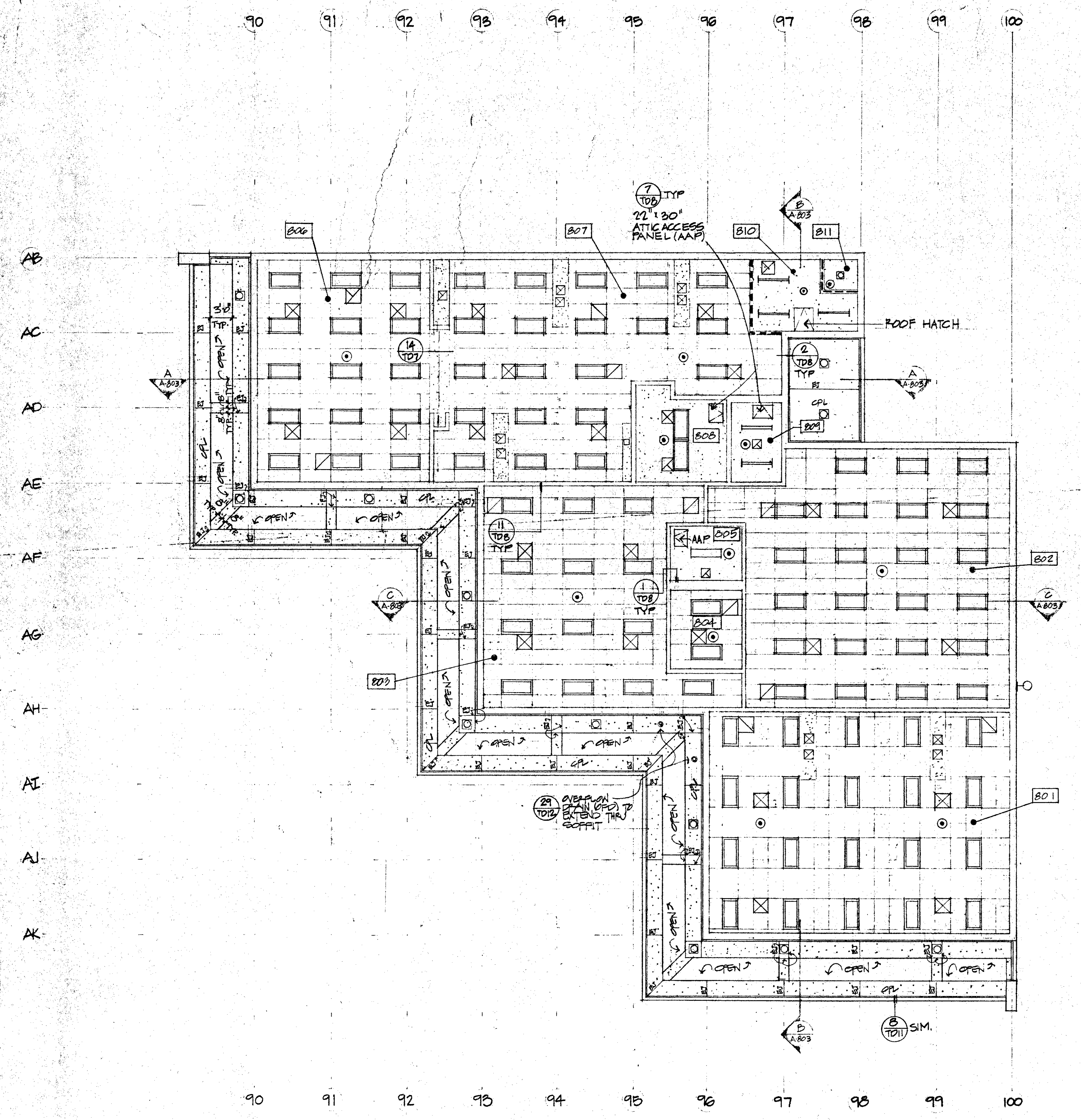
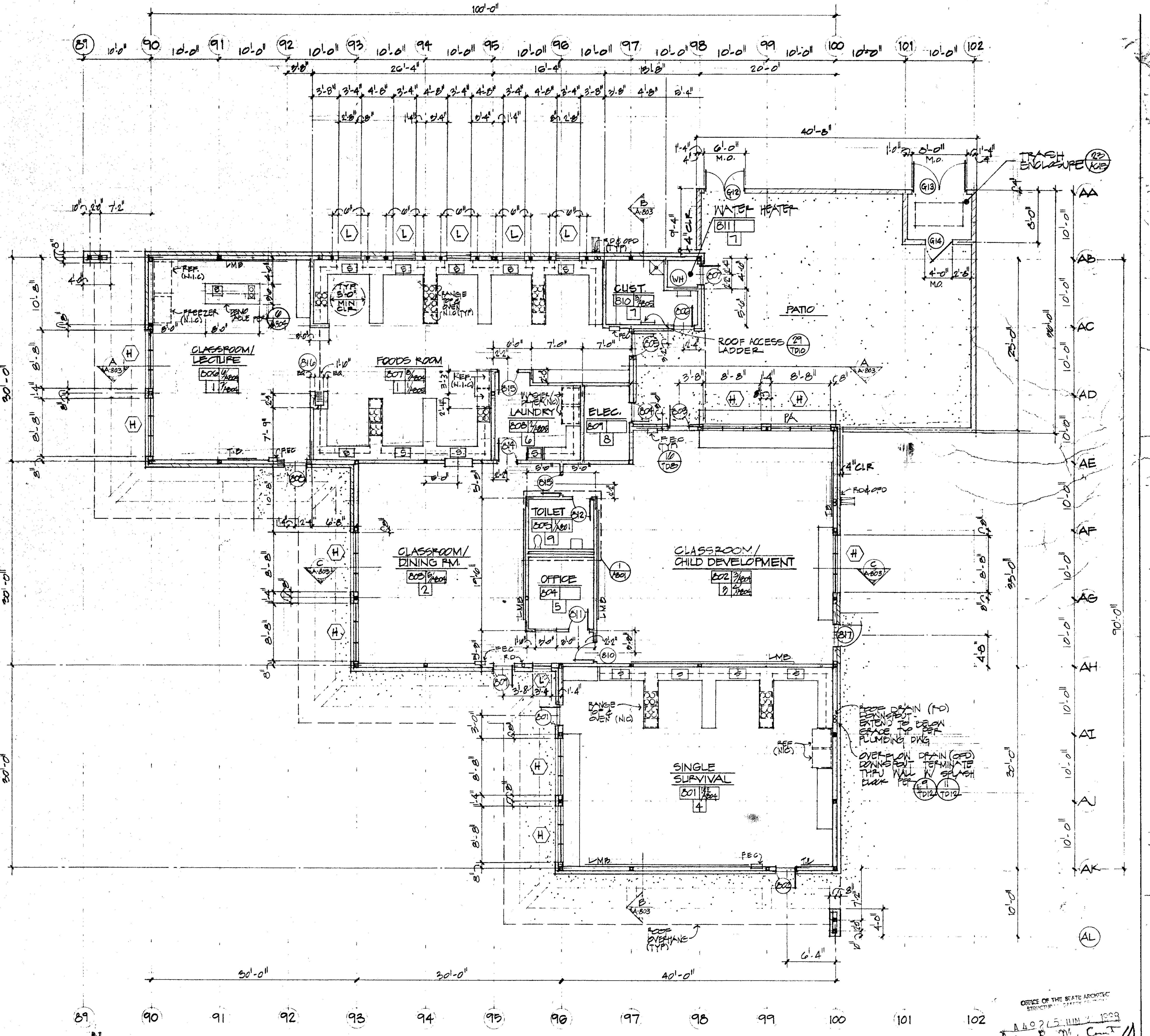

806
807
810
811
7 TD8 TYP
22"x30" ATTIC ACCESS PANEL (AAP)
ROOF HATCH
14 TD12
2 TD8 TYP
CPL
809
808
11 TD8 TYP
AAP
805
802
1 TD8 TYP
804
803
801
29 TD12 OVERFLOW DRAIN (OFD) EXTEND THRU SOFFIT
OPEN
CPL
8 TD11 SIM.
A A-803
B A-803
C A-803
90 91 92 93 94 95 96 97 98 99 100
AB AC AD AE AF AG AH AI AJ AK

HOME ECONOMICS-BLDG. NO. 8 REFLECTED CLG. PLAN

NOTE:

STRIP & SHEATH UNDERSIDE OF STRUCTURAL FRAMING PER (10/TD8) TO COMPLY W/ 1-HR FIRE RATING TYP@ ROOM 811


100'-0"
89 90 91 92 93 94 95 96 97 98 99 100 101 102
TRASH ENCLOSURE
WATER HEATER
811
CUST. 810
PATIO
ROOF ACCESS LADDER
CLASSROOM/LECTURE 806
FOODS ROOM 807
LAUNDRY 808
ELEC. 809
CLASSROOM/DINING RM. 803
TOILET 805
OFFICE 804
CLASSROOM/CHILD DEVELOPMENT 802
SINGLE SURVIVAL 801
ROOF DRAIN (RD) EXTEND TO BELOW GRADE SEE PLUMBING DWG
OVERFLOW DRAIN (OFD) DOWNSPOUT TERMINATE THRU WALL IN SPLASH BLOCK
ROOF OVERHANG (TYP)
30'-0" 30'-0" 40'-0"
AA AB AC AD AE AF AG AH AI AJ AK AL

HOME ECONOMICS - BLDG. NO. 8 FLOOR PLAN

1/8" = 1'-0"

OFFICE OF THE STATE ARCHITECT

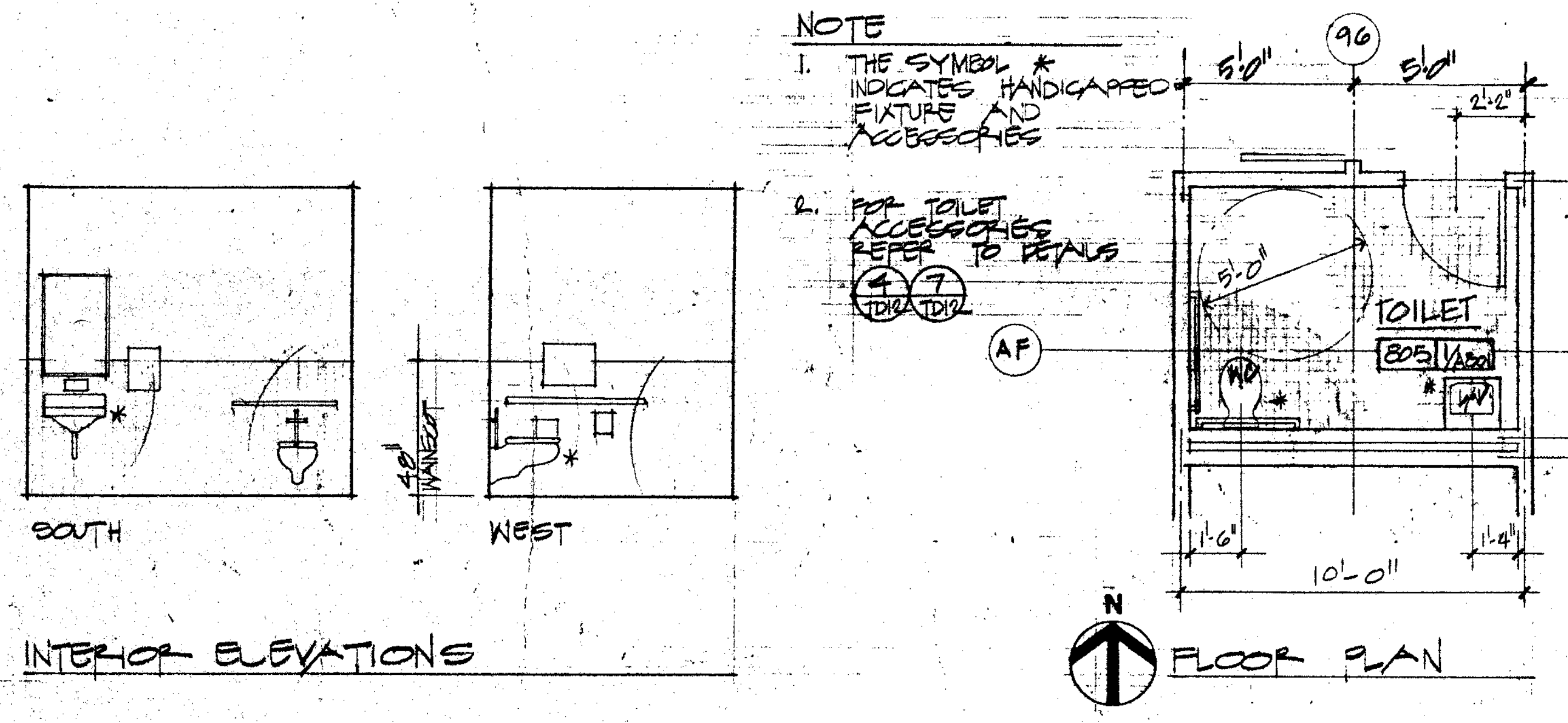
A 49275

REFLECTED CEILING LEGEND

- - - - -	ONE HOUR SEPARATION (14/TD12)	▭	SURFACE MOUNTED STRIP LIGHT
— — —	TWO HOUR SEPARATION (15/TD12)		WALL MOUNTED LIGHT FIXTURE
—·—	FOUR HOUR SEPARATION (8" CONC. BLOCK)	○	PENDANT MOUNTED LIGHT FIXTURE
	GYPSUM BOARD SOFFIT OR CEILING (1/TD8)	⊙	FIRE DETECTION DEVICE
CPL	CEMENT PLASTER SOFFIT OR CEILING (2/TD8)		RADIANT HEATER
	EXPOSED METAL DECKING	☒	SUPPLY DIFFUSER
	ACOUSTICAL CEILING TILE GLUED TO GYPSUM BOARD	⧄	RETURN AIR DIFFUSER
	2X4 SUSPENDED ACOUSTICAL CEILING PANELS (11/TD8)	☒	EXHAUST AIR DIFFUSER
	2X2 SUSPENDED ACOUSTICAL CEILING PANELS (11/TD8)		SOFFIT DIFFUSER
▭	RECESSED LIGHT FIXTURE	SL	SKYLIGHT
▭	SURFACE MOUNTED LIGHT FIXTURE		ROOF HATCH
⊡	RECESSED DOWN LIGHT		EXIT LIGHT
		EJ	EXPANSION JOINT (13B/TD8)
		100	ROOM NUMBER

NOTE

1. THE SYMBOL * INDICATES HANDICAPPED FIXTURE AND ACCESSORIES
2. FOR TOILET ACCESSORIES REFER TO DETAILS (4/TD12) (7/TD12)


96
5'-0"
5'-0"
2'-2"
5'-0"
4'-0"
7'-6"
TOILET
805
AF
WC
1'-6"
10'-0"
1'-6"
SOUTH
WEST
48" MAX.

INTERIOR ELEVATIONS

FLOOR PLAN

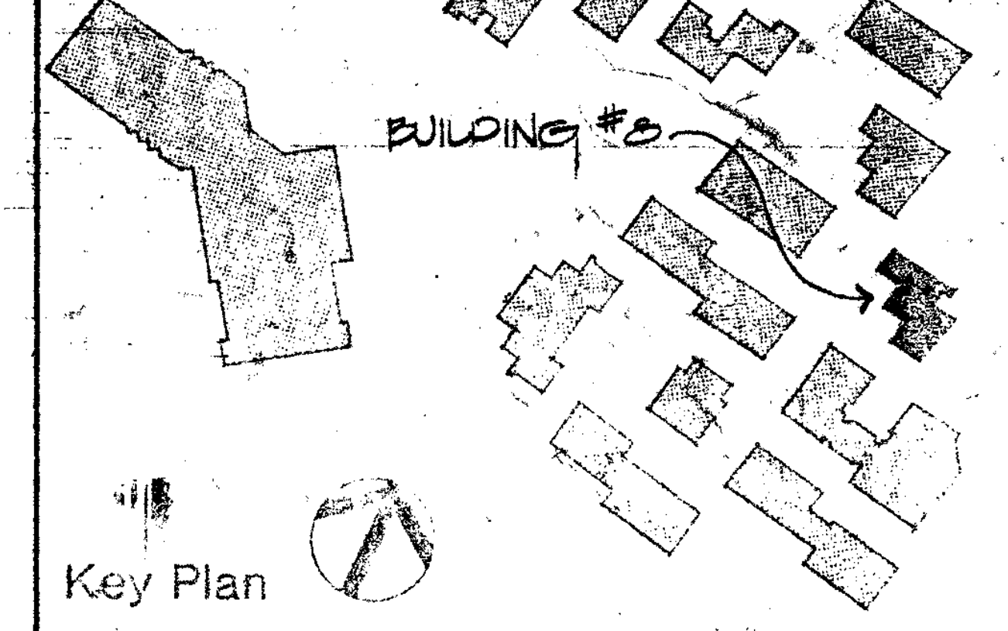
(1/A801) TOILET 805
1/4" = 1'-0"

WALL SCHEDULE BUILDING 8

▨	2x6 WOOD STUDS @ 16" o/c WITH BATT INSULATION AND AN EXTERIOR FACADE OF CONCRETE BLOCK VENEER
	2x6 WOOD STUDS @ 16" o/c EXTEND TO UNDERSIDE OF ROOF SHEATHING PROVIDE BATT INSULATION FOR SOUND CONTROL PER (16/TD12)
	2x6 WOOD STUDS @ 16" o/c EXTEND TO UNDERSIDE OF ROOF SHEATHING PER (14/TD12) - SEE NOTE #1
	2x6 WOOD STUDS @ 16" o/c BRACED ABOVE CEILING PER (15/TD12)
▨	4"x8"x16" CONCRETE MASONRY UNITS.

1. REFER TO REFLECTED CEILING PLANS FOR LOCATION & DETAIL REFERENCES OF FIRE RATED WALLS AND AREA SEPERATION WALLS

STATE FIRE MARSHAL



Key Plan

Drawn By
Checked By
Date MAR 1988
Commission No. 13002

Revisions
△ 6/29/88 PHASING

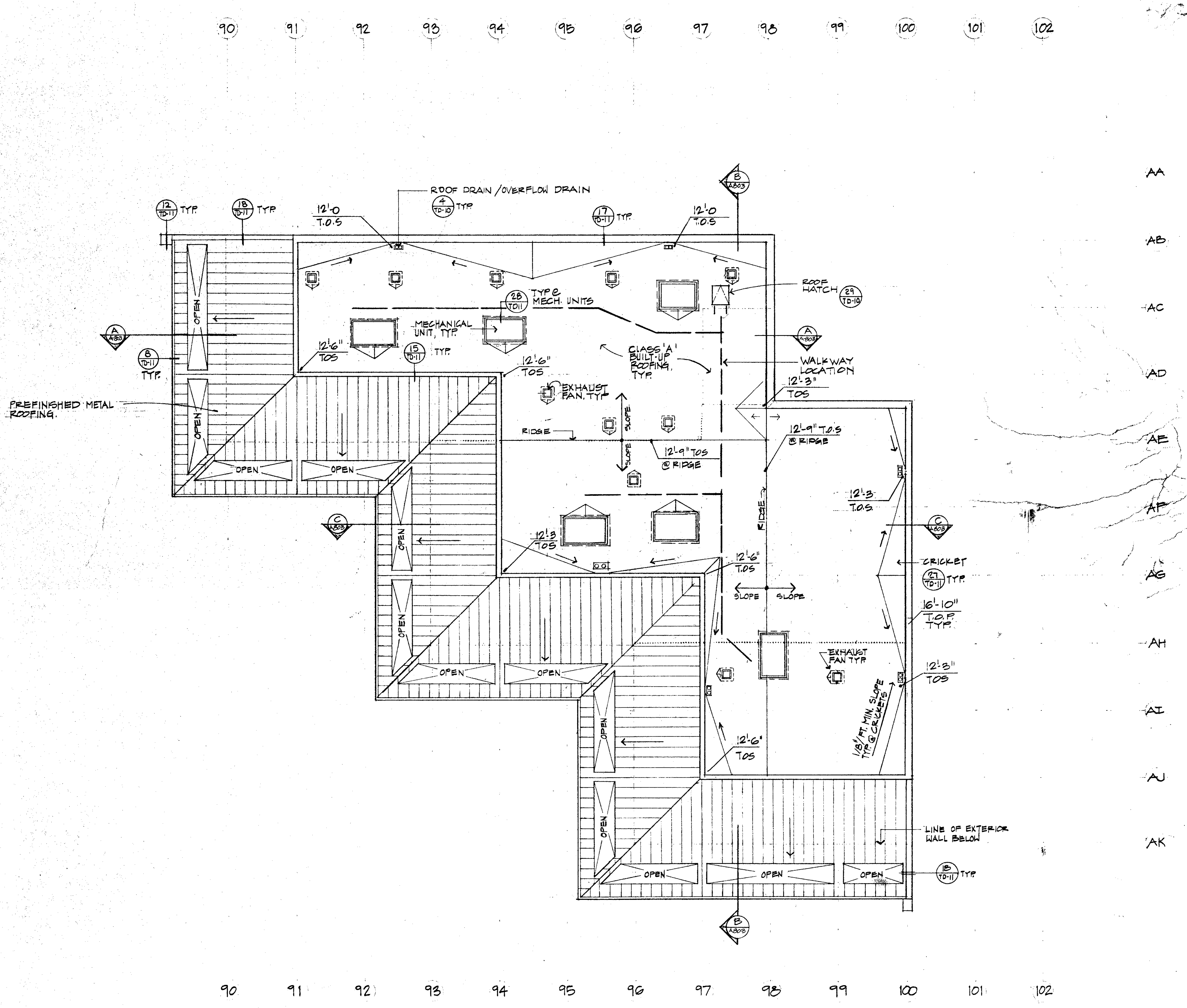
Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
3775 Tenth Street, Riverside, CA 92501-3569, 714/684-4664
5751 Palmer Way, Suite C, Carlsbad, CA 92008-1995, 619/438-5899

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Home Economics – Bldg. No.8
Floor Plan/Reflected Clg. Plan

Sheet Number
A-801
Of Sheets


90
91
92
93
94
95
96
97
98
99
100
101
102
AA
AB
AC
AD
AE
AF
AG
AH
AI
AJ
AK
12 TD-11 TYP.
18 TD-11 TYP.
12'-0 T.O.S
ROOF DRAIN /OVERFLOW DRAIN
4 TD-10 TYP.
17 TD-11 TYP.
12'-0 T.O.S
B A-803
ROOF HATCH 29 TD-10
28 TD11 TYP@ MECH. UNITS
MECHANICAL UNIT, TYP.
A A-803
8 TD-11 TYP.
12'-6" TOS
15 TD-11 TYP.
12'-6" TOS
CLASS 'A' BUILT-UP ROOFING, TYP.
WALKWAY LOCATION
A A-803
12'-3" TOS
PREFINISHED METAL ROOFING.
EXHAUST FAN, TYP.
RIDGE
SLOPE
SLOPE
12'-9" TOS @ RIDGE
12'-9" T.O.S @ RIDGE
OPEN
RIDGE
12'-3 T.O.S.
C A-803
12'-3 TOS
12'-6" T.OS
SLOPE
SLOPE
CRICKET
27 TD-11 TYP.
16'-10" T.O.P. TYP.
EXHAUST FAN TYP.
12'-3" TOS
1/8"/FT. MIN. SLOPE TYP. @ CRICKETS
12'-6" TOS
LINE OF EXTERIOR WALL BELOW
18 TD-11 TYP.
B A-803

N

HOME ECONOMICS - BLDG. NO. 8

ROOF PLAN

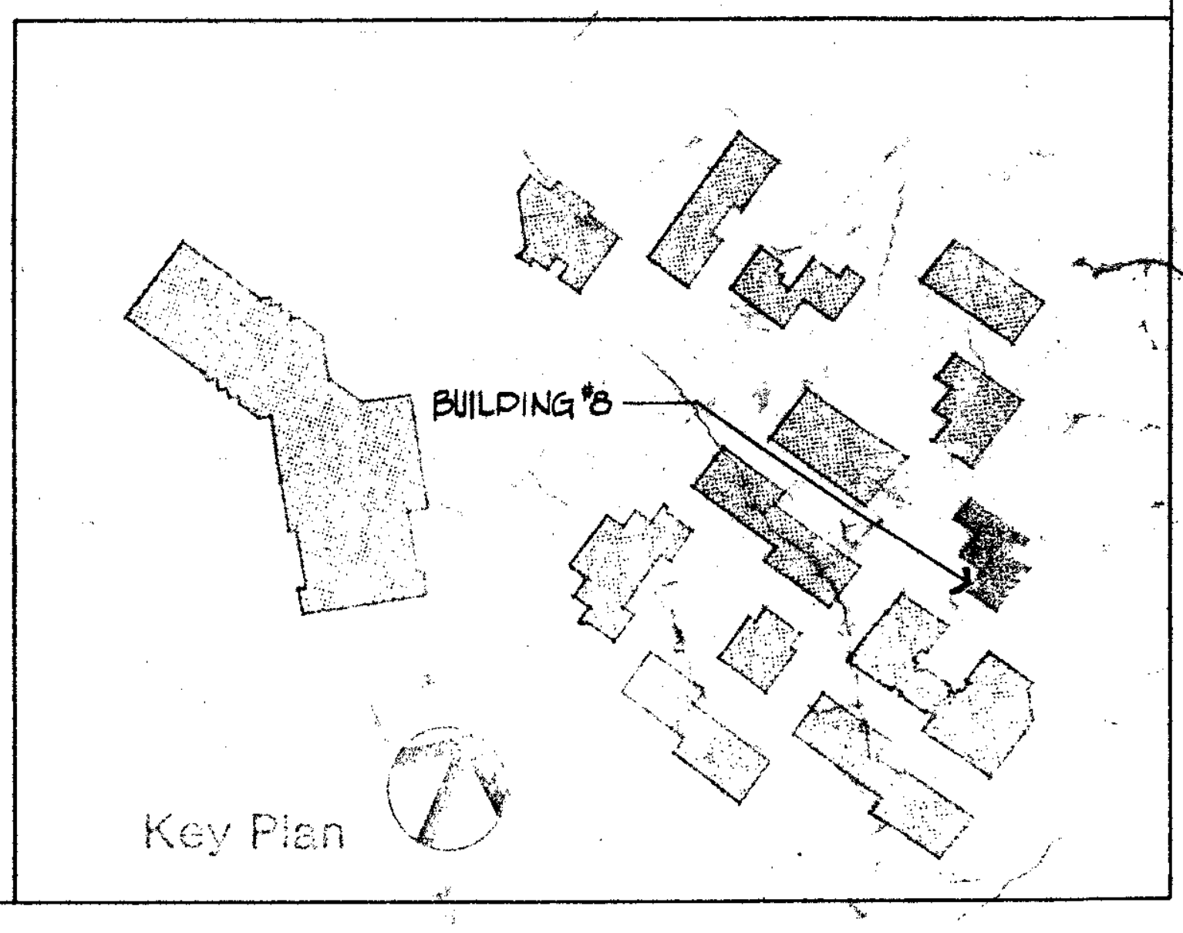
1/8" = 1'-0"

NOTE: PROVIDE DRAFT STOPS WHERE INDICATED THUS .... COMPLY WITH THE REQUIREMENTS OF THE UBC

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY
A 49275 JUN - 1988

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE
49275 MAY 4 '88

APPROVED
FIRE AND PANIC ONLY



Key Plan

Drawn By
Checked By
Date MAR 1988
Commission No. 1-30-02

Revisions
△ 6/29/88 PHASING

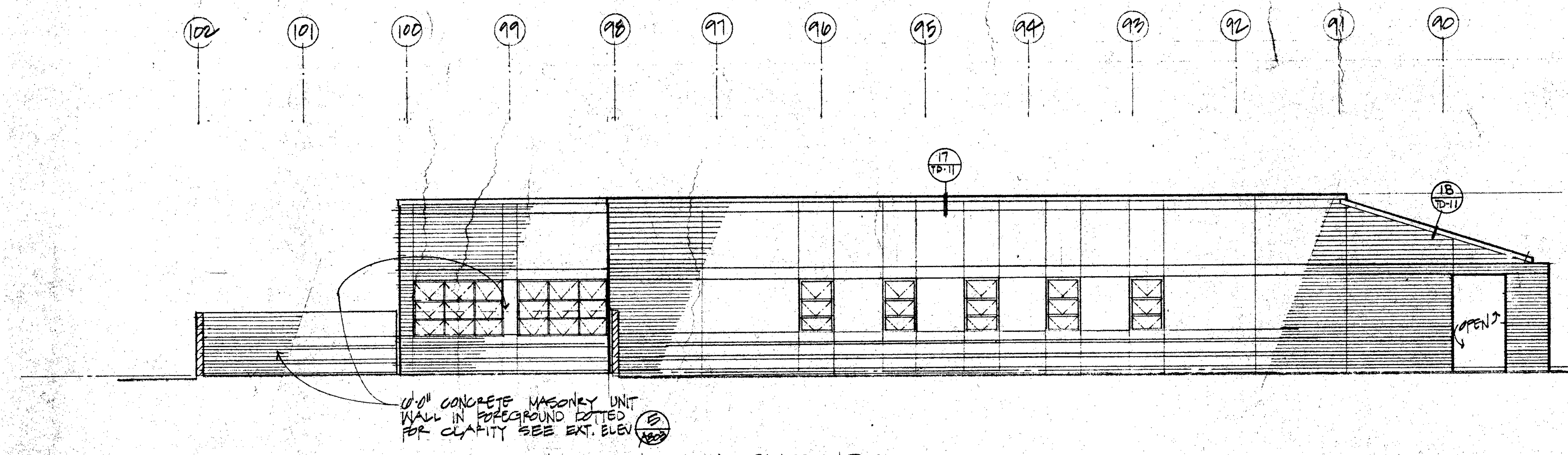
Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664
5751 Palmer Way, Suite C
Carlsbad, CA 92008-1995
619/438-5899

ARCHITECT
C-6497

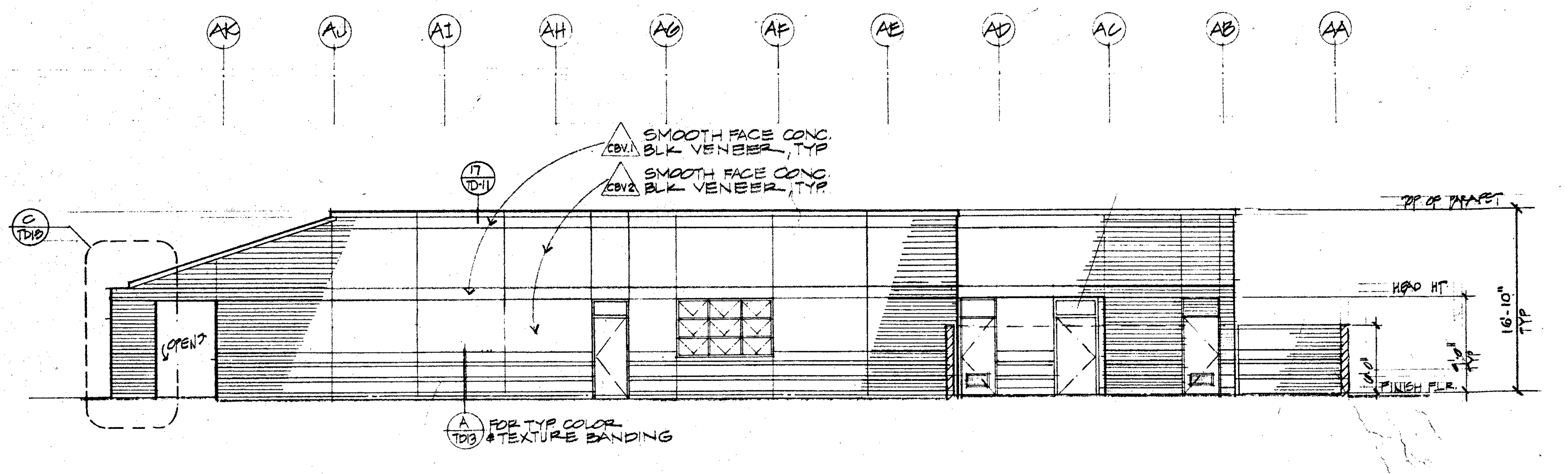
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Home Economics - Bldg. 8
Roof Plan

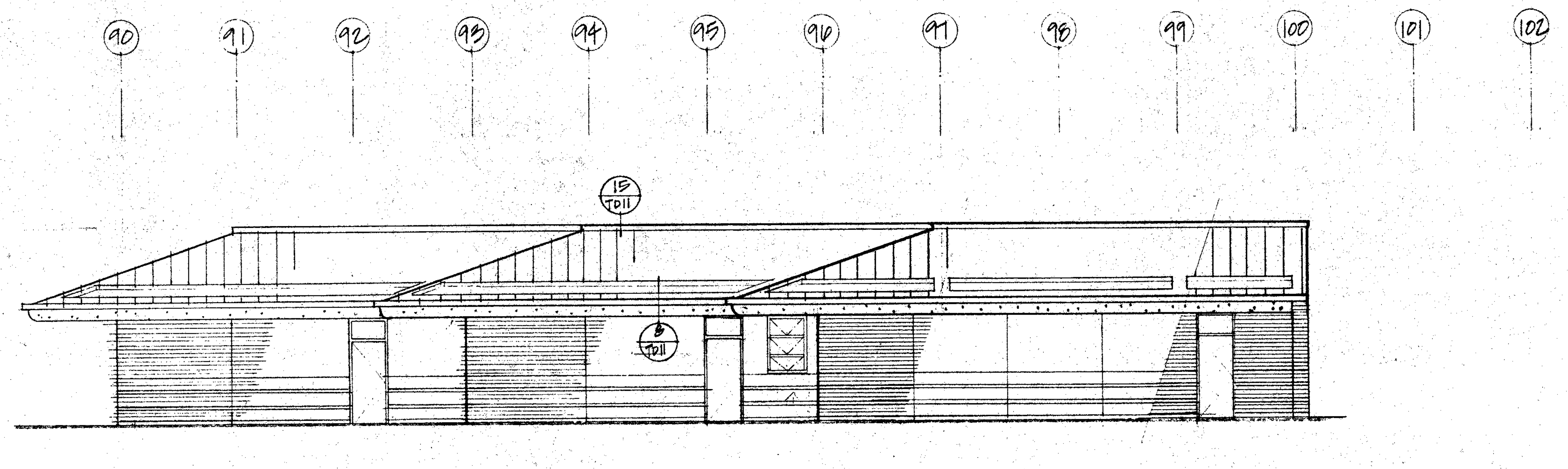
Sheet Number
A-802
Of Sheets


102
101
100
99
98
97
96
95
94
93
92
91
90
17 TD-11
18 TD-11
OPEN?
6'-0" CONCRETE MASONRY UNIT WALL IN FOREGROUND DOTTED FOR CLARITY SEE EXT. ELEV 5 A803

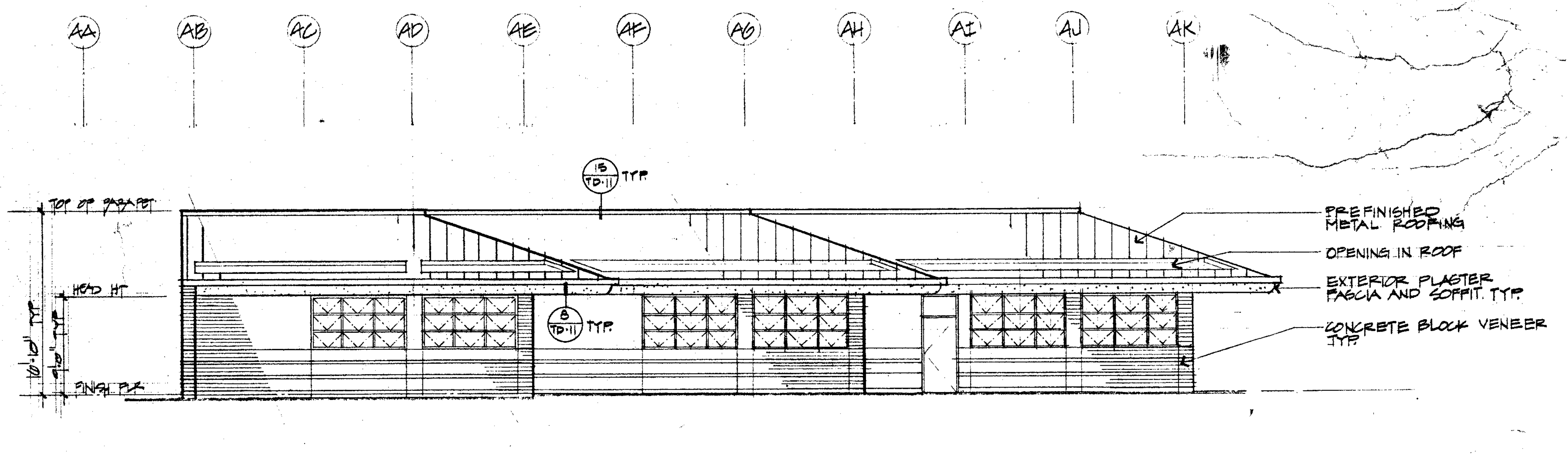
① A803 NORTH ELEVATION - HOME ECONOMICS - BLDG. NO. 8
1/8" = 1'-0"


AK
AJ
AI
AH
AG
AF
AE
AD
AC
AB
AA
C TD-8
17 TD-11
CBV1 SMOOTH FACE CONC. BLK. VENEER, TYP
CBV2 SMOOTH FACE CONC. BLK. VENEER, TYP
TOP OF PARAPET
HEAD HT
16'-10" TYP
9'-0"
FINISH FLR
OPEN?
A TD-3 FOR TYP COLOR & TEXTURE BANDING

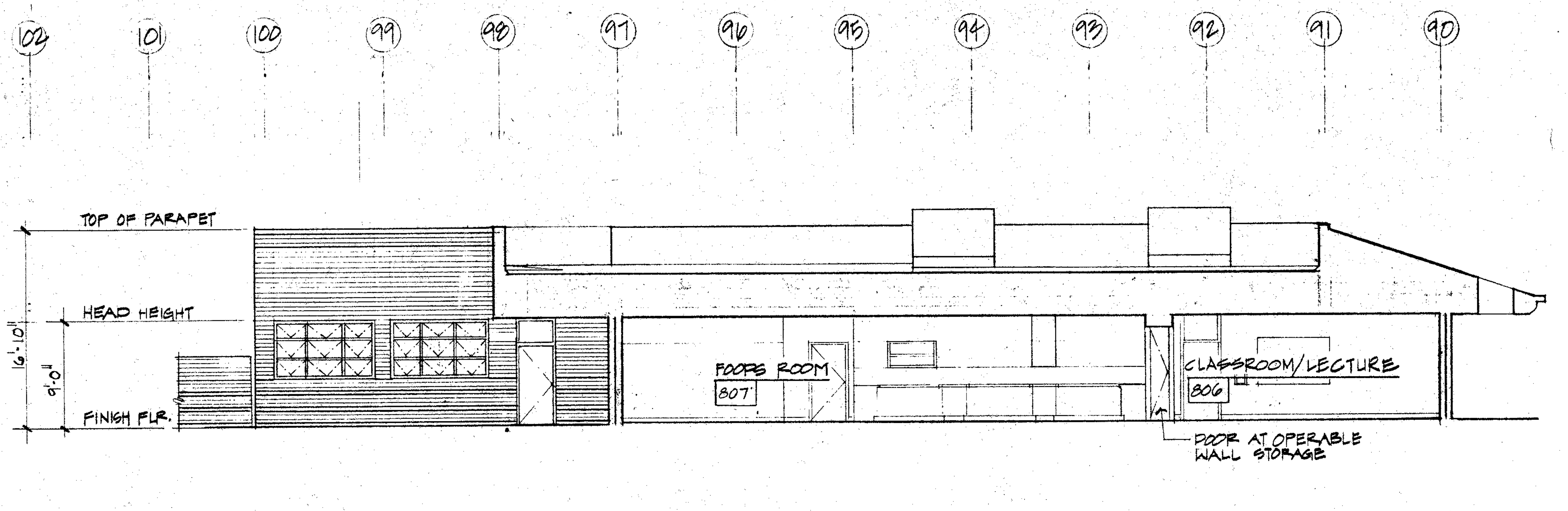
② A803 EAST ELEVATION - BLDG. NO. 8
1/8" = 1'-0"


90
91
92
93
94
95
96
97
98
99
100
101
102
15 TD-11
8 TD-11

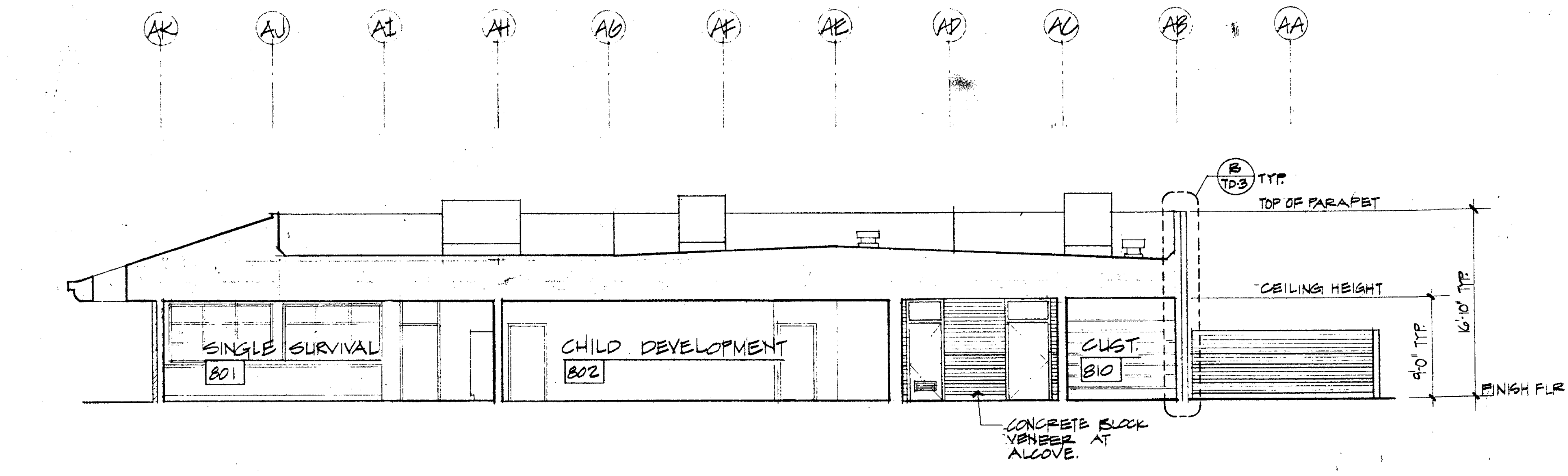
③ A803 SOUTH ELEVATION - BLDG. NO. 8
1/8" = 1'-0"


AA
AB
AC
AD
AE
AF
AG
AH
AI
AJ
AK
15 TD-11 TYP
TOP OF PARAPET
HEAD HT
FINISH FLR
16'-10" TYP
9'-0" TYP
8 TD-11 TYP
PREFINISHED METAL ROOFING
OPENING IN ROOF
EXTERIOR PLASTER FASCIA AND SOFFIT TYP
CONCRETE BLOCK VENEER TYP

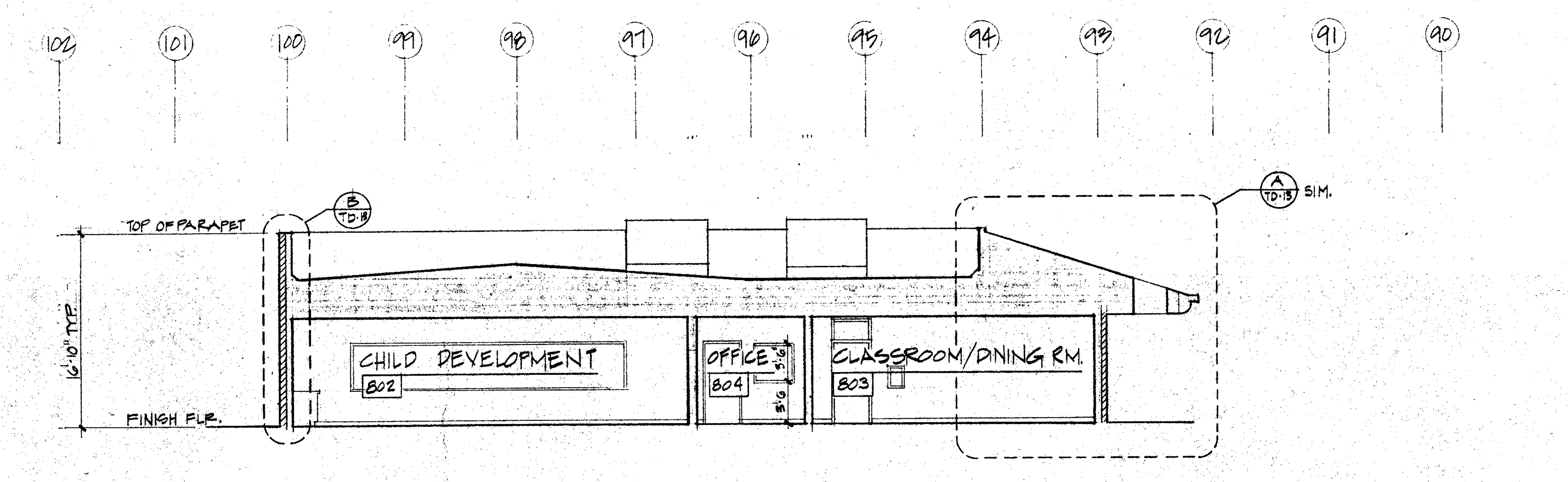
④ A803 WEST ELEVATION - BLDG. NO. 8
1/8" = 1'-0"


102
101
100
99
98
97
96
95
94
93
92
91
90
TOP OF PARAPET
HEAD HEIGHT
FINISH FLR.
16'-10"
9'-0"
FOODS ROOM 807
CLASSROOM/LECTURE 806
DOOR AT OPERABLE WALL STORAGE

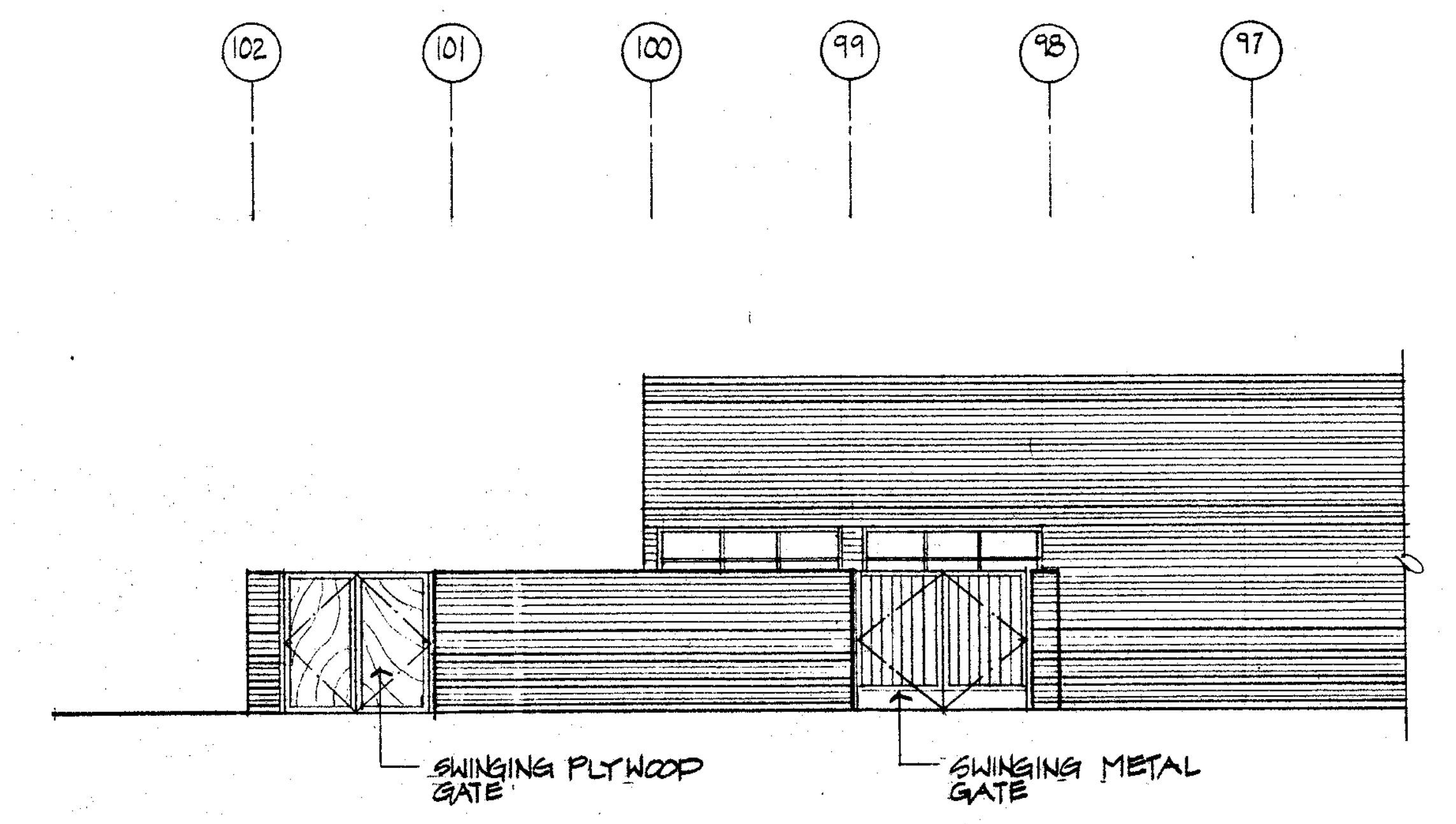
Ⓐ A803 SECTION - BLDG. NO. 8
1/8" = 1'-0"


AK
AJ
AI
AH
AG
AF
AE
AD
AC
AB
AA
B TD-3 TYP
TOP OF PARAPET
CEILING HEIGHT
16'-10" TYP
9'-0" TYP
FINISH FLR
SINGLE SURVIVAL 801
CHILD DEVELOPMENT 802
CUST. 810
CONCRETE BLOCK VENEER AT ALCOVE.

Ⓑ A803 SECTION - BLDG. NO. 8
1/8" = 1'-0"


102
101
100
99
98
97
96
95
94
93
92
91
90
B TD-3
A TD-3 SIM.
TOP OF PARAPET
16'-10" TYP.
FINISH FLR.
CHILD DEVELOPMENT 802
OFFICE 804
CLASSROOM/DINING RM. 803

Ⓒ A803 SECTION - BLDG. NO. 8
1/8" = 1'-0"


102
101
100
99
98
97
SWINGING PLYWOOD GATE
SWINGING METAL GATE

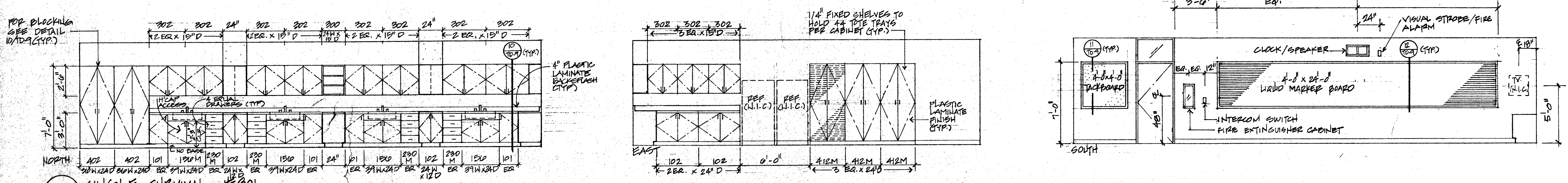
⑤ A803 PARTIAL NORTH ELEVATION - BLDG. #8

OFFICE OF THE STATE ARCHITECT
49275 MAY 1988
W

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY
A 49275 JUN 1988
P. McCarty

APPROVED
FIRE AND PANIC ONLY
JUN 20 1988
BJ
STATE FIRE MARSHAL
SOUTHERN REGION

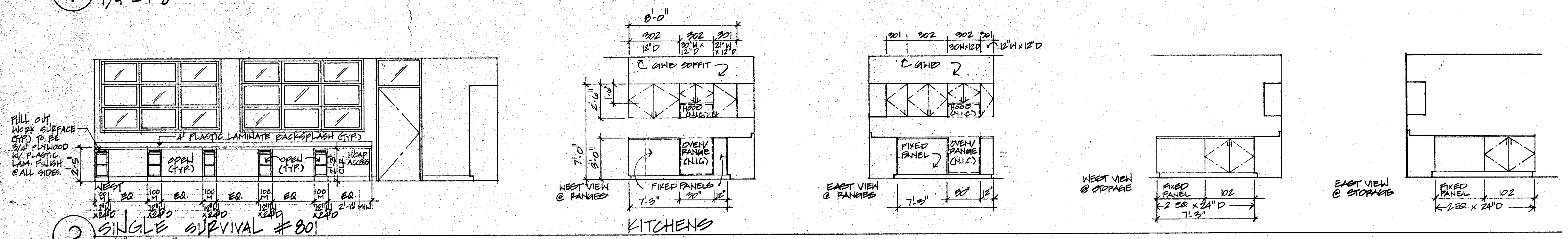
Drawn By Checked By Date MAR 1988 Commission No 1-30-02	Revisions △ 6/29/88 PHASING	Architects Planners RUHNAU McGAVIN RUHNAU/ASSOCIATES 3775 Tenth Street Riverside, CA 92501-3669 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-1995 619/438-5899	ARCHITECT C-6497	West Hills High School Grossmont Union High School District San Diego, Ca San Diego County	Home Economics – Bldg. No. 8 Exterior Elevations & Sections	Sheet Number A-803 Of Sheets


FOR BLOCKING SEE DETAIL 10/TD-9 (TYP.)
2 EQ. x 15"D
4" PLASTIC LAMINATE BACKSPLASH (TYP.)
H'CAP ACCESS
4 SERIAL DRAWERS (TYP)
NO BASE
NORTH
1/4" FIXED SHELVES TO HOLD 44 TOTE TRAYS PER CABINET (TYP.)
3 EQ. x 15"D
REF (N.I.C.)
PLASTIC LAMINATE FINISH (TYP.)
EAST
2 EQ. x 24"D
3 EQ. x 24"D
VISUAL STROBE/FIRE ALARM
CLOCK/SPEAKER
4'-0" x 4'-0" TACKBOARD
4'-0" x 24'-0" LIQUID MARKER BOARD
TV (N.I.C.)
INTERCOM SWITCH
FIRE EXTINGUISHER CABINET
SOUTH

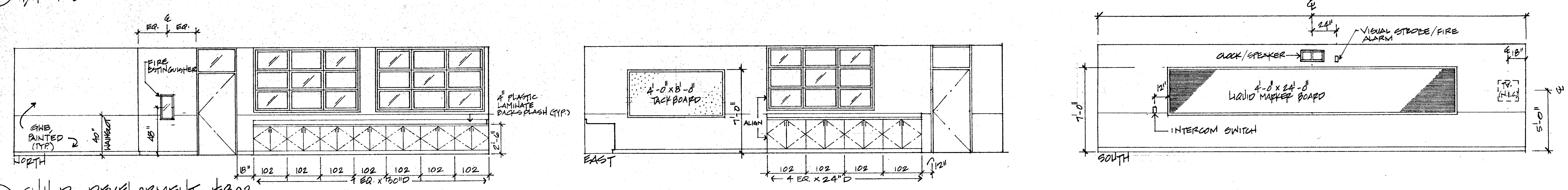
① SINGLE SURVIVAL #801
1/4" = 1'-0"

GENERAL NOTES:

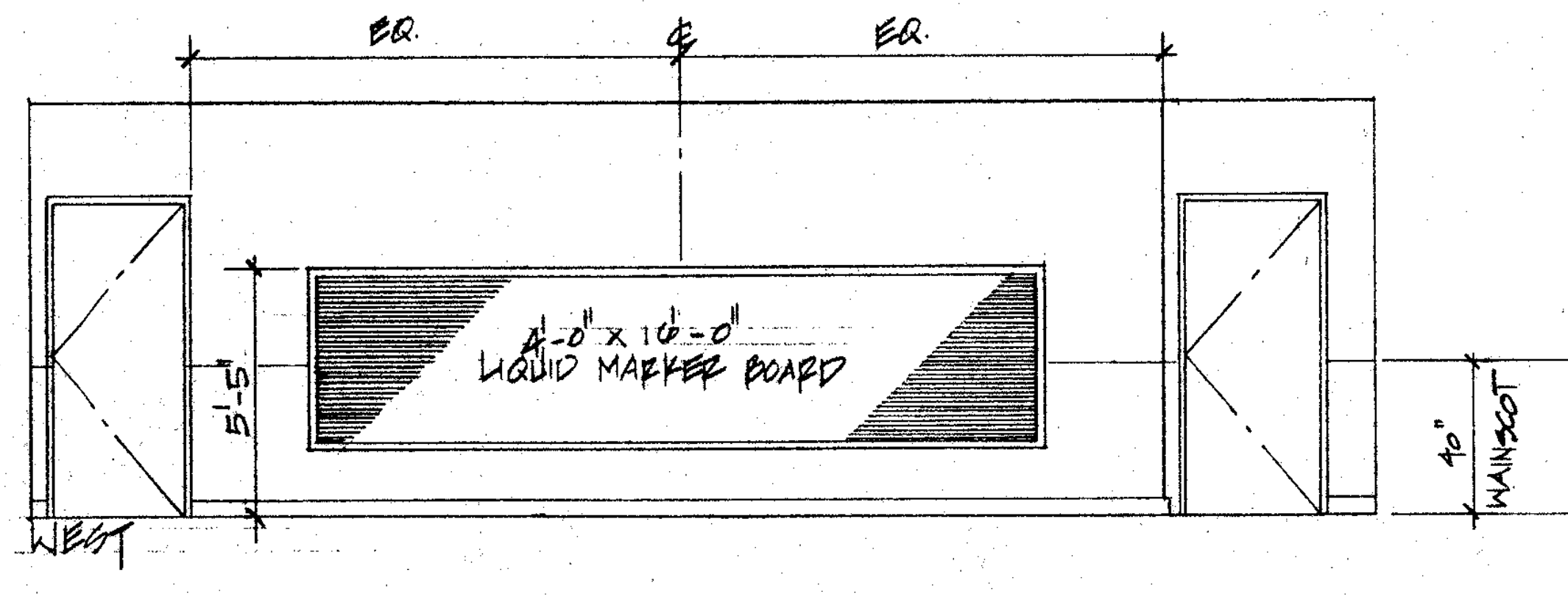
1. NUMBER ABOVE DIMENSION LINE REFERS TO W.I.C. MODEL NO. U.N.O.
2. "M" SUFFIX REFERS TO MODIFICATION IN STD. DESIGN.
3. FOR TYPICAL MOUNTING OF CABINETS, REFER TO DETAIL 10/TD-9,
4. FOR FINISH SPECS, REFER TO CASEWORK FINISH SCHEDULE, SHEET TD-6


PULL OUT WORK SURFACE (TYP) TO BE 3/4" PLYWOOD W/ PLASTIC LAM. FINISH 6 ALL SIDES.
4" PLASTIC LAMINATE BACKSPLASH (TYP)
OPEN (TYP)
H'CAP ACCESS
WEST
GWB SOFFIT
HOOD (N.I.C.)
OVEN/RANGE (N.I.C.)
FIXED PANELS
WEST VIEW @ RANGES
EAST VIEW @ RANGES
FIXED PANEL
WEST VIEW @ STORAGE
EAST VIEW @ STORAGE
2 EQ. x 24"D
KITCHENS

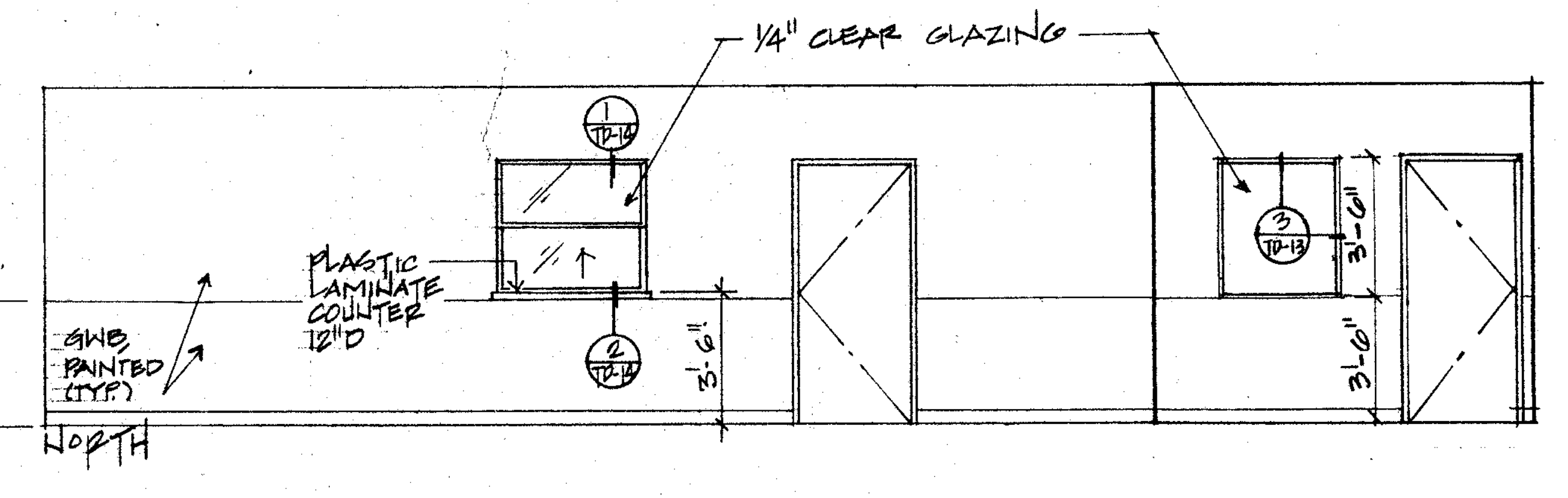
② SINGLE SURVIVAL #801
1/4" = 1'-0"


FIRE EXTINGUISHER
GWB, PAINTED (TYP)
WAINSCOT
4" PLASTIC LAMINATE BACKSPLASH (TYP)
NORTH
4 EQ. x 30"D
4'-0" x 8'-0" TACKBOARD
ALIGN
EAST
4 EQ. x 24"D
CLOCK/SPEAKER
VISUAL STROBE/FIRE ALARM
4'-0" x 24'-0" LIQUID MARKER BOARD
INTERCOM SWITCH
T.V. (N.I.C.)
SOUTH

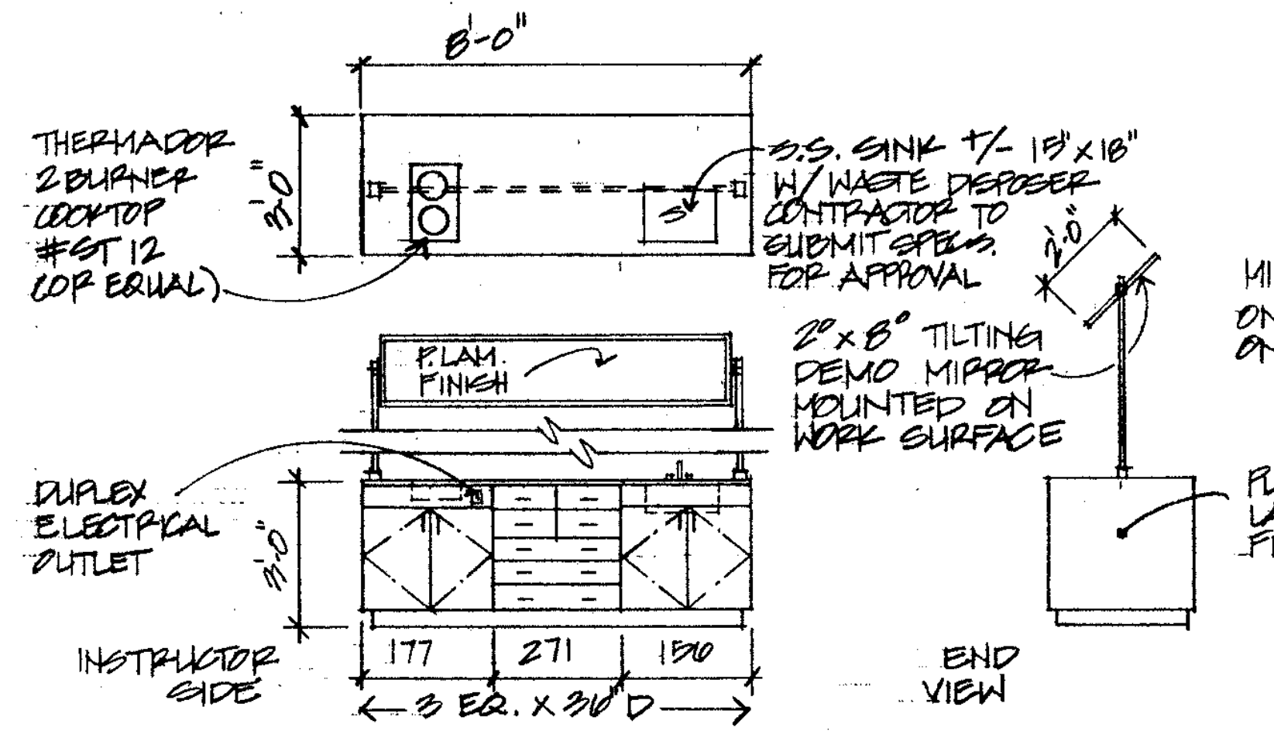
③ CHILD DEVELOPMENT #802
1/4" = 1'-0"


EQ.
4'-0" x 10'-0" LIQUID MARKER BOARD
WAINSCOT
WEST

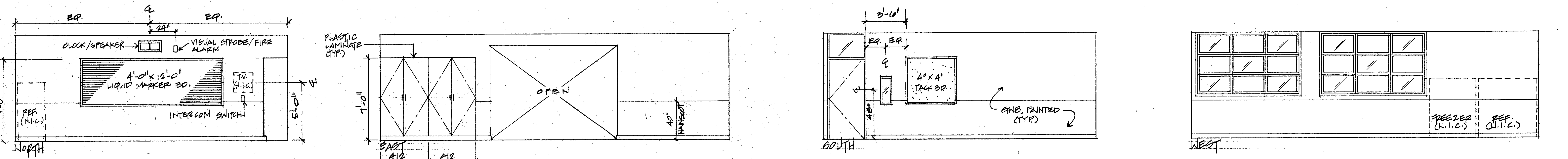
④ CHILD DEVELOPMENT #802
1/4" = 1'-0"


1/4" CLEAR GLAZING
PLASTIC LAMINATE COUNTER 12"D
GWB, PAINTED (TYP)
NORTH

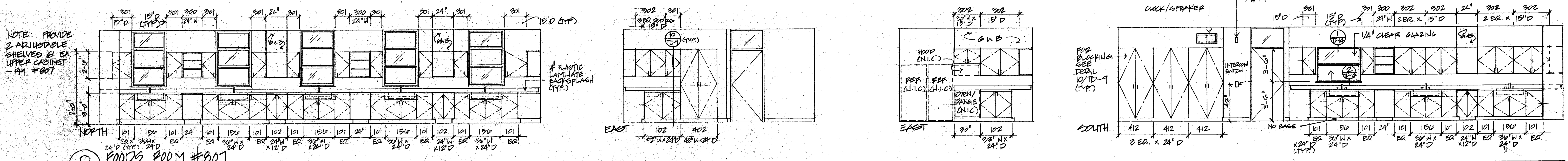
⑤ CLASSROOM/DINING ROOM #803
1/4" = 1'-0"


THERMADOR 2 BURNER COOKTOP #CT 12 (OR EQUAL)
S.S. SINK W/ 15" x 18" W/ WASTE DISPOSER CONTRACTOR TO SUBMIT SPECS. FOR APPROVAL
PLAM FINISH
2" x 8" TILTING DEMO MIRROR MOUNTED ON WORK SURFACE
MIRROR @ ONE SIDE ONLY
DUPLEX ELECTRICAL OUTLET
PLASTIC LAMINATE FINISH
3 EQ. x 30"D
INSTRUCTOR SIDE
END VIEW
CLASS VIEW

⑥ H.E. DEMO TABLE @ RM #806
1/4" = 1'-0"


CLOCK/SPEAKER
VISUAL STROBE/FIRE ALARM
4'-0" x 12'-0" LIQUID MARKER BD.
T.V. (N.I.C.)
REF. (N.I.C.)
INTERCOM SWITCH
NORTH
PLASTIC LAMINATE (TYP)
OPEN
WAINSCOT
EAST
48"W x 24"D
4' x 4' TACK BD.
GWB, PAINTED (TYP)
SOUTH
FREEZER (N.I.C.)
REF. (N.I.C.)
WEST

⑦ CLASSROOM/LECTURE #806
1/4" = 1'-0"


NOTE: PROVIDE 2 ADJUSTABLE SHELVES @ EA UPPER CABINET - RM. #807
4" PLASTIC LAMINATE BACKSPLASH (TYP)
NORTH
EAST
HOOD (N.I.C.)
REF. (N.I.C.)
OVEN/RANGE (N.I.C.)
GWB
CLOCK/SPEAKER
VISUAL STROBE/FIRE ALARM
FOR BLOCKING SEE DETAIL 10/TD-9 (TYP)
INTERCOM SWITCH
1/4" CLEAR GLAZING
NO BASE
SOUTH
3 EQ. x 24"D

⑧ FOODS ROOM #807
1/4" = 1'-0"

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88
APPLICATION NO.

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPROVED P. M. Court
APPLICATION NO.
PRINCIPAL STRUCTURAL ENGINEER

APPROVED
FIRE AND PANIC ONLY
JUN 20 1988
BJ
STATE FIRE MARSHAL
SOUTHERN REGION

Drawn By	
Checked By	
Date	MARCH 1988
Commission No.	1.30.02

Revisions
⚠ 6/29/88 PHASING

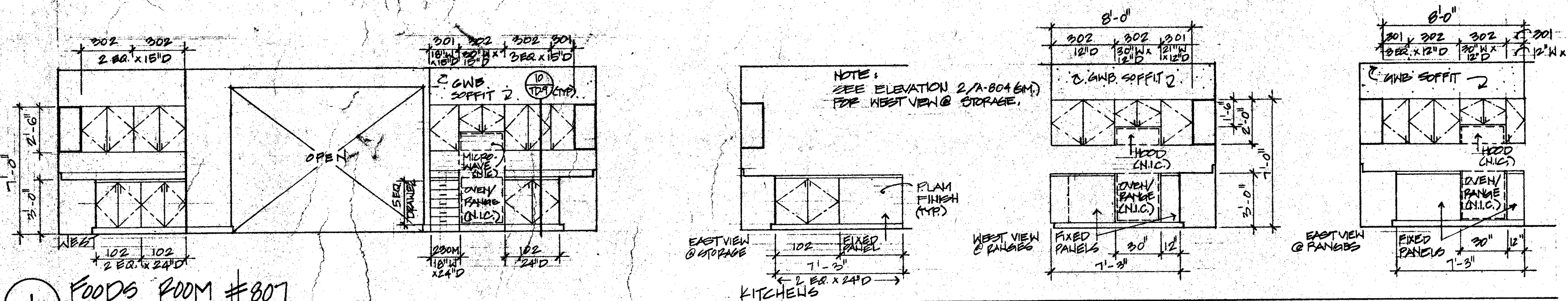
Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664
5751 Palmer Way, Suite C
Carlsbad, CA 92009-1995
619/438-5899

ARCHITECT
C-6497

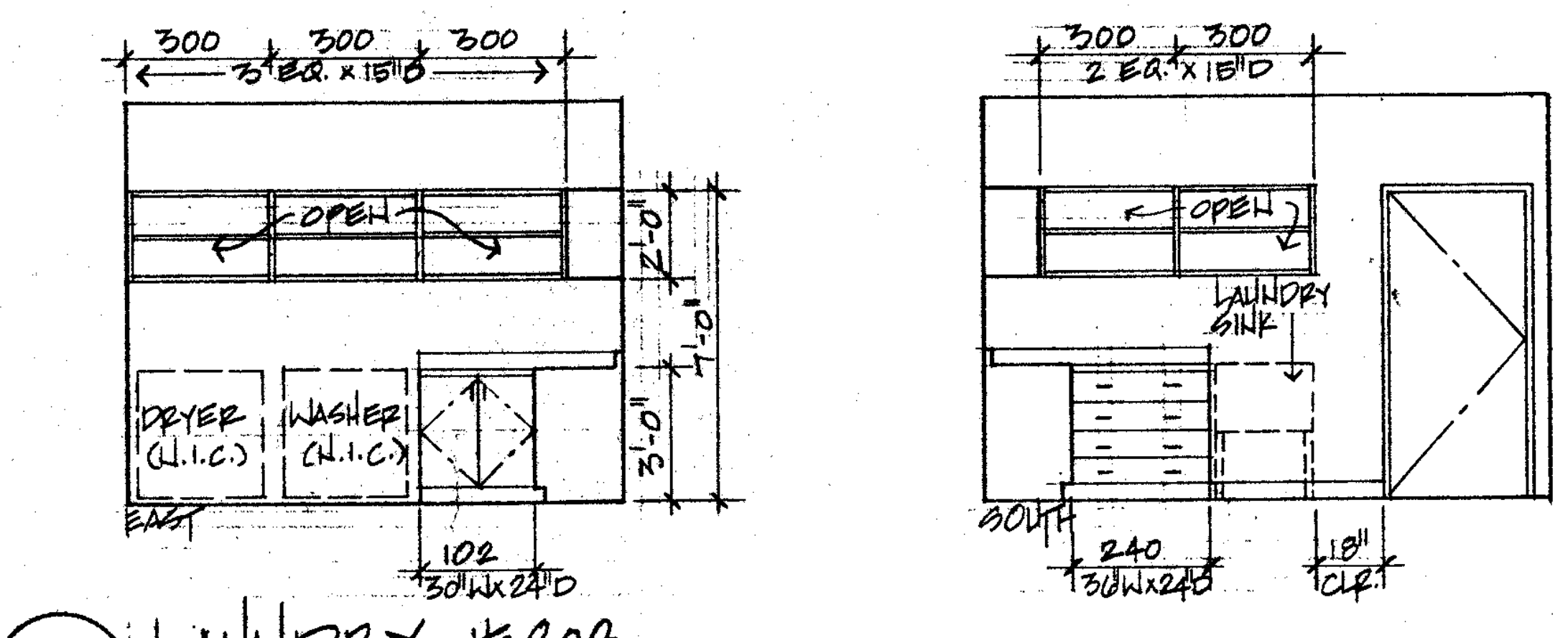
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Home Economics
Bldg. No. 8
Interior Elevations

Sheet Number
A-804
Of Sheets


302
302
2 EQ. x 15"D
7'-0"
2'-6"
3'-0"
WEST
102
102
2 EQ. x 24"D
OPEN
5 EQ. DRAWER
301
302
302
301
18"W x 15"D
30"W x 15"D
3 EQ. x 15"D
GWB SOFFIT
10/TD-9 (TYP)
MICRO-WAVE (N.I.C.)
OVEN/RANGE (N.I.C.)
230M
18"W x 24"D
102
24"D
NOTE: SEE ELEVATION 2/A-804 (6M) FOR WEST VIEW @ STORAGE.
P.LAM FINISH (TYP)
EAST VIEW @ STORAGE
102
FIXED PANEL
7'-3"
2 EQ. x 24"D
KITCHENS
8'-0"
302
302
301
12"D
30"W x 12"D
21"W x 12"D
GWB SOFFIT
1'-6"
2'-0"
7'-0"
3'-0"
HOOD (N.I.C.)
OVEN/RANGE (N.I.C.)
WEST VIEW @ RANGES
FIXED PANELS
30"
12"
7'-3"
8'-0"
301
302
302
301
3 EQ. x 12"D
30"W x 12"D
12"W x 12"D
GWB SOFFIT
HOOD (N.I.C.)
OVEN/RANGE (N.I.C.)
EAST VIEW @ RANGES
FIXED PANELS
30"
12"
7'-3"

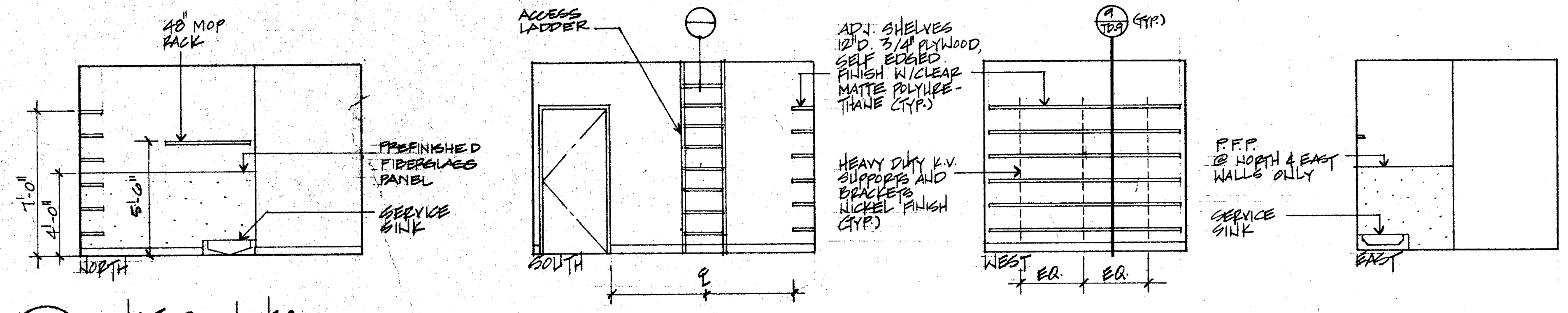
1 FOODS ROOM #807
1/4"=1'-0"


300
300
300
3 EQ. x 15"D
OPEN
2'-0"
7'-0"
3'-0"
DRYER (N.I.C.)
WASHER (N.I.C.)
EAST
102
30"W x 24"D
300
300
2 EQ. x 15"D
OPEN
LAUNDRY SINK
SOUTH
240
30"W x 24"D
18" CLR.

2 LAUNDRY #808
1/4"=1'-0"

GENERAL NOTES:

1. NUMBER ABOVE DIMENSION LINE REFERS TO W.I.C. MODEL NO. U.N.O.
2. "M" SUFFIX REFERS TO MODIFICATION IN STD. DESIGN.
3. FOR TYPICAL MOUNTING OF CABINETS, REFER TO DETAIL 10/TD-9.
4. FOR FINISH SPECS, REFER TO CASEWORK FINISH SCHEDULE, SHEET TD-6


48" MOP RACK
7'-0"
4'-0"
5'-6"
PREFINISHED FIBERGLASS PANEL
SERVICE SINK
NORTH
ACCESS LADDER
SOUTH
℄
ADJ. SHELVES 12"D. 3/4" PLYWOOD, SELF EDGED FINISH W/CLEAR MATTE POLYURETHANE (TYP.)
HEAVY DUTY K.V. SUPPORTS AND BRACKETS NICKEL FINISH (TYP.)
9/TD-9 (TYP.)
WEST
EQ.
EQ.
P.F.P. @ NORTH & EAST WALLS ONLY
SERVICE SINK
EAST

3 CUSTODIAN #810
1/4"=1'-0"

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 2? 1988
PRINCIPAL STRUCTURAL ENGINEER

APPROVED
FIRE AND PANIC ONLY
JUN 20 1988
BF
STATE FIRE MARSHAL
SOUTHERN REGION

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88

Drawn By
Checked By
Date MARCH 1988
Commission No. 1.30.02

Revisions
A 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES

3775 Tenth Street
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714/684-4664

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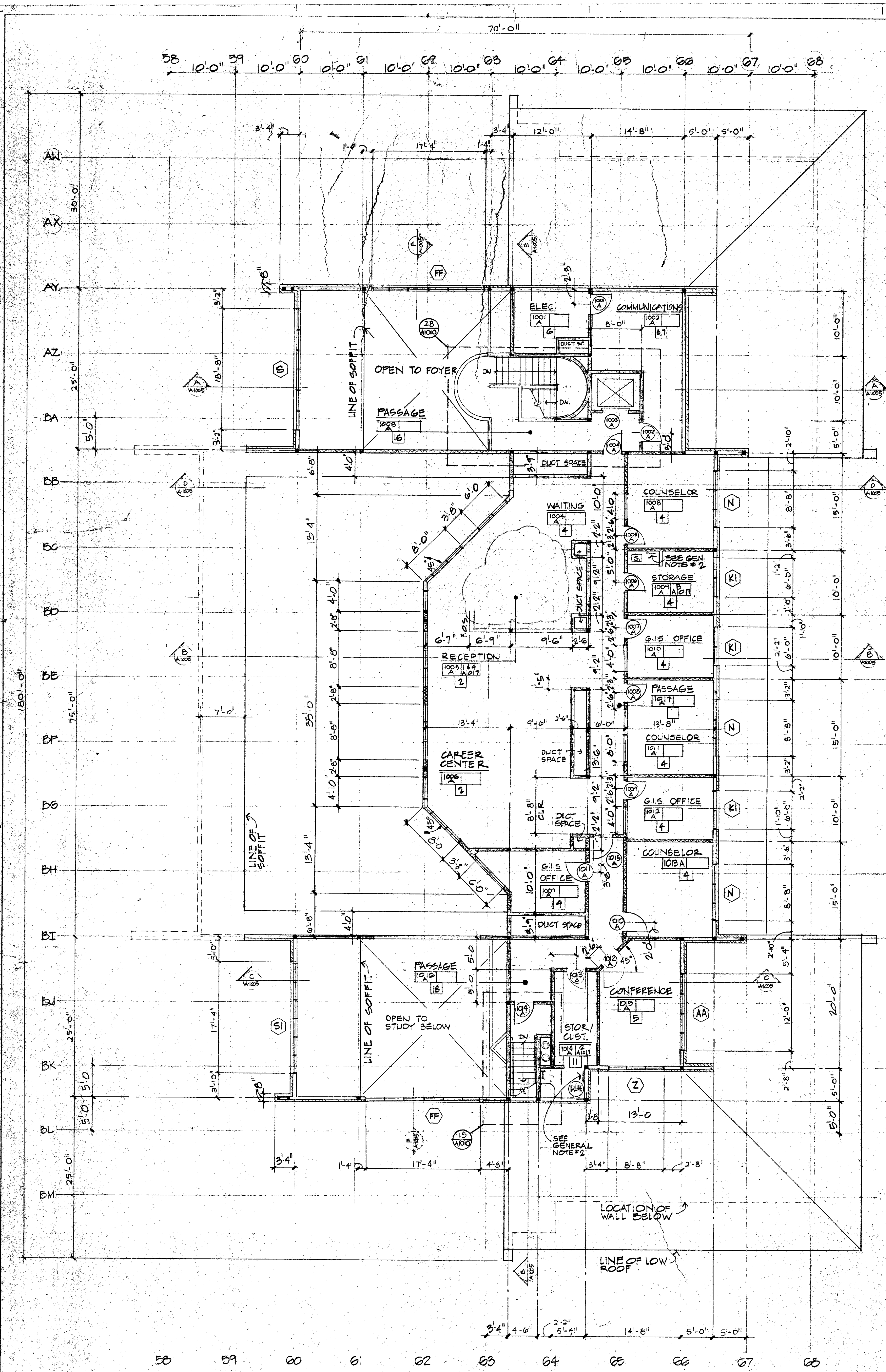
619/438-5899

ARCHITECT
C-6497

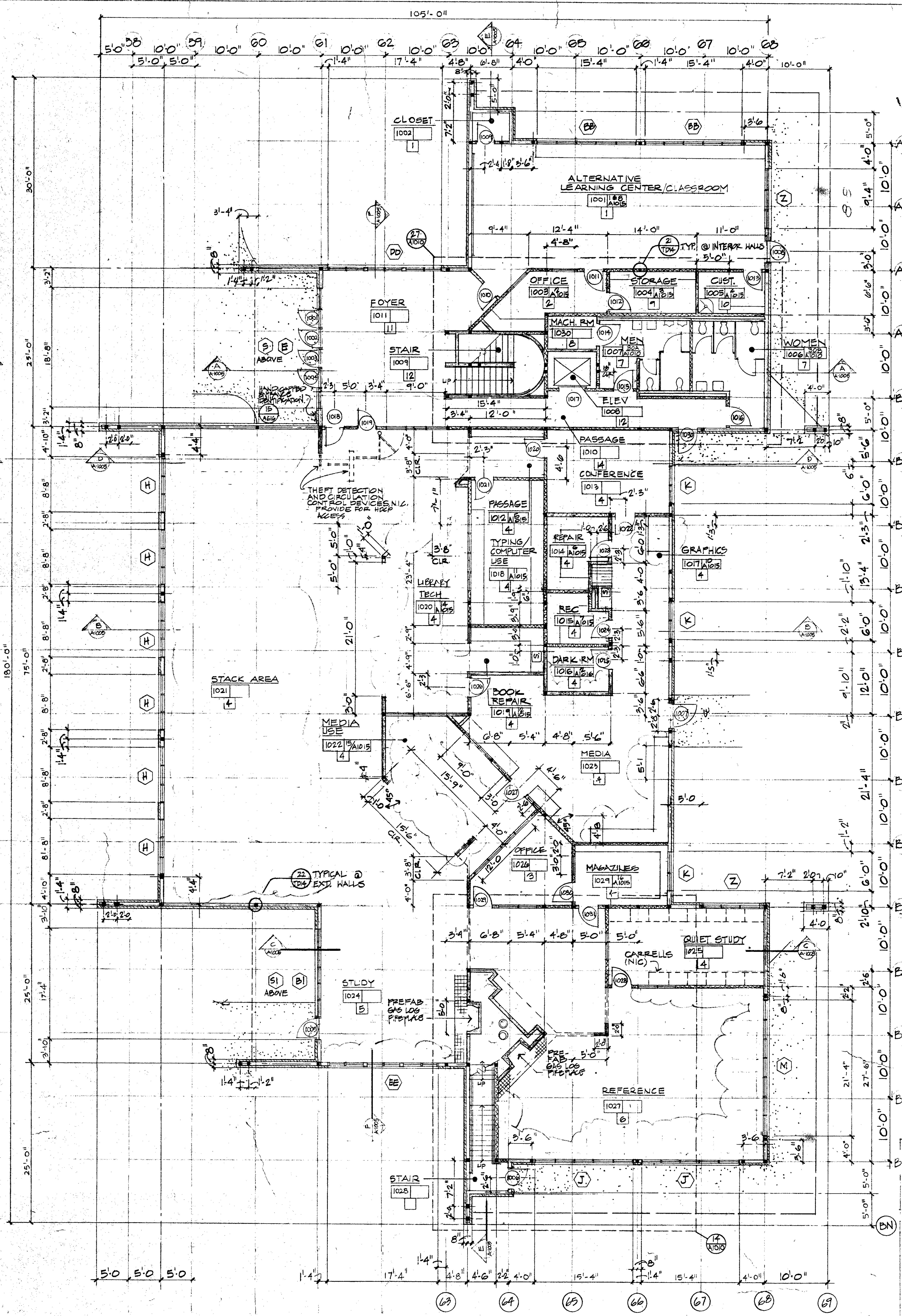
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Home Economics
Bldg. No. 8
Interior Elevations

Sheet Number
A-805
Of Sheets


70'-0"
180'-0"
OPEN TO FOYER
PASSAGE 1028
ELEC. 1001
COMMUNICATIONS 1002
DUCT SPACE
WAITING 1004
COUNSELOR 1008
STORAGE
G.I.S. OFFICE
PASSAGE
COUNSELOR
G.I.S. OFFICE
COUNSELOR 1013A
RECEPTION 1005
CAREER CENTER 1006
G.I.S. OFFICE 1007
DUCT SPACE
LINE OF SOFFIT
PASSAGE 1031
OPEN TO STUDY BELOW
STOR/CUST.
CONFERENCE
SEE GENERAL NOTE #2
LOCATION OF WALL BELOW
LINE OF LOW ROOF

LIBRARY - BLDG. NO.10
SECOND FLR PLAN
1/8" = 1'-0"


105'-0"
180'-0"
CLOSET 1002
ALTERNATIVE LEARNING CENTER/CLASSROOM 1001
TYP. @ INTERIOR WALLS
FOYER 1011
STAIR 1009
OFFICE 1003
STORAGE 1004
CUST. 1005
MACH. RM 1030
MEN 1007
WOMEN 1006
ELEV 1008
PASSAGE 1010
CONFERENCE 1013
THEFT DETECTION AND CIRCULATION CONTROL DEVICES N.I.C. PROVIDE FOR FUTURE ACCESS
PASSAGE 1012
TYPING/COMPUTER USE 1018
REPAIR 1014
GRAPHICS 1017
LIBRARY TECH 1020
REC 1015
DARK RM 1016
STACK AREA 1021
BOOK REPAIR 1019
MEDIA USE 1022
MEDIA 1023
OFFICE 1026
MAGAZINES 1029
TYPICAL @ EXT. WALLS
QUIET STUDY 1025
CARRELS (NIC)
STUDY 1024
PREFAB GAS LOG FIREPLACE
REFERENCE 1027
STAIR 1028

LIBRARY - BLDG. NO.10
FIRST FLR PLAN
1/8" = 1'-0"

OFFICE OF THE STATE ARCHITECT DEFERRED APPROVAL:

Installation of the elevator guide rails and brackets shall not be started until detailed plans, specifications and engineering calculations have been accepted and signed by the Architect or Structural Engineer in general in charge of design, and signature of the architect or professional engineer who has been delegated responsibility covering the work shown on a particular plan or specification, and approved by the Office of the State Architect.

WALL SCHEDULE FOR BUILDING 10

▨	2×8 WOOD STUDS @ 16" O.C. (UNLESS SPECIFICALLY NOTED OTHERWISE) W/ R-11 BATT INSULATION. EXTERIOR FINISH: CONCRETE BLOCK VENEER. INTERIOR FINISH: 1 LAYER OF 5/8" TYPE "X" GYPSUM BOARD. SEE FINISH SCHEDULE FOR ADDITIONAL INFO.
═	2×8 WOOD STUDS @ 16" O.C. BRACED ABOVE THE CEILING PER DET. 18/TD12 WITH 1 LAYER OF 5/8" TYPE "X" GYPSUM BOARD EACH SIDE.
▒	2×8 WOOD STUDS @ 16" O.C. (UNLESS OTHERWISE NOTED ON PLANS) EXTEND TO STRUCTURE PER 14/TD12 W/ 1 LAYER OF 5/8" TYPE 'X' GYP. BD EA SIDE
▥	2×8 WOOD STUDS @ 16" O.C. (UNLESS OTHERWISE NOTED ON PLAN) WITH 6" SOUND INSULATION AND 1 LAYER OF 5/8" TYPE "X" GYPSUM BOARD EACH SIDE. EXTEND STUDS & GYP BD TO STRUCTURE PER 17/TD12

GENERAL NOTES

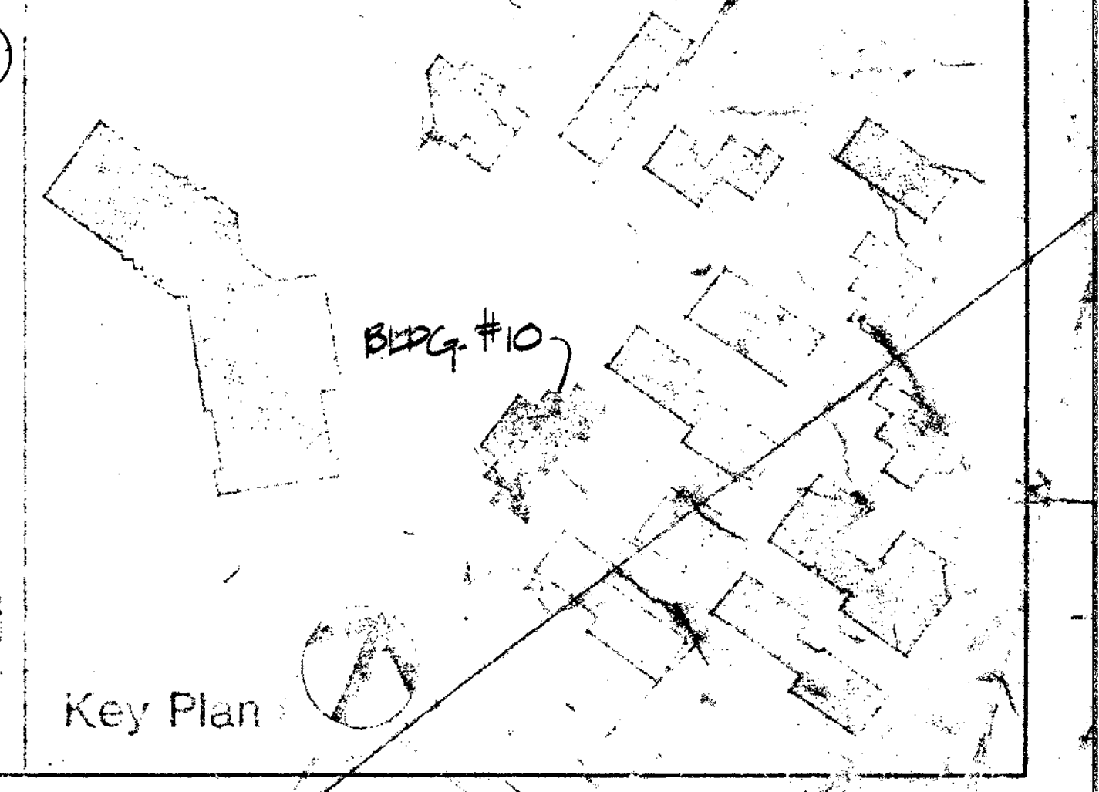
1. THE UNDERSIDE OF ALL FLOOR & ROOF I-JOISTS AND MISCELLANEOUS STRUCTURAL MEMBERS SHALL BE SHEATHED W/ 2 LAYERS OF 1/2" TYPE 'X' GYP. BOARD TO PROVIDE A ONE-HOUR FLOOR-CEILING OR CEILING-ROOF FIRE RATED ASSEMBLY REFER TO 10/TD8.
2. PER TITLE 24, SECTION 2-2304(c) PROVIDE A SIGN STATING: LIVE LOADING OF THE FLOOR SHALL NOT EXCEED 100 POUNDS PER SQUARE FOOT.
3. ALL STRUCTURAL STEEL MEMBERS ARE TO BE WRAPPED W/ TYPE 'X' GYP BD. OR SPRAYED W/ FIRE PROOFING TO COMPLY WITH A TYPE V-1HR RATING.

OFFICE OF THE STATE ARCHITECT
4 9 27 JUN 1988
J. F. M. Cout

OFFICE OF THE STATE ARCHITECT
ACC
4 9 27 5 MAY 4 '88

OFFICE THE STATE ARCHITECT DEFERRED APPROVAL:

Installation of the Elevator Guide Rails shall not be started until detailed plans, specifications and engineering calculations have been accepted and signed by the Architect or Structural Engineer in general in charge of design, and signature of the architect or professional engineer who has been delegated responsibility covering the work shown on a particular plan or specification, and approved by the Office of the State Architect.



Key Plan

Drawn By
Checked By
Date MAR 1988
Commission No. 13002

Revisions
△ 6/29/88 PHASING
ADDENDUM 'D' 10/6/88

Architects Planners
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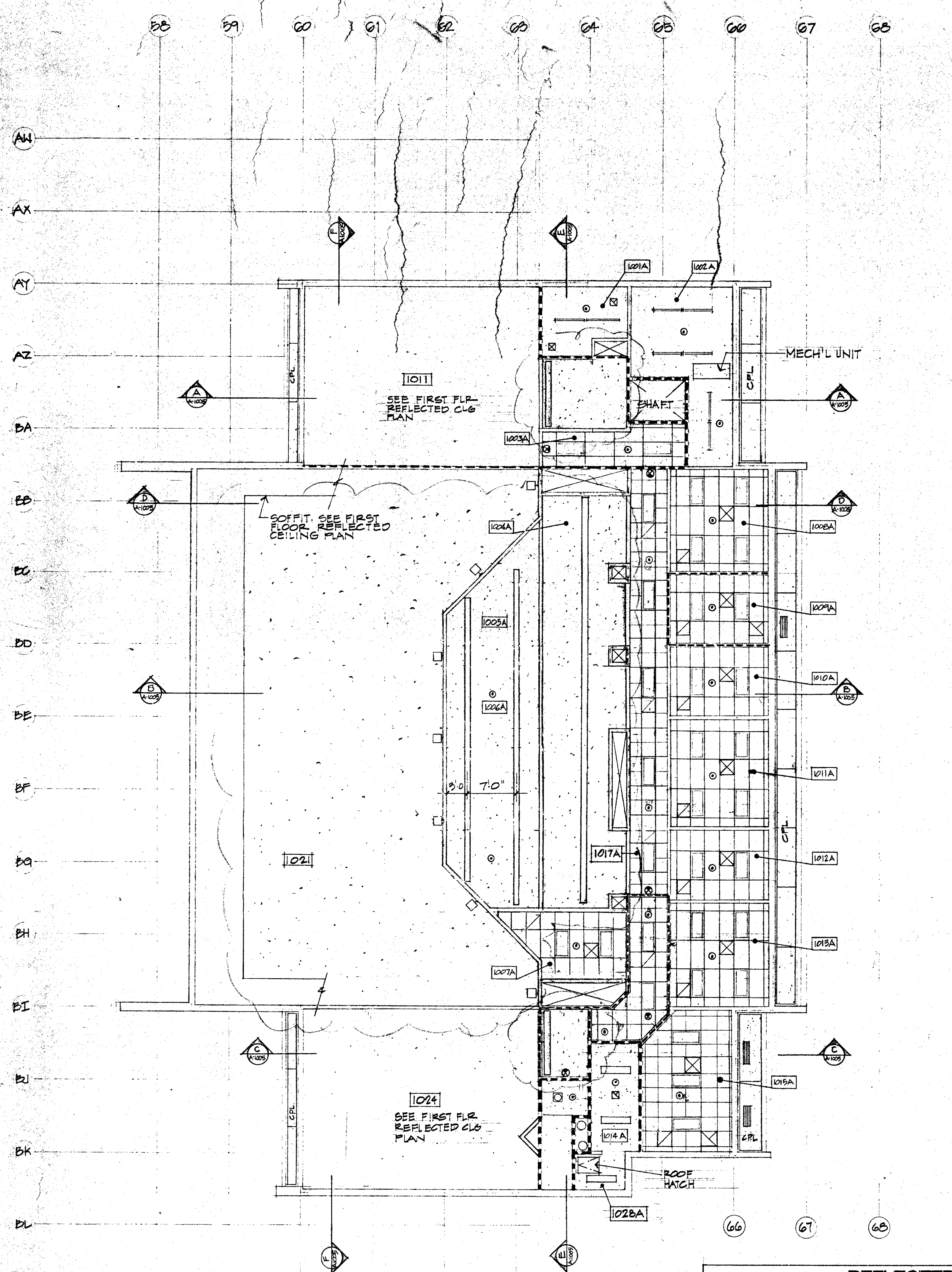
ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Library / Guidance Center –
Bldg. No.10
Floor Plans

Sheet Number
A-1001
Of Sheets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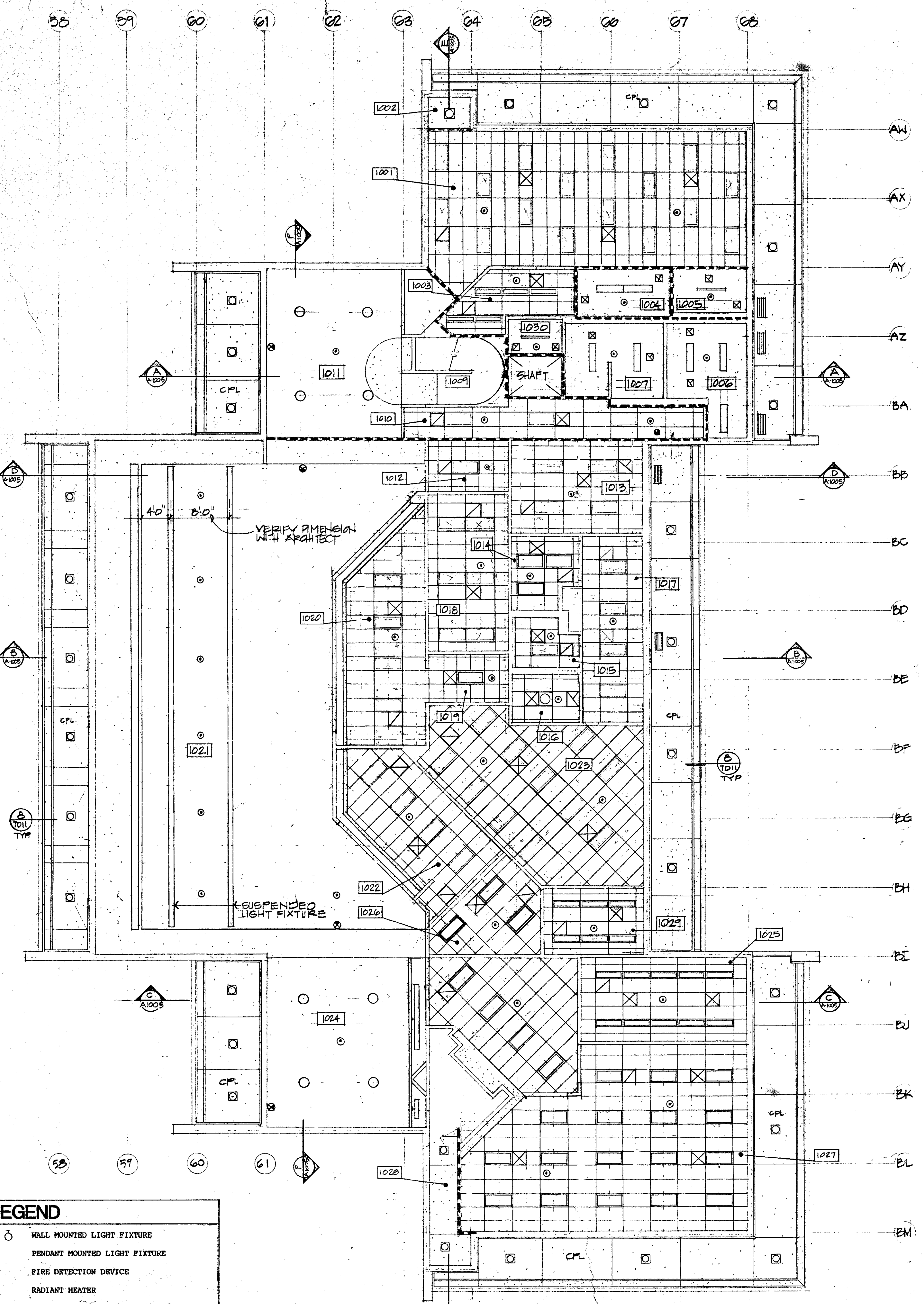
AW
AX
AY
AZ
BA
BB
BC
BD
BE
BF
BG
BH
BI
BJ
BK
BL
BM
1001A
1002A
MECH'L UNIT
1011
SEE FIRST FLR. REFLECTED CLG. PLAN
SHAFT
1003A
CPL
SOFFIT. SEE FIRST FLOOR REFLECTED CEILING PLAN
1004A
1005A
1006A
1008A
1009A
1010A
1011A
1012A
1013A
1017A
1007A
1015A
3'0"
7'0"
1021
1024
SEE FIRST FLR REFLECTED CLG PLAN
1014 A
ROOF HATCH
1028A
1028BA

SECOND FLR. REFLECTED CLG. PLAN

1/8"=1'-0"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AW
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BD
BE
BF
BG
BH
BI
BJ
BK
BL
BM
1002
1001
CPL
1003
1004
1005
1030
1011
1009
SHAFT
1007
1006
1010
1012
1013
4'0"
8'0"
VERIFY DIMENSION WITH ARCHITECT
1014
1017
1020
1018
1015
1019
1016
1023
1021
B T011 TYP
1022
1026
SUSPENDED LIGHT FIXTURE
1029
1025
1024
1027
1028

LIBRARY BLDG. NO. 10

FIRST FLR. REFLECTED CLG. PLAN

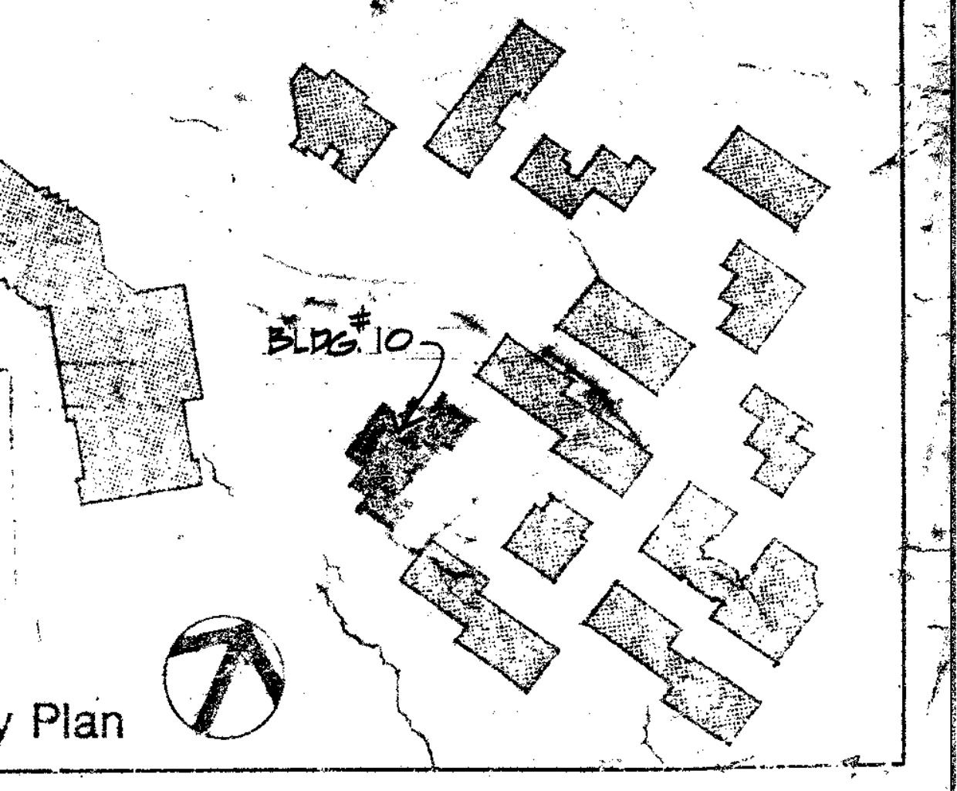
1/8" = 1'-0"

REFLECTED CEILING LEGEND

- - - - -	ONE HOUR SEPARATION	⊤	WALL MOUNTED LIGHT FIXTURE
— — —	TWO HOUR SEPARATION	○	PENDANT MOUNTED LIGHT FIXTURE
—·—	FOUR HOUR SEPARATION	⊙	FIRE DETECTION DEVICE
▒	GYPSUM BOARD SOFFIT OR CEILING 1/T08	▭	RADIANT HEATER
CPL	CEMENT PLASTER SOFFIT OR CEILING 2/T08	☒	SUPPLY DIFFUSER
▤	EXPOSED METAL DECKING	◪	RETURN AIR DIFFUSER
▦	ACOUSTICAL CEILING TILE GLUED TO GYPSUM BOARD	☒	EXHAUST AIR DIFFUSER
		▤	SOFFIT DIFFUSER
⊞	2X4 SUSPENDED ACOUSTICAL CEILING PANELS 11/T08	SL	SKYLIGHT
▦	2X2 SUSPENDED ACOUSTICAL CEILING PANELS 11/T08	▷	ROOF HATCH
▭	RECESSED LIGHT FIXTURE	⊗	EXIT LIGHT
▭	SURFACE MOUNTED LIGHT FIXTURE	EJ	EXPANSION JOINT
◘	RECESSED DOWN LIGHT	100	ROOM NUMBER
▭	SURFACE MOUNTED STRIP LIGHT		

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49 2/5 JUN 22 1388
APPROVED APPLICATION NO.
P. M. C
PRINCIPAL STRUCTURAL ENGINEER

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
4927 5 MAY 4 '88
APPLICATION NO.



Key Plan

Drawn By	Revisions	
Checked By	△A 6/29/88 PHASING	
Date MAR 1988	ADDENDUM 'D' 10/6/88	
Commission No. 13002		

Architects Planners
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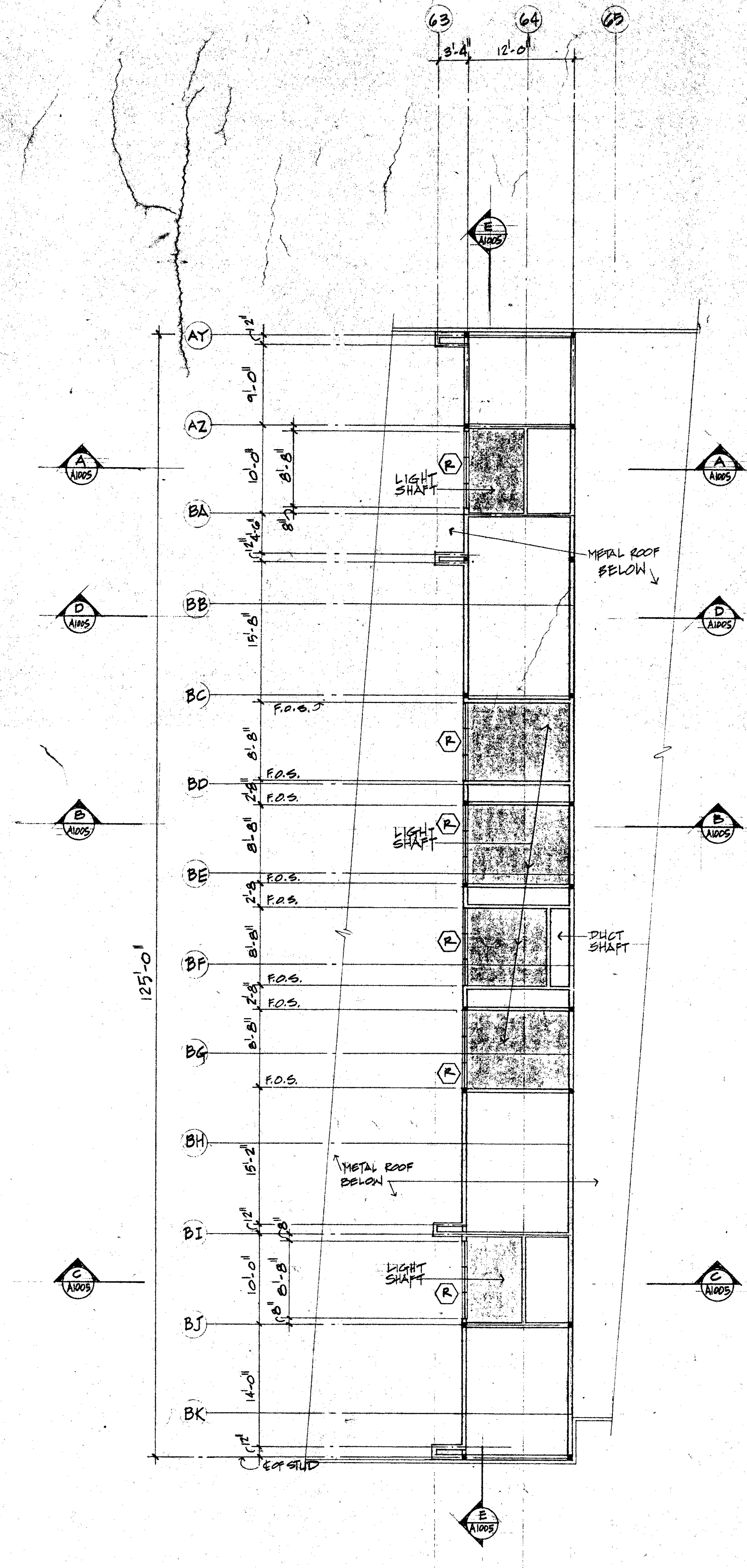
619/438-5899

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

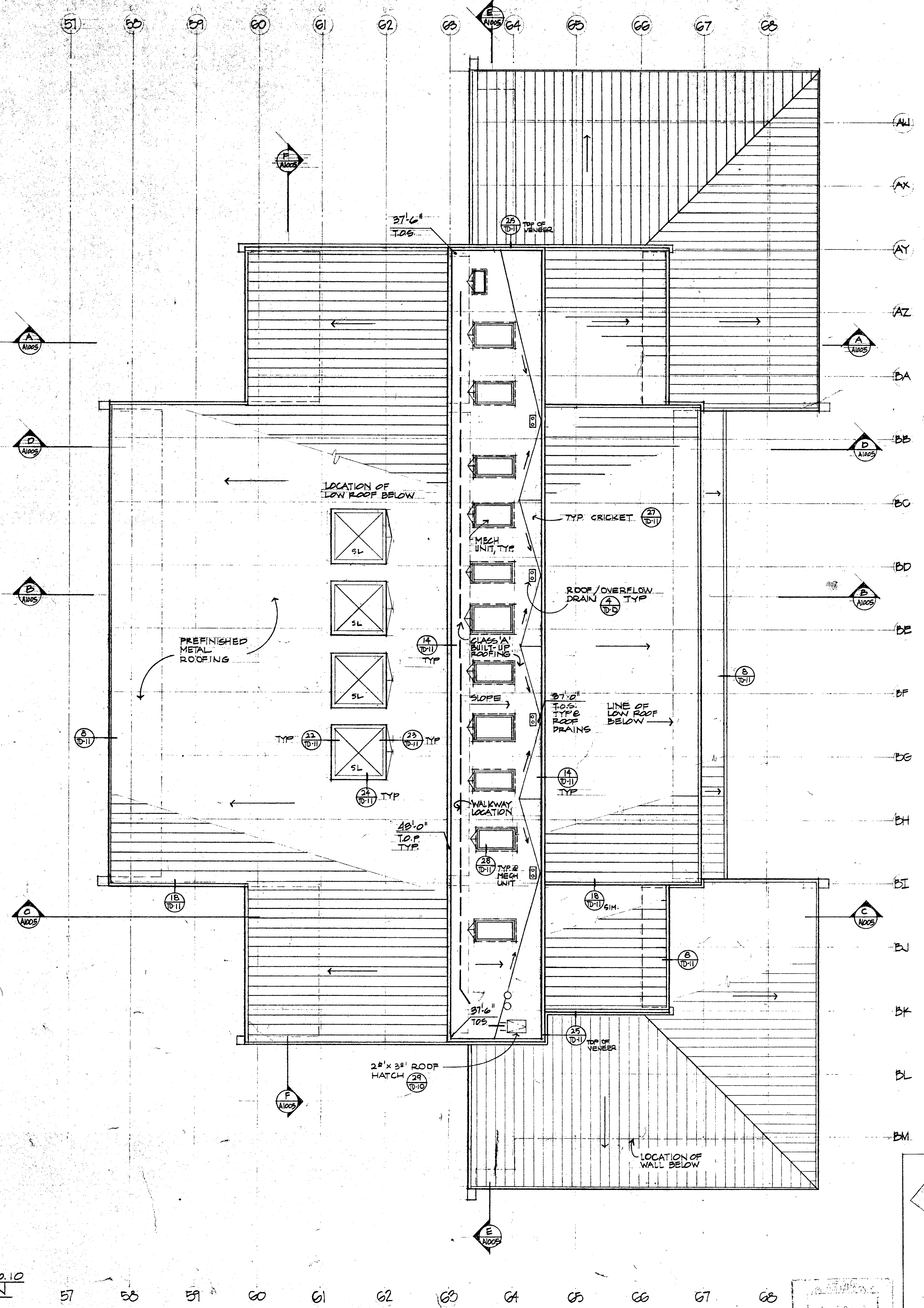
Library/Guidance Center
Bldg. No. 10
Reflected Ceiling Plans

Sheet Number
A1002
Of Sheets


63
64
65
3'-4"
12'-0"
AY
AZ
BA
BB
BC
BD
BE
BF
BG
BH
BI
BJ
BK
125'-0"
9'-0"
10'-0"
8'-8"
15'-8"
8'-8"
15'-2"
10'-0"
8'-8"
14'-0"
LIGHT SHAFT
METAL ROOF BELOW
F.O.S.
DUCT SHAFT
R
A A1005
B A1005
C A1005
D A1005
E A1005
@ STUD
63
64
65

N

LIBRARY-BLDG. NO. 10
PLAN AT CLERESTORY WINDOWS
1/8"=1'-0"


57
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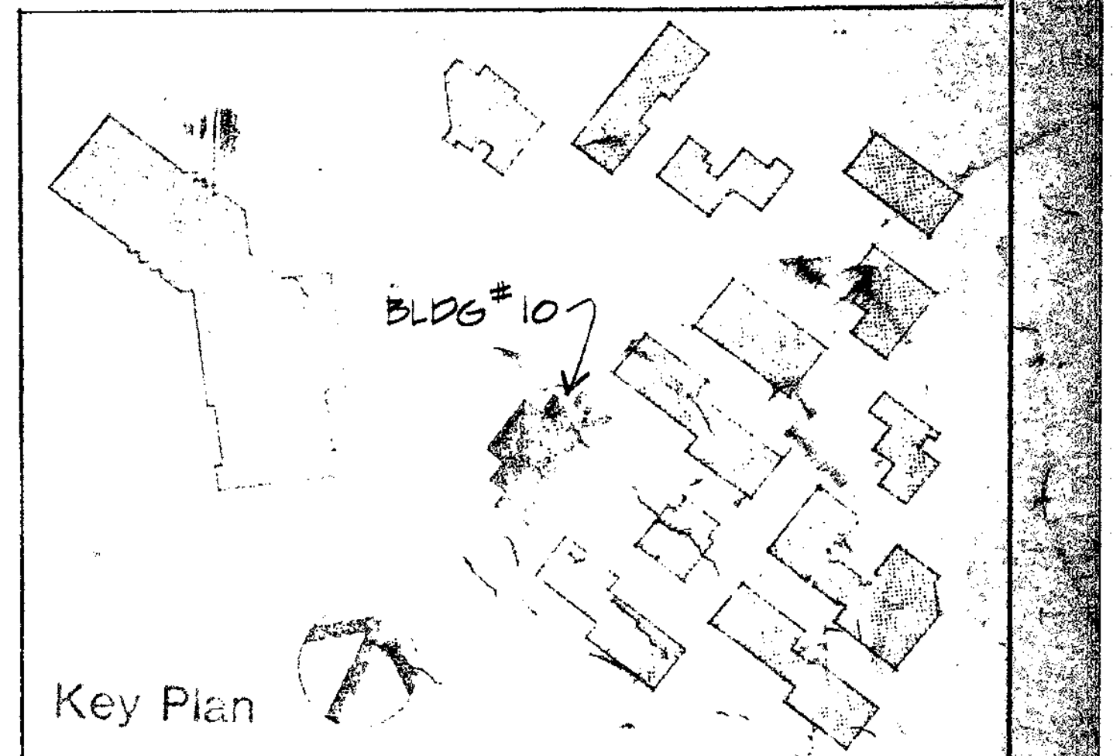
AW
AX
AY
AZ
BA
BB
BC
BD
BE
BF
BG
BH
BI
BJ
BK
BL
BM
37'-6" T.O.S.
25 TD-11 TOP OF VENEER
LOCATION OF LOW ROOF BELOW
SL
TYP CRICKET 27 TD-11
MECH UNIT, TYP.
ROOF/OVERFLOW DRAIN 4 TD-6 TYP
PREFINISHED METAL ROOFING
14 TD-11 TYP
CLASS 'A' BUILT-UP ROOFING
SLOPE
37'-0" T.O.S. TYP @ ROOF DRAINS
LINE OF LOW ROOF BELOW
TYP 22 TD-11
23 TD-11 TYP
24 TD-11 TYP
WALKWAY LOCATION
48'-0" T.O.P. TYP.
28 TD-11 TYP @ MECH UNIT
18 TD-11
18 TD-11 SIM.
8 TD-11
37'-6" T.O.S.
2'8" x 3'0" ROOF HATCH 29 TD-10
LOCATION OF WALL BELOW
A A1005
B A1005
C A1005
D A1005
E A1005
F A1005

N

LIBRARY-BLDG. NO. 10
ROOF PLAN
1/8" = 1'-0"



Key Plan

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 1988
P. M. Cont

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88

Drawn By
Checked By
Date MAR 1988
Commission No. 13002

Revisions
△ 6/29/88 PHASING

Architects Planners
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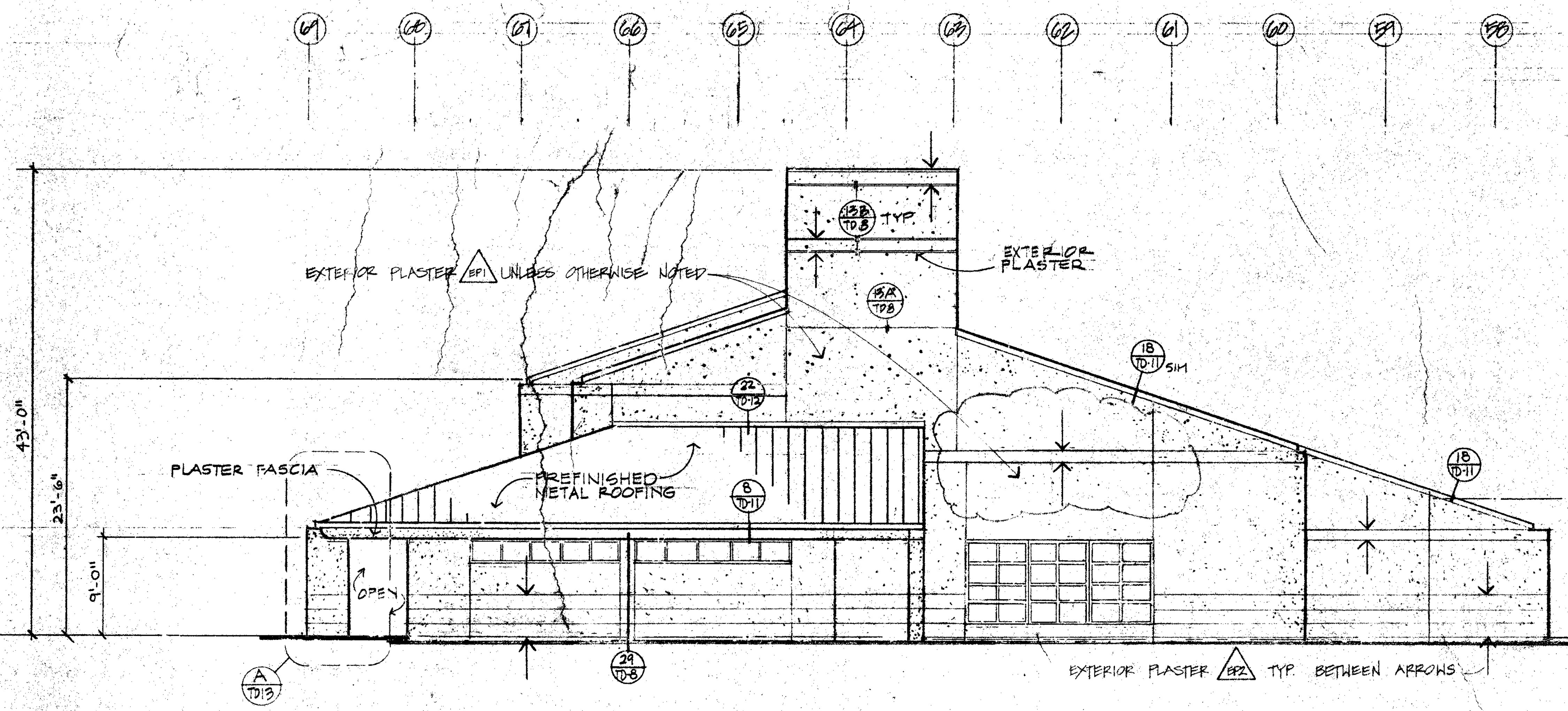
ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Library/Guidance Center
Bldg. No. 10
Roof Plan & Clerestory Plan

Sheet Number
A-1003
Of Sheets


69
68
67
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64
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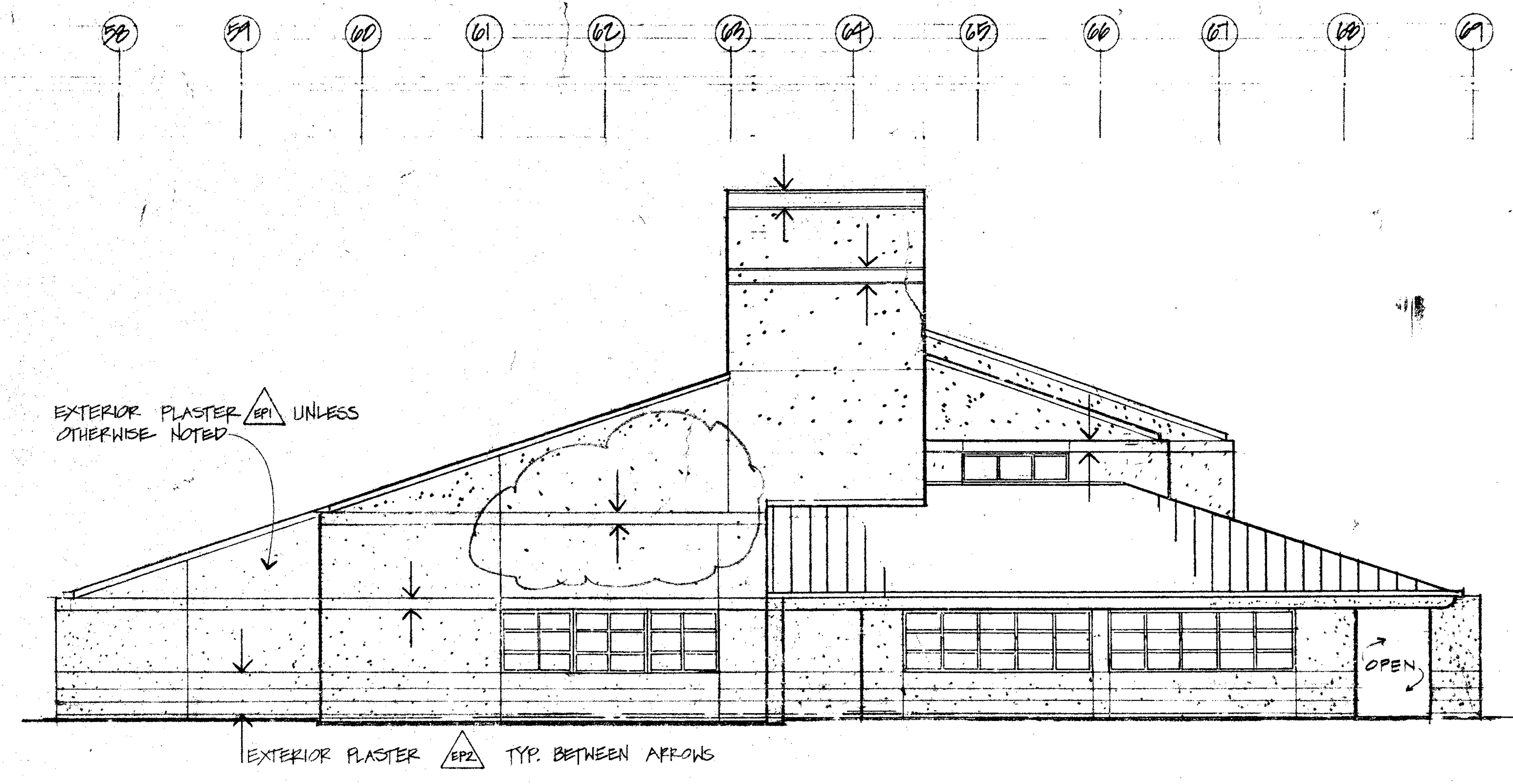
61
60
59
58
13B TD8 TYP.
EXTERIOR PLASTER
EXTERIOR PLASTER EP1 UNLESS OTHERWISE NOTED
13A TD8
18 TD11 SIM
22 TD12
43'-0"
23'-6"
9'-0"
PLASTER FASCIA
PREFINISHED METAL ROOFING
8 TD11
18 TD11
OPEN
A TD13
29 TD8
EXTERIOR PLASTER EP2 TYP. BETWEEN ARROWS

A A1004 NORTH ELEVATION-LIBRARY/GUIDANCE-BLDG. NO. 10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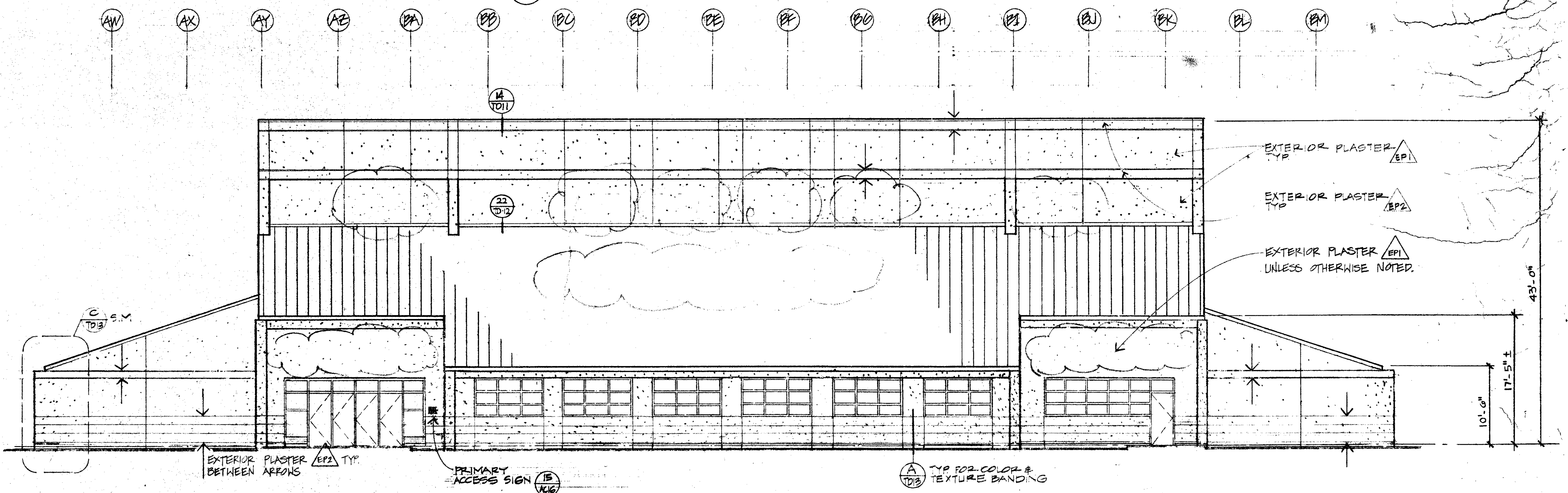
EXTERIOR PLASTER EP1 UNLESS OTHERWISE NOTED
OPEN
EXTERIOR PLASTER EP2 TYP. BETWEEN ARROWS

B A1004 SOUTH ELEVATION-LIBRARY/GUIDANCE-BLDG. NO. 10


AW
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BI
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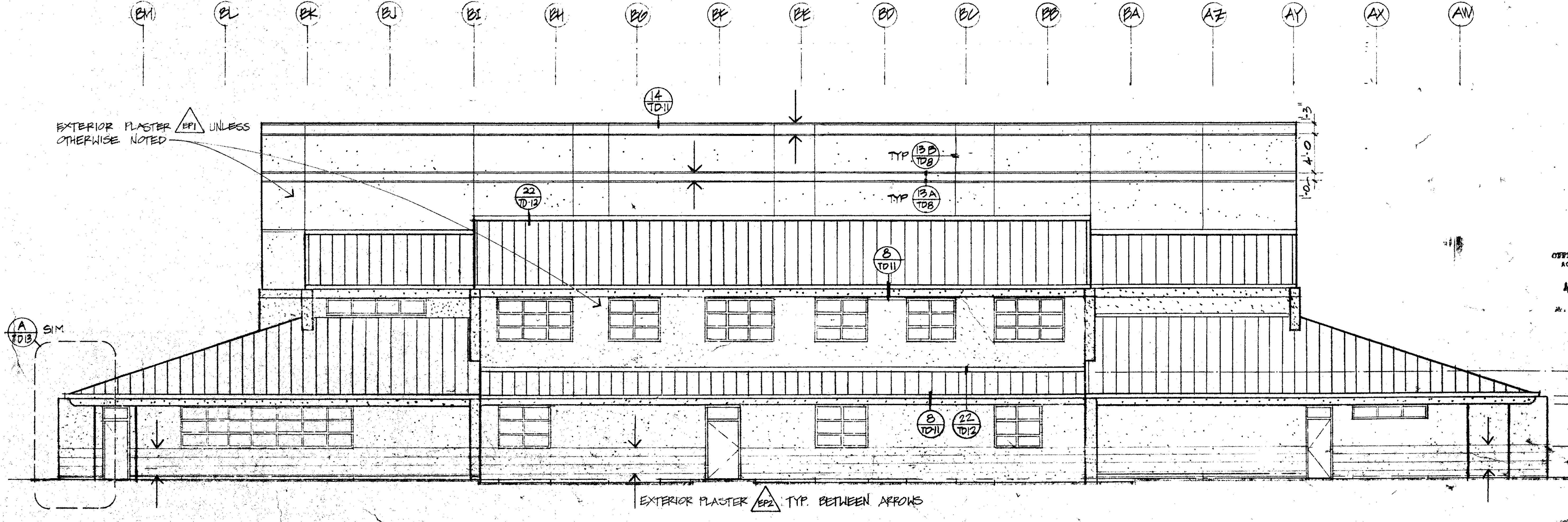
BM
14 TD11
22 TD12
EXTERIOR PLASTER TYP EP1
EXTERIOR PLASTER TYP EP2
EXTERIOR PLASTER EP1 UNLESS OTHERWISE NOTED.
C TD13 S.M.
43'-0"
17'-5" ±
10'-6"
EXTERIOR PLASTER EP2 TYP. BETWEEN ARROWS
PRIMARY ACCESS SIGN 15 A16
A TD13 TYP FOR COLOR & TEXTURE BANDING

C A1004 WEST ELEVATION-LIBRARY/GUIDANCE-BLDG. NO. 10


BM
BL
BK
BJ
BI
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AZ
AY
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AW
EXTERIOR PLASTER EP1 UNLESS OTHERWISE NOTED
14 TD11
TYP 13B TD8
TYP 13A TD8
22 TD12
8 TD11
A TD13 SIM.
8 TD11
22 TD12
1'-3"
4'-0"
1'-0"
1'-0"
5'-0½"
10'-0"
EXTERIOR PLASTER EP2 TYP. BETWEEN ARROWS

D A1004 EAST ELEVATION-LIBRARY/GUIDANCE-BLDG. NO. 10

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88
APPLICATION NO.

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 1988
R. M. Cant
APPROVAL APPLICATION NO.
PRINCIPAL STRUCTURAL ENGINEER

APPROVED
FIRE AND PANIC ONLY
BJ
STATE FIRE MARSHAL
SOUTHERN REGION

Drawn By
Checked By
Date MAR 1988
Commission No. 13002

Revisions
A 6/29/88 PHASING
ADDENDUM D 10/6/88

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES

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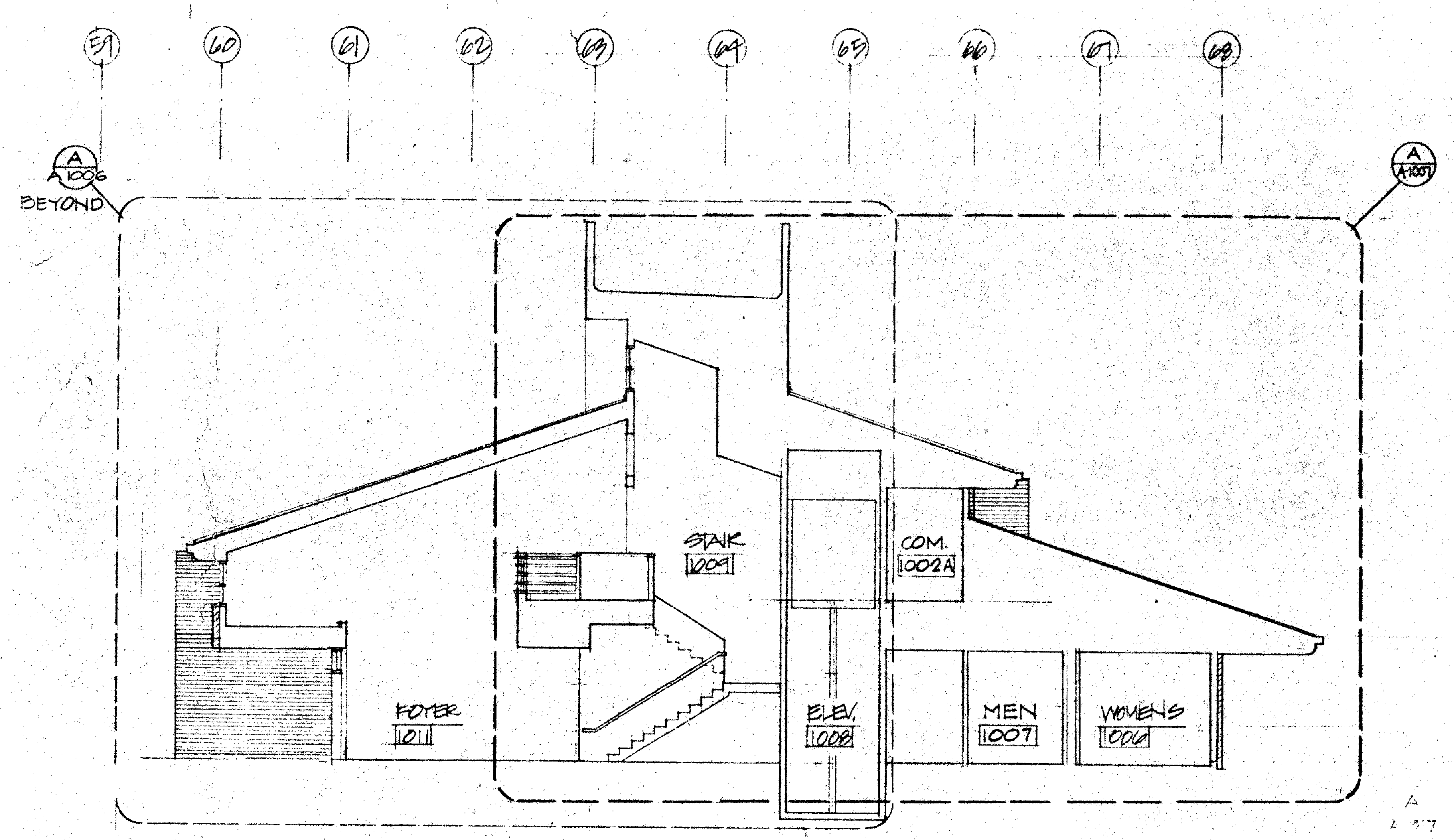
619/438-5899

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

Library/Guidance Center
Bldg. No. 10
Exterior Elevations

Sheet Number
A-1004
Of Sheets


59
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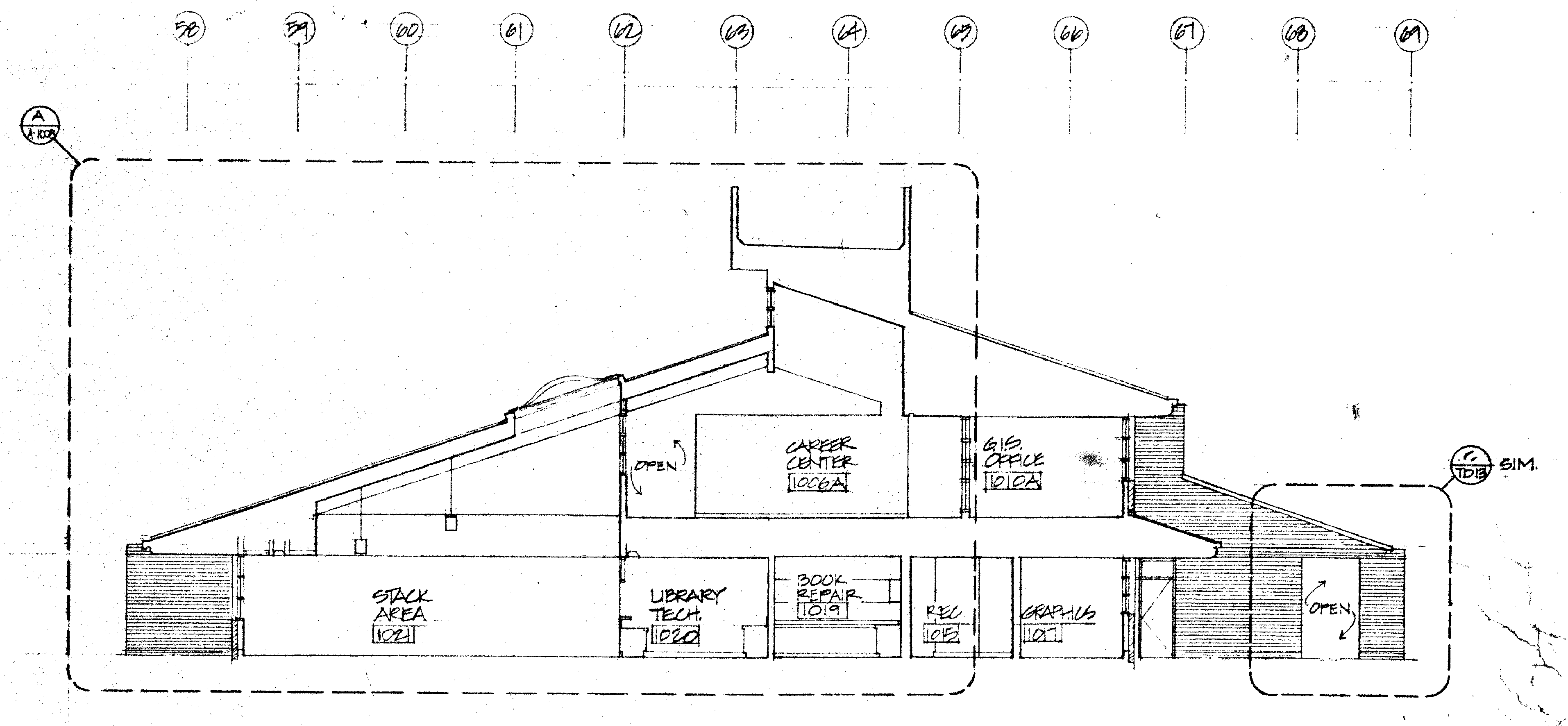
A A1006 BEYOND
A A1007
STAIR 1009
COM. 1002A
FOYER 1011
ELEV. 1008
MEN 1007
WOMENS 1006

A SECTION-LIBRARY/GUIDANCE-BLDG NO.10 A1005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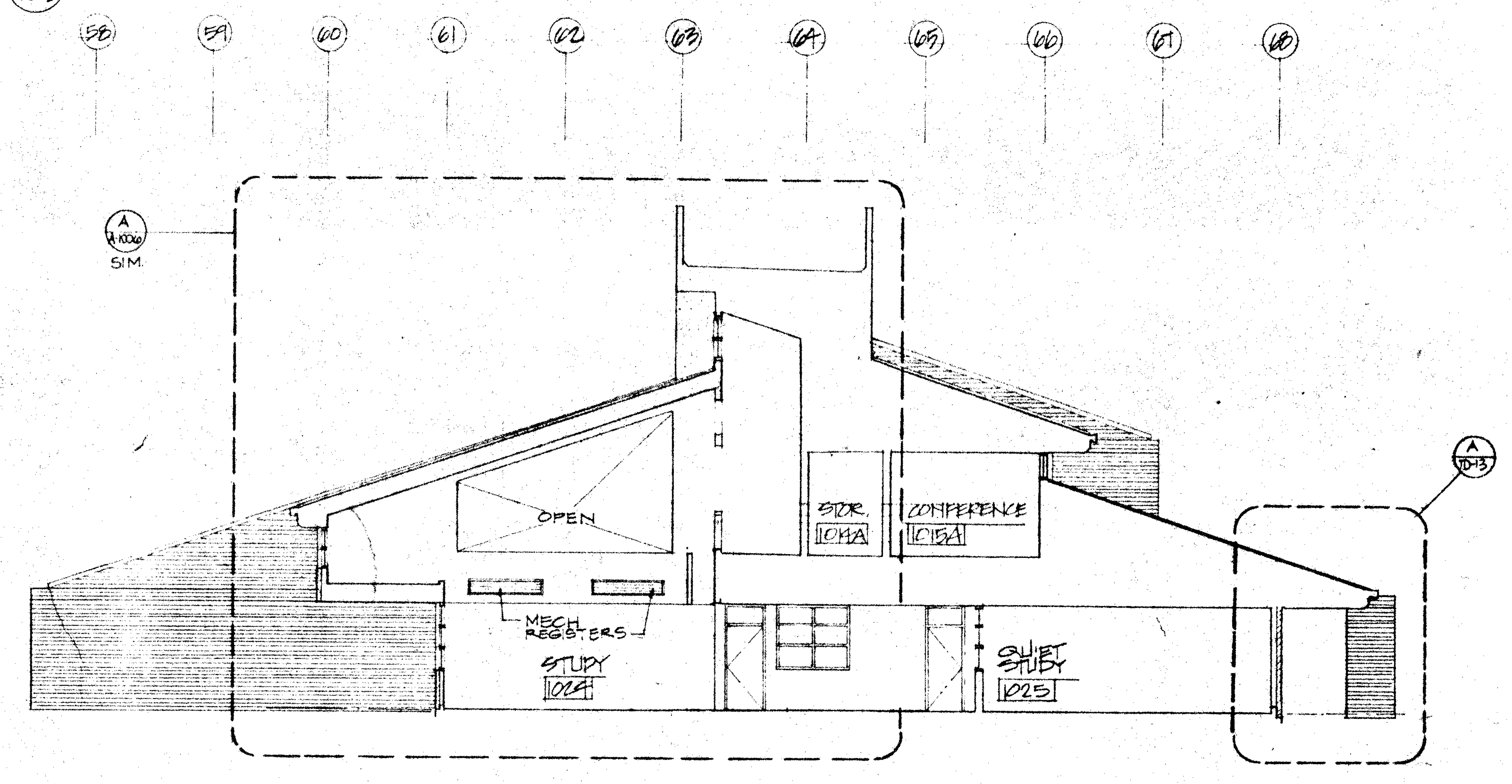
68
69
A A1007
OPEN
CAREER CENTER 1006A
G/S OFFICE 1010A
C TD8 SIM.
STACK AREA 1021
LIBRARY TECH. 1020
BOOK REPAIR 1019
REC 1015
GRAPHICS 1017
OPEN

B SECTION-LIBRARY/GUIDANCE-BLDG NO.10 A1005


58
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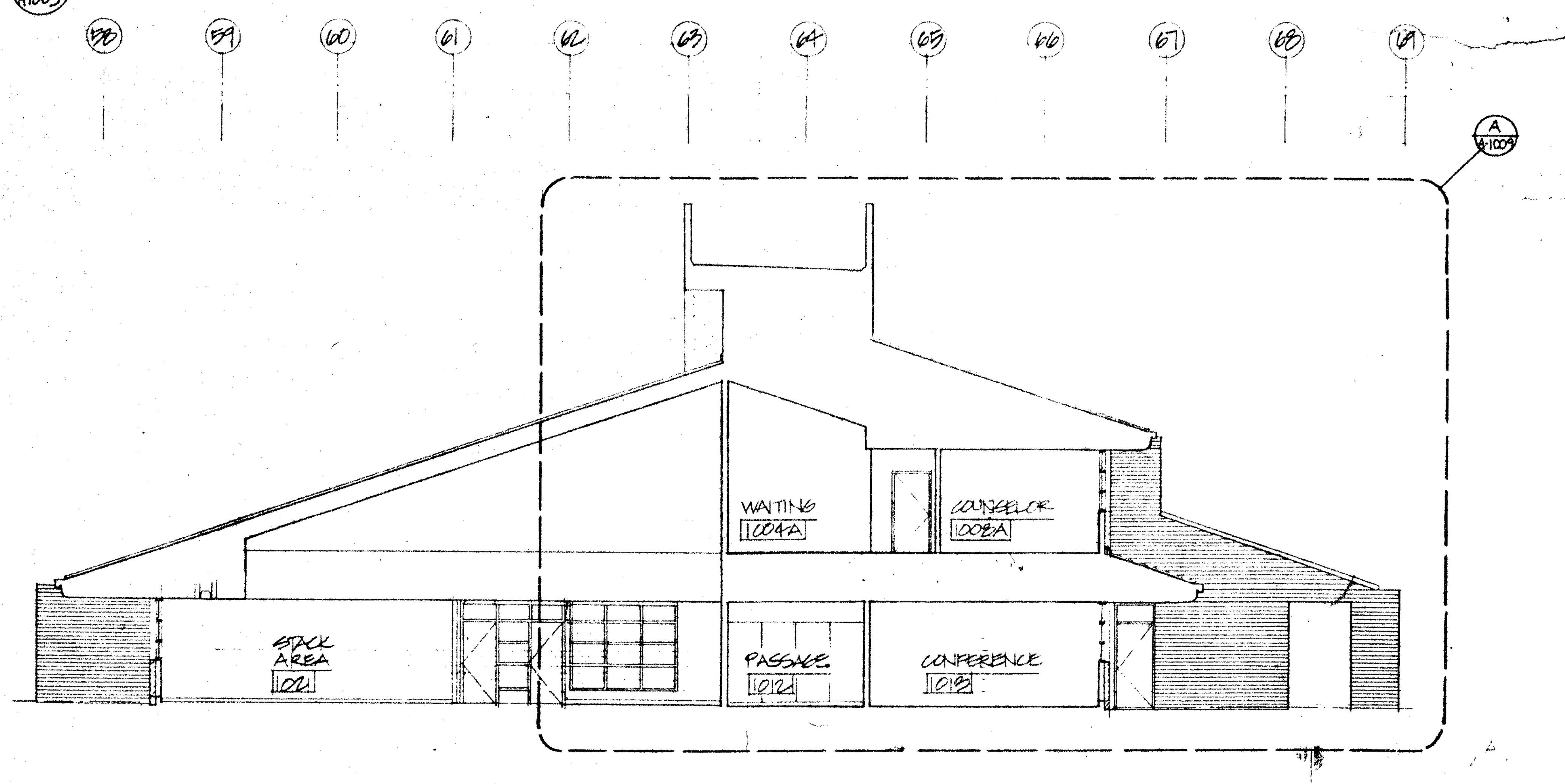
68
A A1006 SIM.
OPEN
STOR 1014A
CONFERENCE 1015A
A TD-13
MECH REGISTERS
STUDY 1024
QUIET STUDY 1025

C SECTION-LIBRARY/GUIDANCE-BLDG NO.10 A1005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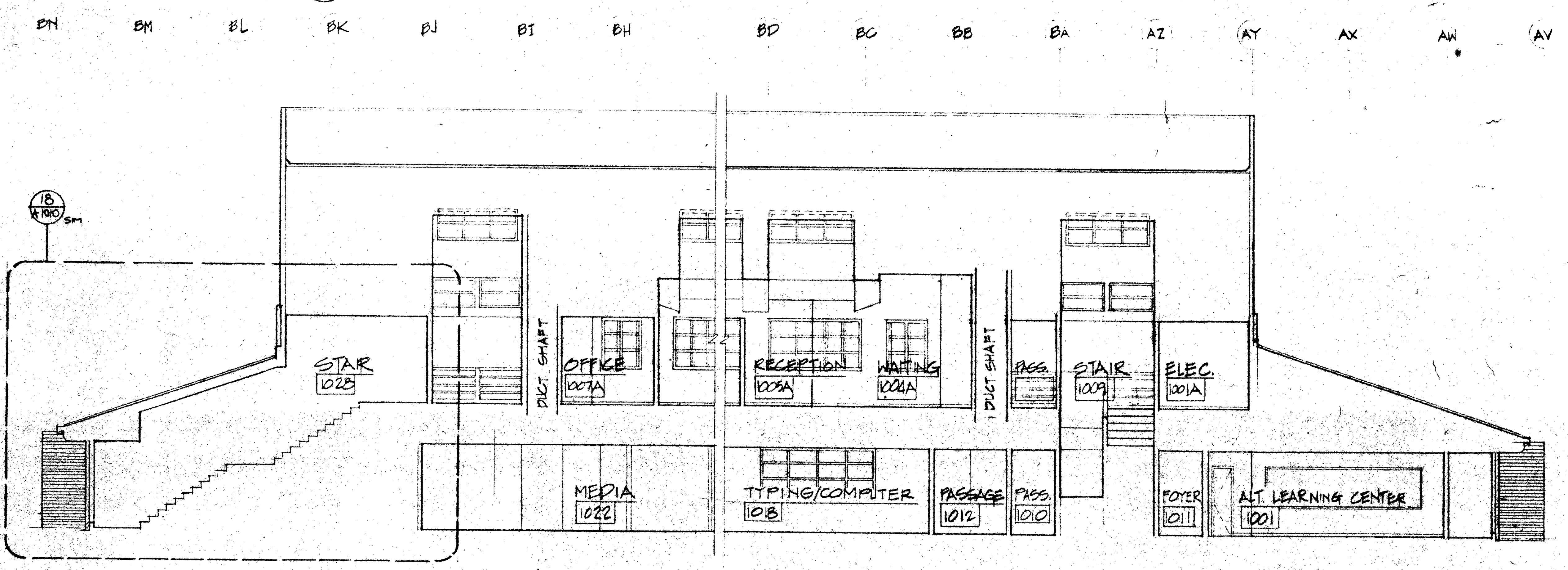
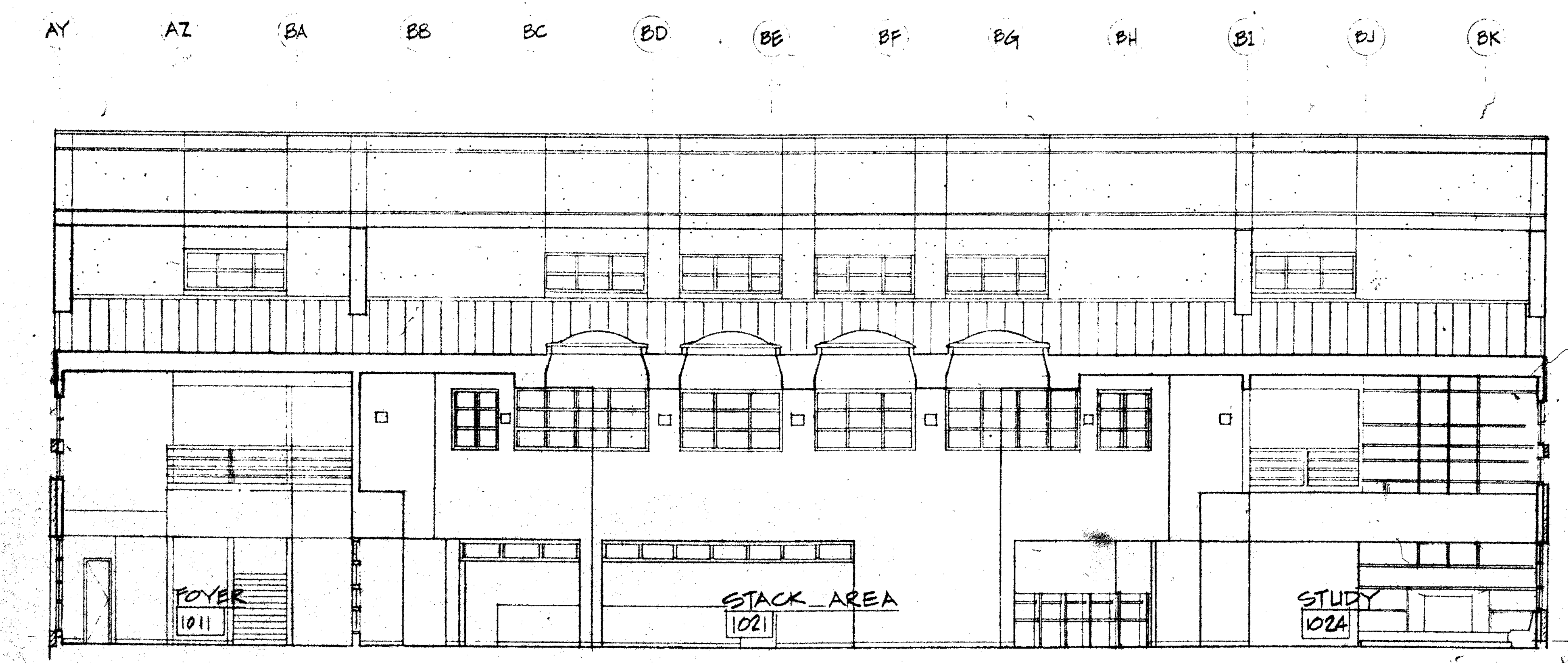
68
69
A A1007
WAITING 1004A
COUNSELOR 1003A
STACK AREA 1021
PASSAGE 1012
CONFERENCE 1018

D SECTION-LIBRARY/GUIDANCE-BLDG NO.10 A1005


BN
BM
BL
BK
BJ
BI
BH
BD
BC
BB
BA
AZ
AY
AX
AW
AV
18 A1010 SIM
STAIR 1028
DUCT SHAFT
OFFICE 1007A
RECEPTION 1005A
WAITING 1004A
DUCT SHAFT
PASS.
STAIR 1009
ELEC. 1001A
MEDIA 1022
TYPING/COMPUTER 1018
PASSAGE 1012
PASS. 1010
FOYER 1011
ALT. LEARNING CENTER 1001

E SECTION- LIBRARY / GUIDANCE - BLDG. NO. 10 A1005


AY
AZ
BA
BB
BC
BD
BE
BF
BG
BH
BI
BJ
BK
FOYER 1011
STACK AREA 1021
STUDY 1024

F SECTION - LIBRARY / GUIDANCE - BLDG. NO. 10 A1005

OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION
A 4 9 2 / 5 JUN 2 1988

OFFICE OF THE STATE ARCHITECT

A 4 2 7 5 MAY 4 '88

Drawn By

Checked By

Date MAR 1988

Commission No 13002

Revisions
A 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU / ASSOCIATES
3775 Tenth Street Riverside, CA 92501-3669 714/684-4664
5751 Palmer Way, Suite C Carlsbad, CA 92008-1995 619/438-5899

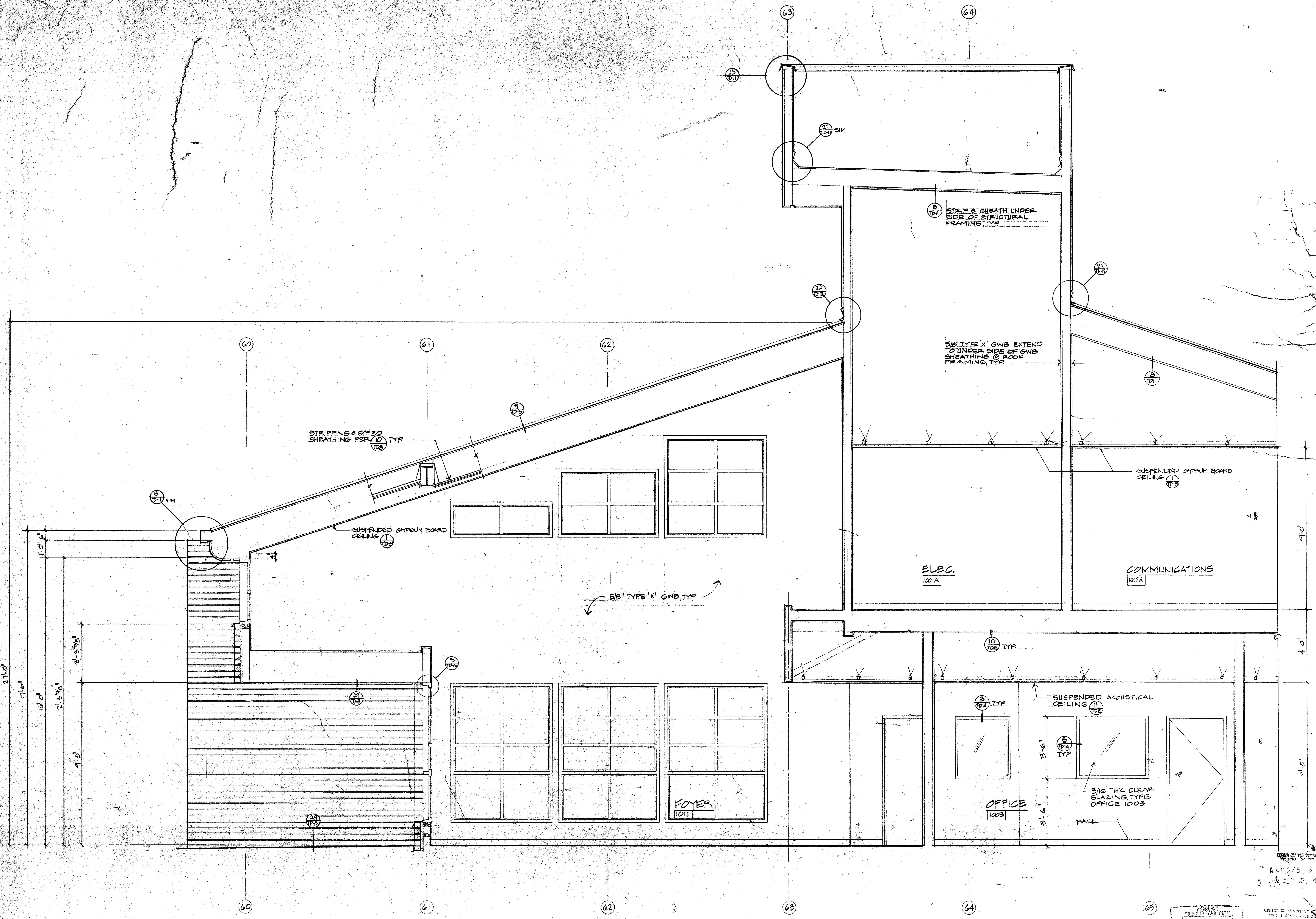
ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Library/Guidance Center
Bldg. No. 10
Building Section s

Sheet Number
A-1005
Of Sheets

RECORD SEPIA 9/16/88


63
64
13
TD-11
27
TD-11
SIM
8
TD11
STRIP & SHEATH UNDER SIDE OF STRUCTURAL FRAMING, TYP.
22
TD-12
22
TD-12
60
61
62
5/8" TYPE 'X' GWB EXTEND TO UNDER SIDE OF GWB SHEATHING @ ROOF FRAMING, TYP.
8
TD11
9
TD-8
STRIPPING & GYP BD SHEATHING PER 10/TD8 TYP.
SUSPENDED GYPSUM BOARD CEILING 1/TD-8
8
TD-11
SIM
SUSPENDED GYPSUM BOARD CEILING 1/TD-8
5/8" TYPE 'X' GWB, TYP.
ELEC.
1001A
COMMUNICATIONS
1002A
10
TD8
TYP.
5
TD-6
29
TD-8
SUSPENDED ACOUSTICAL CEILING 11/TD8
3
TD14
TYP.
3
TD14
TYP
3/16" THK CLEAR GLAZING, TYP @ OFFICE 1003
FOYER
1011
OFFICE
1003
BASE
29'-0"
17'-0"
16'-0"
12'-3 5/8"
1'-0"
6"
4"
3'-3 5/8"
9'-0"
9'-0"
4'-0"
9'-0"
3'-6"
3'-6"
60
61
62
63
64
65

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49,275 JUN 22 1988

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
472 06 MAY 4 '88

A
A1006
SECTION
1/2" = 1'-0"

Drawn By
Checked By
Date MAR 1988
Commission No. 13002

Revisions
A 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES

3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664

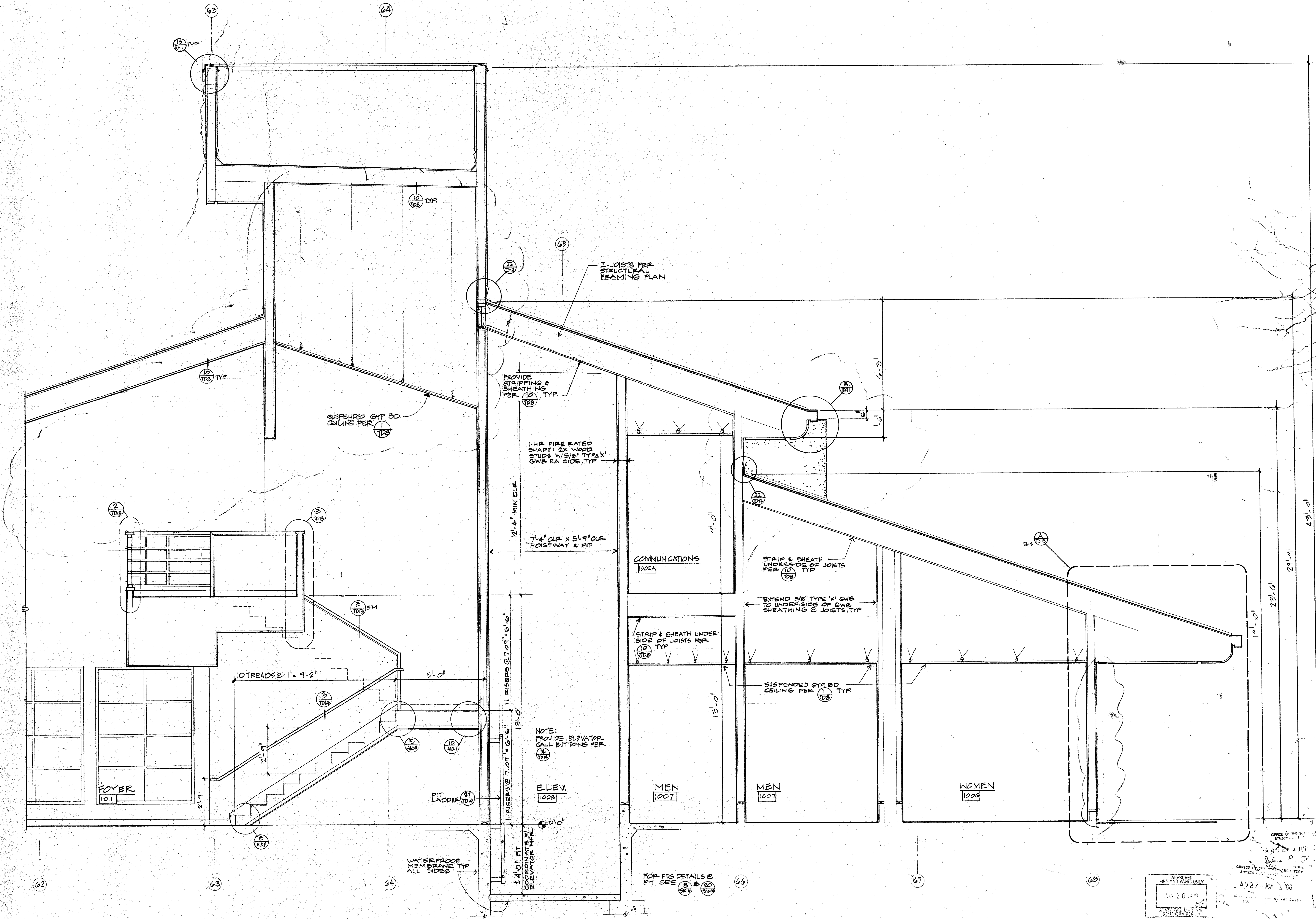
5751 Palmer Way, Suite C
Carlsbad, CA 92008-1995
619/438-6899

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Library/Guidance Center
Bldg. No. 10
Wall Section

Sheet Number
A-1006
Of Sheets


63
64
13 / TD11 TYP
10 / TD8 TYP
65
22 / TD12
I-JOISTS PER STRUCTURAL FRAMING PLAN
10 / TD8 TYP.
SUSPENDED GYP. BD. CEILING PER 1 / TD8
PROVIDE STRIPPING & SHEATHING PER 10 / TD8, TYP.
8 / TD11
6'-3"
6"
1'-6"
1-HR FIRE RATED SHAFT: 2X WOOD STUDS W/5/8" TYPE 'X' GWB EA SIDE, TYP
22 / TD12
12'-4" MIN CLR
9'-0"
2 / TD13
3 / TD13
7'-4" CLR x 5'-9" CLR HOISTWAY & PIT
COMMUNICATIONS
1002A
STRIP & SHEATH UNDERSIDE OF JOISTS PER 10 / TD8 TYP
A / TD15 SIM.
43'-0"
29'-9"
23'-6"
19'-10"
3 / TD13 SIM
EXTEND 5/8" TYPE 'X' GWB TO UNDERSIDE OF GWB SHEATHING @ JOISTS, TYP
STRIP & SHEATH UNDERSIDE OF JOISTS PER 10 / TD8, TYP
10 TREADS @ 11" = 9'-2"
5'-0"
11 RISERS @ 7.09" = 6'-6"
SUSPENDED GYP. BD CEILING PER 1 / TD8 TYP.
13 / TD14
13'-0"
13'-0"
2'-6"
15 / A1011
10 / A1011
NOTE: PROVIDE ELEVATOR CALL BUTTONS PER 14 / TD14
11 RISERS @ 7.09" = 6'-6"
FOYER
1011
2'-9"
PIT LADDER 27 / TD14
ELEV.
1008
MEN
1007
MEN
1007
WOMEN
1006
0'-0"
8 / A1011
± 4'-0" PIT COORDINATE W/ ELEVATOR MFR.
WATERPROOF MEMBRANE TYP ALL SIDES
FOR FTG DETAILS @ PIT SEE 18 / S1014 & 20 / S1014
62
63
64
66
67
68

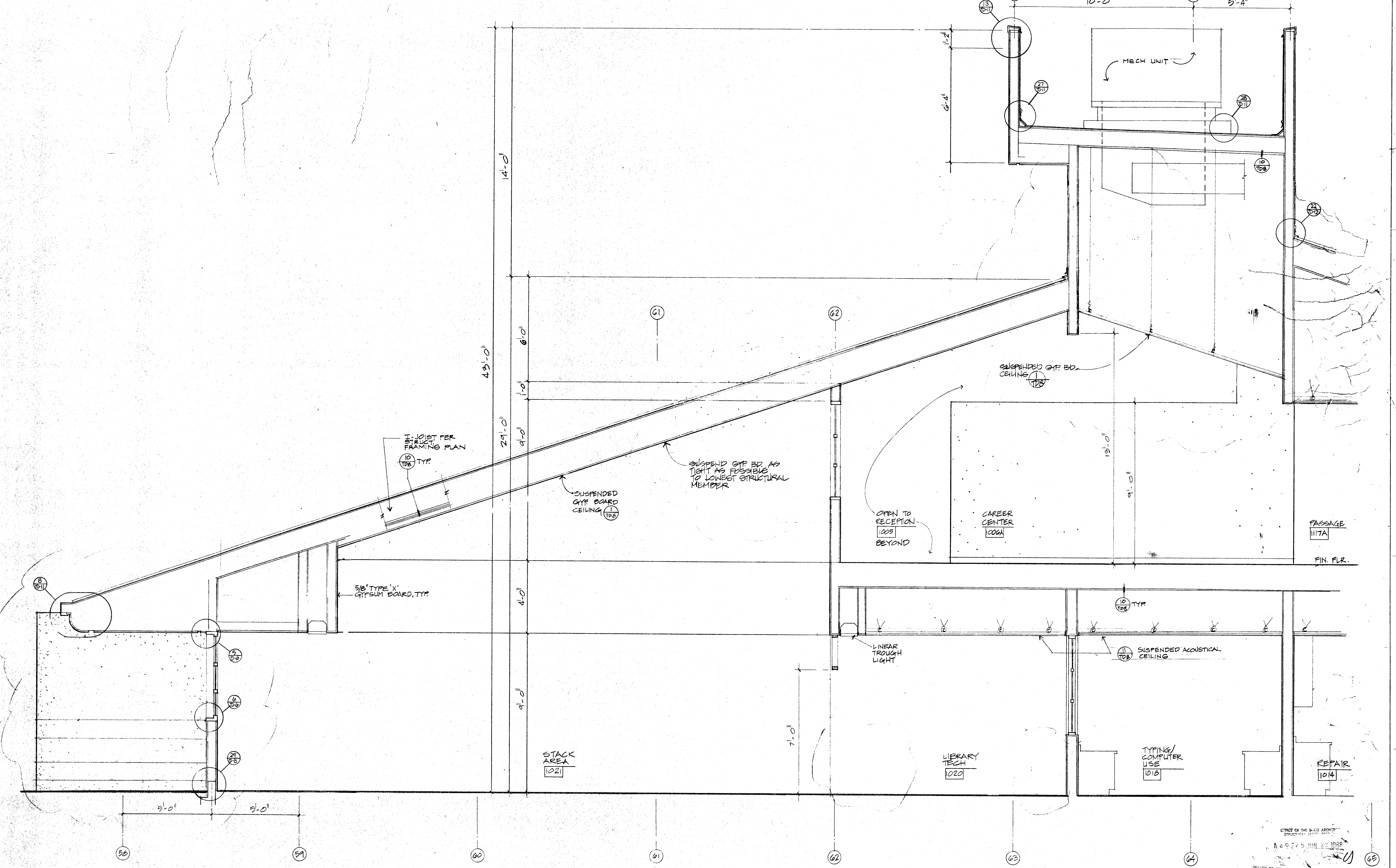
A / A1007 SECTION
1/2" = 1'-0"

APPROVED
FIRE AND PANIC ONLY
JUN 20 1988
BS
STATE FIRE MARSHAL
SOUTHERN REGION

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49 2 JUN 22 1988

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
4927 MAY 4 '88

Drawn By Checked By Date MAR 1988 Commission No. 13002	Revisions △ 9/29/88 PHASING ADDENDUM 'D' 10/6/88	Architects Planners RUHNAU McGAVIN RUHNAU/ASSOCIATES 3775 Tenth Street Riverside, CA 92501-3669 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-1995 619/438-5899	ARCHITECT C-6497	West Hills High School Grossmont Union High School District San Diego, Ca San Diego County	Library/Guidance Center Bldg. No. 10 Wall Section	Sheet Number A-1007 Of Sheets


63
64
10'-0"
5'-4"
13 TD-11
1'-2"
6'-4"
MECH UNIT
27 TD-11
28 TD-11
10 TD8
22 TD-12
14'-0"
43'-0"
6'-0"
61
62
SUSPENDED GYP. BD. CEILING 1 TD8
1'-0"
9'-0"
29'-0"
I-JOIST PER STRUCT. FRAMING PLAN
10 TD8 TYP.
SUSPEND GYP. BD. AS TIGHT AS POSSIBLE TO LOWEST STRUCTURAL MEMBER
SUSPENDED GYP. BOARD CEILING 1 TD8
13'-0"
9'-0"
OPEN TO RECEPTION 1005 BEYOND
CAREER CENTER 1006A
PASSAGE 1117A
FIN. FLR.
8 TD-11
5/8" TYPE 'X' GYPSUM BOARD, TYP.
4'-0"
10 TD8 TYP.
5 TD-6
LINEAR TROUGH LIGHT
11 TD8 SUSPENDED ACOUSTICAL CEILING
6 TD-6
9'-0"
7'-0"
29 TD-6
STACK AREA 1021
LIBRARY TECH 1020
TYPING/ COMPUTER USE 1018
REPAIR 1014
5'-0"
5'-0"
58
59
60
61
62
63
64
65

A A1008 SECTION
1/2" = 1'-0"

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988

OFFICE OF THE STATE ARCHITECT
49275 MAY 2 '88

Drawn By
Checked By
Date MAR 1988
Commission No. 13002

Revisions
A 6/29/88 PHASING
ADDENDUM 'D' 10/6/88

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664
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Carlsbad, CA 92008-1995
619/438-5899

ARCHITECT
C-6497

West Hills High School
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San Diego, Ca San Diego County

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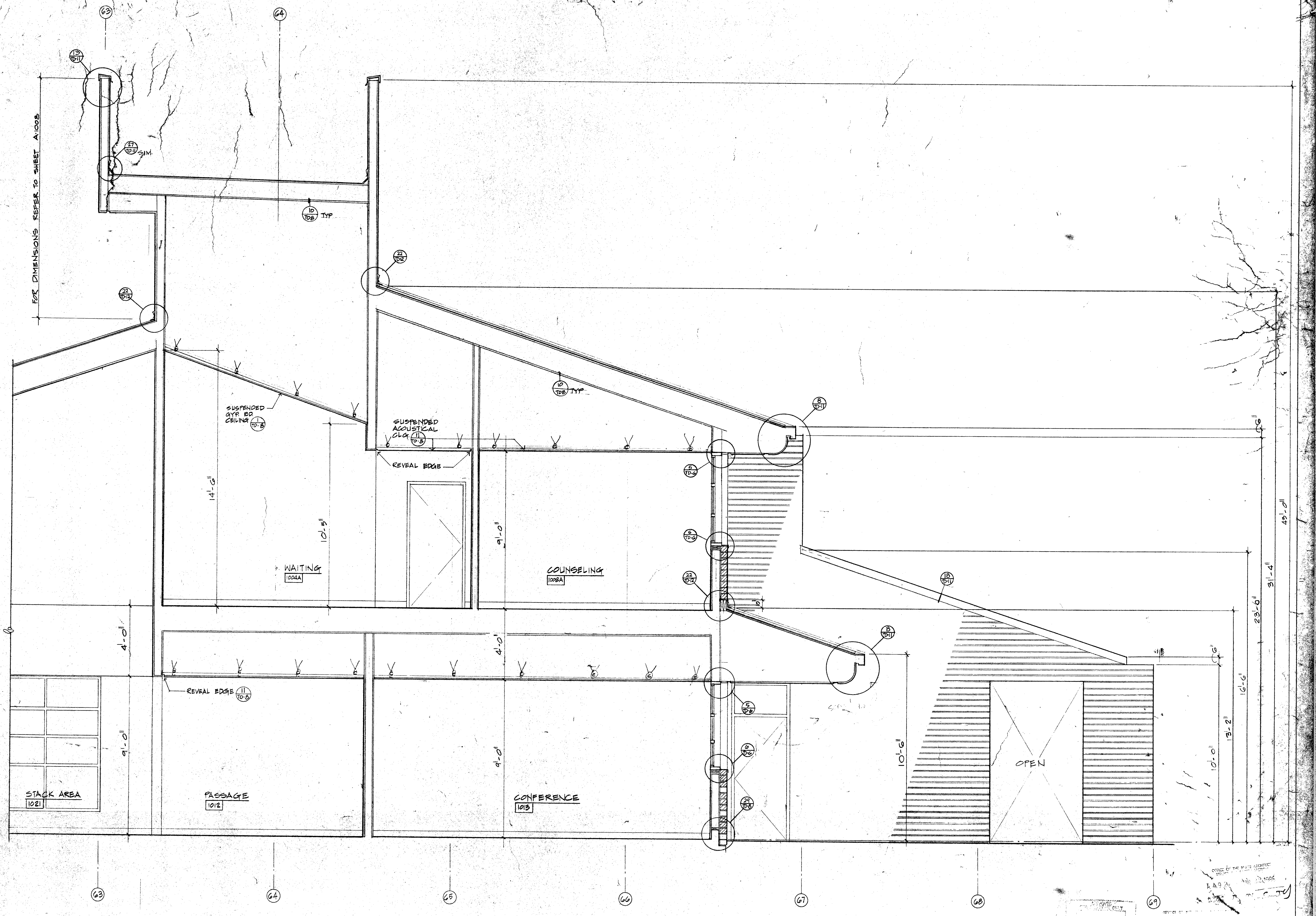
Bldg. No. 10
Wall Section

Sheet Number
A-1008
Of Sheets


63
64
65
66
67
68
69
FOR DIMENSIONS REFER TO SHEET A1008
13 TD-11
27 TD-11 SIM.
10 TD8 TYP
22 TD-12
SUSPENDED GYP. BD. CEILING 1 TD-8
SUSPENDED ACOUSTICAL CLG. 11 TD-8
REVEAL EDGE
8 TD-11
5 TD-6
6 TD-6
22 TD-12
18 TD-11
REVEAL EDGE 11 TD-8
29 TD-6
14'-0"
10'-5"
9'-0"
4'-0"
10'-6"
43'-0"
31'-4"
23'-0"
16'-6"
13'-2"
10'-0"
WAITING 1004A
COUNSELING 1008A
STACK AREA 1021
PASSAGE 1012
CONFERENCE 1013
OPEN
OFFICE OF THE STATE ARCHITECT

A
A1009
SECTION
1/2" = 1'-0"

Drawn By
Checked By
Date MAR 1988
Commission No. 13002

Revisions
A 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
3775 Tenth Street
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Carlsbad, CA 92008-1995
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C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

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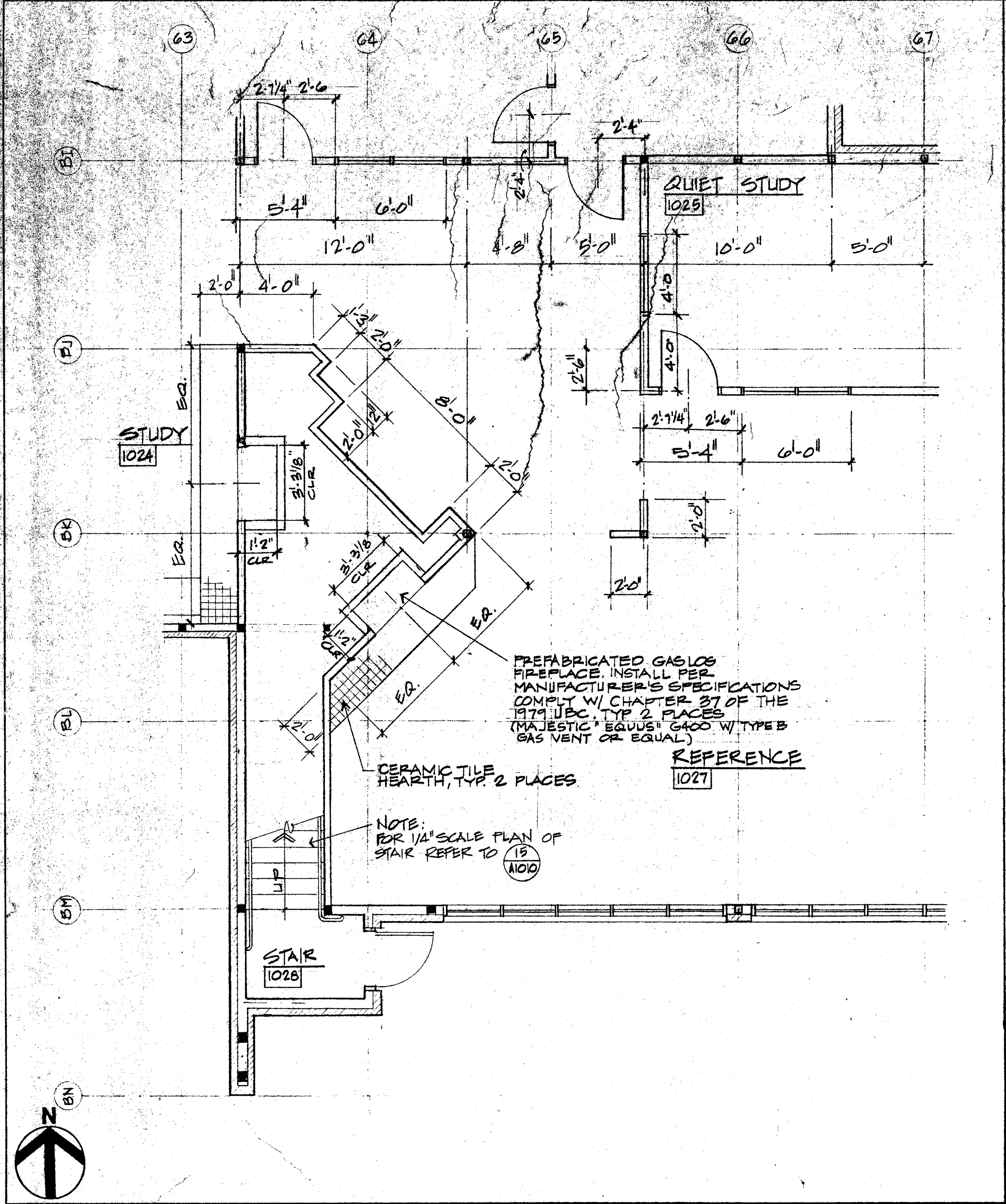
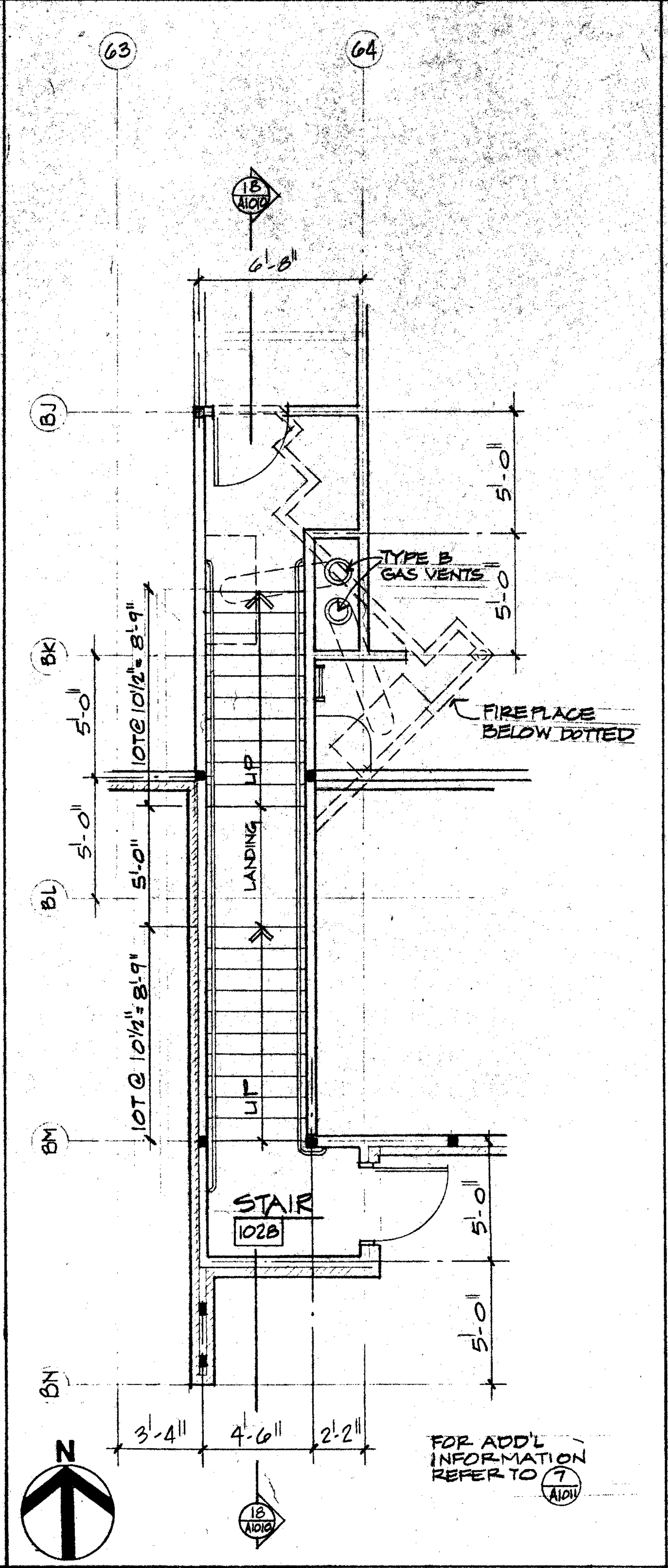
Bldg. No. 10
Wall Section

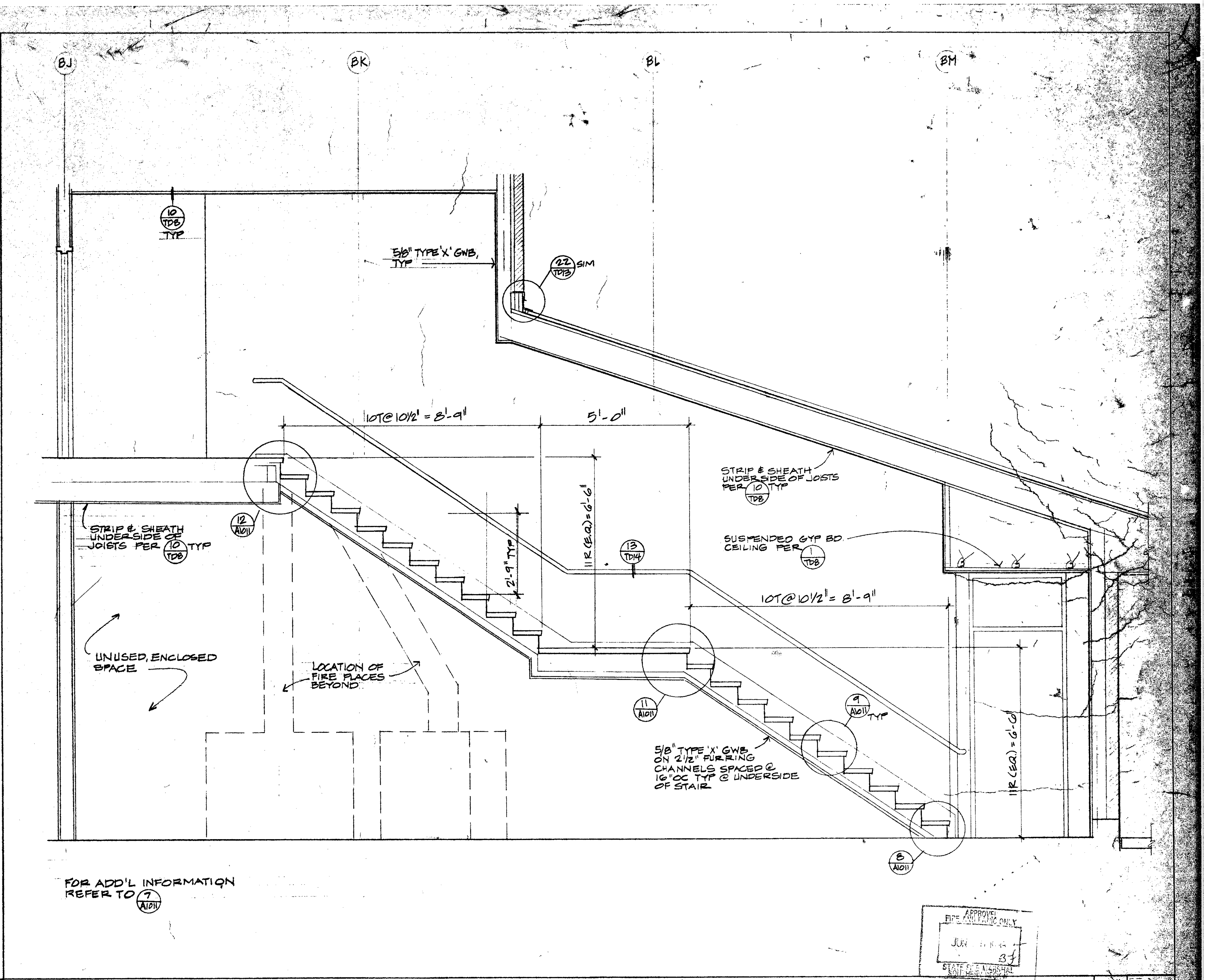
Sheet Number
A-1009
Of Sheets


63
64
65
66
67
BJ
BK
BL
BM
BN
2'-1/4"
2'-6
2'-4"
5'-4"
6'-0"
12'-0"
4'-8"
5'-0"
10'-0"
5'-0"
2'-0"
4'-0"
QUIET STUDY
1025
STUDY
1024
8'-0"
2'-0"
2'-7/4"
2'-6"
5'-4"
6'-0"
3'-3/8 CLR
1'-2" CLR
3'-3/8 CLR
E.Q.
PREFABRICATED GAS LOG FIREPLACE. INSTALL PER MANUFACTURER'S SPECIFICATIONS COMPLY W/ CHAPTER 37 OF THE 1979 UBC. TYP 2 PLACES (MAJESTIC "EQUUS" G400 W/ TYPE B GAS VENT OR EQUAL)
REFERENCE
1027
CERAMIC TILE HEARTH, TYP. 2 PLACES
NOTE: FOR 1/4" SCALE PLAN OF STAIR REFER TO 15 A1010
UP
STAIR
1028
N

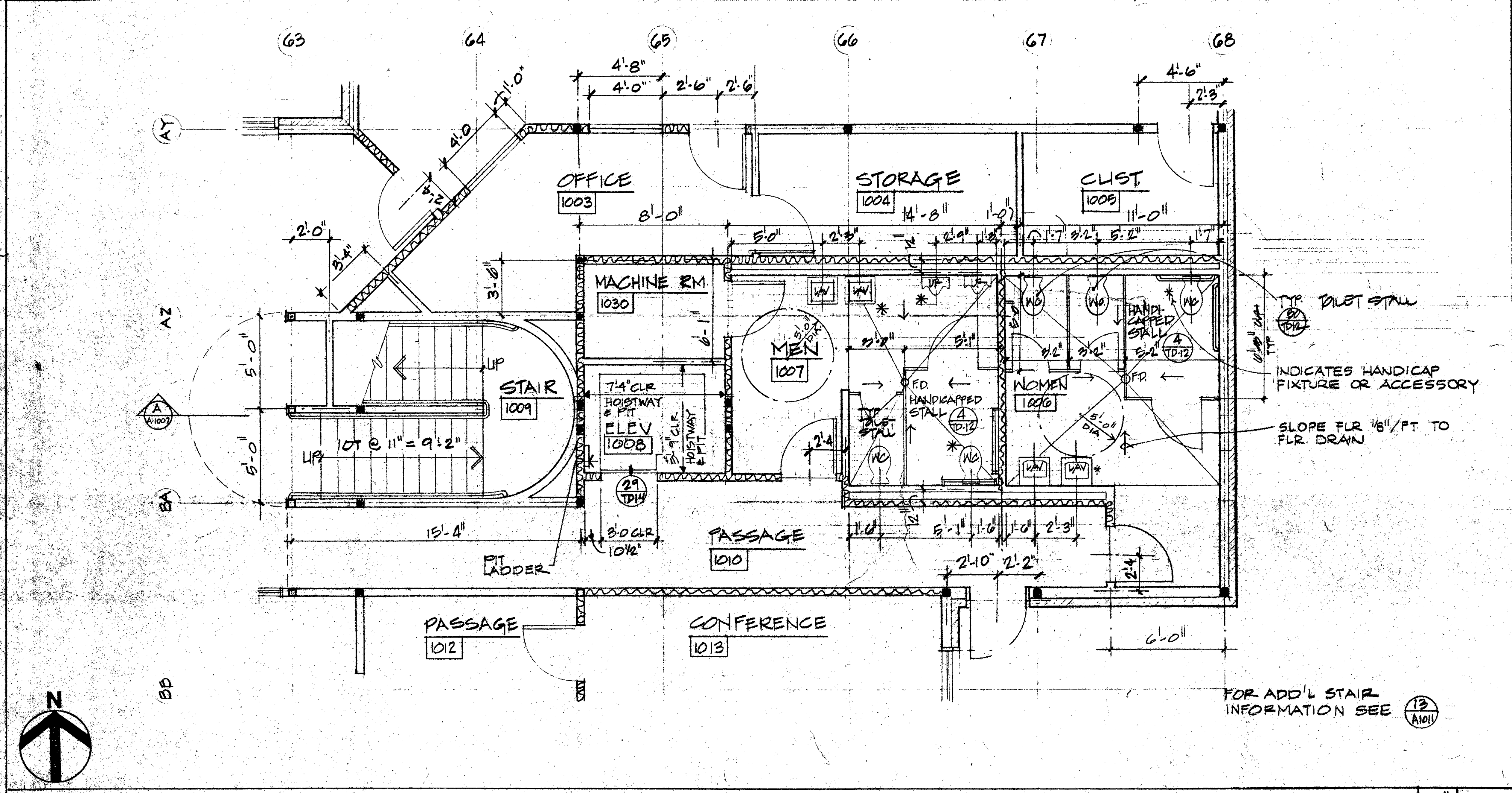
PARTIAL FLOOR PLAN 1/4" **14**


63
64
15 A1010
6'-8"
BJ
BK
BL
BM
BN
5'-0"
5'-0"
TYPE B GAS VENTS
FIREPLACE BELOW DOTTED
10T @ 10 1/2" = 8'-9"
UP
LANDING
UP
5'-0"
5'-0"
STAIR
1028
5'-0"
5'-0"
3'-4"
4'-6"
2'-2"
18 A1010
FOR ADD'L INFORMATION REFER TO 7 A1011
N

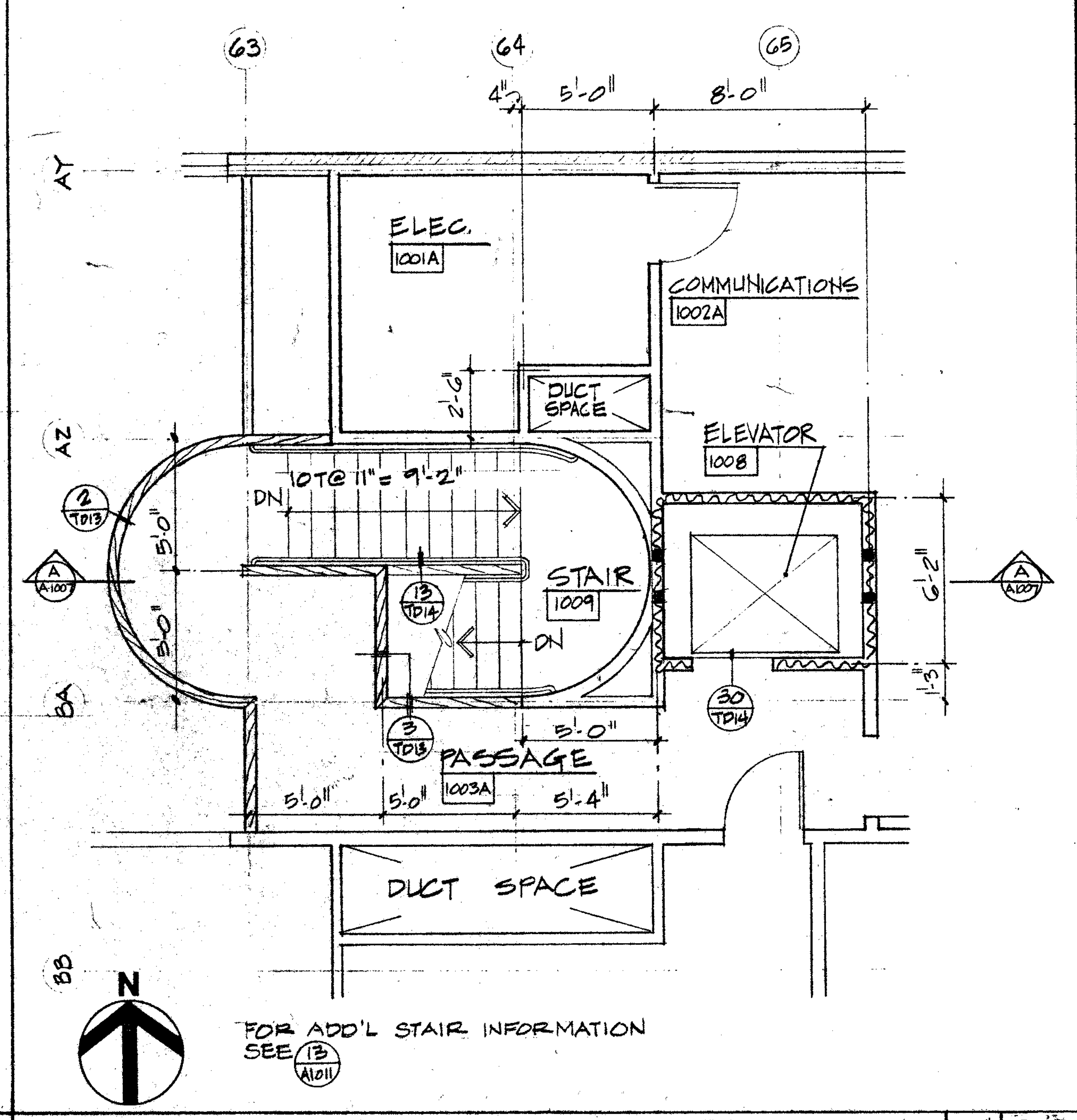
PLAN- STAIR 1028 1/4" **15**


BJ
BK
BL
BM
10 TD8 TYP
5/8" TYPE 'X' GWB, TYP
22 TD13 SIM
10T @ 10 1/2" = 8'-9"
5'-0"
STRIP & SHEATH UNDERSIDE OF JOISTS PER 10 TD8 TYP
SUSPENDED GYP BD CEILING PER 1 TD8
12 A1011
STRIP & SHEATH UNDERSIDE OF JOISTS PER 10 TD8 TYP
2'-9" TYP
11R (12.2) = 6'-6"
13 TD14
10T @ 10 1/2" = 8'-9"
UNUSED, ENCLOSED SPACE
LOCATION OF FIRE PLACES BEYOND
11 A1011
9 A1011 TYP
5/8" TYPE 'X' GWB ON 7/8" FURRING CHANNELS SPACED @ 16" OC TYP @ UNDERSIDE OF STAIR
11R (12.2) = 6'-0"
8 A1011
FOR ADD'L INFORMATION REFER TO 7 A1011
APPROVED
JUN

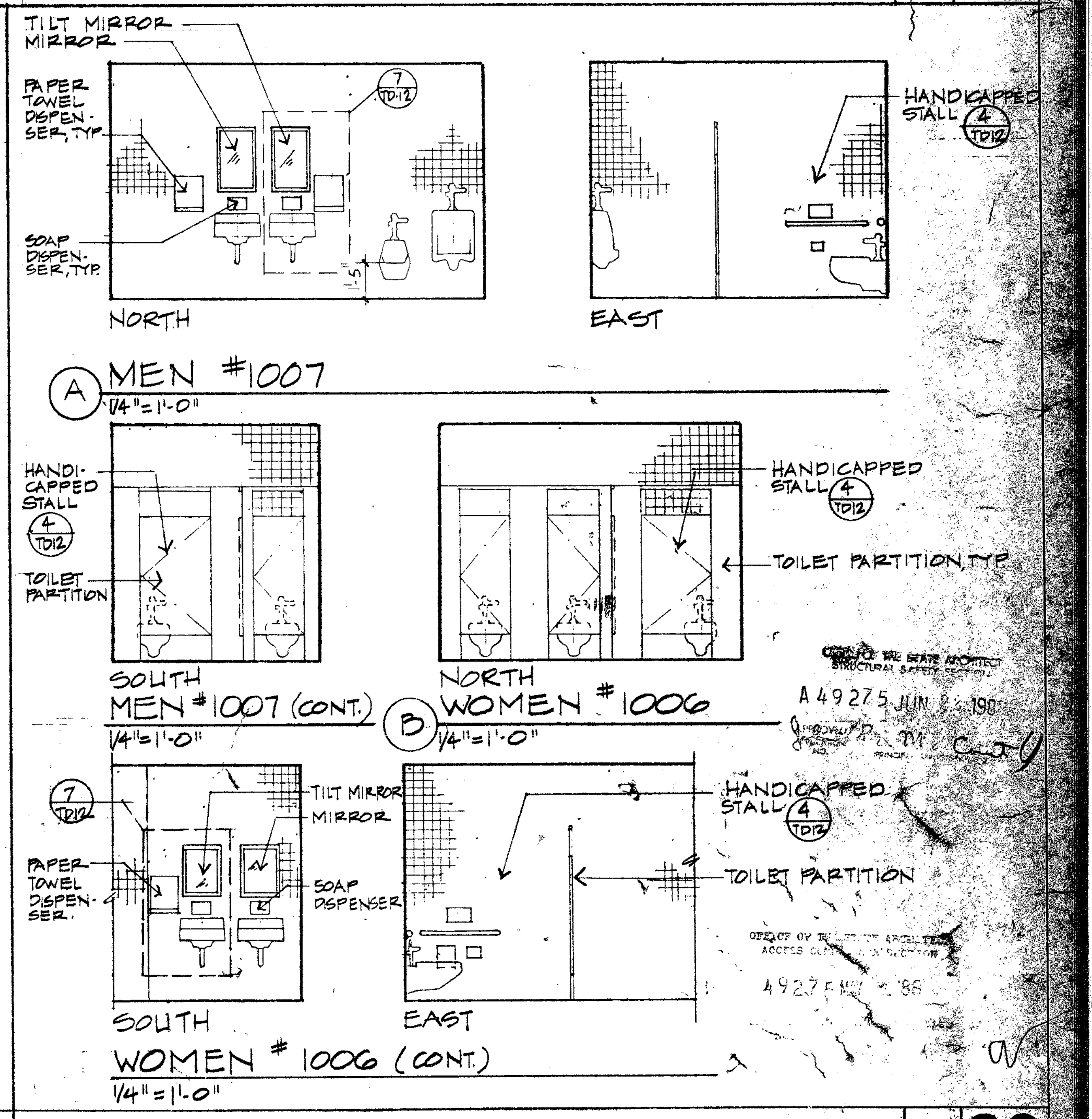
STAIR 1028 SECTION 1/2" **18**


63
64
65
66
67
68
AY
AZ
BA
BB
4'-8"
4'-0"
2'-6"
2'-6
4'-6"
2'-3"
4'-0
2'-0"
3'-6"
OFFICE
1003
8'-0"
STORAGE
1004
14'-8"
CUST.
1005
11'-0"
MACHINE RM.
1030
MEN
1007
HANDICAPPED STALL 4 TD12
WOMEN
1006
HANDICAPPED STALL 4 TD12
TYP TOILET STALL
INDICATES HANDICAP FIXTURE OR ACCESSORY
SLOPE FLR 1/8"/FT TO FLR. DRAIN
F.D.
STAIR
1009
UP
UP
10T @ 11" = 9'-2"
5'-0"
5'-0"
7'-4" CLR HOISTWAY & PIT
ELEV
1008
29 TD14
15'-4"
8'-0 CLR
10'-6"
PASSAGE
1010
PIT LADDER
PASSAGE
1012
CONFERENCE
1013
6'-0"
FOR ADD'L STAIR INFORMATION SEE 13 A1011
A A1007
N

PARTIAL FIRST FLOOR PLAN 1/4" **27**


63
64
65
5'-0"
8'-0"
AY
AZ
BA
BB
ELEC.
1001A
COMMUNICATIONS
1002A
DUCT SPACE
ELEVATOR
1008
2 TD13
DN
10T @ 11" = 9'-2"
5'-0"
5'-0"
13 TD14
STAIR
1009
DN
6'-2"
30 TD14
3 TD13
PASSAGE
1003A
5'-0"
5'-0"
5'-4"
DUCT SPACE
A A1007
FOR ADD'L STAIR INFORMATION SEE 13 A1011
N

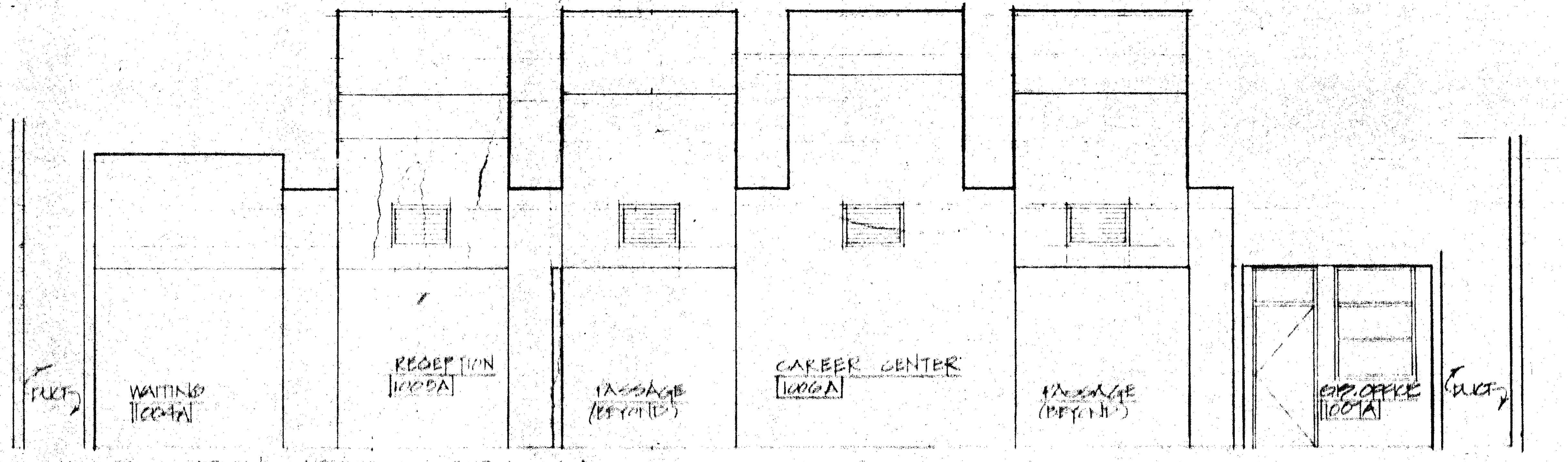
SECOND FLOOR PLAN - STAIR 1009 1/4" **28**


TILT MIRROR
MIRROR
PAPER TOWEL DISPENSER, TYP
SOAP DISPENSER, TYP
7 TD12
HANDICAPPED STALL 4 TD12
NORTH
EAST
A MEN #1007
1/4"=1'-0"
HANDICAPPED STALL 4 TD12
TOILET PARTITION
HANDICAPPED STALL 4 TD12
TOILET PARTITION, TYP
SOUTH
MEN #1007 (CONT.)
1/4"=1'-0"
NORTH
B WOMEN #1006
1/4"=1'-0"
7 TD12
TILT MIRROR
MIRROR
PAPER TOWEL DISPENSER
SOAP DISPENSER
HANDICAPPED STALL 4 TD12
TOILET PARTITION
SOUTH
EAST
WOMEN # 1006 (CONT.)
1/4"=1'-0"
A 49275 JUN 8 1988

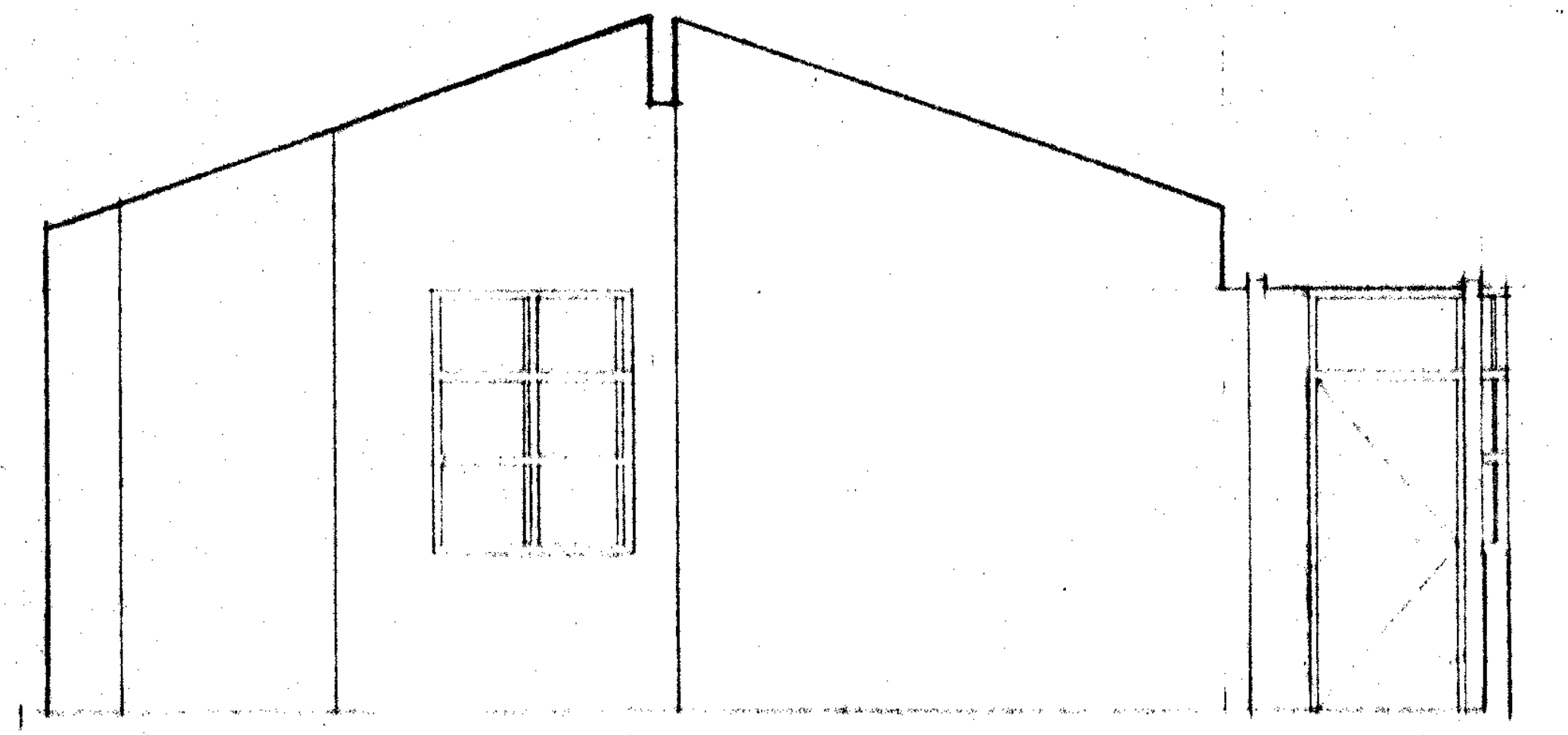
TOILET ELEVATIONS **30**

Drawn By Checked By Date MAR 1988 Commission No. 13002	Revisions A 6/29/88 PHASING	Architects Planners RUHNAU McGAVIN RUHNAU/ASSOCIATES 3775 Tenth Street Riverside, CA 92501-3669 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-1995 619/438-5899	ARCHITECT C-6497	West Hills High School Grossmont Union High School District San Diego, Ca San Diego County	Library/Guidance Center Bldg. No. 10 1/4" Stair/Toilet Plans & Tiolet Elevations

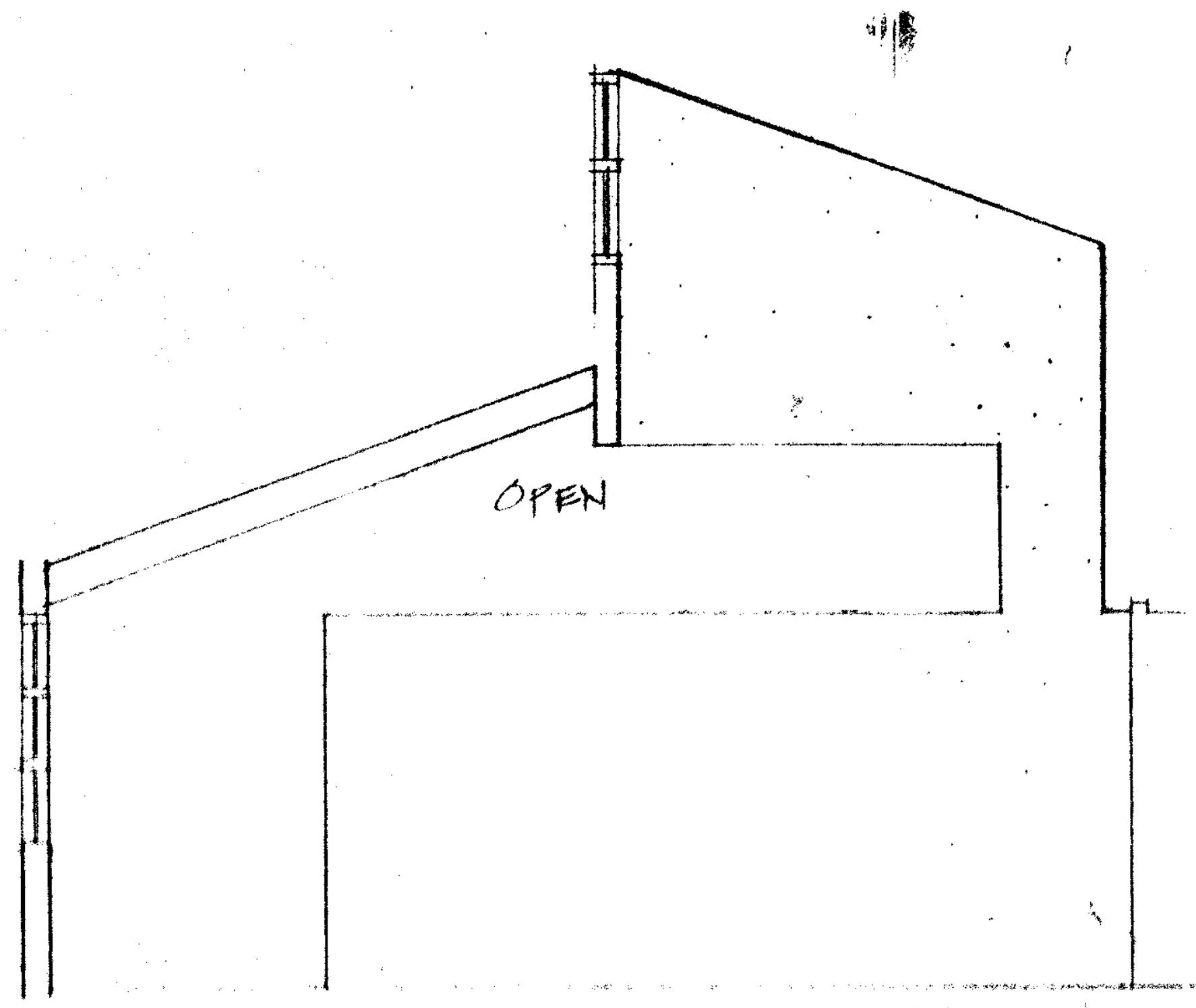
Sheet Number A-1010 Of Sheets


DUCT
WAITING 1004A
RECEPTION 1005A
PASSAGE
CAREER CENTER 1006A
PASSAGE
EVAL. OFFICE 1007A
DUCT

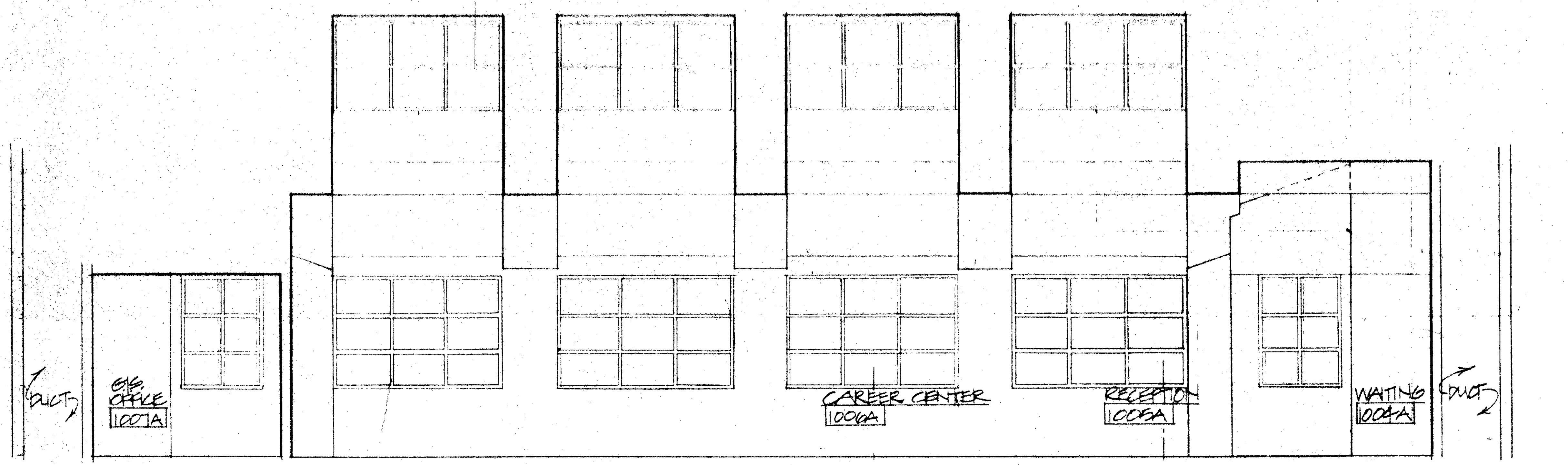
1 A1011 EAST ELEVATION-CAREER CENTER 1006A



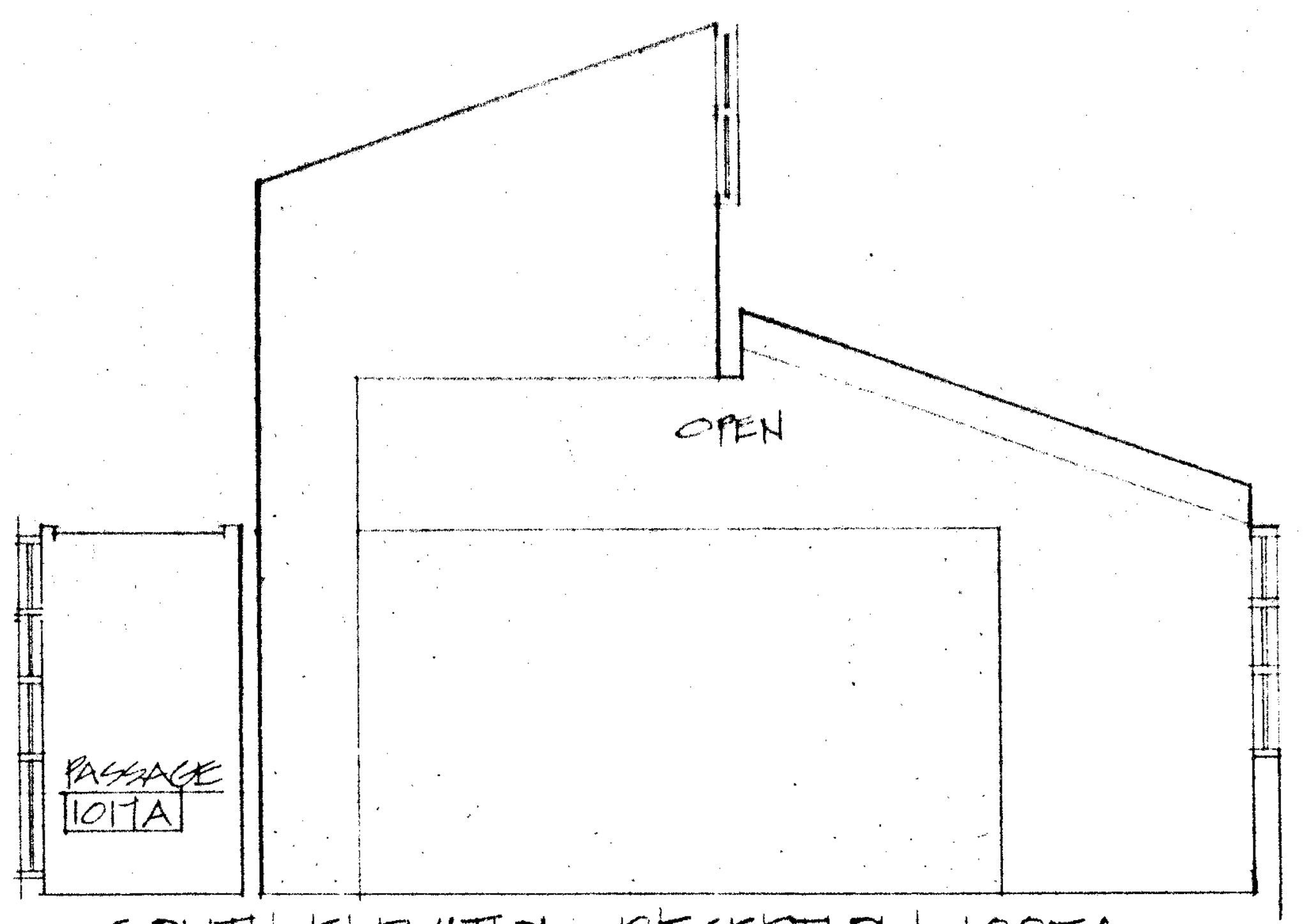
2 A1011 NORTH ELEVATION-WAITING 1004A



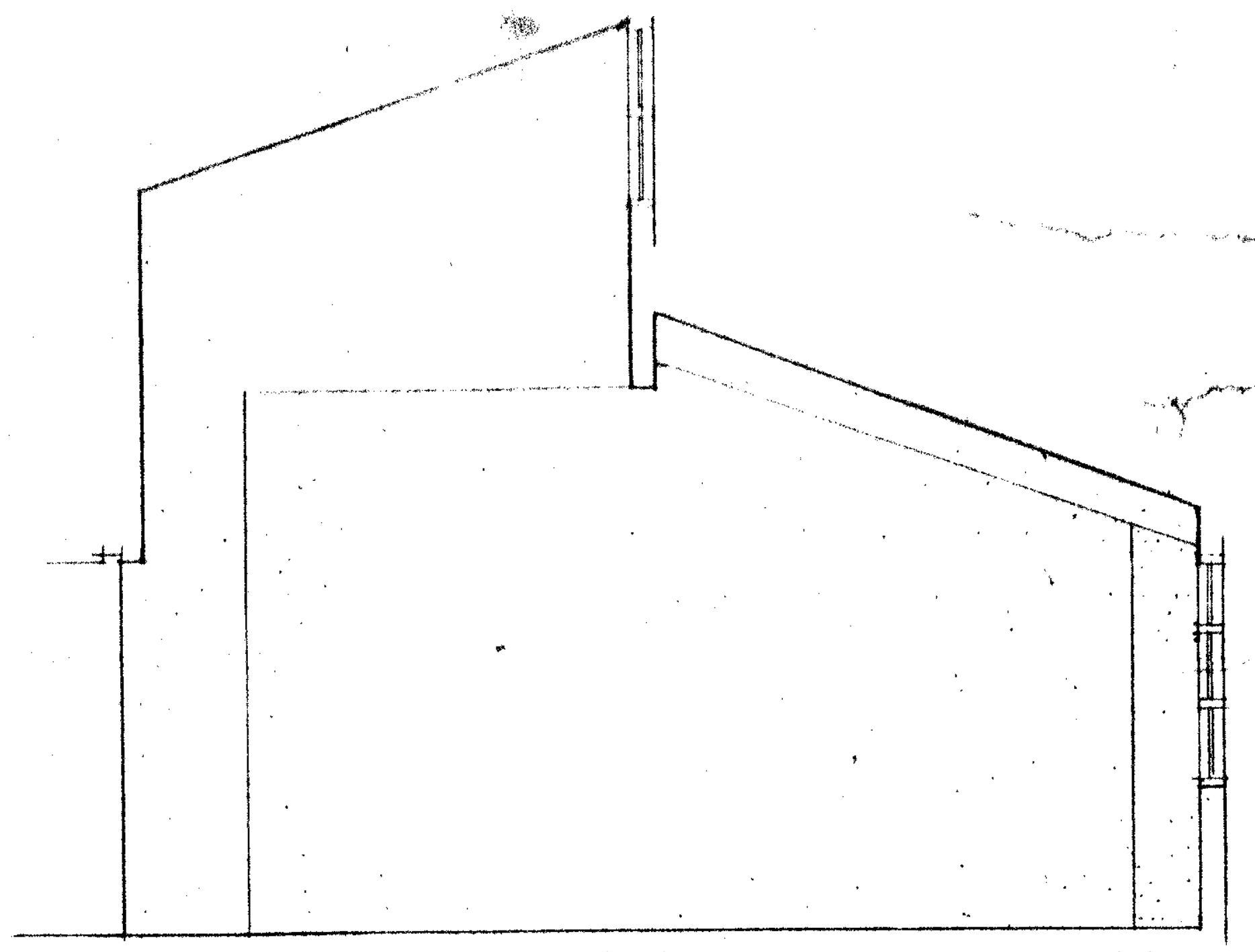
3 A1011 NORTH ELEVATION-CAREER CENTER 1006A


DUCT
EVAL. OFFICE 1007A
CAREER CENTER 1006A
RECEPTION 1005A
WAITING 1004A
DUCT

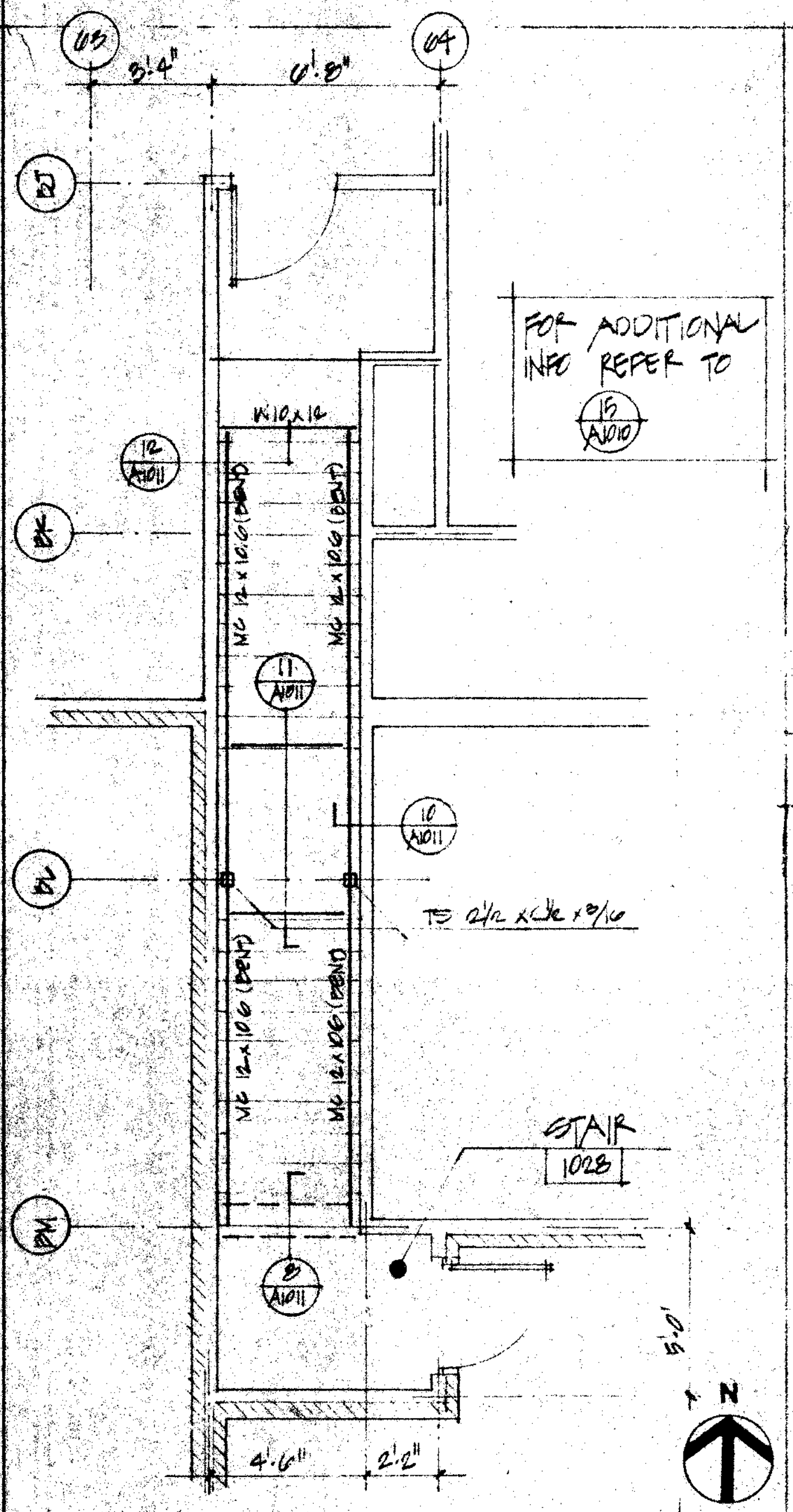
4 A1011 WEST ELEVATION-CAREER CENTER 1006A


OPEN
PASSAGE 1011A

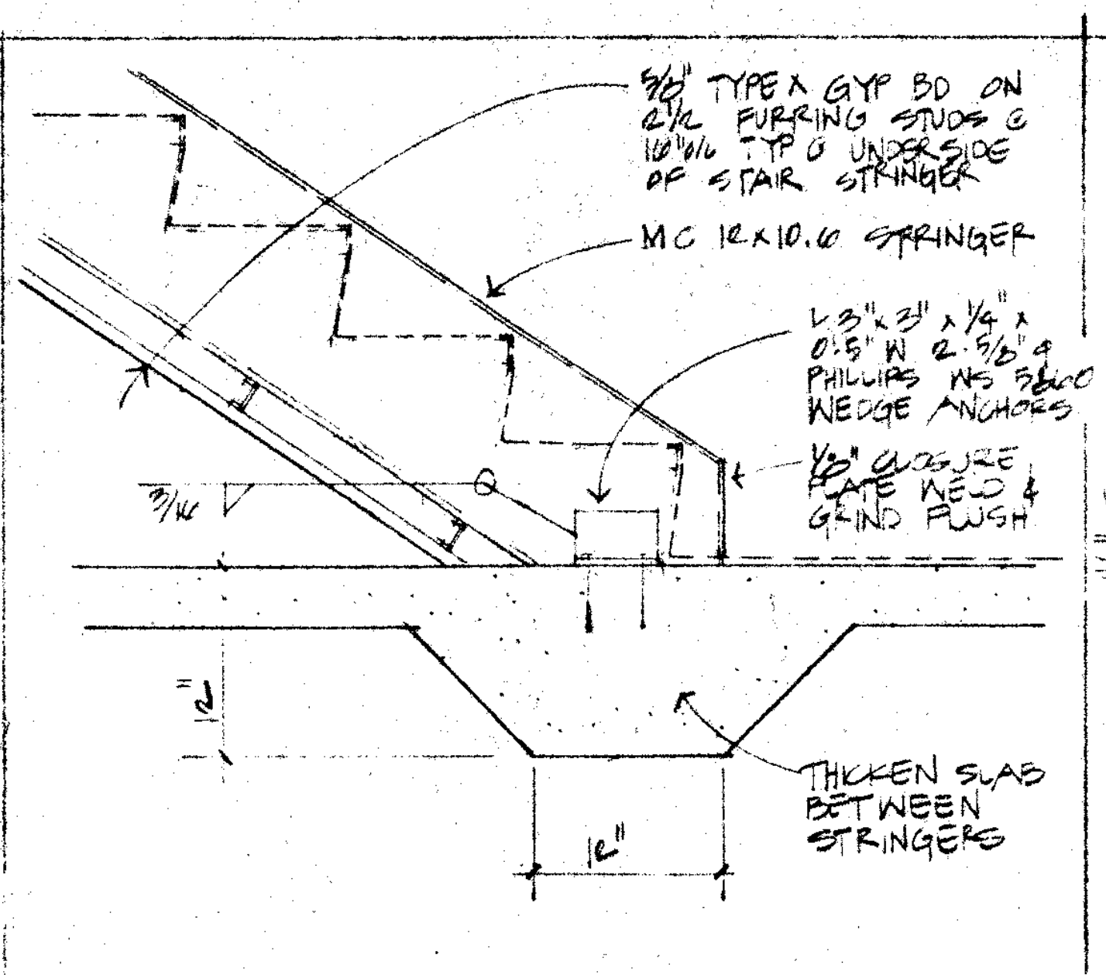
5 A1011 SOUTH ELEVATION-RECEPTION 1005A



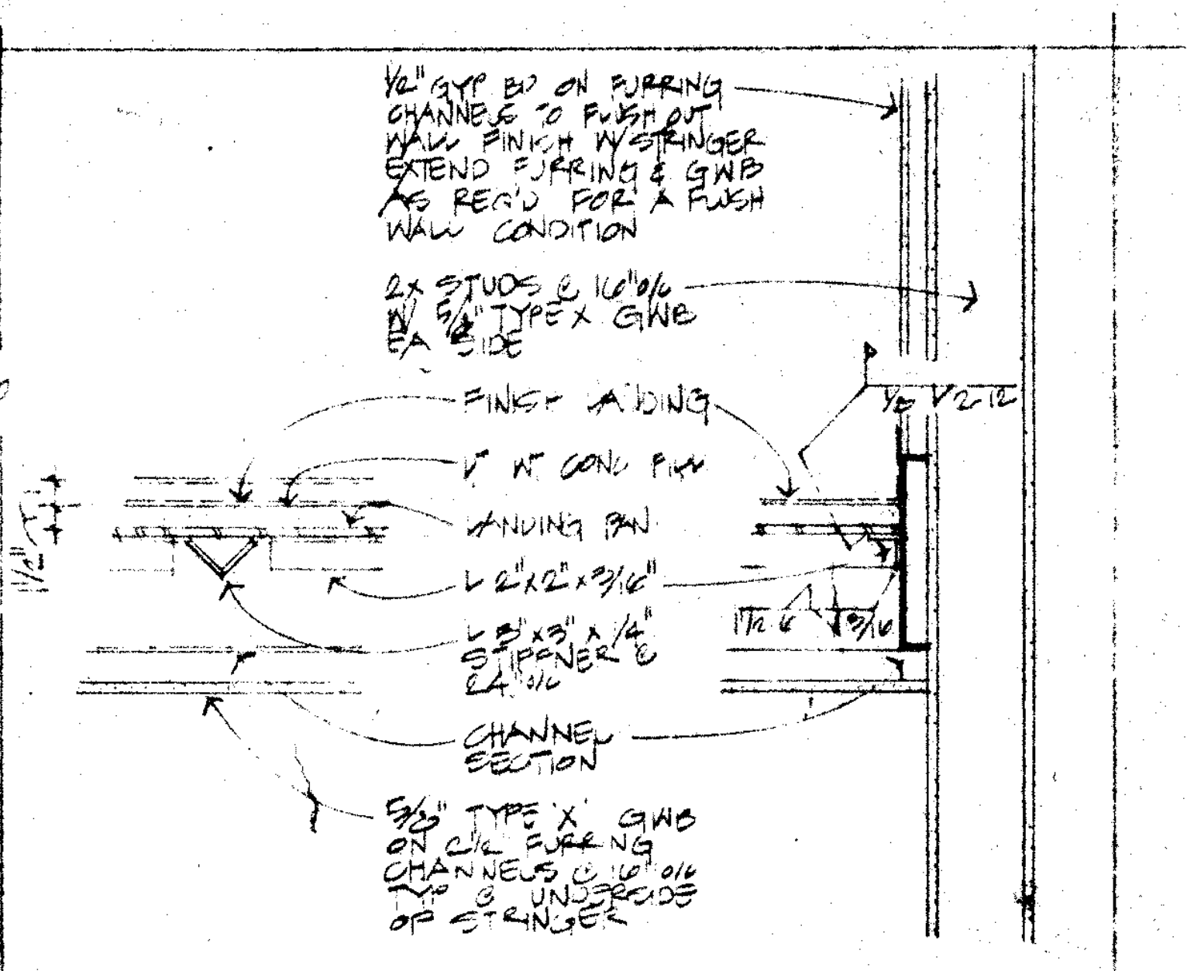
6 A1011 SOUTH ELEVATION-CAREER CENTER 1006A


FOR ADDITIONAL INFO REFER TO 15 A1011
STAIR 1028
TS 6x6x3/16

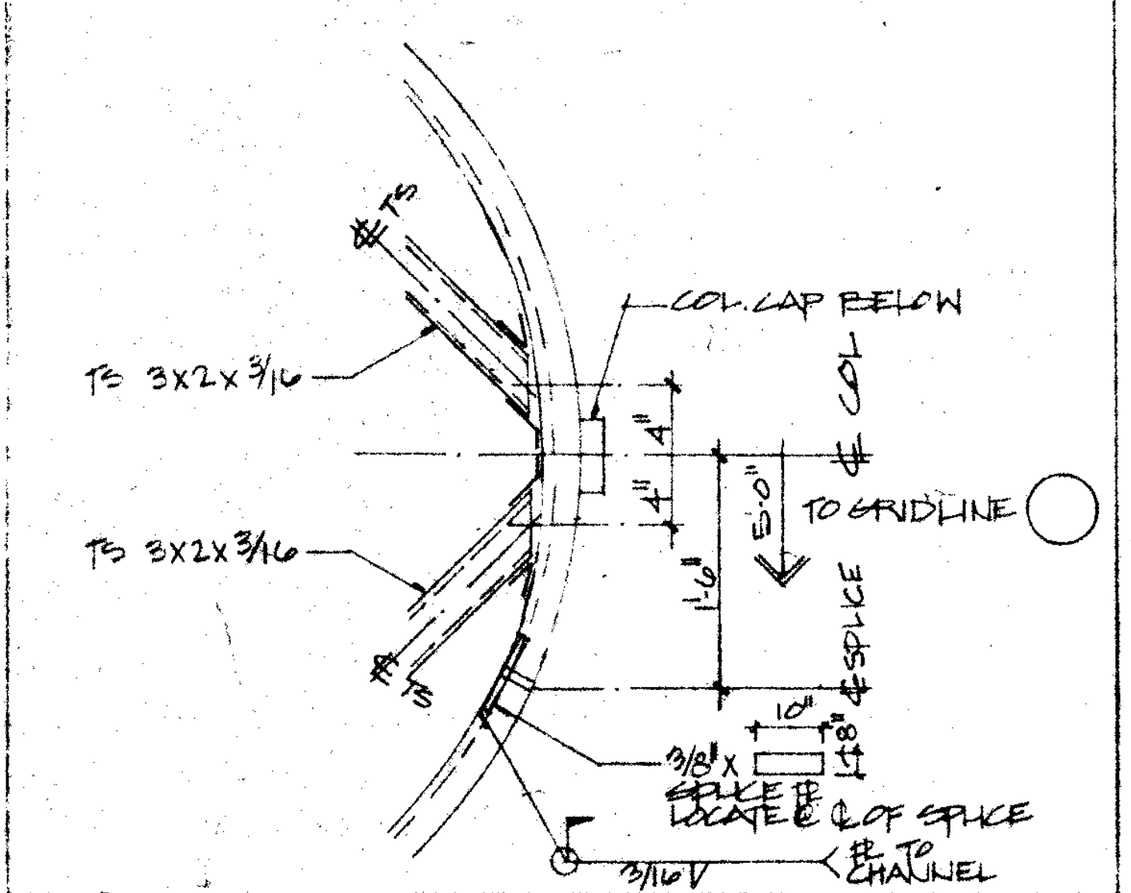
PARTIAL SECOND FLOOR FRAMING PLAN 1/4" 7


5/8" TYPE X GYP BD ON 6/4 FURRING STUDS @ 16" O.C. TYP @ UNDERSIDE OF STAIR STRINGER
MC 12x10.6 STRINGER
THICKEN SLAB BETWEEN STRINGERS

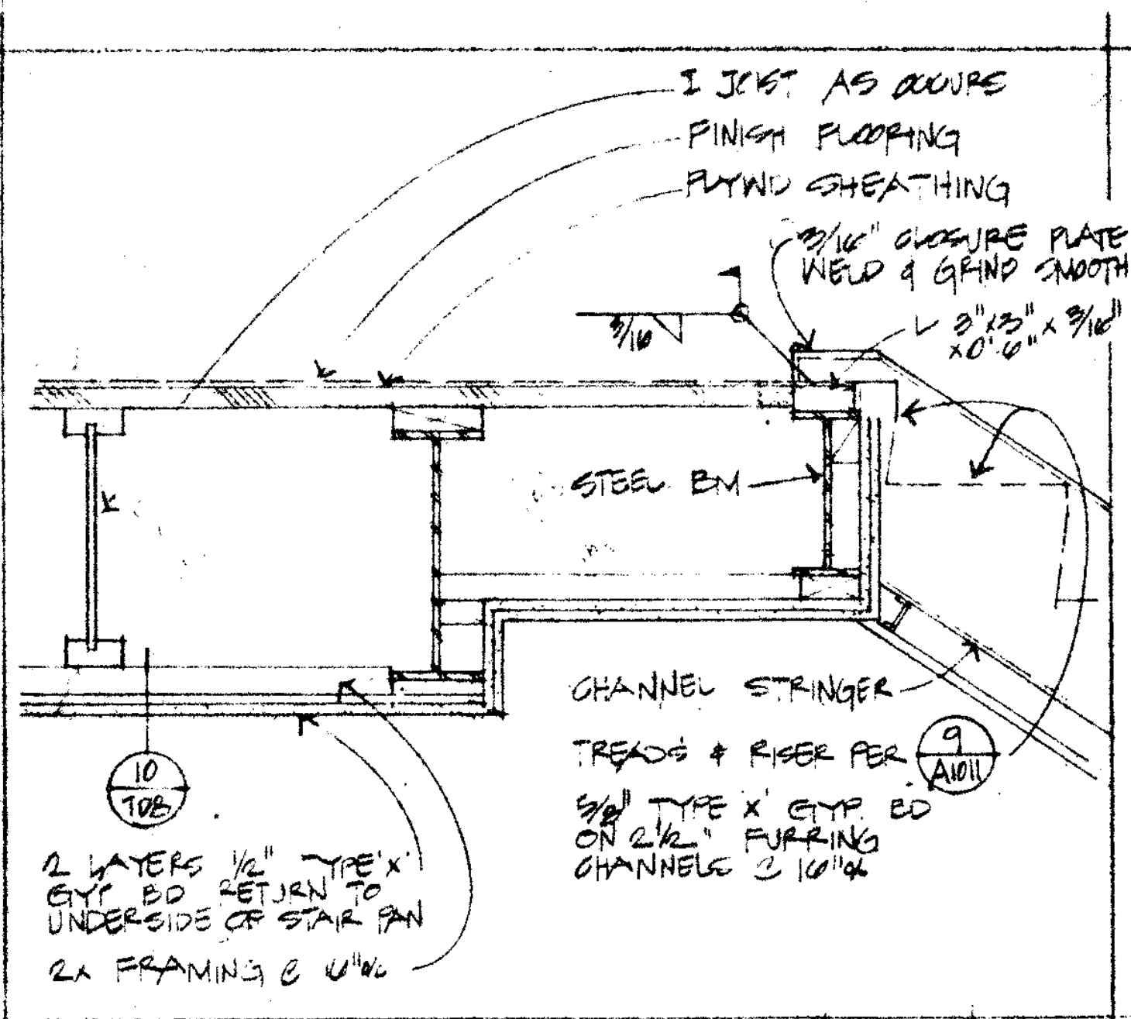
CONNECTION @ SLAB 1" 8


FINISH FLOORING
LANDING PAN
CHANNEL SECTION

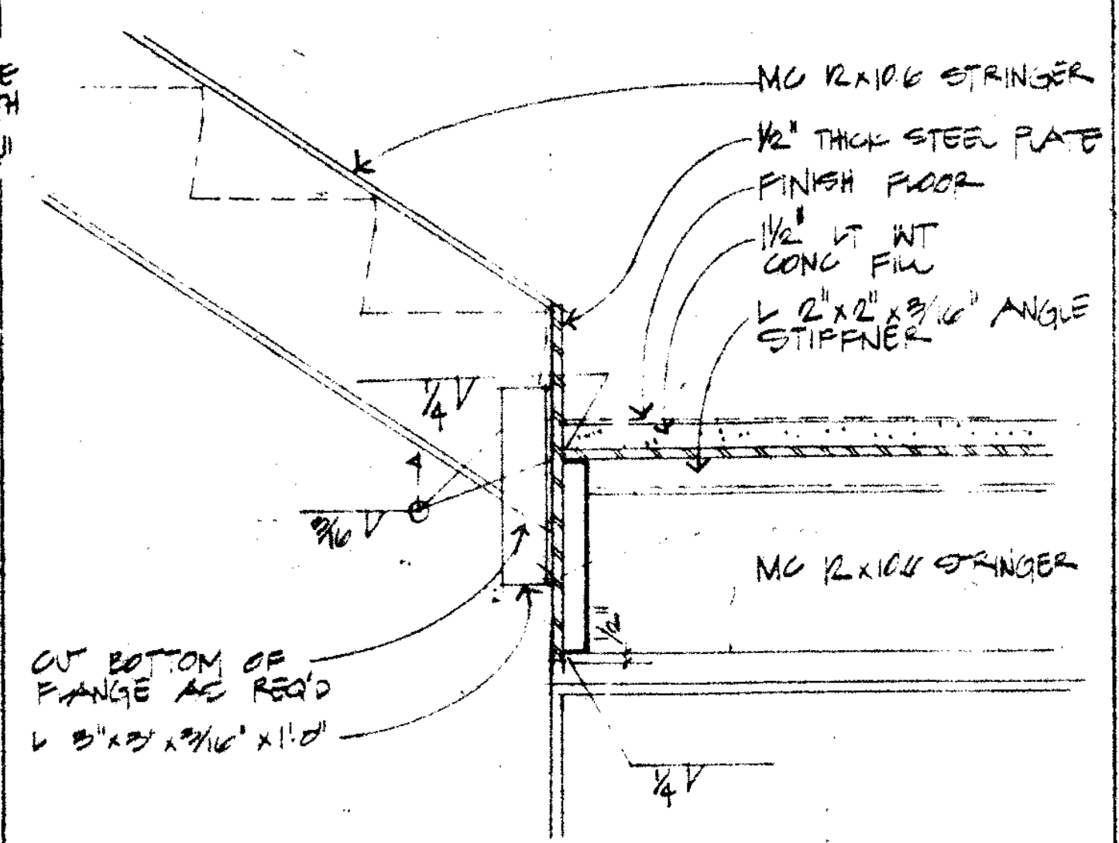
TYP. INTERMEDIATE LANDING 1" 10


COL. CAP BELOW
TS 3x2x3/16
TO GRIDLINE
SPLICE

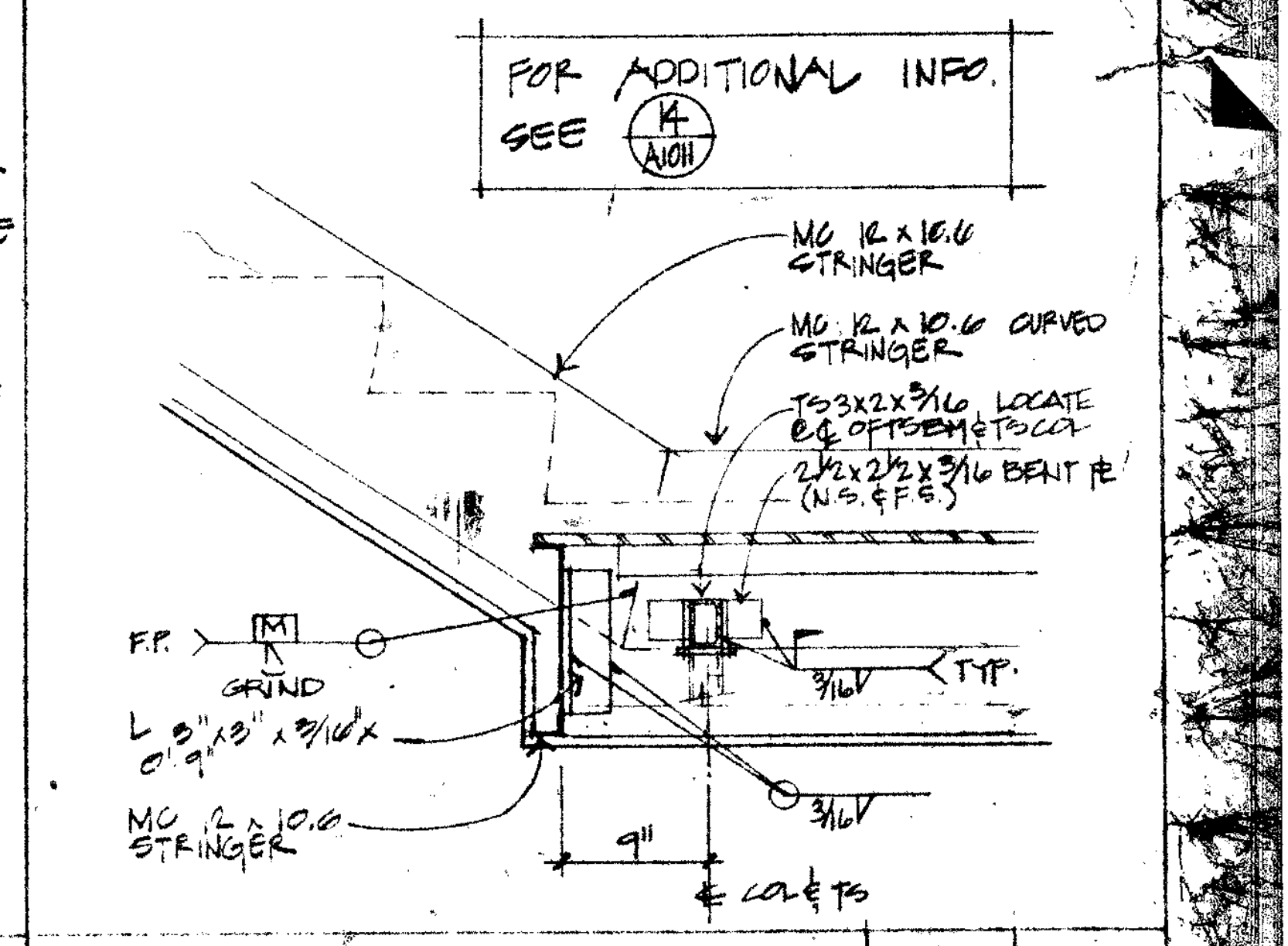
LOWER LANDING FRAMING SPLICE NTS 11


I JOIST AS REQ'D
FINISH FLOORING
PLYWD SHEATHING
STEEL BM
CHANNEL STRINGER
TREADS & RISER PER 9 A1011

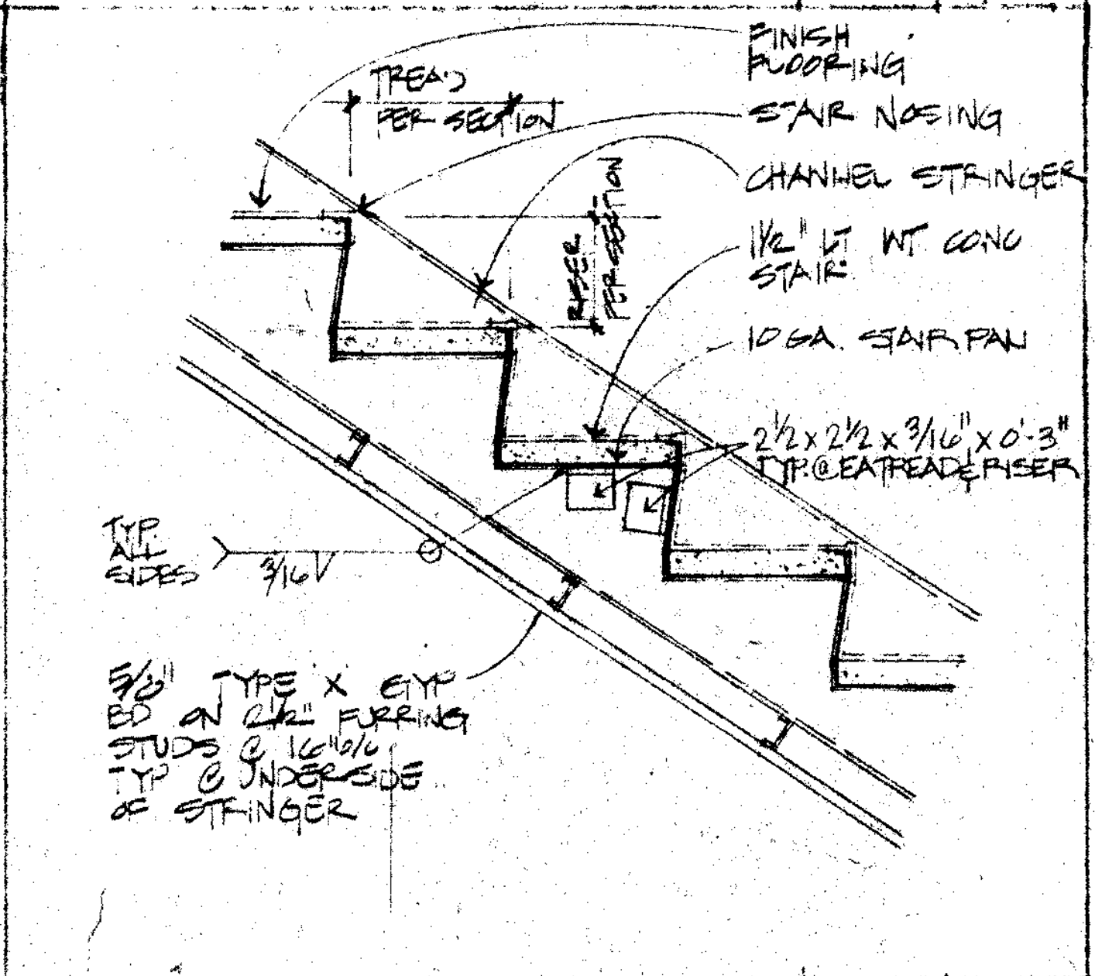
CONNECTION @ TOP LANDING 1" 12


MC 12x10.6 STRINGER
1/4" THICK STEEL PLATE
FINISH FLOOR
MC 12x10.6 STRINGER

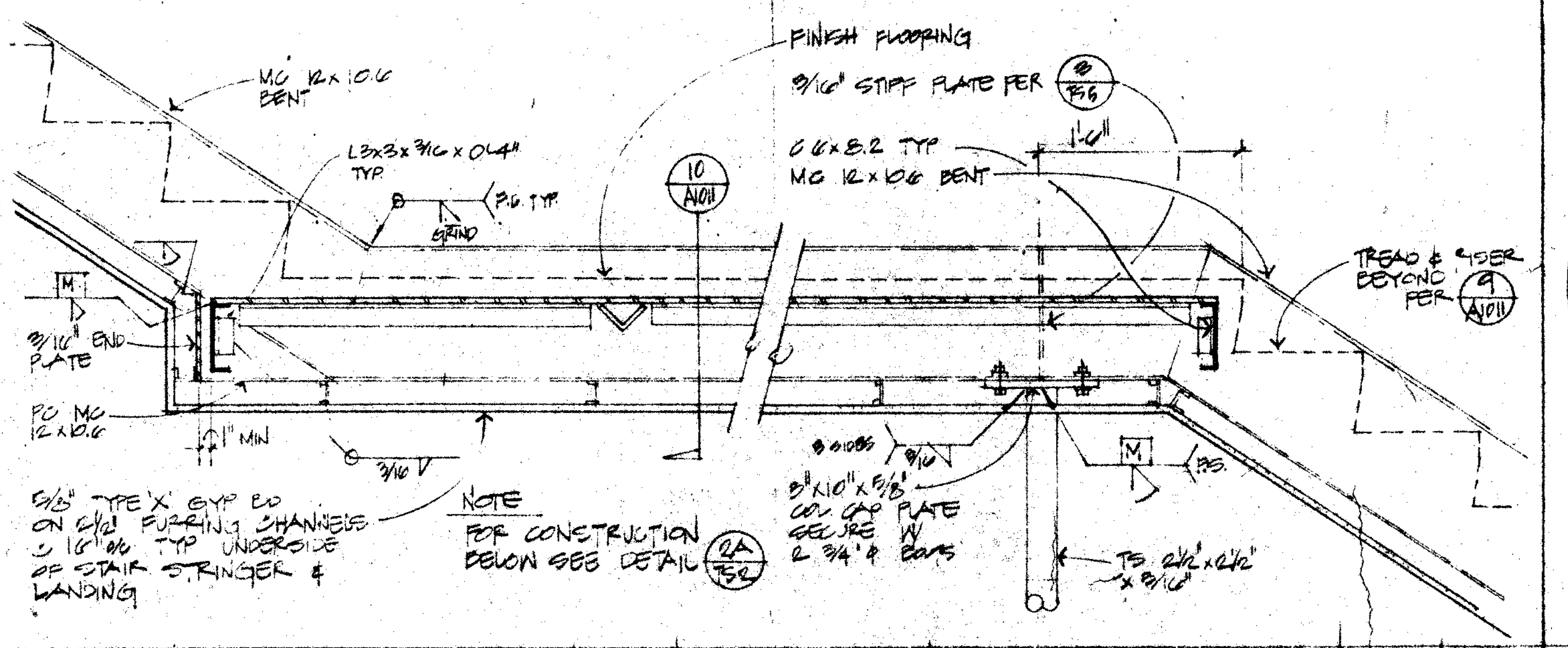
LANDING DETAIL 1" 14


FOR ADDITIONAL INFO. SEE 14 A1011
MC 12x10.6 STRINGER
MC 12x10.6 CURVED STRINGER

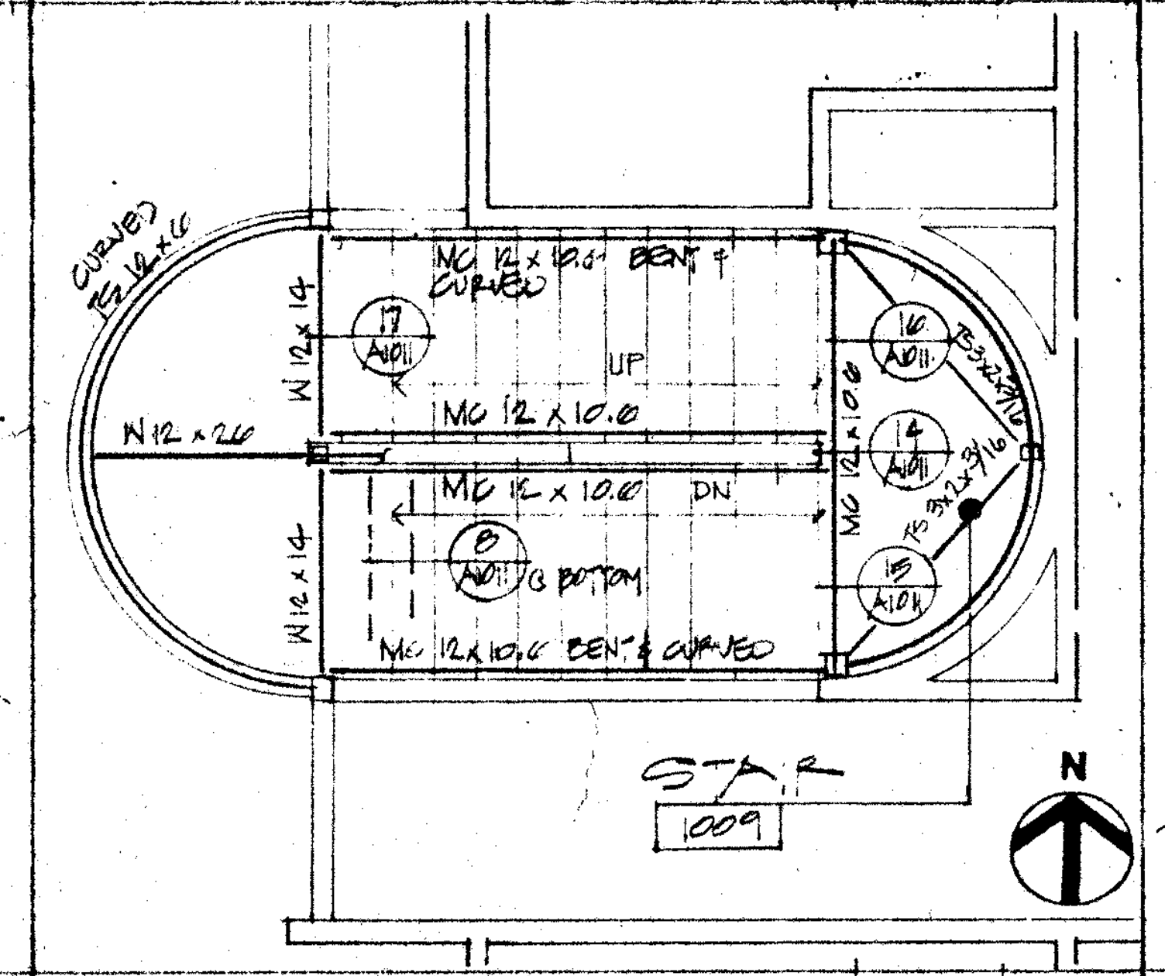
LANDING DETAIL 1" 16


FINISH FLOORING
STAIR NOSING
CHANNEL STRINGER
10GA. STAIR PAN

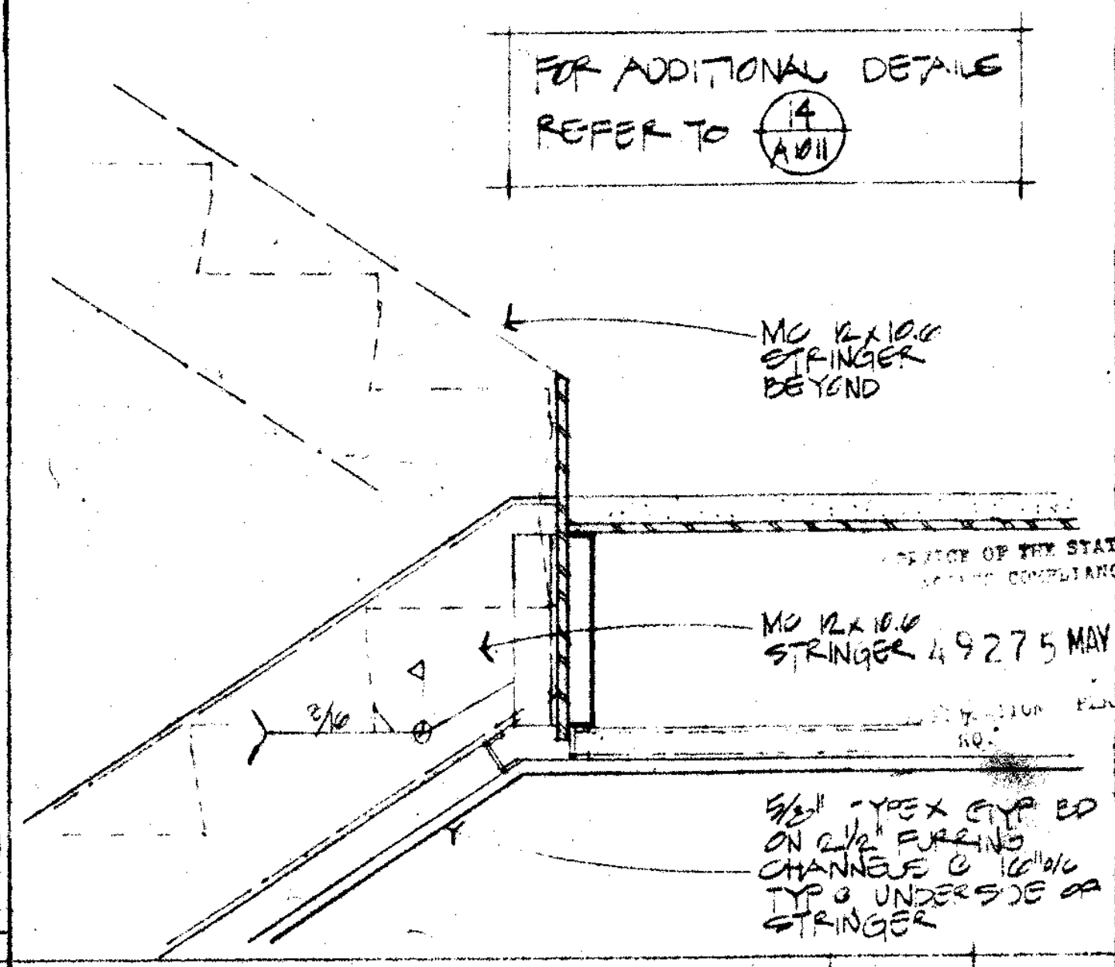
TREADS & RISERS 1" 9


FINISH FLOORING
MC 12x10.6 BENT
NOTE FOR CONSTRUCTION BELOW SEE DETAIL

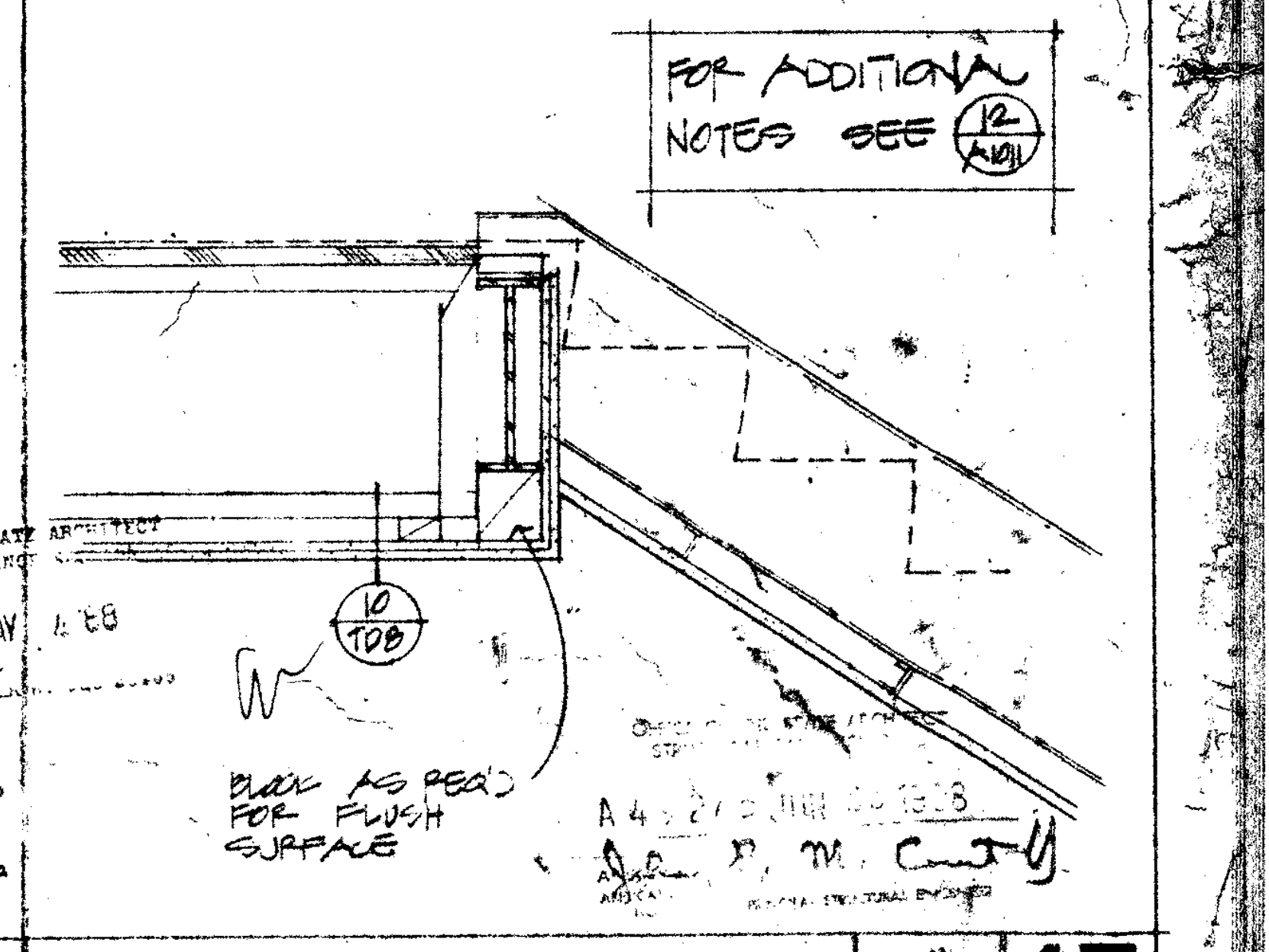
STAIR LANDING 1" 11


STAIR 1009
UP
DN

PARTIAL SECOND FLOOR FRAMING PLAN 1/4" 13


FOR ADDITIONAL DETAILS REFER TO 4 A1011
MC 12x10.6 STRINGER BEYOND
MC 12x10.6 STRINGER

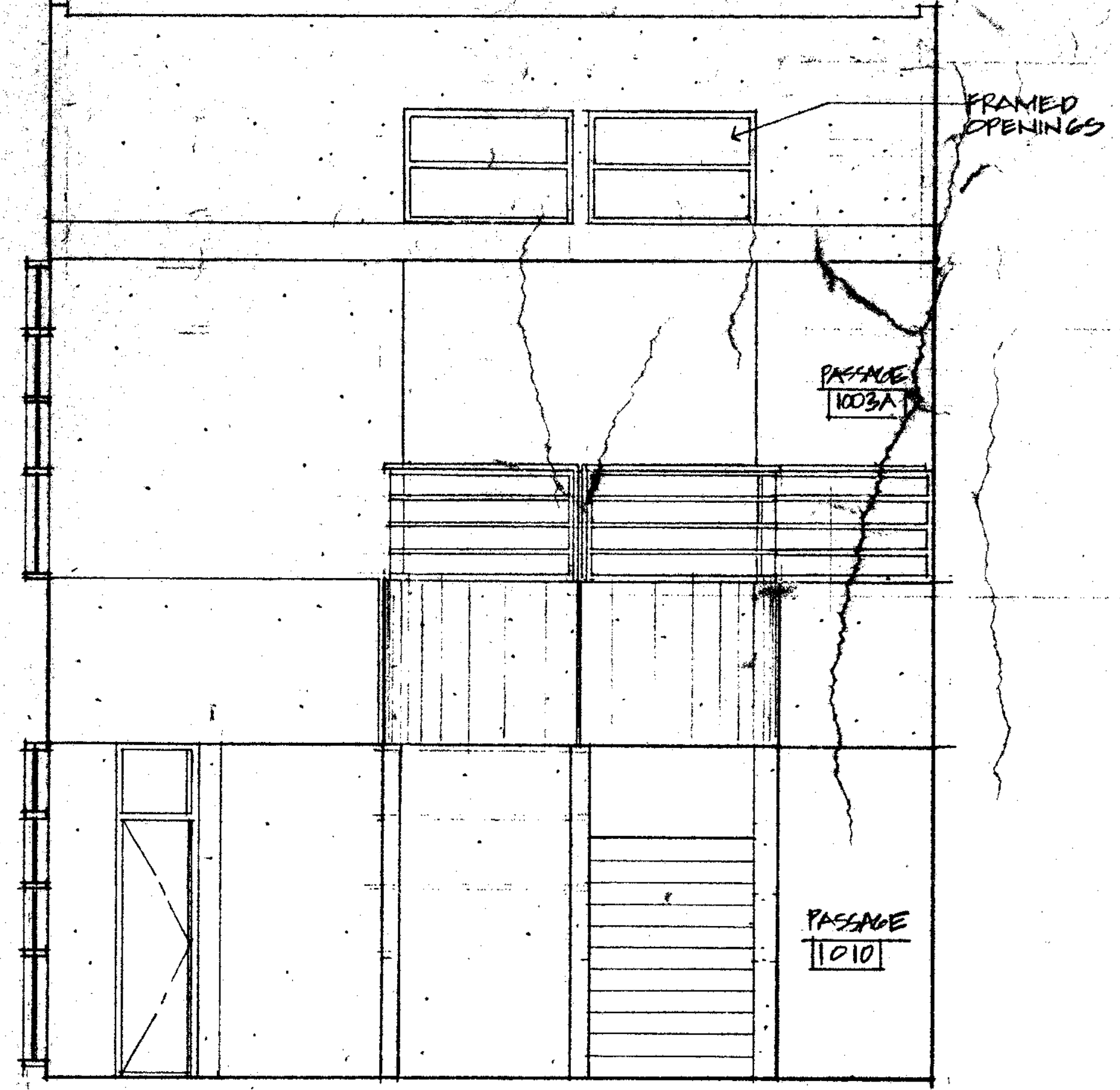
LANDING DETAIL 1" 15


FOR ADDITIONAL NOTES SEE 12 A1011
BLOCK AS REQ'D FOR FLUSH SURFACE

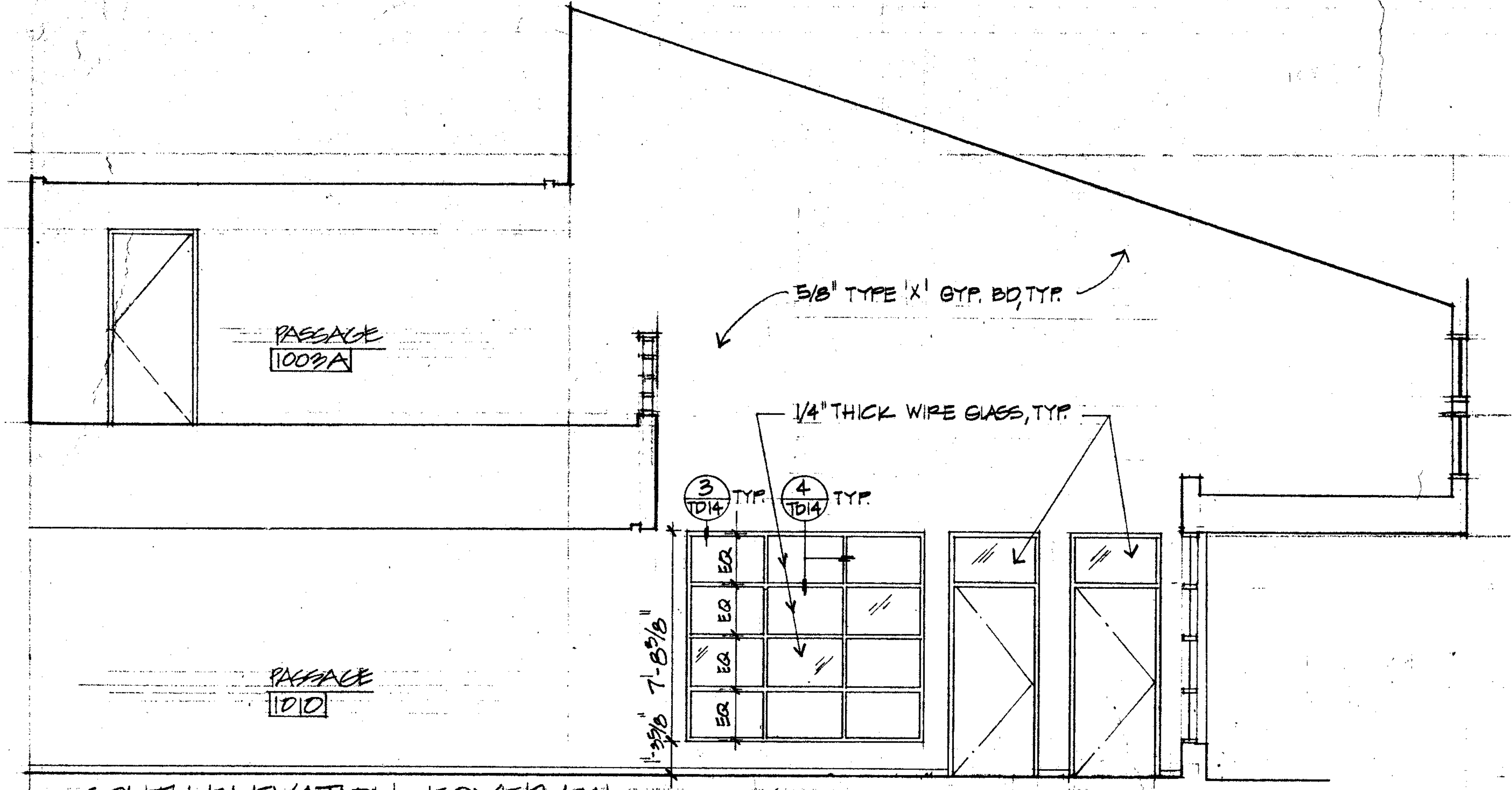
TOP LANDING DETAIL 1" 17

Drawn By Checked By Date MAR 1988 Commission No. 13002	Revisions △ 6/29/88 PHASING	Architects Planners RUHNAU McGAVIN RUHNAU/ASSOCIATES 3775 Tenth Street Riverside, CA 92501-3669 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-1995 619/438-6899	ARCHITECT C-6497	West Hills High School Grossmont Union High School District San Diego, Ca San Diego County	Library/Guidance Center Bldg. No. 10 Interior Elevations	Sheet Number A-1011 Of Sheets

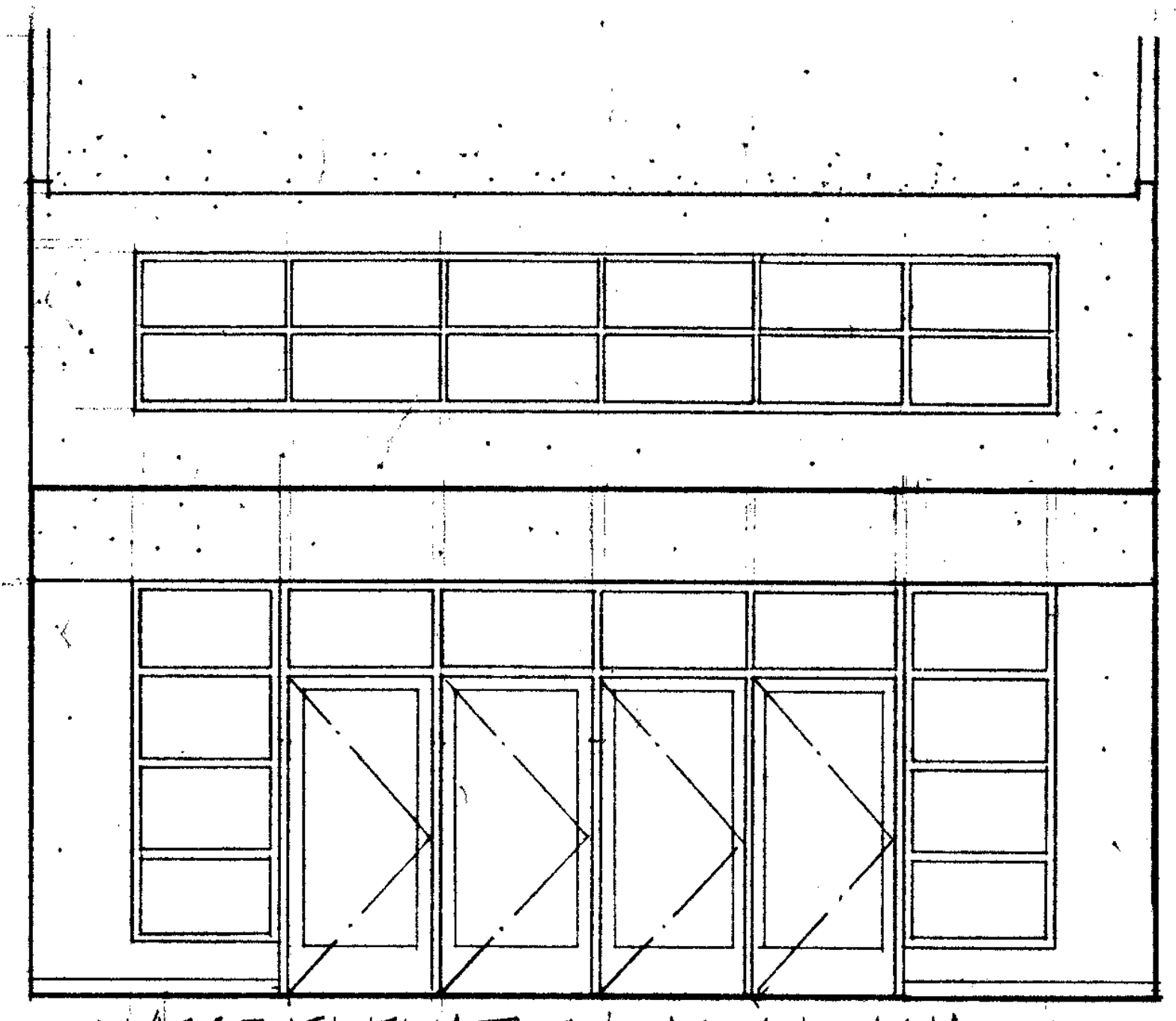
RECORD SEPIA 9/16/88


FRAMED OPENINGS
PASSAGE 1003A
PASSAGE 1010

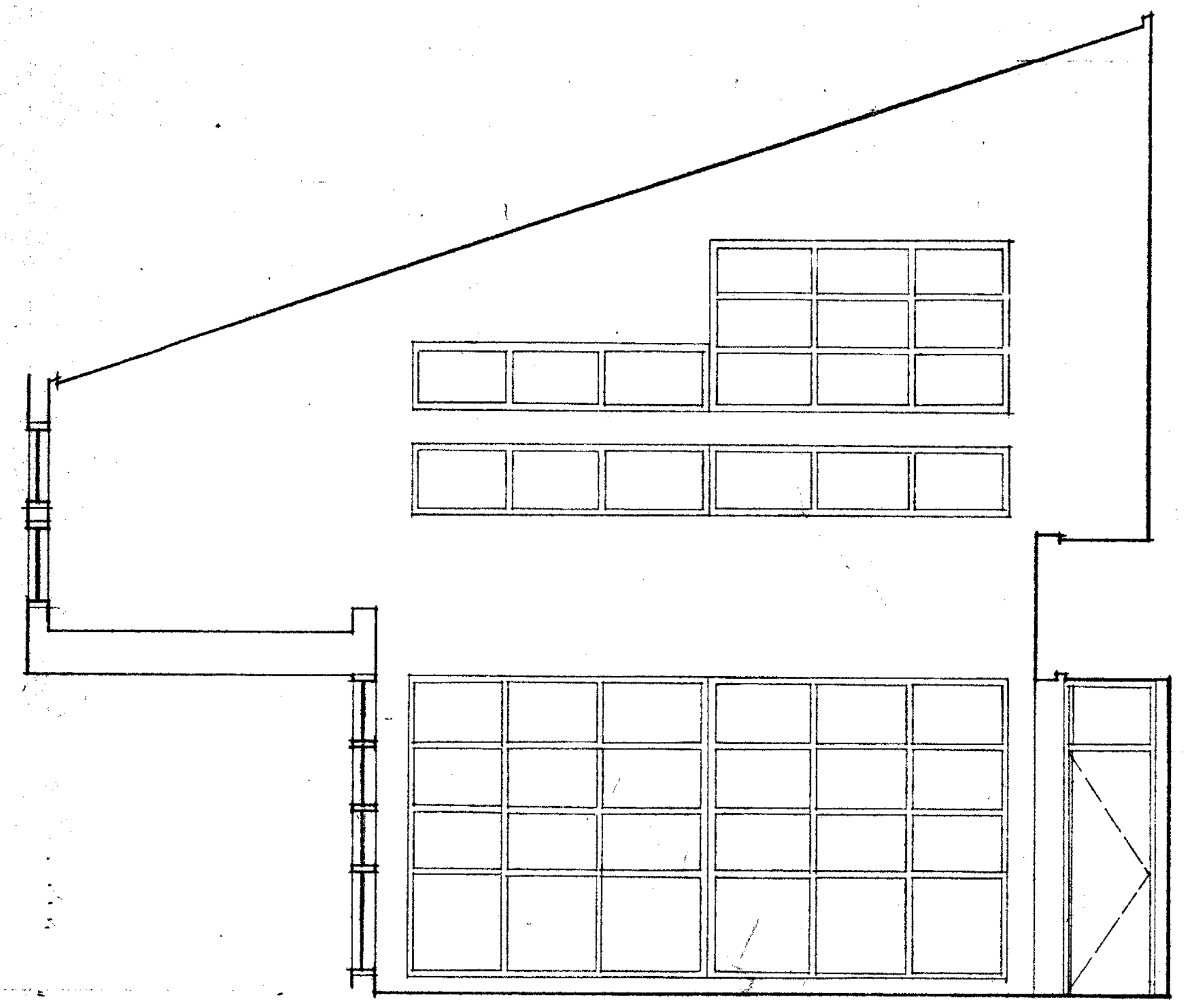
1 A1012 EAST ELEVATION-FOYER 1011
1/4" = 1'-0"


PASSAGE 1003A
PASSAGE 1010
5/8" TYPE 'X' GYP. BD, TYP.
1/4" THICK WIRE GLASS, TYP.
3 TD14 TYP.
4 TD14 TYP.
EQ
EQ
EQ
EQ
7'-8 3/8"
1'-3 5/8"

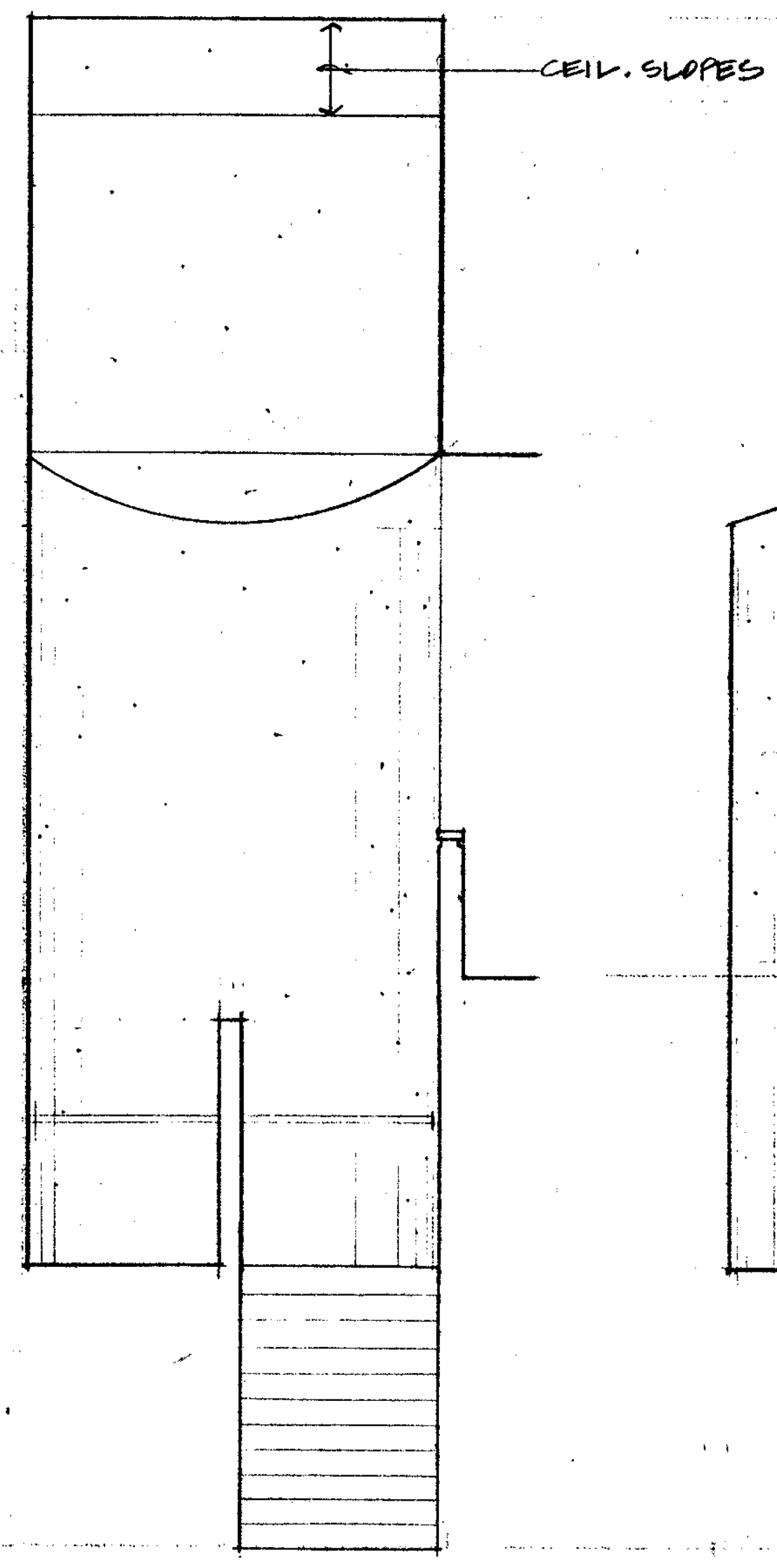
2 A1012 SOUTH ELEVATION-FOYER 1011



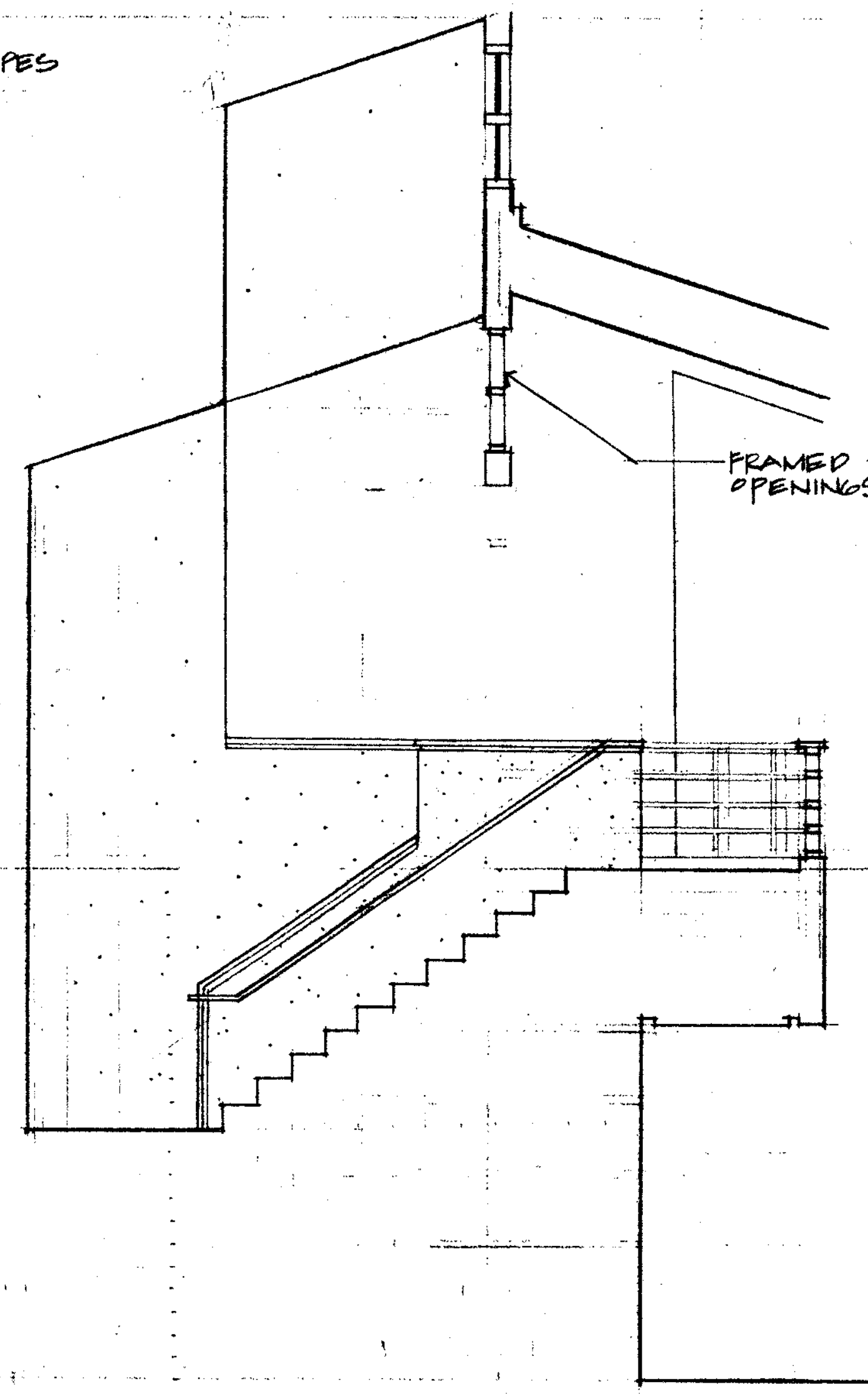
3 A1012 WEST ELEVATION-FOYER 1011



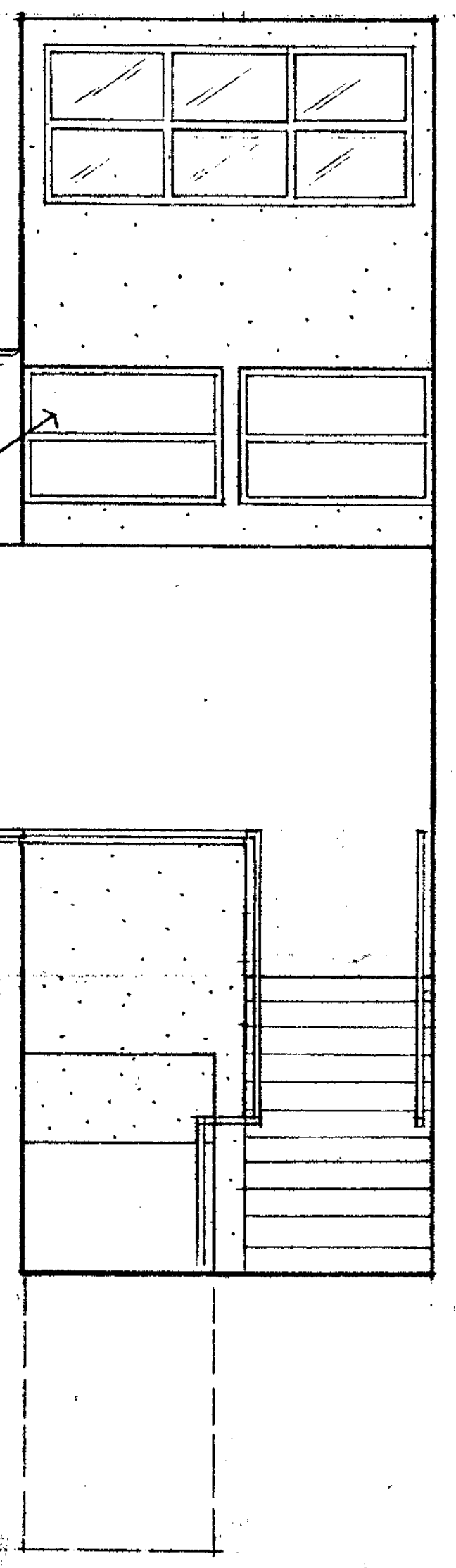
4 A1012 NORTH ELEVATION-FOYER 1011


CEIL. SLOPES

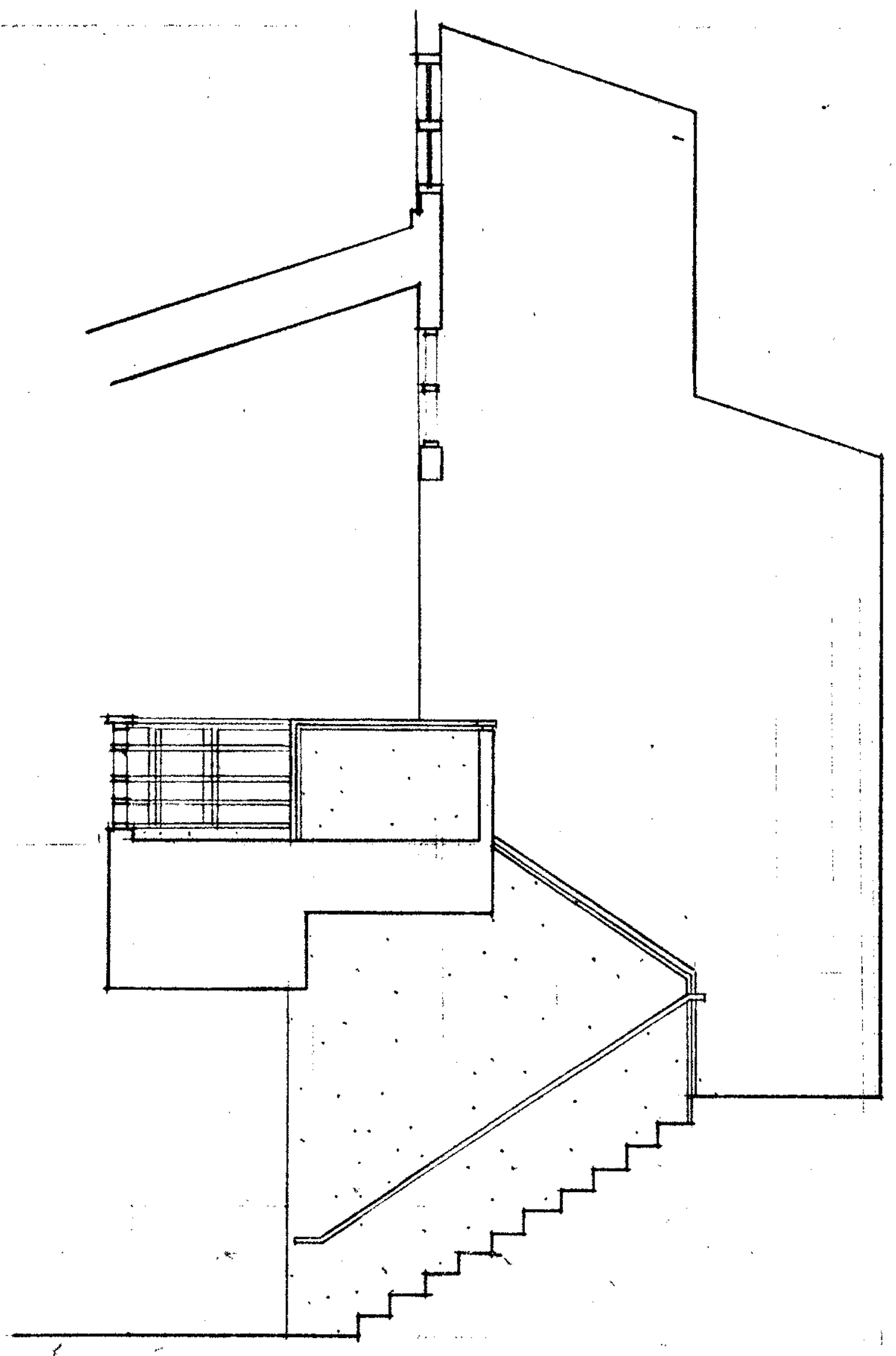
5 A1012 EAST EL-1009


FRAMED OPENINGS

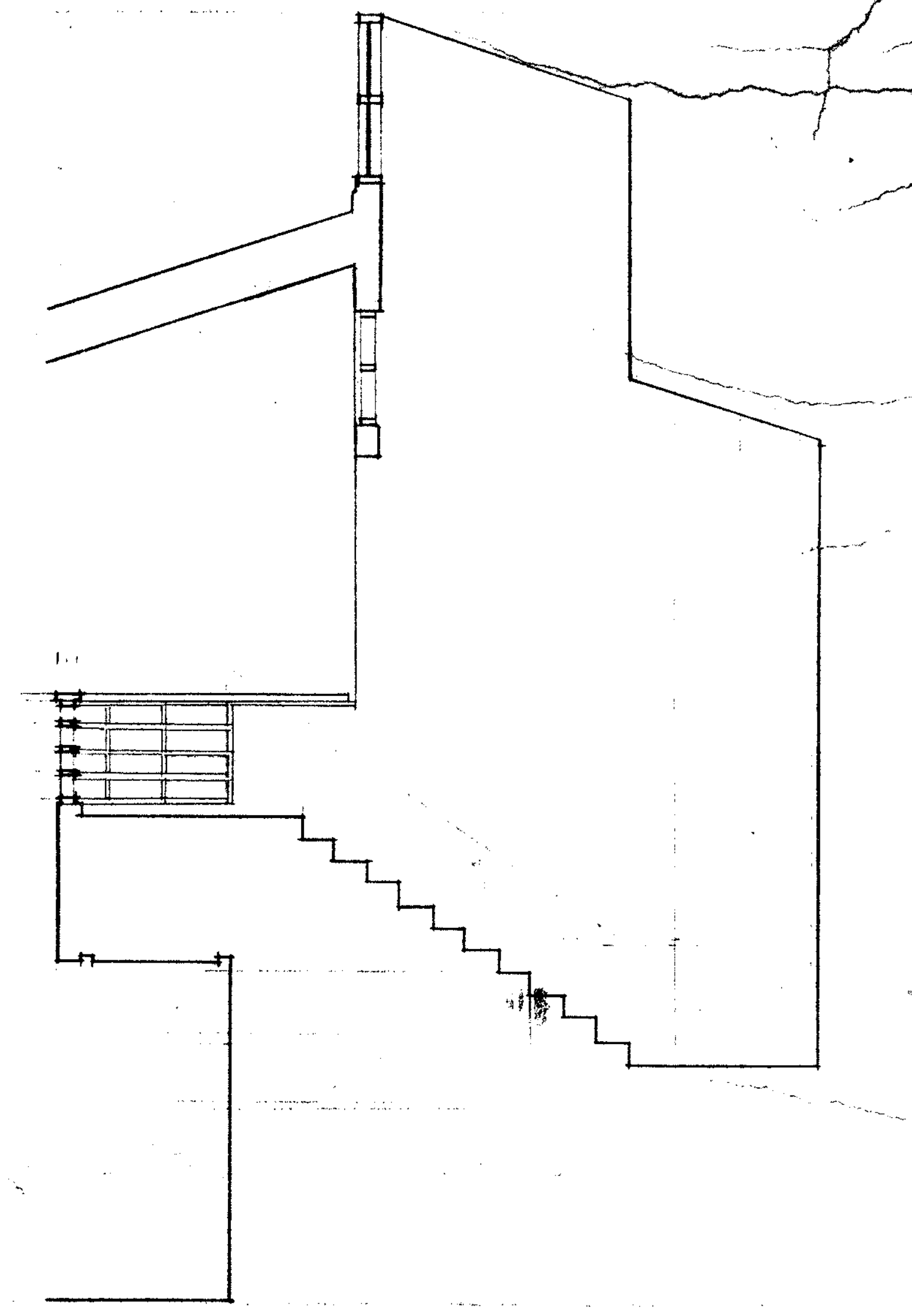
6 A1012 SOUTH ELEVATION-STAIR 1009



7 A1012 WEST EL.-1009



8 A1012 NORTH ELEVATION-STAIR 1009



9 A1012 NORTH ELEVATION-STAIR 1009

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 1988
APPROVED

Drawn By
Checked By
Date MARCH 1988
Commission No. 13002

Revisions
A 6/29/88 PHASING

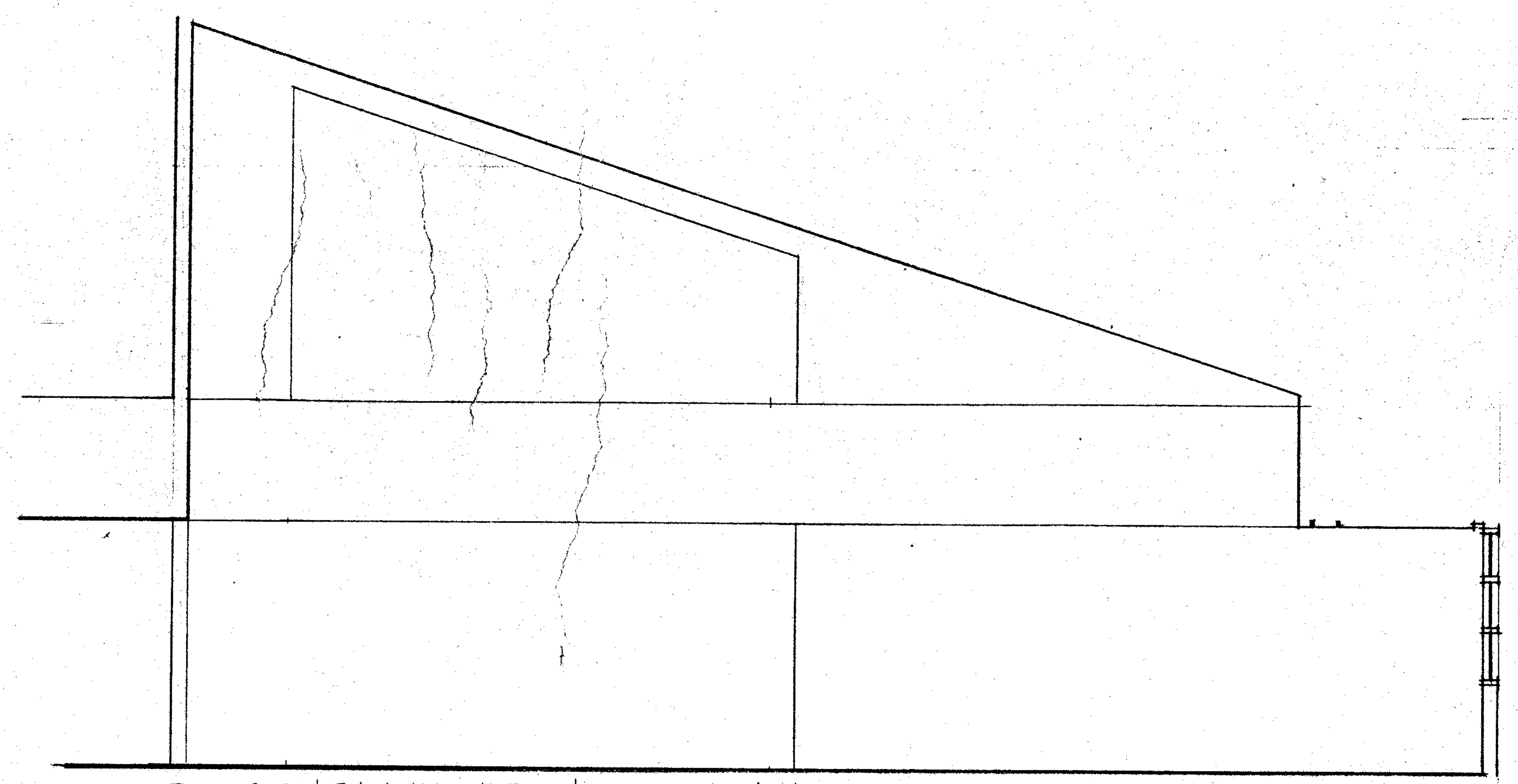
Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664
5751 Palmer Way, Suite C
Carlsbad, CA 92008-1995
619/438-5899

ARCHITECT
C-6497

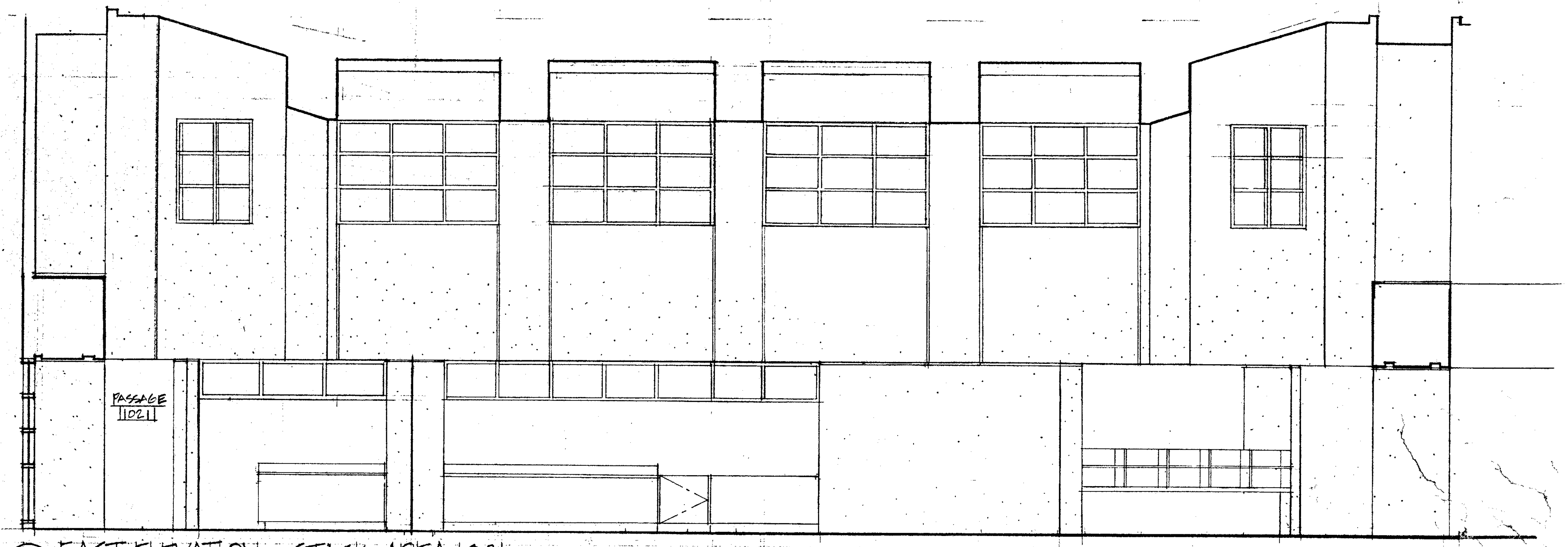
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Library/Guidance Center
Bldg. No. 10
Interior Elevations

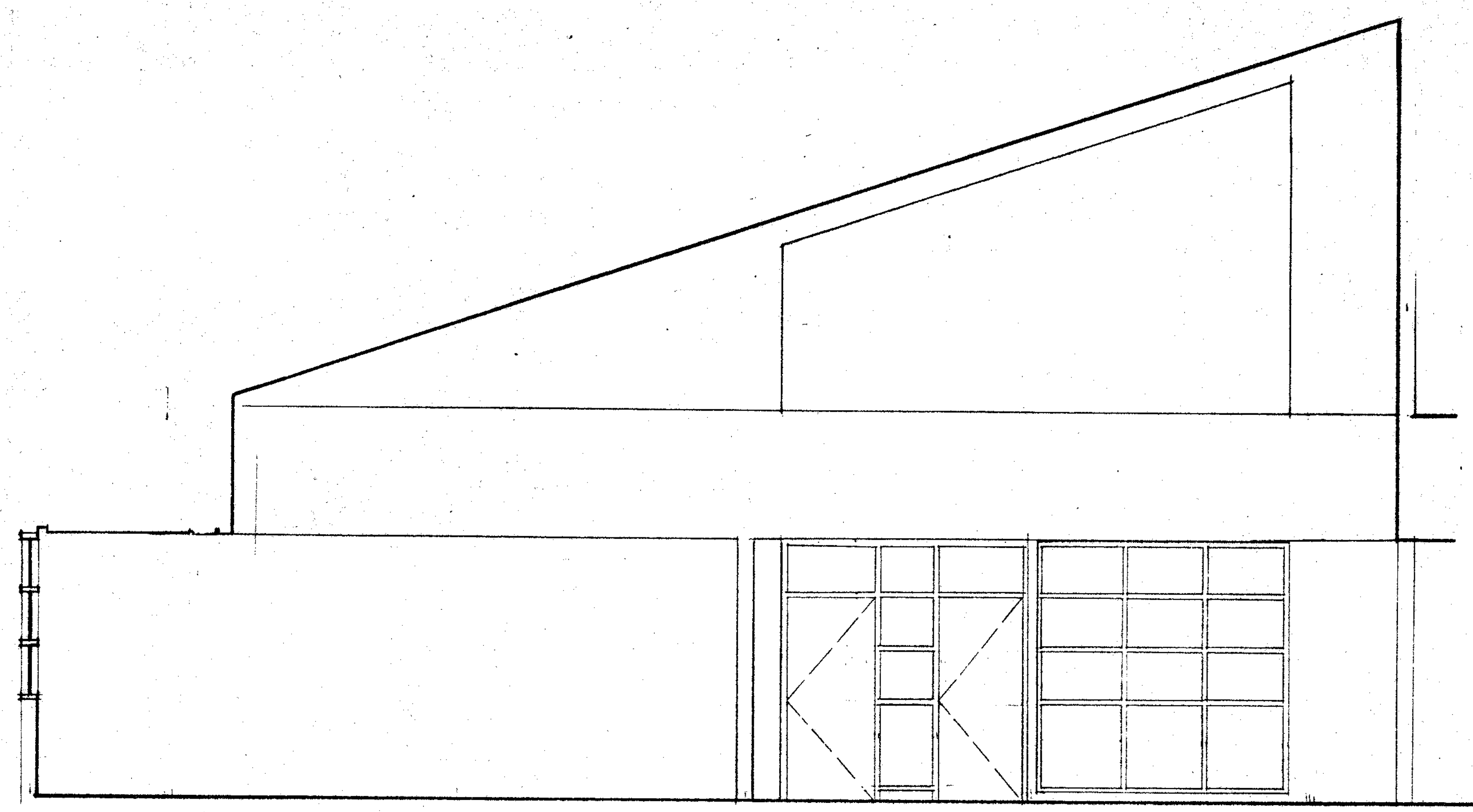
Sheet Number
A-1012
Of Sheets



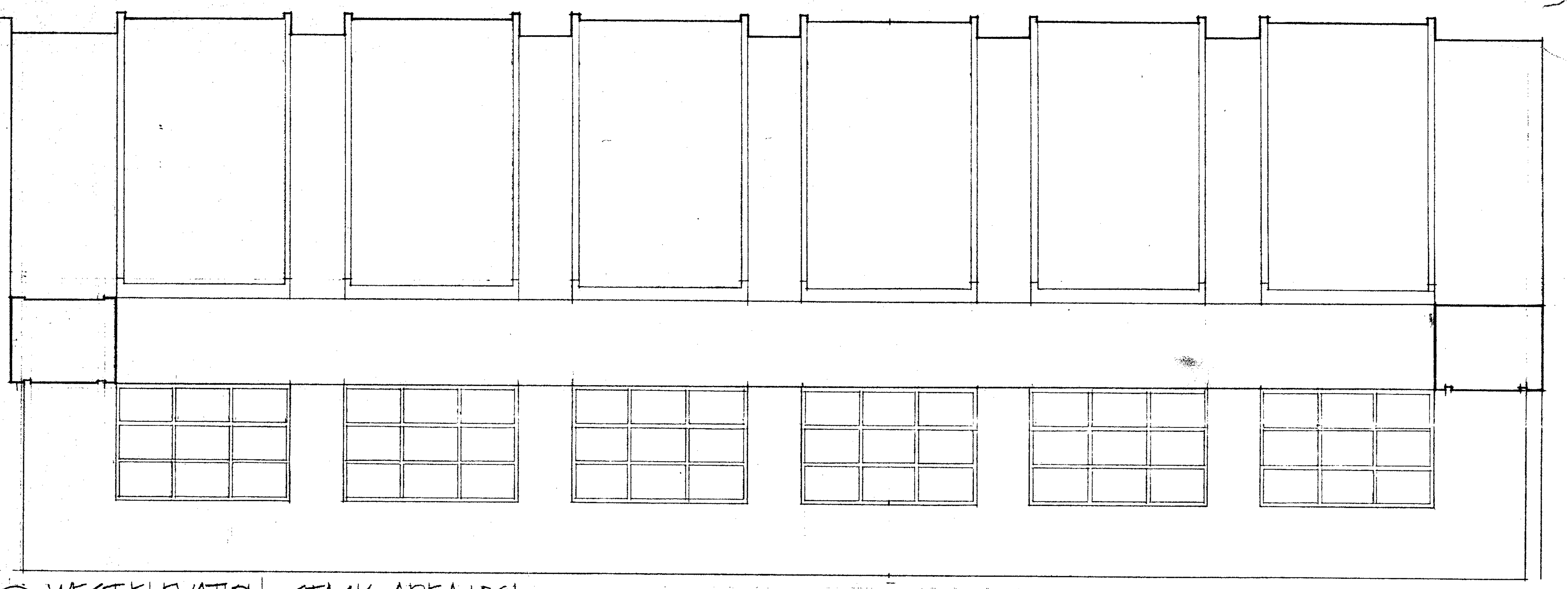
1 A1013 SOUTH ELEVATION - STACK AREA 1021



2 A1013 EAST ELEVATION - STACK AREA 1021



3 A1013 NORTH ELEVATION - STACK AREA 1021



4 A1013 WEST ELEVATION - STACK AREA 1021

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88
APPLICATION
NO.

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPROVED
STATE FIRE MARSHAL
BJ

Drawn By
Checked By
Date MARCH 1988
Commission No. 13002

Revisions
A 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES

3775 Tenth Street
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714/684-4664

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ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

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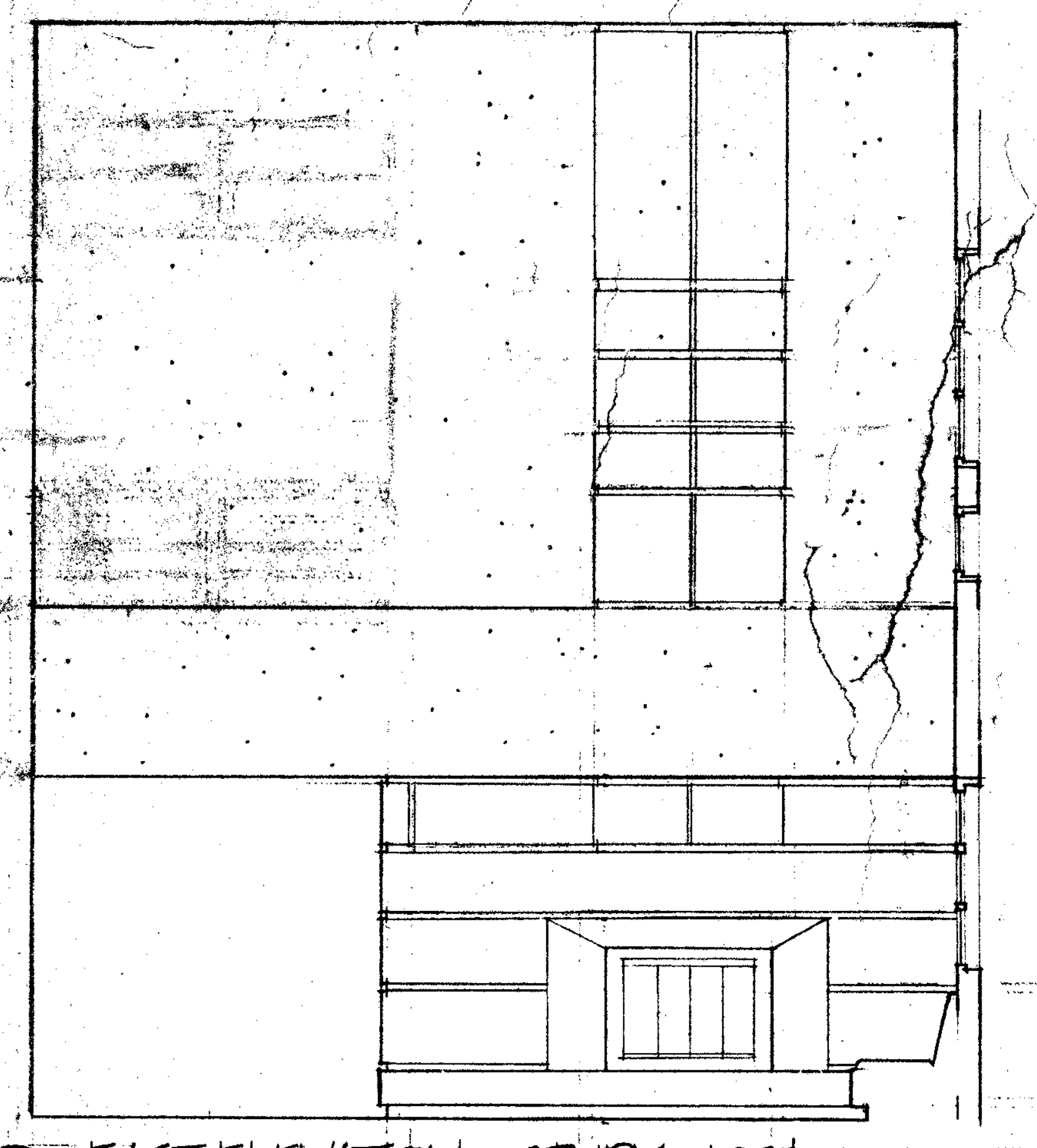
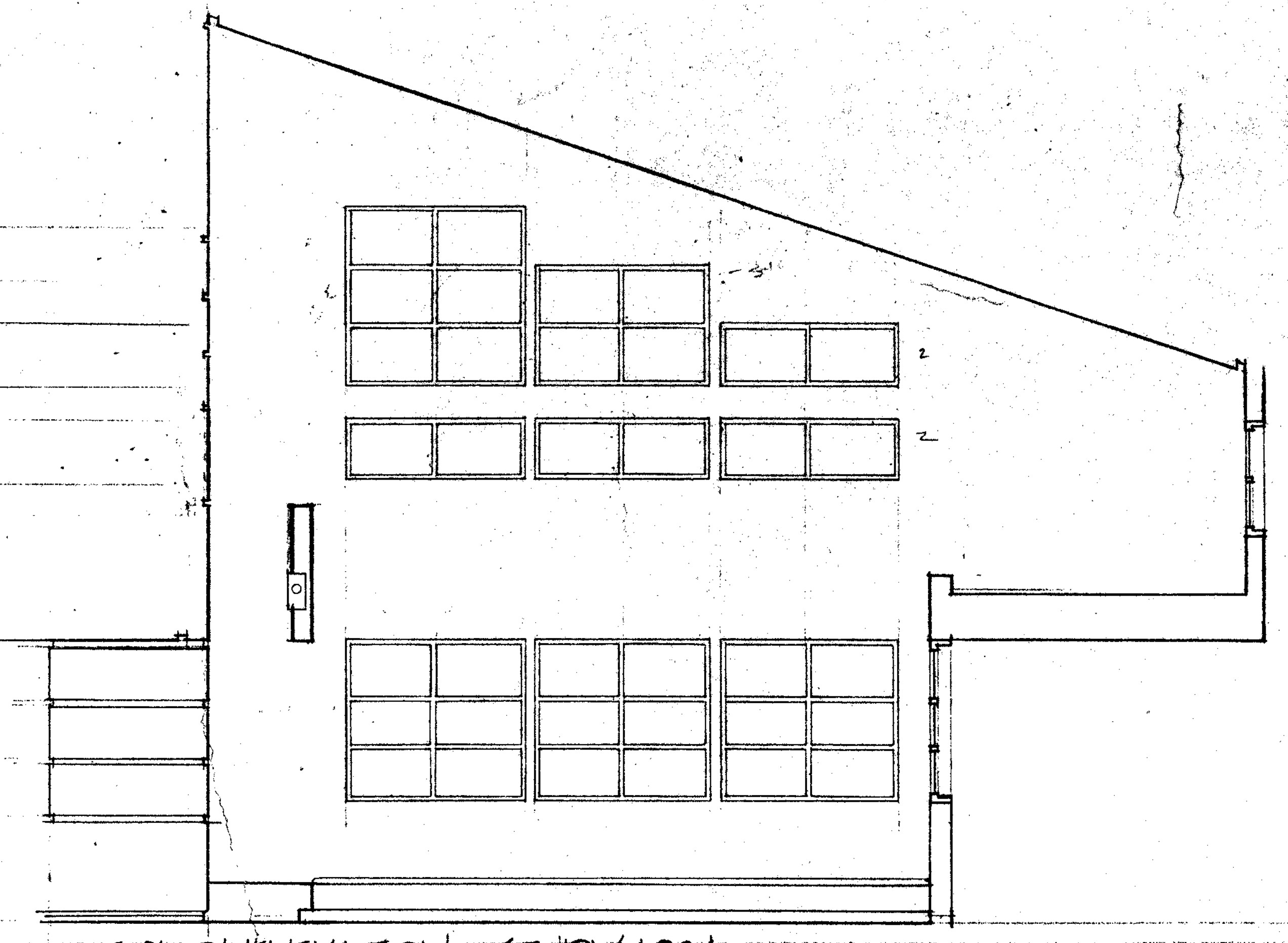
Bldg. No. 10
Interior Elevations

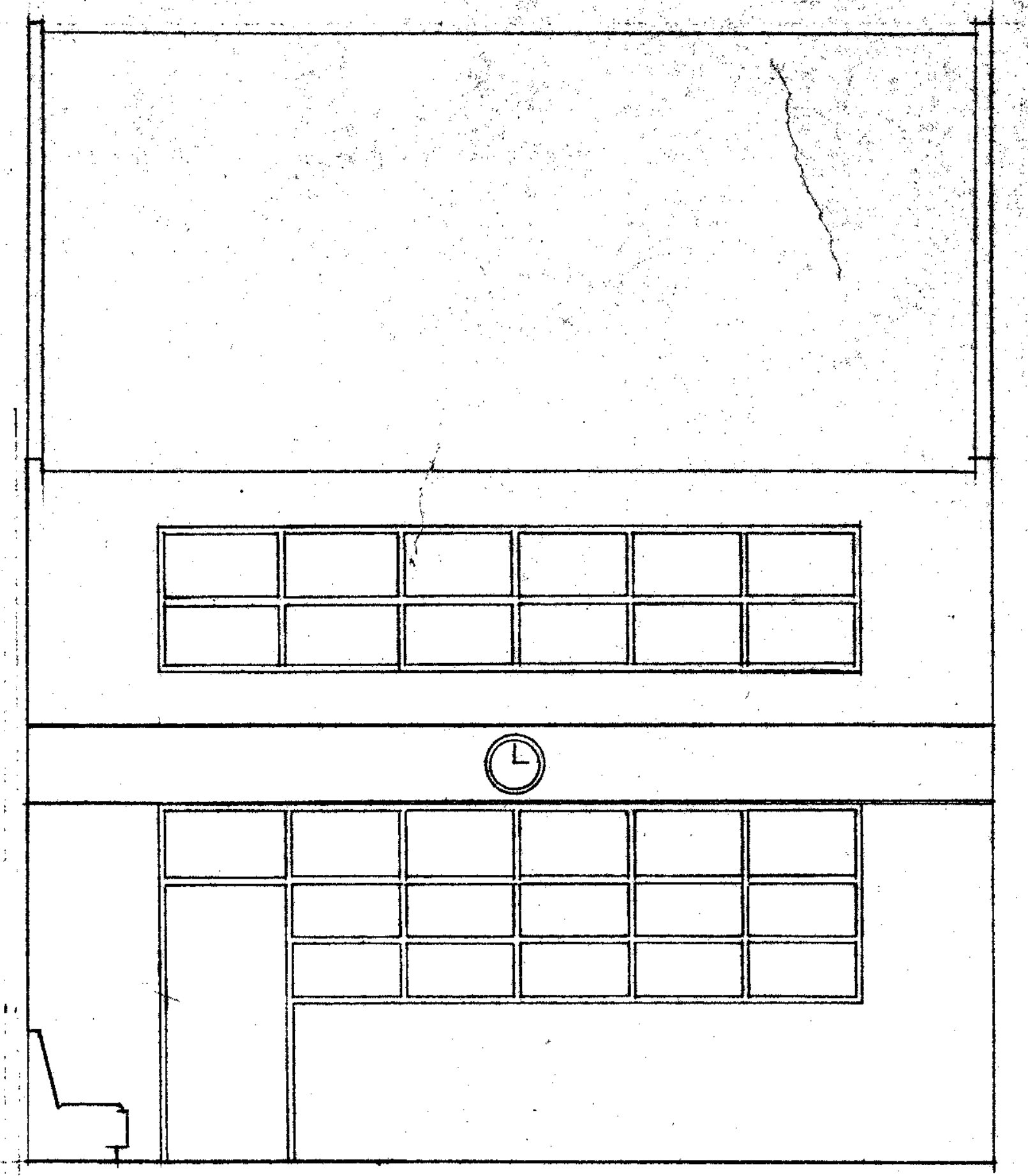
Sheet Number
A-1013
Of Sheets



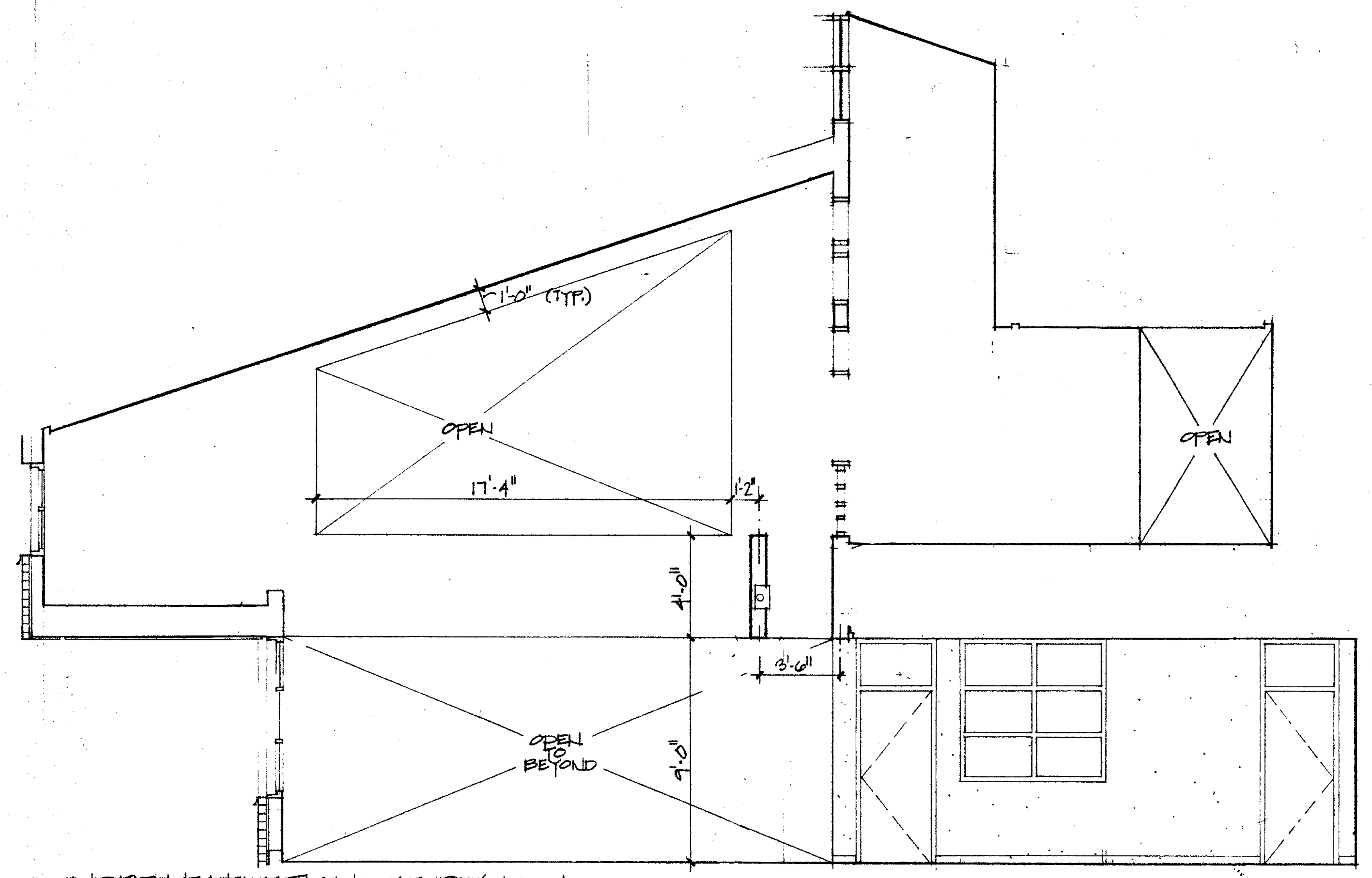
1 A1014 EAST ELEVATION - STUDY 1024



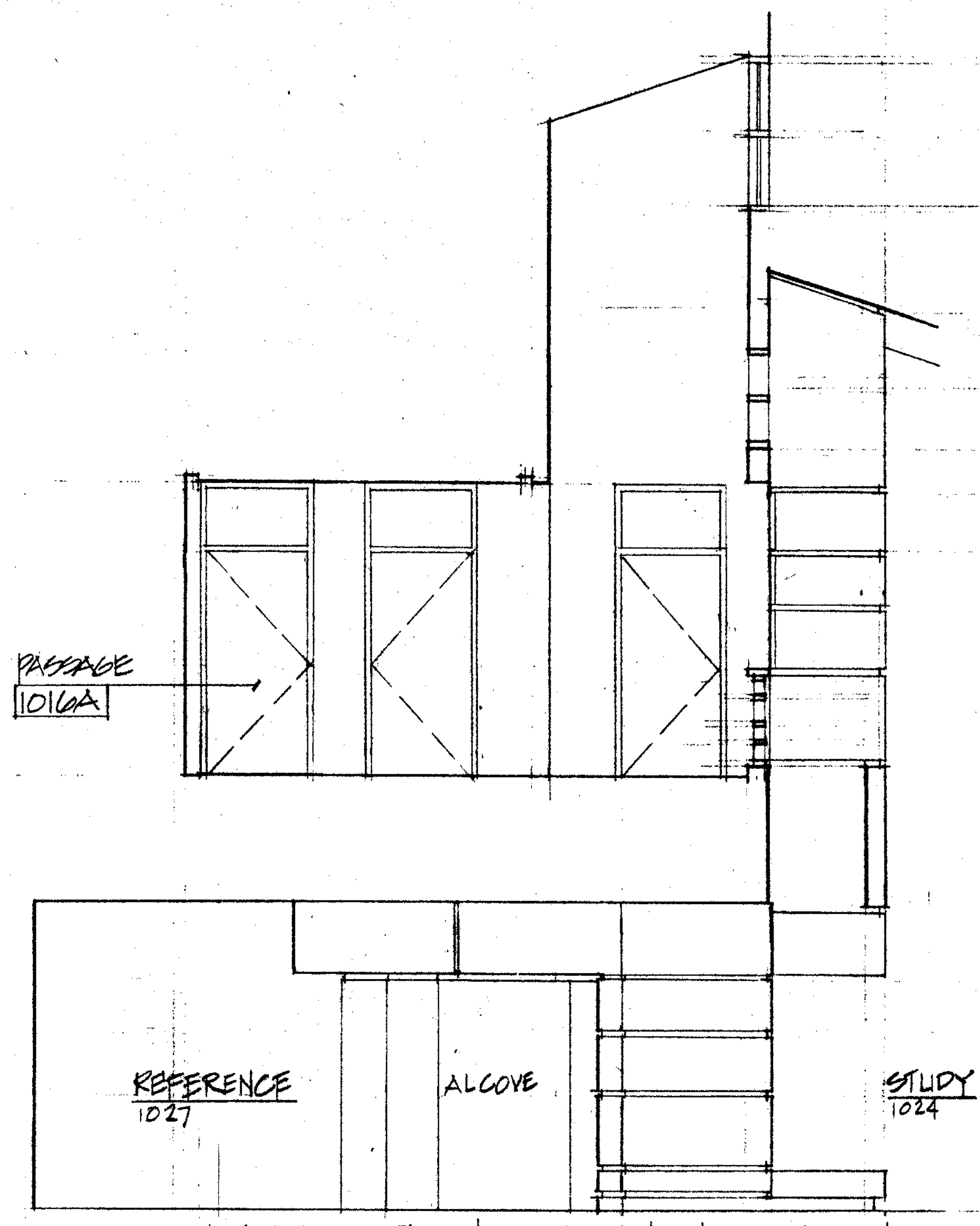
2 A1014 SOUTH ELEVATION - STUDY 1024



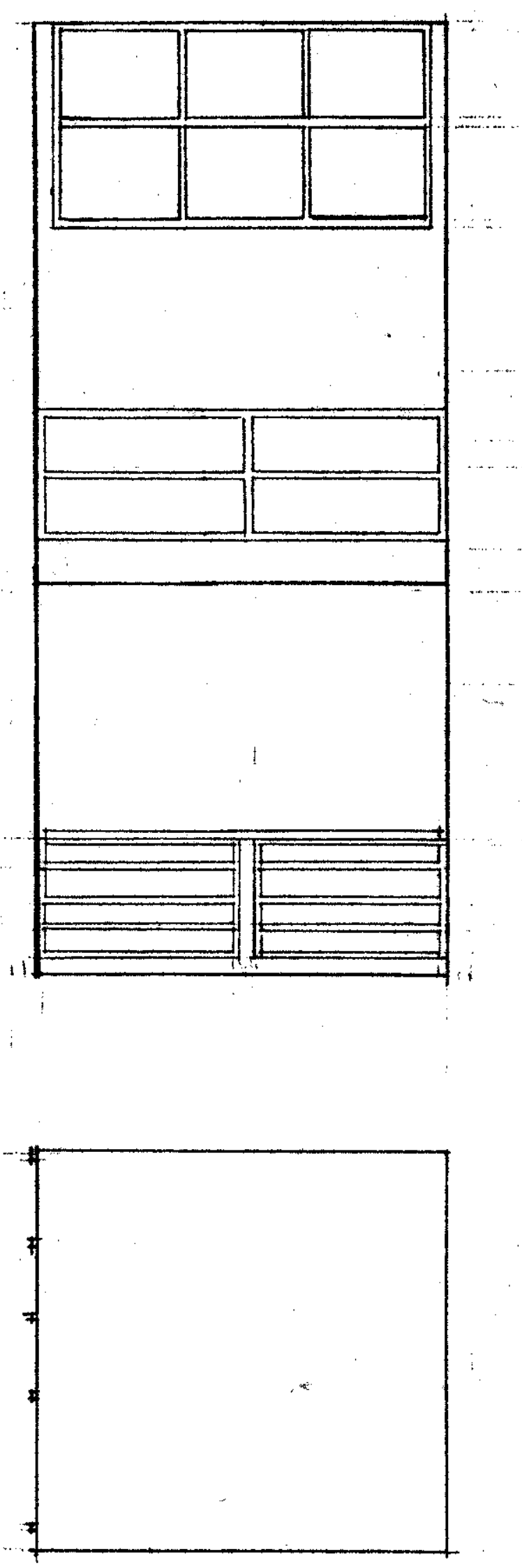
3 A1014 WEST ELEVATION - STUDY 1024


1'-0" (TYP.)
OPEN
17'-4"
1'-2"
4'-0"
3'-6"
OPEN TO BEYOND
9'-0"
OPEN

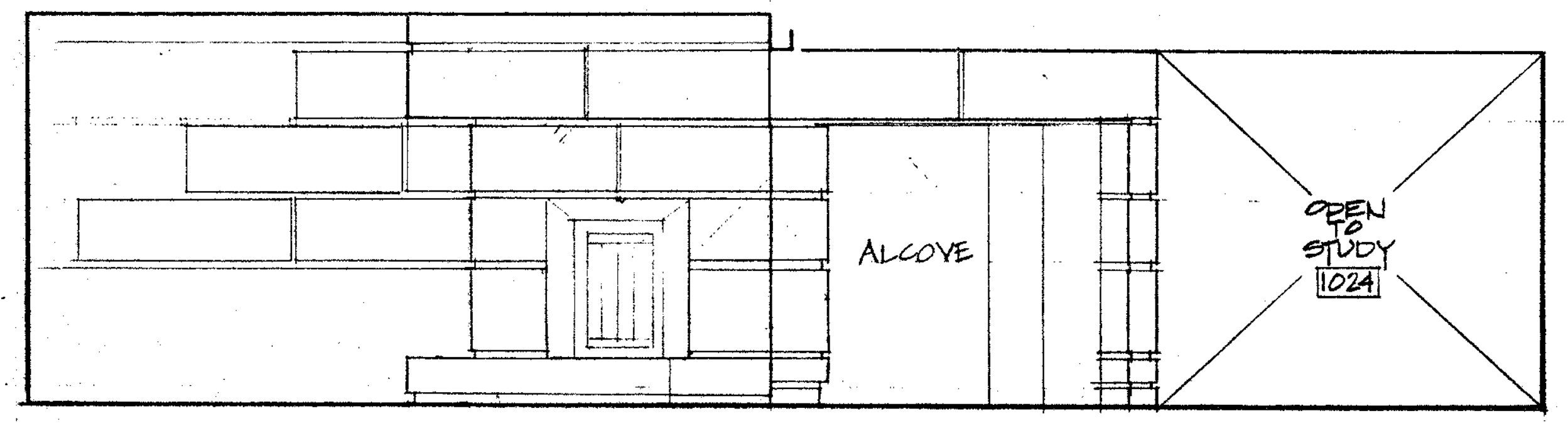
4 A1014 NORTH ELEVATION - STUDY 1024


PASSAGE 1016A
REFERENCE 1027
ALCOVE
STUDY 1024

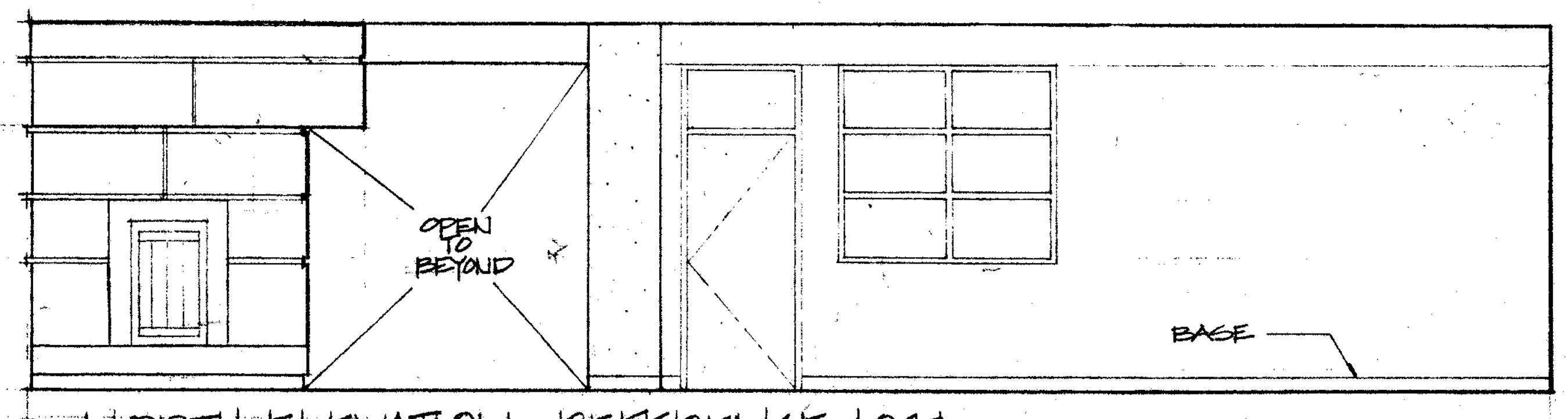
5 A1014 SOUTH ELEVATION - REFERENCE 1027



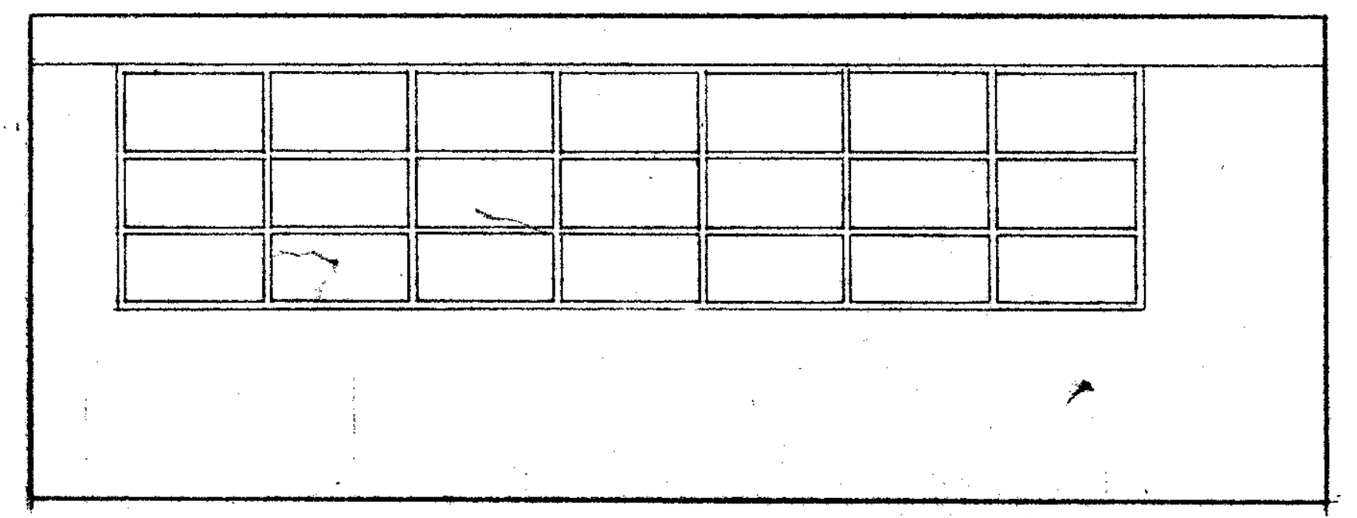
6 A1014 WEST EL. - PASSAGE 1016A


ALCOVE
OPEN TO STUDY 1024

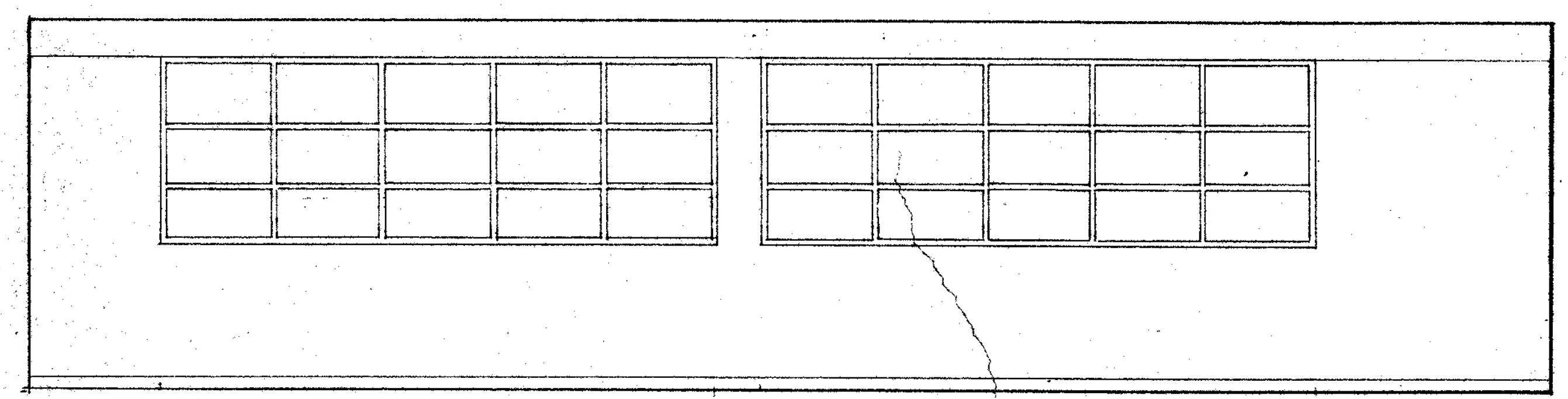
7 A1014 WEST ELEVATION - REFERENCE 1027


OPEN TO BEYOND
BASE

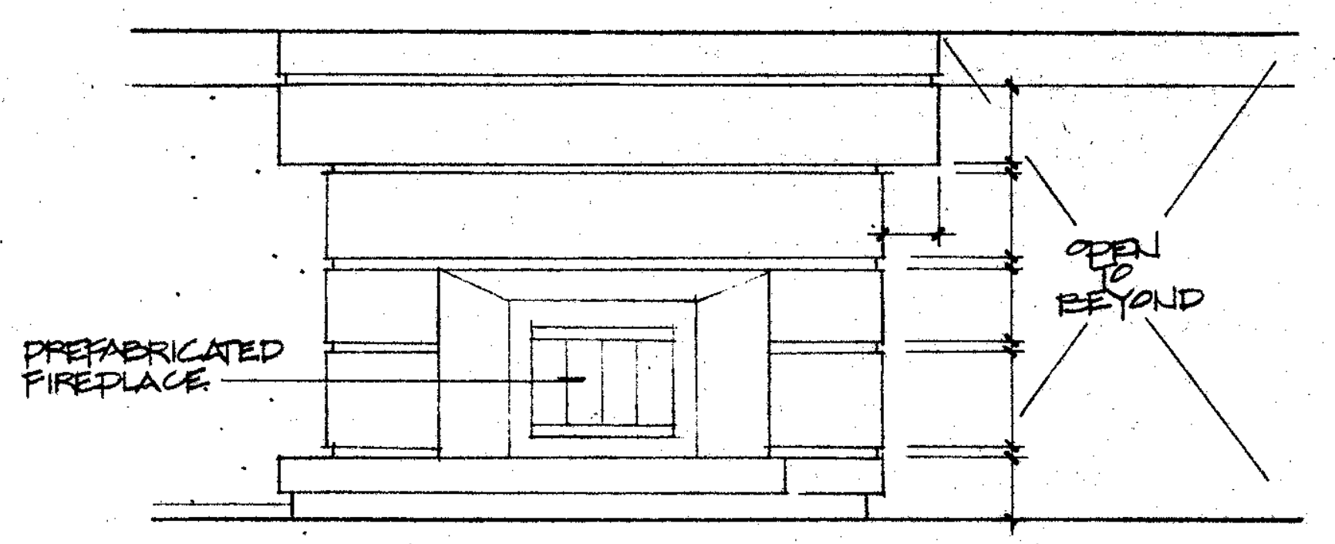
8 A1014 NORTH ELEVATION - REFERENCE 1027



9 A1014 EAST ELEVATION - REFERENCE 1027



10 A1014 SOUTH ELEVATION - REFERENCE 1027


PREFABRICATED FIREPLACE
OPEN TO BEYOND

11 A1014 FIREPLACE ELEV. - REFERENCE 1027
FRONTAL ELEV.

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY
A 49275 JUN 22 1988
APPROVED
APPLICATION NO.
PRINCIPAL STRUCTURAL ENGINEER

APPROVED
FIRE AND PANIC ONLY
JUN 20
BJ
STATE FIRE MARSHAL
SOUTHERN

49275 MAY 4 '88

W

Drawn By
Checked By
Date MARCH 1988
Commission No. 13002

Revisions
1 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU / ASSOCIATES

3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664

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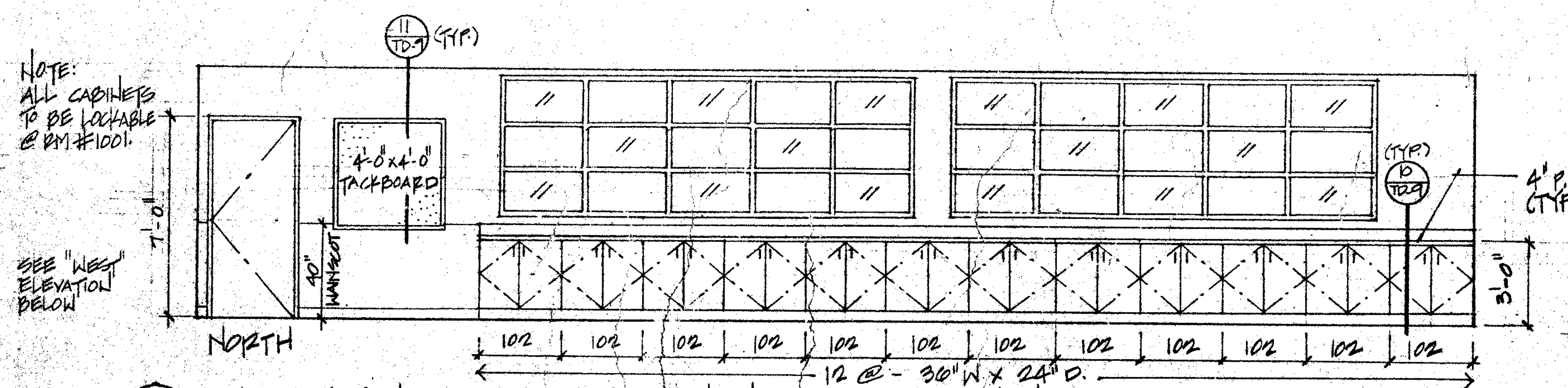
ARCHITECT
C-6497

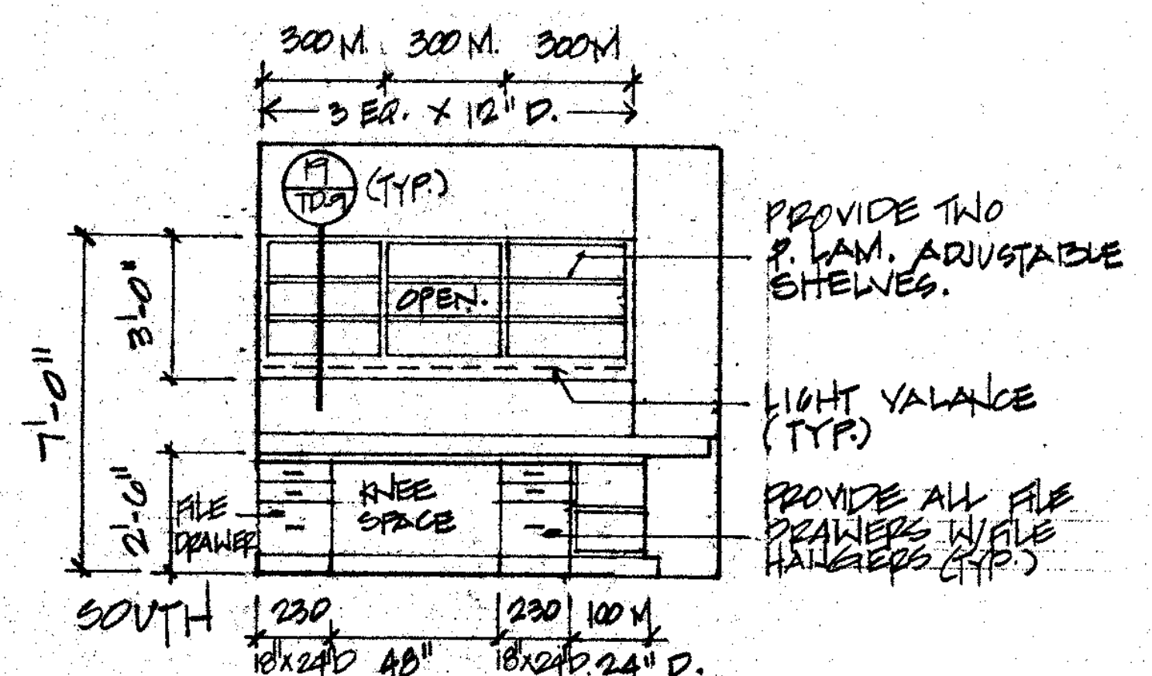
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Library/Guidance Center
Bldg. No. 10
Interior Elevations

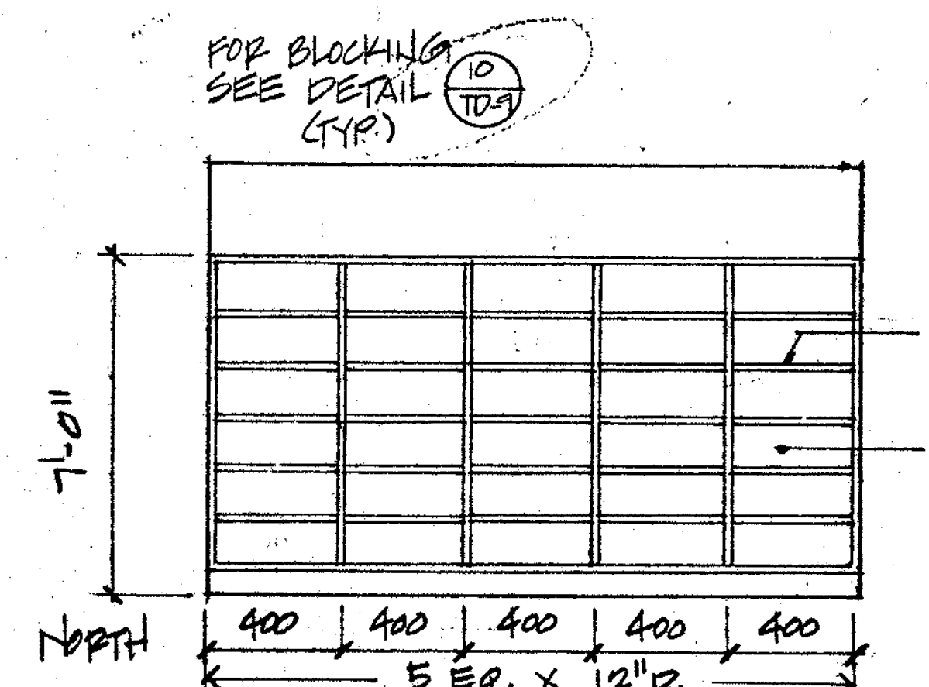
Sheet Number
A-1014
Of Sheets


NOTE: ALL CABINETS TO BE LOCKABLE @ RM #1001
4'-0"x4'-0" TACKBOARD
4" P. LAM. BACKSPLASH (TYP.)
NOTE: ALL CABINETS AND DRAWERS TO BE LOCKABLE @ RM #1003
SEE "WEST ELEVATION" BELOW
NORTH
102 102 102 102 102 102 102 102 102 102 102 102
12 @ - 30"W x 24" D.

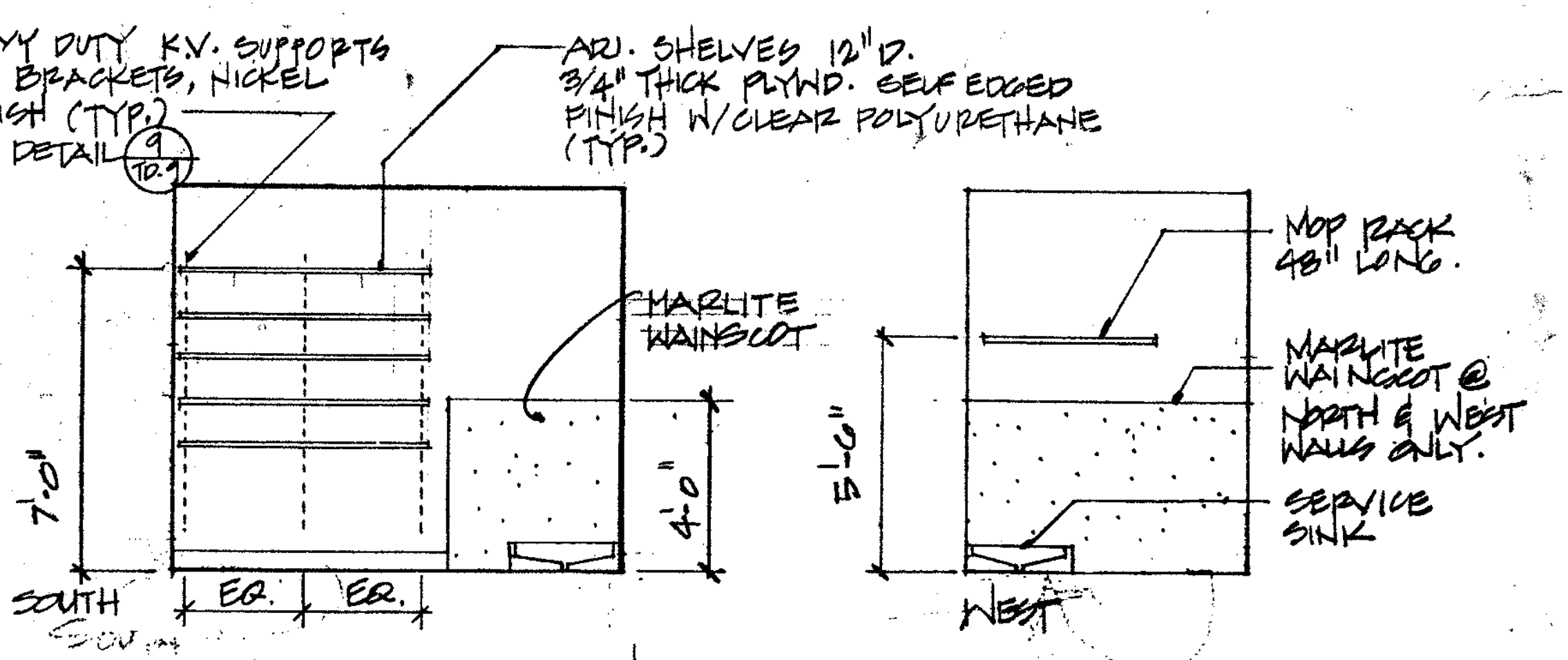
① ALTERNATIVE LEARNING CENTER #1001
SCALE: 1/4" = 1'-0"


300M 300M 300M
3 EQ. x 12" D.
PROVIDE TWO P. LAM. ADJUSTABLE SHELVES
OPEN
LIGHT VALANCE (TYP.)
PROVIDE ALL FILE DRAWERS W/FILE HANGERS (TYP.)
KNEE SPACE
FILE DRAWER
SOUTH
230 48" 230
18"x24"D 18"x24"D

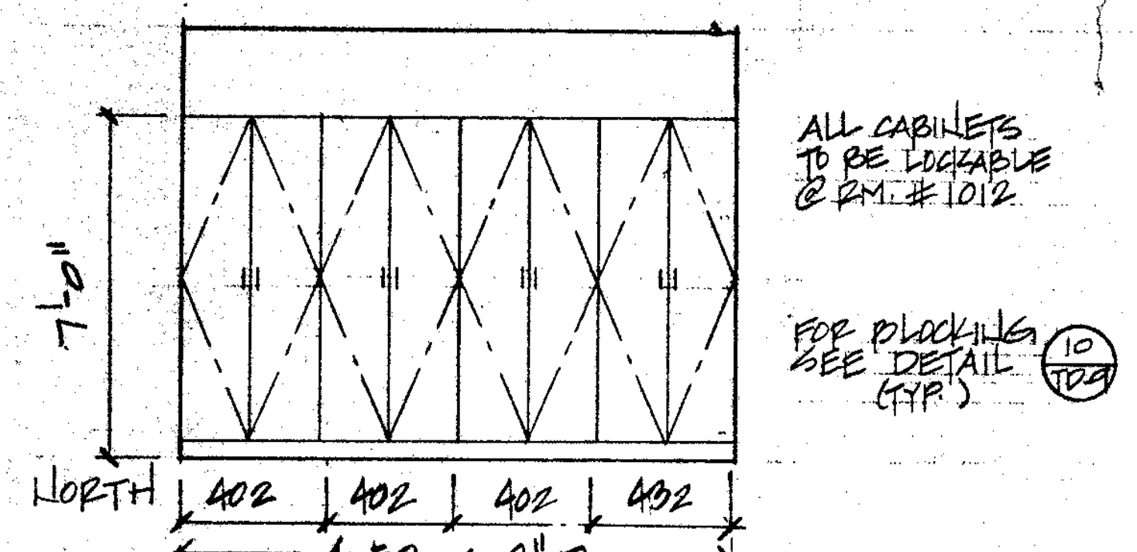
② OFFICE #1003
SCALE: 1/4" = 1'-0"


FOR BLOCKING SEE DETAIL (TYP.)
P. LAM. ADJUSTABLE SHELVES
OPEN, NO BACK
NORTH
400 400 400 400 400
5 EQ. x 12" D.

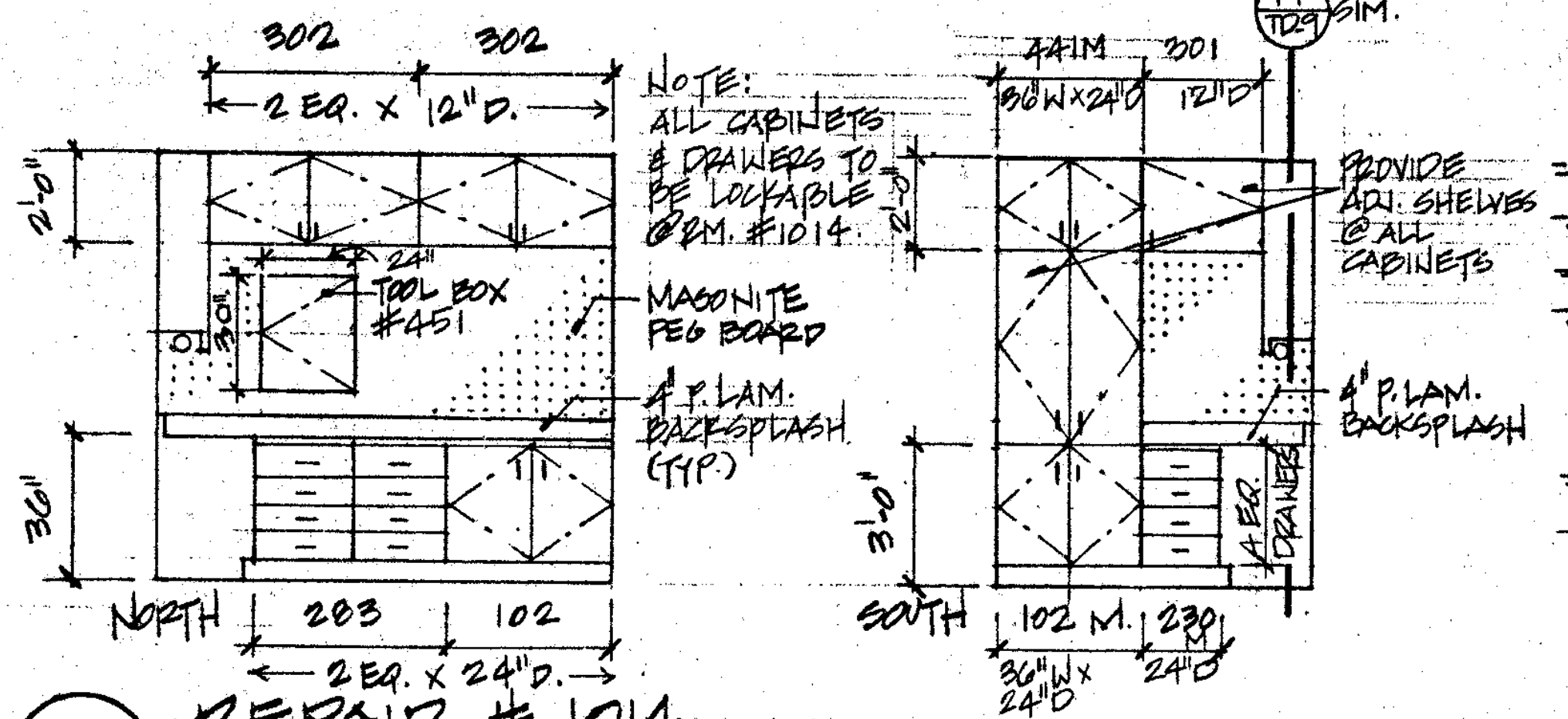
③ STORAGE #1004
SCALE: 1/4" = 1'-0"


HEAVY DUTY K.V. SUPPORTS AND BRACKETS, NICKEL FINISH (TYP.) SEE DETAIL
ADJ. SHELVES 12" D. 3/4" THICK PLYWD. SELF EDGED FINISH W/CLEAR POLYURETHANE (TYP.)
MARLITE WAINSCOT
MOP RACK 48" LONG
MARLITE WAINSCOT @ NORTH & WEST WALLS ONLY.
SERVICE SINK
SOUTH
EQ. EQ.
WEST

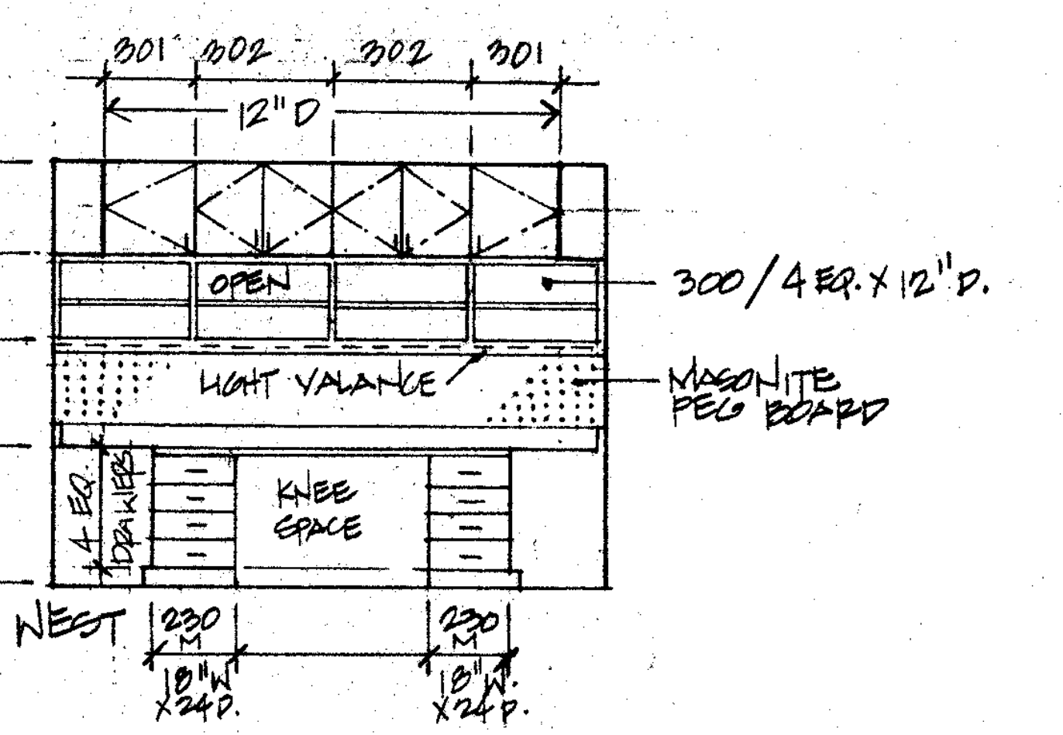
④ CUSTODIAL #1005
SCALE: 1/4" = 1'-0"

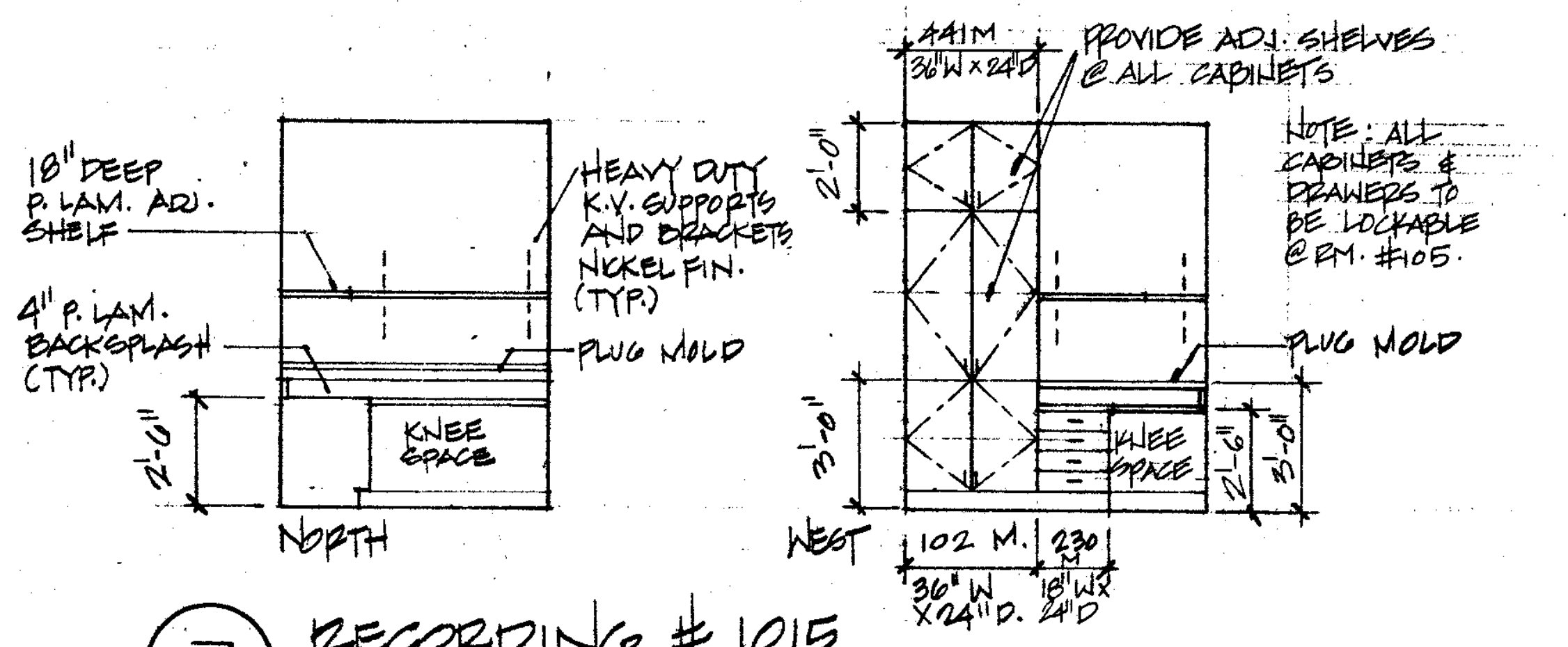

ALL CABINETS TO BE LOCKABLE @ RM. #1012
FOR BLOCKING SEE DETAIL (TYP.)
NORTH
402 402 402 402
4 EQ. x 12" D.

⑤ PASSAGE #1012
SCALE: 1/4" = 1'-0"

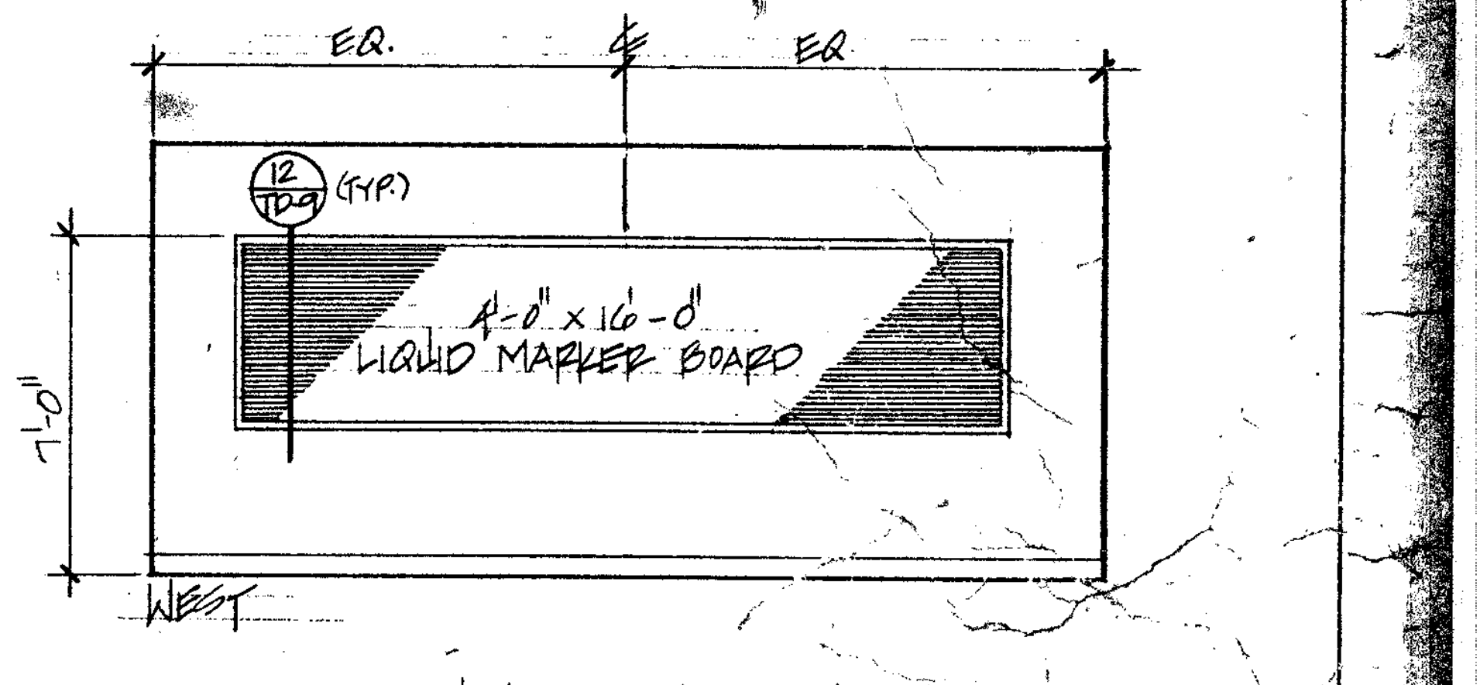

302 302
2 EQ. x 12" D.
NOTE: ALL CABINETS & DRAWERS TO BE LOCKABLE @ RM. #1014
TOOL BOX #451
MASONITE PEG BOARD
4" P. LAM. BACKSPLASH (TYP.)
NORTH
283 102
2 EQ. x 24" D.
441M 301
36"W x 24"D
PROVIDE ADJ. SHELVES @ ALL CABINETS
4" P. LAM. BACKSPLASH
SOUTH
102 M. 230
36"W x 24"D 18"W x 24"D

⑥ REPAIR #1014
SCALE: 1/4" = 1'-0"

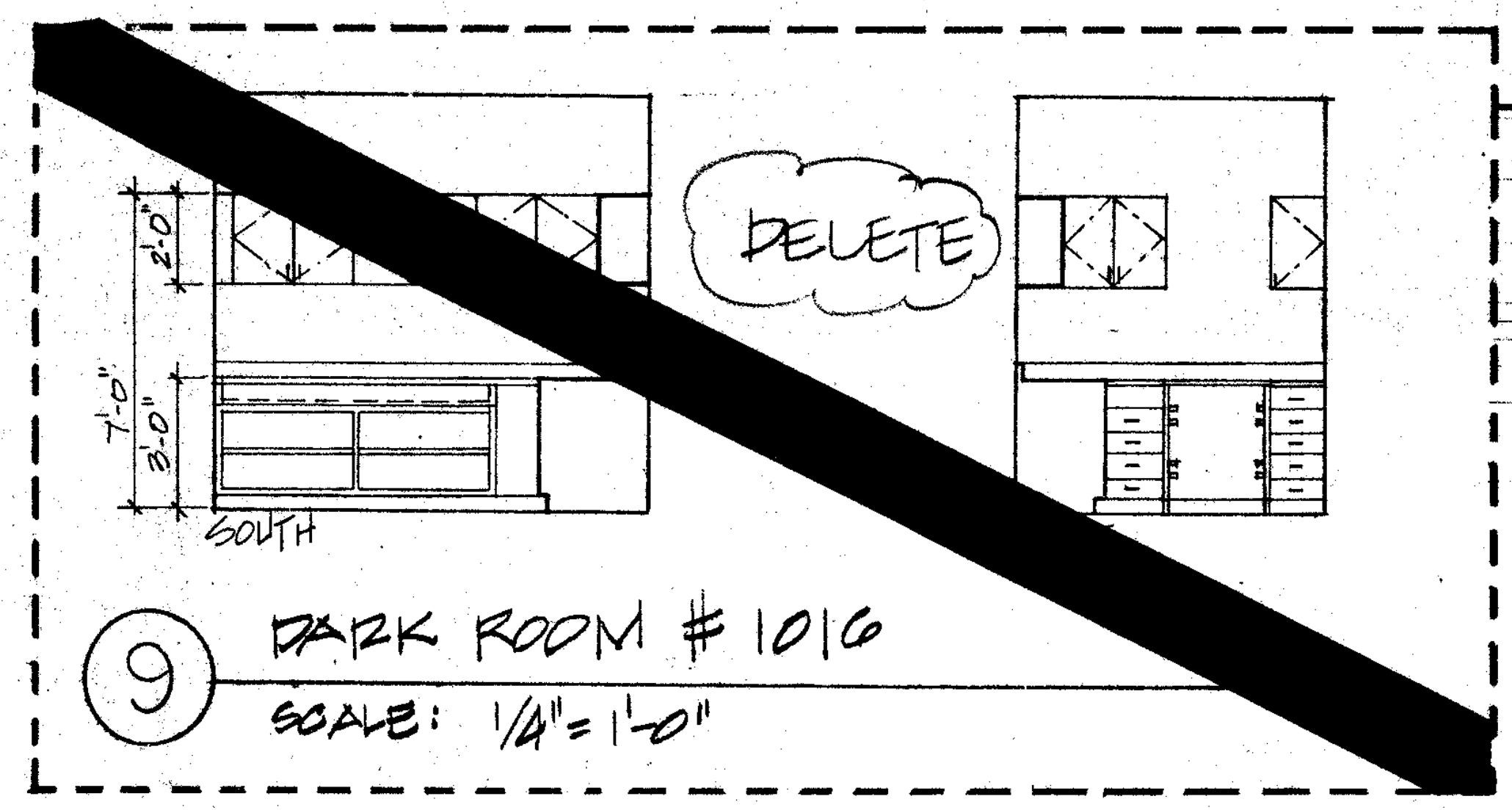

301 302 302 301
12" D
300/4 EQ. x 12" D.
OPEN
LIGHT VALANCE
MASONITE PEG BOARD
KNEE SPACE
WEST
230 230
18"W x 24"D 18"W x 24"D


18" DEEP P. LAM. ADJ. SHELF
HEAVY DUTY K.V. SUPPORTS AND BRACKETS NICKEL FIN. (TYP.)
4" P. LAM. BACKSPLASH (TYP.)
PLUG MOLD
KNEE SPACE
NORTH
441M
36"W x 24"D
PROVIDE ADJ. SHELVES @ ALL CABINETS
NOTE: ALL CABINETS & DRAWERS TO BE LOCKABLE @ RM. #1015
PLUG MOLD
KNEE SPACE
WEST
102 M. 230
36"W x 24"D 18"W x 24"D

⑦ RECORDING #1015
SCALE: 1/4" = 1'-0"

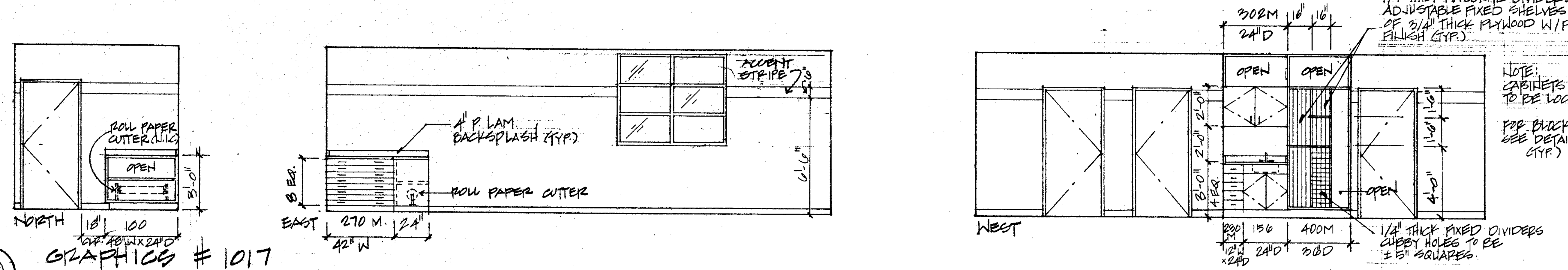

EQ. EQ.
4'-0" x 16'-0" LIQUID MARKER BOARD
WEST

⑧ ALT. LEARNING CENTER #1001
1/4" = 1'-0"


DELETE
SOUTH

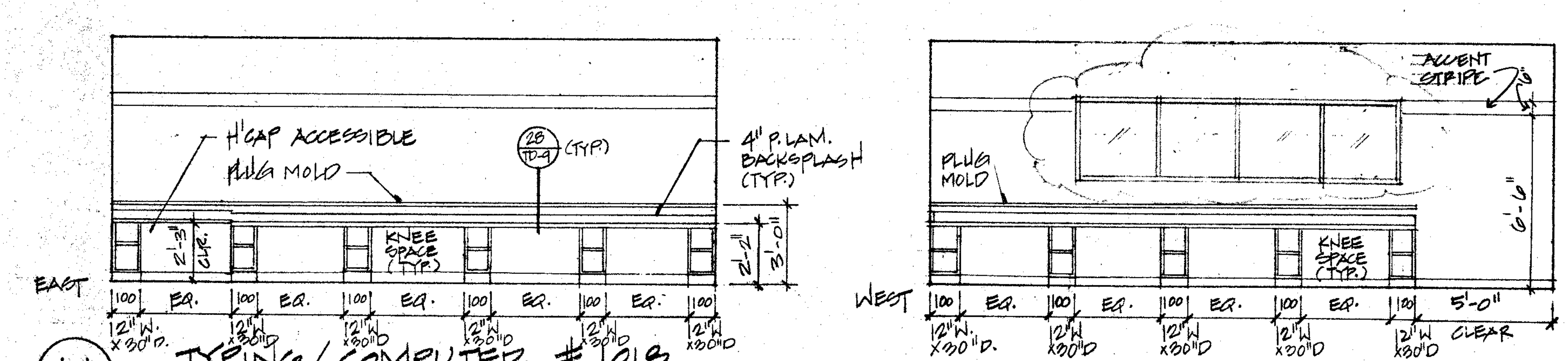
NOTE: SEE DARK ROOM #1016 FLOOR PLAN & EQUIPMENT SCHEDULE ON SHEET A-1010

⑨ DARK ROOM #1016
SCALE: 1/4" = 1'-0"

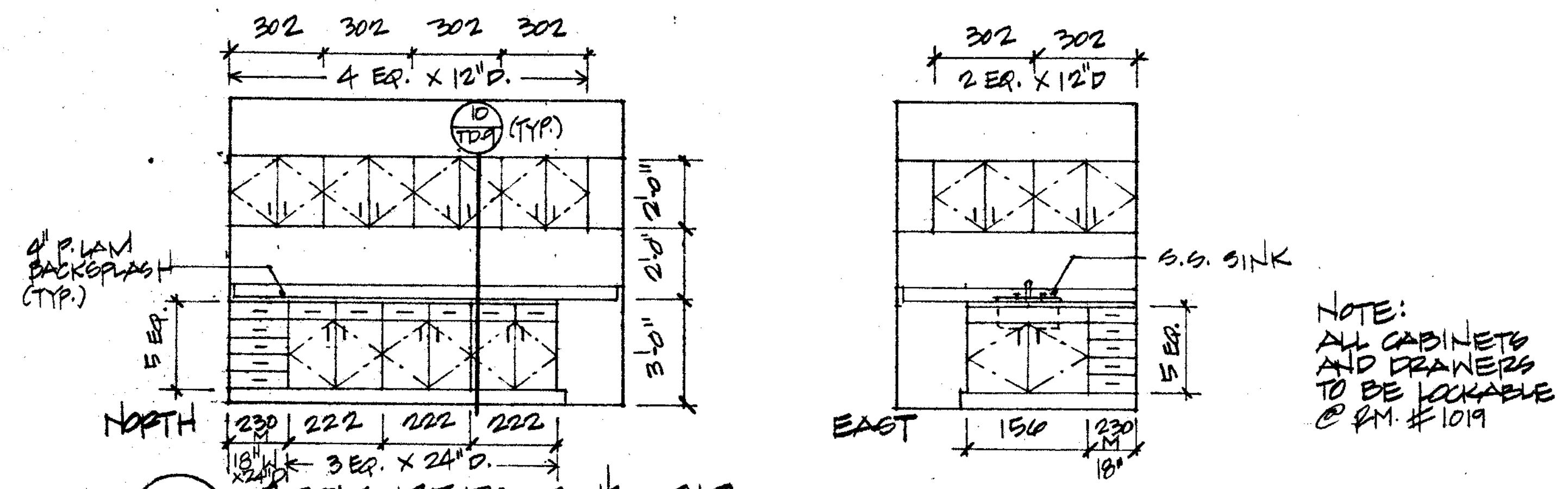

ROLL PAPER CUTTER
OPEN
NORTH
18" 100
30"W x 24"D
ACCENT STRIPE
4" P. LAM. BACKSPLASH (TYP.)
ROLL PAPER CUTTER
EAST
270 M. 24"
42"W
302M 18" 18"
24"D
OPEN OPEN
1/4" THICK MASONITE DIVIDERS, ADJUSTABLE FIXED SHELVES & DIVIDERS OF 3/4" THICK PLYWOOD W/P. LAM. FINISH (TYP.)
NOTE: CABINETS & DRAWERS TO BE LOCKABLE.
FOR BLOCKING SEE DETAIL (TYP.)
OPEN
1/4" THICK FIXED DIVIDERS CUBBY HOLES TO BE ± 8" SQUARES.
WEST
230 156 400M
18" 24"D 30"D

⑩ GRAPHICS #1017
SCALE: 1/4" = 1'-0"

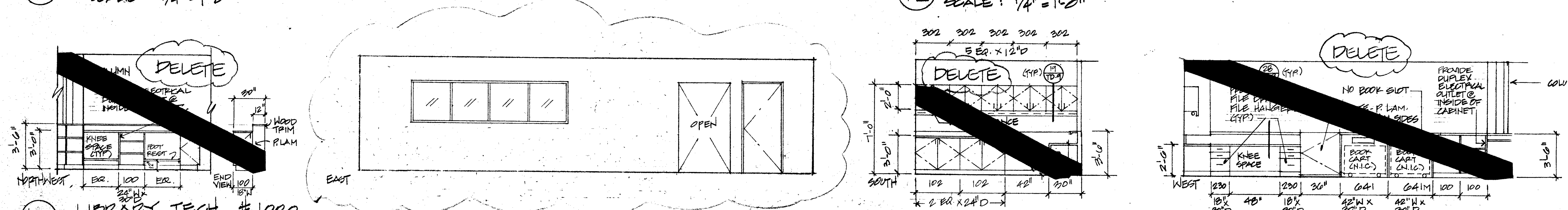
GENERAL NOTES:
1. NUMBER ABOVE DIMENSION LINE REFERS TO W.J.C. MODEL NO. U.N.O.
2. "M" SUFFIX REFERS TO MODIFICATION IN STD. DESIGN.
3. FOR TYPICAL MOUNTING OF CABINETS, REFER TO DETAIL 10/TD-9.
4. FOR FINISH SPECS, REFER TO CASEWORK FINISH SCHEDULE, SHEET TD-6


H'CAP ACCESSIBLE
PLUG MOLD
KNEE SPACE
4" P. LAM. BACKSPLASH (TYP.)
EAST
100 EQ. 100 EQ. 100 EQ. 100 EQ. 100 EQ. 100
12"W x 30"D
ACCENT STRIPE
PLUG MOLD
KNEE SPACE (TYP.)
WEST
100 EQ. 100 EQ. 100 EQ. 100 EQ. 100 5'-0" CLEAR

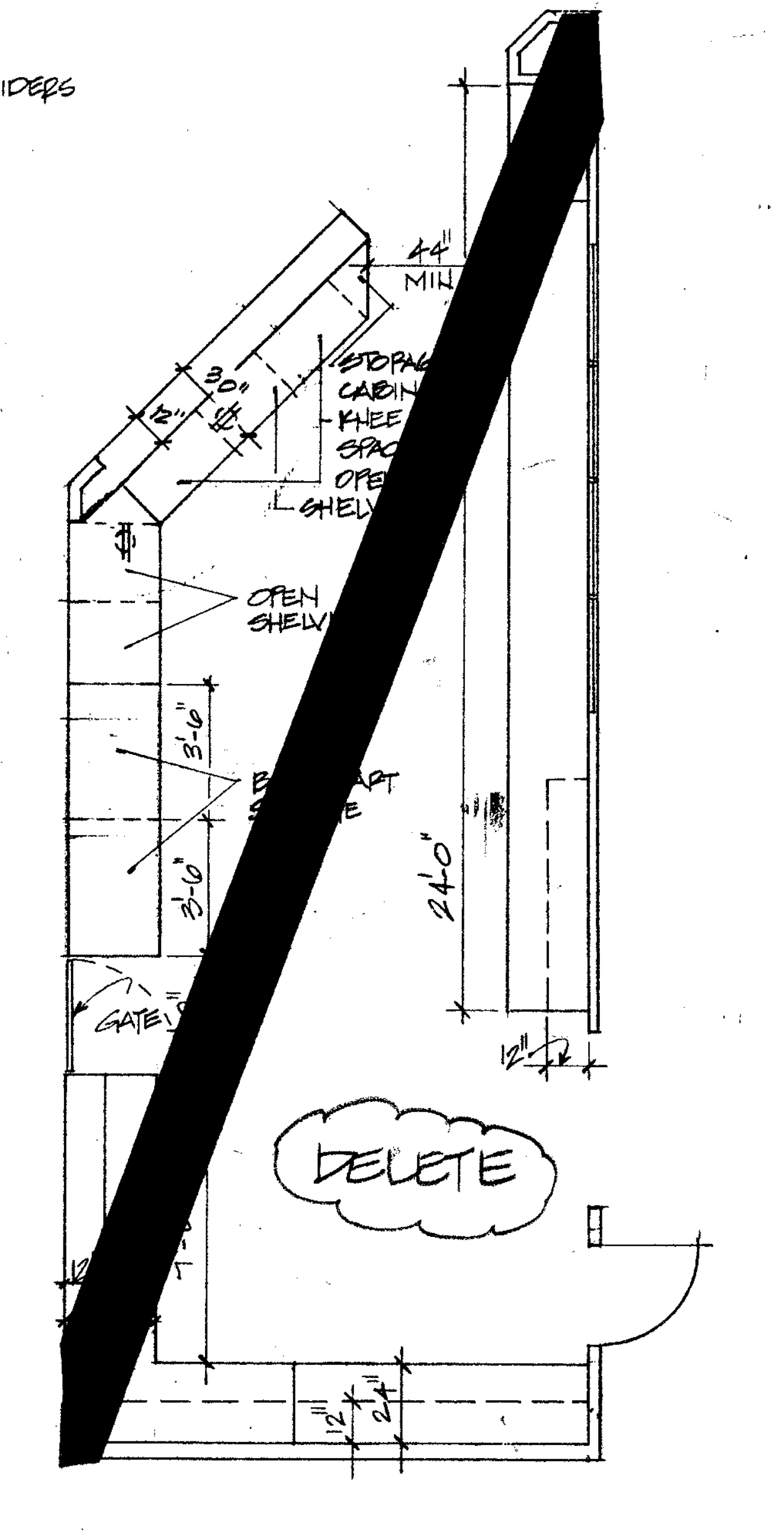
⑪ TYPING / COMPUTER #1018
SCALE: 1/4" = 1'-0"


302 302 302 302
4 EQ. x 12" D.
4" P. LAM. BACKSPLASH (TYP.)
NORTH
230 222 222 222
18"W 3 EQ. x 24" D.
302 302
2 EQ. x 12" D
S.S. SINK
EAST
156 230
18"
NOTE: ALL CABINETS AND DRAWERS TO BE LOCKABLE @ RM #1019

⑫ BOOK REPAIR #1019
SCALE: 1/4" = 1'-0"


DELETE
KNEE SPACE (TYP.)
WOOD TRIM
P. LAM
NORTHWEST
EQ. 100 EQ.
END VIEW
OPEN
EAST
302 302 302 302 302
5 EQ. x 12" D
DELETE
SOUTH
102 102 42"
2 EQ. x 24" D
DELETE
NO BOOK SLOT
PROVIDE DUPLEX ELECTRICAL OUTLET @ INSIDE OF CABINET
COLUMN
KNEE SPACE
BOOK CART (N.I.C.)
WEST
230 48" 230 30" 641 641M 100 100
18"W x 30"D 18"W x 30"D 42"W x 30"D 42"W x 30"D

⑬ LIBRARY TECH #1020
SCALE: 1/4" = 1'-0"


DELETE
OPEN SHELVES

⑭ PLAN VIEW-RECEPT. #1020
1/4" = 1'-0"

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A 49275 JUN 22 1988
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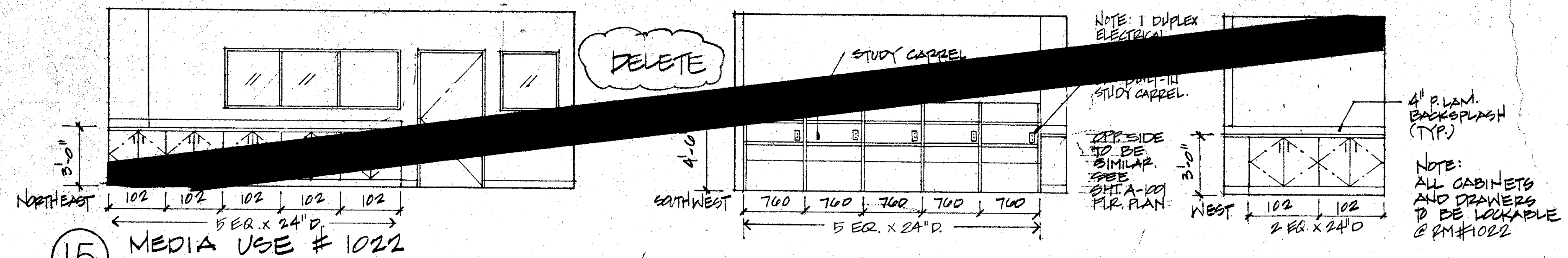
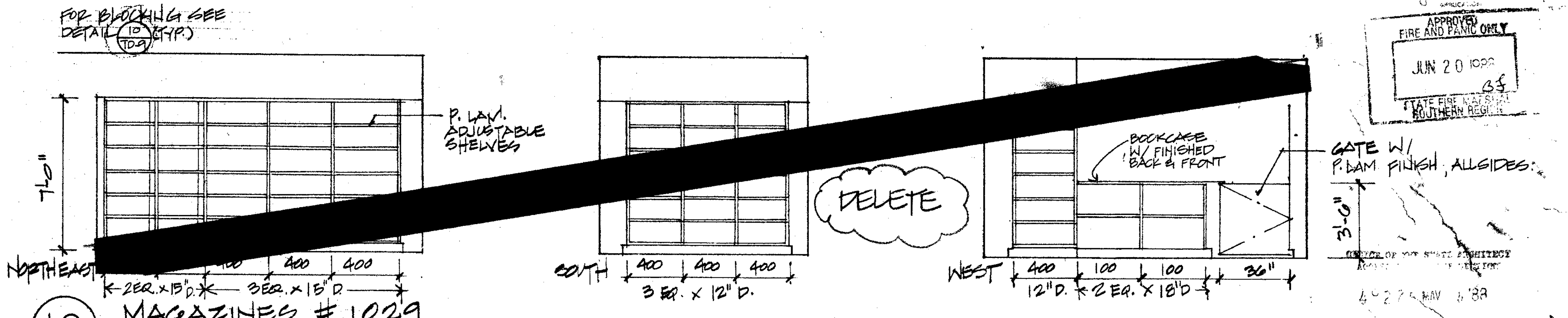
JUN 20 1988


DELETE
NORTHEAST
102 102 102 102 102
5 EQ. x 24" D.
NOTE: 1 DUPLEX ELECTRICAL
STUDY CARREL
OTHER SIDE TO BE SIMILAR. SEE SHT A-1009 FLR. PLAN.
SOUTHWEST
760 760 760 760 760
5 EQ. x 24" D.
4" P. LAM. BACKSPLASH (TYP.)
WEST
102 102
2 EQ. x 24" D

NOTE: ALL CABINETS AND DRAWERS TO BE LOCKABLE @ RM #1022

⑮ MEDIA USE #1022
SCALE: 1/4" = 1'-0"


FOR BLOCKING SEE DETAIL (TYP.)
P. LAM. ADJUSTABLE SHELVES
NORTHEAST
2 EQ. x 18" D. 3 EQ. x 18" D.
DELETE
SOUTH
400 400 400
3 EQ. x 12" D.
BOOKCASE W/ FINISHED BACK & FRONT
GATE W/ P. LAM FINISH, ALLSIDES.
WEST
400 100 100 36"
12" D. 2 EQ. x 18" D

⑯ MAGAZINES #1029
SCALE: 1/4" = 1'-0"

Drawn By
Checked By
Date MARCH 1988
Commission No. 1.30.02

Revisions
△ 6/29/88 PHASING
ADDENDUM 'D' 10/6/88

Architects, Planners
RUHNAU McGAVIN RUHNAU / ASSOCIATES
3775 Tenth Street Riverside, CA 92501-3669 714/684-4664
5751 Palmer Way, Suite C Carlsbad, CA 92008-1995 619/438-5899

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

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Bldg. No. 10
Interior Elevations

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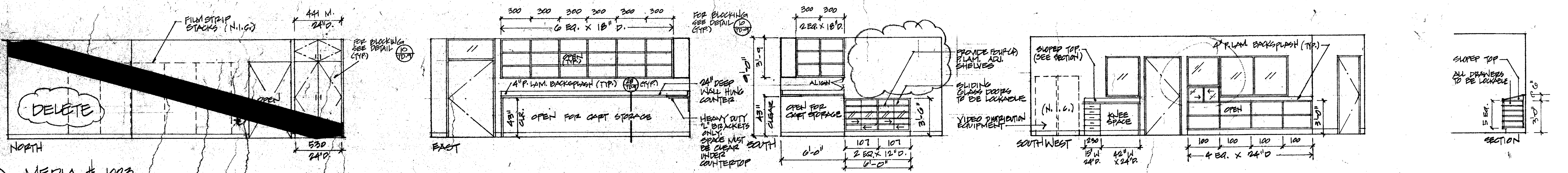
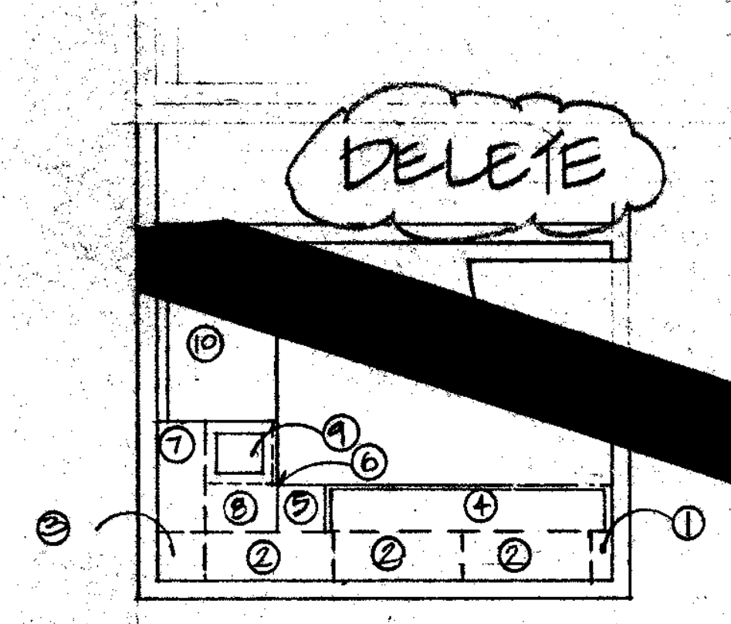
of Sheets


FILM STRIP STACKS (N.I.C.)
441 M.
24"D.
FOR BLOCKING SEE DETAIL 10/TD-9 (TYP.)
DELETE
OPEN
530
24"D.
NORTH
300 300 300 300 300 300
6 EQ. × 18" D.
FOR BLOCKING SEE DETAIL 10/TD-9 (TYP.)
OPEN (TYP.)
4" P. LAM. BACKSPLASH (TYP.) 28/TD-9 (TYP.)
24" DEEP WALL HUNG COUNTER
43" CLR.
OPEN FOR CART STORAGE
HEAVY DUTY "L" BRACKETS ONLY. SPACE MUST BE CLEAR UNDER COUNTERTOP
EAST
9'-0"
3'-9"
43" CLEAR
300 300
2 EQ. × 18"D.
ALIGN
OPEN FOR CART STORAGE
PROVIDE FOUR (4) P.LAM. ADJ. SHELVES
SLIDING GLASS DOORS TO BE LOCKABLE
3'-6"
SOUTH
6'-0"
107 107
2 EQ. × 12"D.
6'-0"
SLOPED TOP. (SEE SECTION)
4" P.LAM. BACKSPLASH (TYP.)
VIDEO DISTRIBUTION EQUIPMENT
(N.I.C.)
KNEE SPACE
OPEN
3'-0"
SOUTHWEST
230
15"W 24"D.
42"W × 24"D.
100 100 100 100
4 EQ. × 24"D
SLOPED TOP
ALL DRAWERS TO BE LOCKABLE
5 EQ.
3'-0"
1'-6"
SECTION

① MEDIA # 1023
SCALE: 1/4" = 1'-0"


DELETE
⑩
⑦
⑨
⑥
⑧
⑤
④
③
①
②
②
②
PLAN VIEW

② DK. ROOM #1016
SCALE: 1/4" = 1'-0"

EQUIPMENT SCHEDULE* FOR DARK ROOM # 1016

ITEM #	QTY.	MODEL #	DESCRIPTION
①	1	WF324	WALL CABINET TO WALL FILLER PANEL
②	3	W332413	WALL CABINET
③	1	WC	WALL CABINET CORNER FILLER PANEL
④	1	1868BCEI/TRW-B	TYPE 316 16 GAUGE S/S PHOTOGRAPHIC PROCESSING SINK ON CABINET BASE W/COMPLETE PHOTOGRAPHIC PLUMBING PACKAGE
⑤	1	STD25/0120EL	BASE CABINET COUNTERTOP 25" x 12" W/ENDSPLASH LEFT
⑥	1	BF1236	BASE CABINET FILLER PANEL
	1	BC	BASE CABINET CORNER FILLER PANEL
[redacted]	[redacted]	W272413	WALL CABINET
[redacted]	[redacted]	[redacted]	~~WALL CABINET~~
⑧	[redacted]	[redacted]	BASE CABINET COUNTERTOP 30" x 40" W/ENDSPLASH LEFT
	1	[redacted]	COUNTERTOP FIELD JOINT
⑨	1	1012SVL	[redacted] x 12" SAFELIGHT NEGATIVE INSPECTION
	1	VIC150624	[redacted] CASE
	1	DK153024	[redacted] CABINET TO ACCEPT VIEWER [redacted]
	2	LT15	[redacted]
⑩	1	EWS36	ADJUS [redacted] STATION
⑪	1	STD30/0160ER	BASE CABINE [redacted] 16" W/ENDSPLASH RIGHT
	1	BF15	BASE CABINET TO WALL [redacted]

DELETE

*NOTE: EQUIPMENT TO BE AS SPECIFIED BY PHOTO LAB FABRICATIONS & KREONITE (OR EQUAL).

GENERAL NOTES:

1. NUMBER ABOVE DIMENSION LINE REFERS TO W.I.C. MODEL NO. U.N.O.
2. "M" SUFFIX REFERS TO MODIFICATION IN STD. DESIGN.
3. FOR TYPICAL MOUNTING OF CABINETS, REFER TO DETAIL 10/TD-9
4. FOR FINISH SPECS, REFER TO CASEWORK FINISH SCHEDULE, SHEET TD-6

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SEC.
49275 MAY 4 '88
APPLICATION NO.

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPLICATION NO.

APPROVED FIRE AND PANIC ONLY
JUN 20 1988
STATE FIRE MARSHAL SOUTHERN REGION

Drawn By
Checked By
Date MARCH 1988
Commission No. 1.30.02

Revisions
1 6/29/88 PHASING
ADDENDUM 'D' 10/6/88

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
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619/438-5899

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Interior Elevations

Sheet Number
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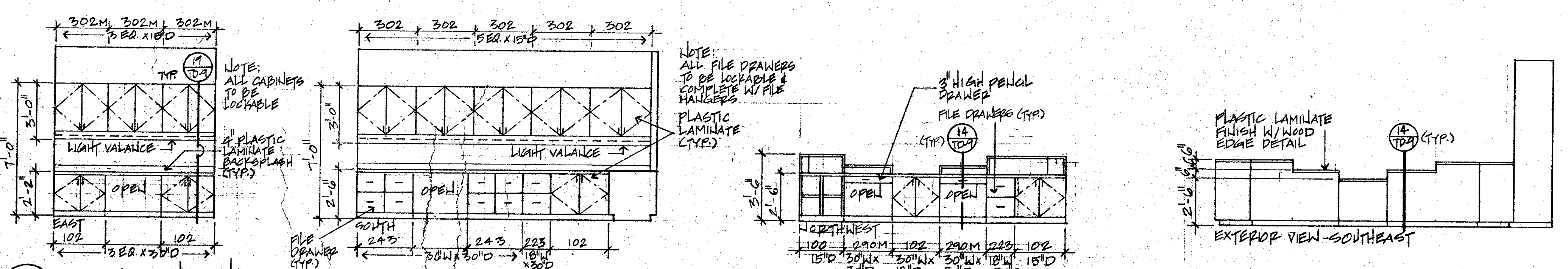
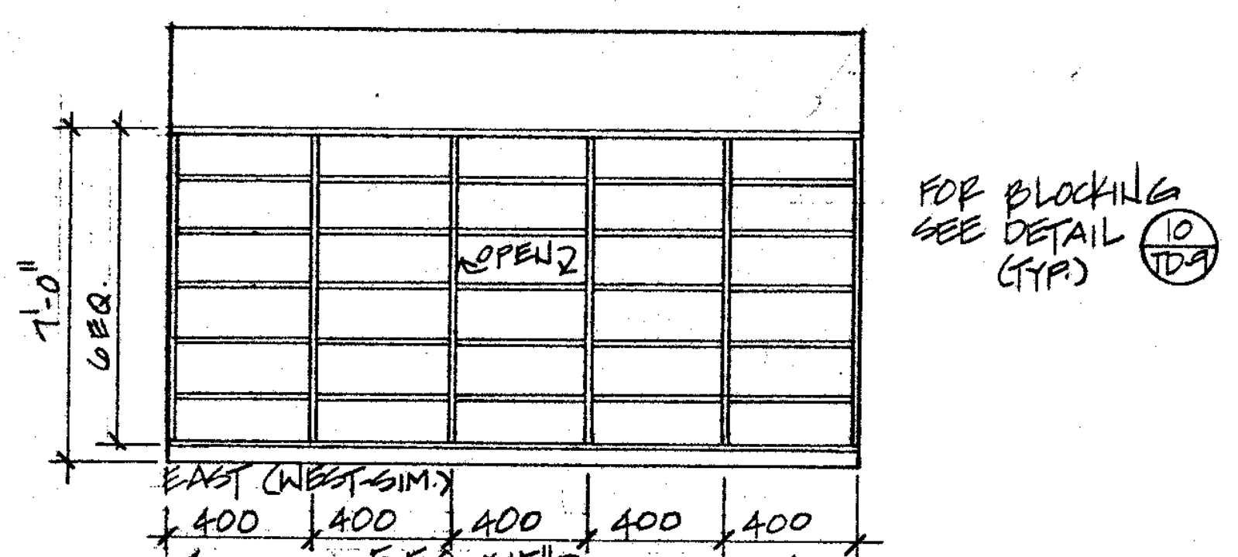
Of Sheets


302M
302M
302M
3 EQ. x 15"D
TYP.
19/TD-9
NOTE: ALL CABINETS TO BE LOCKABLE
3'-0"
7'-0"
2'-2"
LIGHT VALANCE
4" PLASTIC LAMINATE BACKSPLASH (TYP.)
OPEN
EAST
102
102
3 EQ. x 30"D
302
302
302
302
302
5 EQ. x 15"D
NOTE: ALL FILE DRAWERS TO BE LOCKABLE & COMPLETE W/ FILE HANGERS
PLASTIC LAMINATE (TYP.)
3'-0"
7'-0"
2'-6"
LIGHT VALANCE
OPEN
FILE DRAWER (TYP.)
SOUTH
243
243
223
102
36"W x 30"D
18"W x 30"D
3" HIGH PENCIL DRAWER
FILE DRAWERS (TYP.)
(TYP.)
14/TD-9
3'-6"
2'-6"
OPEN
OPEN
NORTHWEST
100
15"D
290M
30"W x 30"D
102
30"W x 18"D
290M
30"W x 30"D
223
18"W x 30"D
102
15"D
PLASTIC LAMINATE FINISH W/ WOOD EDGE DETAIL
14/TD-9
(TYP.)
2'-6"
6"
6"
EXTERIOR VIEW - SOUTHEAST

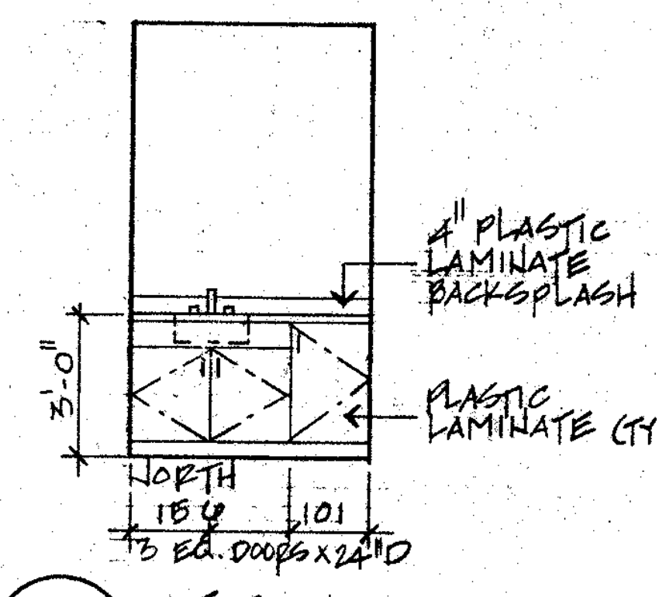
① RECEPTION @ #1004 A
1/4" = 1'-0"

GENERAL NOTES:

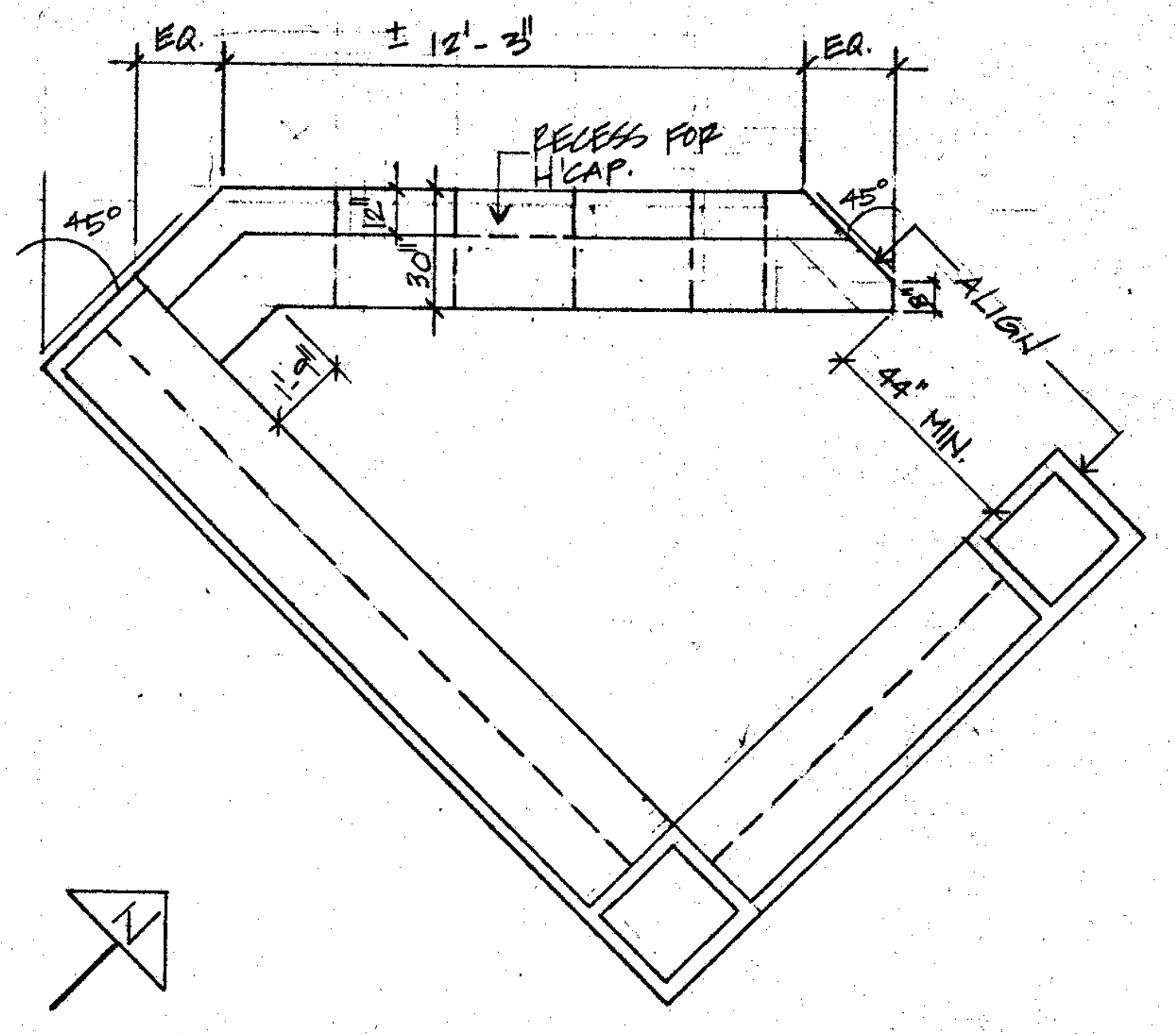
1. NUMBER ABOVE DIMENSION LINE REFERS TO W.I.C. MODEL NO. U.N.O.
2. "M" SUFFIX REFERS TO MODIFICATION IN STD. DESIGN.
3. FOR TYPICAL MOUNTING OF CABINETS. REFER TO DETAIL 10/TD-9.
4. FOR FINISH SPECS, REFER TO CASEWORK FINISH SCHEDULE, SHEET TD-6


7'-0"
6 EQ.
OPEN
FOR BLOCKING SEE DETAIL 10/TD-9 (TYP.)
EAST (WEST-SIM.)
400
400
400
400
400
5 EQ. x 15"D

② STOR./CUSTODIAN #1014A
1/4" = 1'-0"


4" PLASTIC LAMINATE BACKSPLASH
PLASTIC LAMINATE (TYP.)
3'-0"
NORTH
156
101
3 EQ. DOORS x 24"D

③ STOR. #1009A
1/4" = 1'-0"


EQ.
± 12'-3"
EQ.
RECESS FOR H'CAP.
45°
45°
12"
30"
18"
1'-9"
ALIGN
44" MIN.

④ PLAN VIEW - RECEPTION #1004A
1/4" = 1'-0"

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
John P. M. Canty
APPLICATION NO.
PRINCIPAL STRUCTURAL ENGINEER

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88
APPLICATION NO.

APPROVED
FIRE AND PANIC ONLY
JUN 20 1988
93
STATE FIRE MARSHAL
SOUTHERN REGION

Drawn By
Checked By
Date MARCH 1988
Commission No. 1.30.02

Revisions
△ 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664
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ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

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Bldg. No. 10
Interior Elevations

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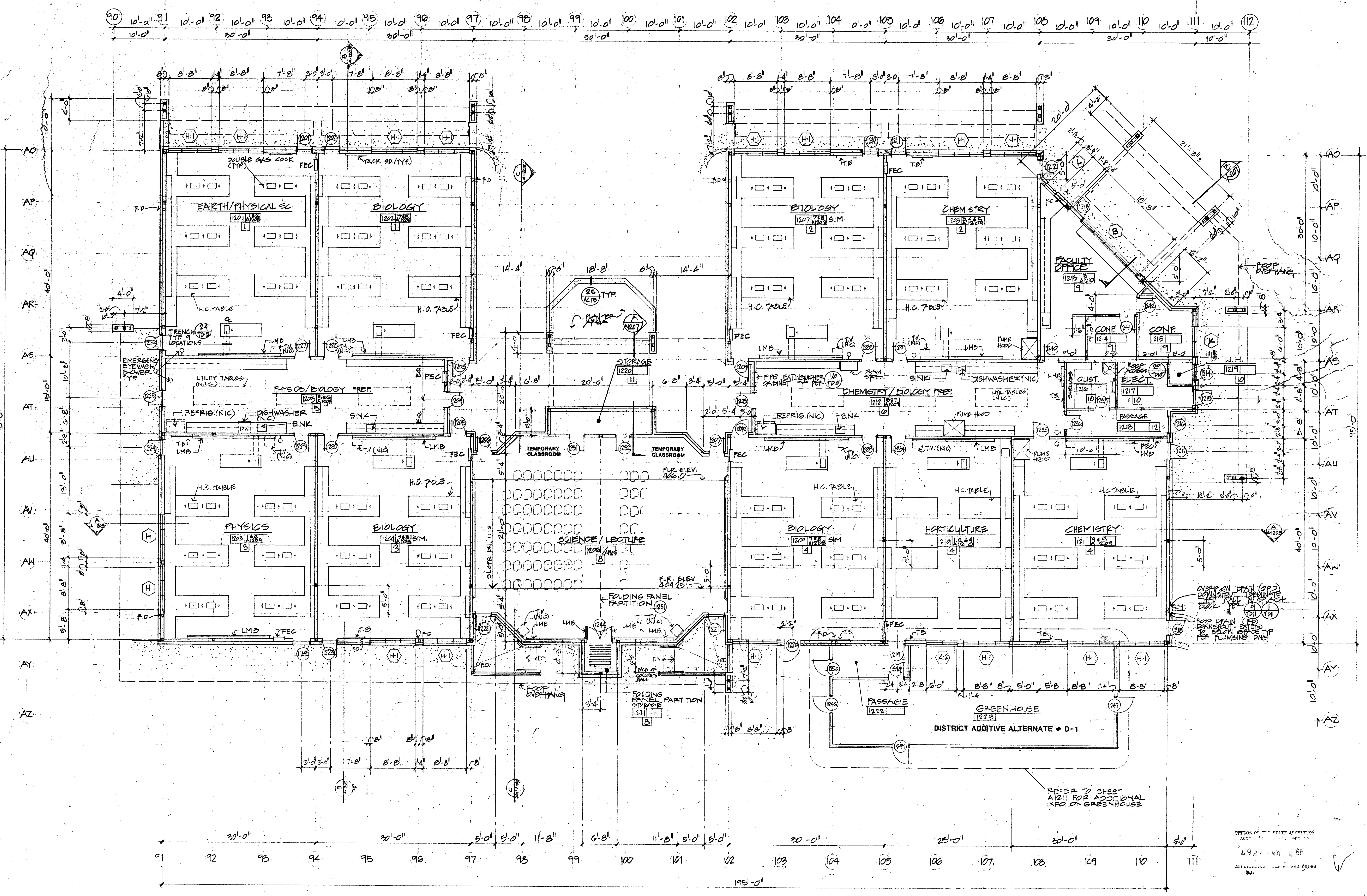
of Sheets



200'-0"
195'-0"
EARTH/PHYSICAL SC. 1201
BIOLOGY 1202
BIOLOGY 1207 SIM.
CHEMISTRY 1208
FACULTY OFFICE 1213
CONF. 1214
CONF. 1215
CUST. 1216
ELECT. 1217
PASSAGE 1218
W.H. 1219
STORAGE 1220
PHYSICS/BIOLOGY PREP. 1205
CHEMISTRY/BIOLOGY PREP. 1212
TEMPORARY CLASSROOM
SCIENCE/LECTURE 1206
FLR. ELEV. 406.0
FLR. ELEV. 404.25
FOLDING PANEL PARTITION
PHYSICS 1203
BIOLOGY 1204 SIM.
BIOLOGY 1209 SIM.
HORTICULTURE 1210
CHEMISTRY 1211
PASSAGE 1222
GREENHOUSE 1223
DISTRICT ADDITIVE ALTERNATE # D-1
REFER TO SHEET A1211 FOR ADDITIONAL INFO. ON GREENHOUSE
FOLDING PANEL PARTITION STORAGE 1221
ROOF OVERHANG
H.C. TABLE
LMB
FEC
SINK
REFRIG.(NIC)
DISHWASHER (NIC)
FUME HOOD
EMERGENCY EYEWASH/SHOWER TYP.
DOUBLE GAS COCK (TYP)
TACK BD.(TYP.)
90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112
AO AP AQ AR AS AT AU AV AW AX AY AZ

SCIENCE · BLDG. NO.12
FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTES:
1. SEE SPECIFICATIONS SECTION 10652 PAGE 2 FOR FLAME SPREAD AND SMOKE CLASSIFICATION FOR FOLDING PANEL PARTITION

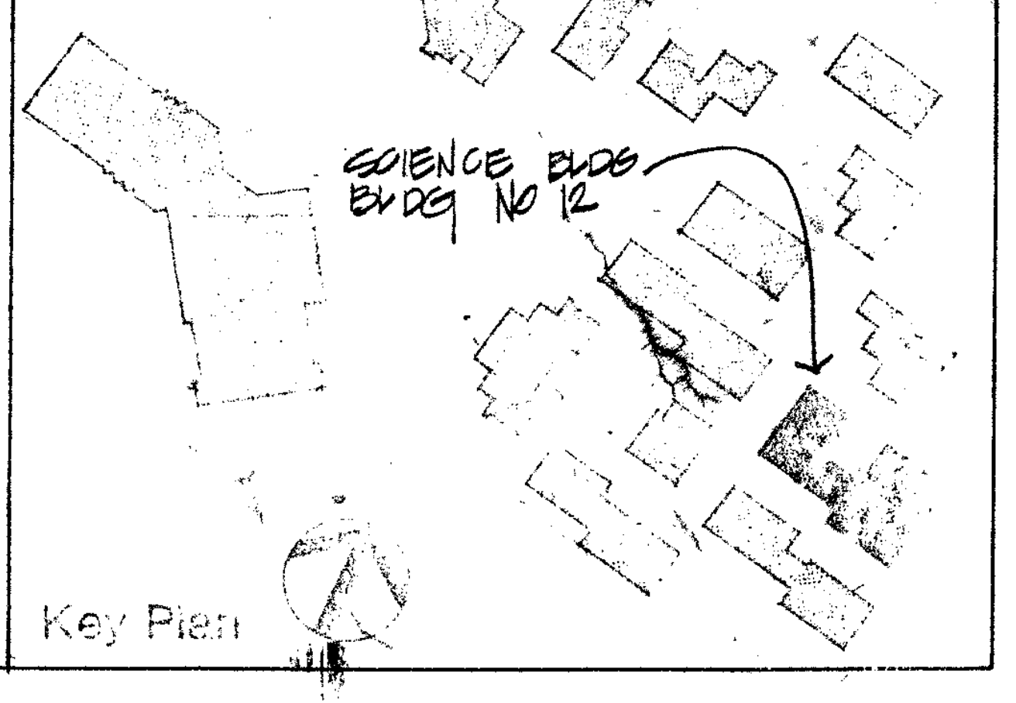
WALL SCHEDULE BLDG NO. 12

▨	2x10 WOOD STUDS @ 16" o/c W/ 6" BATT INSULATION AND EXTERIOR CONC. BLOCK VENEER
═	2x6 WOOD STUDS @ 16" o/c BRACED ABOVE CEILING PER DETAIL 13/TD12
▒	2x6 WOOD STUDS @ 16" o/c. EXTEND TO UNDERSIDE OF ROOF PER 14/TD12 SEE NOTE #1
∞	2x6 WOOD STUDS @ 16" o/c EXTEND TO UNDERSIDE OF ROOF SHEATING. PROVIDE BATT INSULATION @ STUDS FOR SOUND CONTROL PER 16/TD12

NOTES
1. REFER TO REFLECTED CEILING PLAN FOR LOCATION & DETAIL REFERENCES OF FIRE RATED WALLS AND AREA SEPERATION WALLS

OFFICE OF THE STATE ARCHITECT
4927 MAY 4 '88
APPLICATION NO.

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPROVED P. M. Court
APPLICATION NO.
PRINCIPAL STRUCTURAL ENGINEER



SCIENCE BLDG BLDG NO 12
Key Plan

Drawn By
Checked By
Date MAR 1988
Commission No. 13002

Revisions
△ 6/29/88 PHASING

Architects Planners
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West Hills High School
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Science - Bldg. No.12
Floor Plan

Sheet Number
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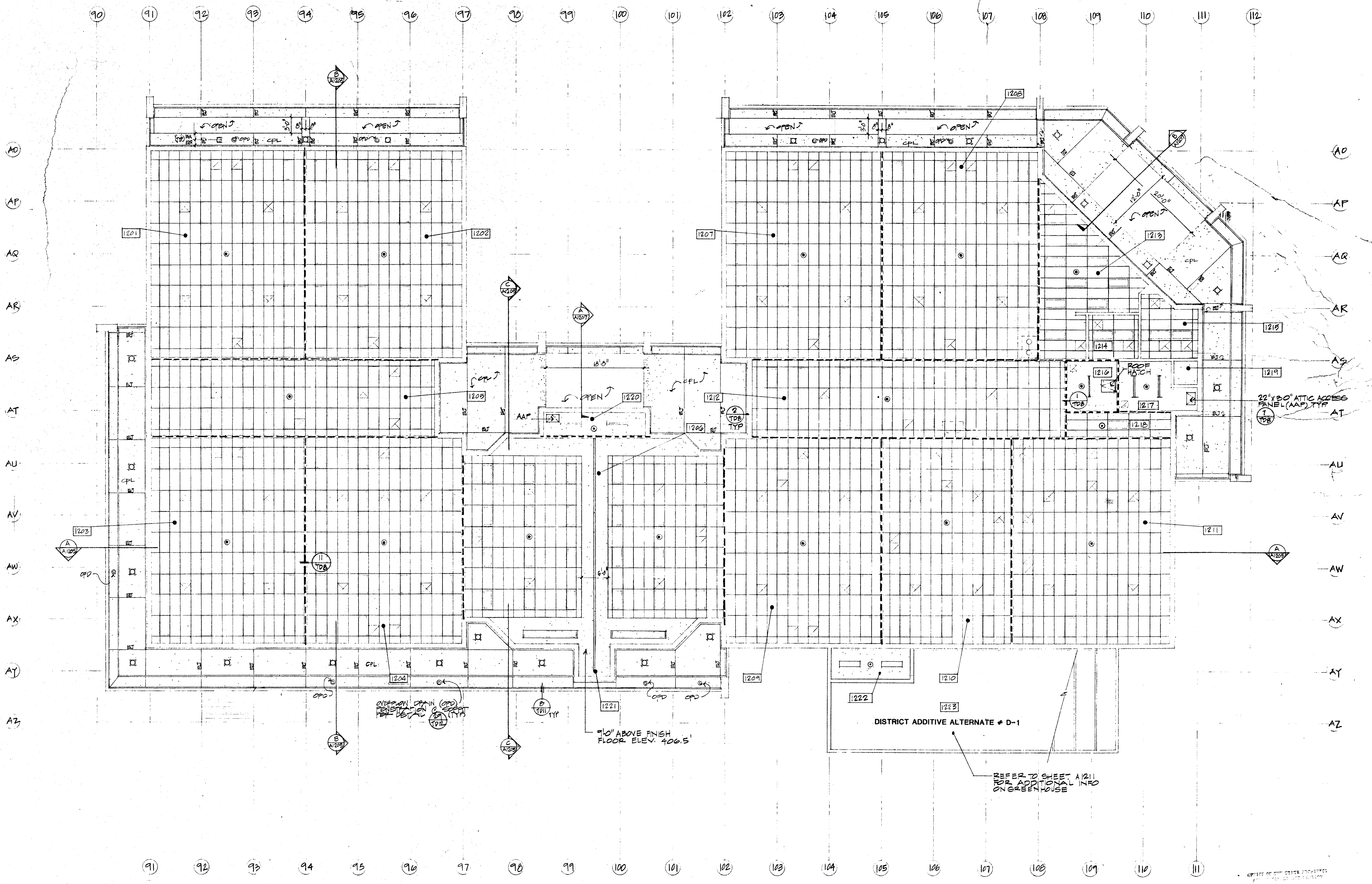
REFLECTED CEILING LEGEND

‐ ‐ ‐ ‐	ONE HOUR SEPARATION (14/TD12)
— — —	TWO HOUR SEPARATION (15/TD12)
—·—	FOUR HOUR SEPARATION
▨	GYPSUM BOARD SOFFIT OR CEILING (1/TD8)
CPL	CEMENT PLASTER SOFFIT OR CEILING (2/TD8)
▤	EXPOSED METAL DECKING
▦	ACOUSTICAL CEILING TILE GLUED TO GYPSUM BOARD
▦	2X4 SUSPENDED ACOUSTICAL CEILING PANELS (11/TD8)
▦	2X2 SUSPENDED ACOUSTICAL CEILING PANELS (11/TD8)
▭	RECESSED LIGHT FIXTURE
▭	SURFACE MOUNTED LIGHT FIXTURE
⊡	RECESSED DOWN LIGHT
▬	SURFACE MOUNTED STRIP LIGHT
⊥	WALL MOUNTED LIGHT FIXTURE
○	PENDANT MOUNTED LIGHT FIXTURE
⊙	FIRE DETECTION DEVICE
▣	RADIANT HEATER
☒	SUPPLY DIFFUSER
⧄	RETURN AIR DIFFUSER
⧅	EXHAUST AIR DIFFUSER
▤	SOFFIT DIFFUSER
SL	SKYLIGHT
▷	ROOF HATCH
⊗	EXIT LIGHT
EJ	EXPANSION JOINT (13B/TD8)
100	ROOM NUMBER

NOTE:

STRIP & SHEATH UNDERSIDE OF STRUCTURAL FRAMING PER (10/TD8) TO COMPLY W/A 1-HR FIRE RATING TYP @ ROOMS 1216 & 1217



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C A1205
A A1207
B A1207
A A1205
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1210
1211
1212
1213
1214
1215
1216
1217
1218
1219
1220
1221
1222
1223
OPEN
3'-0"
8"
CPL
OFD
EJ
AAP
18'-8"
6'-0"
12'-0"
20'-0"
2 TD8 TYP
11 TD8
1 TD8
ROOF HATCH
22"x30" ATTIC ACCESS PANEL (AAP) TYP (1/TD8)
OVERFLOW DRAIN (OFD) PENETRATION @ SOFFIT PER DETAIL (29/TD12) (TYP)
8 TD11 TYP
9'-0" ABOVE FINISH FLOOR ELEV. 406.5'
DISTRICT ADDITIVE ALTERNATE # D-1
REFER TO SHEET A1211 FOR ADDITIONAL INFO ON GREENHOUSE

SCIENCE BLDG. NO. 12
REFLECTED CEILING PLAN
1/8" = 1'-0"

OFFICE OF THE STATE ARCHITECT

A 9 2 7 5 MAY 4 '88

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION

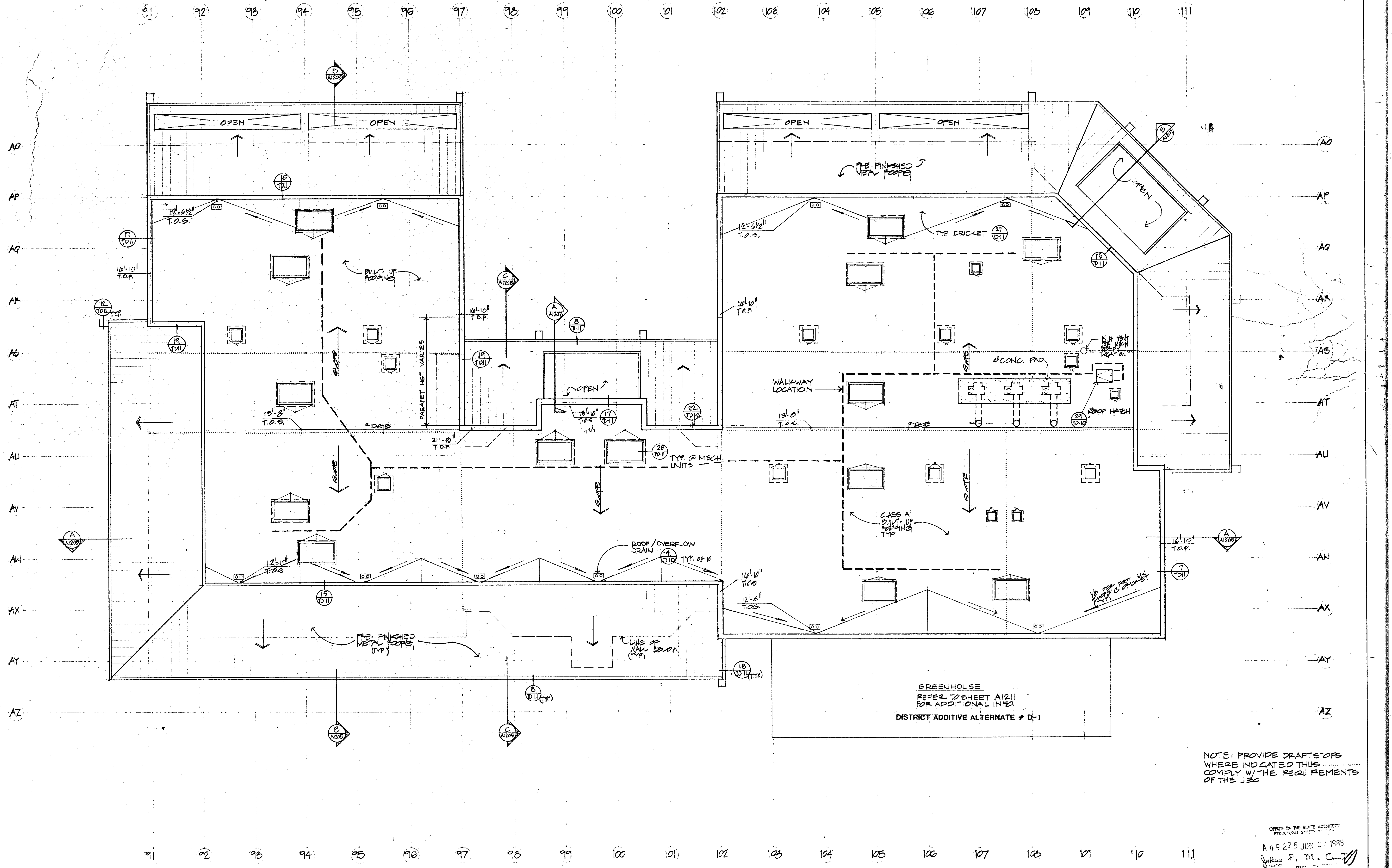
A 4 9 27 5 JUN 22 1988

John P. M. Cont

APPROVED
FIRE AND PANIC ONLY

BJ

Drawn By Checked By Date MAR 1988 Commission No. 13002	Revisions A 6/29/88 PHASING	Architects Planners RUHNAU McGAVIN RUHNAU/ASSOCIATES 3775 Tenth Street Riverside, CA 92501-3669 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-1995 619/438-5899	ARCHITECT C-6497	West Hills High School Grossmont Union High School District San Diego, Ca San Diego County	Science – Bldg. No. 12 Reflected Ceiling Plan	Sheet Number A-1202 Of Sheets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110
111
AO
AP
AQ
AR
AS
AT
AU
AV
AW
AX
AY
AZ
OPEN
OPEN
OPEN
OPEN
OPEN
OPEN
PRE-FINISHED METAL ROOFS
BUILT-UP ROOFING
TYP CRICKET
12'-6½" T.O.S.
16'-10" T.O.P.
16'-10" T.O.P.
PARAPET HGT VARIES
13'-8" T.O.S.
21'-0" T.O.P.
13'-10" T.O.S.
RIDGE
RIDGE
SLOPE
WALKWAY LOCATION
4" CONC. PAD
ROOF HATCH
TYP. @ MECH. UNITS
CLASS 'A' BUILT-UP ROOFING TYP
ROOF/OVERFLOW DRAIN
TYP. OP 10
12'-11" T.O.S.
16'-10" T.O.P.
12'-8" T.O.S.
PRE-FINISHED METAL ROOFS (TYP.)
LINE OF WALL BELOW (TYP)
GREENHOUSE
REFER TO SHEET A1211 FOR ADDITIONAL INFO
DISTRICT ADDITIVE ALTERNATE # D-1
A A1205
B A1205
C A1205
17 TD11
12 TD11 TYP.
19 TD11
16 TD11
15 TD11
8 TD-11
28 TD-11
22 TD12
24 TD-12
27 TD-11
18 TD-11 (TYP)
8 TD-11 (TYP)

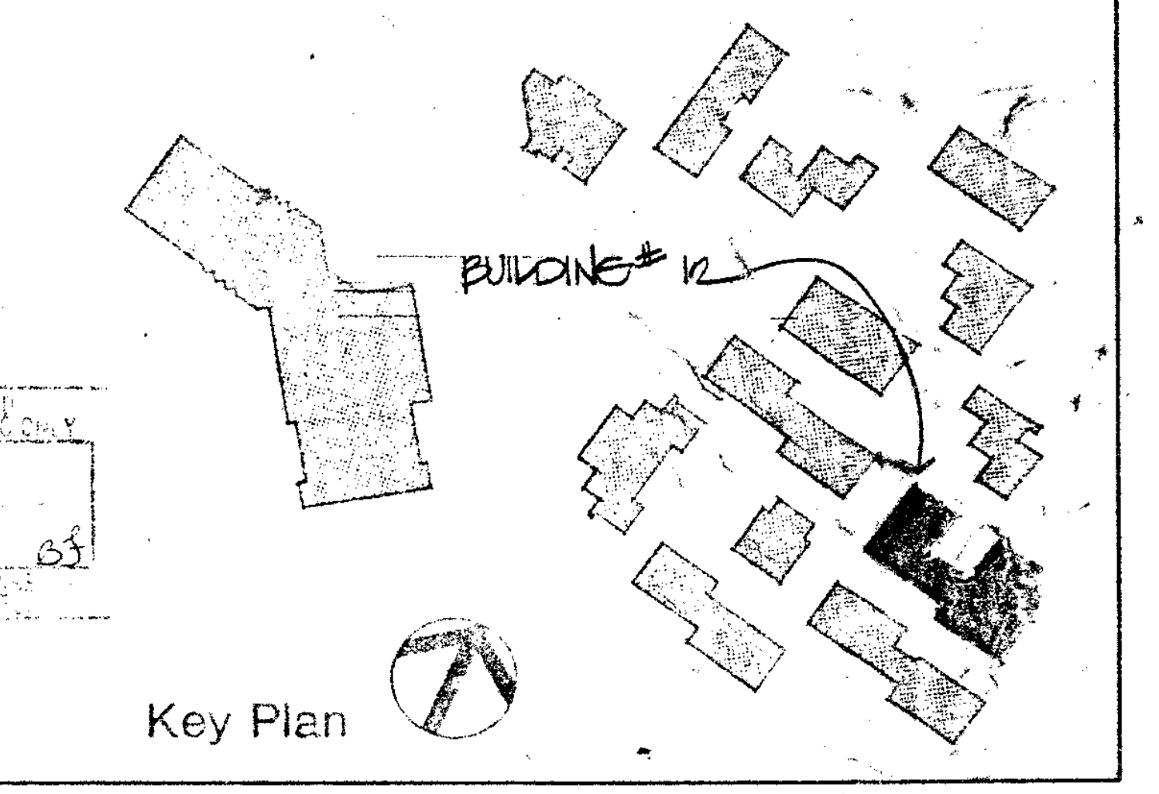
NOTE: PROVIDE DRAFTSTOPS WHERE INDICATED THUS .... COMPLY W/THE REQUIREMENTS OF THE UBC

N

SCIENCE - BLDG. NO. 12
ROOF PLAN
1/8" = 1'-0"

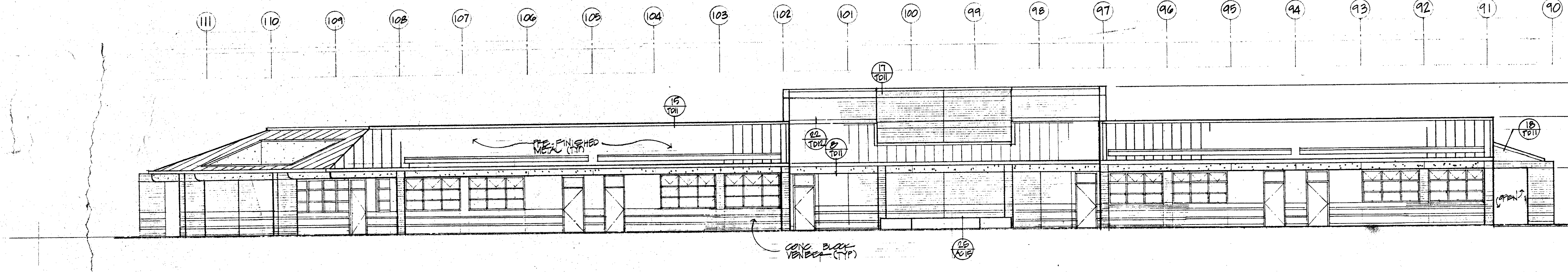
OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
John F. M. Conty
APPLICATION NO.

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
4927 MAY 4 '88

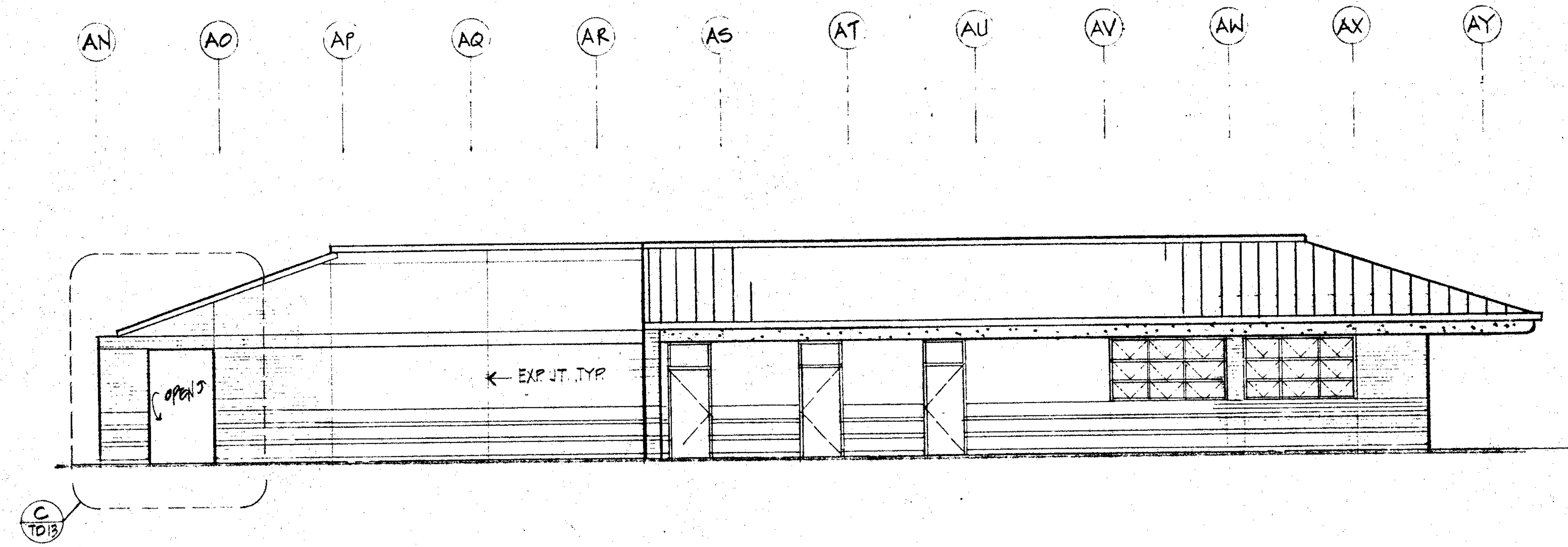

BUILDING # 12

Key Plan

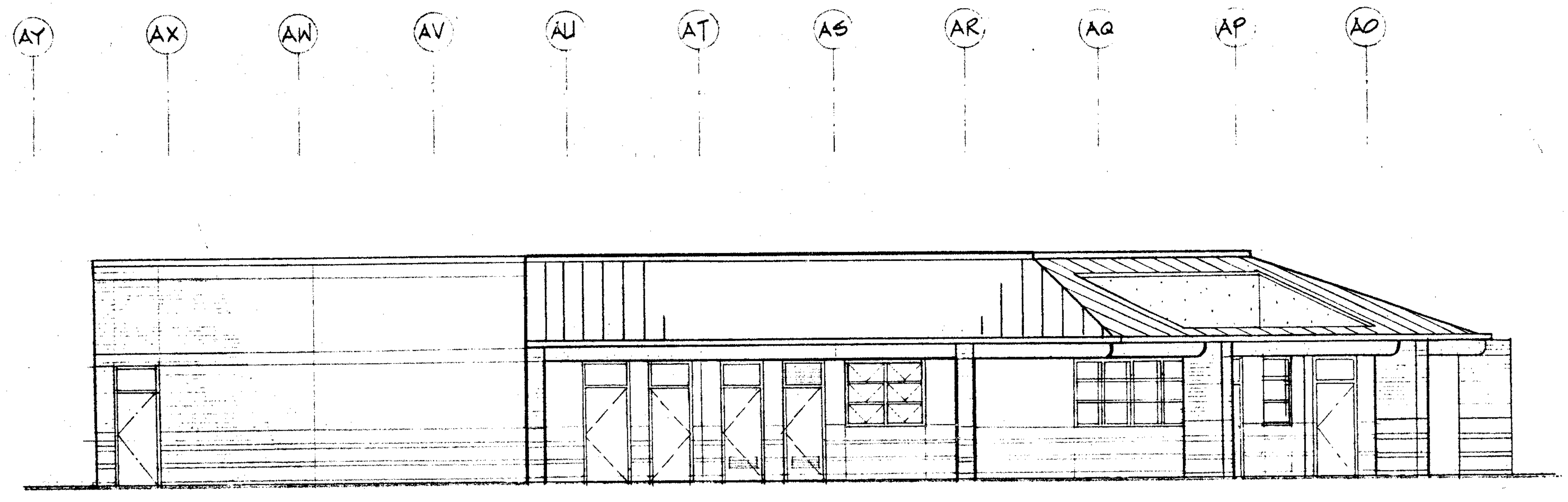
Drawn By Checked By Date MAR 1988 Commission No. 13002	Revisions A 6/29/88 PHASING	Architects Planners RUHNAU McGAVIN RUHNAU/ASSOCIATES 3775 Tenth Street Riverside, CA 92501-3869 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-1995 619/438-5899	ARCHITECT C-6497	**West Hills High School** Grossmont Union High School District San Diego, Ca San Diego County	**Science - Bldg. No. 12** **Roof Plan**	Sheet Number **A-1203** Of Sheets


111
110
109
108
107
106
105
104
103
102
101
100
99
98
97
96
95
94
93
92
91
90
17 TD11
15 TD11
PRE-FINISHED METAL (TYP)
22 TD12
8 TD11
18 TD11
OPEN
CONC BLOCK VENEER (TYP)
25 AC15
9'-0"
16'-10"
21'-9"

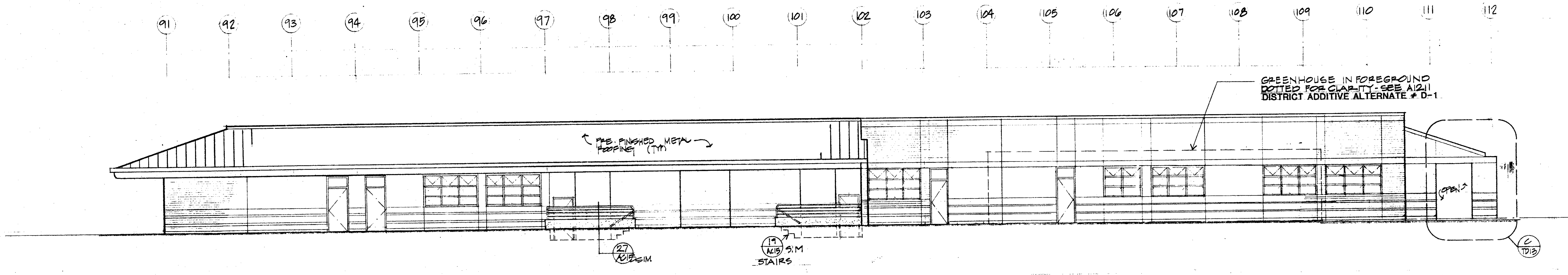
A AK04 NORTH ELEVATION - SCIENCE - BLDG. NO. 12
1/8"=1'-0"


AN
AO
AP
AQ
AR
AS
AT
AU
AV
AW
AX
AY
OPEN
EXP. JT. TYP
C TD13

B A1204 WEST ELEVATION - BLDG. NO. 12
1/8"=1'-0"


AY
AX
AW
AV
AU
AT
AS
AR
AQ
AP
AO

C A1204 EAST ELEVATION - BLDG. 12
1/8"=1'-0"


91
92
93
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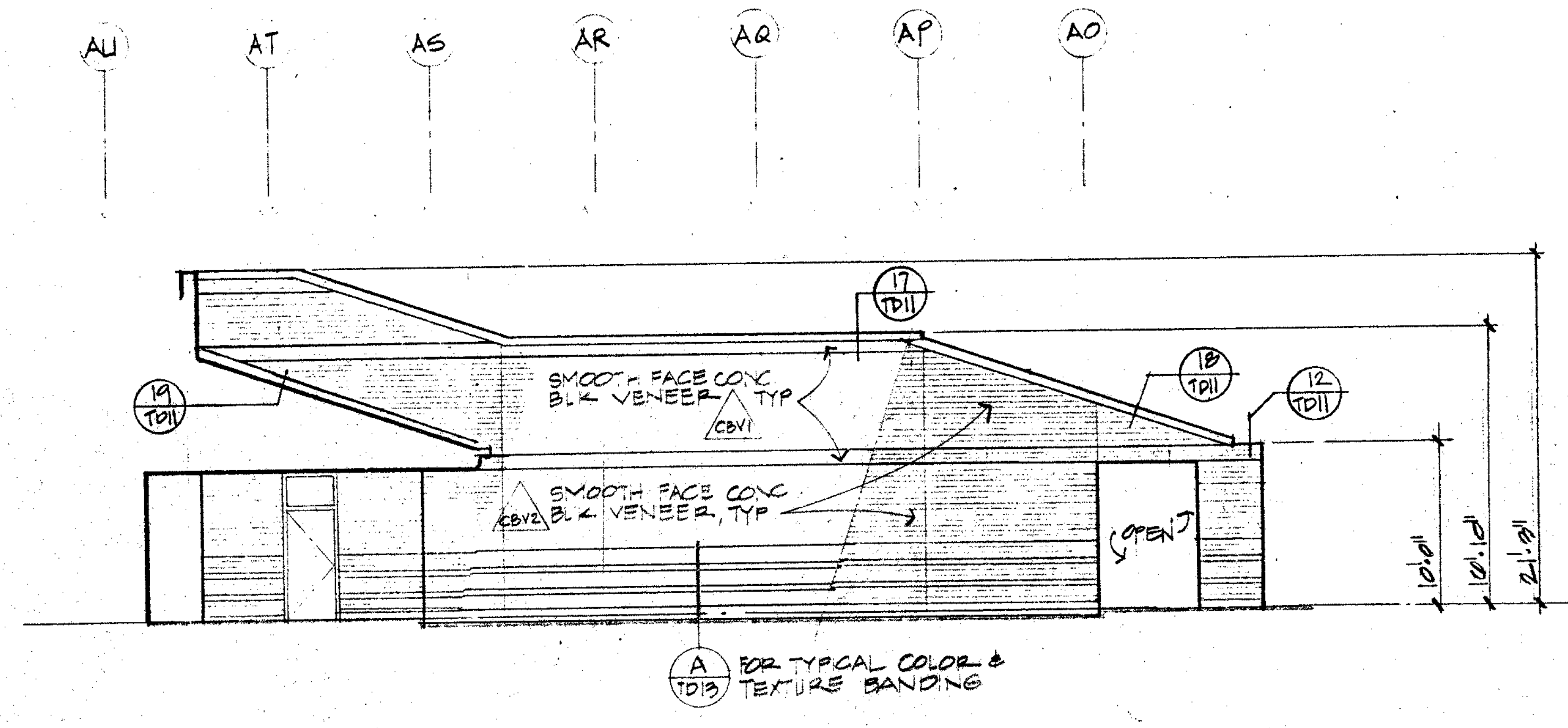
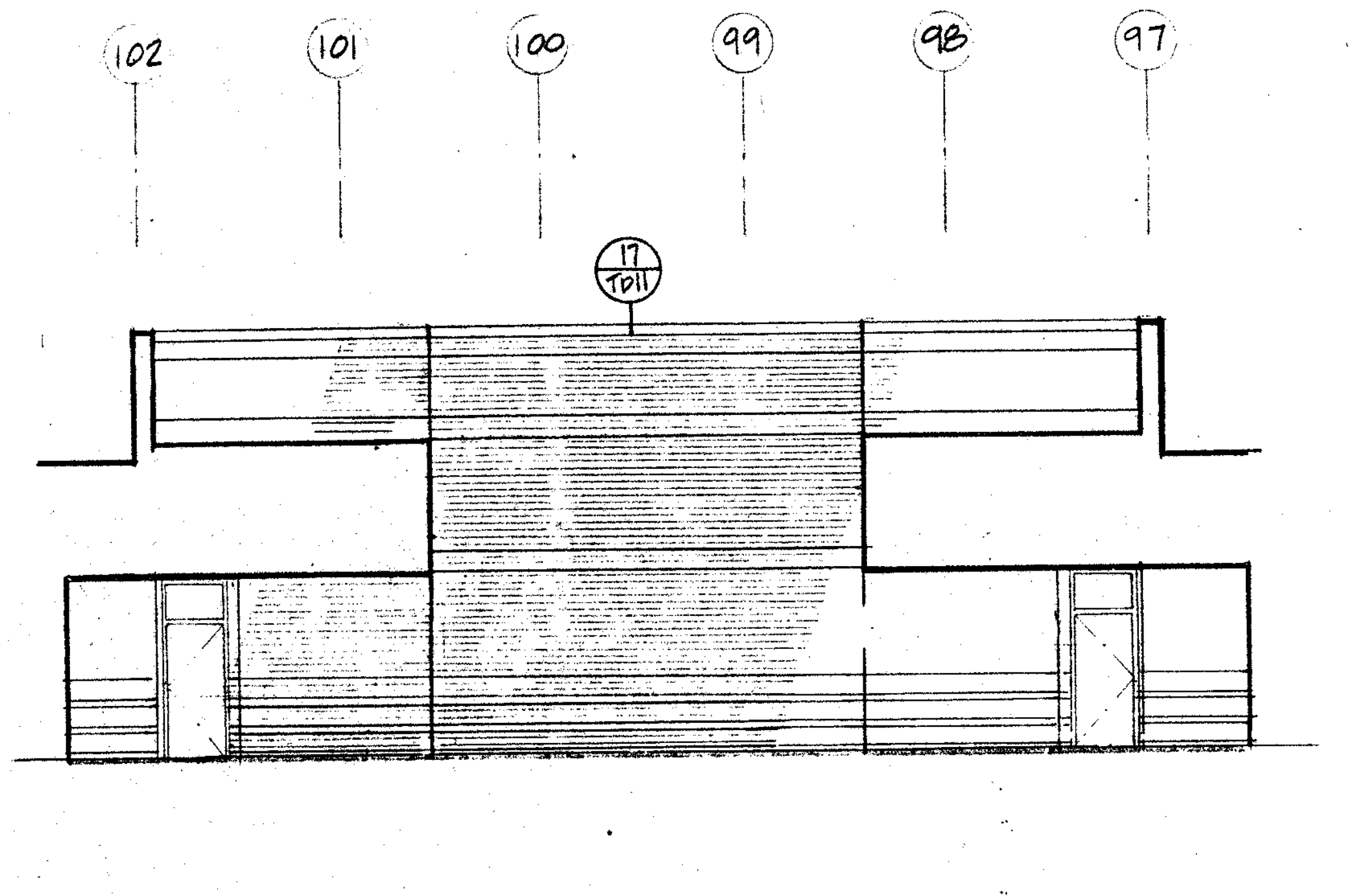
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
GREENHOUSE IN FOREGROUND DOTTED FOR CLARITY - SEE A1211
DISTRICT ADDITIVE ALTERNATE # D-1
PRE-FINISHED METAL ROOFING (TYP)
27 AC15 SIM
19 AC15 SIM STAIRS
OPEN
C TD13

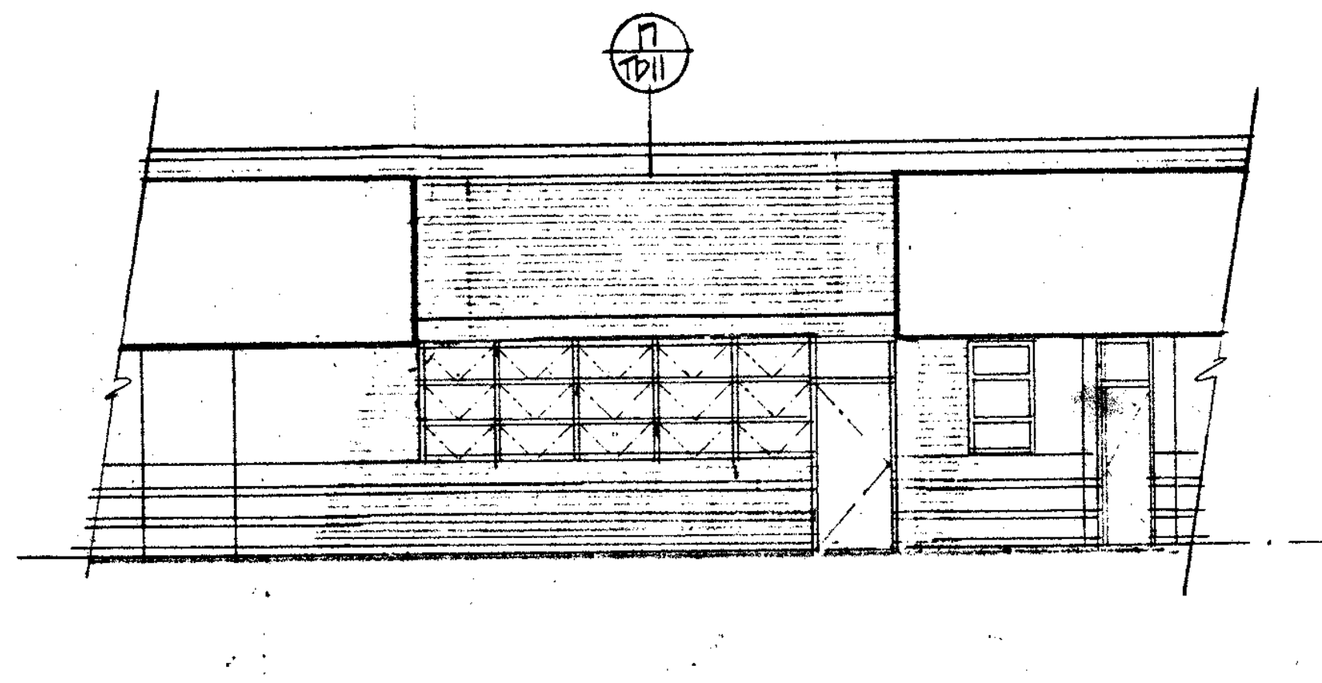
D A1204 SOUTH ELEVATION - BLDG. NO. 12
1/8"=1'-0"


AU
AT
AS
AR
AQ
AP
AO
17 TD11
19 TD11
18 TD11
12 TD11
SMOOTH FACE CONC BLK VENEER TYP
CBV1
SMOOTH FACE CONC BLK VENEER, TYP
CBV2
OPEN
10'-0"
16'-10"
21'-9"
A TD13 FOR TYPICAL COLOR & TEXTURE BANDING

E A1204 WEST ELEVATION - PATIO AREA - BLDG. NO. 12
1/8"=1'-0"


102
101
100
99
98
97
17 TD11

F A1204 SOUTH ELEVATION - PATIO AREA - BLDG. NO. 12
1/8"=1'-0"



G A1204 NORTHEAST ELEVATION - BLDG. NO. 12
1/8"=1'-0"

OFFICE OF THE STATE ARCHITECT
49275 MAY 4 88
APPLICATION NO.

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY
A 49275 JUN 22 1988
APPROVED
APPLICATION NO.
PRINCIPAL STRUCTURAL ENGINEER

APPROVED
FIRE AND PANIC ONLY
JUN 20 1988
BJ
STATE FIRE MARSHAL
SOUTHERN REGION

Drawn By
Checked By
Date MAR 1988
Commission No. 13002

Revisions
A 6/29/88 PHASING

RUHNAU McGAVIN RUHNAU / ASSOCIATES
Architects Planners
3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664
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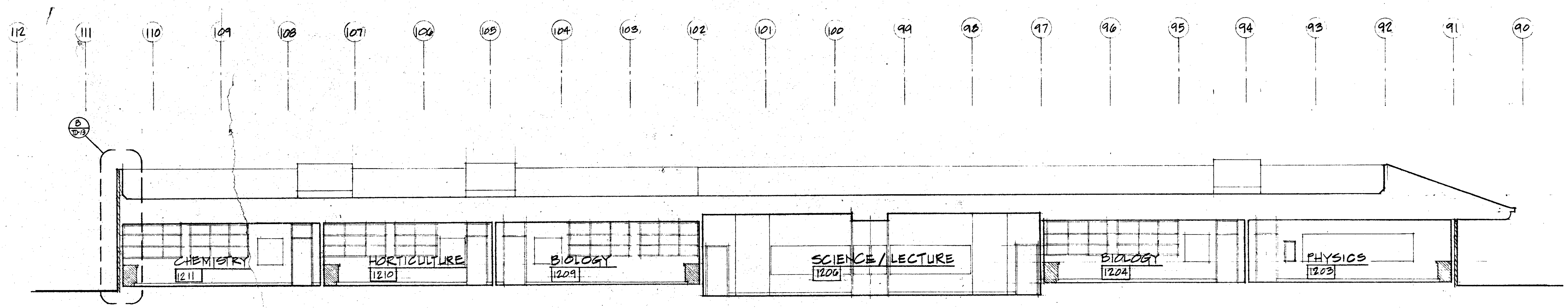
Carlsbad, CA 92008-1995
619/438-5899

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

Science - Bldg. No. 12
Exterior Elevations

Sheet Number
A1204
Of Sheets


112
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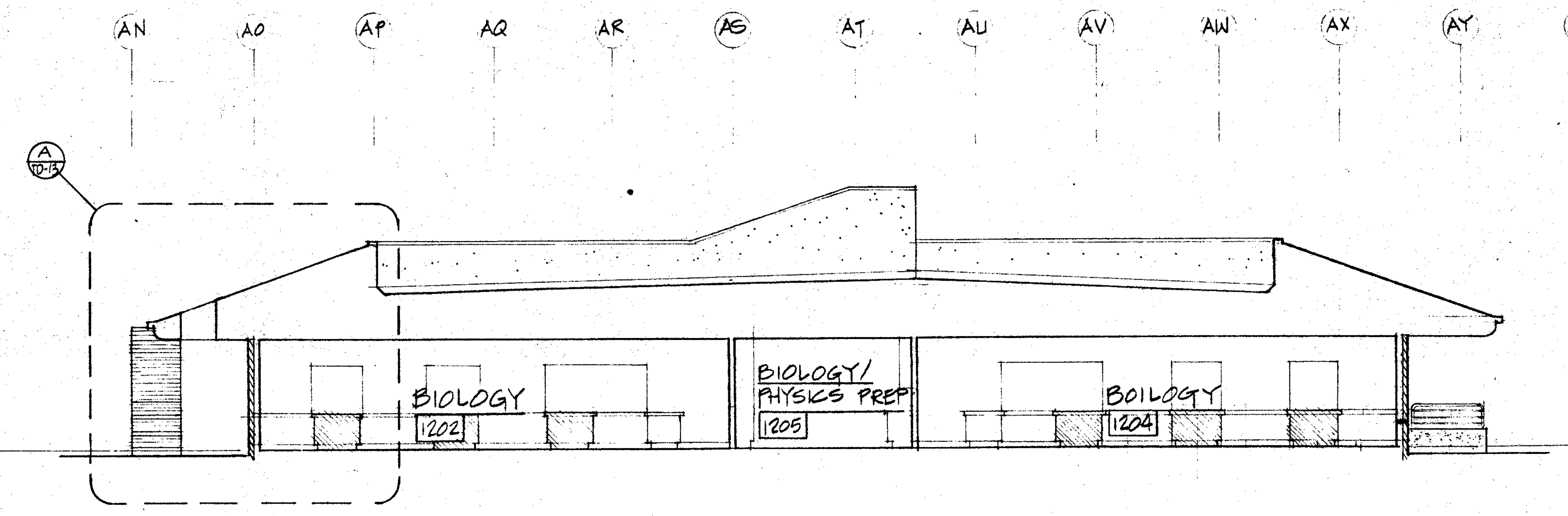
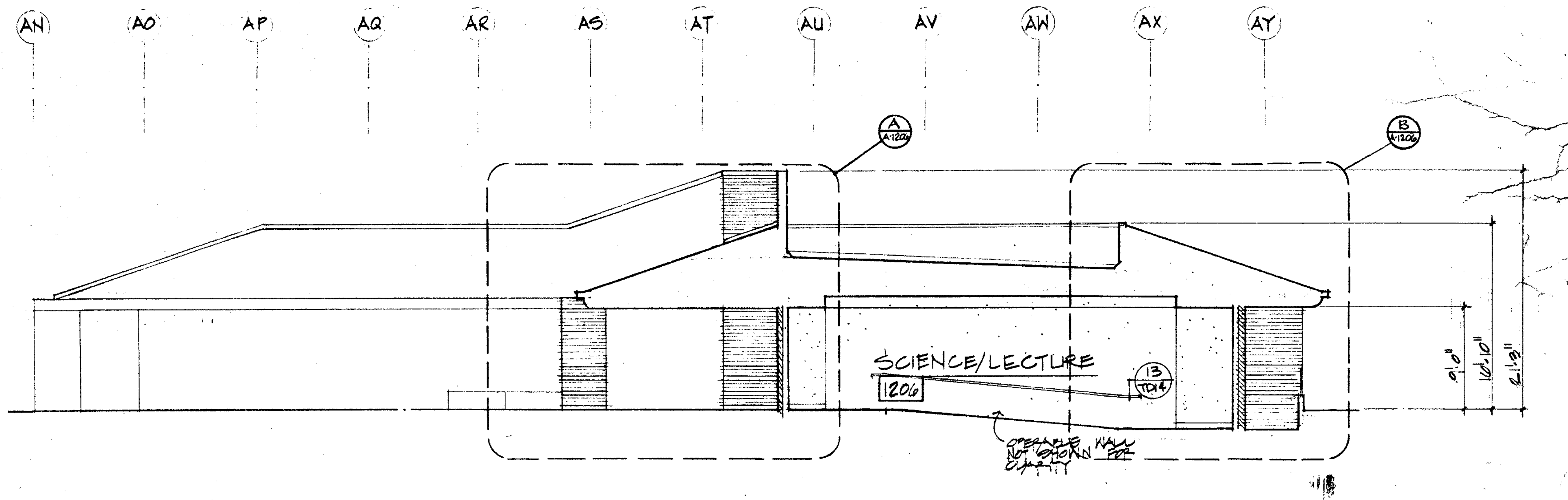
104
103
102
101
100
99
98
97
96
95
94
93
92
91
90
B
10-13
CHEMISTRY
1211
HORTICULTURE
1210
BIOLOGY
1209
SCIENCE/LECTURE
1206
BIOLOGY
1204
PHYSICS
1203

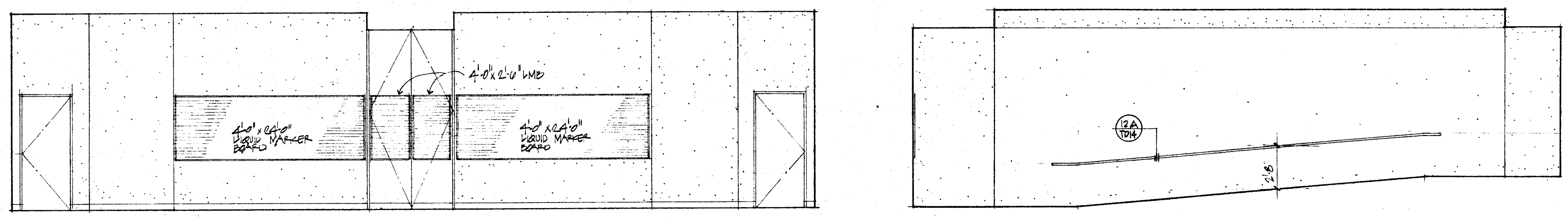
A
A1205
SECTION - BUILDING NO. 12
1/8"=1'-0"


AN
AO
AP
AQ
AR
AS
AT
AU
AV
AW
AX
AY
AZ
A
10-13
BIOLOGY
1202
BIOLOGY/
PHYSICS PREP
1205
BOILOGY
1204

B
A1205
SECTION - BUILDING NO. 12
1/8" = 1'-0"


AN
AO
AP
AQ
AR
AS
AT
AU
AV
AW
AX
AY
A
A1206
B
A1206
SCIENCE/LECTURE
1206
13
TD14
9'-0"
16'-10"
21'-3"
OPERABLE WALL NOT SHOWN FOR CLARITY

C
A1205
SECTION - BUILDING NO. 12
1/8"=1'-0"


4'-0"x2'-6" LMB
4'-0" x 24'-0" LIQUID MARKER BOARD
4'-0" x 24'-0" LIQUID MARKER BOARD
12A
TD14
2'-8"

1
A1205
SCIENCE / LECTURE
1/4"=1'-0"

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SOUTHERN REGION

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPLICATION NO.

Drawn By
Checked By
Date MAR 1988
Commission No. 13002

Revisions
A 6/29/88 PHASING

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ARCHITECT
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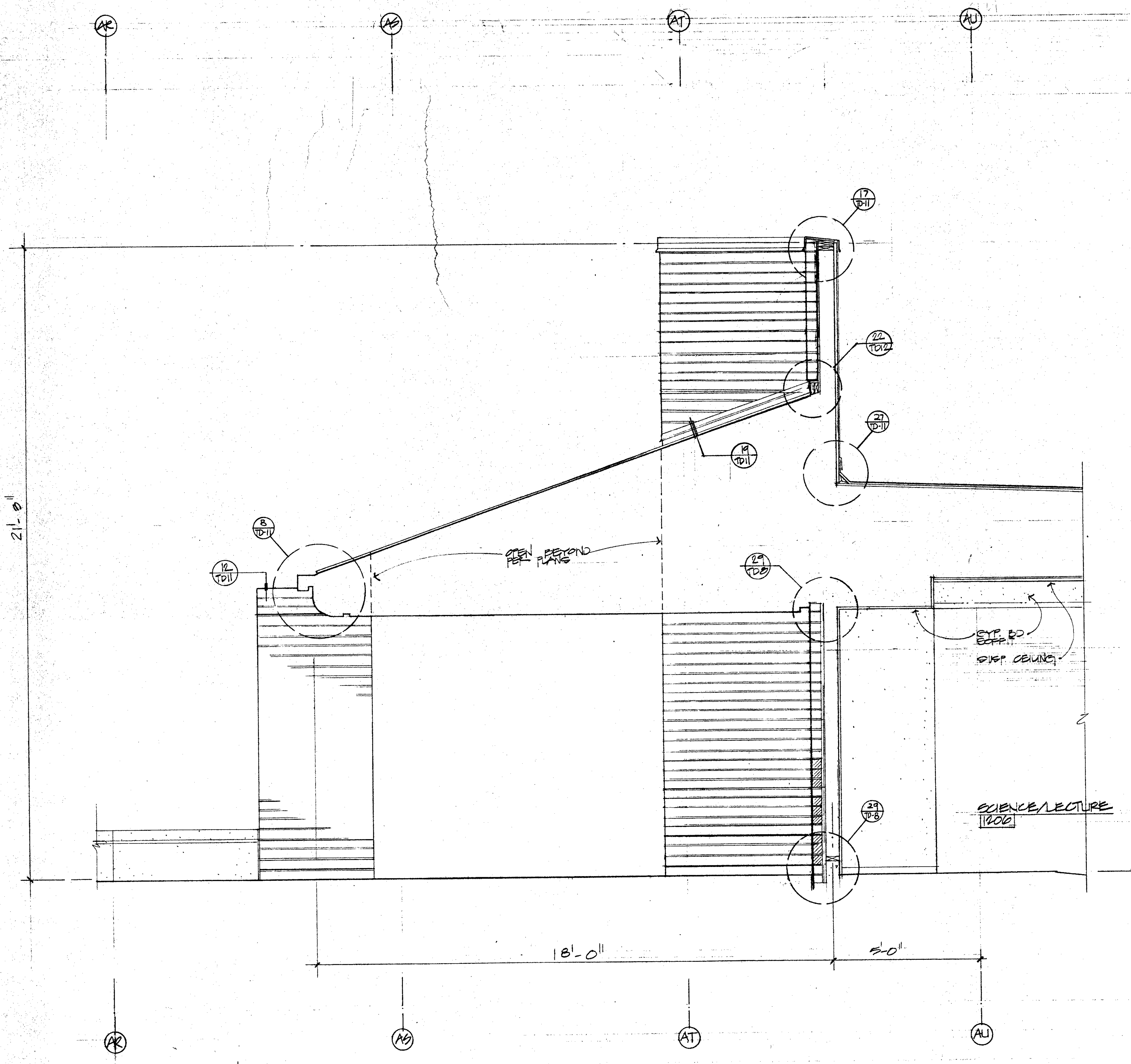
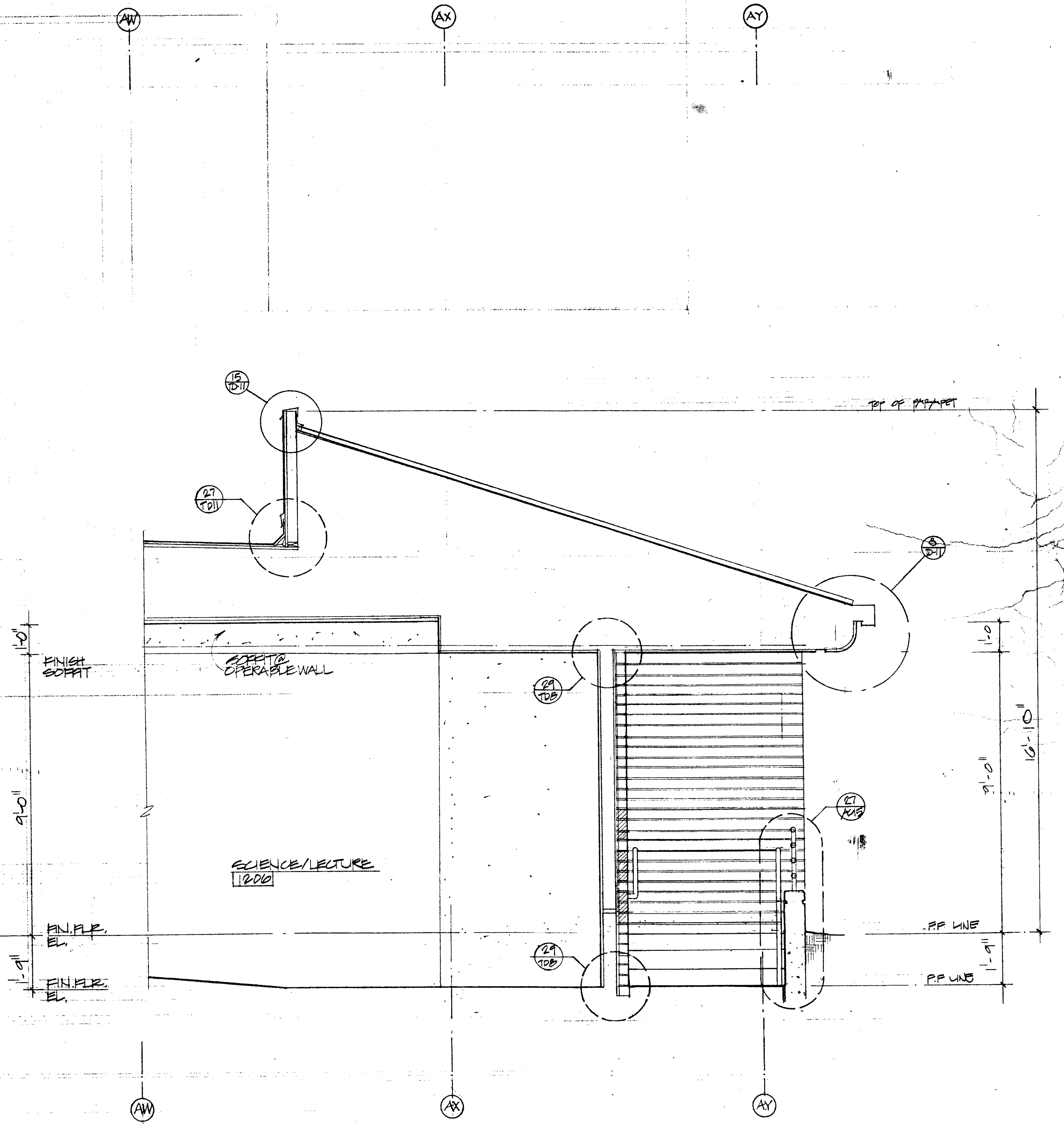
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Science
Bldg. No. 12
Building Sections

Sheet Number
A1205
Of Sheets


AR
AS
AT
AU
17/TD-11
22/TD12
27/TD-11
19/TD11
8/TD-11
12/TD11
29/TD8
29/TD-8
OPEN BEYOND PER PLANS
GYP. BD. SOFFIT
SUSP. CEILING
SCIENCE/LECTURE
1206
21'-8"
18'-0"
5'-0"

A/A1206 SECTION
1/2" = 1'-0"


AW
AX
AY
15/TD-11
27/TD11
8/TD-11
29/TD8
29/TD8
27/A1.15
TOP OF PARAPET
FINISH SOFFIT
SOFFIT@ OPERABLE WALL
SCIENCE/LECTURE
1206
FIN. FLR. EL.
FIN. FLR. EL.
F.F. LINE
F.F. LINE
1'-0"
9'-0"
1'-9"
1'-0"
9'-0"
16'-10"
1'-9"

B/A1206 SECTION
1/2" = 1'-0"

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49275 MAY 4 88
APPLICATION NO.

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STATE FIRE MARSHAL

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STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPROVED APPLICATION NO.
P. M. C.
PRINCIPAL STRUCTURAL

Drawn By
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C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Science
Bldg. No. 12
Wall Sections

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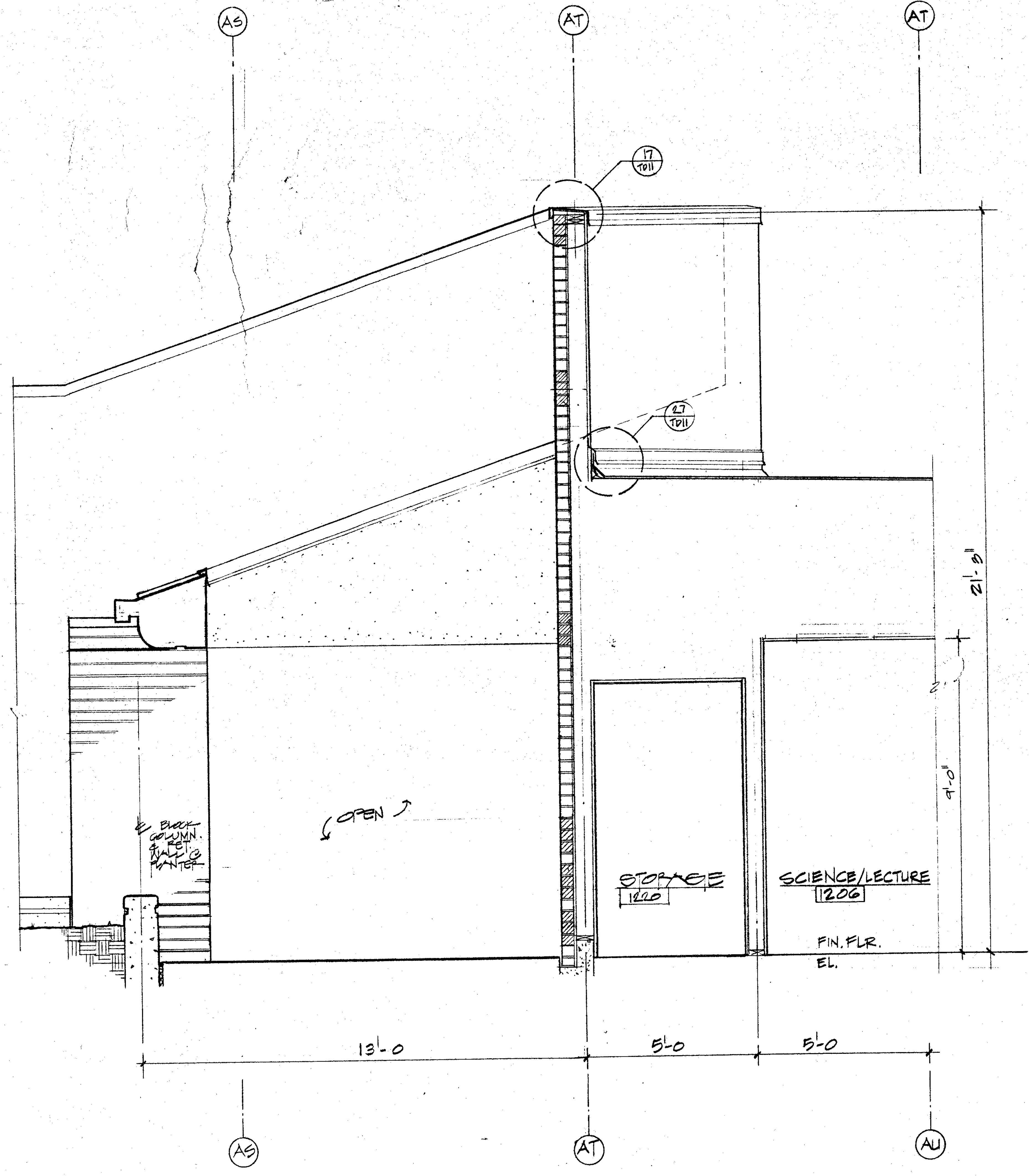
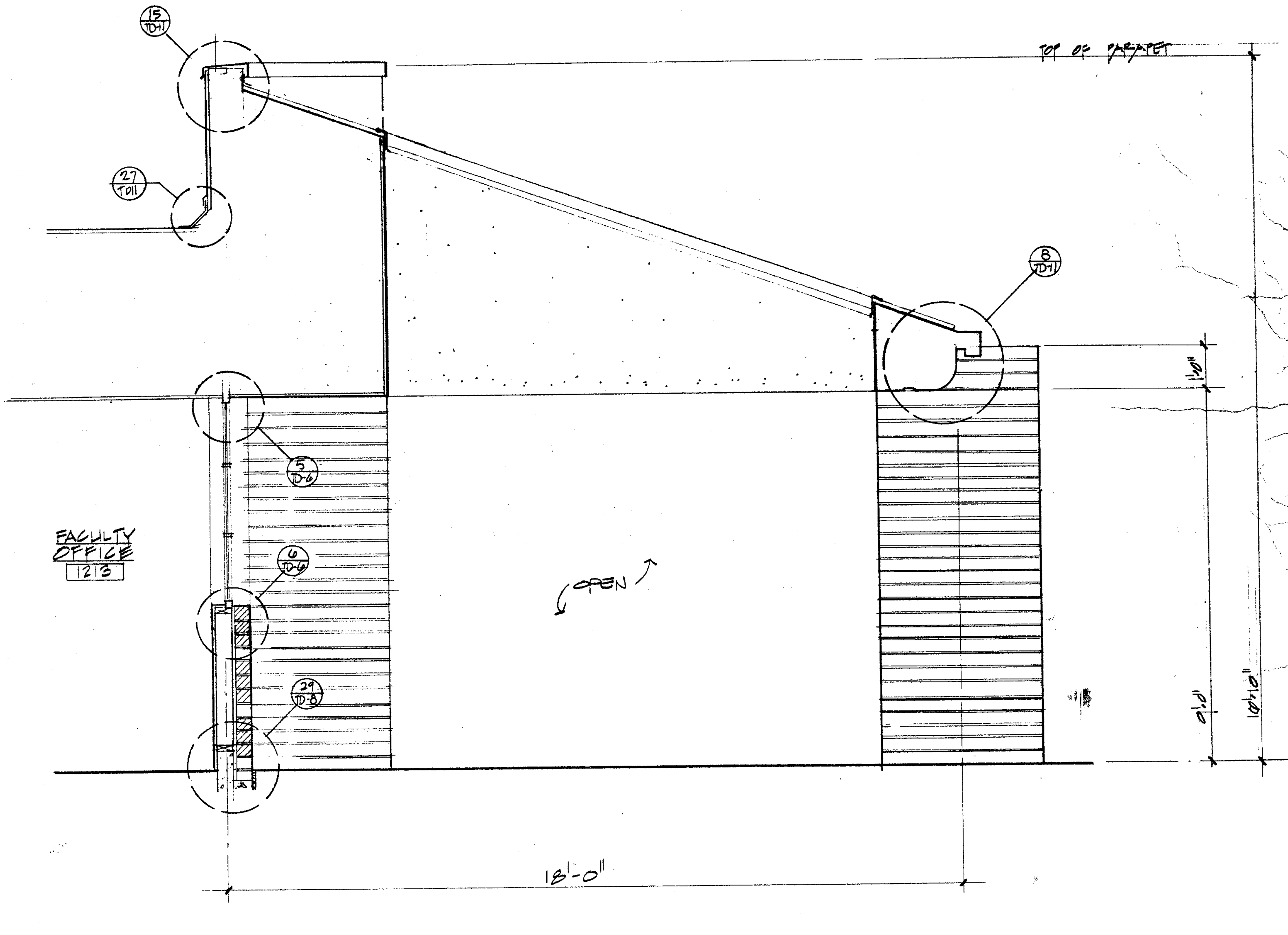
A-1206
Of Sheets


AS
AT
AT
17
TD11
27
TD11
21'-3"
9'-0"
BLOCK COLUMN & RET. WALL @ PLANTER
OPEN
STORAGE
1220
SCIENCE/LECTURE
1206
FIN. FLR.
EL.
13'-0
5'-0
5'-0
AS
AT
AU

A
A1207
SECTION
1/2" = 1'-0"


15
TD11
27
TD11
TOP OF PARAPET
8
TD11
FACULTY OFFICE
1213
5
TD-6
6
TD-6
29
TD-8
OPEN
1'-0"
9'-0"
10'-10"
18'-0"

B
A1207
SECTION
1/2" = 1'-0"

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ACCESS COMPL
49275 MAY 4 88
APPLICATION
NO.

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STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPROVED
APPLICATION
NO.
PRINCIPAL STRUCTURAL ENGINEER

Drawn By
Checked By
Date MAR. 1988
Commission No. 13002

Revisions
A 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES

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West Hills High School
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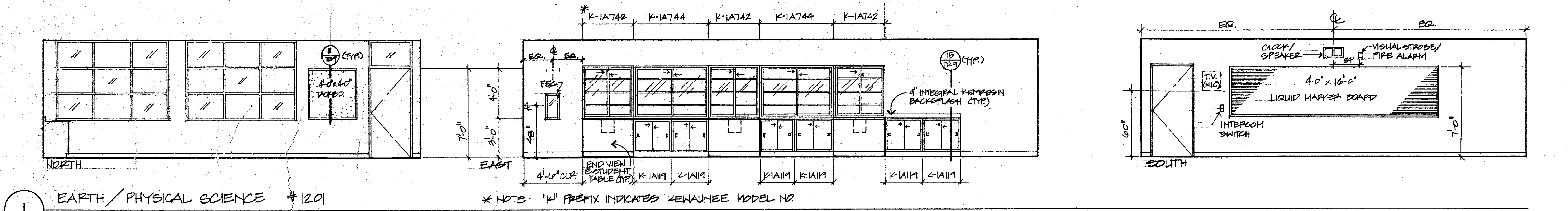
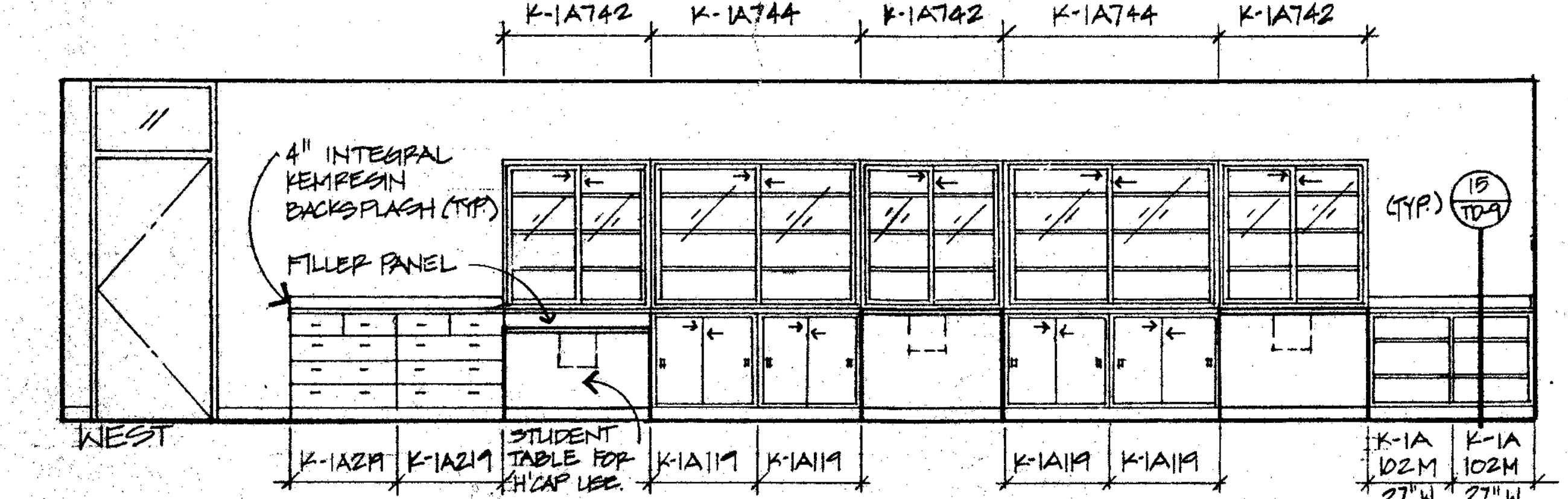
San Diego, Ca San Diego County

Science
Bldg. No. 12
Wall Sections

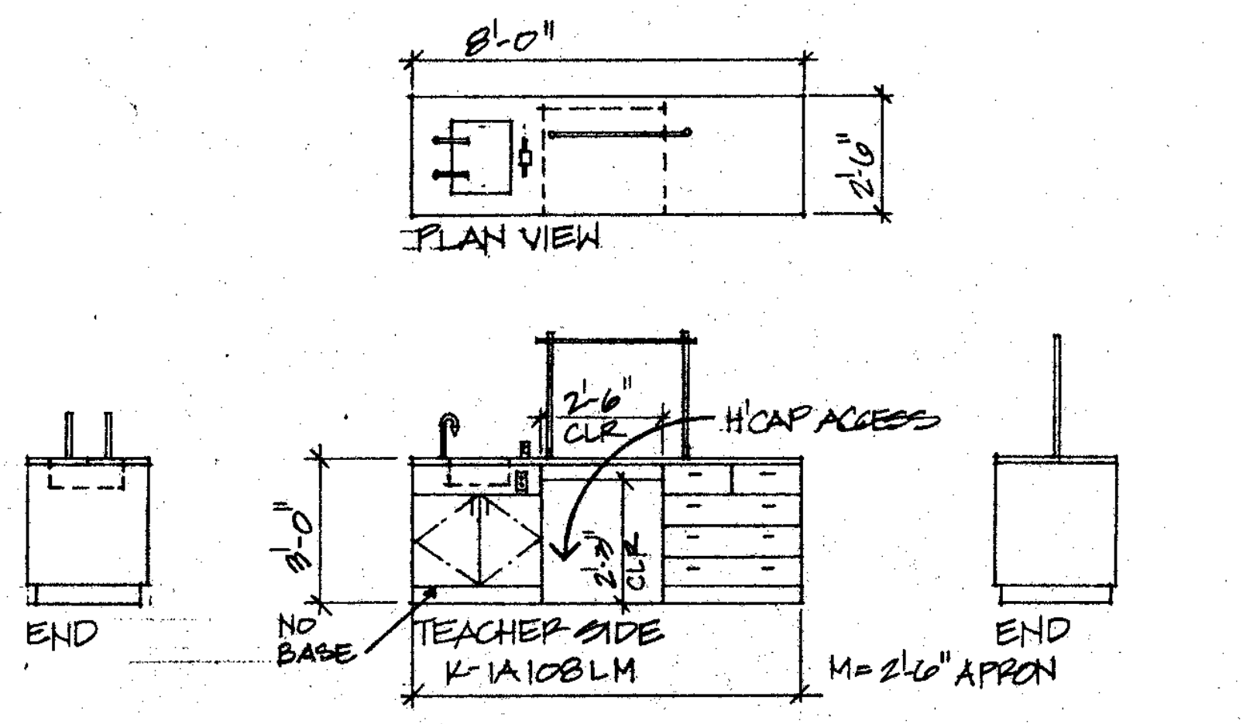
Sheet Number
A-1207
Of Sheets


NORTH
(TYP)
4'-0"x4'-0" TACKBD.
K-1A742
K-1A744
K-1A742
K-1A744
K-1A742
EQ.
EQ.
F.E.C.
(TYP.)
4" INTEGRAL KEMRESIN BACKSPLASH (TYP.)
7'-0"
4'-0"
3'-0"
48"
EAST
4'-6" CLR.
END VIEW @ STUDENT TABLE (TYP.)
K-1A119
K-1A119
K-1A119
K-1A119
K-1A119
K-1A119
* NOTE: "K" PREFIX INDICATES KEWAUNEE MODEL NO.
EQ.
EQ.
CLOCK/SPEAKER
VISUAL STROBE/FIRE ALARM
24"
T.V. (N.I.C.)
4'-0" x 16'-0"
LIQUID MARKER BOARD
INTERCOM SWITCH
60"
7'-0"
SOUTH

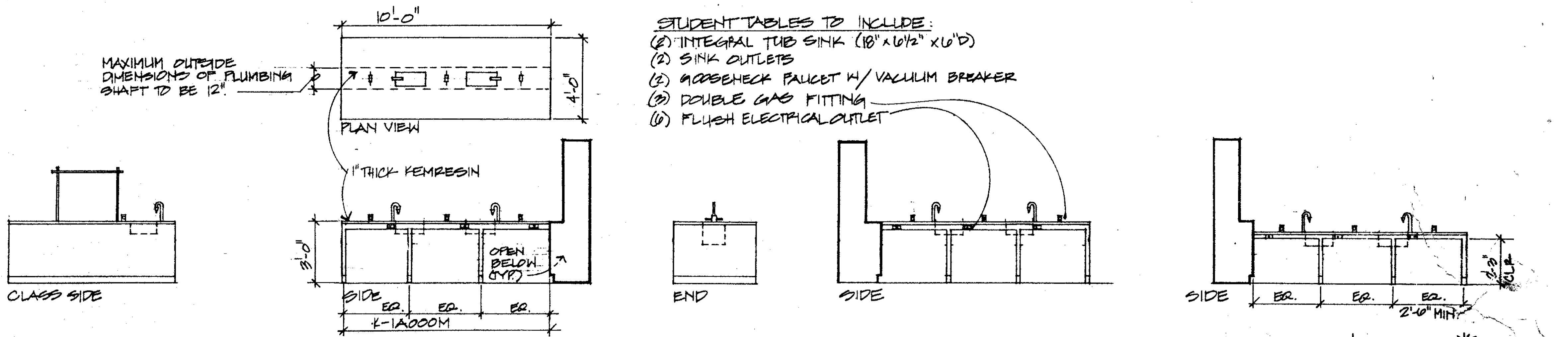
1 EARTH/PHYSICAL SCIENCE #1201
1/4" = 1'-0"


K-1A742
K-1A744
K-1A742
K-1A744
K-1A742
4" INTEGRAL KEMRESIN BACKSPLASH (TYP.)
FILLER PANEL
(TYP.)
WEST
K-1A219
K-1A219
STUDENT TABLE FOR H'CAP USE
K-1A119
K-1A119
K-1A119
K-1A119
K-1A 102M 27"W
K-1A 102M 27"W

2 EARTH/PHYSICAL SCIENCE #1201
"M" INDICATES MODIFICATION
1/4" = 1'-0"


8'-0"
2'-6"
PLAN VIEW
2'-6" CLR.
H'CAP ACCESS
3'-0"
END
NO BASE
TEACHER SIDE
K-1A108LM
M=2'-6" APRON
END
CLASS SIDE

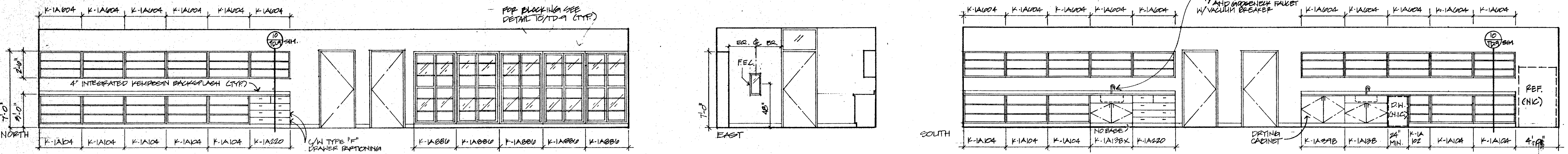
3 INSTRUCTOR DEMONSTRATION TABLE
1/4" = 1'-0"


MAXIMUM OUTSIDE DIMENSIONS OF PLUMBING SHAFT TO BE 12".
10'-0"
4'-0"
PLAN VIEW
1" THICK KEMRESIN
3'-0"
OPEN BELOW (TYP.)
SIDE
EQ.
EQ.
EQ.
K-1A200M
END
SIDE
SIDE
EQ.
EQ.
EQ.
2'-6" MIN.

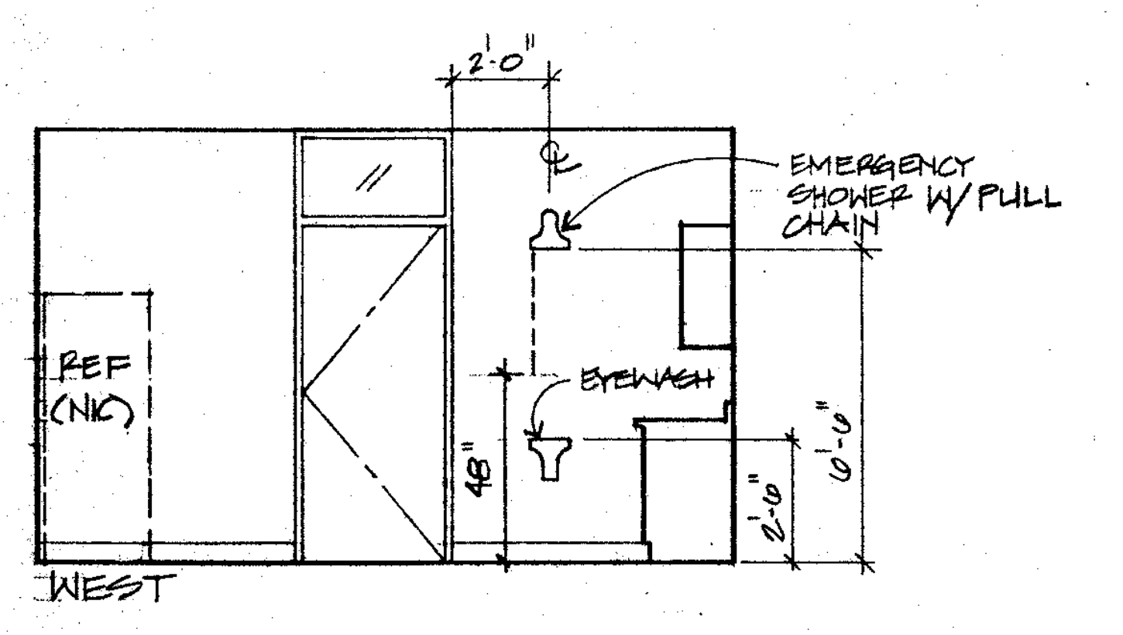
STUDENT TABLES TO INCLUDE:
(2) INTEGRAL TUB SINK (18" x 16 1/2" x 6"D)
(2) SINK OUTLETS
(2) GOOSENECK FAUCET W/ VACUUM BREAKER
(3) DOUBLE GAS FITTING
(6) FLUSH ELECTRICAL OUTLET

4 STUDENT TABLES
1/4" = 1'-0"

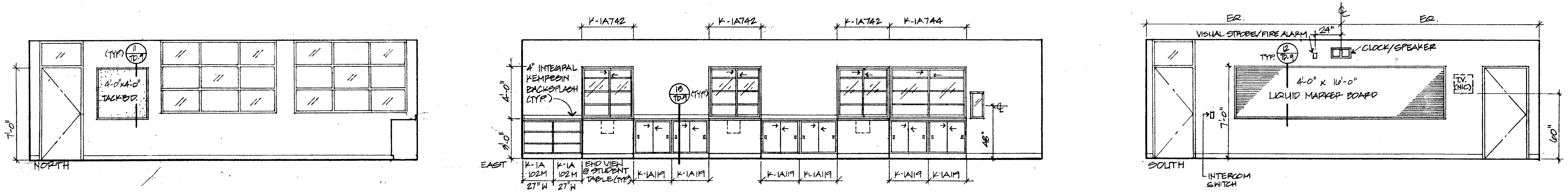
TABLE FOR H'CAP USE *
* AT ROOMS #1201, 1203 & 1209


K-1A604
K-1A604
K-1A604
K-1A604
K-1A604
K-1A604
FOR BLOCKING SEE DETAIL 15/TD-9 (TYP.)
SIM.
2'-0"
7'-0"
3'-0"
4" INTEGRATED KEMRESIN BACKSPLASH (TYP.)
NORTH
K-1A104
K-1A104
K-1A104
K-1A104
K-1A104
K-1A220
C/W TYPE "F" DRAWER PARTITIONING
K-1A886
K-1A886
K-1A886
K-1A886
K-1A886
EQ.
EQ.
F.E.C.
48"
7'-0"
EAST
KEMRESIN TUB SINK W/ SINK OUTLET AND GOOSENECK FAUCET W/ VACUUM BREAKER
K-1A604
K-1A604
K-1A604
K-1A604
K-1A604
K-1A604
K-1A604
K-1A604
K-1A604
K-1A604
SIM.
REF. (N.I.C.)
D.W. (N.I.C.)
SOUTH
NO BASE
K-1A104
K-1A104
K-1A104
K-1A138X
K-1A220
DRYING CABINET
K-1A398
K-1A138
24" MIN.
K-1A 102
K-1A104
K-1A104
4'-6"
"X" INDICATES NO BASE

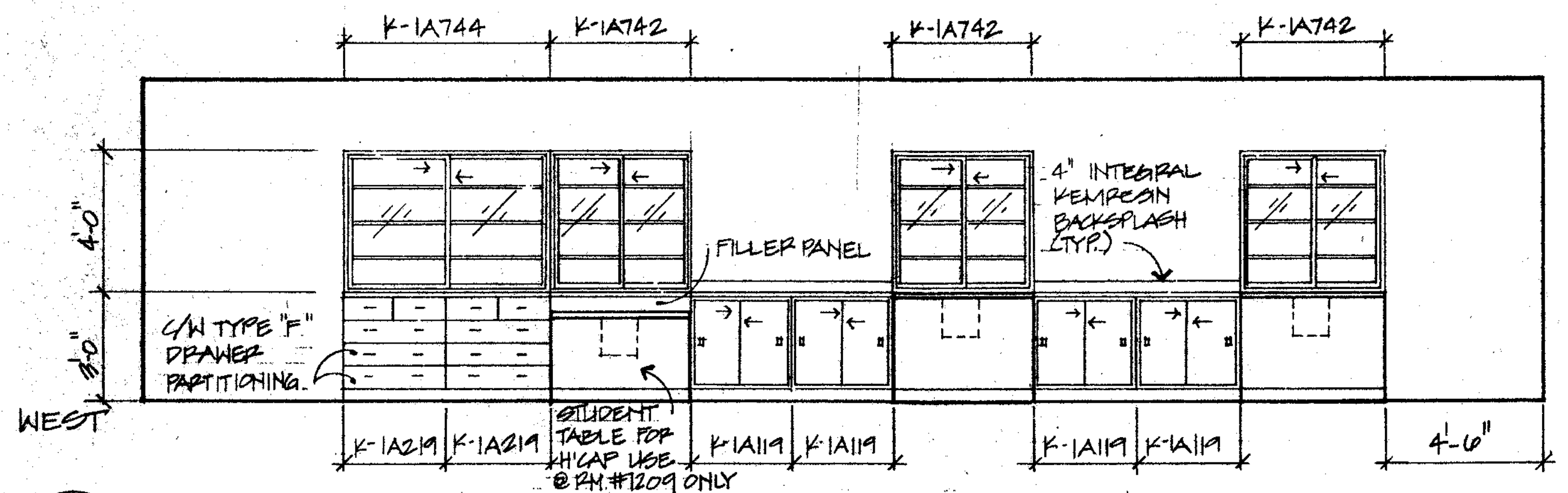
5 PHYSICS/BIOLOGY PREP. ROOM #1205
1/4" = 1'-0"


2'-0"
EMERGENCY SHOWER W/ PULL CHAIN
REF. (N.I.C.)
EYEWASH
48"
2'-0"
6'-0"
WEST

6 PHYSICS/BIO. PREP. #1205
1/4" = 1'-0"


(TYP.)
4'-0"x4'-0" TACKBD.
7'-0"
NORTH
K-1A742
K-1A742
K-1A742
K-1A744
4" INTEGRAL KEMRESIN BACKSPLASH (TYP.)
(TYP.)
4'-0"
3'-0"
48"
EAST
K-1A 102M 27"W
K-1A 102M 27"W
END VIEW @ STUDENT TABLE (TYP.)
K-1A119
K-1A119
K-1A119
K-1A119
K-1A119
K-1A119
EQ.
EQ.
VISUAL STROBE/FIRE ALARM
24"
CLOCK/SPEAKER
TYP.
4'-0" x 16'-0"
LIQUID MARKER BOARD
T.V. (N.I.C.)
7'-0"
60"
SOUTH
INTERCOM SWITCH

7 BIOLOGY #1202 (RM. # 1204, 1207, & 1209 SIMILAR)
1/4" = 1'-0"


K-1A744
K-1A742
K-1A742
K-1A742
4'-0"
3'-0"
FILLER PANEL
4" INTEGRAL KEMRESIN BACKSPLASH (TYP.)
C/W TYPE "F" DRAWER PARTITIONING
WEST
K-1A219
K-1A219
STUDENT TABLE FOR H'CAP USE @ RM #1209 ONLY
K-1A119
K-1A119
K-1A119
K-1A119
4'-6"

8 BIOLOGY #1202 (RM. # 1204, 1207 & 1209 SIMILAR)
1/4" = 1'-0"

GENERAL NOTES:

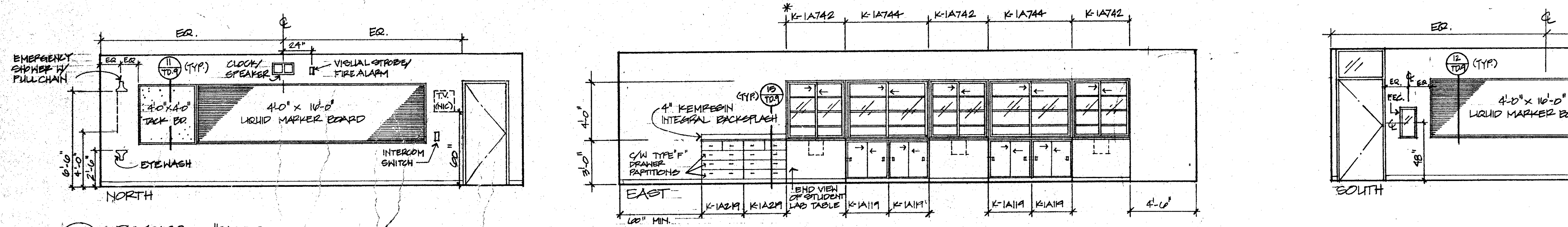
1. NUMBER ABOVE DIMENSION LINE REFERS TO W.I.C. MODEL NO. U.N.O.
2. "M" SUFFIX REFERS TO MODIFICATION IN STD. DESIGN.
3. FOR TYPICAL MOUNTING OF CABINETS, REFER TO DETAIL 10/TD-9.
4. FOR FINISH SPECS, REFER TO CASEWORK FINISH SCHEDULE, SHEET TD-6.

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88
APPLICATION NO.
W

APPROVED
FIRE AND PANIC ONLY
JUN 20 1988
STATE FIRE MARSHAL
SOUTHERN REGION

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPLICATION NO.
P. M. Cant

Drawn By Checked By Date MARCH 1988 Commission No. 1.30.02	Revisions △ 6/29/88 PHASING	Architects Planners RUHNAU McGAVIN RUHNAU/ASSOCIATES 3775 Tenth Street Riverside, CA 92501-3669 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-1995 619/438-5899	ARCHITECT C-6497	**West Hills High School** Grossmont Union High School District San Diego, Ca San Diego County	Science Bldg. No. 12 Interior Elevations	Sheet Number **A-1208** Of Sheets

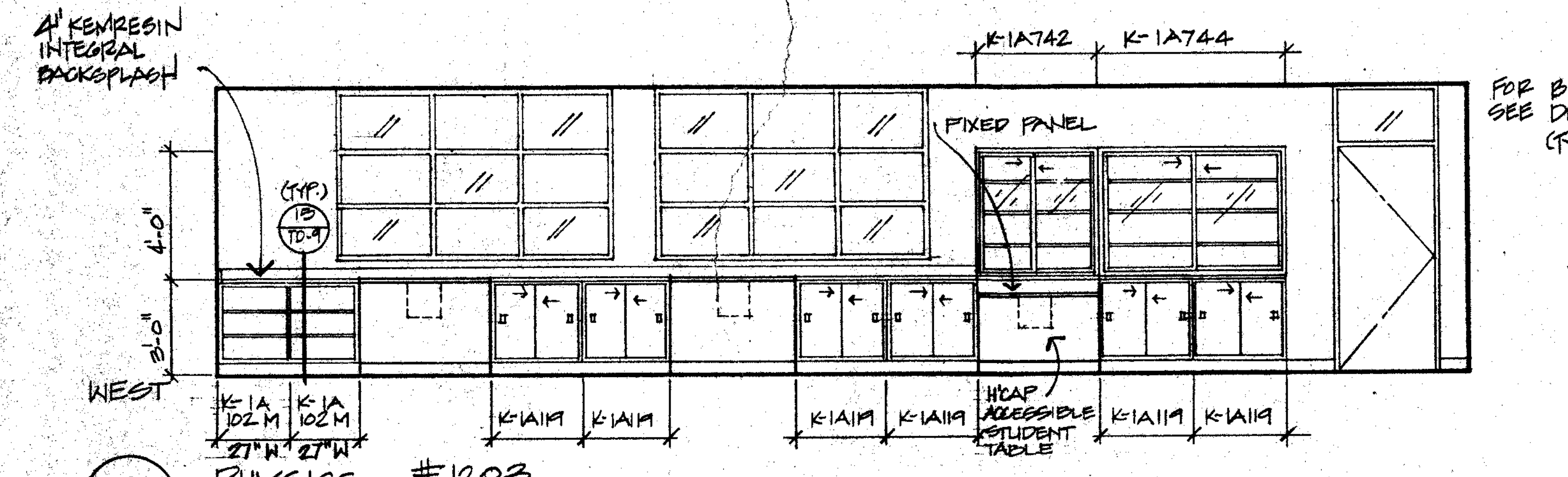

EQ.
EQ.
24"
EMERGENCY SHOWER W/ FULL CHAIN
CLOCK/SPEAKER
VISUAL STROBE/FIRE ALARM
4'-0"x4'-0" TACK BD.
4'-0" x 16'-0" LIQUID MARKER BOARD
T.V. (NIC)
EYEWASH
INTERCOM SWITCH
NORTH
K-1A742
K-1A744
K-1A742
K-1A744
K-1A742
4" KEMRESIN INTEGRAL BACKSPLASH
C/W TYPE "F" DRAWER PARTITIONS
END VIEW OF STUDENT LAB TABLE
EAST
K-1A219
K-1A219
K-1A119
K-1A119
K-1A119
K-1A119
60" MIN.
4'-0"
4'-0" x 16'-0" LIQUID MARKER BOARD
F.E.C.
SOUTH

GENERAL NOTES:

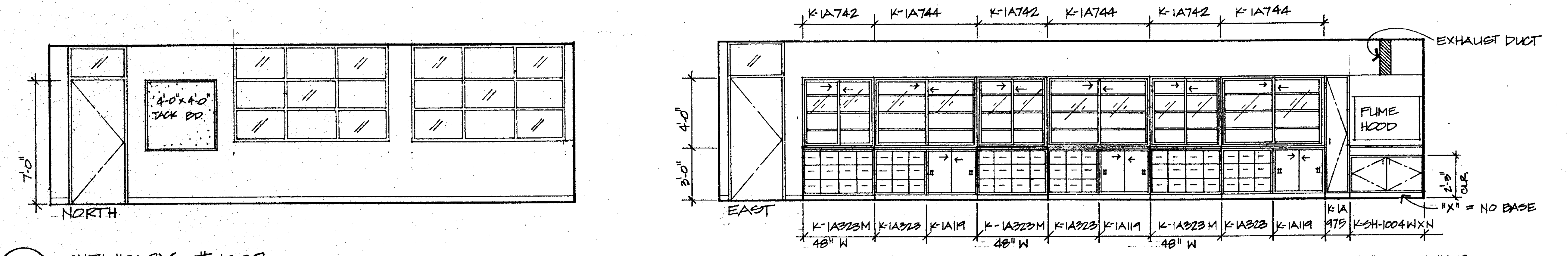
1. NUMBER ABOVE DIMENSION LINE REFERS TO W.I.C. MODEL NO. U.N.O.
2. "M" SUFFIX REFERS TO MODIFICATION IN STD. DESIGN.
3. FOR TYPICAL MOUNTING OF CABINETS, REFER TO DETAIL 10/TD-9.
4. FOR FINISH SPECS, REFER TO CASEWORK FINISH SCHEDULE, SHEET TD-6.

① PHYSICS #1203
1/4" = 1'-0"

*NOTE: "K" PREFIX INDICATES KEWAUNEE MODEL NO.

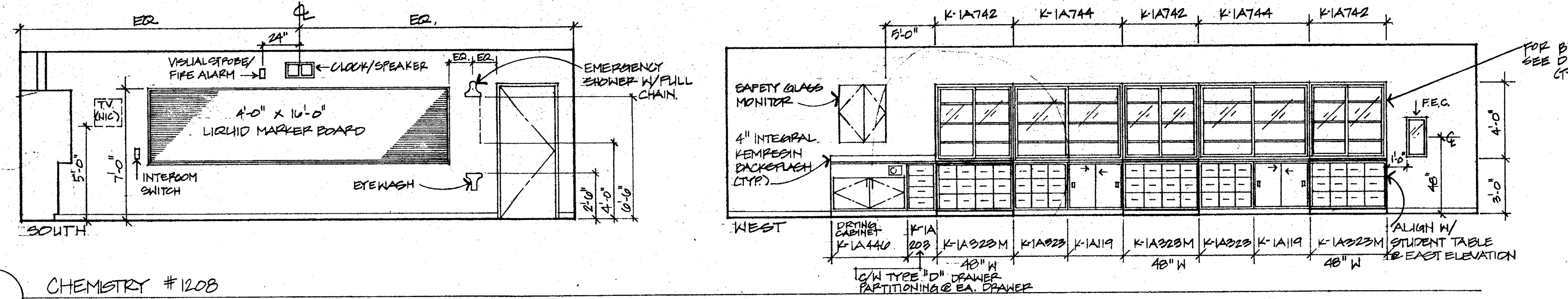

4" KEMRESIN INTEGRAL BACKSPLASH
K-1A742
K-1A744
FIXED PANEL
FOR BLOCKING SEE DETAIL 10/TD-9 (TYP.)
WEST
K-1A 102 M
K-1A 102 M
27" W
27" W
K-1A119
K-1A119
K-1A119
K-1A119
H'CAP ACCESSIBLE STUDENT TABLE
K-1A119
K-1A119

② PHYSICS #1203
1/4" = 1'-0"

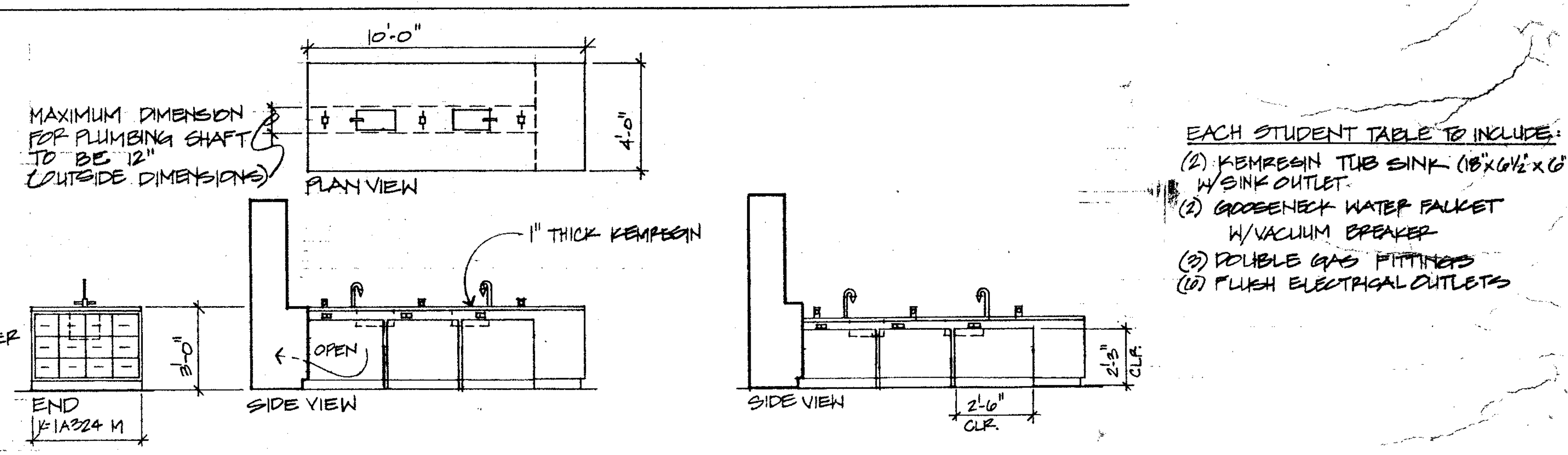

4'-0"x4'-0" TACK BD.
NORTH
K-1A742
K-1A744
K-1A742
K-1A744
K-1A742
K-1A744
EXHAUST DUCT
FUME HOOD
EAST
K-1A323M
K-1A323
K-1A119
K-1A323M
K-1A323
K-1A119
K-1A323M
K-1A323
K-1A119
K-1A 975
K-SH-1004WXN
48" W
48" W
48" W
"X" = NO BASE

③ CHEMISTRY #1208
1/4" = 1'-0"

"N" = KEMLINER

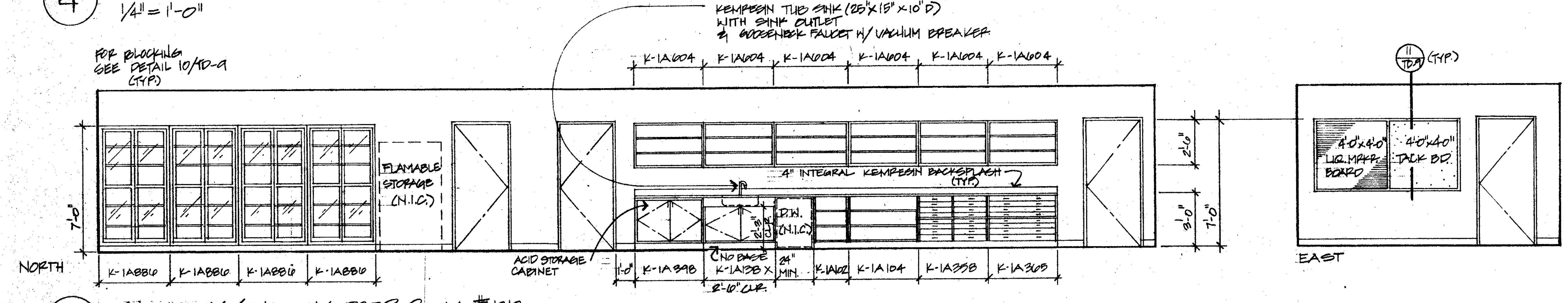

EQ.
EQ.
24"
VISUAL STROBE/FIRE ALARM
CLOCK/SPEAKER
EMERGENCY SHOWER W/FULL CHAIN
T.V. (NIC)
4'-0" x 16'-0" LIQUID MARKER BOARD
INTERCOM SWITCH
EYEWASH
SOUTH
K-1A742
K-1A744
K-1A742
K-1A744
K-1A742
FOR BLOCKING SEE DETAIL 10/TD-9 (TYP.)
SAFETY GLASS MONITOR
4" INTEGRAL KEMRESIN BACKSPLASH (TYP.)
F.E.C.
WEST
DRYING CABINET K-1A446
K-1A 208
K-1A323M
K-1A323
K-1A119
K-1A323M
K-1A323
K-1A119
K-1A323M
48" W
48" W
48" W
C/W TYPE "D" DRAWER PARTITIONING @ EA. DRAWER
ALIGN W/ STUDENT TABLE @ EAST ELEVATION

④ CHEMISTRY #1208
1/4" = 1'-0"

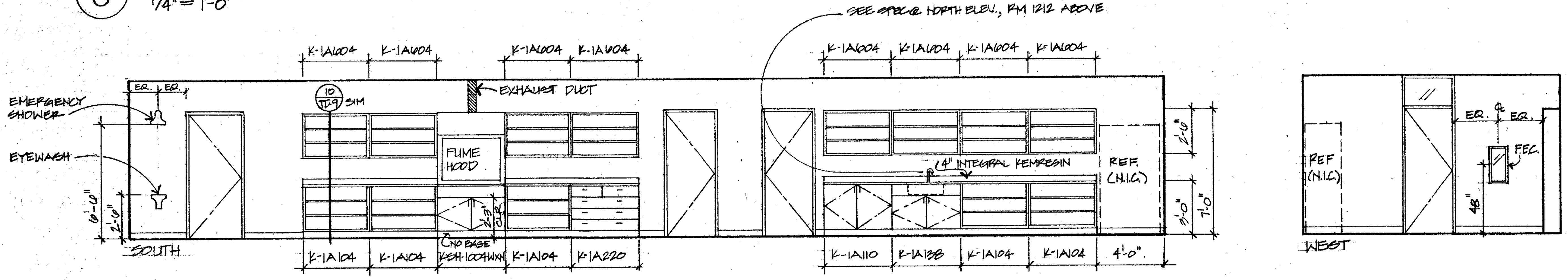

10'-0"
MAXIMUM DIMENSION FOR PLUMBING SHAFT TO BE 12" (OUTSIDE DIMENSIONS)
PLAN VIEW
1" THICK KEMRESIN
M-12 DRAWER IN LIEU OF 9.
END K-1A324 M
OPEN
SIDE VIEW
SIDE VIEW
2'-6" CLR.
EACH STUDENT TABLE TO INCLUDE:
(2) KEMRESIN TUB SINK (18"x6½"x6"D) W/SINK OUTLET.
(2) GOOSENECK WATER FAUCET W/VACUUM BREAKER
(2) DOUBLE GAS FITTINGS
(4) FLUSH ELECTRICAL OUTLETS

⑤ STUDENT TABLES @ CHEMISTRY CLASSROOMS
1/4" = 1'-0"

TABLE FOR H'CAP USE *
*AT ROOM #1211 ONLY

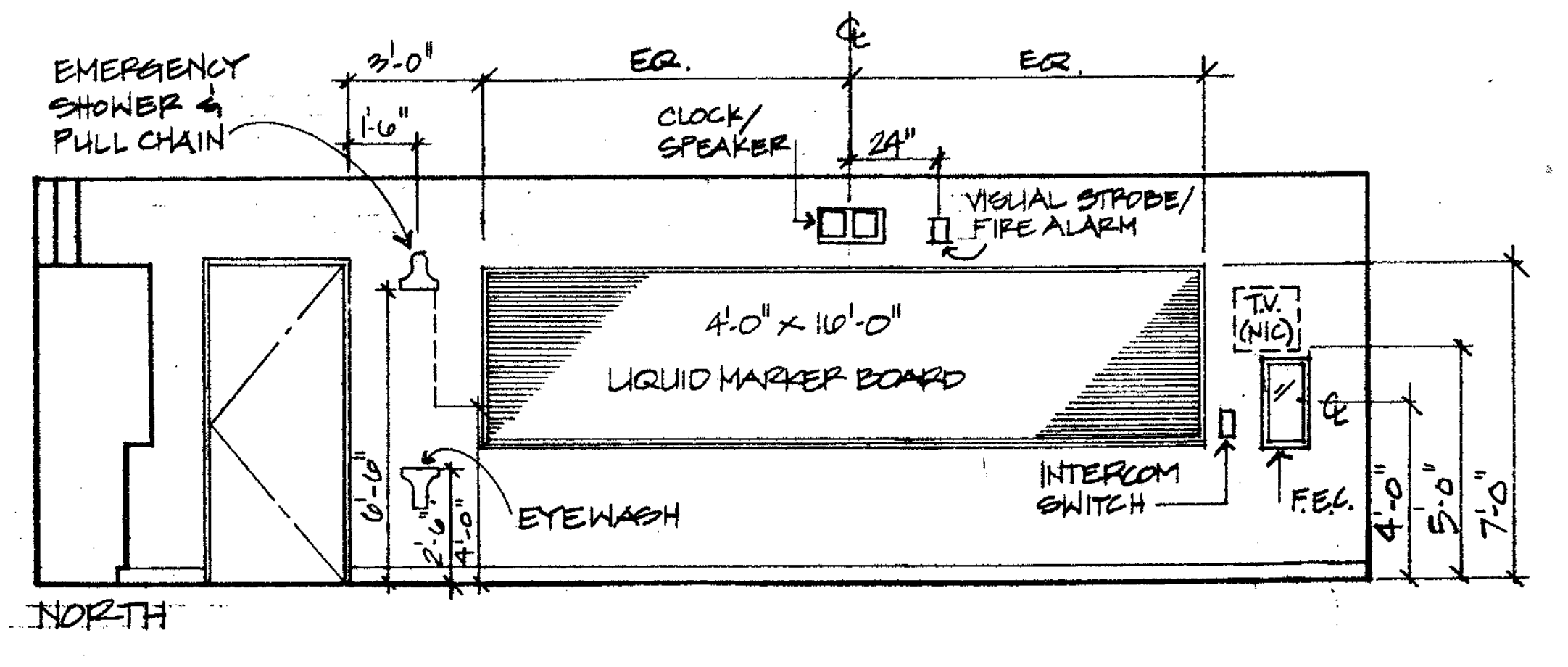

KEMRESIN TUB SINK (25"x15"x10"D) WITH SINK OUTLET & GOOSENECK FAUCET W/ VACUUM BREAKER
FOR BLOCKING SEE DETAIL 10/TD-9 (TYP.)
K-1A604
K-1A604
K-1A604
K-1A604
K-1A604
K-1A604
FLAMABLE STORAGE (N.I.C.)
4" INTEGRAL KEMRESIN BACKSPLASH (TYP.)
D.W. (N.I.C.)
NORTH
K-1A886
K-1A886
K-1A886
K-1A886
ACID STORAGE CABINET
K-1A398
K-1A138 X
NO BASE
2'-6" CLR.
K-1A102
K-1A104
K-1A358
K-1A363
4'-0"x4'-0" LIQ. MKR. BOARD
4'-0"x4'-0" TACK BD.
EAST

⑥ CHEMISTRY/BIOLOGY PREP ROOM #1212
1/4" = 1'-0"

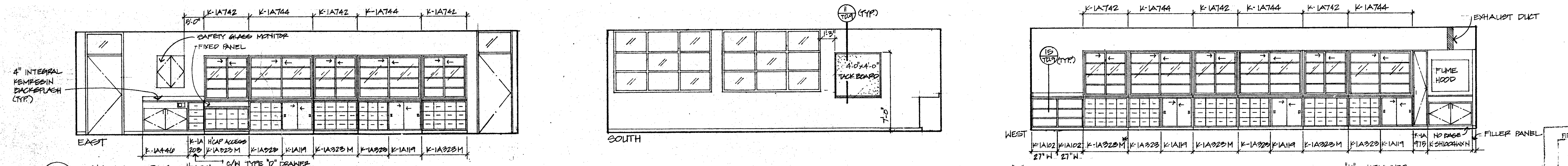

SEE SPEC @ NORTH ELEV., RM 1212 ABOVE
K-1A604
K-1A604
K-1A604
K-1A604
K-1A604
K-1A604
K-1A604
K-1A604
EMERGENCY SHOWER
EXHAUST DUCT
EYEWASH
FUME HOOD
4" INTEGRAL KEMRESIN
REF. (N.I.C.)
SOUTH
K-1A104
K-1A104
NO BASE
K-SH-1004WXN
K-1A104
K-1A220
K-1A110
K-1A138
K-1A104
K-1A104
4'-0"
REF (N.I.C.)
EQ.
EQ.
F.E.C.
WEST

⑦ CHEMISTRY/BIOLOGY PREP ROOM #1212
1/4" = 1'-0"

"N" = KEMLINER


EMERGENCY SHOWER & FULL CHAIN
EQ.
EQ.
CLOCK/SPEAKER
24"
VISUAL STROBE/FIRE ALARM
4'-0" x 16'-0" LIQUID MARKER BOARD
T.V. (NIC)
EYEWASH
INTERCOM SWITCH
F.E.C.
NORTH

⑧ CHEMISTRY #1211
1/4" = 1'-0"


K-1A742
K-1A744
K-1A742
K-1A744
K-1A742
SAFETY GLASS MONITOR
FIXED PANEL
4" INTEGRAL KEMRESIN BACKSPLASH (TYP.)
EAST
K-1A446
K-1A 208
H'CAP ACCESS K-1A323M
K-1A323
K-1A119
K-1A323M
K-1A323
K-1A119
K-1A323M
4'-0"x4'-0" TACK BOARD
SOUTH
K-1A742
K-1A744
K-1A742
K-1A744
K-1A742
K-1A744
EXHAUST DUCT
FUME HOOD
FILLER PANEL
WEST
K-1A102
K-1A102
27" W
27" W
K-1A323M
K-1A323
K-1A119
K-1A323M
K-1A323
K-1A119
K-1A323M
K-1A323
K-1A119
K-1A 975
NO BASE K-SH1004WXN

⑨ CHEMISTRY #1211
1/4" = 1'-0"

C/W TYPE "D" DRAWER PARTITION @ EA. DRAWER

*"M" INDICATES MODIFICATION

"N" = KEMLINER

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88
APPLICATION FILE NO.

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPLICATION NO.
R. M. Cut
PRINCIPAL STRUCTURAL ENGINEER

APPROVED
FIRE AND PANIC ONLY
JUN
BJ
SOUTHEAST REGION

Drawn By	
Checked By	
Date	MARCH 1988
Commission No.	1.33.02

Revisions
△ 6/29/88 PHASING

Architects Planners
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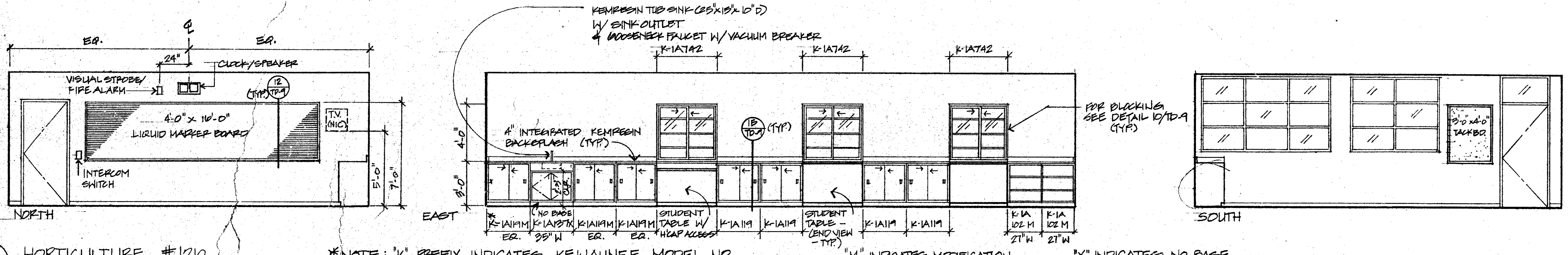
Riverside, CA 92501-3669
714/684-4664
5751 Palmer Way, Suite C
Carlsbad, CA 92008-1995
619/438-5899

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

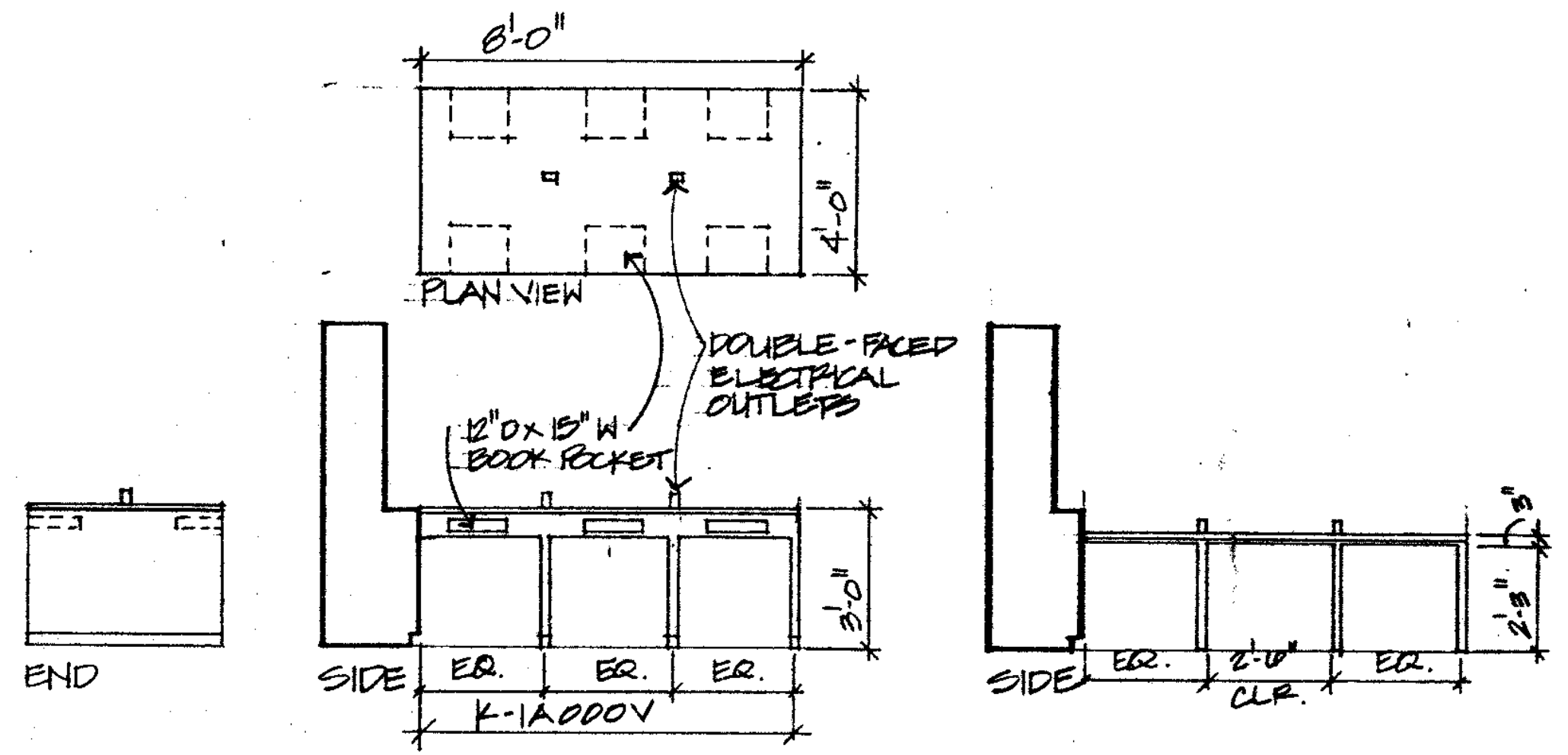
Science
Bldg. No. 12
Interior Elevation

Sheet Number
A-1209
Of Sheets

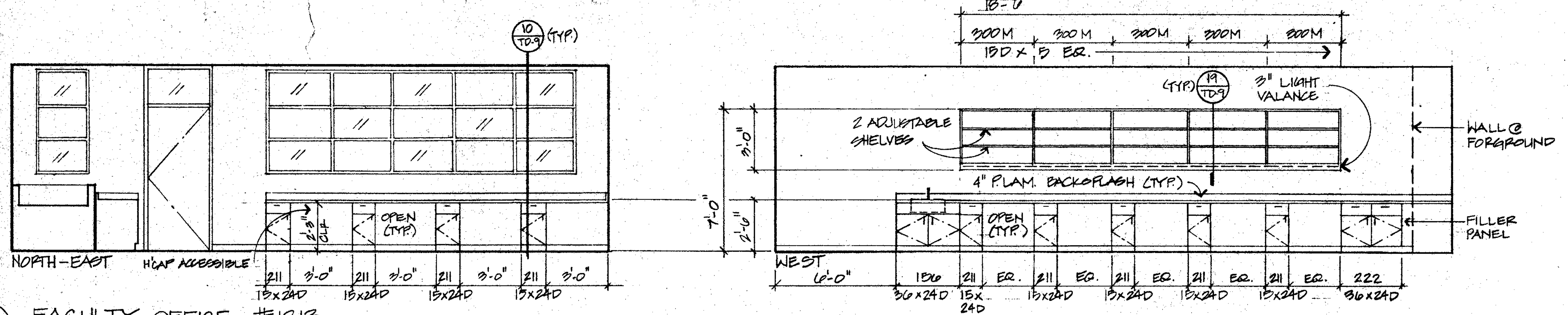

EQ.
EQ.
24"
CLOCK/SPEAKER
VISUAL STROBE/ FIRE ALARM
12 TD-9 (TYP)
4'-0" x 16'-0" LIQUID MARKER BOARD
T.V. (N.I.C.)
INTERCOM SWITCH
5'-0"
7'-0"
NORTH
KEMPESIN TIB SINK (25"x18"x10"D) W/ SINK OUTLET & GOOSENECK FAUCET W/ VACUUM BREAKER
K-1A742
K-1A742
K-1A742
4" INTEGRATED KEMPESIN BACKSPLASH (TYP)
18 TD-9 (TYP)
FOR BLOCKING SEE DETAIL 10/TD-9 (TYP)
4'-0"
3'-0"
EAST
NO BASE
K-1A119M
K-1A137X
K-1A119M
K-1A119M
STUDENT TABLE W/ H'CAP ACCESS
K-1A119
K-1A119
STUDENT TABLE - (END VIEW - TYP.)
K-1A119
K-1A119
K-1A 102 M
K-1A 102 M
EQ.
36"W
EQ.
EQ.
27"W
27"W
3'-0" x 4'-0" TACKBD.
SOUTH

① HORTICULTURE #1210
1/4" = 1'-0"

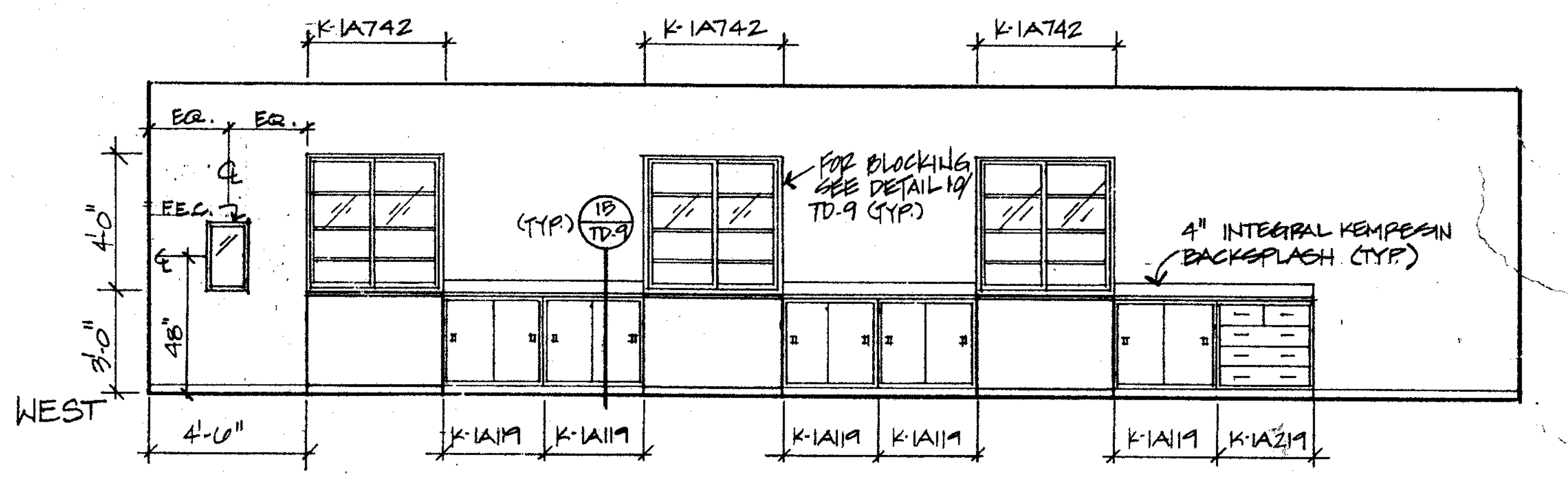
*NOTE: "K" PREFIX INDICATES KEWAUNEE MODEL NO. "M" INDICATES MODIFICATION "X" INDICATES NO BASE


6'-0"
4'-0"
PLAN VIEW
DOUBLE-FACED ELECTRICAL OUTLETS
12"D x 18"W BOOK POCKET
3'-0"
2'-8"
END
SIDE
EQ.
EQ.
EQ.
K-1A000V
SIDE
EQ.
2'-8" CLR.
EQ.

② HORTICULTURE STUDENT TABLES -W/H'CAP ACCESS
1/4" = 1'-0"


10 TD-9 (TYP)
NORTH-EAST
H'CAP ACCESSIBLE
2'-8" CLR.
OPEN (TYP)
211
3'-0"
211
3'-0"
211
3'-0"
211
3'-0"
15x24D
15x24D
15x24D
15x24D
18'-0"
300M
300M
300M
300M
300M
180 x 5 EQ.
(TYP)
19 TD-9
3" LIGHT VALANCE
2 ADJUSTABLE SHELVES
WALL @ FOREGROUND
4" P.LAM. BACKSPLASH (TYP)
OPEN (TYP)
FILLER PANEL
3'-0"
7'-0"
2'-0"
WEST
6'-0"
156
36x24D
211
15x24D
EQ.
211
EQ.
211
EQ.
211
EQ.
222
36x24D

③ FACULTY OFFICE #1213
1/4" = 1'-0"


K-1A742
K-1A742
K-1A742
EQ.
EQ.
E.E.C.
(TYP)
19 TD-9
FOR BLOCKING SEE DETAIL 10 TD-9 (TYP)
4" INTEGRAL KEMPESIN BACKSPLASH (TYP)
4'-0"
3'-0"
48"
WEST
4'-0"
K-1A119
K-1A119
K-1A119
K-1A119
K-1A119
K-1A219

④ HORTICULTURE #1210
1/4" = 1'-0"

GENERAL NOTES:

1. NUMBER ABOVE DIMENSION LINE REFERS TO W.I.C. MODEL NO. U.N.O.
2. "M" SUFFIX REFERS TO MODIFICATION IN STD. DESIGN.
3. FOR TYPICAL MOUNTING OF CABINETS, REFER TO DETAIL 10/TD-9.
4. FOR FINISH SPECS, REFER TO CASEWORK FINISH SCHEDULE, SHEET TD-6.

OFFICE OF THE STATE ARCHITECT
A 49275 JUN 22 1988

Drawn By	
Checked By	
Date	MARCH 1988
Commission No.	1.30.02

Revisions
△ 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU / ASSOCIATES
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714/684-4664
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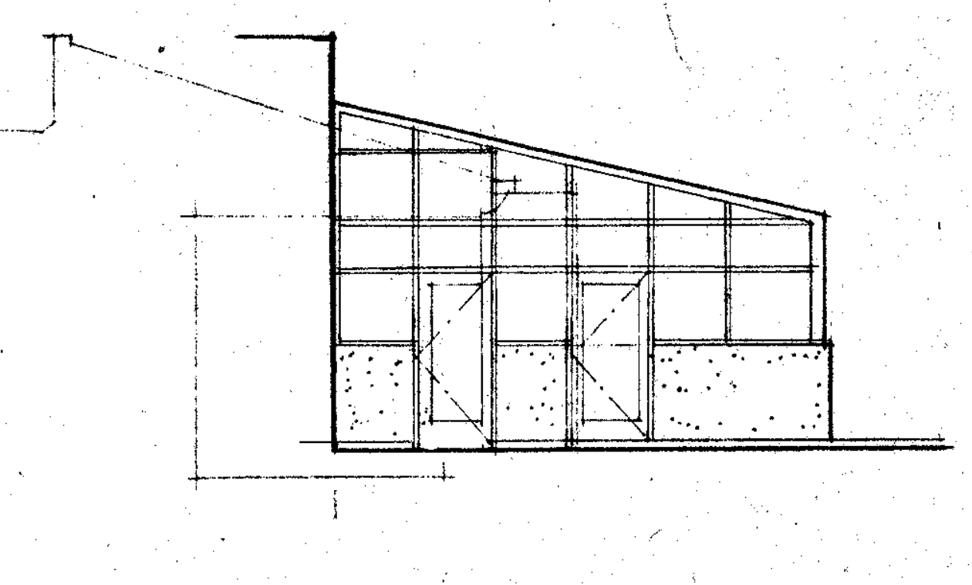
Carlsbad, CA 92008-1995
619/438-5899

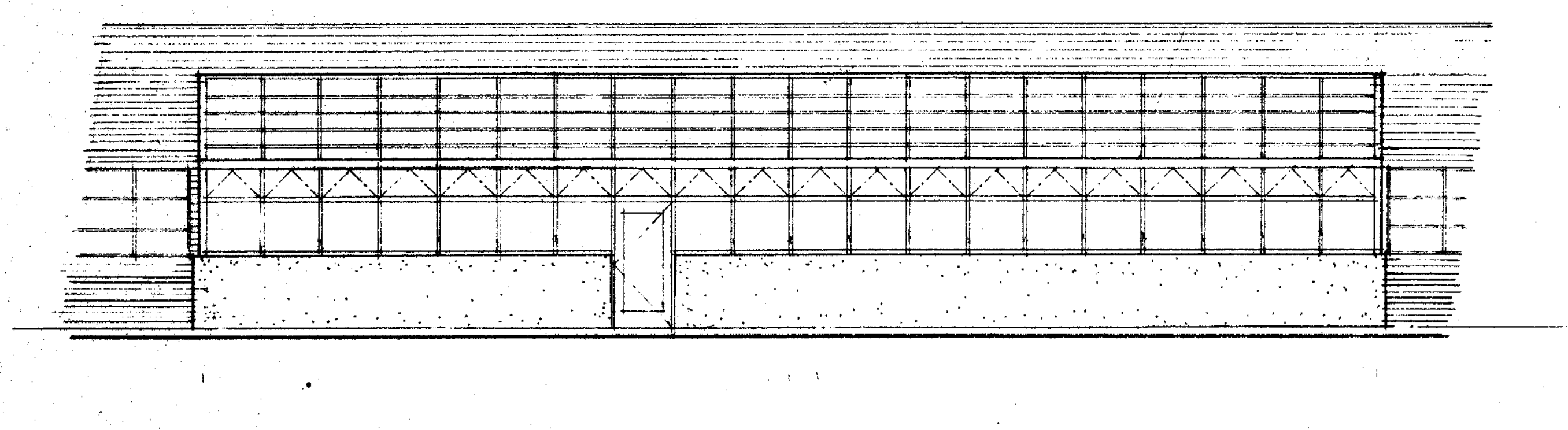
ARCHITECT
C-6497

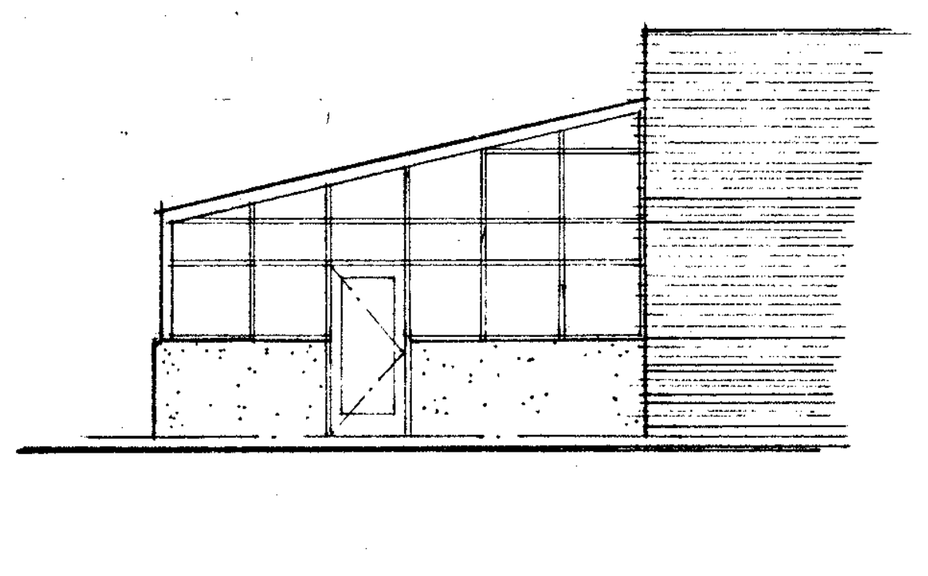
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

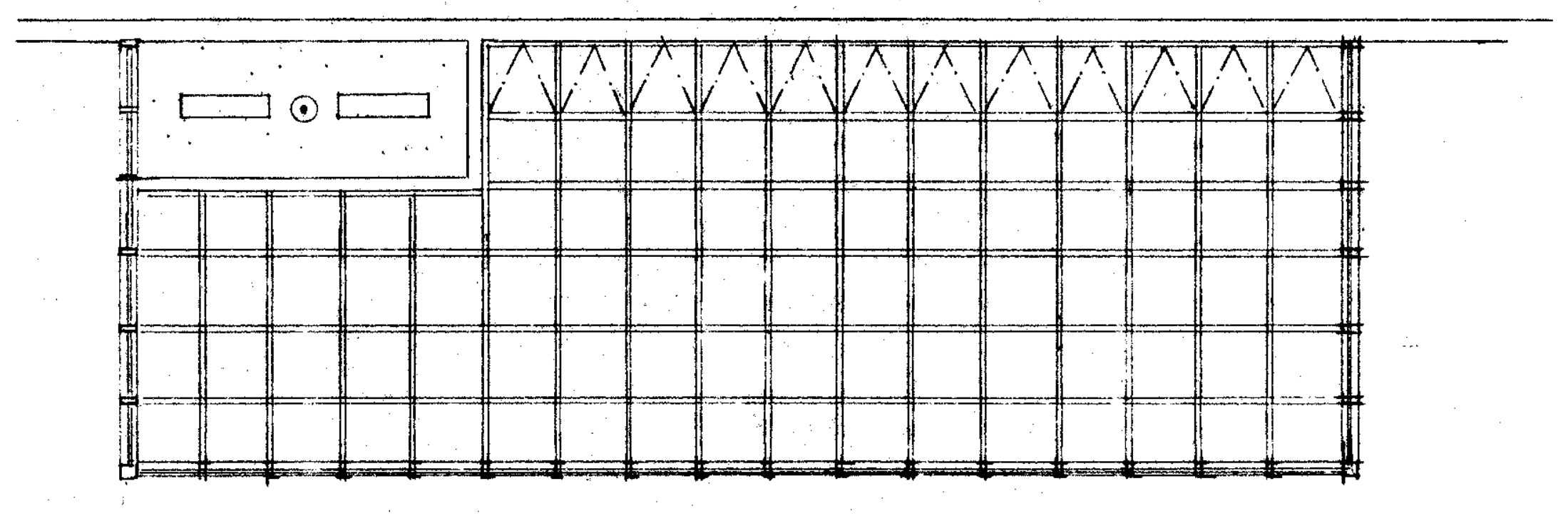
Science
Bldg. No. 12
Interior Elevation

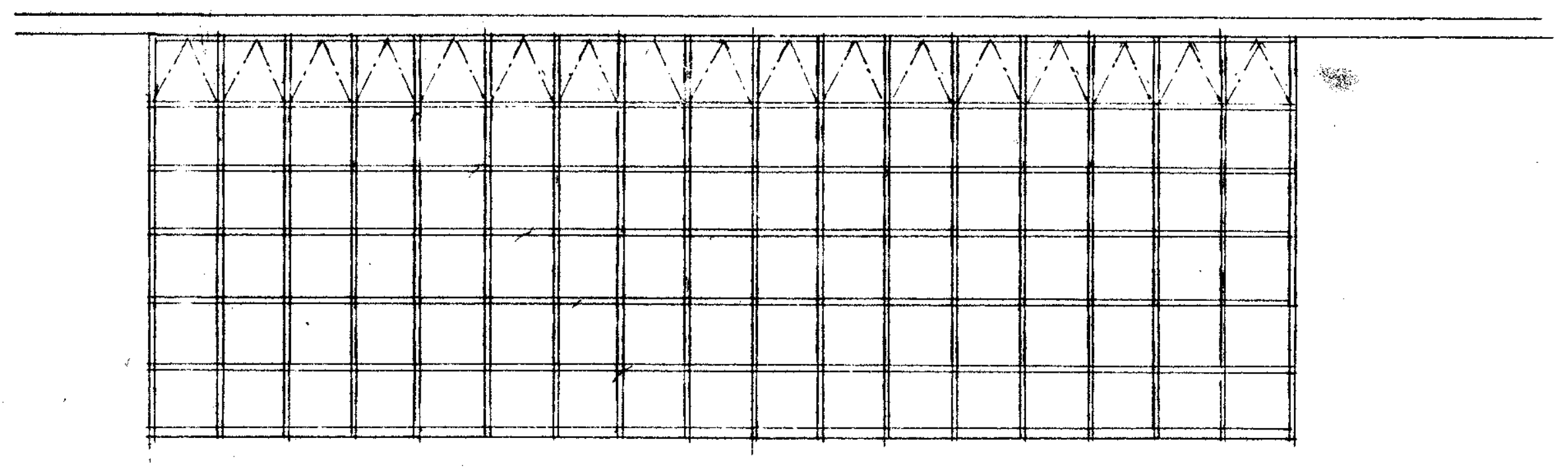
Sheet Number
A-1210
Of Sheets


WEST ELEV.
1/8"=1'-0"


SOUTH ELEVATION
1/8"=1'-0"


EAST ELEV.
1/8"=1'-0"


N
REFLECTED CEILING PLAN
1/8"=1'-0"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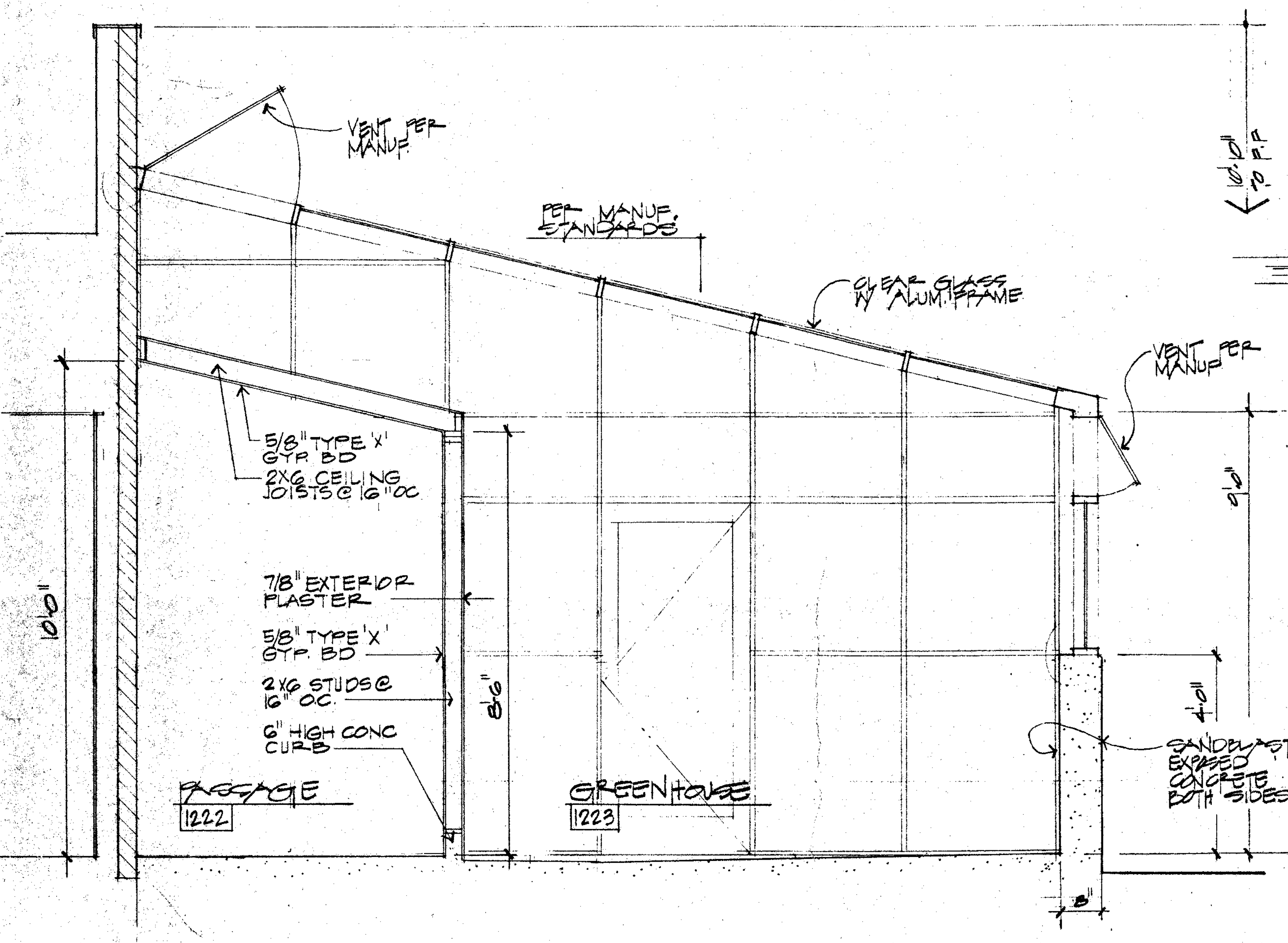
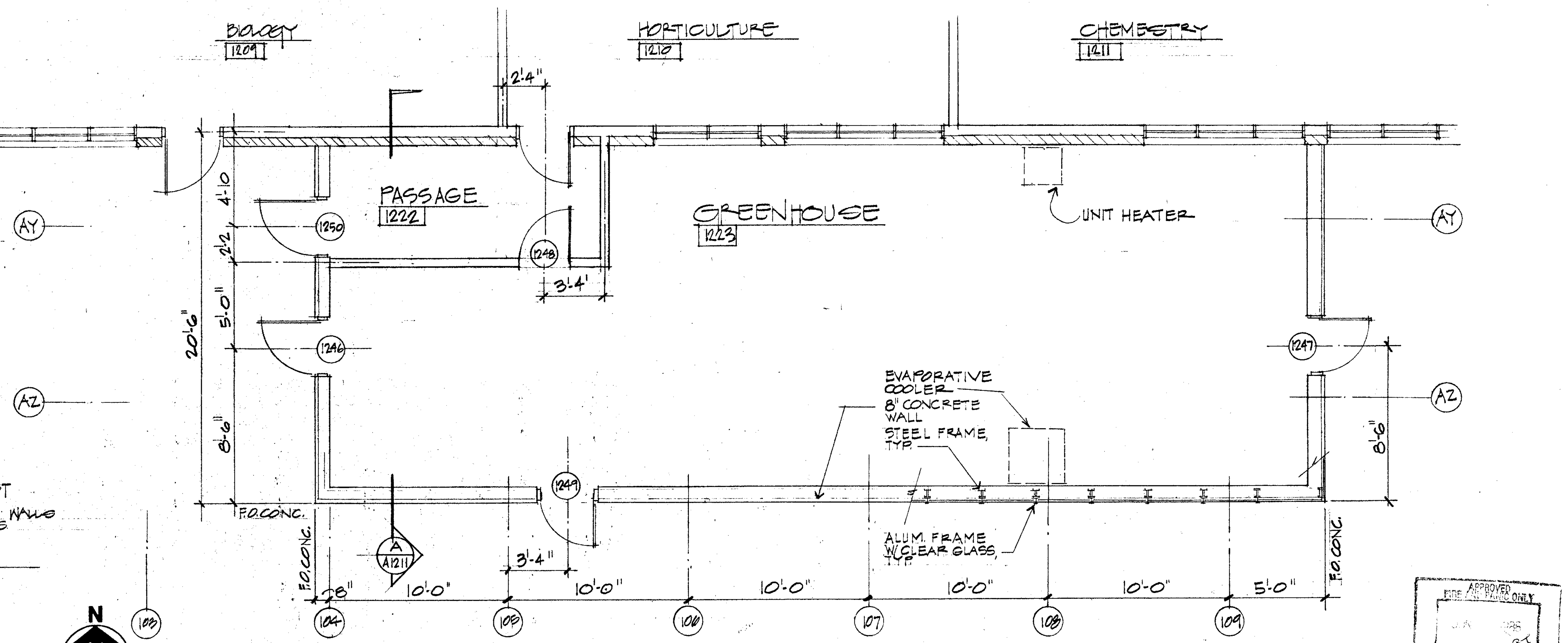
ROOF PLAN
1/8"=1'-0"

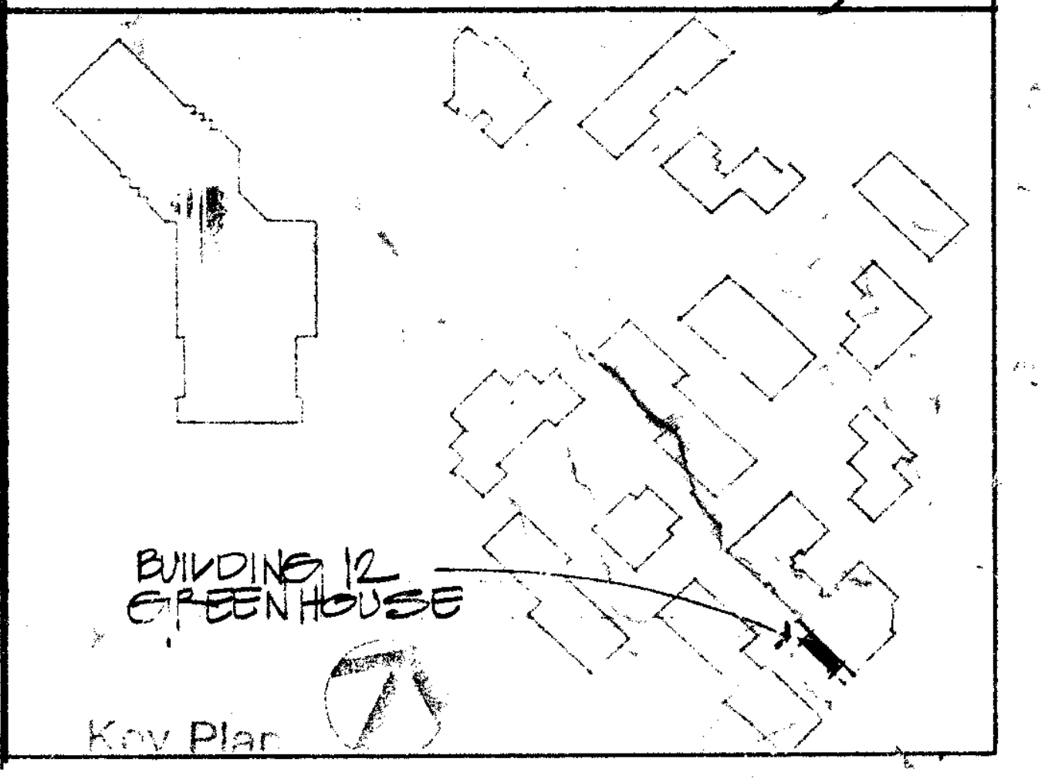

VENT PER MANUF.
PER MANUF. STANDARDS
CLEAR GLASS W/ ALUM. FRAME
VENT PER MANUF.
5/8" TYPE 'X' GYP. BD
2X6 CEILING JOISTS @ 16" OC
7/8" EXTERIOR PLASTER
5/8" TYPE 'X' GYP. BD
2X6 STUDS @ 16" O.C.
6" HIGH CONC CURB
SANDBLAST EXPOSED CONCRETE WALLS BOTH SIDES
PASSAGE
1222
GREENHOUSE
1223
10'-0"
8'-6"
6'-0"
4'-0"
8"
A
A1211
SECTION
1/2"=1'-0"


10'-0" TO P.P.
BIOLOGY
1209
HORTICULTURE
1210
CHEMISTRY
1211
2'-4"
PASSAGE
1222
GREENHOUSE
1223
UNIT HEATER
AY
AZ
1250
1248
1246
1247
1249
3'-4'
4'-10
2'-2
5'-0"
8'-6"
20'-6"
8'-6"
EVAPORATIVE COOLER
8" CONCRETE WALL
STEEL FRAME, TYP.
ALUM. FRAME W/ CLEAR GLASS, TYP.
F.O. CONC.
F.O. CONC.
F.O. CONC.
A
A1211
3'-4"
8"
10'-0"
10'-0"
10'-0"
10'-0"
10'-0"
5'-0"
103
104
105
106
107
108
109
N
FLOOR PLAN
1/4"=1'-0"

APPROVED
FIRE AND PANIC ONLY
JUN 1988
SJ
STATE FIRE MARSHAL
SOUTHERN REGION

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88
APPLICATION NO.

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPROVED
APPLICATION NO.
PRINCIPAL STRUCTURAL ENGINEER


BUILDING 12
GREENHOUSE
Key Plan

Drawn By
Checked By
Date MAR 1988
Commission No. 13002

Revisions
A 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES

3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664

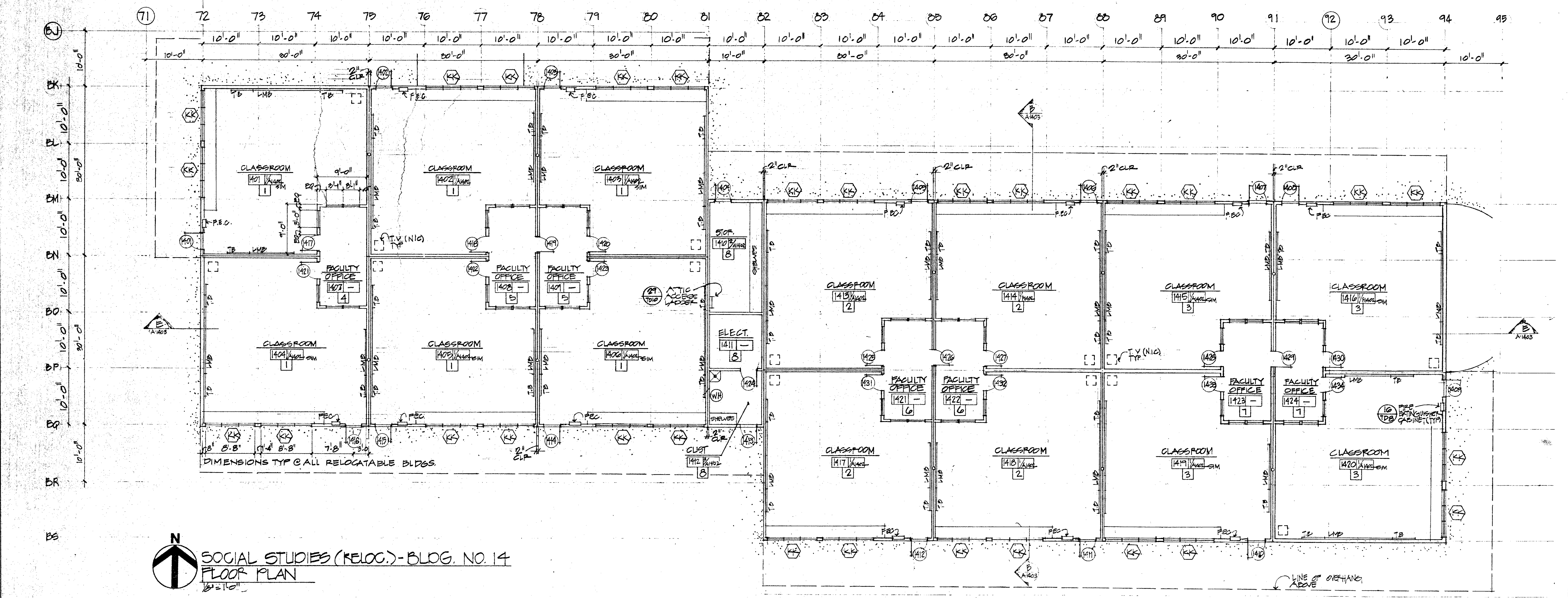
5751 Palmer Way, Suite C
Carlsbad, CA 92008-1995
619/438-5899

ARCHITECT
C-6497

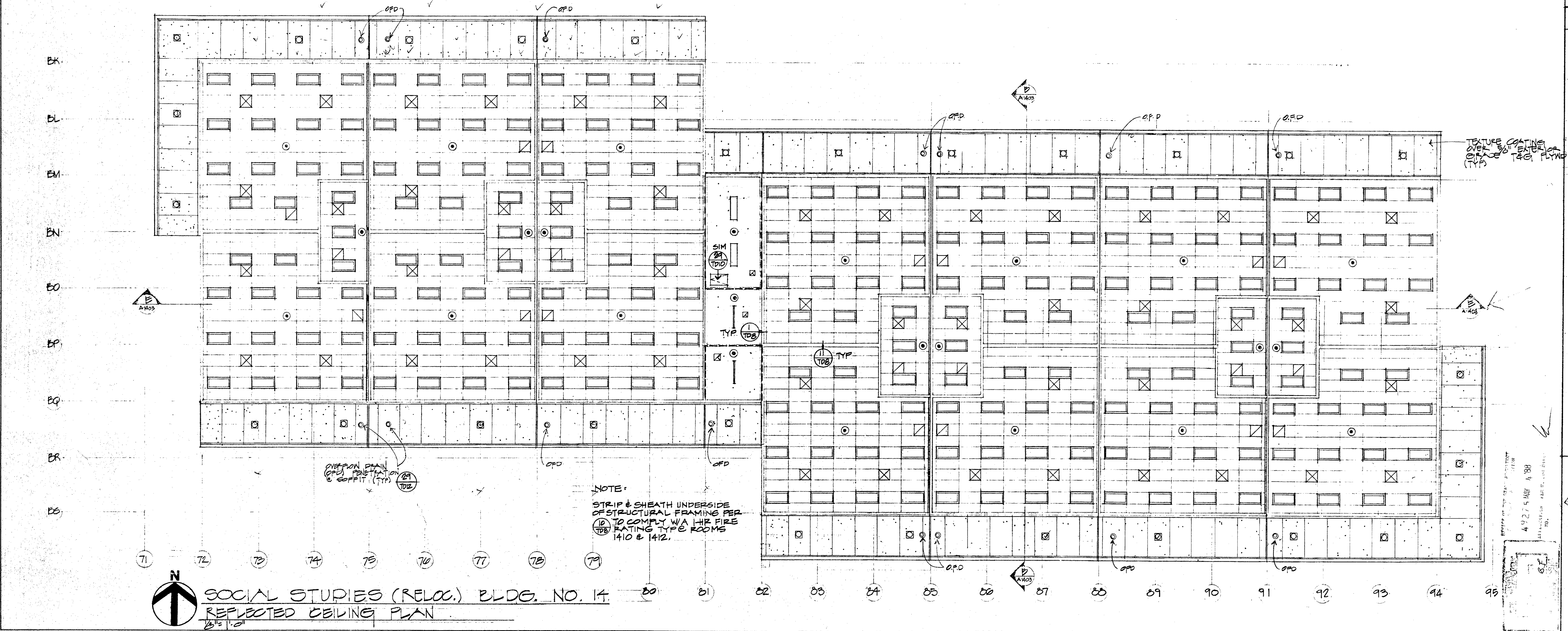
West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

Greenhouse Building No 12
Floor Plan, Ref. Clg. Plan, Roof Plan,
Ext. Elev., Section
DISTRICT ADDITIVE ALTERNATE # D-1

Sheet Number
A-1211
Of 1 Sheets


CLASSROOM 1401
CLASSROOM 1402
CLASSROOM 1403
FACULTY OFFICE 1407
FACULTY OFFICE 1408
FACULTY OFFICE 1409
CLASSROOM 1404
CLASSROOM 1405
CLASSROOM 1406
STOR. 1410
ELECT. 1411
CUST 1412
CLASSROOM 1413
CLASSROOM 1414
CLASSROOM 1415
CLASSROOM 1416
FACULTY OFFICE 1421
FACULTY OFFICE 1422
FACULTY OFFICE 1423
FACULTY OFFICE 1424
CLASSROOM 1417
CLASSROOM 1418
CLASSROOM 1419
CLASSROOM 1420
T.V. (N.I.C.)
ATTIC ACCESS LADDER
DIMENSIONS TYP @ ALL RELOCATABLE BLDGS.
LINE OF OVERHANG ABOVE

SOCIAL STUDIES (RELOC.) - BLDG. NO. 14
FLOOR PLAN
1/8"=1'-0"


O.F.D.
TEXTURE COATING OVER 5/8" EXTERIOR GRADE T&G PLYWD (TYP)
OVERFLOW DRAIN (OFD) PENETRATION @ SOFFIT (TYP)
SIM
TYP

NOTE:
STRIP & SHEATH UNDERSIDE OF STRUCTURAL FRAMING PER 10/TD8 TO COMPLY W/ A 1 HR FIRE RATING TYPE ROOMS 1410 & 1412.

SOCIAL STUDIES (RELOC.) BLDG. NO. 14
REFLECTED CEILING PLAN
1/8"=1'-0"

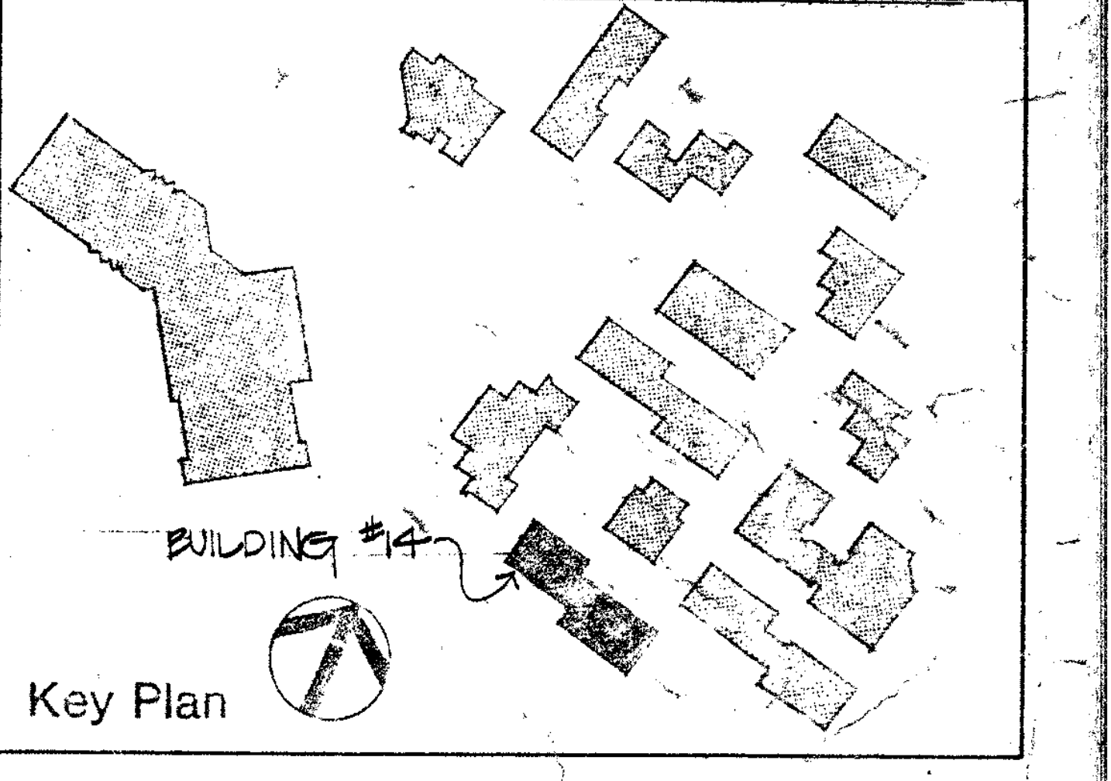
GENERAL NOTES

1. ALL EXTERIOR STUD WALLS TO BE 5½" THICK W/ R-11 BATT INSULATION AND A TEXTURE COATING EXTERIOR FINISH ON PLYWOOD
2. INTERIOR PARTITIONS @ ELECTRICAL ROOMS OR WHERE PANEL BOXES OCCUR ARE TO BE 5½" THICK
3. ALL INTERIOR PARTITIONS TO HAVE SOUND INSULATION BATTS
4. REFER TO REFLECTED CEILING PLAN FOR FIRE RATED WALLS.

REFLECTED CEILING LEGEND

- - - - -	ONE HOUR SEPARATION
—— ——	TWO HOUR SEPARATION
——-——	FOUR HOUR SEPARATION
░	GYPSUM BOARD SOFFIT OR CEILING
CPL	CEMENT PLASTER SOFFIT OR CEILING
▤	EXPOSED METAL DECKING
▦	ACOUSTICAL CEILING TILE GLUED TO GYPSUM BOARD
⊞	2X4 SUSPENDED ACOUSTICAL CEILING PANELS
▦	2X2 SUSPENDED ACOUSTICAL CEILING PANELS
▭	RECESSED LIGHT FIXTURE
▭	SURFACE MOUNTED LIGHT FIXTURE
◘	RECESSED DOWN LIGHT
▬	SURFACE MOUNTED STRIP LIGHT
⊥	WALL MOUNTED LIGHT FIXTURE
○	PENDANT MOUNTED LIGHT FIXTURE
⊙	FIRE DETECTION DEVICE
▣	RADIANT HEATER
☒	SUPPLY DIFFUSER
⧄	RETURN AIR DIFFUSER
⧅	EXHAUST AIR DIFFUSER
▤	SOFFIT DIFFUSER
SL	SKYLIGHT
▷	ROOF HATCH
⊗↑	EXIT LIGHT
EJ	EXPANSION JOINT
100	ROOM NUMBER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
49275 JUN 22 1988
APPROVED APPLICATION NO.
P. M. C
PRINCIPAL STRUCTURAL ENGINEER


BUILDING #14

Key Plan

Drawn By
Checked By
Date MAR 1988
Commission No 13002

Revisions
△ 6/29/88 PHASING

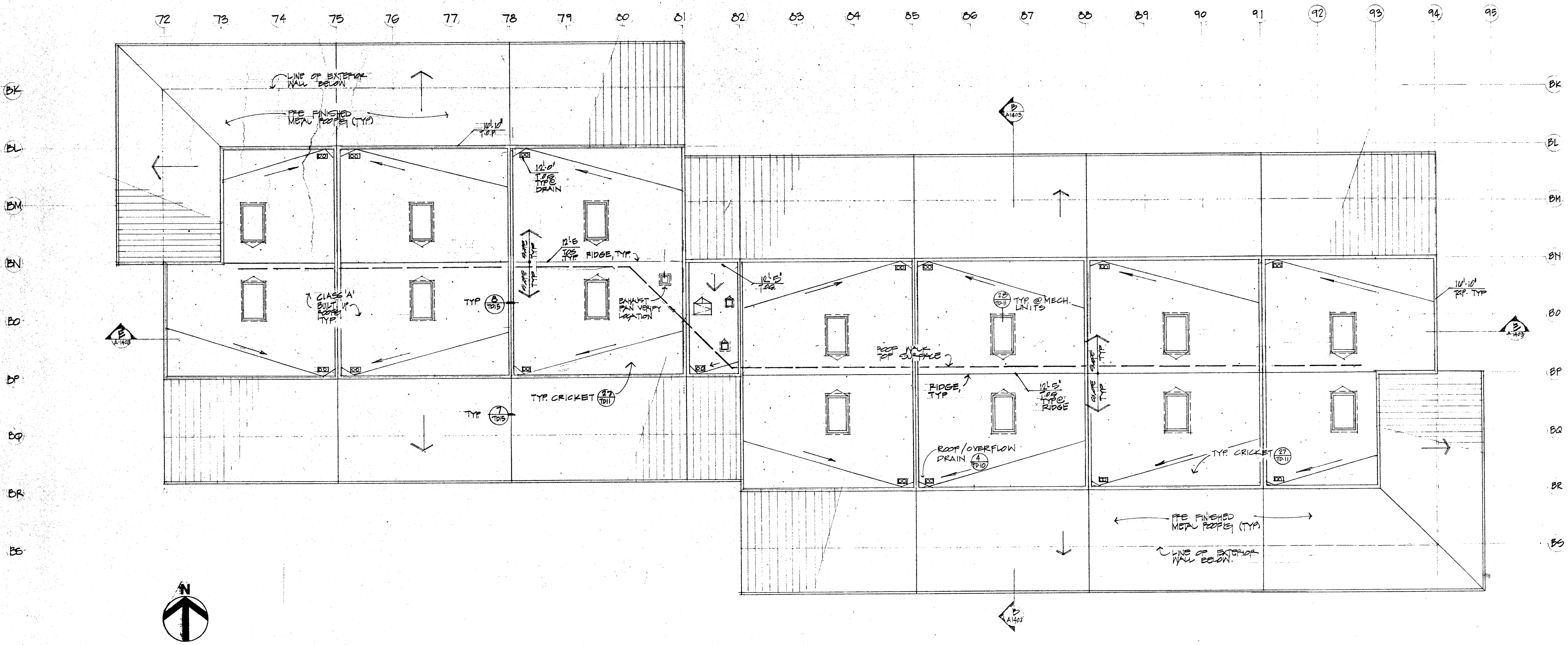
Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
3775 Tenth Street
Riverside, CA 92501-3869
714/684-4664
5751 Palmer Way, Suite C
Carlsbad, CA 92008-1995
619/438-5899

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Social Studies (Reloc.)
Bldg. No. 14
Floor Plan/Reflected Clg. Plan

Sheet Number
A-1401
Of Sheets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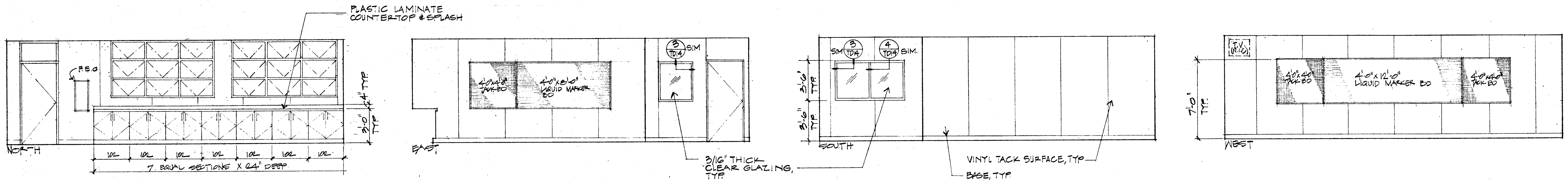
BK
BL
BM
BN
BO
BP
BQ
BR
BS
LINE OF EXTERIOR WALL BELOW
PRE FINISHED METAL ROOFS (TYP)
10'-10" T.O.P.
12'-0" T.O.S. TYP. DRAIN
12'-5" T.O.S. TYP.
RIDGE, TYP.
SLOPE TYP
CLASS 'A' BUILT UP ROOFS TYP
TYP 8 TD13
EXHAUST FAN VERIFY LOCATION
12'-5" T.O.S.
B A1403
28 TD-11 TYP @ MECH. UNITS
ROOF WALK TOP SURFACE
RIDGE, TYP
12'-5" T.O.S. TYP. RIDGE
10'-10" T.O.P. TYP
TYP. CRICKET 27 TD11
TYP 7 TD13
ROOF/OVERFLOW DRAIN 4 TD-10
TYP. CRICKET 27 TD-11
PRE FINISHED METAL ROOFS (TYP)
LINE OF EXTERIOR WALL BELOW
N

SOCIAL STUDIES - BLDG. NO. 14

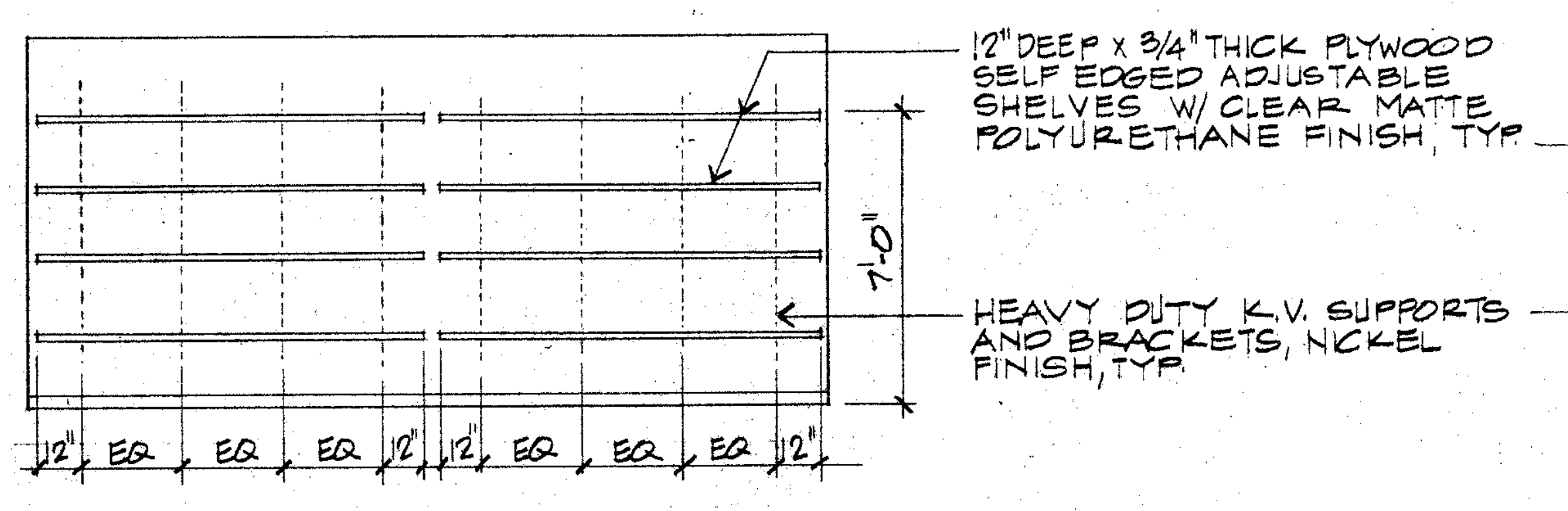
ROOF PLAN

1/8" = 1'-0"


PLASTIC LAMINATE COUNTERTOP & SPLASH
F.E.C.
3'-0" TYP
2'-4" TYP
NORTH
1'0" 1'0" 1'0" 1'0" 1'0" 1'0" 1'0"
7 EQUAL SECTIONS X 24" DEEP
EAST
4'-0"x4'-0" TACK BD
4'-0"x8'-0" LIQUID MARKER BD
3 TD14 SIM.
SM 3 TD14
4 TD15 SIM.
3'-6" TYP
3'-6" TYP
SOUTH
3/16" THICK CLEAR GLAZING, TYP
VINYL TACK SURFACE, TYP
BASE, TYP
T.V. BRKT.
7'-0" TYP
4'-0"x4'-0" TACK BD
4'-0"x12'-0" LIQUID MARKER BD
4'-0"x4'-0" TACK BD
WEST

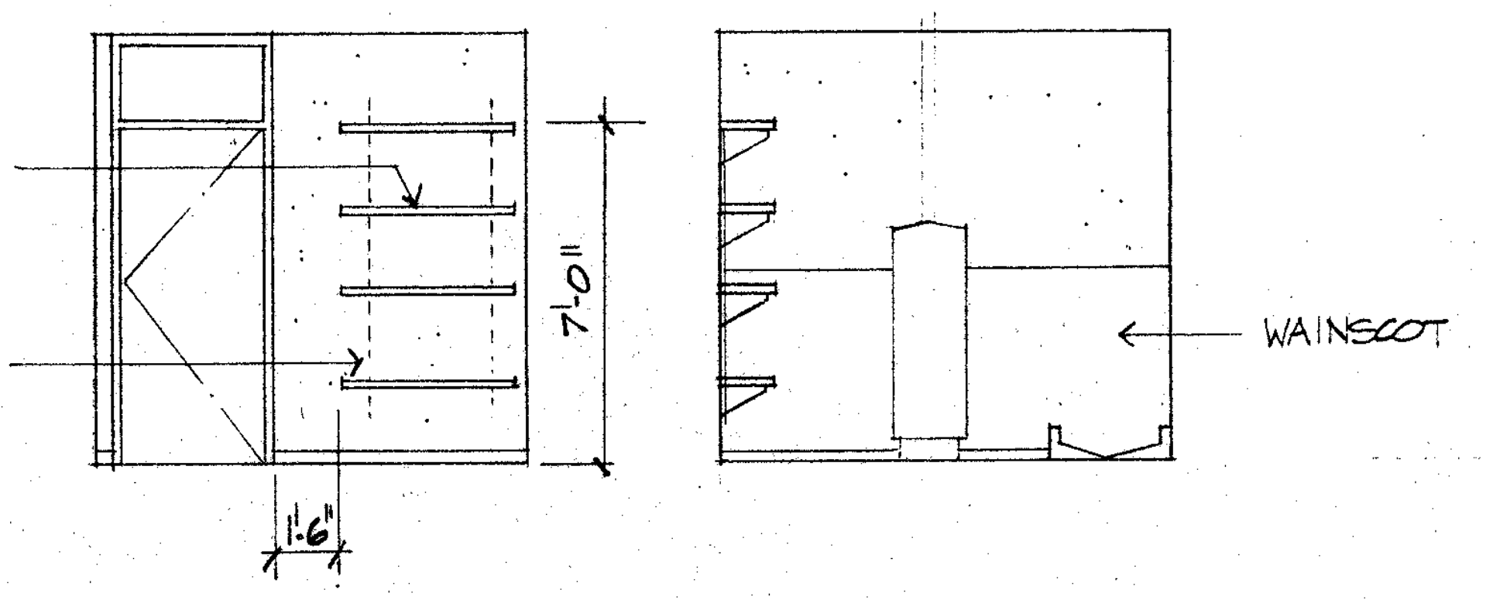
① A1402 CLASSROOM #1402 (1401, 1403, 1404, 1405, 1406, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420 SIMILAR)

1/4" = 1'-0"


12" DEEP x 3/4" THICK PLYWOOD SELF EDGED ADJUSTABLE SHELVES W/ CLEAR MATTE POLYURETHANE FINISH, TYP.
7'-0"
HEAVY DUTY K.V. SUPPORTS AND BRACKETS, NICKEL FINISH, TYP.
12" EQ EQ EQ 12" 12" EQ EQ EQ 12"

② A1402 STORAGE 1410

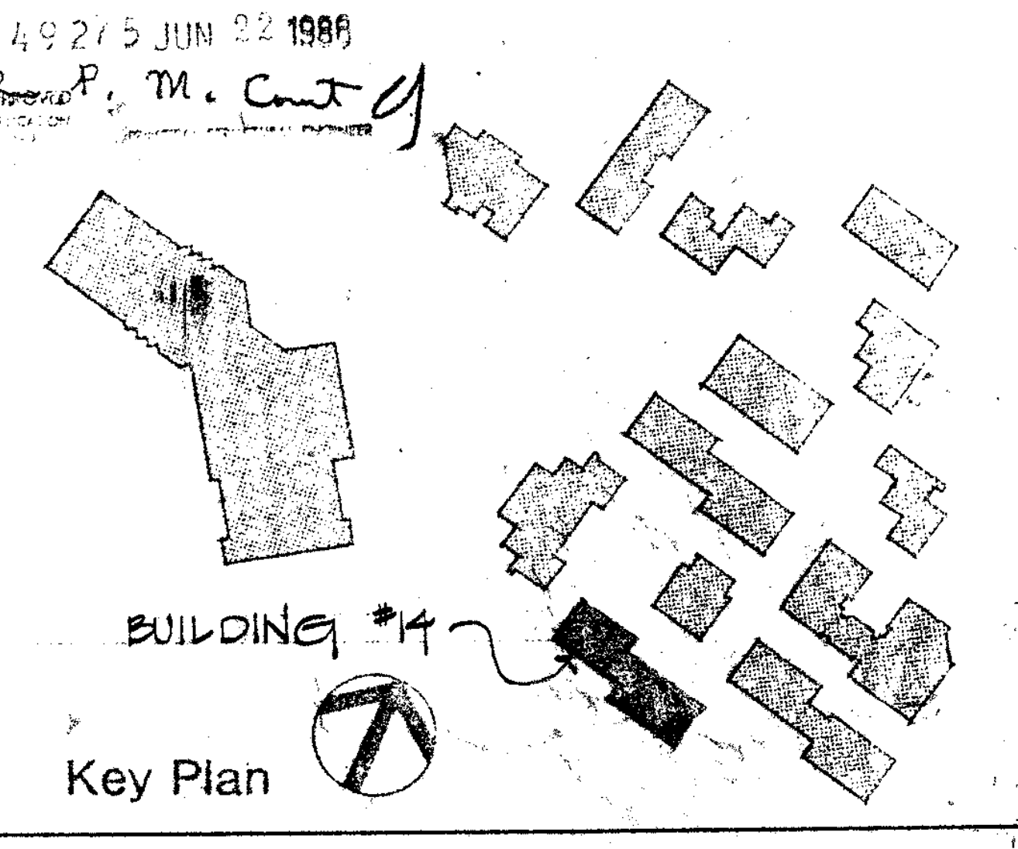
1/4" = 1'-0"


7'-0"
1'-6"
WAINSCOT

③ A1402 CUSTODIAN 1412

1/4" = 1'-0"

OFFICE OF THE STATE ARCHITECT
A 48275 JUN 22 1988


BUILDING #14

Key Plan

Drawn By	Revisions
Checked By	
Date MAR 1988	
Commission No. 13002	

Architects Planners
RUHNAU McGAVIN RUHNAU / ASSOCIATES
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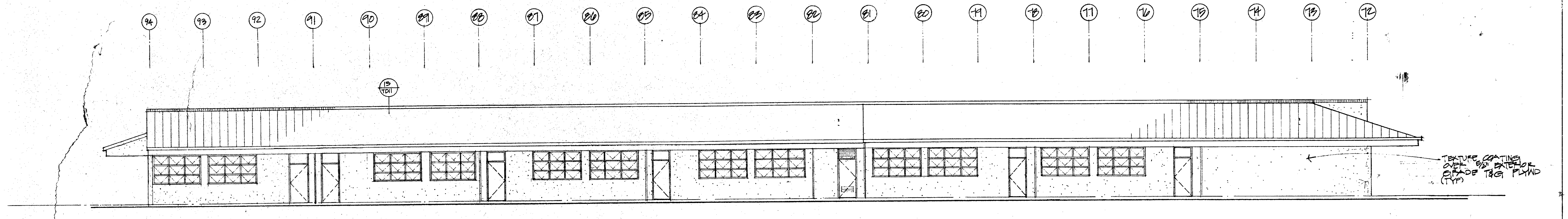
619/438-5699

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Social Studies (Reloc.)
Bldg. No. 14
Roof Plan

Sheet Number
A-1402
Of Sheets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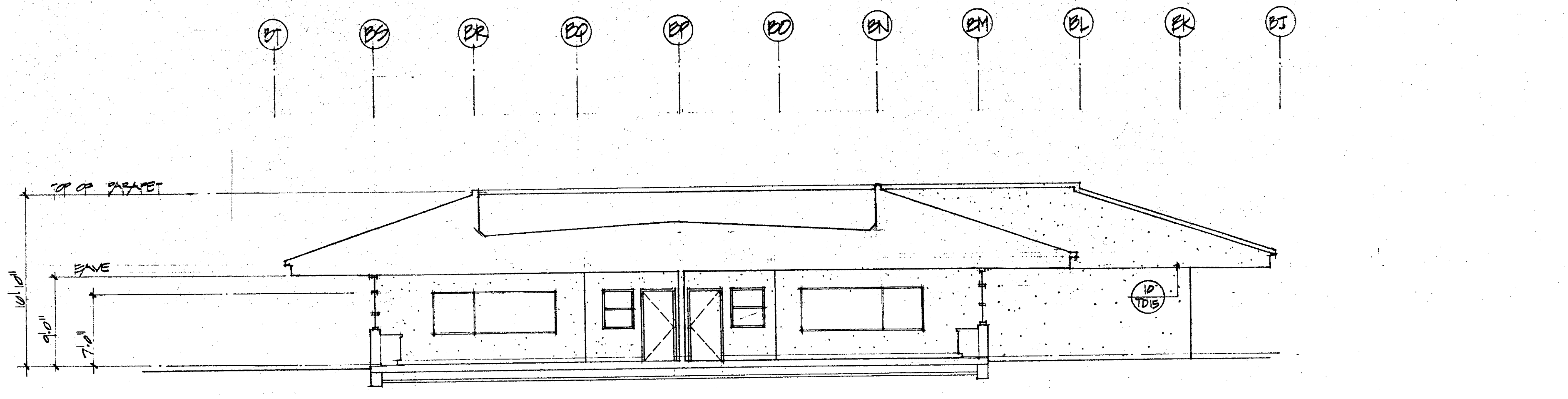
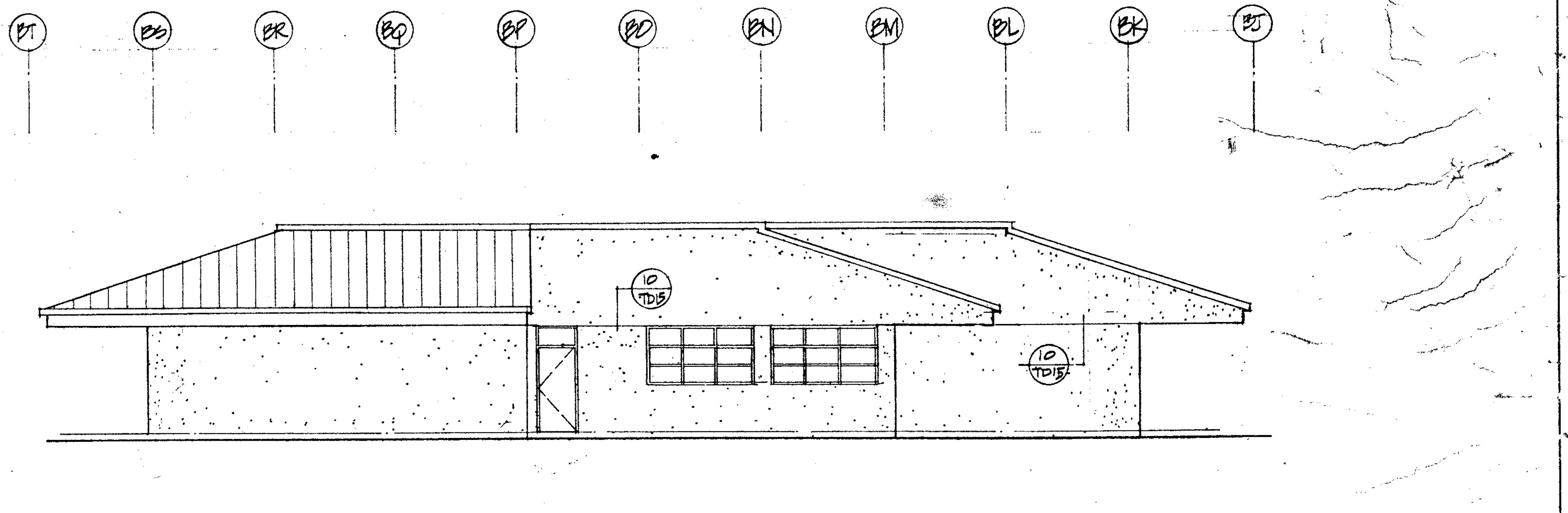
TD11
TEXTURE COATING OVER 5/8" EXTERIOR GRADE T&G PLYWD (TYP)

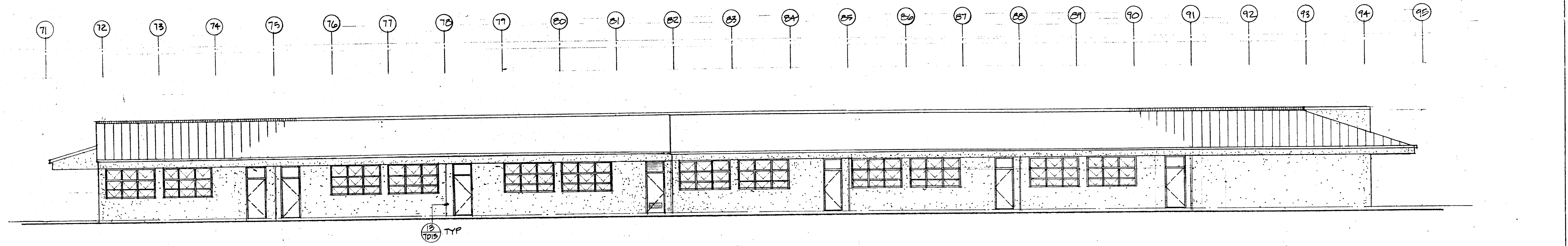
A
A1403
NORTH ELEVATION-SOCIAL STUDIES (RELOC.) BUILDING NO. 14
1/8"=1'-0"


BT
BS
BR
BQ
BP
BO
BN
BM
BL
BK
BJ
TOP OF PARAPET
EAVE
16'-10"
9'-0"
7'-0"
10
TD15

B
A1403
SECTION-BLDG. NO. 14
1/8"=1'-0


BT
BS
BR
BQ
BP
BO
BN
BM
BL
BK
BJ
10
TD15
10
TD15

C
A1403
EAST ELEVATION-BLDG. NO. 14
WEST ELEVATION SIMILAR
1/8"=1'-0"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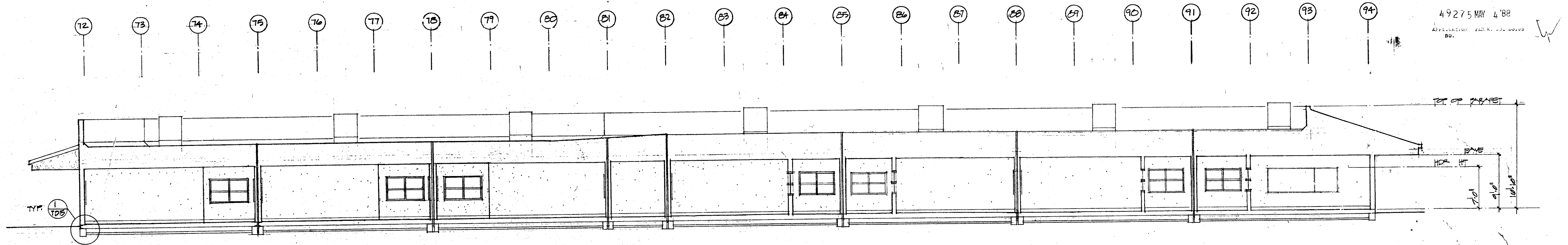
TD15
TYP

D
A1403
SOUTH ELEVATION-BLDG. NO. 14
1/8"=1'-0"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91
92
93
94
TOP OF PARAPET
EAVE
HDR HT
7'-0"
9'-0"
16'-10"
TYP.
1
TD15

E
A1403
SECTION-BLDG. NO. 14
1/8"=1'-0"

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88
APPLICATION NO.

APPROVED
FIRE AND PANIC ONLY
JUN 0 1988
BJ
STATE FIRE MARSHAL
SOUTHERN REGION

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPROVED
APPLICATION NO.
P. M. Conty
PRINCIPAL STRUCTURAL ENGINEER

Drawn By
Checked By
Date MAR 1988
Commission No. 13002

Revisions
A 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES

3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664

5751 Palmer Way, Suite C
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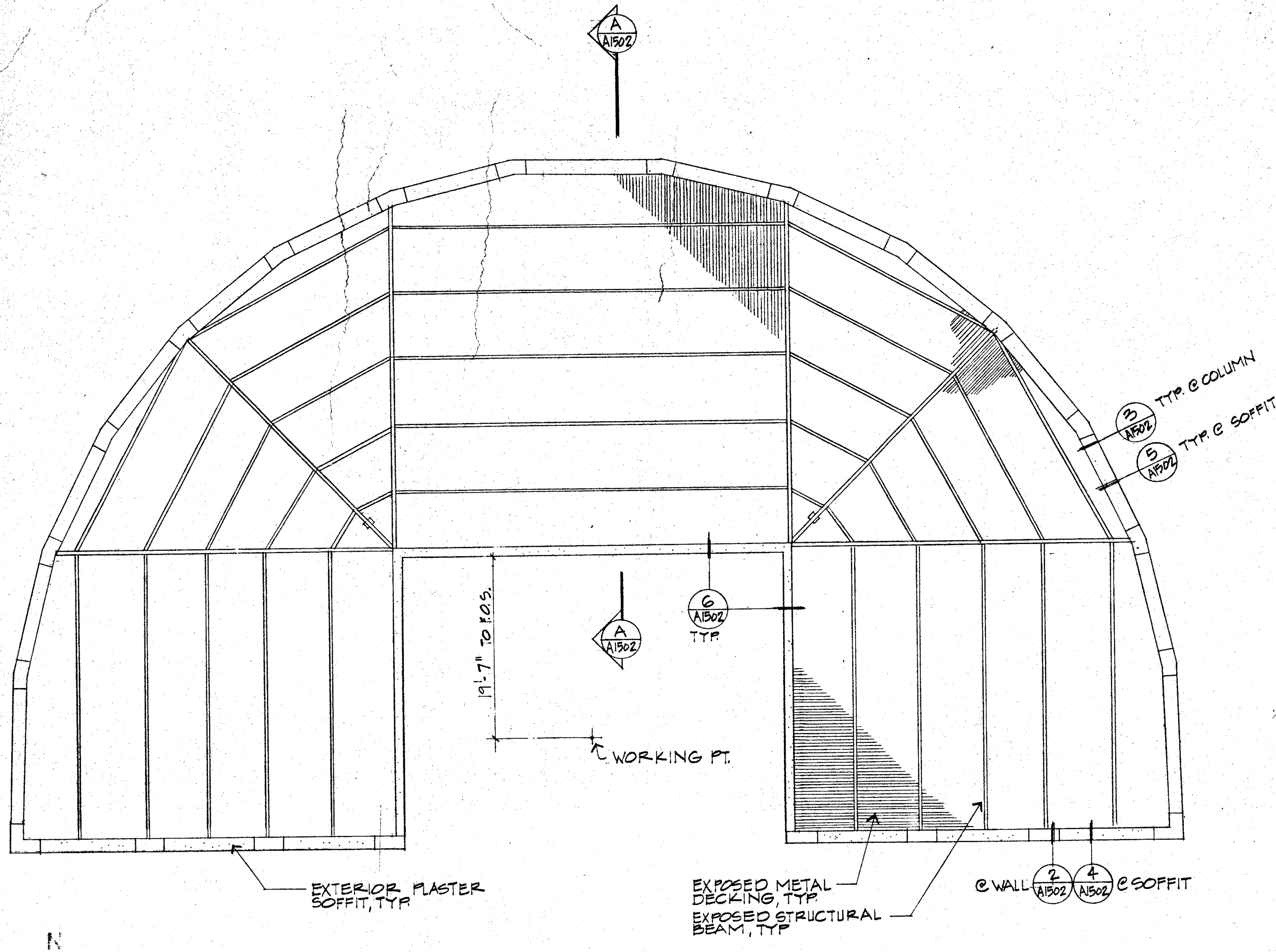
ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

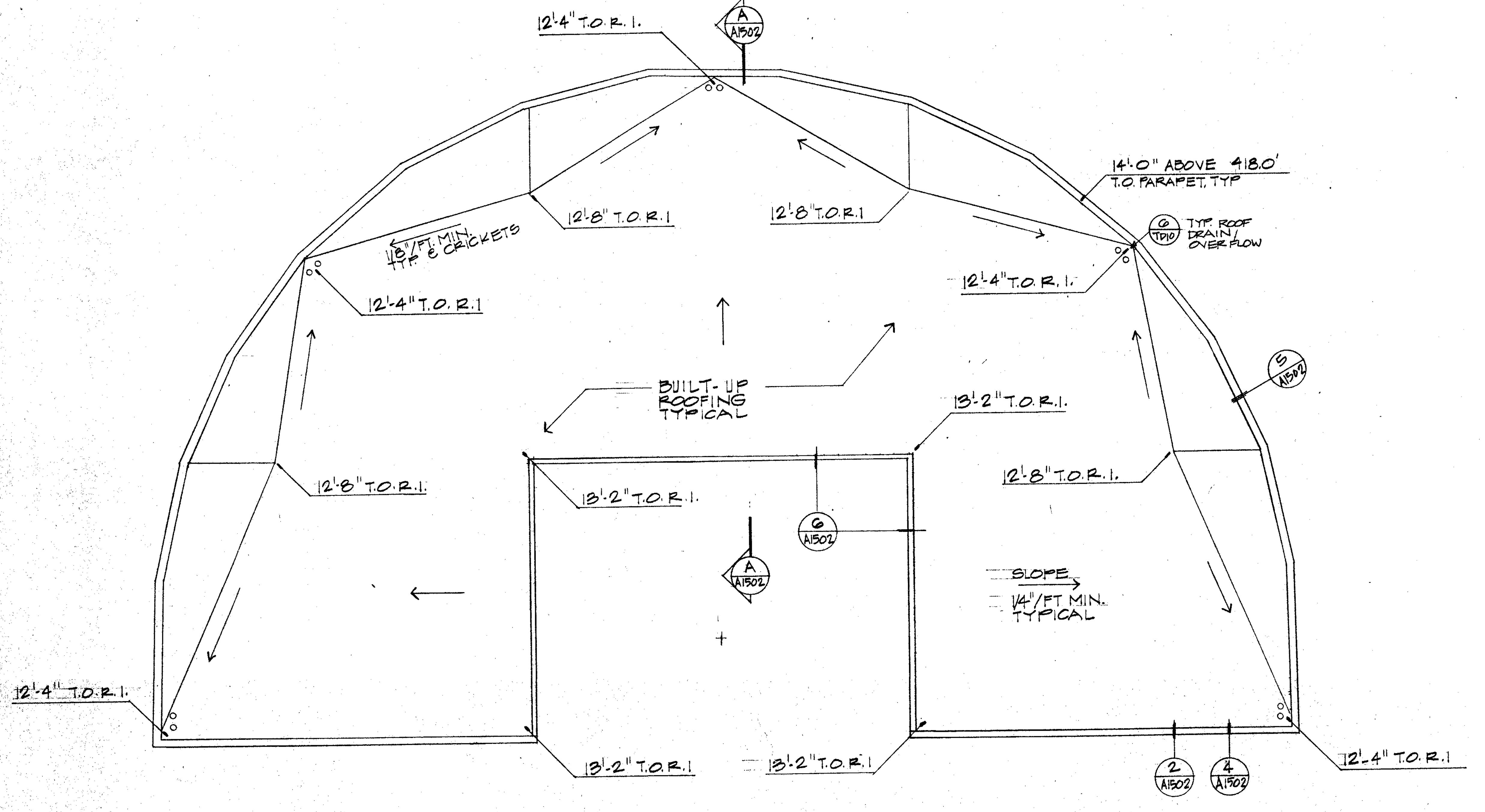
Social Studies (Reloc.)
Bldg. No. 14
Exterior Elevations & Sections

Sheet Number
A-1403
Of Sheets


A A1502
3 A1502 TYP. @ COLUMN
5 A1502 TYP. @ SOFFIT
6 A1502 TYP.
19'-7" T.O.F.D.S.
WORKING PT.
EXTERIOR PLASTER SOFFIT, TYP.
EXPOSED METAL DECKING, TYP.
EXPOSED STRUCTURAL BEAM, TYP.
@ WALL 2 A1502 4 A1502 @ SOFFIT
N

REFLECTED CEILING PLAN

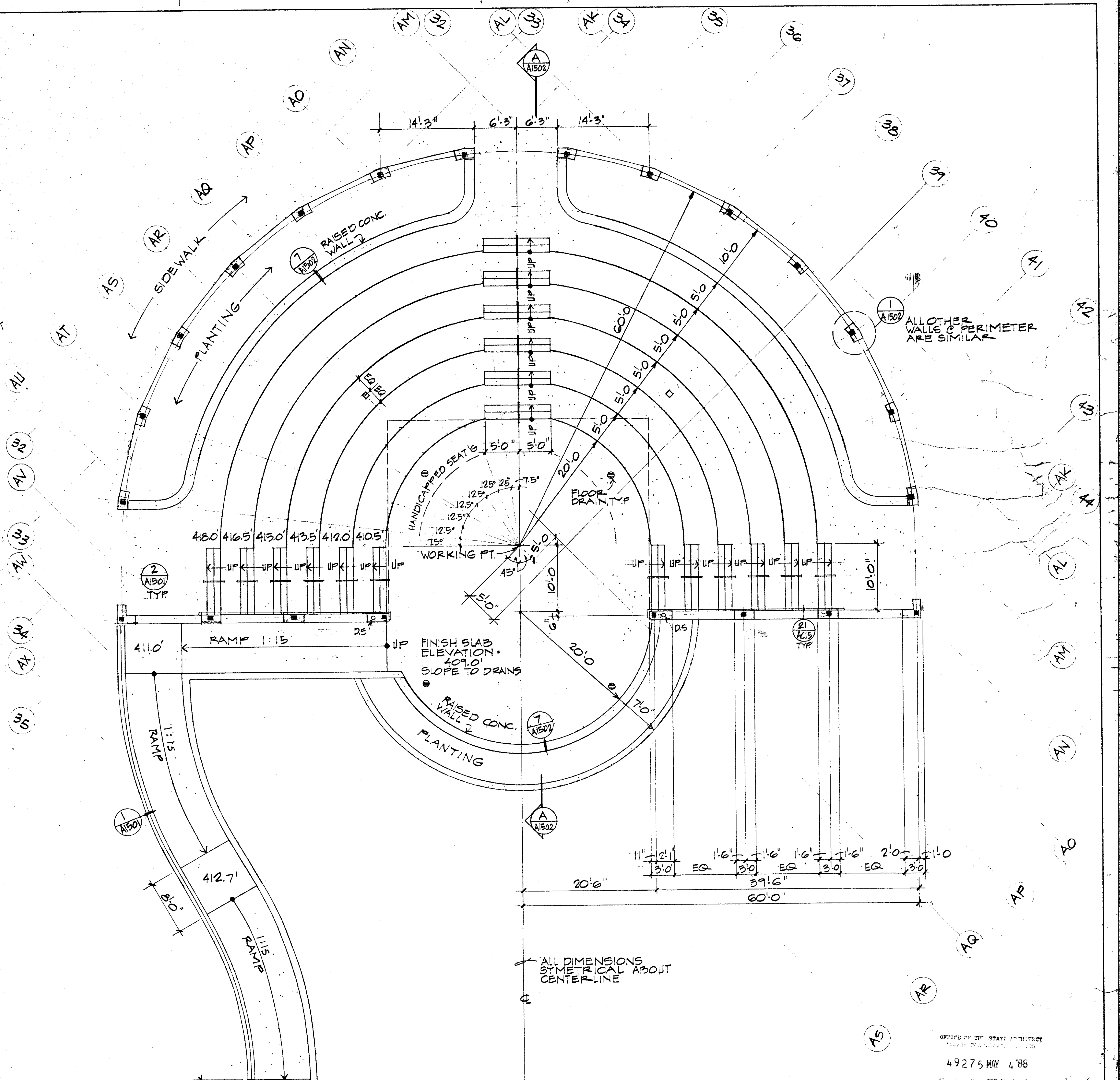
1/8" = 1'-0"


A A1502
12'-4" T.O.R.I.
12'-8" T.O.R.I.
12'-8" T.O.R.I.
14'-0" ABOVE 418.0' T.O. PARAPET, TYP.
6 T510 TYP. ROOF DRAIN / OVERFLOW
1/8"/FT. MIN. TYP. @ CRICKETS
12'-4" T.O.R.I.
12'-4" T.O.R.I.
BUILT-UP ROOFING TYPICAL
13'-2" T.O.R.I.
12'-8" T.O.R.I.
12'-8" T.O.R.I.
13'-2" T.O.R.I.
6 A1502
SLOPE 1/4"/FT. MIN. TYPICAL
5 A1502
12'-4" T.O.R.I.
13'-2" T.O.R.I.
13'-2" T.O.R.I.
2 A1502 4 A1502
12'-4" T.O.R.I.
N

NOTE: ALL TOP OF RIGID INSULATION (R.I.) ELEVATIONS ARE REFERENCED ABOVE FINISH FLOOR ELEVATION 418.0'

ROOF PLAN

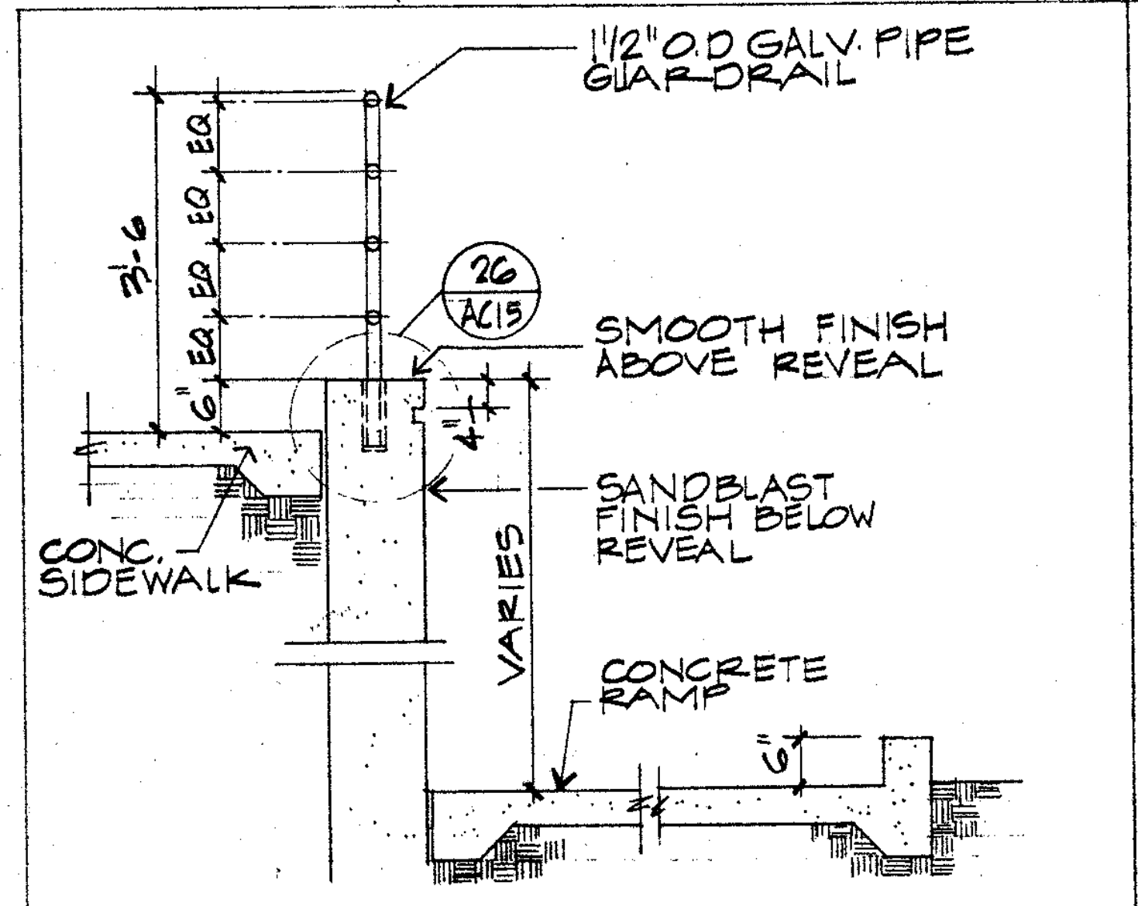
1/8" = 1'-0"


AM 32 AL 33 AK 34 35 36 37 38 39 40 41 42 43 AK 44 AL AM AN AO AP AQ AR AS
AN AO AP AQ AR AS AT AU 32 AV 33 AW 34 AX 35
A A1502
14'-3" 6'-3" 6'-3" 14'-3"
SIDEWALK
PLANTING
7 A1502 RAISED CONC. WALL
1 A1502 ALL OTHER WALLS @ PERIMETER ARE SIMILAR
60'-0" 10'-0" 5'-0" 5'-0" 5'-0" 5'-0" 5'-0" 20'-0"
UP UP UP UP UP UP
HANDICAPPED SEATS
5'-0" 5'-0"
12.5° 12.5° 7.5° 12.5° 12.5° 12.5° 12.5° 7.5°
FLOOR DRAIN, TYP.
418.0' 416.5' 415.0' 413.5' 412.0' 410.5'
UP UP UP UP UP UP
WORKING PT.
45° 5'-0" 10'-0" 5'-0" 6'-1"
2 A1501 TYP.
10'-0"
DS DS
RAMP 1:15
UP FINISH SLAB ELEVATION 409.0' SLOPE TO DRAINS
411.0'
21 AC15 TYP.
20'-0"
7'-0"
RAISED CONC. WALL
7 A1502
PLANTING
1 A1501
RAMP 1:15
A A1502
11" 2'-1" 3'-0" EQ. 1'-6" 3'-0" 1'-6" 1'-6" 3'-0" 1'-6" EQ. 2'-0" 3'-0" 1'-0"
20'-6" 39'-6" 60'-0"
412.7'
8'-0"
RAMP 1:15
ALL DIMENSIONS SYMETRICAL ABOUT CENTERLINE
8'-0"
414.4'
10'-0"
N

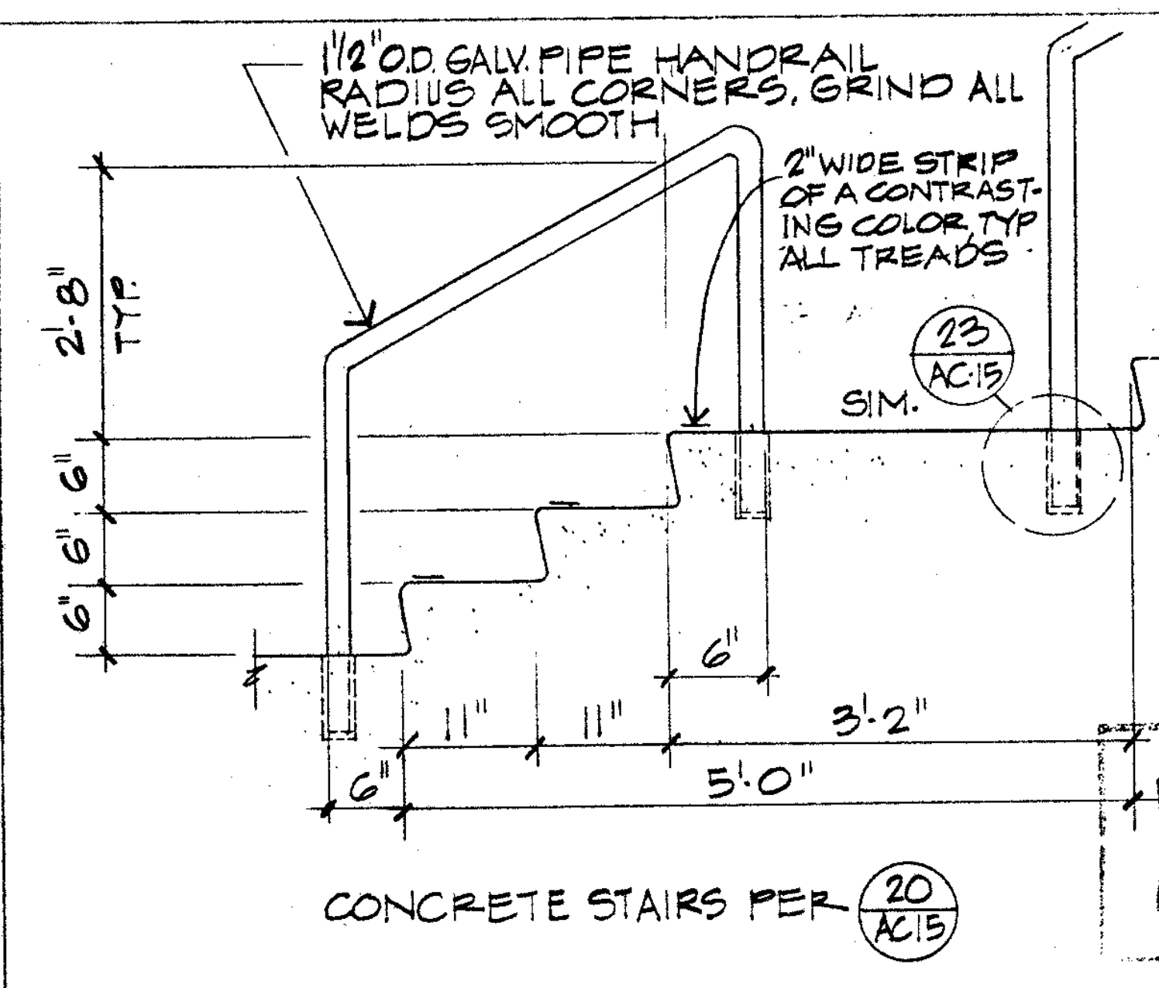
OFFICE OF THE STATE ARCHITECT
49275 MAY 4 '88
NO.

FLOOR PLAN

1/8" = 1'-0"

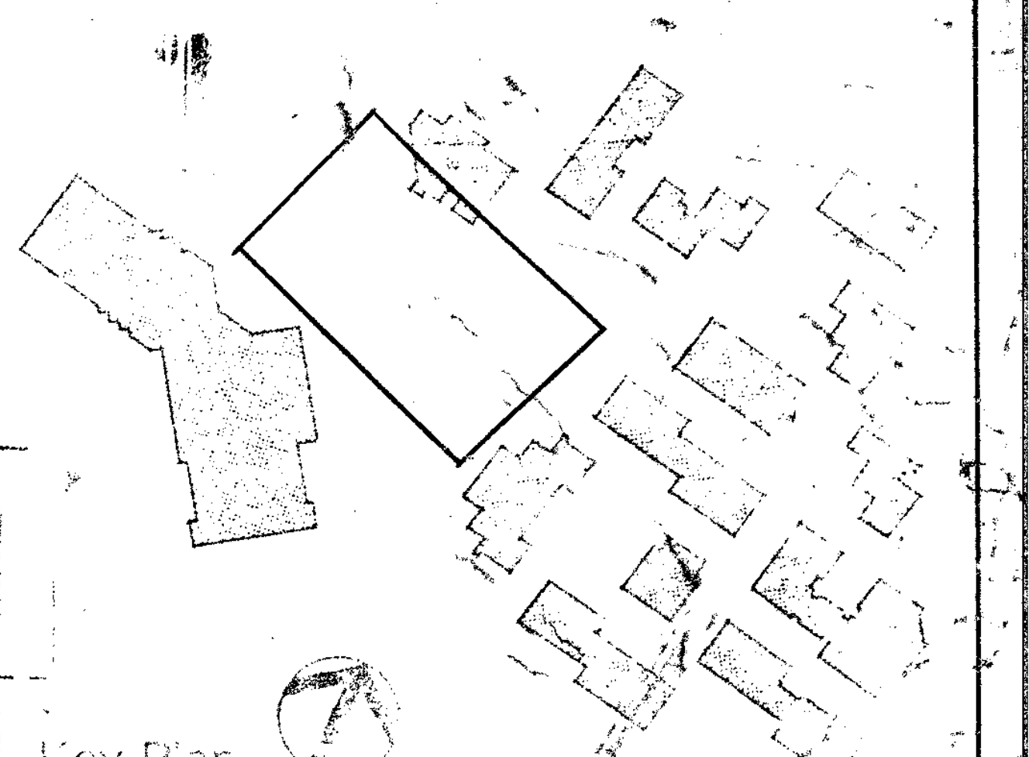

1 1/2" O.D. GALV. PIPE GUARDRAIL
3'-6" EQ. EQ. EQ. EQ.
26 AC15
SMOOTH FINISH ABOVE REVEAL
SANDBLAST FINISH BELOW REVEAL
CONC. SIDEWALK
VARIES
CONCRETE RAMP

WALL @ RAMP 1/2" **1**


1 1/2" O.D. GALV. PIPE HANDRAIL RADIUS ALL CORNERS, GRIND ALL WELDS SMOOTH
2" WIDE STRIP OF A CONTRASTING COLOR, TYP. ALL TREADS
23 AC15
SIM.
2'-8" TYP.
6" 6" 6" 6"
6"
11" 11" 3'-2"
6" 3'-0"
CONCRETE STAIRS PER 20 AC15

STAIR & HANDRAIL 3/4" **2**

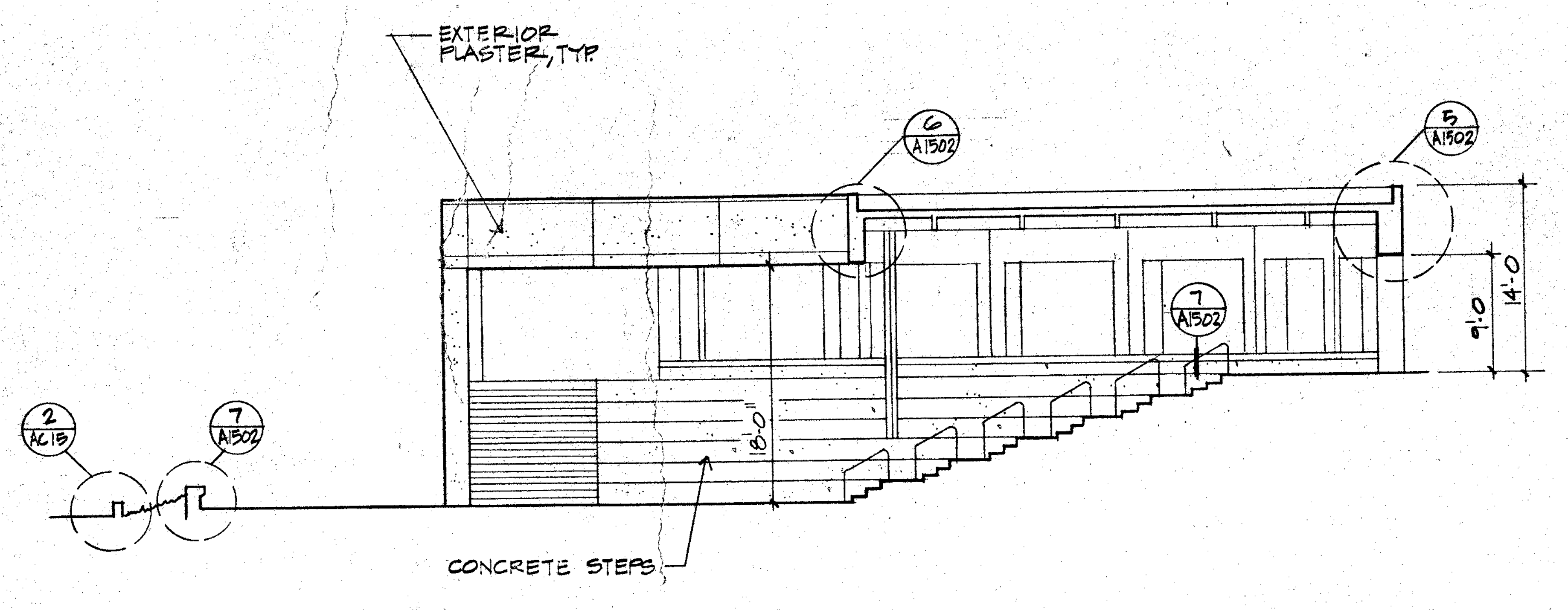
OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
J. P. M. Court
APPROVED APPLICATION NO.
PRINCIPAL STRUCTURAL ENGINEER



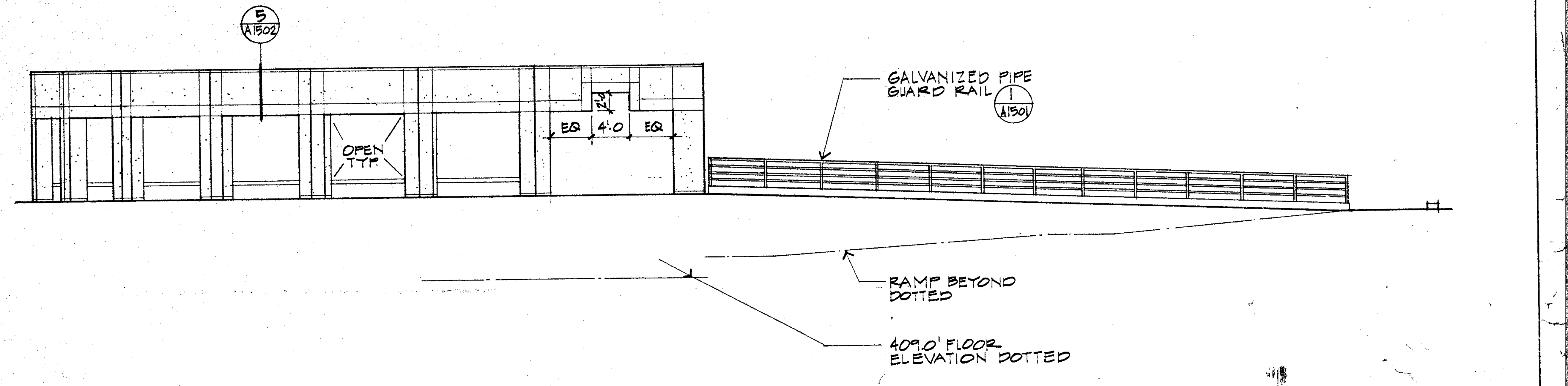
Key Plan

Drawn By Checked By Date MAR 1988 Commission No. 13002	Revisions A 6/29/88 PHASING	Architects Planners RUHNAU McGAVIN RUHNAU / ASSOCIATES 3775 Tenth Street Riverside, CA 92501-3669 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-1995 619/438-5899	ARCHITECT C-6497	West Hills High School Grossmont Union High School District San Diego, Ca San Diego County	Amphitheater Floor Plan, Reflected Ceiling Plan & Roof Plan DISTRICT ADDITIVE ALTERNATE # D-3

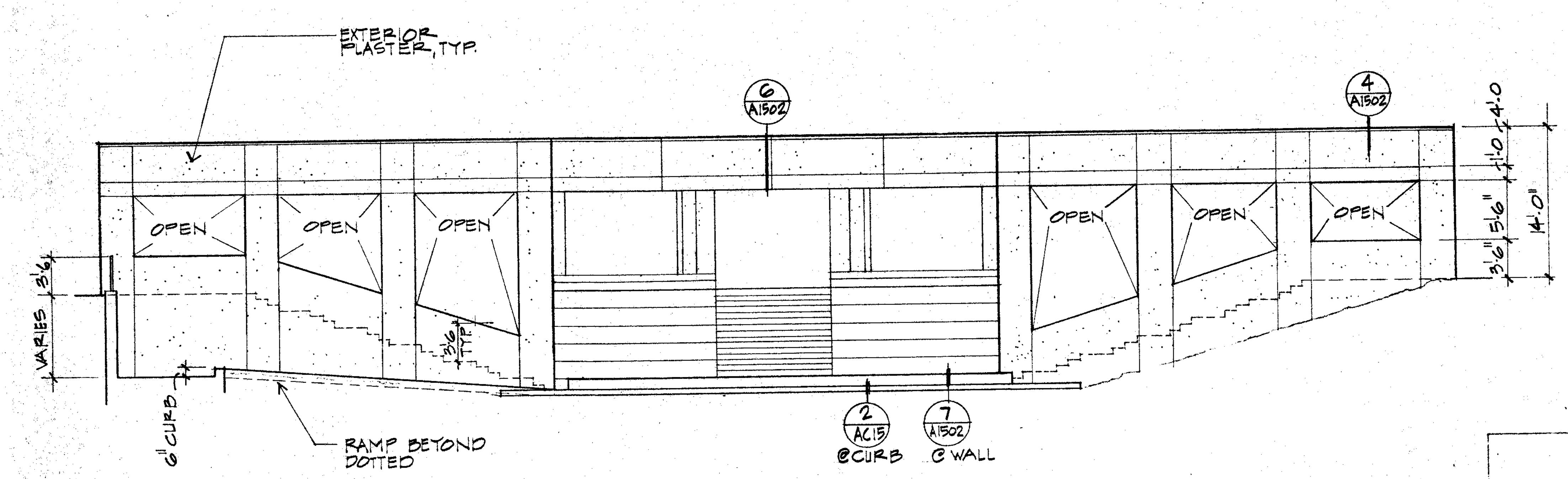
Sheet Number A-1501 Of Sheets


EXTERIOR PLASTER, TYP.
6 A1502
5 A1502
7 A1502
2 AC15
7 A1502
9'-0"
14'-0"
18'-0"
CONCRETE STEPS

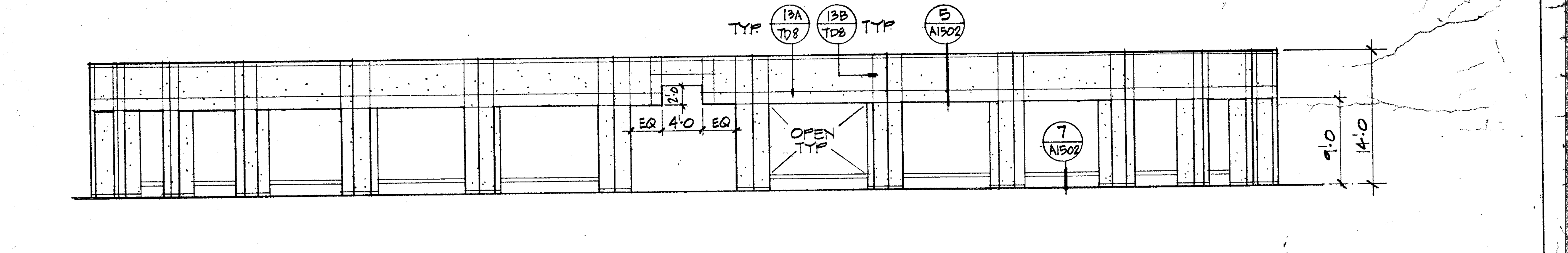
A/A1502 SECTION ~ ELEVATION 1/8


5 A1502
2'-0"
EQ 4'-0 EQ
OPEN TYP.
GALVANIZED PIPE GUARD RAIL 1 A1501
RAMP BEYOND DOTTED
409.0' FLOOR ELEVATION DOTTED

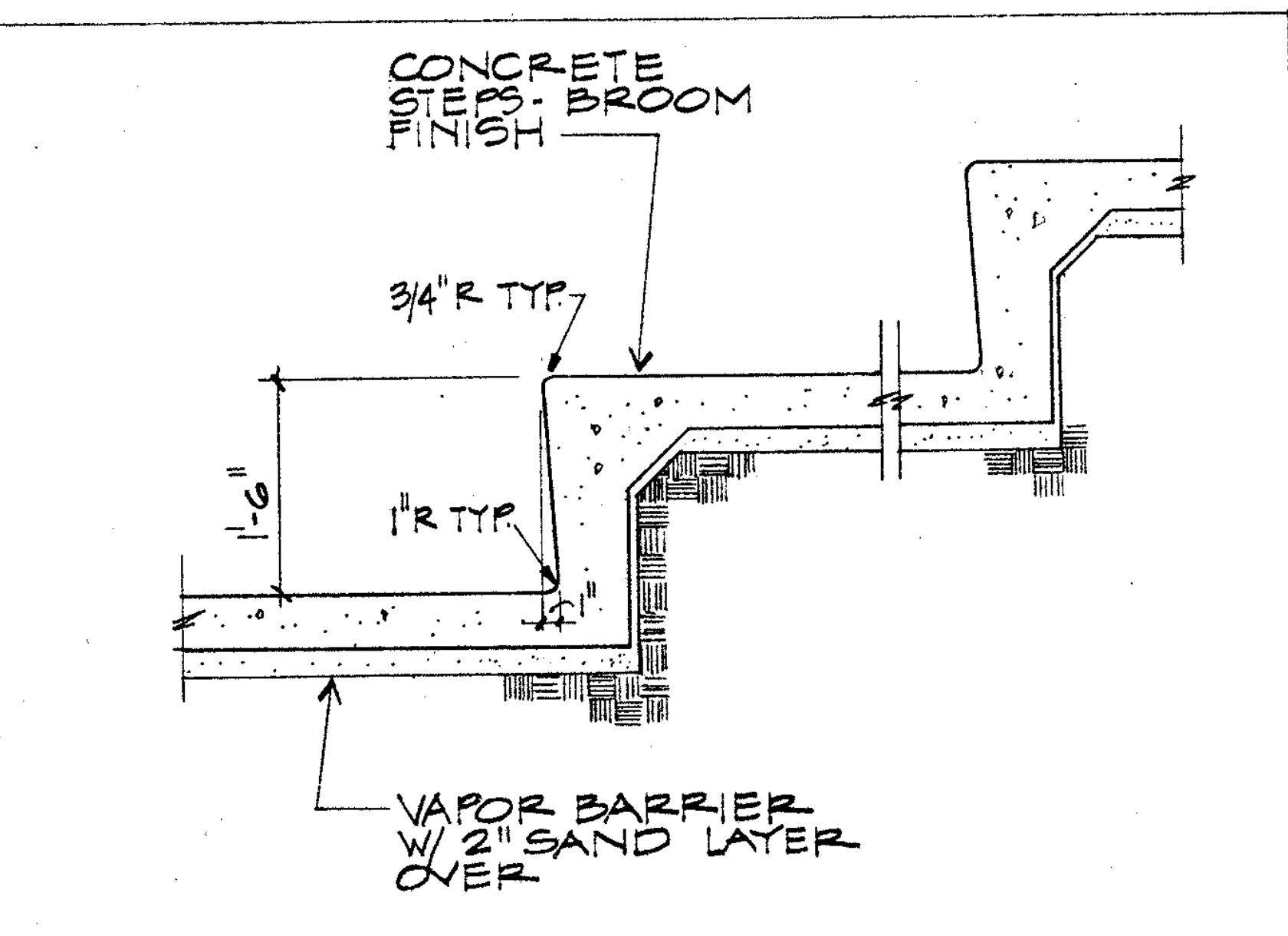
B/A1502 WEST ELEVATION 1/8" = 1'-0"


EXTERIOR PLASTER, TYP.
6 A1502
4 A1502
OPEN
OPEN
OPEN
OPEN
OPEN
OPEN
3'-6"
VARIES
3'-6" TYP.
4'-0
1'-0
5'-6
3'-6
14'-0"
6" CURB
RAMP BEYOND DOTTED
2 AC15 @CURB
7 A1502 @ WALL

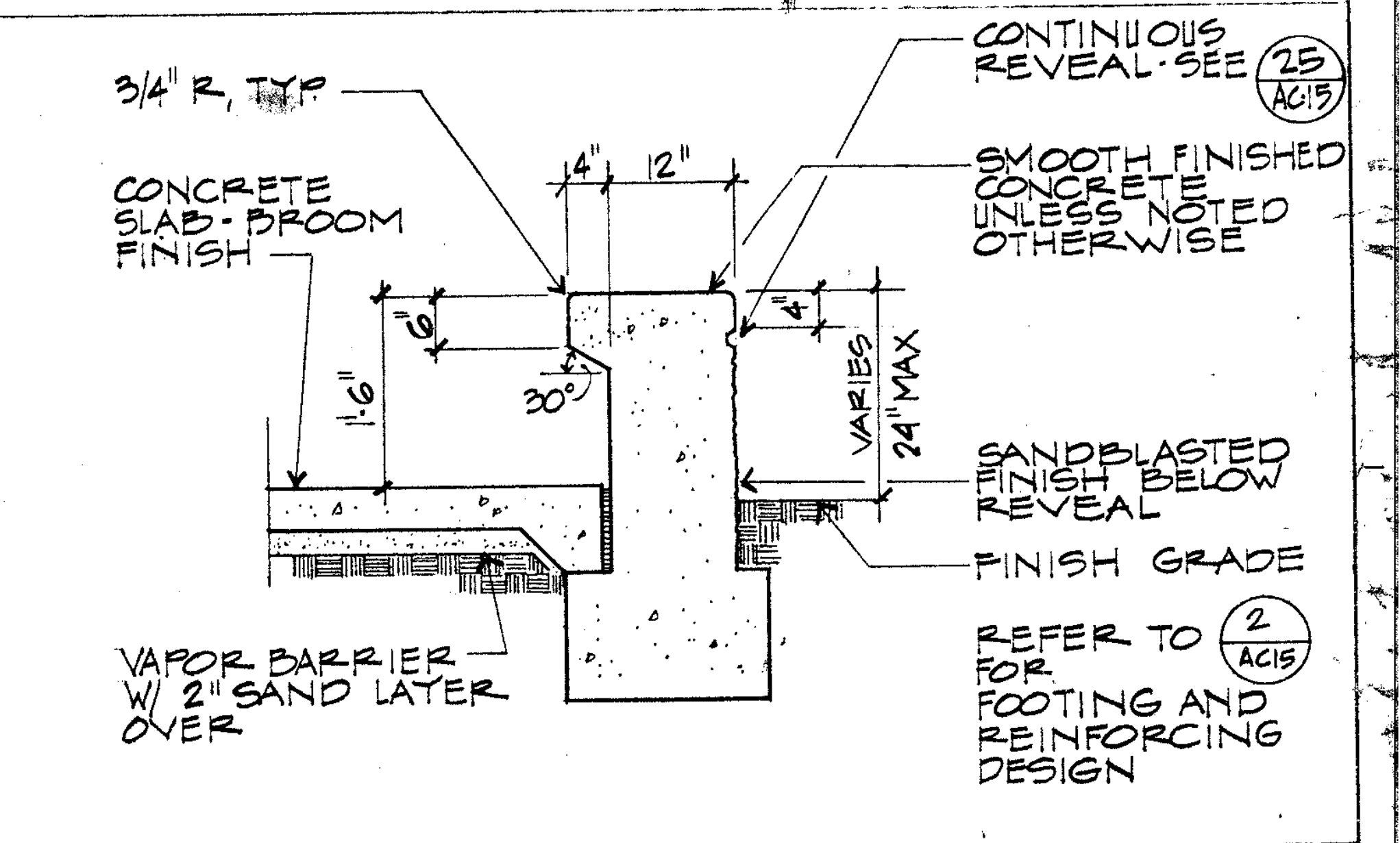
C/A1502 SOUTH ELEVATION 1/8" = 1'-0"


TYP. 13A TD8
13B TD8 TYP.
5 A1502
2'-0
EQ 4'-0 EQ
OPEN TYP.
7 A1502
9'-0
14'-0

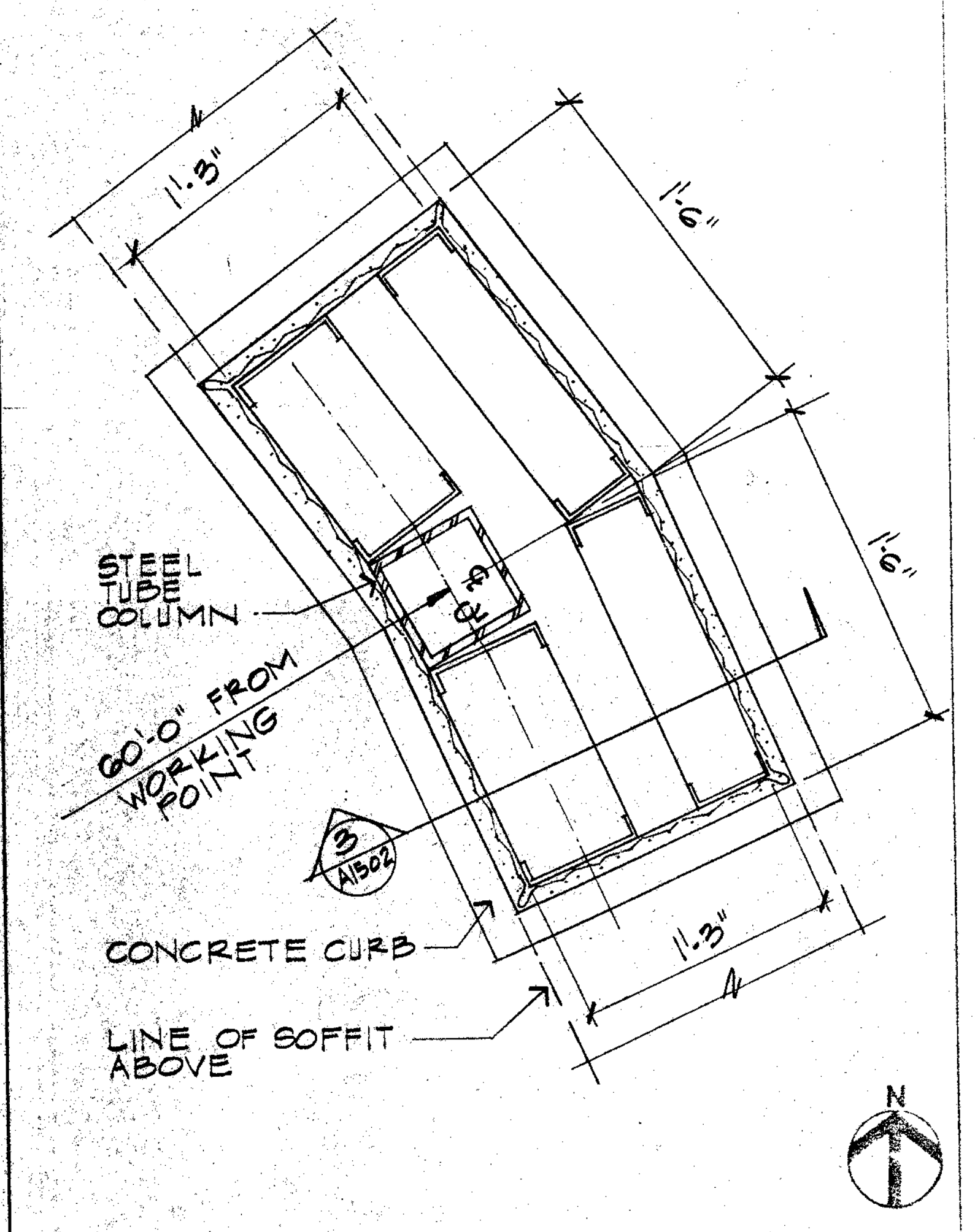
C/A1502 NORTH ELEVATION 1/8" = 1'-0"


CONCRETE STEPS - BROOM FINISH
3/4" R TYP.
1'-6"
1" R TYP.
VAPOR BARRIER W/ 2" SAND LAYER OVER

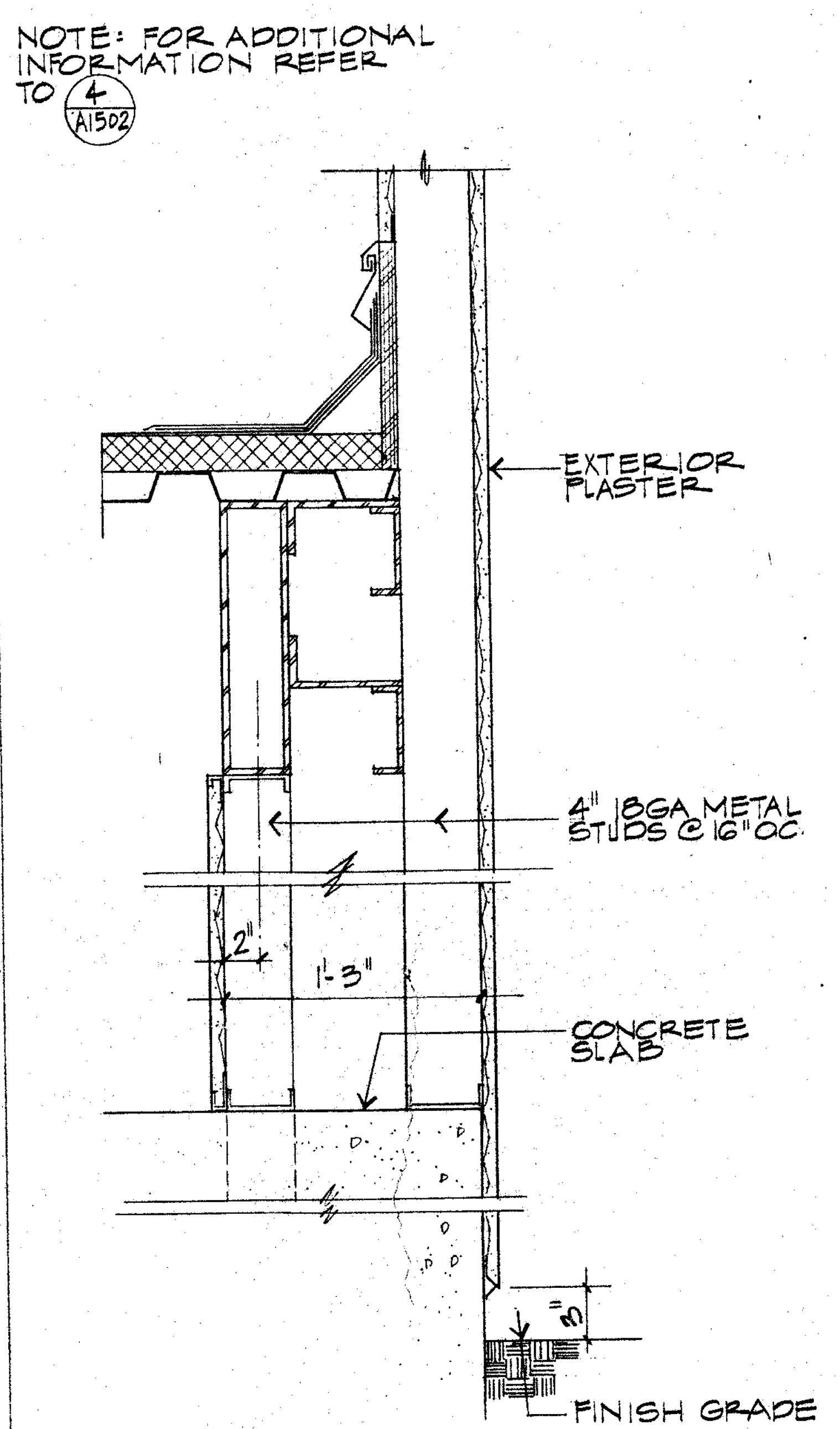
CONCRETE STEPS 3/4" 8


3/4" R. TYP.
CONTINUOUS REVEAL - SEE 25 AC15
4" 12"
SMOOTH FINISHED CONCRETE UNLESS NOTED OTHERWISE
CONCRETE SLAB - BROOM FINISH
6"
1'-6"
30°
VARIES 24" MAX
SANDBLASTED FINISH BELOW REVEAL
FINISH GRADE
VAPOR BARRIER W/ 2" SAND LAYER OVER
REFER TO 2 AC15 FOR FOOTING AND REINFORCING DESIGN

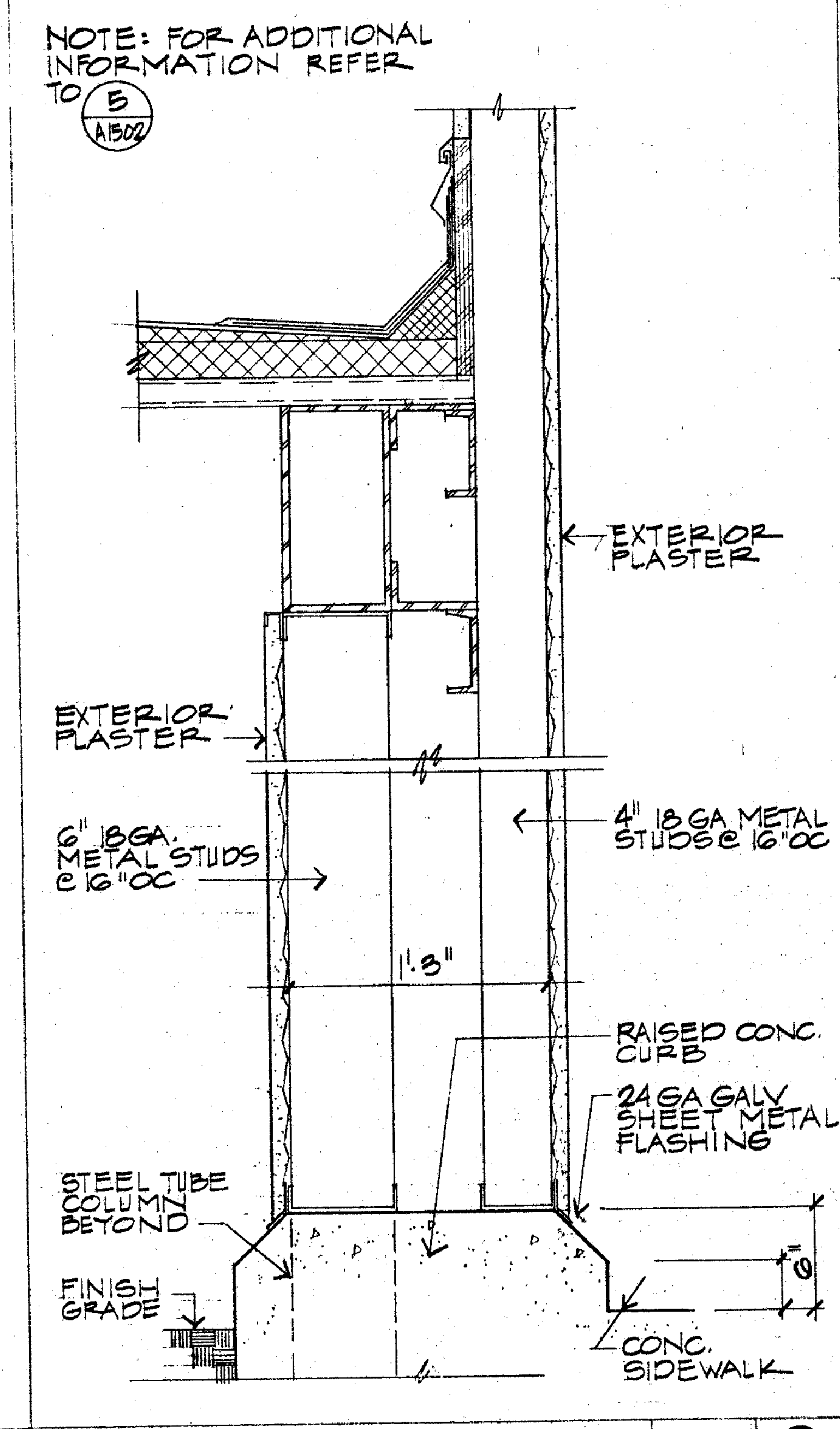
RAISED WALL 3/4" 7


11'-3"
1'-6"
1'-6"
STEEL TUBE COLUMN
60'-0" FROM WORKING POINT
3 A1502
CONCRETE CURB
LINE OF SOFFIT ABOVE
11'-3"
N

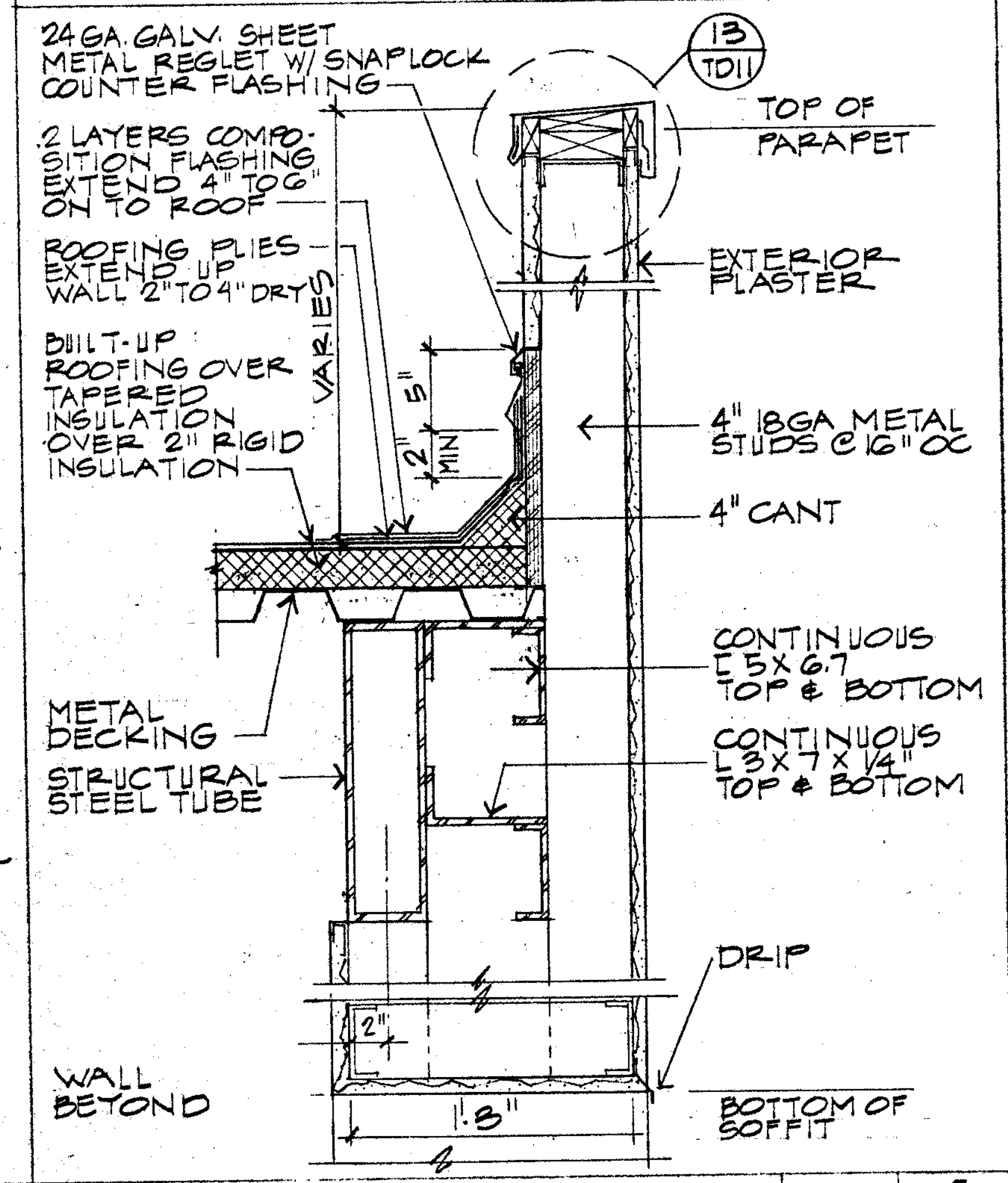
PLAN @ WALL 1½" 1


NOTE: FOR ADDITIONAL INFORMATION REFER TO 4 A1502
EXTERIOR PLASTER
4" 18GA METAL STUDS @ 16" OC.
2"
1'-3"
CONCRETE SLAB
6"
FINISH GRADE

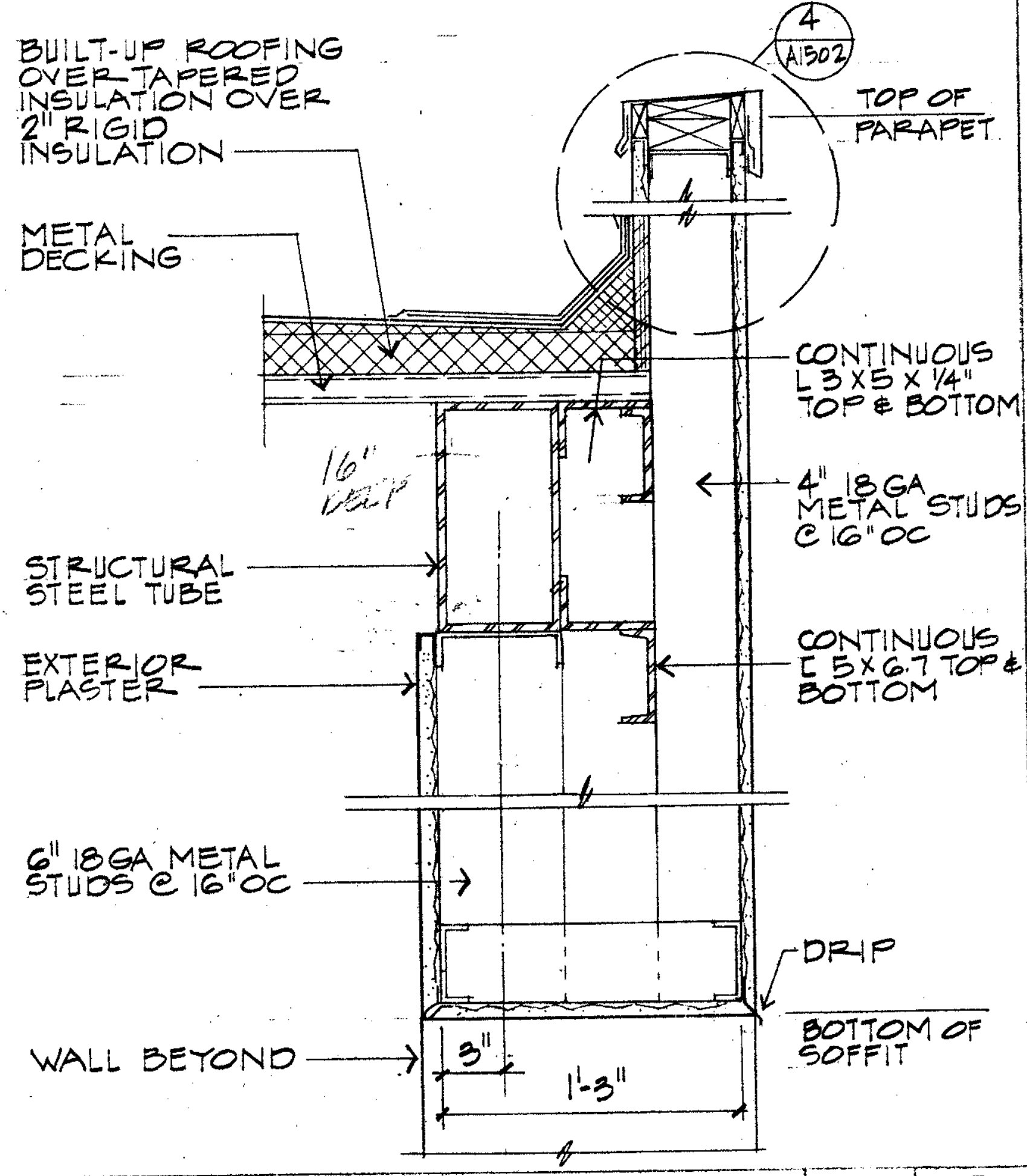
WALL DETAIL 1½" 2


NOTE: FOR ADDITIONAL INFORMATION REFER TO 5 A1502
EXTERIOR PLASTER
EXTERIOR PLASTER
6" 18GA. METAL STUDS @ 16" OC
4" 18GA METAL STUDS @ 16" OC
1'-3"
RAISED CONC. CURB
24GA GALV. SHEET METAL FLASHING
STEEL TUBE COLUMN BEYOND
FINISH GRADE
6"
CONC. SIDEWALK

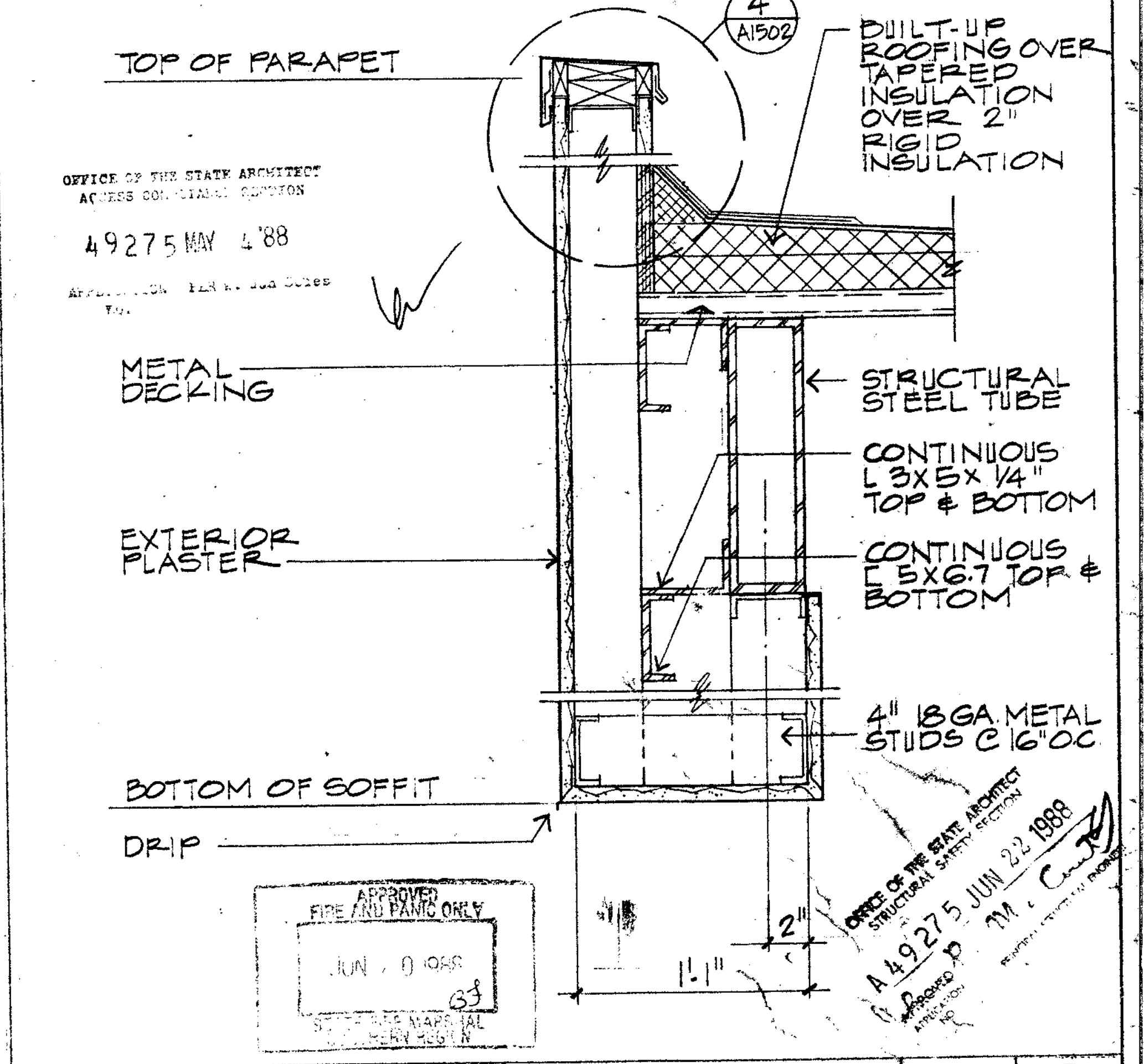
WALL DETAIL 1½" 3


24 GA. GALV. SHEET METAL REGLET W/ SNAPLOCK COUNTER FLASHING
13 TD11
TOP OF PARAPET
2 LAYERS COMPOSITION FLASHING EXTEND 4" TO 6" ON TO ROOF
ROOFING PLIES EXTEND UP WALL 2" TO 4" DRY
EXTERIOR PLASTER
BUILT-UP ROOFING OVER TAPERED INSULATION OVER 2" RIGID INSULATION
VARIES
5"
2" MIN
4" 18GA METAL STUDS @ 16" OC
4" CANT
CONTINUOUS [5X6.7 TOP & BOTTOM
METAL DECKING
STRUCTURAL STEEL TUBE
CONTINUOUS L 3X7X 1/4" TOP & BOTTOM
DRIP
2"
WALL BEYOND
1'-8"
BOTTOM OF SOFFIT

PARAPET / SOFFIT 1½" 4


BUILT-UP ROOFING OVER TAPERED INSULATION OVER 2" RIGID INSULATION
4 A1502
TOP OF PARAPET
METAL DECKING
1'-6" VERT
CONTINUOUS L 3X5X 1/4" TOP & BOTTOM
4" 18GA METAL STUDS @ 16" OC
STRUCTURAL STEEL TUBE
EXTERIOR PLASTER
CONTINUOUS [5X6.7 TOP & BOTTOM
6" 18GA METAL STUDS @ 16" OC
DRIP
WALL BEYOND
3"
1'-3"
BOTTOM OF SOFFIT

PARAPET / SOFFIT 1½" 5


TOP OF PARAPET
4 A1502
BUILT-UP ROOFING OVER TAPERED INSULATION OVER 2" RIGID INSULATION
METAL DECKING
STRUCTURAL STEEL TUBE
CONTINUOUS L 3X5X 1/4" TOP & BOTTOM
EXTERIOR PLASTER
CONTINUOUS [5X6.7 TOP & BOTTOM
4" 18GA. METAL STUDS @ 16" O.C.
BOTTOM OF SOFFIT
DRIP
2"
1'-1"

FASCIA DETAIL 1½" 6

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88

APPROVED
FIRE AND PANIC ONLY
JUN 10 1988
STATE FIRE MARSHAL
SOUTHERN REGION

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPROVED
APPLICATION NO.

Drawn By	
Checked By	
Date	MAR 1988
Commission No.	13002
Revisions	△ 6/29/88 PHASING

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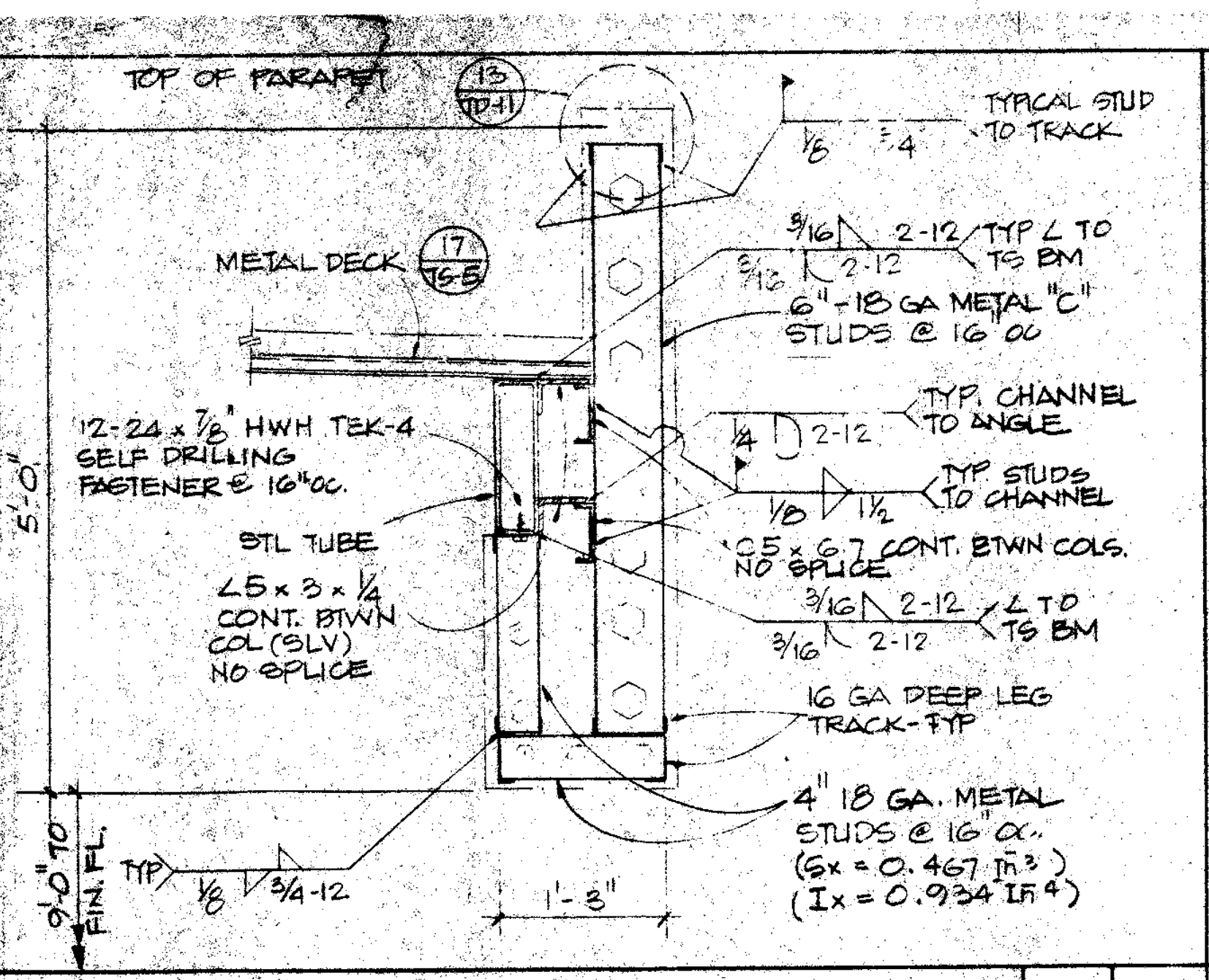
ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

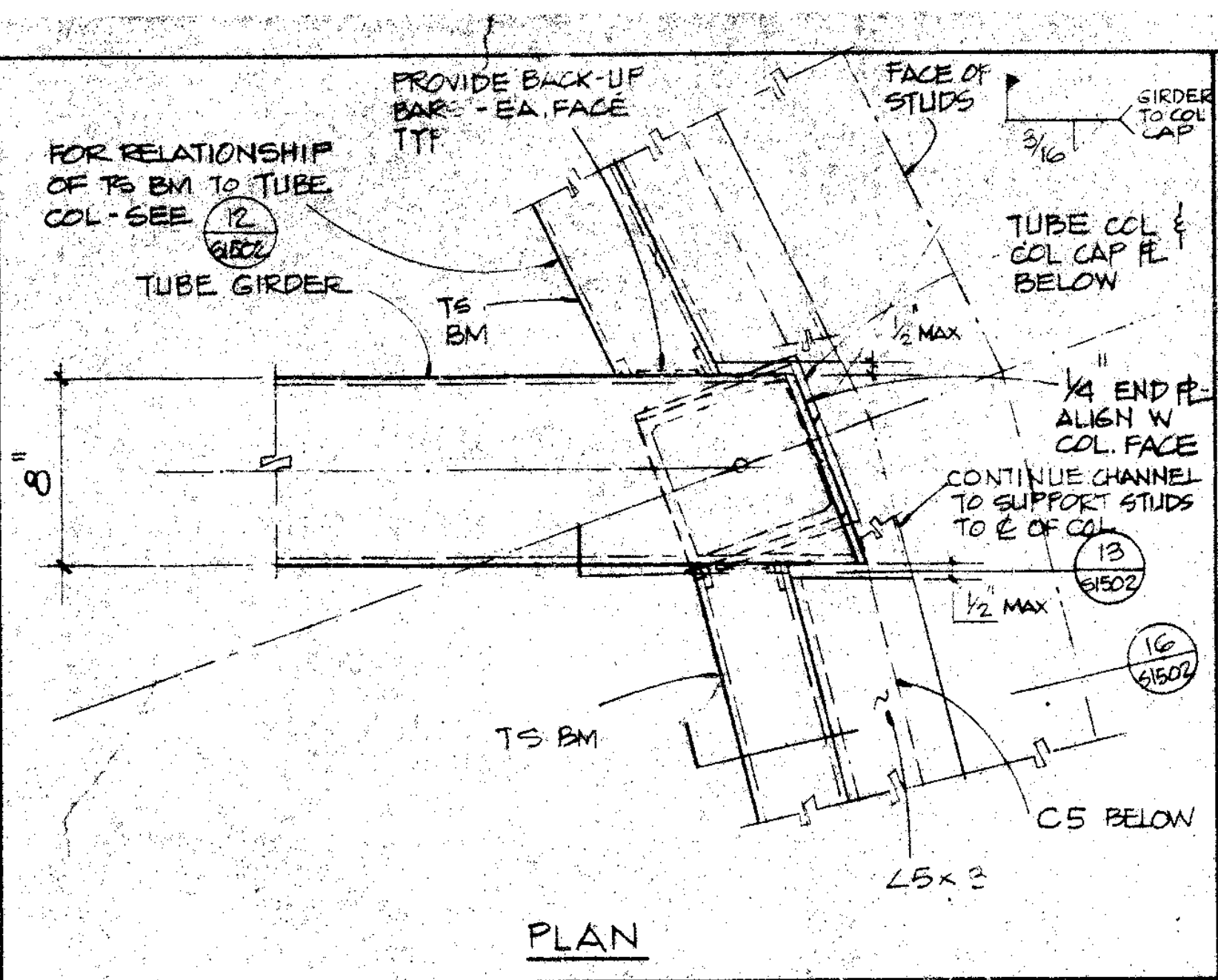
Amphitheater
Exterior Elevations,
Section & Details

Sheet Number
A-1502
Of Sheets

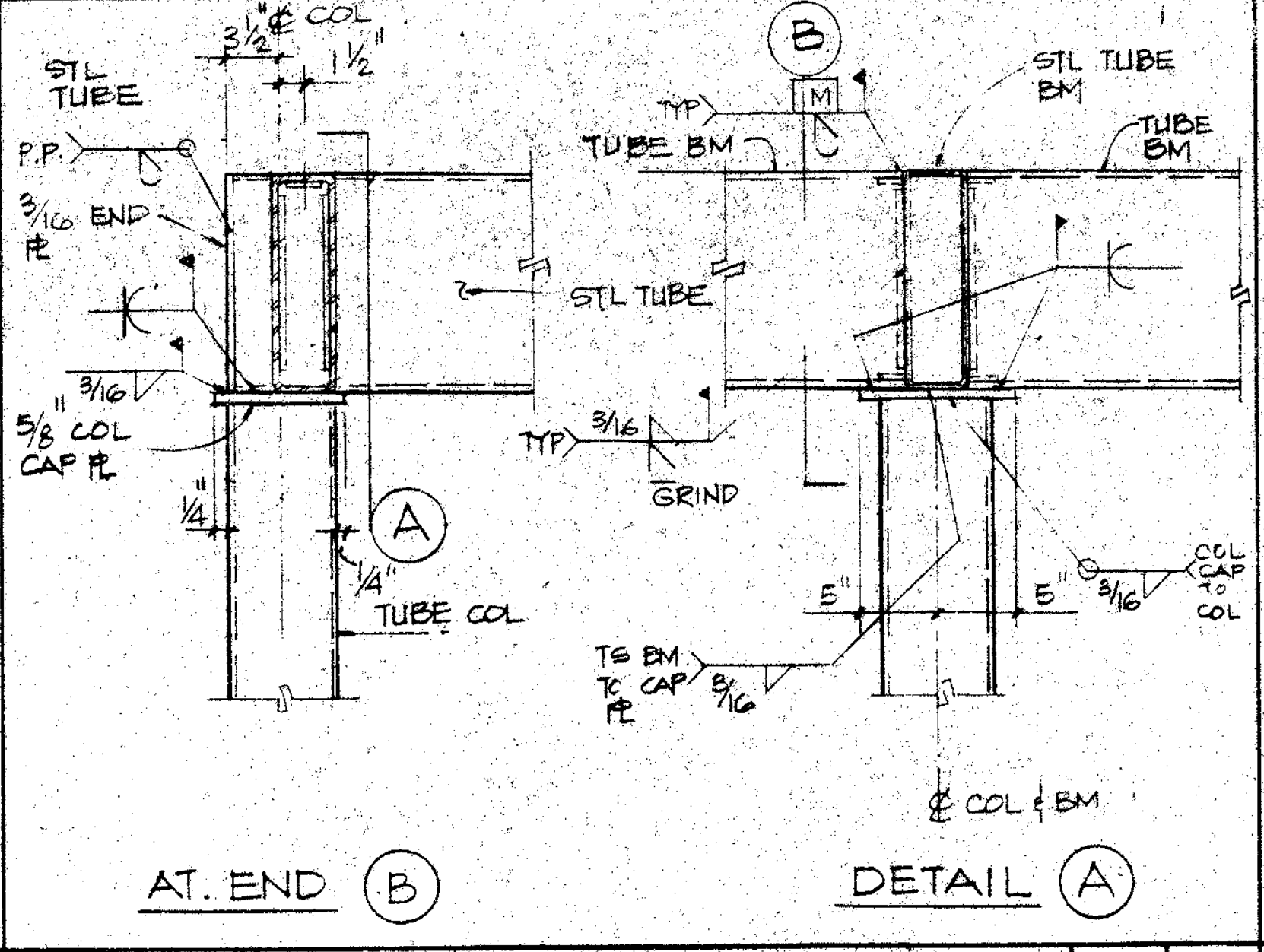
DISTRICT ADDITIVE ALTERNATE # D-3


TOP OF PARAPET
TYPICAL STUD TO TRACK
METAL DECK
2-12 TYP ∠ TO TS BM
6" 16 GA METAL "C" STUDS @ 16" OC.
12-24 x 7/8" HWH TEK-4 SELF DRILLING FASTENER @ 16" OC.
TYP. CHANNEL TO ANGLE
TYP. STUDS TO CHANNEL
CS 2 1/2 CONT. BTWN COLS. NO SPLICE
2-12 ∠ TO TS BM
STL TUBE
∠5 x 5 x 1/2 CONT. BTWN COL (SLV) NO SPLICE
16 GA DEEP LEG TRACK-TYP
4" 18 GA. METAL STUDS @ 16" OC. (Sx = 0.467 in³) (Ix = 0.934 in⁴)
9'-0" TO FIN. FL.
1'-8"

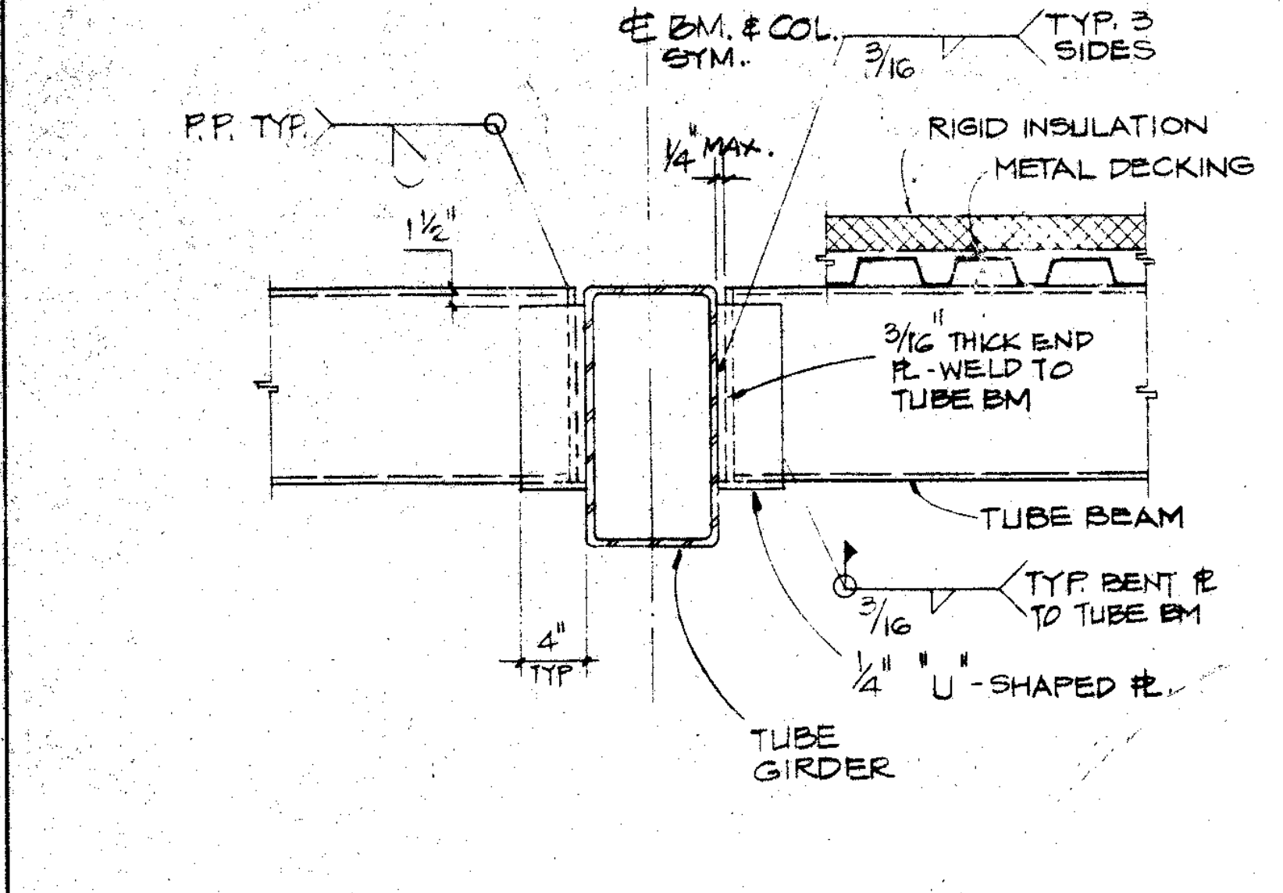
SECTION 3/4" 16


FOR RELATIONSHIP OF TS BM TO TUBE COL - SEE 12/S502
PROVIDE BACK-UP BARS - EA. FACE TYP.
FACE OF STUDS
GIRDER TO COL CAP
TUBE GIRDER
TS BM
TUBE COL & COL CAP PL BELOW
1/4" END PL ALIGN W COL FACE
CONTINUE CHANNEL TO SUPPORT STUDS TO ⊄ OF COL.
TS BM
C5 BELOW
∠5 x 3
PLAN

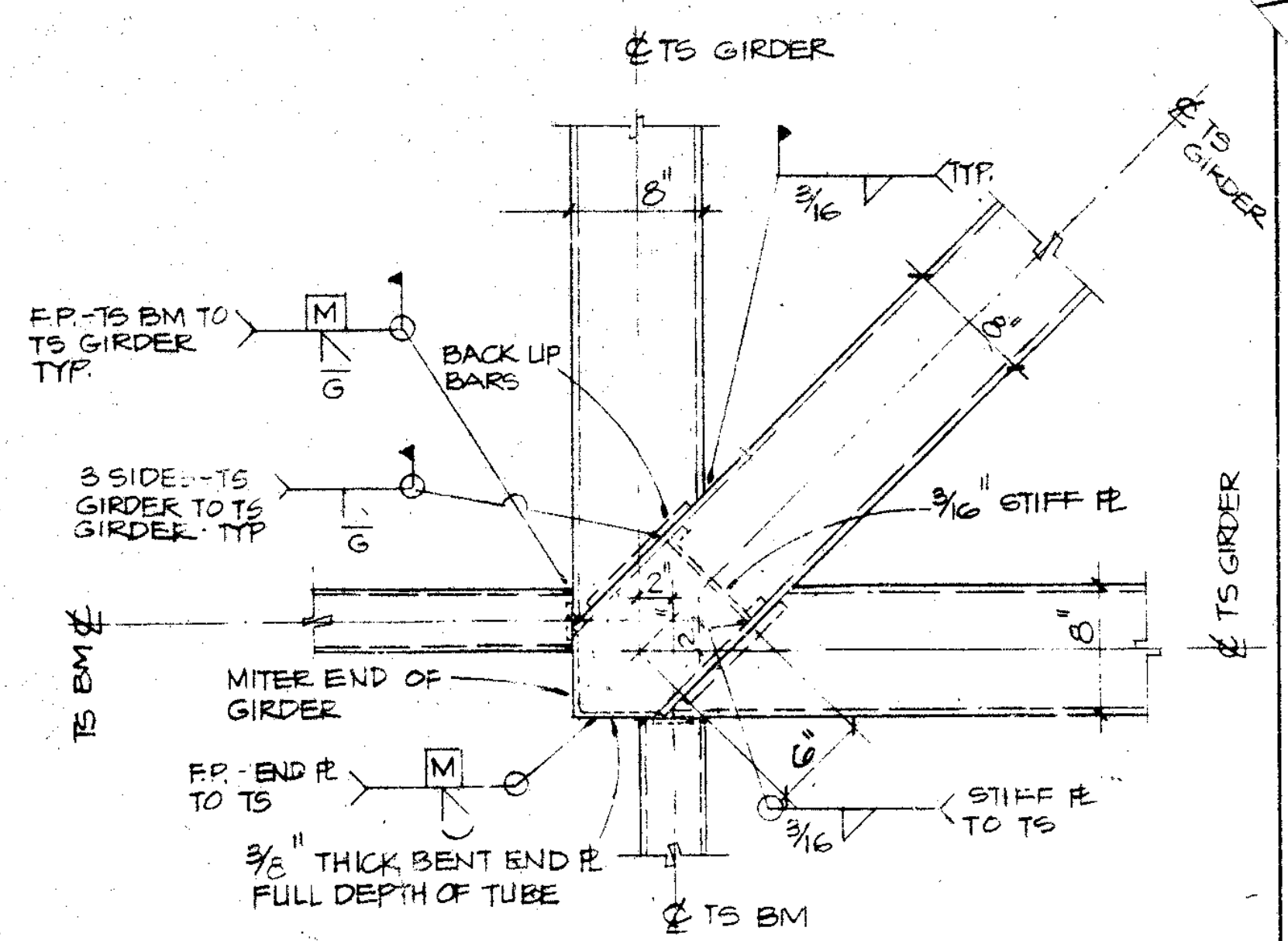
DETAIL 1 1/2" 14


STL TUBE
P.P.
⊄ COL
5/8" COL CAP PL
TUBE COL
AT END (B)
STL TUBE BM
TUBE BM
STL TUBE
GRIND
TS BM TO CAP PL
CSL CAP COL
⊄ COL ⊄ BM
DETAIL (A)

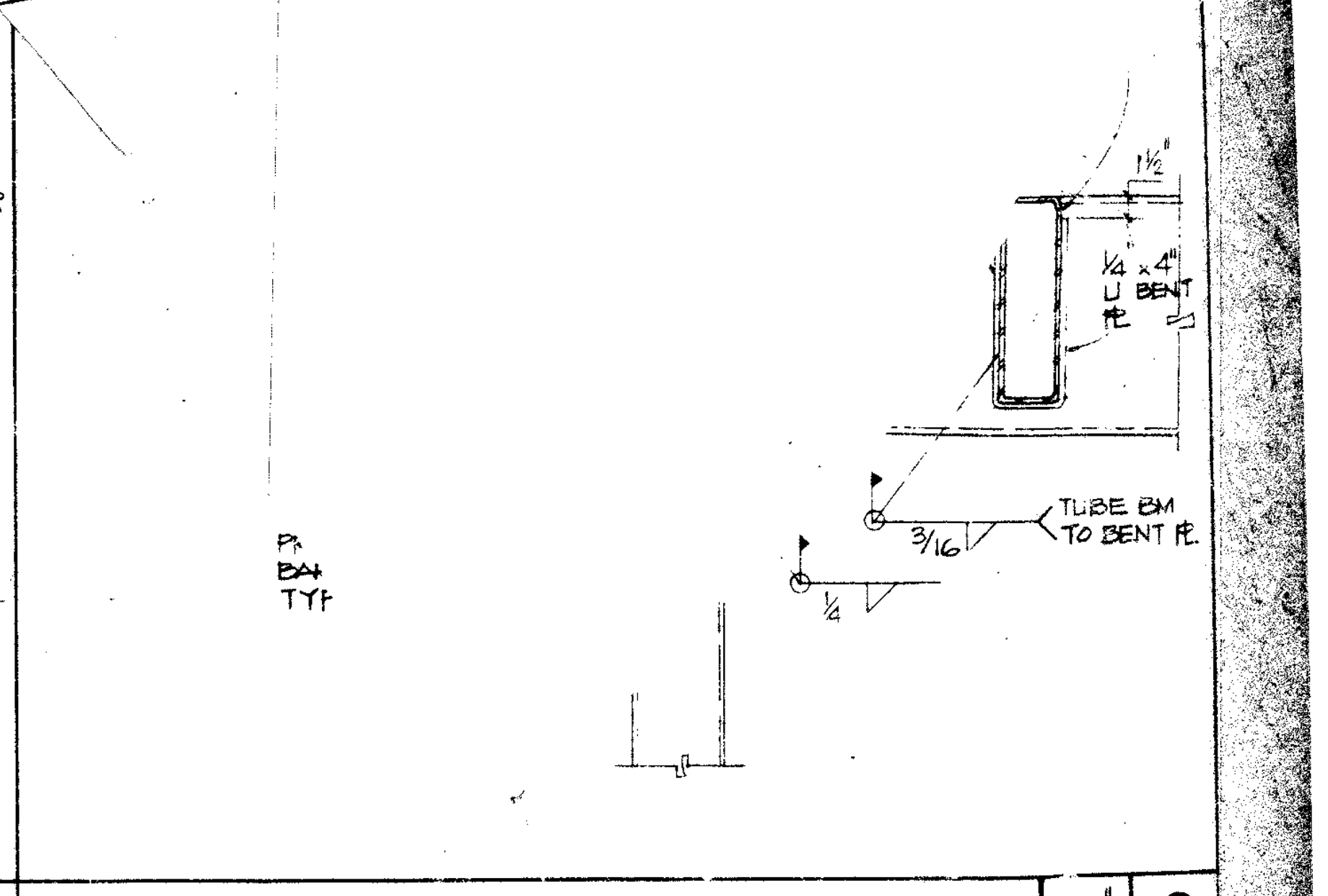
TYP TUBE TO COL CONN. 1" 9


⊄ BM, ⊄ COL SYM.
TYP. 3 SIDES
P.P. TYP.
RIGID INSULATION
METAL DECKING
3/8" THICK END PL - WELD TO TUBE BM
TUBE BEAM
TYP. BENT PL TO TUBE BM
1/4" "U" - SHAPED PL
TUBE GIRDER

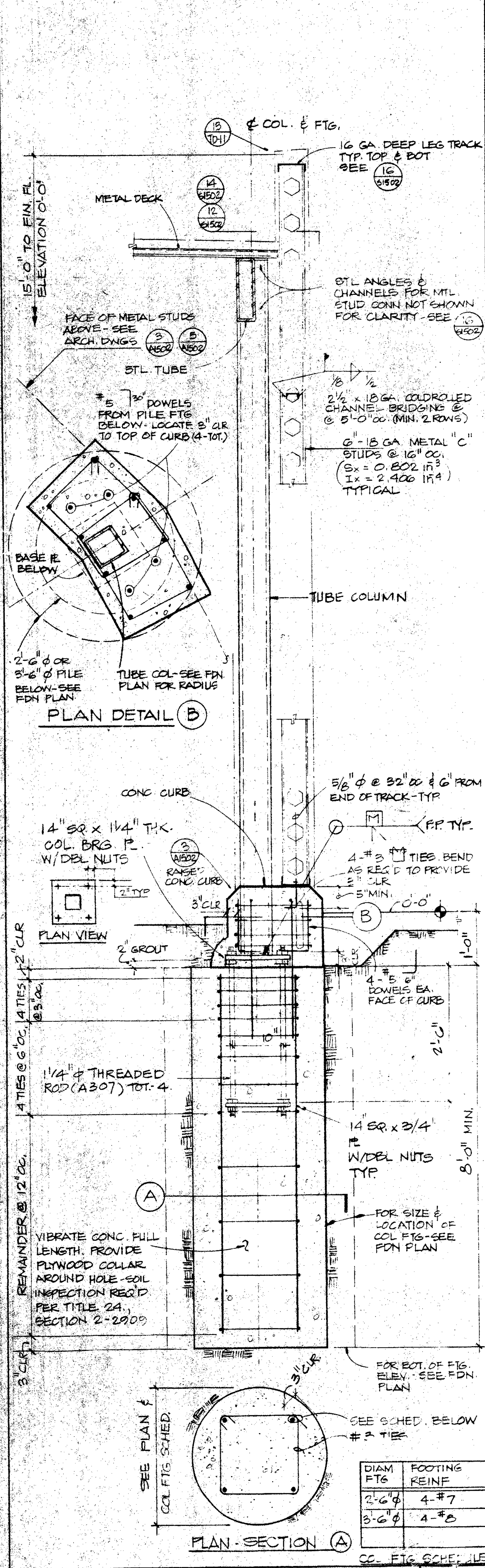
TYP TUBE BM TO GIRDER CONN. 1" 7


⊄ TS GIRDER
F.P.-TS BM TO TS GIRDER TYP.
BACK UP BARS
3 SIDE - TS GIRDER TO TS GIRDER TYP.
STIFF PL
MITER END OF GIRDER
P.P. - END PL TO TS
3/8" THICK BENT END PL FULL DEPTH OF TUBE
STIFF PL TO TS
⊄ TS BM
⊄ TS GIRDER

PLAN DETAIL 5


U BENT PL
TUBE BM TO BENT PL
PL BM TYP.

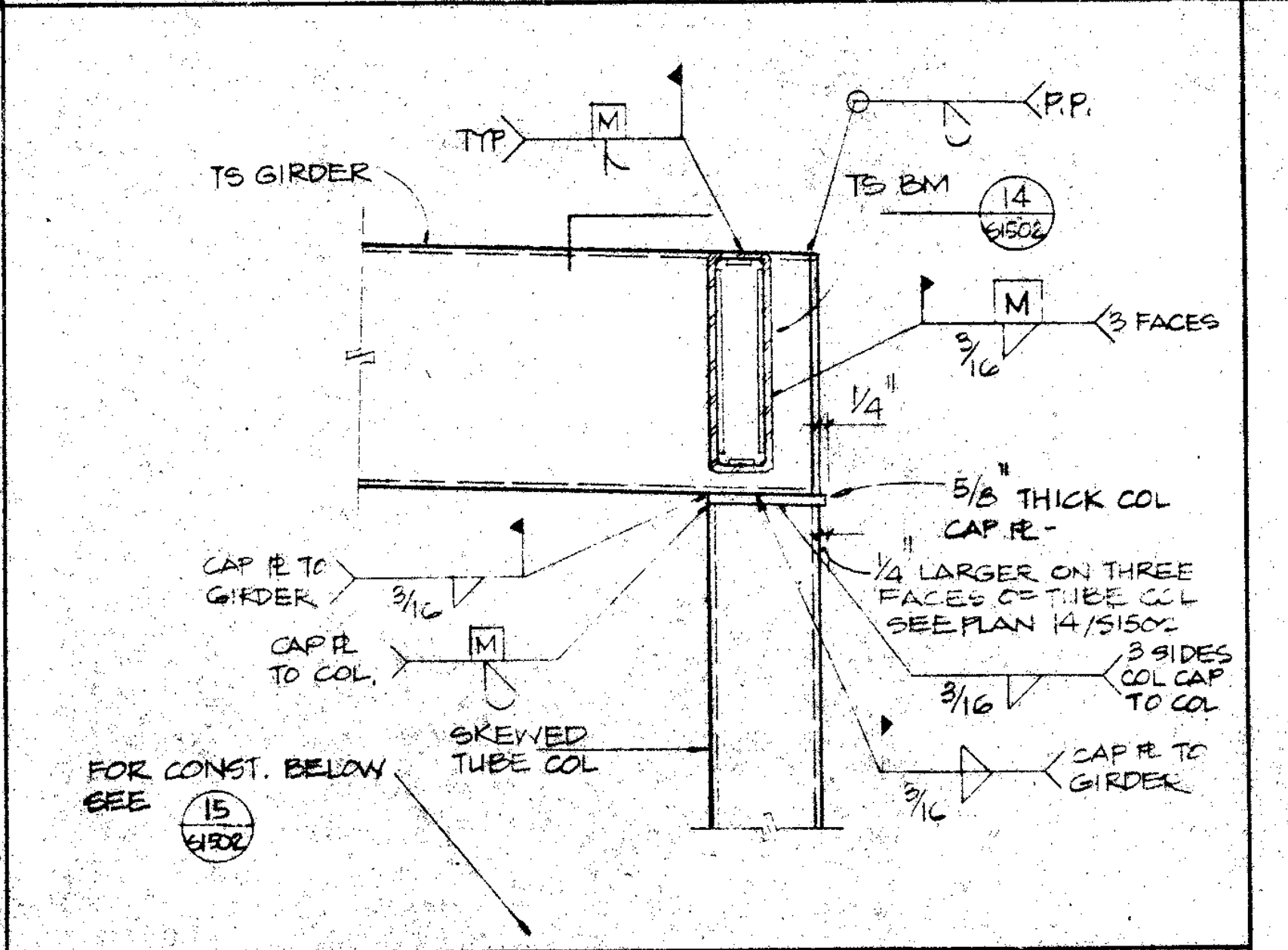
DETAIL 1" 3


⊄ COL. & FTG.
16 GA DEEP LEG TRACK TYP. TOP & BOT SEE 16/S502
METAL DECK
15'-0" TO FIN. FL. ELEVATION 0.0'
FACE OF METAL STUDS ABOVE - SEE ARCH. DWGS
STL ANGLES & CHANNELS FOR MTL. STUD CONN NOT SHOWN FOR CLARITY - SEE 16/S502
STL TUBE
#5 DOWELS FROM PILE FTG BELOW - LOCATE 3" CLR TO TOP OF CURB (4-TOT.)
2 1/2 x 18 GA. COLDROLLED CHANNEL BRIDGING @ 5'-0" OC. (MIN. 2 ROWS)
6" 18 GA METAL "C" STUDS @ 16" OC (Sx = 0.802 in³) (Ix = 2.409 in⁴) TYPICAL
BASE PL BELOW
TUBE COLUMN
2'-6" Ø OR 3'-6" Ø PILE BELOW - SEE FDN PLAN
TUBE COL - SEE FDN PLAN FOR RADIUS
PLAN DETAIL (B)
CONC. CURB
5/8" Ø @ 32" OC & 6" FROM END OF TRACK-TYP
14" SQ. x 1 1/4" THK. COL. BRG. PL W/DBL NUTS
P.P. TYP.
4-#3 TIES. BEND AS REQ'D TO PROVIDE 3" CLR.
PLAN VIEW
2" GROUT
5" MIN.
4-#5 DOWELS EA. FACE OF CURB
1 1/4" Ø THREADED ROD (A307) TOT. 4.
14 SQ. x 3/4" PL W/DBL NUTS TYP.
REMAINDER @ 12" OC.
4 TIES @ 3" OC.
VIBRATE CONC. FULL LENGTH. PROVIDE PLYWOOD COLLAR AROUND HOLE - SOIL INSPECTION REQ'D PER TITLE 24, SECTION 2-2905
FOR SIZE & LOCATION OF COL FTG - SEE FDN PLAN
8'-0" MIN.
FOR BOT. OF FTG. ELEV. - SEE FDN PLAN
3" CLR
SEE SCHED. BELOW
#3 TIES
SEE PLAN & COL FTG SCHED.
PLAN - SECTION (A)

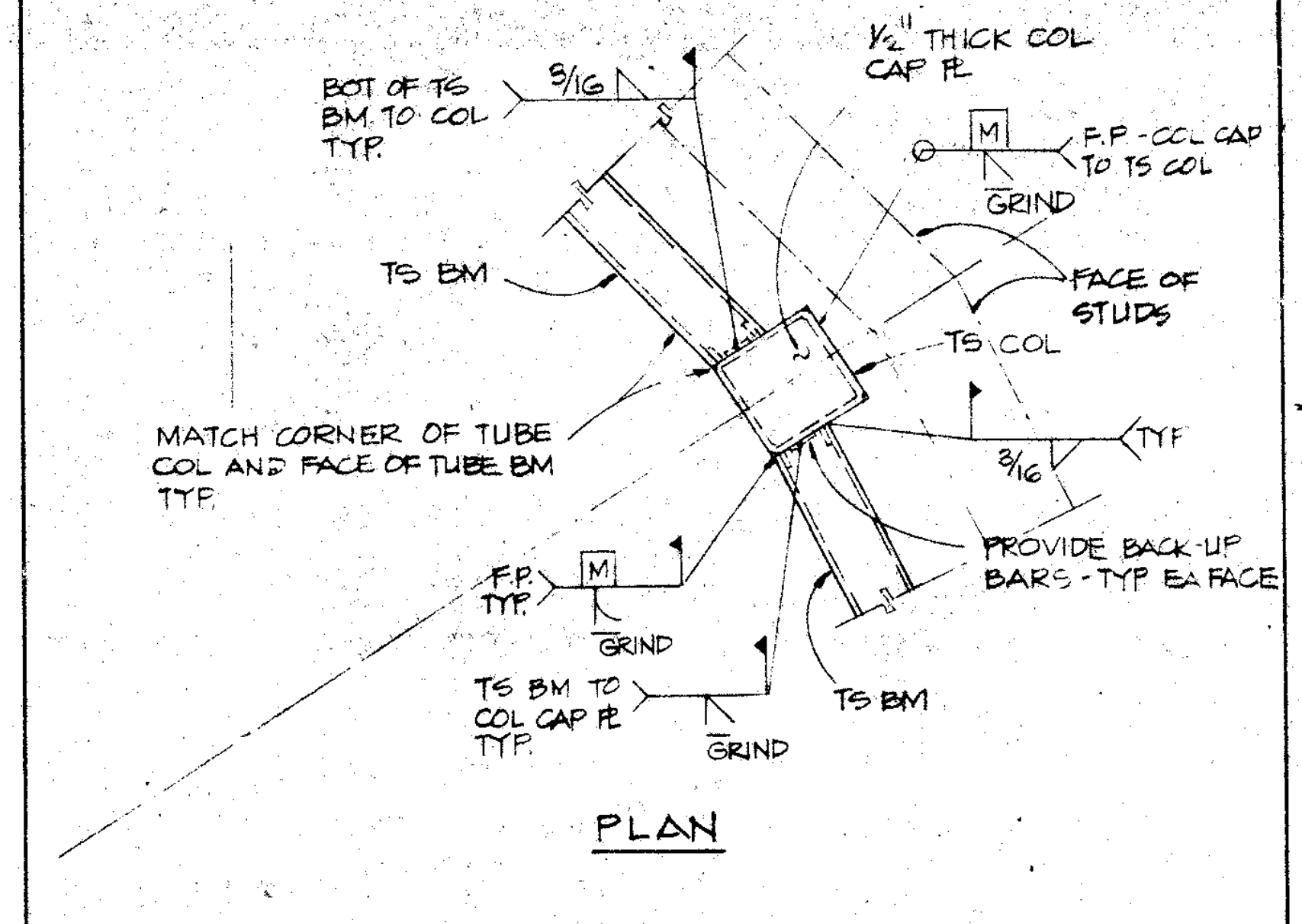
DIAM FTG	FOOTING REINF
2'-6"Ø	4-#7
3'-6"Ø	4-#8

COL FTG SCHEDULE

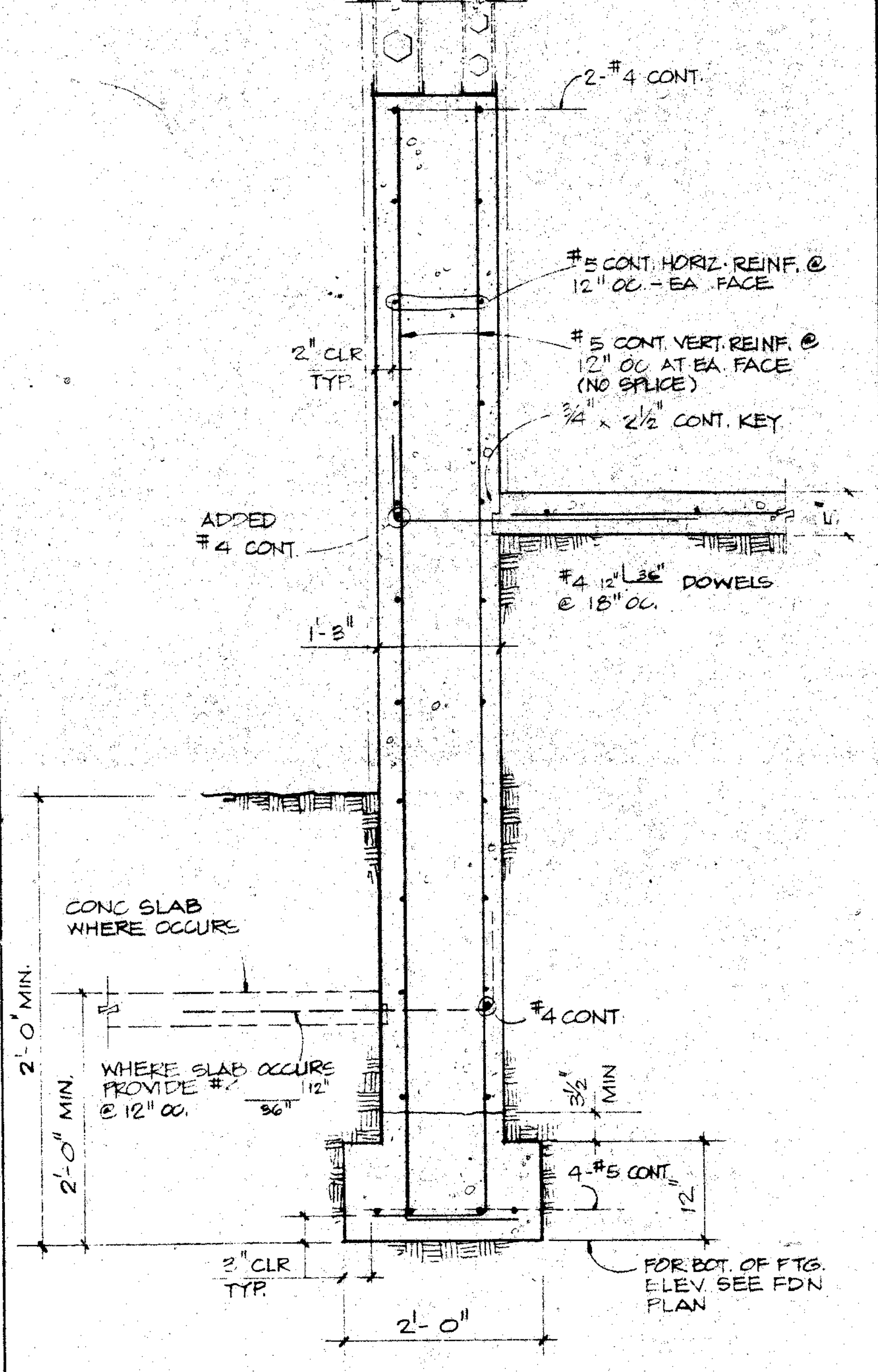
TYPICAL PERIMETER COLUMN DETAIL 3/4" 15


TS GIRDER
TYP.
P.P.
TS BM 14/S502
3 FACES
5/8" THICK COL CAP PL
CAP PL TO GIRDER
CAP PL TO COL
1/8 LARGER ON THREE FACES OF TUBE COL SEE PLAN 14/S502
3 SIDES COL CAP TO COL
CAP PL TO GIRDER
SKEWED TUBE COL
FOR CONST. BELOW SEE 15/S502

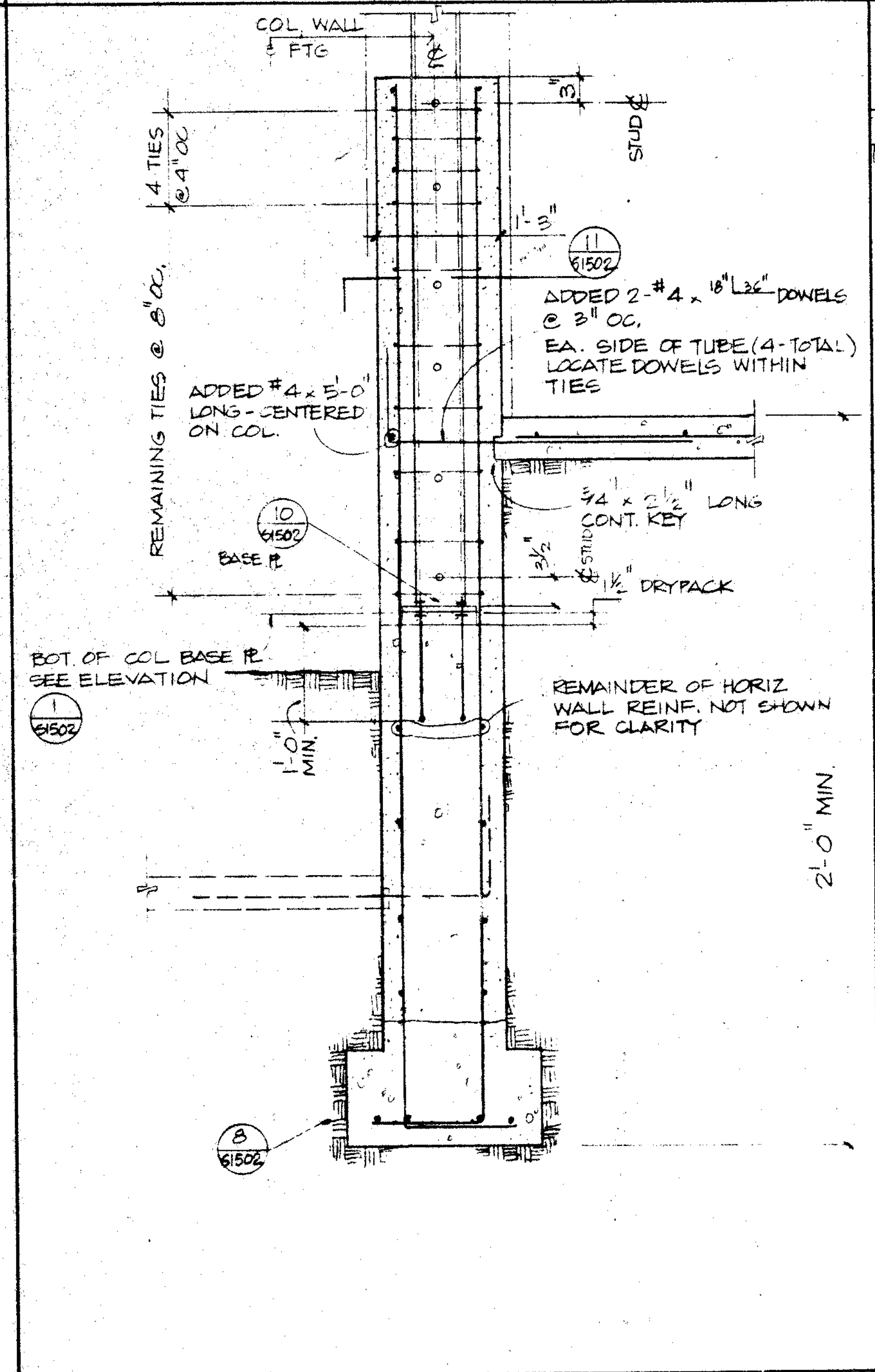
DETAIL 1" 13


BOT OF TS BM TO COL CAP TYP.
1/2" THICK COL CAP PL
F.P. - COL CAP TO TS BM
GRIND
FACE OF STUDS
TS BM
TS COL
MATCH CORNER OF TUBE COL AND FACE OF TUBE BM TYP.
PROVIDE BACK UP BARS - TYP. EA. FACE
F.P. TYP.
TS BM TO COL CAP PL TYP.
GRIND
TS BM
PLAN

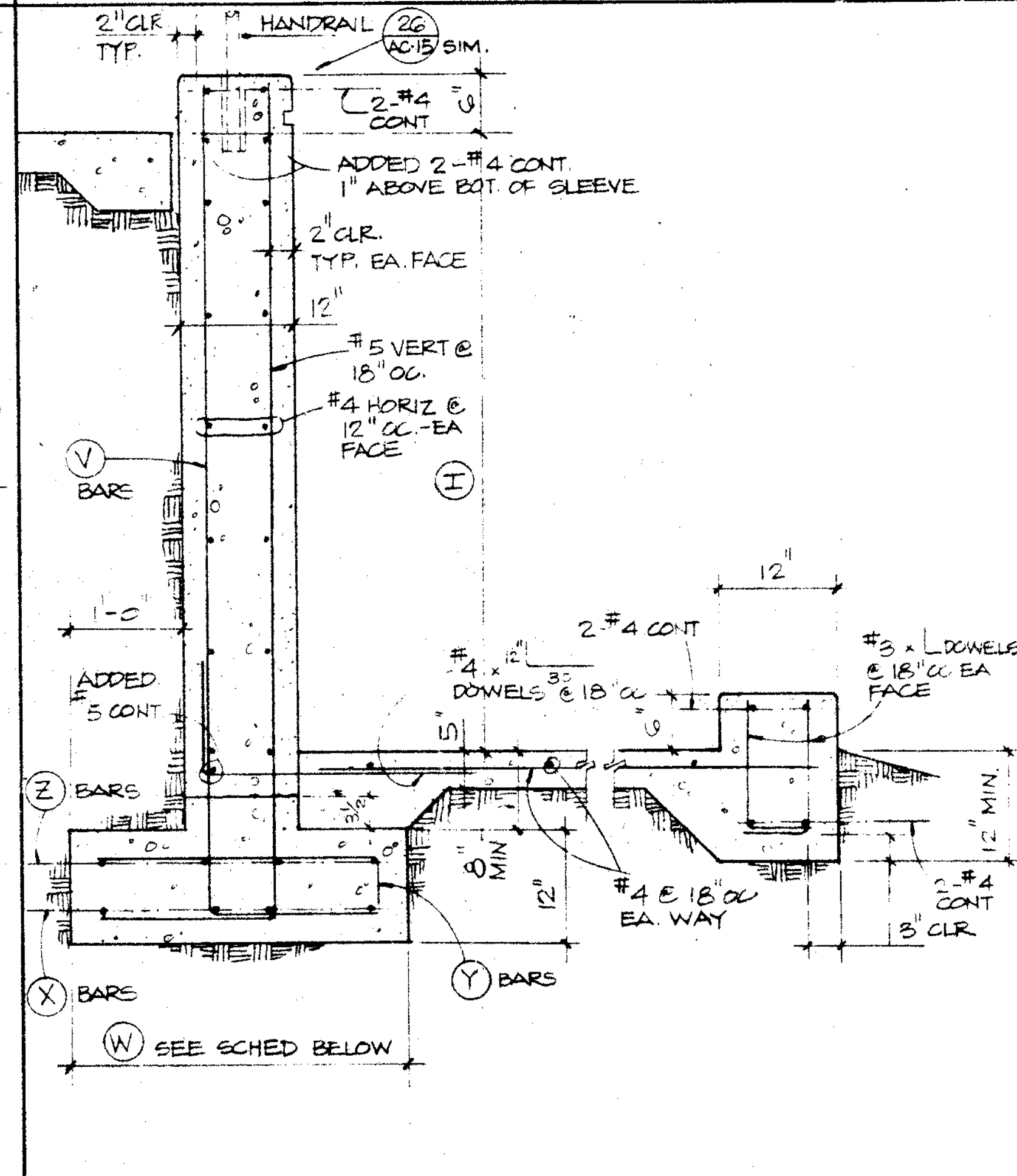
DETAIL 1" 12


2-#4 CONT.
#5 CONT. HORIZ. REINF. @ 12" OC. - EA. FACE
2" CLR. TYP.
#5 CONT. VERT. REINF. @ 12" OC. AT EA. FACE (NO SPLICE)
3/4" x 2 1/2" CONT. KEY
ADDED #4 CONT.
#4 x 4'-0" DOWELS @ 18" OC
1'-8"
CONC SLAB WHERE OCCURS
WHERE SLAB OCCURS PROVIDE #4 @ 12" OC.
#4 CONT
2'-0" MIN.
4-#5 CONT.
3" CLR. TYP.
2'-0"
FOR BOT. OF FTG. ELEV. SEE FDN PLAN

SECTION 3/4" 8

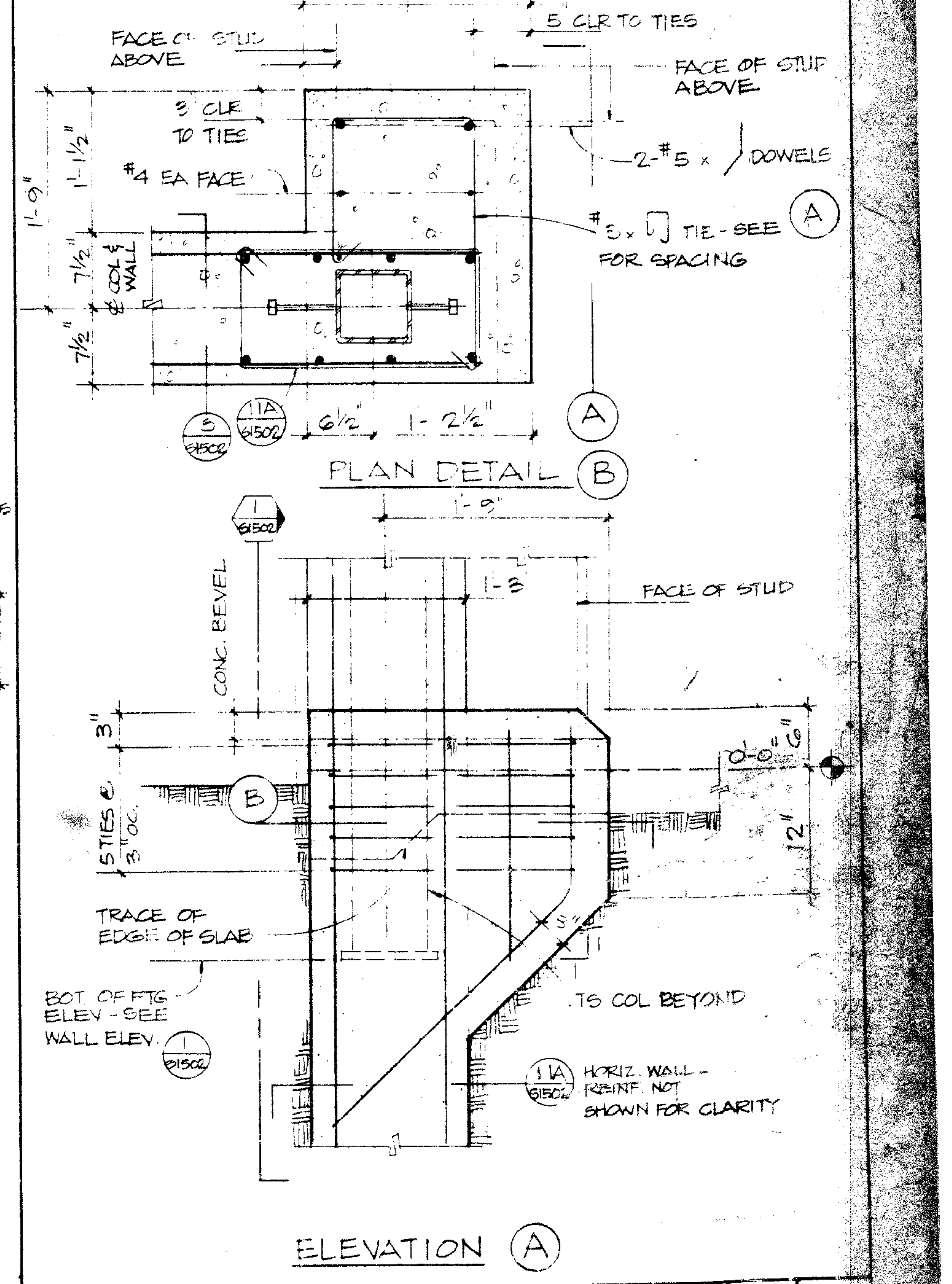

COL WALL ⊄ FTG
4 TIES @ 4" OC.
REMAINING TIES @ 8" OC.
11/S502
ADDED 2-#4 x 6'-6" DOWELS @ 3" OC. EA. SIDE OF TUBE (4-TOTAL) LOCATE DOWELS WITHIN TIES
ADDED #4 x 5'-0" LONG - CENTERED ON COL.
10/S502 BASE PL
#4 x 2'-6" LONG CONT. KEY
1 1/2" DRYPACK
BOT. OF COL BASE PL SEE ELEVATION 1/S502
REMAINDER OF HORIZ WALL REINF. NOT SHOWN FOR CLARITY
2'-0" MIN.
8/S502

DETAIL 3/4" 6

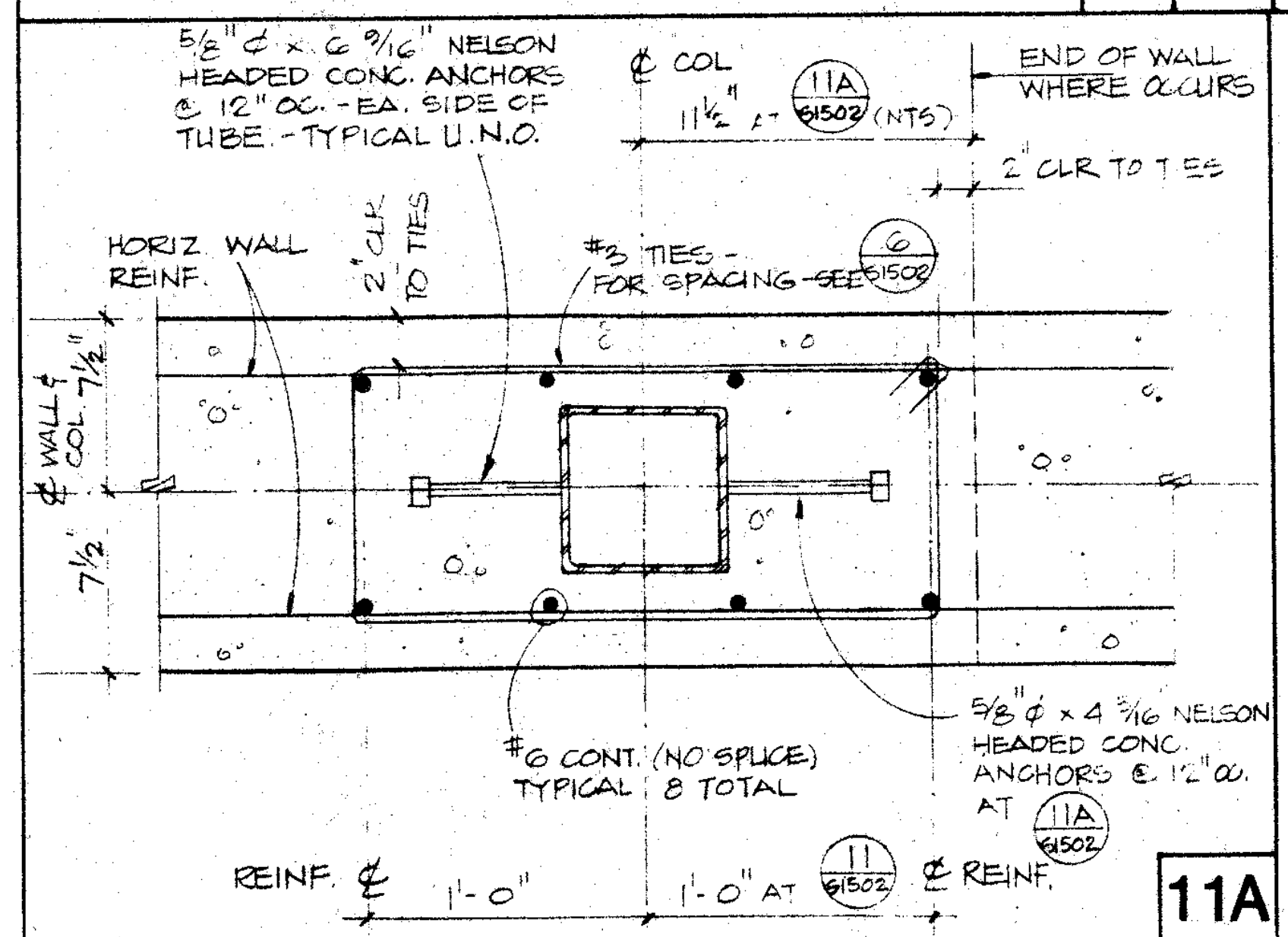

2" CLR TYP.
HANDRAIL 25/A15 SIM.
2-#4 CONT
ADDED 2-#4 CONT 1" ABOVE BOT OF SLEEVE
2" CLR. TYP. EA FACE
#5 VERT @ 18" OC.
#4 HORIZ. @ 12" OC. - EA FACE
(V) BARS
(H)
1'-0"
ADDED 5 CONT
(Z) BARS
2-#4 CONT
#4 x DOWELS @ 18" OC.
#5 x DOWELS @ 18" OC EA FACE
12" MIN
#4 @ 18" OC EA. WAY
2-#4 CONT
3" CLR
(X) BARS
(Y) BARS
(W) SEE SCHED BELOW

REINFORCING SCHEDULE					
(H)	(W)	(V) BARS	(X) BARS	(Y) BARS	(Z) BARS
H < 3'	2'-6"	#5 @ 18" OC.	4-#4 CONT.	—	—
3' ≤ H < 5'	3'-0"	#5 @ 18" OC.	4-#5 CONT.	#4 @ 18" OC.	4-#4 CONT.
5' ≤ H ≤ 7'	4'-6"	#5 @ 12" OC.	4-#5 CONT.	#5 @ 18" OC	4-#5 CONT.

CONC. RETAINING WALL NO SCALE 4

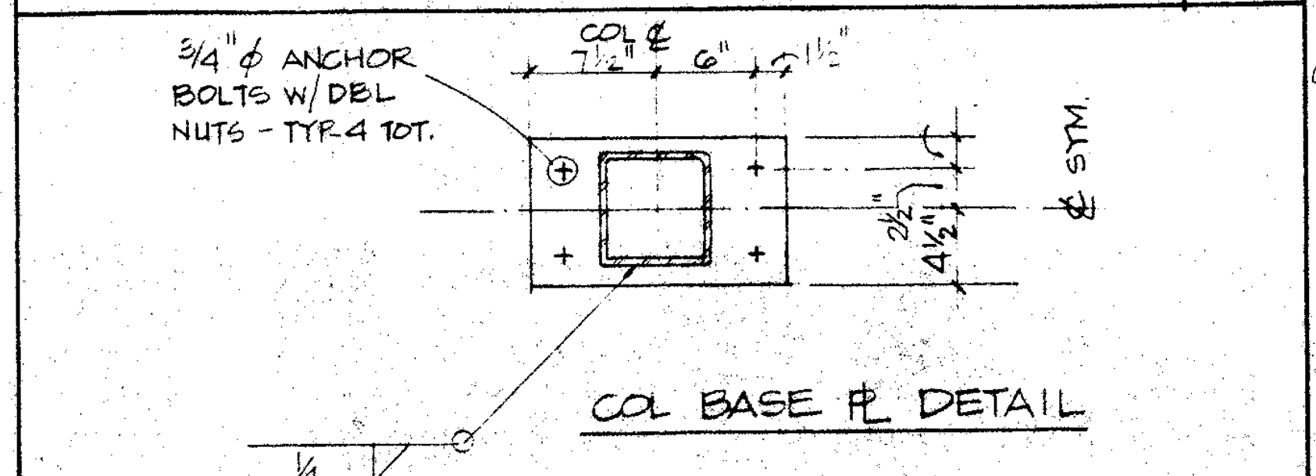

FACE OF STUD ABOVE
2" CLR TO TIES
FACE OF STUD ABOVE
3" CLR TO TIES
#4 EA FACE
2-#5 x DOWELS
#5 x TIE - SEE (A) FOR SPACING
11A/S502
PLAN DETAIL (B)
1'-9"
1'-3"
FACE OF STUD
CONC. BEVEL
(B)
5 TIES @ 3" OC.
TRACE OF EDGE OF SLAB
TS COL BEYOND
BOT. OF FTG. ELEV. - SEE WALL ELEV.
HORIZ. WALL REINF. NOT SHOWN FOR CLARITY
ELEVATION (A)

DETAIL 1" 2

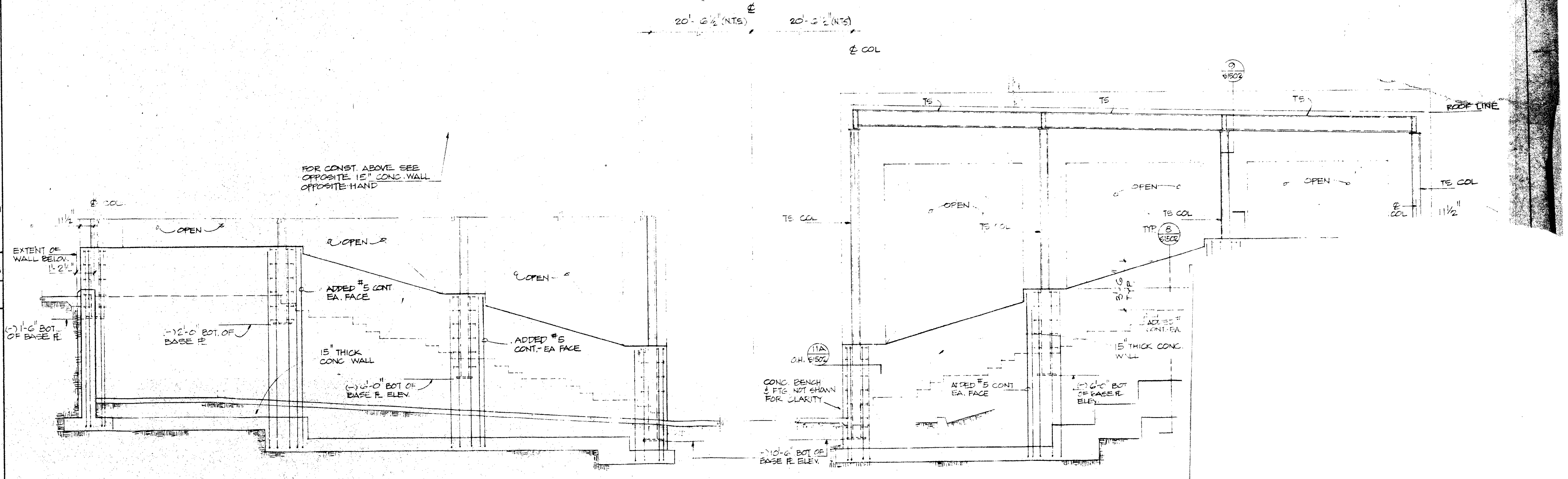

5/8" Ø x 6 9/16" NELSON HEADED CONC. ANCHORS @ 12" OC. - EA. SIDE OF TUBE - TYPICAL U.N.O.
⊄ COL
END OF WALL WHERE OCCURS
2" CLR TO TIES
HORIZ WALL REINF.
#3 TIES - FOR SPACING SEE 2/S502
#6 CONT. (NO SPLICE) TYPICAL - 8 TOTAL
5/8" Ø x 6 9/16 NELSON HEADED CONC. ANCHORS @ 12" OC AT 11A/S502
REINF. ⊄ 1'-0" 1'-0" AT ⊄ REINF.

11A

PLAN DETAIL 11


3/4" Ø ANCHOR BOLTS W/DBL NUTS - TYP. 4 TOT.
COL ⊄
⊄ SYM
COL BASE PL DETAIL

COL BASE PL DETAIL 1" 10


20'-6 1/2" (N.T.S.)
20'-2 1/2" (N.T.S.)
⊄ COL
TS
ROOF LINE
FOR CONST. ABOVE SEE OPPOSITE 15" CONC. WALL OPPOSITE HAND
OPEN
TS COL
EXTENT OF WALL BELOW
(-) 1'-0" BOT. OF BASE PL
(-) 2'-0" BOT. OF BASE PL
ADDED #5 CONT EA. FACE
15" THICK CONC. WALL
ADDED #5 CONT. - EA FACE
(-) 4'-0" BOT. OF BASE PL ELEV.
CONC. BENCH & FTG NOT SHOWN FOR CLARITY
(-) 2'-0" BOT. OF BASE PL ELEV.
15" THICK CONC. WALL
(-) 4'-0" BOT. OF BASE PL ELEV.

STRUCTURAL ELEVATION

Drawn By M.K.
Checked By S.R.U.
Date MAR 1985
Commission No. 1.30.02

Revisions

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Structural Engineers

Mamoru E. Kanda

REGISTERED PROFESSIONAL ENGINEER
MAMORU E. KANDA
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ARCHITECT
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West Hills High School
Grossmont Union High School District
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AMPHIT
AND DET

HVAC ABBREVIATIONS AND SYMBOL LISTS

HVAC ABBREVIATIONS

AAV	AUTOMATIC AIR VENT
AC	AIR CONDITIONING
ACD	AUTOMATIC CONTROL DAMPER
ACU	AIR CONDITIONING UNIT
ACV	AUTOMATIC CONTROL VALVE
AD	ACCESS DOOR
AF	AIR FOIL
AFF	ABOVE FINISHED FLOOR
AFS	AUTOMATIC FIRE SPRINKLER
AHU	AIR HANDLING UNIT
AMB	AMBIENT
AMD	AIR MEASURING DEVICE
AN	PIPE ANCHOR
ANV	ANGLE VALVE
AP	ACCESS PANEL
ARCH	ARCHITECTURAL
AT	AIR TERMINAL
ATC	AUTOMATIC TEMPERATURE CONTROL
BC	BALANCING COCK
BDD	BACK DRAFT DAMPER
BFV	BUTTERFLY VALVE
BHP	BRAKE HORSEPOWER
BI	BACKWARD INCLINED
BIW	BACKWARD INCLINED WHEEL
BLV	BALL VALVES
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
BV	BALANCING COCK
CC	COOLING COIL
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINET
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	CEILING
COMP	COMPRESSOR
COND	CONDENSATE
CONN	CONNECTION
CONT	CONTINUATION
COP	COEFFICIENT OF PERFORMANCE
CT	FACTORY-FABRICATED COOLING TOWER
CU	CONDENSING UNIT
CV	CHECK VALVE
C_V	FLOW COEFFICIENT
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DROP
D-D	DOUBLE DEFLECTION (PATTERN)
DAD	DUCT ACCESS DOOR
DB	DRY BULB
DIAM	DIAMETER
DIFF	DIFFUSER
DL	DOOR LOUVER
DR	DRAIN
E (NAME)	EXISTING PIPE
ESP	EXTERNAL STATIC PRESSURE
EA	EXHAUST AIR
EAR	EXHAUST AIR REGISTER
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ENT	ENTERING
ER	ECCENTRIC REDUCER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
F	FILTER
^{0}F	DEGREES FAHRENHEIT
F&BP	FACE AND BYPASS DAMPERS
F&T	FLOAT AND THERMOSTATIC TRAPS
FLA	FULL LOAD AMPERAGE
FA	FREE AREA
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FIN	FINISHED
FLR	FLOOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOW SWITCH
FT	FEET
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GAS COCK
GLV	GLOBE VALVE
GPM	GALLONS PER MINUTE
GV	GATE VALVE
H	HIGH
HB	HOSE BIBB
HC	HEATING COIL
HEPA-AF	HIGH EFFICIENCY PARTICULATE AIR FILTERS
HP	HORSEPOWER
HPR	HIGH PRESSURE RETURN
HPS	HIGH PRESSURE STEAM
HVAC	HEATING, VENTILATING AND AIR-CONDITIONING
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IB	INVERTED BUCKET TRAPS
ID	INSIDE DIAMETER
IPS	IRON PIPE SIZE
KW	KILOWATT
L	LONG
LRA	LOCKED ROTOR (AMPERAGE)
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LD	LINEAR DIFFUSER
LDB	LEAVING DB TEMPERATURE
LIN FT	LINEAR FEET
LPR	LOW-PRESSURE RETURN
LPS	LOW-PRESSURE STEAM
LVG	LEAVING
LWB	LEAVING WB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MB	MIXING BOX
MBH	THOUSAND BTU PER HOUR
MCC	MOTOR CONTROL CENTER
MG	GAS - MEDDIUM PRESSURE
MIN	MINIMUM
MOT	MOTOR
MPR	MEDIUM PRESSURE RETURN
MPS	MEDIUM PRESSURE STEAM
MU	MAKE-UP WATER
MV	MOTOR OPERATED VALVE
MVD	MANUAL VOLUME DAMPER
MZ-AHU	MULTIZONE AIR HANDLING UNITS
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO.	NUMBER
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OBD	OPPOSED BLADE DAMPER
OAI	OUTSIDE AIR INTAKE
OD	OUT SIDE DIAMETER
OPW	OPERATING WEIGHT
OSA	OUTSIDE AIR
OV	OUTLET VELOCITY
PD	PRESSURE DROP
PF	PERFORATED (FACE)
PG	PRESSURE GAUGE
PH	PHASE (ELECTRICAL)
POC	POINT OF CONNECTION
PRSS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
PSIA	PSI ABSOLUTE
PSIG	PSI GAUGE
PT	PLUGGED TEE
PTR	PRESSURE-TEMPERATURE RELIEF VALVE
PVC	POLYVINAL CLORIDE PIPE
R	RISE
RLA	RATED LOAD (AMPERAGE)
RA	RETURN AIR
RAR	RETURN AIR REGISTER
RCT	RECTANGULAR (FACE)
RD	REFRIGERANT DISCHARGE LINE
RD	ROOF DRAINS
REG	REGISTER
RG	RELIEF GRILL
RHC	REHEATING COIL
RL	REFRIGERANT LIQUID LINE
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION LINE
RV	RELIEF VALVE
SA	SUPPLY AIR
SAD	SUPPLY AIR DIFFUSER
SAR	SUPPLY AIR REGISTER
SD	SMOKE DAMPER
SEER	SEASONAL ENERGY-EFFICIENCY RATIO
SENS	SENSIBLE
SF	SUPPLY FAN
SHR	SENSIBLE HEAT RATIO
SMACNA	SHEET METAL & AC NATIONAL ASSOCIATION
SMD	AUTOMATIC SMOKE DAMPER
SOH	SHUT OFF HEAD
SOV	SHUT OFF VALVE
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SQ	SQUARE (FACE)
SQ. FT.	SQUARE FOOT
ST	SOUND TRAP
STR	STRAINER
TA	THROW AWAY (FILTER)
TC	TEMPERATURE CONTROL
TCP	TEMPERATURE CONTROL PANEL
TCV	AUTOMATIC TEMPERATURE CONTROL VALVE
TD	TRANSFER DUCT
TDH	TOTAL DYNAMIC HEAD
TEFC	TOTALLY ENCLOSED FAN-COOLED MOTOR
TEMP	TEMPERATURE
TG	TRANSFER GRILLE
TH	THERMOMETER
TV	TURNING VANES
TW	THERMOMETR WELL
TYP	TYPICAL
UC	UNDERCUT (DOOR)
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORY
UN	UNION
UTR	UP THRU ROOF
UV	UNIT VENTILATOR
V	VENT OR ATMOSPHERIC RELIEF
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VIL	VERTICAL IN-LINE
VTR	VENT THRU ROOF
VVT	VARIABLE VOLUME/VARIABLE TEMPERATURE
W	WIDE
W/	WITH
W-CLR	WATER COOLERS
W C	WATER-COOLED
W G	WATER GAUGE (PRESSURE)
W/O	WITHOUT
WB	WET BULB
WBT	WET-BULB TEMPERATURE
WG	WATER GAUGE
WMS	WIRE MESH SCREEN
WP	WORKING PRESSURE
1-W	ONE WAY (PATTERN)
2-W	TWO WAY (PATTERN)
3-W	THREE WAY (PATTERN)
4-W	FOUR WAY (PATTERN)

GENERAL NOTES:

1. ALL DUCT DIMENSIONS ON DRAWINGS TO BE INSIDE CLEAR.
2. ALL ROOM THERMOSTATS TO BE MOUNTED 5'-0" ABOVE FINISH FLOOR.
3. ALL DUCT BRANCHES FROM MAIN SUPPLY AIR DUCTS TO BE PROVIDED WITH MANUAL VOLUME DAMPERS.
4. ALL SQUARE ELBOWS TO BE PROVIDED WITH TURNING VANES.
5. TO DETERMINE THE EXACT NUMBER AND LOCATION OF FUSIBLE LINK FIRE DAMPERS THAT MAY BE REQUIRED, THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DRAWINGS WHICH INDICATE THE LOCATION OF FIRE RATED WALLS, PARTITIONS AND CEILINGS.
6. CO-ORDINATE LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
7. FOR BUILDING LOCATIONS, DIMENSIONS AND GRADE ELEVATIONS SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
8. ALL EQUIPMENT ANCHORS ON ROOF SHALL BE MADE WATER PROOF.
9. CONTRACTOR SHALL CO-ORDINATE MOUNTING HEIGHT OF ALL DUCTS WITH RECESSED LIGHTING FIXTURES. WHERE NOTED ON DRAWINGS OR REQUIRED, DUCTS SHALL BE RUN BETWEEN LIGHTING FIXTURES.
10. FLASHING AND COUNTERFLASHING FOR MECHANICAL WORK SHALL BE MADE WATER PROOF.
11. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
12. SYMBOLS AND ABBREVIATIONS ARE SHOWN FOR REFERENCE; NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED.
13. ALL NOTES ON THIS SHEET REMAIN PART OF THE CONTRACT DOCUMENTS.

SEISMIC RESTRAINT

PROVIDE SEISMIC ANCHORAGE FOR ALL MECHANICAL EQUIPMENT. IN ACCORDANCE WITH TITLE 24, 2-2312 (G) AND TABLE NO. 2-23J, PART B DETAILS SHALL BE PROVIDED FOR THE SEISMIC ANCHORAGE OF ALL MECHANICAL AND ELECTRICAL EQUIPMENT. ANCHORAGE DETAIL SHALL BE BASED UPON APPROPRIATE DESIGN CALCULATIONS.

1. EXCEPTION - FOR EQUIPMENT INSTALLED ON A FLOOR OR ROOF AND WEIGHING LESS THAN 500 POUNDS.

   ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

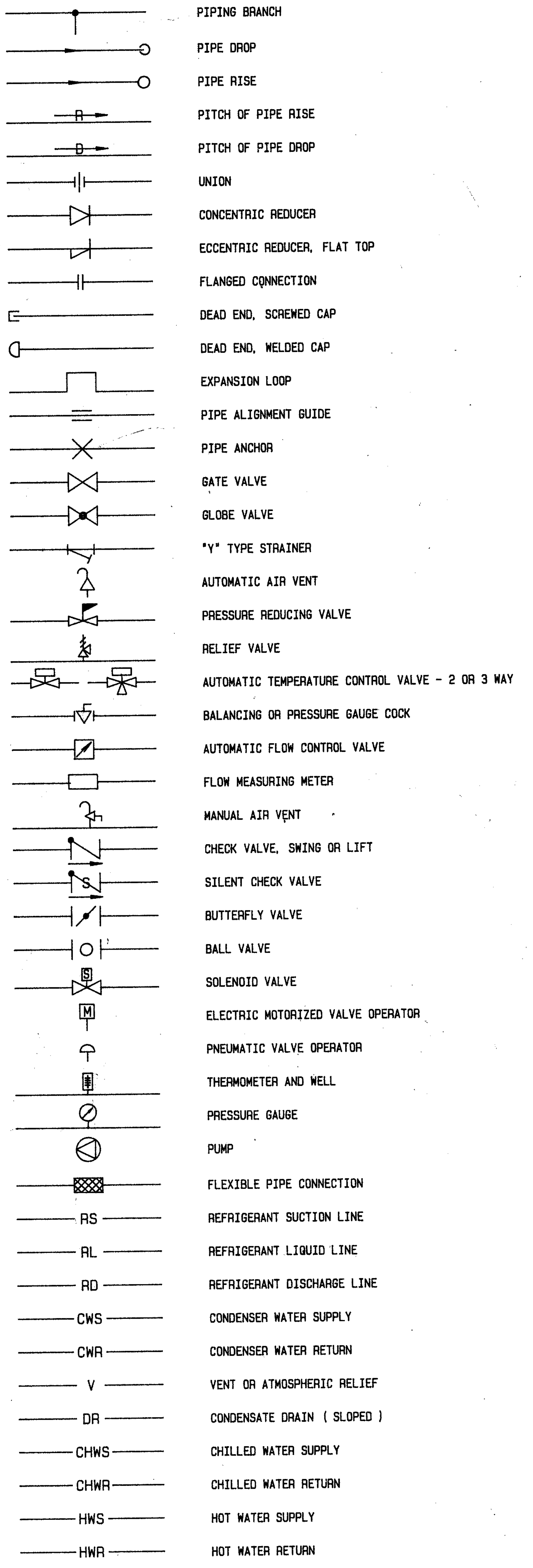
FIXED EQUIPMENT ON GRADE:	22% OF OPERATING WEIGHT
FIXED EQUIPMENT ON STRUCTURE:	33% OF OPERATING WEIGHT
EMERGENCY POWER EQUIPMENT ON GRADE:	33% OF OPERATING WEIGHT
EMERGENCY POWER EQUIPMENT ON STRUCTURE:	50% OF OPERATING WEIGHT

   FOR FLEXIBLY MOUNTED EQUIPMENT USE 2 X THE ABOVE VALUES. SIMULTANEOUS VERTICAL FORCE USE 1/3 X HORIZONTAL FORCE.

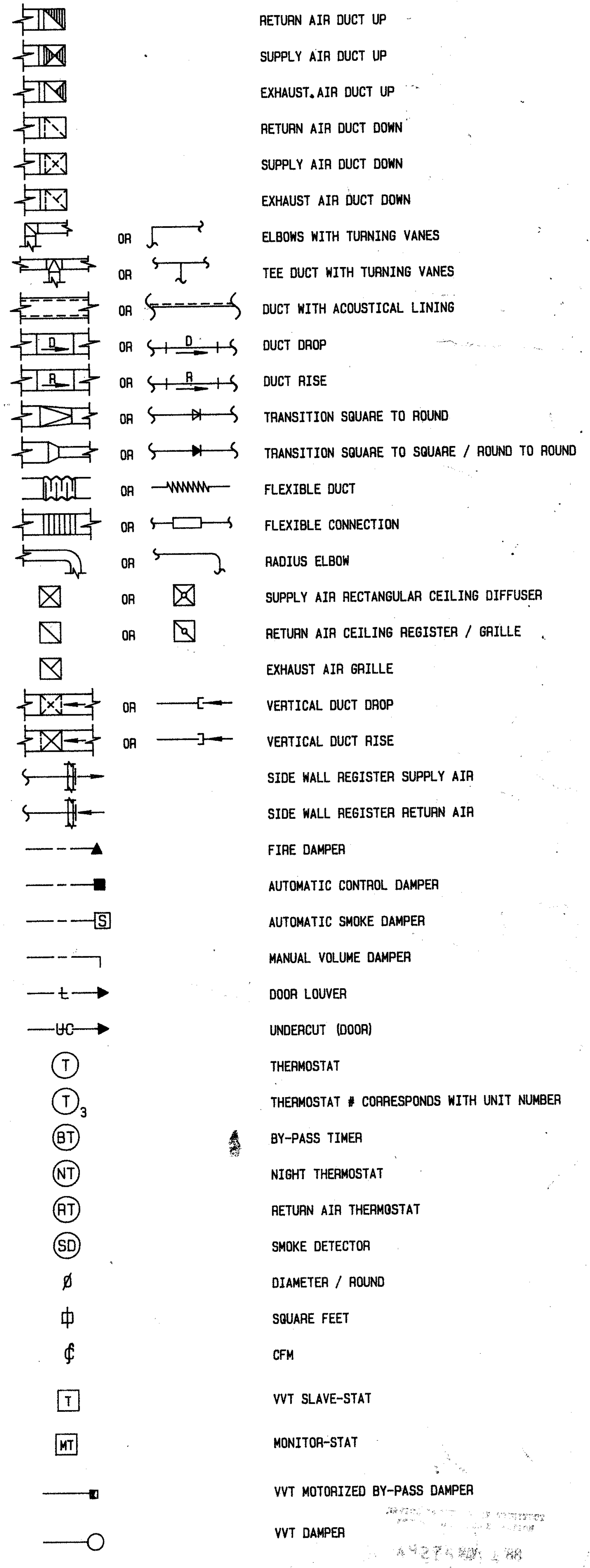
   WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE OFFICE OF THE STATE ARCHITECT.

2. DUCTWORK PIPING RESTRAINNT SHALL BE IN ACCORDANCE WITH " SMACNA " GUIDELINES FOR RESTRAINT OF MECHANICAL SYSTEMS.
3. FOR BUILDING #1 INCREASE LOADS ABOVE W/ 25%.

PIPING SYMBOLS


PIPING BRANCH
PIPE DROP
PIPE RISE
R
PITCH OF PIPE RISE
D
PITCH OF PIPE DROP
UNION
CONCENTRIC REDUCER
ECCENTRIC REDUCER, FLAT TOP
FLANGED CONNECTION
DEAD END, SCREWED CAP
DEAD END, WELDED CAP
EXPANSION LOOP
PIPE ALIGNMENT GUIDE
PIPE ANCHOR
GATE VALVE
GLOBE VALVE
"Y" TYPE STRAINER
AUTOMATIC AIR VENT
PRESSURE REDUCING VALVE
RELIEF VALVE
AUTOMATIC TEMPERATURE CONTROL VALVE - 2 OR 3 WAY
BALANCING OR PRESSURE GAUGE COCK
AUTOMATIC FLOW CONTROL VALVE
FLOW MEASURING METER
MANUAL AIR VENT
CHECK VALVE, SWING OR LIFT
S
SILENT CHECK VALVE
BUTTERFLY VALVE
BALL VALVE
S
SOLENOID VALVE
M
ELECTRIC MOTORIZED VALVE OPERATOR
PNEUMATIC VALVE OPERATOR
THERMOMETER AND WELL
PRESSURE GAUGE
PUMP
FLEXIBLE PIPE CONNECTION
RS
REFRIGERANT SUCTION LINE
RL
REFRIGERANT LIQUID LINE
RD
REFRIGERANT DISCHARGE LINE
CWS
CONDENSER WATER SUPPLY
CWR
CONDENSER WATER RETURN
V
VENT OR ATMOSPHERIC RELIEF
DR
CONDENSATE DRAIN (SLOPED)
CHWS
CHILLED WATER SUPPLY
CHWR
CHILLED WATER RETURN
HWS
HOT WATER SUPPLY
HWR
HOT WATER RETURN

DUCT WORK SYMBOLS


RETURN AIR DUCT UP
SUPPLY AIR DUCT UP
EXHAUST AIR DUCT UP
RETURN AIR DUCT DOWN
SUPPLY AIR DUCT DOWN
EXHAUST AIR DUCT DOWN
OR
ELBOWS WITH TURNING VANES
OR
TEE DUCT WITH TURNING VANES
OR
DUCT WITH ACOUSTICAL LINING
D
OR
D
DUCT DROP
R
OR
R
DUCT RISE
OR
TRANSITION SQUARE TO ROUND
OR
TRANSITION SQUARE TO SQUARE / ROUND TO ROUND
OR
FLEXIBLE DUCT
OR
FLEXIBLE CONNECTION
OR
RADIUS ELBOW
OR
SUPPLY AIR RECTANGULAR CEILING DIFFUSER
OR
RETURN AIR CEILING REGISTER / GRILLE
EXHAUST AIR GRILLE
OR
VERTICAL DUCT DROP
OR
VERTICAL DUCT RISE
SIDE WALL REGISTER SUPPLY AIR
SIDE WALL REGISTER RETURN AIR
FIRE DAMPER
AUTOMATIC CONTROL DAMPER
S
AUTOMATIC SMOKE DAMPER
MANUAL VOLUME DAMPER
L
DOOR LOUVER
UC
UNDERCUT (DOOR)
T
THERMOSTAT
T 3
THERMOSTAT # CORRESPONDS WITH UNIT NUMBER
BT
BY-PASS TIMER
NT
NIGHT THERMOSTAT
RT
RETURN AIR THERMOSTAT
SD
SMOKE DETECTOR
Ø
DIAMETER / ROUND
SQUARE FEET
CFM
T
VVT SLAVE-STAT
MT
MONITOR-STAT
VVT MOTORIZED BY-PASS DAMPER
VVT DAMPER

SPECIAL NOTE:

1. TEMPERATURE THERMOSTAT: TEMPERATURE RANGE 55 ^{0}F TO 85 ^{0}F SEQUENCE HEATING AND COOLING, ADJUSTABLE TO 10 ^{0}F BETWEEN HEATING AND COOLING, CAPABALITY TO TERMINATE ALL HEATING AT NO MORE THAN 70 ^{0}F AND TERMINATE ALL COOLING AT NOT LESS THAN 78 ^{0}F .

ASBESTOS OR HAZARDOUS WASTE: IT IS UNDERSTOOD AND AGREED THAT THIS CONTRACT DOES NOT CONTEMPLATE THE HANDLING OF ASBESTOS OR ANY HAZARDOUS WASTE MATERIAL. IF ASBESTOS OR ANY HAZARDDOUS WASTE MATERIAL IS ENCOUNTERED, NOTIFY THE OWNER IMMEDIATELY. DO NOT DISTURB, HANDLE OR ATTEMPT TO REMOVE.

COORDINATION:

1. THESE DRAWINGS ARE DIAGRAMATIC AND SHOW IN GENERAL WHERE THE DUCTWORK, PIPING AND OTHER WORK SPECIFIED IN THE 15000 SECTIONS OF THE SPECIFICATIONS IS TO BE LOCATED. THE DRAWINGS DO NOT NECESSARILY INDICATE ANY AND ALL OFFSETS AND CONFIGURATIONS REQUIRED FOR COORDINATION WITH THE SPACE REQUIREMENTS OF OTHER TRADES. THE CONTRACTOR IS RESPONSIBLE FOR THE CORRECT PLACING, LOACTION, AND CONNECTION OF THIS WORK IN RELATION TO THE WORK OF OTHER TRADES.

   THE CONTRACTOR SHALL EXAMINE ALL MECHANICAL, ARCHITECTURAL, STRUCTURAL, ELELCTRICAL AND OTHER DRAWINGS THAT HAVE BEEN PREPARED FOR THIS PROJECT, AND ACCEPT SUCH CONDITIONS, AND MAKE ALLOWANCES FOR THEM IN PREPARING THE BID.

ENERGY CONSERVATION STANDARD SECTIONS T20-1500 THRU 120-1525 OF THE CALIFORNIA ADMINISTRATIVE CODE HAVE BEEN REVIEWED AND THE DESIGN OF THE MECHANICAL SYSTEMS SUBMITTED CONFORMS SUBSTANTIALLY WITH DIVISIONS 5 AND 6 OF THESE REGULATIONS.

SIGNATURE 22257 P.E.# DEC.10.1987 DATE

Drawn By D.N.
Checked By OM
Date MARCH, 1988
Commission No.1-30-06

Revisions
BID JANUARY 1991

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West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

ABBREVIATIONS & SYMBOLS

Sheet Number
M-1
126 of Sheets

INCREMENT

AIR HANDLER SCHEDULE

UNIT SYMBOL		AH-1 ①	AH-2	AH-3	AH-4	AH-5	AH-6		
LOCATION		ROOF BLD'G 1.	MECH. PLATFORM BLD'G 1	MECH. PLATFORM BLD'G 1	MECH. PLATFORM BLD'G 1	MECH. PLATFORM BLD'G 1	MECH PLATFORM BLD'G 1		
MANUFACTURER		CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER		
MODEL		39ER 11	39E 17	39B 06	39B 06	39E 11	39E 17		
TYPE		DRAW HORIZ.	DRAW VERT.	A	A	DRAW HORIZ.	DRAW VERT.		
SUPPLY FAN	TYPE	FORWARD CURVED	FORWARD CURVED	FORWARD CURVED	FORWARD CURVED	FORWARD CURVED	FORWARD CURVED		
	CFM	4270	7200	2300	2300	4500	6800		
	TOTAL S.P. -"WG	3	2.85	2.8	2.8	2.6	2.7		
	HP / RPM	5/1005	7½/820	2 /1350	2 /1350	5/920	7½/795		
	CLASS	——	——	——	——	——	——		
RETURN FAN	TYPE	NA	FORWARD CURVED	NA	NA	N.A.	FORWARD CURVED		
	CFM	NA	6700	NA	NA	N.A.	6000		
	TOTAL S.P. -"WG	NA	0.6	NA	NA	N.A.	0.6		
	HP / RPM	NA	2/450	NA	NA	N.A.	2/425		
	CLASS	NA	N.A	NA	NA	N.A	——		
O.S.A. CFM		640	1900	500	500	1100	2080		
HEATING COIL		HC-1	HC-2	HC-3	HC-4	HC-5	HC-6		
COOLING COIL		CC-1	CC-2	CC-3	CC-4	CC-5	CC-6		
HUMIDIFIER		NA	NA	NA	NA	NA	NA		
FILTER	TYPE	LOW VEL.	LOW VEL.	LOW VEL	LOW VEL.	LOW VEL.	LOW VEL.		
	MIN. FACE AREA -FT²	27.7	41.6	6.9	6.9	27.7	41.6		
FILTER BOX		YES	YES	YES	YES	YES	YES		
MIXING BOX		YES	YES	YES	YES	YES	YES		
COMB. FILTER & MIX. BOX		NA	NA	NA	NA	NA	NA		
DRIVE		BELT	BELT	BELT	BELT	BELT	BELT		
DISCHARGE LOCATION		NA	NA	NA	NA	NA	NA		
INTAKE LOCATION		NA	NA	NA	NA	NA	NA		
VOLTS - PHASE		460-3	460-3	460-3	460-3	460-3	460-3		
OPERATING WEIGHT - LBS		2100	3300	1100	1100	1700	3300		
VIBRATION ISOLATOR		INT	INT.	INT.	INT.	INT.	INT		

REMARKS: ① OUT DOOR UNIT COMPLETE WITH DISCHARGE PLENUM AND PREFAB. ROOF CURB.

UNIT HEATER SCHEDULE

UNIT SYMBOL	UH-1	UH-2,3				
MANUFACTURER	REZNOR	REZNOR				
TYPE	CEEXL	CEEXL				
MODEL	105	200				
CFM @ 60° F EAT	1195	1970				
RPM	1050	500				
THROW(MAX FT)	34	68				
MAX. MOUNTING HEIGHT	14	14				
INPUT MBH	95.9	195				
OUTPUT MBH	76.7	156				
CONTROL (24) AMPS	.17	.17				
SERVICE	ROOM	ROOM 505				
FLA	4.1	8.8				
HP	1/20	1/2				
VOLTS - PHASE	115-1φ	115-1φ				
OPERATING WEIGHT - LBS	150	350				

REMARKS: L UNIT COMPELETE W/ VERTICAL LOUVER, 30° DOWNTURN NOZZLE AND SPECIAL AIR RE-CIRCULATION KIT.

COIL SCHEDULE (HYDRONIC)

UNIT SYMBOL	CC-1	CC-2	CC-3	CC-4	CC-5	CC-6			HC-1	HC-2	HC-3	HC-4	HC-5	HC-6		
LOCATION	AH-1	AH-2	AH-3	AH-4	AH-5	AH-6			AH-1	AH-2	AH-3	AH-4	AH-5	AH-6		
MANUFACTURER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER			CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER		
MODEL	——	——	——	——	——	——			——	——	——	——	——			
SERVICE	CHILLED WATER	CHILLED WATER	CHILLED WATER	CHILLED WATER	CHILLED WATER	CHILLED WATER			HOT WATER	HOT WATER	HOT WATER	HOT WATER	HOT WATER	HOT WATER		
CFM	4270	7200	2300	2300	4500	6800			4270	7200	2300	2300	4500	6800		
EAT - °F - DB	76.5	81	80	80	78	80			65	60	65	65	65	65		
EAT - °F - WB	63.5	65	65	65	64	65			——	——	——	——	——	——		
LAT - °F - DB	52.5	51.5	53.5	53.5	50.4	54.7			77	92	90	90	108	87		
LAT - °F - WB	52	51.2	53	53	50.3	53.7			——	——	——	——	——	——		
AIR P.D. - "WG	0.77	0.65	0.88	0.88	0.6	0.6			0.2	0.15	0.1	0.1	0.15	0.17		
EWT - °F	45	45	45	45	45	45			180	180	180	180	180	180		
LWT - °F	55	55	55	55	55	55			160	160	160	160	160	160		
GPM	30	58	16	16	36	42			5	26	8	8	21	17		
WATER P.D. - FT WG	1.39	1.65	2	2	5.75	6.9			0.1	1.3	0.43	0.43	0.5	0.17		
CAPACITY - MBH	140	290	80	80	176	230			50	250	63	63	208	160		
SIZE W" X L"	81x36	91x47	44x45	44x45	81x36	91x47			81x36	91x47	46x43	46x43	81x36	91x47		
ROWS	8	8	6	6	6	6			1	1	2	2	2	1		
FINS/INCH	8	8	14	14	14	8			8	8	6	6	8	8		
OPERATING WEIGHT - LBS	①	①	①	①	①	①			①	①	①	①	①	①		

REMARKS: ① WEIGHT IS INCLUDED IN A/H UNIT SCHEDULE

RADIANT HEATER SCHEDULE

UNIT SYMBOL	RH-1 THRU RH-21		
LOCATION	GYM BLD'G 1		
MANUFACTURER	PEREFC-TION		
MODEL	JK37		
TYPE	GAS		
NATURAL GAS INPUT MBH	37		
ELECTRIC INPUT - KW	N.A.		
HEATER VOLTS - PHASE	N.A.		
CONTROL VOLTS - PHASE	120-1		
CONTROL TYPE	ELECT.		
OPERATING WEIGHT - LBS	50		

REMARKS:

DUST ARRESTOR SCHEDULE

UNIT SYMBOL	DC-1		
LOCATION	WOOD SHOP		
MANUFACTURER	AMERICAN AIR FILTER		
MODEL	NO. 20		
TYPE	ROTO-CLONE		
UNIT CFM	9000		
STATIC PRESSURE - "WG	9"		
CARTRIDGE - SQ. FT.	N.A.		
HOPPER CAPACITY - FT.³	49.5/61.6 ①		
FAN MOTOR - HP	25		
DRIVE	BELT		
VOLTS - PHASE	460-3		
OPERATING WEIGHT - LBS	8,000		

REMARKS:
1. ROTO-CLONE HOPPER/SKIMMER HOPPER
2. UNIT COMPLETE WITH 6FT LEGS

MAKEUP AIR / HEATER SCHEDULE

UNIT SYMBOL		MU-1,3	MU-2	MU-4	MU-5 ①
LOCATION		ROOF BLDG "1"	ROOF BLDG "1"	ROOF BLDG "5"	ROOF BLDG "4"
MANUFACTURER		REZNOR	REZNOR	REZNOR	REZNOR
MODEL		CRXE 250	CRXE 175	CRXE 250	CRXE 400
SERVICE		RM 119,122 123	RM 127	FINSHING ROOM	KITCHEN
BLOWER CFM		3800	1700	3700	5925
TOTAL S.P. - "WG		.6	.6	.6	.6
FAN - HP		1½	3/4	1½	3
HEATING SYSTEM		GAS	GAS	GAS	GAS
HEATING INPUT - MBH		225	200	225	360
OUTSIDE AIR CFM		3800	1700	3700	5925
CURB		PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB
FILTER	SIZE "W X"H X"L	(2) 20x20x1 (2) 20x25x1	20x25x1	(2) 20x20x1 (2) 20x25x1	(3) 16x25x1 (2) 20x25x1
	QUANTITY	NA	2	NA	NA
	TYPE	THROW-AWAY	THROW-AWAY	THROW-AWAY	THROW-AWAY
MIN. THERMAL EFFICIENCY		.80	.80	.80	.80
VOLTS - PHASE		460-3φ	460-3φ	460-3φ	460-3φ
OPERATING WEIGHT - LBS		1200	1000	1200	1500

REMARKS:
① PROVIDE ROOFTOP EVAPORATIVE COOLING MODULE MODEL RAM SIZE 55-400, 80% EVAPORATIVE EFF. 5530 CFM, STATIC PRESSURE = .25 IN, 1/15 HP, FULL LOAD AMP = 3.2, 115V-1φ, FILTER SIZE (1) 48x27½ & (4) 24½ x 32½, 250 LBS

FAN COIL SCHEDULE

UNIT SYMBOLE		FC-1		FC-2		FC-3			
LOCATION		RM. 151		RM. 149		RM. 150			
MANUFACTURER		CARRIER		CARRIER		CARRIER			
MODEL		42CE6		42CE6		42CE2			
TYPE		HORIZ. FURRED-IN		HORIZ. FURRED-IN		HORIZ. FURRED-IN			
BLOWER CFM		800		800		200			
EXTERNAL S.P. - "WG		0.10		0.10		0.10			
COIL SERVICE		CLG.	HTG.	CLG.	HTG.	CLG.	HTG.	CLG.	HTG.
CFM		675	750	690	750	155	170		
EAT - °F - DB		78	75	78	75	76	NA		
EAT - °F - WB		65	N.A	65	N.A.	63	N.A		
EWT - °F		45	160	45	160	45	160		
GPM		3.5	1	3.5	1	1	1		
WATER P.D. - FT WG		10	1	10	1	2	2		
CAPACITY - MBH		17.6	9.1	17.6	9.1	3.4	5		
NUMBER OF ROWS		3	1	3	1	3	3		
OPERATING WEIGHT - LBS		100		100		60			
FILTER	SIZE "W X"H X"L	10X40X1		10X40X1		10X40X1			
	QUANTITY	1		1		1			
	TYPE	DIS-POSABLE		DIS-POSABLE		DIS-POSABLE			
HP		NA		NA		NA			
WATTS		270		270		105			
VOLTS - PHASE		115-1		115-1		115-1			
VIBRATION ISOLATION		N.A.		N.A.		N.A.			

REMARKS:

CHILLER SCHEDULE (AIR COOLED)

UNIT SYMBOL	CH-1		
LOCATION	CHILLER YARD		
MANUFACTURER	CARRIER		
MODEL	30GB-075		
TYPE	AIR COOLED		
COND. EAT -° F	105		
CHILLED LWT -° F	45		
CAPACITY - TONS	74		
COMPRESSOR - KW	94.4		
EER	9.5		
GPM	200		
PD - FT - WG	15		
FOULING FACTOR	0.0005		
% UNLOADING (MIN.)	22.2		
HOT GAS BYPASS	NO		
CFM (TOTAL)	58,800		
FANS - QTY.	6		
COMPRESSOR - QTY.	3		
MIN. CIRCUIT AMPACITY	187.3		
VOLTS - PHASE	460-3		
OPERATING WEIGHT - LBS	7000		
VIBRATION ISOLATION	INTERNAL		

REMARKS:

PIPING VIBRATION ISOLATION

SYSTEM	MINIMUM DEFLECTION - IN	ISOLATOR TYPE	SEISMIC RESTRAINT TYPE
CHILLED WATER SUPPLY & RETURN OR CONDENSER WATER SUPPLY & RETURN			
1. SUSPENDED	1.0"	HS	III
2. FLOOR SUPPORTED	1.0"	MSL	---
HOT WATER SUPPLY AND RETURN			
1. SUSPENDED	0.3"	HN	III
2. RISER SUPPORT	0.06"	PN	---

REMARKS:

BOILER SCHEDULE

UNIT SYMBOL	B-1		
LOCATION	BOILER ROOM		
MANUFACTURER	BRYAN		
MODEL	CL120		
TYPE	WATER TUBE		
FUEL	GAS		
INPUT (GAS) MBH	1200		
INPUT (OIL) GPH	N.A		
OUTPUT MBH	960		
MAXIMUM PRESSURE - PSIG	30		
CONTROL VOLTS - PHASE	120-1		
BURNER HP	N.A.		
BURNER VOLTS - PHASE	N.A.		
OPERATING WEIGHT - LBS	2000		

REMARKS:

A 4927 1988

Drawn By G.G.
Checked By Q.M.
Date MARCH, 1988
Commission No 1-30-05

Revisions
BID JANUARY 1991

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ARCHITECT
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West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

SCHEDULES

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INCREMENT 2

AIR CONDITIONER SCHEDULE

UNIT SYMBOL		AC-1	AC-2	AC-3	AC-4	AC-5	AC-6	AC-7	AC-8	AC-9	AC-10
LOCATION		ROOF BLDG"3"	ROOF BLDG"3"	ROOF BLDG"3"	ROOF BLDG"3"	ROOF BLDG"3"	ROOF BLDG"3"	ROOF BLDG"3"	ROOF BLDG"3"	ROOF BLDG"3"	ROOF BLDG 4
MANUFACTURER		CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER
MODEL		48LV 008	48LV 008	48LV 008	48KLA 124	48LV 008	48LV 008	48LV 008	48LDT 005	48LDT 005	48LV 008
TYPE		PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE
BLOWER CFM		3000	2500	2500	725	2300	2300	2500	1500	1500	3100
EXTERNAL S.P. - "WG		.70	.70	.70	.40	.70	.70	.70	.62	.62	.60
FAN - HP		1 1/2 ①	1	1	1/3	1	1	1	3/4	3/4	1 1/2 ①
EVAP. EAT - °F - DB		77	77	77	77	77	77	77	78	78	78
EVAP. EAT - °F - WB		63	63	63	63	63	63	63	63	63	63
COND. EAT - °F - DB		105	105	105	105	105	105	105	105	105	105
COOLING CAPACITY - MBH		84.6	79.3	79.3	20.8	78.2	78.2	79.3	42.9	42.9	87.5
SEN. LOAD - MBH		69	64.8	64.8	17.1	62.7	62.7	64.8	35.6	35.6	77.1
HEATING SYSTEM		GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS
HEATING INPUT - MBH		114	114	114	40	114	114	114	80	80	114
OUTSIDE AIR - CFM		255	370	370	80	350	350	370	300	300	700
CURB		PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB
FILTER	SIZE "L X"W X"D	20X16X1 20X20X1	20X16X1 20X20X1	20X16X1 20X20X1	576 IN²	20X16X1 20X20X1	20X16X1 20X20X1	20X16X1 20X20X1	25X20X1 25X16X1	25X20X1 25X16X1	20X20X1 20X16X1
	QUANTITY	2	2	2	1	2	2	2	1	1	2
	TYPE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE
COMPRESSOR INPUT - KW		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COMP. NO.		1	1	1	1	1	1	1	1	1	1
TOTAL UNIT / FLA		19.67	19.67	19.67	14.4	19.67	19.67	19.67	14.77	14.77	20.57
EER		9.2	9.2	9.2	8.5	9.2	9.2	9.2	7.95	7.98	9.2
VOLTS - PHASE		460-3φ	460-3φ	460-3φ	208-1φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ
OPERATING WEIGHT - LBS		1400	1400	1400	500	1400	1400	1400	1000	1000	1400
VIBRATION ISOLATION		INT	INT	INT	INT	INT	INT	INT	INT	INT	INT

UNIT SYMBOL		AC-11	AC-12	AC-13	②AC-14	AC-15	AC-16	AC-17	AC-18	AC-19	AC-20
LOCATION		ROOF BLDG"4"	ROOF BLDG"4"	ROOF BLDG"4"	ROOF BLDG "1"	ROOF BLDG"5"	ROOF BLDG"6"	ROOF BLDG"6"	ROOF BLDG "6"	ROOF BLDG"6"	ROOF BLDG"6"
MANUFACTURER		CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER
MODEL		48LDT 005	48LDT 006	48LDT 006	50CD 009	48LDT 006	48HD 007	48HD 007	48KLA 124	48HD 007	48LDT 006
TYPE		PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE
BLOWER CFM		1200	1600	1600	3200	1500	2000	1900	700	2000	1900
EXTERNAL S.P. - "WG		.50	.70	.70	.40	.70	.68	.70	0.4	.68	.66
FAN - HP		3/4	3/4	3/4	1 1/2	3/4	1	1	1/3	1	1
EVAP. EAT - °F - DB		78	78	78	80	80	78	78	95	78	78
EVAP. EAT - °F - WB		63	63	63	65	63	63	63	67	63	63
COND. EAT - °F - DB		105	105	105	105	105	105	105	105	105	105
COOLING CAPACITY - MBH		33.9	48.9	48.9	110	47.9	60.2	58.8	23.4	60.2	51.8
SEN. LOAD - MBH		31.8	42.2	42.2	90	43.2	51.1.	49.9	15.9	51.1	43.1
HEATING SYSTEM		GAS	GAS	GAS	N.A.	GAS	GAS	GAS	GAS	GAS	GAS
HEATING INPUT - MBH		80	80	80	N.A.	80	120	120	40	120	80
OUTSIDE AIR - CFM		300	410	350	0.	450	360	360	80	500	300
CURB		PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB
FILTER	SIZE "L X"W X"D	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1	20X16X1 20X20X1	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1	576 IN²	25X20X1 25X16X1	25X20X1 25X16X1
	QUANTITY	1	1	1	2	1	1	1	1	1	1
	TYPE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE
COMPRESSOR INPUT - KW		NA	NA	NA	NA	NA	NA	NA	N.A.	NA	NA
COMP. NO.		1	1	1	2	1	1	1	1	1	1
TOTAL UNIT / FLA		14.77	15.97	15.97	24.00	15.97	16.57	16.57	14.4	16.57	16.47
EER		7.95	7.45	7.45	8.0	7.45	8.2	8.2	8.5	8.2	7.45
VOLTS - PHASE		460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	208-1φ	460-3φ	460-3φ
OPERATING WEIGHT - LBS		1000	1000	1000	2200	1000	1000	1000	500	1000	1000
VIBRATION ISOLATION		INT	INT	INT	INT	INT	INT	INT	INT.	INT	INT

UNIT SYMBOL		AC-21	AC-22	AC-23	AC-24	AC-25	AC-26	AC-27	AC-28	AC-29	AC-30
LOCATION		ROOF BLDG"7"	ROOF BLDG"7"	ROOF BLDG"7"	ROOF BLDG"7"	ROOF BLDG"7"	ROOF BLDG"7"	ROOF BLDG 7	ROOF BLDG"8"	ROOF BLDG"8"	ROOF BLDG"8"
MANUFACTURER		CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	ROOF	ROOF
MODEL		48LDT 006	48LDT 006	48LDT 006	48LDT 006	48LDT 006	48LDT 006	48LDT 006	48LDT 005	48LDT 005	48LDT 005
TYPE		PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE
BLOWER CFM		1500	1500	1500	1500	1500	1500	1500	1600	1340	1350
EXTERNAL S.P. - "WG		.70	.70	.70	.70	.70	.70	.70	.50	.50	.50
FAN - HP		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
EVAP. EAT - °F - DB		80	80	80	80	80	80	80	83	78	78
EVAP. EAT - °F - WB		63	63	63	63	63	63	63	65	63	63
COND. EAT - °F - DB		105	105	105	105	105	105	105	105	105	105
COOLING CAPACITY - MBH		47.7	47.7	47.7	47.7	47.7	47.7	47.7	43.2	43.6	43.6
SEN. LOAD - MBH		43.2	43.2	43.2	43.2	43.2	43.2	43.2	41.1	38.2	38.2
HEATING SYSTEM		GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS
HEATING INPUT - MBH		80	80	80	80	80	80	80	80	80	80
OUTSIDE AIR - CFM		500	500	500	500	500	500	500	900	360	400
CURB		PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB
FILTER	SIZE "L X"W X"D	25X20X1 25X16X1	25X20X1 25X16X1	25X20X1 25X16X1	25X20X1 25X16X1	25X20X1 25X16X1	25X20X1 25X16X1	25X20X1 25X16X1	25X16X1 25X20X1	25X20X1 25X16X1	25X20X1 25X16X1
	QUANTITY	1	1	1	1	1	1	1	1	1	1
	TYPE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE
COMPRESSOR INPUT - KW		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COMP. NO.		1	1	1	1	1	1	1	1	1	1
TOTAL UNIT / FLA		15.97	15.97	15.97	15.97	15.97	15.97	15.97	14.77	14.77	14.77
EER		7.45	7.45	7.45	7.45	7.45	7.45	7.45	7.95	7.95	7.95
VOLTS - PHASE		460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ
OPERATING WEIGHT - LBS		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
VIBRATION ISOLATION		INT	INT	INT	INT	INT	INT	INT	INT	INT	INT

REMARKS: ① OPTIONAL MOTOR

② COOLING UNIT ONLY WITH ECONOMIZER.

AIR CONDITIONER SCHEDULE

UNIT SYMBOL		AC-31	AC-32	AC-33	AC-34	AC-35	AC-36	AC-37	AC-38	AC-39	AC-40
LOCATION		ROOF BLDG"8"	ROOF BLDG"8"	ROOF BLDG"8"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	OMITTED	ROOF BLDG	ROOF BLDG"9"
MANUFACTURER		CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER		CARRIER	CARRIER
MODEL		48LDT 006	48HD 007	48LDT 005	48LDT 004	48DP 012	48LDD 008	48LV 008		48LDT 006	48LDT 006
TYPE		PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE		PACKAGE	PACKAGE
BLOWER CFM		2000	2000	1600	900	4000	2500	3000		1500	1500
EXTERNAL S.P. - "WG		.68	.68	.50	.50	1.0	1.0	.80		.70	.70
FAN - HP		1 ①	1	3/4	1/3	1 1/2 ①	1 1/2 ①	1 1/2 ①		3/4	3/4
EVAP. EAT - °F - DB		78	78	83	77	76	75	76		80	80
EVAP. EAT - °F - WB		63	63	65	63	62	62	62		63	63
COND. EAT - °F - DB		105	105	105	105	105	105	105		105	105
COOLING CAPACITY - MBH		52.4	60.2	43.2	30.2	100	75.9	83.1		47.7	47.7
SEN. LOAD - MBH		45.2	51.1	41.1	25.2	84	66	74.5		43.2	43.2
HEATING SYSTEM		GAS	GAS	GAS	GAS	GAS	GAS	GAS		GAS	GAS
HEATING INPUT - MBH		80	120	80	80	154	114	114		80	80
OUTSIDE AIR - CFM		500	360	900	160	450	320	370		430	430
CURB		PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB		PRE-FAB	PRE-FAB
FILTER	SIZE "L X"H X"L	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1	(2)16X20X2 (4)16X25X2	20X16X1 20X20X1	20X16X1 20X20X1		25X16X1 25X20X1	25X16X1 25X20X1
	QUANTITY	1	1	1	1	1	2	2		1	1
	TYPE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE		DIS- POSABLE	DIS- POSABLE
COMPRESSOR INPUT - KW		NA	NA	NA	NA	NA	NA	NA		NA	NA
COMP. NO.		1	1	1	1	2	2	1		1	1
TOTAL UNIT / FLA		16.47	16.57	14.77	12.77.	28.37	19.77	20.57		15.97	15.97
EER		7.45	8.2	7.95	7.8	8.3	8.2	9.2		7.45	7.45
VOLTS - PHASE		460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ		460-3φ	460-3φ
OPERATING WEIGHT - LBS		1000	1000	1000	1000	1800	1400	1400		1000	1000
VIBRATION ISOLATION		INT	INT	INT	INT	INT	INT	INT		INT	INT

UNIT SYMBOL		AC-41	AC-42	AC-43	AC-44	AC-45	AC-46	AC-47	AC-48	AC-49	AC-50
LOCATION		ROOF BLDG"9"	ROOF BLDG"9"	ROOF BLDG"9"	ROOF BLDG"9"	ROOF BLDG"11"	ROOF BLDG"11"	ROOF BLDG"11"	ROOF BLDG"11"	ROOF BLDG"11"	ROOF BLDG"12"
MANUFACTURER		CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER
MODEL		48LDT 006	48LDT 006	48LDT 006	48LDT 006	48LDT 006	48LDT 006	48LDT 006	48LDT 006	48LDT 004	48LDT 006
TYPE		PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE
BLOWER CFM		1500	1500	1500	1500	1500	1500	1500	1500	900	1500
EXTERNAL S.P. - "WG		.70	.70	.70	.70	.70	.70	.70	.70	.50	.80
FAN - HP		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	1/3	3/4
EVAP. EAT - °F - DB		80	80	80	80	80	80	80	80	80	79
EVAP. EAT - °F - WB		63	63	63	63	63	63	63	63	64	63
COND. EAT - °F - DB		105	105	105	105	105	105	105	105	105	105
COOLING CAPACITY - MBH		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	30.7	48.1
SEN. LOAD - MBH		43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	25.3	40.7
HEATING SYSTEM		GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS
HEATING INPUT - MBH		80	80	80	80	80	80	80	80	80	80
OUTSIDE AIR - CFM		430	430	430	430	430	430	430	430	200	350
CURB		PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB
FILTER	SIZE "L X"H X"L	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1
	QUANTITY	1	1	1	1	1	1	1	1	1	1
	TYPE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE
COMPRESSOR INPUT - KW		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COMP. NO.		1	1	1	1	1	1	1	1	1	1
TOTAL UNIT / FLA		15.97	15.97	15.97	15.97	15.97	15.97	15.97	15.97	11.07	15.97
EER		7.45	7.45	7.45	7.45	7.45	7.45	7.45	7.45	7.8	7.45
VOLTS - PHASE		460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3
OPERATING WEIGHT - LBS		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
VIBRATION ISOLATION		INT	INT	INT	INT	INT	INT	INT	INT	INT	INT

UNIT SYMBOL		AC-51	AC-52	AC-53	AC-54	AC-55	AC-56	AC-57	AC-58	AC-59	AC-60
LOCATION		ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"
MANUFACTURER		CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER
MODEL		48LDT 005	48LDT 005	48LDT 006	48LDT 006	48LDT 006	48LDT 006	48LDT 006	48LDT 006	48LDT 006	48LDT 004
TYPE		PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE
BLOWER CFM		1500	1500	2000	1500	1500	1500	1500	1500	1500	1200
EXTERNAL S.P. - "WG		.60	.80	.70	.80	.80	.80	.80	.80	.80	.70
FAN - HP		3/4	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4 ①
EVAP. EAT - °F - DB		79	79	78	79	79	79	79	79	79	78
EVAP. EAT - °F - WB		63	63	63	63	63	63	63	63	63	63
COND. EAT - °F - DB		105	105	105	105	105	105	105	105	105	105
COOLING CAPACITY - MBH		40.7	48.1	47.0	48.1	48.1	48.1	48.1	48.1	48.1	32.3
SEN. LOAD - MBH		36.8	40.7	46.9	40.7	40.7	40.7	40.7	40.7	40.7	26.8
HEATING SYSTEM		GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS
HEATING INPUT - MBH		80	80	80	80	80	80	80	80	80	80
OUTSIDE AIR - CFM		300	350	300	350	350	350	350	350	350	230
CURB		PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB
FILTER	SIZE "L X"H X"L	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1	25X16X1 25X20X1	25X20X1 25X16X1	25X16X1 25X20X1	25X20X1 25X16X1	25X20X1 25X16X1
	QUANTITY	1	1	1	1	1	1	1	1	1	1
	TYPE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE	DIS- POSABLE
COMPRESSOR INPUT - KW		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COMP. NO.		1	1	1	1	1	1	1	1	1	1
TOTAL UNIT / FLA		14.77	15.97	16.47	15.97	15.97	15.97	15.97	15.97	15.97	12.77
EER		7.95	7.95	7.45	7.45	7.45	7.45	7.45	7.45	7.45	7.45
VOLTS - PHASE		460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ	460-3φ
OPERATING WEIGHT - LBS		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
VIBRATION ISOLATION		INT	INT	INT	INT	INT.	INT.	INT.	INT.	INT.	INT

REMARKS: ① OPTIONAL MOTOR

APPROVED FIRE AND PANIC ONLY

A 4927

Drawn By S.S.	Revisions
Checked By G.M.	
Date MARCH, 1988	
Commission No. 1-30-05	1 BID JANUARY 1991

Nack & Sunderland / Engineers

Los Angeles, Calif. Newport Beach, Calif.

M-10710

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C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca — San Diego County

SCHDULE

Sheet Number M-3

12801 Sheets

INCREMENT 2

AIR CONDITIONER SCHEDULE

		AC-61	AC-62	AC-63	AC-64	AC-65	AC-66	AC-67	AC-68	AC-69	AC-70	AC-71
UNIT SYMBOL		AC-61	AC-62	AC-63	AC-64	AC-65	AC-66	AC-67	AC-68	AC-69	AC-70	AC-71
LOCATION		ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"2"	ROOF BLDG"2"	ROOF BLDG"2"	ROOF BLDG"2"	ROOF BLDG"7"	ROOF BLDG"2"
MANUFACTURER		CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER
MODEL		48LDT 004	48LDT 004	48LDT 005	48LDT 005	48LDT 006	48KLA 130	48LV 008	48HD 007	48LV 008	48LDT 006	48LDT 006
TYPE		PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE
BLOWER CFM		900	900	1350	1350	2000	950	3000	2200	3000	2000	1900
EXTERNAL S.P. - "WG		.50	.50	.70	.70	.55	.40	.70	.60	.70	.70	.66
FAN - HP		1/3	1/3	3/4	3/4	1 ①	1/2	1 1/2 ①	1	1 1/2 ①	1.0	1.0 ①
EVAP. EAT - °F - DB		78	78	78	78	78	78	78	78	78	78	78
EVAP. EAT - °F - WB		63	63	63	63	63	63	63	63	63	63	63
COND. EAT - °F - DB		105	105	105	105	105	105	105	105	105	105	105
COOLING CAPACITY - MBH		28.8	28.8	43.6	43.6	50.3	25.5	80.5	59.8	80.5	47.0	51.8
SEN. LOAD - MBH		24.5	24.5	38.2	38.2	50.2	24.1	73.1	55	73.1	46.9	43.1
HEATING SYSTEM		GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS
HEATING INPUT - MBH		80	80	80	80	80	40	114	120	114	80	80
OUTSIDE AIR - CFM		160	160	330	330	1100	170	520	430	385	300	300
CURB		PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB
FILTER	SIZE "L X"H X"L	25x20x1 25x16x1	25x20x1 25x16x1	25x20x1 25x16x1	25x20x1 25x16x1	25x20x1 25x16x1	522 IN²	20x16x1 20x20x1	25x16x1 25x20x1	20x16x1 20x20x1	25x16x1 25x20x1	25x16x1 25x20x1
	QUANTITY	1	1	1	1	1	1	2	1	2	1	1
	TYPE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE
COMPRESSOR INPUT - KW		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COMP. NO.		1	1	1	1	1	1	1	1	1	1	1
TOTAL UNIT / FLA		12.77	11.07	14.77	14.77	16.47	17.8	20.57	16.57	20.57	16.47	16.47
EER		7.8	7.8	7.95	7.95	7.45	8.5	9.2	8.2	9.2	7.45	7.45
VOLTS - PHASE		460-3Φ	460-3Φ	460-3Φ	460-3Φ	460-3Φ	208-1Φ	460-3Φ	460-3Φ	460-3Φ	460-3Φ	460-3Φ
OPERATING WEIGHT - LBS		1000	1000	1000	1000	1000	500	1400	1200	1400	1000	1000
VIBRATION ISOLATION		INT	INT	INT	INT	INT	INT	INT	INT	INT	INT	INT

		AC-72	AC-73	AC-74	AC-75	AC-76	AC-77	AC-78	AC-79	AC-80	AC-81	AC-82
UNIT SYMBOL		AC-72	AC-73	AC-74	AC-75	AC-76	AC-77	AC-78	AC-79	AC-80	AC-81	AC-82
LOCATION		ROOF BLDG"10"	ROOF BLDG"10"	ROOF BLDG"10"	ROOF BLDG"10"	ROOF BLDG"10"	ROOF BLDG"10"	ROOF BLDG"10"	ROOF BLDG"10"	ROOF BLDG"10"	ROOF BLDG"10"	ROOF BLDG"10"
MANUFACTURER		CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER
MODEL		48LDT 006	48LDT 005	48KLA 124	48LV 008	48LDT 004	48LDT 006	48LDT 005	48HD 007	48HD 007	48LV 008	48LDT 006
TYPE		PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE	PACKAGE
BLOWER CFM		1900	1550	780	2500	900	2000	1500	1800	1800	2600	1995
EXTERNAL S.P. - "WG		0.7	0.62	0.5	1.0	1.0	0.7	0.6	0.7	0.7	0.7	0.6
FAN - HP		1	3/4	3/4	1 1/2	3/4	1	3/4	1	1	1 1/2	1
EVAP. EAT - °F - DB		79.6	75.5	83	78	79	79	78	77	77	78	77
EVAP. EAT - °F - WB		64	64	64	63	64	64	63	63	63	63	63
COND. EAT - °F - DB		105	105	105	105	105	105	105	105	105	105	105
COOLING CAPACITY - MBH		53.5	38.4	20.7	79.3	80.7	53.5	42.9	60.3	60.3	80.1	52.4
SEN. LOAD - MBH		46	33.2	17.9	64.8	24	46	35.6	48	48	67.8	43
HEATING SYSTEM		GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS
HEATING INPUT - MBH		80	80	80	114	80	80	80	120	120	114	80
OUTSIDE AIR - CFM		550	60	300	560	240	500	60	300	300	600	202
CURB		PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB
FILTER	SIZE "L X"H X"L	1x16x25 1x20x25	1x16x25 1x20x25	1x16x25 1x20x25	20x16x1 20x20x1	1x16x25 1x20x25	1x16x25 1x20x25	1x25x20 1x16x25	1x16x25 1x20x25	1x16x25 1x20x25	20x16x1 20x20x1	20x16x1 20x20x1
	QUANTITY	1	1	1	1	1	1	1	1	1	2	2
	TYPE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE	DIS-POSABLE
COMPRESSOR INPUT - KW		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A
COMP. NO.		1	1	1	1	1	1	1	1	1	1	1
TOTAL UNIT / FLA		16.47	14.77	14.4	19.62	12.77	16.47	14.77	16.57	16.57	16.92	16.47
EER		7.45	7.95	7.8	9.2	7.8	7.45	7.95	8.2	8.2	9.2	7.45
VOLTS - PHASE		460-3Φ	460-3Φ	230-1Φ	460-3Φ	460-3Φ	460-3Φ	460-3Φ	460-3Φ	460-3Φ	460-3Φ	460-3Φ
OPERATING WEIGHT - LBS		1000	800	500	1800	1000	1000	1000	1000	1000	1800	1000
VIBRATION ISOLATION		INT	INT	INT	INT	INT	INT	INT	INT	INT	INT	INT

REMARKS:

HEAT PUMP SCHEDULE (AIR TO AIR PACKAGE)

UNIT SYMBOL		HP-1 THRU HP-29	HP-30
LOCATION		ROOF	ROOF
MANUFACTURER		CARRIER	CARRIER
MODEL		50QD 006	50QQ 030
TYPE		PACKAGE	PACKAGE
BLOWER CFM		1500	1200
EXTERNAL S.P. - "WG		0.50	0.50
FAN - HP		3/4	——
CAPACITY - MBH		51	26
SHR %		0.88	0.86
EAT - °F - DB		80	79
EAT - °F - WB		63	63
AMB. TEMP. - °F		105	105
EER		7.5	8.9
CAPACTY MBH		43	29.4
EAT - °F - DB		70	70
C O P		2.1	3
FILTER	SIZE "L X"H X"L	16x25x1 20x25x1	15x20x1
	QUANTITY	1	2
	TYPE	DIS-POSABLE	DIS-POSABLE
OUTSIDE AIR-CFM		450	220
COMP. NO.		N.A.	N.A.
TOTAL UNIT / FLA		31.9	18.9
M.C.A.		40	22.1
VOLTS - PHASE		208-3Φ	208-3Φ
OPERATING WEIGHT - LBS		1000	700
VIBRATION ISOLATION		INT	INT

REMARKS:

SUPPLY AIR DIFFUSER SCHEDULE

SYMBOL	DIFFUSER SIZE	BLOW	REMARKS
A	8 X 8	4W	
B	8 X 8	3W	
C	8 X 8	2W	
D	8 X 8	2WC	
E	10 X 10	4W	
F	10 X 10	3W	
G	10 X 10	2W	
H	10 X 10	2WC	
I	12 X 12	4W	
J	12 X 12	3W	
K	12 X 12	2W	
L	12 X 12	2WC	
M	14 X 14	4W	
N	14 X 14	3W	
O	14 X 14	2W	
P	14 X 14	2WC	
Q	16 X 16	4W	
R	16 X 16	3W	
S	16 X 16	2W	
T	16 X 16	2WC	
U	18 X 18	4W	
V	18 X 18	3W	
W	18 X 18	2W	
X	20 X 20	4W	
Y	20 X 20	3W	
Z	20 X 20	2W	

REMARKS:

RETURN AND EXHAUST AIR REGISTER SCHEDULE

SYMBOL	REGISTER SIZE	REMARKS
1	8 X 8	
2	10 X 10	
3	12 X 12	
4	14 X 14	
5	16 X 16	
6	18 X 18	
7	20 X 20	
8	22 X 22	

REMARKS:

APPROVED
FIRE AND PANIC ONLY
20
83
STATE FIRE MARSHAL
SOUTHERN REGION

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 24 198[illegible]

Drawn By S.S.
Checked By G.M.
Date MARCH, 1988
Commission No 1-30-05

Revisions
BID JANUARY 1991

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ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

SCHEDULES

Sheet Number
M-4
12901 Sheets

INCREMENT 2

FAN SCHEDULE

UNIT SYMBOL	EF-1	EF-2	EF-3	EF-4	EF-5	EF-6	EF-7	EF-8	EF-9	EF-10	EF-11 thru 21	EF-22	EF-23	EF-24	EF-25
LOCATION	ROOF BLDG"1"	CEILING BLDG"10"	CEILING BLDG"10"	CEILING BLDG"10"	CEILING BLDG"10"	CEILING BLDG"10"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"11"	ROOF BLDG"3"
MANUFACTURER	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK
MODEL	90LC 10D	GEMINI 6-15	GEMINI 6-15	GEMINI 4-10	GEMINI 6-15	GEMINI 4-15	402LC 8B	402LC 8B	402LC 8B	402LC 8B	402LC 8B	150LC 2B	150LC 2B	225LC 3B	90LC 10D
TYPE	LCH-B	INLINE	INLINE	INLINE	INLINE	INLINE	②	②	②	②	②	LCH-B	LCH-B	LCH-B	LCH-D
SERVICE	RM 108, 109	RM 1030.	RM 1013	RM 1016	RM 1015A	RM 1009A	RM 106 EXH.	RM 100 EXH.	RM 105 EXH.	RM 105 EXH.	RM 103, 114 EXH.	RM 104, 110 EXH.	RM 111	RM 1111, 1112, 1113 EXH.	RM
CFM	398	658	430	70	430	110	9000	9070	9070	9070	9070	790	600	1230	230
STATIC PRESSURE - "WG	.50	.50	.25	.20	.25	.20	.50	.50	.50	.50	.50	.50	.50	.50	.25
RPM	1550	1625	1100	1050	1100	1550	355	355	355	355	355	1005	1120	585	1050
TIP SPEED - FPM	3658	NA	NA	NA	NA	NA	3735	3740	3740	3740	3740	3552	3500	3445	2478
OUTLET VELOCITY - FPM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DRIVE	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	BELT	BELT	BELT	BELT	BELT	BELT	BELT	BELT	DIRECT
CURB	PRE-FAB	NA	NA	NA	NA	NA	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB
FAN CLASS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARRANGEMENT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DISCHARGE	NA	HORIZ.	HORIZ.	HORIZ.	HORIZ.	HORIZ.	NA	NA	NA	NA	NA	NA	NA	NA	NA
WHEEL TYPE	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.
OPERATING WEIGHT - LBS	150	100	100	50	80	80	400	400	400	400	400	200	150	250	150
HP	149W	1/4	1/4	25W	1/4	35W	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1/6	1/6	1/4	95W
VOLTS - PHASE	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	460-3Φ	460-3Φ	460-3Φ	460-3Φ	460-3Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ
VIBRATION ISOLATION	N.A.	SPRING ISOLA.	SPRING ISOLA.	SPRING ISOLA.	SPRING ISOLA.	SPRING ISOLA.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

UNIT SYMBOL	EF-26	EF-27	EF-28	EF-29	EF-30	EF-31	EF-32	EF-33	EF-34	EF-35	EF-36	EF-37	EF-38	EF-39	EF-40
LOCATION	ROOF BLDG"7"	ROOF BLDG"7"	ROOF BLDG"4"	ROOF BLDG"4"	ROOF BLDG"5"	ROOF BLDG"5"	ROOF BLDG"5"	ROOF BLDG"5"	ROOF BLDG"5"	ROOF BLDG"5"	ROOF BLDG"6"	ROOF BLDG"6"	ROOF BLDG"6"	ROOF BLDG"6"	ROOF BLDG"6"
MANUFACTURER	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK
MODEL	210LC 4B	100LC 10D	90LC 15D	100LC 10D	100LC 10D	100LC 2B	150LC 2B	70LC 15D	165LC 3B	245LC 5B	70LC 15D	120LC 2B	90LC 10D	90LC 10D	90LC 10D
TYPE	LCH-B	LCH-D	LCH-D	LCH-D	LCH-D	LCH-B	LCH-B	LCH-D	LCH-B	LCH-B	LCH-D	LCH-B	LCH-B	LCH-B	LCH-B
SERVICE	RM 701, 702, 711 EXH	RM 712 EXH.	RM 417, 418 420 EXH.	RM 419 EXH.	RM 503, 504 EXH.	RM 502 EXH.	RM 513 EXH.	RM 510 EXH.	RM 509 EXH.	RM 505 EXH.	RM 614, 615 EXH.	RM 616 EXH.	RM 613 EXH.	RM 613 EXH.	RM 613 EXH.
CFM	2121	291	398	290	290	623	1000	145	1400	3000	145	780	230	230	230
STATIC PRESSURE - "WG	.50	.25	.50	.25	.25	.25	.375	.25	.375	.50	.25	.25	.25	.25	.25
RPM	675	1050	1550	1550	1550	1310	817	1550	792	540	1550	1040	1050	1050	1050
TIP SPEED - FPM	3711	2751	3658	2751	2751	3429	3203	2837	3415	3475	2837	3300	2478	2478	2478
OUTLET VELOCITY - FPM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DRIVE	BELT	DIRECT	DIRECT	DIRECT	DIRECT	BELT	BELT	DIRECT	BELT	BELT	DIRECT	BELT	DIRECT	DIRECT	DIRECT
CURB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB
FAN CLASS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARRANGEMENT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DISCHARGE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WHEEL TYPE	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.
OPERATING WEIGHT - LBS	250	150	150	150	150	150	280	150	230	360	150	170	150	150	150
HP	1/4	107W	149W	149W	149W	1/6	1/6	103W	1/6	1/2	103W	1/6	95W	95W	95W
VOLTS - PHASE	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ
VIBRATION ISOLATION	N.A.	N.A.	N.A.	N.A.	N.A	N.A.	N.A	N.A.	N.A	N.A	N.A	N.A.	N.A.	N.A.	N.A

REMARKS:

FAN SCHEDULE

UNIT SYMBOL	EF-41	EF-42	EF-43	EF-44	EF-45	EF-46	EF-47	EF-48	EF-49	EF-50	EF-51①	EF-52①	EF-53①	EF-54	EF-55
LOCATION	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"12"	ROOF BLDG"1"	ROOF BLDG"1"
MANUFACTURER	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK
MODEL	150LC 2B	150LC 2B	120LC 2B	150LC 2B	150LC 2B	150LC 2B	100LC 2B	150LC 2B	135LC 2B	150LC 2B	120 SCA-4	120 SCA-4	120 SCA-4	100LC 2B	90LC 10D
TYPE	LCH-B	LCH-B	LCH-B	LCH-B	LCH-B	LCH-B	LCH-B	LCH-B	LCH-B	LCH-B	AIRFOIL	AIRFOIL	AIRFOIL	LCH-B	LCH-D
SERVICE	RM 1201	RM 1202	RM 1205	RM 1204	RM 1207	RM 1208	RM 1214 & 1215	RM 1211	RM 1210	RM 1209	RM 1208	RM 1212	RM 1211	RM 147, 148	RM 139
CFM	1177	1177	755	1177	1177	1177	531	1177	967	1177	747	747	747	430	230
STATIC PRESSURE - "WG	.25	.25	.25	.25	.25	.25	.375	.25	.25	.25	.875	.875	.875	0.25	0.25
RPM	815	815	1020	815	815	815	1310	815	915	815	1487	1487	1487	1090	1050
TIP SPEED - FPM	3200	3200	3204	3200	3200	3200	3429	3200	3233	3200	4594	4594	4594	2853	2478
OUTLET VELOCITY - FPM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	900	900	900	N.A.	N.A.
DRIVE	BELT	BELT	BELT	BELT	BELT	BELT	BELT	BELT	BELT	BELT	BELT	BELT	BELT	BELT	BELT
CURB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	NA	NA	NA	PRE-FAB	PRE-FAB
FAN CLASS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	1	1	N.A.	N.A.
ARRANGEMENT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10SWSI	10SWSI	10SWSI	N.A.	N.A.
DISCHARGE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	UP-BLAST	UP-BLAST	UP-BLAST	N.A.	N.A.
WHEEL TYPE	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.
OPERATING WEIGHT - LBS	200	200	100	200	200	200	150	200	150	200	200	200	200	150	150
HP	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/3	1/3	1/3	1/6	95W
VOLTS - PHASE	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ
VIBRATION ISOLATION	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	SPRING ISOLATOR	SPRING ISOLATOR	SPRING ISOLATOR	N.A.	N.A.

UNIT SYMBOL	EF-56	EF-57	EF-58	EF-59	EF-60	EF-61	EF-62	EF-63	EF-64	EF-65	EF-66	EF-67	EF-68	EF-69	EF-70
LOCATION	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"8"	ROOF BLDG"8"	ROOF BLDG"8"	ROOF BLDG"13"	ROOF BLDG"14"	ROOF BLDG"14"	ROOF BLDG"4"	ROOF BLDG"4"	ROOF BLDG"4"	ROOF BLDG"4"	ROOF BLDG"2"
MANUFACTURER	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK
MODEL	100LC 2B	70LC 15D	70LC 15D	120LCLB	70LC 15D	70LC 15D	70LC 15D	90LC 10D	90LC 10D	70LC 15D	180V6B	180V6B	180V6B	70LC 15D	135LC 2B
TYPE	LCH-B	LCH-D	LCH-D	LCH-B	LCH-D	LCH-D	LCH-D	LCH-C	LCH-C	LCH-D	VCR	VCR	VCR	LCH-D	LCH-B
SERVICE	RM 136, 135	RM 126	RM 126	ELECT. RM# 161A	RM 808 EXH.	RM 810 EXH.	RM 805 EXH.	RM 613	RM 613	RM 615, 614	RM 401	RM 401	RM 401	RM 510	RM 231, 232
CFM	430	145	145	650	190	145	145	230	230	145	2100	2100	2600	200	700
STATIC PRESSURE - "WG	0.25	0.25	0.25	0.25	.125	.25	.25	0.25	0.25	0.25	1	1	1	0.125	0.375
RPM	1090	1550	1550	930	1550	1550	1550	1050	1050	1550	1035	1035	1080	1550	880
TIP SPEED - FPM	2853	2837	2837	2921	2837	2837	2837	2478	2478	2837	4875	4875	5087	2837	3125
OUTLET VELOCITY - FPM	N.A	N.A.	N.A.	N.A.	NA	NA	NA	N.A.	N.A.	N.A	N.A.	N.A.	N.A	N.A.	N.A.
DRIVE	BELT	DIRECT	DIRECT	BELT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	BELT	BELT	BELT	DIRECT	BELT
CURB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB
FAN CLASS	N.A.	N.A.	N.A.	N.A.	NA	NA	NA	N.A.	N.A.	N.A	N.A.	N.A.	N.A.	N.A.	N.A.
ARRANGEMENT	N.A.	N.A.	N.A.	N.A	NA	NA	NA	N.A.	N.A.	N.A.	N.A.	N.A.	N.A	N.A.	N.A.
DISCHARGE	N.A.	N.A.	N.A.	N.A.	NA	NA	NA	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
WHEEL TYPE	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT.	CENT	CENT	CENT	CENT.	CENT.
OPERATING WEIGHT - LBS	150	150	150	150	150.	150	150	150	150	150	150	150	150	130	200
HP	1/6	103W	95W	1/6	103W	103W	103W	95W	95W	103W	3/4	3/4	3/4	103W	1/6
VOLTS - PHASE	115-1Φ	115-1Φ	115-1Φ	120-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	460-3Φ	460-3Φ	460-3Φ	115-1Φ	115-1Φ
VIBRATION ISOLATION	N.A.	N.A.	N.A	N.A	NA	NA	NA	N.A	N.A	N.A	N.A	N.A	N.A.	N.A.	N.A.

REMARKS: ① END OF THE FAN'S SHAFT SHALL BE DRILLED FOR INSTALLATION OF ZERO SPEED SWITCH.

② EXHAUST FAN WITHOUT BACK DRAFT DAMPER

APPROVED
FIRE AND PANIC ONLY

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY
A 49275 JUN 1988
APPLICATION NO.

Drawn By S.S.
Checked By G.M.
Date MARCH, 1988
Commission No. 1-30-05

Revisions
BID JANUARY 1991

Nack & Sunderland / Engineers
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ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

SCHEDULES

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M-5
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INCREMENT 2

FAN SCHEDULE

UNIT SYMBOL	EF-71	EF-72	EF-73	EF-74	EF-75	EF-76	EF-77	EF-78	EF-79	EF-80	EF-81	EF-82	EF-83	EF-84	EF-85	EF-86
LOCATION	ROOF BLDG"2"	ROOF BLDG"2"	ROOF BLDG"2"	ROOF BLDG"2"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"1"	OMITTED
MANUFACTURER	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	
MODEL	90LC 10D	70LC 15D	70LC 15D	100LC 2B	100LC 2B	90LC 10D	225LC 4B	165LC 2B	195LC 2B	225LC 4B	195LC 3B	165LC 2B	70LC 5D	120LC 2B	150LC 2B	
TYPE	LCH-D	LCH-D	LCH-D	LCH-B	LCH-B	LCH-D	LCH-B	LCH-B	LCH-B	LCH-B	LCH-B	LCH-B	LCH-D	LCH-B	LCH-B	
SERVICE	RM 218	RM 213	RM 206	RM 223	RM 112, 113	RM 107	RM 119,118,123	RM 122	RM 127	RM	RM 130 125,126,128	RM 132	RM 129	RM 116	RM 112A	
CFM	230	145	145	450	530	230	2530	1200	1600	2530	960	1200	145	790	1300	
STATIC PRESSURE - "WG	.25	.25	.25	.25	.375	.25	.375	.375	.375	.375	.50	.375	.25	.25	.25	
RPM	1050	1550	1550	1090	1310	1050	595	740	630	595	680	740	1550	1162	875	
TIP SPEED - FPM	2478	2837	2837	2853	3429	2478	3504	3196	3241	3504	3455	3196	2837	3300	3400	
OUTLET VELOCITY - FPM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
DRIVE	DIRECT	DIRECT	DIRECT	BELT	BELT	BELT	BELT	BELT	BELT	BELT	BELT	BELT	DIRECT	BELT	BELT	
CURB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	
FAN CLASS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ARRANGEMENT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
DISCHARGE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
WHEEL TYPE	CENT	CENT	CENT.	CENT	CENT	CENT	CENT	CENT	CENT	CENT	CENT	CENT	CENT	CENT	CENT	
OPERATING WEIGHT - LBS	150	150	150	150	150	150	350	210	300	350	250	210	130	180	200	
HP	95W	103W	103W	1/6	1/6	95W	1/3	1/6	1/6	1/3	1/4	1/6	103W	1/6	1/6	
VOLTS - PHASE	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	
VIBRATION ISOLATION	N.A.	N.A	N.A.	N.A.	N.A.	N.A	N.A.	N.A	N.A.	N.A	N.A.	N.A	N.A	N.A	N.A	

UNIT SYMBOL	EF-87	EF-88	EF-89	EF-90	EF-91	EF-92	EF-93	EF-94	EF-95	EF-96	EF-97	EF-98	EF-99	EF-100	EF-101
LOCATION	ROOF BLDG"2"	ROOF BLDG"3"	ROOF BLDG"11"	ROOF BLDG"4"	ROOF BLDG"5"	ROOF BLDG"6"	ROOF BLDG"7"	ROOF BLDG"9"	ROOF BLDG"8"	ROOF BLDG"12"	ROOF BLDG"13"	ROOF BLDG"14"	ROOF BLDG"10"	ROOF BLDG"5"	ROOF BLDG"10"
MANUFACTURER	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK
MODEL	90LC 10D	100LC 2B	90LC 10D	120LC 2B	120LC 2B	100LC 2B	100LC 2B	90LC 10D	100LC 2B	100LC 2B	70LC 15D	70LC 15D	GEMINI 8-10	245LC 5B	100LC 2B
TYPE	LCH-D	LCH-B	LCH-D	LCH-B	LCH-B	LCH-B	LCH-B	LCH-B	LCH-B	LCH-B	LCH-D	LCH-D	INLINE	LCH-B	LCH-B
SERVICE	RM 227	RM 312	RM 1114	RM 408	RM 510	RM 607	RM 710	RM 912	RM 809	RM 1217	RM 1308	RM 1411	RM 1007 1005,4,6	RM 505	RM 1001
CFM	291	454	230	790	790	454	454	230	454	454	145	145	882	3000	454
STATIC PRESSURE - "WG	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.50	.50	.25
RPM	1050	1090	1050	1162	1162	1090	1090	1050	1090	1090	1550	1550	1075	540	1090
TIP SPEED - FPM	2791	2382	2837	3300	3300	2382	2382	2837	2382	2382	2837	2837	NA	3475	2382
OUTLET VELOCITY - FPM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DRIVE	DIRECT	BELT	DIRECT	BELT	BELT	BELT	BELT	BELT	BELT	BELT	DIRECT	DIRECT	DIRECT	BELT	BELT.
CURB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	NA	PRE-FAB	PRE-FAB
FAN CLASS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARRANGEMENT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DISCHARGE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	HORIZ.	NA	NA
WHEEL TYPE	CENT	CENT	CENT	CENT	CENT	CENT	CENT	CENT	CENT	CENT	CENT	CENT	CENT	CENT	CENT
OPERATING WEIGHT - LBS	150	150	150	180	180	180	150	150	150	150	150	150	100	360	150
HP	107W	1/6	95W	1/6	1/6	1/6	1/6	95W	1/6	1/6	103W	103W	1/3	1/2	1/6
VOLTS - PHASE	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ
VIBRATION ISOLATION	N.A	N.A	N.A	N.A.	N.A	N.A.	N.A	N.A	N.A.	N.A.	N.A.	N.A	SPRING ISOLA.	N.A.	N.A

REMARKS:

FAN SCHEDULE

UNIT SYMBOL	EF-102	EF-103	EF-104	EF-105,107	EF-106	SF-1	SF-2	SF-3
LOCATION	ROOF BLDG"1"	ROOF BLDG"1"	ROOF BLDG"2"	ROOF BLDG"12"	CEILING BLDG"10"	CEILING BLDG"12"	CEILING BLDG"12"	CEILING BLDG"12"
MANUFACTURER	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK
MODEL	90LC 15D	70LC 15D	100LC 10D	100 LC 10 D	GEMINI 4-15	GEMINI 6-15	GEMINI 6-15	GEMINI 6-15
TYPE	LCH-D	LCH-D	LCH-D	LCH-D	INLINE	INLINE	INLINE	INLINE
SERVICE	RM 115	RM 106	RM 228,229	RM 1216	RM 1014	ROOM 1208	ROOM	ROOM
CFM	477	145	290	290	110	499	499	499
STATIC PRESSURE - "WG	.375	.25	.25	.25	.20	.75	.75	.75
RPM	1550	1550	1550	1550	1550	1625	1625	1625
TIP SPEED - FPM	3658	2837	2751	2751	NA	NA	NA	NA
OUTLET VELOCITY - FPM	NA	NA	NA	NA	NA	NA	NA	NA
DRIVE	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
CURB	PRE-FAB	PRE-FAB	PRE-FAB	PRE-FAB	NA	NA	NA	NA
FAN CLASS	NA	NA	NA	NA	NA	NA	NA	NA
ARRANGEMENT	NA	NA	NA	NA	NA	NA	NA	NA
DISCHARGE	NA	NA	NA	NA	HORZ.	HORIZ.	HORIZ.	HORIZ.
WHEEL TYPE	CENT	CENT	CENT	CENT	CENT	CENT.	CENT.	CENT.
OPERATING WEIGHT - LBS	150	100	150	150	80	90	90	90
HP	149W	103W	149W	149 W	35 W	1/4	1/4	1/4
VOLTS - PHASE	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ	115-1Φ
VIBRATION ISOLATION	N.A.	N.A	N.A	N.A	SPRING ISOLATOR	SPRING ISOLA.	SPRING ISOLA.	SPRING ISOLA.

REMARKS:

PUMP SCHEDULE

UNIT SYMBOL		P-1	P-2
LOCATION		CHILLER YARD	BOILER ROOM
MANUFACTURER		B&G	B&G
MODEL		2BC	2AC
TYPE		1510	1510
SERVICE		CHILLED WATER	HOT WATER
GPM		206	88
HEAD - FT WG		78	34
IMPELLER SIZE - INCH		9 1/4	6 1/4
MINIMUM EFFICIENCY - %		71	62
RPM		1750	1750
HP		7 1/2	2
VOLTS - PHASE		460-3Φ	460-3Φ
OPERATING WEIGHT - LBS		400	200
VIBRATION ISOLATION	BASE TYPE	A	A
	DEFLECTION	NA	1.0
	ISOLATOR TYPE	NA	MS

REMARKS:

EXPANSION TANK SCHEDULE

UNIT SYMBOL	ET-1	ET-2
LOCATION	CHILLER YARD	BOILER ROOM
MANUFACTURER	B&G	B&G
MODEL	15	60
TYPE	CLOSED	CLOSED
TANK VOLUME - GAL	15	60
ACCEPTANCE VOLUME - GAL	NA	NA
TANK SIZE "L X "DIAM.	33 X 12	72 X 16
CHARGE PRESSURE - PSI	NA	NA
PRV SETTING - PSI	16	16
RELIEF PRESSURE - PSI	100	25
OPERATING WEIGHT - LBS	200	650

REMARKS:

APPROVED FIRE AND PANIC ONLY
STATE FIRE MARSHAL
SOUTHERN REGION

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 28 1988
APPROVAL
APPLICATION NO

Drawn By S.S.
Checked By Q.M.
Date MARCH, 1988
Commission No. 1-30-05

Revisions
BID JANUARY 1991

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Los Angeles, Calif. Newport Beach, Calif.
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ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

SCHEDULES

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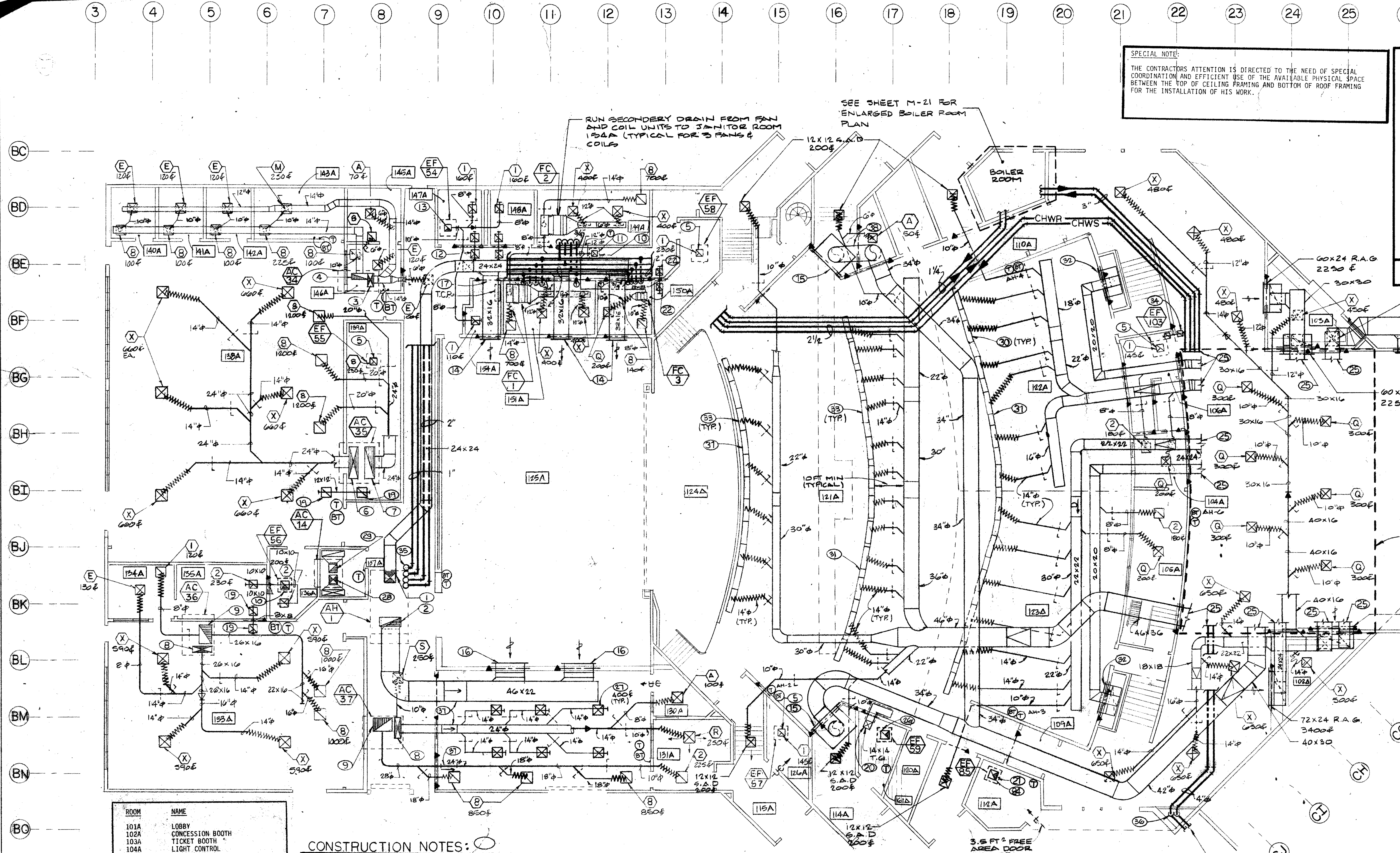
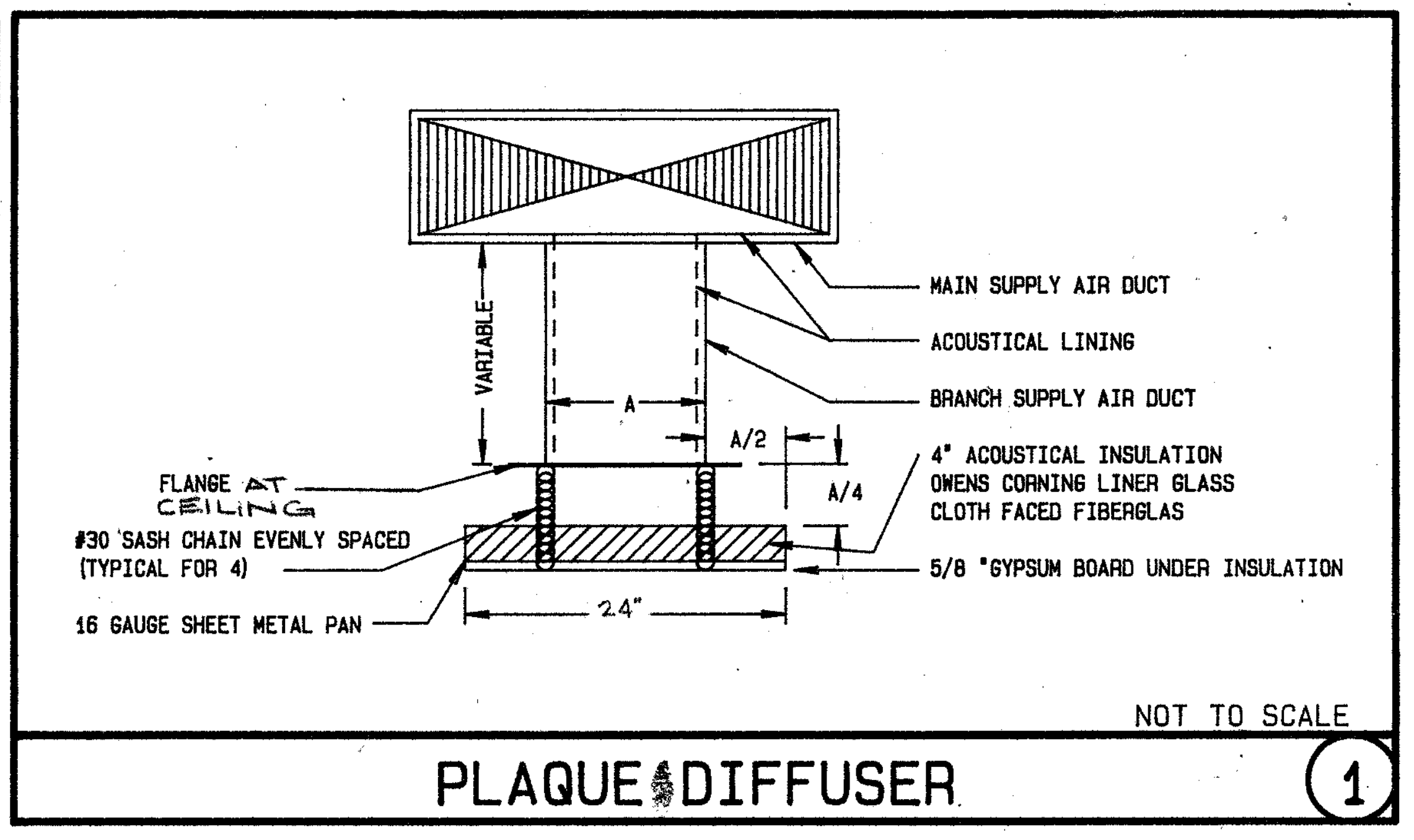
M-6
131 Of Sheets

INCREMENT 2

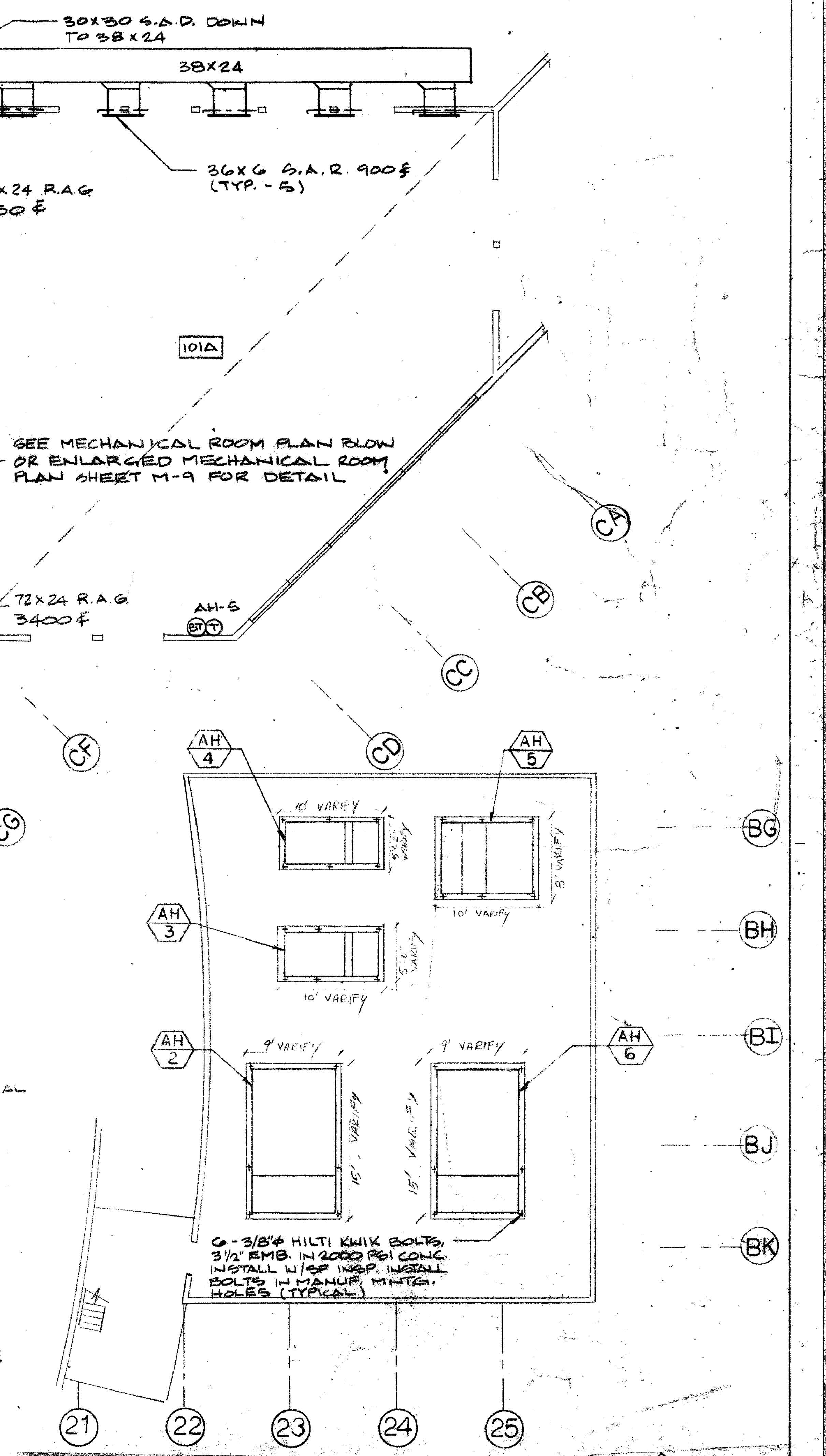

RUN SECONDERY DRAIN FROM FAN AND COIL UNITS TO JANITOR ROOM 154A (TYPICAL FOR 3 FANS & COILS)
SEE SHEET M-21 FOR ENLARGED BOILER ROOM PLAN
BOILER ROOM
CHWR
CHWS
10FT MIN (TYPICAL)
121A
124A
125A
122A
123A
110A
60X24 R.A.G 2250£
30X30
30X30 S.A.D. DOWN TO 38X24
38X24
36X6 S.A.R. 900£ (TYP. - 5)
60X24 R.A.G. 2250£
SEE MECHANICAL ROOM PLAN BLOW OR ENLARGED MECHANICAL ROOM PLAN SHEET M-9 FOR DETAIL
72X24 R.A.G. 3400£
46X22
12X12 S.A.D 200£
3.5 FT² FREE AREA DOOR LOUVER
FOR CONTINUATION, SEE PARTIAL SITE PLAN SHEET M-21

SPECIAL NOTE:

THE CONTRACTORS ATTENTION IS DIRECTED TO THE NEED OF SPECIAL COORDINATION AND EFFICIENT USE OF THE AVAILABLE PHYSICAL SPACE BETWEEN THE TOP OF CEILING FRAMING AND BOTTOM OF ROOF FRAMING FOR THE INSTALLATION OF HIS WORK.


MAIN SUPPLY AIR DUCT
ACOUSTICAL LINING
BRANCH SUPPLY AIR DUCT
4" ACOUSTICAL INSULATION OWENS CORNING LINER GLASS CLOTH FACED FIBERGLAS
5/8 "GYPSUM BOARD UNDER INSULATION
VARIABLE
A
A/2
A/4
24"
FLANGE AT CEILING
#30 SASH CHAIN EVENLY SPACED (TYPICAL FOR 4)
16 GAUGE SHEET METAL PAN
NOT TO SCALE

PLAQUE & DIFFUSER ①


AH 4
AH 5
AH 3
AH 2
AH 6
10' VARIFY
9' VARIFY
6 - 3/8"∅ HILTI KWIK BOLTS, 3 1/2" EMB. IN 2000 PSI CONC. INSTALL W/ SP. INSP. INSTALL BOLTS IN MANUF. MNTG. HOLES (TYPICAL)
101A
BG
BH
BI
BJ
BK
21
22
23
24
25

MECHANICAL ROOM PLAN

SCALE: 1/8" = 1'-0"

ROOM	NAME
101A	LOBBY
102A	CONCESSION BOOTH
103A	TICKET BOOTH
104A	LIGHT CONTROL
105A	SOUND CONTROL
106A	STORAGE
107A	LANDING
108A	LANDING
109A	VEST.
110A	VEST.
111A	STORAGE
112A	ELECT.
113A	VEST.
114A	VEST.
115A	VEST.
116A	VEST.
117A	VEST.
118A	VEST.
119A	OPERABLE WALL STORAGE
120A	OPERABLE WALL STORAGE
121A	CLASSROOM/THEATER SEATING
122A	CLASSROOM/THEATER SEATING
123A	CLASSROOM/THEATER SEATING
124A	ORCH. PT.
125A	STAGE
126A	TELE./STORAGE
127A	STAIR
128A	PASSAGE
129A	PASSAGE
130A	OFFICE
131A	CONTROL ROOM
132A	TELECOMMUNICATIONS
133A	CHORUS
134A	OFFICE
135A	MUSIC STORAGE
136A	INSTRUMENT STORAGE
137A	DIMMER CONTROL
138A	INSTRUMENTAL MUSIC
139A	INSTRMT. STORAGE
140A	PRACTICE
141A	PRACTICE
142A	PRACTICE
143A	PRACTICE
144A	COSTUME STORAGE
145A	PRACTICE
146A	OFFICE
147A	BOYS
148A	GIRLS
149A	DRESSING ROOM
150A	OFFICE
151A	DRESSING ROOM
152A	WHEEL CHAIR LIFT RM.

CONSTRUCTION NOTES: ○

1. 22X22 ROOF OPENING. 20X20 S.A. DUCT DN. THRU ROOF & TRANSITION TO 24X24 THEN ELBOW
2. 22X48 ROOF OPENING. 20X46 R.A. DUCT DN. THRU ROOF
3. 14X32 ROOF OPENING. 12X30 S.A. DUCT DN. FROM UNIT AND FORM PLENUM.
4. 14X34 ROOF OPENING. 12X32 R.A. DUCT DN. FROM UNIT & FORM PLENUM.
5. 12X12 ROOF OPENING. 8X8 EXHAUST DUCT DN. THRU ROOF TO EXHAUST GRILLE
6. 20X70 ROOF OPENING. 20X68 RA DUCT DN. FROM UNIT AND FORM PLENUM
7. 22X70 ROOF OPENING. 20X68 R.A. DUCT DN. FROM UNIT AND FORM PLENUM
8. 14X44 ROOF OPENING. 12X42 S.A. DUCT DN. FROM UNIT AND FORM PLENUM
9. 28X40 ROOF OPENING. 26X38 R.A. DUCT DN FROM UNIT AND FORM PLENUM
10. 12X12 DUCT U.T.R. TO EF-56.
11. 12X12 OSA DUCT DN. FROM INTAKE UNIT & TRANSITION TO 12"∅, THEN ELBOW
12. 2 - 22X22 TRANSFER GRILLES WITH 22X8 TRANSFER DUCT. TYP. FOR 2 (RM 147 & 148) 160 CFM E.A.
13. 12X12 ROOF OPENING. 10X10 EXHAUST DUCT DN. THRU ROOF AND TRANSITION TO 10"∅ THEN ELBOW
14. 32X16 S.A.R., 1400 CFM. BOTTOM OF GRILLE 16'-0" ABOVE FIN. FLOOR
15. 72X24 RAG. 3300CFM. BOTTOM OF GRILLE SHOULD BE MOUNTED AT A HEIGHT OF 16' FROM + 415' FIN. FLOOR (74"X40"X26" PLENUM AT THE BACK OF RETURN GRILLE)
16. 60X20 R.A.G. 1900 CFM BOTTOM OF GRILLE SHALL BE MOUNTED AT A HEIGHT OF 18'-0" FROM FIN. FLOOR
17. UNDER CUT DOOR IN CUSTODIAL ROOM # 154
18. OMIT
19. 8X8 TRANSFER GRILLE
20. 16X16 TRANSFER DUCT OPENING IN CEILING SPACE W/ FIRE DAMPER & FIRE RATED ENCLOSURE
21. 14X14 ROOF OPENING. PROVIDE 16GA HARDWARE GRADE WIRE CLOTH ON CEILING OPENING
22. 22X22 TRANSFER GRILLE
23. OMIT
24. 18X18 ROOF OPENING 16X16 EXHAUST DUCT DN. FROM UNIT
25. FOR DUCT WORK CONTINUATION, SEE ENLARGED MECH. ROOM PLAN, SHEET M-9
26. 12X12 E.A.G., 12X12 DUCT UP TO EXHAUST FAN, 14X14 ROOF OPENING
27. DROP 14" ROUND DUCT AND INSTALL PLAQUE DIFFUSER SEE DETAIL $\frac{1}{M-8}$ (TYPICAL FOR 6)
28. 20"X20" SUPPLY AIR DUCT DOWN TO 20"X48" SUPPLY AIR OUTLET ANEMOSTAT GC5, GC50, GCSL OR GC50L.
29. 24"X20" RETURN AIR DUCT DOWN TO 20"X48" RETURN AIR OUTLET SIMILAR TO THE SUPPLY OUTLET IN THIS ROOM (SEE NOTE 28)
30. SUPPLY AIR LINEAR DIFFUSER ANEMOSTAT SLAD-75 4 SLOTS 4 FT LONG (TYP.) 320 CFM EACH
31. BLANK OFF SECTIONS THAT ARE NOT USED. (TYPICAL)
32. 20X20 RETURN AIR DUCT DOWN TO 62X24 PLENUM & TO 60X24 RETURN AIR GRILLE
33. SAME AS NOTE 30 BUT 355CFM EACH. (TYPICAL)
34. 12X12 TRANSFER DUCT WITH 12X12 TRANFER GRILLS
35. CHW AND HW PIPES U.T.R. TO AH-1
36. 4" CWS & CWR DOWN TO CHILLER YARD.
37. RAISE THE DUCT TO CLEAR THE LIGHT FIXTURES.
38. OFF-SET THE RETURN DUCT TO CLEAR CAT WALK LANDING

PERFORMING ARTS MECHANICAL FLOOR PLAN

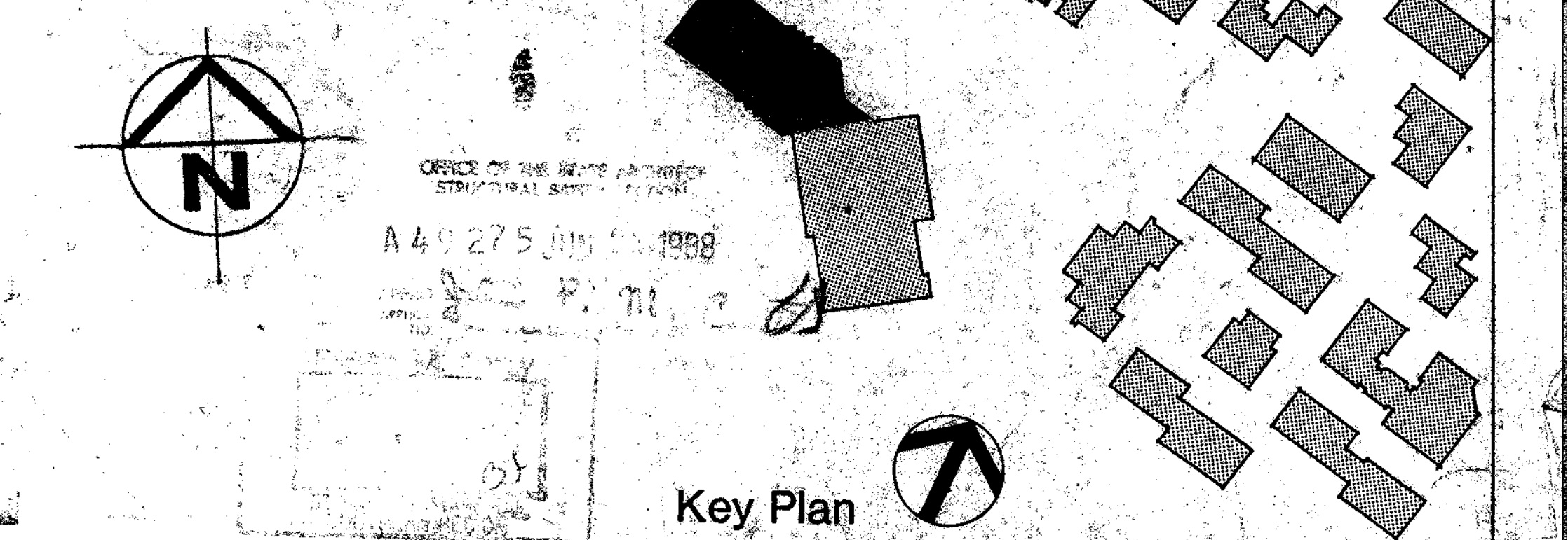
SCALE 1/8" = 1'-0"

NOTE:

1. ENTIRE SUPPLY AND RETURN & TRANSFER DUCTS IN THIS BUILDING SHALL BE LINED. LINING SHALL HAVE FLAME-SPREAD RATING OF MAX 25 AND SMOKE-DEVELOPED RATING OF MAX. 50
2. ENTIRE CHILLED WATER AND HOT WATER IN THIS BUILDING SHALL BE ON SPRING ISOLATOR

GENERAL NOTES:

1. SEE SHEET M-1 FOR ABBREVIATIONS AND SYMBOLS.
2. SEE SHEETS M-2, M-3, M-4, M-5, AND M-6 FOR SCHEDULES.
3. SEE SHEETS M-23, M-24, M-25, AND M-22 FOR DETAILS.
4. SEE SHEETS M-26, M-27, AND M-28 FOR CONTROLS.



Drawn By S.G.
Checked By Q.M.
Date MARCH, 1988
Commission No 1-30-05

Revisions
BID JANUARY 1991

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West Hills High School
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San Diego, Ca San Diego County

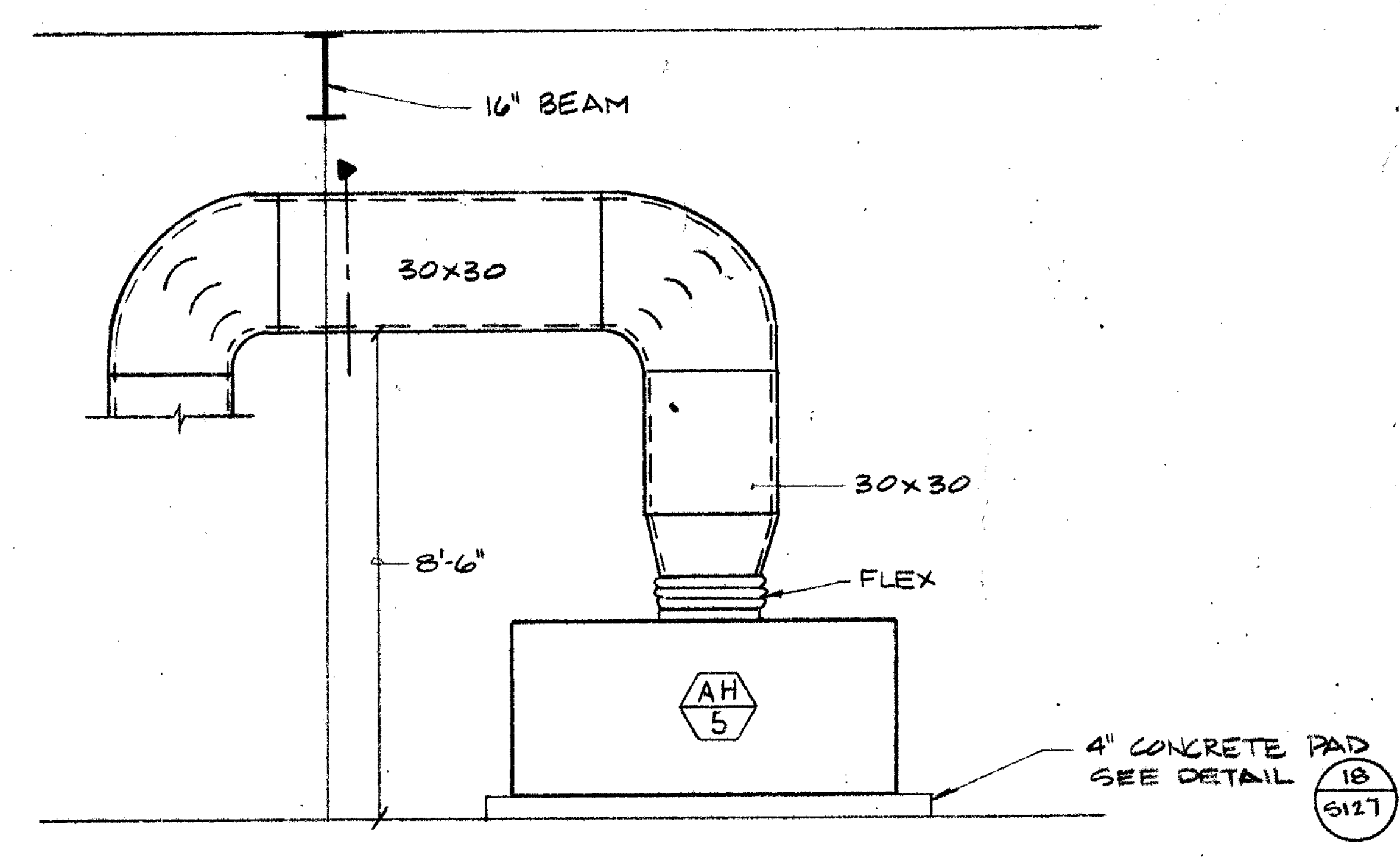
MECH. FLOOR PLAN BLDG. NO. 1- PART B

Sheet Number
M-8
13201 / Sheets

INCREMENT 2

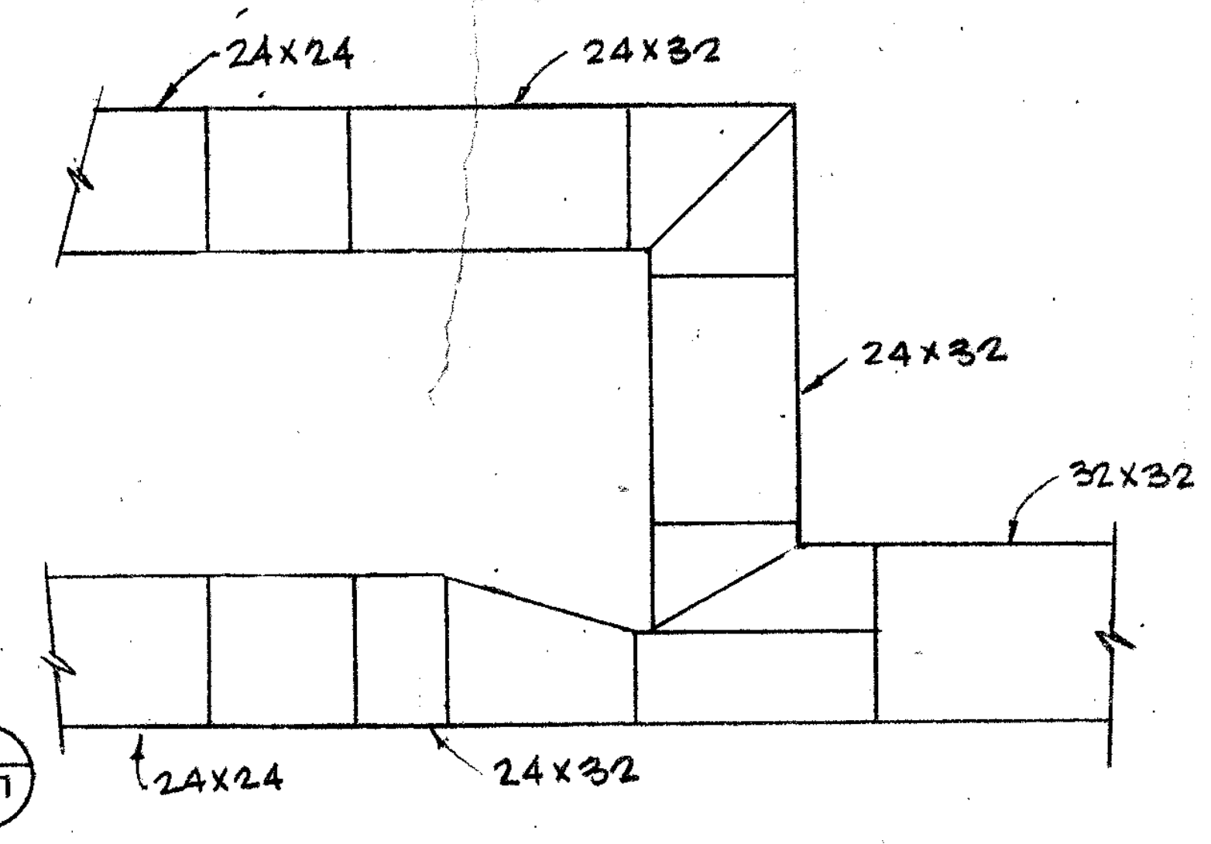
CONSTRUCTION NOTES ○

1. COOK VI INTAKE UNIT. 36 x 54 THROAT AREA. 250 lb., 8400 CFM
2. 38 x 56 ROOF OPENING. PROVIDE 16 GA. HARDWARE GRADE WIRE CLOTH ON 38 x 56 DUCT OPENING
3. COOK VR RELIEF VENT. 36 x 72 THROAT AREA 275 lb., 7200 CFM.
4. FOR CONTINUATION, SEE MECHANICAL FLOOR PLAN, SHEET M-8


16" BEAM
30x30
30x30
8'-6"
FLEX
AH 5
4" CONCRETE PAD SEE DETAIL 18 S127

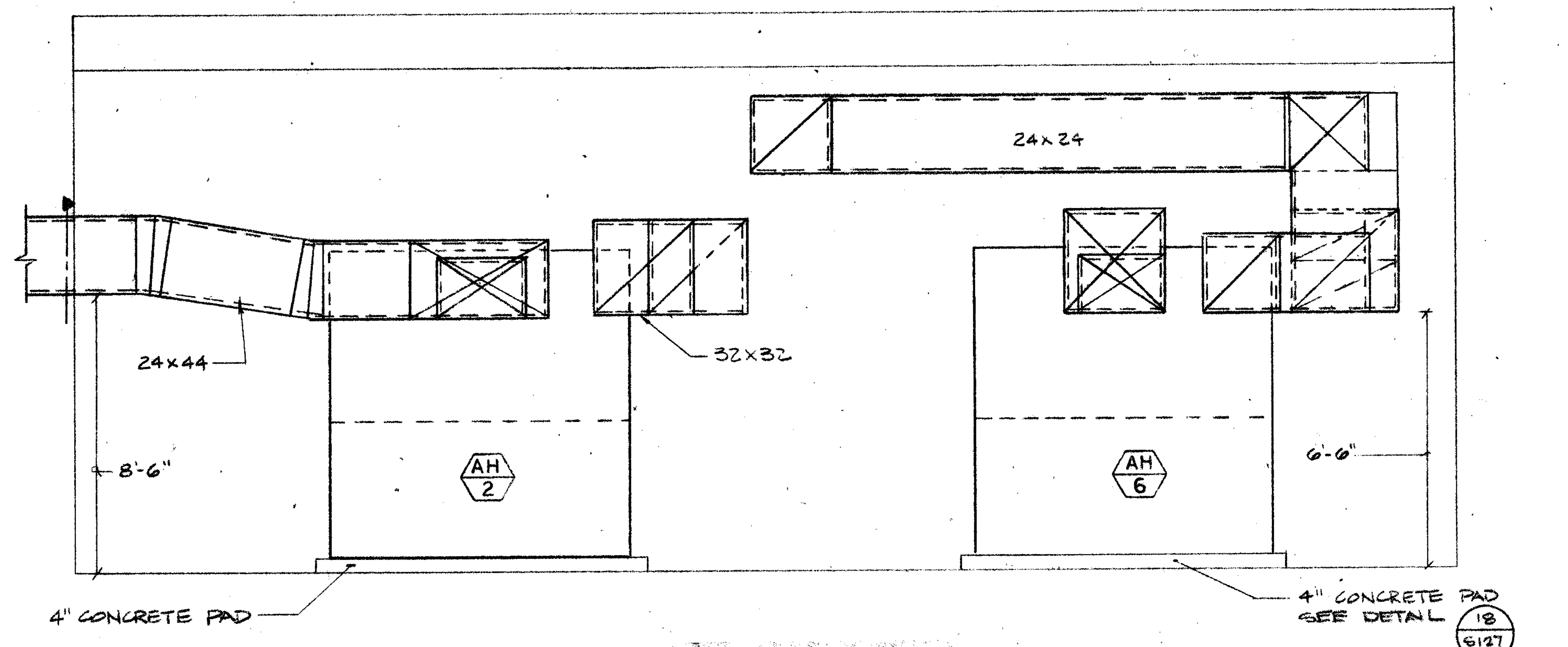
SECTION A-A

SCALE: 3/8"=1'-0"


24x24
24x32
24x32
32x32
24x24
24x32

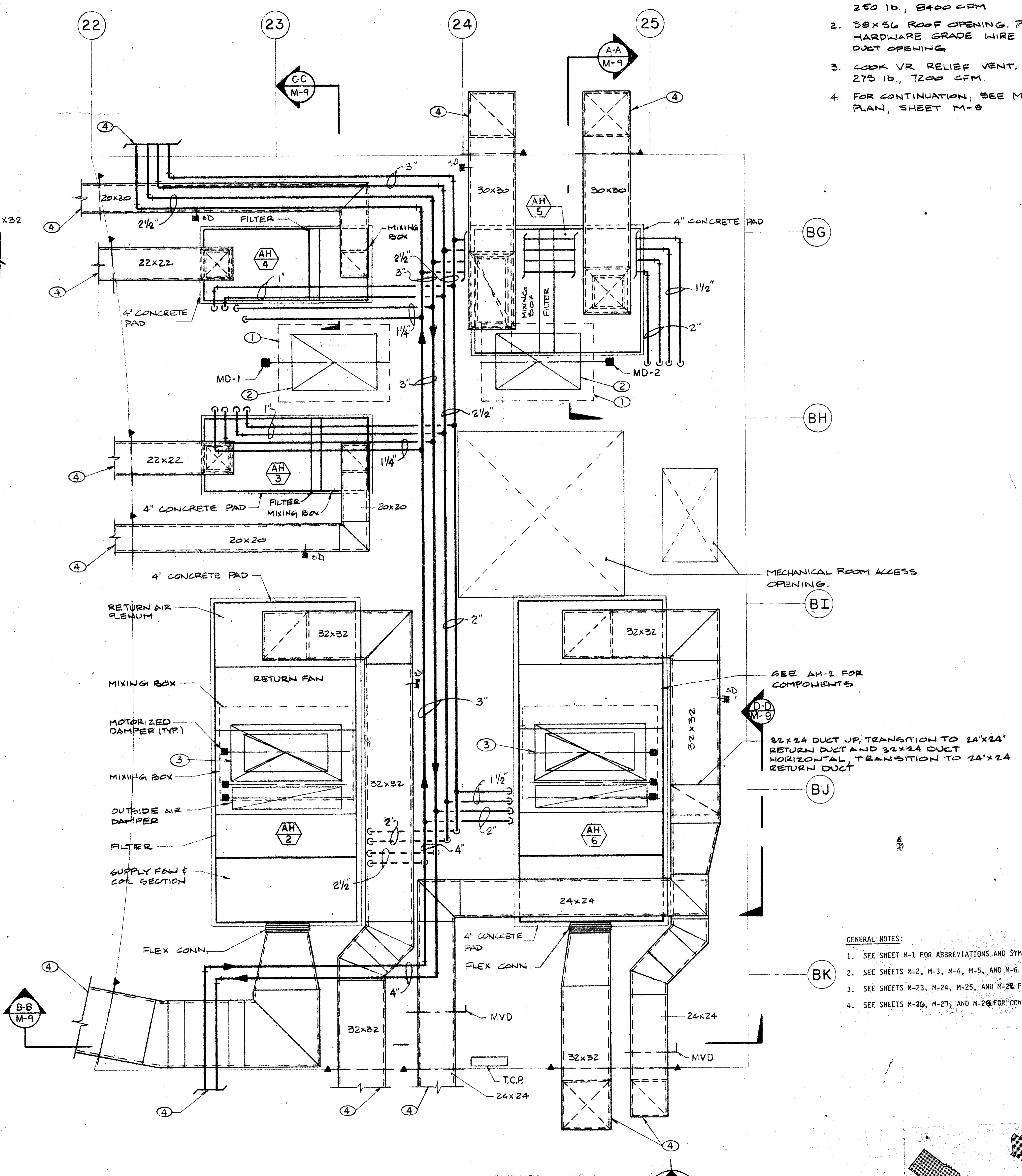
SECTION D-D

SCALE: 3/8"=1'-0"


24x24
24x44
32x32
8'-6"
AH 2
AH 6
6'-6"
4" CONCRETE PAD
4" CONCRETE PAD SEE DETAIL 18 S127

SECTION B-B

SCALE: 3/8"=1'-0"


22
23
24
25
C-C M-9
A-A M-9
D-D M-9
B-B M-9
BG
BH
BI
BJ
BK
④
20x20
22x22
22x22
20x20
20x20
30x30
30x30
AH 4
AH 5
AH 3
AH 2
AH 6
SD
FILTER
MIXING BOX
MIXING BOX
FILTER
4" CONCRETE PAD
4" CONCRETE PAD
4" CONCRETE PAD
FILTER
MIXING BOX
2½"
3"
1"
2½"
3"
1¼"
1½"
2"
3"
2½"
1"
1¼"
2"
3"
MD-1
MD-2
①
②
MECHANICAL ROOM ACCESS OPENING.
RETURN AIR PLENUM
32x32
32x32
RETURN FAN
MIXING BOX
MOTORIZED DAMPER (TYP.)
③
MIXING BOX
OUTSIDE AIR DAMPER
FILTER
SUPPLY FAN & COIL SECTION
32x32
32x32
2"
2½"
4"
1½"
2"
SEE AH-2 FOR COMPONENTS
32x24 DUCT UP, TRANSITION TO 24"x24" RETURN DUCT AND 32x24 DUCT HORIZONTAL TRANSITION TO 24"x24 RETURN DUCT
24x24
FLEX CONN.
4" CONCRETE PAD
FLEX CONN.
4"
32x32
MVD
T.C.P.
24x24
32x32
24x24
MVD
N

ENLARGED MECHANICAL ROOM PLAN

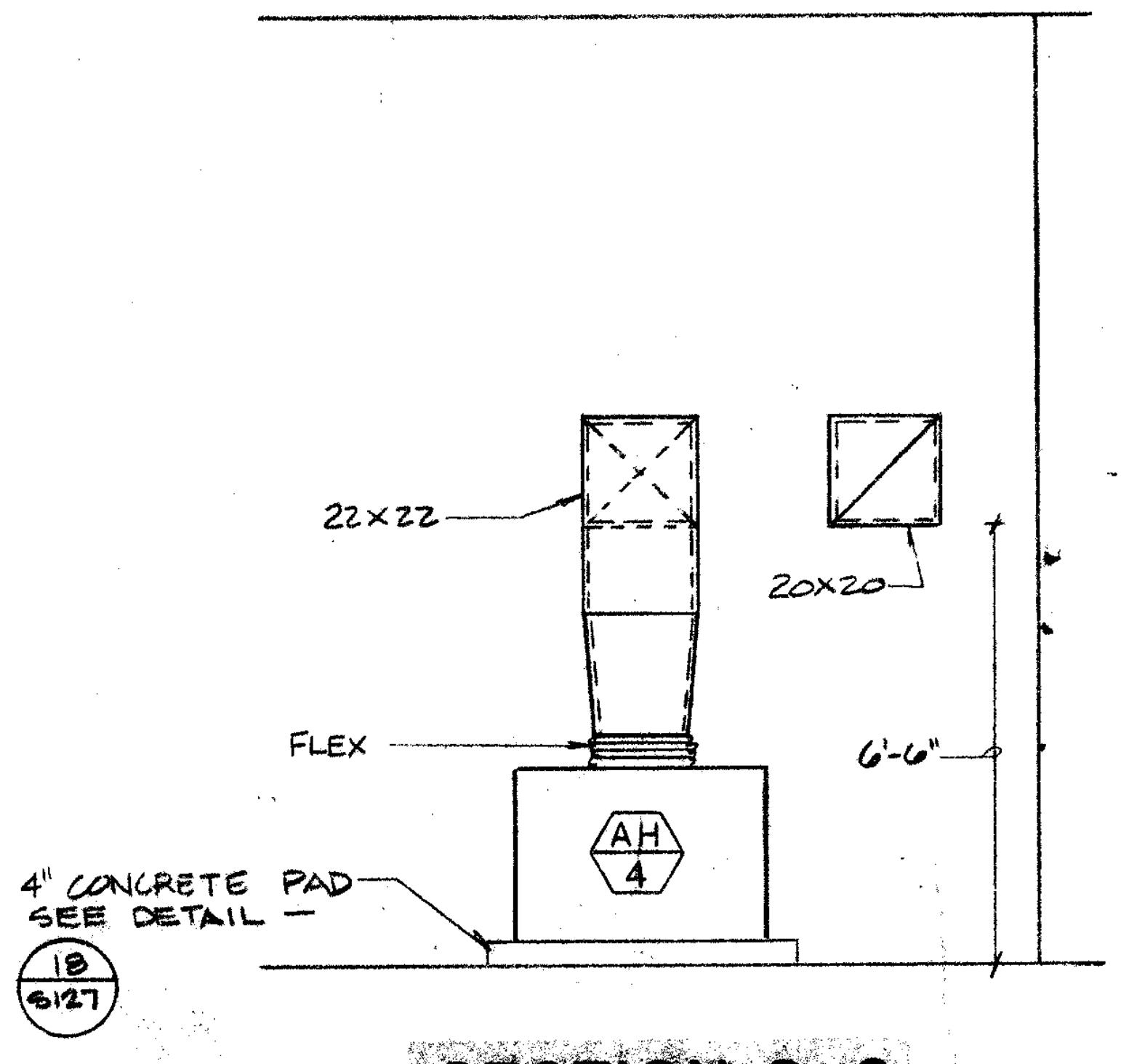
SCALE: 3/8"=1'-0"

NOTE:

1. ENTIRE PIPING SHALL BE ON SPRING VIBRATION ISOLATORS

GENERAL NOTES:

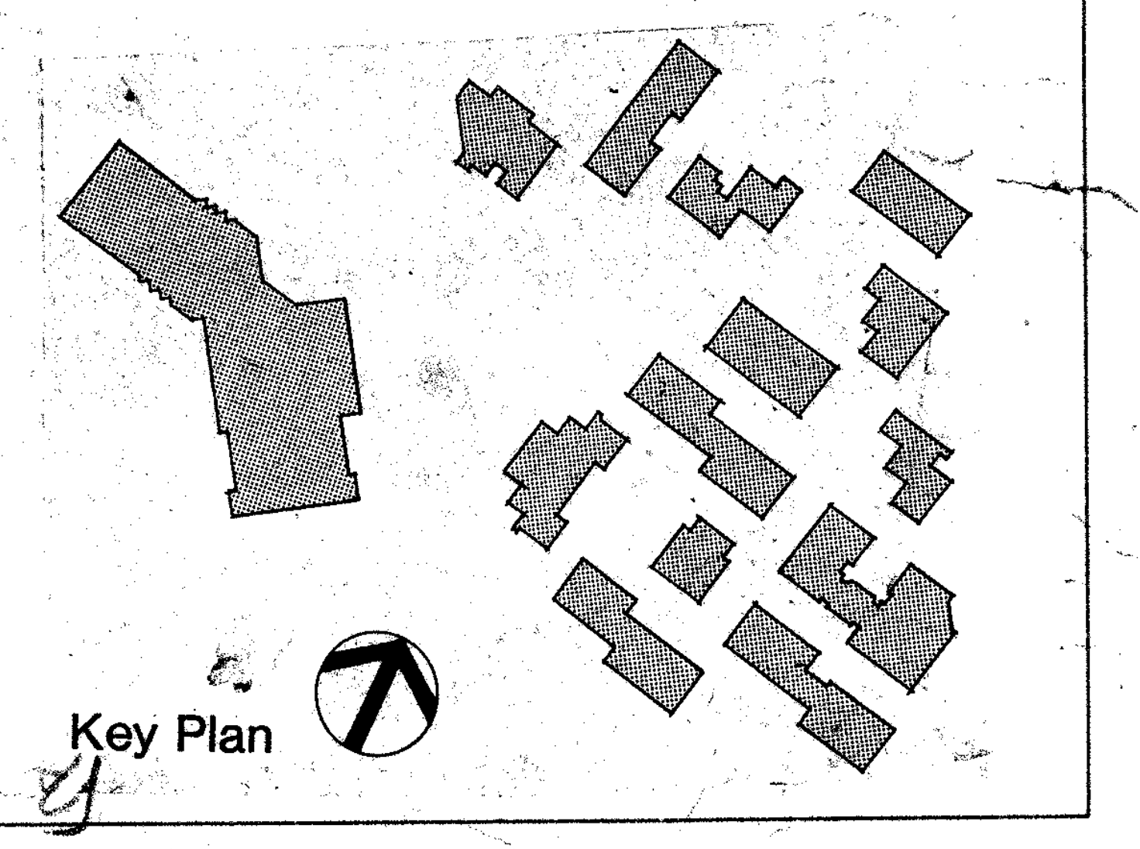
1. SEE SHEET M-1 FOR ABBREVIATIONS AND SYMBOLS.
2. SEE SHEETS M-2, M-3, M-4, M-5, AND M-6 FOR SCHEDULES.
3. SEE SHEETS M-23, M-24, M-25, AND M-22 FOR DETAILS.
4. SEE SHEETS M-26, M-27, AND M-28 FOR CONTROLS.


22x22
20x20
FLEX
6'-6"
AH 4
4" CONCRETE PAD SEE DETAIL 18 S127

SECTION C-C

SCALE: 3/8"=1'-0"

NOTE: DUCT PENETRATIONS FOR AH-3 ARE AT SAME HEIGHT FROM FIN. FLR.



Key Plan

NOT FOR BID OR CONSTRUCTION

Drawn By SG.
Checked By P.C
Date MARCH, 1988
Commission No 1-30-05

Revisions
BID JANUARY 1991

Nack & Sunderland / Engineers
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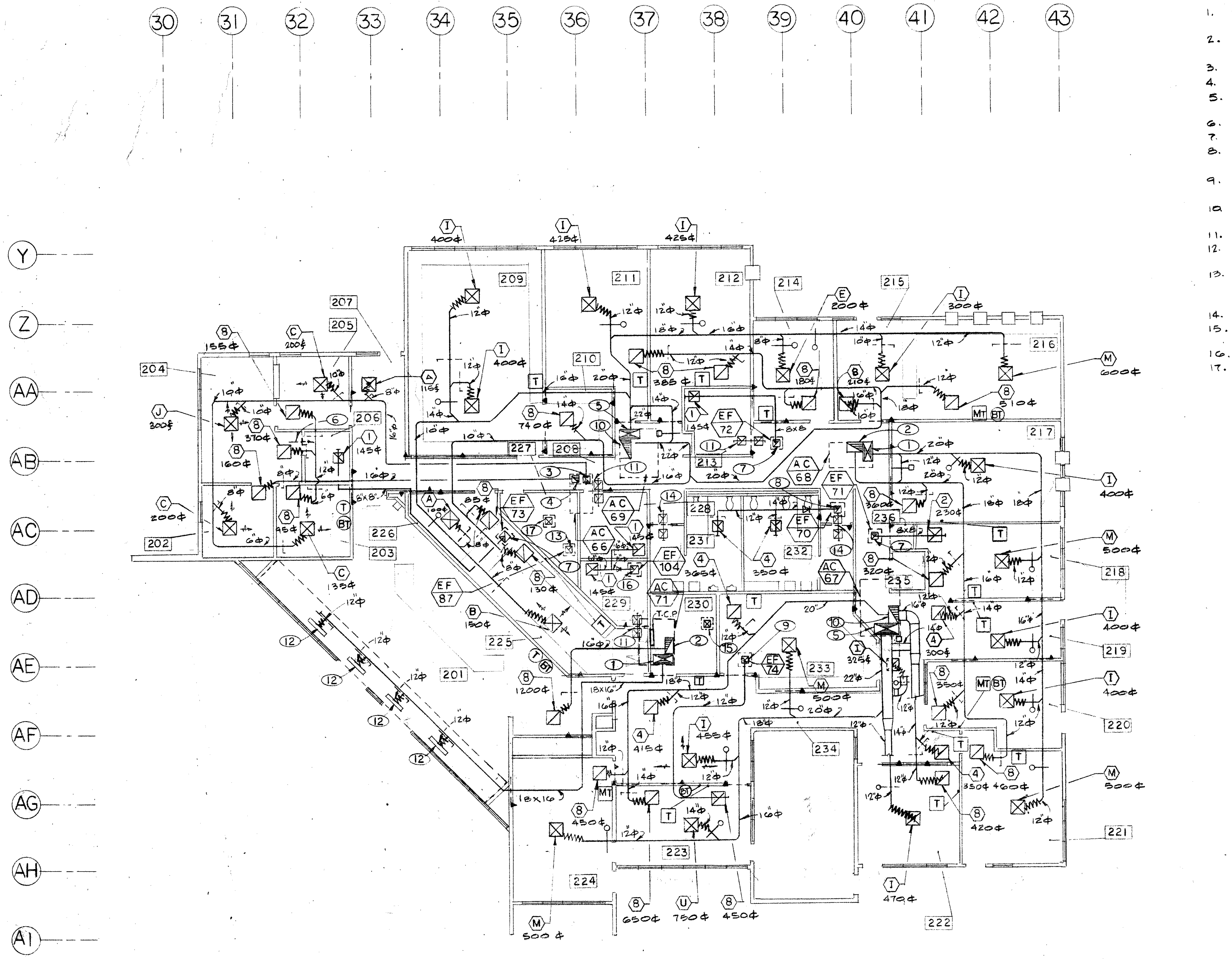
West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

MECHANICAL ROOM FLOOR PLAN

Sheet Number
M-9
1330l Sheets

INCREMENT 2



ADMINISTRATION BLDG. MECHANICAL FLOOR PLAN

SCALE 1/8"=1'-0".

CONSTRUCTION NOTES :

1. 32"X14" S.A DUCT U.T.R , AND DOWN TO FORM A S.A. PLENUM.
2. 32"X14" R.A. DUCT U.T.R. AND DOWN TO FORM A R.A. PLENUM.
3. 16"Φ S.A. DUCT UP TO AC-66 S.A PLENUM.
4. 16"Φ R.A. DUCT UP TO AC-66 R.A. PLENUM.
5. 42"X14" S.A DUCT U.T.R. AND DOWN TO FORM A S.A. PLENUM.
6. 1 FT² FACE AREA DOOR LOUVER.
7. 8"X8" EXHAUST AIR DUCT U.T.R.
8. 14"X14" ROOF OPENING, 10"X10" E.A. DUCT U.T.R AND DOWN TRANSITION TO 14Φ.
9. 12"X12" ROOF OPENING, 8"X8" E.A. DUCT U.T.R AND DOWN TRANSITION TO 12Φ.
10. 38"X26" R.A. DUCT U.T.R. AND DOWN TO FORM A R.A. PLENUM.
11. 8"X8" TRANSFER DUCT WITH 8"X8" REGISTER.
12. 4'-0" LINEAR DIFFUSER (475 CFM) SLAD-75, 3/4" SLOT, 4 SLOT.
13. 12"X12" ROOF OPENING, 8" X 8" EXH. AIR DUCT DOWN TRANSITION TO 12"X12" E.A. DUCT CONNECTED TO 12"X12" E.A.R.
14. 10"X10" TRANSFER DUCT WITH 10"X10" REGISTER
15. 12"X12" COOK TYPE VI-INTAKE UNIT W/ 12"X12" E.A.R 80LB
16. 12"X12" ROOF OPENING. 8"X8" EXH. AIR DUCT.
17. 18"X18" COOK TYPE VI-INTAKE UNIT W/ 18"X18" E.A.R.

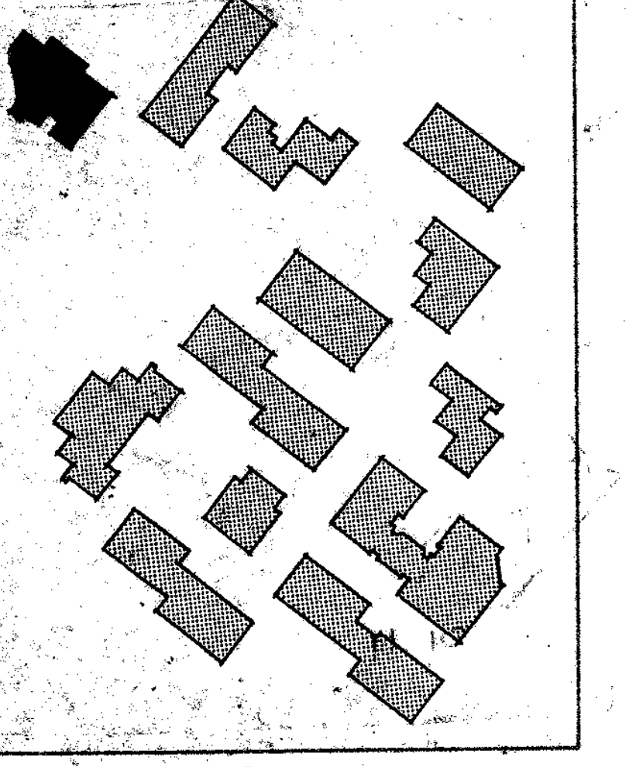
ROOM	NAME
201	RECEPTION
202	TREATMENT
203	TREATMENT.
204	HEALTH CLERK
205	WAITING
206	TOILET
207	PASSAGE
208	PASSAGE
209	DUPLICATING
210	STORAGE
211	PROGRAM
212	RECORDS
213	CUST.
214	S.P.O.
215	WAITING
216	ATTENDANCE
217	FINANCE
218	CONFERENCE
219	WAITING
220	VICE PRINCIPAL
221	VICE PRINCIPAL
222	VICE PRINCIPAL
223	CONFERENCE
224	PRINCIPAL
225	WORK MAN/STORAGE
226	MAIL
227	ELECT.
228	TELEPHONE
229	COMPUTER
230	MECH.
231	MEN
232	WOMEN
233	VICE PRINCIPAL'S SECRETARY
234	PASSAGE
235	CLOS.
236	CLOS.

SPECIAL NOTE:

THE CONTRACTORS ATTENTION IS DIRECTED TO THE NEED OF SPECIAL COORDINATION AND EFFICIENT USE OF THE AVAILABLE PHYSICAL SPACE BETWEEN THE TOP OF CEILING FRAMING AND BOTTOM OF ROOF FRAMING FOR THE INSTALLATION OF HIS WORK.

GENERAL NOTES:

1. SEE SHEET M-1 FOR ABBREVIATIONS AND SYMBOLS.
2. SEE SHEETS M-2, M-3, M-4, M-5, AND M-6 FOR SCHEDULES.
3. SEE SHEETS M-23, M-24, M-25, AND M-22 FOR DETAILS.
4. SEE SHEETS M-26, M-27, AND M-28 FOR CONTROLS.



Drawn By G.G.
Checked By G.M.
Date MARCH, 1988
Commission No 1-30-05

Revisions
BID JANUARY 1991

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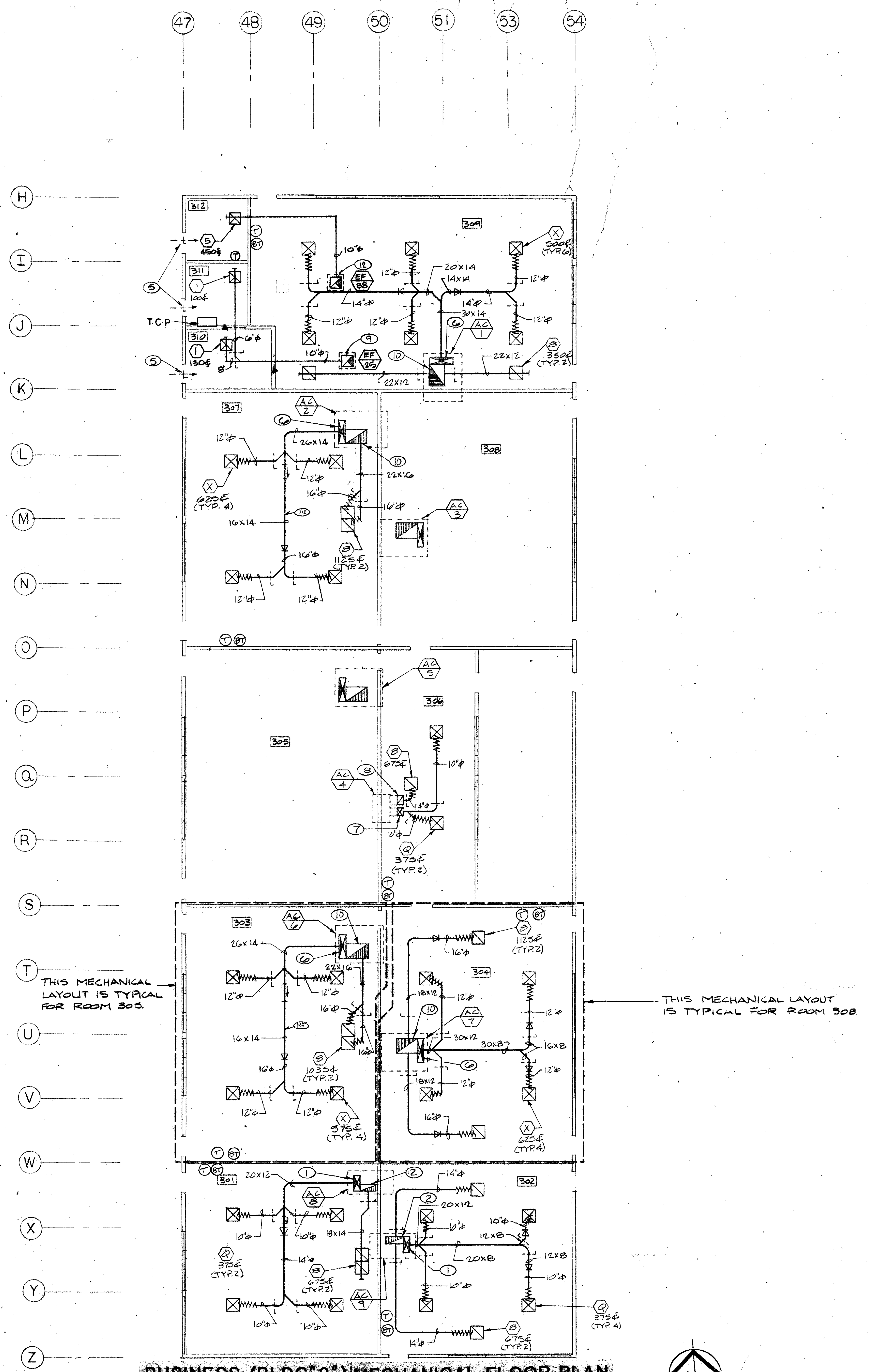
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

MECHANICAL FLOOR PLAN BLDG. "2"

Sheet Number
M-10
13 41 Sheets

INCREMENT 2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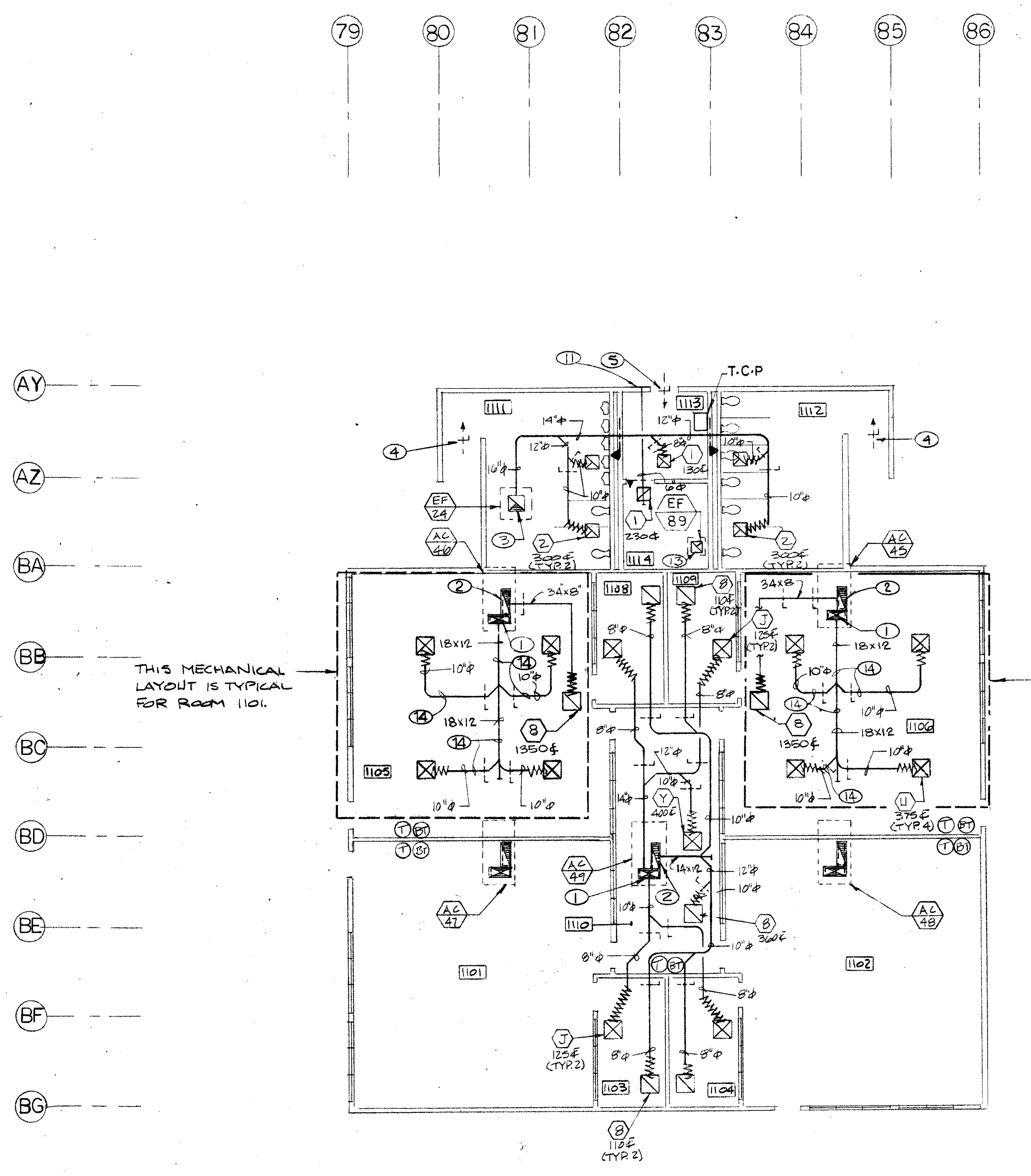
U
V
W
X
Y
Z
T.C.P
312
311
310
309
307
308
306
305
303
304
301
302
THIS MECHANICAL LAYOUT IS TYPICAL FOR ROOM 305.
THIS MECHANICAL LAYOUT IS TYPICAL FOR ROOM 308.

BUSINESS (BLDG"3") MECHANICAL FLOOR PLAN

SCALE 1/8"-1'-0"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82
83
84
85
86
AY
AZ
BA
BB
BC
BD
BE
BF
BG
T.C.P
THIS MECHANICAL LAYOUT IS TYPICAL FOR ROOM 1101.
THIS MECHANICAL LAYOUT IS TYPICAL FOR ROOM 1102.
1101
1102
1103
1104
1105
1106
1108
1109
1110
1111
1112
1113
1114

SPECIAL EDUCATION (BLDG"11") MECHANICAL FLOOR PLAN

SCALE 1/8"-1'-0"

CONSTRUCTION NOTES: (BUILDING 3,11)

① 32X14 ROOF OPENING. 30X12 SA. DUCT DN FROM UNIT AND FORM PLENUM.

② 34X15 ROOF OPENING. 32X13 DUCT DN FROM UNIT AND FORM PLENUM.

③ 24X24 ROOF OPENING. 22X22 DUCT DN FROM EXHAUST FAN & TRANSITION TO 16"Φ, THEN ELBOW.

④ MIN. 3 FT² FACE AREA DOOR LOUVER.

⑤ MIN. 1 FT² FACE AREA DOOR LOUVER.

⑥ 44X14 ROOF OPENING. 42X12 DUCT DN FROM UNIT AND FORM PLENUM.

⑦ 12X18 ROOF OPENING. 10X16 DUCT DN AND TRANSITION TO 14"Φ, THEN ELBOW.

⑧ 14X14 ROOF OPENING. 12X12 DUCT DN. AND TRANSITION TO 14"Φ, THEN ELBOW.

⑨ 12X12 ROOF OPENING. 10X10 DUCT DN. FROM EXHAUST FAN AND TRANSITION TO 10"Φ, THEN ELBOW.

⑩ 39X27 ROOF OPENING. 37X25 DUCT DN FROM UNIT AND FORM PLENUM.

⑪ 1 FT² FREE AREA LOUVER.

⑫ 12" X 12" ROOF OPENING, 8" X 8" EXHAUST AIR DUCTUP

⑬ 12" X 12" ROOF OPENING, 8" X 8" EXHAUST AIR DUCT DOWN AND CONNECTED TO 14" X 14" E.A.R.

⑭ RUN THE DUCT IN BETWEEN THE LIGHTS

ROOM	NAME
301	BUSINESS CLASSROOM
302	BUSINESS CLASSROOM
303	TYPING/WORD PROCESSING
304	COMPUTER STUDIES
305	COMPUTER STUDIES
306	FACULTY OFFICE
307	TYPING/WORD PROCESSING
308	COMPUTER STUDIES
309	TYPING/WORD PROCESSING
310	STOR.
311	CUST.
312	ELECT.

ROOM	NAME
1101	CLASSROOM
1102	CLASSROOM
1103	TIME-OUT ROOM
1104	TIME-OUT ROOM
1105	CLASSROOM
1106	CLASSROOM
1108	TIME-OUT ROOM
1109	TIME-OUT ROOM
1110	FACULTY OFFICE
1111	MEN
1112	WOMEN
1113	CUST.
1114	ELECT.

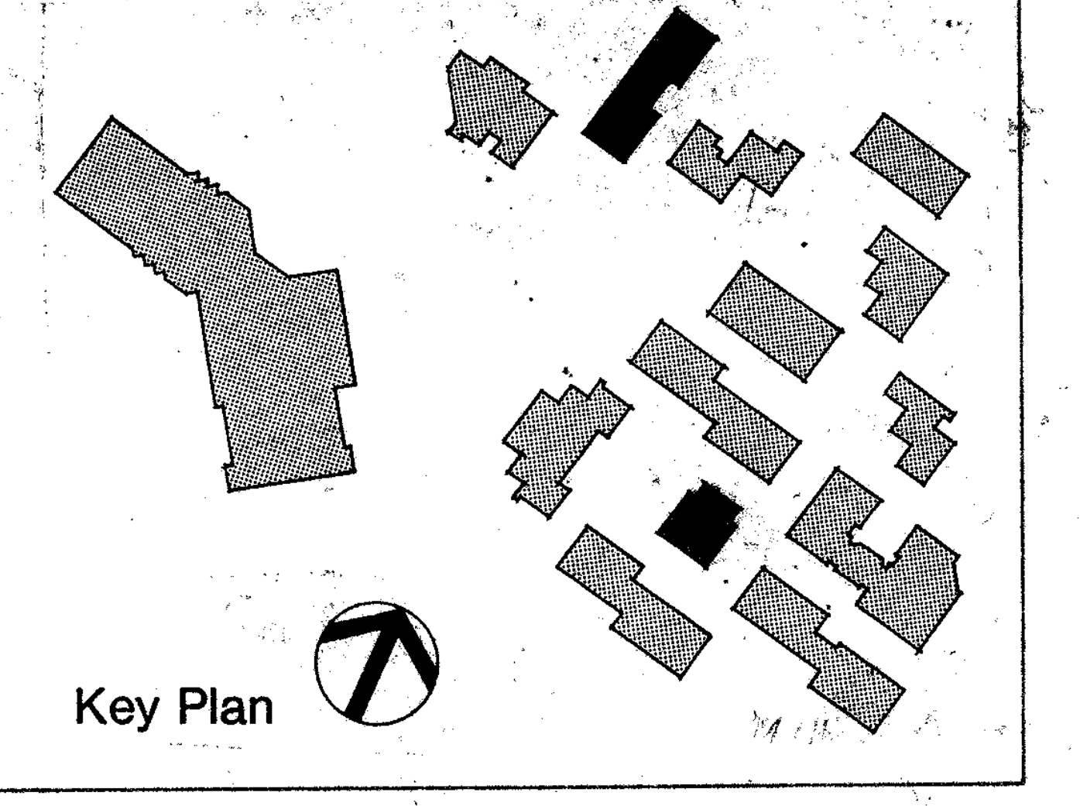
SPECIAL NOTE:

THE CONTRACTORS ATTENTION IS DIRECTED TO THE NEED OF SPECIAL COORDINATION AND EFFICIENT USE OF THE AVAILABLE PHYSICAL SPACE BETWEEN THE TOP OF CEILING FRAMING AND BOTTOM OF ROOF FRAMING FOR THE INSTALLATION OF HIS WORK.

GENERAL NOTES:

1. SEE SHEET M-1 FOR ABBREVIATIONS AND SYMBOLS.
2. SEE SHEETS M-2, M-3, M-4, M-5, AND M-6 FOR SCHEDULES.
3. SEE SHEETS M-23, M-24, M-25, AND M-22 FOR DETAILS.
4. SEE SHEETS M-26, M-27, AND M-28 FOR CONTROLS.

1988



Key Plan

Drawn By G.G.
Checked By Q.M.
Date MARCH, 1988
Commission No. 1-80-05

Revisions
BID JANUARY 1991

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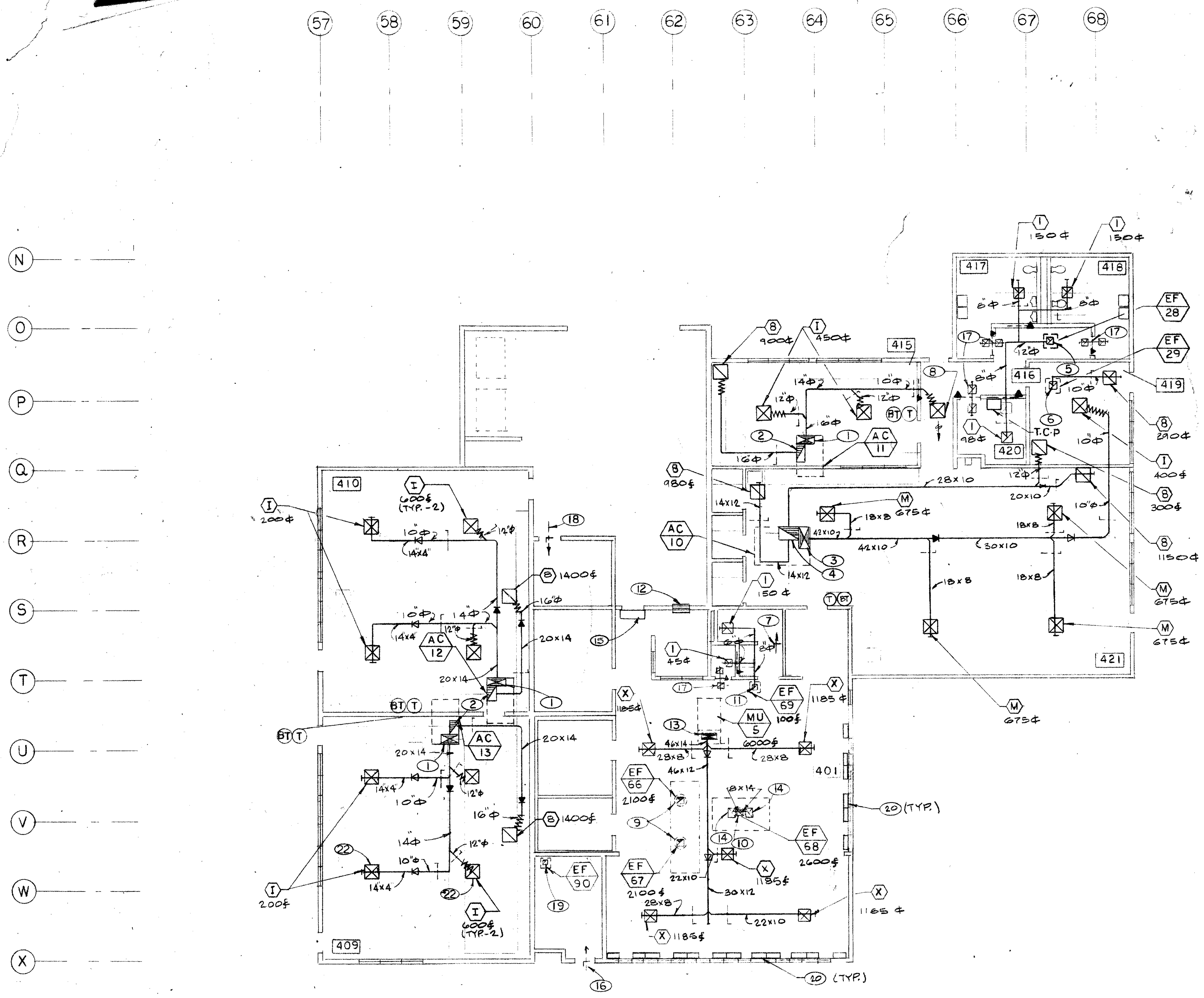
Grossmont Union High School District
San Diego, Ca San Diego County

MECHANICAL FLOOR PLAN BLDG. "3" & "11"

Sheet Number
M-11
1350 Sheets

INCREMENT



KITCHEN/ASB/FACULTY LOUNGE MECHANICAL FLOOR PLAN

SCALE 1/8"-1'-0"

CONSTRUCTION NOTES : ○

1. 32"X14" ROOF OPENING, 30X12 DUCT DN FROM UNIT AND FORM PLENUM.
2. 34X14 ROOF OPENING, 32X12 DUCT DN FROM UNIT AND FORM PLENUM.
3. 44"X14" ROOF OPENING. 42"X12" DUCT DN. FROM UNIT AND FORM PLENUM.
4. 39"X 27" ROOF OPENING 36"X24" DUCT DN FROM UNIT AND ELBOW TO 48"X10" DUCT
5. 18"X18" ROOF OPENING, 16"X16" DUCT DN AND TRANSITION TO 12"Φ, THEN ELBOW.
6. 18"X18" ROOF OPENING, 12"X12" DUCT DN AND TRANSITION TO 10"Φ, THEN ELBOW.
7. 1 FT² FACE AREA DOOR LOUVER.
8. 12"X12" (2-WAY) SUPPLY AIR REGISTER, 300¢
9. 8"X22" EXHAUST AIR DUCT UP FROM KITCHEN HOOD AND TRANSITION TO 14"X14" DUCT U.T.R.
10. 14"X14" EXHAUST AIR DUCT U.T.R.
11. 18"X18" ROOF OPENING, 10"X10" EXH. AIR DUCT AND TRANSITION TO 10"Φ, THEN ELBOW.
12. CARRIER PACKAGE RIVIERA HEAT PUMP, COOLING CAP. 7000 BTUH, 200 CFM, 790 WATTS, 7.6 AMP. 2.6 EER, 115V-1Φ, 2 FAN SPEED, DIMENSION 16 1/4" X 24 5/8" X 22 1/8". 150 LBS. REQ. WALL OPENING 16 1/4" X 24 5/8"
13. 46"X14" MAKEUP AIR DUCT DOWN.
14. 8"X14" EXH. AIR DUCT DOWN TO KITCHEN HOOD OPENING.
15. PROVIDE AIR CURTAIN, ILG CABINET MODEL B15FF, 1/3 HP. 115V-1Φ, 1700 CFM (MAX AT NOZZLE), 2200 FPM (MAX FPM AT NOZZLE), 100 LB. PROVIDE DOOR SWITCH CONTROL.
16. 2 FT² FREE AREA DOOR LOUVER.
17. 8"X8" TRANSFER DUCT WITH 8"X8" TRANSFER GRILLE.
18. PROVIDE TWO OPENING. ONE LOCATED WITHIN THE UPPER 12 INCHES OF THE ROOM AND ONE WITHIN THE LOWER 12 INCHES OF THE ROOM. (1 FT² FREE AREA OF EACH OPENING)
19. 14" X 14" ROOF OPENING, 10" X 10" EXHAUST AIR DUCT TRANSITION TO 14"X 14" EXH. AIR DUCT AND CONNECTED TO 18"X 18" E.A.R.
20. AIR CURTAIN ILG CABINET MODEL B15FF, 1/3 HP, 115V 1Φ 2050 CFM, 150 lb. WT. MIN. 400 FPM @ COUNTER
21. 3/8" UNDER CUT
22. INSTALL SUPPLY DIFFUSER NORTH OF STRUCTURAL BEAM (W21)

ROOM	NAME
401	CENTRAL KITCHEN
402	OFFICE
403	CUST.
404	TOILET
405	DRY STORAGE
406	REFRIG.
407	FREEZER
408	CUST./ELEC.
409	A.S.B. STORE
410	A.S.B. CLASSROOM
411	MECH.
412	PHONE BOOTH
413	PHONE BOOTH
414	PHONE BOOTH
415	FACULTY WORKROOM
416	PASSAGE
417	MENS
418	WOMENS
419	FACULTY SMOKING LOUNGE
420	CUST.
421	FACULTY LOUNGE

SPECIAL NOTE:

THE CONTRACTORS ATTENTION IS DIRECTED TO THE NEED OF SPECIAL COORDINATION AND EFFICIENT USE OF THE AVAILABLE PHYSICAL SPACE BETWEEN THE TOP OF CEILING FRAMING AND BOTTOM OF ROOF FRAMING FOR THE INSTALLATION OF HIS WORK.

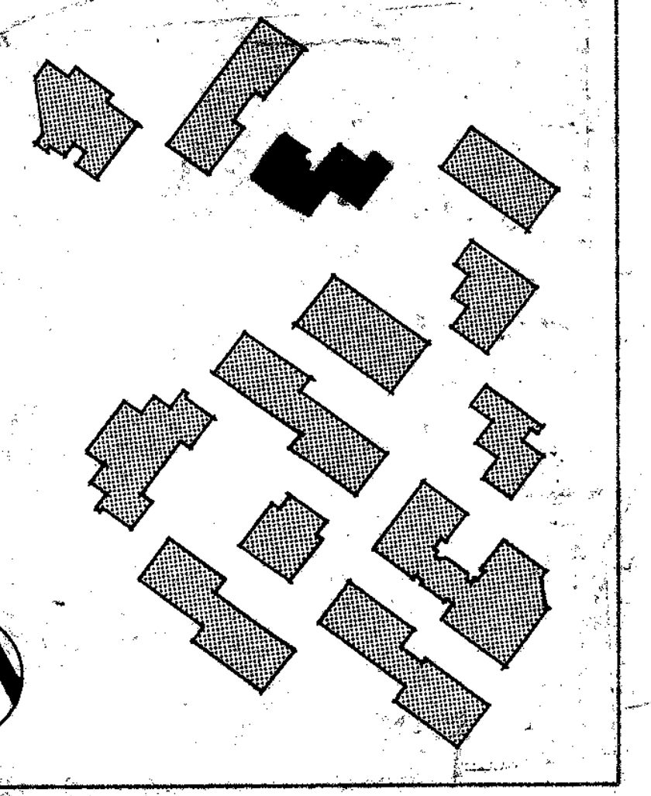
NOTE:

1. INTERLOCK EF-66, EF-67 AND EF-68 WITH MU-5

GENERAL NOTES:

1. SEE SHEET M-1 FOR ABBREVIATIONS AND SYMBOLS.
2. SEE SHEETS M-2, M-3, M-4, M-5, AND M-6 FOR SCHEDULES.
3. SEE SHEETS M-23, M-24, M-25, AND M-22 FOR DETAILS.
4. SEE SHEETS M-26, M-27, AND M-28 FOR CONTROLS.

A 49 27 JUN 27 1988



Key Plan

Drawn By A.E.
Checked By Q.M
Date MARCH, 1988
Commission No. 1-36-05

Revisions
BID JANUARY 1991

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ARCHITECT
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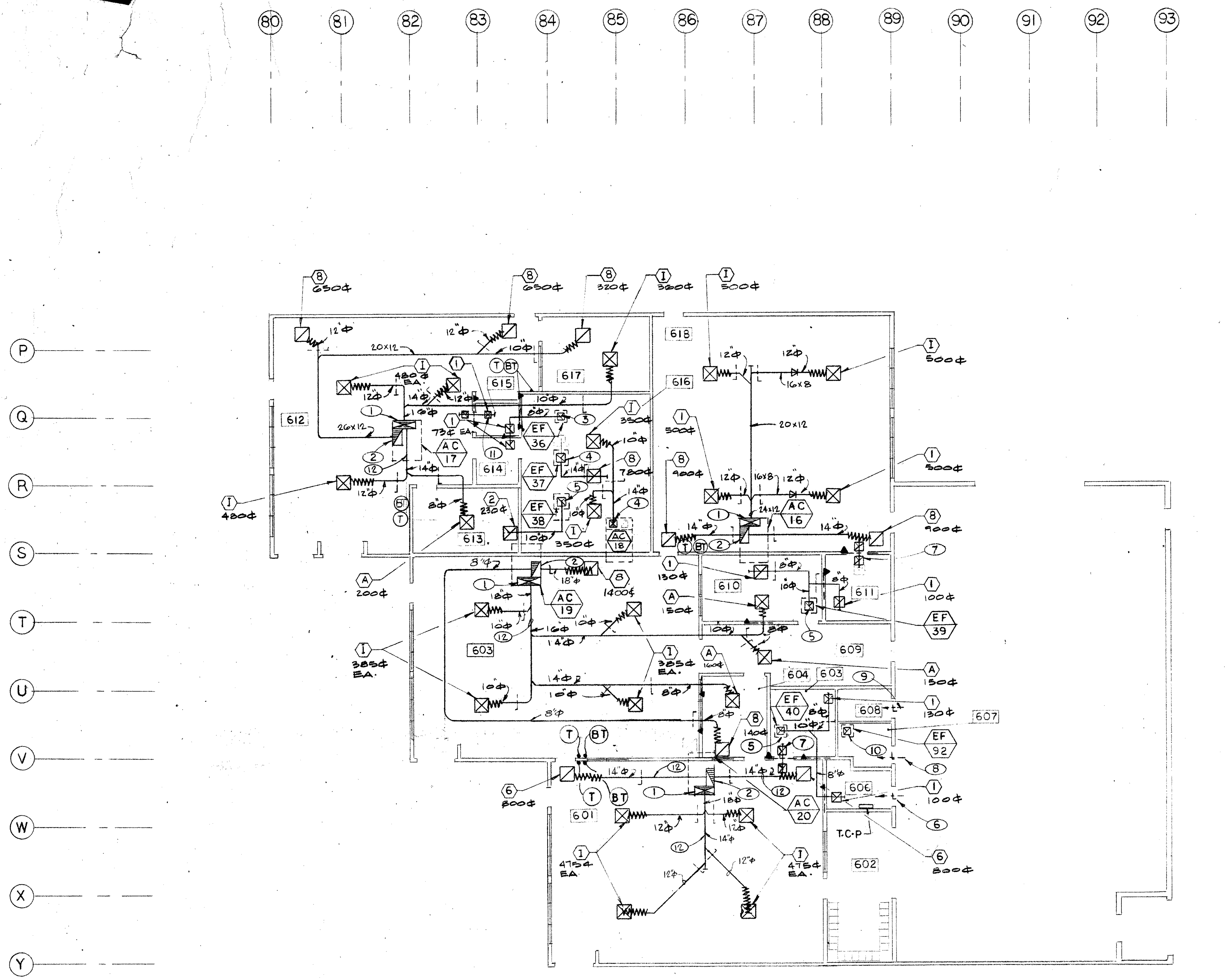
San Diego County

MECHANICAL FLOOR PLAN BLDG. "4"

Sheet Number
M-12
131 Of Sheets

INCREMENT 4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AC 16
AC 17
AC 18
AC 19
AC 20
EF 36
EF 37
EF 38
EF 39
EF 40
EF 92
T-C-P
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26X12
16X8
24X12
650¢
320¢
300¢
500¢
900¢
480¢
200¢
385¢ EA.
475¢ EA
800¢
100¢
130¢
1400¢

CONSTRUCTION NOTES : ○

1. 32"X14" ROOF OPENING, 30"X12" DUCT DOWN FROM UNIT AND FORM PLENUM.
2. 34"X14" ROOF OPENING, 32"X12" DUCT DOWN FROM UNIT AND FORM PLENUM.
3. 12"X12" ROOF OPENING, 8"X8" DUCT DOWN AND TRANSITION TO 8"Φ, THEN ELBOW.
4. 14"X14" ROOF OPENING, 10"X10" DUCT DOWN AND TRANSITION TO 14"Φ, THEN ELBOW.
5. 12"X12" ROOF OPENING, 8"X8" DUCT DOWN AND TRANSITION TO 10"Φ, THEN ELBOW.
6. 1 FT² FREE AREA DOOR LOUVER.
7. 8"X8" TRANSFER DUCT, WITH 8"X8" TRANSFER GRILLE.
8. 1 FT² FREE AREA DOOR LOUVER.
9. PROVIDE TWO OPENING ONE LOCATED WITHIN THE UPPER 12 INCHES OF THE ROOM AND ONE WITHIN THE LOWER 12 INCHES OF THE ROOM (1 FT² FREE AREA OF EACH OPENING)
10. 12"X12" ROOF OPENING, 8"X8" EXH. AIR DUCT DOWN THEN TRANSITION TO 12"X12" EXH. AIR DUCT AND CONNECTED TO 14"X14" EXH. AIR. REGISTER.
11. 12X12 TRANSFER DUCT
12. RUN THE DUCT BETWEEN THE LIGHT FIXTURES.

ROOM	NAME
601	CRAFTS
602	LOCKERS
603	ART
604	OFFICE
605	STORAGE
606	CUST.
607	ELECT.
608	MECH.
609	PASSAGE
610	STOR./WORKROOM
611	STOR.
612	PHOTOGRAPHY
613	DARKROOM
614	VEST.
615	STORAGE
616	PRINT ROOM
617	PORTRAIT STUDIO
618	DRAFTING/GRAPHICS

SPECIAL NOTE:

THE CONTRACTORS ATTENTION IS DIRECTED TO THE NEED OF SPECIAL COORDINATION AND EFFICIENT USE OF THE AVAILABLE PHYSICAL SPACE BETWEEN THE TOP OF CEILING FRAMING AND BOTTOM OF ROOF FRAMING FOR THE INSTALLATION OF HIS WORK.

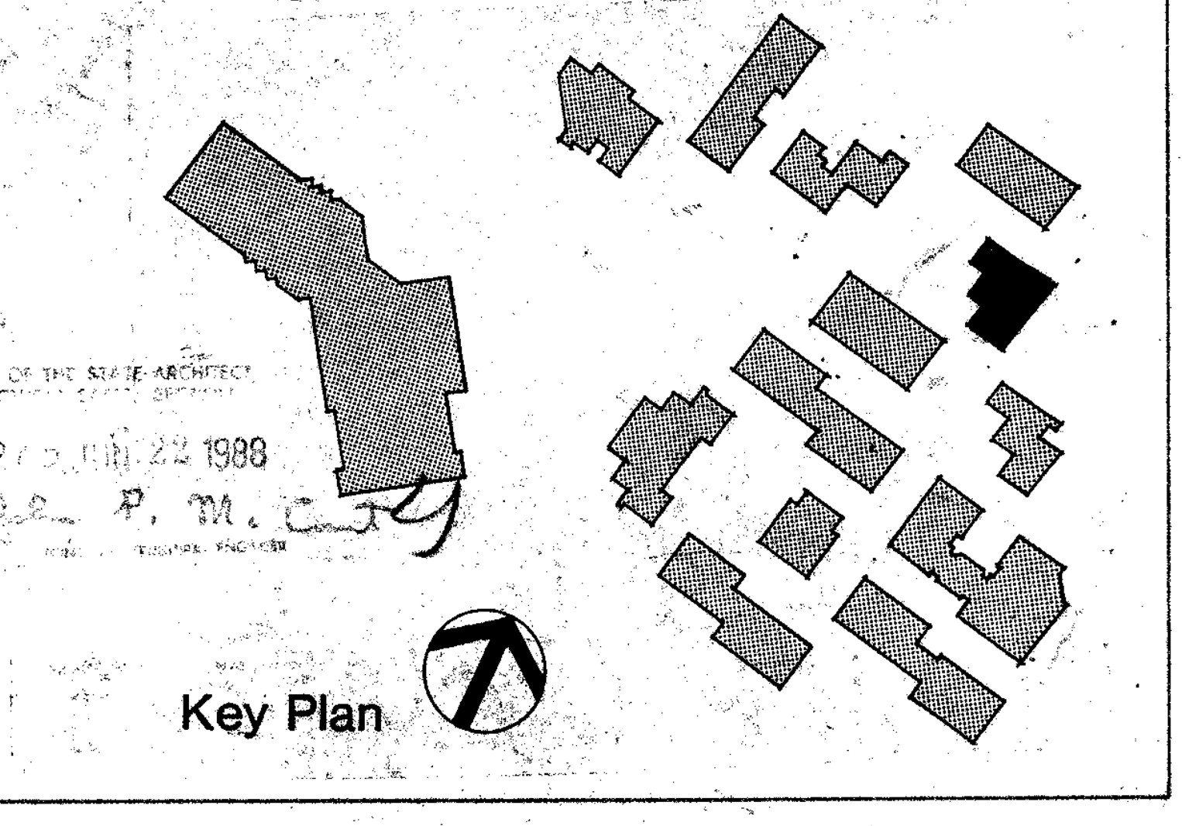
ARTS & CRAFTS BLDG. MECHANICAL FLOOR PLAN

SCALE 1/8"-1'-0"

GENERAL NOTES:

1. SEE SHEET M-1 FOR ABBREVIATIONS AND SYMBOLS.
2. SEE SHEETS M-2, M-3, M-4, M-5, AND M-6 FOR SCHEDULES.
3. SEE SHEETS M-23, M-24, M-25, AND M-22 FOR DETAILS.
4. SEE SHEETS M-26, M-27, AND M-28 FOR CONTROLS.

OFFICE OF THE STATE ARCHITECT
A 49275 JUN 22 1988
P. M. C


Key Plan

Drawn By S.S, DLN
Checked By Q.M.
Date MARCH, 1988
Commission No. 1-30-05

Revisions
BID JANUARY 1991

Nack & Sunderland / Engineers
Los Angeles, Calif. ☐☐☐☐ Newport Beach, Calif.
11-16-90

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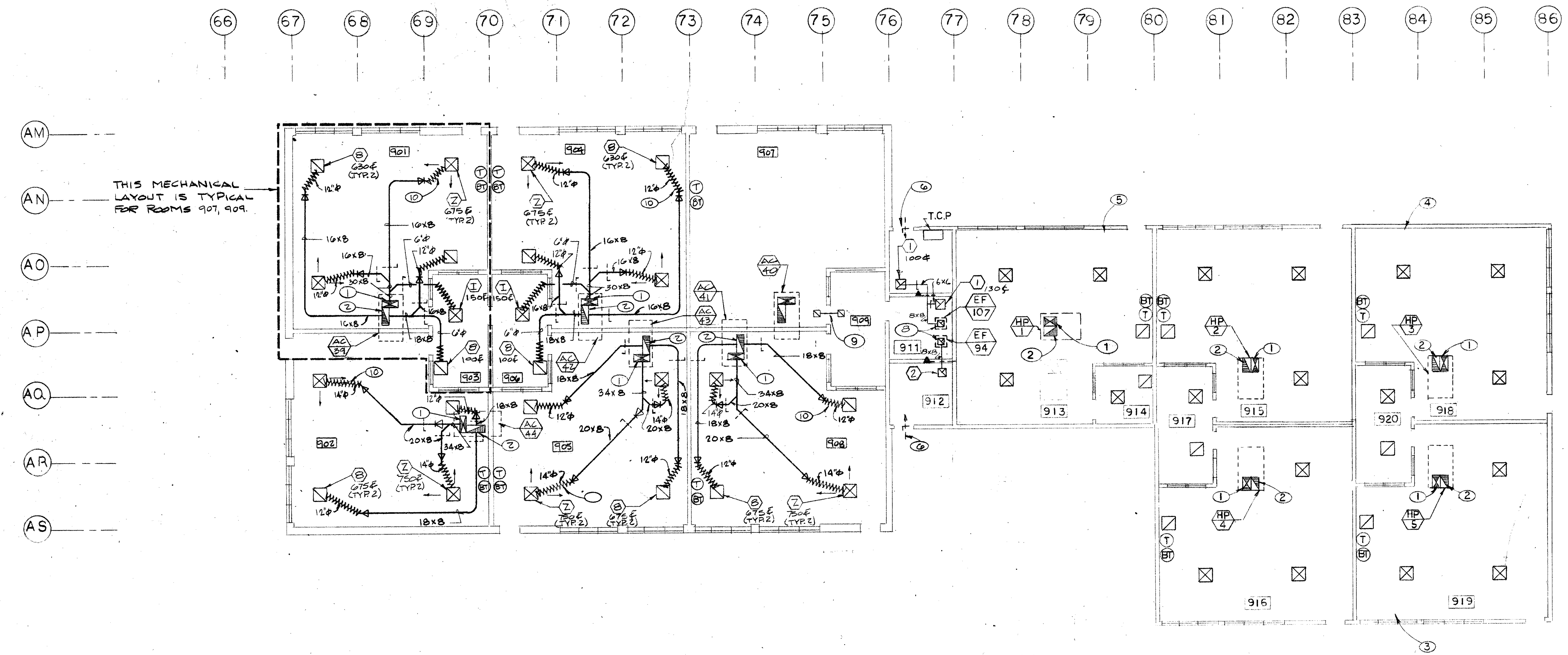
ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

MECHANICAL FLOOR PLAN BLDG. "6"

Sheet Number
M-14
1370 sheets

INCREMENT 2



THIS MECHANICAL LAYOUT IS TYPICAL FOR ROOMS 907, 909.

ENGLISH (BLDG "9") MECHANICAL FLOOR PLAN

SCALE 1/8"=1'-0"

CONSTRUCTION NOTES: (BUILDING 9)

① 34X14 ROOF OPENING 30X12 S.A. DUCT DN. FROM UNIT AND TRANSITION TO DUCT SIZE SHOWN ON THE FLOOR PLAN

② 34X14 ROOF OPENING. 32X12 RA. DUCT DN FROM UNIT AND FORM PLENUM.

③ HP-5 SHALL SERVE ROOM 919 (1500¢). TYPICAL FOR (HP-4 FOR ROOM 916)

④ HP-3 SHALL SERVE ROOM 918 (1350¢) & ROOM 920 (150¢). TYPICAL FOR (HP-2 FOR ROOM 915 & 917)

⑤ HP-1 SHALL SERVE ROOM 913 (1400¢) & ROOM 914 (100¢)

⑥ 1 FT² FREE AREA DOOR LOUVER.

⑦ OMIT

⑧ 12"X12" ROOF OPENING, 8"X8" EXH. AIR DUCT DOWN AND ELBOW.

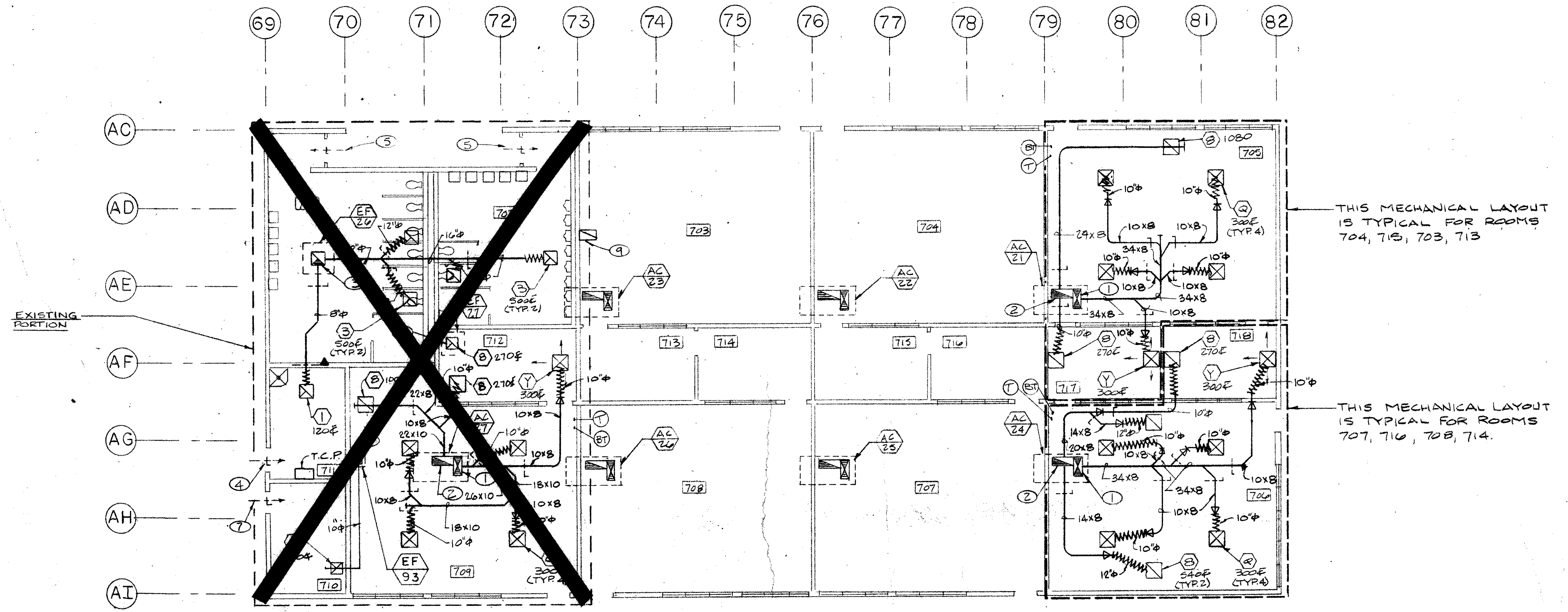
⑨ 14X14" TRANSFER DUCT WITH 14X14" TRANSFER GRILLES.

⑩ RUN FLEXIBLE DUCT BETWEEN THE LIGHTS. (TYPICAL)

(BLDG "9" RELOCATABLE PORTION) GENERAL NOTES :

1. SUPPLY & RETURN AIR DISTRIBUTION SHALL BE DONE BY CONTRACTOR AS TO COMPLY WITH FOLLOWING NOTES:
   - A) SUPPLY DUCTS SHALL BE SIZED FOR 0.08 INW FRICTION PER 100 FEET OF DUCT.
   - B) RETURN DUCTS SHALL BE SIZED FOR 0.07 INW FRICTION PER 100 FEET OF DUCT.
   - C) SUPPLY DIFFUSERS AND RETURN REGISTERS SHALL BE SIZED BASED ON REQUIRED NC LEVEL AND THROW.
   - D) RETURN AIR REGISTER SHALL BE SIZED AT 350 FPM.
   - E) PROVIDE MANUAL VOLUME DAMPER FOR EACH SUPPLY AIR BRANCH.

ROOM	NAME
901	CLASSROOM
902	CLASSROOM
903	FACULTY OFFICE
904	CLASSROOM
905	CLASSROOM
906	OFFICE
907	CLASSROOM
908	CLASSROOM
909	FACULTY OFFICE
910	CUST.
911	STOR.
912	ELECT.
913	CLASSROOM
914	FACULTY OFFICE
915	CLASSROOM
916	CLASSROOM
917	FACULTY OFFICE
918	CLASSROOM
919	CLASSROOM
920	FACULTY OFFICE



EXISTING PORTION

THIS MECHANICAL LAYOUT IS TYPICAL FOR ROOMS 704, 715, 703, 713

THIS MECHANICAL LAYOUT IS TYPICAL FOR ROOMS 707, 716, 708, 714.

BUSINESS/ / SPECIAL EDUCATION (BLDG "7") MECHANICAL FLOOR PLAN

SCALE 1/8"=1'-0"

CONSTRUCTION NOTES: (BUILDING 7)

① 32X14 ROOF OPENING 30X12 S.A. DUCT DN. FROM UNIT AND TRANSITION TO DUCT SIZE SHOWN ON THE FLOOR PLAN

② 34X14 ROOF OPENING 32X12 S.A. DUCT DN FROM UNIT AND FORM PLENUM.

③ 24X24 ROOF OPENING & 20X20 DUCT DN FROM EXHAUST FAN AND FORM PLENUM.

④ MIN. 1 FT² FREE AREA DOOR LOUVER.

⑤ STEEL TUBE GATE (BY ARCH.)

⑥ 12X12 ROOF OPENING. 8X8 DUCT DN. FROM EXHAUST FAN TO EXHAUST GRILLE.

⑦ 1 FT² FREE AREA DOOR LOUVER.

⑧ 12"X12" ROOF OPENING, 8"X8" EXH. AIR DUCT TRANSITION TO 10"ϕ AND ELBOW.

⑨ LOCATE THE RETURN AIR REGISTER IN ROOM 703 AS SHOWN TO MISS THE ROOF DRAIN LINE

⑩ RUN FLEXIBLE DUCT BETWEEN THE LIGHTS.

GENERAL NOTES:

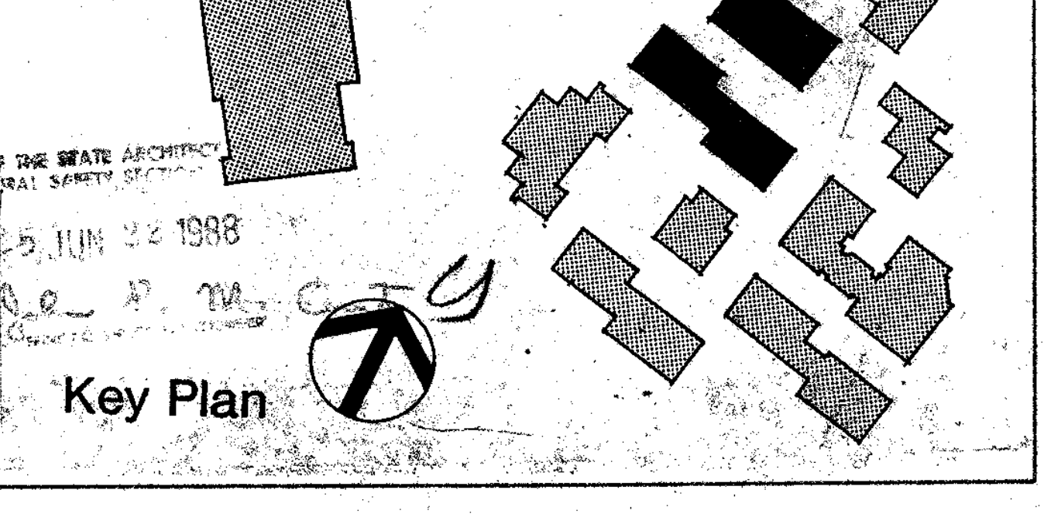
1. SEE SHEET M-1 FOR ABBREVIATIONS AND SYMBOLS.
2. SEE SHEETS M-2, M-3, M-4, M-5, AND M-6 FOR SCHEDULES.
3. SEE SHEETS M-23, M-24, M-25, AND M-22 FOR DETAILS.
4. SEE SHEETS M-26 M-27 AND M-28 FOR CONTROLS.

ROOM	NAME
701	WOMENS
702	MENS
703	CLASSROOM
704	CLASSROOM
705	CLASSROOM
706	CLASSROOM
707	CLASSROOM
708	CLASSROOM
709	CLASSROOM
710	ELECT.
711	CUST.
712	GROUP STUDY/CONF.
713	GROUP STUDY
714	GROUP STUDY
715	GROUP STUDY
716	GROUP STUDY
717	GROUP STUDY
718	GROUP STUDY

SPECIAL NOTE:

THE CONTRACTORS ATTENTION IS DIRECTED TO THE NEED OF SPECIAL COORDINATION AND EFFICIENT USE OF THE AVAILABLE PHYSICAL SPACE BETWEEN THE TOP OF CEILING FRAMING AND BOTTOM OF ROOF FRAMING FOR THE INSTALLATION OF HIS WORK.

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
JUN 22 1988


Key Plan

Drawn By S.S.
Checked By Q.M.
Date MARCH, 1988
Commission No 1-30-06

Revisions
BID JANUARY 1991

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Los Angeles, Calif. Newport Beach, Calif.
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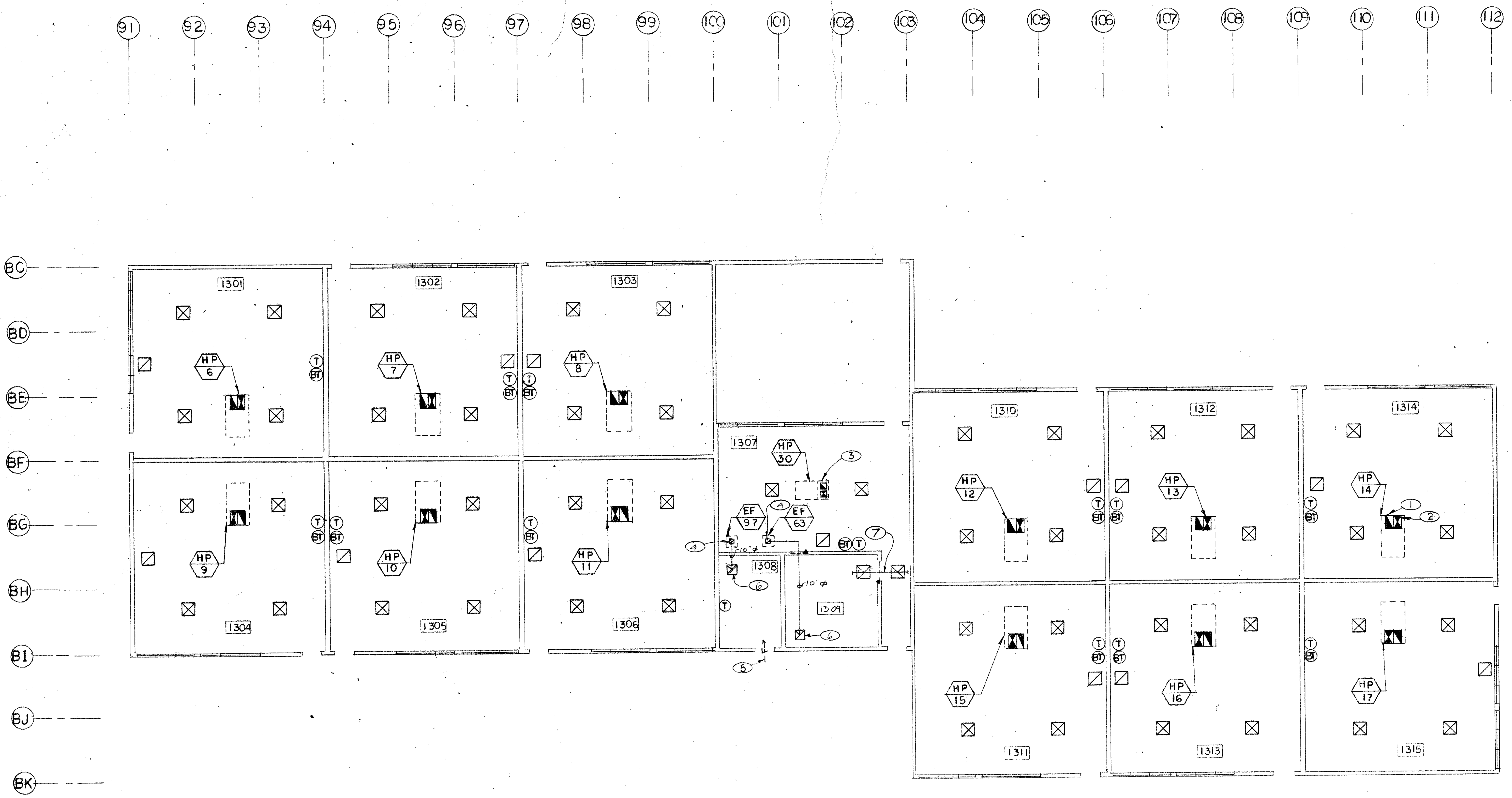
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

MECHANICAL FLOOR PLAN BLDG. "7" & "9"

Sheet Number
M-15
/38 of Sheets

INCREMENT 2



MATH BLDG. MECHANICAL FLOOR PLAN

SCALE 1/8=1'-0"

CONSTRUCTION NOTES : ○

1. 34"X14" ROOF OPENING. 32"X12" RETURN AIR DUCT DOWN FROM UNIT AND FORM PLENUM (TYPICAL HP-6 thru 17)
2. 34"X14" ROOF OPENING. 32"X12" SUPPLY AIR DUCT DOWN FROM UNIT AND FORM PLENUM (TYPICAL HP-6 THRU 17)
3. PROVIDE MICRO METL SERIES PLENUM WITH PRE-FAB ROOF CURB WHICH HAS TWO 16"X16" ROOF OPENING FOR RETURN AND SUPPLY DUCT. 14"X14" SUPPLY AIR DUCT DOWN AND FORM PLENUM & 14"X14" RETURN AIR DUCT DOWN AND FORM PLENUM.
4. 12"x12" ROOF OPENING, 8"x8" DUCT DOWN AND TRANSITION TO 10"φ, THEN ELBOW. (EF-63 SERVING ROOM 1309)
5. 1 FT² FREE AREA DOOR LOUVER.
6. 16×16" R.A.G.
7. 18"×18" TRANSFER GRILLE WITH 18"×12" DUCT.

GENERAL NOTES :

1. SUPPLY & RETURN AIR DISTRIBUTION SHALL BE DONE BY CONTRACTOR AS TO COMPLY WITH FOLLOWING NOTES:
   - A) SUPPLY DUCTS SHALL BE SIZED FOR 0.08 INW FRICTION PER 100 FEET OF DUCT.
   - B) RETURN DUCTS SHALL BE SIZED FOR 0.07 INW FRICTION PER 100 FEET OF DUCT.
   - C) SUPPLY DIFFUSERS AND RETURN REGISTERS SHALL BE SIZED BASED ON REQUIRED THROW AND NC LEVEL.
   - D) SIZE RETURN AIR REGISTER AT MAX. 350FPM
2. PROVIDE MANUAL VOLUME DAMPER FOR EACH SUPPLY AIR BRANCH
3. PROVIDE FIRE DAMPER WHERE DUCT PENTRATES THROUGH FIRE RATED WALL

ROOM	NAME
1301	CLASSROOM
1302	CLASSROOM
1303	CLASSROOM
1304	CLASSROOM
1305	CLASSROOM
1306	CLASSROOM
1307	FACULTY OFFICE
1308	ELECT.
1309	CUST.
1310	CLASSROOM
1311	CLASSROOM
1312	CLASSROOM
1313	CLASSROOM
1314	CLASSROOM
1315	CLASSROOM

SPECIAL NOTE:

THE CONTRACTORS ATTENTION IS DIRECTED TO THE NEED OF SPECIAL COORDINATION AND EFFICIENT USE OF THE AVAILABLE PHYSICAL SPACE BETWEEN THE TOP OF CEILING FRAMING AND BOTTOM OF ROOF FRAMING FOR THE INSTALLATION OF HIS WORK.

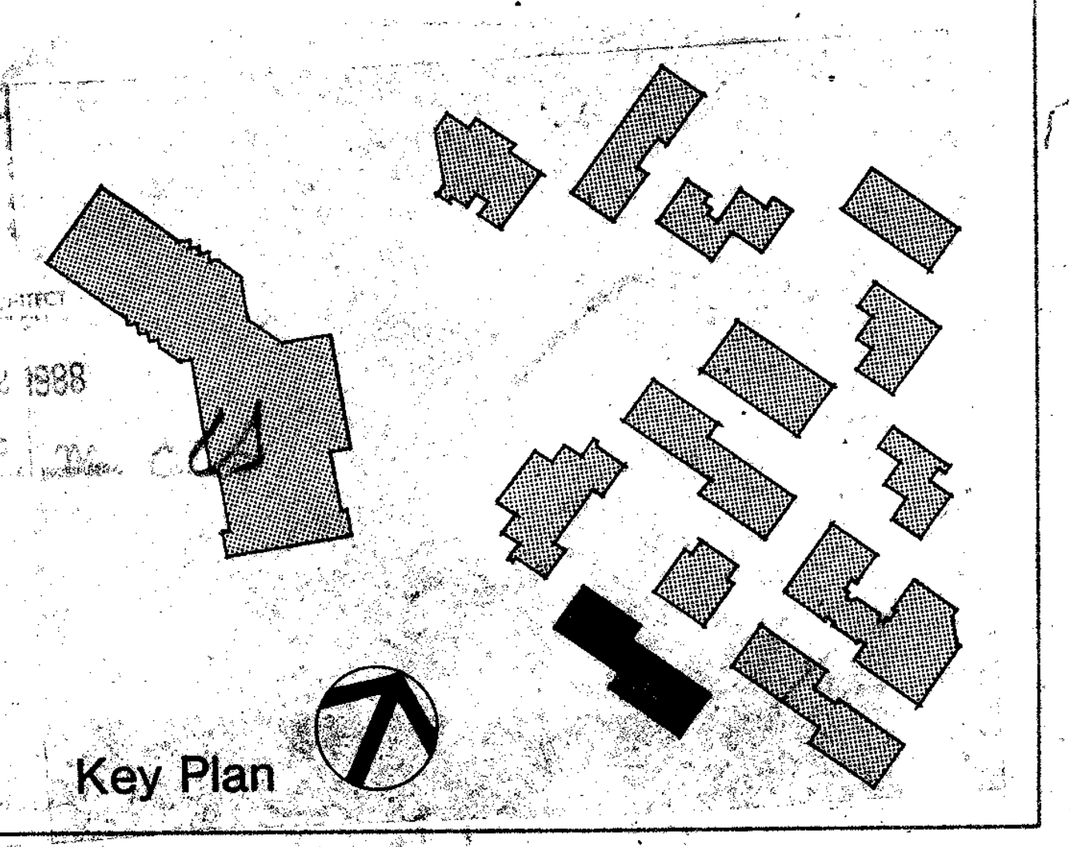
GENERAL NOTES:

1. SEE SHEET M-1 FOR ABBREVIATIONS AND SYMBOLS.
2. SEE SHEETS M-2, M-3, M-4, M-5, AND M-6 FOR SCHEDULES.
3. SEE SHEETS M-23, M-24, M-25, AND M-22 FOR DETAILS.
4. SEE SHEETS M-27, M-28, AND M-26 FOR CONTROLS.

OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY

A 49 27 JUN 24 1988

APPROVED FIRE AND PANIC ONLY



Drawn By S.G.
Checked By G.M.
Date MARCH, 1988
Commission No. 1-30-05

Revisions
BID JANUARY 1991

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West Hills High School
Grossmont Union High School District
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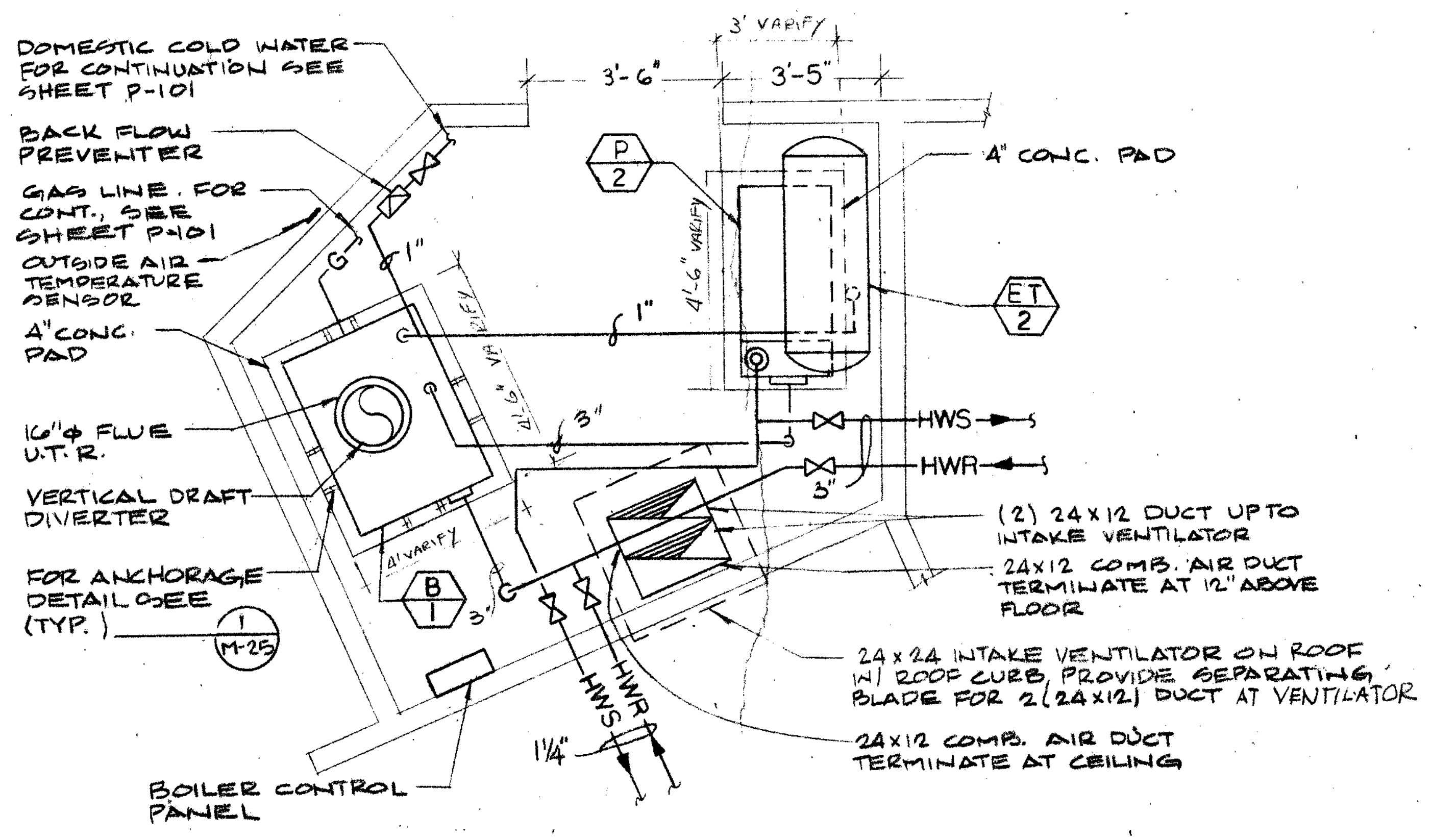
MECHANICAL FLOOR PLAN BLDG. "13"

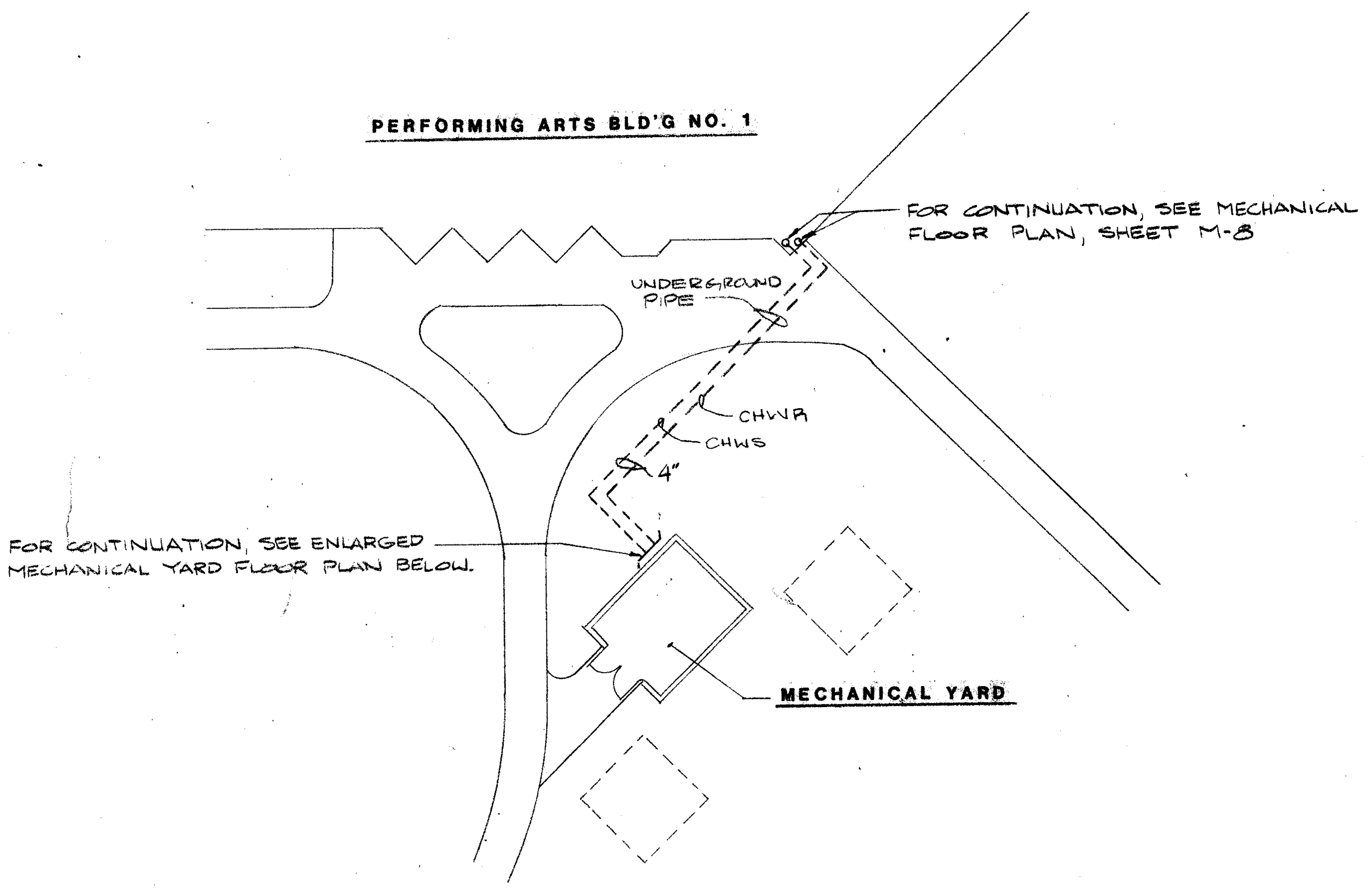
Sheet Number
M-19
13901 Sheets

INCREMENT 2


DOMESTIC COLD WATER FOR CONTINUATION SEE SHEET P-101
BACK FLOW PREVENTER
GAS LINE. FOR CONT., SEE SHEET P-101
OUTSIDE AIR TEMPERATURE SENSOR
4" CONC. PAD
16"φ FLUE U.T.R.
VERTICAL DRAFT DIVERTER
FOR ANCHORAGE DETAIL SEE (TYP.)
1 M-25
BOILER CONTROL PANEL
3' VARIFY
3'-6"
3'-5"
4'-6" VARIFY
4' VARIFY
P 2
4" CONC. PAD
ET 2
B 1
G
1"
3"
HWS
HWR
1 1/4"
(2) 24X12 DUCT UP TO INTAKE VENTILATOR
24X12 COMB. AIR DUCT TERMINATE AT 12" ABOVE FLOOR
24X24 INTAKE VENTILATOR ON ROOF W/ ROOF CURB, PROVIDE SEPARATING BLADE FOR 2(24X12) DUCT AT VENTILATOR
24X12 COMB. AIR DUCT TERMINATE AT CEILING

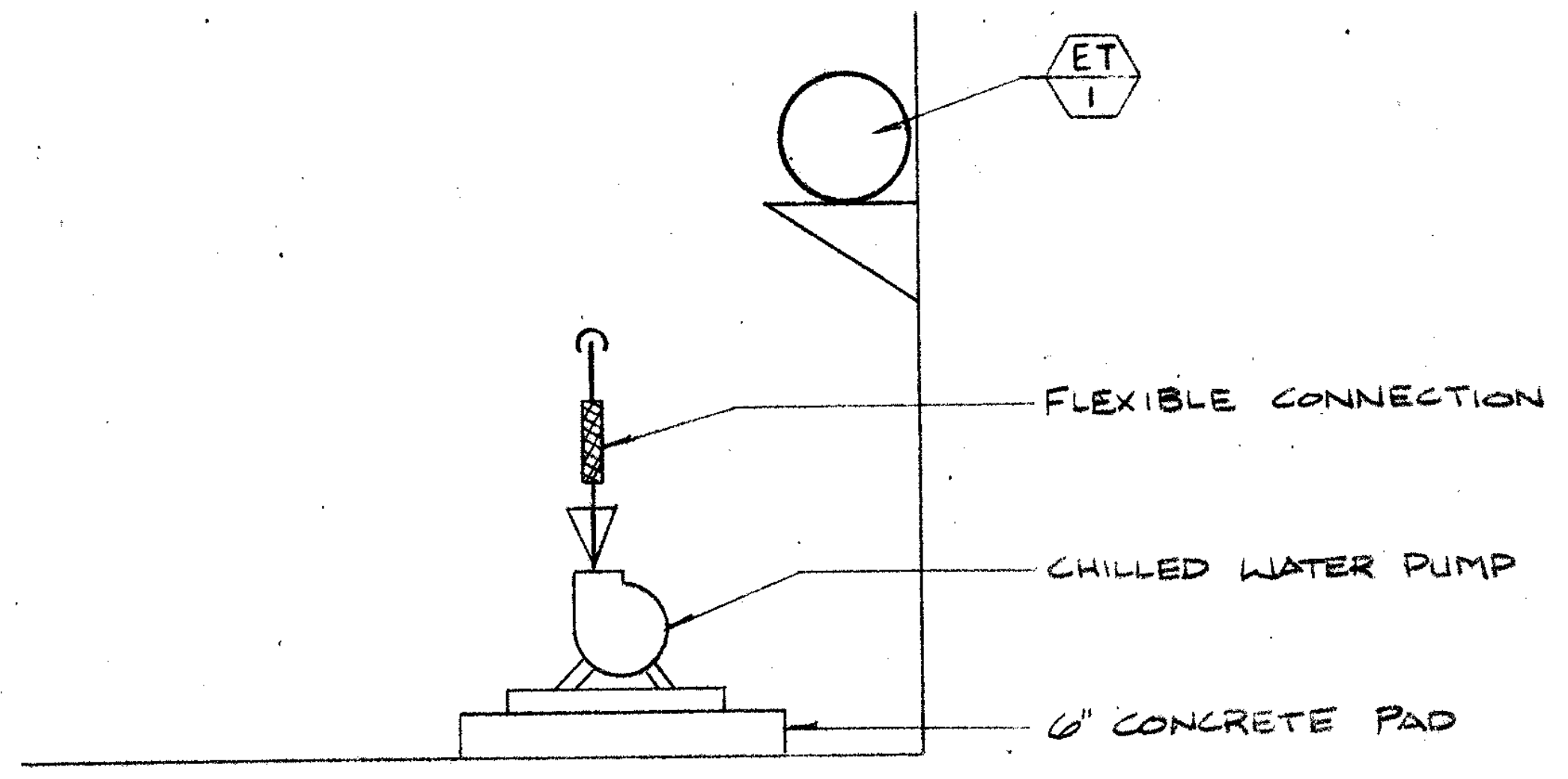
ENLARGED BOILER ROOM PLAN

SCALE: 3/8"=1'-0"


PERFORMING ARTS BLD'G NO. 1
FOR CONTINUATION, SEE MECHANICAL FLOOR PLAN, SHEET M-8
UNDERGROUND PIPE
CHWR
CHWS
4"
FOR CONTINUATION, SEE ENLARGED MECHANICAL YARD FLOOR PLAN BELOW.
MECHANICAL YARD

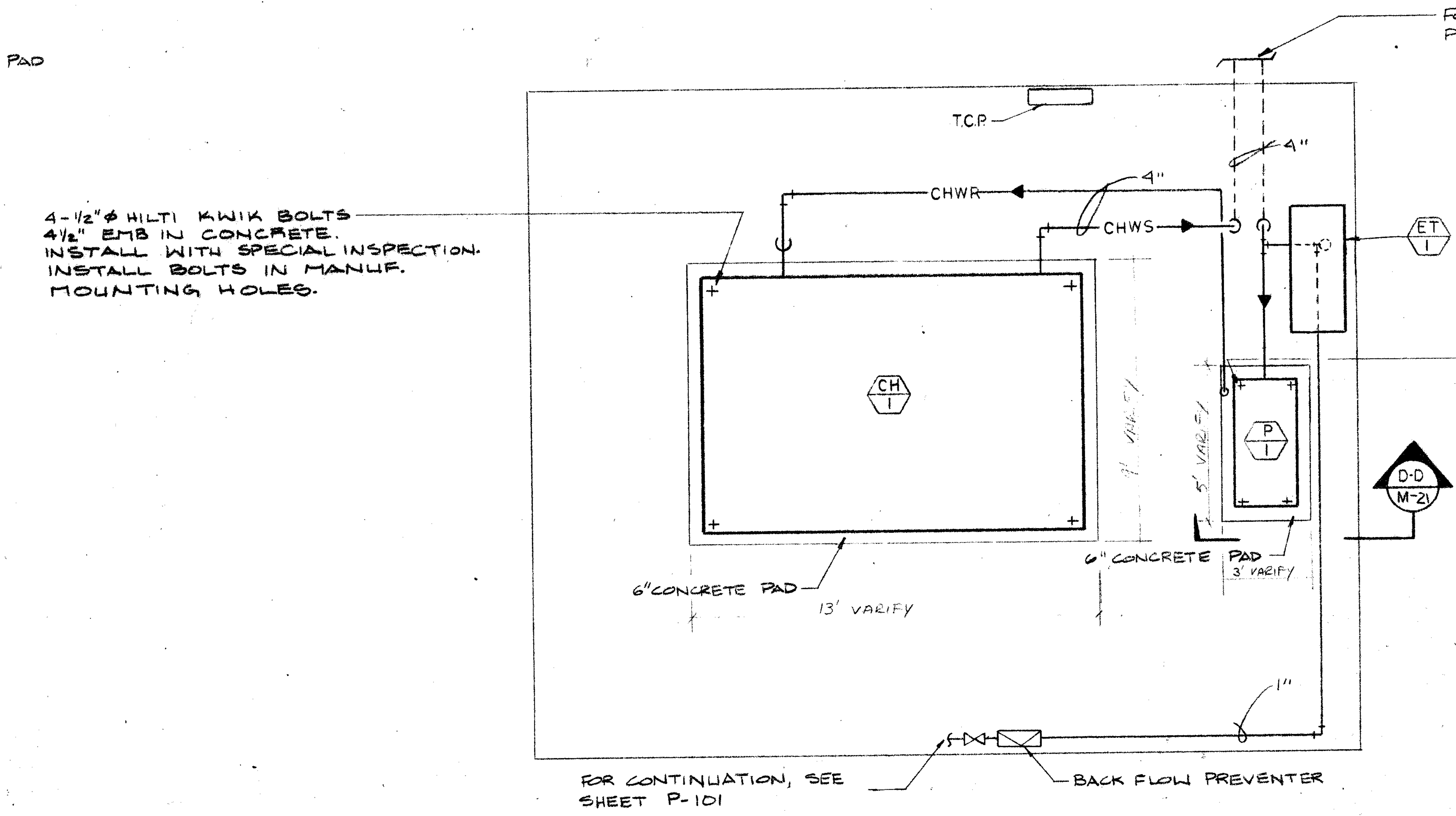
PARTIAL SITE PLAN

SCALE: 1"=20'-0"


ET 1
FLEXIBLE CONNECTION
CHILLED WATER PUMP
6" CONCRETE PAD

SECTION D-D

SCALE: 1/2"=1'-0"

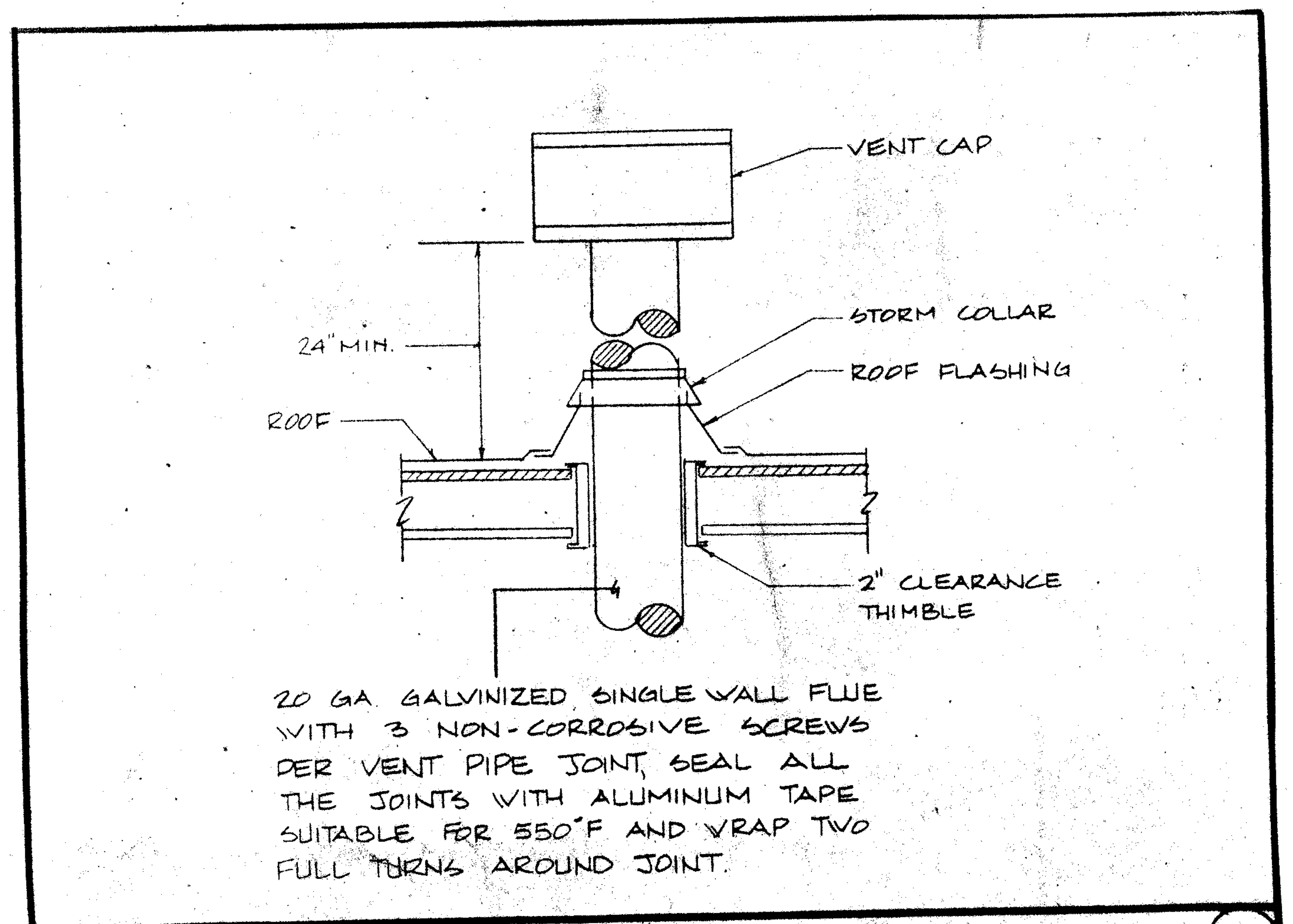

FOR CONTINUATION, SEE PARTIAL SITE PLAN ABOVE.
T.C.P.
CHWR
CHWS
4"
ET 1
4-1/2"φ HILTI KWIK BOLTS 4 1/2" EMB IN CONCRETE. INSTALL WITH SPECIAL INSPECTION. INSTALL BOLTS IN MANUF. MOUNTING HOLES.
CH 1
P 1
4-3/8"φ HILTI KWIK BOLTS, 3 1/2" EMB. CONCRETE WITH SPECIAL INSPECTION. INSTALL BOLTS IN MANUF. MOUNTING HOLES.
D-D M-21
6" CONCRETE PAD
6" CONCRETE PAD
3' VARIFY
5' VARIFY
13' VARIFY
1"
BACK FLOW PREVENTER
FOR CONTINUATION, SEE SHEET P-101

ENLARGED MECHANICAL YARD PLAN

SCALE: 3/8"=1'-0"

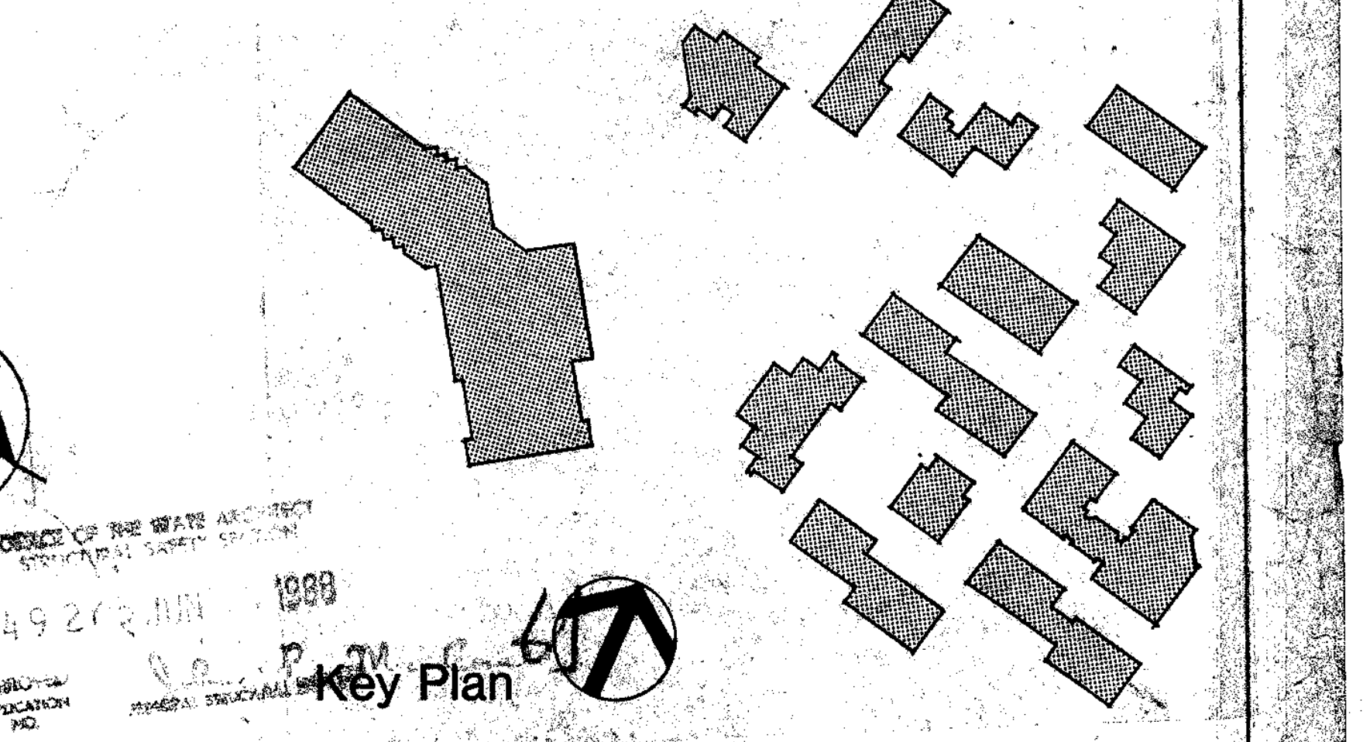
GENERAL NOTES:

1. SEE SHEET M-1 FOR ABBREVIATIONS AND SYMBOLS.
2. SEE SHEETS M-2, M-3, M-4, M-5, AND M-6 FOR SCHEDULES.
3. SEE SHEETS M-23, M-24, M-25, AND M-26 FOR DETAILS.
4. SEE SHEETS M-27, M-28, AND M-26 FOR CONTROLS.


VENT CAP
STORM COLLAR
ROOF FLASHING
24" MIN.
ROOF
2" CLEARANCE THIMBLE

20 GA. GALVANIZED SINGLE WALL FLUE WITH 3 NON-CORROSIVE SCREWS PER VENT PIPE JOINT, SEAL ALL THE JOINTS WITH ALUMINUM TAPE SUITABLE FOR 550°F AND WRAP TWO FULL TURNS AROUND JOINT.

POWER VENTED UNIT HEATER FLUE DETAIL ①



Key Plan

OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION
A 49 2 JUN 1988
APPROVED APPLICATION NO.

Drawn By S.S.	Revisions
Checked By Q.M.	
Date MARCH, 1988	
Commission No 1-30-05	BID JANUARY 1991

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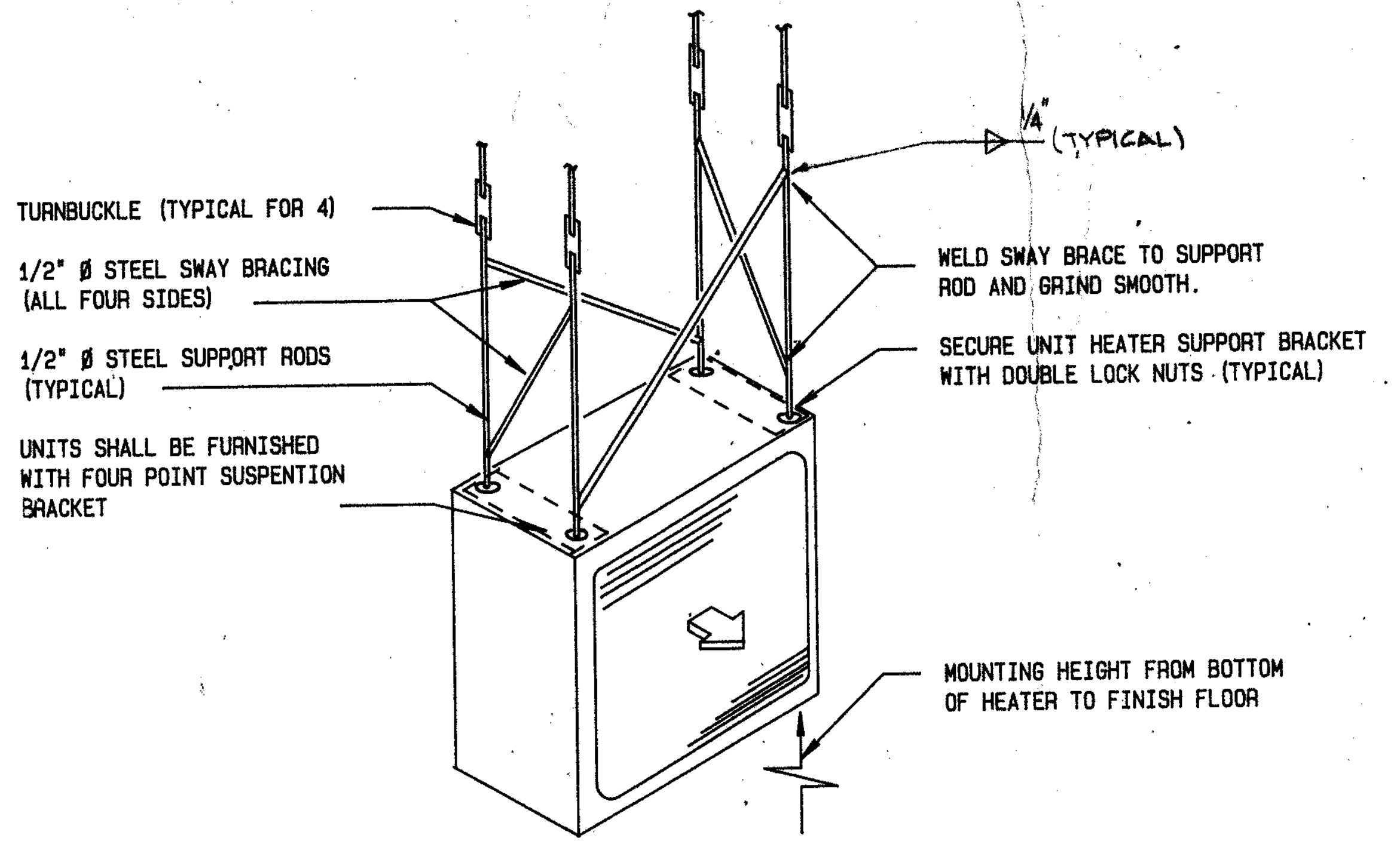
Grossmont Union High School District
San Diego, Ca
San Diego County

MECHANICAL YARD & SITE PLAN

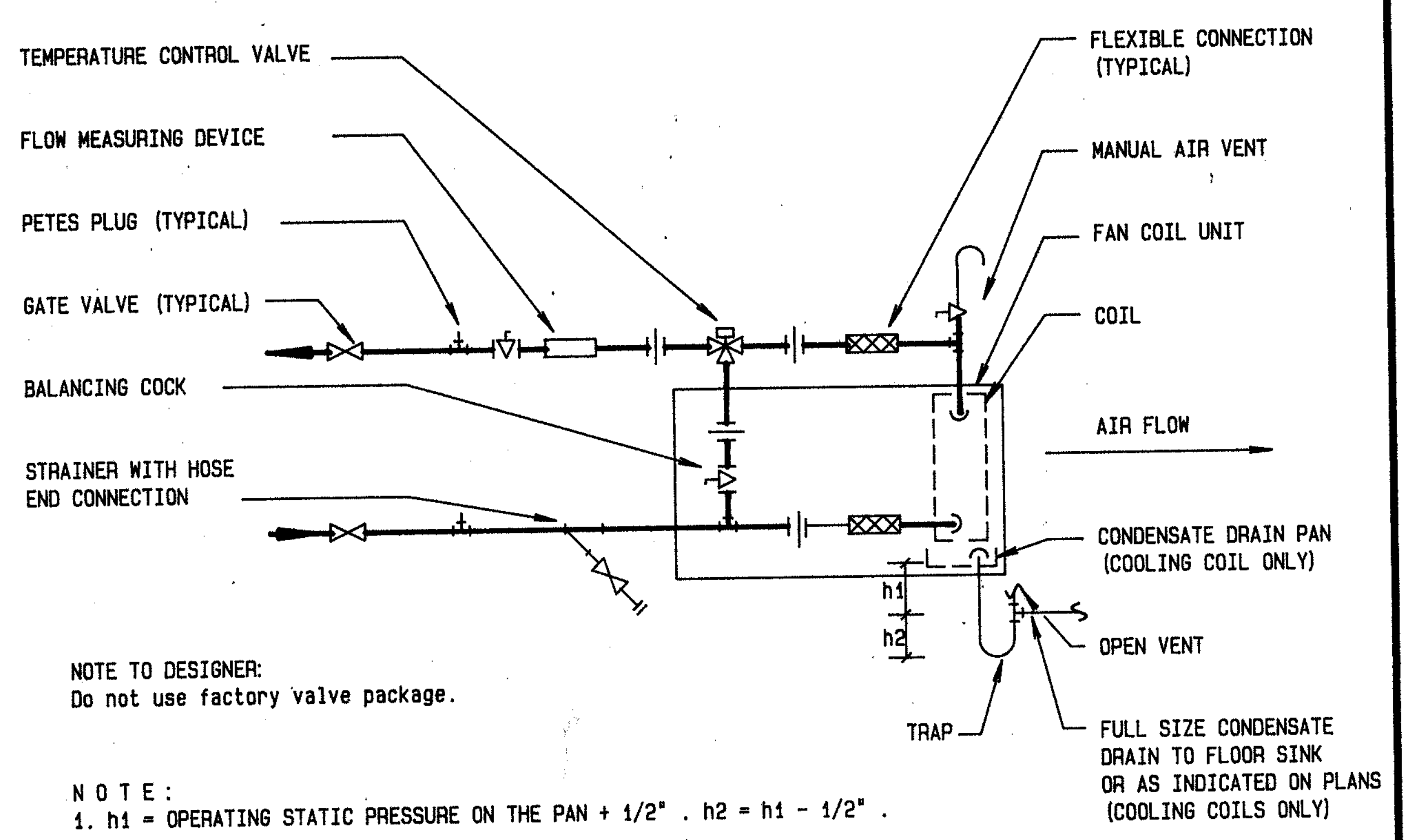
Sheet Number
M-21
14001 Sheets

INCREMENT 2


1/4" (TYPICAL)
TURNBUCKLE (TYPICAL FOR 4)
1/2" Ø STEEL SWAY BRACING (ALL FOUR SIDES)
1/2" Ø STEEL SUPPORT RODS (TYPICAL)
UNITS SHALL BE FURNISHED WITH FOUR POINT SUSPENTION BRACKET
WELD SWAY BRACE TO SUPPORT ROD AND GRIND SMOOTH.
SECURE UNIT HEATER SUPPORT BRACKET WITH DOUBLE LOCK NUTS (TYPICAL)
MOUNTING HEIGHT FROM BOTTOM OF HEATER TO FINISH FLOOR

NOTES:
1. SUSPENSION ROD & SWAY BRACING SIZES SHALL BE CONFIRMED BY STRUCTURAL ENGINEER.
2. SWAY BRACING IS ONLY REQUIRED WHEN SUSPENSION RODS LENGTH EXCEED 6".
3. UPPER ATTACHMENTS (ANCHORS) SHALL BE PER SMACNA & DETAIL 20/TS-1

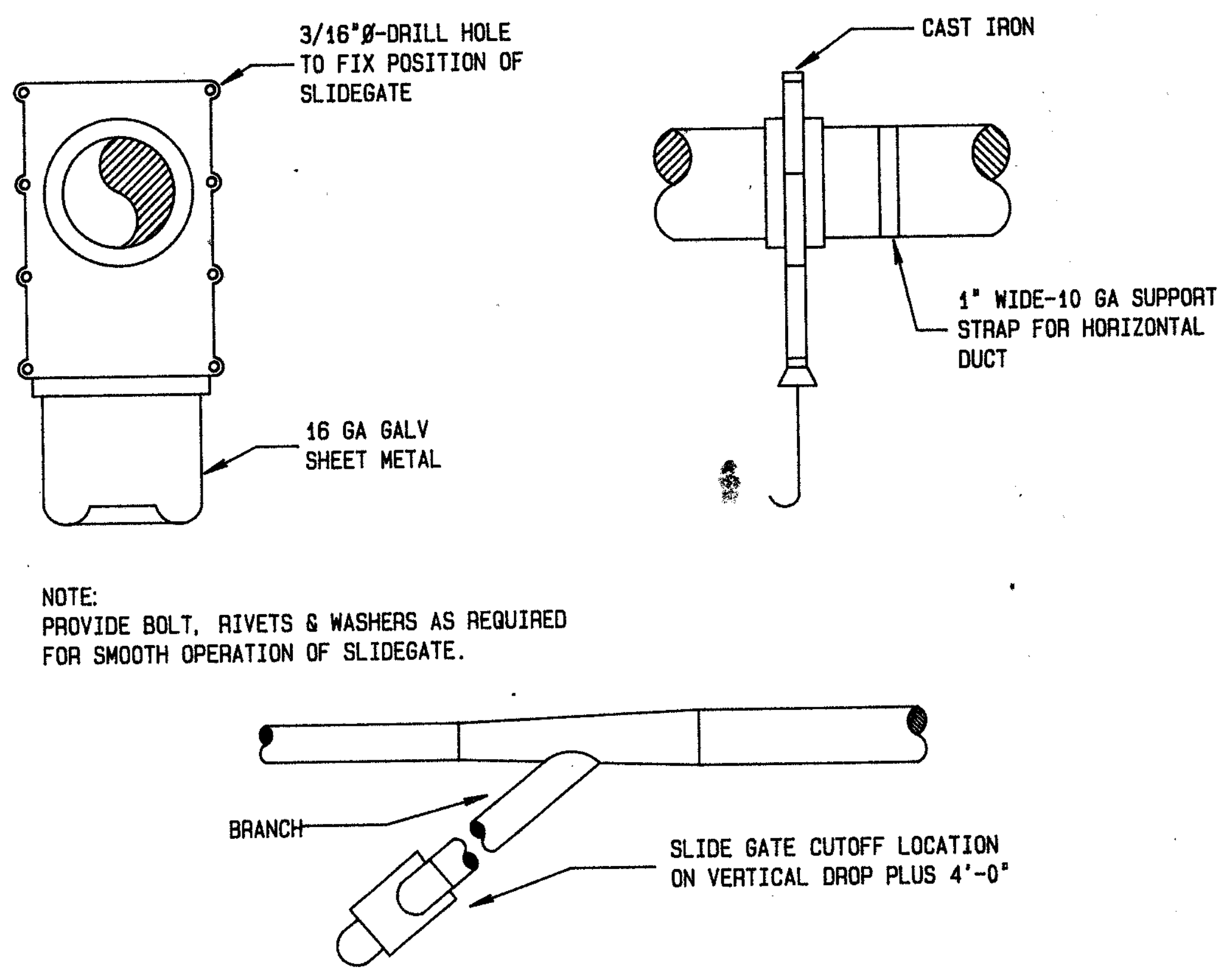
SUSPENDED UNIT HEATER SUPPORT ①


TEMPERATURE CONTROL VALVE
FLOW MEASURING DEVICE
PETES PLUG (TYPICAL)
GATE VALVE (TYPICAL)
BALANCING COCK
STRAINER WITH HOSE END CONNECTION
FLEXIBLE CONNECTION (TYPICAL)
MANUAL AIR VENT
FAN COIL UNIT
COIL
AIR FLOW
CONDENSATE DRAIN PAN (COOLING COIL ONLY)
h1
h2
OPEN VENT
TRAP
FULL SIZE CONDENSATE DRAIN TO FLOOR SINK OR AS INDICATED ON PLANS (COOLING COILS ONLY)

NOTE TO DESIGNER:
Do not use factory valve package.

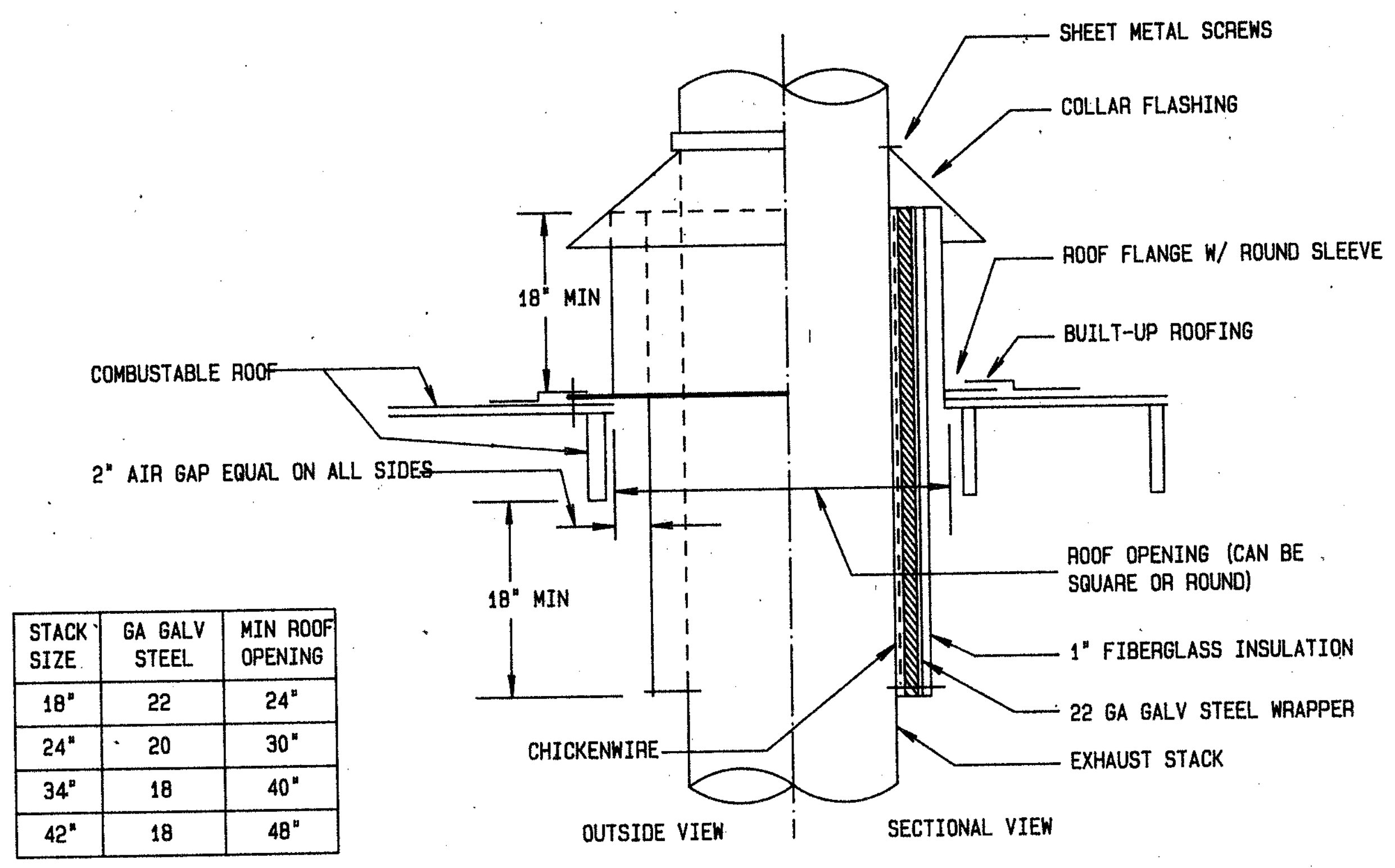
NOTE:
1. h1 = OPERATING STATIC PRESSURE ON THE PAN + 1/2" . h2 = h1 - 1/2" .

FAN COIL UNIT PIPING DIAGRAM ②


3/16"Ø-DRILL HOLE TO FIX POSITION OF SLIDEGATE
16 GA GALV SHEET METAL
CAST IRON
1" WIDE-10 GA SUPPORT STRAP FOR HORIZONTAL DUCT
BRANCH
SLIDE GATE CUTOFF LOCATION ON VERTICAL DROP PLUS 4'-0"

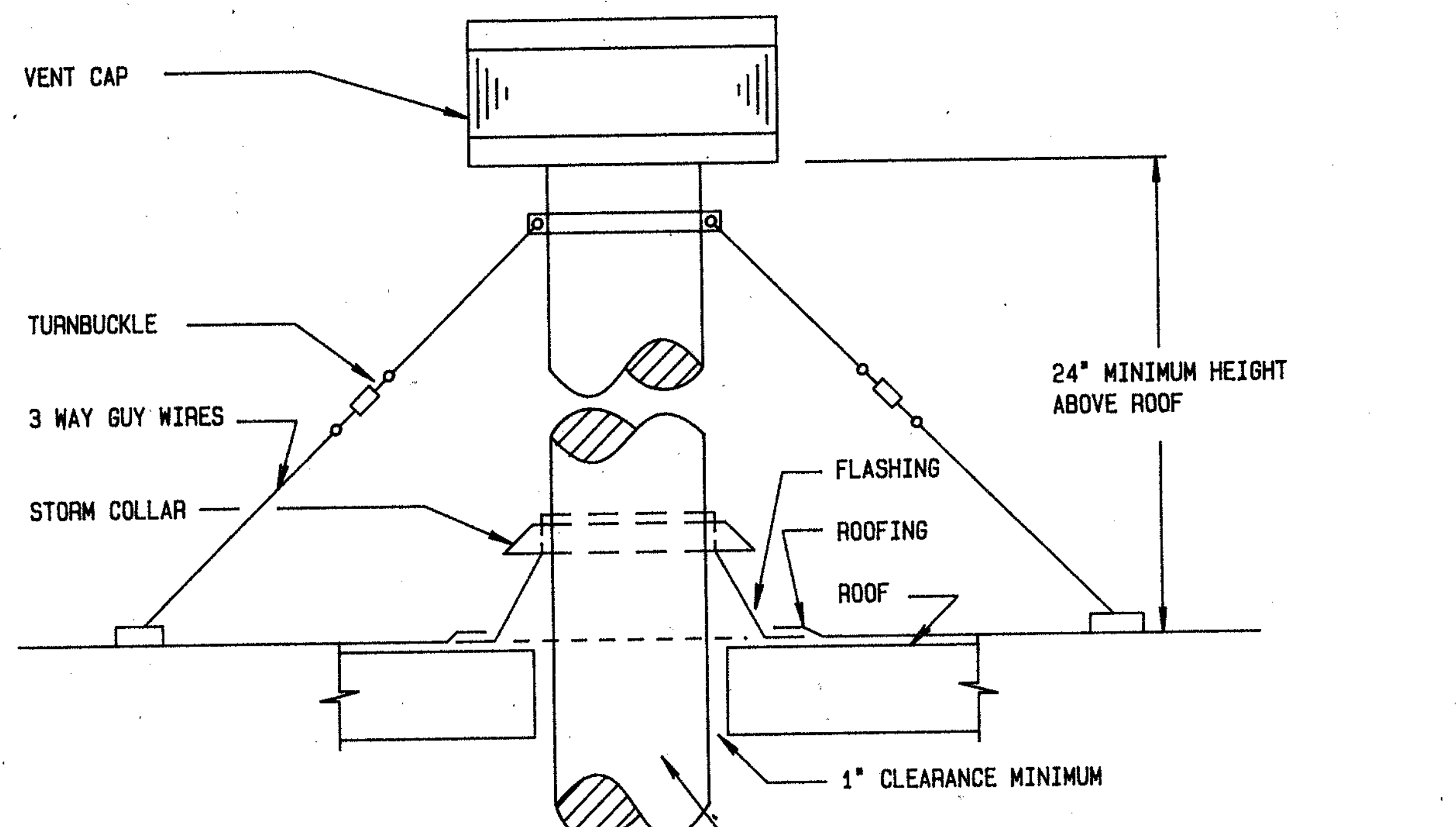
NOTE:
PROVIDE BOLT, RIVETS & WASHERS AS REQUIRED FOR SMOOTH OPERATION OF SLIDEGATE.

SAWDUST SLIDE GATE ③


SHEET METAL SCREWS
COLLAR FLASHING
ROOF FLANGE W/ ROUND SLEEVE
BUILT-UP ROOFING
18" MIN
COMBUSTABLE ROOF
2" AIR GAP EQUAL ON ALL SIDES
18" MIN
ROOF OPENING (CAN BE SQUARE OR ROUND)
1" FIBERGLASS INSULATION
22 GA GALV STEEL WRAPPER
EXHAUST STACK
CHICKENWIRE
OUTSIDE VIEW
SECTIONAL VIEW

STACK SIZE	GA GALV STEEL	MIN ROOF OPENING
18"	22	24"
24"	20	30"
34"	18	40"
42"	18	48"

SPRAY BOOTH EXHAUST DUCT- PENETRATION THRU ROOF ④

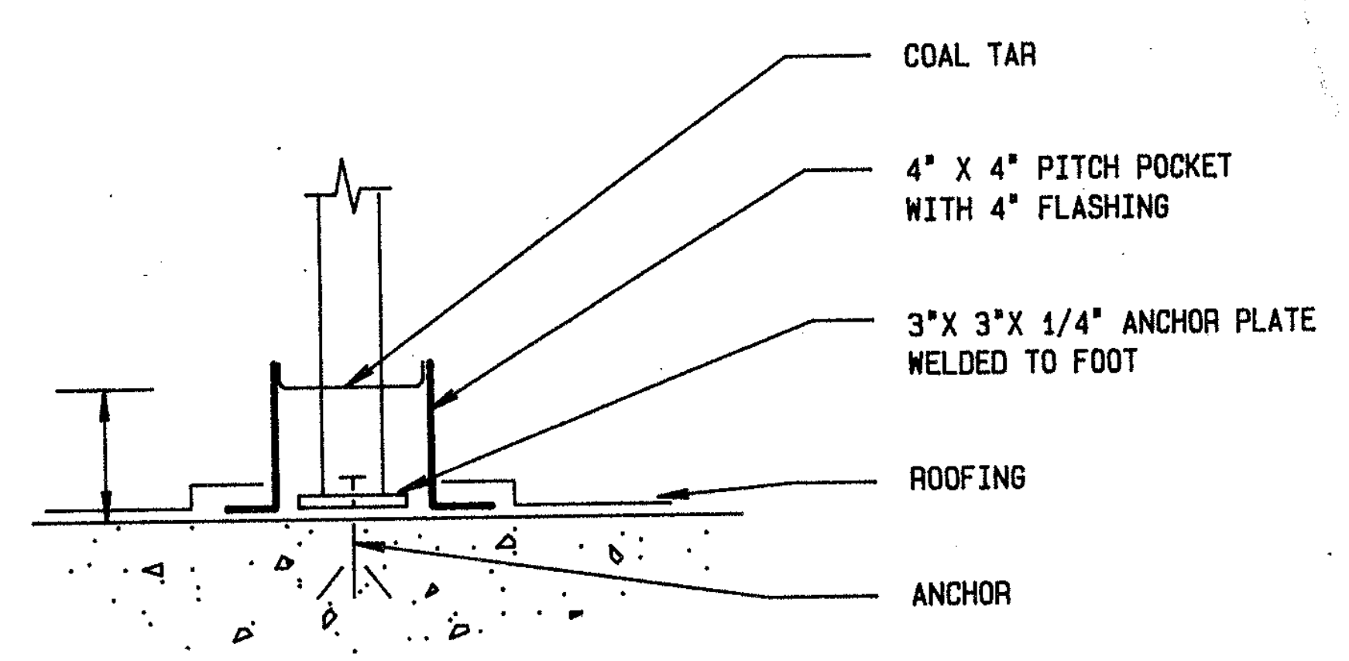

VENT CAP
TURNBUCKLE
3 WAY GUY WIRES
STORM COLLAR
24" MINIMUM HEIGHT ABOVE ROOF
FLASHING
ROOFING
ROOF
1" CLEARANCE MINIMUM

NOTE TO DESIGNER:
1. Coordinate with the architect for type of Guy wire anchors to br used

20 GA GALVANIZED SINGLE WALL FLUE WITH 3 NON-CORROSIVE SCREWS PER VENT PIPE JOINT, SEAL ALL THE JOINTS WITH ALUMINUM TAPE SUITABLE FOR 550° F AND WRAP TWO FULL TURNS AROUND JOINT.

NOTE:
1. FOR VENT STACK HEIGHTS OF 60" OR BELOW, GUY WIRE SUPPORTS ARE NOT REQUIRED.

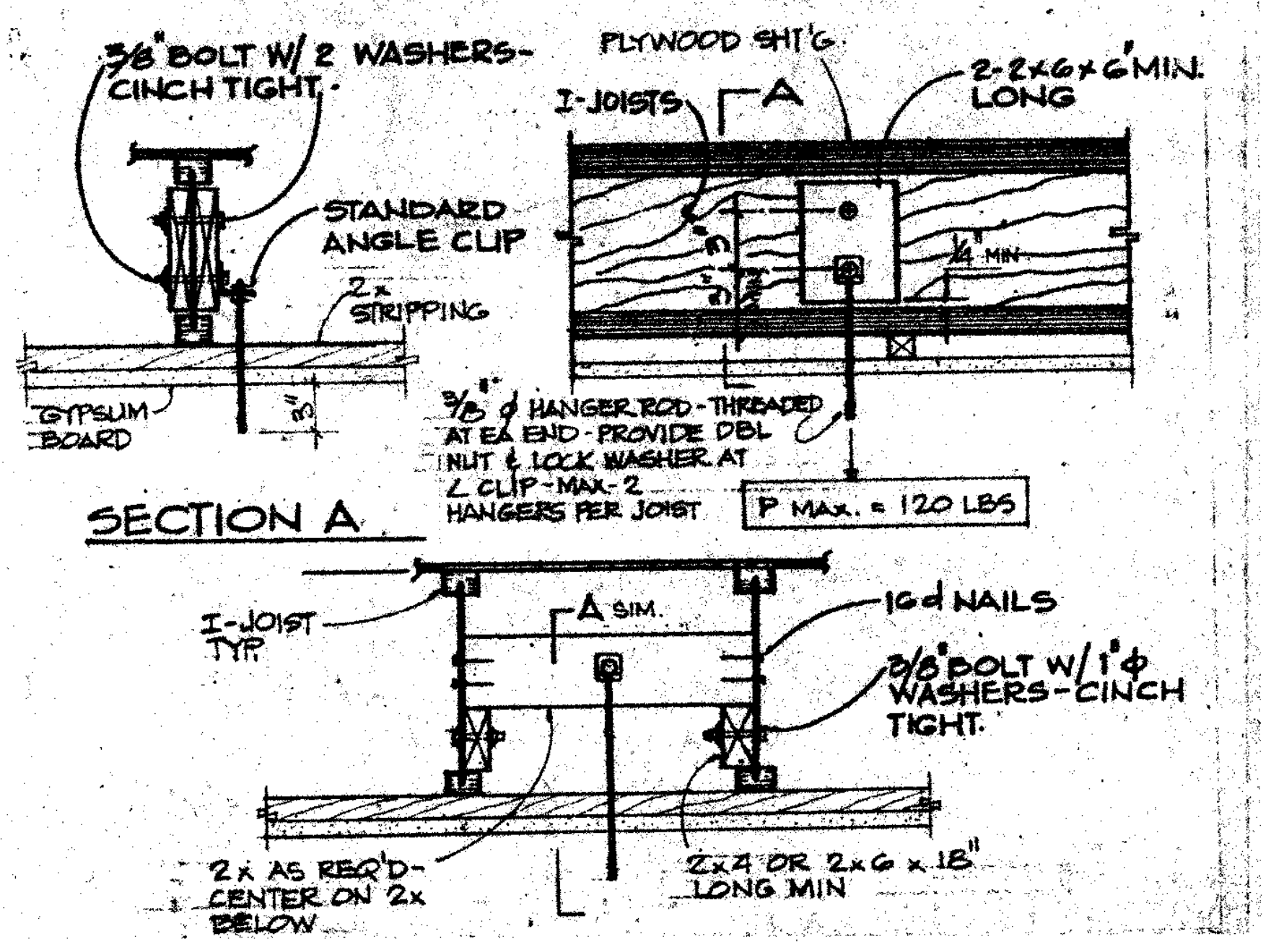
POWER VENTED UNIT HEATER FLUE DETAIL ⑤


COAL TAR
4" X 4" PITCH POCKET WITH 4" FLASHING
3"X 3"X 1/4" ANCHOR PLATE WELDED TO FOOT
ROOFING
ANCHOR

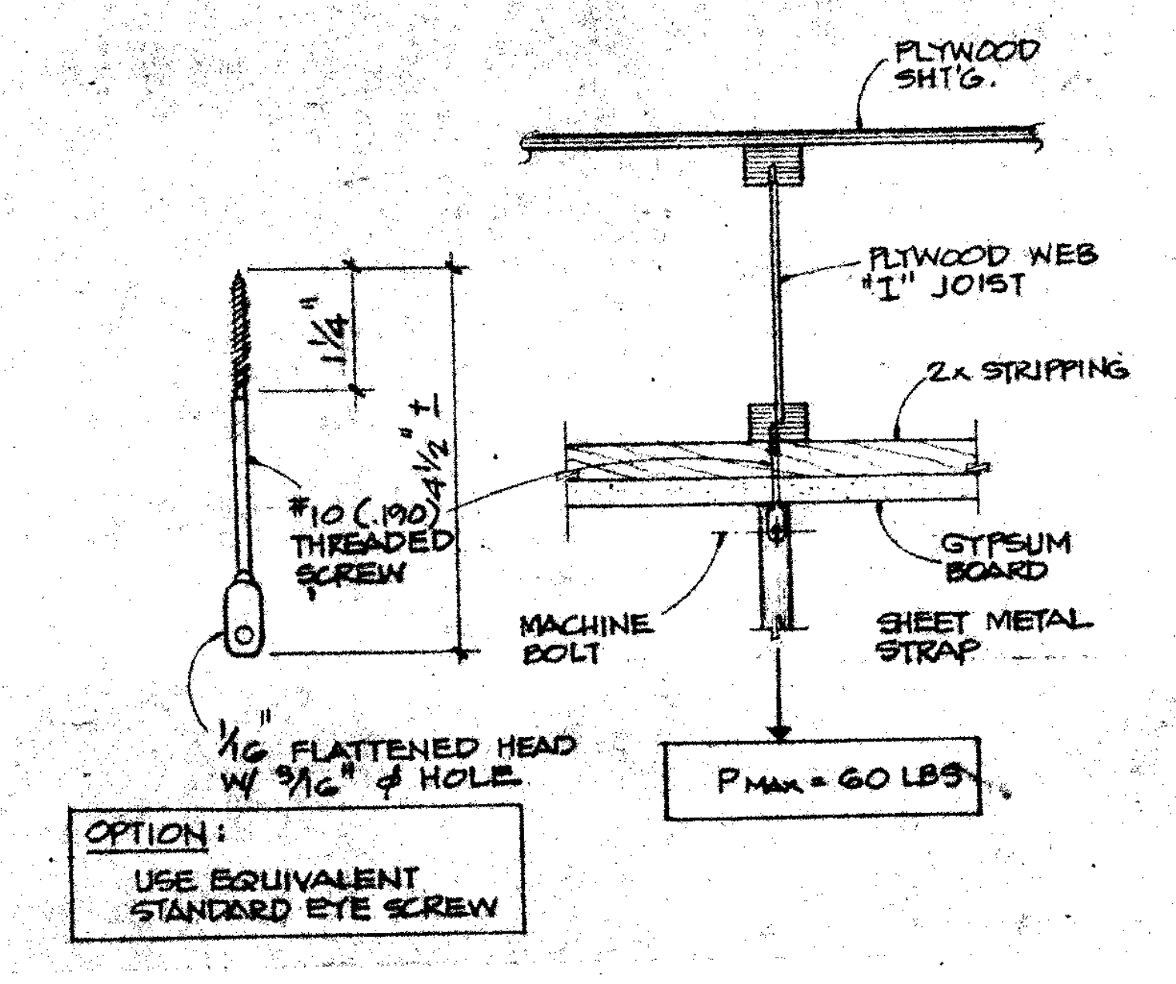
NOTE TO DESIGNER:
1. This detail needs to be coordinated with architect for size & height.

NOTE:
1. TYPE OF ANCHOR TO BE CONFIRMED BY STRUCTURAL ENGINEER.

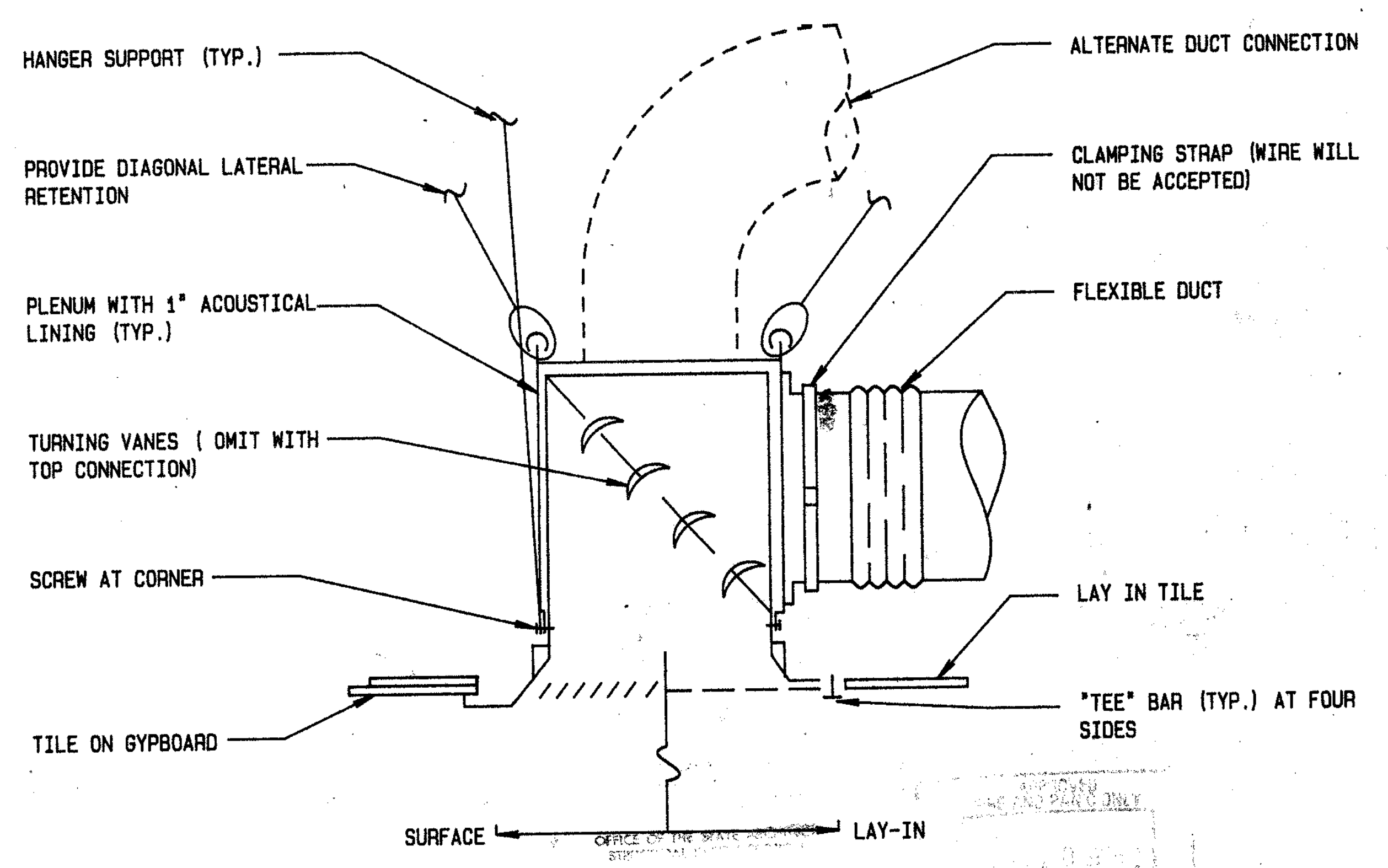
PITCH POCKET SUPPORT DETAIL ⑥


3/8" BOLT W/ 2 WASHERS-CINCH TIGHT.
STANDARD ANGLE CLIP
2x STRIPPING
GYPSUM BOARD
PLYWOOD SHT'G
I-JOISTS
A
2-2x6x6' MIN. LONG
1/4" MIN
3/8" Ø HANGER ROD-THREADED AT EA END-PROVIDE DBL NUT & LOCK WASHER AT ∠ CLIP-MAX-2 HANGERS PER JOIST
P MAX. = 120 LBS
SECTION A
I-JOIST TYP.
A SIM.
16d NAILS
3/8" BOLT W/ 1" Ø WASHERS-CINCH TIGHT.
2x AS REQ'D-CENTER ON 2x BELOW
2x4 OR 2x6 x 18" LONG MIN

TYP. EQUIPMENT HANGER DETAIL ⑦


PLYWOOD SHT'G.
PLYWOOD WEB "I" JOIST
2x STRIPPING
GYPSUM BOARD
SHEET METAL STRAP
MACHINE BOLT
1 1/4"
4 1/2" ±
#10 (.190) THREADED SCREW
1/16" FLATTENED HEAD W/ 9/16" Ø HOLE
P MAX = 60 LBS
OPTION: USE EQUIVALENT STANDARD EYE SCREW

TYP. DUCT HANGER DETAIL ⑧


HANGER SUPPORT (TYP.)
PROVIDE DIAGONAL LATERAL RETENTION
PLENUM WITH 1" ACOUSTICAL LINING (TYP.)
TURNING VANES (OMIT WITH TOP CONNECTION)
SCREW AT CORNER
TILE ON GYPBOARD
ALTERNATE DUCT CONNECTION
CLAMPING STRAP (WIRE WILL NOT BE ACCEPTED)
FLEXIBLE DUCT
LAY IN TILE
"TEE" BAR (TYP.) AT FOUR SIDES
SURFACE
LAY-IN

A 49 245 JUN 1988

NOT TO SCALE

SUPPLY & RETURN AIR GRILLE ⑨

Drawn By A.E.
Checked By G.M.
Date MARCH, 1988
Commission No 1-30-05

Revisions
BID JANUARY 1991

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ARCHITECT
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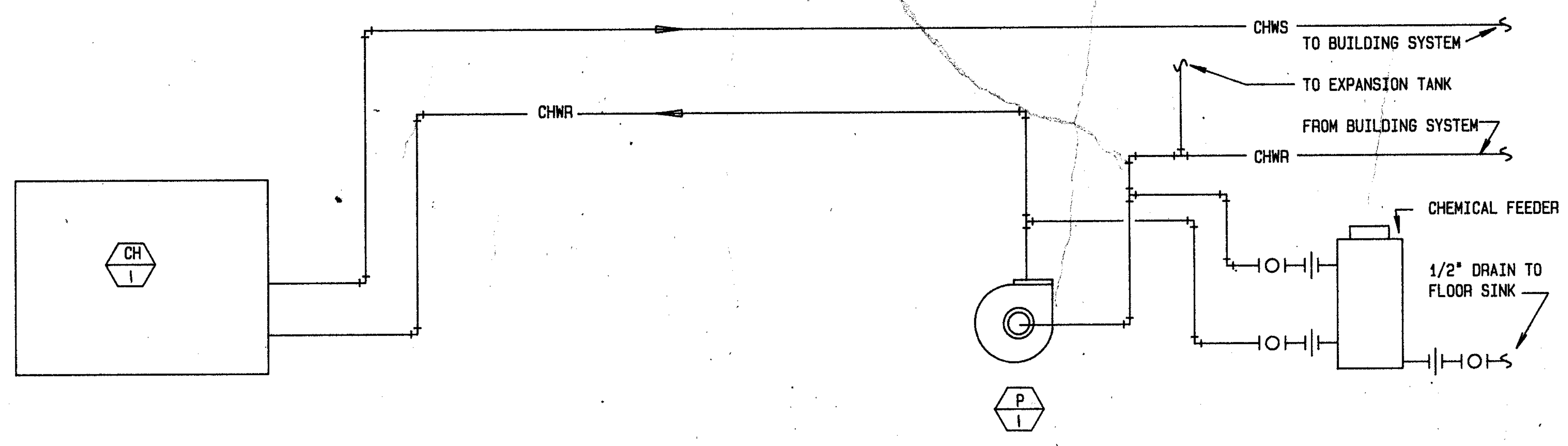
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

DETAILS

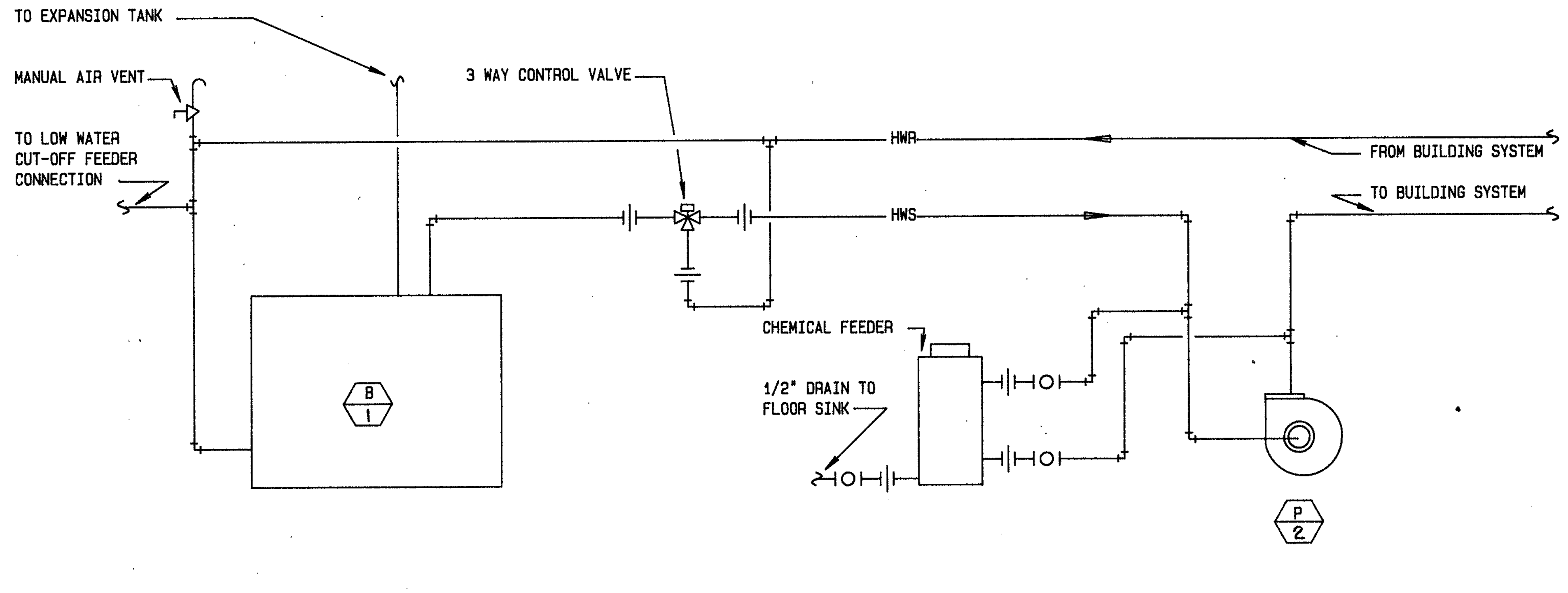
Sheet Number
M-22
141 Of Sheets

INCREMENT 2


CHWS
TO BUILDING SYSTEM
TO EXPANSION TANK
CHWR
FROM BUILDING SYSTEM
CHWR
CHEMICAL FEEDER
1/2" DRAIN TO FLOOR SINK
CH 1
P 1

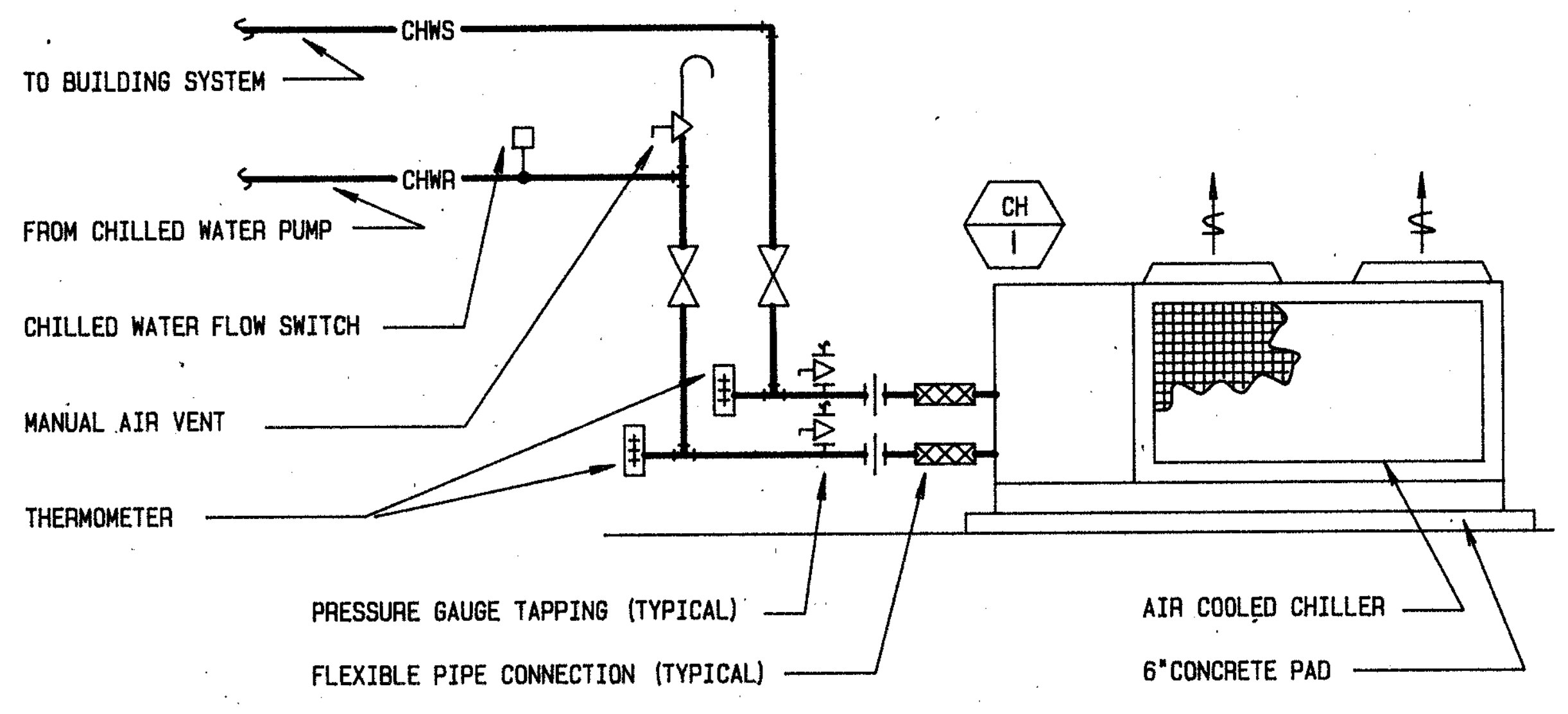
NOTES:
1. FOR CHILLER PIPING AND INSTALLATION DETAIL SEE 3/M-23
2. FOR PUMP PIPING AND INSTALLATION DETAIL SEE 8/M-23
3. FOR EXPANTSION TANK PIPING DIAGRAM SEE 6/M-23

CHILLED WATER FLOW DIAGRAM ①

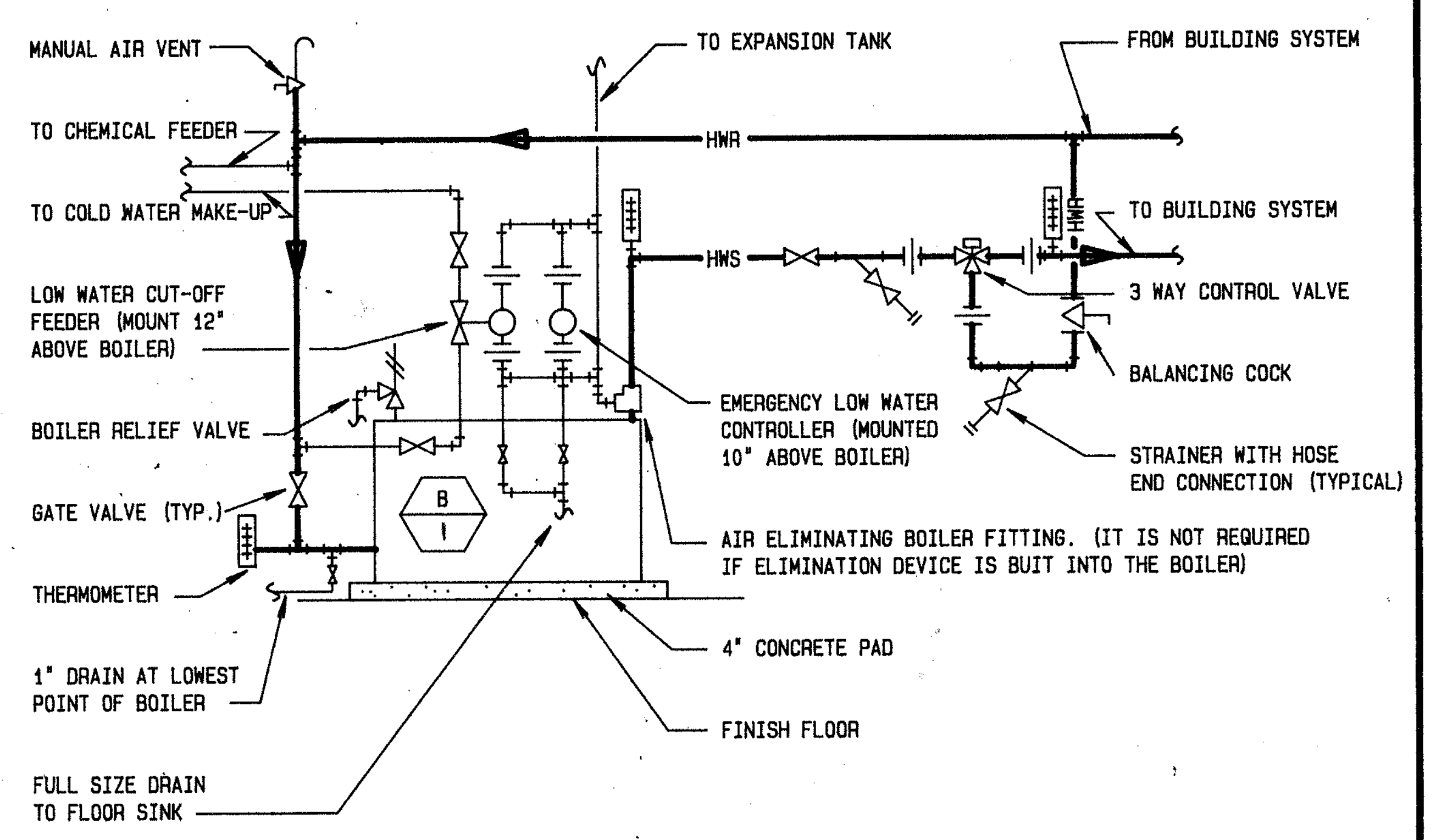

TO EXPANSION TANK
MANUAL AIR VENT
TO LOW WATER CUT-OFF FEEDER CONNECTION
3 WAY CONTROL VALVE
HWR
FROM BUILDING SYSTEM
HWS
TO BUILDING SYSTEM
CHEMICAL FEEDER
1/2" DRAIN TO FLOOR SINK
B 1
P 2

NOTES:
1. FOR BOILER PIPING AND INSTALLATION DETAIL SEE 4/M-23
2. FOR PUMP PIPING AND INSTALLATION DETAIL SEE 8/M-23
3. FOR EXPANTSION TANK PIPING DIAGRAM SEE 6/M-23

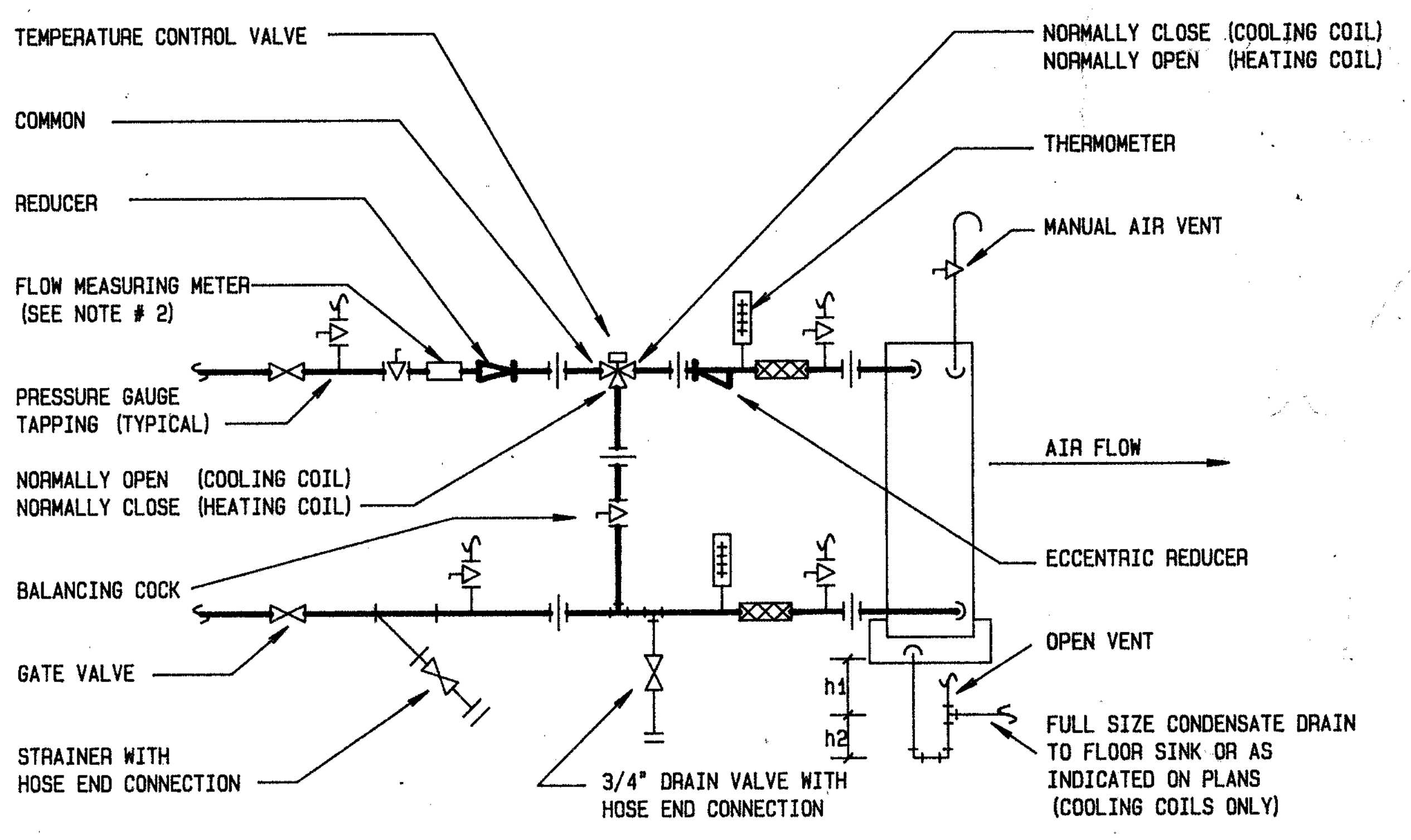
HOT WATER FLOW DIAGRAM ②


CHWS
TO BUILDING SYSTEM
CHWR
FROM CHILLED WATER PUMP
CHILLED WATER FLOW SWITCH
MANUAL AIR VENT
THERMOMETER
CH 1
PRESSURE GAUGE TAPPING (TYPICAL)
FLEXIBLE PIPE CONNECTION (TYPICAL)
AIR COOLED CHILLER
6"CONCRETE PAD

AIR COOLED CHILLER PIPING DIAGRAM ③

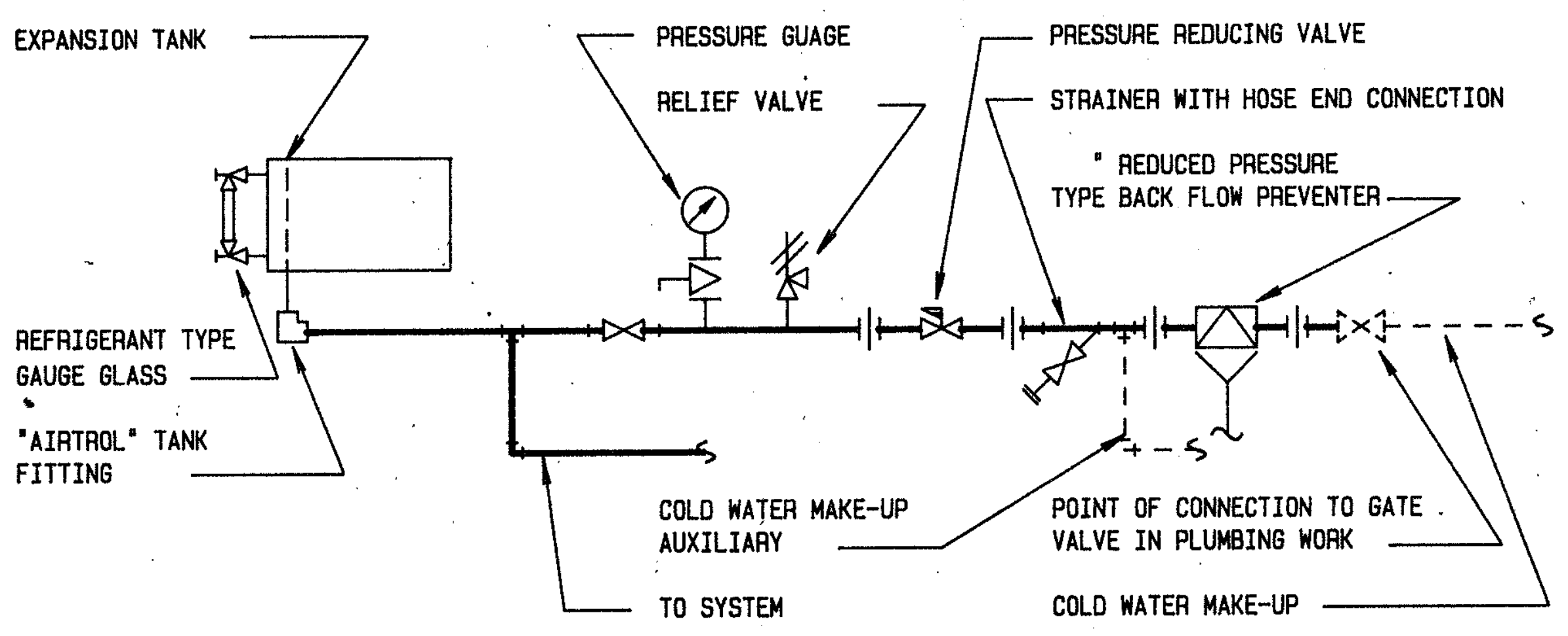

MANUAL AIR VENT
TO CHEMICAL FEEDER
TO COLD WATER MAKE-UP
LOW WATER CUT-OFF FEEDER (MOUNT 12" ABOVE BOILER)
BOILER RELIEF VALVE
GATE VALVE (TYP.)
THERMOMETER
1" DRAIN AT LOWEST POINT OF BOILER
FULL SIZE DRAIN TO FLOOR SINK
TO EXPANSION TANK
HWR
HWS
FROM BUILDING SYSTEM
TO BUILDING SYSTEM
3 WAY CONTROL VALVE
BALANCING COCK
EMERGENCY LOW WATER CONTROLLER (MOUNTED 10" ABOVE BOILER)
STRAINER WITH HOSE END CONNECTION (TYPICAL)
AIR ELIMINATING BOILER FITTING. (IT IS NOT REQUIRED IF ELIMINATION DEVICE IS BUIT INTO THE BOILER)
4" CONCRETE PAD
FINISH FLOOR
B 1

BOILER PIPING DIAGRAM ④


TEMPERATURE CONTROL VALVE
COMMON
REDUCER
FLOW MEASURING METER (SEE NOTE # 2)
PRESSURE GAUGE TAPPING (TYPICAL)
NORMALLY OPEN (COOLING COIL)
NORMALLY CLOSE (HEATING COIL)
BALANCING COCK
GATE VALVE
STRAINER WITH HOSE END CONNECTION
3/4" DRAIN VALVE WITH HOSE END CONNECTION
NORMALLY CLOSE (COOLING COIL)
NORMALLY OPEN (HEATING COIL)
THERMOMETER
MANUAL AIR VENT
AIR FLOW
ECCENTRIC REDUCER
OPEN VENT
FULL SIZE CONDENSATE DRAIN TO FLOOR SINK OR AS INDICATED ON PLANS (COOLING COILS ONLY)
h1
h2

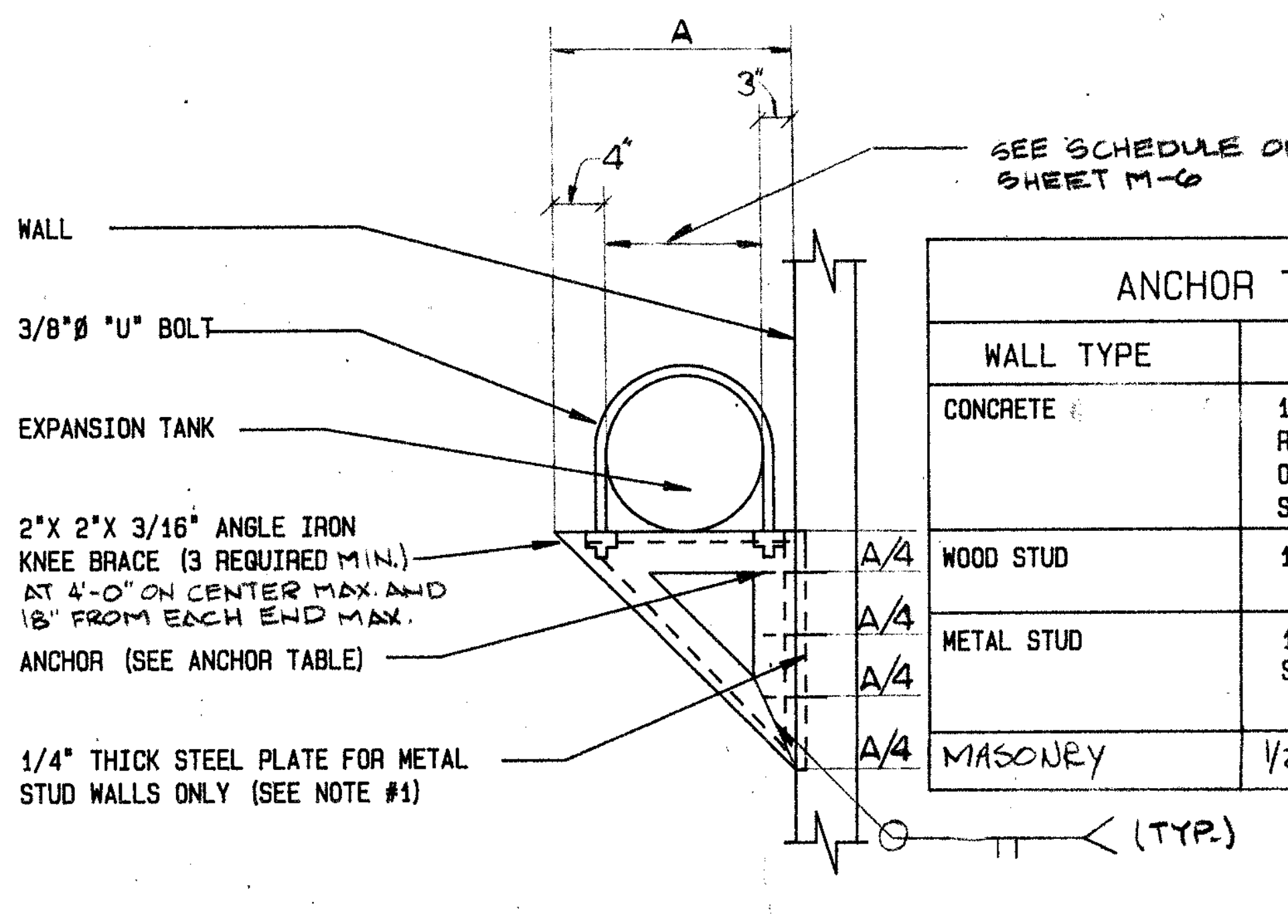
NOTES:
1. h1 = OPERATING STATIC PRESSURE ON THE PAN + 1/2" . h2 = h1 - 1/2" .
2. FLOW MEASURING METER SHALL BE INSTALLED SUCH THAT THERE WILL BE 5 PIPE DIAMETERS OF STRAIGHT PIPE UP STREAM AND 2 PIPE DIAMETERS OF STRAIGHT PIPE DOWN STREAM TO DEVICE.

AIR HANDLING UNIT PIPING DIAGRAM ⑤


EXPANSION TANK
REFRIGERANT TYPE GAUGE GLASS
"AIRTROL" TANK FITTING
PRESSURE GUAGE
RELIEF VALVE
COLD WATER MAKE-UP AUXILIARY
TO SYSTEM
PRESSURE REDUCING VALVE
STRAINER WITH HOSE END CONNECTION
" REDUCED PRESSURE TYPE BACK FLOW PREVENTER
POINT OF CONNECTION TO GATE VALVE IN PLUMBING WORK
COLD WATER MAKE-UP

NOTE:
1. SEE EXPANSION TANK SCHEDULE FOR EXPANSION TANK SIZE AND P.R.V SETTING.

CLOSED EXPANSION TANK PIPING DIAGRAM ⑥

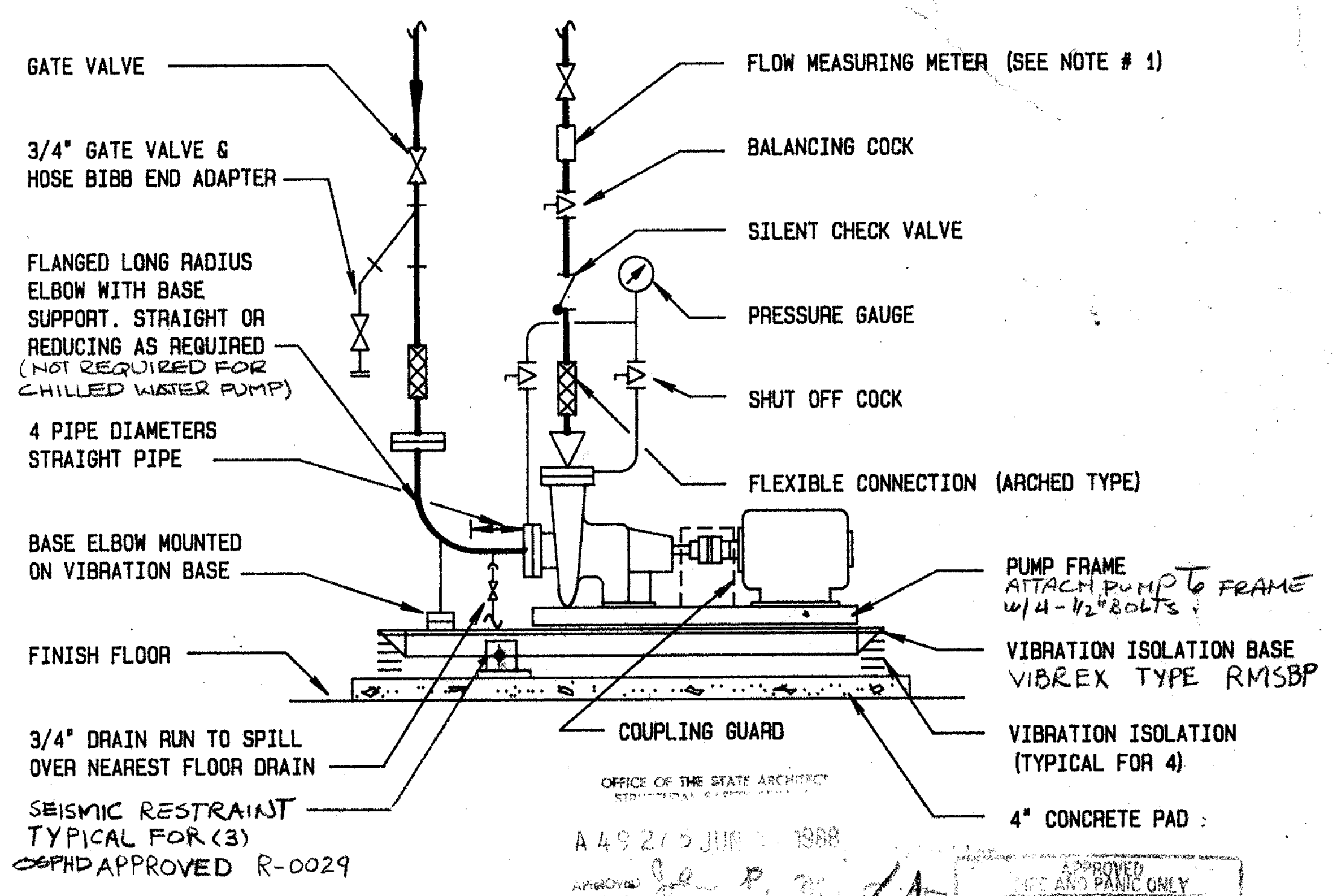

A
3"
4"
SEE SCHEDULE ON SHEET M-6
WALL
3/8"Ø "U" BOLT
EXPANSION TANK
2"X 2"X 3/16" ANGLE IRON KNEE BRACE (3 REQUIRED MIN.) AT 4'-0" ON CENTER MAX. AND 18" FROM EACH END MAX.
ANCHOR (SEE ANCHOR TABLE)
1/4" THICK STEEL PLATE FOR METAL STUD WALLS ONLY (SEE NOTE #1)
A/4
A/4
A/4
A/4
(TYP.)

ANCHOR TABLE

WALL TYPE	ANCHOR TYPE
CONCRETE	1/2" X 4" LONG PHILLIPS RED HEAD CINCH ANCHOR OR ANCHOR BOLT (3 @ EACH SUPPORT) 4" MIN. EMBD.
WOOD STUD	1/2" X 4" LONG LAG BOLT (3 @ EACH SUPPORT)
METAL STUD	1/2" X 4" LONG STEEL STUD WELDED TO PLATE (3 @ EACH SUPPORT)
MASONRY	1/2 Ø ANCHOR BOLT (3 AT EACH SUPPORT)

NOTE:
FOR METAL STUD WALLS, 1/4" THICK STEEL PLATE TO BE WELDED TO 2 METAL STUDS MINIMUM PER SUPPORT (1/16" FILLET WELD EACH SIDE)

EXPANSION TANK SUPPORT ⑦


GATE VALVE
3/4" GATE VALVE & HOSE BIBB END ADAPTER
FLANGED LONG RADIUS ELBOW WITH BASE SUPPORT. STRAIGHT OR REDUCING AS REQUIRED (NOT REQUIRED FOR CHILLED WATER PUMP)
4 PIPE DIAMETERS STRAIGHT PIPE
BASE ELBOW MOUNTED ON VIBRATION BASE
FINISH FLOOR
3/4" DRAIN RUN TO SPILL OVER NEAREST FLOOR DRAIN
SEISMIC RESTRAINT TYPICAL FOR (3) OSHPD APPROVED R-0029
FLOW MEASURING METER (SEE NOTE # 1)
BALANCING COCK
SILENT CHECK VALVE
PRESSURE GAUGE
SHUT OFF COCK
FLEXIBLE CONNECTION (ARCHED TYPE)
PUMP FRAME ATTACH PUMP TO FRAME W/4-1/2" BOLTS
VIBRATION ISOLATION BASE VIBREX TYPE RMSBP
VIBRATION ISOLATION (TYPICAL FOR 4)
COUPLING GUARD
4" CONCRETE PAD

OFFICE OF THE STATE ARCHITECT
A 49 27 5 JUN 1988
APPROVED
APPLICATION NO.

APPROVED FIRE AND PANIC ONLY
JUN 20 1988
BJ
STATE FIRE MARSHAL SOUTHERN REGION

NOTE:
1. FLOW MEASURING METER SHALL BE INSTALLED SUCH THAT THERE WILL BE 5 PIPE DIAMETERS OF STRAIGHT PIPE UP STREAM AND 2 PIPE DIAMETERS OF STRAIGHT PIPE DOWN STREAM TO DEVICE.

FRAME MOUNTED END SUCTION PUMP INSTALLATION ⑧

Drawn By A.E.
Checked By Q.M.
Date MARCH, 1988
Commission No. 1-30-05

Revisions
BID JANUARY 1991

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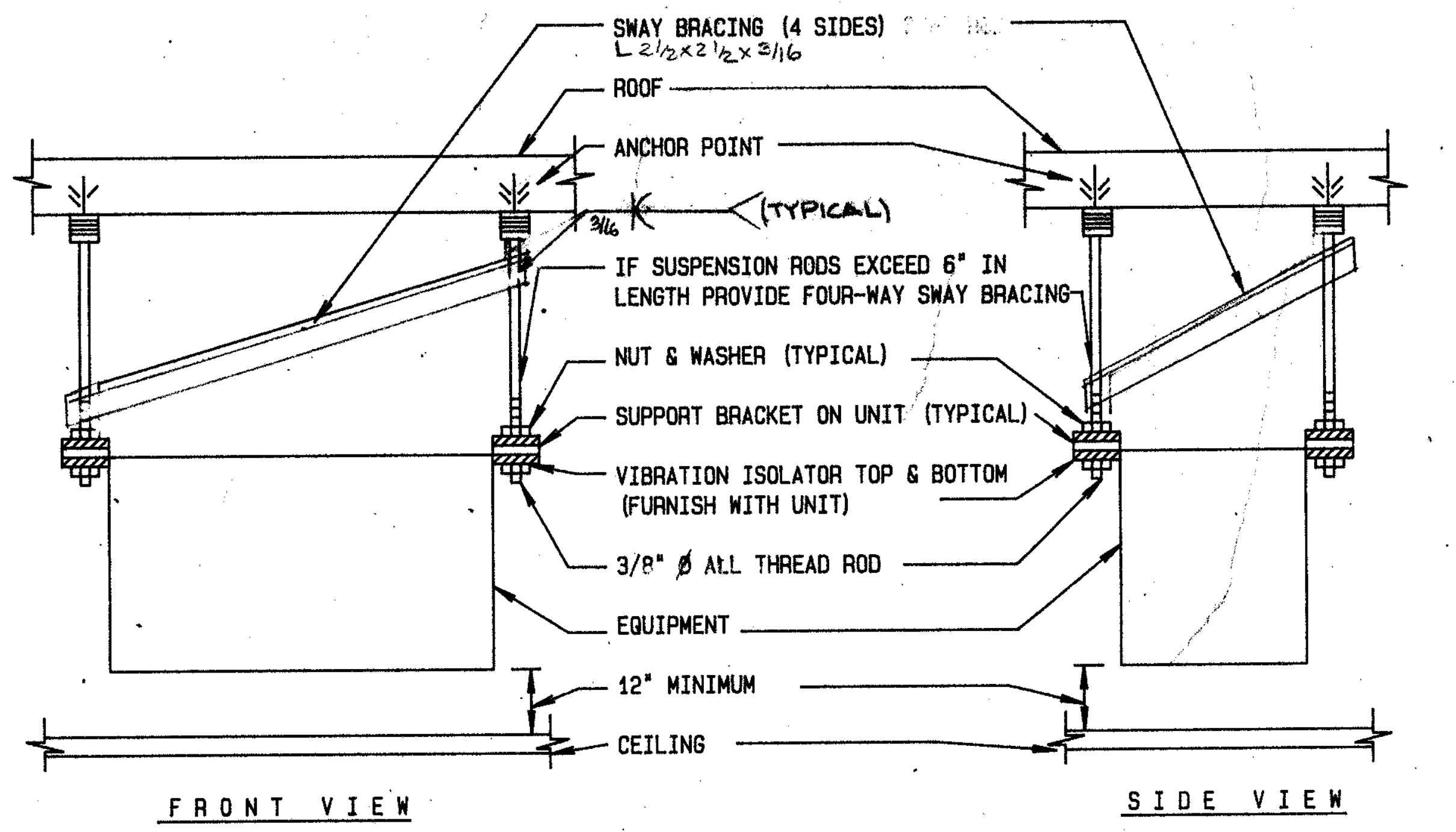
West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

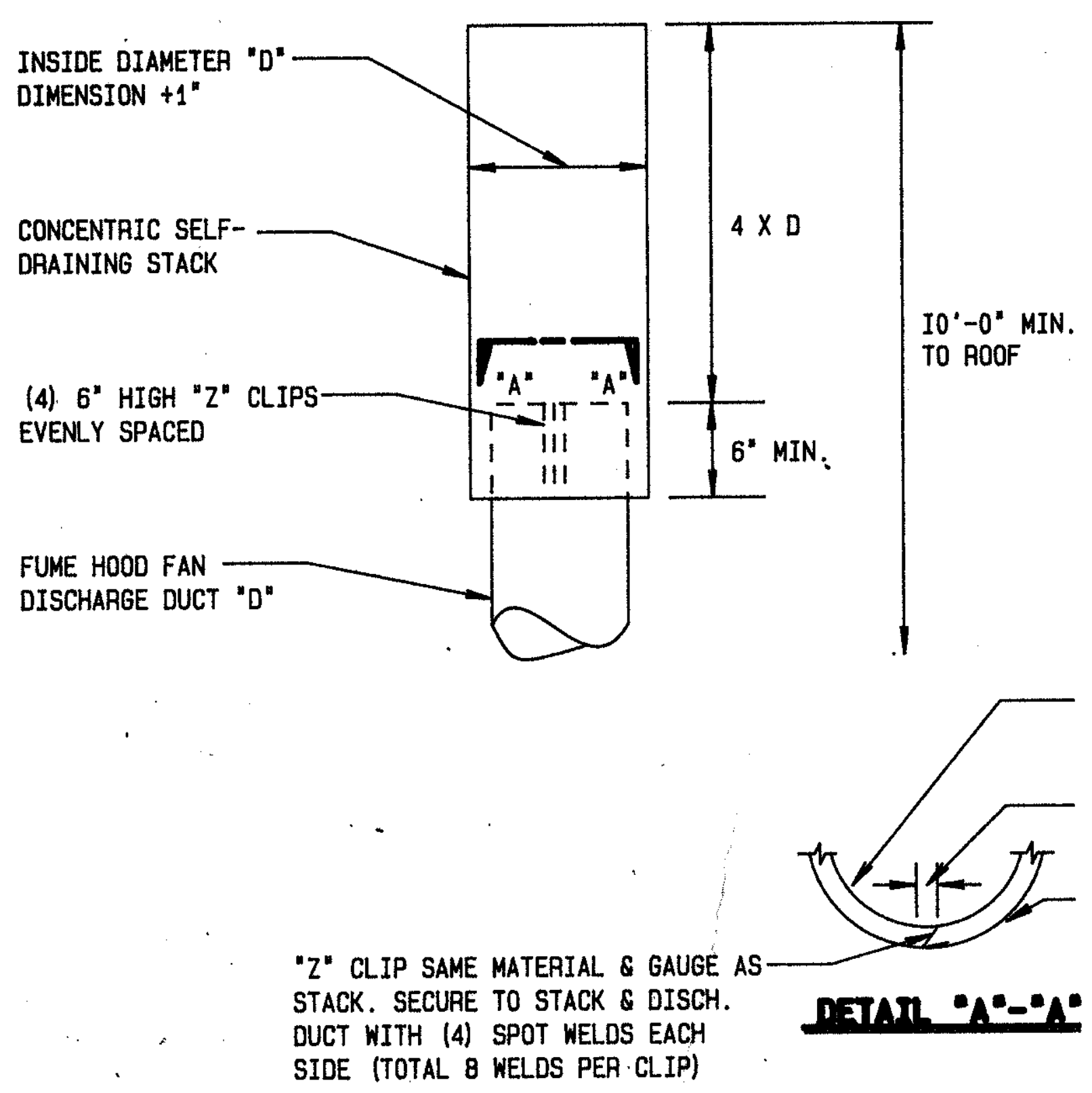
DETAILS

Sheet Number
M-23
1420 Sheets
INCREMENT 2

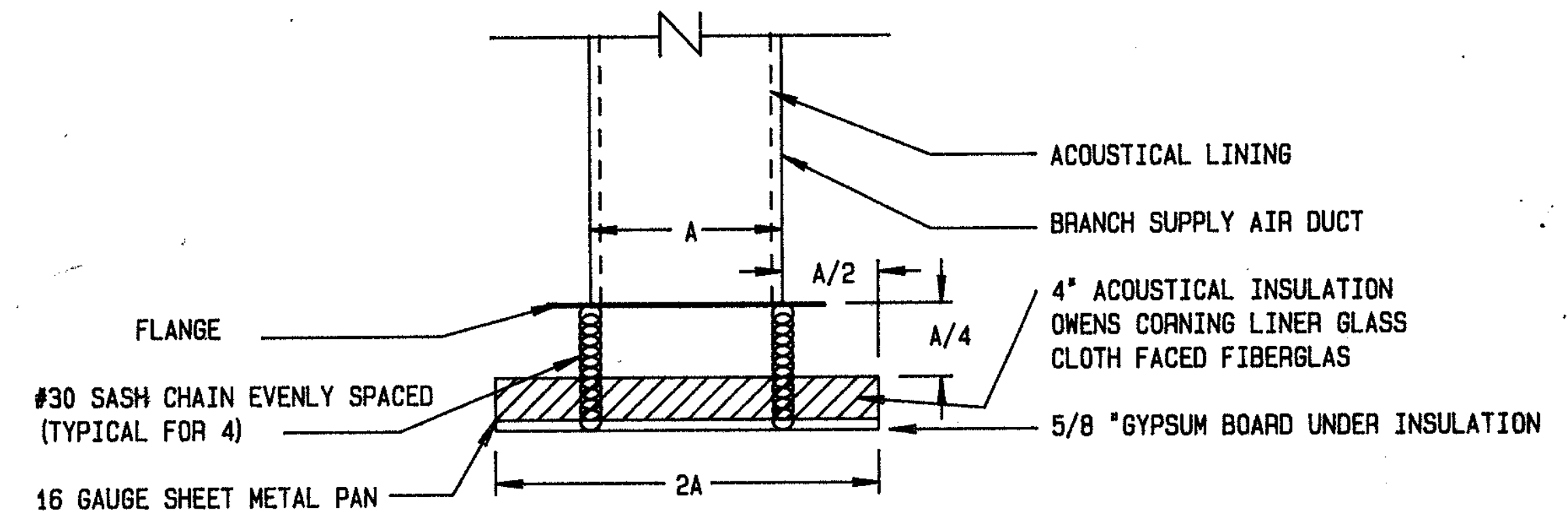

SWAY BRACING (4 SIDES)
L 2½x2½x3/16
ROOF
ANCHOR POINT
3/16
(TYPICAL)
IF SUSPENSION RODS EXCEED 6" IN LENGTH PROVIDE FOUR-WAY SWAY BRACING
NUT & WASHER (TYPICAL)
SUPPORT BRACKET ON UNIT (TYPICAL)
VIBRATION ISOLATOR TOP & BOTTOM (FURNISH WITH UNIT)
3/8" Ø ALL THREAD ROD
EQUIPMENT
12" MINIMUM
CEILING
FRONT VIEW
SIDE VIEW

NOTES:
1. SUSPENSION RODS SIZE SHALL BE CONFIRMED BY STRUCTURAL ENGINEER.
2. SWAY BRACING IS ONLY REQUIRED WHEN SUSPENSIONRODS LENGTH EXCEEDS 6".
3. UPPER ATTACHMENTS (ANCHORS) SHALL BE PER 7/M-22

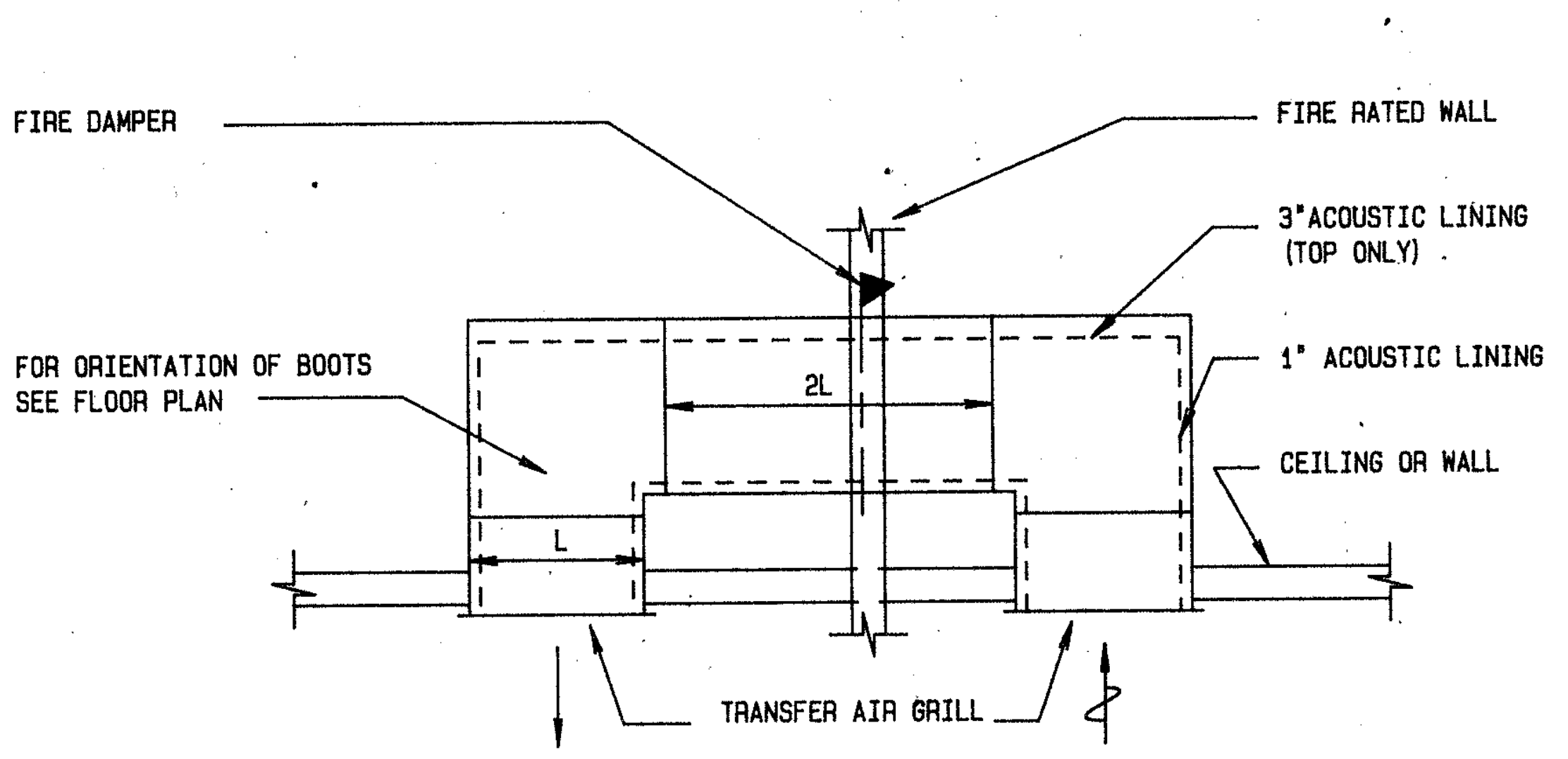
SUSPENDED EQUIPMENT SUPPORT (FAN AND COILS AND EXH. FANS) ①


INSIDE DIAMETER "D" DIMENSION +1"
CONCENTRIC SELF-DRAINING STACK
(4) 6" HIGH "Z" CLIPS EVENLY SPACED
FUME HOOD FAN DISCHARGE DUCT "D"
4 X D
6" MIN.
10'-0" MIN. TO ROOF
"A"
"A"
DISCHARGE DUCT
1/2" WIDE (TYP)
STACK
"Z" CLIP SAME MATERIAL & GAUGE AS STACK. SECURE TO STACK & DISCH. DUCT WITH (4) SPOT WELDS EACH SIDE (TOTAL 8 WELDS PER CLIP)
DETAIL "A"-"A"

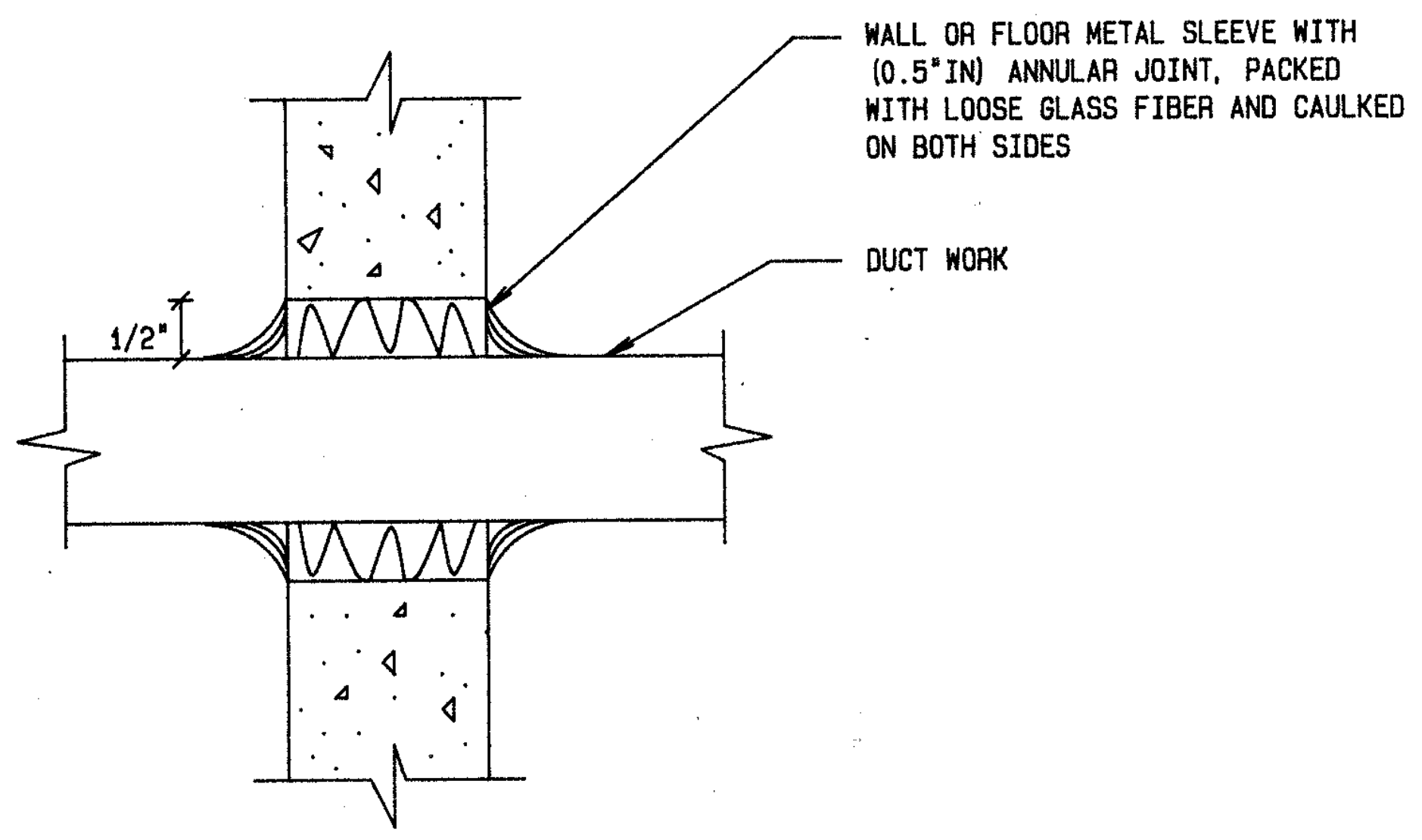
STACK DETAIL ②


ACOUSTICAL LINING
BRANCH SUPPLY AIR DUCT
A
A/2
A/4
4" ACOUSTICAL INSULATION OWENS CORNING LINER GLASS CLOTH FACED FIBERGLAS
FLANGE
#30 SASH CHAIN EVENLY SPACED (TYPICAL FOR 4)
5/8 "GYPSUM BOARD UNDER INSULATION
16 GAUGE SHEET METAL PAN
2A

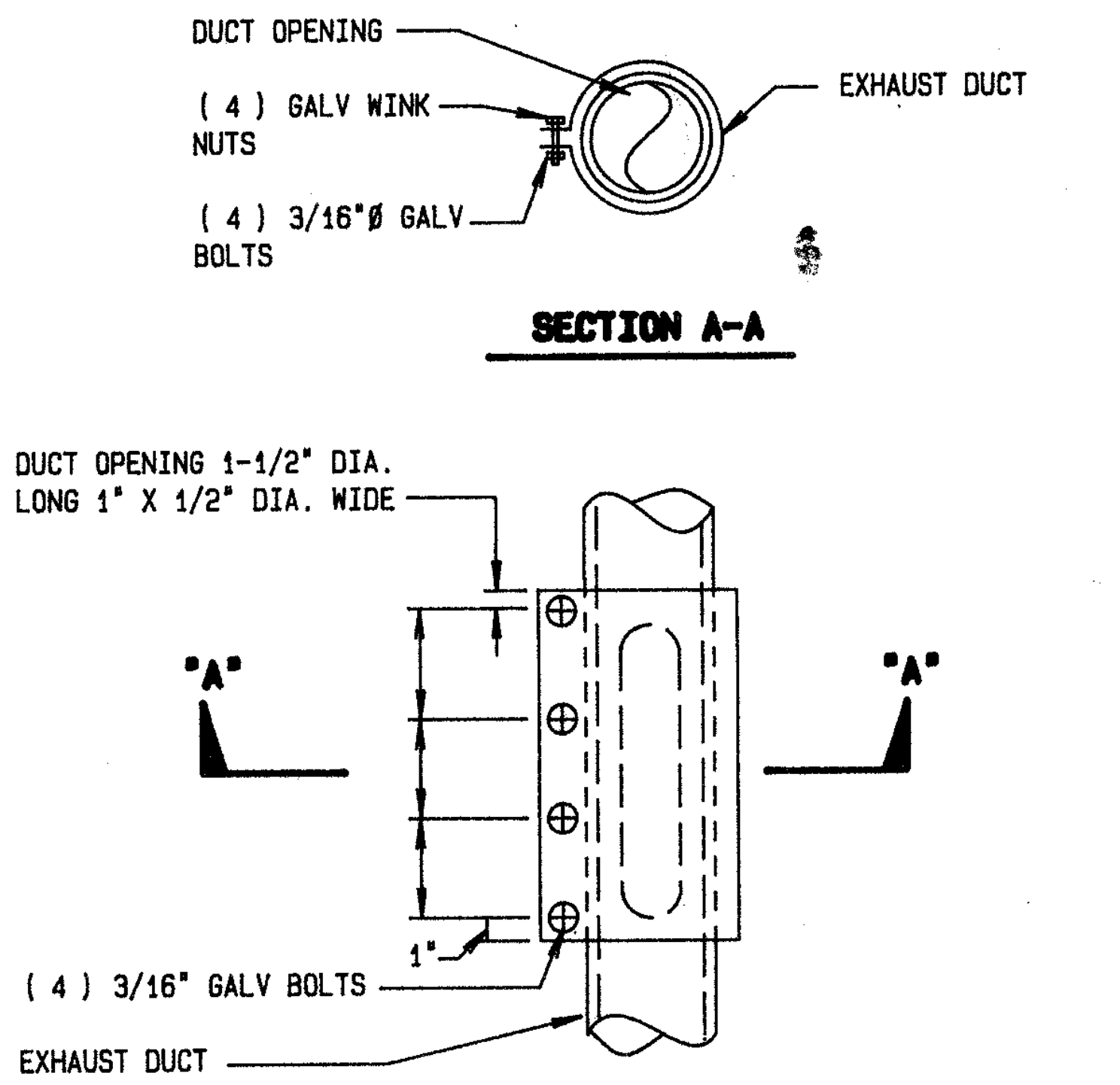
PLAQUE DIFFUSER (GYMNASIUM EXH. SYSTEM) ③


FIRE DAMPER
FIRE RATED WALL
3"ACOUSTIC LINING (TOP ONLY)
FOR ORIENTATION OF BOOTS SEE FLOOR PLAN
2L
1" ACOUSTIC LINING
CEILING OR WALL
L
TRANSFER AIR GRILL

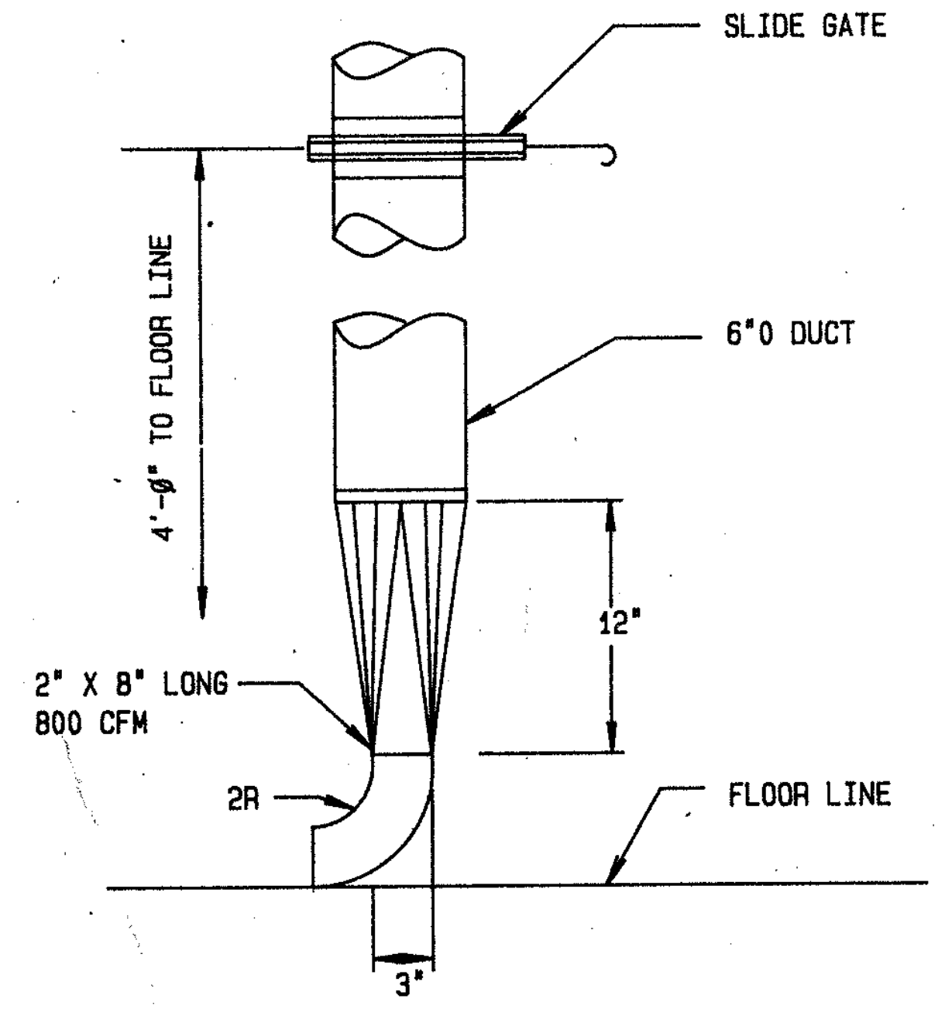
TRANSFER DUCT ④


WALL OR FLOOR METAL SLEEVE WITH (0.5"IN) ANNULAR JOINT, PACKED WITH LOOSE GLASS FIBER AND CAULKED ON BOTH SIDES
DUCT WORK
1/2"

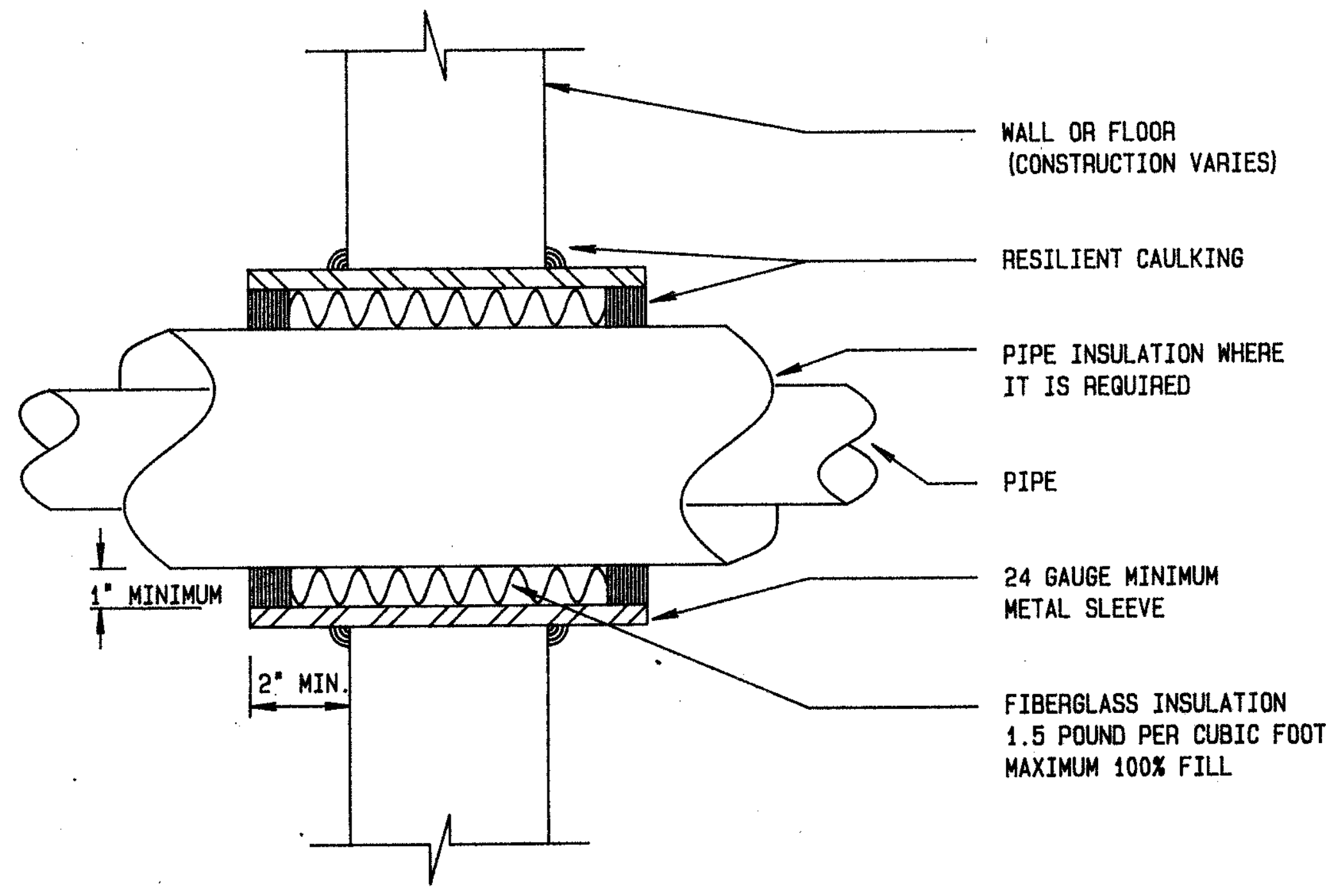
(TYP) DUCT PENETRATION THRU WALL OR FLOOR ⑤


DUCT OPENING
(4) GALV WINK NUTS
(4) 3/16"Ø GALV. BOLTS
EXHAUST DUCT
SECTION A-A
DUCT OPENING 1-1/2" DIA. LONG 1" X 1/2" DIA. WIDE
"A"
"A"
1"
(4) 3/16" GALV BOLTS
EXHAUST DUCT

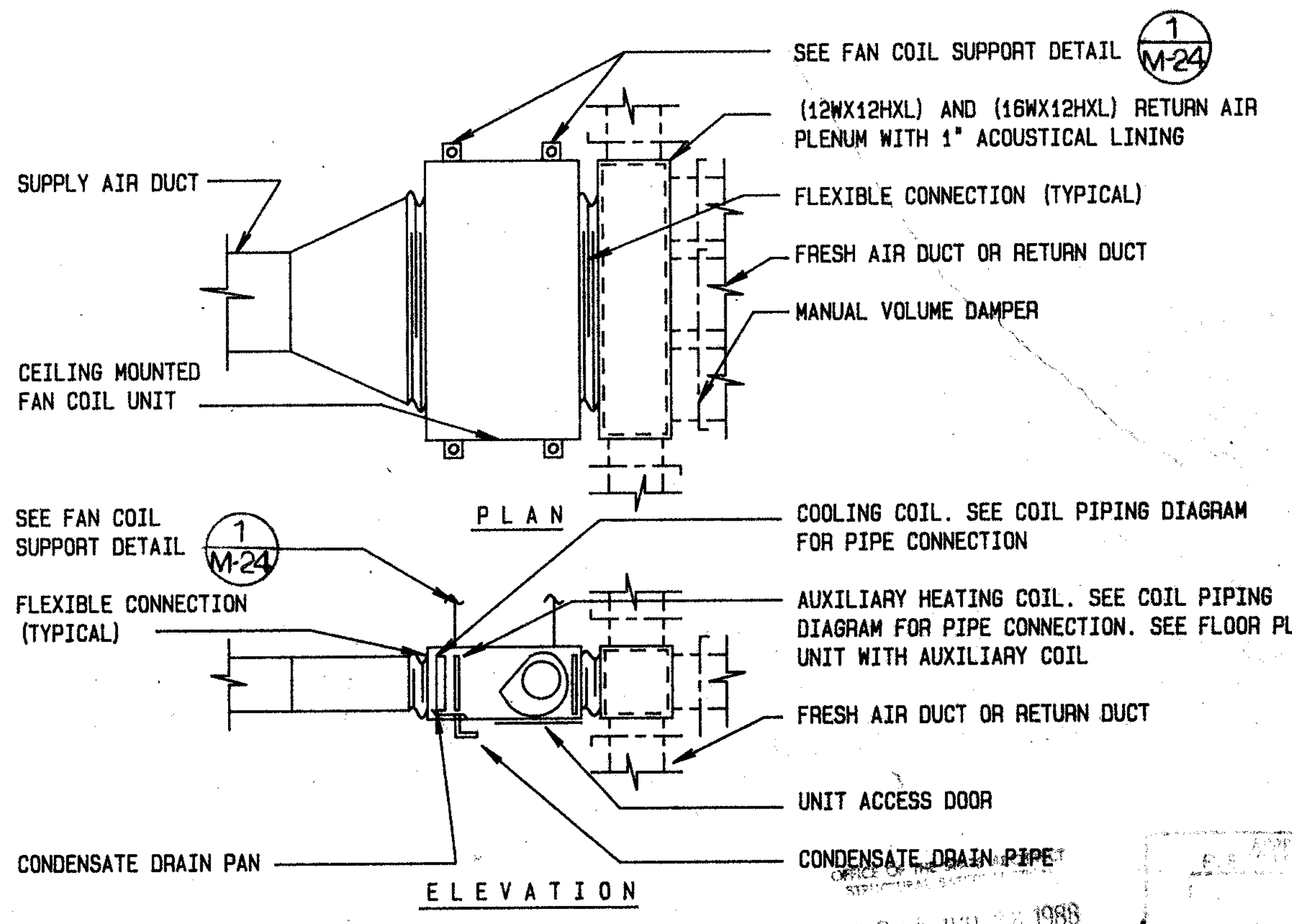
DUST EXHAUST SYSTEM CLEANOUT ⑥


SLIDE GATE
4'-8" TO FLOOR LINE
6"Ø DUCT
12"
2" X 8" LONG 800 CFM
2R
FLOOR LINE
3"

FLOOR SWEEP ⑦


WALL OR FLOOR (CONSTRUCTION VARIES)
RESILIENT CAULKING
PIPE INSULATION WHERE IT IS REQUIRED
PIPE
1" MINIMUM
2" MIN.
24 GAUGE MINIMUM METAL SLEEVE
FIBERGLASS INSULATION 1.5 POUND PER CUBIC FOOT MAXIMUM 100% FILL

SOUND INSOLATED PIPE PENETRATION ⑧


SEE FAN COIL SUPPORT DETAIL 1/M-24
(12WX12HXL) AND (16WX12HXL) RETURN AIR PLENUM WITH 1" ACOUSTICAL LINING
SUPPLY AIR DUCT
FLEXIBLE CONNECTION (TYPICAL)
FRESH AIR DUCT OR RETURN DUCT
MANUAL VOLUME DAMPER
CEILING MOUNTED FAN COIL UNIT
PLAN
SEE FAN COIL SUPPORT DETAIL 1/M-24
FLEXIBLE CONNECTION (TYPICAL)
COOLING COIL. SEE COIL PIPING DIAGRAM FOR PIPE CONNECTION
AUXILIARY HEATING COIL. SEE COIL PIPING DIAGRAM FOR PIPE CONNECTION. SEE FLOOR PLAN UNIT WITH AUXILIARY COIL
FRESH AIR DUCT OR RETURN DUCT
UNIT ACCESS DOOR
CONDENSATE DRAIN PAN
CONDENSATE DRAIN PIPE
ELEVATION

A 49 2/ 5 JUN 1988

NOTES TO DESIGNER:
1. Preferred filter location is at return grill or register.
2. Confirm plenum dimensions. If different plenums having different dimensions are used, refer to construction notes on floor plans for dimensions.

FAN COIL UNIT ⑨

Drawn By A.E.
Checked By Q.M.
Date MARCH, 1988
Commission No 1-30-05

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West Hills High School
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DETAILS

Sheet Number
M-24
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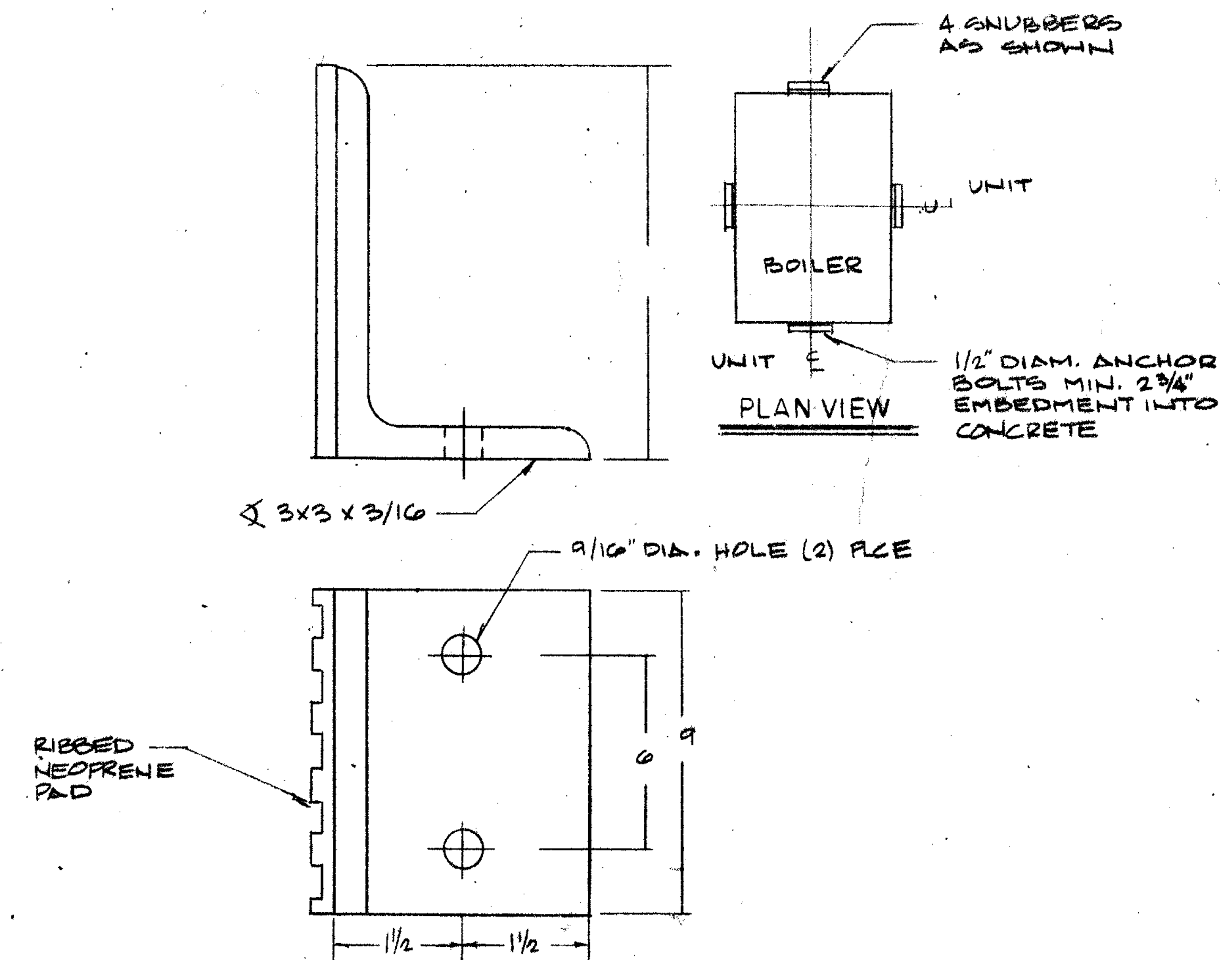
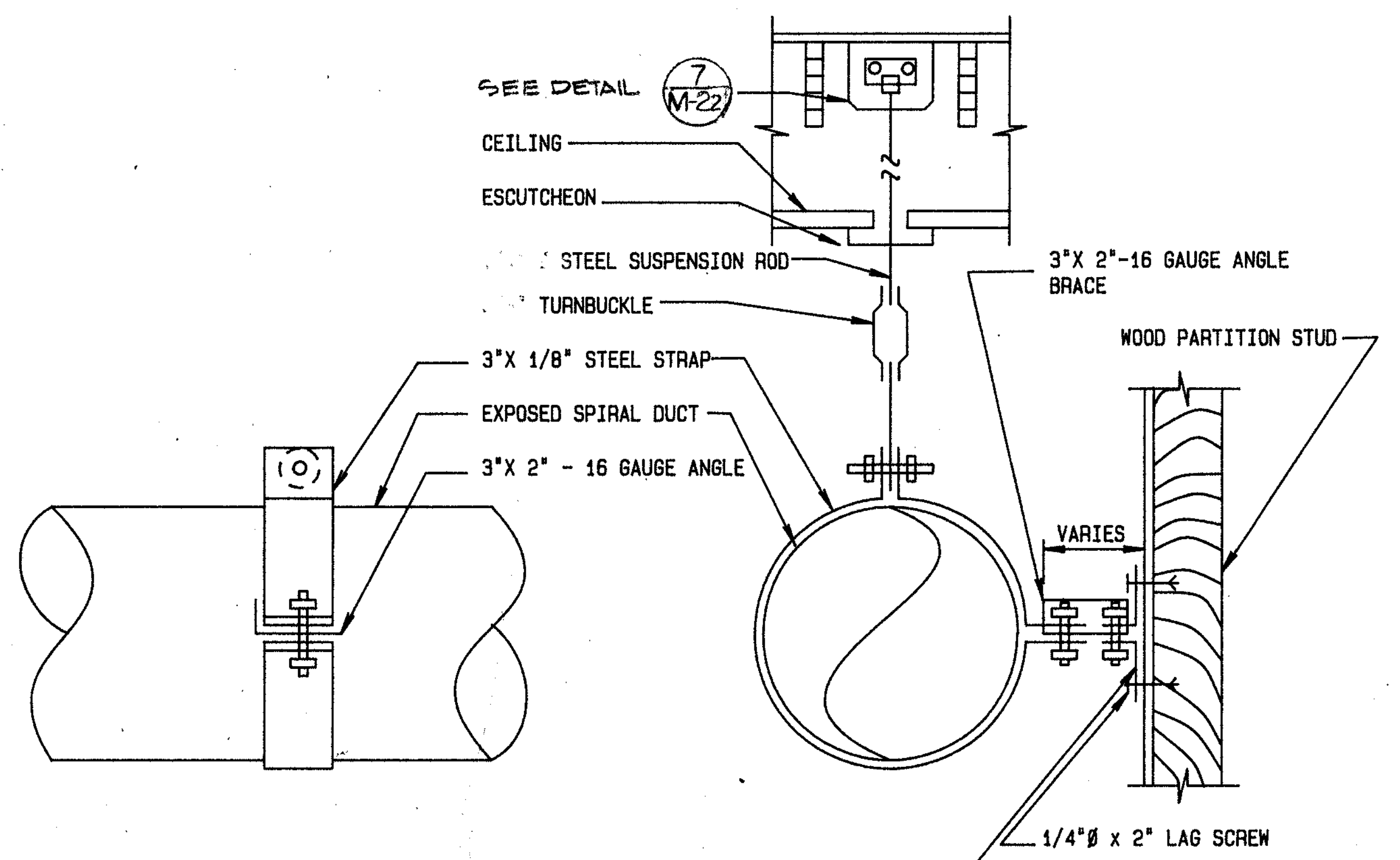

4 SNUBBERS AS SHOWN
UNIT
BOILER
UNIT ℄
PLAN VIEW
1/2" DIAM. ANCHOR BOLTS MIN. 2¾" EMBEDMENT INTO CONCRETE
∠ 3x3 x 3/16
9/16" DIA. HOLE (2) PLCE
RIBBED NEOPRENE PAD
6
9
1½
1½
3

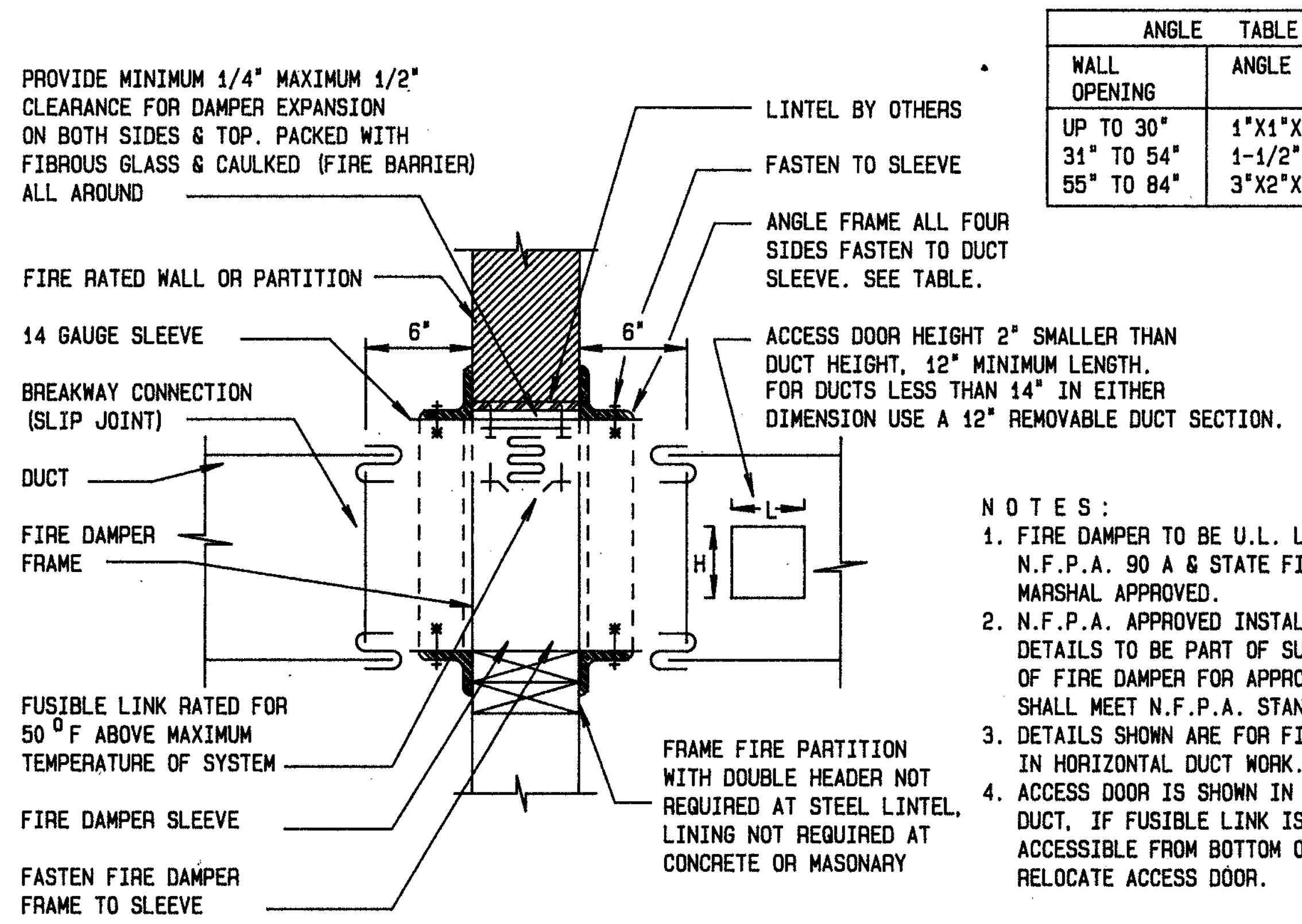
BOILER ANCHOR DETAIL ①


SEE DETAIL 7/M-22
CEILING
ESCUTCHEON
STEEL SUSPENSION ROD
TURNBUCKLE
3"X 1/8" STEEL STRAP
EXPOSED SPIRAL DUCT
3"X 2" - 16 GAUGE ANGLE
3"X 2"-16 GAUGE ANGLE BRACE
WOOD PARTITION STUD
VARIES
1/4"Ø x 2" LAG SCREW
(2) 3"X3"X16 GAUGE ANGLES - 3" ∠

NOTE TO DESIGNER:
1. To be used for not insulated ductwork.

EXPOSED DUCT SUPPORT ②

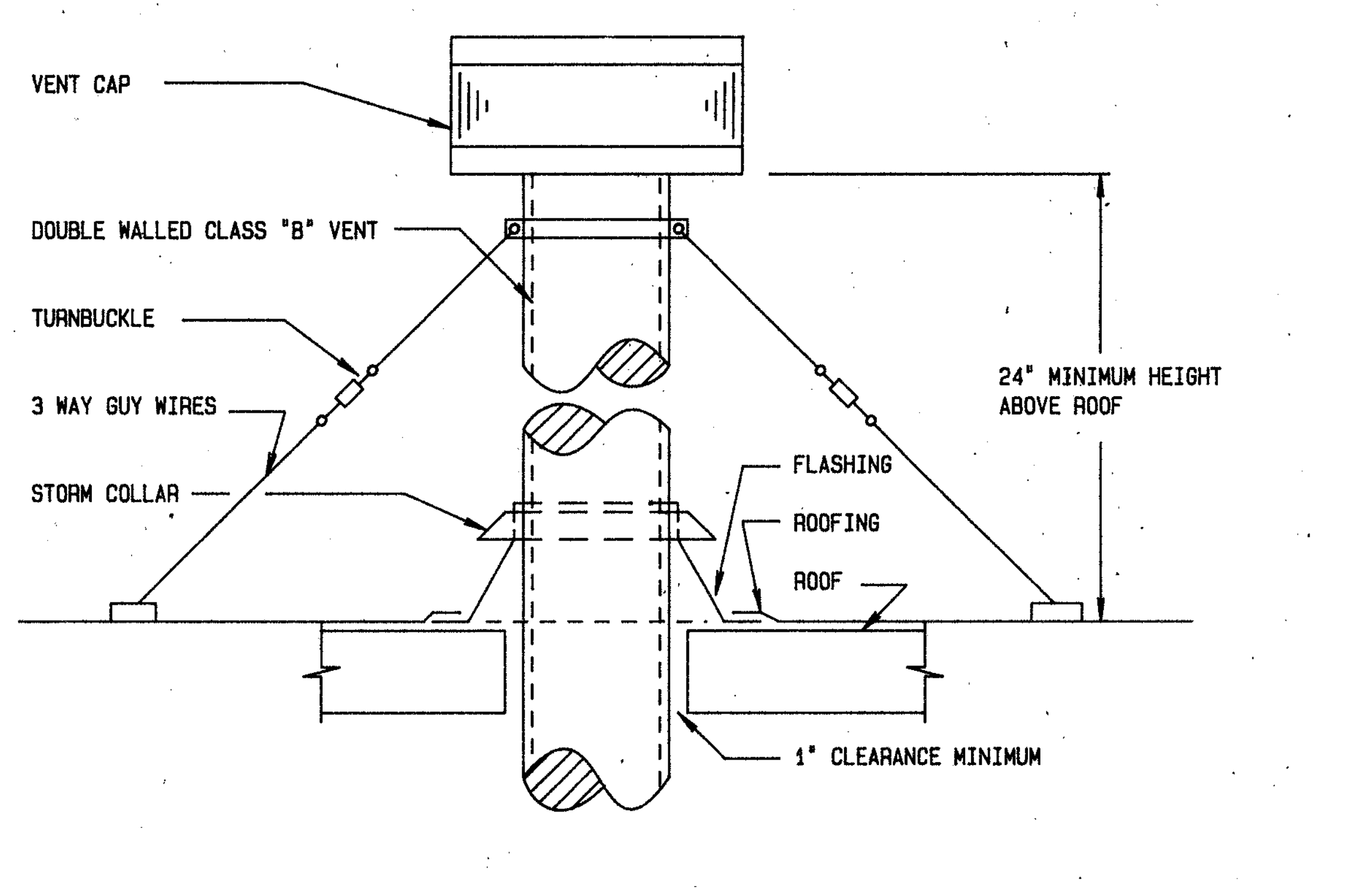
ANGLE TABLE	
WALL OPENING	ANGLE SIZE
UP TO 30"	1"X1"X1/8"
31" TO 54"	1-1/2"X1-1/2"X1/8"
55" TO 84"	3"X2"X3/16"


PROVIDE MINIMUM 1/4" MAXIMUM 1/2" CLEARANCE FOR DAMPER EXPANSION ON BOTH SIDES & TOP. PACKED WITH FIBROUS GLASS & CAULKED (FIRE BARRIER) ALL AROUND
FIRE RATED WALL OR PARTITION
14 GAUGE SLEEVE
BREAKWAY CONNECTION (SLIP JOINT)
DUCT
FIRE DAMPER FRAME
FUSIBLE LINK RATED FOR 50 °F ABOVE MAXIMUM TEMPERATURE OF SYSTEM
FIRE DAMPER SLEEVE
FASTEN FIRE DAMPER FRAME TO SLEEVE
LINTEL BY OTHERS
FASTEN TO SLEEVE
ANGLE FRAME ALL FOUR SIDES FASTEN TO DUCT SLEEVE. SEE TABLE.
ACCESS DOOR HEIGHT 2" SMALLER THAN DUCT HEIGHT, 12" MINIMUM LENGTH. FOR DUCTS LESS THAN 14" IN EITHER DIMENSION USE A 12" REMOVABLE DUCT SECTION.
6"
6"
L
H
FRAME FIRE PARTITION WITH DOUBLE HEADER NOT REQUIRED AT STEEL LINTEL, LINING NOT REQUIRED AT CONCRETE OR MASONARY

NOTES:
1. FIRE DAMPER TO BE U.L. LABELED N.F.P.A. 90 A & STATE FIRE MARSHAL APPROVED.
2. N.F.P.A. APPROVED INSTALLATION DETAILS TO BE PART OF SUBMISSION OF FIRE DAMPER FOR APPROVAL, WHICH SHALL MEET N.F.P.A. STANDARD 90 A .
3. DETAILS SHOWN ARE FOR FIRE DAMPERS IN HORIZONTAL DUCT WORK.
4. ACCESS DOOR IS SHOWN IN SIDE OF DUCT, IF FUSIBLE LINK IS MORE ACCESSIBLE FROM BOTTOM OF DUCT RELOCATE ACCESS DOOR.

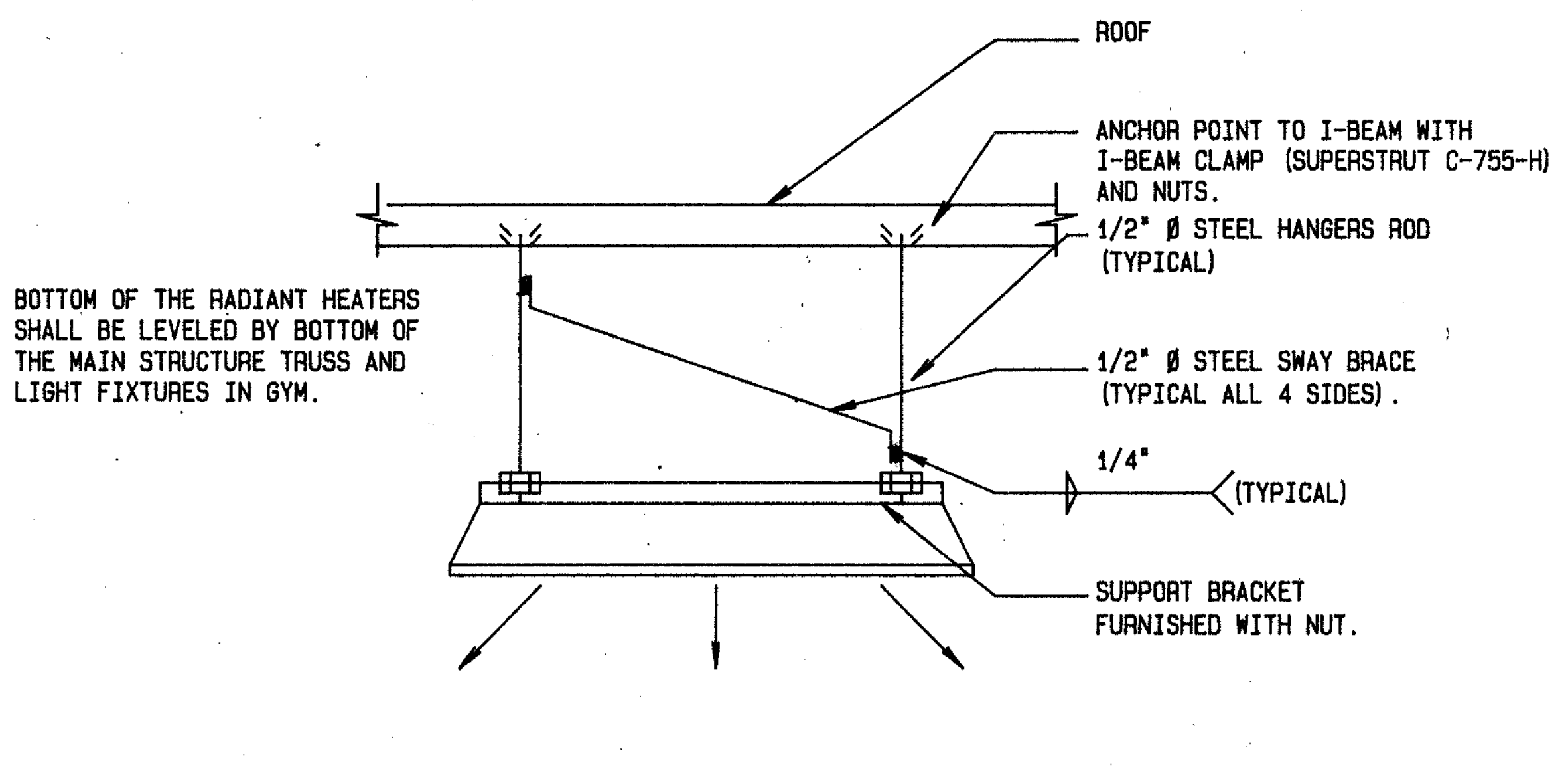
NOTE:
CALIFORNIA STATE FIRE MARSHAL LISTING # A3225-206:14

FUSIBLE LINK FIRE DAMPER ③


VENT CAP
DOUBLE WALLED CLASS "B" VENT
TURNBUCKLE
3 WAY GUY WIRES
STORM COLLAR
FLASHING
ROOFING
ROOF
24" MINIMUM HEIGHT ABOVE ROOF
1" CLEARANCE MINIMUM

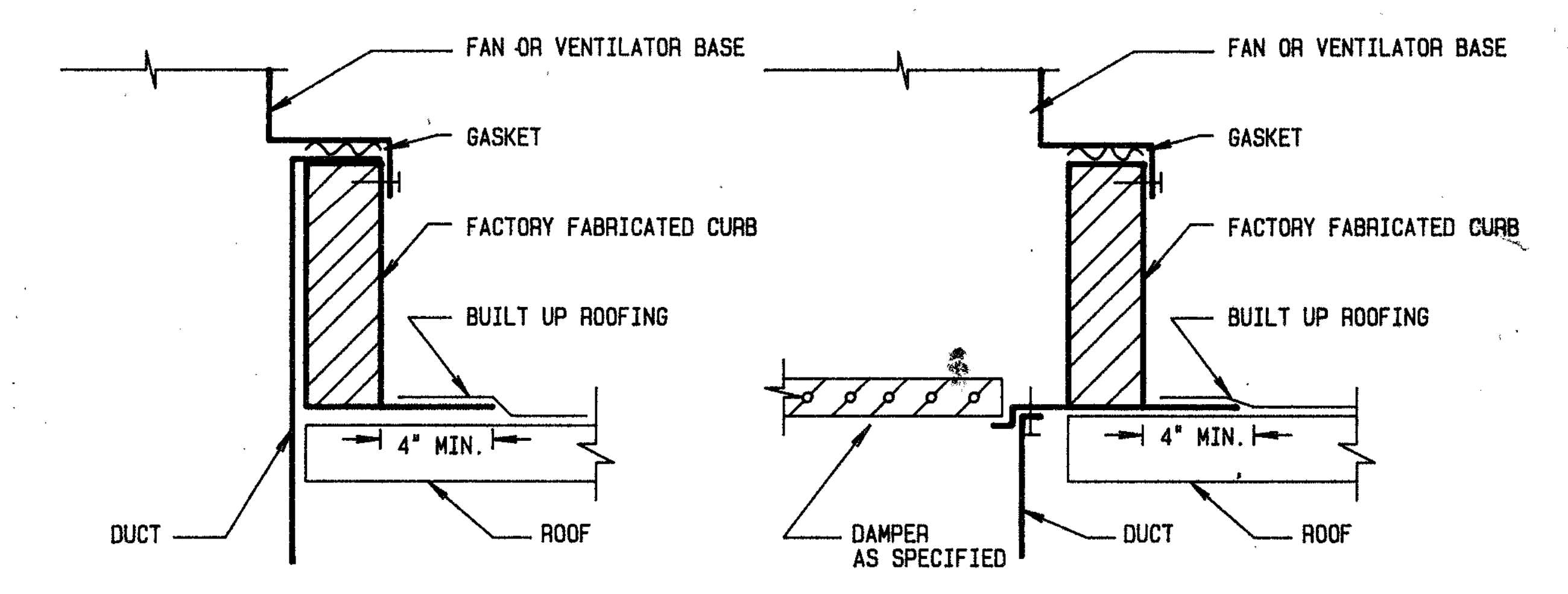
NOTE:
1. FOR VENT STACK HEIGHTS OF 60" OR BELOW, GUY WIRE SUPPORTS ARE NOT REQUIRED.

GAS FIRED BOILER VENT STACK ④


ROOF
ANCHOR POINT TO I-BEAM WITH I-BEAM CLAMP (SUPERSTRUT C-755-H) AND NUTS.
1/2" Ø STEEL HANGERS ROD (TYPICAL)
BOTTOM OF THE RADIANT HEATERS SHALL BE LEVELED BY BOTTOM OF THE MAIN STRUCTURE TRUSS AND LIGHT FIXTURES IN GYM.
1/2" Ø STEEL SWAY BRACE (TYPICAL ALL 4 SIDES).
1/4"
(TYPICAL)
SUPPORT BRACKET FURNISHED WITH NUT.

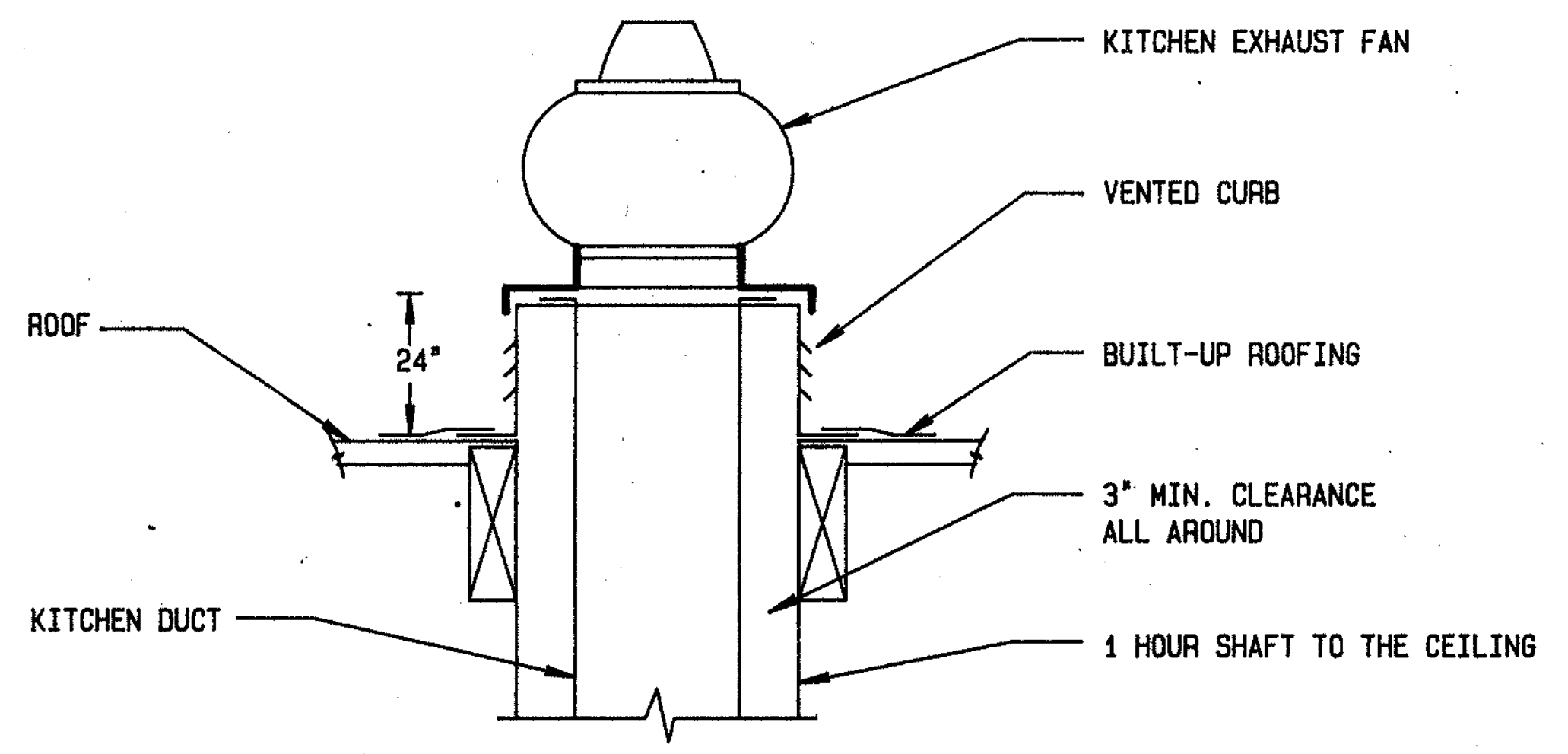
NOTES:
1. SUSPENSION RODS & CABLE SIZES SHALL BE CONFIRMED BY STRUCTURAL ENGINEER.
2. SWAY BRACING IS ONLY REQUIRED WHEN SUSPENSION RODS LENGHT EXCED 6".

RADIANT HEATER SUPPORT ⑤

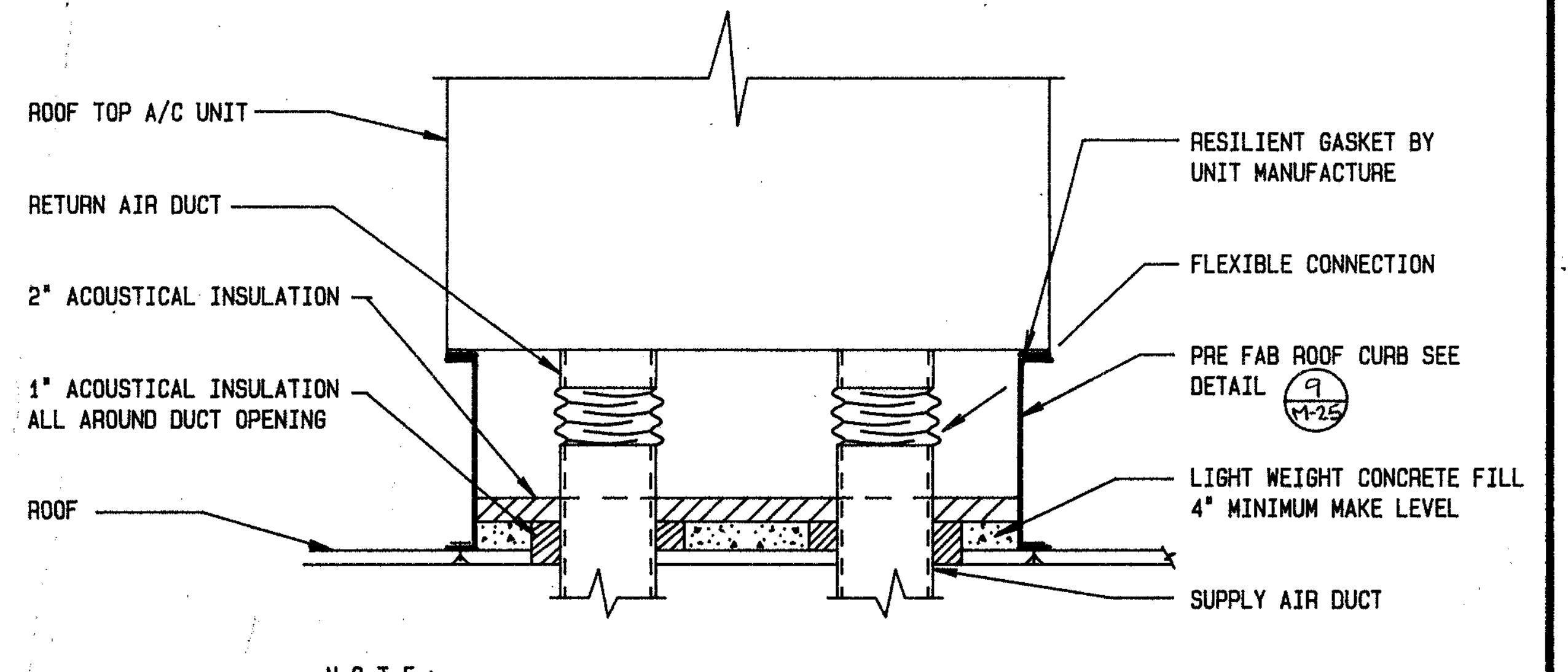

FAN OR VENTILATOR BASE
GASKET
FACTORY FABRICATED CURB
BUILT UP ROOFING
4" MIN.
DUCT
ROOF
DAMPER AS SPECIFIED
FAN OR VENTILATOR BASE
GASKET
FACTORY FABRICATED CURB
BUILT UP ROOFING
4" MIN.
DUCT
ROOF

NOTE:
1. ANCHOR BASE SECURELY TO THE CURB.

ROOF MOUNTED FAN OR VENTILATOR DETAIL ⑥

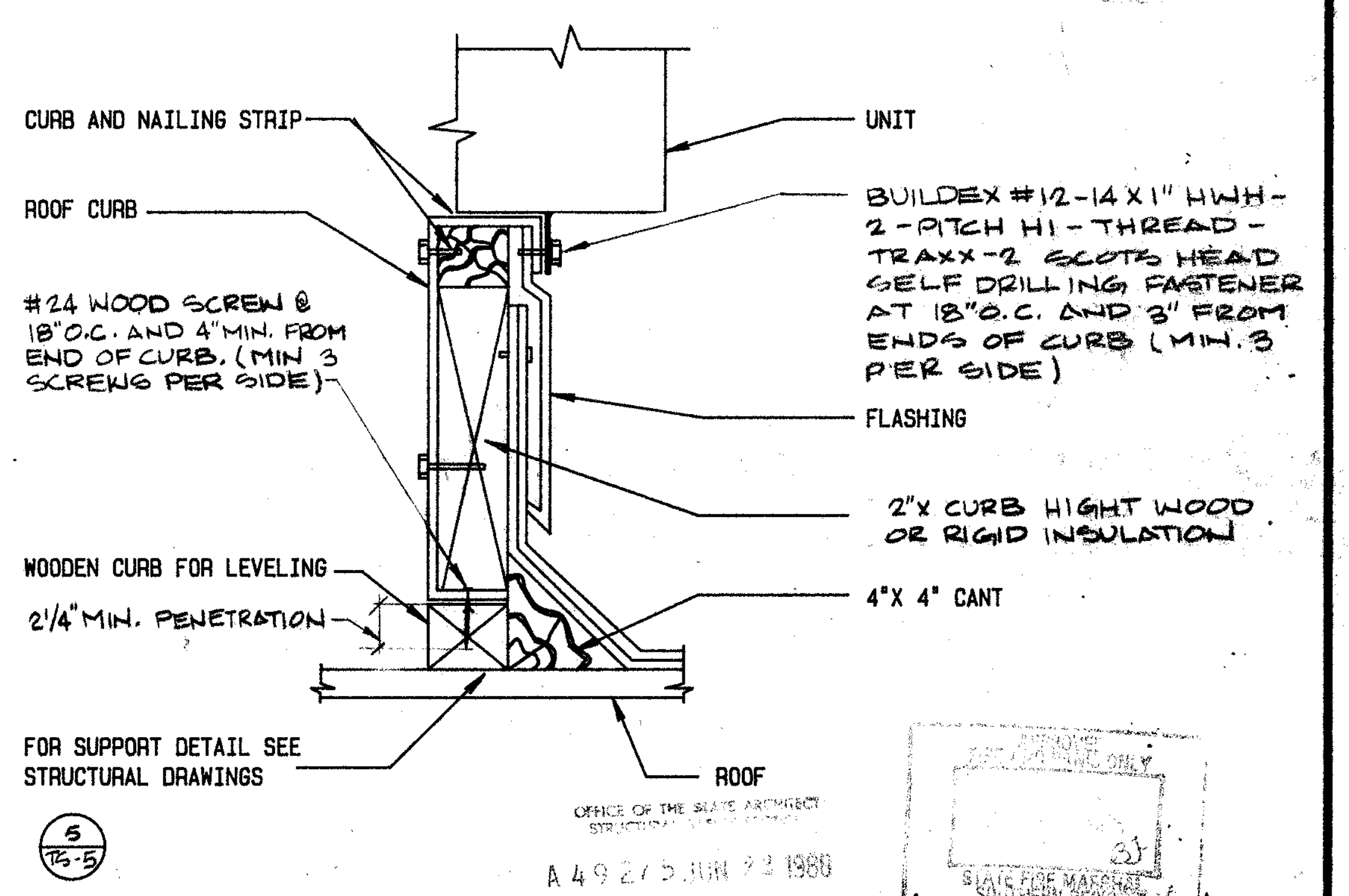

KITCHEN EXHAUST FAN
VENTED CURB
BUILT-UP ROOFING
ROOF
24"
3" MIN. CLEARANCE ALL AROUND
KITCHEN DUCT
1 HOUR SHAFT TO THE CEILING

KITCHEN EXHAUST FAN DETAIL ⑦


ROOF TOP A/C UNIT
RETURN AIR DUCT
2" ACOUSTICAL INSULATION
1" ACOUSTICAL INSULATION ALL AROUND DUCT OPENING
ROOF
RESILIENT GASKET BY UNIT MANUFACTURE
FLEXIBLE CONNECTION
PRE FAB ROOF CURB SEE DETAIL 9/M-25
LIGHT WEIGHT CONCRETE FILL 4" MINIMUM MAKE LEVEL
SUPPLY AIR DUCT

NOTE:
1. PROVIDE NECESSARY TRANSITION FROM THE UNIT DISCHARGE AND RETURN OPENINGS TO THE DUCT WORK

ROOF TOP PACKAGE UNIT ⑧


CURB AND NAILING STRIP
ROOF CURB
#24 WOOD SCREW @ 18"O.C. AND 4"MIN. FROM END OF CURB. (MIN 3 SCREWS PER SIDE)
WOODEN CURB FOR LEVELING
2¼" MIN. PENETRATION
FOR SUPPORT DETAIL SEE STRUCTURAL DRAWINGS
5/TS-5
UNIT
BUILDEX #12-14 X 1" HWH-2-PITCH HI-THREAD-TRAXX-2 SCOTS HEAD SELF DRILLING FASTENER AT 18"O.C. AND 3" FROM ENDS OF CURB (MIN. 3 PER SIDE)
FLASHING
2"x CURB HIGHT WOOD OR RIGID INSULATION
4"X 4" CANT
ROOF

OFFICE OF THE STATE ARCHITECT
A 49275 JUN 22 1988

STATE FIRE MARSHAL
SOUTHERN REGION

PRE FAB ROOF CURB DETAIL ⑨

Drawn By A.E.
Checked By O.M.
Date MARCH, 1988
Commission # 1-30-05

Revisions
BID JANUARY 1991

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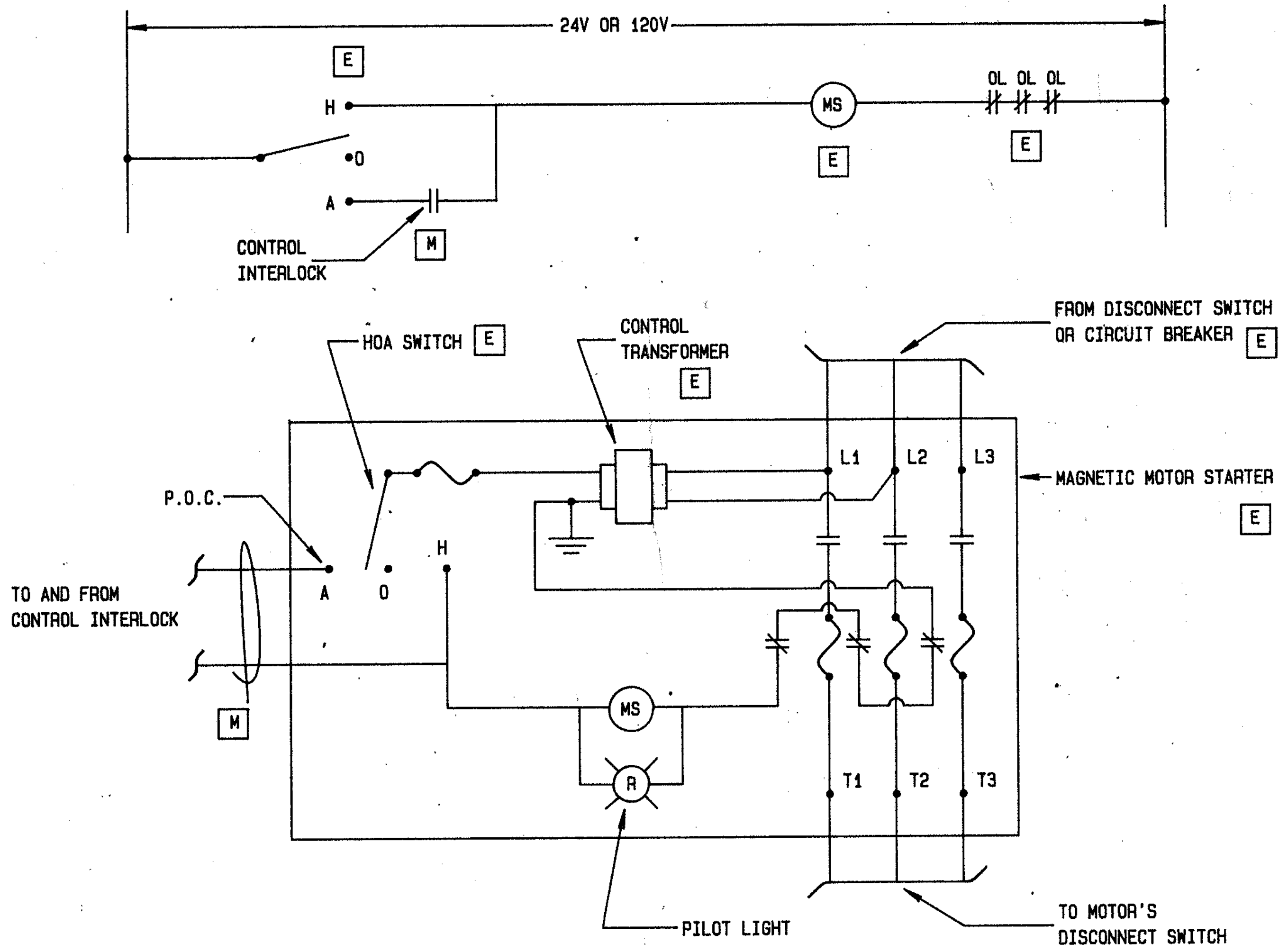
ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

DETAILS

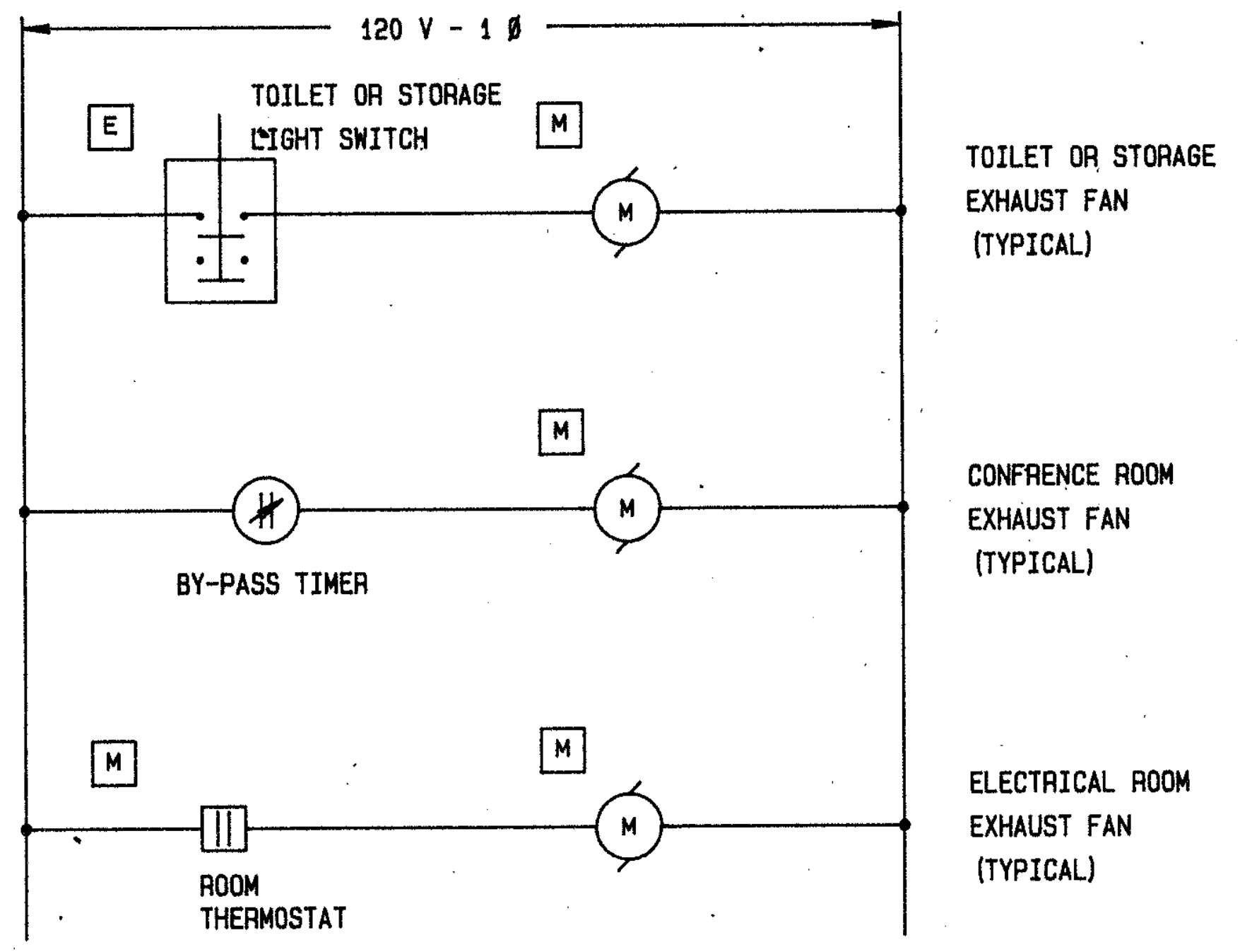
Sheet Number
M-25
14901 Sheets

INCREMENT 2


24V OR 120V
E
H
O
A
MS
OL OL OL
E
E
CONTROL INTERLOCK
M
HOA SWITCH
E
CONTROL TRANSFORMER
E
FROM DISCONNECT SWITCH OR CIRCUIT BREAKER
E
P.O.C.
TO AND FROM CONTROL INTERLOCK
A
O
H
L1
L2
L3
MAGNETIC MOTOR STARTER
E
M
MS
R
T1
T2
T3
PILOT LIGHT
TO MOTOR'S DISCONNECT SWITCH

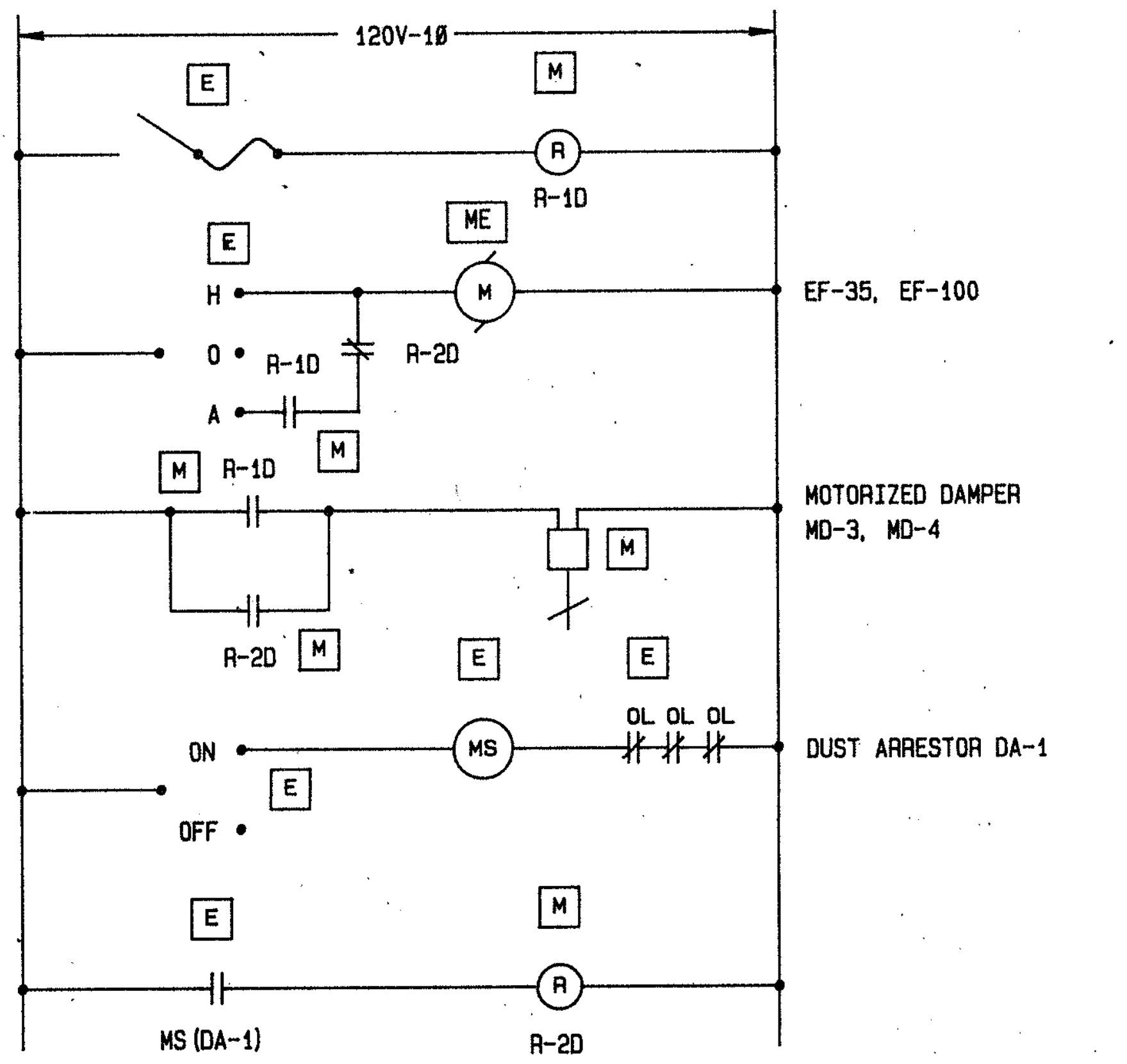
TYPICAL MAGNETIC MOTOR STARTER

NOT TO SCALE


120 V - 1 Ø
E
TOILET OR STORAGE LIGHT SWITCH
M
M
TOILET OR STORAGE EXHAUST FAN (TYPICAL)
M
M
BY-PASS TIMER
CONFRENCE ROOM EXHAUST FAN (TYPICAL)
M
M
M
ROOM THERMOSTAT
ELECTRICAL ROOM EXHAUST FAN (TYPICAL)

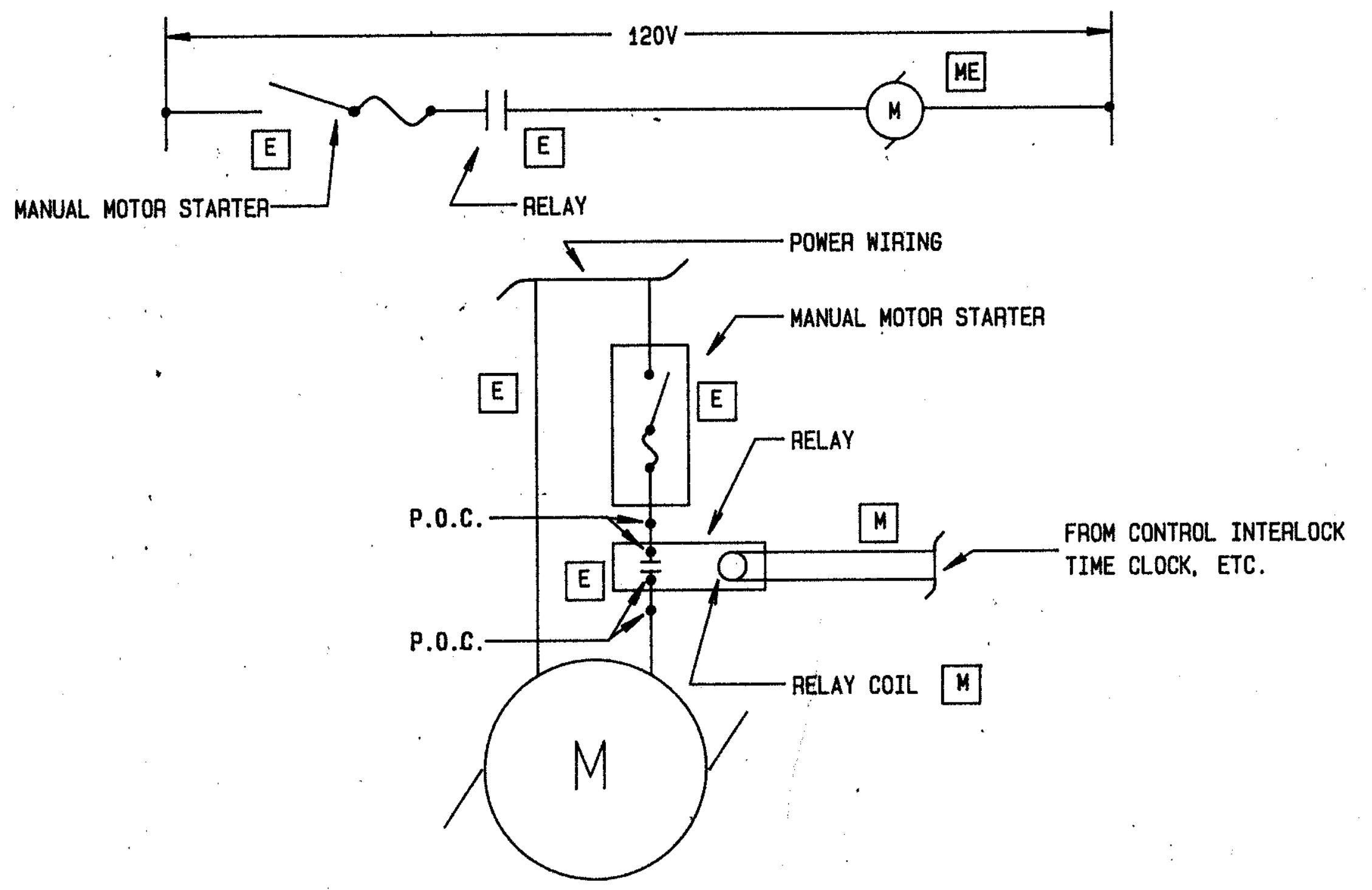
GENERAL EXHAUST FAN

NOT TO SCALE


120V-1Ø
E
M
R
R-1D
ME
E
H
M
O
R-1D
R-2D
A
EF-35, EF-100
M
R-1D
M
MOTORIZED DAMPER MD-3, MD-4
M
R-2D
M
E
E
ON
MS
OL OL OL
DUST ARRESTOR DA-1
E
OFF
E
M
R
MS (DA-1)
R-2D

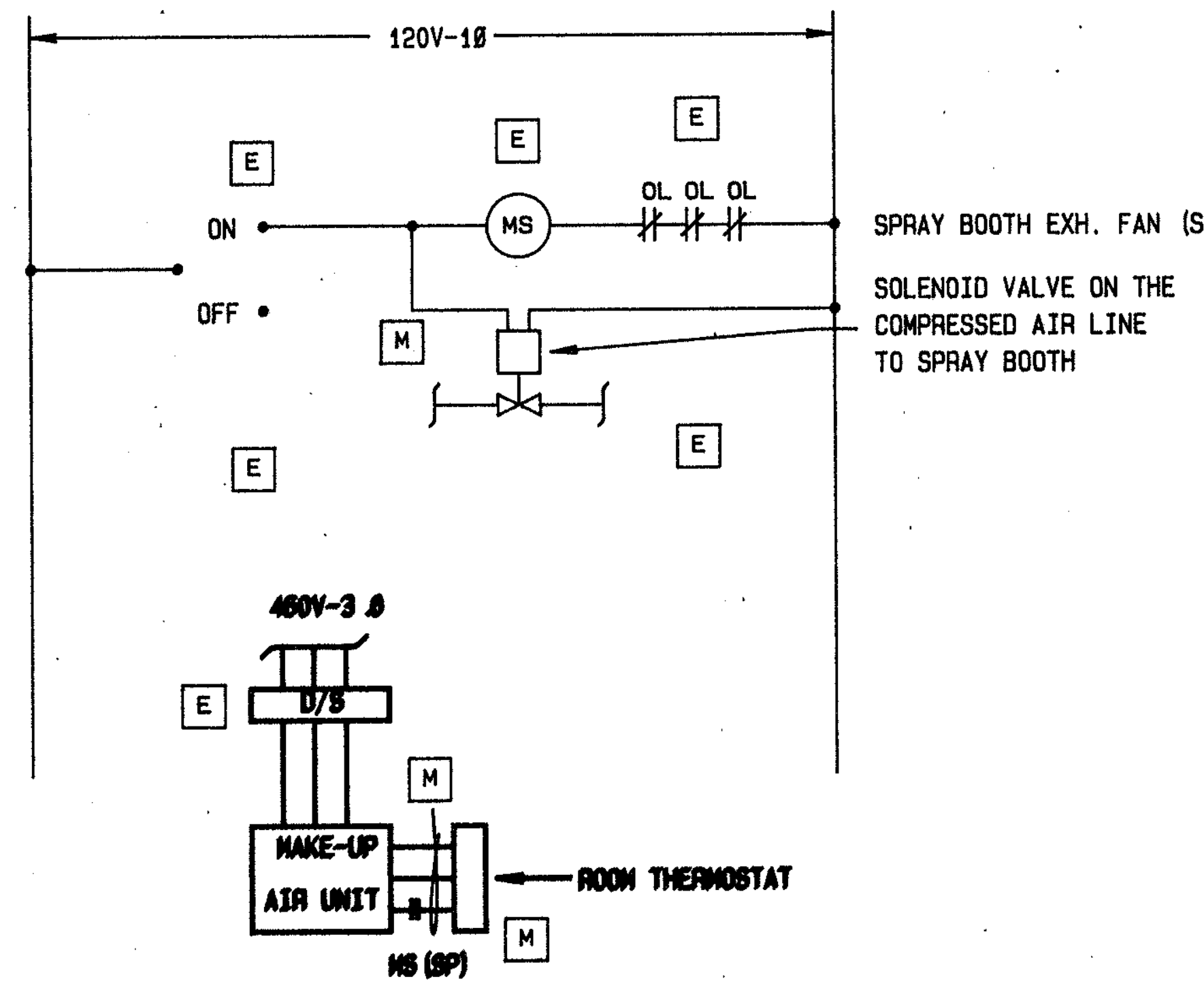
WOOD SHOP DUST COLLECTOR SYTEM CONTROL

NOT TO SCALE


120V
M
ME
MANUAL MOTOR STARTER
E
E
RELAY
POWER WIRING
MANUAL MOTOR STARTER
E
E
RELAY
M
P.O.C.
E
FROM CONTROL INTERLOCK TIME CLOCK, ETC.
P.O.C.
RELAY COIL
M
M

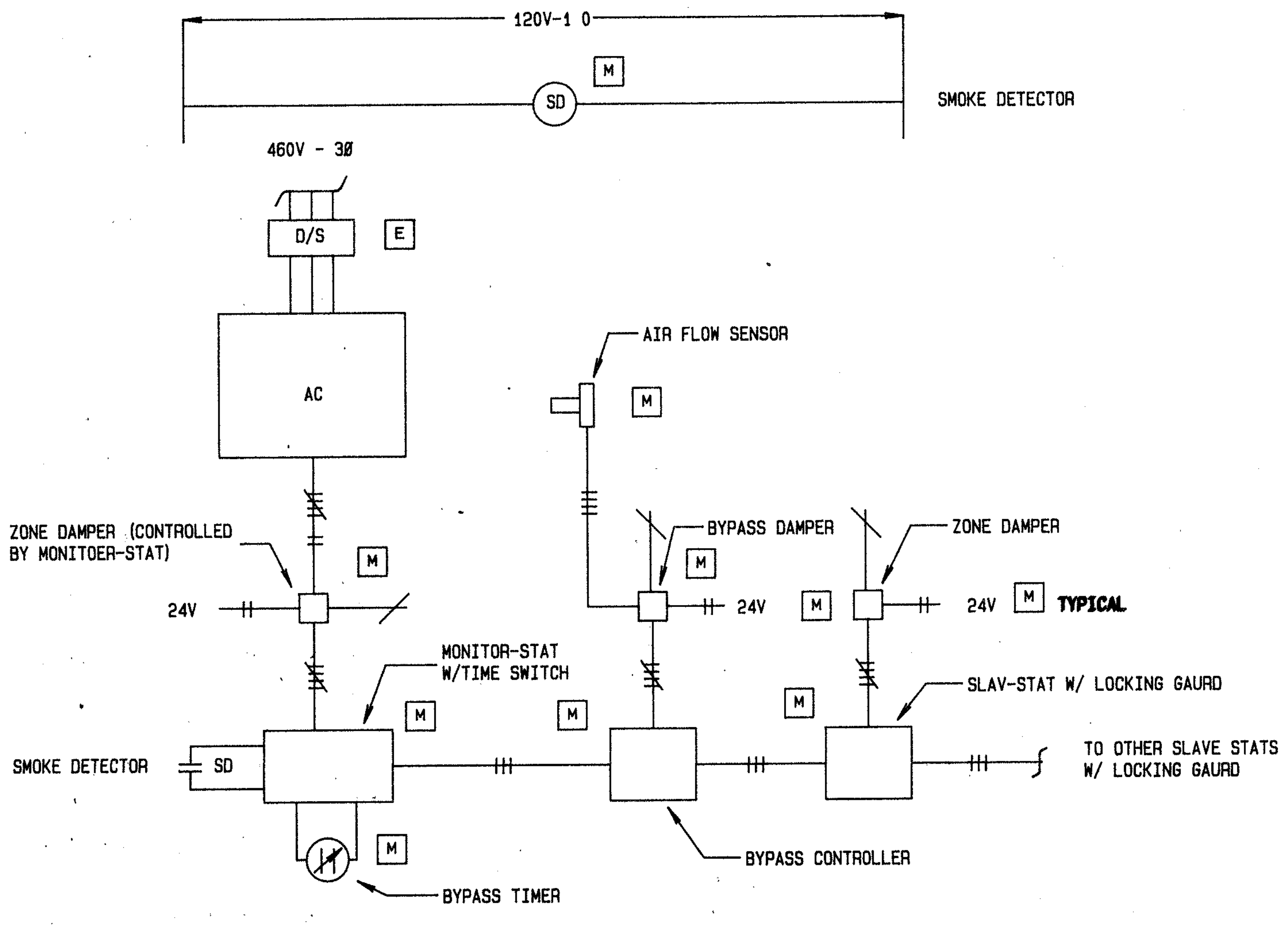
TYPICAL SINGLE PHASE MOTOR WIRING

NOT TO SCALE


120V-1Ø
E
E
E
ON
MS
OL OL OL
SPRAY BOOTH EXH. FAN (SP)
OFF
SOLENOID VALVE ON THE COMPRESSED AIR LINE TO SPRAY BOOTH
M
E
E
460V-3 Ø
E
D/S
M
MAKE-UP AIR UNIT
ROOM THERMOSTAT
MS (SP)
M

SPRAY BOOTH FAN AND MAKE-UP AIR CONTROL

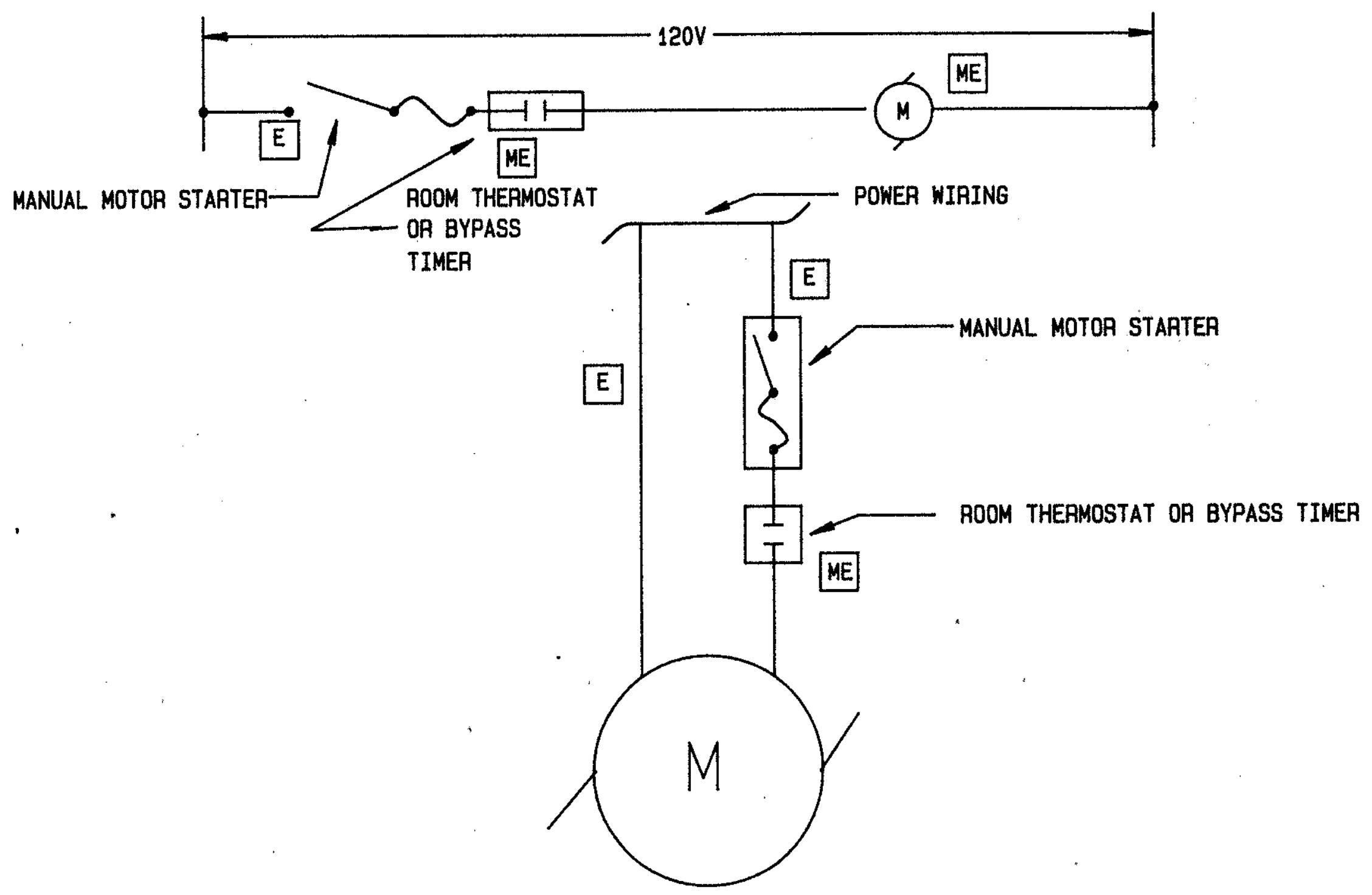
NOT TO SCALE


120V-1 Ø
SD
M
SMOKE DETECTOR
460V - 3Ø
D/S
E
AC
AIR FLOW SENSOR
M
ZONE DAMPER (CONTROLLED BY MONITOER-STAT)
M
24V
BYPASS DAMPER
M
24V
M
ZONE DAMPER
24V
M
TYPICAL
MONITOR-STAT W/TIME SWITCH
M
M
M
SLAV-STAT W/ LOCKING GAURD
SMOKE DETECTOR
SD
TO OTHER SLAVE STATS W/ LOCKING GAURD
M
BYPASS TIMER
BYPASS CONTROLLER

NOTE:
INSTALL BYPASS CONTROLLER NEXT TO THE MONITOR STAT

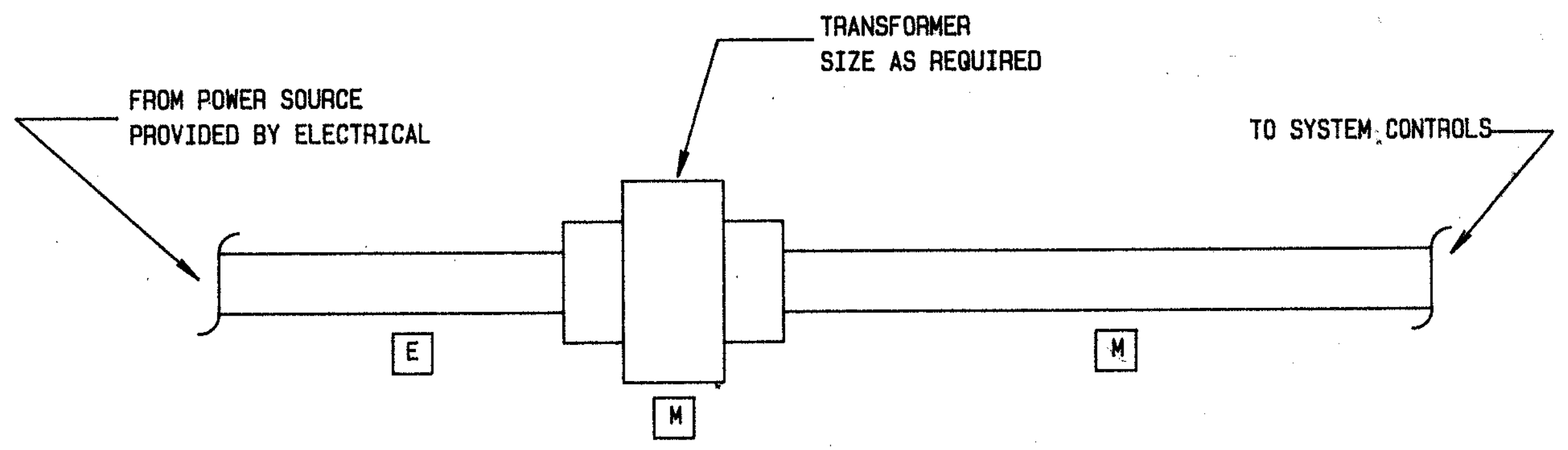
TYPICAL VVT CONTROL SYSTEM

NOT TO SCALE


120V
ME
M
E
ME
MANUAL MOTOR STARTER
ROOM THERMOSTAT OR BYPASS TIMER
POWER WIRING
E
E
MANUAL MOTOR STARTER
ROOM THERMOSTAT OR BYPASS TIMER
ME
M

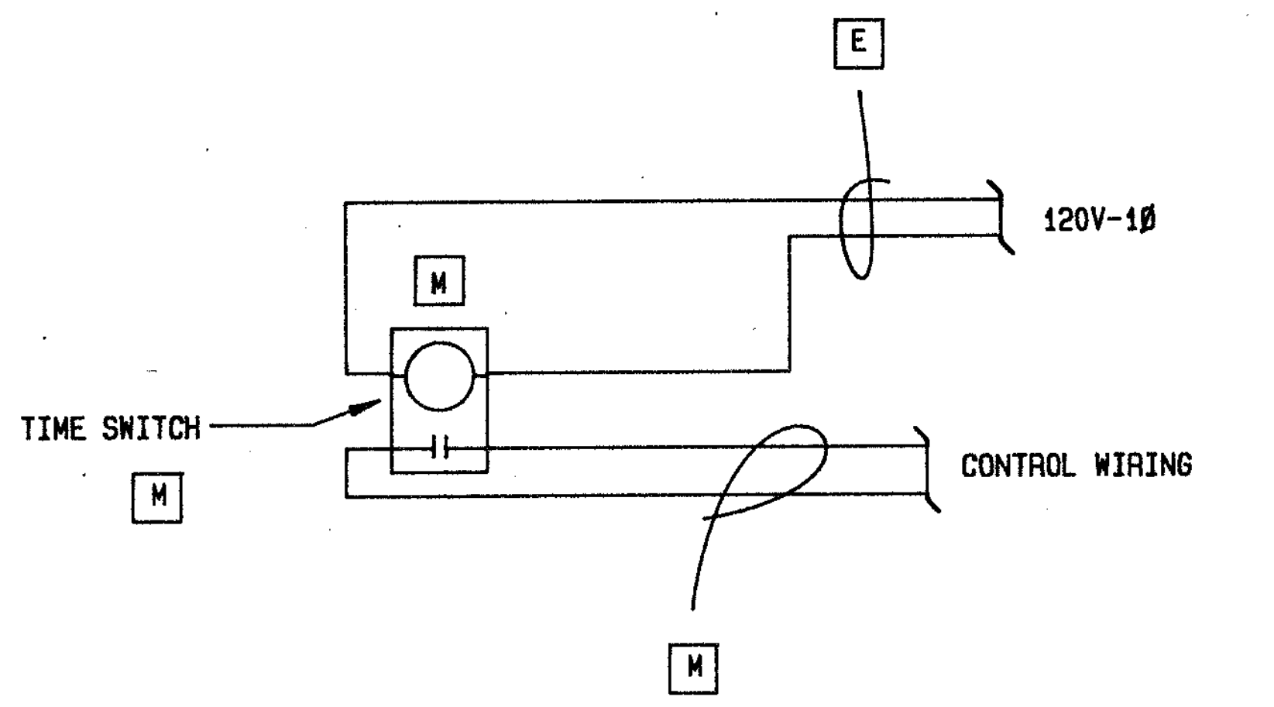
TYPICAL SINGLE PHASE MOTOR WIRING

NOT TO SCALE


TRANSFORMER SIZE AS REQUIRED
FROM POWER SOURCE PROVIDED BY ELECTRICAL
TO SYSTEM CONTROLS
E
M
M

TRANSFORMER WIRING

NOT TO SCALE


E
120V-1Ø
M
TIME SWITCH
M
CONTROL WIRING
M

TYPICAL TIME SWITCH WIRING

NOT TO SCALE

CONTROL LEGEND

(M)	MOTOR
(MS)	MOTOR STARTER
(R)	RELAY
E	FURNISHED AND INSTALLED IN ELECTRICAL WORK .
M	FURNISHED AND INSTALLED IN MECHANICAL WORK .
ME	FURNISHED BY MECHANICAL AND INSTALLED BY ELECTRICAL .
H• O• A•	MANUAL (H.O.A.) SWITCH .
OL OL OL	OVERLOAD CONTACTOR .
⫲	NORMALLY CLOSED CONTACTOR .
⊣⊢	NORMALLY OPEN CONTACTOR .
MS (P-1)	AUXILIARY CONTACTORIN MOTOR STARTER P-1
(⫲)	BY PASS TIMER .

OFFICE OF THE STATE ARCHITECT
A 49 2 JUN 1988
APPROVED

Drawn By B.H.AE.
Checked By Q.M.
Date MARCH, 1988
Commission No. 1-30-05

Revisions
BID JANUARY 1991

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Los Angeles, Calif. ☐☐☐☐ Newport Beach, Calif.
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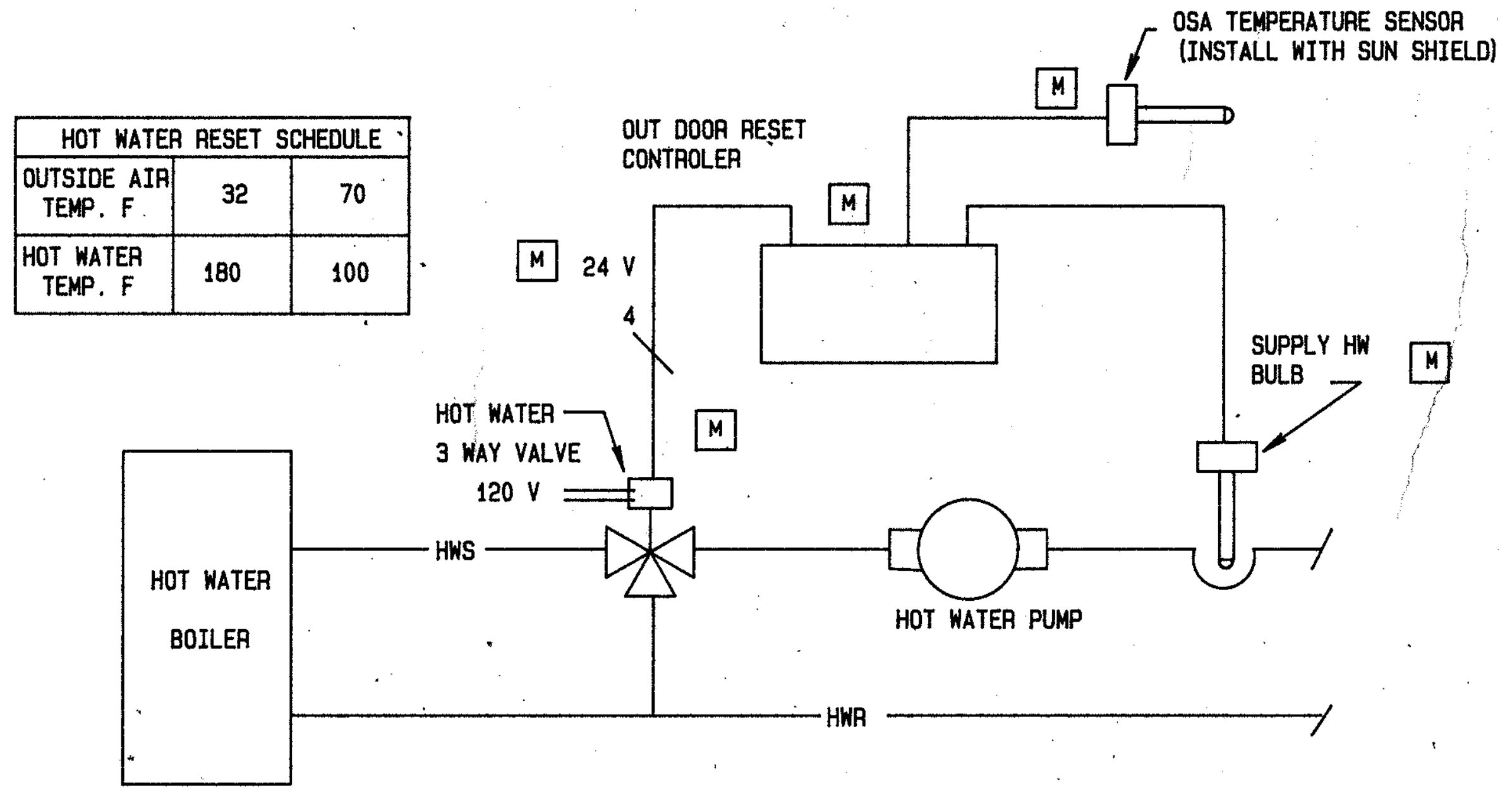
ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

CONTROLS

Sheet Number
M-26
1450 Sheets

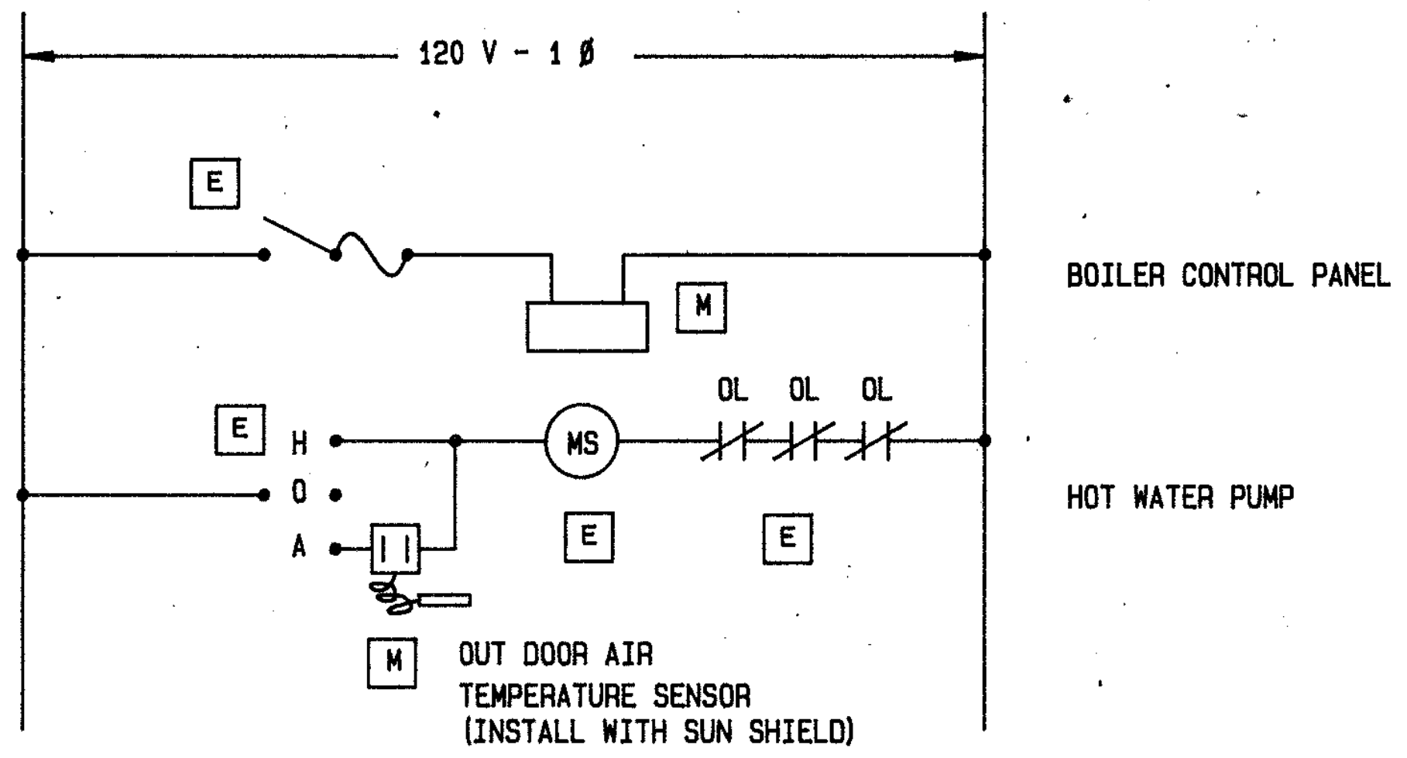
INCREMENT 2


OSA TEMPERATURE SENSOR (INSTALL WITH SUN SHIELD)
OUT DOOR RESET CONTROLER
24 V
4
HOT WATER 3 WAY VALVE
120 V
SUPPLY HW BULB
HOT WATER BOILER
HWS
HWR
HOT WATER PUMP
M

HOT WATER RESET SCHEDULE		
OUTSIDE AIR TEMP. F	32	70
HOT WATER TEMP. F	180	100

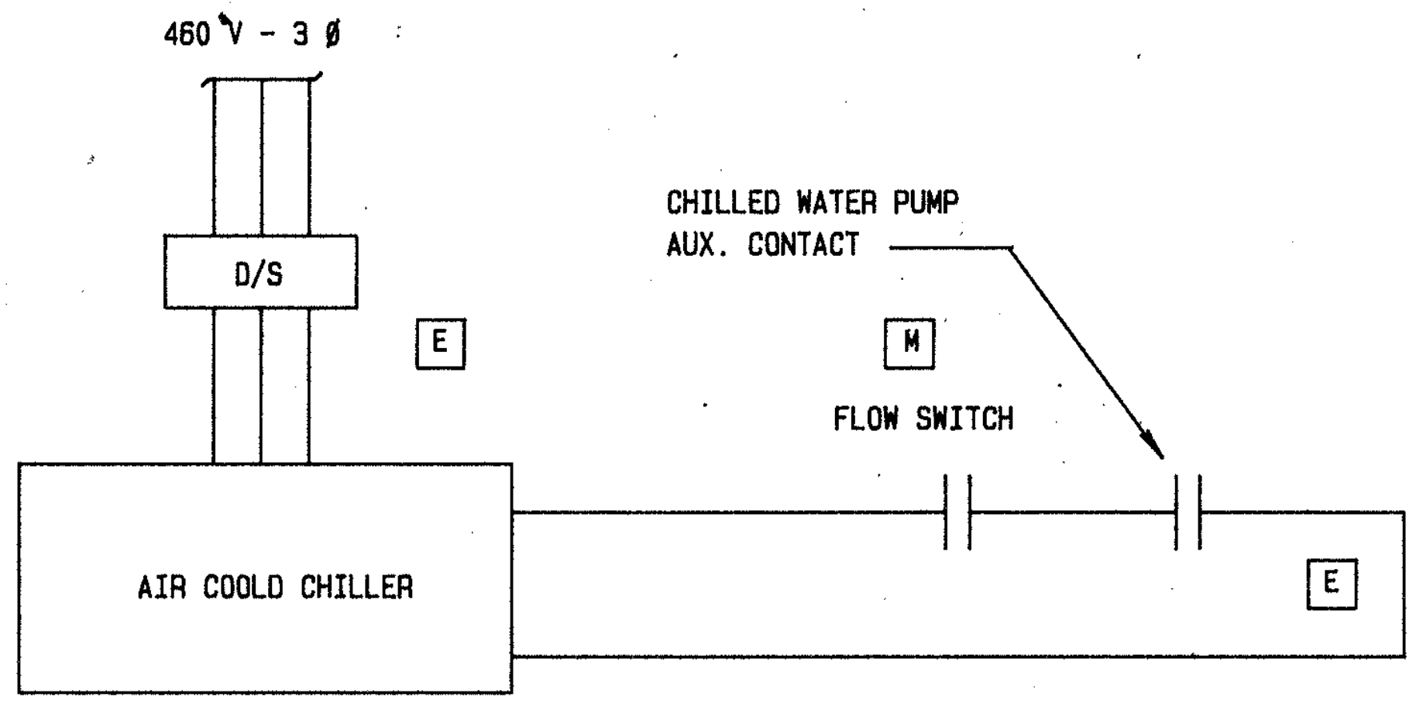
HOT WATER TEMPERATURE RESET CONTROL

NOT TO SCALE


120 V - 1 Ø
E
M
BOILER CONTROL PANEL
H
O
A
MS
OL OL OL
HOT WATER PUMP
OUT DOOR AIR TEMPERATURE SENSOR (INSTALL WITH SUN SHIELD)

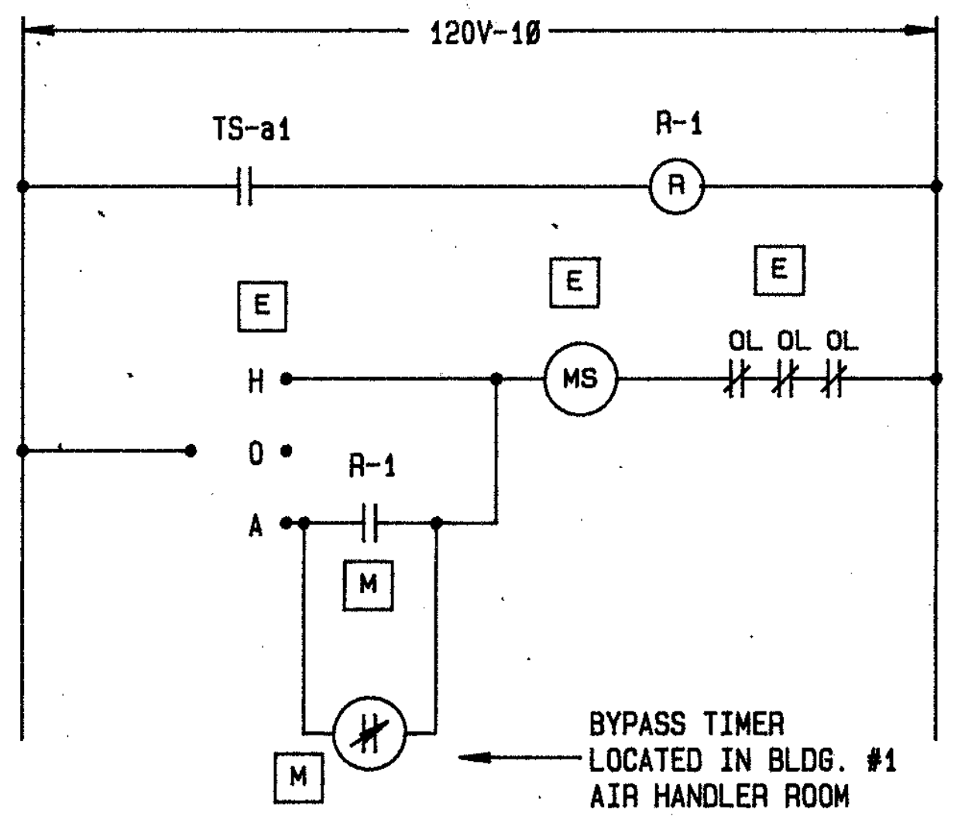
HOT WATER BOILER & PUMP

NOT TO SCALE


460 V - 3 Ø
D/S
E
CHILLED WATER PUMP AUX. CONTACT
M
FLOW SWITCH
AIR COOLD CHILLER
E

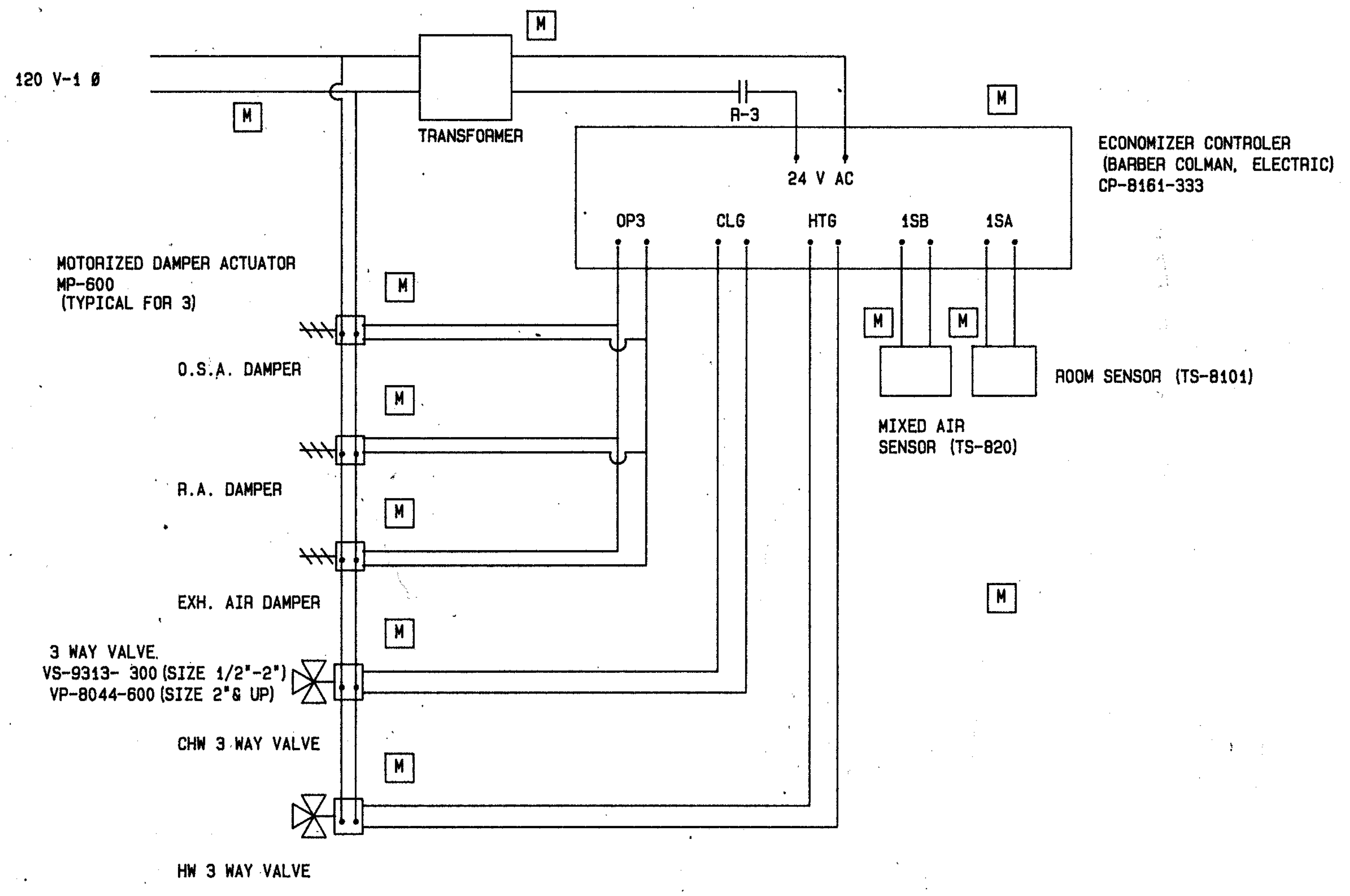
CHILLER CONTROL DIAGRAM

NOT TO SCALE


120V-1Ø
TS-a1
R-1
E
H
O
A
MS
OL OL OL
CHILLED WATER PUMP
R-1
M
BYPASS TIMER LOCATED IN BLDG. #1 AIR HANDLER ROOM

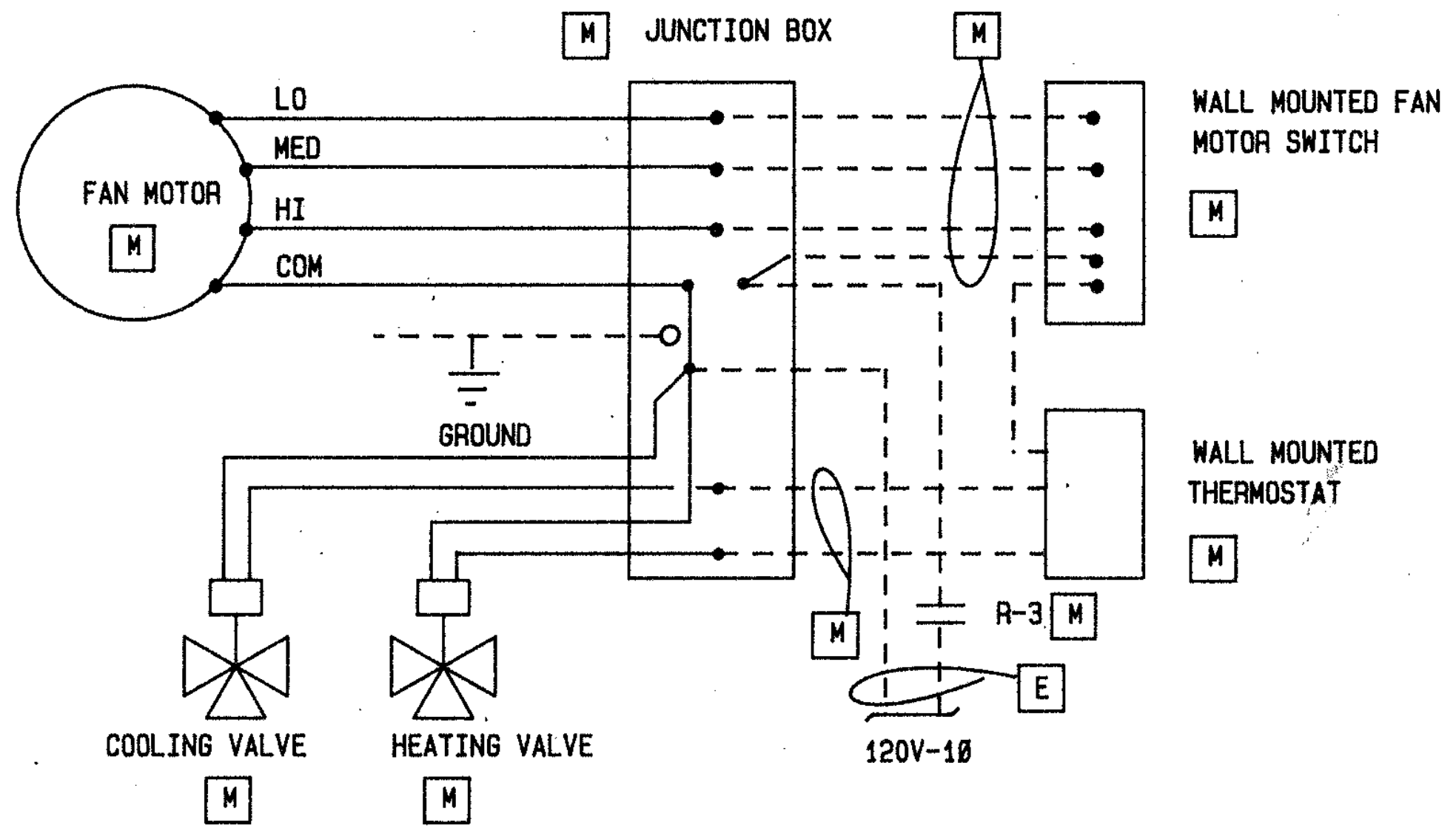
CHILLED WATER PUMP CONTROL

NOT TO SCALE


120 V-1 Ø
TRANSFORMER
R-3
24 V AC
ECONOMIZER CONTROLER (BARBER COLMAN, ELECTRIC) CP-8161-333
OP3
CLG
HTG
1SB
1SA
MOTORIZED DAMPER ACTUATOR MP-600 (TYPICAL FOR 3)
O.S.A. DAMPER
R.A. DAMPER
EXH. AIR DAMPER
3 WAY VALVE VS-9313- 300 (SIZE 1/2"-2") VP-8044-600 (SIZE 2"& UP)
CHW 3 WAY VALVE
HW 3 WAY VALVE
MIXED AIR SENSOR (TS-820)
ROOM SENSOR (TS-8101)
M

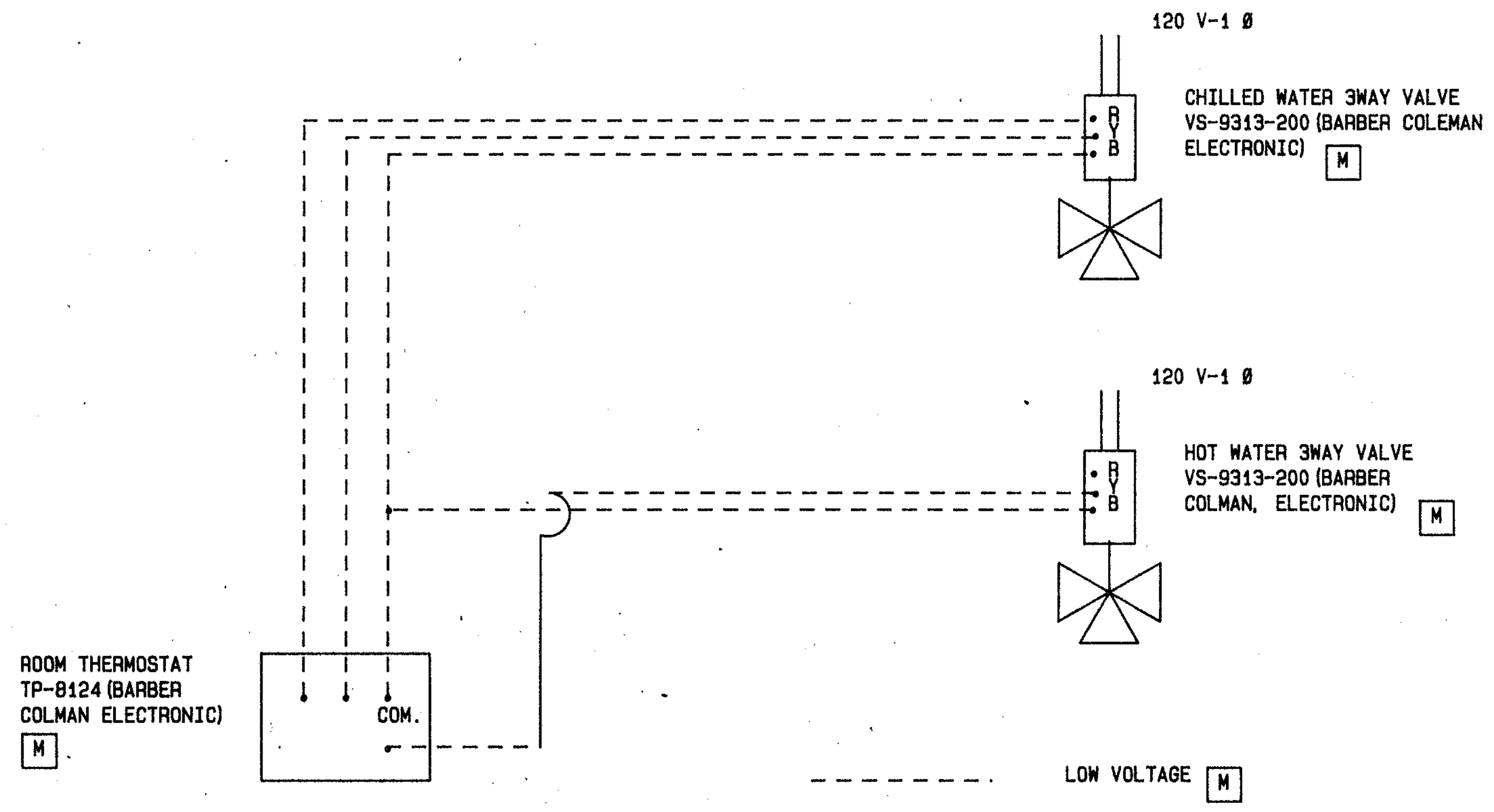
ECONOMIZER CONTROL DIAGRAM

NOT TO SCALE (FOR AIR HANDLER UNITS)


JUNCTION BOX
FAN MOTOR
LO
MED
HI
COM
GROUND
WALL MOUNTED FAN MOTOR SWITCH
WALL MOUNTED THERMOSTAT
R-3
E
120V-1Ø
COOLING VALVE
HEATING VALVE
M

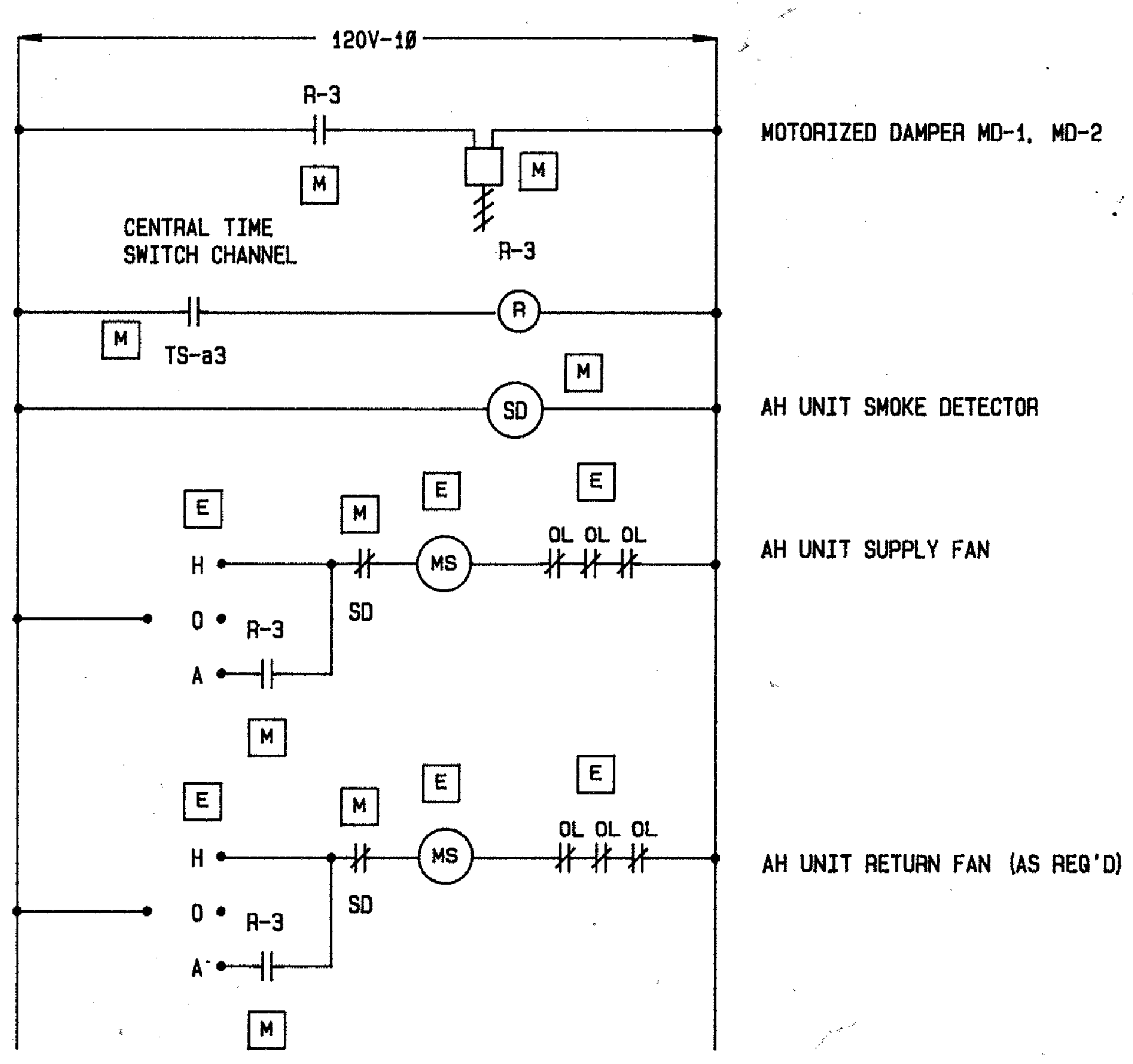
FAN AND COIL UNIT CONTROL

NOT TO SCALE


120 V-1 Ø
CHILLED WATER 3WAY VALVE VS-9313-200 (BARBER COLEMAN ELECTRONIC)
120 V-1 Ø
HOT WATER 3WAY VALVE VS-9313-200 (BARBER COLMAN, ELECTRONIC)
ROOM THERMOSTAT TP-8124 (BARBER COLMAN ELECTRONIC)
COM.
LOW VOLTAGE
M

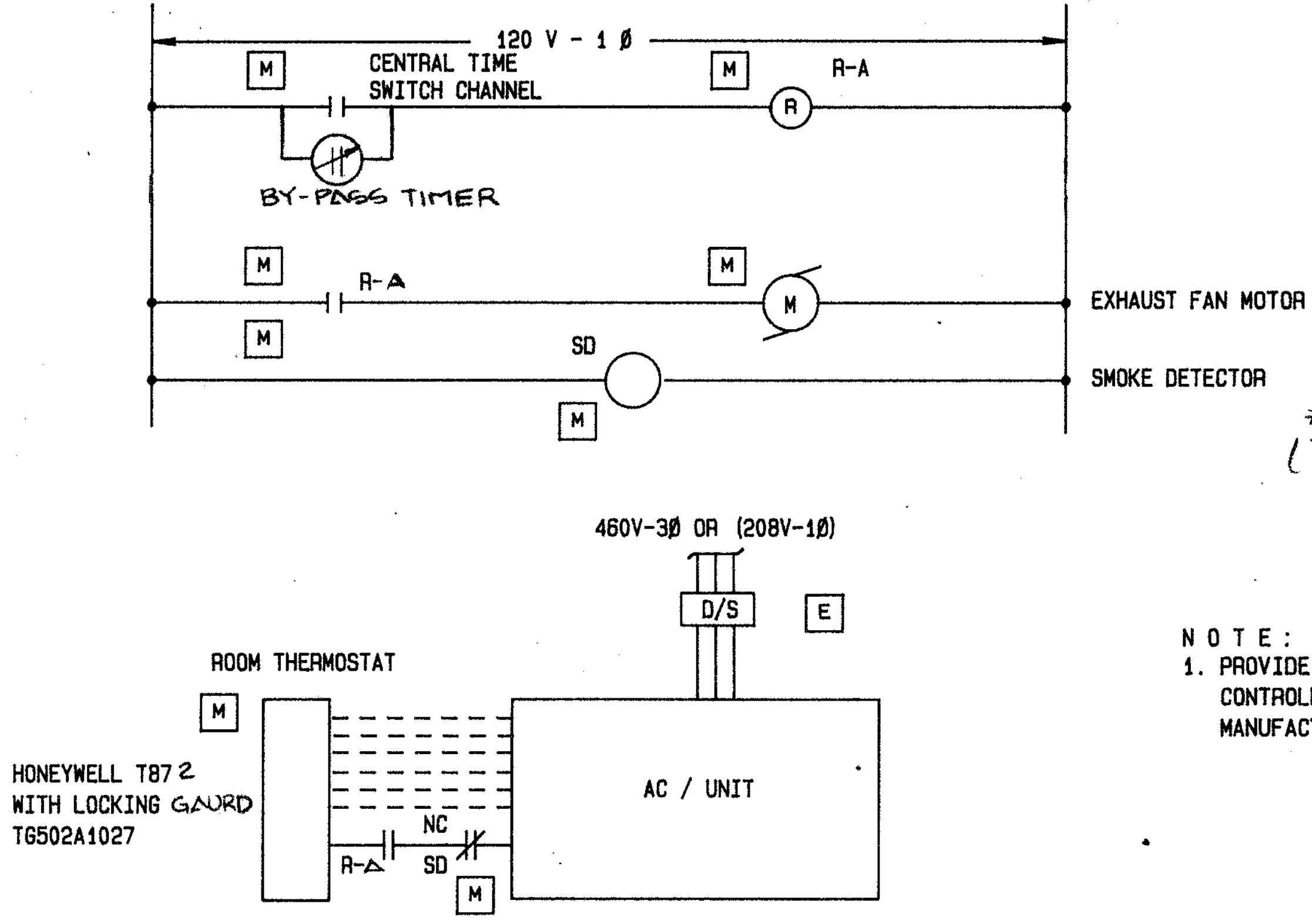
AIR HANDLER UNIT CONTROL DIAGRAM

NOT TO SCALE (WITHOUT ECONOMY CYCLE)


120V-1Ø
R-3
MOTORIZED DAMPER MD-1, MD-2
CENTRAL TIME SWITCH CHANNEL
R-3
TS-a3
R
SD
AH UNIT SMOKE DETECTOR
E
H
O
A
MS
OL OL OL
SD
AH UNIT SUPPLY FAN
AH UNIT RETURN FAN (AS REQ'D)
M

TYPICAL AIR HANDLER UNIT FAN CONTROL

NOT TO SCALE (AH-1, AH-2, AH-3, AH-4, AH-5, AH-6)

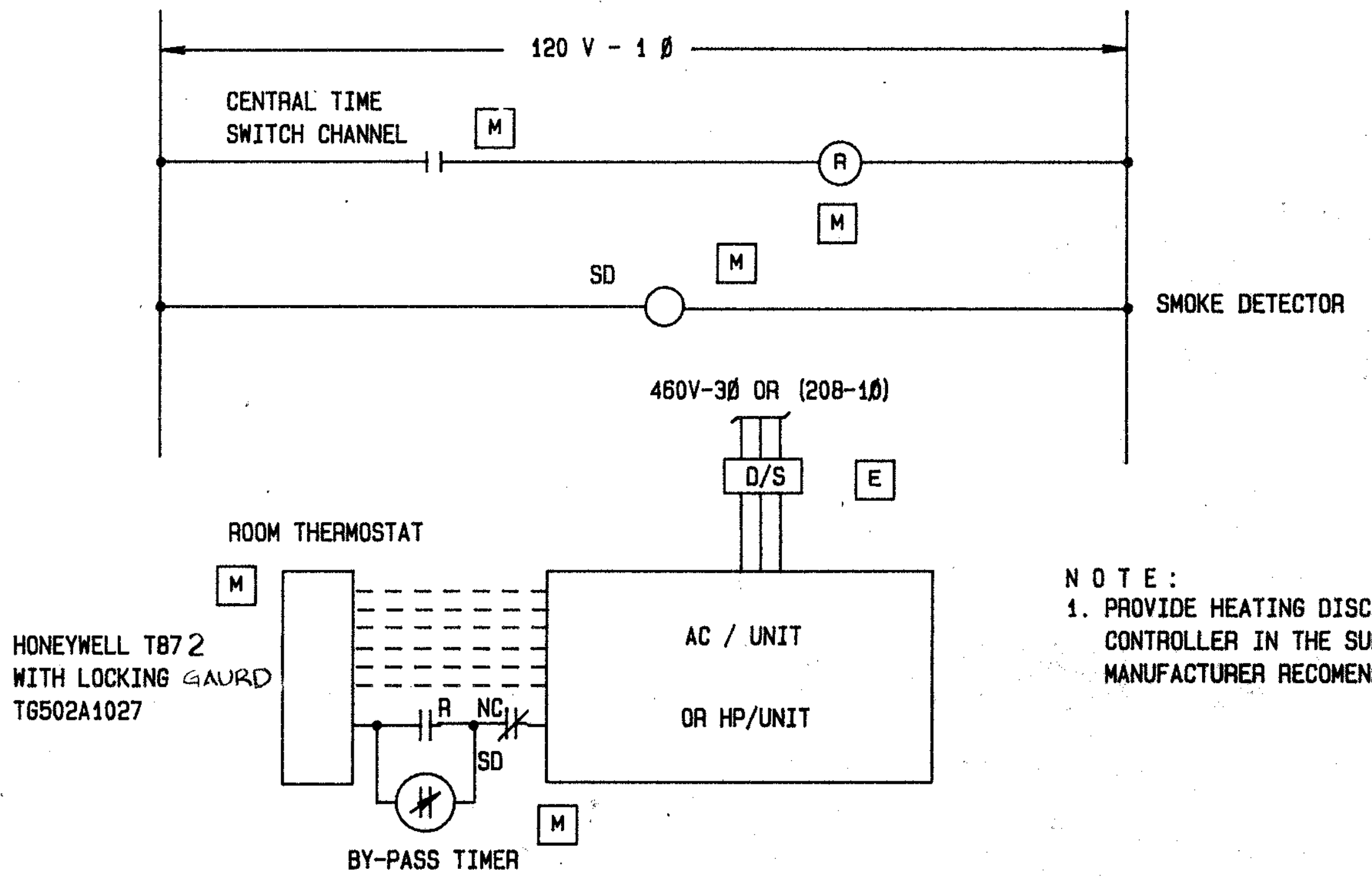

120 V - 1 Ø
CENTRAL TIME SWITCH CHANNEL
R-A
R
BY-PASS TIMER
R-A
M
EXHAUST FAN MOTOR
SD
SMOKE DETECTOR
460V-3Ø OR (208V-1Ø)
D/S
E
ROOM THERMOSTAT
HONEYWELL T872 WITH LOCKING GAURD TG502A1027
AC / UNIT
NC
R-A
SD

SIMPLEX
STATE FIREMARSHAL APPROVAL
CSFM 3240-026,123
(TYPICAL)

N O T E :
1. PROVIDE HEATING DISCHARGE HIGH LIMIT TEMPERATURE CONTROLLER IN THE SUPPLY AIR DUCT. (WIRING PER UNI MANUFACTURER RECOMENDATION).

TYPICAL PACKAGE UNIT CONTROL FOR A/C UNIT & EXHAUST FAN INTERLOCK

NOT TO SCALE


120 V - 1 Ø
CENTRAL TIME SWITCH CHANNEL
R
SD
SMOKE DETECTOR
460V-3Ø OR (208-1Ø)
D/S
E
ROOM THERMOSTAT
HONEYWELL T872 WITH LOCKING GAURD TG502A1027
AC / UNIT OR HP/UNIT
R
NC
SD
BY-PASS TIMER
M

N O T E :
1. PROVIDE HEATING DISCHARGE HIGH LIMIT TEMPERATURE CONTROLLER IN THE SUPPLY AIR DUCT. (WIRING PER UNIT MANUFACTURER RECOMENDATION).

TYPICAL PACKAGE UNIT CONTROL

NOT TO SCALE

APPROVED
OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY
A 49 2 5 JUN 1988
John R. McCarty

Drawn By S.G.
Checked By Q.M.
Date MARCH, 1988
Commission No 1-30-05

Revisions
BID JANUARY 1991

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Ronald H. Nack M-10770

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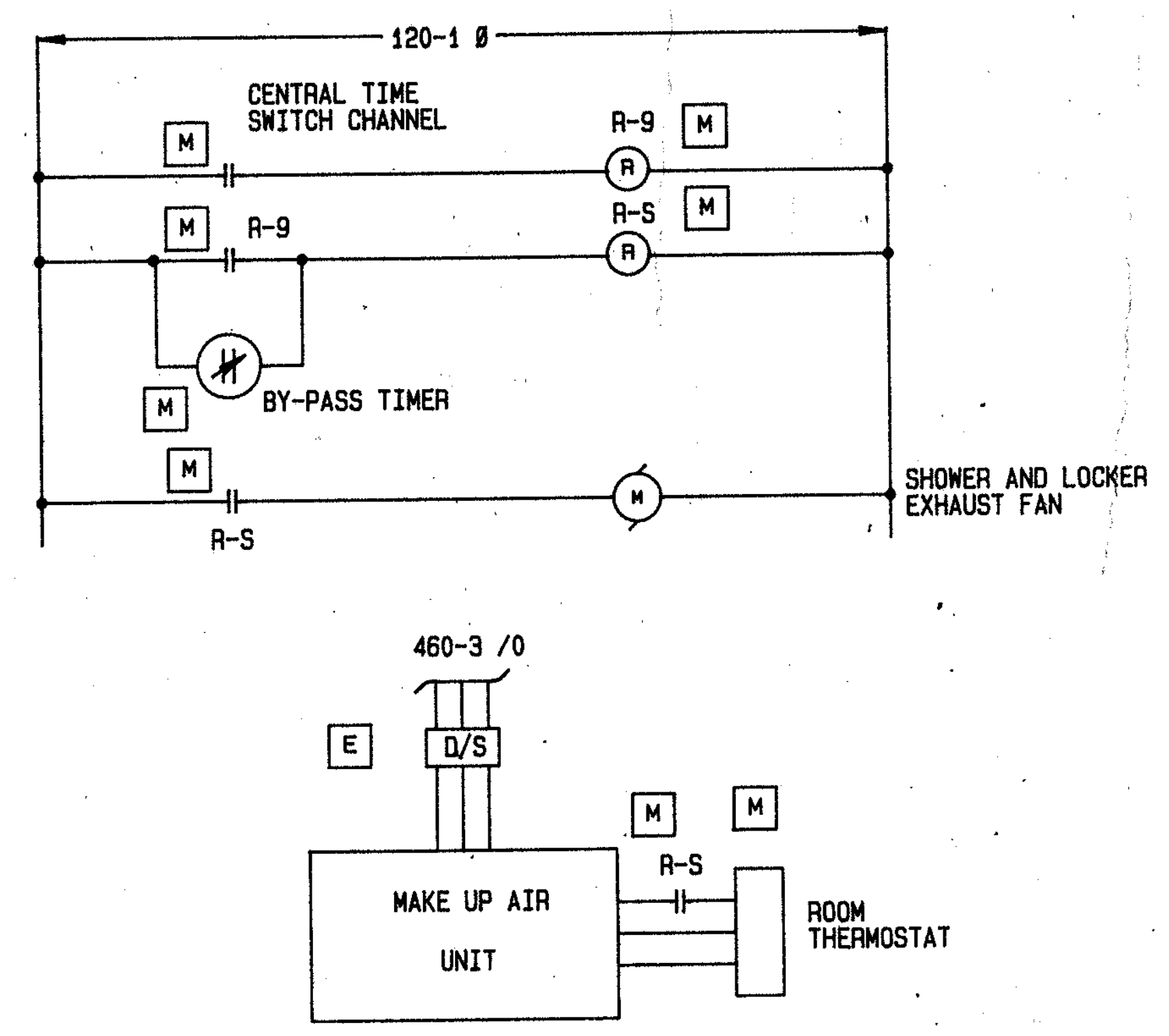
ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

CONTROLS

Sheet Number
M-27
14601 Sheets

INCREMENT 2

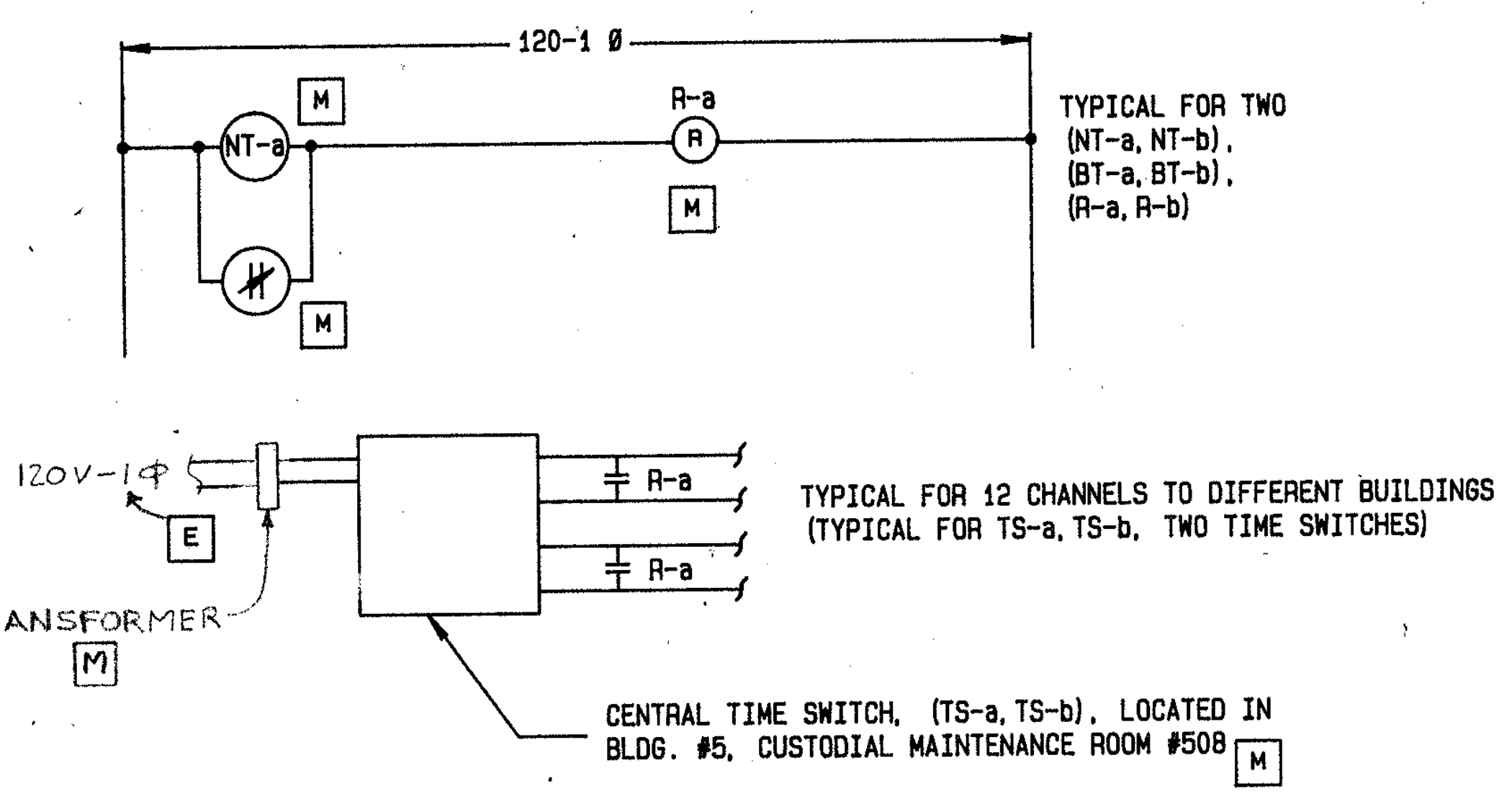

120-1 Ø
CENTRAL TIME SWITCH CHANNEL
M
R-9
M
R
M
R-9
R-S
M
R
BY-PASS TIMER
M
M
R-S
M
SHOWER AND LOCKER EXHAUST FAN
460-3 /0
E
D/S
M
M
R-S
MAKE UP AIR UNIT
ROOM THERMOSTAT

N O T E S:

1. MU-1 SHALL BE INTERLOCKED WITH EF-77 AND EF-78.
2. MU-2 SHALL BE INTERLOCKED WITH EF-79.
3. MMU-3 SHALL BE INTERLOCKED WITH EF-80 AND EF-82.

SHOWER AND LOCKER EXHAUST SYSTEM CONTROL

NOT TO SCALE


120-1 Ø
NT-a
M
R-a
R
M
M
TYPICAL FOR TWO
(NT-a, NT-b),
(BT-a, BT-b),
(R-a, R-b)
120V-1Φ
E
TRANSFORMER
M
R-a
R-a
TYPICAL FOR 12 CHANNELS TO DIFFERENT BUILDINGS
(TYPICAL FOR TS-a, TS-b, TWO TIME SWITCHES)
CENTRAL TIME SWITCH, (TS-a, TS-b), LOCATED IN BLDG. #5, CUSTODIAL MAINTENANCE ROOM #508
M

CENTRAL TIME SWITCH CHANNEL	RELAY NO.	RELAY LOCATION IN T.C.P.	UNITS SERVED
TS-a1 ①	R-1	CHILLER YARD	CHILLED WATER PUMP
TS-a2	R-2	PERFORMING ARTS BLDG. #1, CUST. ROOM #154A	AC-34, AC-35, AC-36, AC-37
TS-a3	R-3	PERFORMING ARTS BLDG. #1, AIR HANDLER ROOM	AH-1, AH-2, AH-3, AH-4, AH-5 AH-6, FC-1, FC-2, FC-3
TS-a4	R-4	ADMINISTRATION BLDG. #2, MECH. ROOM #230	AC-66, AC-71
TS-a5	R-5	BUSINESS BLDG. #3, CUST. ROOM #311	ALL THE AC UNITS SERVING BUSINESS BLDG. #3
TS-a6	R-6	KITCHEN BLDG. #4, CUST. ROOM #420	ALL THE AC UNITS SERVING KITCHEN BLDG. #4
TS-a7	R-7	WOOD SHOP/CUSTODIAL BLDG. #5, CUST./MAINTENANCE ROOM #508	AC-15 ⑥
TS-a8	R-8	PHYSICAL EDUCATION BLDG. #1, STORAGE ROOM #118	AC-63, AC-64, AC-65
TS-a9	R-9	PHYSICAL EDUCATION BLDG. #1, STORAGE ROOM #118	MU-1, MU-2, MU-3, EF-77, EF-78, EF-79, EF-80, EF-82
TS-a10	R-10	LIBRARY/GUIDANCE BLDG. #10, STORAGE ROOM #1104	ALL THE AC UNITS IN LIBRARY/ ② GUIDANCE BLDG. EXCEPT AC-8 AND AC-75
TS-b1	R-11	ARTS AND CRAFTS BLDG. #6, CUST. ROOM #606	ALL THE AC UNITS IN ③ ④ ARTS AND CRAFTS BLDG. #6
TS-b2	R-12	LANGUAGE BLDG. #7, CUST. ROOM #711	ALL THE AC UNITS IN LANGUAGE BLDG. #7
TS-b3	R-13	HOME ECONOMICS BLDG. #8, CUST. ROOM #810	ALL THE AC UNITS IN HOME ECONOMICS BLDG. #8 EXCEPT AC-33 ⑦
TS-b4	R-14	ENGLISH BLDG. #9, CUST. ROOM #910	ALL THE AC AND HP UNITS IN ENGLISH BLDG. #9
TS-b5	R-15	SPECIAL EDUCATION BLDG. #11, CUST. ROOM #1113	ALL THE AC UNITS IN SPECIAL EDUCATION BLDG. #11
TS-b6	R-16	SCIENCE BLDG. #12, CUST. ROOM #1216	ALL THE AC UNITS IN ⑤ SCIENCE BLDG. #12
TS-b7	R-17	MATH BLDG. #13, CUST. ROOM #1309	ALL THE HEAT PUMP UNITS IN MATH BLDG. #13
TS-b8	R-18	SOCIAL STUDIES BLDG. #14, CUST. ROOM #1412	ALL THE HEAT PUMP UNITS IN SOCIAL STUDIES BLDG. #14

N O T E S:

① DO NOT PROVIDE R-a CONTACT FOR TS-a1.

② COMMUNICATION, (ROOM #1002), AC UNIT SHALL BE CONTROLLED BY ROOM THERMOSTAT.

③ AC-18 SHALL BE INTERLOCKED WITH EF-17.

④ AC-17 SHALL BE INTERLOCKED WITH EF-38.

⑤ INTERLOCK EF-51 WITH SF-1. PROVIDE ZERO SPEED SWITCH W/ AUDIBLE ALARM ON EF-51
INTERLOCK EF-52 WITH SF-3. PROVIDE ZERO SPEED SWITCH W/ AUDIBLE ALARM ON EF-52
INTERLOCK EF-53 WITH SF-2. PROVIDE ZERO SPEED SWITCH W/ AUDIBLE ALARM ON EF-53
PROVIDE AN INDIVIDUAL BY-PASS TIMER NEXT TO THE CLASSROOM
AC UNIT BY-PASS TIMER FOR EF-41, EF-42, EF-43, EF-44, EF-45, EF-46, EF-48, EF-49, EF-50.

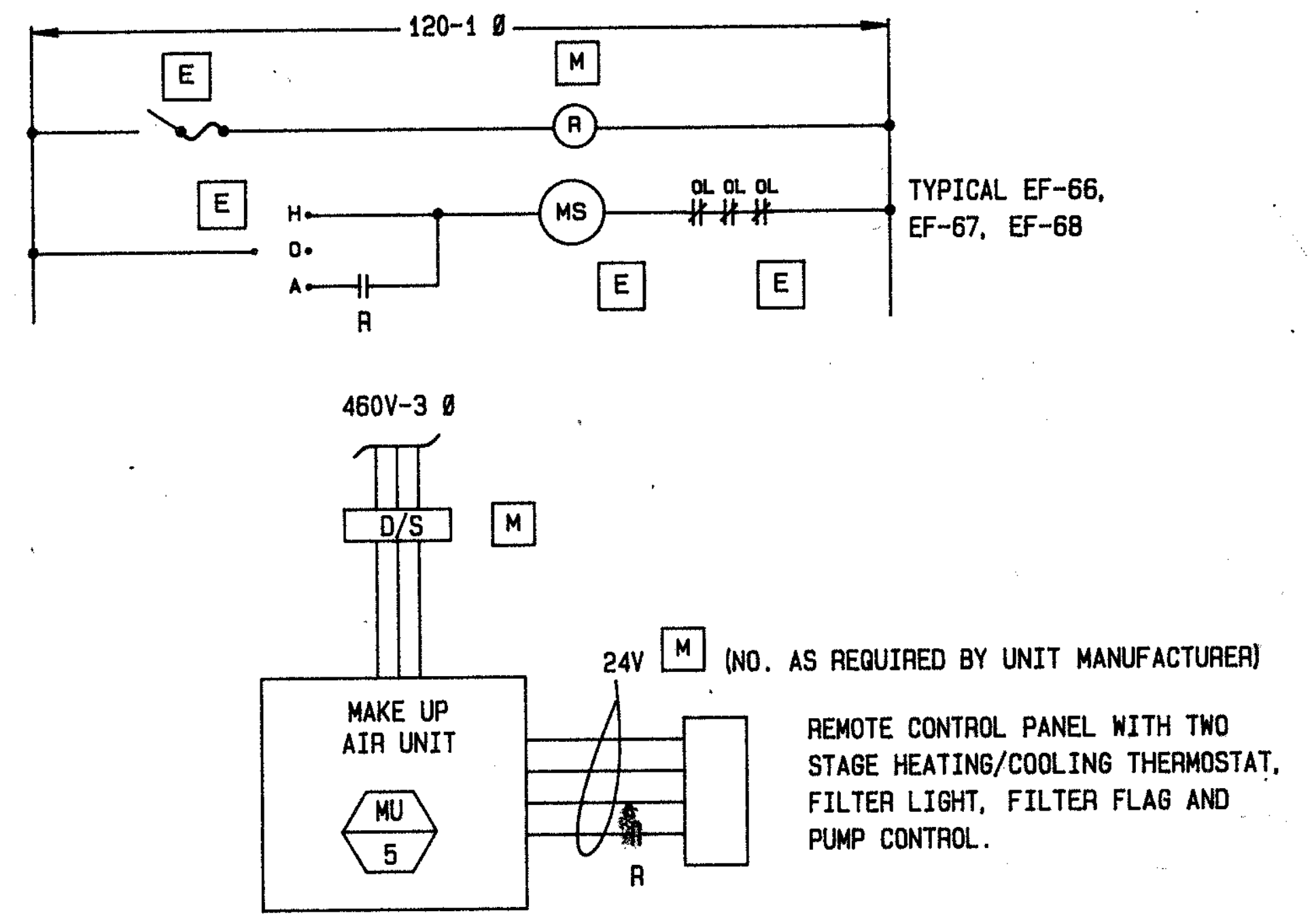
⑥ INTERLOCK EF-31 WITH MD-13.
INTERLOCK EF-34 WITH MD-14.
INTERLOCK EF-32 WITH MD-15.

⑦ AC-33 ON A BY-PASS TIMER ONLY

⑧ ROOM THERMOSTAT SHALL CYCLE THE FAN ON AC-14 FOR DIMMER ROOM

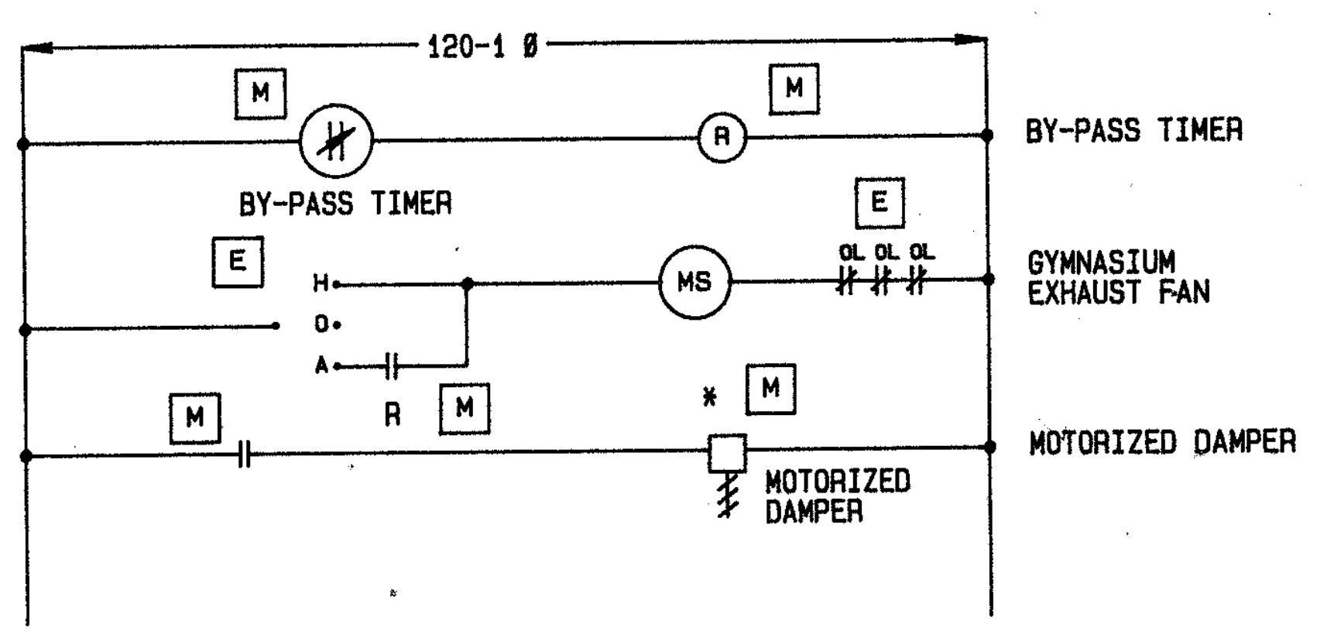
CENTRAL TIME SWITCH CONTROL

NOT TO SCALE


120-1 Ø
E
M
R
E
H
O
A
R
MS
OL OL OL
E
E
TYPICAL EF-66, EF-67, EF-68
460V-3 Ø
D/S
M
24V
M
(NO. AS REQUIRED BY UNIT MANUFACTURER)
MAKE UP AIR UNIT
MU
5
R
REMOTE CONTROL PANEL WITH TWO STAGE HEATING/COOLING THERMOSTAT, FILTER LIGHT, FILTER FLAG AND PUMP CONTROL.

KITCHEN CONTROL DIAGRAM

NOT TO SCALE


120-1 Ø
M
M
R
BY-PASS TIMER
BY-PASS TIMER
E
E
H
O
A
MS
OL OL OL
GYMNASIUM EXHAUST FAN
M
R
M
*
M
MOTORIZED DAMPER
MOTORIZED DAMPER

* EXTERIOR LOUVER WITH DAMPER AND OPERATOR FURNISHED UNDER ANOTHER SECTION OF SPECIFICATIONS INTERLOCK WITH INDICATED EXHAUST FAN BY MECH. CONTRACTOR.

EXHAUST FAN	RELAY	MOTORIZED DAMPER	BY-PASS TIMER
EF-7, EF-8	R-G1	MD-7	BT-G1
EF-9, EF-10	R-G2	MD-8	BT-G2
EF-21, EF-20	R-G3	MD-5	BT-G3
EF-14, EF-16	R-G4	MD-6	BT-G4
EF-17	R-G5	MD-9	BT-G5
EF-18, EF-19	R-G6	MD-10	BT-G6
EF-11, EF-12	R-G7	MD-11	BT-G7
EF-13, EF-15	R-G8	MD-12	BT-G8

GYMNASIUM FAN CONTROL

NOT TO SCALE

GAS INFRARED HEATER CONTROL

1. RH-1, RH-2, RH-3, AND RH-4 SHALL BE INTERLOCKED AND STARTED AND STOPPED BY BY-PASS TIMER BT-G9.
2. RH-5, RH-6, RH-7, AND RH-8 SHALL BE INTERLOCKED AND STARTED AND STOPPED BY BY-PASS TIMER BT-G10.
3. RH-9, RH-10, RH-11, RH-12, RH-13, RH-14, RH-15, RH-16 SHALL BE INTERLOCKED AND STARTED AND STOPPED BY BY-PASS TIMER BT-G11.
4. RH-17, RH-18, RH-19, AND RH -20 SHALL BE INTERLOCKED AND STARTED AND STOPPED BY BY-PASS TIMER BT-G12.
5. RH-21 AND RH-22 SHALL BE INTERLOCKED AND STARTED AND STOPPED BY BY-PASS TIMER BT-G13.
6. GAS PRESSURE ACTUATED SOLENOID VALVE SHALL CUT-OFF THE CONTROL POWER FROM ALL THE INFRARED HEATERS IN CASE OF LOW PRESSURE CONDITION, (FURNISHED BY AIR CONDITION CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR).

N O T E S:

1. EACH UNIT HEATER SHALL BE CONTROLLED BY ITS ROOM THERMOSTAT AND A BY-PASS TIMER.

OFFICE OF THE STATE ARCHITECT
A 49275 JUN 1985
John P. M

Drawn By G.G.
Checked By Q.M.
Date MARCH, 1988
Commission No 1-30-05

Revisions
BID JANUARY 1991

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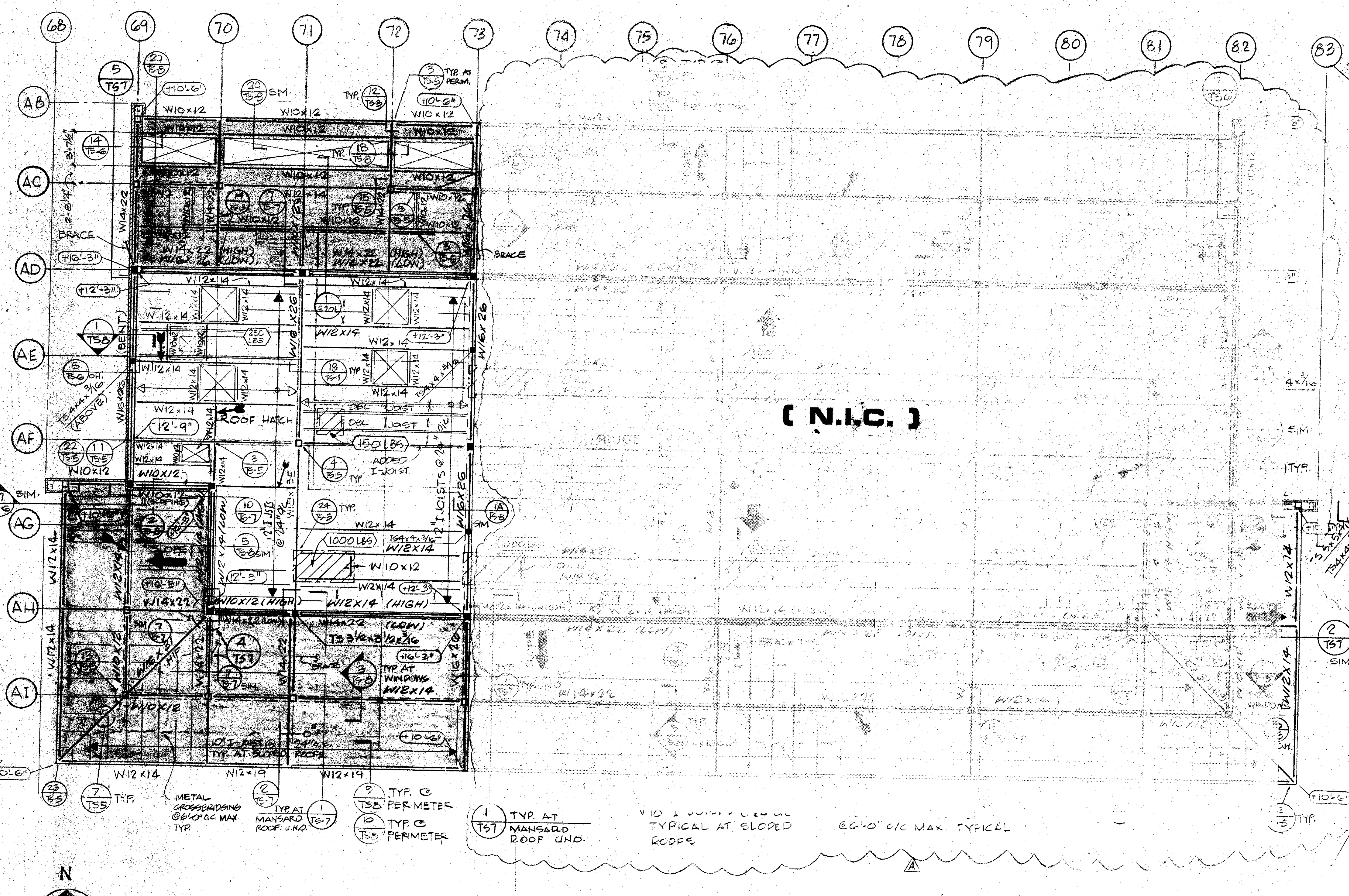
ARCHITECT
C20862

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

CONTROLS

Sheet Number
M-28
147 Of Sheets
INCREMENT 2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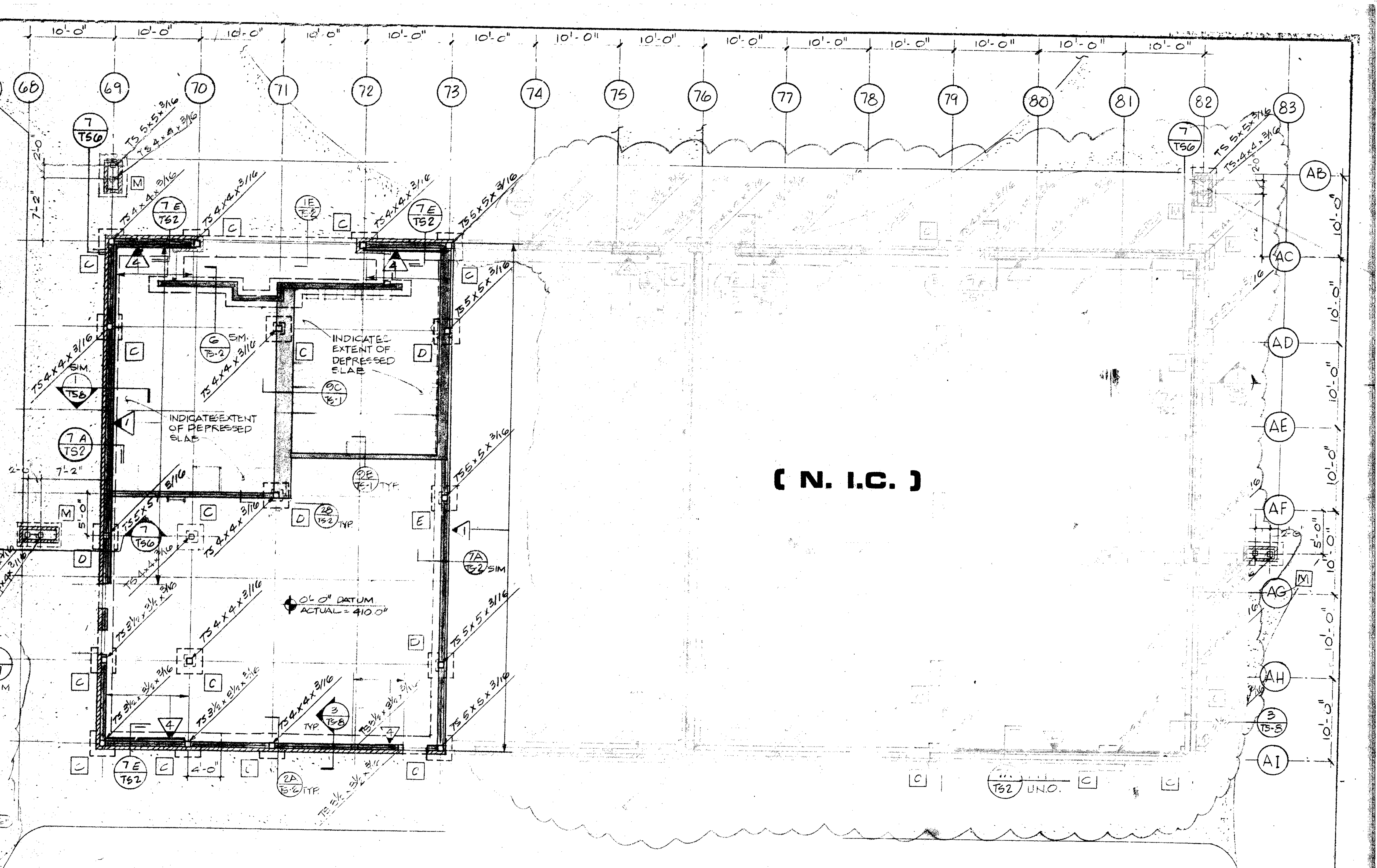
73
74
75
76
77
78
79
80
81
82
83
AB
AC
AD
AE
AF
AG
AH
AI
(N.I.C.)
W10x12
W12x14
W16x26
ROOF HATCH
BRACE
TYP. AT MANSARD ROOF UNO.
TYPICAL AT SLOPED ROOFS
@ 6'-0" o/c MAX. TYPICAL
N

ROOF FRAMING PLAN

SCALE 1/8"=1'-0"


10'-0"
68
69
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71
72
73
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75
76
77
78
79
80
81
82
83
AB
AC
AD
AE
AF
AG
AH
AI
(N. I.C.)
INDICATES EXTENT OF DEPRESSED SLAB
0'-0" DATUM ACTUAL = 410.0'
TS 5x5x3/16
N

FOUNDATION PLAN

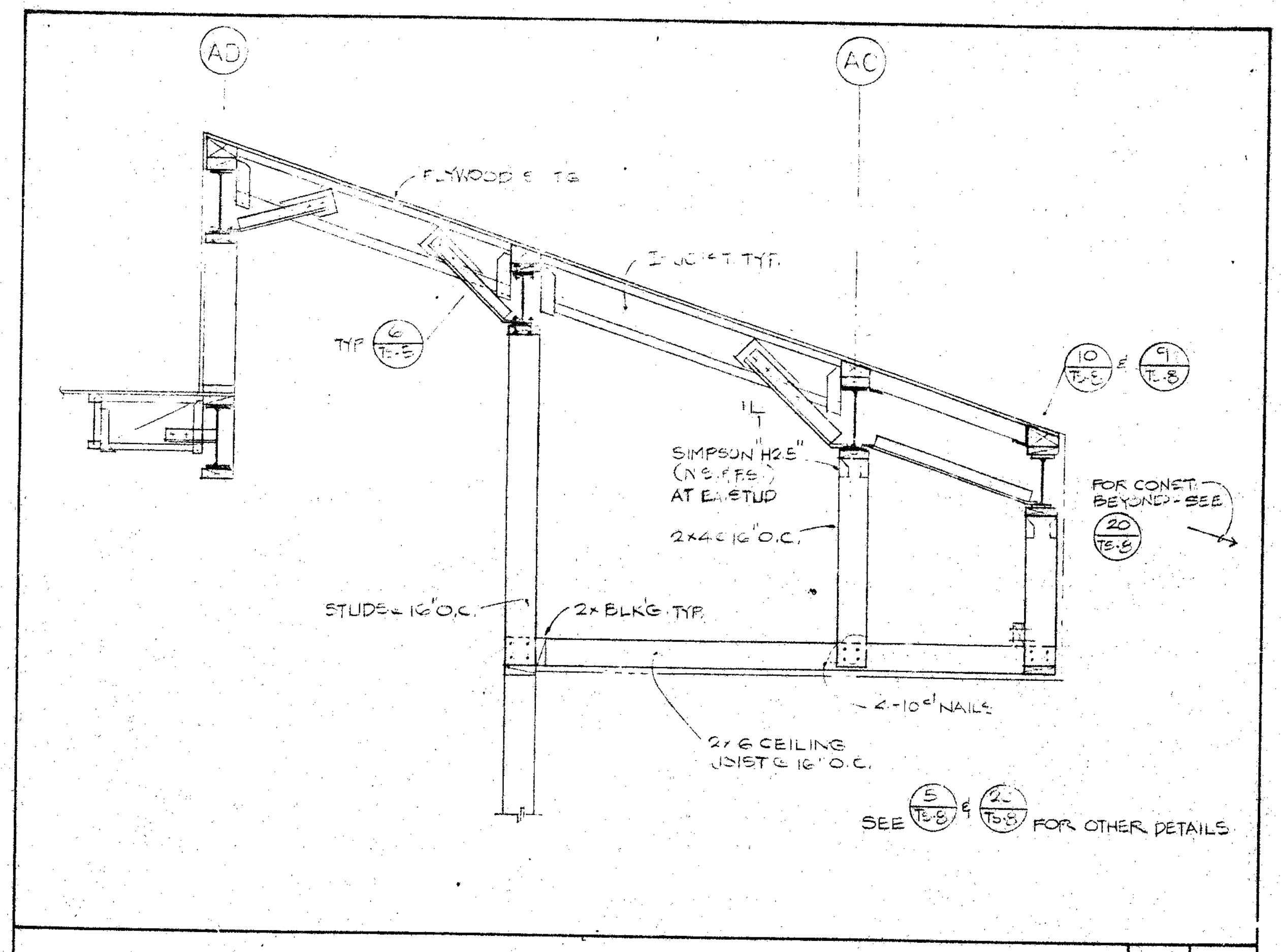
SCALE 1/8"=1'-0"

ROOF FRAMING PLAN NOTES:

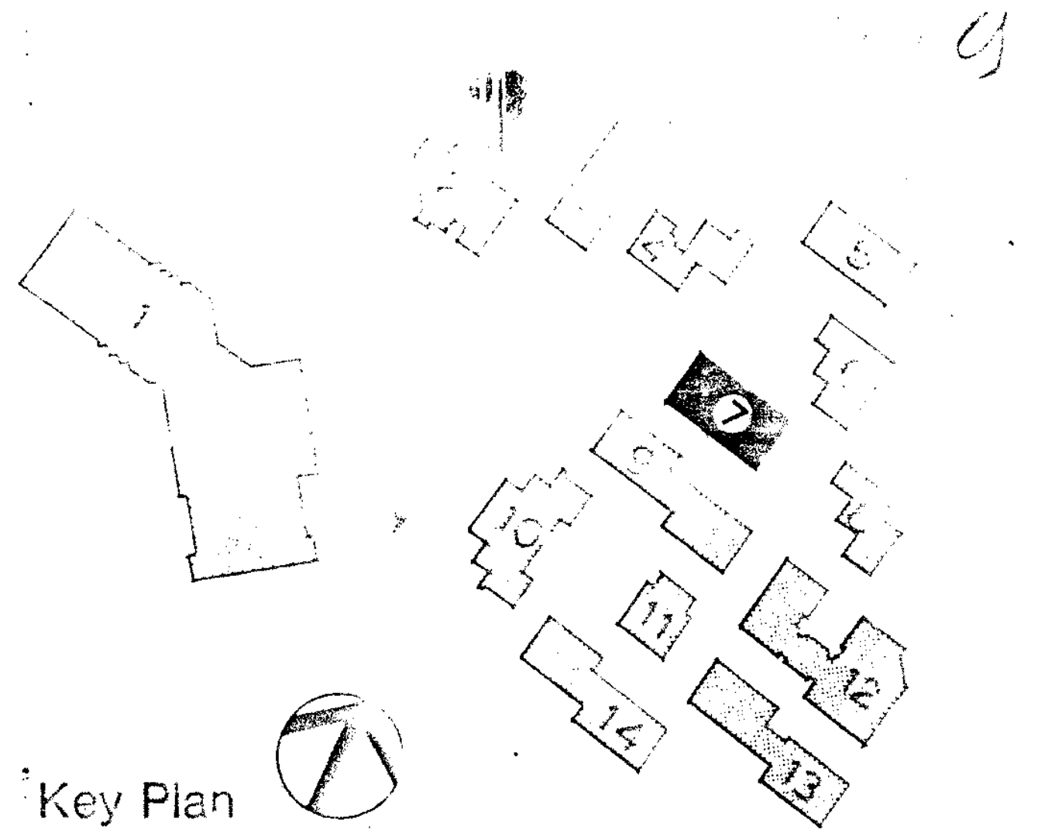
1. TYPICAL ROOF SHEATHING - 1/2" THICK PLYWOOD, U.N.O. SEE 6/TS
2. PROVIDE METAL CROSS BRIDGING BETWEEN PLYWOOD WEB JOIST PER [illegible], MAXIMUM SPACING AT 6'-0" O.C.
3. ▭ INDICATES TOP OF PLYWOOD SHEATHING ELEVATION ABOVE FINISH FLOOR ELEVATION.
4. ▨ INDICATES MECHANICAL EQUIPMENT, FOR SUPPORT FRAMING SEE DETAIL 9/TS5.
⬭ INDICATES MAXIMUM OPERATING WEIGHT.
5. ← INDICATES 2-ROWS OF BOUNDARY NAILING REQUIRED. FOR FULL LENGTH OF SLOPE.
6. ■ INDICATES STACKED COLUMN, TS3½ x 3½ x 3/16 TYPICAL, U.N.O.
7. ■ INDICATES THRU COLUMN
□ INDICATES COLUMN BELOW
□ INDICATES COLUMN STOPPING AT ROOF LEVEL
➡ INDICATES DOWNWARD ROOF SLOPE.

FOUNDATION PLAN NOTES:

1. TYPICAL INTERIOR CONCRETE SLAB ON GRADE:
4" CONCRETE SLAB REINFORCED W/ #3 @ 24" O.C. EA. WAY ON 2" SAND ON IMPERMEABLE POLYETHYLENE MEMBRANE ON COMPACTED ENGINEERED EARTHFILL.
2. [A] INDICATES FOOTING TYPES - SEE 2/TS-2.
3. B.O.F.=(-) INDICATES BOTTOM OF FOOTING ELEVATION BELOW FINISH FLOOR ELEVATION.
TYPICAL INTERIOR = (-)2'-0" U.N.O.
TYPICAL EXTERIOR = (-)2'-6" U.N.O.
4. INDICATES PLYWOOD SHEARWALL, SEE SCHEDULE 6/TS4.
INDICATES EXTENT OF PLYWOOD SHEAR WALL
5. INDICATES CONCRETE CURB. SEE ARCH DETAIL 13/TD14
6. "HD7A" INDICATES HOLDOWN AT 4x6 POST- TYP. U.N.O. SEE 12/TS4
7. ALL EXTERIOR STUDS SHALL BE 6 STUD @ 16" O.C., U.N.O., SEE ARCH.
8. TYPICAL BLOCK VENEER ANCHORAGE DETAIL, SEE 4/TS3.
9. "U.N.O." INDICATES UNLESS NOTED OTHERWISE.
6A/TS2 INDICATES FOOTING SECTION.
INDICATES FOOTING TYPE & REINFORCING [illegible]
SEE 9/TS2.
INDICATES SHEET NUMBER.
11. DIMENSION AND GRID STATION INDICATES CENTER LINE OF STUD
12. [illegible] LINE OF STEEL [illegible] AND STUD WALL CONST.
13. SEE 1/TS4 FOR TYPICAL STUD WALL CONSTRUCTION


AD
AC
PLYWOOD TS
2x JOIST TYP.
TYP. 16/TS-5
SIMPSON H2.5 (NS KB'S) AT EA. STUD
2x4 @ 16" O.C.
FOR CONT. BEYOND - SEE 20/TS-6
STUDS @ 16" O.C.
2x BLKG TYP.
2-10d NAILS
2x6 CEILING JOIST @ 16" O.C.
SEE 5/TS-8 & 6/TS-8 FOR OTHER DETAILS

SECTION ½" 1

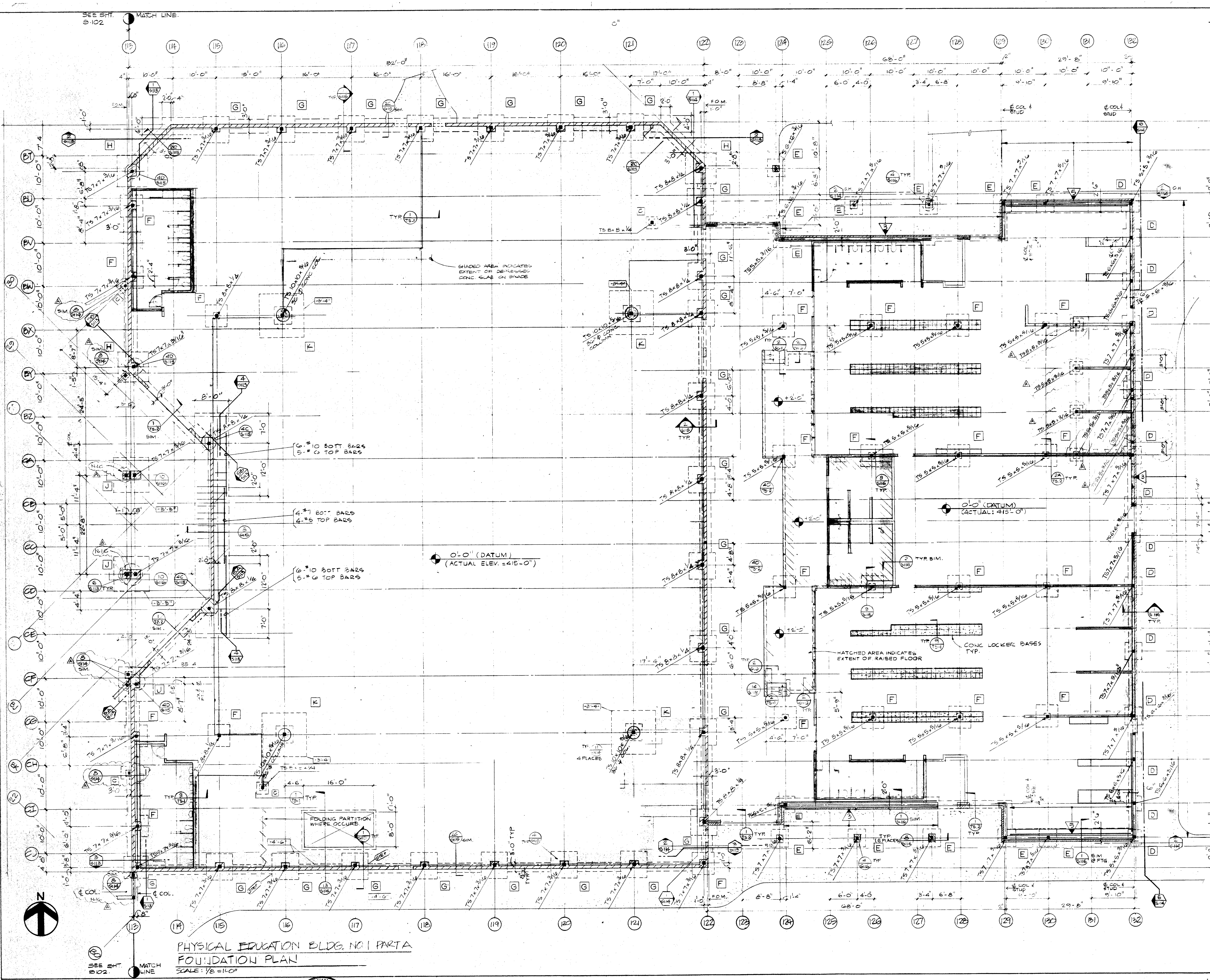


Key Plan

Drawn By KW Checked By SRU Date MAR 1988 Commission No. 130.02	Revisions △A 6-29-88 PHASING	Brandow & Johnston Assoc. Structural Engineers Mamoru E. Kanda	Architects Planners RUHNAU McGAVIN RUHNAU/ASSOCIATES 3775 Tenth Street Riverside, CA 92501-3669 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-1995 619/438-5899	ARCHITECT C-6497	West Hills High School Grossmont Union High School District San Diego, Ca San Diego County	Language - Bldg. No.7 Foundation and Roof Framing Plan

Sheet Number S701 Of Sheets

MAMORU E. KANDA No. 956 EXP. 12-31-88


SEE SHT. S102
MATCH LINE
0'-0" (DATUM) (ACTUAL ELEV. =415'-0")
0'-0" (DATUM) (ACTUAL: 415'-0")
SHADED AREA INDICATES EXTENT OF DEPRESSED CONC. SLAB ON GRADE
6-#10 BOTT BARS
5-#6 TOP BARS
4-#7 BOTT BARS
4-#5 TOP BARS
HATCHED AREA INDICATES EXTENT OF RAISED FLOOR
CONC. LOCKER BASES TYP.
FOLDING PARTITION WHERE OCCURS
TS 7x7x3/16
TS 8x8x1/4
TS 5x5x5/16
TS 10x10x5/16 W/ CONC COLUMN
℄ COL. & STUD
℄ COL.
F.O.M.
TYP.
SIM.
4 PLACES
Key Plan
N

NOTES: THE FOLLOWING NOTES GOVERN. EXCEPTIONS ARE NOTED ON THE PLANS

1. CENTERLINE OF STEEL COLUMNS & STUD WALL COINCIDE.
2. [0'-0"] BOTTOM OF FOOTING ELEVATION INDICATES DIMENSION FROM FINISH FIRST 0'-0" DATUM (ACTUAL: [415'-0"]).
   - TYPICAL EXTERIOR STUD WALL FTG [-3'-0"].
   - TYP. EXT. MASONRY WALL FTG. [-3'-0"].
   - TYP. EXT. COL. FTG. (STUD WALL) [-3'-0"].
   - TYP. EXT. COL FTG (MASONRY WALL) [-3'-0"].
   - TYP. INT. COL. FTG. [-3'-0"].
3. [A] INDICATES FTG. TYPE.
   - SEE 2/TS2 TYP. INT.
   - SEE 1B/TS2 TYP. EXT. AT STUD WALL.
   - SEE 2C/S14 SIM. TYP. EXT. AT MASONRY WALL.
4. INDICATES CONC. CURB WITH WOOD FRAMED WALL.
5. INDICATES PLYWOOD SHEATHED (SHEAR) WALL.
   SHEAR WALL TYPE. SEE 6/TS4.
   INDICATES EXTENT OF SHEARWALL.
6. CONCRETE SLAB ON GRADE: 4" THK. REINFORCED WITH #3 @ 18" O.C. EACH WAY PLACED 1" CLR. FROM TOP OF SLAB.

PHYSICAL EDUCATION BLDG. NO. 1 PART A
FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

Drawn By	MN
Checked By	SRU
Date	MAR 1988
Commission No	1.30.02

Revisions
△ 6-29-88 PHASING

Brandow & Johnston Assoc.
Structural Engineers

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No. 956
EXP. 12-31-88
STRUCTURAL

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619/438-5899

ARCHITECT
C-6497

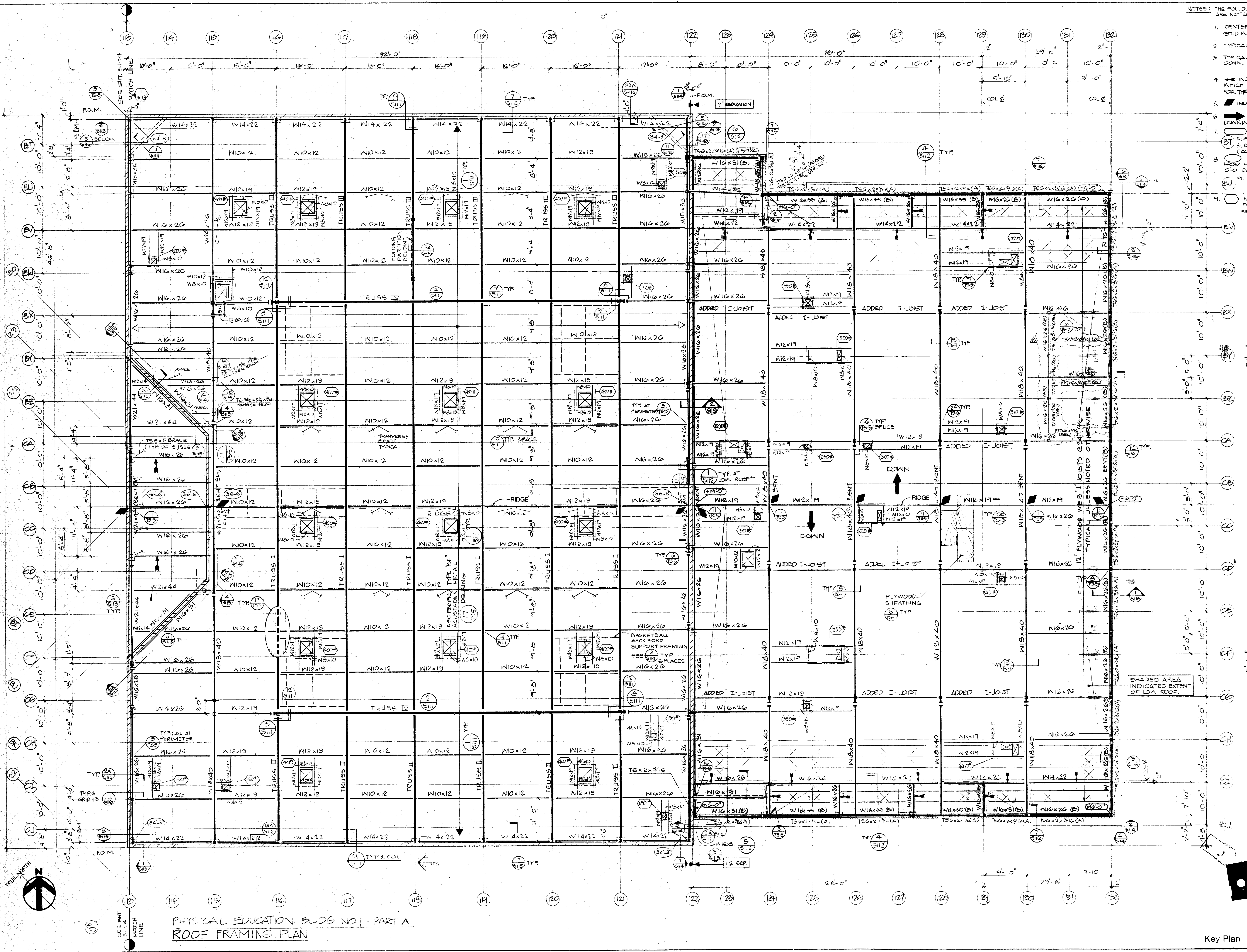
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

GYMNASIUM – BLDG. No. 1 – PART A
Foundation Plan

Sheet Number
S101
Of

NOTES: THE FOLLOWING NOTES GOVERN. EXCEPTIONS ARE NOTED ON THE PLANS.

1. CENTER LINE OF STEEL COLUMNS AND STUD WALLS COINCIDE.
2. TYPICAL BEAM TO GIRDER CONN. SEE 24/TS-5
3. TYPICAL BEAM/GIRDER TO COLUMN CONN. SEE 4/TS-5, 5/TS-5, 12/TS-5 & 20/TS-5
4. ◄◄ INDICATES BEAMS, GIRDERS & STRUTS WHICH REQUIRE 2-ROWS OF EDGE NAILING FOR THEIR FULL LENGTH.
5. ▰ INDICATES BENT BEAM. -SEE 11/TS.5
6. ➡ DOWN: INDICATES DIRECTION OF DOWNWARD SLOPE.
7. ⬭ INDICATES TOP OF SHEATHING ELEVATION FROM FINISH FIRST FLOOR ELEVATION: 0'-0" DATUM (ACTUAL: 415'-6")
8. ⬯ INDICATES TOP OF STEEL ELEVATION FROM FINISH FIRST FLOOR ELEVATION: 0'-0' DATUM (ACTUAL: 415'-6')
9. |X|X|X| INDICATES METAL CROSS BRIDGING SEE 23/TS-1 TYP.
9. ⬡ INDICATES WEIGHT OF MECH. EQUIP. FOR EQUIPMENT SUPPORT FRAMING SEE 9/TS5 TYP.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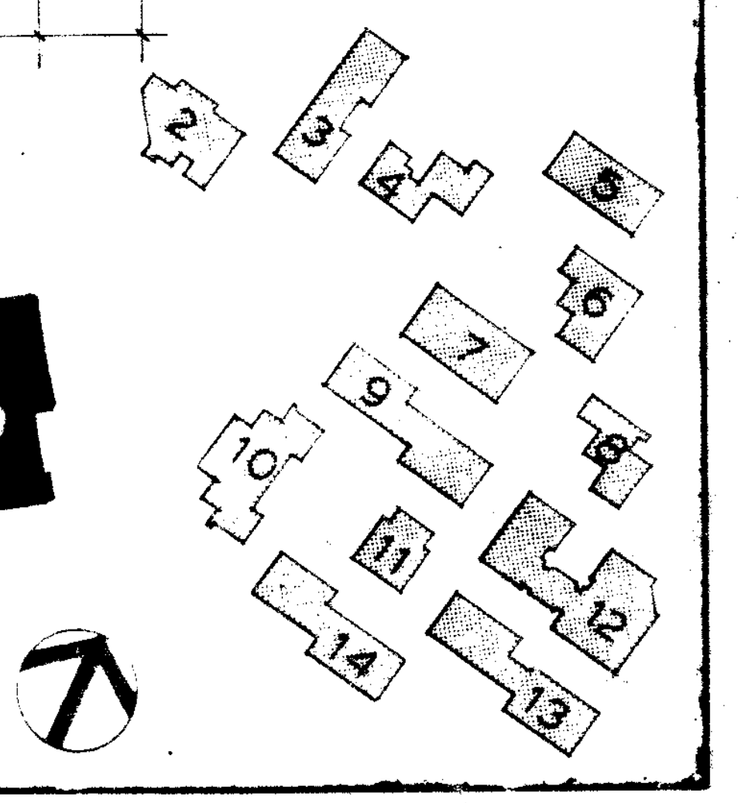
131
132
BT
BU
BV
BW
BX
BY
BZ
CA
CB
CC
CD
CE
CF
CG
CH
CI
CJ
82'-0"
68'-0"
145'-8"
72'-0"
72'-10"
SEE SHT. S-104 MATCH LINE
F.O.M.
2" SEPARATION
2" SEP.
COL ℄
W14x22
W10x12
W12x19
W16x26
W16x31
W18x35
W18x40
W21x44
W8x10
W5x10
TRUSS I
TRUSS II
TRUSS III
TRUSS IV
RIDGE
DOWN
ADDED I-JOIST
TYP. SPLICE
℄ SPLICE
TS5x5 BRACE (TYP OF 5) SEE
TRANVERSE BRACE TYPICAL
TYP. BRACE
TYP. AT PERIMETER
TYPICAL AT PERIMETER
TYP. AT LOW ROOF
FOLDING PARTITION BELOW
TYPE "B" METAL DECKING
ASC PACIFIC ACUSTADEK
BASKETBALL BACK BORD SUPPORT FRAMING SEE 3/S115 TYP. 6 PLACES
PLYWOOD SHEATHING 6/TS-1 TYP.
12" PLYWOOD WEB I-JOISTS @ 24" O/C TYPICAL UNLESS NOTED OTHERWISE
SHADED AREA INDICATES EXTENT OF LOW ROOF.
TYP. @ GRID 113
TYP @ COL
TRUE NORTH
N

PHYSICAL EDUCATION BLDG NO. 1 - PART A
ROOF FRAMING PLAN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Key Plan

Drawn By	MN
Checked By	SRU
Date	MAR 1986
Commission No	1.30.02

Revisions
△A - 6-29-88 PHASING

Brandow & Johnston Assoc.
Structural Engineers
Mamoru E. Kanda

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EXP. 12-31-8
MAMORU E. KANDA

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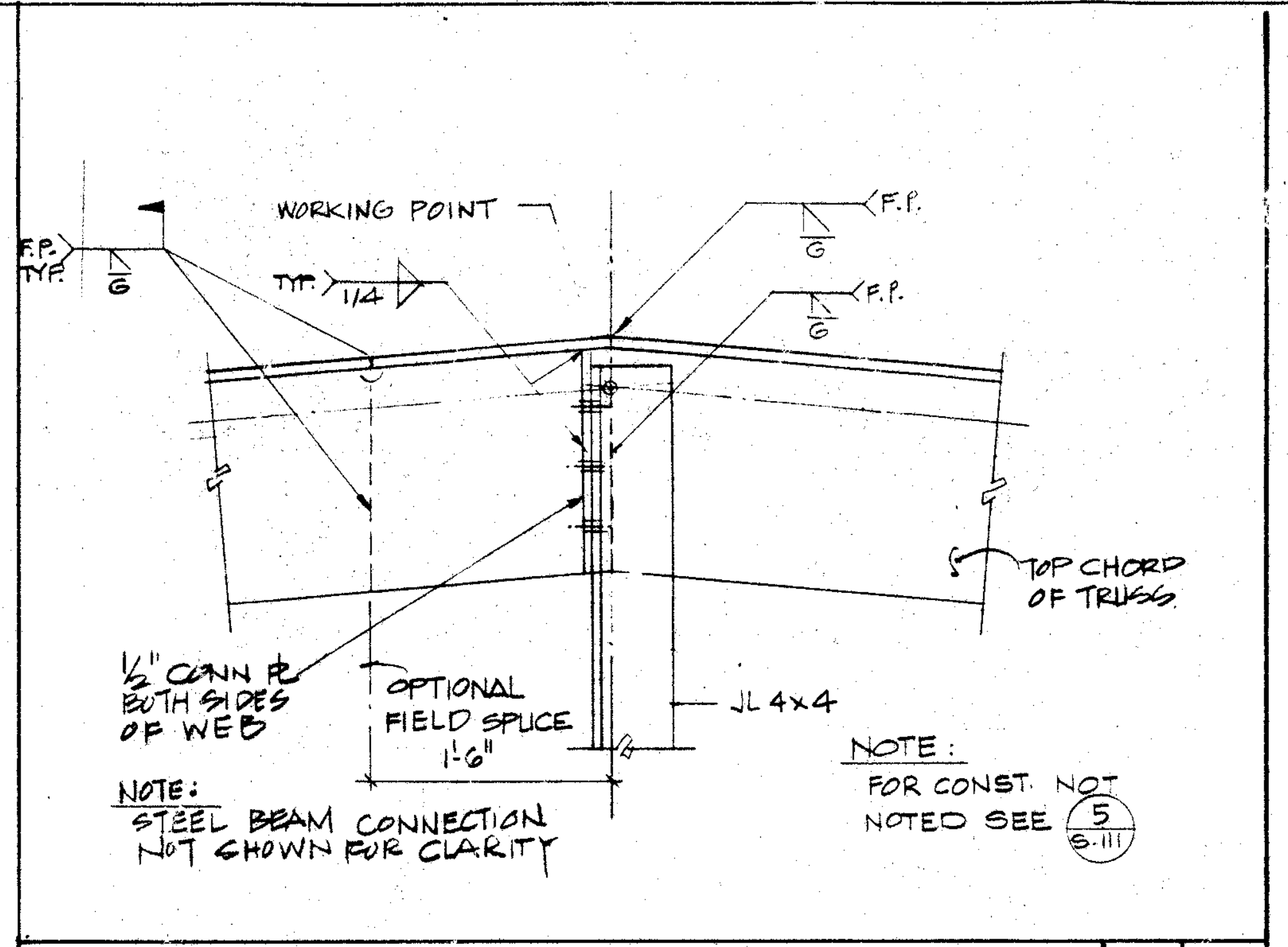
619/438-5899

ARCHITECT
C-6497

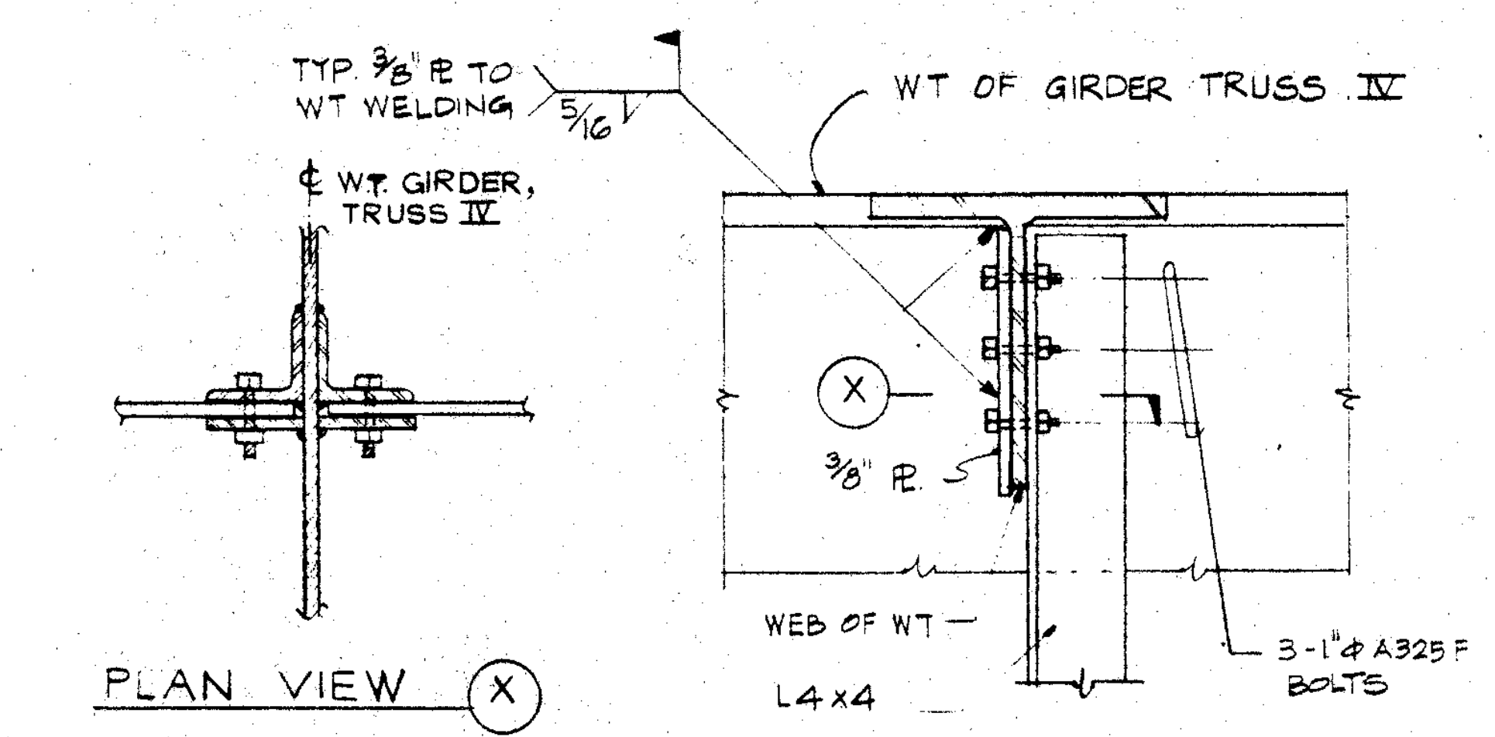
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

GYMNASIUM - BLDG. No. 1 - PART A
Roof Framing Plan

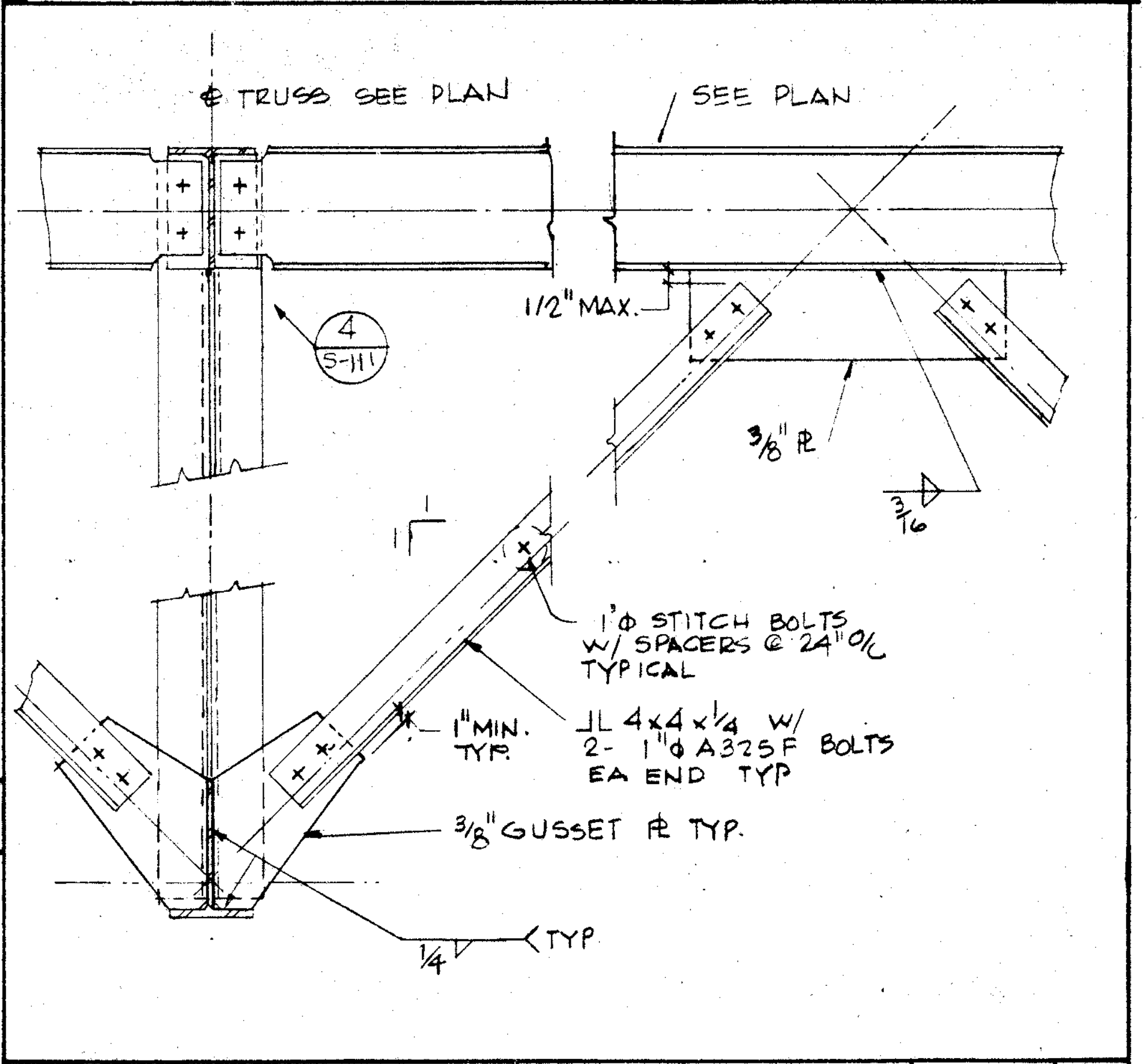
Sheet Number
S-103
Of Sheets


WORKING POINT
F.P. TYP.
TYP 1/4
F.P.
TOP CHORD OF TRUSS
1/2" CONN PL BOTH SIDES OF WEB
OPTIONAL FIELD SPLICE
1'-6"
JL 4x4
NOTE: STEEL BEAM CONNECTION NOT SHOWN FOR CLARITY
NOTE: FOR CONST NOT NOTED SEE 5/S-111

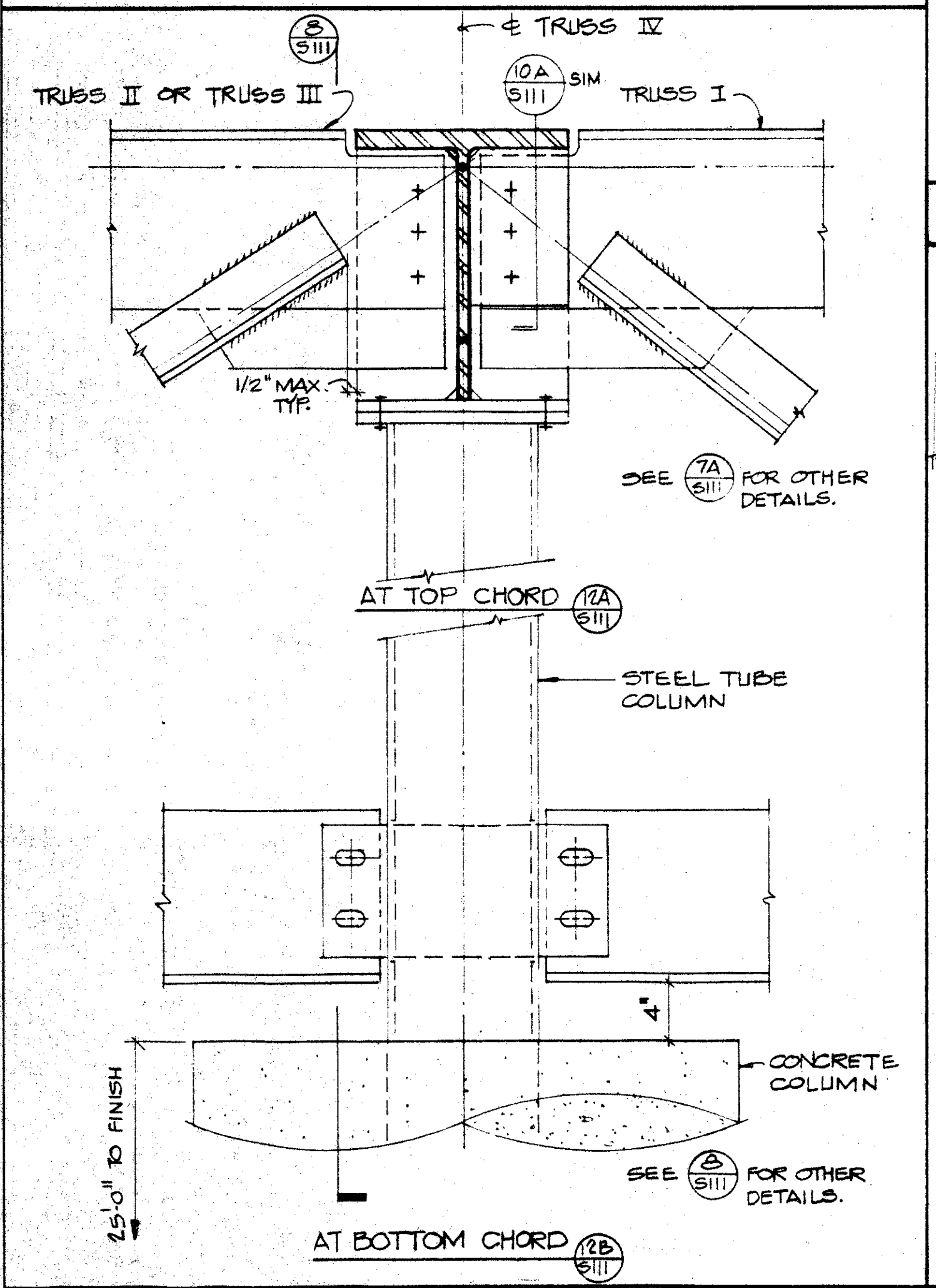
DETAIL 1 1/2" 11


TYP 3/8" PL TO WT WELDING 5/16
℄ WT GIRDER, TRUSS IV
WT OF GIRDER TRUSS IV
X
3/8" PL
WEB OF WT
L4x4
3-1"Φ A325F BOLTS
PLAN VIEW X

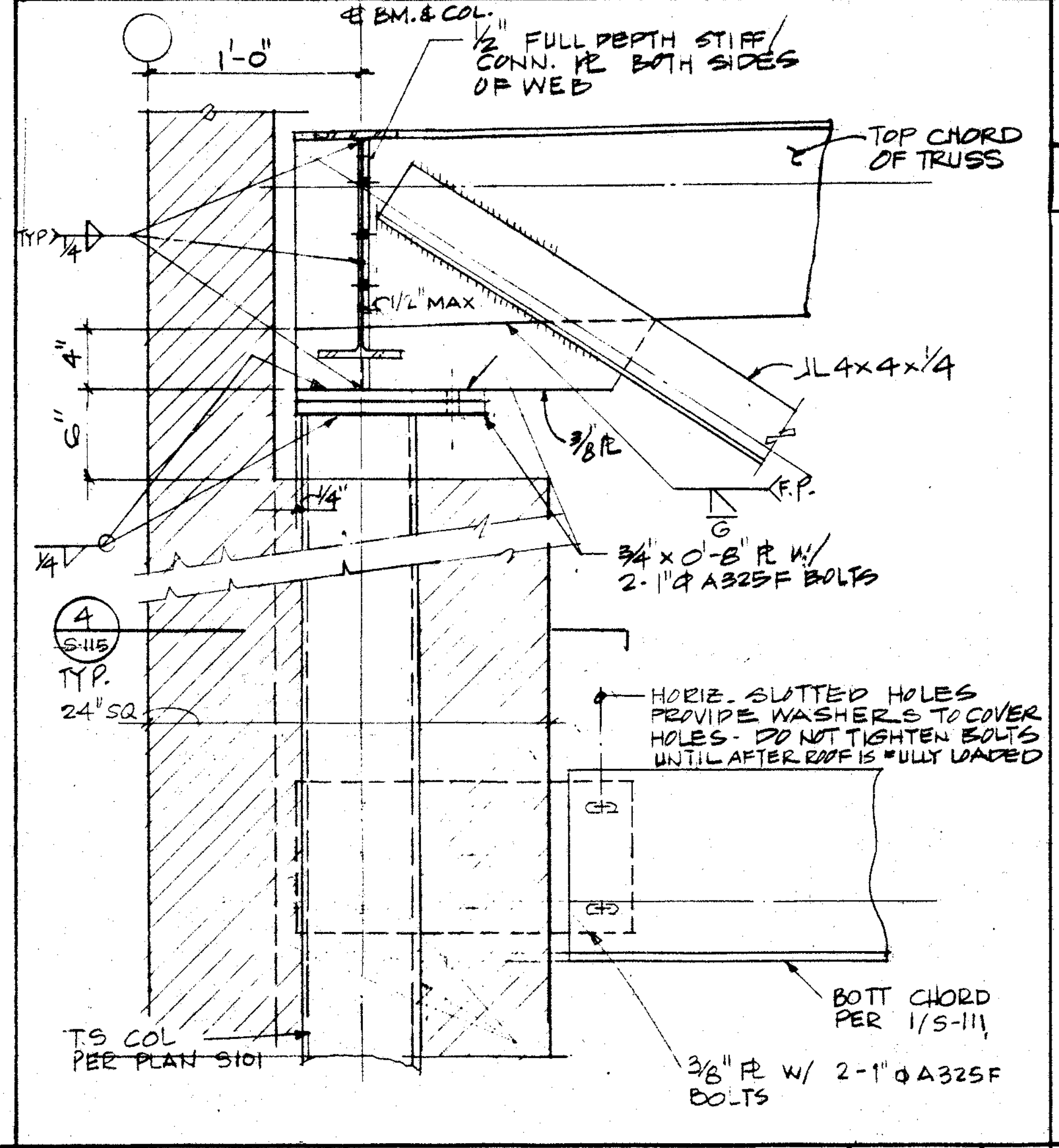
TYP TRUSS TO GIRDER TRUSS CONN. 1 1/2" 10A


℄ TRUSS SEE PLAN
SEE PLAN
4 S-111
1/2" MAX.
3/8" PL
3/16
1"
1"Φ STITCH BOLTS W/ SPACERS @ 24" O/C TYPICAL
1" MIN. TYP.
JL 4x4x1/4 W/ 2-1"Φ A325F BOLTS EA END TYP
3/8" GUSSET PL TYP.
1/4 TYP

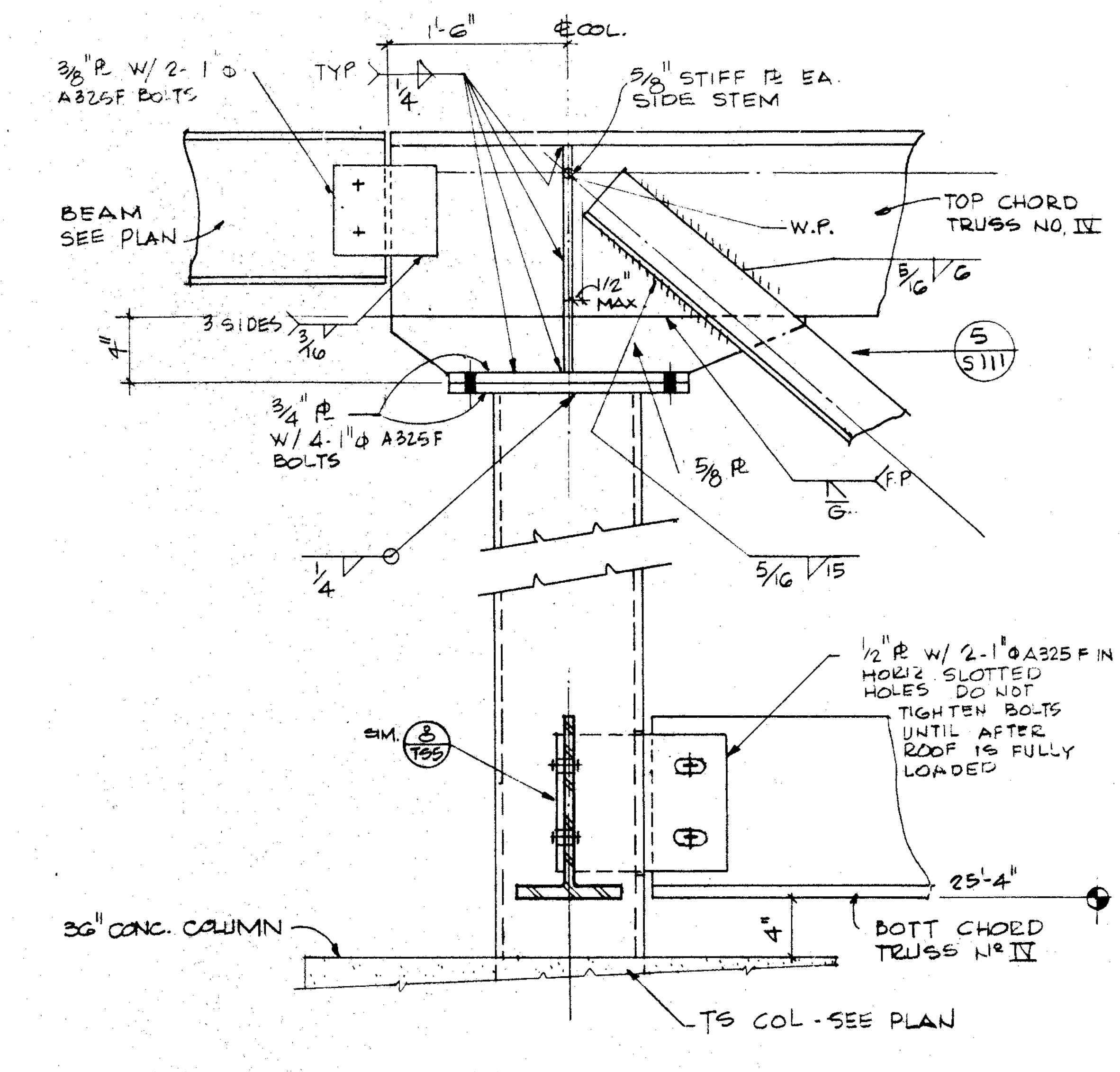
TRUSS BRACING DETAIL SCALE 1"=1'-0" 10


5 S111
℄ TRUSS IV
TRUSS II OR TRUSS III
10A S111 SIM
TRUSS I
1/2" MAX. TYP.
SEE 7A S111 FOR OTHER DETAILS.
AT TOP CHORD 12A S111
STEEL TUBE COLUMN
4"
CONCRETE COLUMN
25'-0" TO FINISH
SEE 7B S111 FOR OTHER DETAILS.
AT BOTTOM CHORD 12B S111

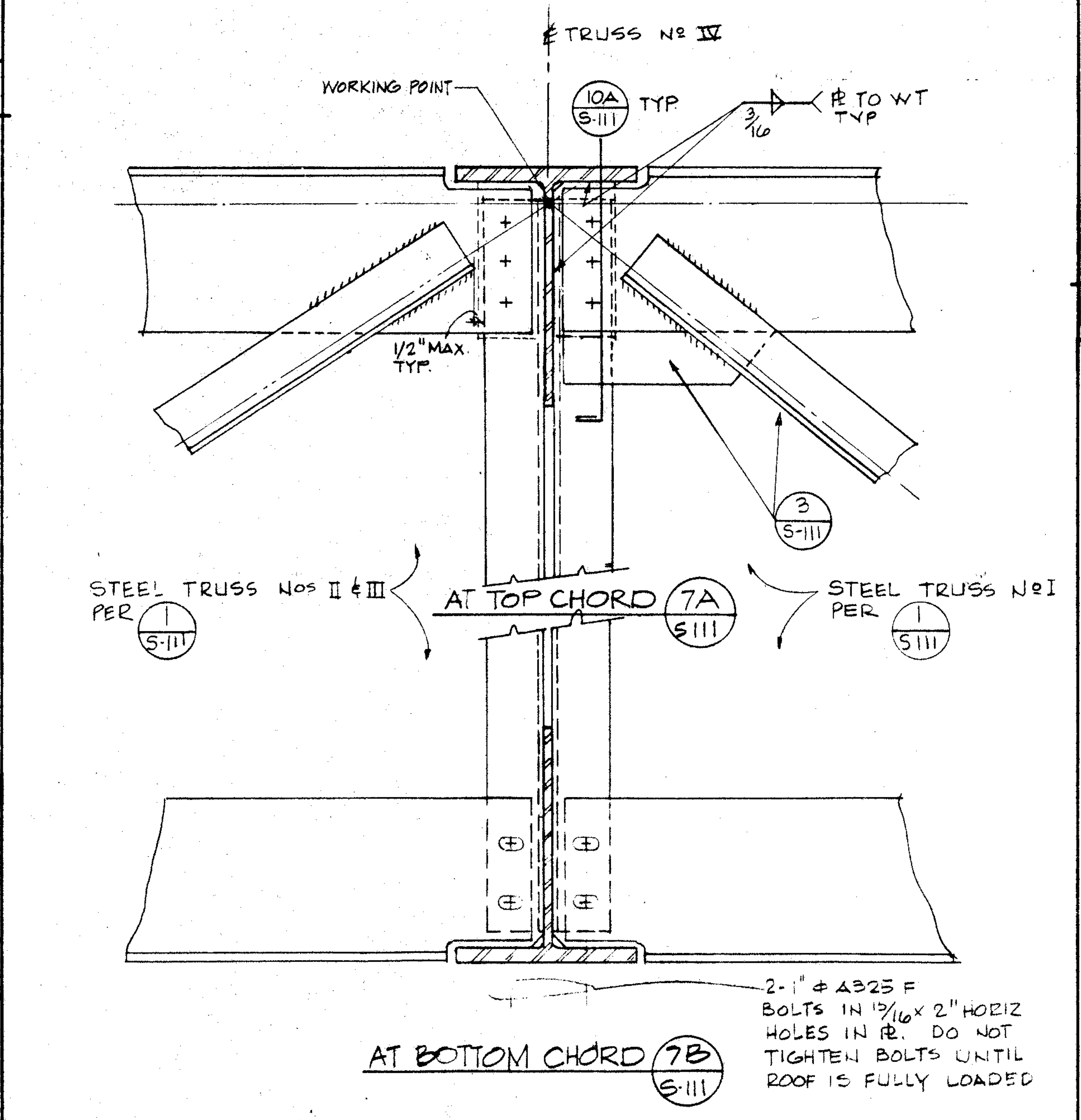
SCALE 1 1/2"=1'-0" 12


℄ BM. & COL.
1'-0"
1/2" FULL DEPTH STIFF/CONN. PL BOTH SIDES OF WEB
TOP CHORD OF TRUSS
TYP 1/4
1/2" MAX
JL 4x4x1/4
3/8 PL
F.P.
3/4 x 0'-8" PL W/ 2-1"Φ A325F BOLTS
4 S-116 TYP.
24" SQ.
HORIZ. SLOTTED HOLES PROVIDE WASHERS TO COVER HOLES - DO NOT TIGHTEN BOLTS UNTIL AFTER ROOF IS FULLY LOADED
BOTT CHORD PER 1/S-111
TS COL PER PLAN S101
3/8" PL W/ 2-1"Φ A325F BOLTS

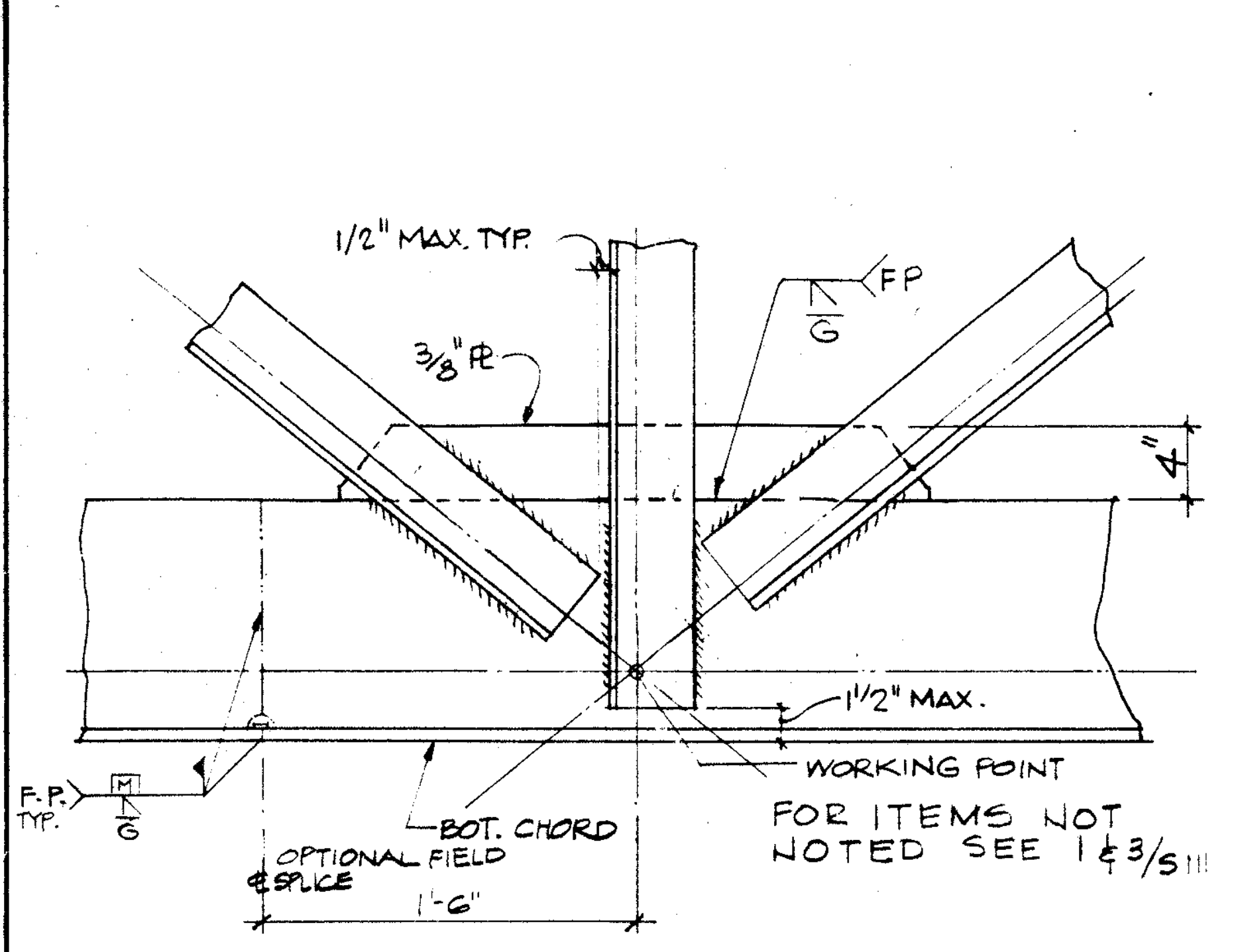
DETAIL SCALE 1 1/2"=1'-0" 9


3/8" PL W/ 2-1"Φ A325F BOLTS
TYP 1/4
1'-6"
℄ COL.
5/16" STIFF PL EA SIDE STEM
BEAM SEE PLAN
W.P.
TOP CHORD TRUSS NO. IV
1/2" MAX
3/16
5 S111
3 SIDES 3/16
3/4" PL W/ 4-1"Φ A325F BOLTS
5/8 PL
5/16 15
1/4
1/2" PL W/ 2-1"Φ A325F IN HORIZ SLOTTED HOLES DO NOT TIGHTEN BOLTS UNTIL AFTER ROOF IS FULLY LOADED
SIM. 8 T55
36" CONC. COLUMN
25'-4"
4"
BOTT CHORD TRUSS NO IV
TS COL - SEE PLAN

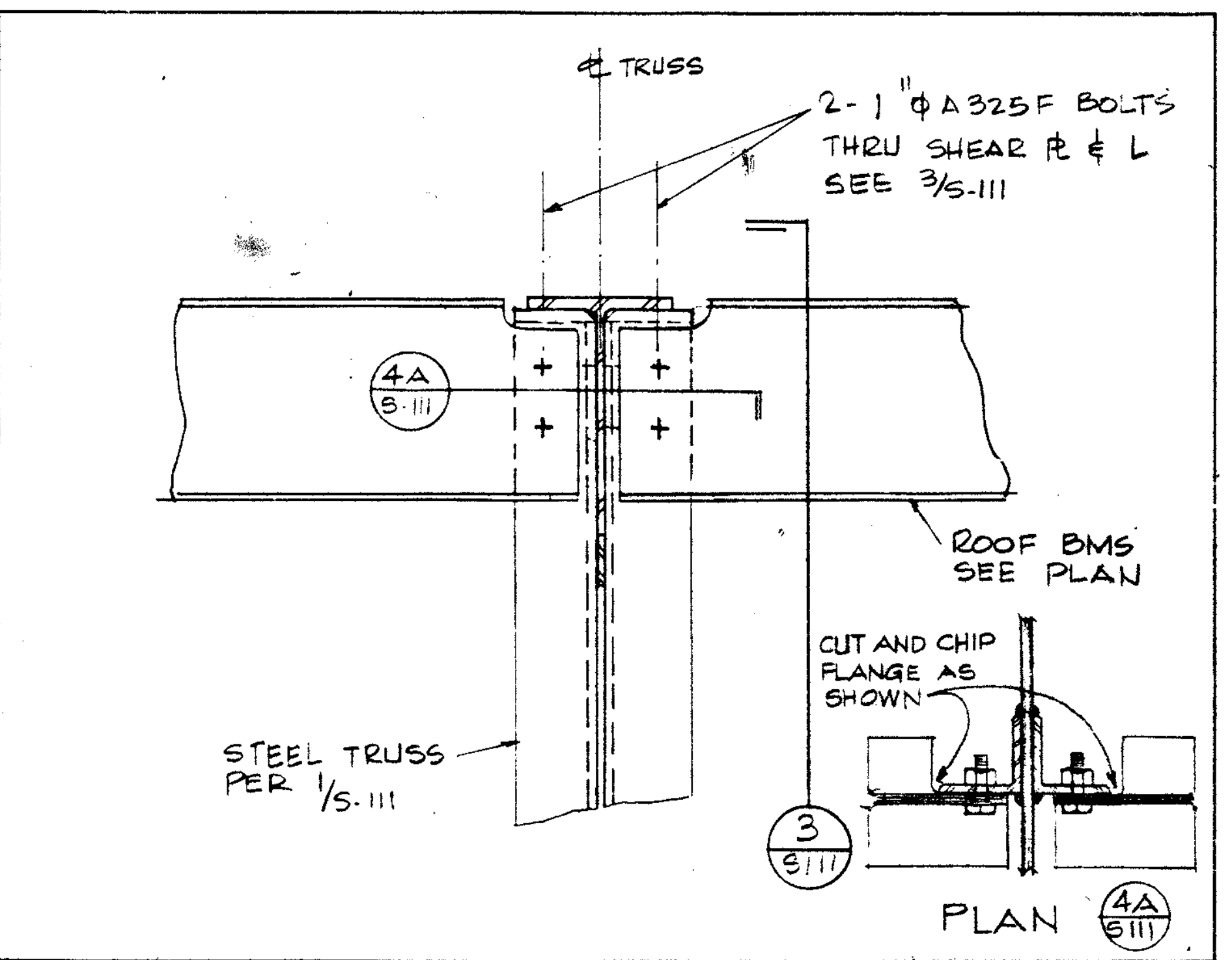
DETAIL SCALE 1 1/2"=1'-0" 8


℄ TRUSS NO IV
WORKING POINT
10A S-111 TYP
3/16 PL TO WT TYP
1/2" MAX TYP.
3 S-111
STEEL TRUSS NOS II & III PER 1 S-111
AT TOP CHORD 7A S111
STEEL TRUSS NO I PER 1 S111
2-1"Φ A325F BOLTS IN 13/16" x 2" HORIZ HOLES IN PL. DO NOT TIGHTEN BOLTS UNTIL ROOF IS FULLY LOADED
AT BOTTOM CHORD 7B S-111

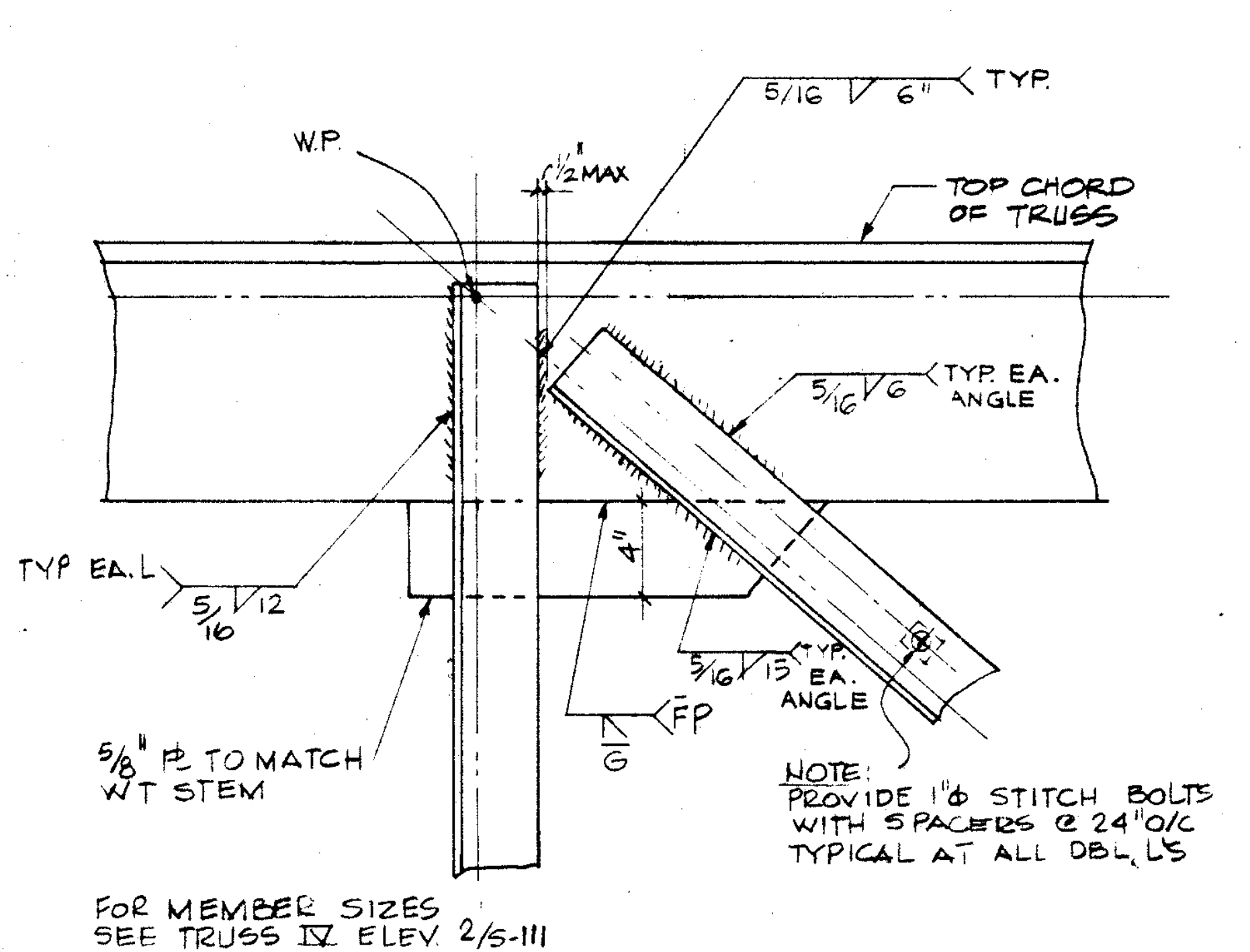
CONNECTION DETAIL SCALE 1 1/2"=1'-0" 7


1/2" MAX. TYP.
3/8" PL
FP
4"
1 1/2" MAX.
WORKING POINT
F.P. TYP.
BOT. CHORD
OPTIONAL FIELD ℄ SPLICE
1'-6"
FOR ITEMS NOT NOTED SEE 1 & 3/S111

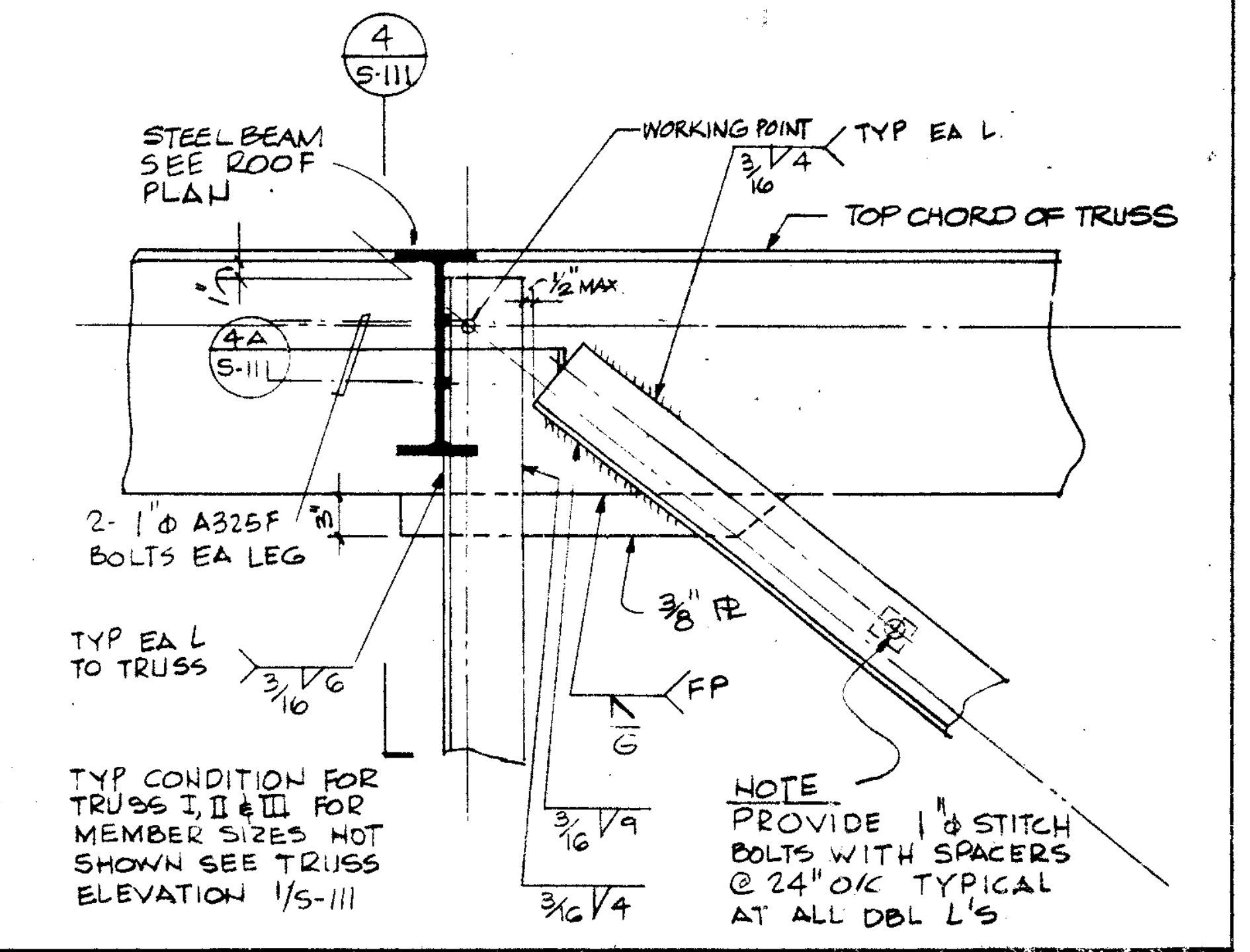
DETAIL SCALE 1 1/2"=1'-0" 6


℄ TRUSS
2-1"Φ A325F BOLTS THRU SHEAR PL & L SEE 3/S-111
4A S-111
ROOF BMS SEE PLAN
CUT AND CHIP FLANGE AS SHOWN
STEEL TRUSS PER 1/S-111
3 S111
PLAN 4A S-111

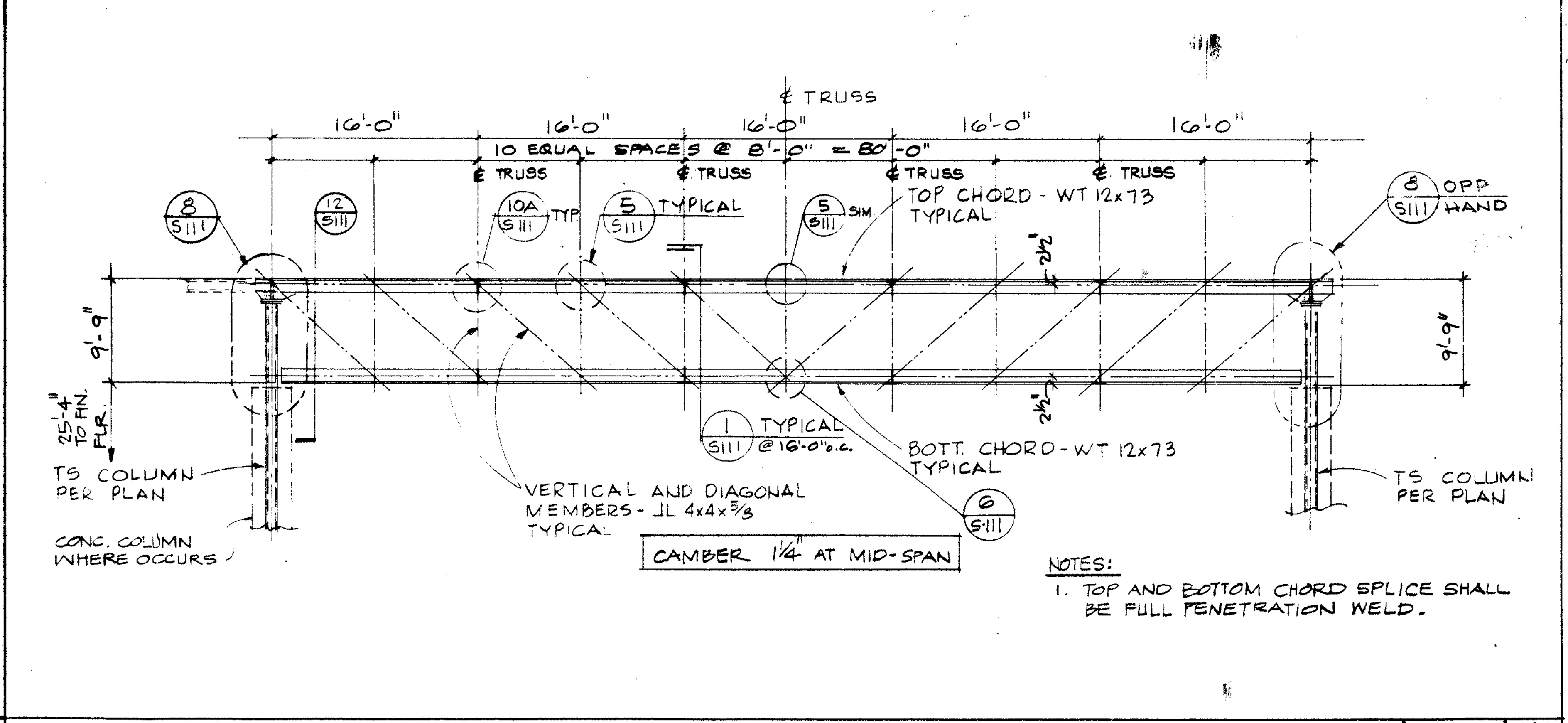
DETAIL SCALE 1 1/2"=1'-0" 4


W.P.
1/2 MAX
5/16 6" TYP.
TOP CHORD OF TRUSS
5/16 6 TYP. EA. ANGLE
4"
TYP EA L 5/16 12
5/8" PL TO MATCH WT STEM
5/16 15 EA. ANGLE
FP
NOTE: PROVIDE 1"Φ STITCH BOLTS WITH SPACERS @ 24" O/C TYPICAL AT ALL DBL L'S
FOR MEMBER SIZES SEE TRUSS IV ELEV 2/S-111

DETAIL SCALE 1 1/2"=1'-0" 5

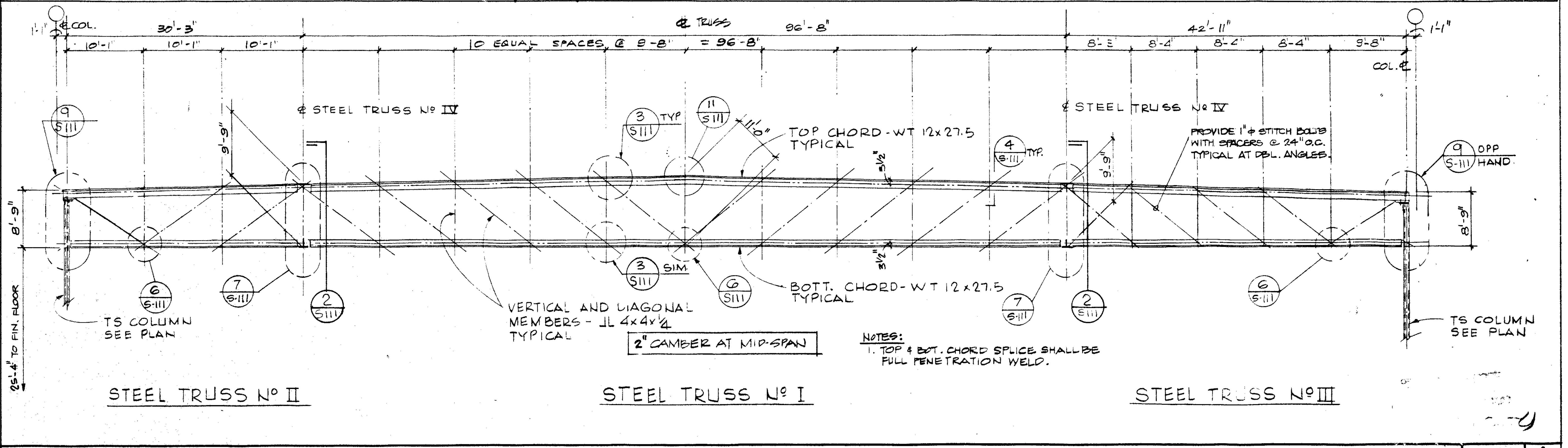

4 S-111
STEEL BEAM SEE ROOF PLAN
WORKING POINT TYP EA L
3/16 4
TOP CHORD OF TRUSS
1/2" MAX
4A S-111
2-1"Φ A325F BOLTS EA LEG
3/8" PL
TYP EA L TO TRUSS 3/16 6
FP
TYP CONDITION FOR TRUSS I, II & III FOR MEMBER SIZES NOT SHOWN SEE TRUSS ELEVATION 1/S-111
3/16 9
3/16 4
NOTE PROVIDE 1"Φ STITCH BOLTS WITH SPACERS @ 24" O/C TYPICAL AT ALL DBL L'S

DETAIL SCALE 1 1/2"=1'-0" 3


℄ TRUSS
16'-0" 16'-0" 16'-0" 16'-0" 16'-0"
10 EQUAL SPACES @ 8'-0" = 80'-0"
℄ TRUSS ℄ TRUSS ℄ TRUSS ℄ TRUSS
8 S111
12 S111
10A S111 TYP
5 S111 TYPICAL
5 S111 SIM
TOP CHORD - WT 12x73 TYPICAL
8 S111 OPP HAND
9'-9"
25'-4" TO FIN. FLR.
1 S111 TYPICAL @ 16'-0" o.c.
BOTT. CHORD - WT 12x73 TYPICAL
TS COLUMN PER PLAN
CONC. COLUMN WHERE OCCURS
VERTICAL AND DIAGONAL MEMBERS - JL 4x4x3/8 TYPICAL
6 S111
CAMBER 1/4 AT MID-SPAN

NOTES:
1. TOP AND BOTTOM CHORD SPLICE SHALL BE FULL PENETRATION WELD.

ELEVATION- STEEL TRUSS NO IV SCALE 1/8"=1'-0" 2


1'-1" ℄ COL.
30'-3"
℄ TRUSS
96'-8"
42'-11"
1'-1"
10'-1" 10'-1" 10'-1"
10 EQUAL SPACES @ 9'-8" = 96'-8"
8'-3" 8'-4" 8'-4" 8'-4" 9'-8"
COL. ℄
9 S111
℄ STEEL TRUSS NO IV
3 S111 TYP
11 S111
TOP CHORD - WT 12x27.5 TYPICAL
4 S-111 TYP.
℄ STEEL TRUSS NO IV
PROVIDE 1"Φ STITCH BOLTS WITH SPACERS @ 24" O.C. TYPICAL AT DBL. ANGLES.
9 S-111 OPP HAND
9'-9"
8'-9"
25'-4" TO FIN. FLOOR
6 S-111
7 S-111
2 S111
3 S111 SIM
6 S111
BOTT. CHORD - WT 12x27.5 TYPICAL
TS COLUMN SEE PLAN
VERTICAL AND DIAGONAL MEMBERS - JL 4x4x1/4 TYPICAL
2" CAMBER AT MID-SPAN
STEEL TRUSS NO II
STEEL TRUSS NO I
STEEL TRUSS NO III

NOTES:
1. TOP & BOT. CHORD SPLICE SHALL BE FULL PENETRATION WELD.

TYP. ELEVATION - STEEL TRUSS NO. I, II & III SCALE 1/8"=1'-0" 1

Drawn By	MN
Checked By	SRU
Date	MAR 1988
Commission No	1.30.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers

No. 985
EXP. 12-31-88

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C-6497

West Hills High School
Grossmont Union High School District
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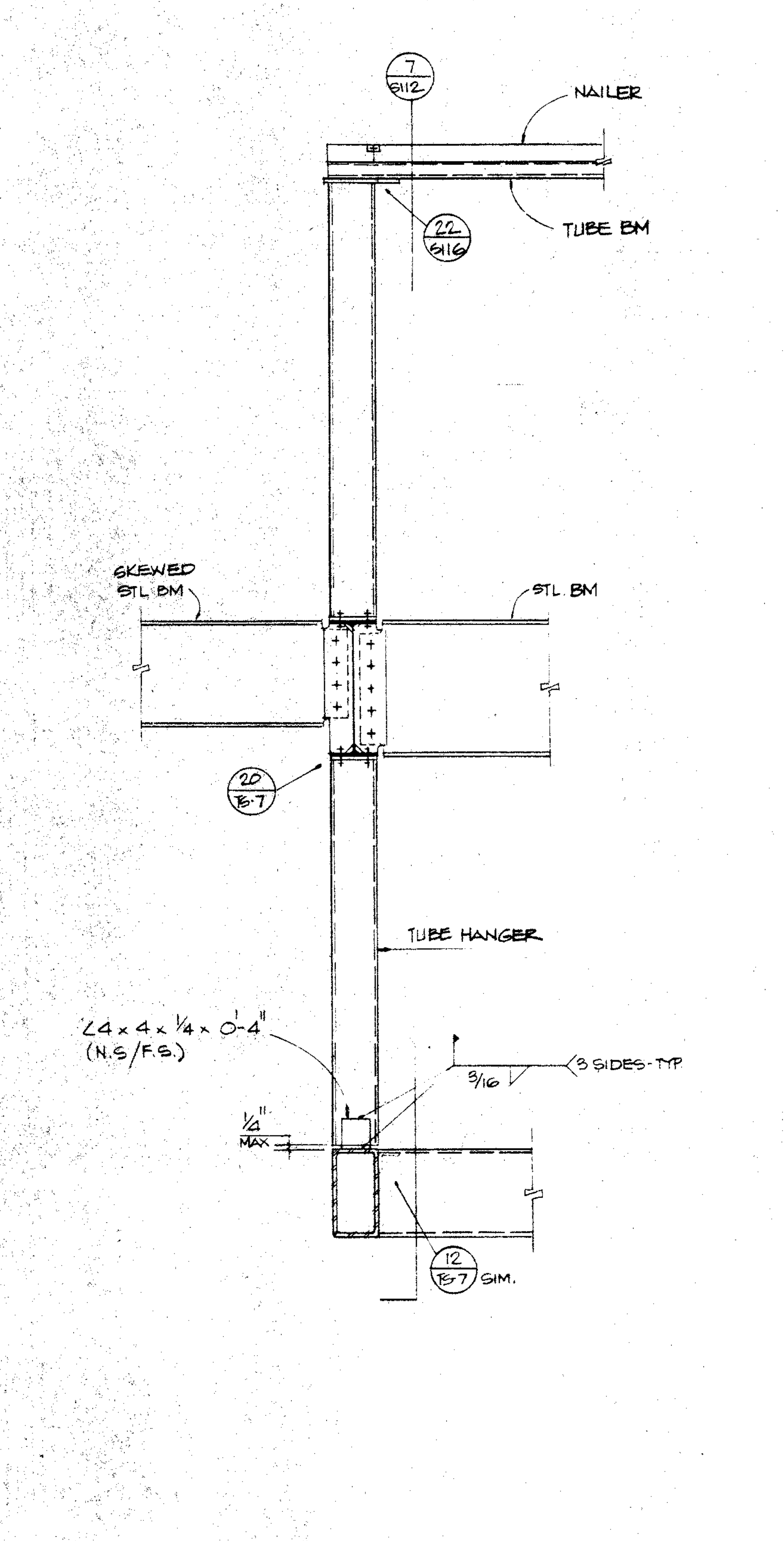
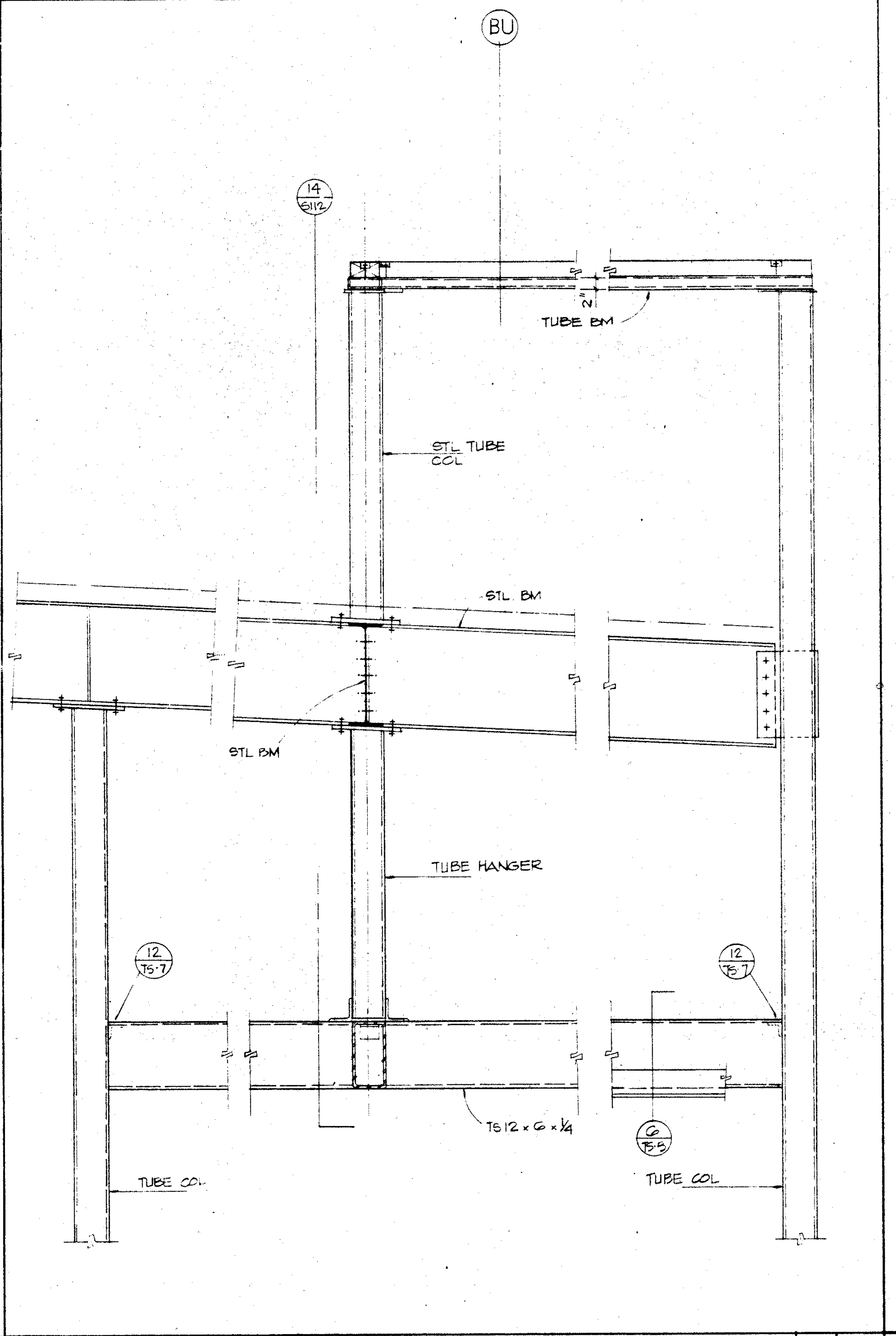
GYMNASIUM - BLDG. No. 1 - PART A
Roof Truss-Elevations and Details

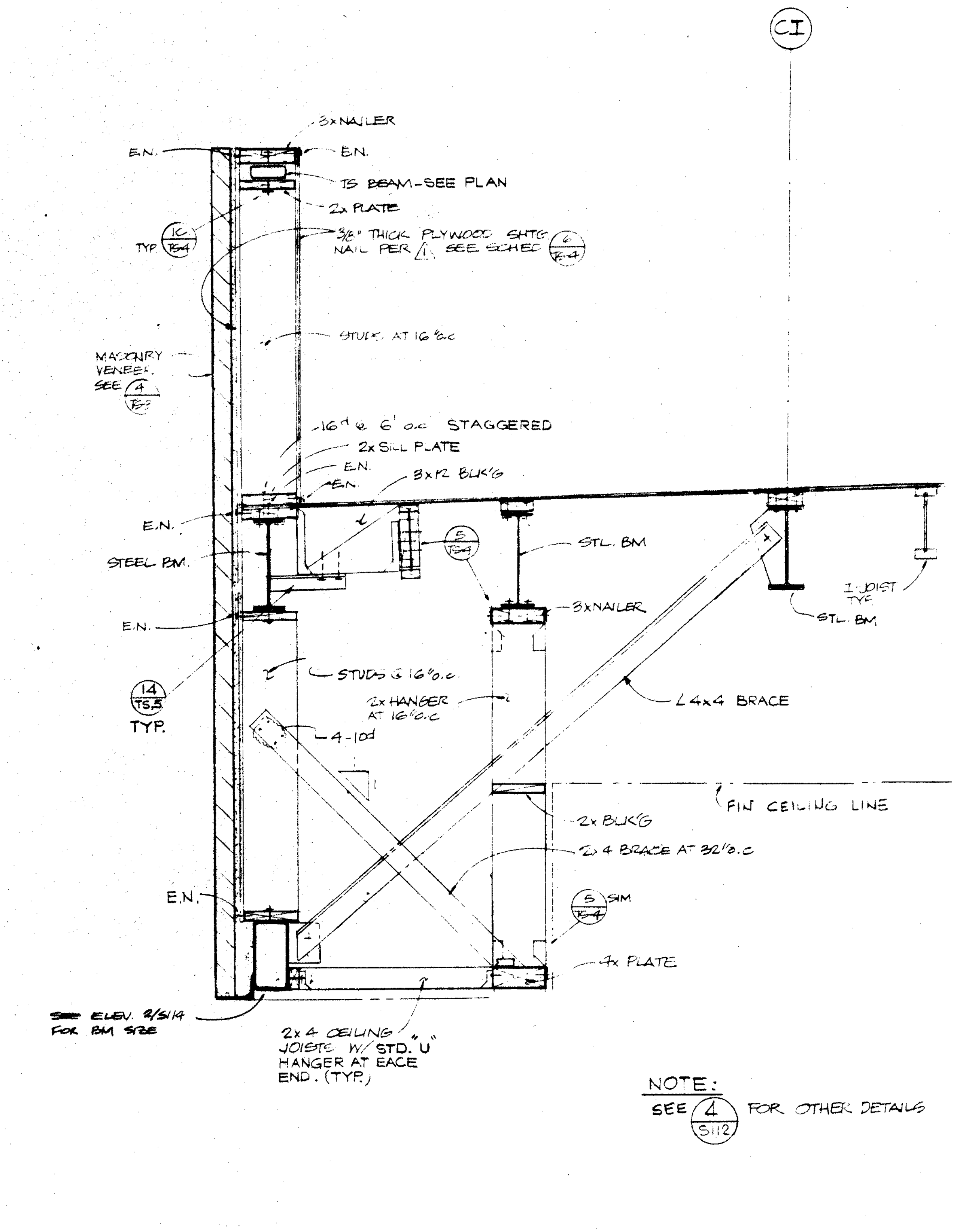
Sheet Number
S111
Of Sheets


7/S112
NAILER
TUBE BM
22/S116
SKEWED STL BM
STL. BM
20/TS-7
TUBE HANGER
∠4 x 4 x 1/4 x 0'-4" (N.S/F.S.)
3/16
3 SIDES-TYP.
1/4" MAX
12/TS-7 SIM.

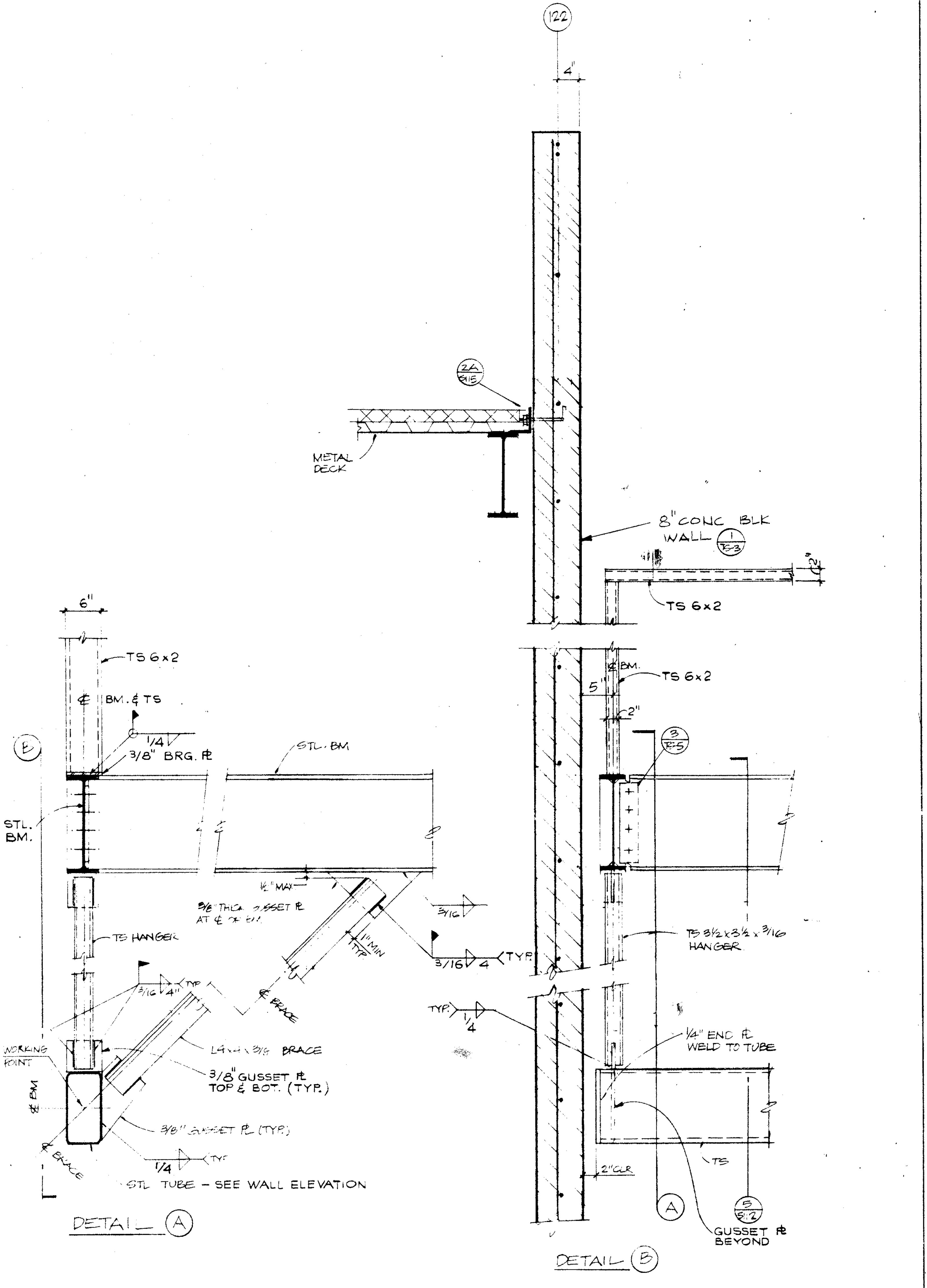
DETAIL 3/4" 14


BU
14/S112
2"
TUBE BM
STL TUBE COL
STL. BM
STL BM
TUBE HANGER
12/TS-7
12/TS-7
TS 12 x 6 x 1/4
6/TS-5
TUBE COL
TUBE COL

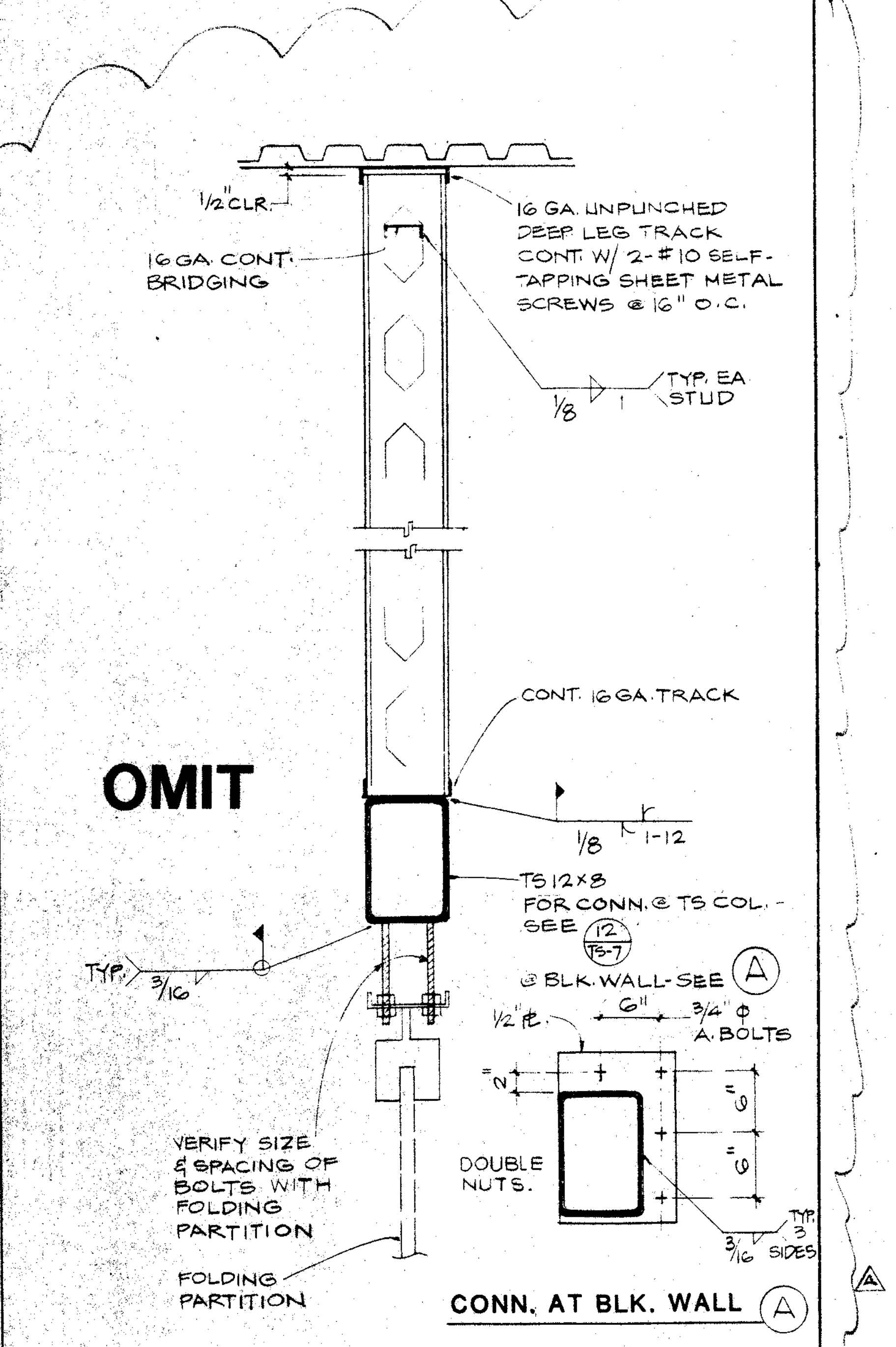
DETAIL 3/4" 7


CI
3x NAILER
E.N.
E.N.
TS BEAM-SEE PLAN
2x PLATE
TYP 1C/TS-4
3/8" THICK PLYWOOD SHTG NAIL PER 1 SEE SCHED 6/TS-4
STUDS AT 16"o.c
MASONRY VENEER SEE 4/TS-3
16d @ 6' o.c STAGGERED
2x SILL PLATE
E.N.
E.N.
3x12 BLK'G
E.N.
STEEL BM.
5/TS-4
STL. BM
I-JOIST TYP
STL. BM
E.N.
3x NAILER
STUDS @ 16"o.c
2x HANGER AT 16"o.c
4-10d
L4x4 BRACE
14/TS.5 TYP.
FIN CEILING LINE
2x BLK'G
2x4 BRACE AT 32"o.c
E.N.
5/TS-4 SIM
4x PLATE
SEE ELEV. 2/S14 FOR BM SIZE
2x4 CEILING JOISTS W/ STD. "U" HANGER AT EACE END. (TYP.)
NOTE: SEE 4/S112 FOR OTHER DETAILS

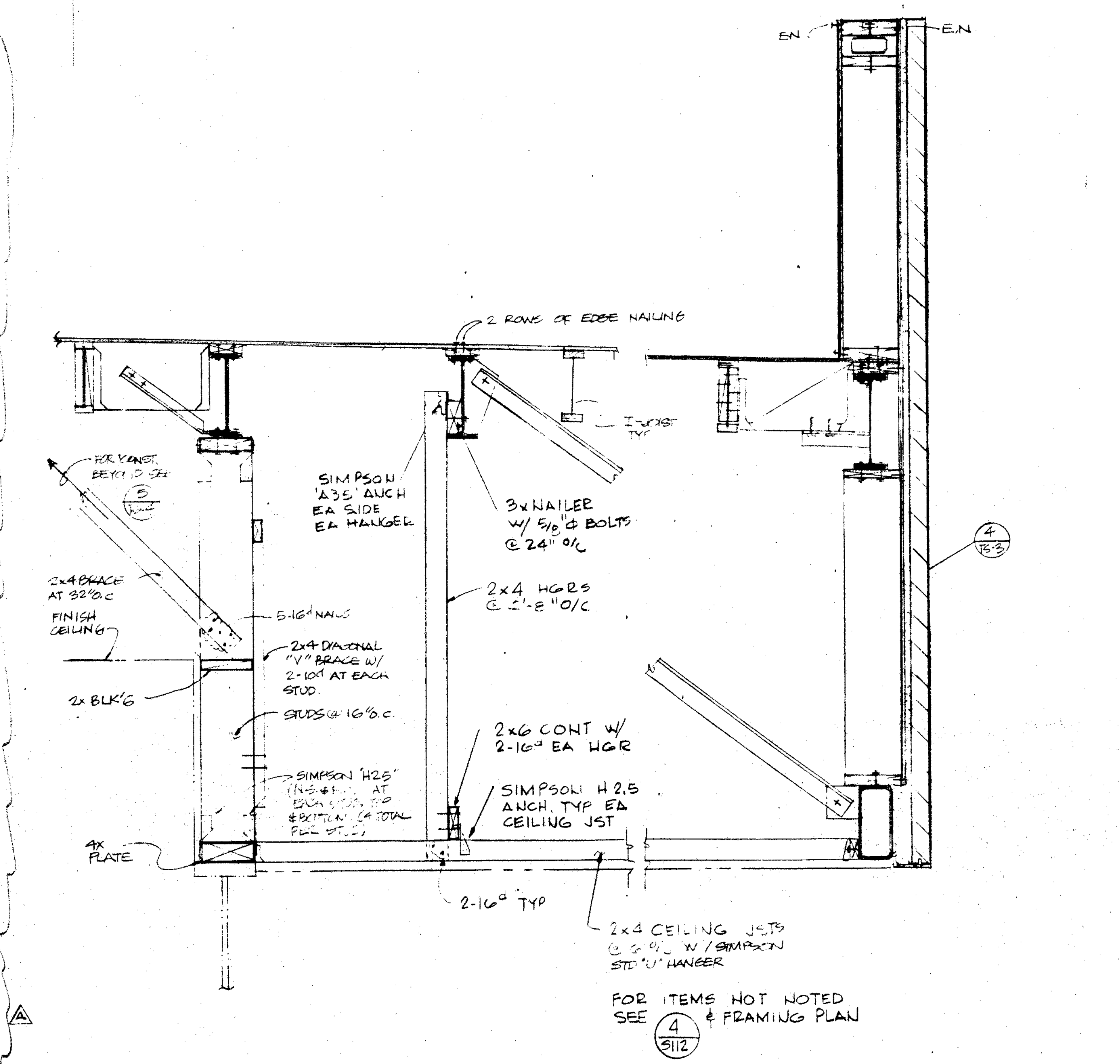
SOFFIT DETAIL SCALE 3/4"=1'-0" 5


122
4"
2A/S115
METAL DECK
8" CONC BLK WALL 1/TS-3
2"
TS 6x2
6"
TS 6x2
℄ BM. & TS
1/4
3/8" BRG. PL
E
STL. BM
STL. BM.
1/2" MAX
3/8" THICK GUSSET PL AT ℄ OF BM
3/16
1" MIN TYP
TS HANGER
3/16 4 TYP.
3/16 4" TYP
℄ BRACE
WORKING POINT
L4x4x3/8 BRACE
3/8" GUSSET PL TOP & BOT. (TYP.)
℄ BM
3/8" GUSSET PL (TYP.)
℄ BRACE
1/4 TYP
STL TUBE - SEE WALL ELEVATION
DETAIL A
℄ BM.
TS 6x2
5"
2"
3/TS-5
TS 3 1/2 x 3 1/2 x 3/16 HANGER
TYP. 1/4
1/4" END PL WELD TO TUBE
2" CLR
TS
A
5/S-2
GUSSET PL BEYOND
DETAIL B

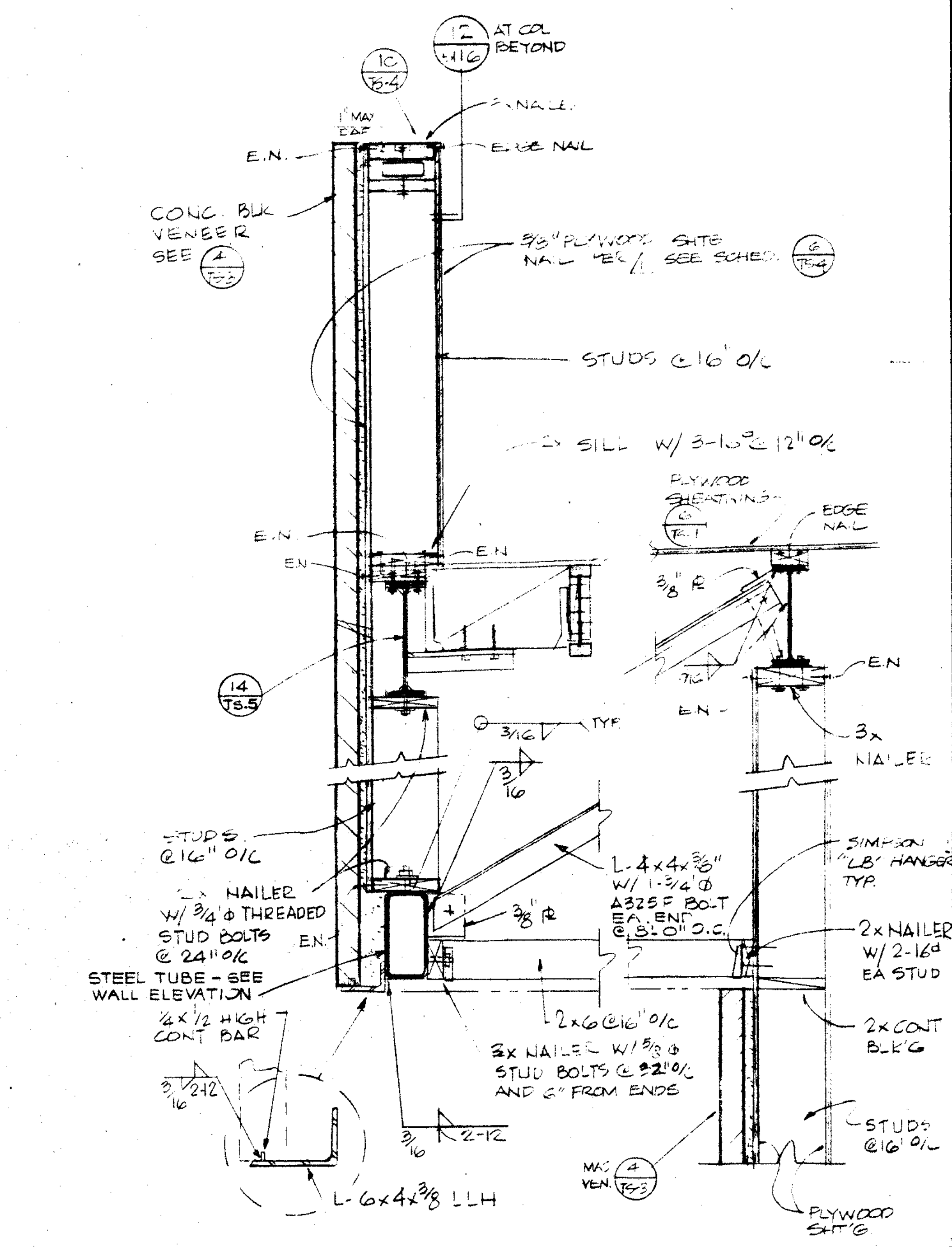
BEAM HANGER DETAIL SCALE 1"=1'-0" 2


1/2" CLR.
16 GA. CONT. BRIDGING
16 GA. UNPUNCHED DEEP LEG TRACK CONT. W/ 2-#10 SELF-TAPPING SHEET METAL SCREWS @ 16" O.C.
1/8 TYP. EA STUD
CONT. 16 GA. TRACK
OMIT
1/8 1-12
TS 12x8 FOR CONN. @ TS COL. - SEE 12/TS-7
@ BLK. WALL - SEE A
TYP. 3/16
1/2" PL
6"
3/4" ϕ A. BOLTS
2"
6"
6"
DOUBLE NUTS.
VERIFY SIZE & SPACING OF BOLTS WITH FOLDING PARTITION
3/16 TYP. 3 SIDES
FOLDING PARTITION
CONN. AT BLK. WALL A

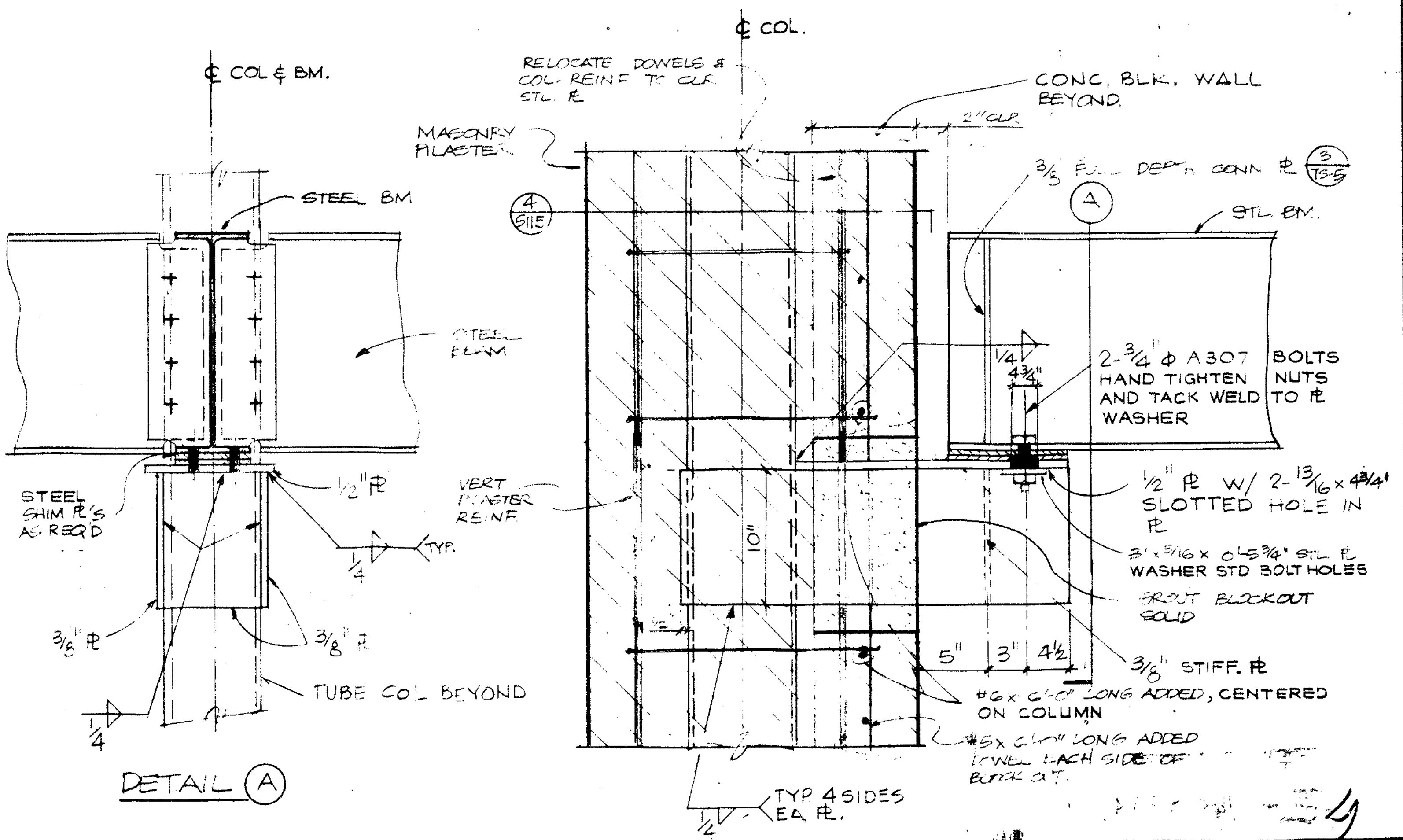
FOLDING PARTITION SUPPORT DETAIL 1" 13


EN
E.N
2 ROWS OF EDGE NAILING
I-JOIST TYP
FOR KONST. BEYOND SEE 5/TS-4
SIMPSON 'A35' ANCH EA SIDE EA HANGER
3x NAILER W/ 5/8" ϕ BOLTS @ 24" o/c
4/TS-3
2x4 BRACE AT 32"o.c
2x4 HGRS @ 2'-8" o/c
5-16d NAILS
FINISH CEILING
2x4 DIAGONAL "V" BRACE W/ 2-10d AT EACH STUD.
2x BLK'G
STUDS @ 16"o.c.
2x6 CONT W/ 2-16d EA HGR
SIMPSON "H25" INSIDE AT EACH STUD TOP & BOTTOM (4 TOTAL PER STUD)
SIMPSON H2.5 ANCH. TYP EA CEILING JST
4x PLATE
2-16d TYP
2x4 CEILING JSTS @ 2'-0" o/c W/ SIMPSON STD "U" HANGER
FOR ITEMS NOT NOTED SEE 4/S112 & FRAMING PLAN

SOFFIT DETAIL SCALE 3/4"=1'-0" 6


1C/TS-4
12/S116 AT COL BEYOND
1" MAX GAP
3x NAILER
EDGE NAIL
E.N.
CONC. BLK VENEER SEE 4/TS-3
3/8" PLYWOOD SHTG NAIL PER 1 SEE SCHED. 6/TS-4
STUDS @ 16" o/c
2x SILL W/ 3-16d @ 12" o/c
PLYWOOD SHEATHING 6/TS-4
EDGE NAIL
E.N.
E.N.
E.N
3/8" PL
E.N
14/TS.5
3/16 TYP
E.N.
3x NAILER
3/16
STUDS @ 16" o/c
2x NAILER W/ 3/4" ϕ THREADED STUD BOLTS @ 24" o/c
L-4x4x3/8" W/ 1-3/4" ϕ A325F BOLT EA. END @ 8'-0" O.C.
SIMPSON "LB" HANGER TYP.
3/8" PL
E.N.
2x NAILER W/ 2-16d EA STUD
STEEL TUBE - SEE WALL ELEVATION
1/4 x 1/2 HIGH CONT BAR
2x6 @ 16" o/c
2x CONT BLK'G
3/16 2-12
3x NAILER W/ 5/8" ϕ STUD BOLTS @ 32" o/c AND 6" FROM ENDS
3/16 2-12
STUDS @ 16' o/c
MAS. VEN. 4/TS-3
L-6x4x3/8 LLH
PLYWOOD SHT'G

SOFFIT DETAIL SCALE 3/4"=1'-0" 4


℄ COL & BM.
STEEL BM
STEEL BEAM
STEEL SHIM PL'S AS REQ'D
1/2" PL
1/4 TYP.
3/8" PL
3/8" PL
TUBE COL BEYOND
1/4
DETAIL A
℄ COL.
RELOCATE DOWELS & COL. REINF. TO CLR. STL. PL
MASONRY PILASTER
CONC. BLK. WALL BEYOND.
2" CLR.
4/S115
3/8" FULL DEPTH CONN PL 3/TS-5
A
STL. BM.
1/4
4 3/4"
2-3/4" ϕ A307 BOLTS HAND TIGHTEN NUTS AND TACK WELD TO PL WASHER
VERT PILASTER REINF.
10"
1/2" PL W/ 2-13/16 x 4 3/4" SLOTTED HOLE IN PL
3" x 5/16 x 0'-5 3/4" STL. PL WASHER STD BOLT HOLES
GROUT BLOCKOUT SOLID
5"
3"
4 1/2
3/8" STIFF. PL
#6 x 6'-0" LONG ADDED, CENTERED ON COLUMN
#5 x 6'-0" LONG ADDED DOWEL EACH SIDE OF BLOCK OUT
TYP 4 SIDES EA PL.
1/4

CONNECTION DETAIL SCALE 1 1/2"=1'-0" 1

Drawn By MN
Checked By SRU
Date MAR 1988
Commission No 1:30.02

Revisions
Δ 6-29-88 PHASING

Brandow & Johnston Assoc.
Structural Engineers

No. 956
EXP. 12-31-88

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ARCHITECT
C-6497

West Hills High School
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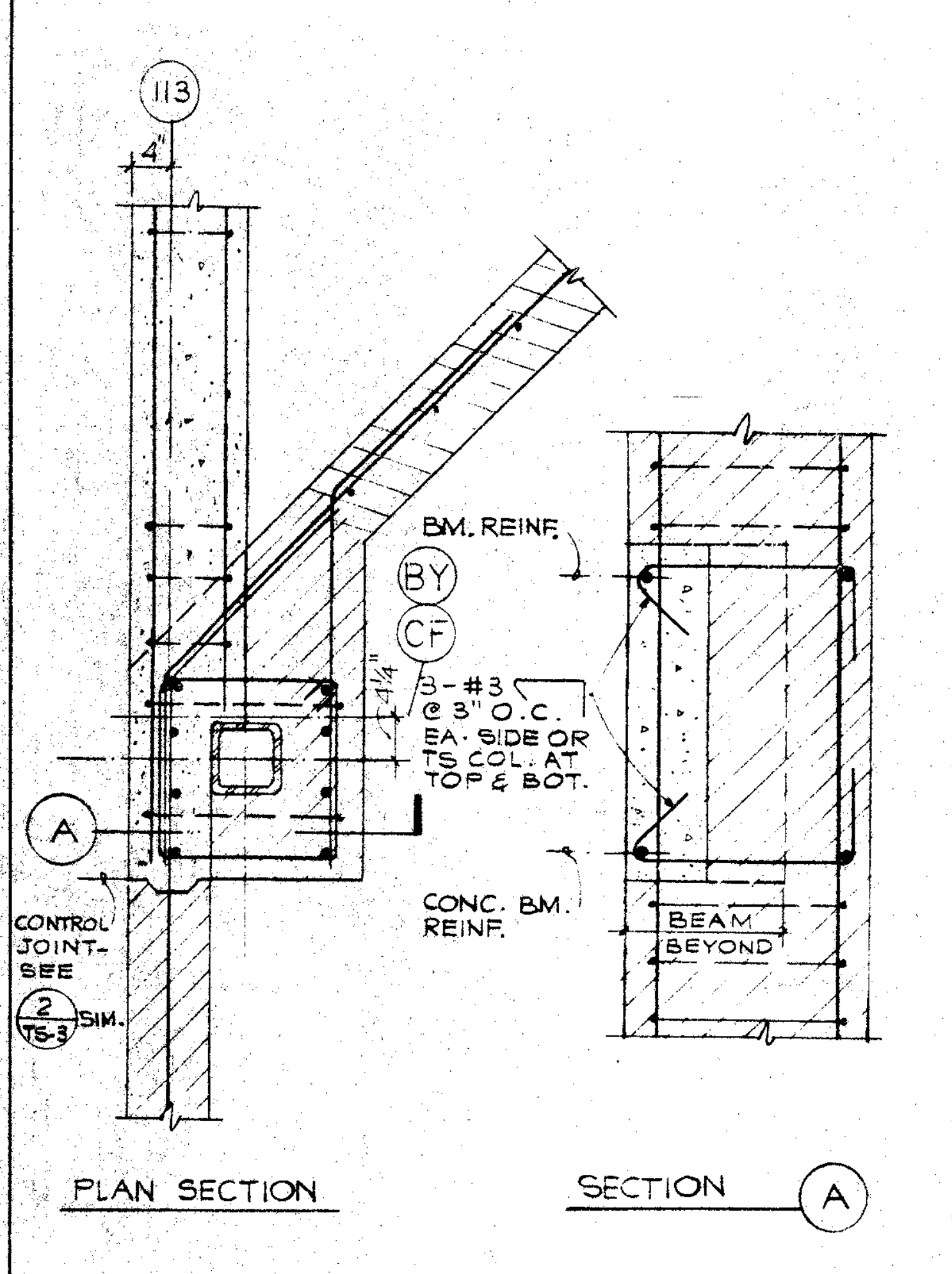
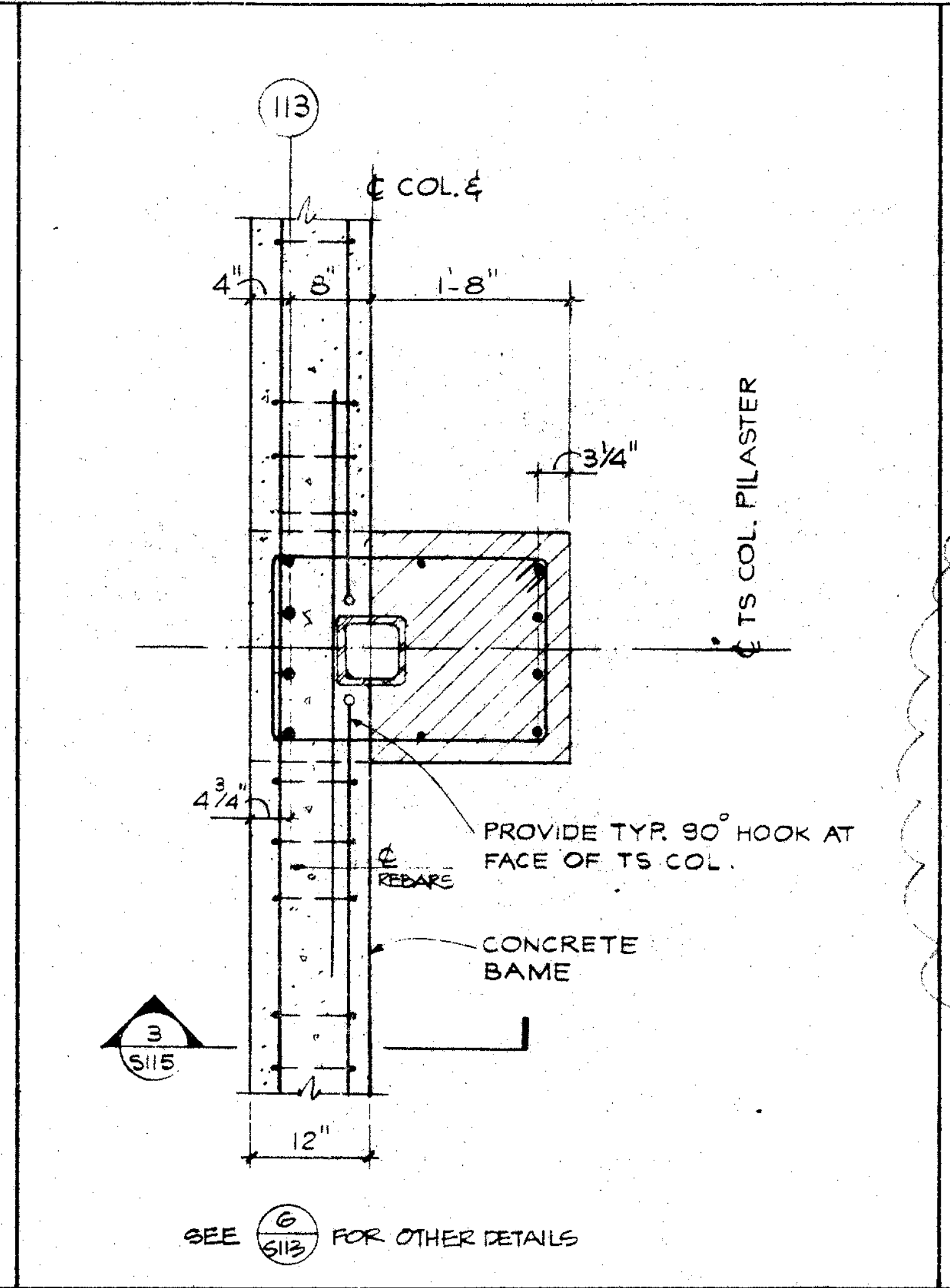
GYMNASIUM - BLDG. No. 1 - PART A
Sections and Details

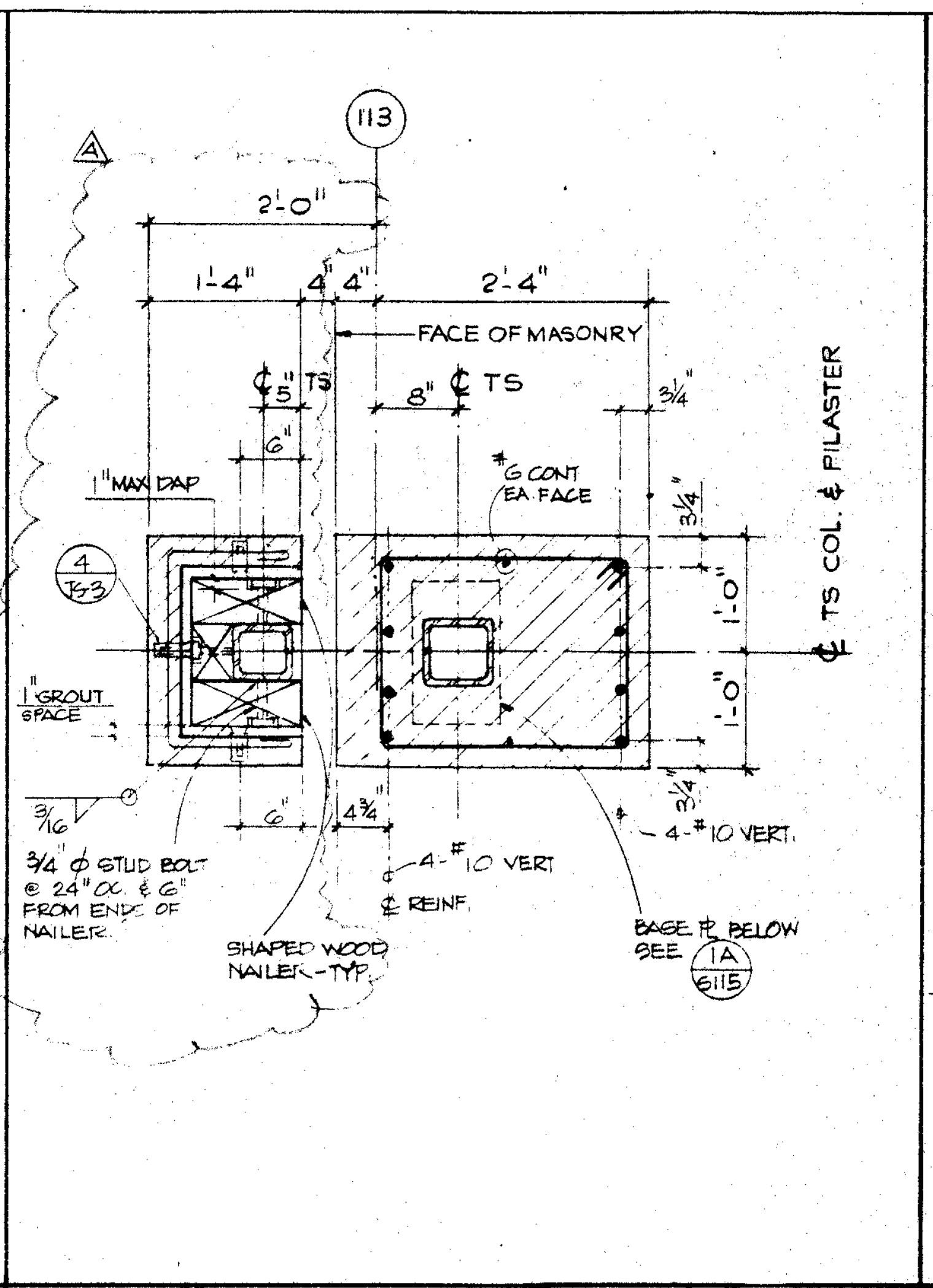
Sheet Number
S112
Of Sheets


113
4"
BM. REINF.
BY
CF
3-#3 @ 3" O.C. EA. SIDE OR TS COL. AT TOP & BOT.
A
CONTROL JOINT-SEE 2 TS-3 SIM.
CONC. BM. REINF.
BEAM BEYOND
PLAN SECTION
SECTION A

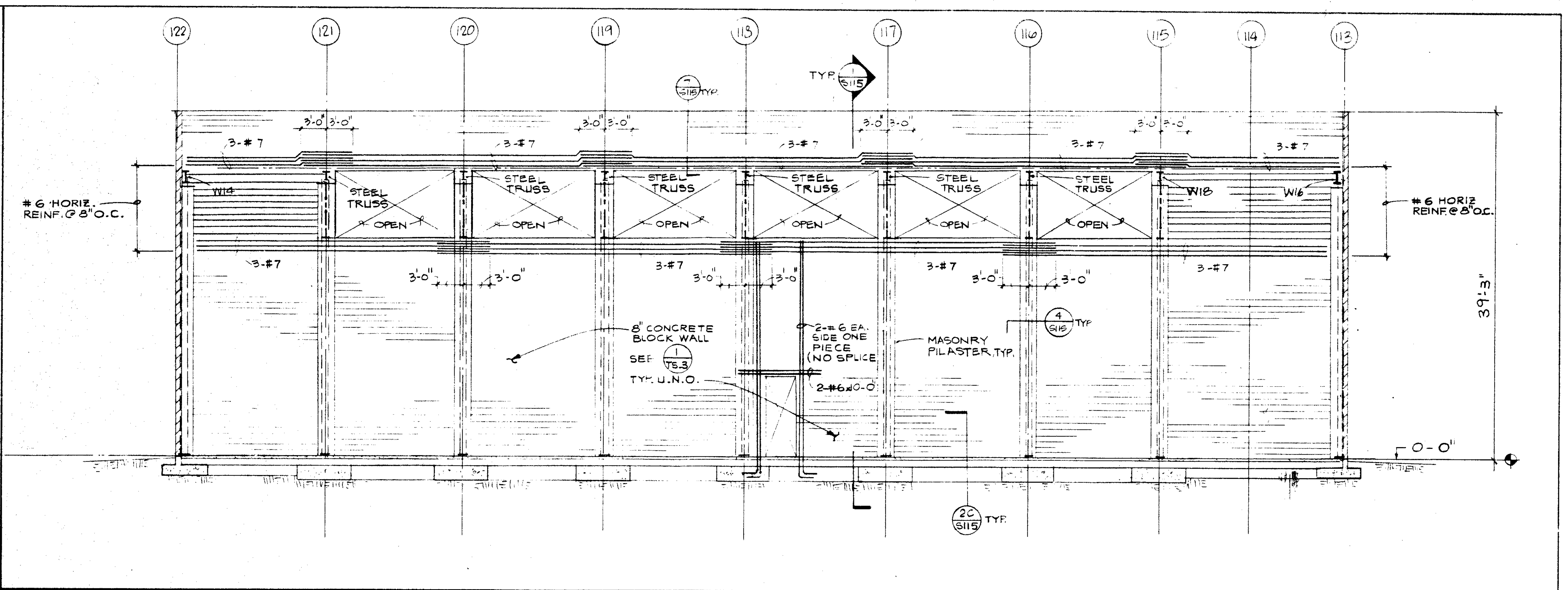
PLAN SECTION SCALE 3/4"=1'-0" **8**


113
℄ COL.℄
4"
8"
1'-8"
3/4"
℄ TS COL. PILASTER
PROVIDE TYP. 90° HOOK AT FACE OF TS COL.
4-#5 REBARS
CONCRETE BAME
4 3/4"
12"
3 S115
SEE 6 S113 FOR OTHER DETAILS

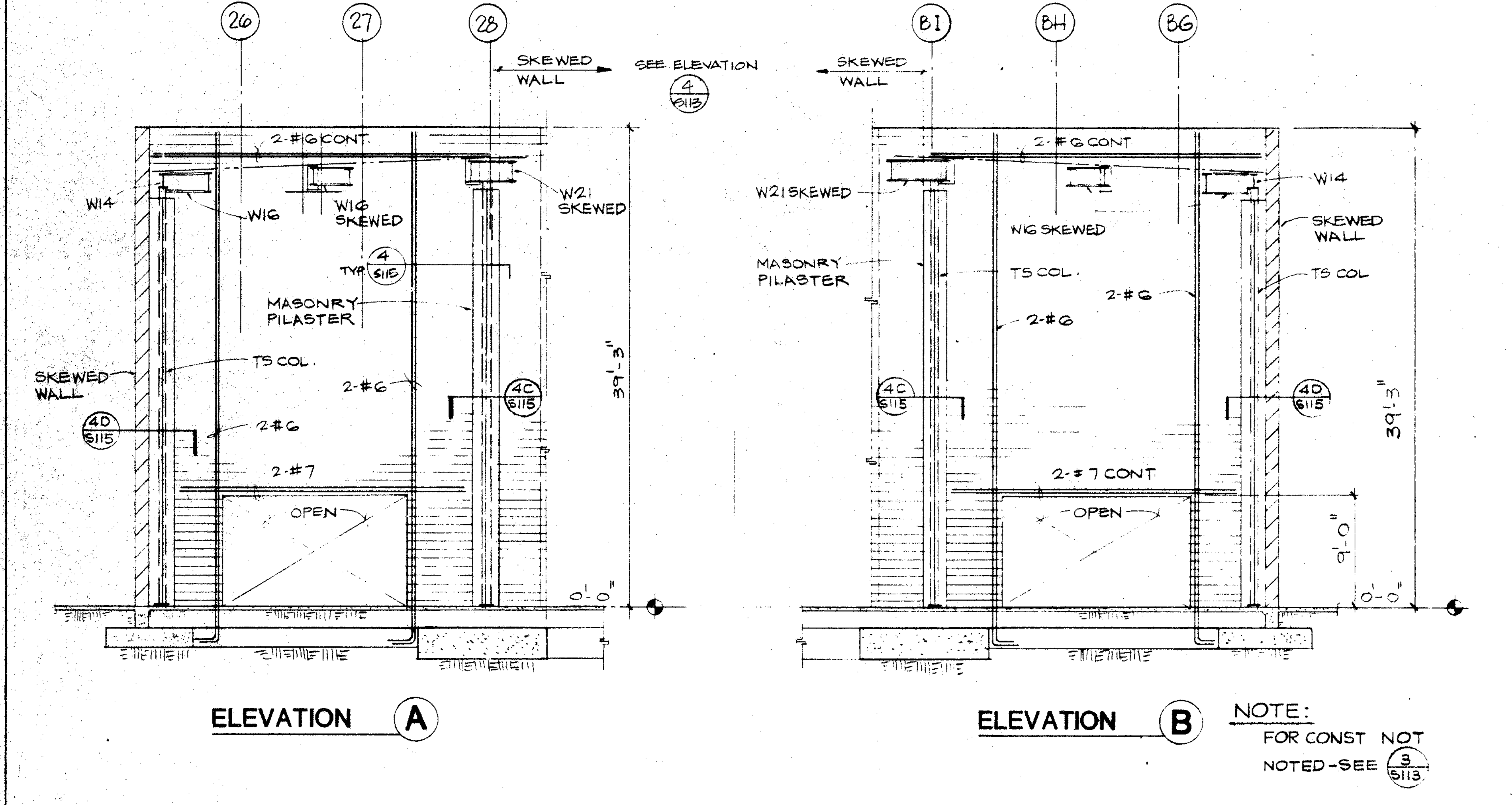
PLAN SECTION SCALE 3/4"=1'-0" **7**


113
2'-0"
1'-4"
4"
4"
2'-4"
FACE OF MASONRY
℄ TS
℄ TS
8"
3/4"
1" MAX GAP
6" CONT EA FACE
℄ TS COL ℄ PILASTER
1" GROUT SPACE
4 S113
3/16
3/4 ⌀ STUD BOLT @ 24" OC. & 6" FROM ENDS OF NAILER
SHAPED WOOD NAILER-TYP.
4-#10 VERT.
℄ REINF.
4-#10 VERT.
BASE ℞ BELOW SEE 1A S115

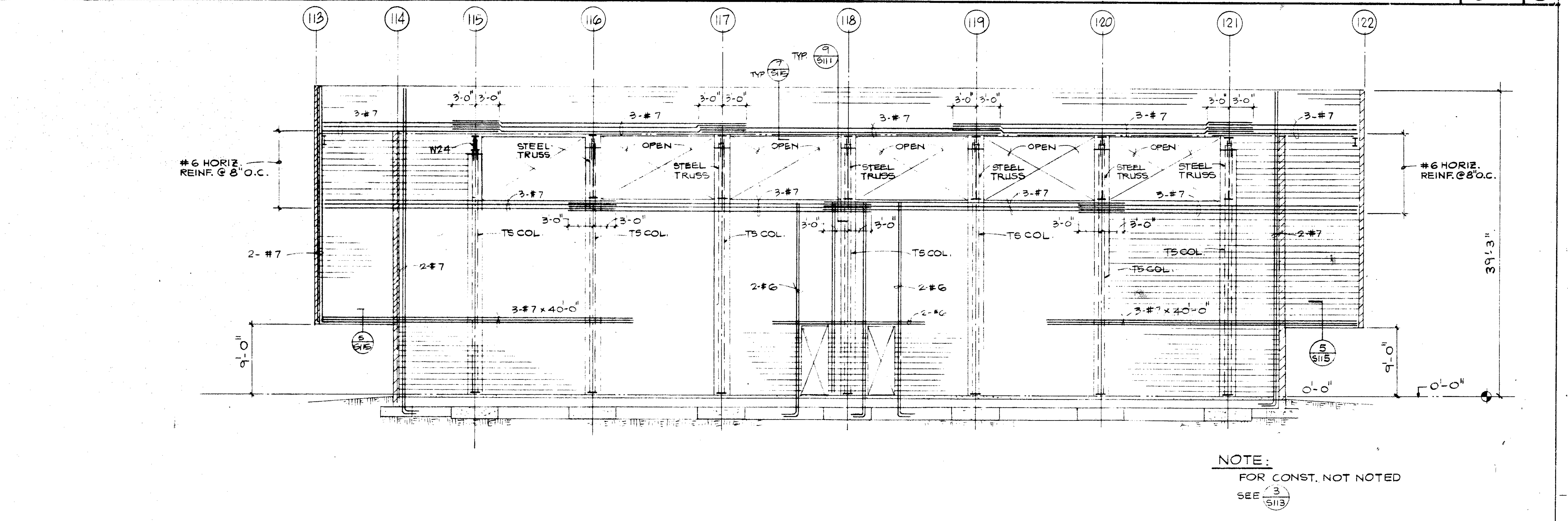
PLAN SECTION SCALE 3/4"=1'-0" **6**


122 121 120 119 118 117 116 115 114 113
TYP. S115
3'-0" 3'-0"
3-#7
W16
STEEL TRUSS
OPEN
W18
#6 HORIZ. REINF. @ 8" O.C.
8" CONCRETE BLOCK WALL SEE 1 TS-3 TYP. U.N.O.
2-#6 EA. SIDE ONE PIECE (NO SPLICE)
2-#6x10-0
MASONRY PILASTER TYP.
4 S115 TYP.
39'-3"
0'-0"
2C S115 TYP.

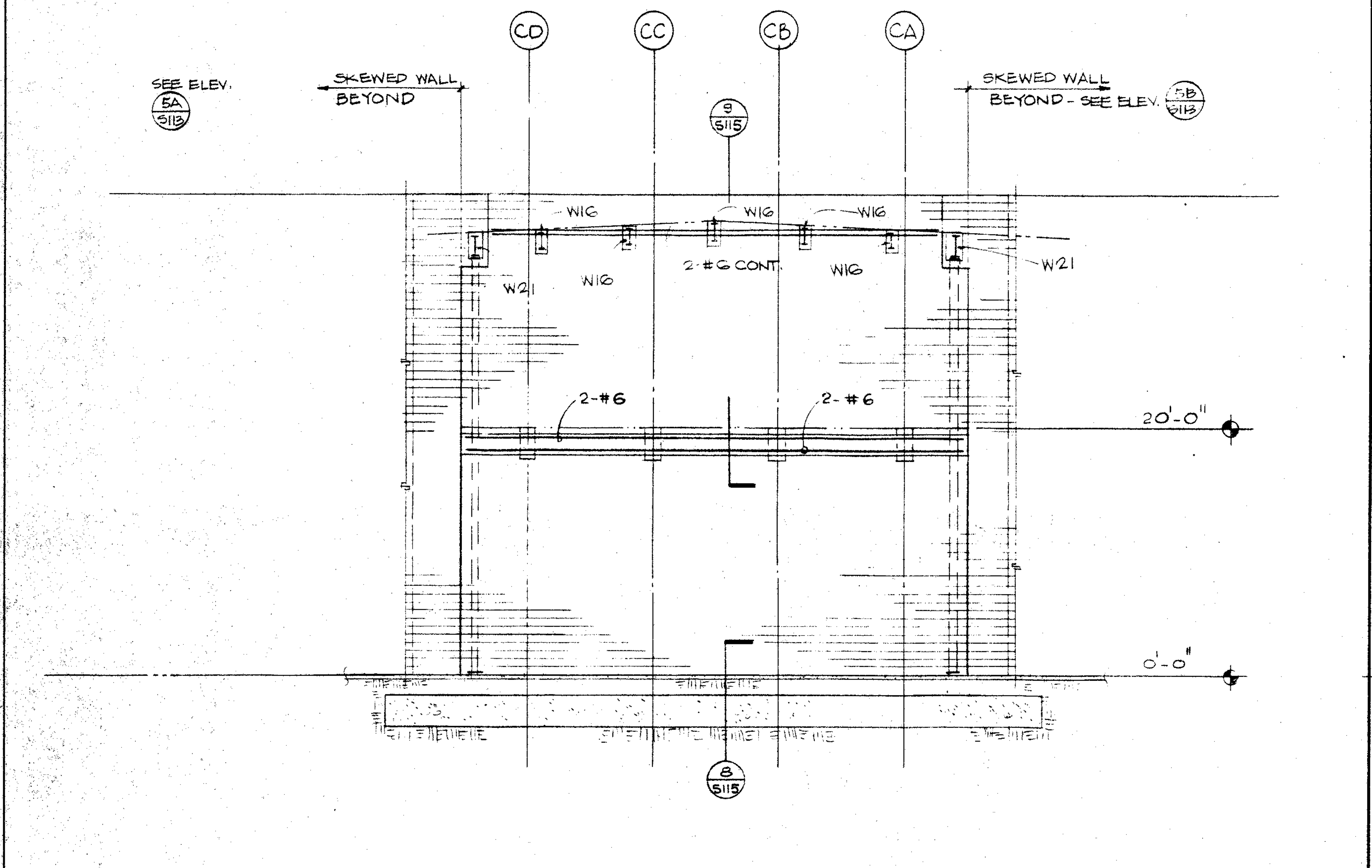
ELEVATION - SOUTH WALL SCALE 1/8"=1'-0" **3**


26 27 28
SKEWED WALL
SEE ELEVATION 4 S113
2-#6 CONT
W14
W16
W16 SKEWED
W21 SKEWED
TYP. 4 S115
MASONRY PILASTER
SKEWED WALL
TS COL.
2-#6
4D S115
4C S115
2-#7
OPEN
39'-3"
9'-0"
0'-0"
ELEVATION A
BI BH BG
SKEWED WALL
2-#6 CONT
W21 SKEWED
W16 SKEWED
W14
MASONRY PILASTER
TS COL.
2-#6
SKEWED WALL
4C S115
4D S115
2-#7 CONT
OPEN
ELEVATION B
NOTE: FOR CONST. NOT NOTED-SEE 3 S113

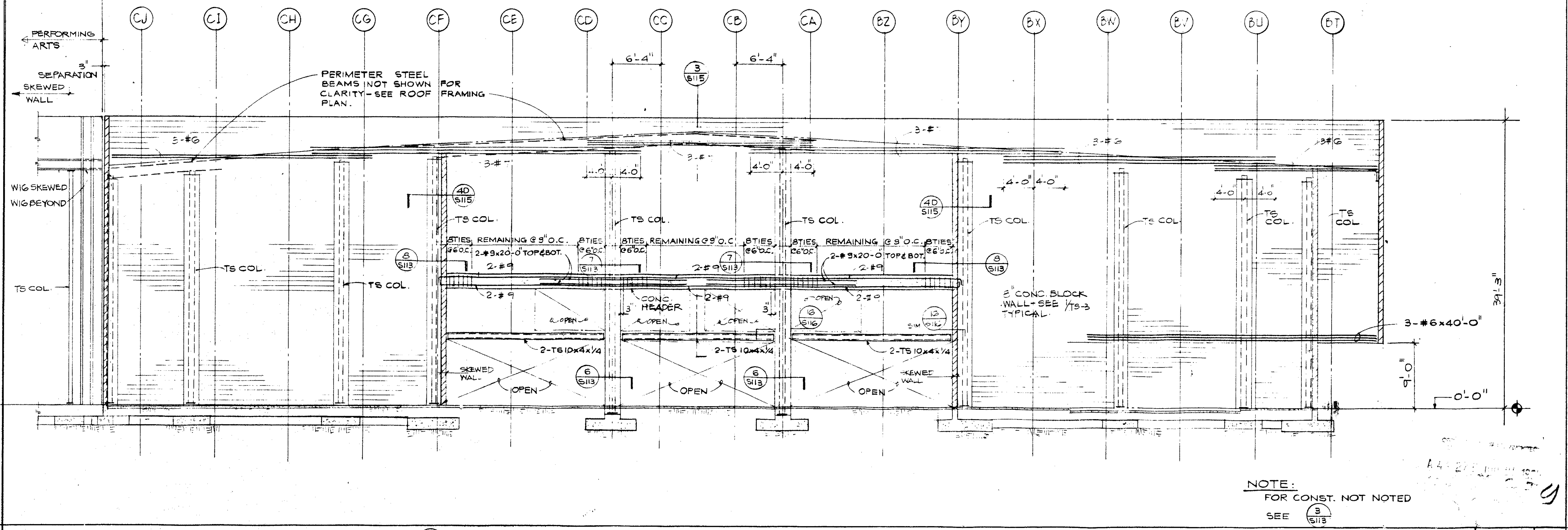
ELEVATION - DIAGONAL WALLS AT WEST ENTRANCE SCALE 1/8"=1'-0" **5**


113 114 115 116 117 118 119 120 121 122
TYP. 9 S111
3'-0" 3'-0"
3-#7
W24
STEEL TRUSS
OPEN
#6 HORIZ. REINF. @ 8" O.C.
TS COL.
2-#7
2-#6
3-#7 x 40'-0"
39'-3"
9'-0"
0'-0"
5 S115
NOTE: FOR CONST. NOT NOTED SEE 3 S113

ELEVATION - NORTH WALL (LOOKING NORTH) **2**

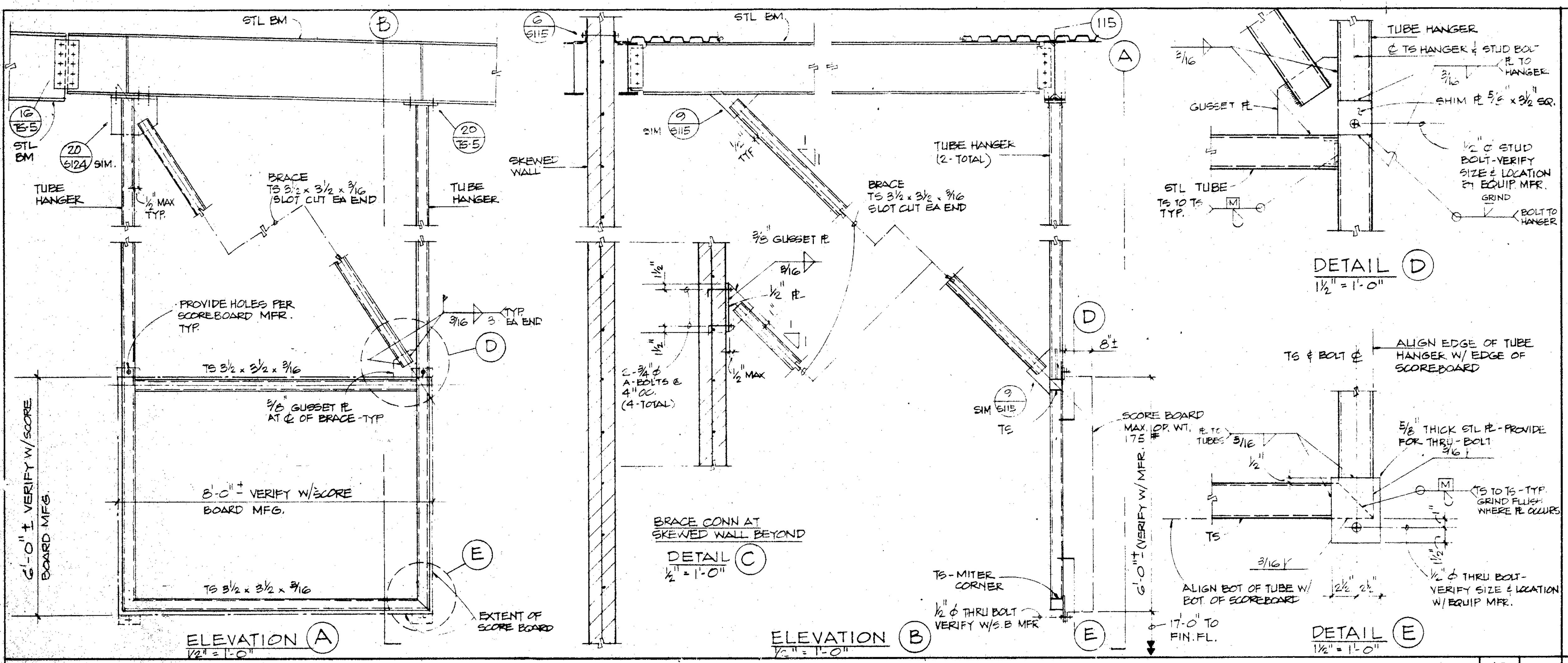

CD CC CB CA
SEE ELEV. 5A S113
SKEWED WALL BEYOND
9 S115
SKEWED WALL BEYOND - SEE ELEV. 5B S113
W16
W21
2-#6 CONT.
2-#6
20'-0"
0'-0"
8 S115

ELEVATION - WALL AT WEST ENTRANCE LINE (115) SCALE 1/8"=1'-0" **4**

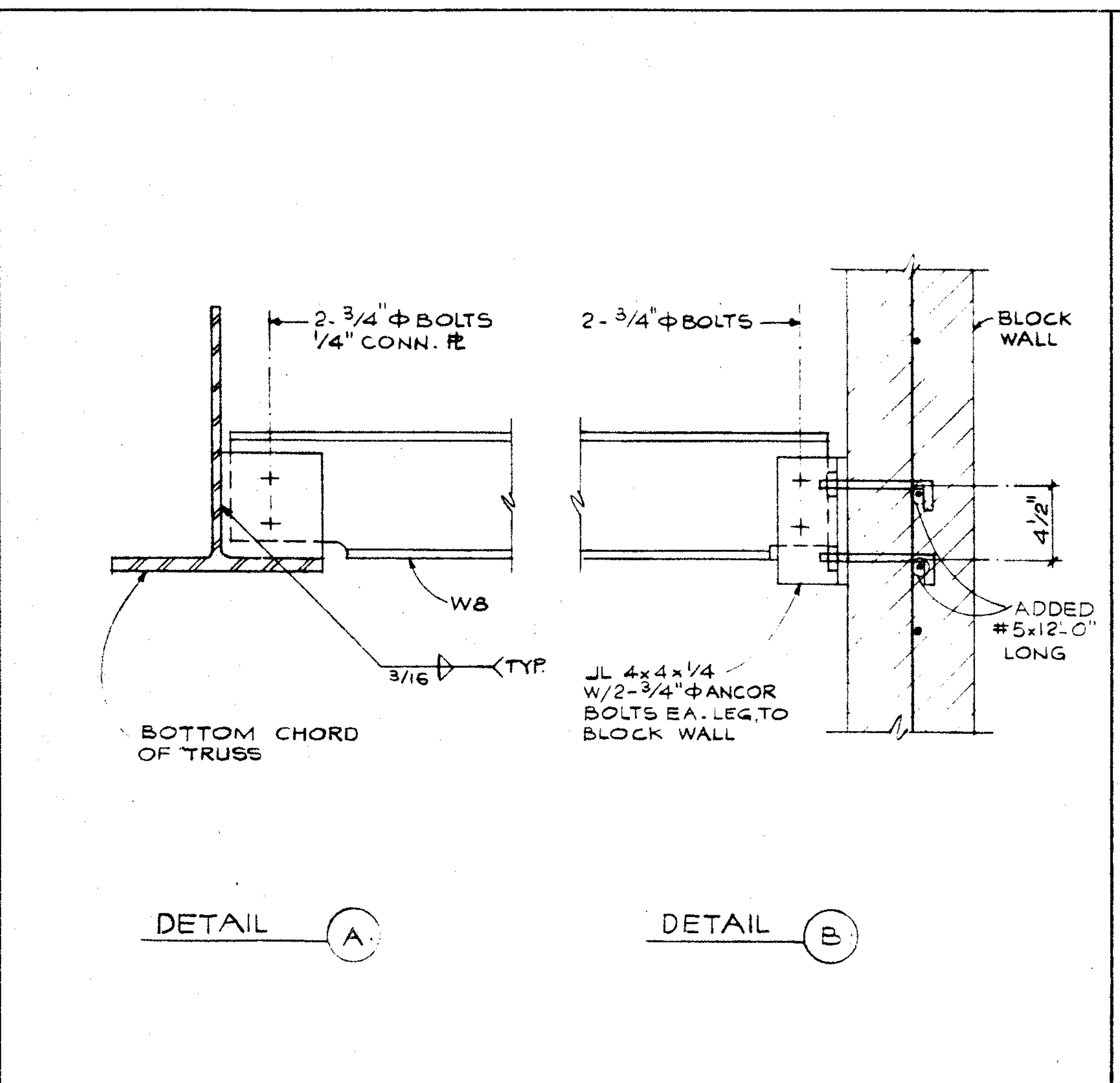

CJ CI CH CG CF CE CD CC CB CA BZ BY BX BW BV BU BT
PERFORMING ARTS
3" SEPARATION
SKEWED WALL
PERIMETER STEEL BEAMS NOT SHOWN FOR CLARITY - SEE ROOF FRAMING PLAN.
6'-4"
3 S115
3-#6
W16 SKEWED
W16 BEYOND
TS COL.
4D S115
4'-0" 4'-0"
8 TIES, REMAINING @ 9" O.C.
2-#9x20-0 TOP & BOT.
2-#9
CONC HEADER
OPEN
8" CONC BLOCK WALL - SEE 1 TS-3 TYPICAL
2-TS 10x4x1/4
SKEWED WALL
6 S113
3-#6x40'-0"
39'-3"
9'-0"
0'-0"
NOTE: FOR CONST. NOT NOTED SEE 3 S113

ELEVATION - WEST WALL LINE (113) (LOOKING WEST) SCALE 1/8"=1'-0" **1**

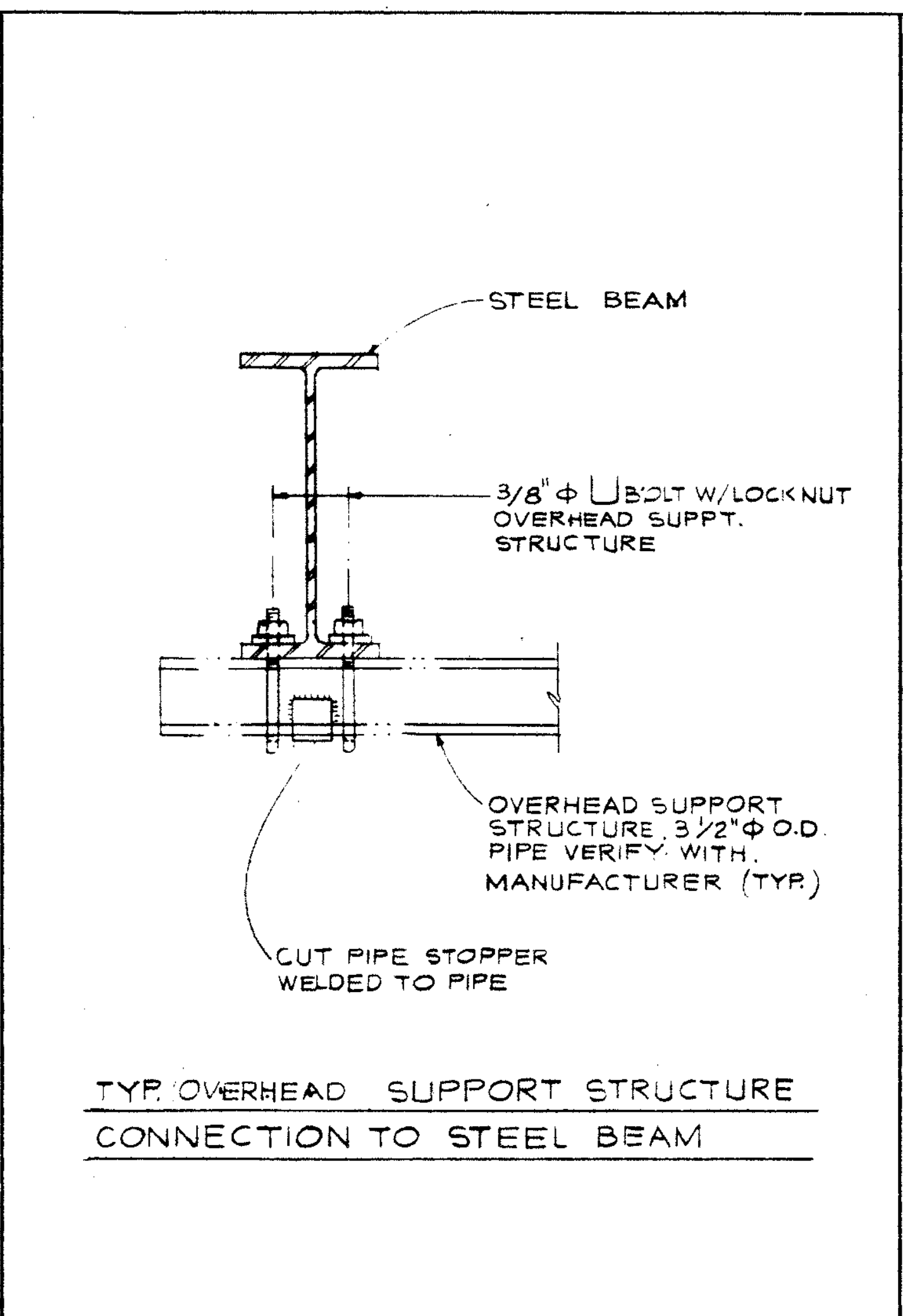
Drawn By MCL Checked By SRU Date MAR 1988 Commission No 1.30 02	Revisions △ 6-29-88 PHASING	Brandow & Johnston Assoc. Structural Engineers Mamoru E. Kanda No. 956	Architects Planners RUHNAU McGAVIN RUHNAU / ASSOCIATES 3775 Tenth Street Riverside, CA 92501-3669 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-1995 619/438-5899	ARCHITECT C-6497	West Hills High School Grossmont Union High School District San Diego, Ca San Diego County
GYMNASIUM - BLDG. No. 1 - PART A Wall Elevations	Sheet Number S113 Of Sheets				


STL BM
TUBE HANGER
BRACE TS 3½ x 3½ x 3/16 SLOT CUT EA END
PROVIDE HOLES PER SCOREBOARD MFR. TYP.
TS 3½ x 3½ x 3/16
3/8" GUSSET PL AT ℄ OF BRACE-TYP
8'-0"± VERIFY W/SCORE BOARD MFG.
4'-0"± VERIFY W/SCORE BOARD MFG.
EXTENT OF SCORE BOARD
ELEVATION (A) 1/2" = 1'-0"
SKEWED WALL
TUBE HANGER (2-TOTAL)
3/8" GUSSET PL
C-3/8"φ A-BOLTS @ 4" OC (4-TOTAL)
BRACE CONN AT SKEWED WALL BEYOND
DETAIL (C) 1½" = 1'-0"
TS-MITER CORNER
1/2"φ THRU BOLT VERIFY W/S.B. MFR.
SCORE BOARD MAX OP. WT. 175 #
ELEVATION (B) 1/2" = 1'-0"
TUBE HANGER
℄ TS HANGER ℄ STUD BOLT
GUSSET PL
STL TUBE TS TO TS TYP.
DETAIL (D) 1½" = 1'-0"
ALIGN EDGE OF TUBE HANGER W/ EDGE OF SCOREBOARD
TS ℄ BOLT ℄
5/8 THICK STL PL - PROVIDE FOR THRU-BOLT
TS TO TS - TYP GRIND FLUSH WHERE PL OCCURS
1/2"φ THRU BOLT - VERIFY SIZE & LOCATION W/ EQUIP MFR.
ALIGN BOT OF TUBE W/ BOT OF SCOREBOARD
17'-0" TO FIN. FL.
DETAIL (E) 1½" = 1'-0"

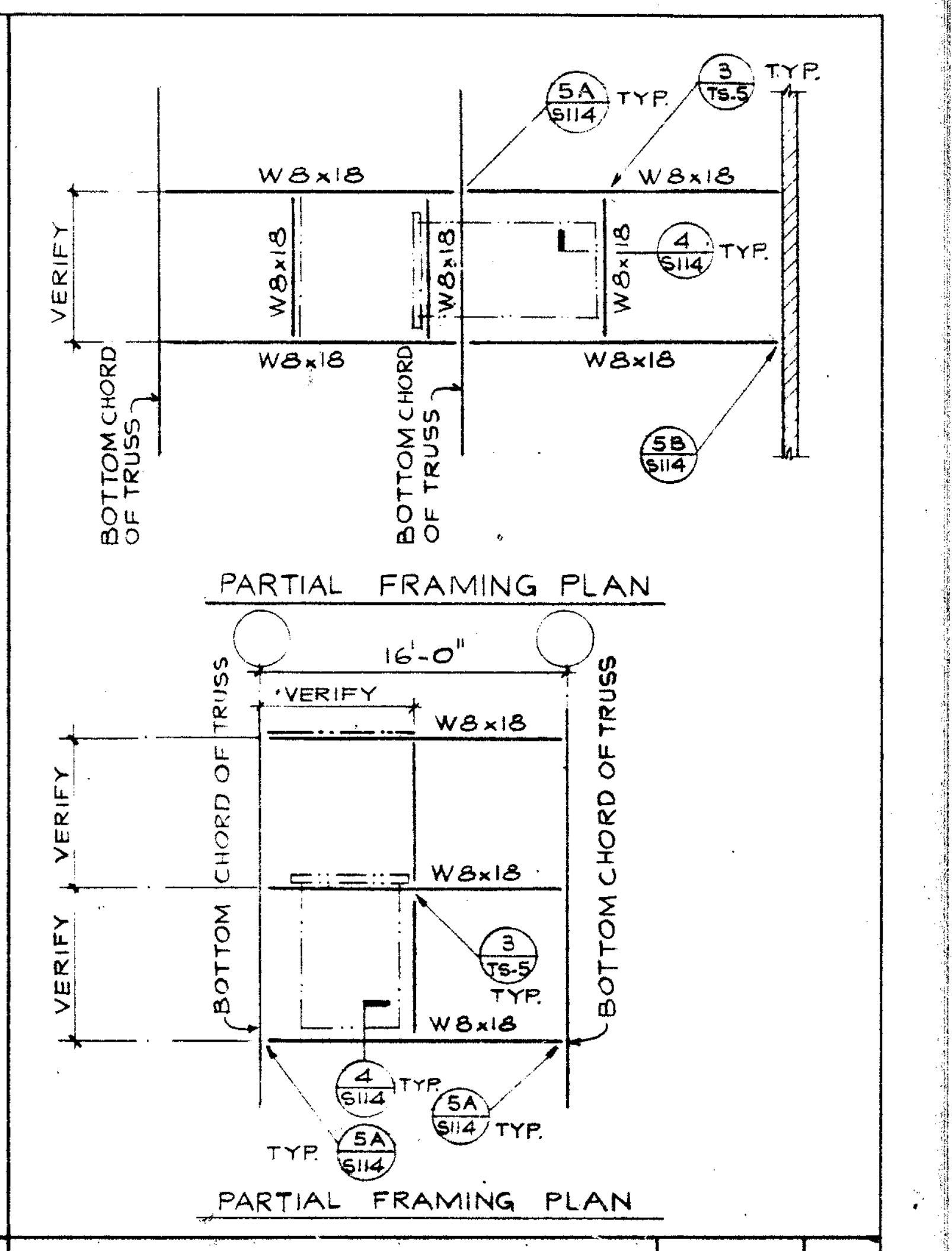
SCOREBOARD SUPPORT DETAILS AND ELEVATIONS — AS NOTED — 7


2-3/4"φ BOLTS 1/4" CONN. PL
W8
BOTTOM CHORD OF TRUSS
3/16 TYP
DETAIL (A)
2-3/4"φ BOLTS
BLOCK WALL
L 4x4x1/4 W/2-3/4"φ ANCOR BOLTS EA. LEG TO BLOCK WALL
ADDED #5x12-0" LONG
DETAIL (B)

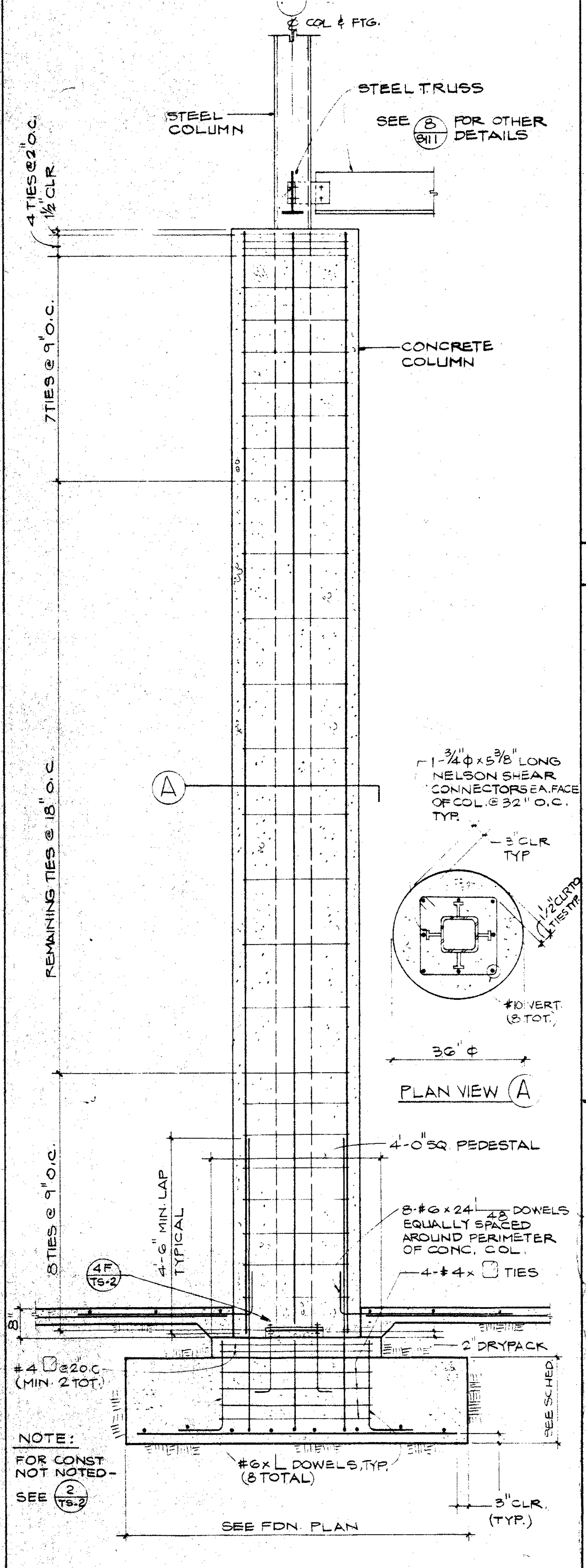
DETAIL — SCALE 1½" = 1'-0" — 5


STEEL BEAM
3/8"φ U BOLT W/ LOCK NUT OVERHEAD SUPPT. STRUCTURE
OVERHEAD SUPPORT STRUCTURE 3½"φ O.D PIPE VERIFY WITH MANUFACTURER (TYP.)
CUT PIPE STOPPER WELDED TO PIPE
TYP. OVERHEAD SUPPORT STRUCTURE CONNECTION TO STEEL BEAM

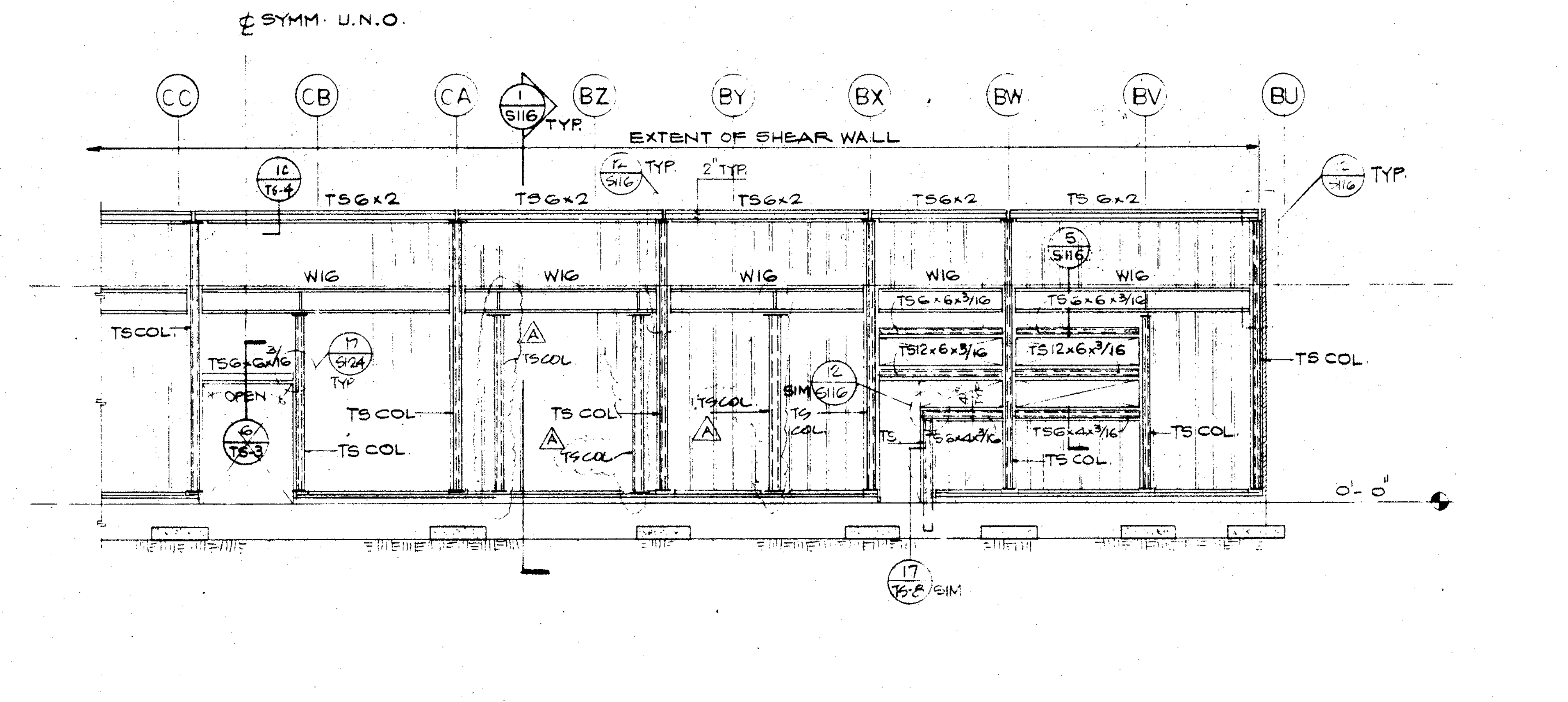
DETAIL — SCALE 1½" = 1'-0" — 4


W8x18
VERIFY
BOTTOM CHORD OF TRUSS
PARTIAL FRAMING PLAN
16'-0"
TYP.
PARTIAL FRAMING PLAN

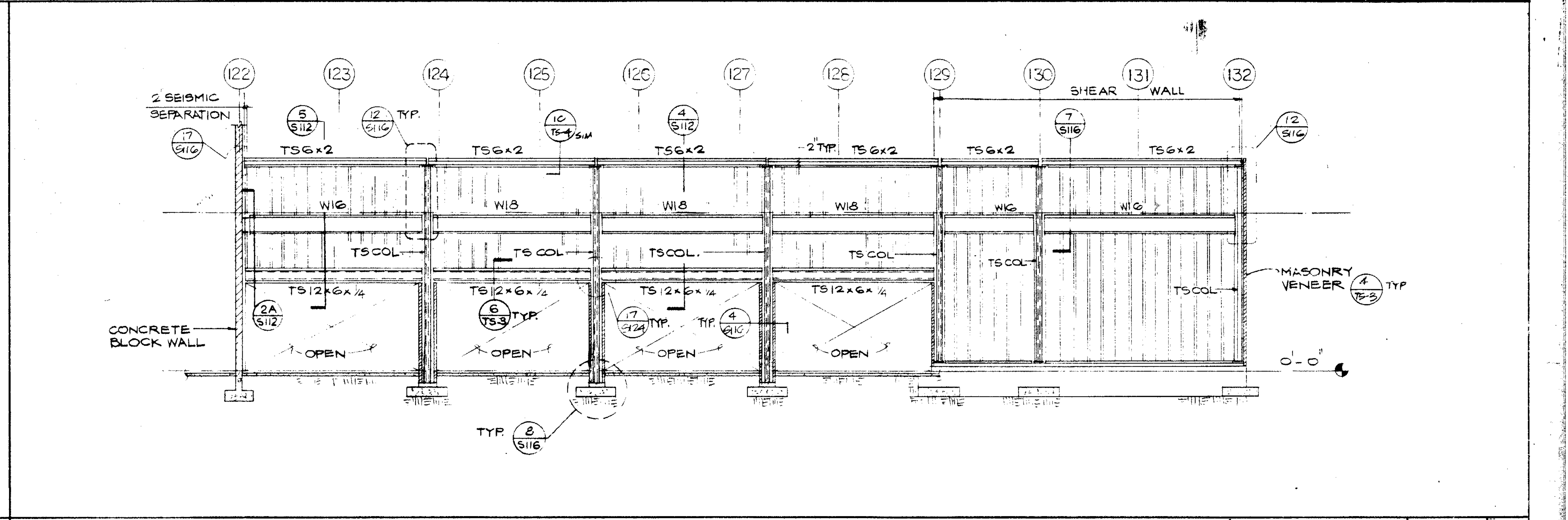
TYP. BSKTBALL BACK BD. SUPPT. DETAIL — SCALE 1/8" = 1'-0" — 3


℄ COL & FTG.
STEEL TRUSS SEE (B/S111) FOR OTHER DETAILS
STEEL COLUMN
4 TIES @ 2" O.C. & 1½" CLR.
7 TIES @ 9" O.C.
CONCRETE COLUMN
REMAINING TIES @ 18" O.C.
1-1/4"φ x 5/8" LONG NELSON SHEAR CONNECTORS EA. FACE OF COL @ 32" O.C. TYP.
3" CLR TYP
#10 VERT (8 TOT.)
36"φ
PLAN VIEW (A)
4'-0" SQ PEDESTAL
8-#6 x 24" DOWELS EQUALLY SPACED AROUND PERIMETER OF CONC. COL.
4-#4 x ▢ TIES
3 TIES @ 9" O.C.
4'-0" MIN LAP TYPICAL
2" DRYPACK
#4 @ 20" O.C. (MIN. 2 TOT.)
#6 x L DOWELS TYP. (8 TOTAL)
3" CLR (TYP.)
SEE FDN PLAN
NOTE: FOR CONST NOT NOTED - SEE (2/TS-2)

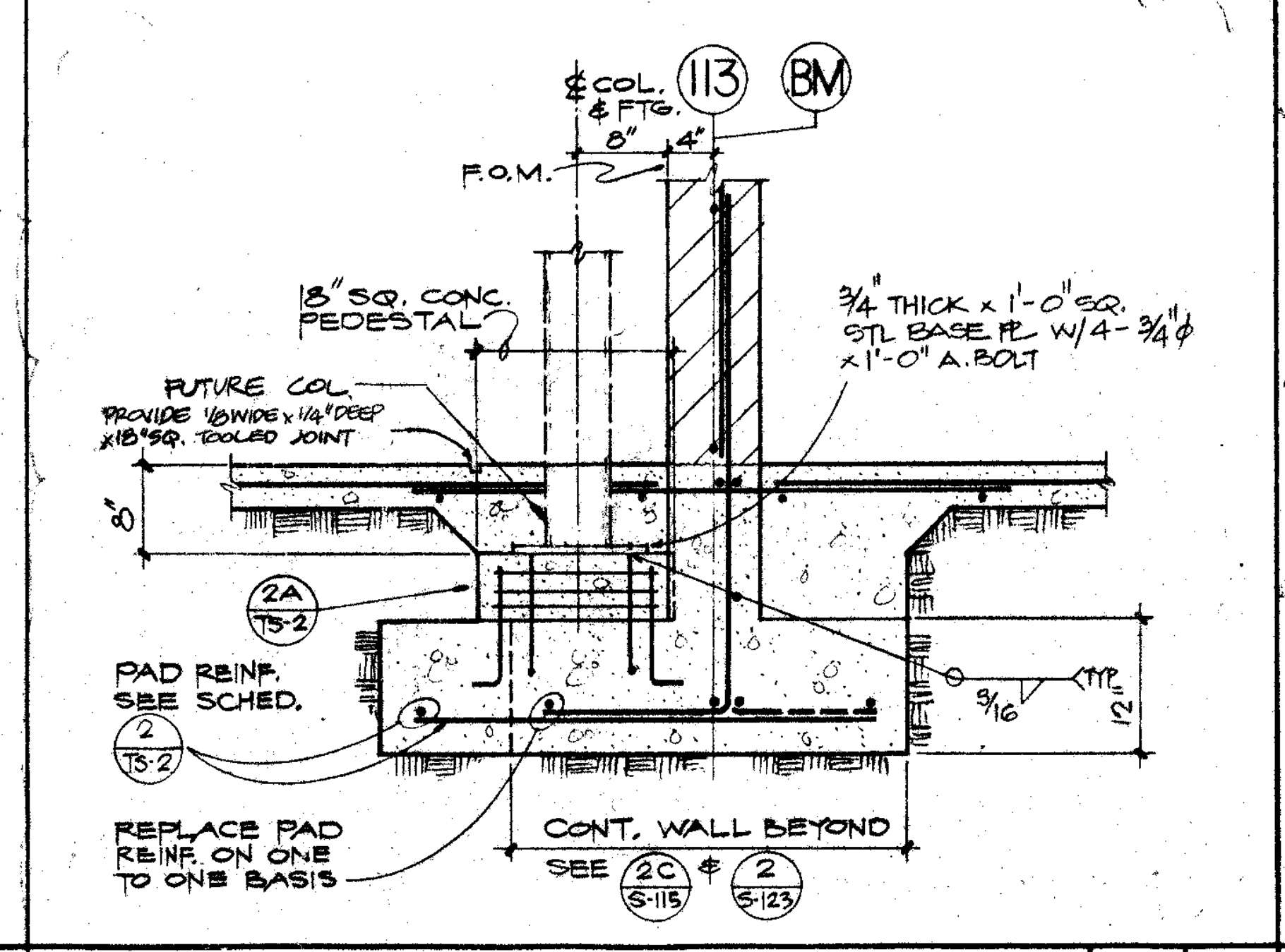
TYP. CONCRETE COLUMN — SCALE: 3/4" = 1'-0" — 11


℄ SYMM. U.N.O.
CC CB CA BZ BY BX BW BV BU
EXTENT OF SHEAR WALL
TS 6x2
W16
TS COL
TS 12x6x3/16
OPEN
0'-0"

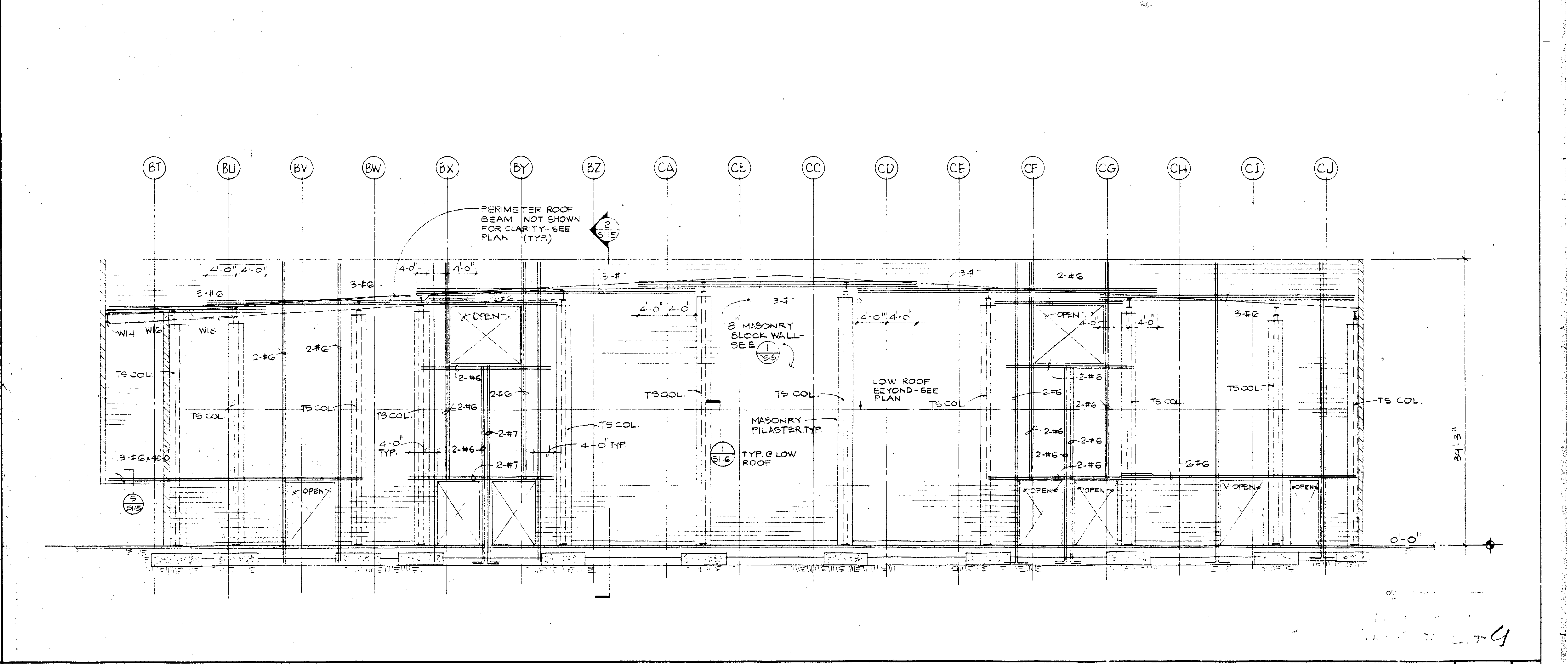
ELEVATION-EAST WALL ALONG GRID (132) (LOOKING WEST) — SCALE: 1/8" = 1'-0" — 6


122 123 124 125 126 127 128 129 130 131 132
2" SEISMIC SEPARATION
SHEAR WALL
TS 6x2
W16
W18
TS COL
TS 12x6x1/4
CONCRETE BLOCK WALL
MASONRY VENEER
OPEN
0'-0"

ELEVATION (BETWEEN (CI) & (CJ) LOOKING NORTH) — SCALE: 1/8" = 1'-0" — 2


℄ COL (113) (BM) ℄ FTG.
F.O.M.
18" SQ. CONC. PEDESTAL
3/4" THICK x 1'-0" SQ. STL BASE PL W/4-3/4"φ x 1'-0" A.BOLT
FUTURE COL. PROVIDE 1/2" WIDE x 1/2" DEEP ¾" SQ. TOOLED JOINT
PAD REINF. SEE SCHED. (2/TS-2)
REPLACE PAD REINF. ON ONE TO ONE BASIS
CONT. WALL BEYOND SEE (2C/S115) & (2/S123)

DETAIL — 3/4" — 8


BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ
PERIMETER ROOF BEAM NOT SHOWN FOR CLARITY - SEE PLAN (TYP.)
8" MASONRY BLOCK WALL - SEE (1/TS-5)
LOW ROOF BEYOND - SEE PLAN
MASONRY PILASTER TYP
TYP. @ LOW ROOF
TS COL
OPEN
2-#6
2-#7
4'-0" TYP.
W14 W16 W18
0'-0"
39'-3"

ELEVATION - EAST WALL (LOOKING EAST) — SCALE 1/8" = 1'-0" — 1

Drawn By MCL
Checked By SRU
Date MAR 1988
Commission No 1.30 02

Revisions
△ 6-29-88 PHASING

Brandow & Johnston Assoc.
Structural Engineers
Mamoru E. Kanda

No. 956
EXP. 12.31.88

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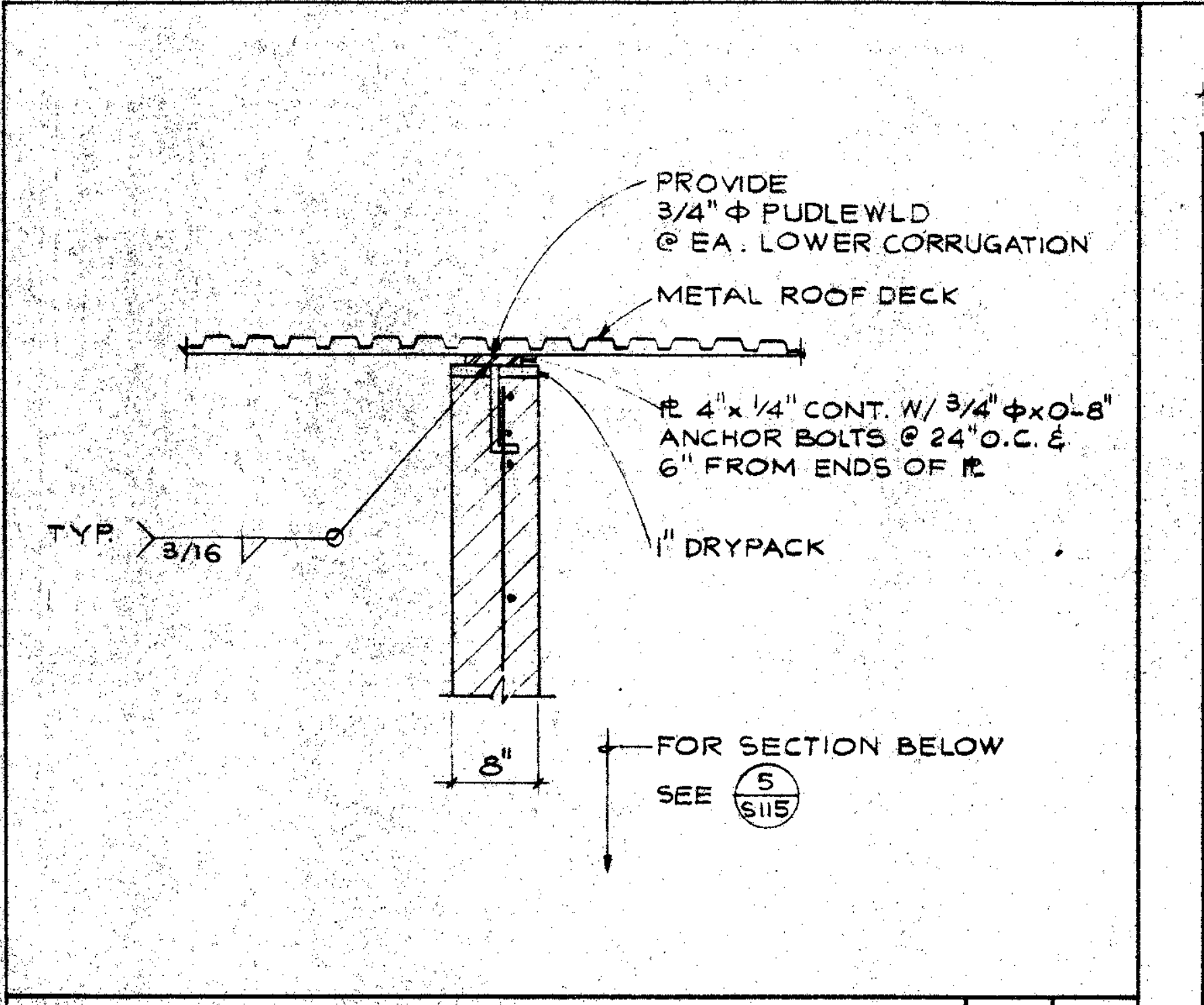
ARCHITECT
C-6497

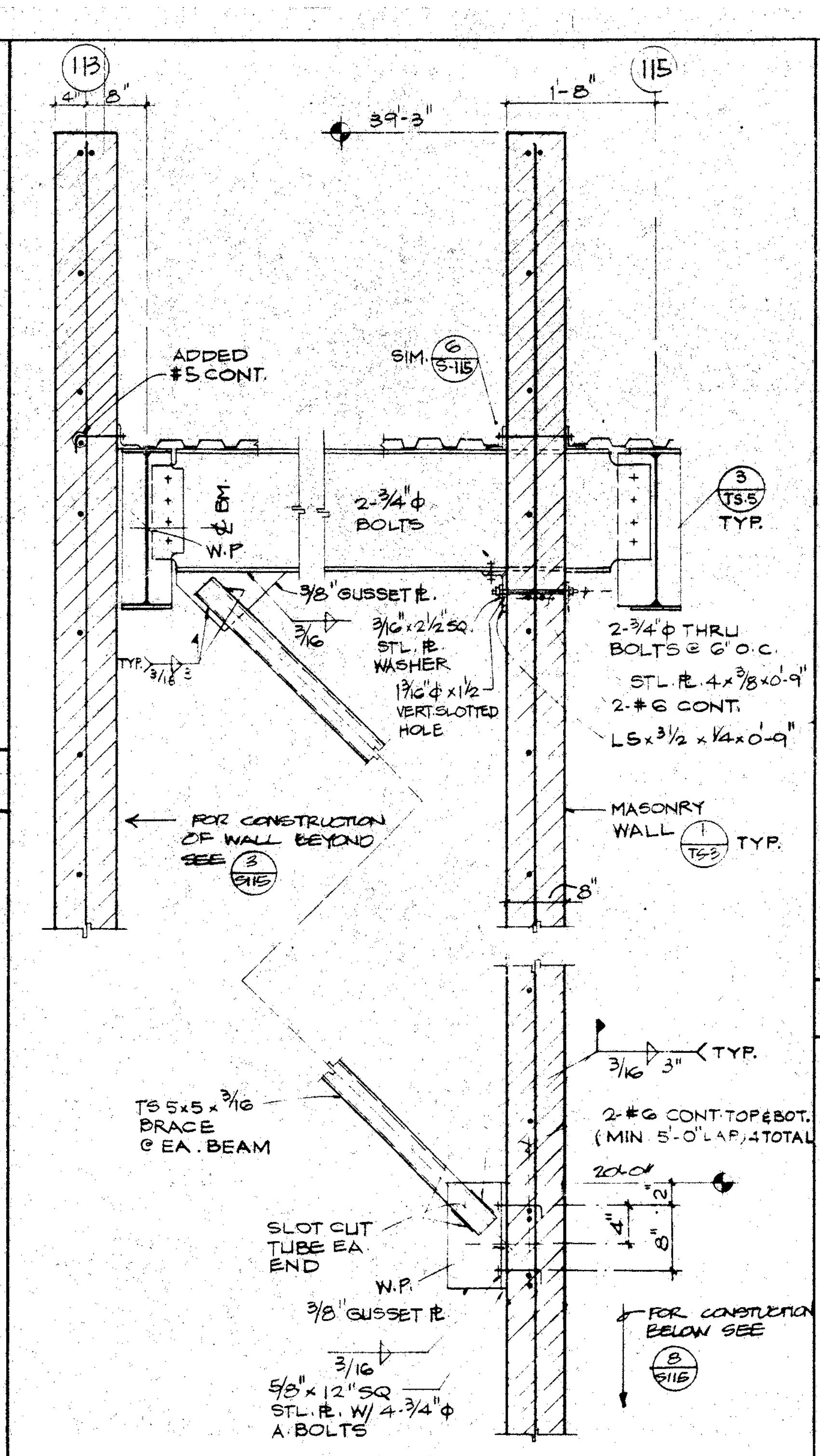
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

GYMNASIUM - BLDG. No. 1 - PART A
Wall Elevation - Details

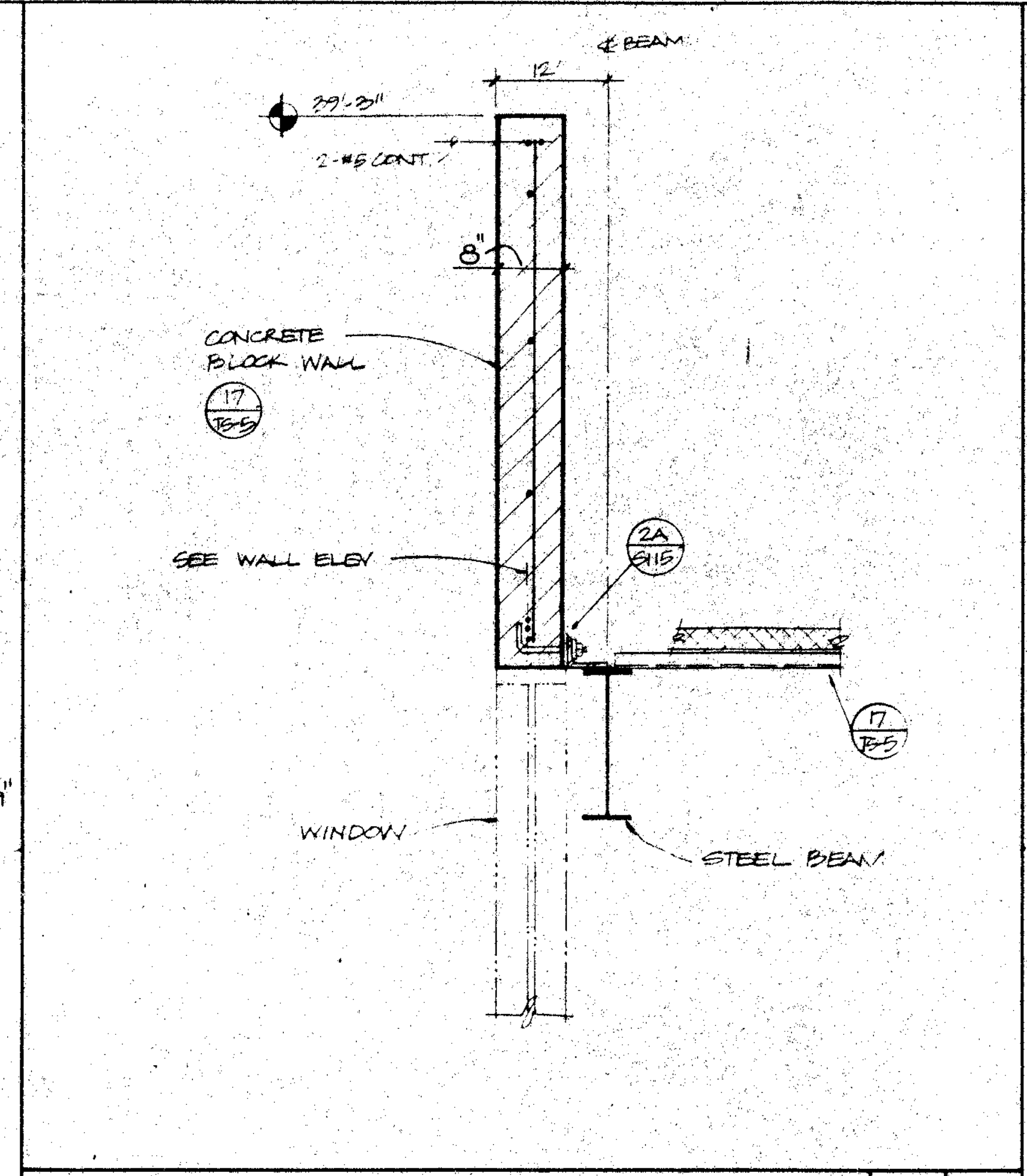
Sheet Number
S114
Of Sheets


PROVIDE 3/4" ϕ PUDLEWLD @ EA. LOWER CORRUGATION
METAL ROOF DECK
℄ 4" x 1/4" CONT. W/ 3/4" ϕ x 0-8" ANCHOR BOLTS @ 24" O.C. & 6" FROM ENDS OF ℄
1" DRYPACK
TYP. 3/16
8"
FOR SECTION BELOW SEE 5/S115

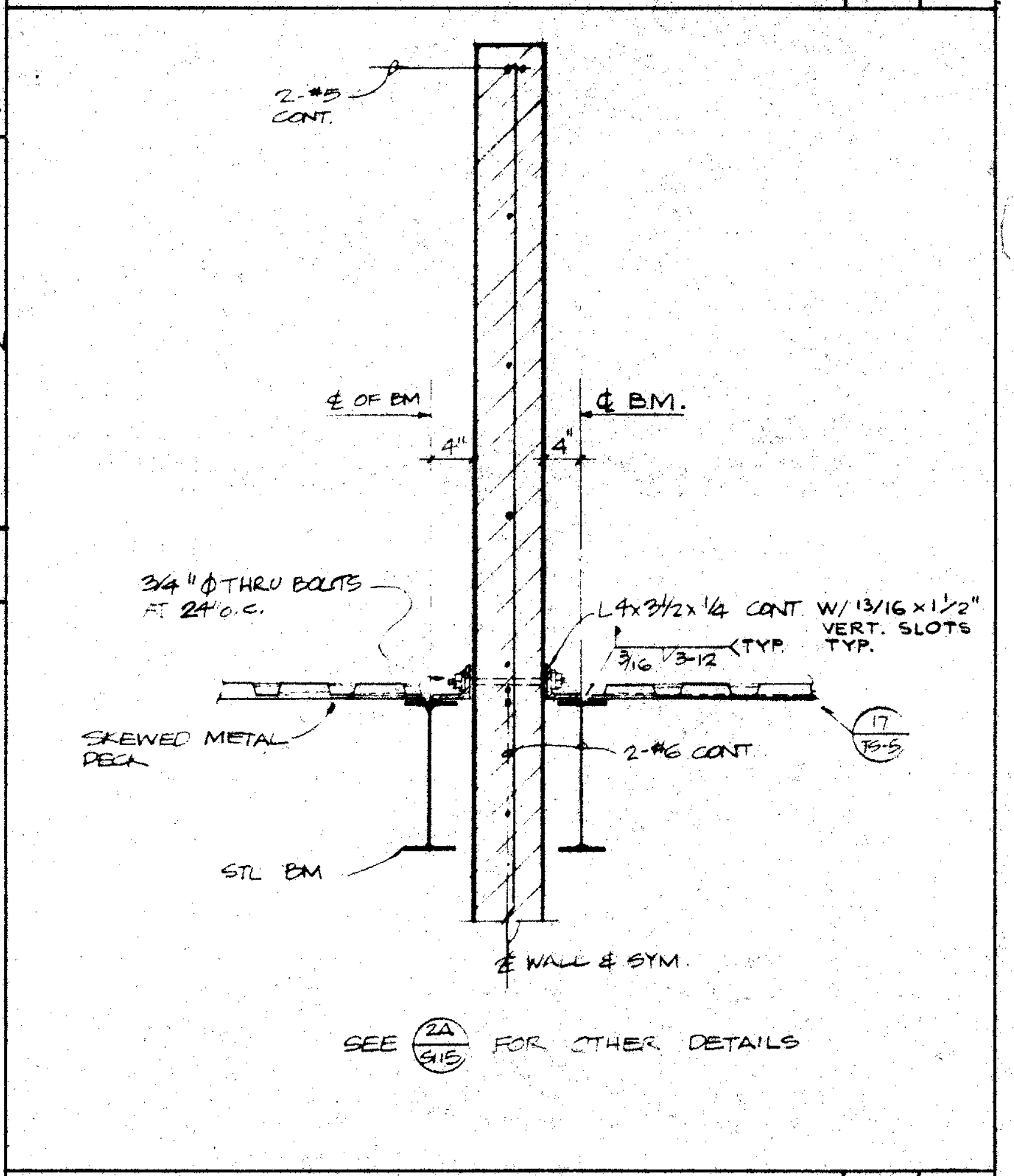
SECTION 3/4" **11**


113
115
8"
39'-3"
1'-8"
ADDED #5 CONT.
SIM. 6/S116
2-3/4" ϕ BOLTS
3/S5 TYP.
W.P.
3/8" GUSSET ℄
2-3/4" ϕ THRU BOLTS @ 6" O.C.
3/16 x 2 1/2 SQ. STL ℄ WASHER
1 3/16 x 1 1/2 VERT. SLOTTED HOLE
STL. ℄ 4 x 3/8 x 0-9"
2-#6 CONT.
L5 x 3 1/2 x 1/4 x 0-9"
MASONRY WALL 1/T53 TYP.
FOR CONSTRUCTION OF WALL BEYOND SEE 8/S116
TYP.
TS 5x5 x 3/16 BRACE @ EA. BEAM
2-#6 CONT. TOP & BOT. (MIN. 5'-0" LAP, 4 TOTAL)
SLOT CUT TUBE EA END
W.P.
3/8" GUSSET ℄
5/8" x 12" SQ STL. ℄ W/ 4-3/4" ϕ A. BOLTS
FOR CONSTRUCTION BELOW SEE 8/S116

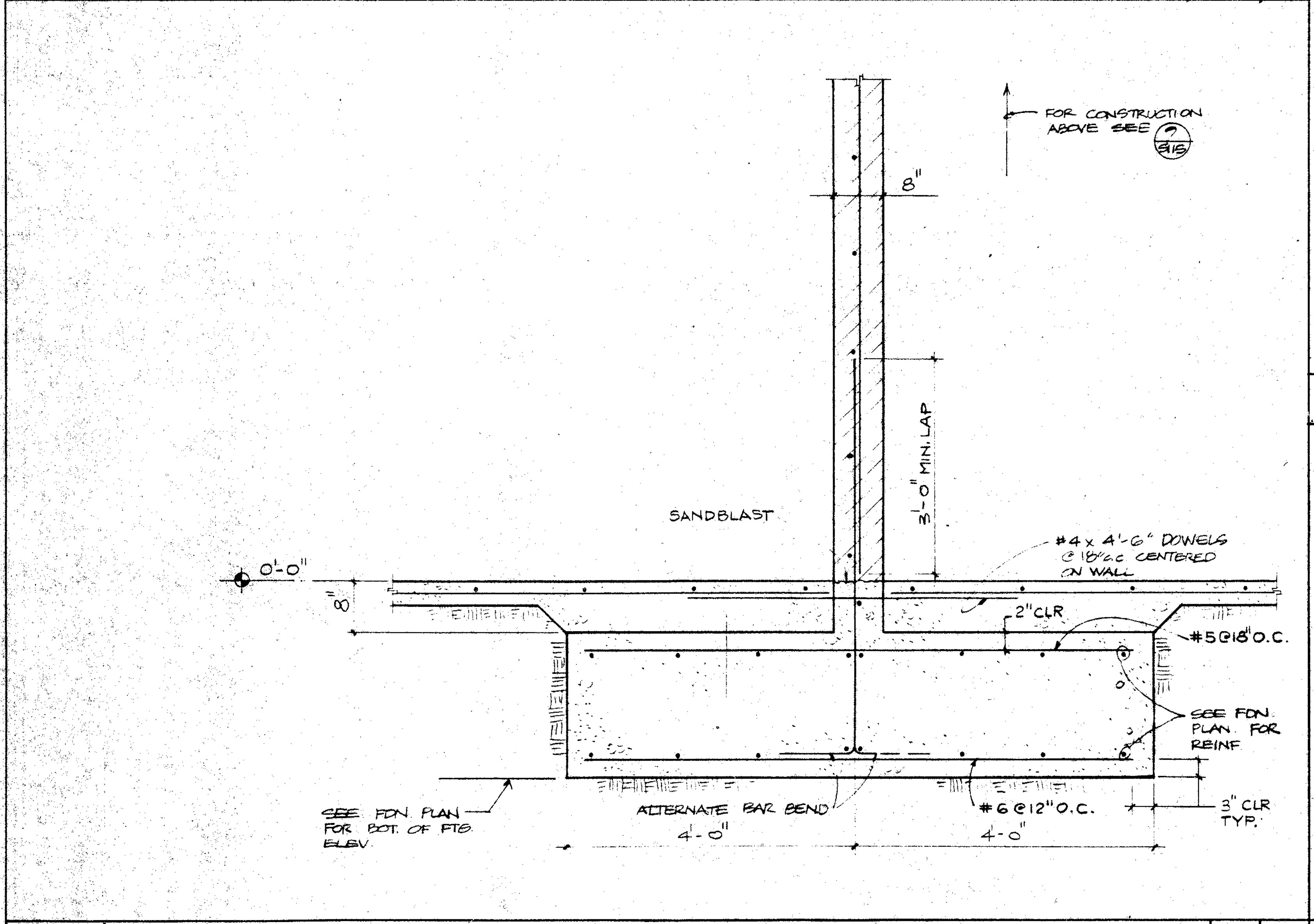
SECTION 3/4" **9**


℄ BEAM
39'-3"
12"
2-#6 CONT.
8"
CONCRETE BLOCK WALL 17/S-5
SEE WALL ELEV.
2A/S116
17/S-5
WINDOW
STEEL BEAM

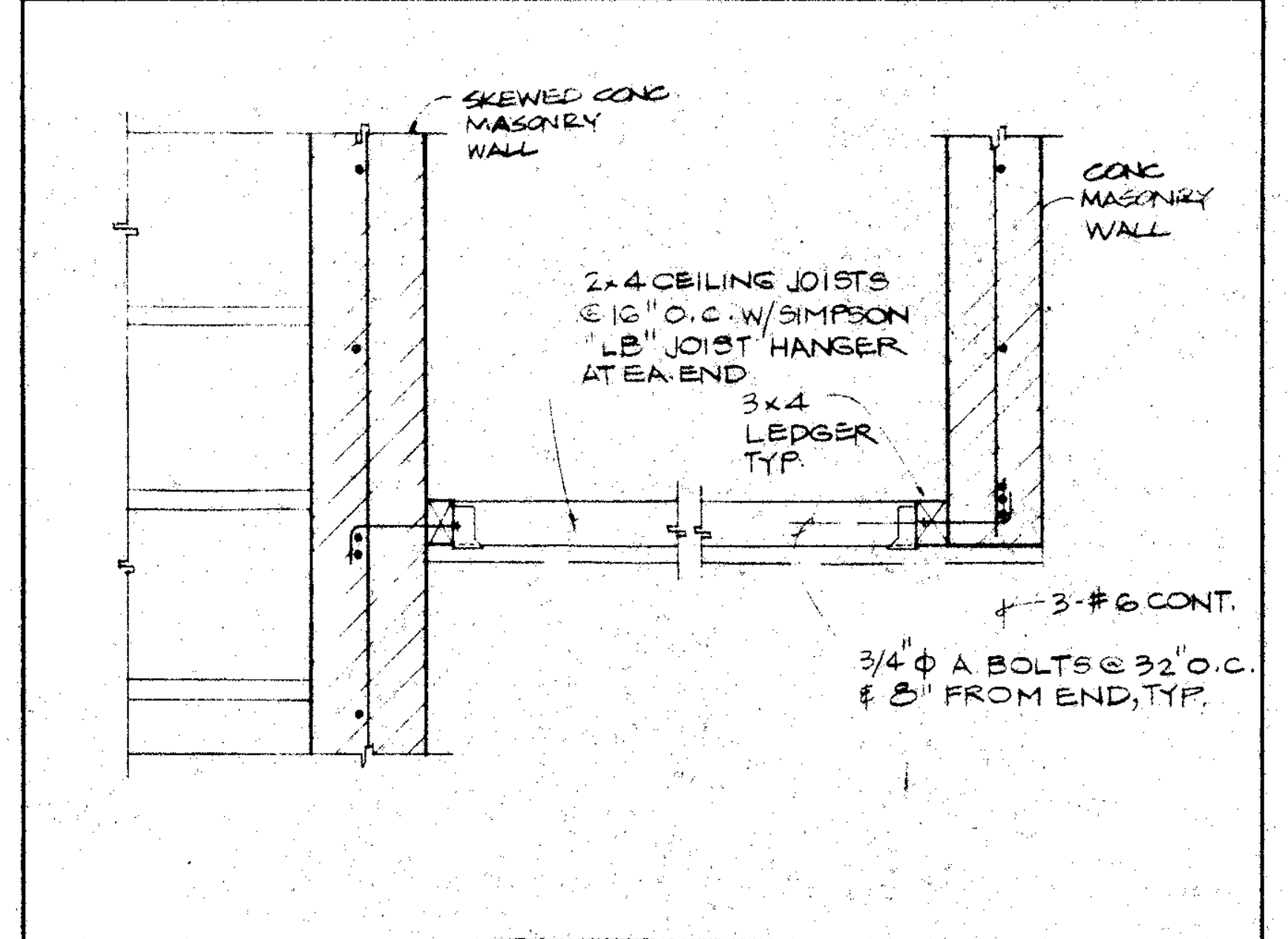
SECTION 3/4" **7**


2-#5 CONT.
℄ OF BM
℄ BM.
4"
4"
3/4" ϕ THRU BOLTS AT 24" O.C.
L4 x 3 1/2 x 1/4 CONT. W/ 13/16 x 1 1/2" VERT. SLOTS TYP.
3/16 3-12 TYP.
SKEWED METAL DECK
2-#6 CONT
1/T5-5
STL BM
℄ WALL & SYM.
SEE 2A/S115 FOR OTHER DETAILS

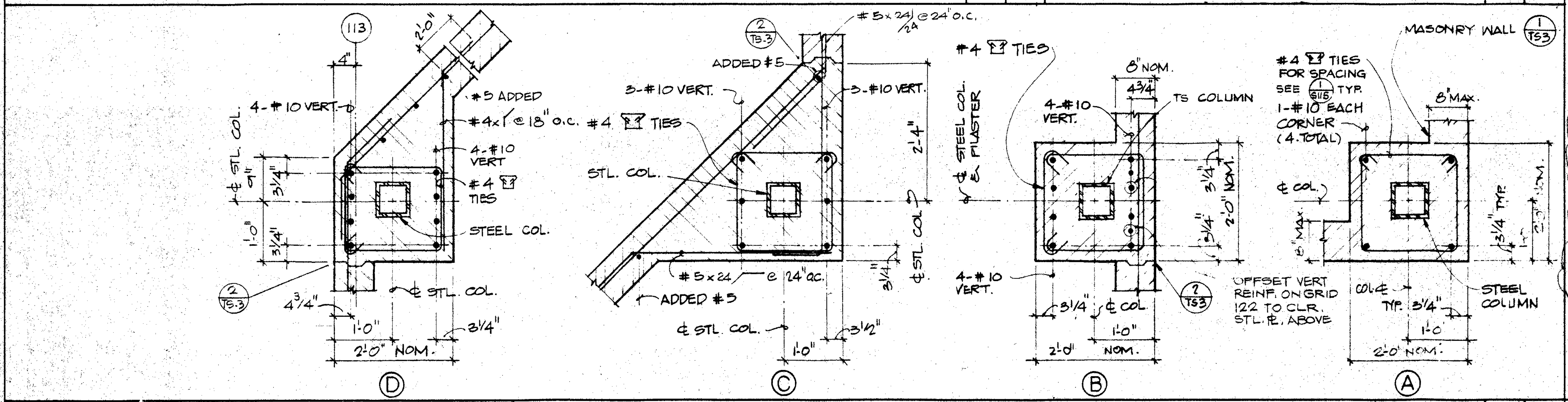
SECTION 3/4" **6**


FOR CONSTRUCTION ABOVE SEE 2/S115
8"
3'-0" MIN. LAP
SANDBLAST
0'-0"
#4 x 4'-6" DOWELS @ 16" o.c. CENTERED ON WALL
2" CLR
#5 @ 18" O.C.
SEE FDN. PLAN FOR REINF.
SEE FDN PLAN FOR BOT. OF FTG. ELEV.
ALTERNATE BAR BEND
#6 @ 12" O.C.
3" CLR TYP.
4'-0"
4'-0"

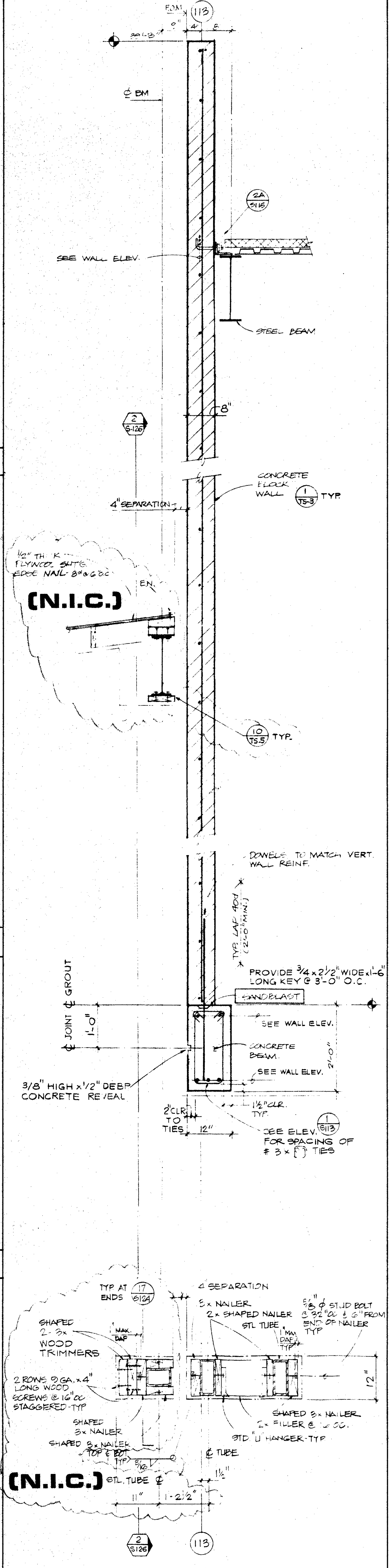
SECTION 3/4" **8**


SKEWED CONC. MASONRY WALL
CONC. MASONRY WALL
2 x 4 CEILING JOISTS @ 16" O.C. W/ SIMPSON "LB" JOIST HANGER AT EA. END
3 x 4 LEDGER TYP.
3-#6 CONT.
3/4" ϕ A BOLTS @ 32" O.C. & 8" FROM END, TYP.

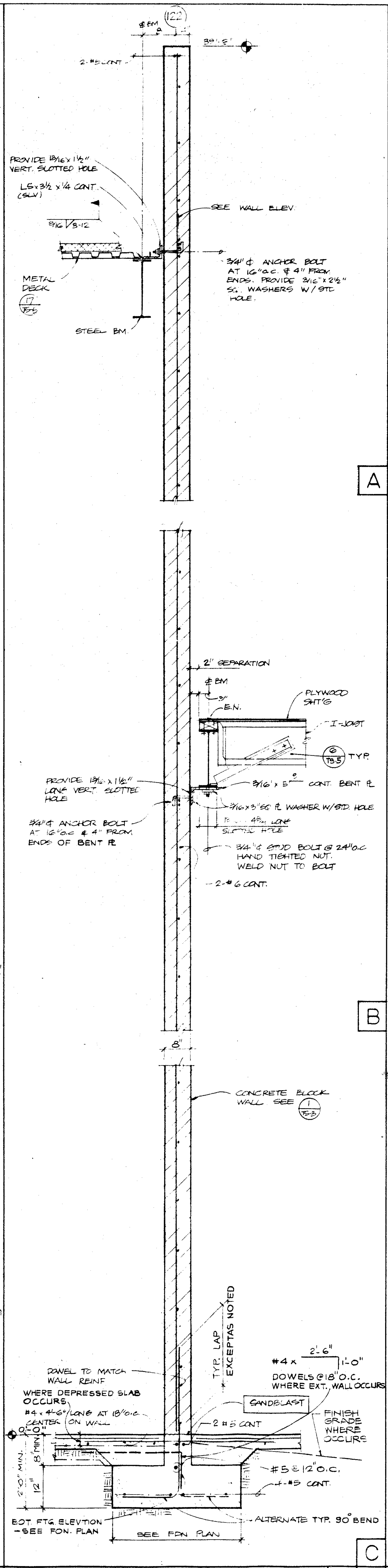
SECTION 3/4" **5**


113
2'-0"
4-#10 VERT.
#5 ADDED
#4 x 1' @ 18" O.C.
4-#10 VERT
#4 TIES
STEEL COL.
℄ STL. COL.
2/T5-3
4 3/4"
1'-0"
3/4"
2'-0" NOM.
D
2/T5-3
#5 x 24 @ 24" O.C.
ADDED #5
3-#10 VERT.
#4 TIES
STL. COL.
5-#10 VERT.
#5 x 24 @ 24" o.c.
ADDED #5
℄ STL. COL.
1'-0"
C
#4 TIES
℄ STEEL COL. & PILASTER
4-#10 VERT.
8" NOM.
4 3/4
TS COLUMN
2'-4"
4-#10 VERT.
℄ COL
3 1/4
1'-0"
2'-0"
NOM.
7/T53
B
MASONRY WALL 1/T53
#4 TIES FOR SPACING SEE 1/S115 TYP.
1-#10 EACH CORNER (4 TOTAL)
8" MAX.
℄ COL
OFFSET VERT REINF. ON GRID 122 TO CLR. STL. ℄ ABOVE
COVE
TYP. 3/4"
STEEL COLUMN
1'-0
2'-0" NOM.
A

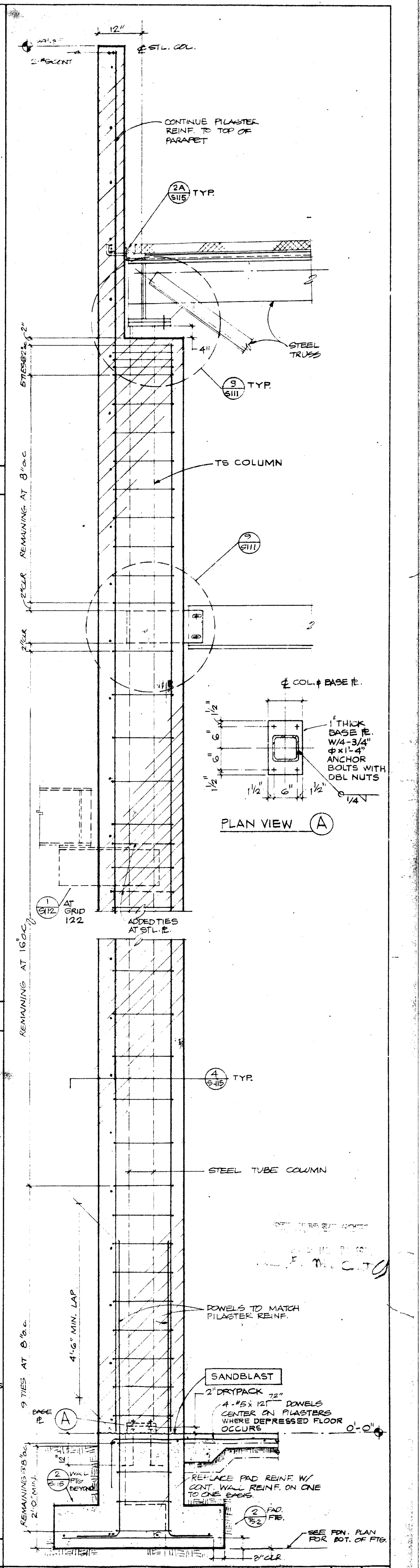
PILASTER PLAN SECTIONS 3/4" **4**


E.M. 113
℄ BM
SEE WALL ELEV.
2A/S116
STEEL BEAM
8"
2/S126
4" SEPARATION
CONCRETE BLOCK WALL 1/T5-3 TYP.
1/2" TH. K PLYWOOD SHT'G EDGE NAIL 8d @ 6" o.c.
E.N.
(N.I.C.)
10/T5-5 TYP.
DOWELS TO MATCH VERT. WALL REINF.
TYP. LAP 40 ϕ (2'-0" MIN.)
PROVIDE 3/4 x 2 1/2" WIDE x 1'-6" LONG KEY @ 3'-0" O.C.
SANDBLAST
℄ JOINT ℄ GROUT
1'-0"
SEE WALL ELEV.
CONCRETE BEAM.
SEE WALL ELEV.
3/8" HIGH x 1/2" DEEP CONCRETE REVEAL
2" CLR. TO TIES
12"
1 1/2" CLR. TYP.
SEE ELEV. 1/S113 FOR SPACING OF #3 x TIES
TYP AT ENDS 17/S124
4" SEPARATION
SHAPED 2-3x WOOD TRIMMERS
3x NAILER
2x SHAPED NAILER
STL TUBE
5/8" ϕ STUD BOLT @ 32" O.C. & 6" FROM END OF NAILER
2 ROWS 9 GA. x 4" LONG WOOD SCREWS @ 16" o.c. STAGGERED TYP
SHAPED 3x NAILER
SHAPED 2x NAILER
SHAPED 3x NAILER
2x FILLER @ 2" O.C.
STD "U" HANGER TYP
STL. TUBE
(N.I.C.)
1'-2 1/2"
2/S126
113

SECTION 3/4" **3**


℄ BM 122
2-#5 CONT.
PROVIDE 13/16 x 1 1/2" VERT. SLOTTED HOLE
L6 x 3 1/2 x 1/4 CONT. (SLV)
SEE WALL ELEV.
3/4" ϕ ANCHOR BOLT AT 16" O.C. & 4" FROM ENDS. PROVIDE 3/16 x 2 1/2" SQ. WASHERS W/ STD. HOLE
METAL DECK 17/S-5
STEEL BM
A
2" SEPARATION
℄ BM
E.N.
PLYWOOD SHT'G
I-JOIST
6/T5-5 TYP.
PROVIDE 13/16 x 1 1/2" LONG VERT. SLOTTED HOLE
3/16 x 5" CONT. BENT ℄
3/16 x 3" SQ ℄ WASHER W/ STD. HOLE
3/4" ϕ ANCHOR BOLT AT 16" O.C. & 4" FROM ENDS OF BENT ℄
3/4" ϕ STUD BOLT @ 24" O.C. HAND TIGHTEN NUT. WELD NUT TO BOLT
2-#6 CONT.
B
8"
CONCRETE BLOCK WALL SEE 1/T5-3
TYP. LAP EXCEPT AS NOTED
#4 x 2'-6" 1'-0"
DOWELS @ 18" O.C. WHERE EXT. WALL OCCURS
DOWEL TO MATCH WALL REINF.
WHERE DEPRESSED SLAB OCCURS #4 x 4'-6" LONG AT 18" O.C. CENTER ON WALL
SANDBLAST
2-#5 CONT
FINISH GRADE WHERE OCCURS
#5 @ 12" O.C.
4-#5 CONT.
2'-0" MIN.
BOT FTG ELEVATION - SEE FDN. PLAN
SEE FDN PLAN
ALTERNATE TYP. 90° BEND
C

SECTION 3/4" **2**

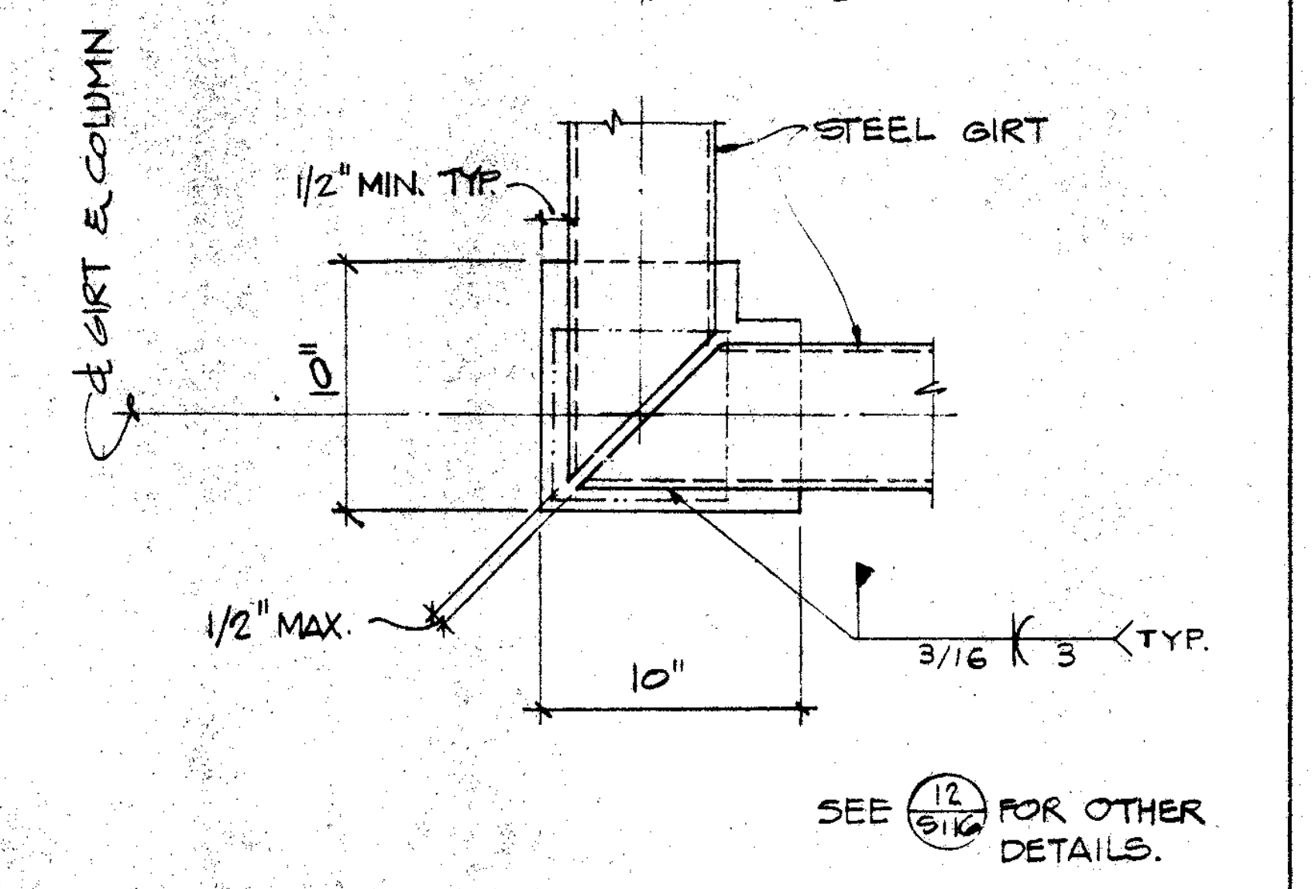

12"
℄ STL. COL.
2-#5 CONT.
CONTINUE PILASTER REINF. TO TOP OF PARAPET
2A/S115 TYP.
STEEL TRUSS
4"
9/S111 TYP.
TS COLUMN
9/S111
2'-0" LAP
REMAINING AT 8" O.C.
℄ COL. & BASE ℄
1" THICK BASE ℄ W/4-3/4" ϕ x 1'-4" ANCHOR BOLTS WITH DBL NUTS
1/4
PLAN VIEW A
1/S112 AT GRID 122
ADDED TIES AT STL. ℄
REMAINING AT 16" O.C.
4/S115 TYP.
STEEL TUBE COLUMN
DOWELS TO MATCH PILASTER REINF.
4'-6" MIN. LAP
SANDBLAST
2" DRYPACK
4-#5 x 12" DOWELS CENTER ON PILASTERS WHERE DEPRESSED FLOOR OCCURS
0'-0"
A
REPLACE PAD REINF. W/ CONT. WALL REINF. ON ONE TO ONE BASIS
2/S126 PAD FTG.
SEE FDN. PLAN FOR BOT. OF FTG.
2" CLR
REMAINING AT 8" O.C.
9 TIES AT 8" O.C.
2'-0" MIN.

TYP. MASONRY PILASTER ELEV. 3/4" **1**

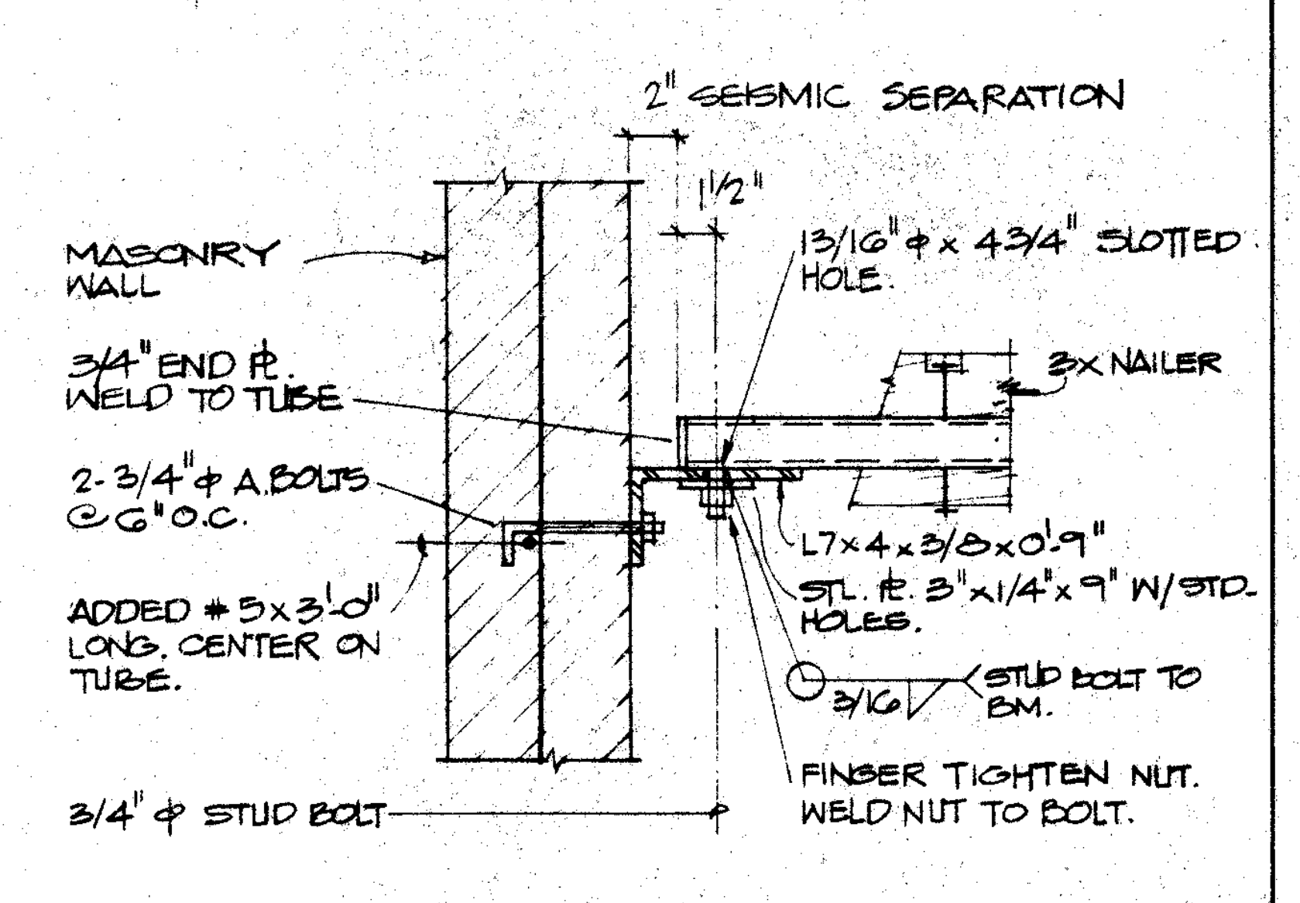
Drawn By MCL Checked By SRU Date MAR 1988 Commission No. 1 30.0C	Revisions △ 6-20-88 PHASING	Brandow & Johnston Assoc. Structural Engineers Mamoru E. Kanda	REGISTERED PROFESSIONAL ENGINEER MAMORU E. KANDA No. 956 EXP. 12-31-88 STATE OF CALIFORNIA	Architects Planners RUHNAU McGAVIN RUHNAU ASSOCIATES 3775 Tenth Street Riverside, CA 92501-3869 714/684-4664 5751 Palmer Way Suite C Carlsbad, CA 92008-1995 619/438-5899	ARCHITECT C-6497	West Hills High School Grossmont Union High School District San Diego, Ca San Diego County

GYMNASIUM - BLDG. No. 1 - PART A
SECTIONS

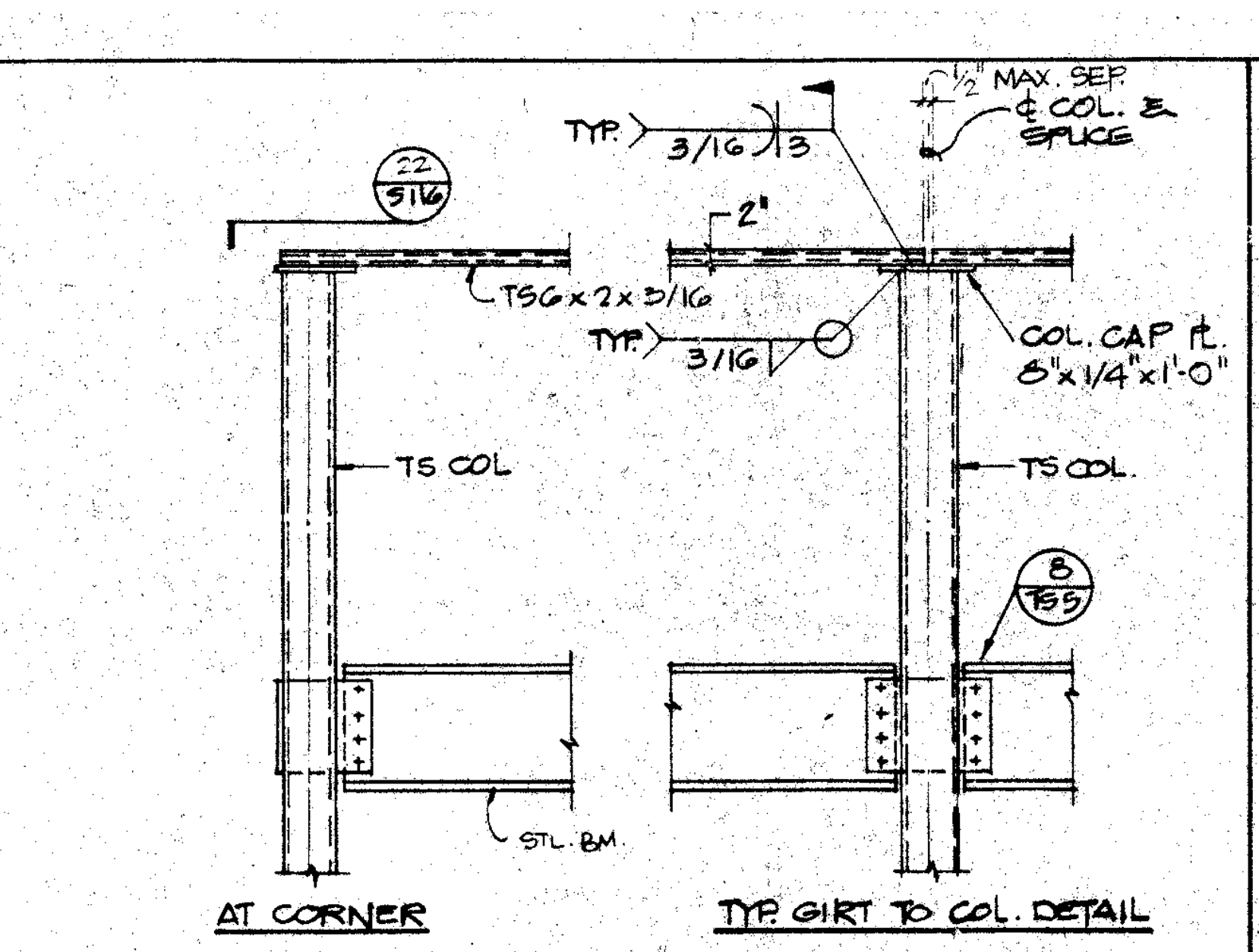
Sheet Number
S-115
Of Sheets


℄ GIRT & COLUMN
℄ GIRT & COLUMN
STEEL GIRT
1/2" MIN. TYP.
10"
10"
1/2" MAX.
3/16 3 TYP.
SEE 12/S116 FOR OTHER DETAILS.

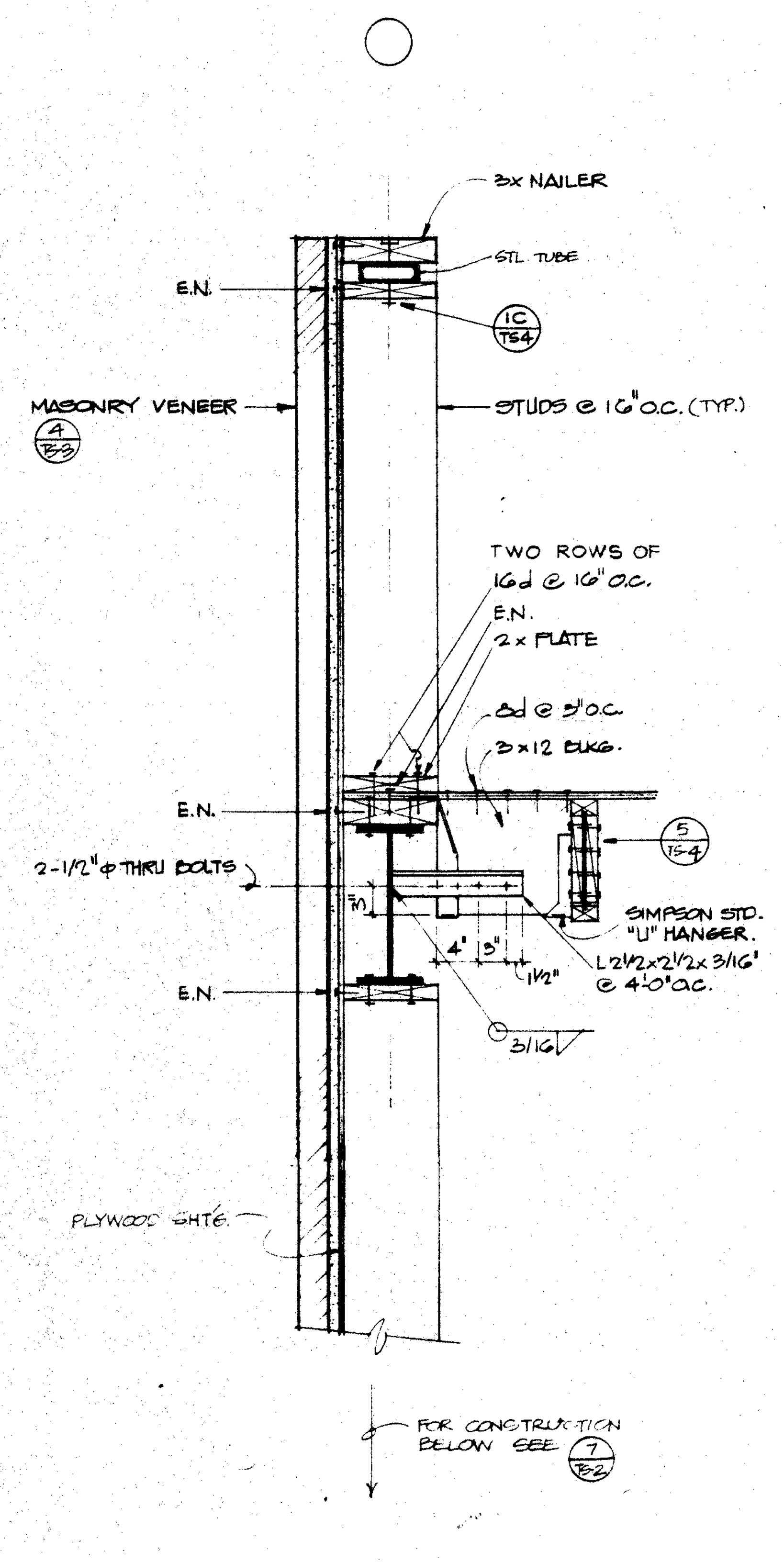
PLAN DETAIL 1½" 22


2" SEISMIC SEPARATION
1½"
MASONRY WALL
13/16" ϕ x 4 3/4" SLOTTED HOLE.
3x NAILER
3/4" END ℔. WELD TO TUBE
2-3/4" ϕ A.BOLTS @6" O.C.
L7x4x3/8x0'-9"
STL. ℔. 3"x1/4"x9" W/STD. HOLES.
ADDED #5x3'-0" LONG. CENTER ON TUBE.
3/16 STUD BOLT TO BM.
FINGER TIGHTEN NUT. WELD NUT TO BOLT.
3/4" ϕ STUD BOLT

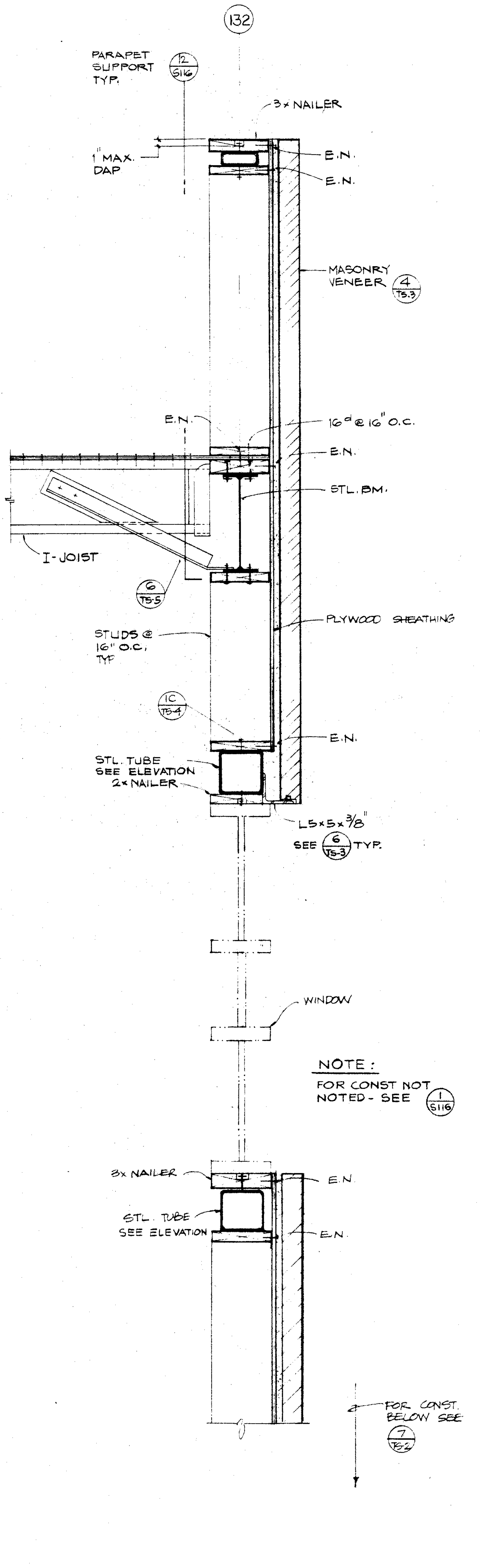
DETAIL 1½" 17


TYP. 3/16 3
½" MAX. SEP.
℄ COL. & SPLICE
22/S116
2"
TS6x2x3/16
TYP. 3/16
COL. CAP ℔. 8"x1/4"x1'-0"
TS COL
TS COL.
8/TS5
STL. BM.
AT CORNER
TYP. GIRT TO COL. DETAIL

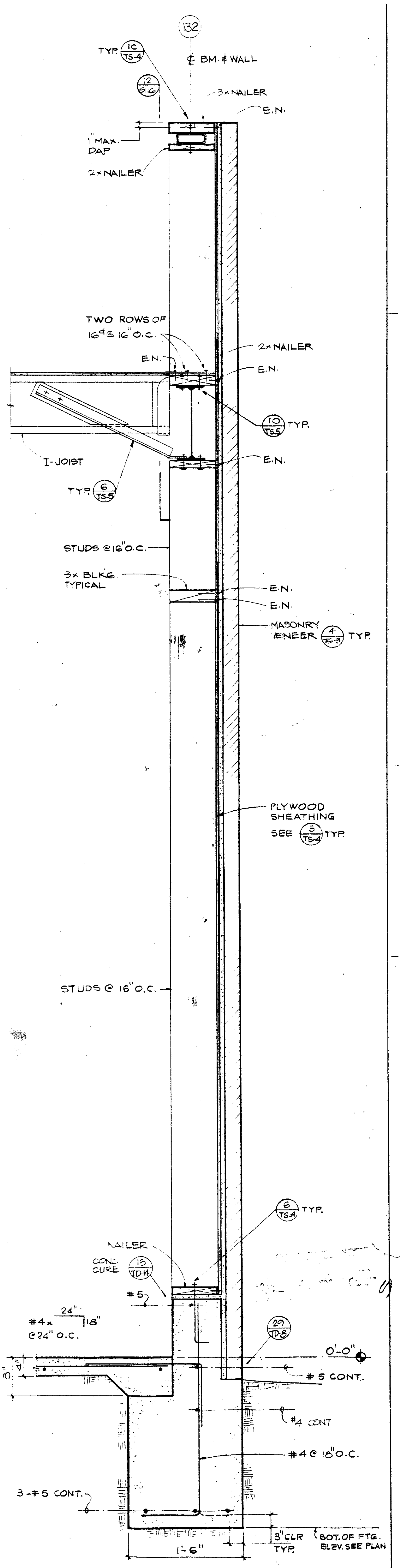
ELEVATION 1/2" 12


3x NAILER
STL. TUBE
E.N.
1C/TS4
MASONRY VENEER 4/TS3
STUDS @ 16" O.C. (TYP.)
TWO ROWS OF 16d @ 16" O.C.
E.N.
2x PLATE
8d @ 3" O.C.
3x12 BLKG.
E.N.
5/TS-4
2-1/2" ϕ THRU BOLTS
SIMPSON STD. "U" HANGER.
L2½x2½x3/16" @ 4'-0" O.C.
4" 3" 1½"
E.N.
3/16
PLYWOOD SHT'G.
FOR CONSTRUCTION BELOW SEE 7/TS2

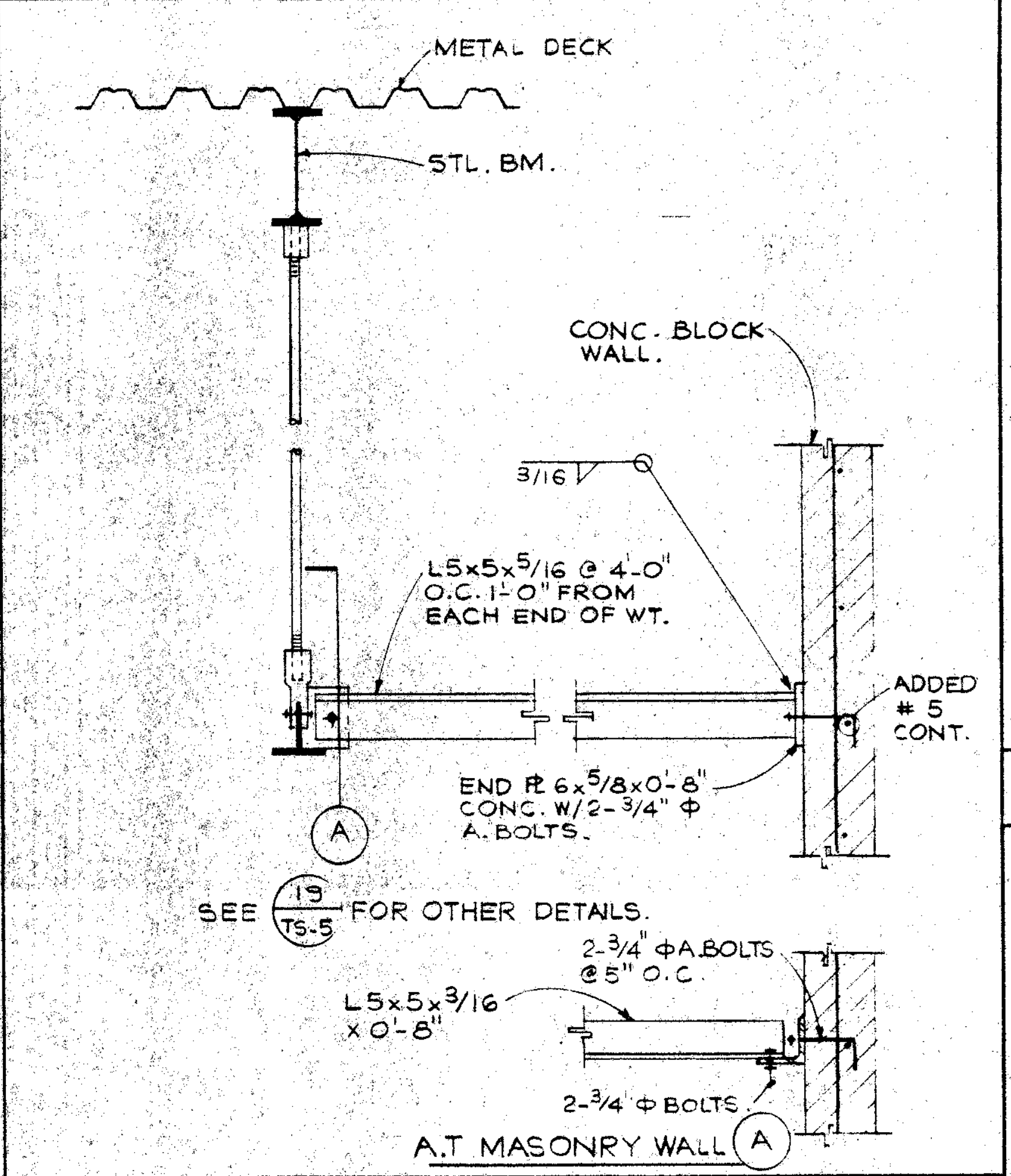
SECTION 1" 7


132
PARAPET SUPPORT TYP. 12/S16
3x NAILER
1" MAX. DAP
E.N.
E.N.
MASONRY VENEER 4/TS.3
E.N.
16d @ 16" O.C.
E.N.
STL. BM.
I-JOIST
6/TS-5
PLYWOOD SHEATHING
STUDS @ 16" O.C. TYP
1C/TS-4
E.N.
STL. TUBE SEE ELEVATION 2x NAILER
L5x5x3/8" SEE 6/TS-3 TYP.
WINDOW
NOTE: FOR CONST NOT NOTED - SEE 1/S116
3x NAILER
E.N.
STL. TUBE SEE ELEVATION
E.N.
FOR CONST. BELOW SEE 7/TS-2

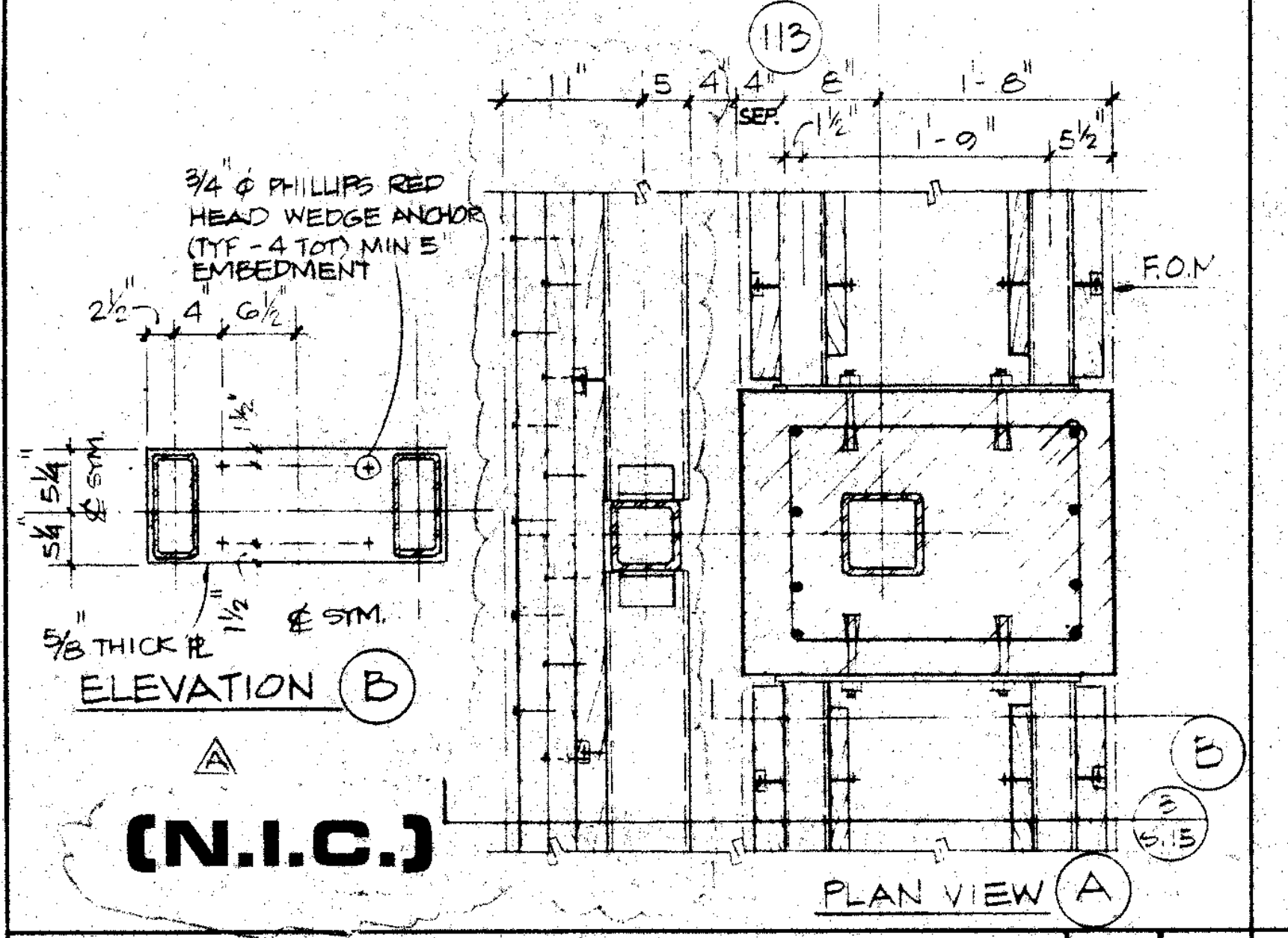
SECTION 1" 3


132
TYP. 1C/TS-4
℄ BM. & WALL
12/S16
3x NAILER
E.N.
1" MAX. DAP
2x NAILER
TWO ROWS OF 16d @ 16" O.C.
E.N.
2x NAILER
E.N.
10/TS.5 TYP.
E.N.
I-JOIST
TYP. 6/TS5
STUDS @ 16" O.C.
3x BLKG. TYPICAL
E.N.
E.N.
MASONRY VENEER 4/TS-3 TYP.
PLYWOOD SHEATHING SEE 3/TS-3 TYP.
STUDS @ 16" O.C.
6/TS4 TYP.
NAILER
CONC CURE 13/TD-14
#5
#4x 24" 18" @24" O.C.
29/TD-8
0'-0"
8" 4"
#5 CONT.
#4 CONT
#4 @ 18" O.C.
3-#5 CONT.
3" CLR TYP.
BOT. OF FTG. ELEV. SEE PLAN
1'-6"

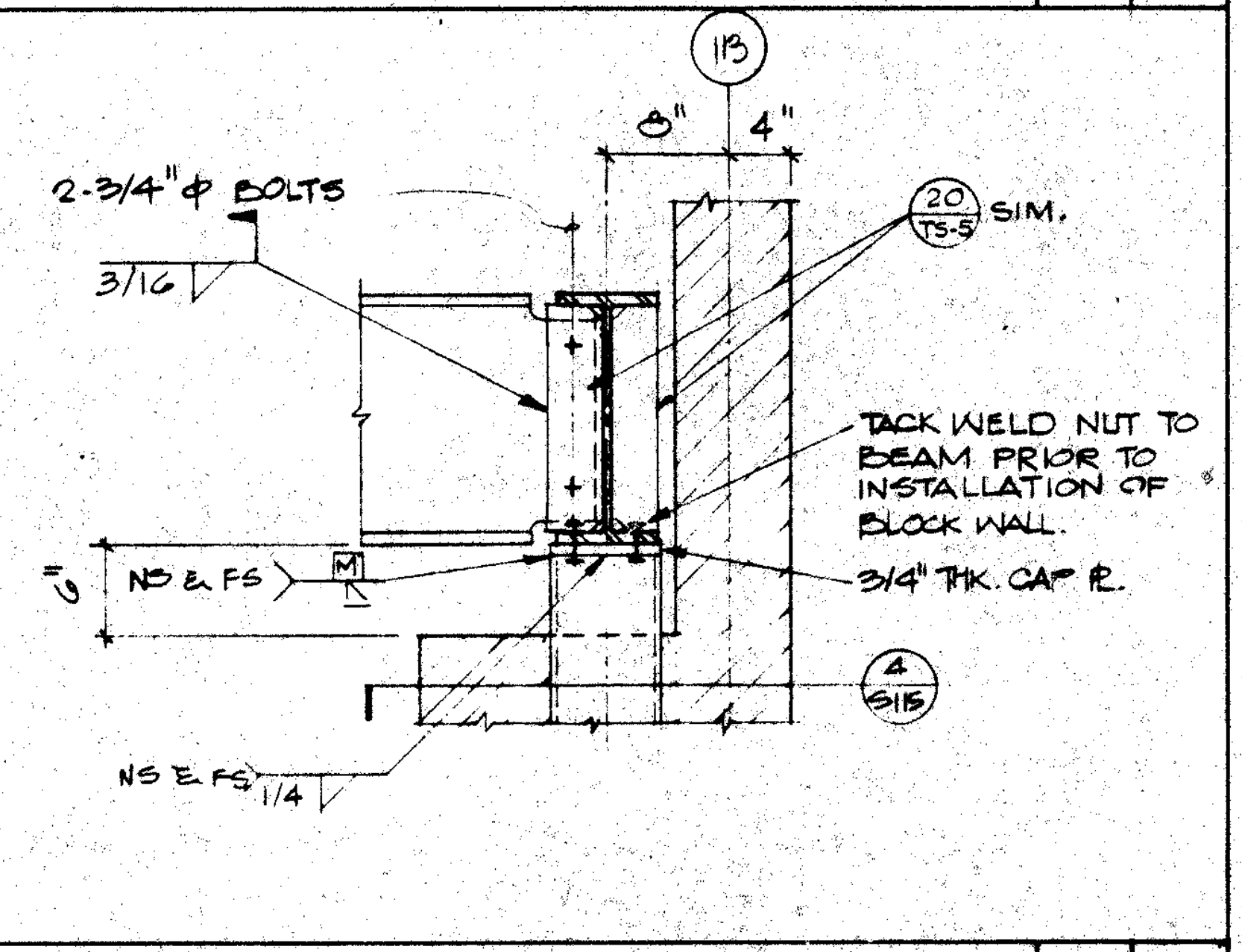
SECTION 1" 1


METAL DECK
STL. BM.
CONC. BLOCK WALL.
3/16
L5x5x5/16 @ 4'-0" O.C. 1'-0" FROM EACH END OF WT.
ADDED #5 CONT.
END ℔ 6x5/8x0'-8" CONC. W/2-3/4" ϕ A. BOLTS.
A
SEE 19/TS-5 FOR OTHER DETAILS.
2-3/4" ϕ A.BOLTS @5" O.C.
L5x5x3/16 x 0'-8"
2-3/4" ϕ BOLTS
A.T MASONRY WALL A

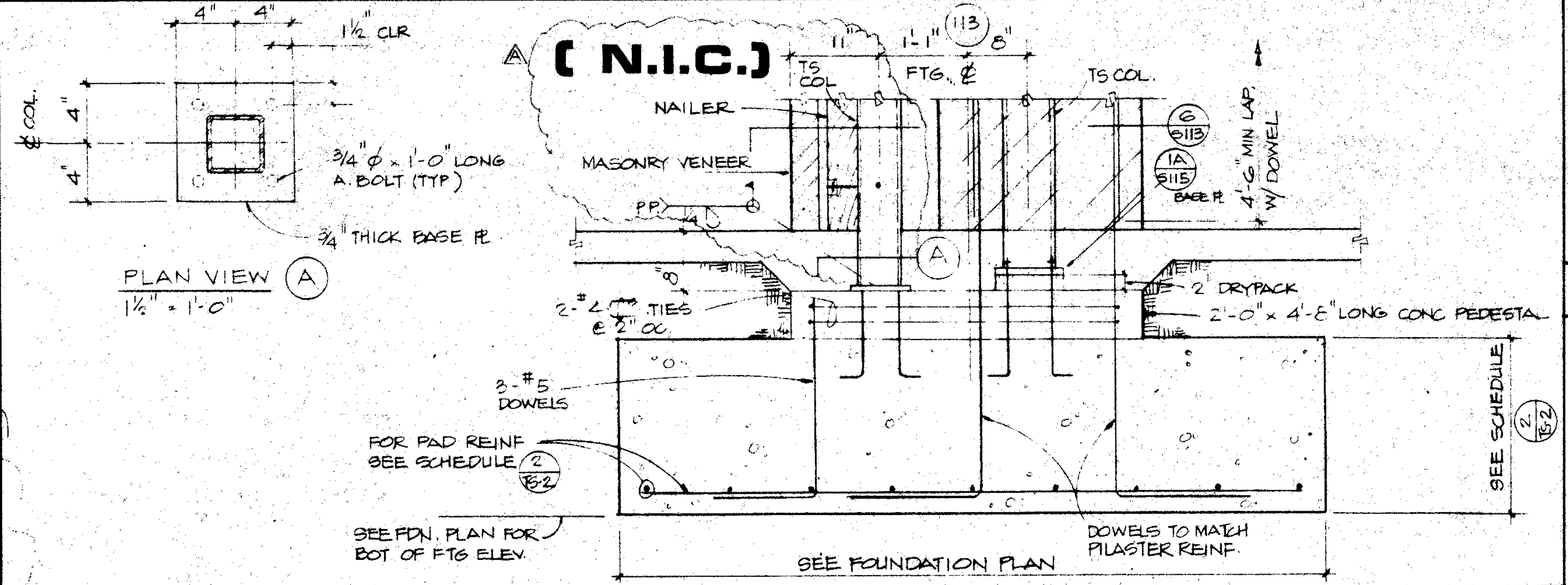
DETAIL 23


113
11" 5 4 4" 8" 1'-8"
SEP. 1½" 1'-9" 5½"
3/4" ϕ PHILLIPS RED HEAD WEDGE ANCHOR (TYP - 4 TOT) MIN 5" EMBEDMENT
2½" 4 6½"
5¼ 5¼ ℄ SYM.
1½
5/8 THICK ℔
℄ SYM.
ELEVATION B
F.O.M.
B
3/S.15
(N.I.C.)
PLAN VIEW A

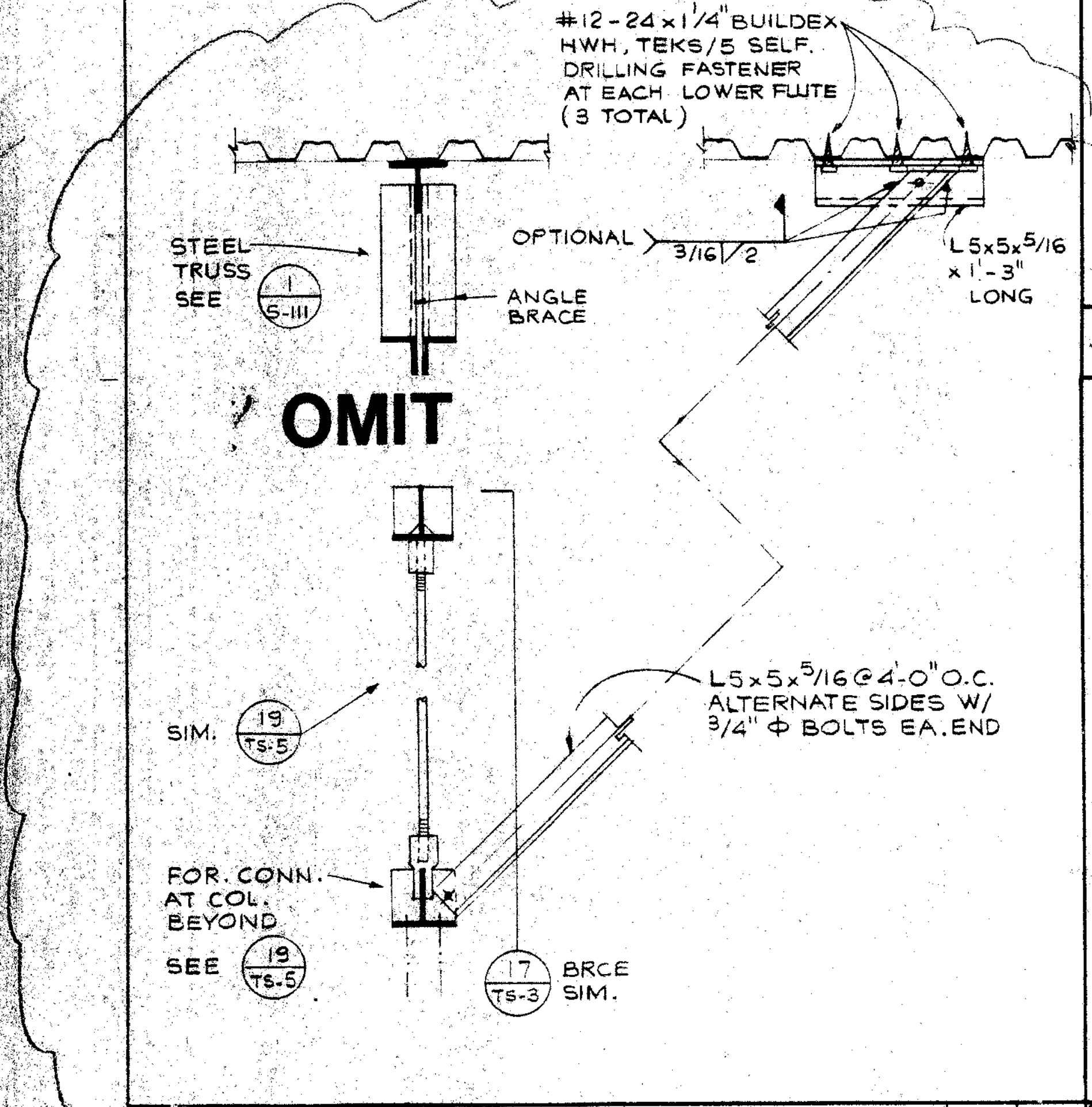
DETAIL 3/4" 16


113
8" 4"
2-3/4" ϕ BOLTS
3/16
20/TS-5 SIM.
TACK WELD NUT TO BEAM PRIOR TO INSTALLATION OF BLOCK WALL.
NS & FS
M
3/4" THK. CAP ℔.
6"
4/S115
NS & FS 1/4

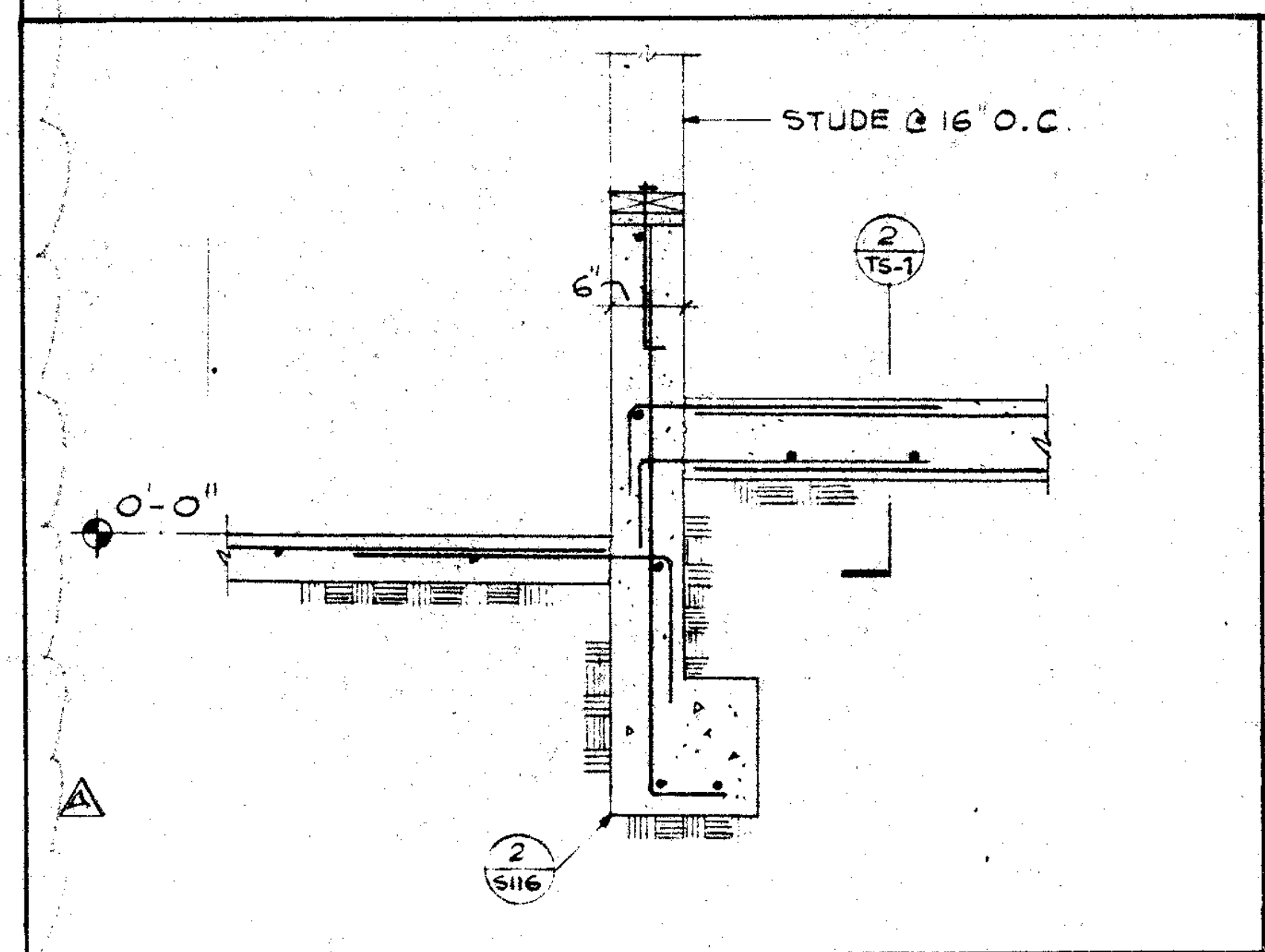
DETAIL 1" 11


4" 4"
1½" CLR
℄ COL.
4" 4"
3/4" ϕ x 1'-0" LONG A. BOLT (TYP)
3/4" THICK BASE ℔
PLAN VIEW A
1½" = 1'-0"
(N.I.C.)
TS COL
11" 1'-1" 113 8"
FTG. ℄
TS COL.
NAILER
MASONRY VENEER
6/S113
1A/S115 BASE ℔
4'-6" MIN LAP W/ DOWEL
PP
A
8"
2" DRYPACK
2-#4 TIES @ 2" OC
2'-0" x 4'-8" LONG CONC PEDESTAL
3-#5 DOWELS
FOR PAD REINF SEE SCHEDULE 2/TS-2
SEE SCHEDULE 2/TS-2
SEE FDN. PLAN FOR BOT OF FTG ELEV.
DOWELS TO MATCH PILASTER REINF.
SEE FOUNDATION PLAN

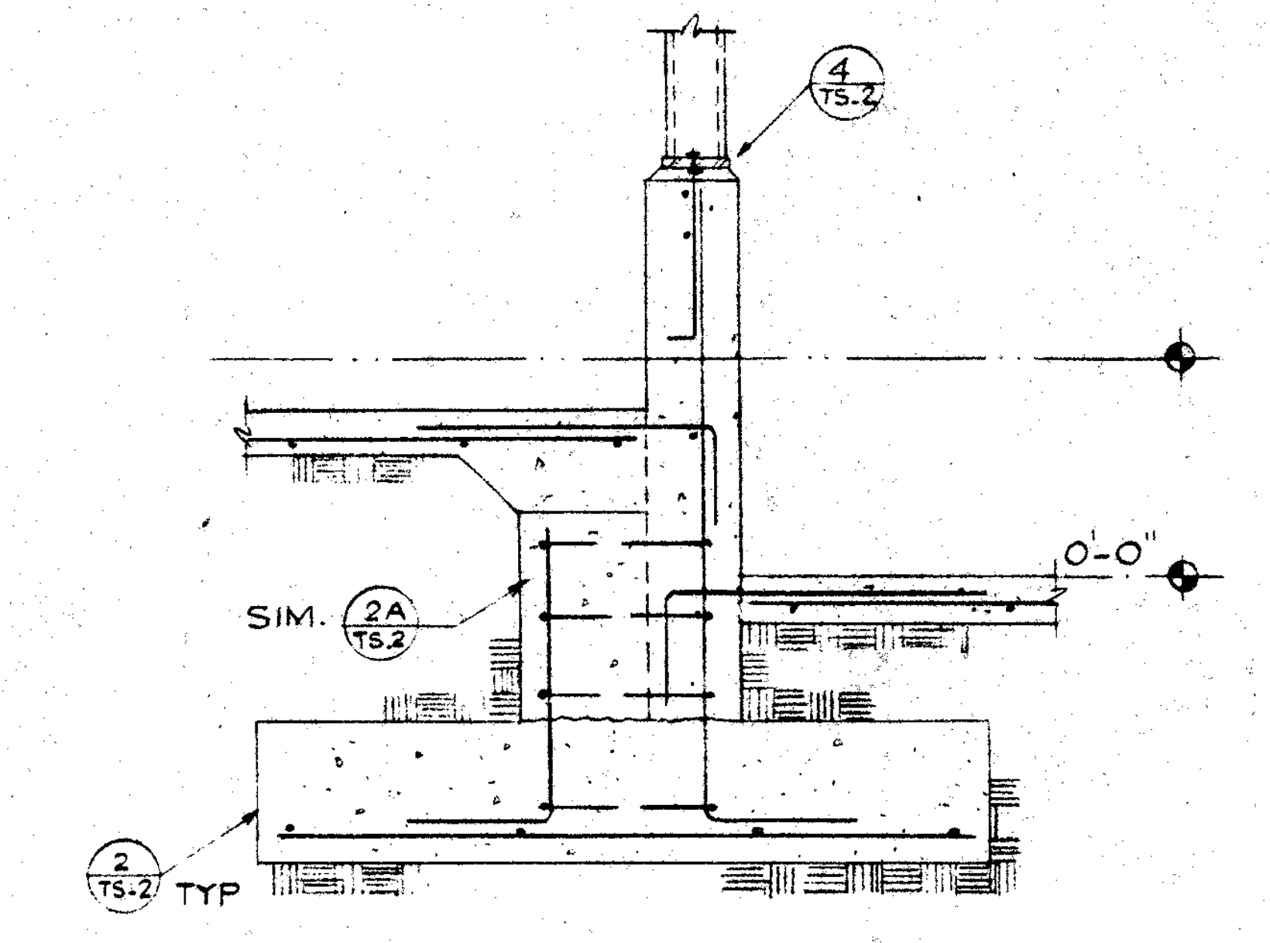
DETAIL 3/4" 10


#12-24x1 1/4" BUILDEX HWH, TEKS/5 SELF. DRILLING FASTENER AT EACH LOWER FLUTE (3 TOTAL)
STEEL TRUSS SEE 1/S-111
ANGLE BRACE
OPTIONAL 3/16 2
L5x5x5/16 x 1'-3" LONG
OMIT
L5x5x5/16 @ 4'-0" O.C. ALTERNATE SIDES W/ 3/4" ϕ BOLTS EA. END
SIM. 19/TS-5
FOR. CONN. AT COL. BEYOND SEE 19/TS-5
17/TS-3 BRCE SIM.

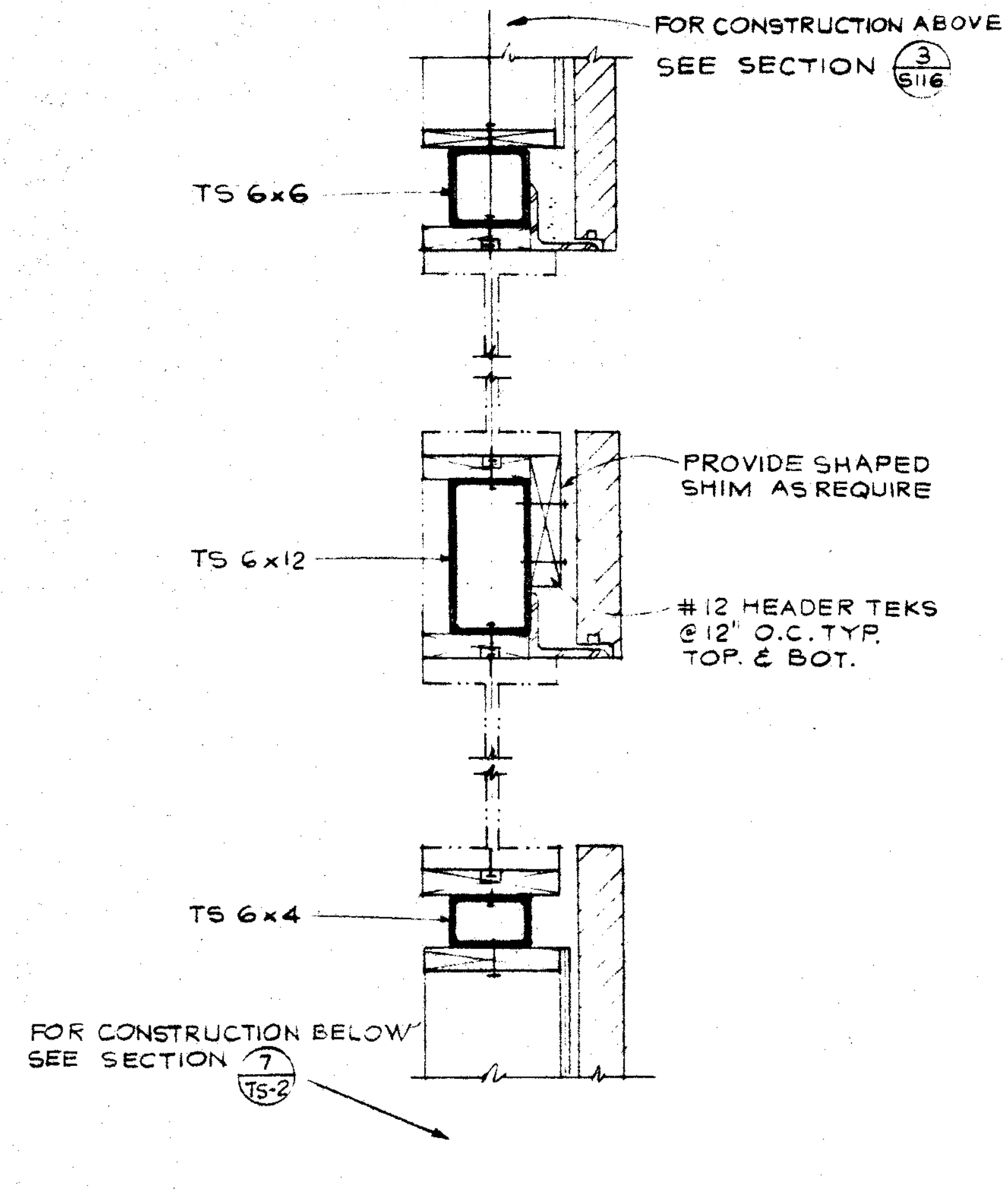
DETAIL 24


STUDE @ 16" O.C.
2/TS-1
6"
0'-0"
2/S116

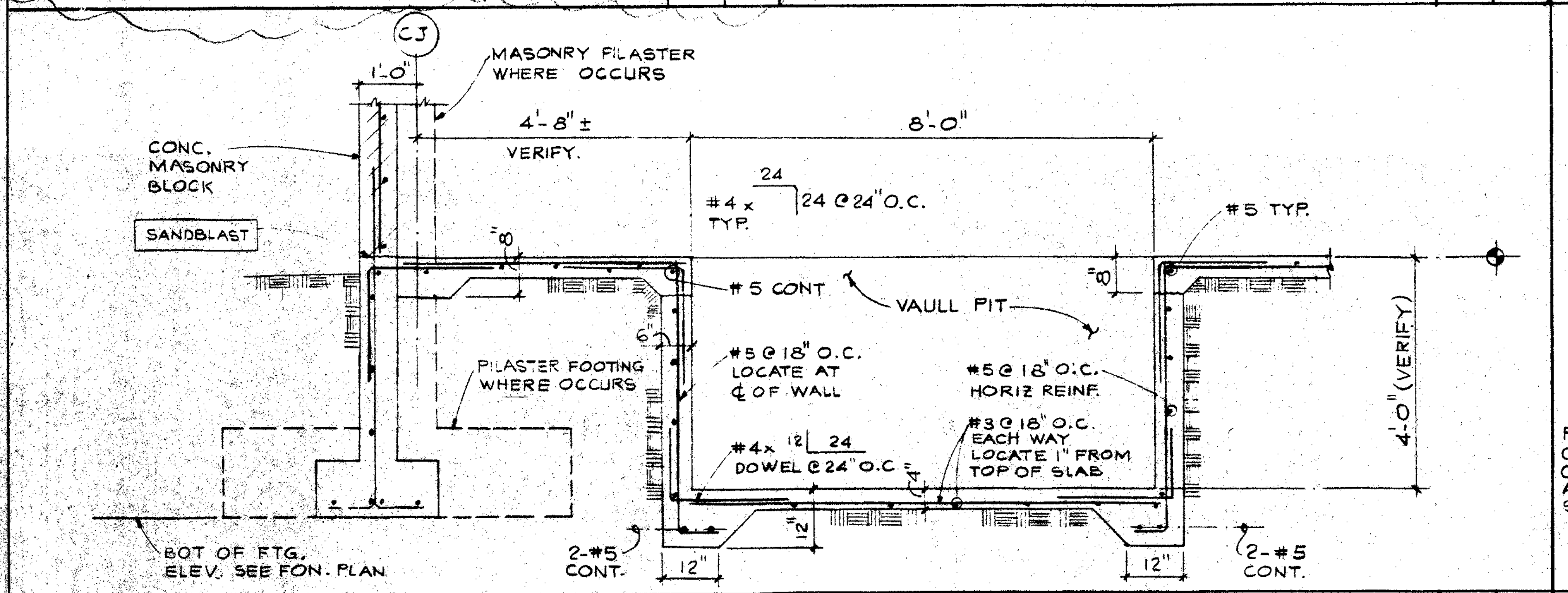
SECTION 3/4" 14


4/TS.2
0'-0"
SIM. 2A/TS.2
2/TS-2 TYP

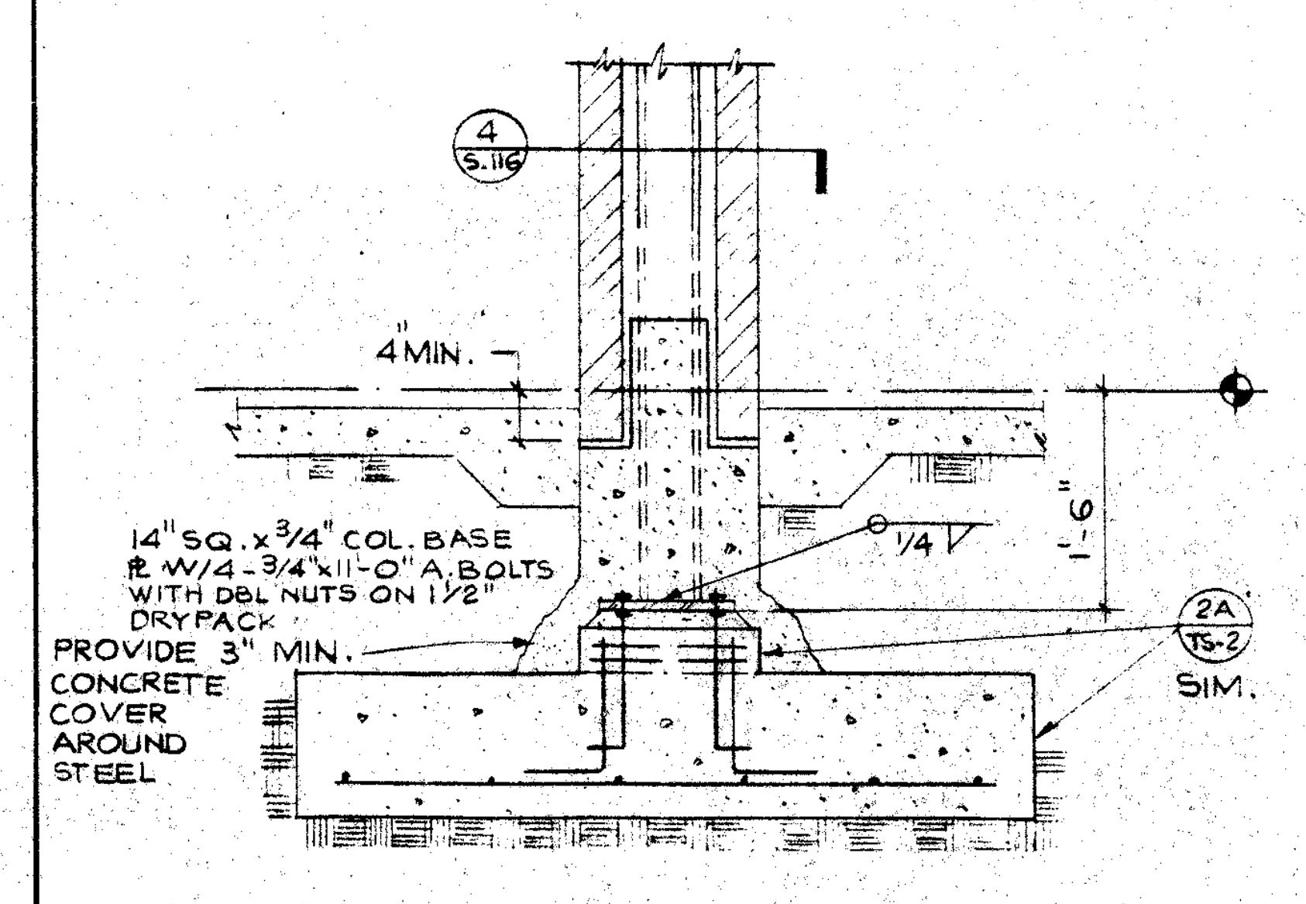
DETAIL 3/4" 9


FOR CONSTRUCTION ABOVE SEE SECTION 3/S116
TS 6x6
PROVIDE SHAPED SHIM AS REQUIRE
TS 6x12
#12 HEADER TEKS @12" O.C. TYP. TOP. & BOT.
TS 6x4
FOR CONSTRUCTION BELOW SEE SECTION 7/TS-2

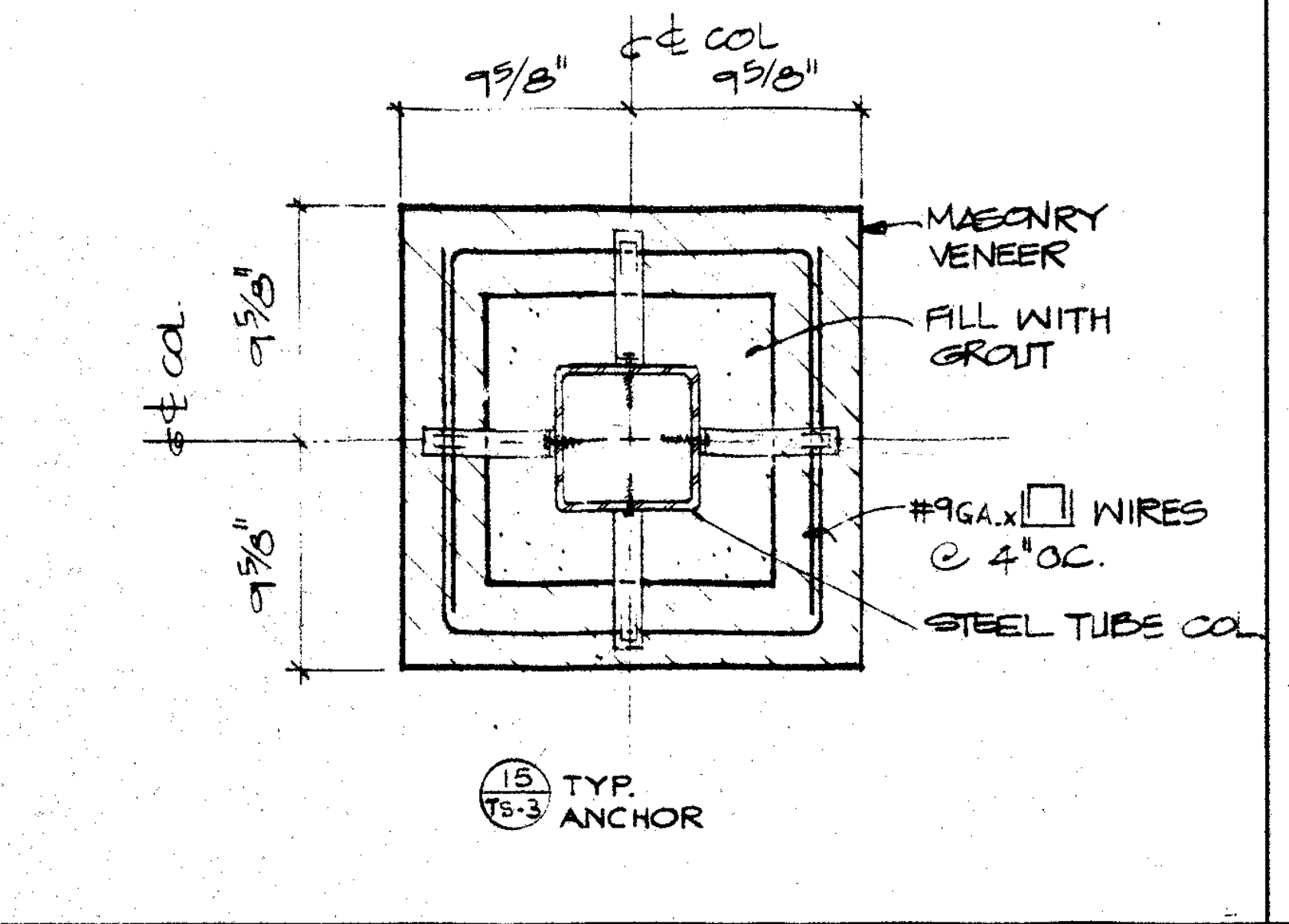
SECTION 1" 5


CJ
1'-0"
MASONRY PILASTER WHERE OCCURS
4'-8" ± VERIFY.
8'-0"
CONC. MASONRY BLOCK
SANDBLAST
#4 x 24 24 @ 24" O.C. TYP.
#5 TYP.
8"
#5 CONT
VAULT PIT
8"
6"
PILASTER FOOTING WHERE OCCURS
#5 @ 18" O.C. LOCATE AT ℄ OF WALL
#5 @ 18" O.C. HORIZ REINF.
4'-0" (VERIFY)
#4x 12 24 DOWEL @ 24" O.C.
4"
#3 @ 18" O.C. EACH WAY LOCATE 1" FROM TOP OF SLAB.
12"
BOT OF FTG. ELEV. SEE FDN. PLAN
2-#5 CONT.
12"
12"
2-#5 CONT.

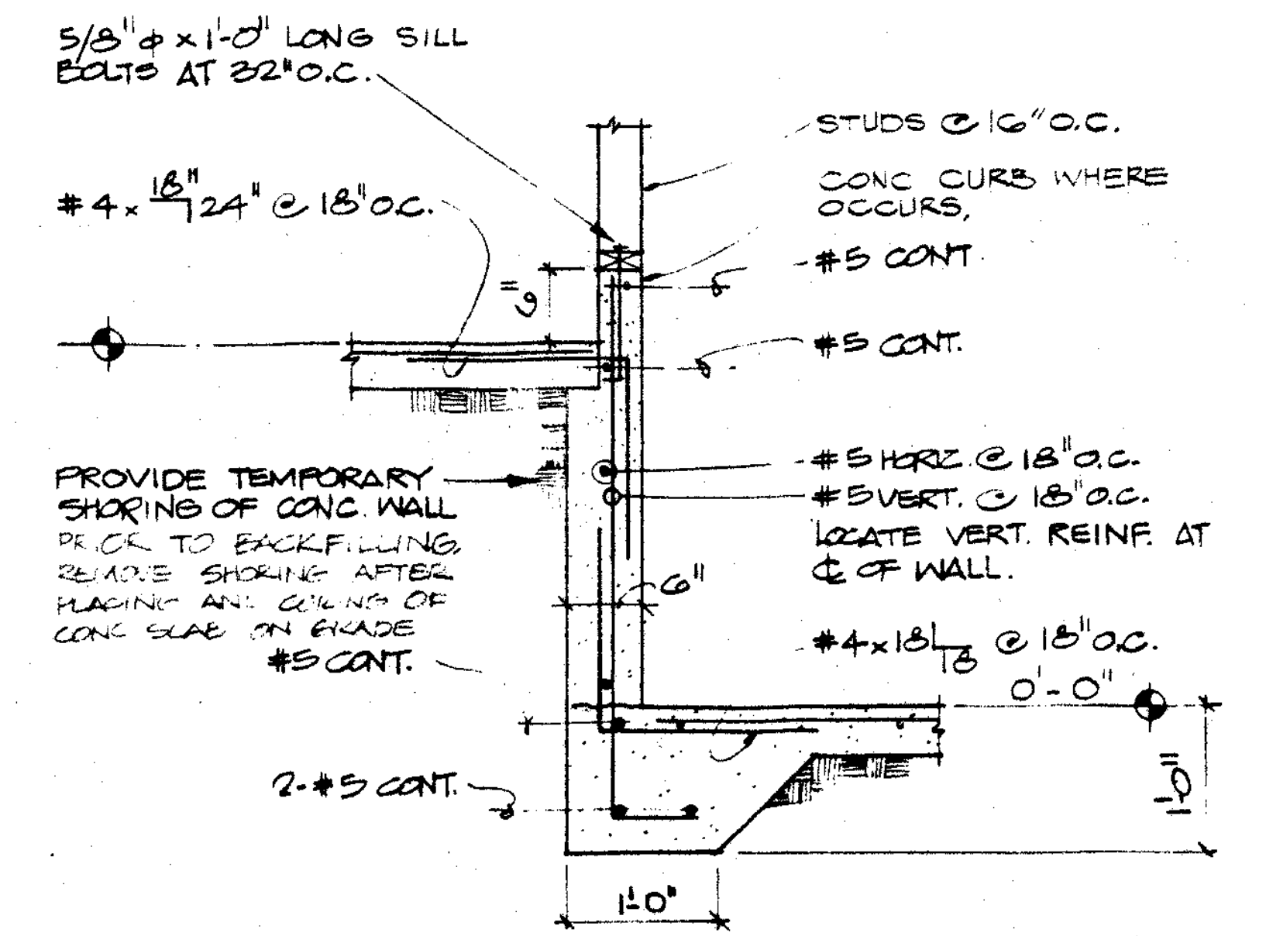
SECTION 1/2" 13


4/S.116
4" MIN.
1'-6"
1/4
14" SQ. x 3/4" COL. BASE ℔ W/4-3/4" x 1'-0" A.BOLTS WITH DBL NUTS ON 1 1/2" DRYPACK
PROVIDE 3" MIN. CONCRETE COVER AROUND STEEL
2A/TS-2 SIM.

3/4" 8


℄ COL
9 5/8" 9 5/8"
℄ COL.
9 5/8"
9 5/8"
MASONRY VENEER
FILL WITH GROUT
#9GA. x ☐ WIRES @ 4" O.C.
STEEL TUBE COL.
15/TS-3 TYP. ANCHOR

PLAN DETAIL 1½" 4


5/8" ϕ x 1'-0" LONG SILL BOLTS AT 32" O.C.
STUDS @ 16" O.C.
CONC CURB WHERE OCCURS,
#4 x 18" 24" @ 18" O.C.
9"
#5 CONT
#5 CONT.
PROVIDE TEMPORARY SHORING OF CONC. WALL PRIOR TO BACKFILLING. REMOVE SHORING AFTER PLACING AND CURING OF CONC SLAB ON GRADE
#5 CONT.
#5 HORIZ. @ 18" O.C.
#5 VERT. @ 18" O.C.
LOCATE VERT. REINF. AT ℄ OF WALL.
6"
#4x18 18 @ 18" O.C.
0'-0"
2-#5 CONT.
1'-0"
1'-0"

SECTION 3/4" 2

Drawn By: MN
Checked By: SRU
Date: MAR. 1988
Commission No. 1.30 02

Revisions
△A 6-29-88 PHASING

Brandow & Johnston Assoc.
Structural Engineers
Mamoru E. Kanda

MAMORU E. KANDA
No. 955
EXP. 12-31-88

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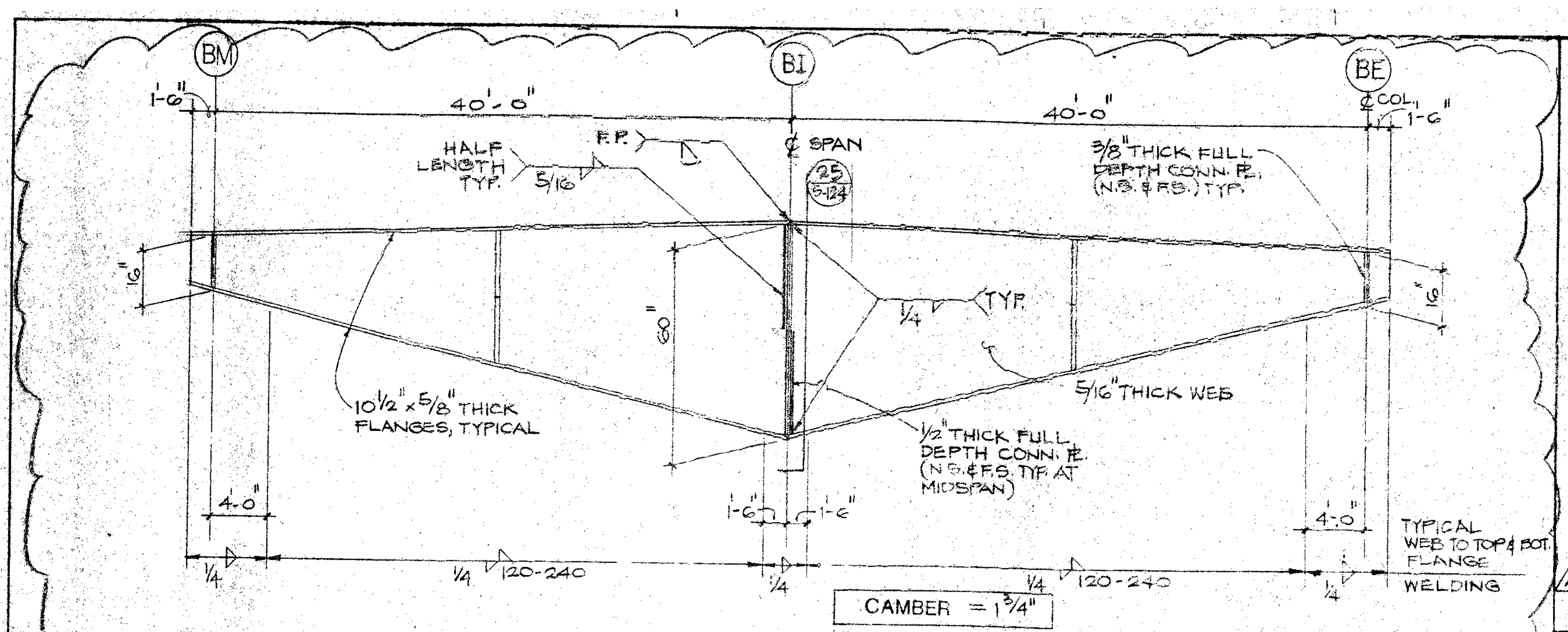
C-6497

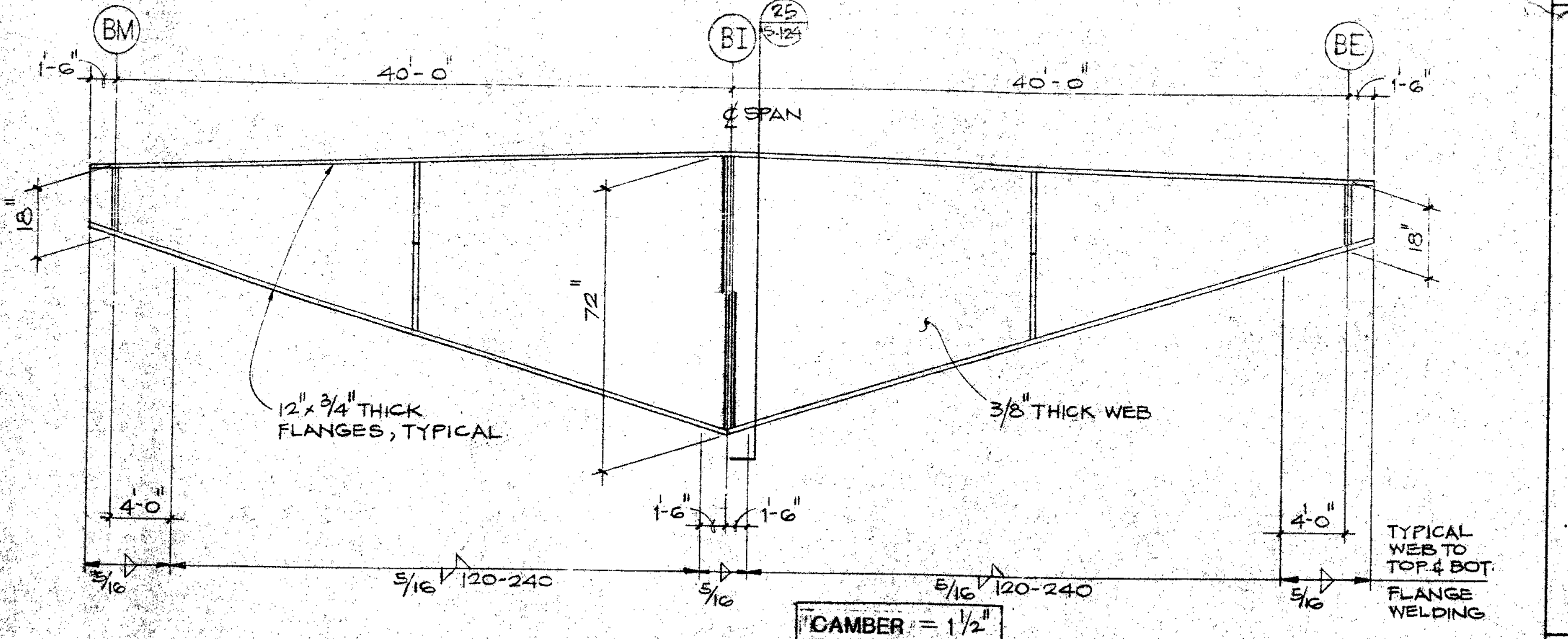
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

GYMNASIUM – BLDG. No. 1 – PART A
SECTIONS AND DETAILS

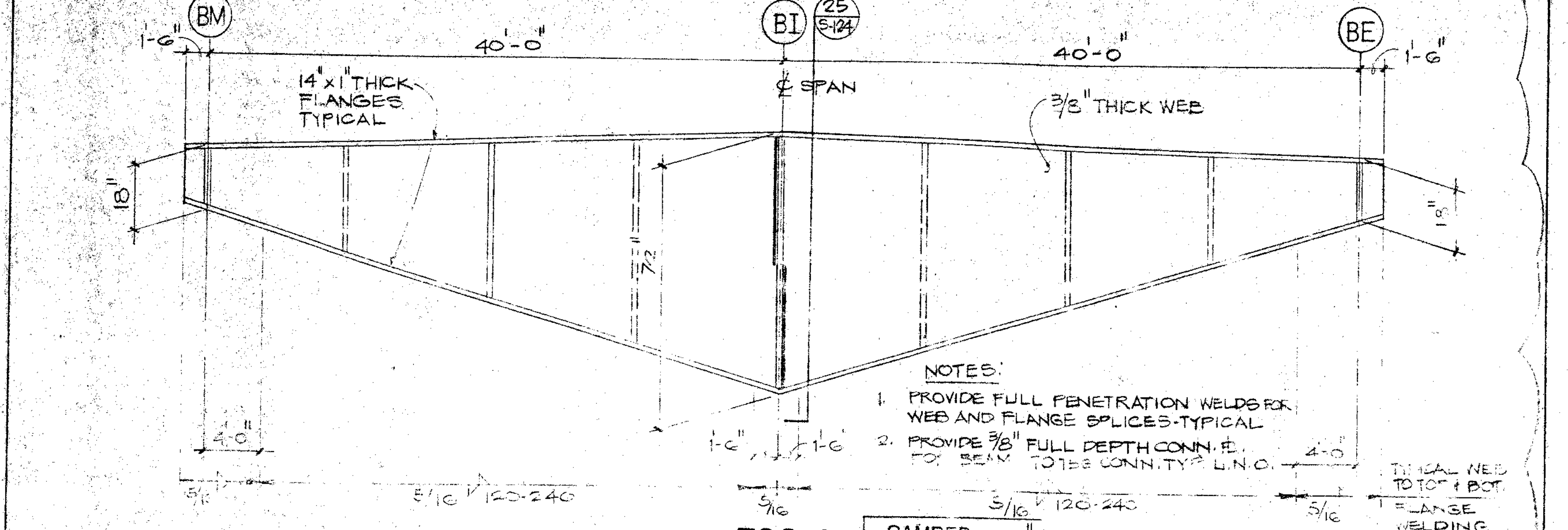
Sheet Number
S-116
Of Sheets


BM
BI
BE
1'-6"
40'-0"
40'-0"
1'-6"
℄ COL
HALF LENGTH TYP.
5/16
F.P.
℄ SPAN
25 S-124
3/8" THICK FULL DEPTH CONN. PL. (N.S. & F.S.) TYP.
18"
60"
1/4 TYP.
10 1/2 x 5/8" THICK FLANGES, TYPICAL
1/2" THICK FULL DEPTH CONN. PL. (N.S. & F.S.) TYP. AT MIDSPAN
5/16" THICK WEB
4'-0"
1'-6"
1'-6"
4'-0"
TYPICAL WEB TO TOP & BOT. FLANGE WELDING
1/4 120-240
CAMBER = 1 3/4"

TSG-1

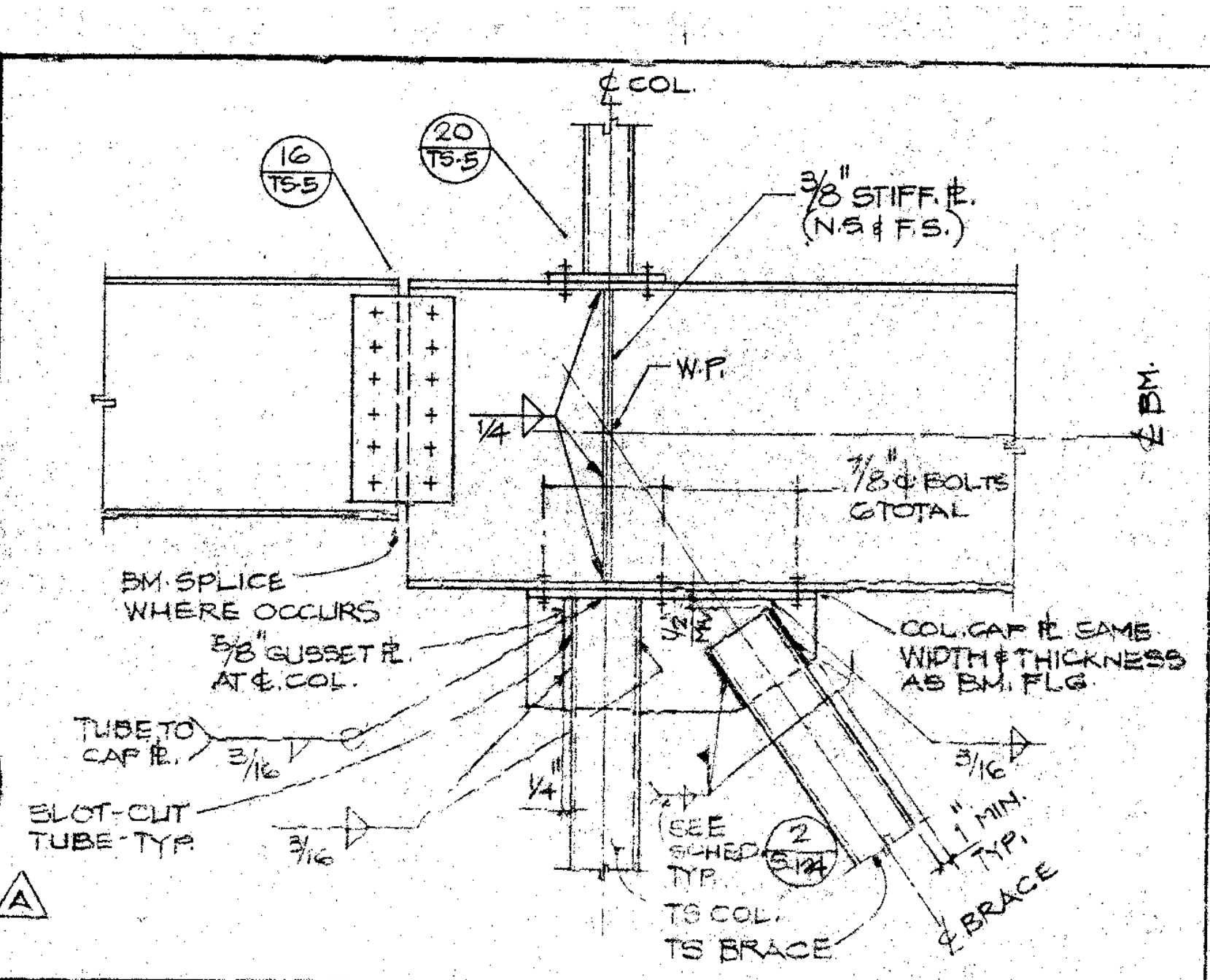

BM
BI
BE
25 S-124
1'-6"
40'-0"
40'-0"
1'-6"
℄ SPAN
18"
72"
18"
12" x 3/4" THICK FLANGES, TYPICAL
3/8" THICK WEB
4'-0"
1'-6"
1'-6"
4'-0"
TYPICAL WEB TO TOP & BOT. FLANGE WELDING
5/16 120-240
CAMBER = 1 1/2"

TSG-2

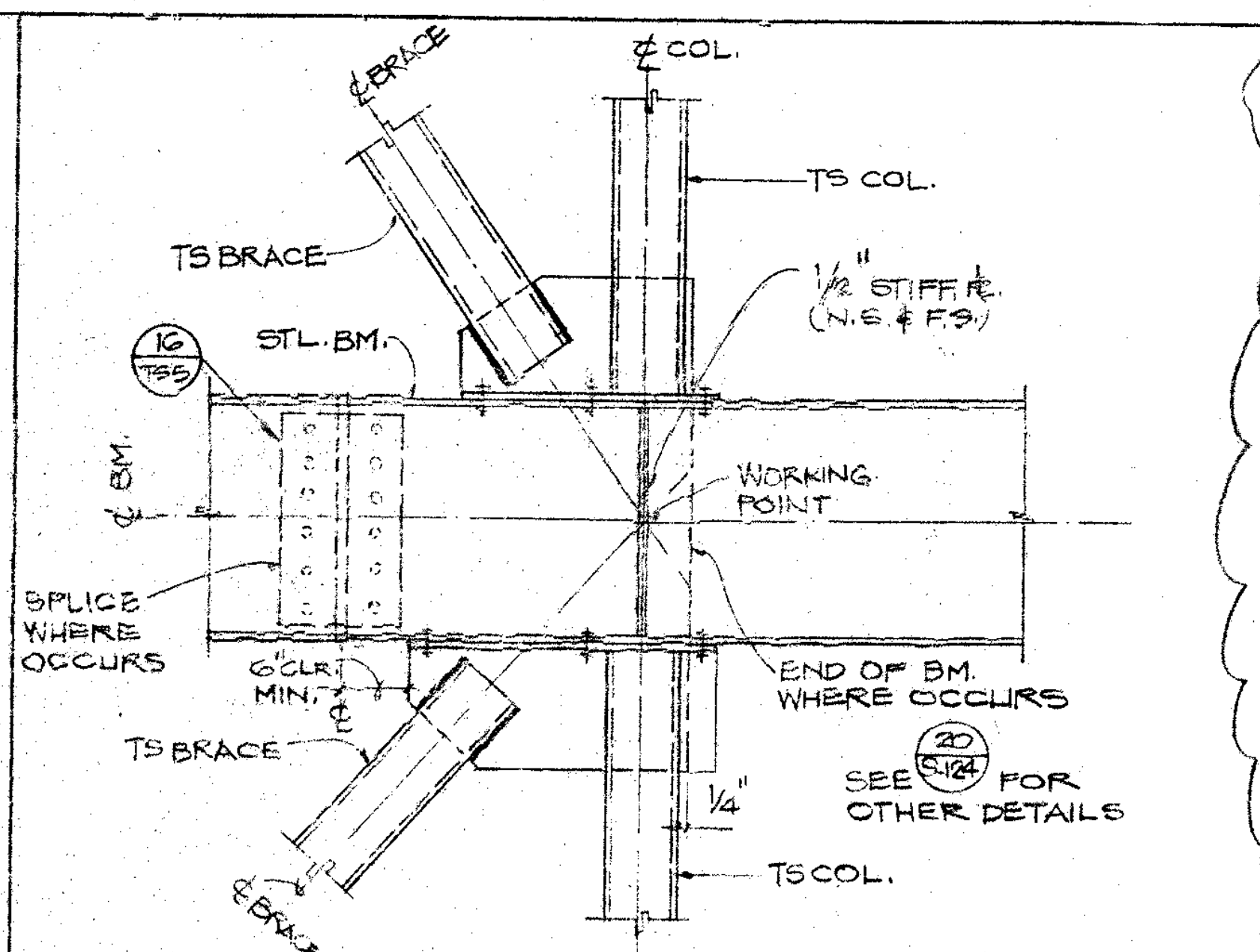

BM
BI
BE
25 S-124
1'-6"
40'-0"
40'-0"
1'-6"
14" x 1" THICK FLANGES TYPICAL
℄ SPAN
3/8" THICK WEB
18"
72"
NOTES:
1. PROVIDE FULL PENETRATION WELDS FOR WEB AND FLANGE SPLICES-TYPICAL
2. PROVIDE 3/8" FULL DEPTH CONN. PL. AT BEAM CONN. TYP. U.N.O.
4'-0"
1'-6"
1'-6"
4'-0"
TYPICAL WEB TO TOP & BOT. FLANGE WELDING
5/16 120-240
CAMBER = 1"

TSG-3

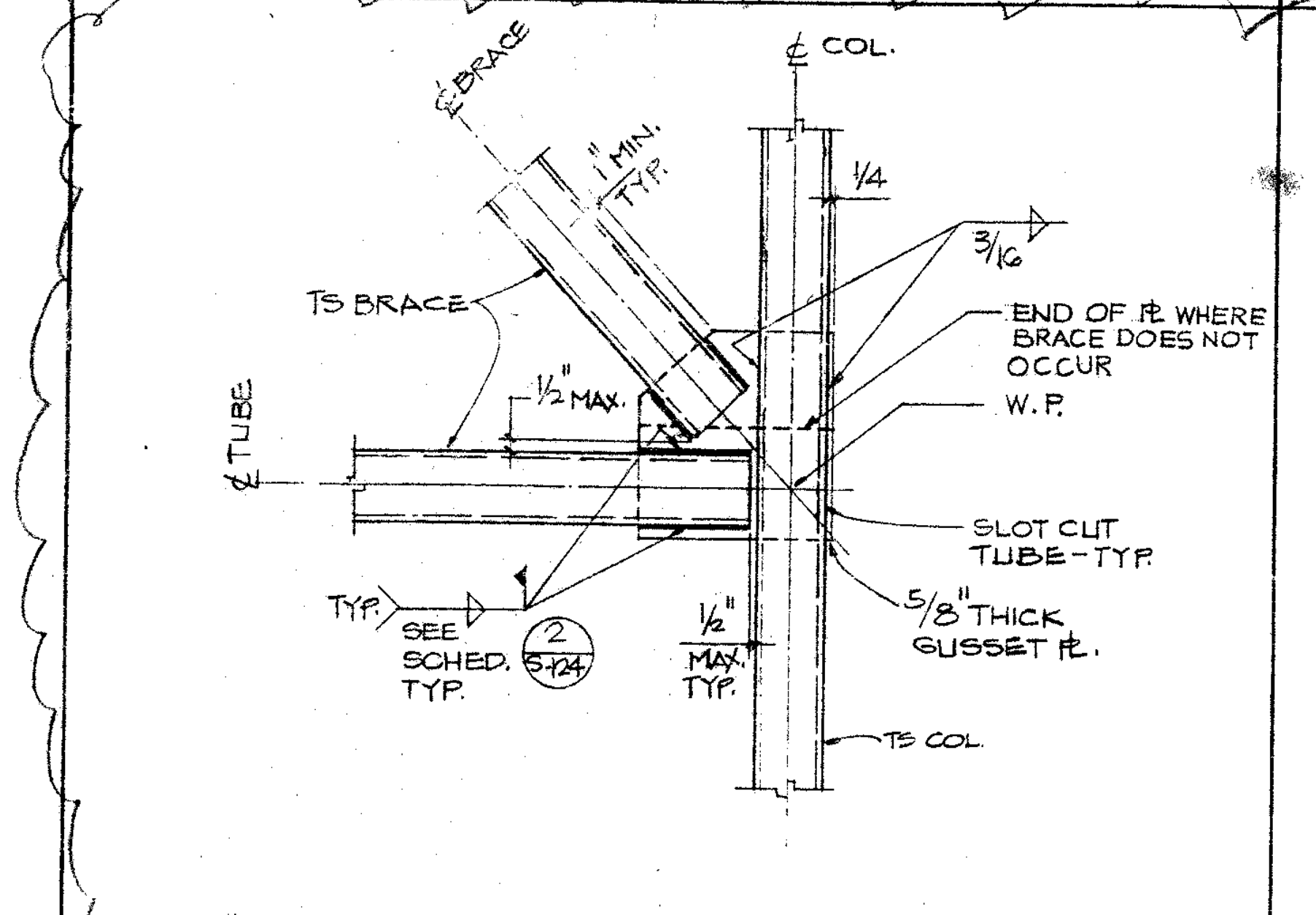
TAPERED STEEL GIRDER ELEVATIONS | NO SCALE | 23


℄ COL.
16 S-5
3/8" STIFF. PL. (N.S. & F.S.)
W.P.
℄ BM.
7/8" φ BOLTS 6 TOTAL
BM. SPLICE WHERE OCCURS
5/8" GUSSET PL. AT ℄ COL.
TUBE TO CAP PL.
SLOT-CUT TUBE-TYP.
3/16
COL. CAP PL. SAME WIDTH & THICKNESS AS BM. FLG.
SEE SCHED. 2 S-124 TYP.
1" MIN.
TS COL.
TS BRACE
℄ BRACE

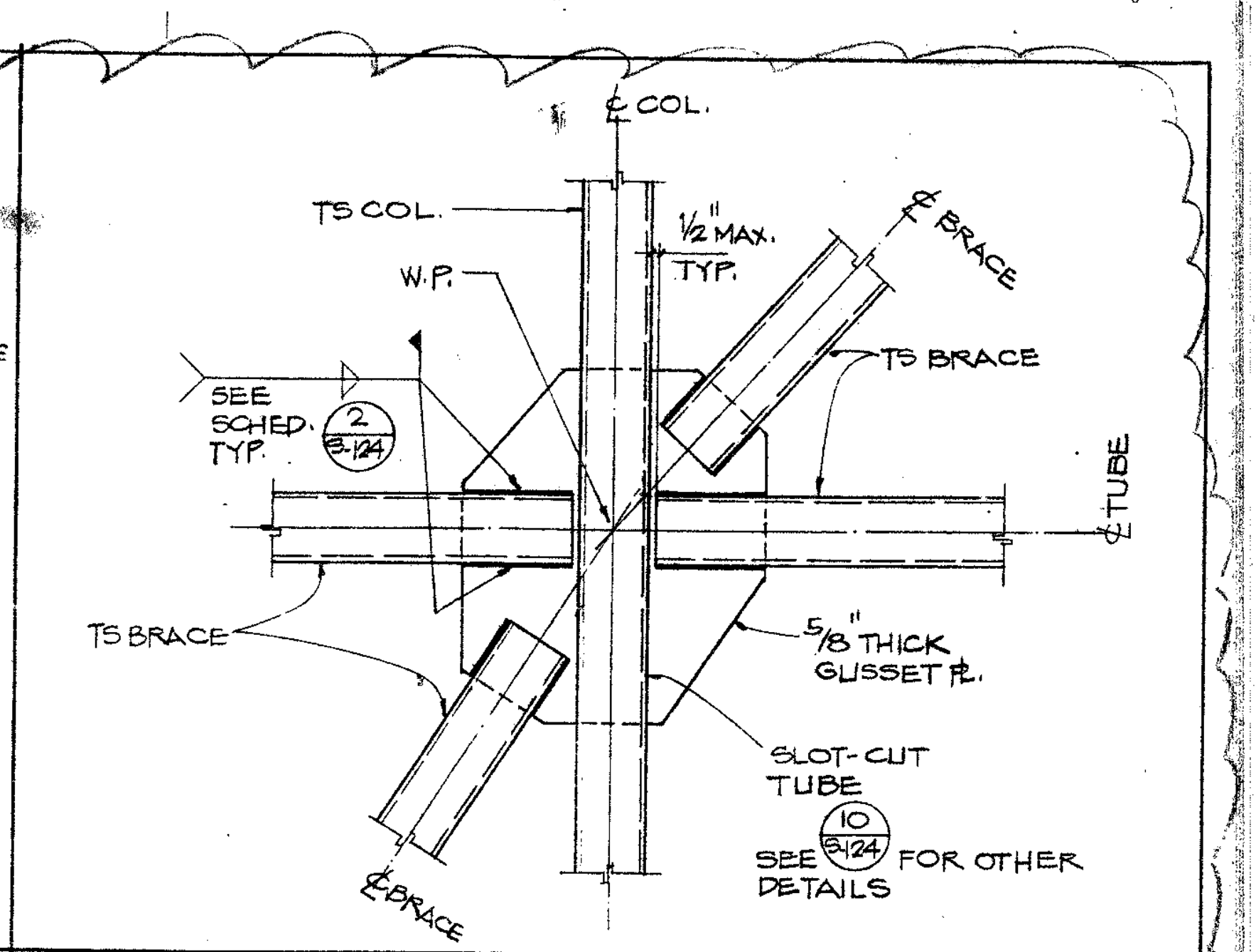
DETAIL | 3/4" | 20


℄ BRACE
℄ COL.
TS COL.
TS BRACE
STL. BM.
16 S-5
1/2" STIFF. PL. (N.S. & F.S.)
℄ BM.
WORKING POINT
SPLICE WHERE OCCURS
6" CLR. MIN.
END OF BM. WHERE OCCURS
TS BRACE
SEE 20 S-124 FOR OTHER DETAILS
TS COL.
℄ BRACE

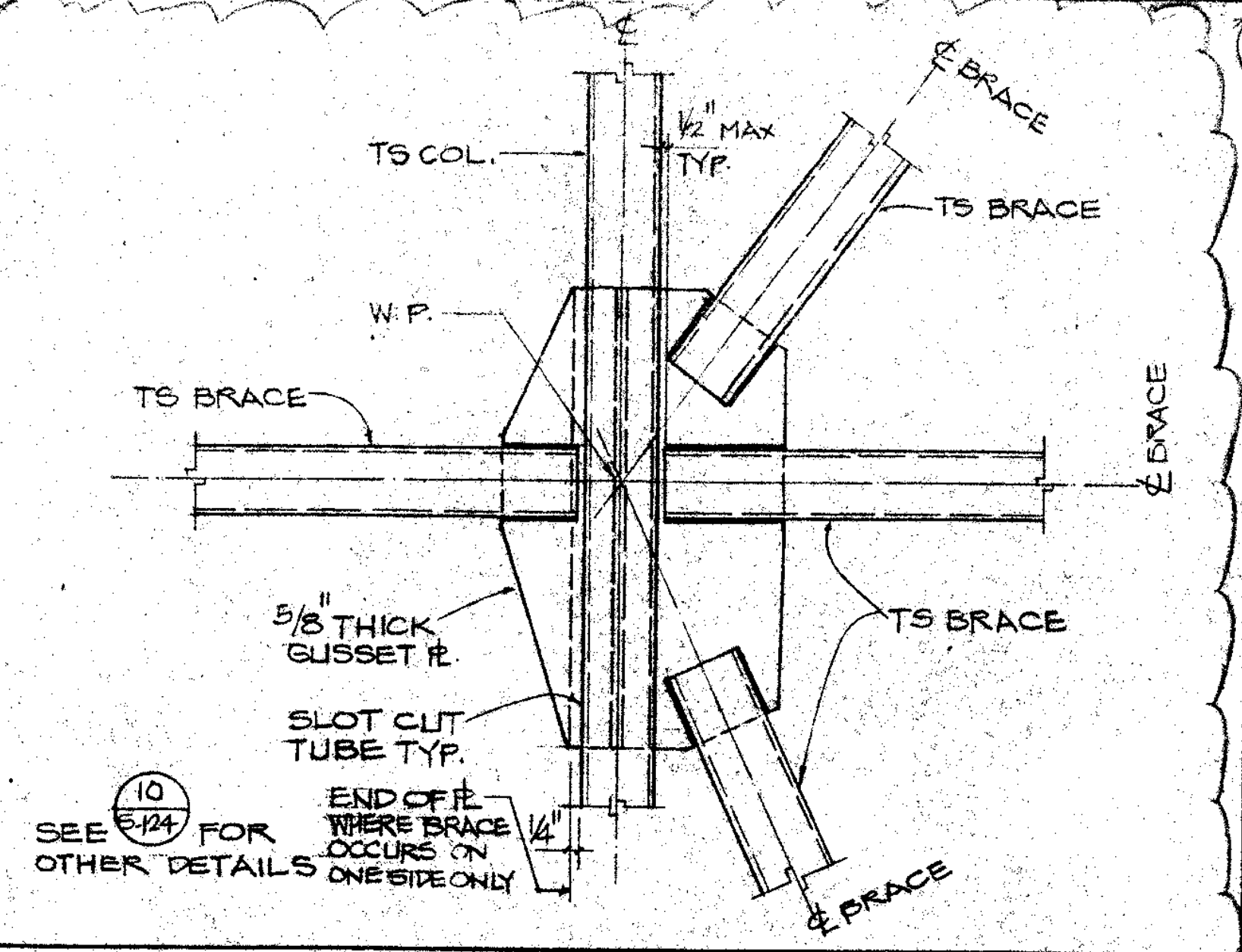
DETAIL | 3/4" | 15


℄ BRACE
℄ COL.
1" MIN. TYP.
1/4
TS BRACE
3/16
END OF PL. WHERE BRACE DOES NOT OCCUR
W.P.
℄ TUBE
1/2" MAX.
SLOT CUT TUBE-TYP.
5/8" THICK GUSSET PL.
TYP.
SEE SCHED. 2 S-124 TYP.
1/2" MAX. TYP.
TS COL.

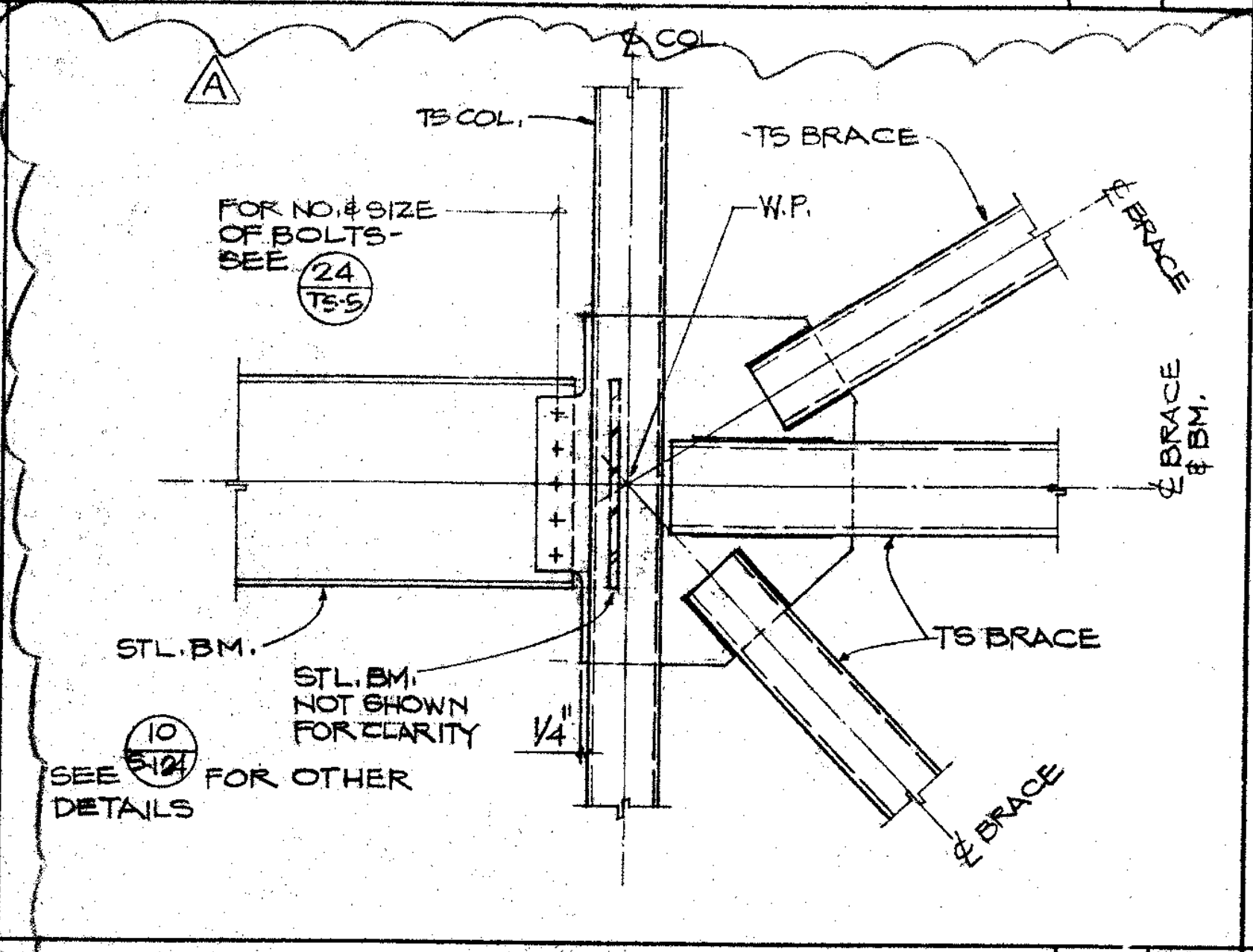
DETAIL | 3/4" | 10


℄ COL.
TS COL.
1/2" MAX. TYP.
℄ BRACE
W.P.
TS BRACE
SEE SCHED. 2 S-124 TYP.
℄ TUBE
TS BRACE
5/8" THICK GUSSET PL.
SLOT-CUT TUBE
SEE 10 S-124 FOR OTHER DETAILS
℄ BRACE

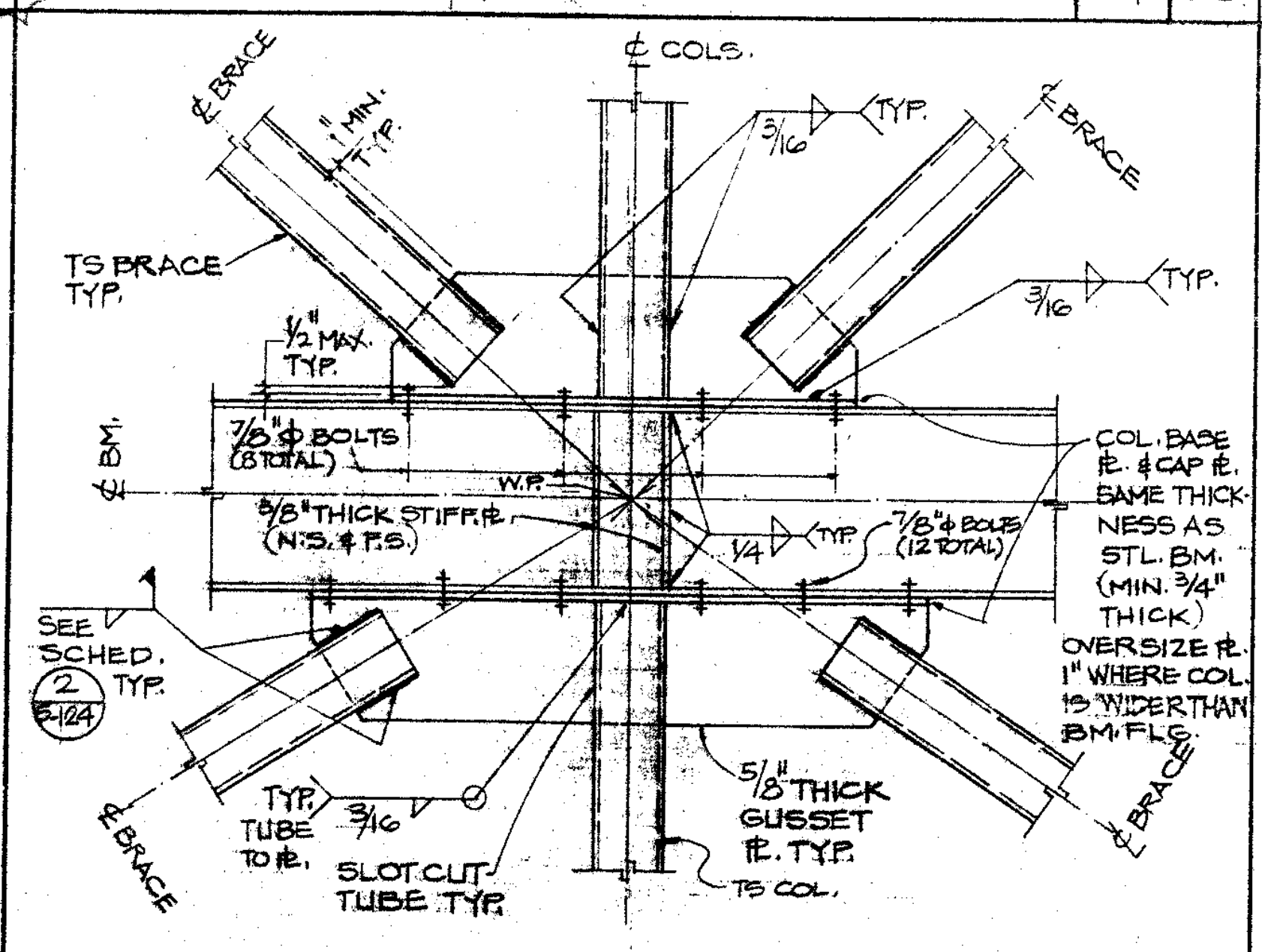
DETAIL | 3/4" | 5


TS COL.
1/2" MAX. TYP.
℄ BRACE
TS BRACE
W.P.
TS BRACE
℄ BRACE
5/8" THICK GUSSET PL.
SLOT CUT TUBE TYP.
SEE 10 S-124 FOR OTHER DETAILS
END OF PL. WHERE BRACE OCCURS ON ONE SIDE ONLY
TS BRACE
℄ BRACE

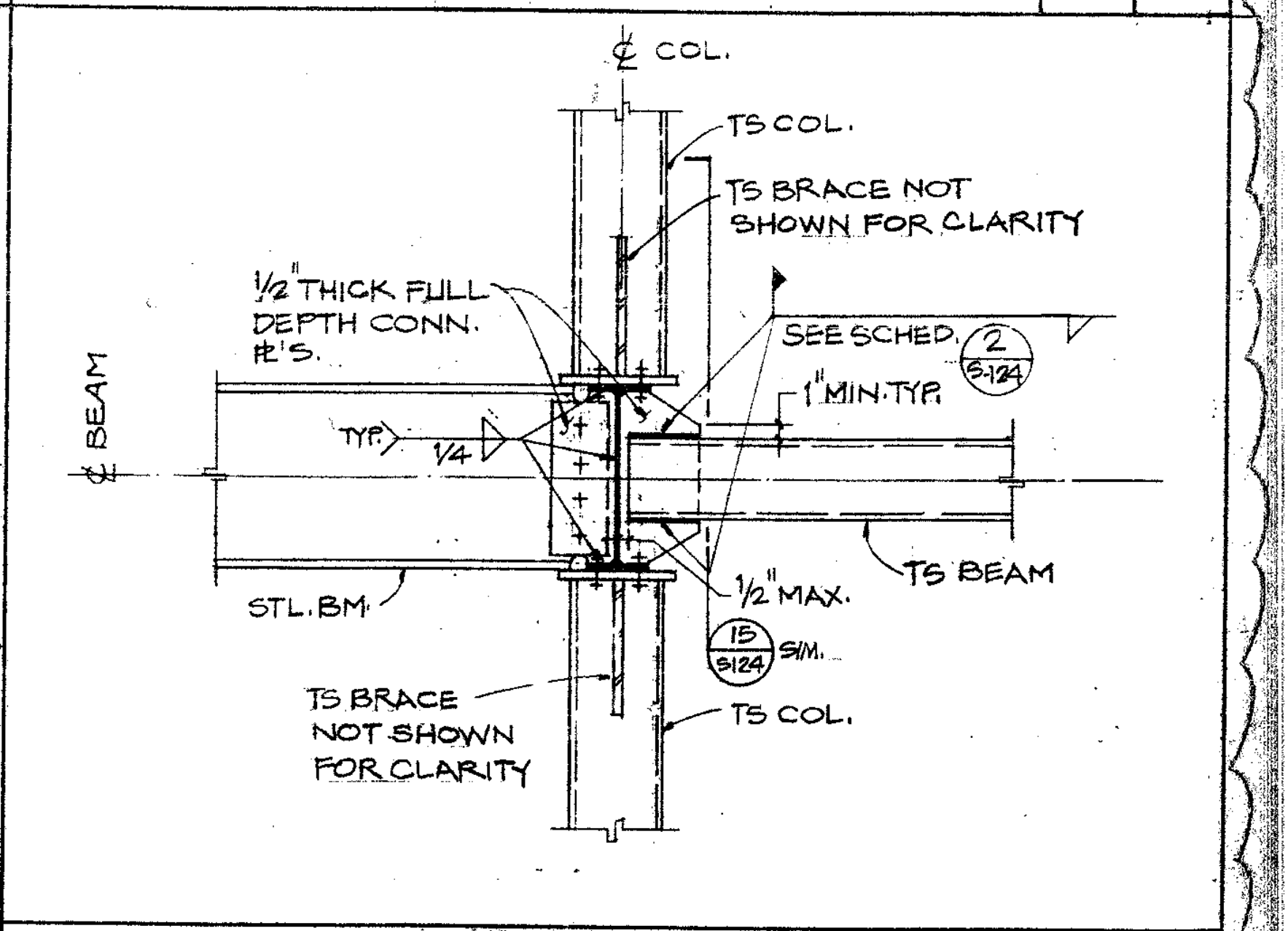
DETAIL | 3/4" | 19


℄ COL.
TS COL.
TS BRACE
FOR NO. & SIZE OF BOLTS-SEE 24 TS-5
W.P.
℄ BRACE
℄ BRACE & BM.
STL. BM.
STL. BM. NOT SHOWN FOR CLARITY
TS BRACE
SEE 10 S-124 FOR OTHER DETAILS
℄ BRACE

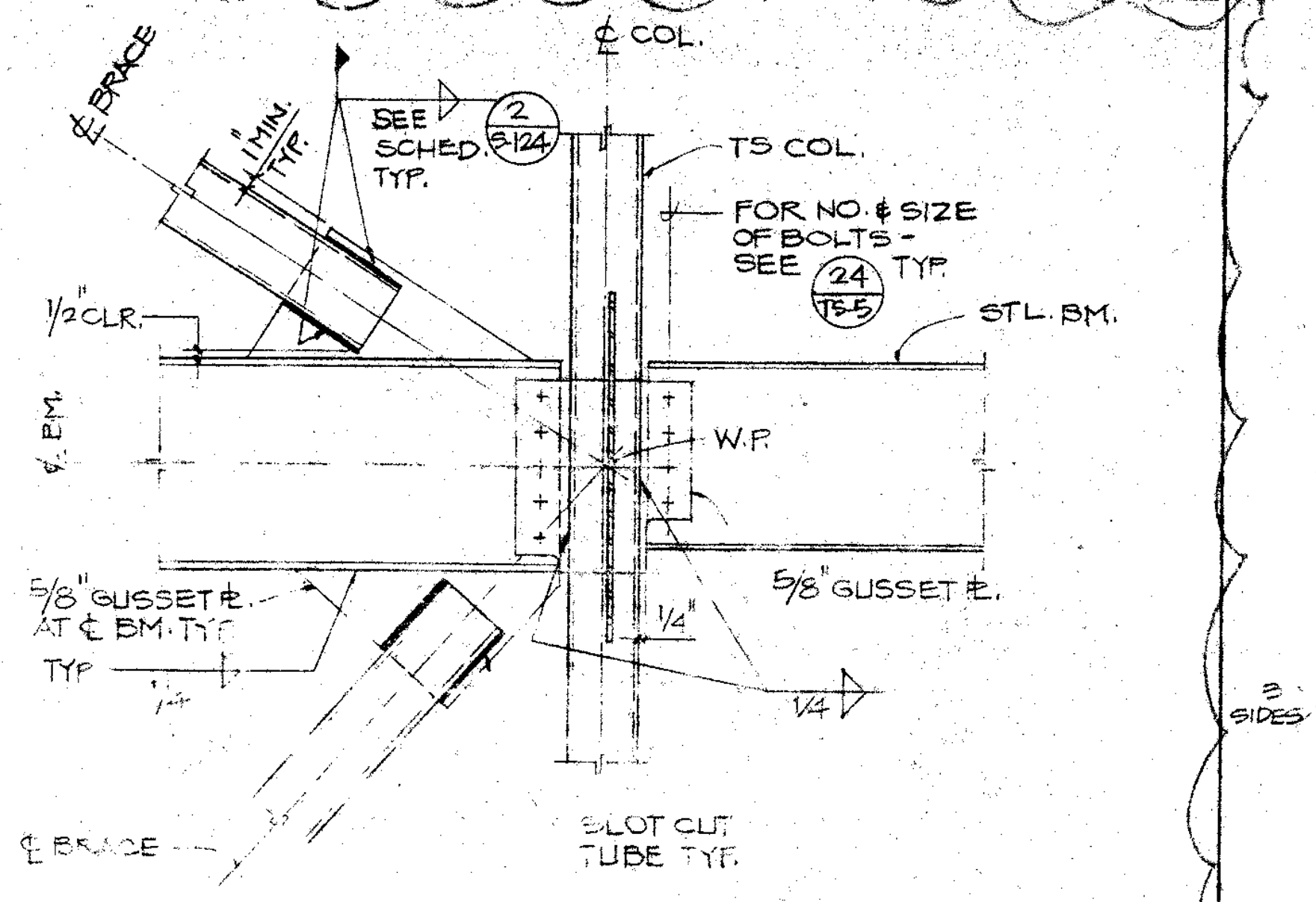
DETAIL | 3/4" | 14


℄ COLS.
℄ BRACE
1" MIN. TYP.
TS BRACE TYP.
1/2" MAX. TYP.
7/8" φ BOLTS (6 TOTAL)
3/8" THICK STIFF. PL. (N.S. & F.S.)
W.P.
COL. BASE PL. & CAP PL. SAME THICKNESS AS STL. BM. (MIN. 3/4" THICK) OVERSIZE PL. 1" WHERE COL. IS WIDER THAN BM. FLG.
7/8" φ BOLTS (12 TOTAL)
℄ BM.
SEE SCHED. 2 S-124 TYP.
TYP. TUBE TO PL.
3/16
SLOT CUT TUBE TYP.
5/8" THICK GUSSET PL. TYP.
TS COL.
℄ BRACE

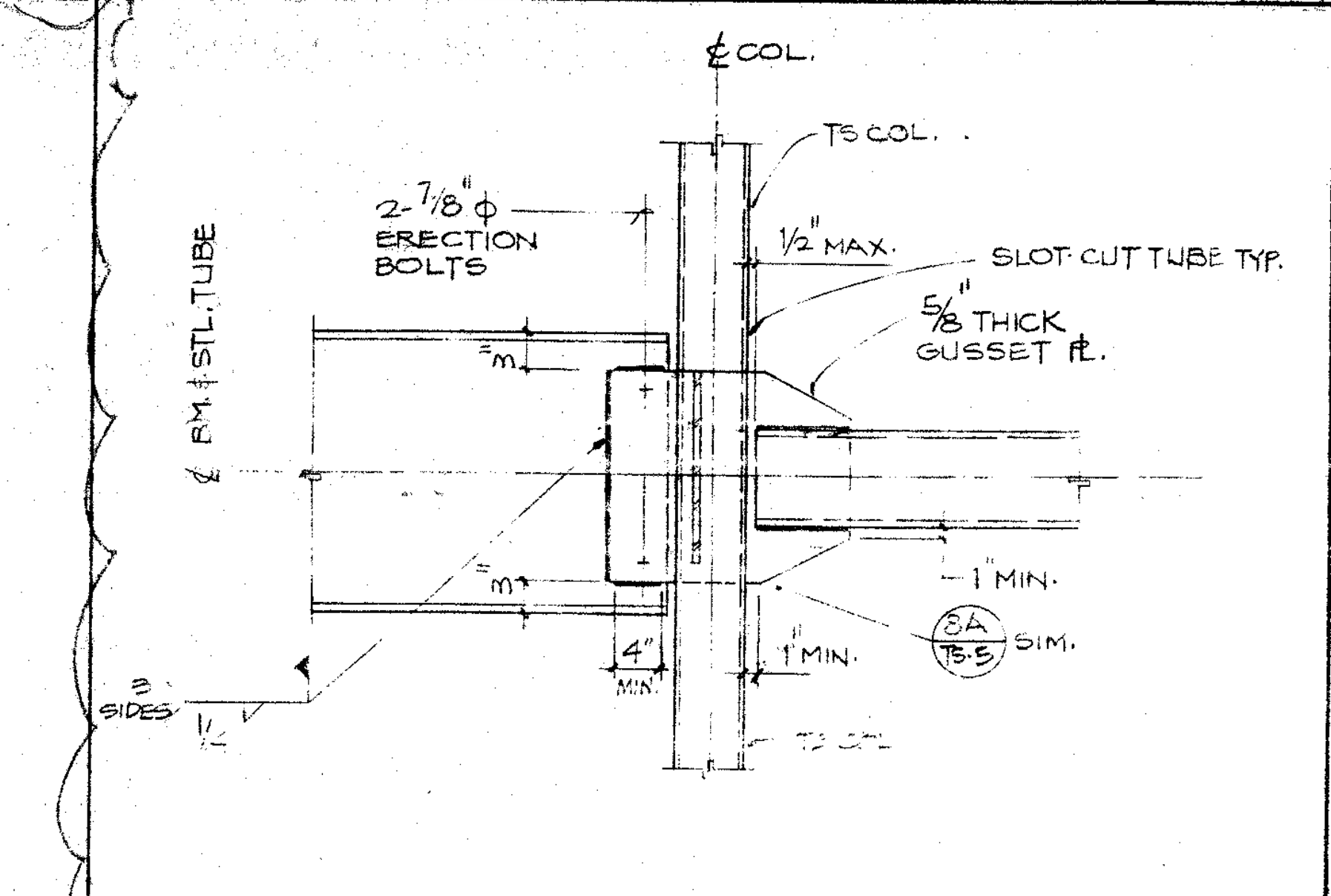
DETAIL | 3/4" | 9


℄ COL.
TS COL.
TS BRACE NOT SHOWN FOR CLARITY
1/2" THICK FULL DEPTH CONN. PL.'S.
SEE SCHED. 2 S-124
1" MIN. TYP.
℄ BEAM
TYP.
1/4
STL. BM.
1/2" MAX.
TS BEAM
15 S-124 SIM.
TS BRACE NOT SHOWN FOR CLARITY
TS COL.

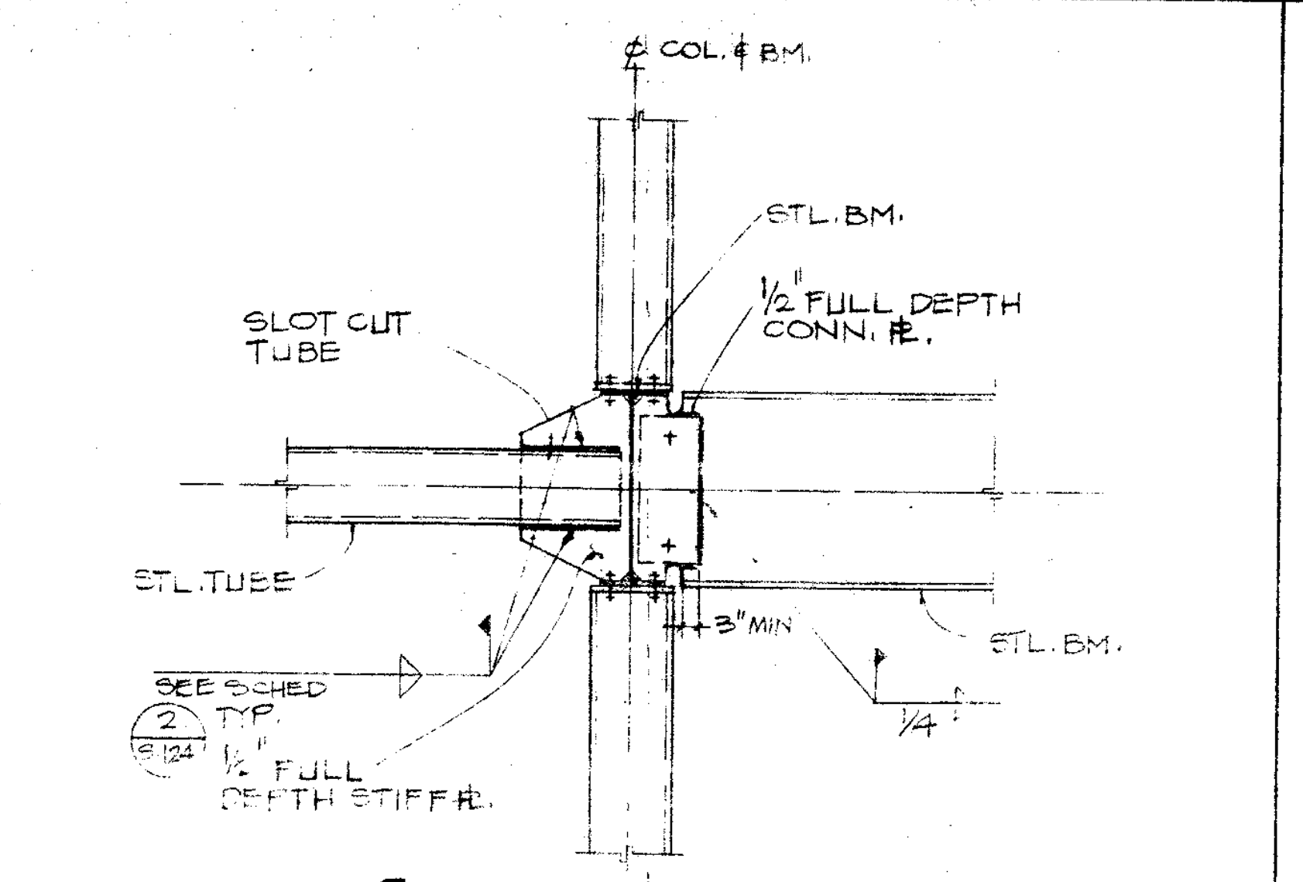
DETAIL | 3/4" | 4


℄ BRACE
1" MIN.
SEE SCHED. 2 S-124 TYP.
℄ COL.
TS COL.
FOR NO. & SIZE OF BOLTS-SEE 24 TS-5 TYP.
STL. BM.
1/2" CLR.
W.P.
℄ BM.
5/8" GUSSET PL.
5/8" GUSSET PL. AT ℄ BM. TYP.
TYP.
SLOT CUT TUBE TYP.
℄ BRACE

DETAIL | 3/4" | 18

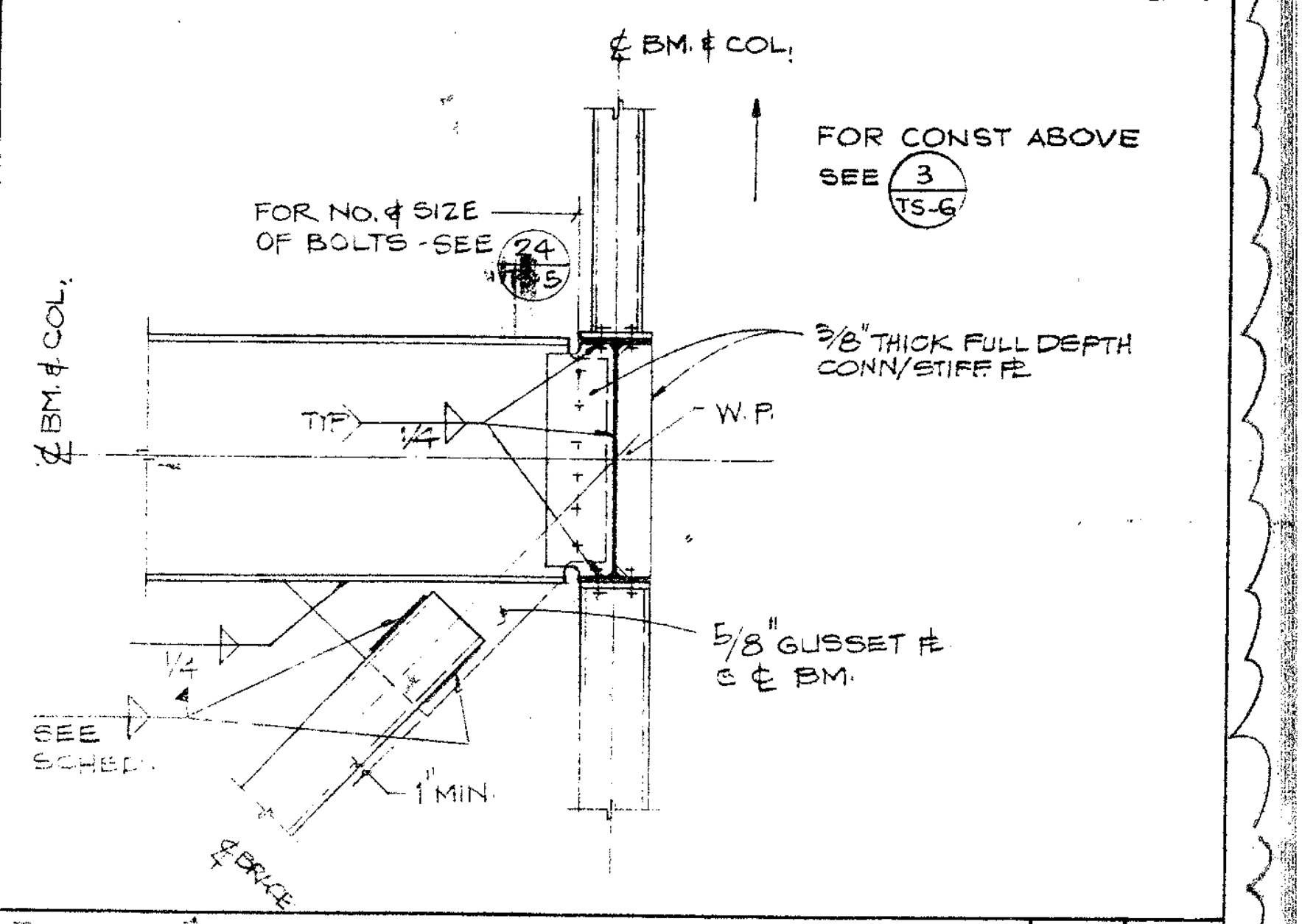

℄ COL.
TS COL.
2-7/8" φ ERECTION BOLTS
1/2" MAX.
SLOT-CUT TUBE TYP.
5/8" THICK GUSSET PL.
℄ BM. & STL. TUBE
1" MIN.
5A TS-5 SIM.
1" MIN.
3 SIDES

DETAIL | 3/4" | 13

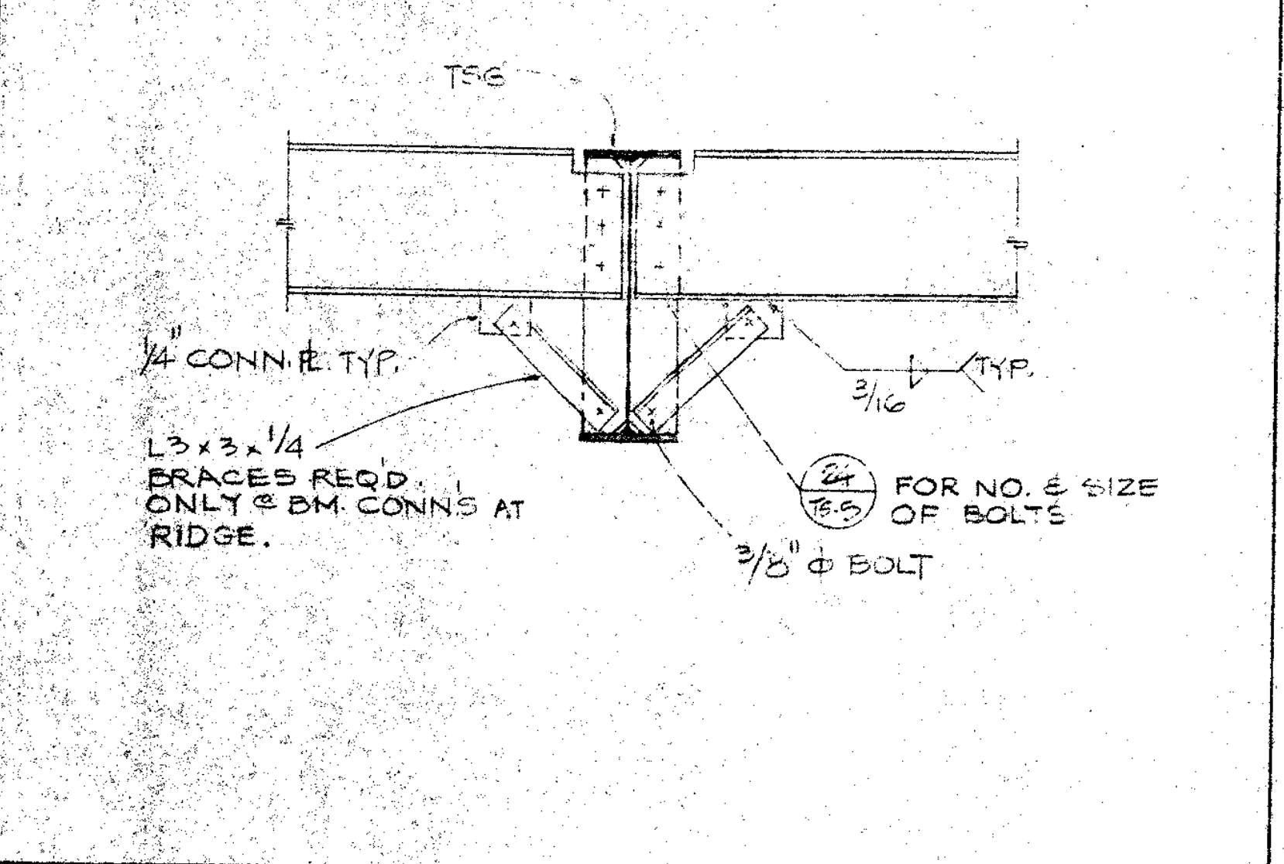

℄ COL. & BM.
STL. BM.
1/2" FULL DEPTH CONN. PL.
SLOT CUT TUBE
STL. TUBE
3" MIN.
STL. BM.
SEE SCHED. 2 S-124 TYP.
1/2" FULL DEPTH STIFF. PL.

(N.I.C.)

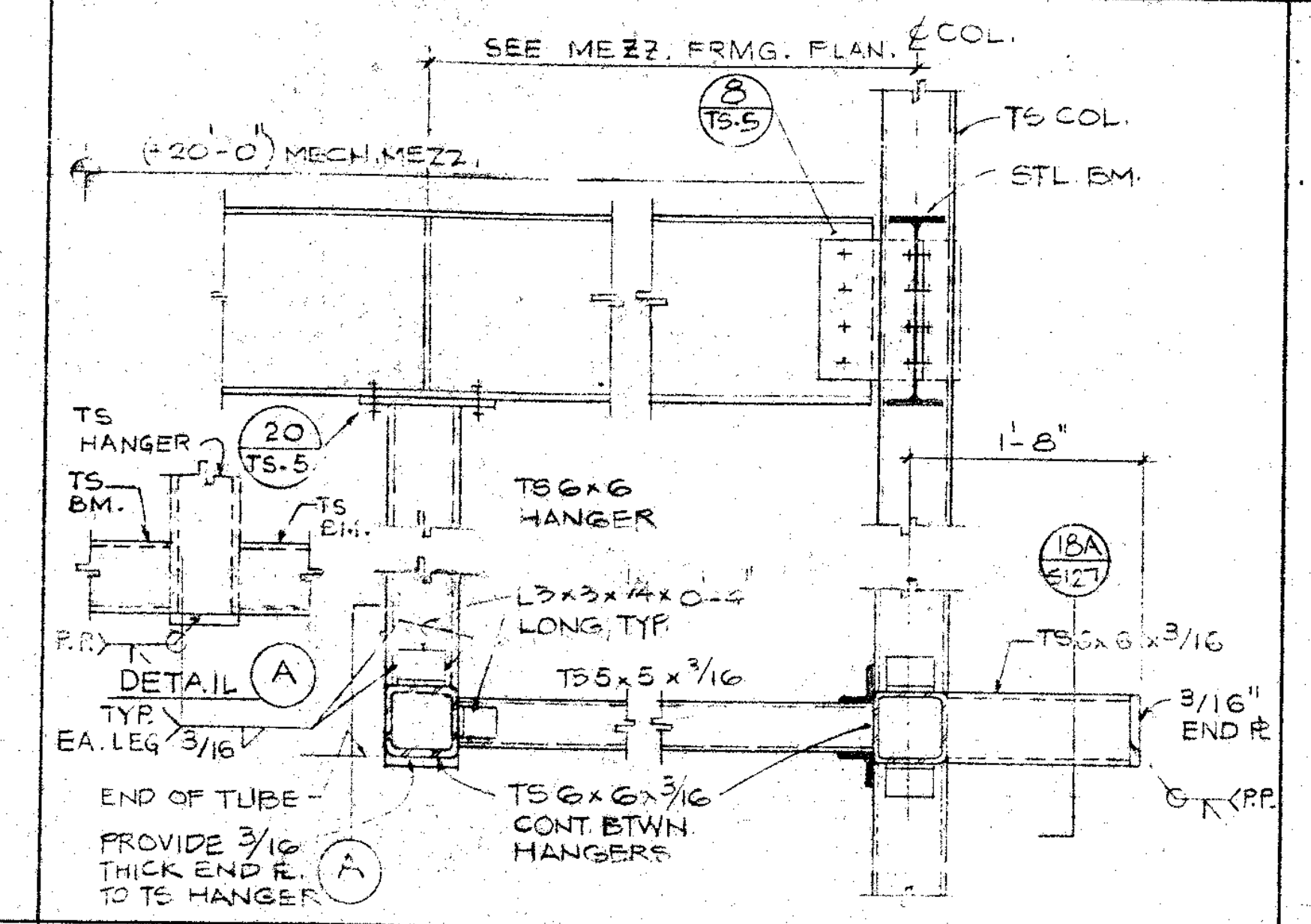
DETAIL | 3/4" | 8


℄ BM. & COL.
FOR CONST ABOVE SEE 3 TS-6
FOR NO. & SIZE OF BOLTS-SEE 24 TS-5
℄ BM. & COL.
TYP.
3/8" THICK FULL DEPTH CONN/STIFF PL.
W.P.
5/8" GUSSET PL. & ℄ BM.
SEE SCHED.
1" MIN.
℄ BRACE

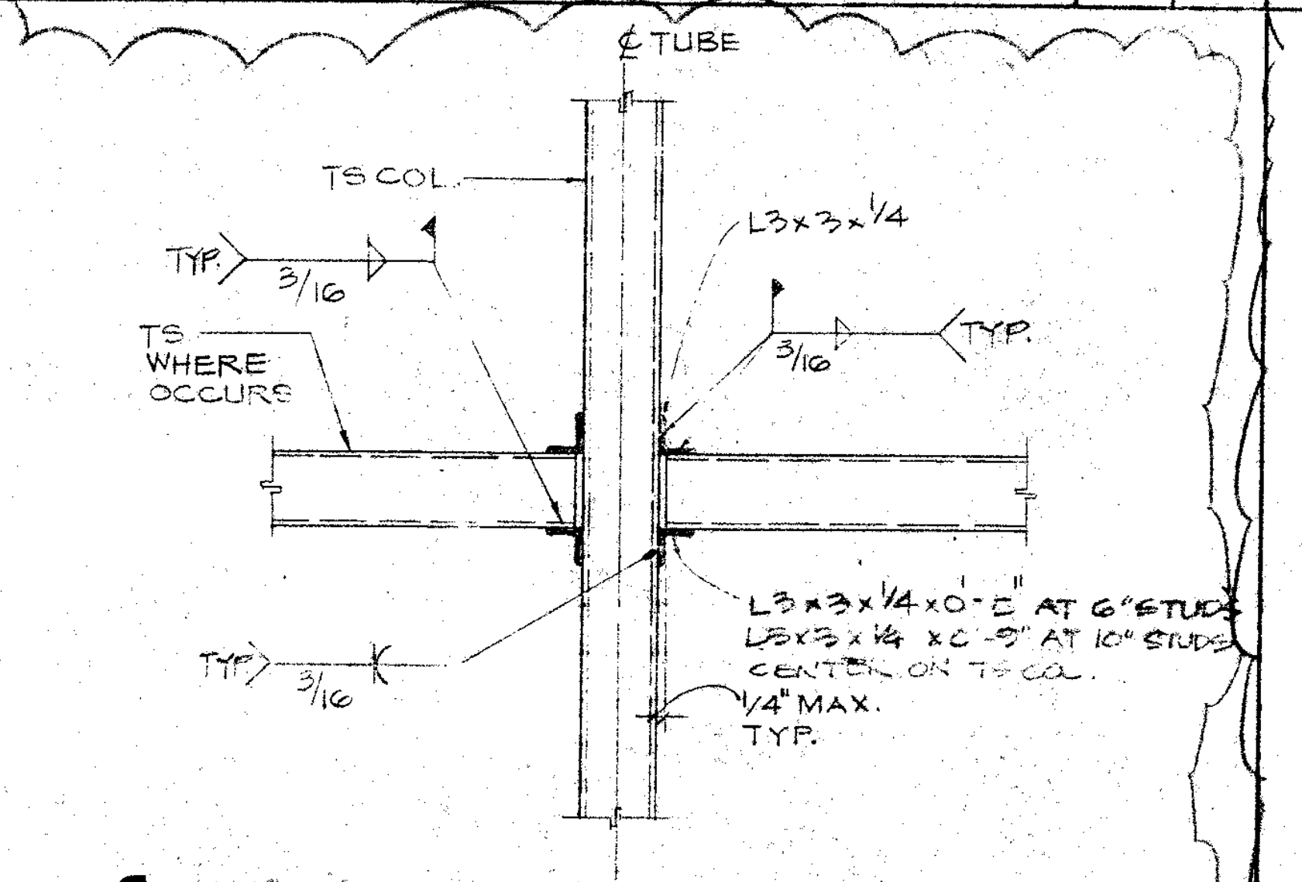
DETAIL | 3/4" | 3


TSG
1/4 CONN. PL. TYP.
L3 x 3 x 1/4 BRACES REQ'D. ONLY @ BM. CONNS AT RIDGE.
TYP.
3/16
24 TS-5 FOR NO. & SIZE OF BOLTS
3/8" φ BOLT

DETAIL | NO SCALE | 25

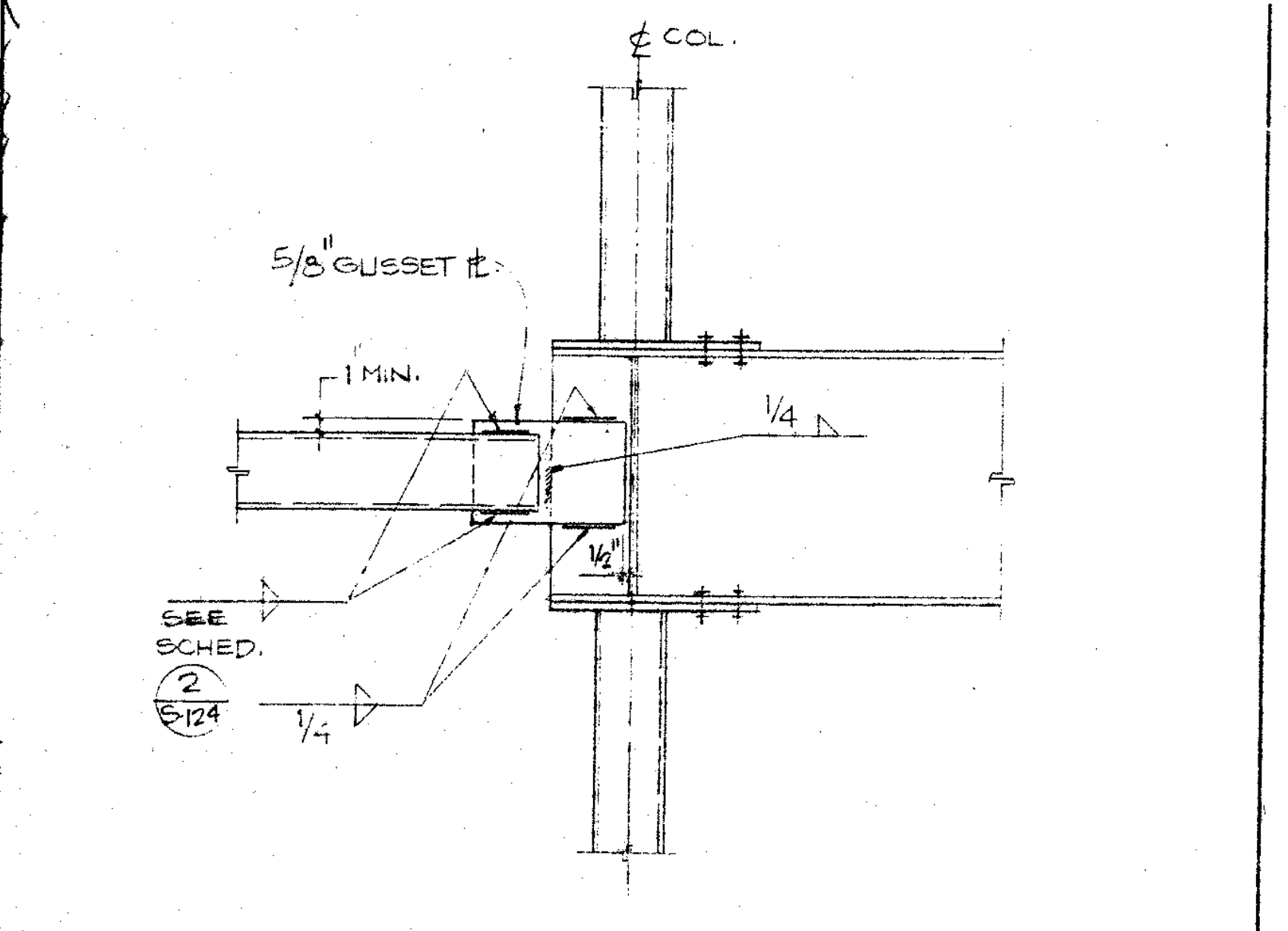

SEE MEZZ. FRMG. PLAN
℄ COL.
8 TS-5
TS COL.
STL. BM.
(+20'-0") MECH. MEZZ.
1'-8"
TS HANGER
20 TS-5
TS BM.
TS6x6 HANGER
L3x3x1/4x0'-6" LONG TYP.
TS5x5x3/16
TS6x6x3/16
3/16" END PL.
DETAIL A
TYP. EA. LEG 3/16
END OF TUBE
PROVIDE 3/16 THICK END PL. TO TS HANGER
TS6x6x3/16 CONT. BTWN. HANGERS
16A TS-5

DETAIL | 3/4" | 22

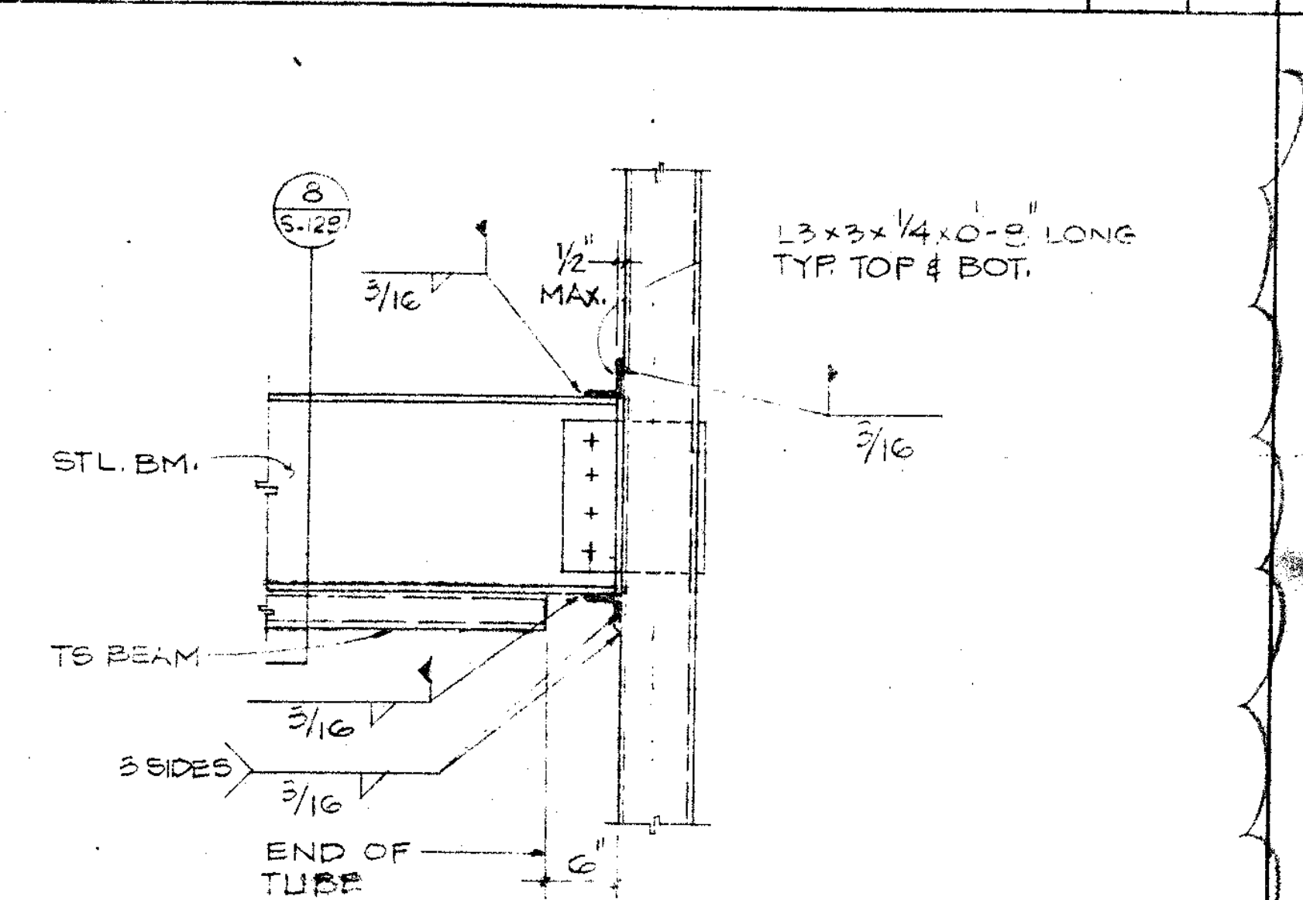

℄ TUBE
TS COL.
TYP.
3/16
TS WHERE OCCURS
3/16
TYP.
L3x3x1/4x0'-6" AT 6" STUDS
L5x3x1/4 x0'-5" AT 10" STUDS
CENTER ON TS COL.
1/4" MAX. TYP.
TYP.
3/16

(N.I.C.)

DETAIL | NO SCALE | 17


℄ COL.
5/8" GUSSET PL.
1" MIN.
1/4
SEE SCHED. 2 S-124
1/4

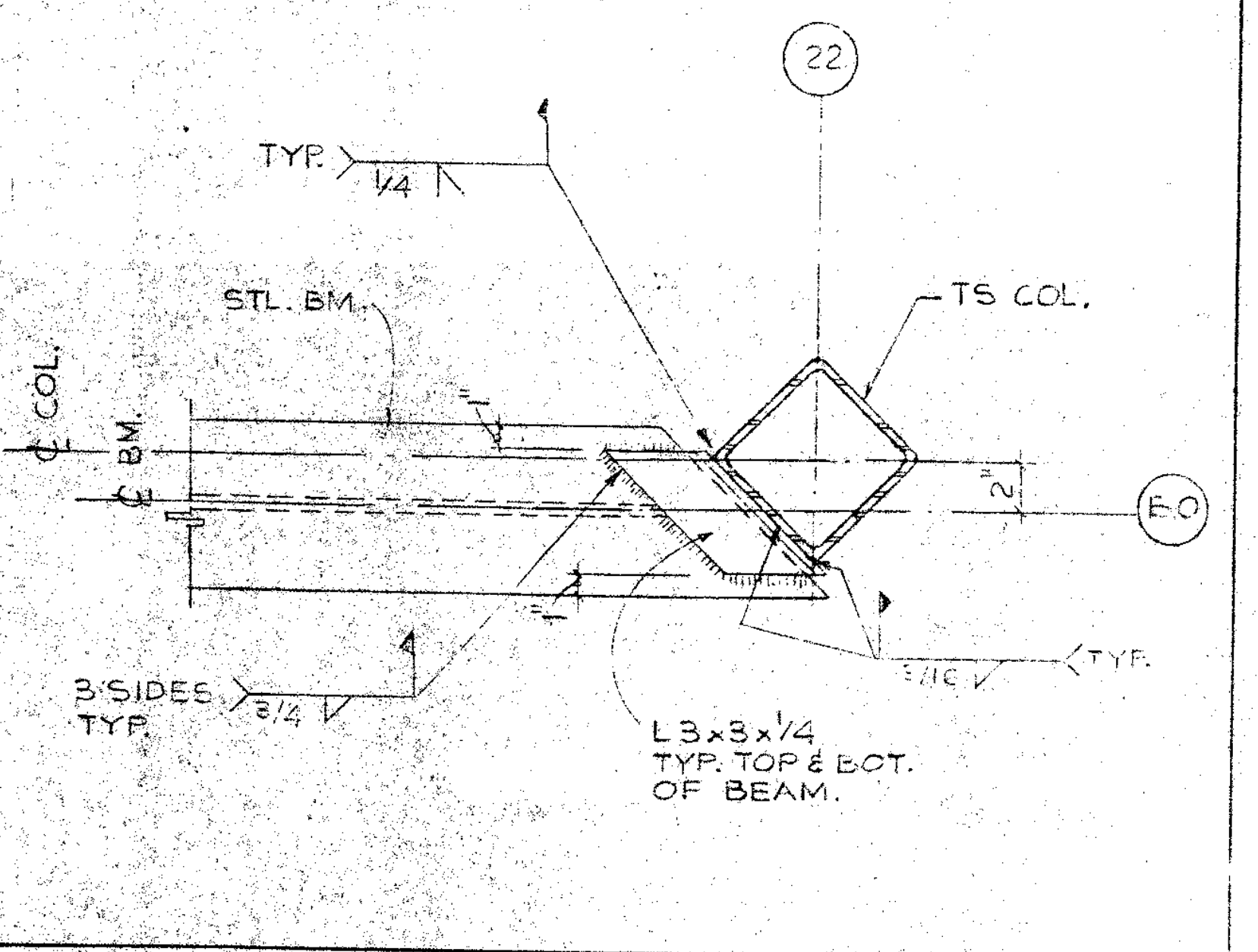
DETAIL | 3/4" | 12


8 S-124
L3x3x1/4x0'-8" LONG TYP. TOP & BOT.
1/2" MAX.
3/16
5/16
STL. BM.
TS BEAM
3 SIDES
3/16
END OF TUBE

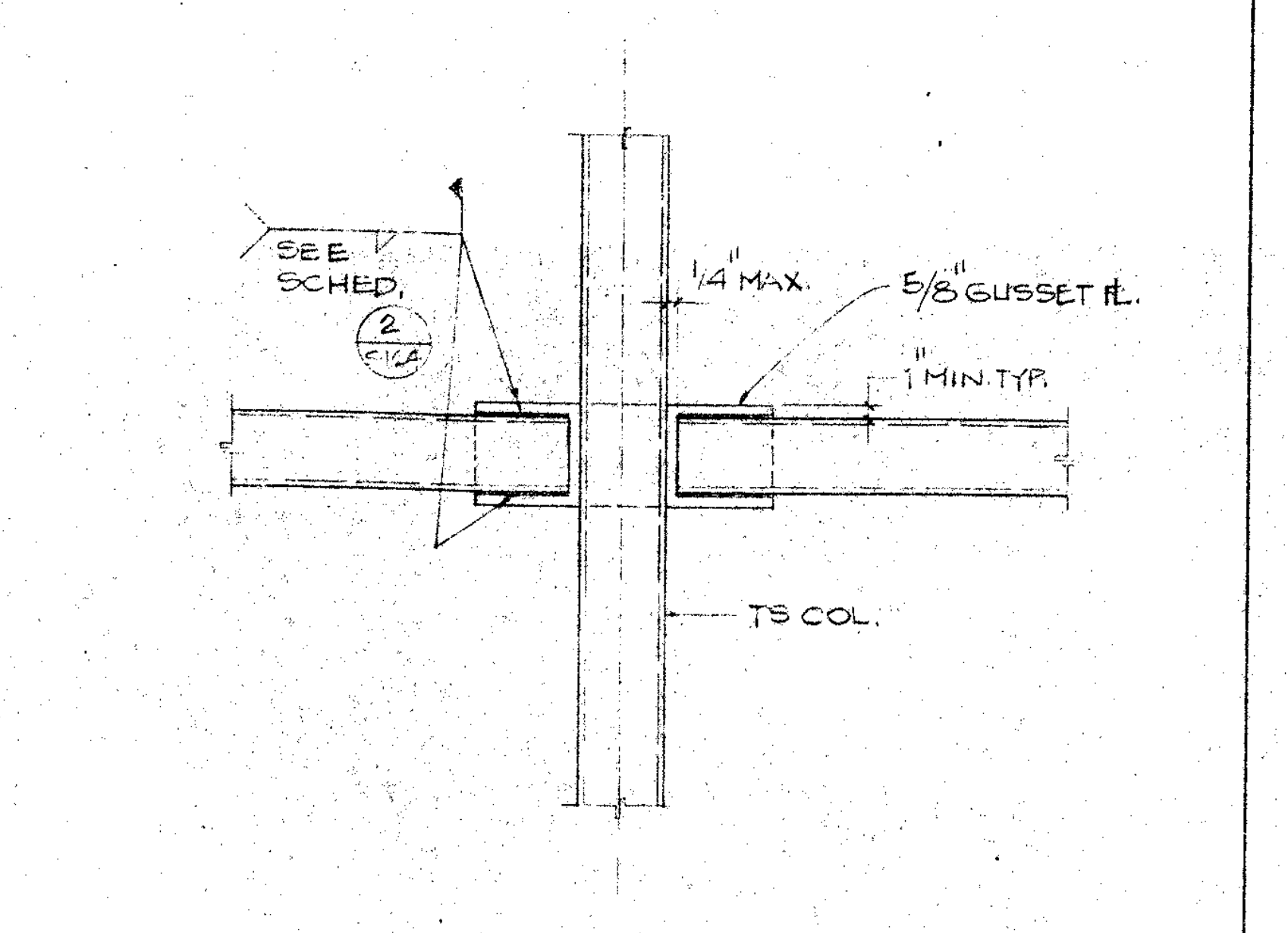
DETAIL | 3/4" | 7

TUBE SIZE	WELD SIZE	LENGTH
TS 8 × 8	1/4	7"
TS 7 × 7	3/16	7"
TS 6 × 6	3/16	5"
TS 5 × 5	3/16	7"
TS 4 × 4	3/16	4"
TS 3 × 3	3/16	3"
TS 7 × 5	1/4	7"

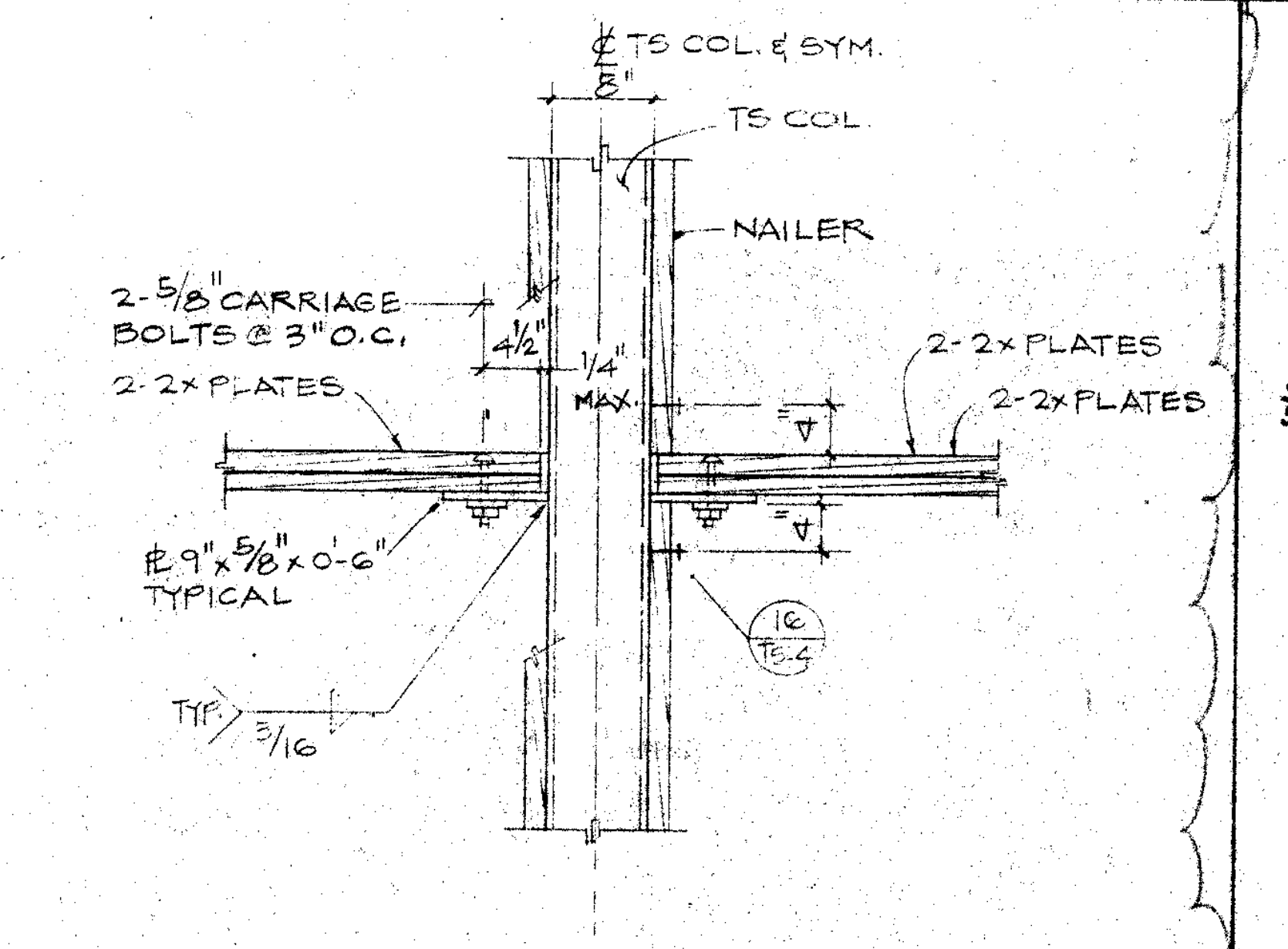
TYP BRACE WELDING SCHEDULE | | 2


22
TYP.
1/4
STL. BM.
TS COL.
℄ COL.
℄ BM.
E.O.
3 SIDES TYP.
TYP.
L3x3x1/4 TYP. TOP & BOT. OF BEAM.

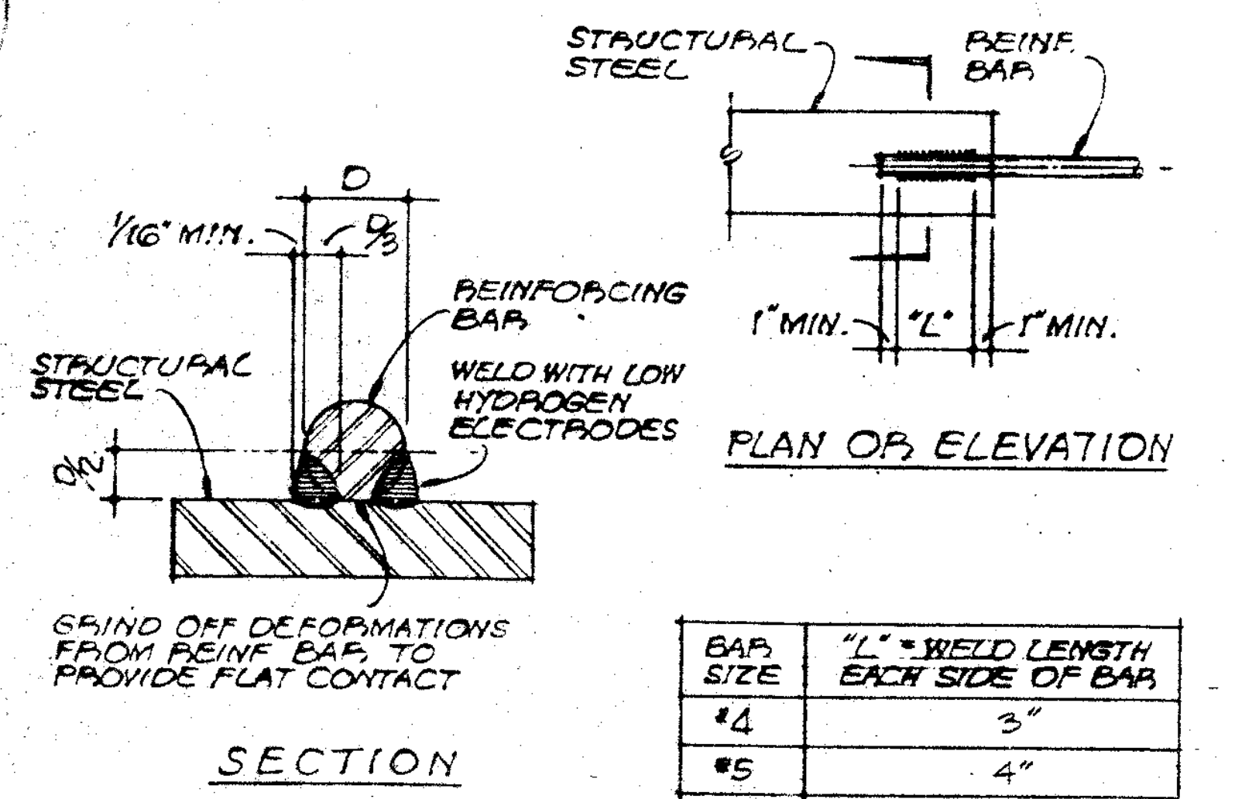
| 1/2" | 24


SEE SCHED. 2 S-124
1/4 MAX.
5/8" GUSSET PL.
1" MIN. TYP.
TS COL.

DETAIL | 3/4" | 21

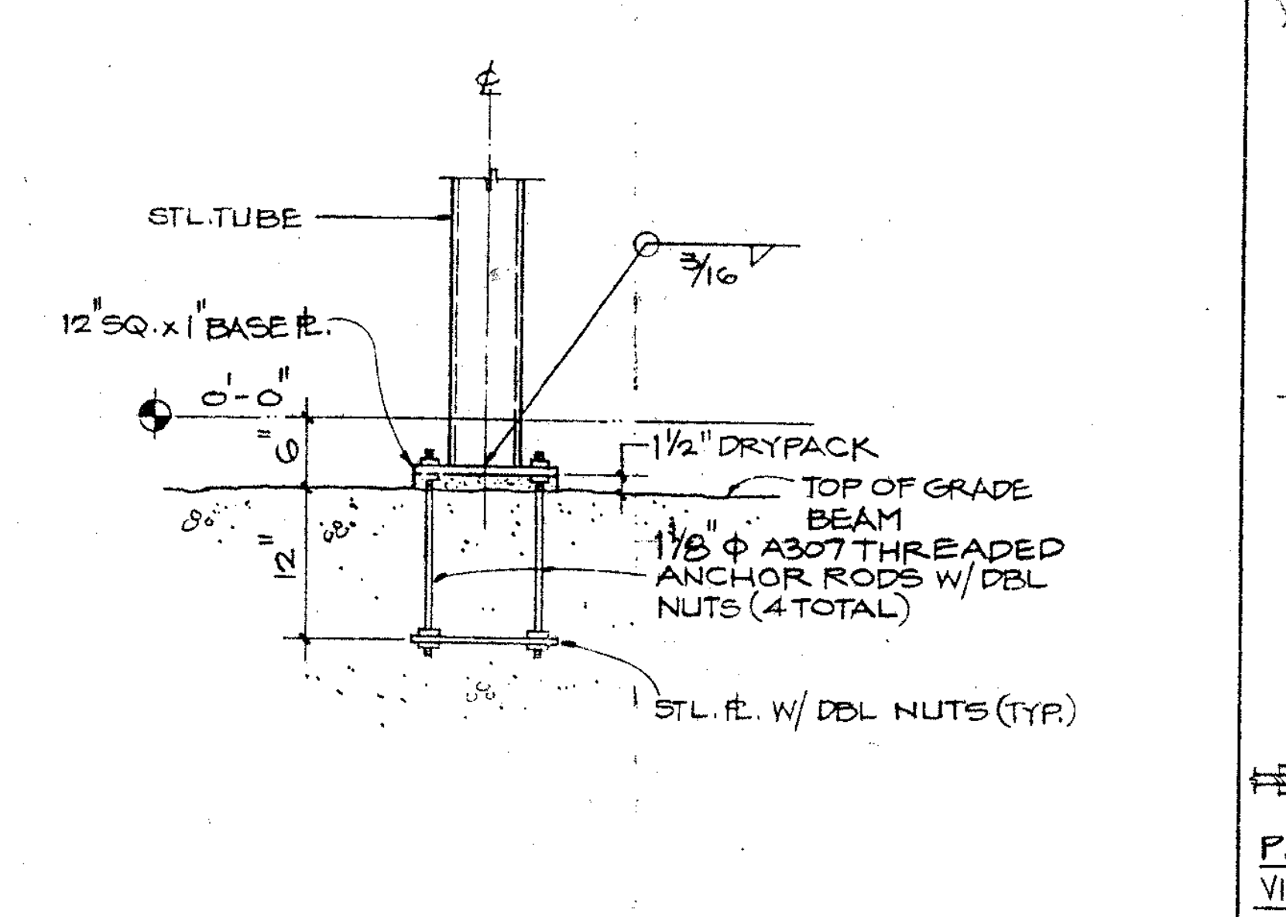

℄ TS COL. & SYM.
TS COL.
NAILER
2-5/8" CARRIAGE BOLTS @ 3" O.C.
2-2x PLATES
1/2" MAX.
2-2x PLATES
2-2x PLATES
PL. 9"x 5/16"x 0'-6" TYPICAL
16 TS-5
TYP.
3/16

TYP. WOOD PLATE TO STL COL | NO SCALE | 16

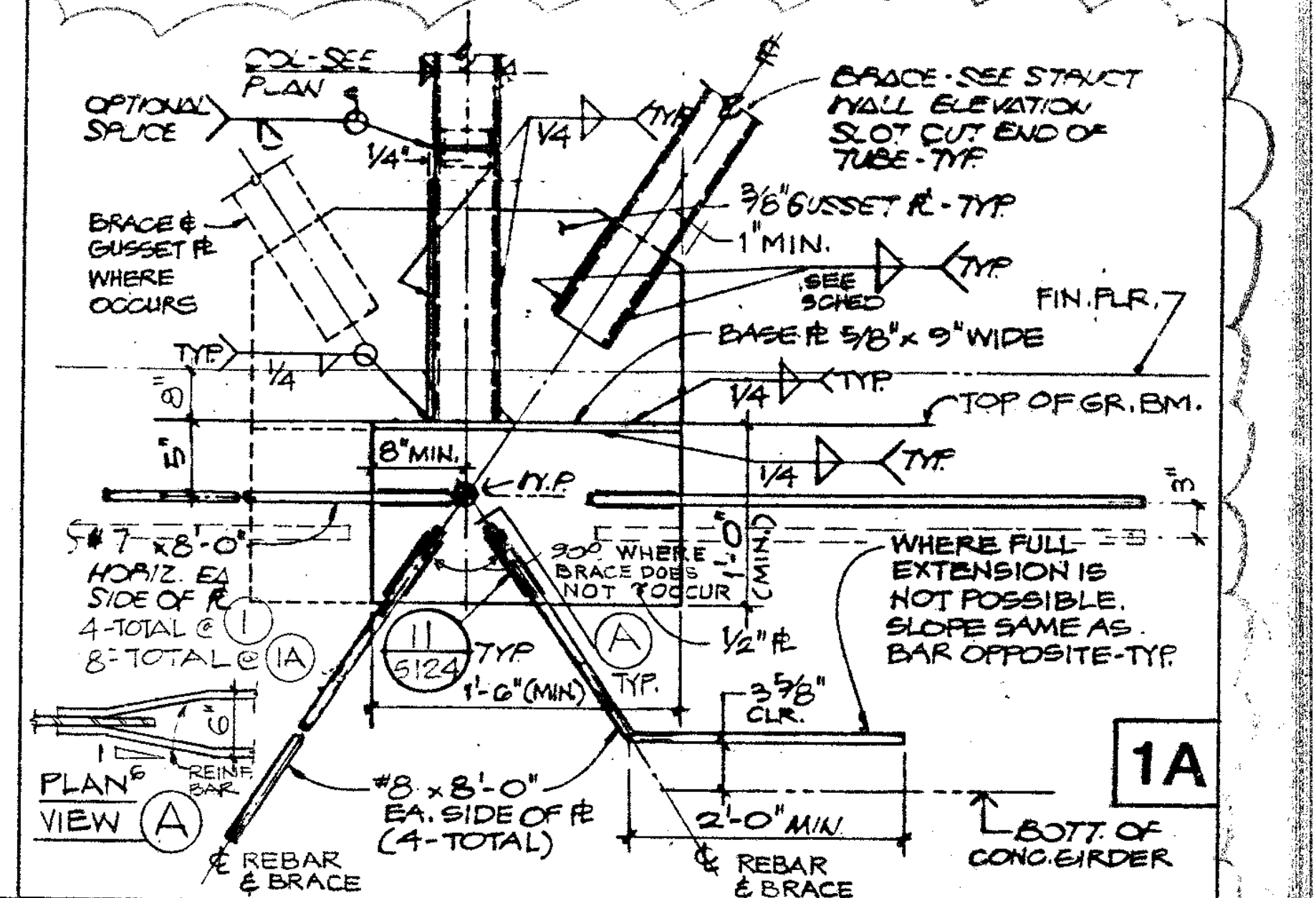

STRUCTURAL STEEL
REINF. BAR
1/16" MIN.
D
D/5
STRUCTURAL STEEL
REINFORCING BAR
WELD WITH LOW HYDROGEN ELECTRODES
GRIND OFF DEFORMATIONS FROM REINF. BAR TO PROVIDE FLAT CONTACT
SECTION
1" MIN.
"L"
1" MIN.
PLAN OR ELEVATION

BAR SIZE	"L" = WELD LENGTH EACH SIDE OF BAR
#4	3"
#5	4"
#6	5"
#7	6"

TYP. BAR WELD SCHEDULE | NO SCALE | 11


℄
STL. TUBE
12" SQ. x 1" BASE PL.
3/16
0'-0"
1 1/2" DRYPACK
TOP OF GRADE BEAM
1 1/8" φ A307 THREADED ANCHOR RODS W/ DBL NUTS (4 TOTAL)
STL. PL. W/ DBL. NUTS (TYP.)

DETAIL | 3/4" | 6


COL.-SEE PLAN
OPTIONAL SPLICE
BRACE & GUSSET PL. WHERE OCCURS
BRACE-SEE STRUCT FRAM. ELEVATION. SLOT CUT END OF TUBE-TYP.
1" MIN.
5/8" GUSSET PL.-TYP.
TYP.
FIN. FLR.
BASE PL. 5/8"x 5" WIDE
TOP OF GR. BM.
8" MIN.
W.P.
#7 x 8'-0" HORIZ. EA. SIDE OF PL. 4-TOTAL
WHERE BRACE DOES NOT OCCUR
WHERE FULL EXTENSION IS NOT POSSIBLE, SLOPE SAME AS BAR OPPOSITE-TYP.
11 S-124
1'-0" (MIN.)
3 1/2" CLR.
1A
PLAN VIEW A
#8 x 8'-0" EA. SIDE OF PL. (4-TOTAL)
REBAR & BRACE
2'-0" MIN.
BOTT. OF CONC. GIRDER

DETAIL | 3/4" | 1

Drawn By MCL
Checked By SRU
Date MAR. 1988
Commission No. 1.30.02

Revisions
A 6-29-88 PHASING

Brandow & Johnston Assoc.
Structural Engineers
Mamoru E. Kanda

REGISTERED PROFESSIONAL ENGINEER MAMORU E. KANDA No. 956 EXP. 12-31-88 STRUCTURAL STATE OF CALIFORNIA

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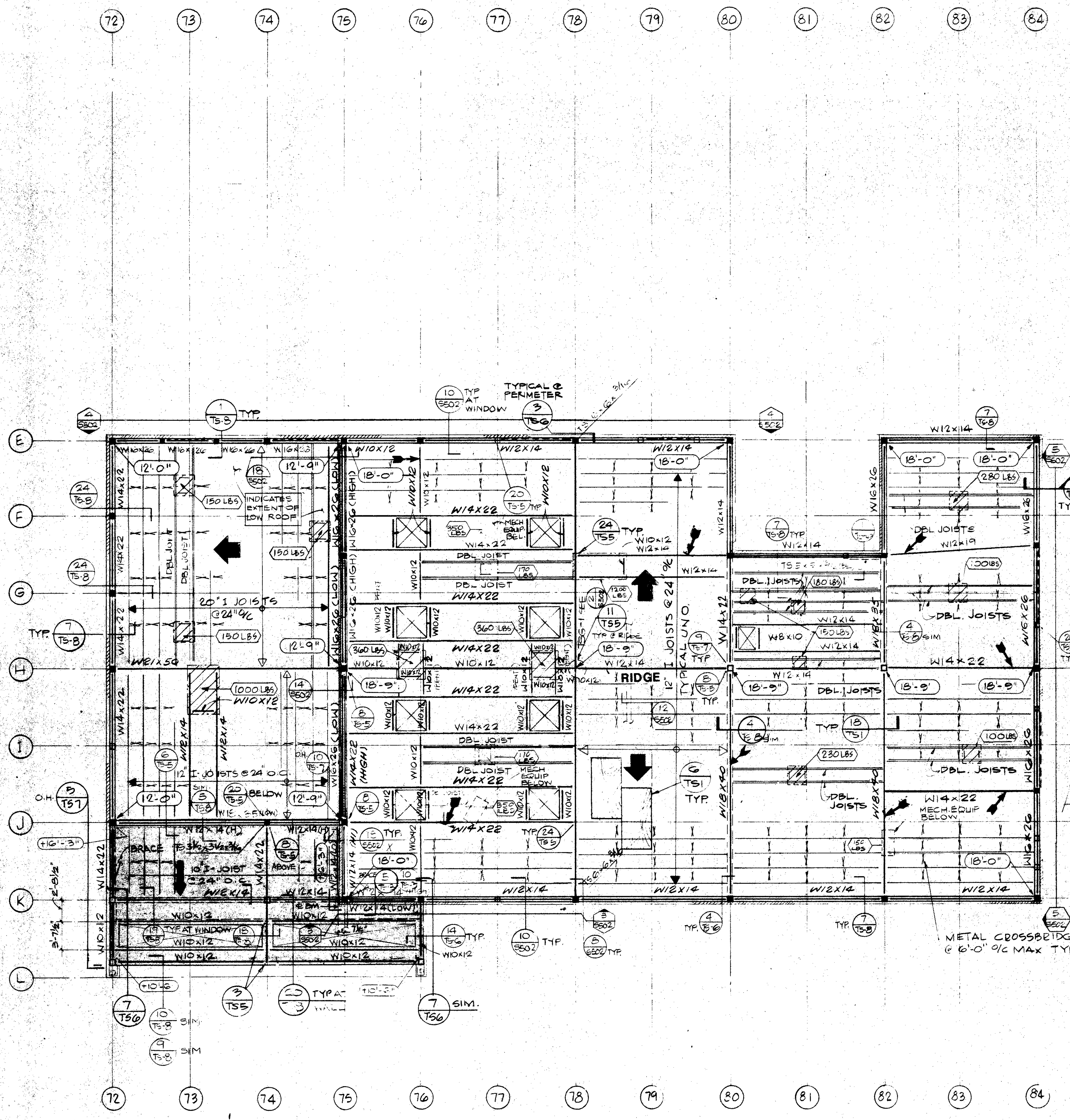
619/438-5899

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

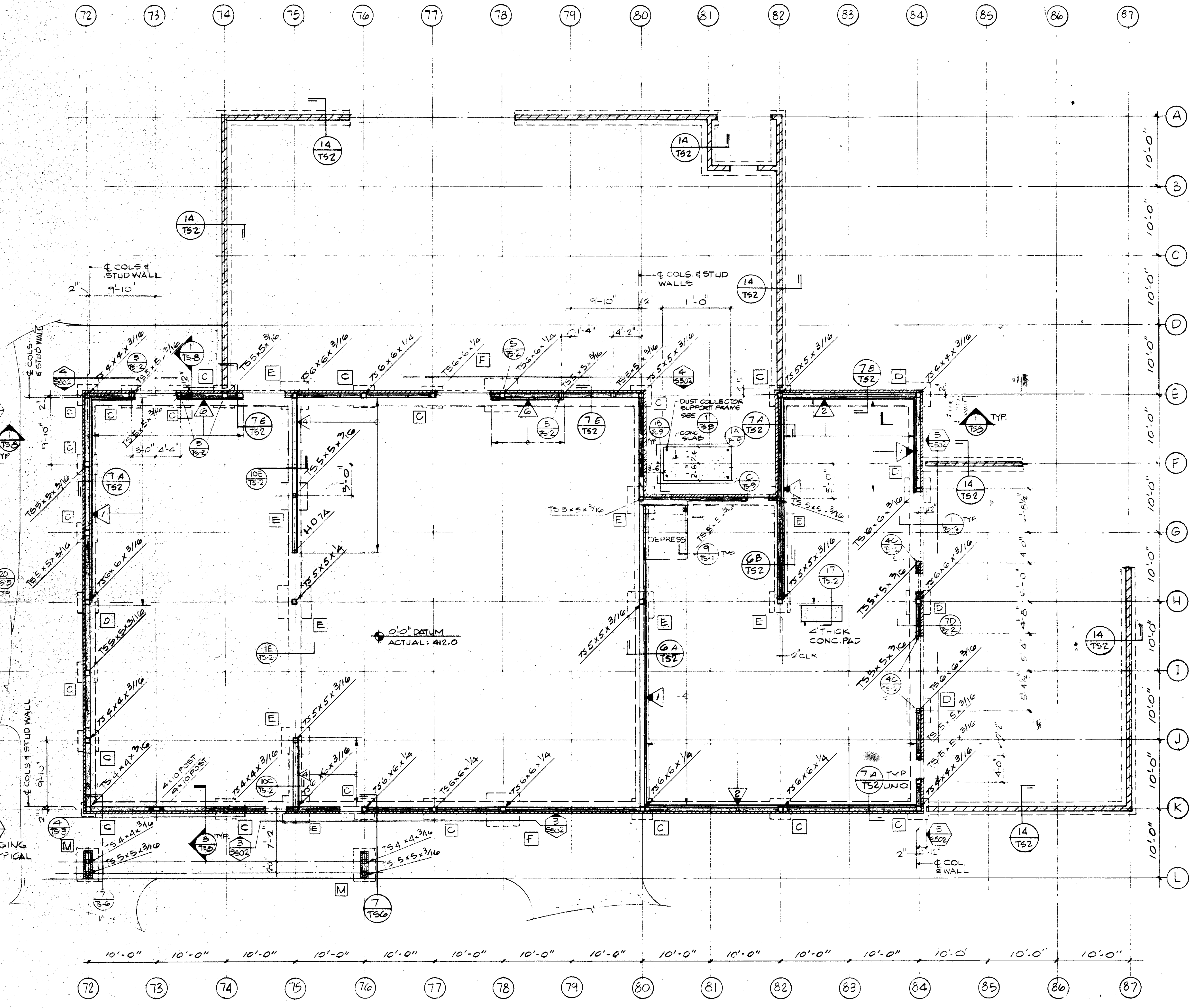
GYMNASIUM - BLDG. No. 1 - PART A
STEEL DETAILS

Sheet Number
S-124
Of Sheets


72
73
74
75
76
77
78
79
80
81
82
83
84
E
F
G
H
I
J
K
L
RIDGE
W14x22
W12x14
DBL. JOISTS
METAL CROSSBRIDGING @ 6'-0" O/C MAX TYPICAL

ROOF FRAMING PLAN

SCALE 1/8"=1'-0"


72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
A
B
C
D
E
F
G
H
I
J
K
L
0'-0" DATUM ACTUAL: 412.0
DUST COLLECTOR SUPPORT FRAME
DEPRESS
4" THICK CONC. PAD
10'-0"

FOUNDATION PLAN

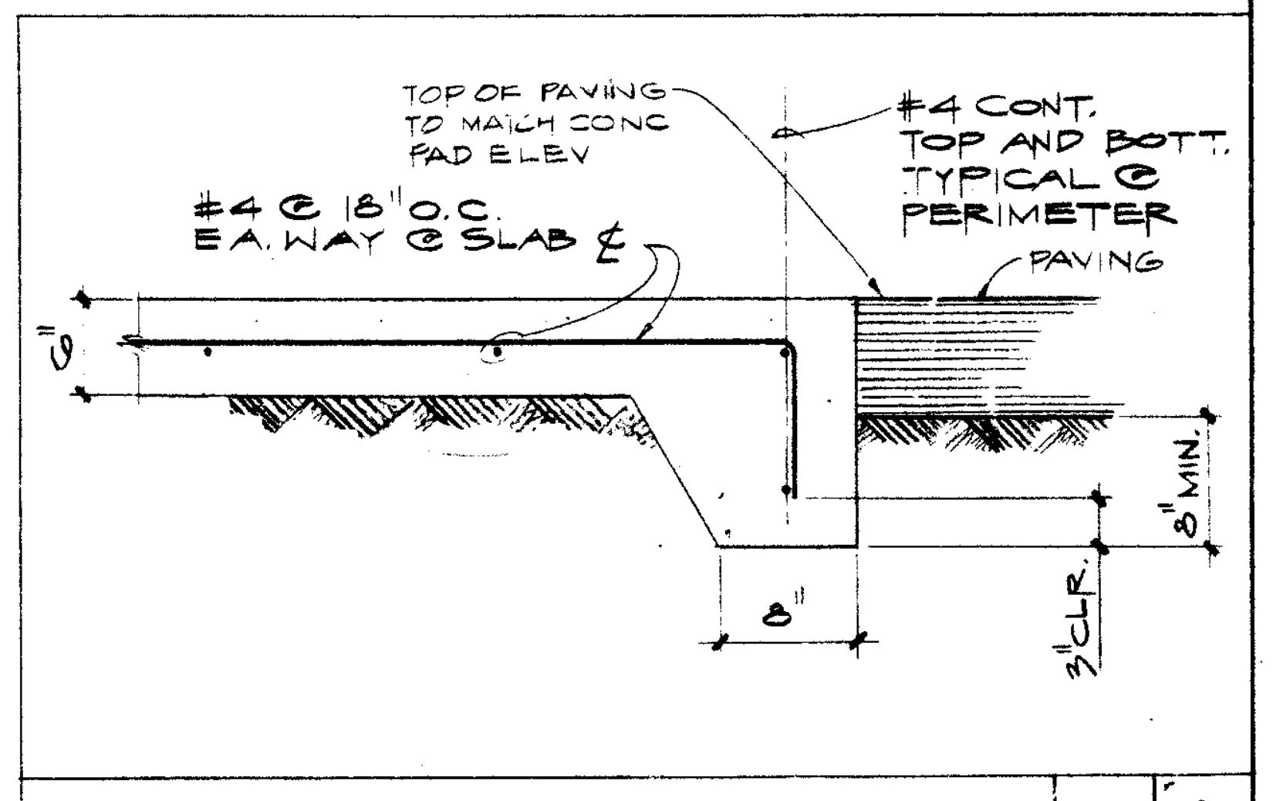
SCALE 1/8"=1'-0"

ROOF FRAMING PLAN NOTES:

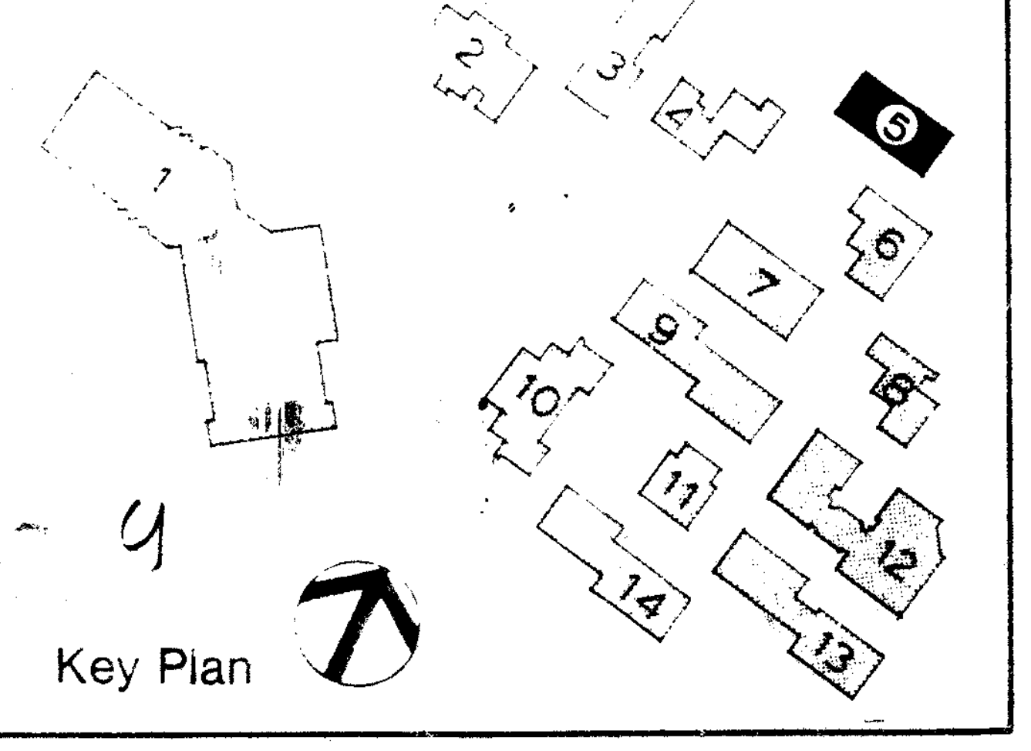
1. TYPICAL ROOF SHEATHING - 1/2" THICK PLYWOOD, U.N.O., SEE 6/TS1.
2. PROVIDE METAL CROSS BRIDGING BETWEEN PLYWOOD WEB JOIST PER 23/TS1, MAXIMUM SPACING AT 6'-0" O.C.
3. ⬭ INDICATES TOP OF PLYWOOD SHEATHING ELEVATION ABOVE FINISH FLOOR ELEVATION.
4. ▨ INDICATES MECHANICAL EQUIPMENT, FOR SUPPORT FRAMING SEE DETAIL 9/TS5.
   ⬡ INDICATES MAXIMUM OPERATING WEIGHT.
5. ◀ INDICATES 2-ROWS OF BOUNDARY NAILING REQUIRED. FOR FULL LENGTH OF BLDG
6. ━■━ INDICATES STACKED COLUMN, TS3½ x 3½ x 3/16 TYPICAL, U.N.O.
7. ⊢■⊣ INDICATES THRU COLUMN
   ⊢⊟⊣ INDICATES COLUM BELOW
   ⊢□⊣ INDICATES COLUMN STOPPING AT ROOF OR FLOOR
8. ➡ INDICATES DOWNWARD ROOF SLAB

FOUNDATION PLAN NOTES:

1. TYPICAL INTERIOR CONCRETE SLAB ON GRADE:
   5" CONCRETE SLAB REINFORCED W/ #4 @ 24" O.C. EA. WAY ON 2" SAND ON IMPERMEABLE POLYETHYLENE MEMBRANE ON COMPACTED ENGINEERED EARTHFILL. LOCATE REINFORCING AT ℄ SLAB.
2. A INDICATES FOOTING TYPES - SEE 2/TS-2.
3. B.O.F. (-) INDICATES BOTTOM OF FOOTING ELEVATION BELOW FINISH FLOOR ELEVATION.
   TYPICAL INTERIOR = (-)2'-6" U.N.O.
   TYPICAL EXTERIOR = (-)2'-6" U.N.O.
4. INDICATES PLYWOOD SHEARWALL, SEE SCHEDULE 6/TS4.
   INDICATES EXTENT OF SHEAR WALL
5. —INDICATES CONCRETE CURB. SEE ARCH. DETAIL 13/TD14
6. "HD7A" INDICATES HOLDOWN AT 4x10 POST-TYP. U.N.O., SEE 12/TS4
7. ALL EXTERIOR STUDS SHALL BE 10" STUDS @ 16" O.C., U.N.O., SEE ARCH.
8. TYPICAL BLOCK VENEER ANCHORAGE DETAIL, SEE 4/TS3.
9. "U.N.O." INDICATES UNLESS NOTED OTHERWISE.
10. 7B/TS-2 —INDICATES FOOTING SECTION.
    —INDICATES CONT. FTG. TYPE AND REINFORCING. SEE 9/TS-2.
    —INDICATES SHEET NUMBER.
11. CENTER LINE OF STEEL COL. AND STUD WALL COINCIDE
12. SEE 7/TS-4 FOR TYPICAL STUD WALL CONSTRUCTION


TOP OF PAVING TO MATCH CONC PAD ELEV
#4 CONT. TOP AND BOTT. TYPICAL @ PERIMETER
#4 @ 18" O.C. EA. WAY @ SLAB ℄
PAVING
6"
8"
8" MIN.
3" CLR.

SECTION | 1" | 1


1
2
3
4
5
6
7
8
9
10
11
12
13
14

Key Plan

Drawn By KW
Checked By SRU
Date MAR 1988
Commission No 1.30.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers
Mamoru E. Kanda

MAMORU E. KANDA
No 956
EXP 12-31-88

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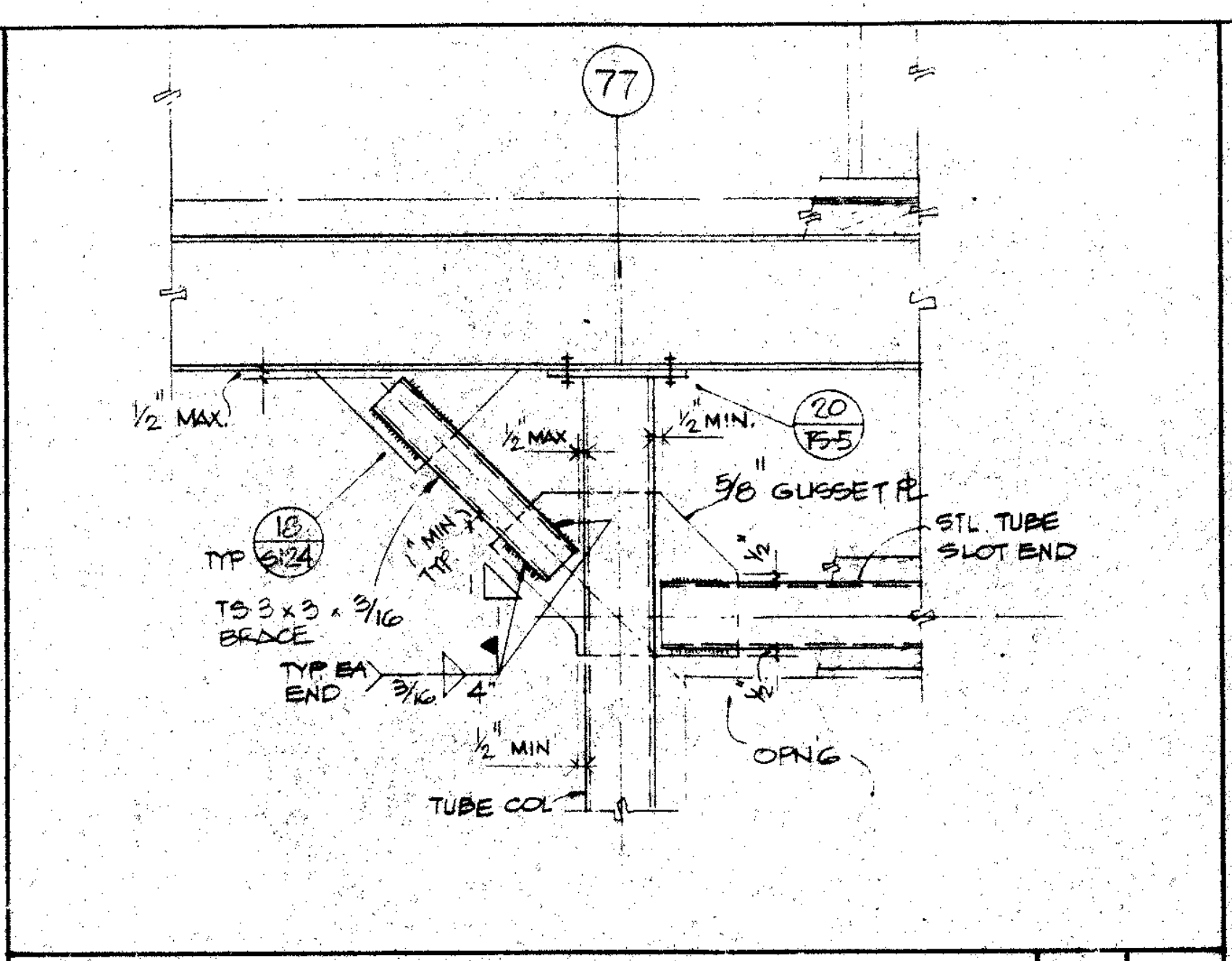
ARCHITECT
C-6497

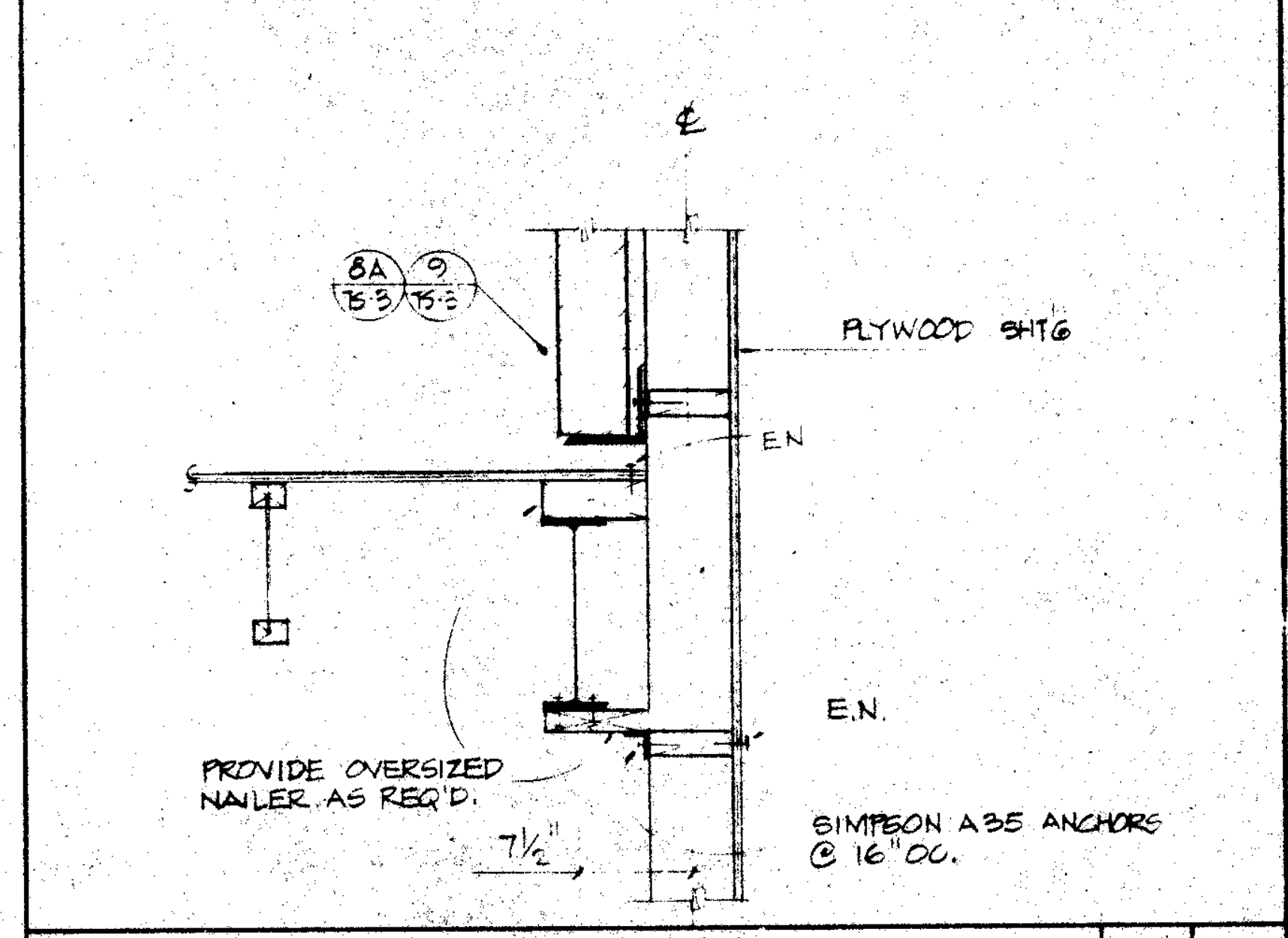
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Woodshop / Custodial - Bldg. No.5 Foundation and Roof Framing Plan

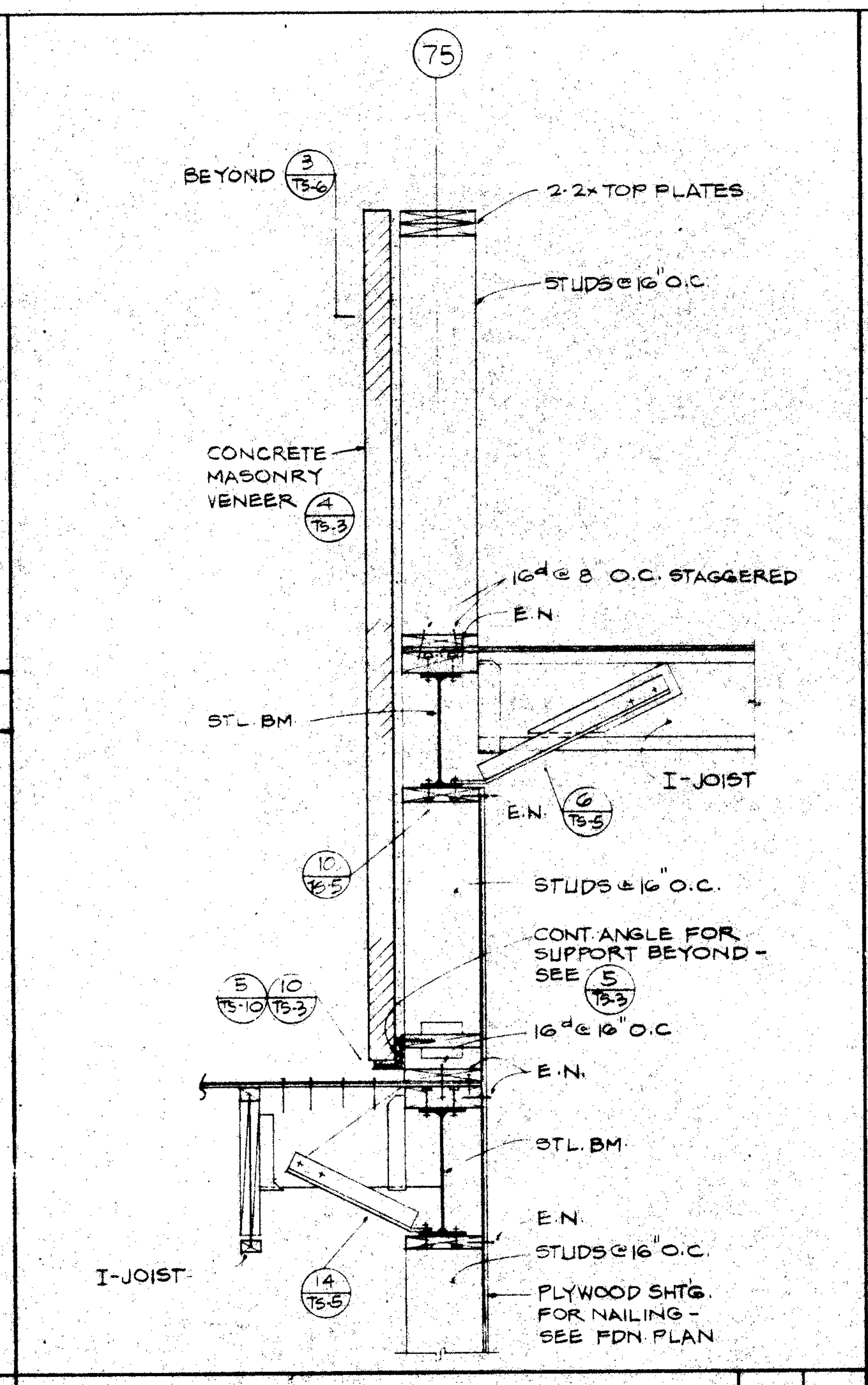
Sheet Number
S501
Of Sheets


77
½" MAX.
½" MIN.
20 TS-5
5/8 GUSSET PL
STL TUBE SLOT END
TYP 10 S-24
TS 3×3×3/16 BRACE
TYP BM END
½" MIN.
OPNG.
TUBE COL.

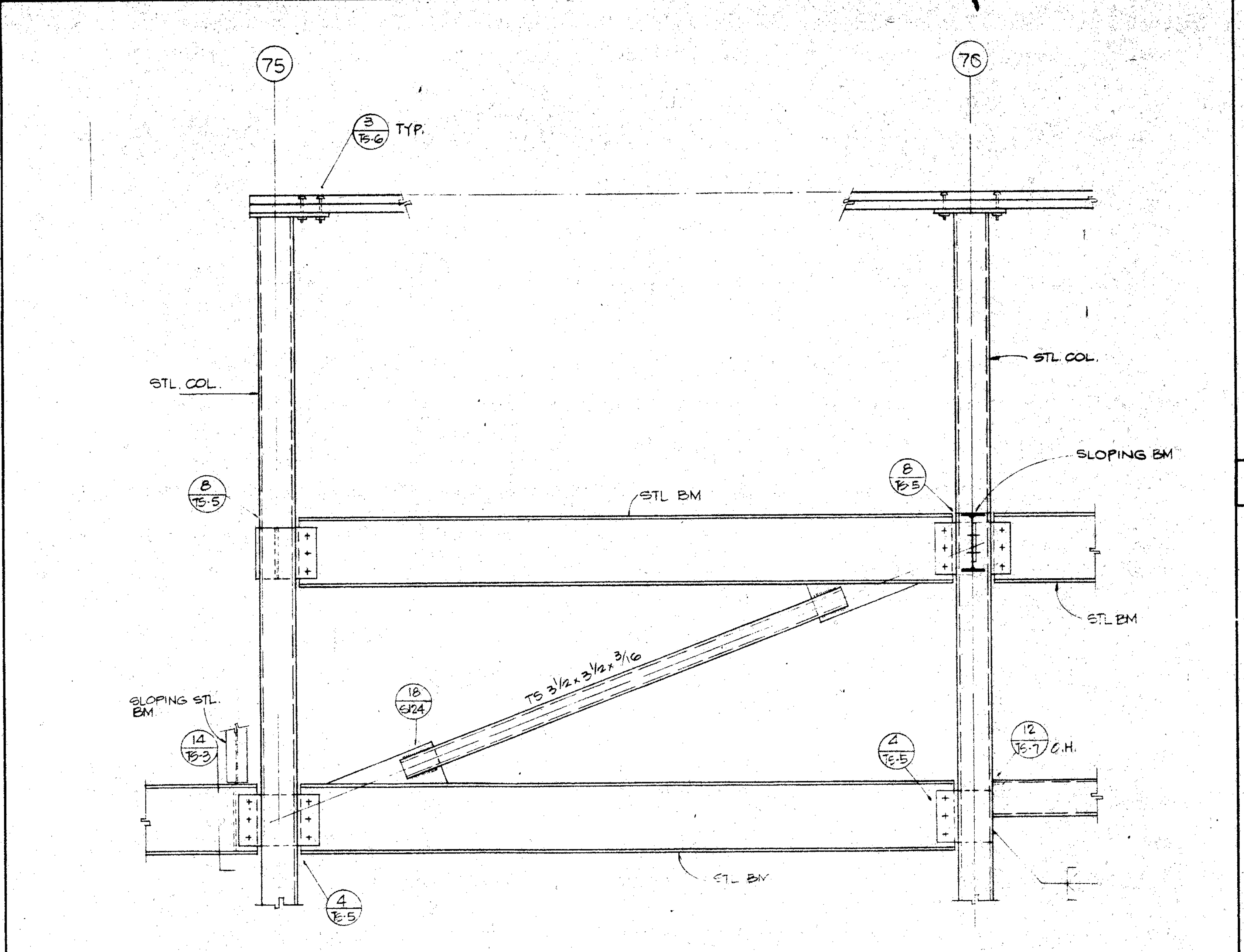
DETAIL 3/4" 19


℄
8A TS-3
9 TS-3
PLYWOOD SHT'G
E.N.
E.N.
PROVIDE OVERSIZED NAILER AS REQ'D.
7½"
SIMPSON A35 ANCHORS @ 16" O.C.

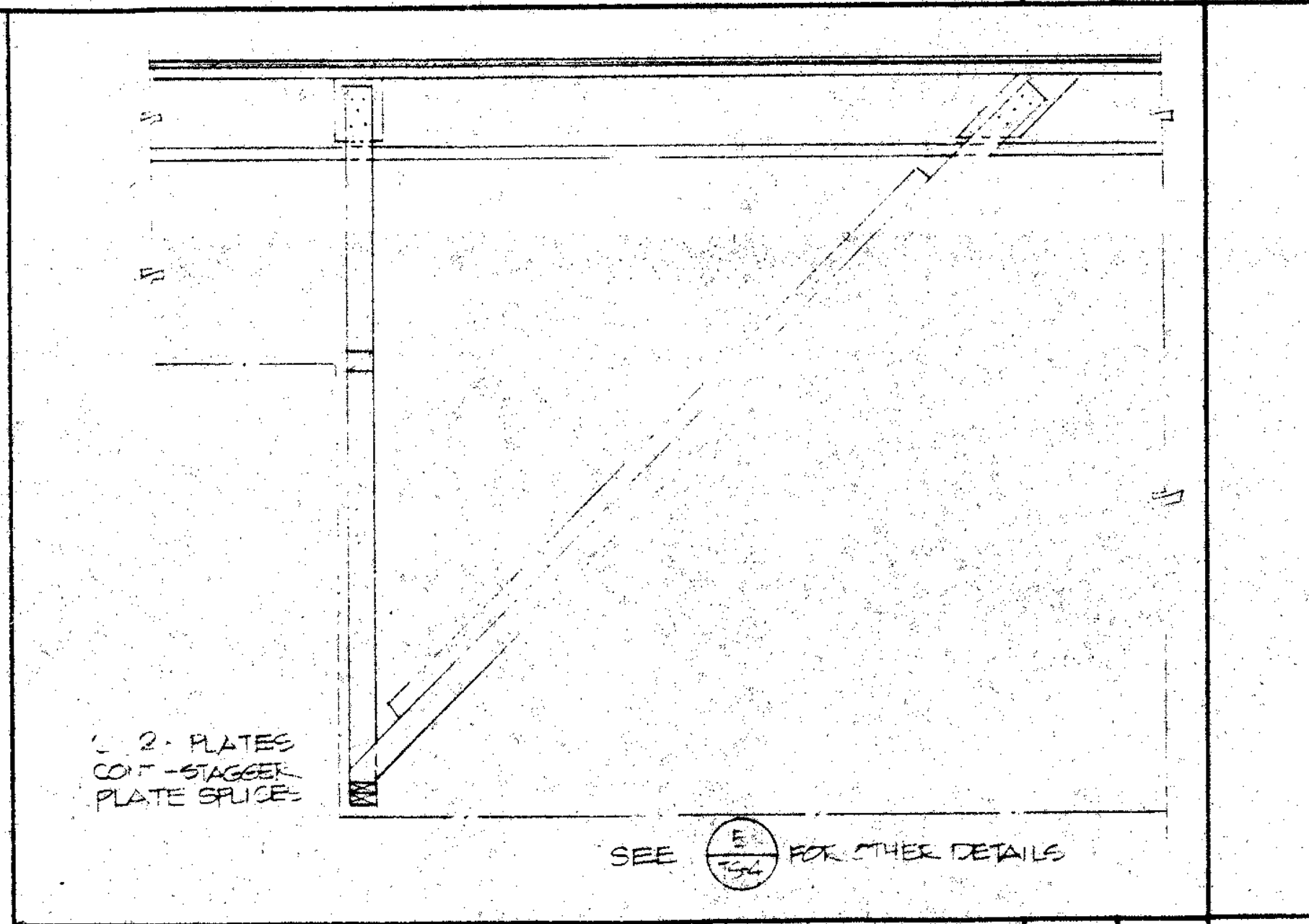
SECTION 18


75
BEYOND 3 TS-6
2-2× TOP PLATES
STUDS @ 16" O.C.
CONCRETE MASONRY VENEER 4 TS-3
16d @ 8" O.C. STAGGERED
E.N.
STL BM
6 TS-5
E.N.
I-JOIST
15 TS-3
STUDS @ 16" O.C.
CONT ANGLE FOR SUPPORT BEYOND - SEE 5 TS-3
5 TS-3
10 TS-3
16d @ 16" O.C.
E.N.
STL BM
E.N.
STUDS @ 16" O.C.
I-JOIST
14 TS-5
PLYWOOD SHT'G. FOR NAILING - SEE FDN PLAN

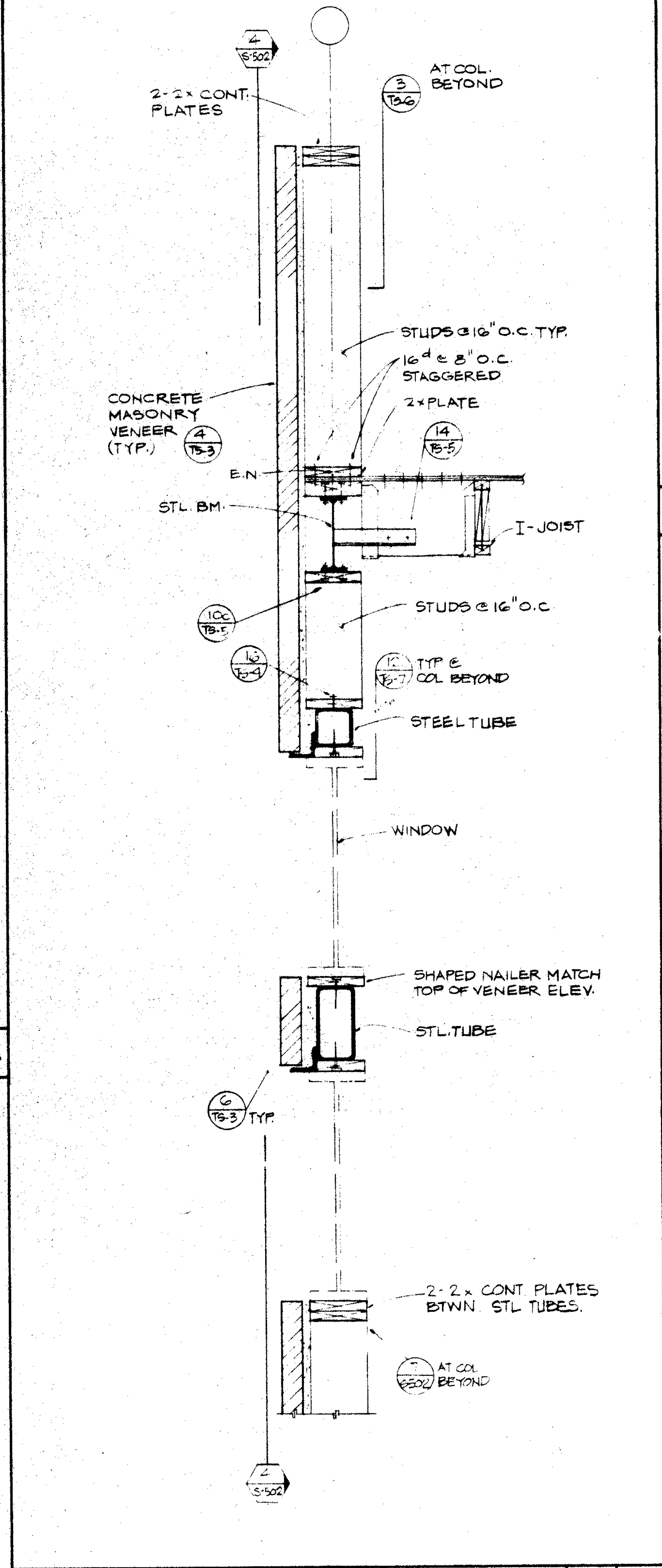
SECTION 3/4" 14


75
76
8 TS-6 TYP.
STL COL
STL COL
SLOPING BM
8 TS-5
8 TS-5
STL BM
STL BM
TS 3½×3½×3/16
18 S-24
SLOPING STL BM
14 TS-3
4 TS-5
12 TS-7 C.H.
STL BM
4 TS-5

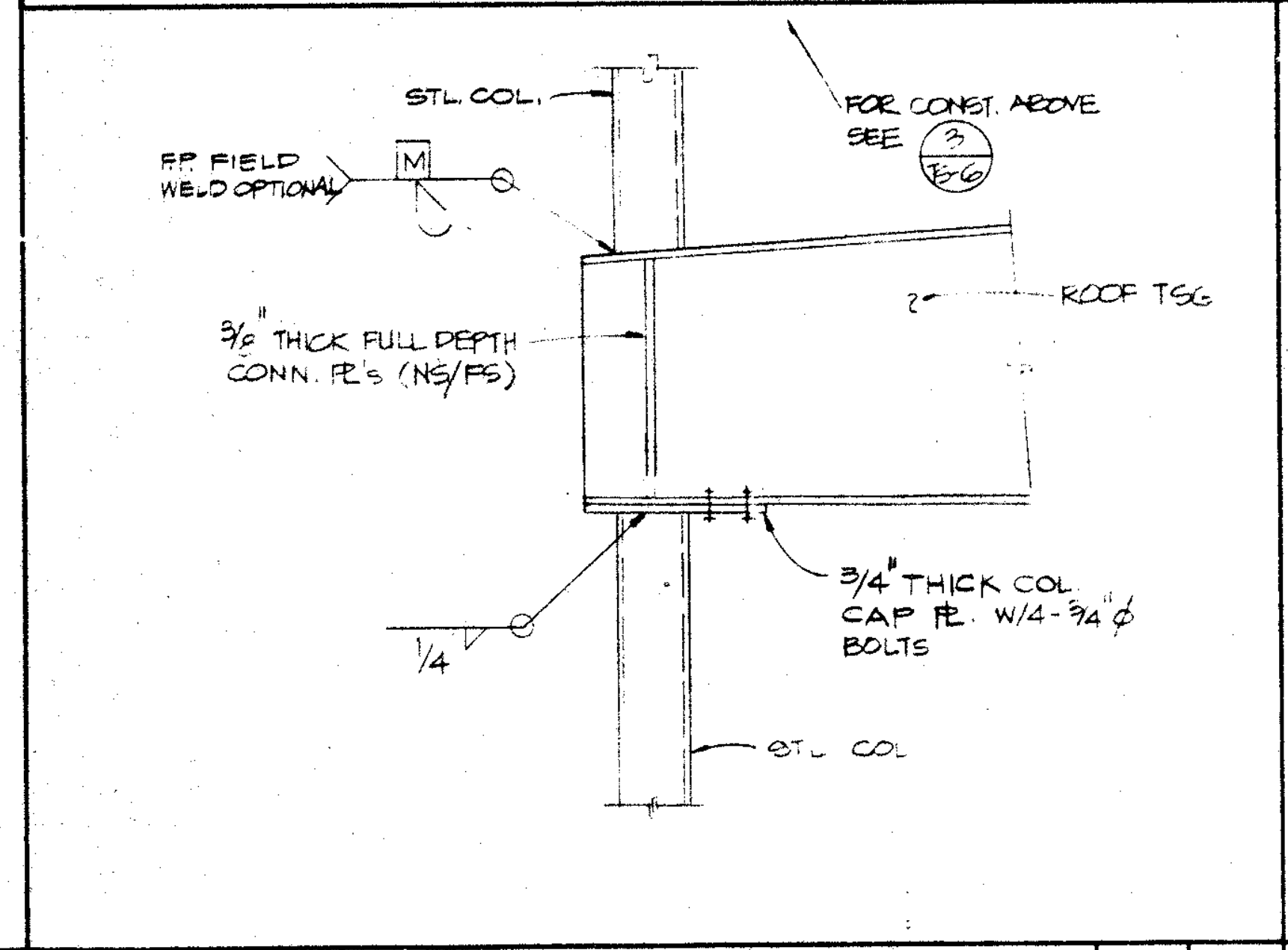
ELEVATION 3/4" 13


2-2× PLATES CONT - STAGGER PLATE SPLICES
SEE E S-501 FOR OTHER DETAILS

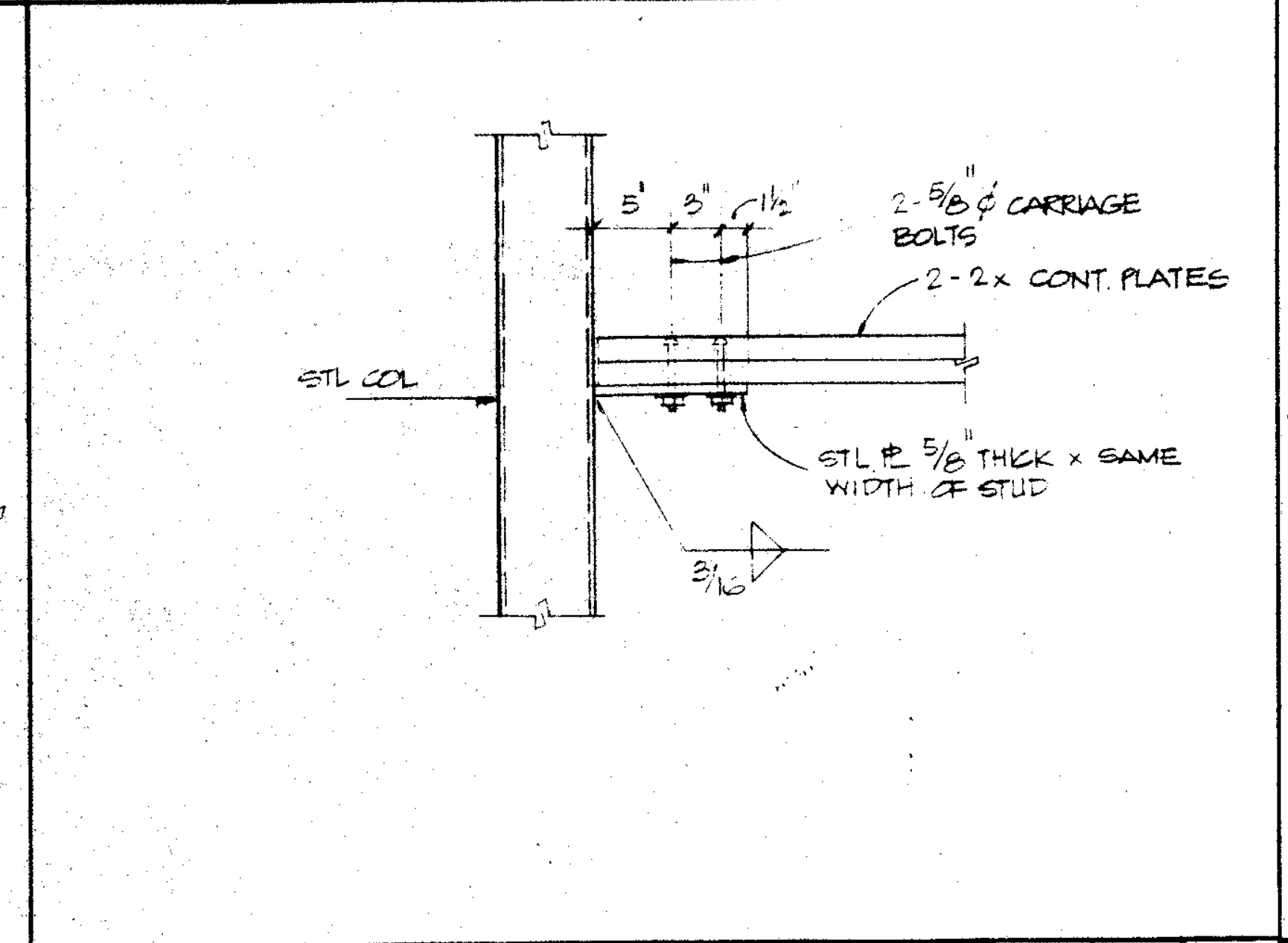
SECTION ½" 12


2 S-502
2-2× CONT PLATES
3 TS-6 AT COL BEYOND
STUDS @ 16" O.C. TYP.
16d @ 8" O.C. STAGGERED
2× PLATE
CONCRETE MASONRY VENEER 4 TS-3 (TYP.)
14 TS-5
E.N.
STL BM
I-JOIST
STUDS @ 16" O.C.
10 TS-5
TYP @ COL BEYOND
STEEL TUBE
WINDOW
SHAPED NAILER MATCH TOP OF VENEER ELEV.
STL TUBE
6 TS-3 TYP.
2-2× CONT PLATES BTWN STL TUBES
AT COL BEYOND
2 S-502

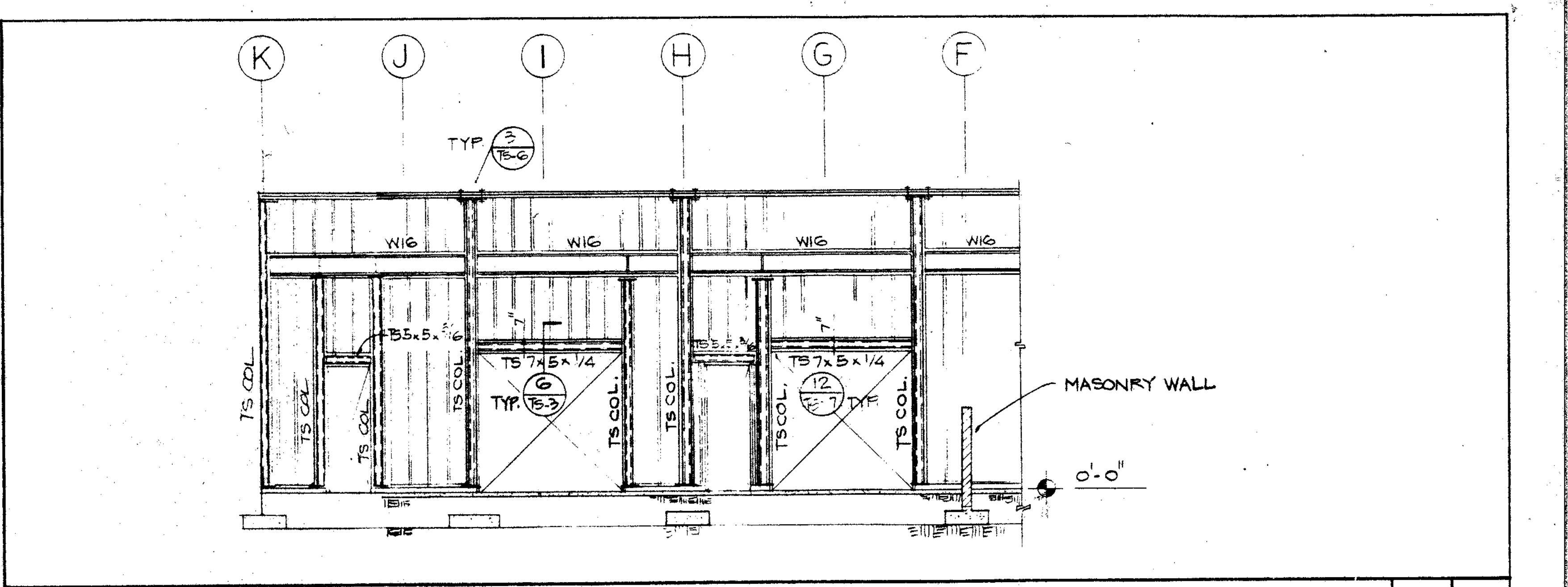
SECTION 3/4" 10


STL COL
FOR CONST ABOVE SEE 3 TS-6
FP FIELD WELD OPTIONAL
ROOF TSG
3/8" THICK FULL DEPTH CONN. PL'S (NS/FS)
3/4" THICK COL CAP PL W/4-3/4" ϕ BOLTS
1/4
STL COL

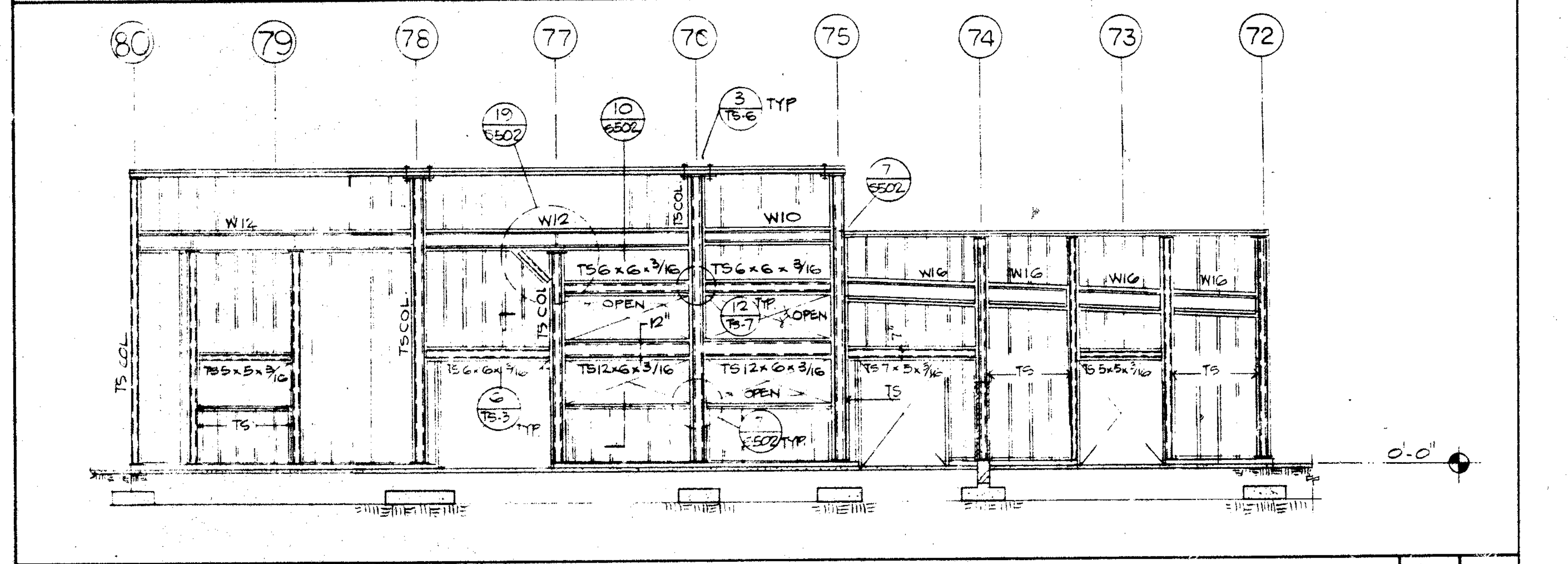
DETAIL 3/4" 8


3" 3" 1½
2-5/8" ϕ CARRIAGE BOLTS
2-2× CONT PLATES
STL COL
STL PL 5/16 THICK × SAME WIDTH OF STUD
3/16

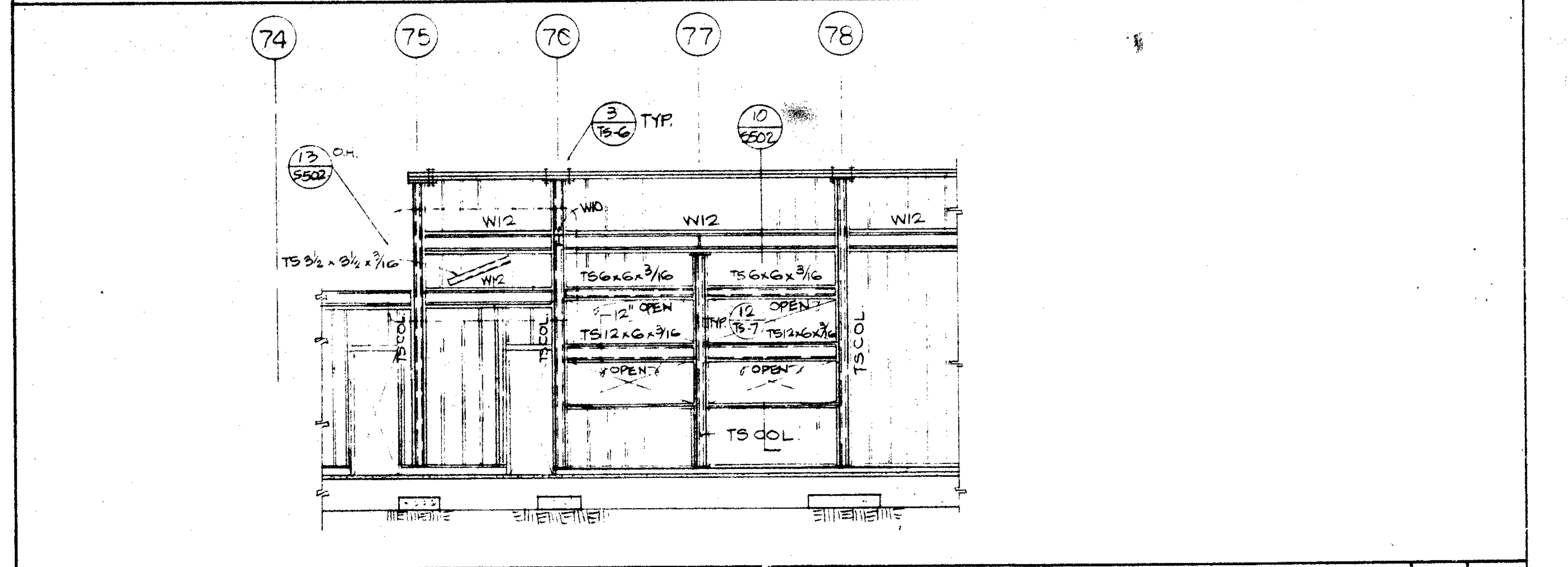
DETAIL 1" 7


K J I H G F
TYP 3 TS-6
W16 W16 W16 W16
TS COL
TS 7×5×1/4
TYP. 6 TS-3
TS 7×5×1/4
12 TS-7 TYP.
MASONRY WALL
0'-0"

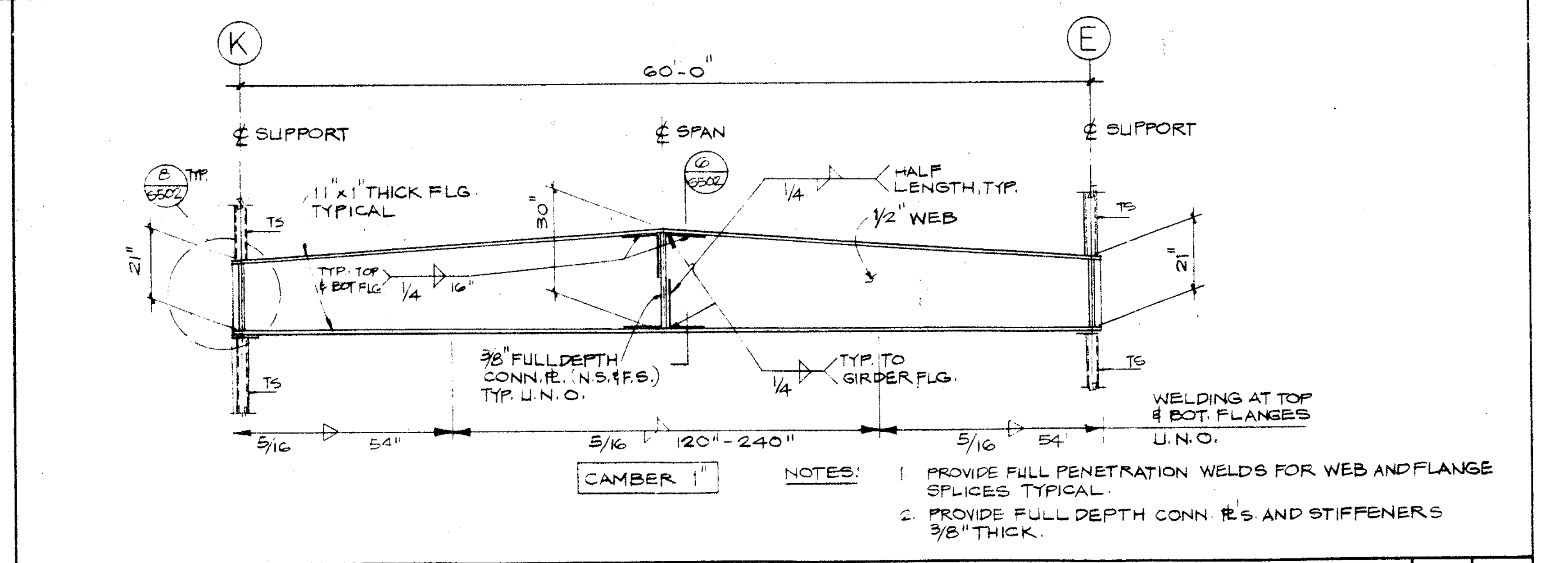
ELEVATION (ON GRID 84 LOOKING WEST) 1/8" 5


80 79 78 77 76 75 74 73 72
10 S-502
10 S-502
3 TS-6 TYP
7 S-502
W16 W12 W10 W12 W12
TS 6×6×3/16
TS 6×6×3/16
OPEN
TS 12×6×3/16
TS COL
0'-0"

ELEVATION (ON GRID E LOOKING SOUTH) 1/8" 4

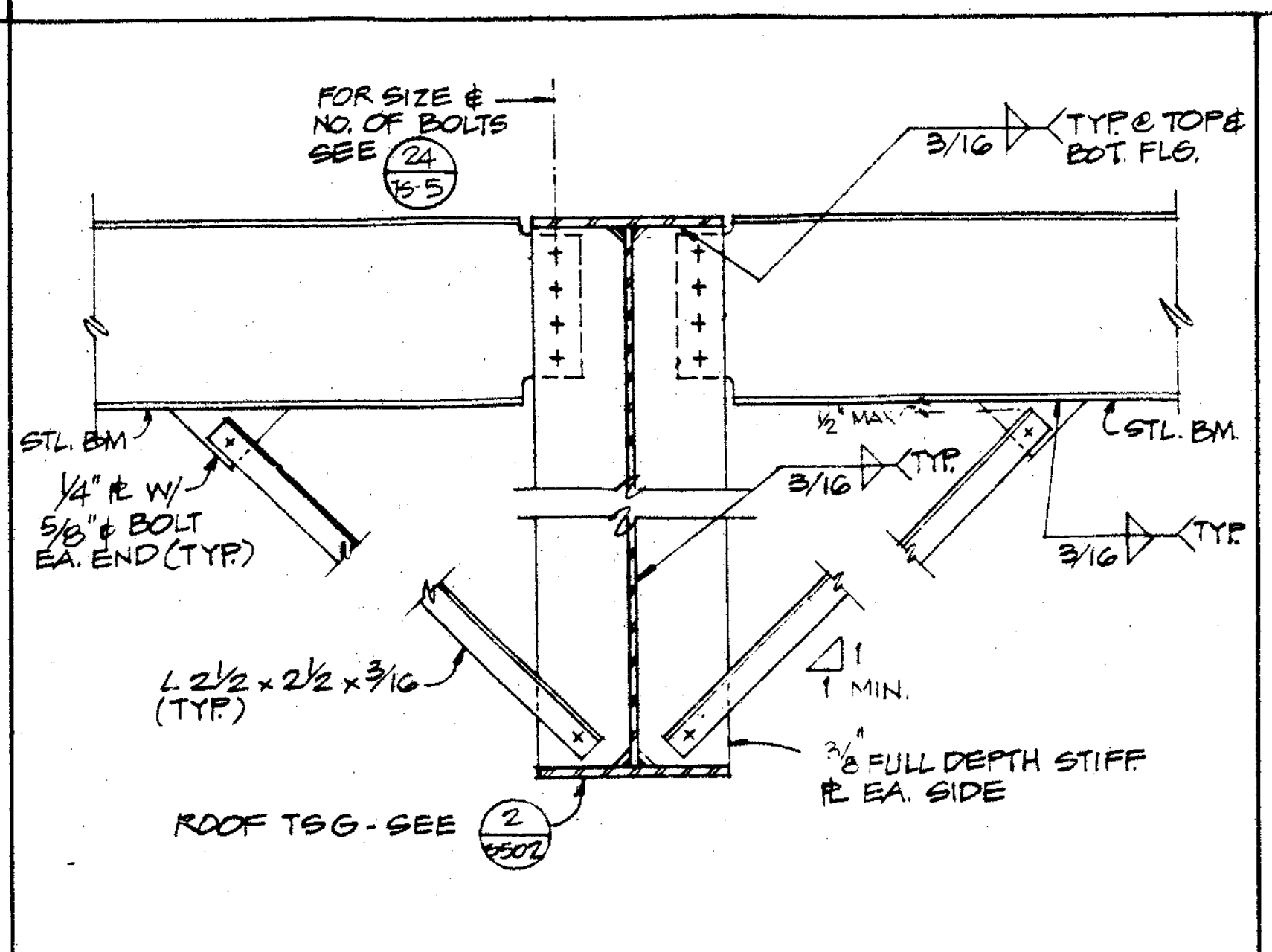

74 75 76 77 78
3 TS-6 TYP.
10 S-502
13 S-502
TS 3½×3½×3/16
W12 W12 W12
TS 6×6×3/16
TS 12×6×3/16
OPEN
TS COL
TS COL

ELEVATION (ON GRID K LOOKING NORTH) 1/8" 3

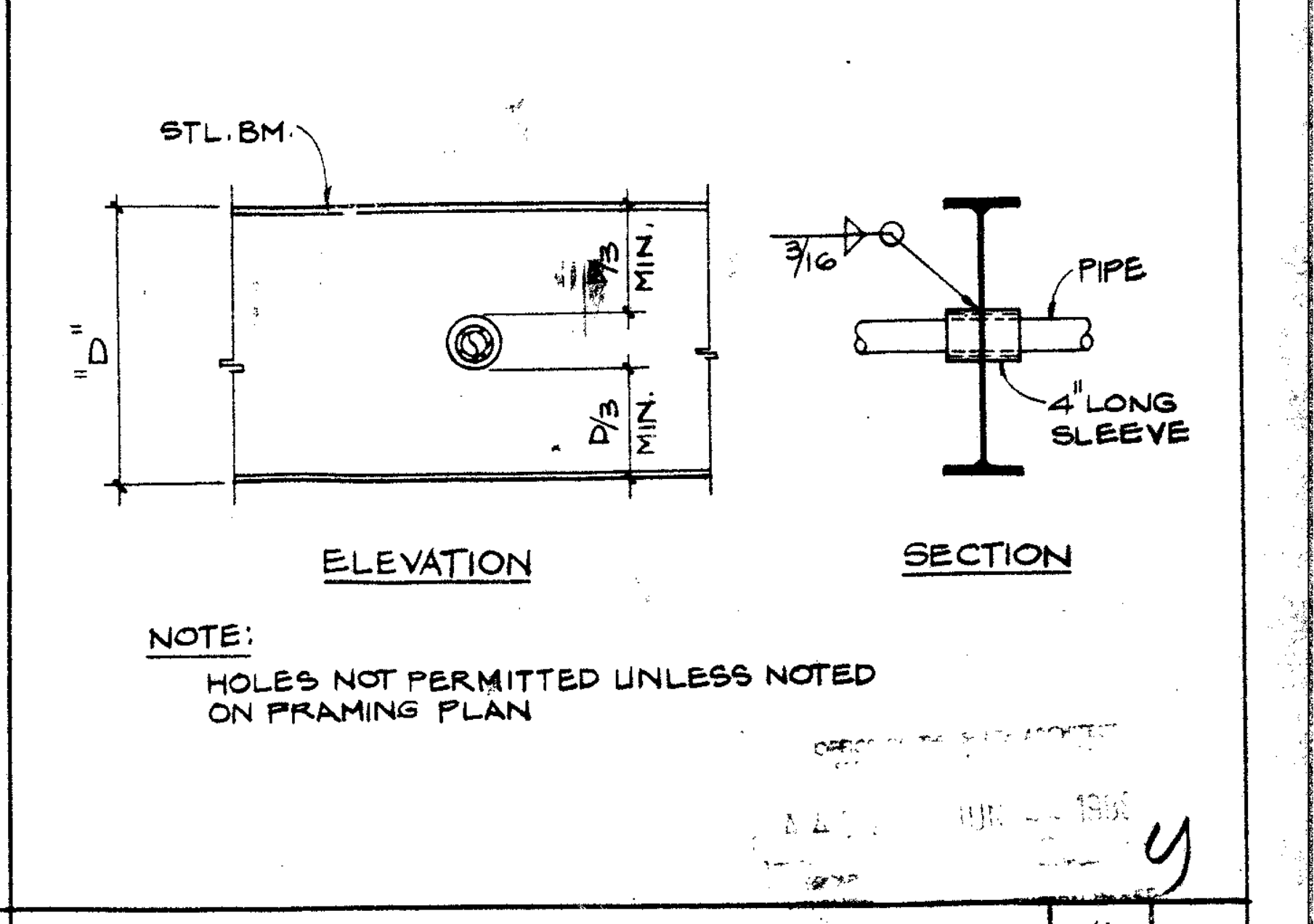

K
E
60'-0"
℄ SUPPORT
℄ SPAN
℄ SUPPORT
1" × 11" THICK FLG TYPICAL
HALF LENGTH, TYP.
½" WEB
30"
21"
21"
TYP. TOP & BOT FLG 1/4 16"
3/8" FULL DEPTH CONN PL (N.S./F.S.) TYP. U.N.O.
TYP. TO GIRDER FLG.
WELDING AT TOP & BOT. FLANGES U.N.O.
5/16 54"
5/16 120"-240"
5/16 54
CAMBER 1"

NOTES:
1. PROVIDE FULL PENETRATION WELDS FOR WEB AND FLANGE SPLICES TYPICAL.
2. PROVIDE FULL DEPTH CONN PL'S AND STIFFENERS 3/8" THICK.

TSG-1 TAPERED STEEL GIRDER ELEVATION NO SCALE 2


FOR SIZE & NO. OF BOLTS SEE 4 TS-5
3/16 TYP & TOP & BOT FLG
STL BM
1/4" PL W/ 5/8" ϕ BOLT EA. END (TYP)
STL BM
3/16 TYP
3/16 TYP
L 2½×2½×3/16 (TYP)
4" MIN.
3/8" FULL DEPTH STIFF PL EA. SIDE
ROOF TSG - SEE 2 S-502

DETAIL NO SCALE 6


STL BM
D
D/3 MIN.
D/3 MIN.
3/16
PIPE
4" LONG SLEEVE
ELEVATION
SECTION

NOTE:
HOLES NOT PERMITTED UNLESS NOTED ON FRAMING PLAN

TYP. SLEEVE THRU TSG NO SCALE 1

Drawn By MN
Checked By SRU
Date MAR. 1988
Commission No 1.30.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers

No. 956
EXP. 12-31-88

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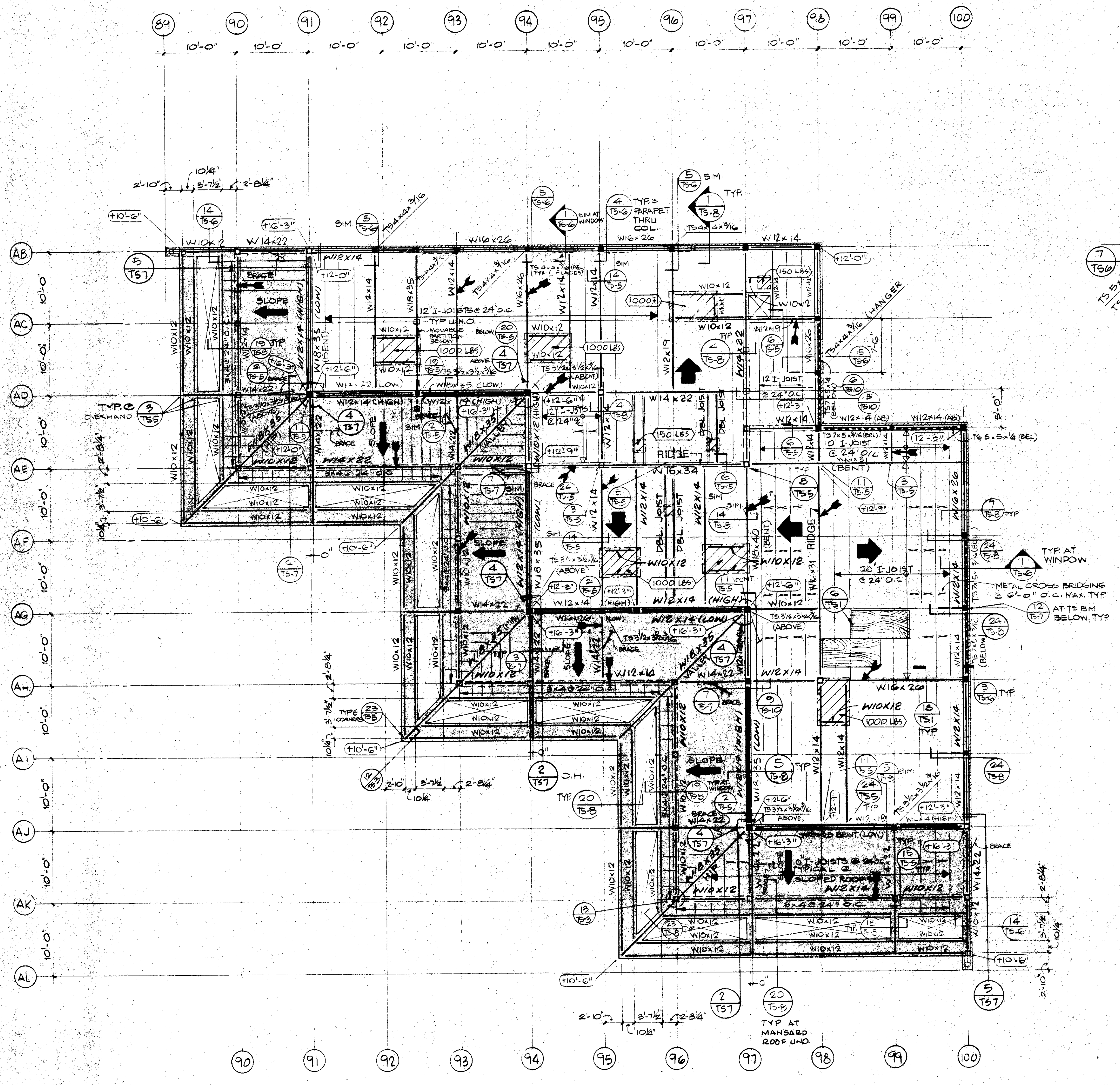
ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

WOODSHOP/ CUSTODIAL –
BUILDING No. 5
ELEVATIONS SECTIONS AND DETAILS

Sheet Number
S502
Of Sheets


89
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95
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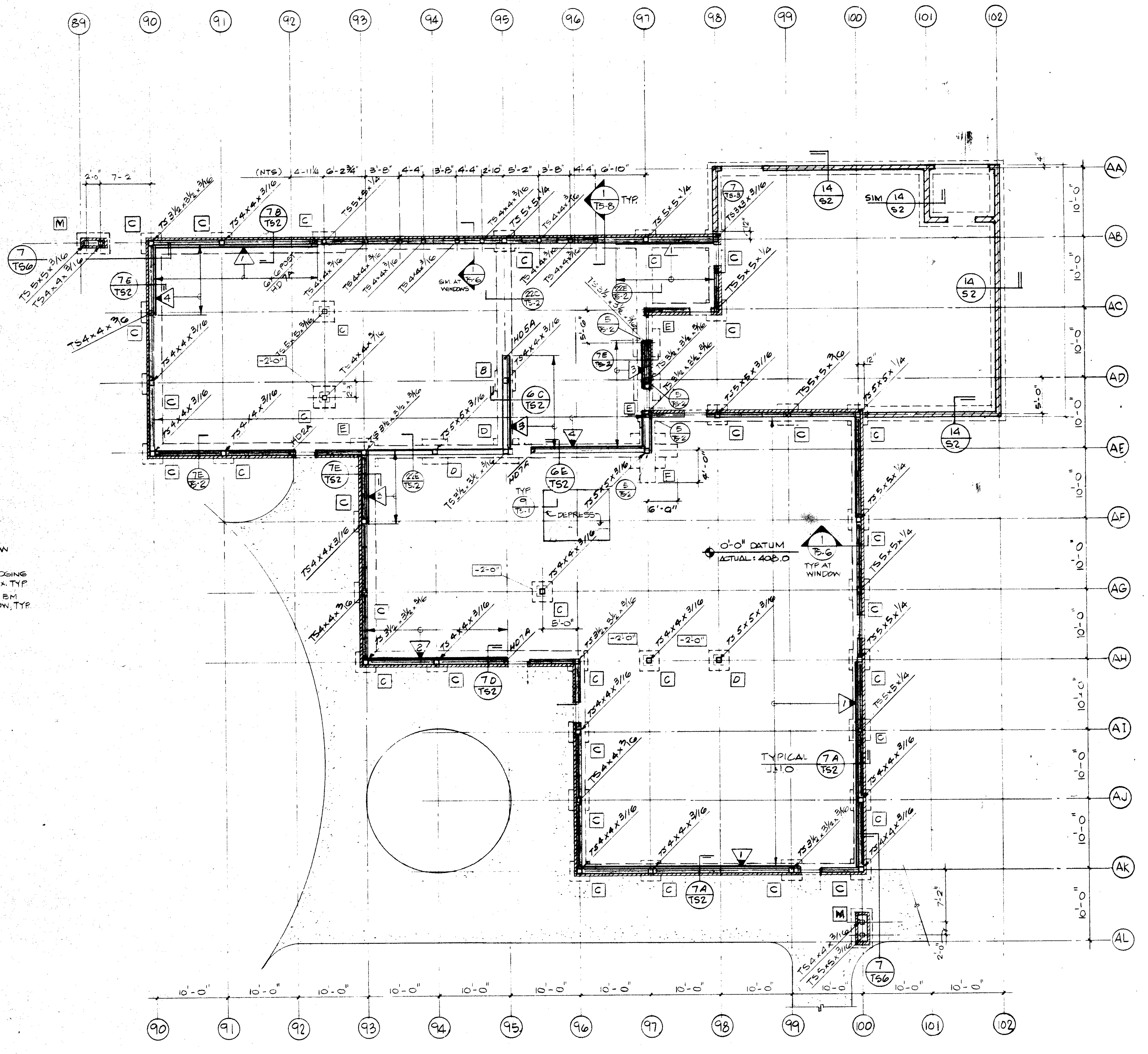
98
99
100
10'-0"
AB
AC
AD
AE
AF
AG
AH
AI
AJ
AK
AL
W14x22
W12x14
W16x26
W10x12
W18x35
12' I-JOIST @ 24" O.C.
SLOPE
RIDGE
HANGER
20' I-JOIST @ 24" O.C.
METAL CROSS BRIDGING @ 6'-0" O.C. MAX. TYP
TYP AT WINDOW
TYP AT MANSARD ROOF UNO
TYP. @ OVERHANG
DBL. JOIST
1000 LBS
+12'-9"
+10'-6"
+16'-3"

ROOF FRAMING PLAN

SCALE 1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. TYPICAL ROOF SHEATHING - 1/2" THICK PLYWOOD, U.N.O., SEE 6/TS1.
2. PROVIDE METAL CROSS BRIDGING BETWEEN PLYWOOD WEB JOIST PER 23/TS1. MAXIMUM SPACING AT 6'-0" O.C.
3. ⬭ INDICATES TOP OF PLYWOOD SHEATHING ELEVATION ABOVE FINISH FLOOR ELEVATION.
4. ▨ INDICATES MECHANICAL EQUIPMENT, FOR SUPPORT FRAMING SEE DETAIL 9/TS5.
⬭ INDICATES MAXIMUM OPERATING WEIGHT
5. ◀◀ INDICATES 2-ROWS OF BOUNDARY NAILING REQUIRED. FULL LENGTH OF BLDG.
6. ∫—■—∫ INDICATES STACKED COLUMN, TS3½ × [illegible] × 3/16 TYPICAL, U.N.O
7. ∫—■—∫ INDICATES THRU COLUMN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100
101
102
AA
AB
AC
AD
AE
AF
AG
AH
AI
AJ
AK
AL
10'-0"
TS4x4x3/16
TS5x5x1/4
0'-0" DATUM
ACTUAL: 408.0
TYP AT WINDOW
DEPRESS
TYPICAL
HD7A
-2'-0"
(NTS)

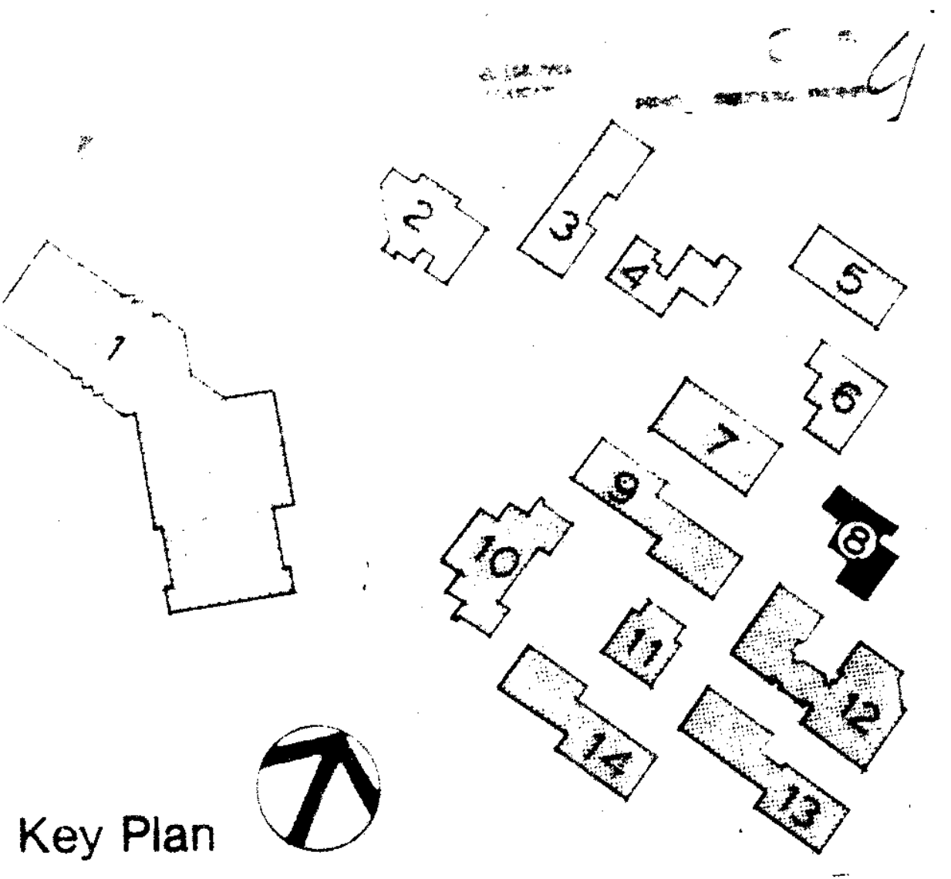
FOUNDATION PLAN

SCALE 1/8" = 1'-0"

11. DIMENSION AND GRID STATION INDICATE CENTER LINE OF STUD.
12. CENTER LINE OF STEEL COLUMN AND STUD WALL COINCIDE.
13. SEE 1/TS-4 FOR TYPICAL STUD WALL CONSTRUCTION

FOUNDATION PLAN NOTES:

1. TYPICAL INTERIOR CONCRETE SLAB ON GRADE:
   4" CONCRETE SLAB REINFORCED W/ #3 @ 24" O.C. EA. WAY ON 2" SAND ON IMPERMEABLE POLYETHYLENE MEMBRANE ON COMPACTED ENGINEERED EARTHFILL.
2. A INDICATES FOOTING TYPES SEE 2/TS-2.
3. B.O.F. (-) INDICATES BOTTOM OF FOOTING ELEVATION BELOW FINISH FLOOR ELEVATION.
   TYPICAL INTERIOR = (-)2'-6" U.N.O.
   TYPICAL EXTERIOR = (-)2'-6" U.N.O.
4. INDICATES PLYWOOD SHEARWALL, SEE SCHEDULE 6/TS4.
   INDICATES EXTENT OF SHEAR WALL
5. INDICATES CONCRETE CURB. SEE ARCH DETAIL 13/TD14
6. "HD7A" INDICATES HOLDOWN AT 4 × 6 POST - TYP. U.N.O. SEE 12/TS4
7. ALL EXTERIOR STUDS SHALL BE 6" MIN @ 16" O.C., U.N.O., SEE ARCH PLANS FOR SIZE OF STUDS
8. TYPICAL BLOCK VENEER ANCHORAGE DETAIL, SEE 4/TS3.
9. "U.N.O." INDICATES UNLESS NOTED OTHERWISE.
10. 7B/TS-2 INDICATES FOOTING SECTION.
    INDICATES FOOTING TYPE AND REINFORCING SEE 9/TS-2.
    INDICATES SHEET NUMBER.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Key Plan

Drawn By KW
Checked By SRU
Date MAR 1988
1.30.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers

MAMORU E. KANDA
No 956
EXP 12.31.88

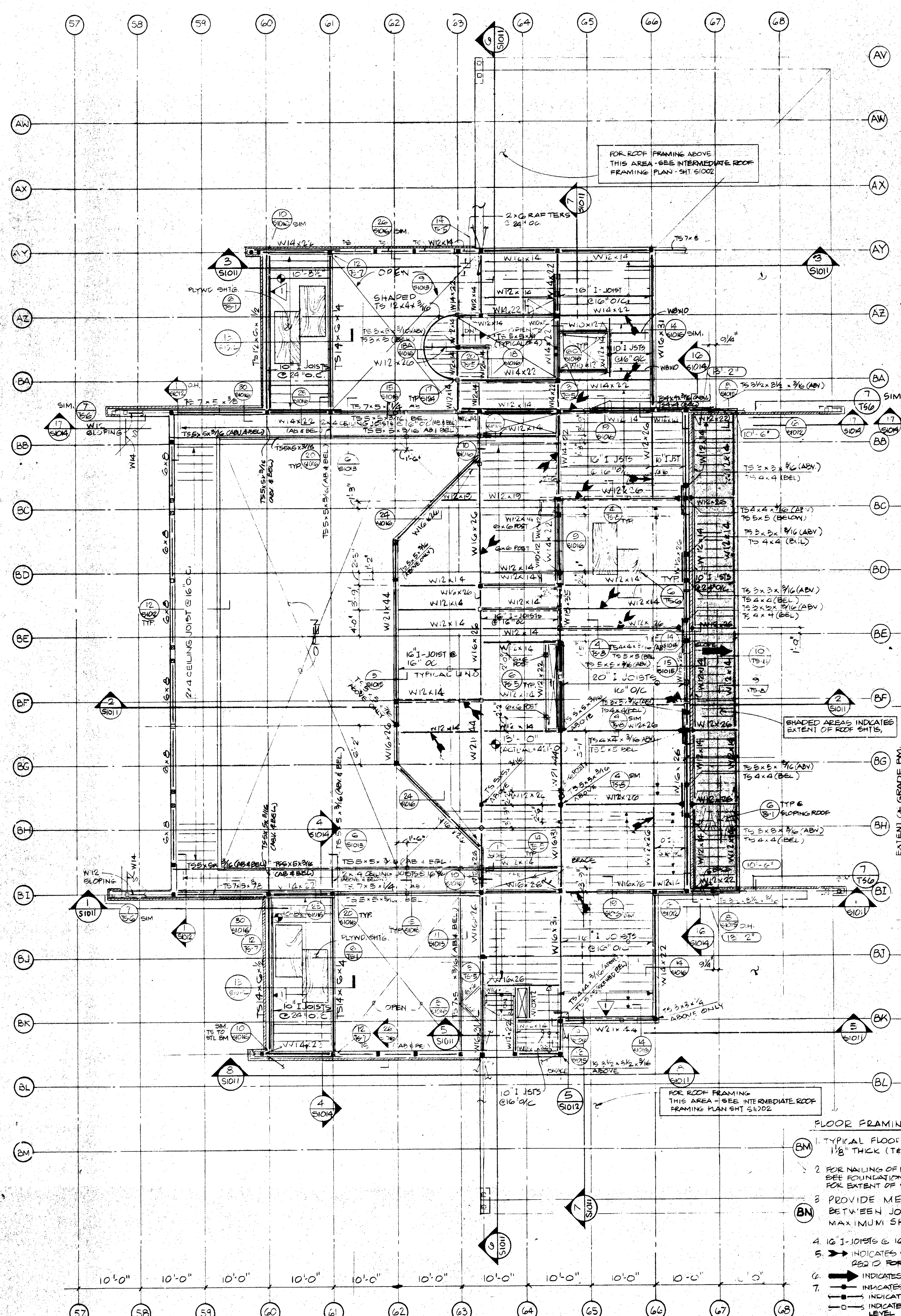
Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Home Economics
Bldg. No. 8 Foundation and
Roof Framing Plan

Sheet Number
S801
Of Sheets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BG
BH
BI
BJ
BK
BL
BM
BN
FOR ROOF FRAMING ABOVE THIS AREA - SEE INTERMEDIATE ROOF FRAMING PLAN - SHT S1002
2×6 RAFTERS @ 24" OC
SHADED AREAS INDICATES EXTENT OF ROOF SHTG.
FOR ROOF FRAMING THIS AREA - SEE INTERMEDIATE ROOF FRAMING PLAN SHT S1202
2×4 CEILING JOISTS @ 16" O.C.
16" I-JOIST @ 16" OC TYPICAL U.N.O.
OPEN
10'-0"

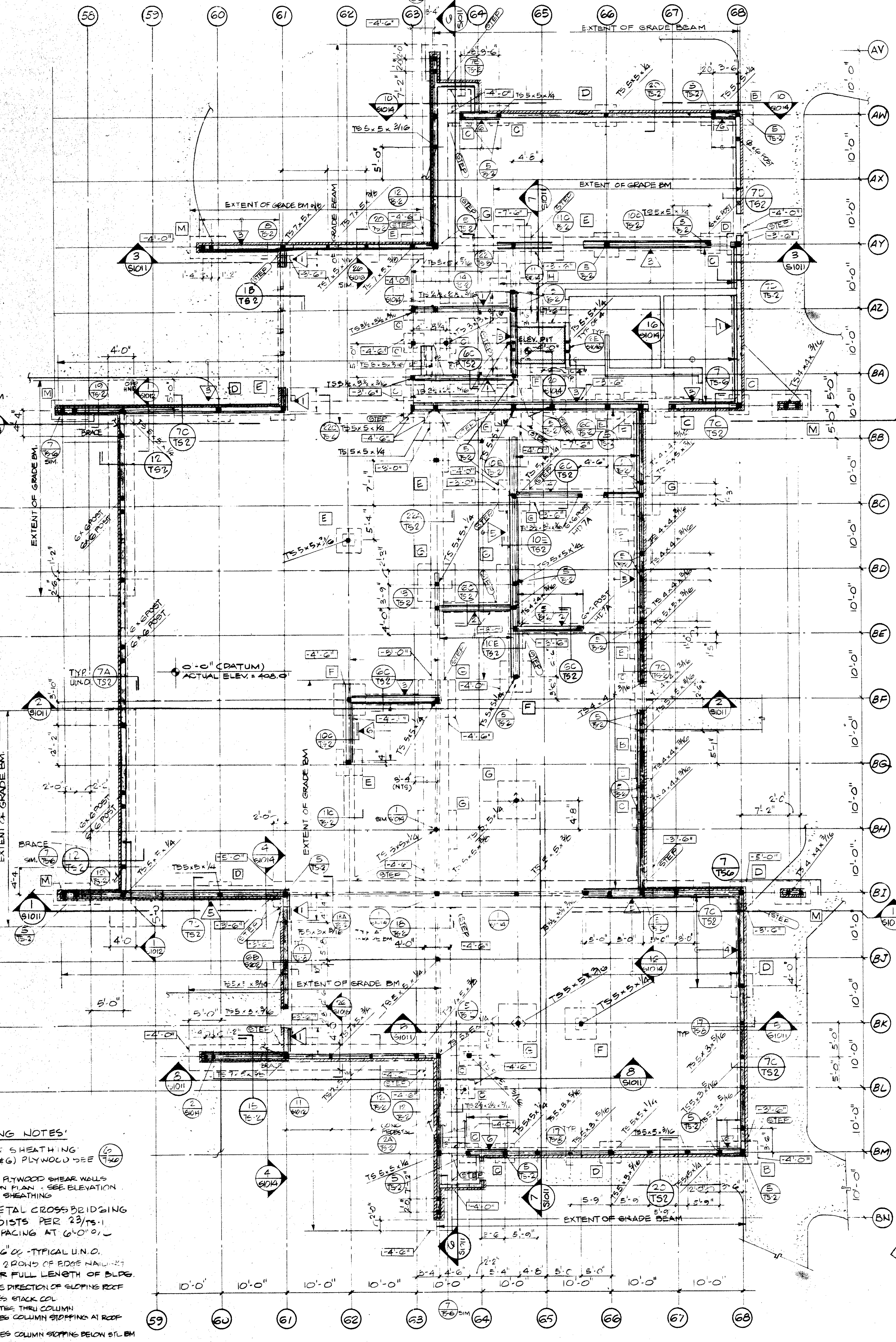
SECOND FLOOR FRAMING PLAN

1/8" = 1'-0"

FLOOR FRAMING NOTES:

1. TYPICAL FLOOR SHEATHING 1 1/8" THICK (T&G) PLYWOOD SEE 6/TS6
2. FOR NAILING OF PLYWOOD SHEAR WALLS SEE FOUNDATION PLAN - SEE ELEVATION FOR EXTENT OF SHEATHING
3. PROVIDE METAL CROSSBRIDGING BETWEEN JOISTS PER 23/TS-1 MAXIMUM SPACING AT 6'-0" O/C
4. 16" I-JOISTS @ 16" OC - TYPICAL U.N.O.
5. ➤➤ INDICATES 2 ROWS OF EDGE NAILING REQ'D FOR FULL LENGTH OF BLDG.
6. ➡ INDICATES DIRECTION OF SLOPING ROOF
7. —●— INDICATES STACK COL
—■— INDICATES THRU COLUMN
—□— INDICATES COLUMN STOPPING AT ROOF LEVEL
—⊟— INDICATES COLUMN STOPPING BELOW STL BM

N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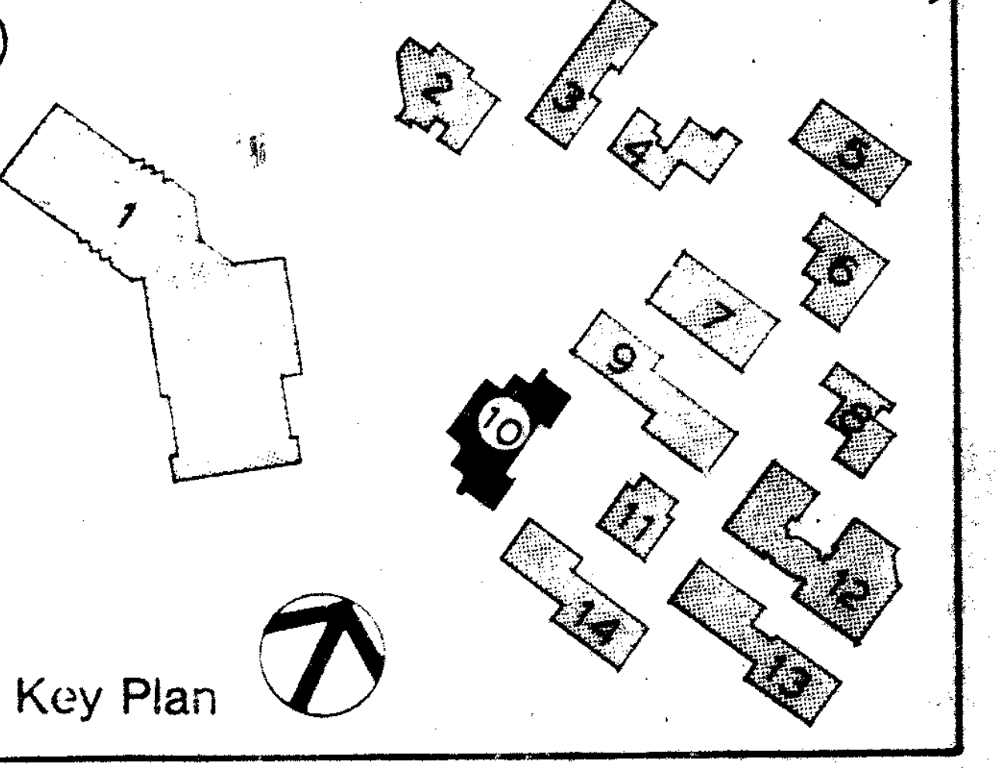
AV
AW
AX
AY
AZ
BA
BB
BC
BD
BE
BF
BG
BH
BI
BJ
BK
BL
BM
BN
EXTENT OF GRADE BEAM
EXTENT OF GRADE BM.
0'-0" (DATUM) ACTUAL ELEV. = 408.0'
ELEV. PIT
STEP
BRACE
10'-0"

FOUNDATION PLAN

1/8" = 1'-0"

FOUNDATION NOTES:

1. ALL TUBE COLUMNS SHALL BE TS 5×5×3/16 EXCEPT AS NOTED OTHERWISE ON THE PLANS
2. A INDICATE COLUMN FOOTING TYPES SEE 2/TS2
3. ▭ INDICATES ELEVATION AT BOTT. OF FOOTING BELOW FINISH FLR.
TYPICAL INTERIOR = (-)3'-0" UNO
TYPICAL EXTERIOR: (-)3'-6" UNO
4. INDICATES PLYWOOD SHEAR WALL, SEE SCHEDULE 6/TS4
INDICATES EXTENT OF SHEAR WALL
5. INDICATES CONCRETE CURB. SEE ARCH. DETAIL 13/TD-14.
6. TYPICAL INTERIOR CONC. SLAB ON GRADE: 4" CONCRETE, REINFORCED W/ #3 BARS @ 24" O.C. EA. WAY ON 2" SAND BASE OVER IMPERMEABLE POLYETHYLENE MEMBRANE ON COMPACTED, ENGINEERED EARTH FILL
7. "HD7A" INDICATE HOLDOWN ANCHOR SEE 12/TS4
8. —(STEP) INDICATES STEP IN FOOTING PER 7/TS1
9. DIMENSIONS AND GRID STATIONS INDICATES CENTER LINE OF STUD
10. CENTER LINE OF STEEL COL. & STUD WALL COINCIDE
11. SEE 1/TS-4 FOR TYPICAL STUD WALL CONSTRUCTION
12. SEE ARCH. FLOOR PLAN FOR SIZE OF STUDS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Key Plan

Drawn By MN
Checked By SRU
Date MAR 1983
Commission No. 1.30.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers

No. 956

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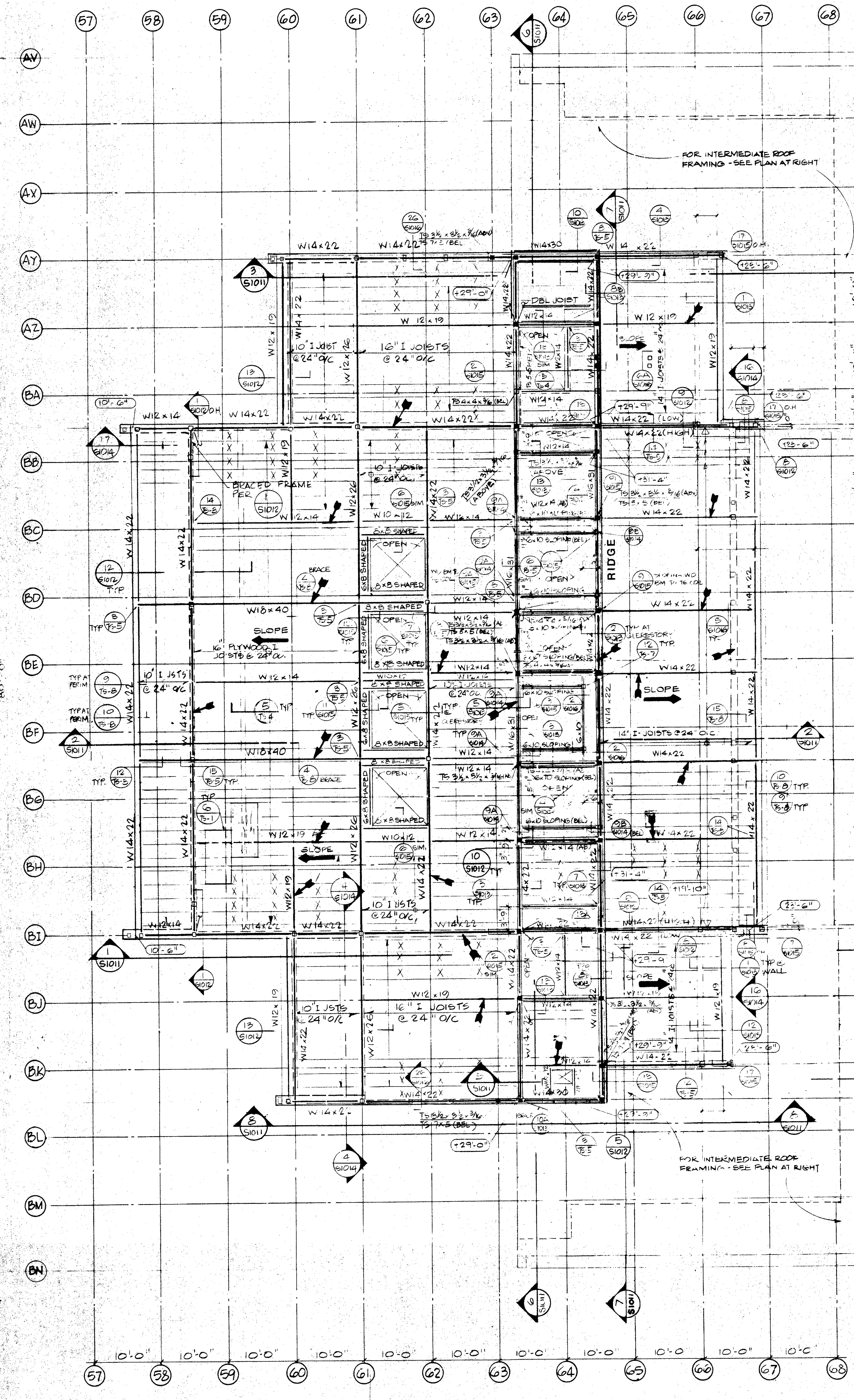
ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Library / Guidance Center - Bldg. No. 10 Foundation and Second Floor Framing Plan

Sheet Number
S1001
Of Sheets


FOR INTERMEDIATE ROOF FRAMING - SEE PLAN AT RIGHT
BRACED FRAME PER
RIDGE
SLOPE
OPEN
10'' I JOIST @ 24" O/C
16" I JOISTS @ 24" O/C
W14x22
W12x19
W18x40
57
58
59
60
61
62
63
64
65
66
67
68
AV
AW
AX
AY
AZ
BA
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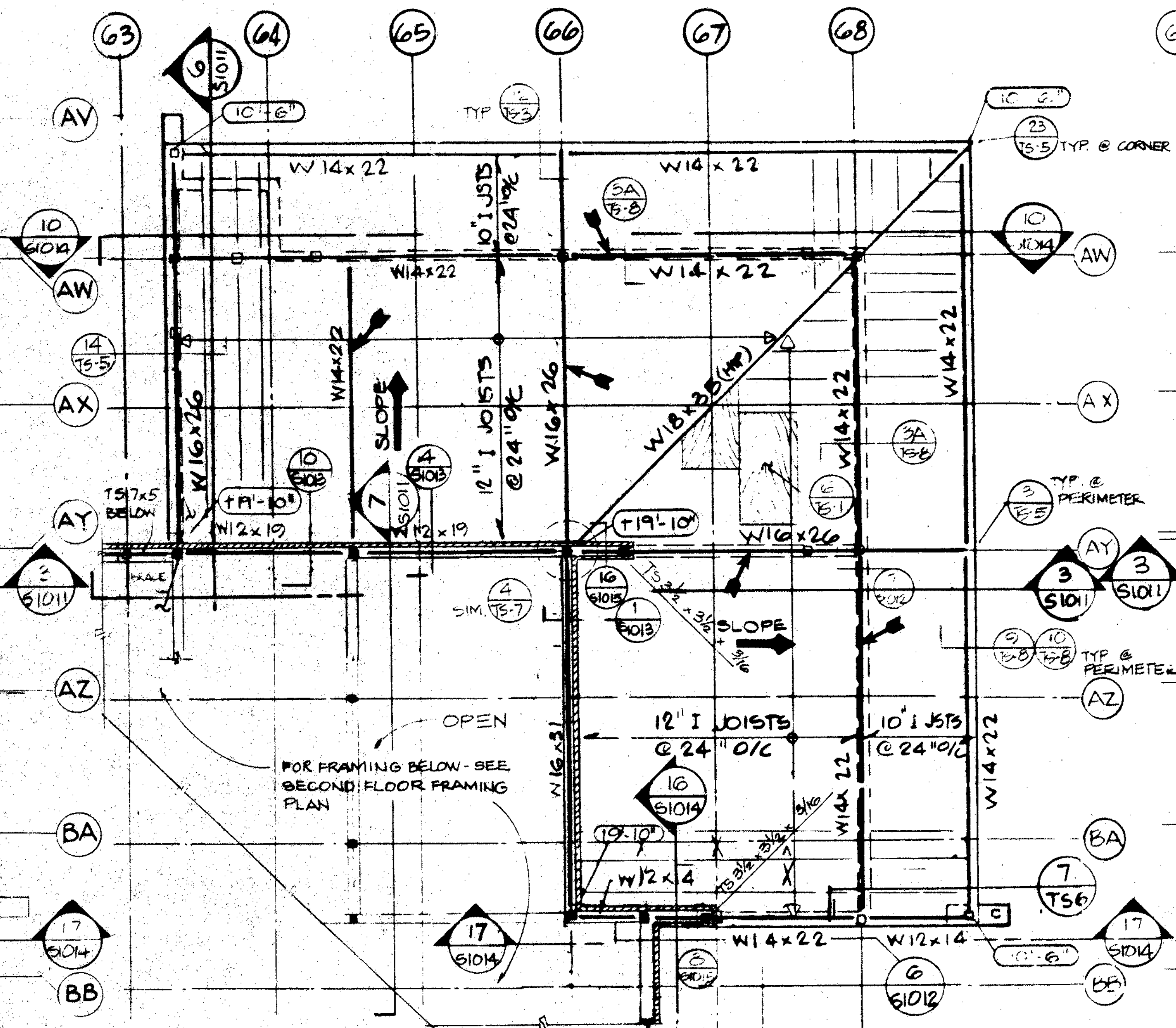
ROOF FRAMING PLAN

1/8"=1'-0"

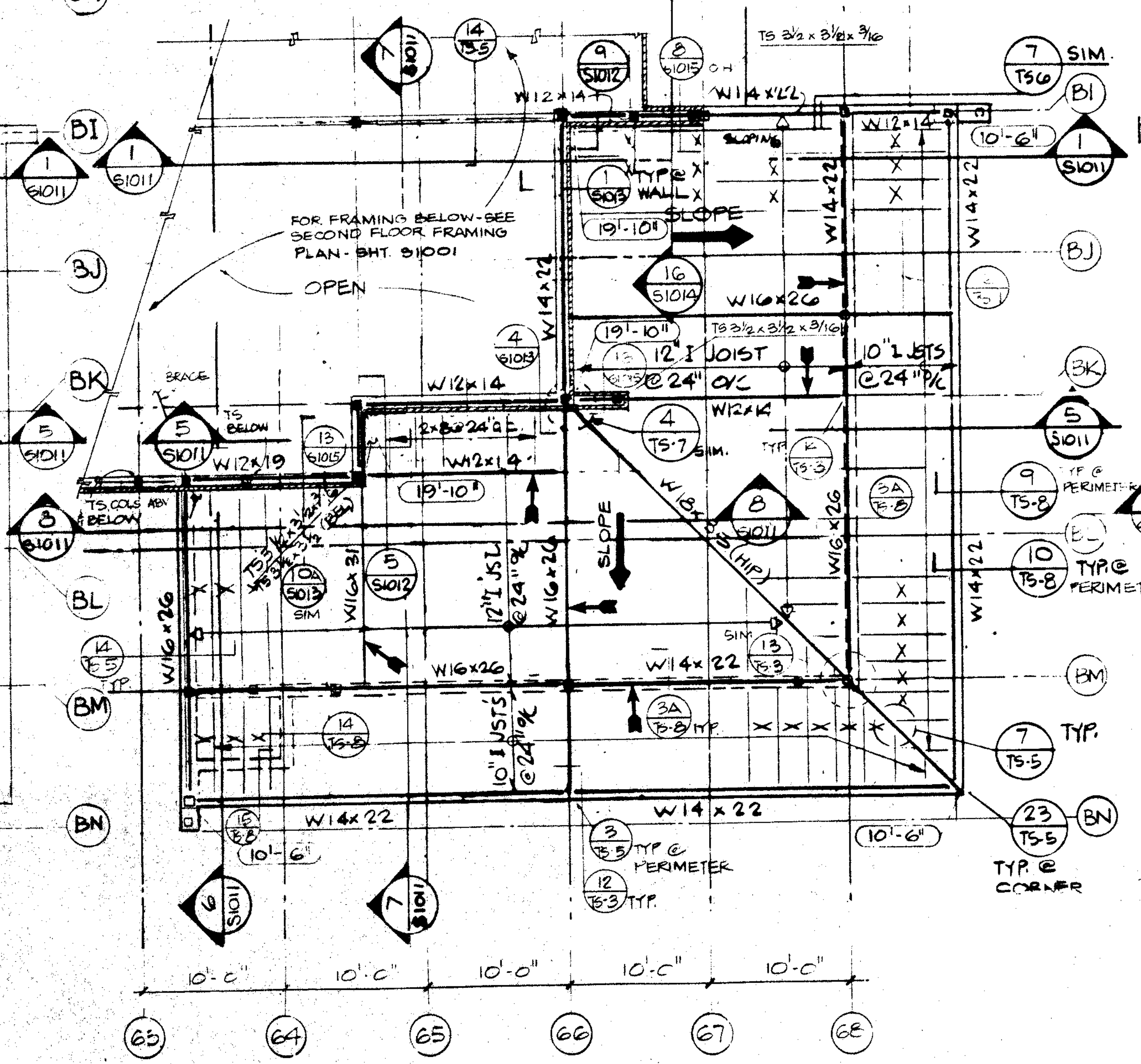

FOR FRAMING BELOW - SEE SECOND FLOOR FRAMING PLAN
OPEN
SLOPE
12" I JOISTS @ 24" O/C
10" I JSTS @ 24" O/C
W14x22
W16x26

INTERMEDIATE ROOF FRAMING PLAN

1/8" = 1'-0"

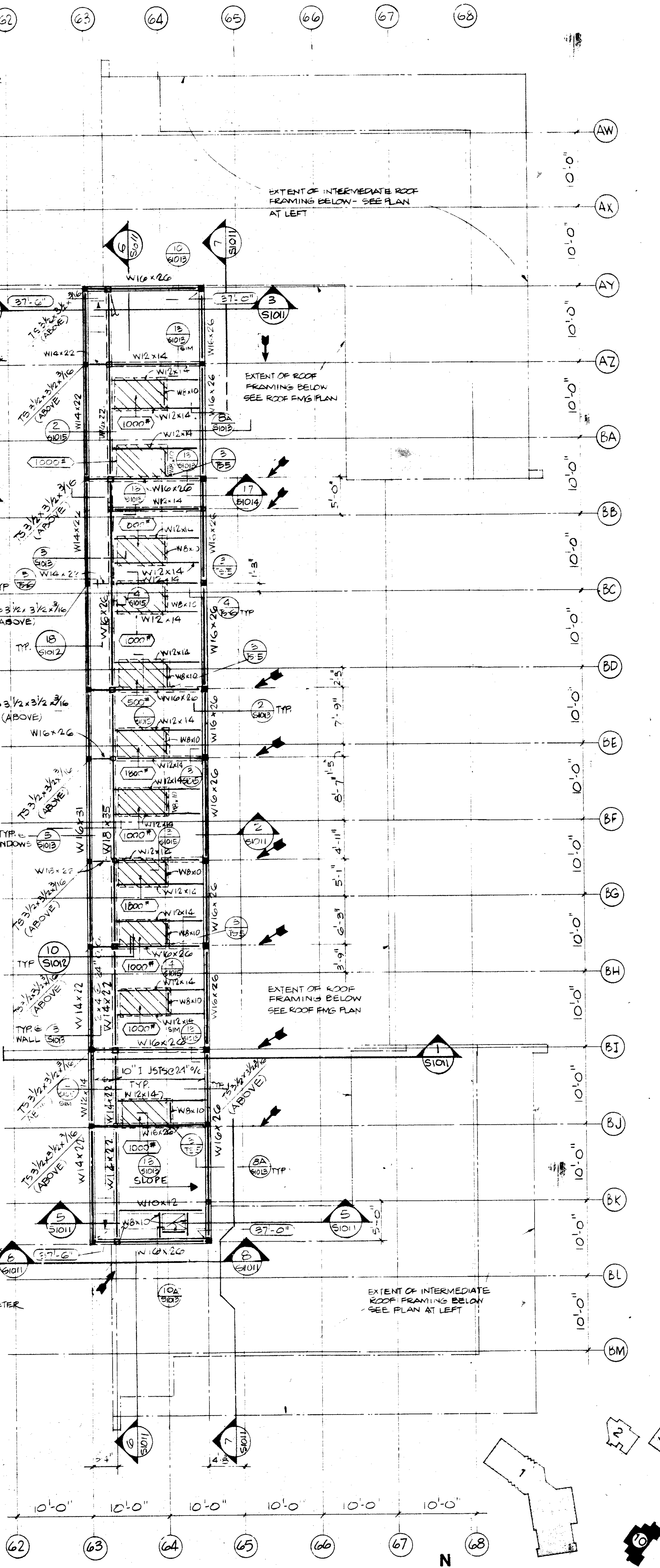
ROOF FRAMING NOTES

1. TYPICAL ROOF SHEATHING - 1/2" THICK PLYWOOD SEE 6/TS1
2. PROVIDE METAL CROSSBRIDGING BETWEEN PLYWOOD WEB JOISTS PER 23/TS-1. MAXIMUM SPACING AT 6'-0" O/C
3. ▭ INDICATES ELEVATION AT TOP OF PLYWOOD SHEATHING ABOVE FINISH GROUND FLOOR ELEVATION
4. ▨ INDICATES MECH'L EQUIP PLATFORM, FOR SUPPORT FRAMING DETAIL SEE
   ⬡ INDICATES MAXIMUM OPERATING WEGHT OF EQUIP.
5. ➔ INDICATES 2 ROWS OF EDGE NAILING REQUIRED
6. ─■─ INDICATES STACKED COLUMN TS 3 1/2 x 3 1/2 x 3/16. TYPICAL UNLESS OTHERWISE NOTED
   ─■─ INDICATES THRU COLUMN
   ─⊟─ INDICATES COLS THAT STOP AT BOTTOM FLANGE OF BEAM
   ─□─ INDICATES COLUMNS THAT STOPS AT ROOF/FLOOR LEVEL


FOR FRAMING BELOW - SEE SECOND FLOOR FRAMING PLAN - SHT. S1001
OPEN
SLOPE
12" I JOIST
10" I JSTS @ 24" O/C
W14x22
W16x26
63
64
65
66
67
68

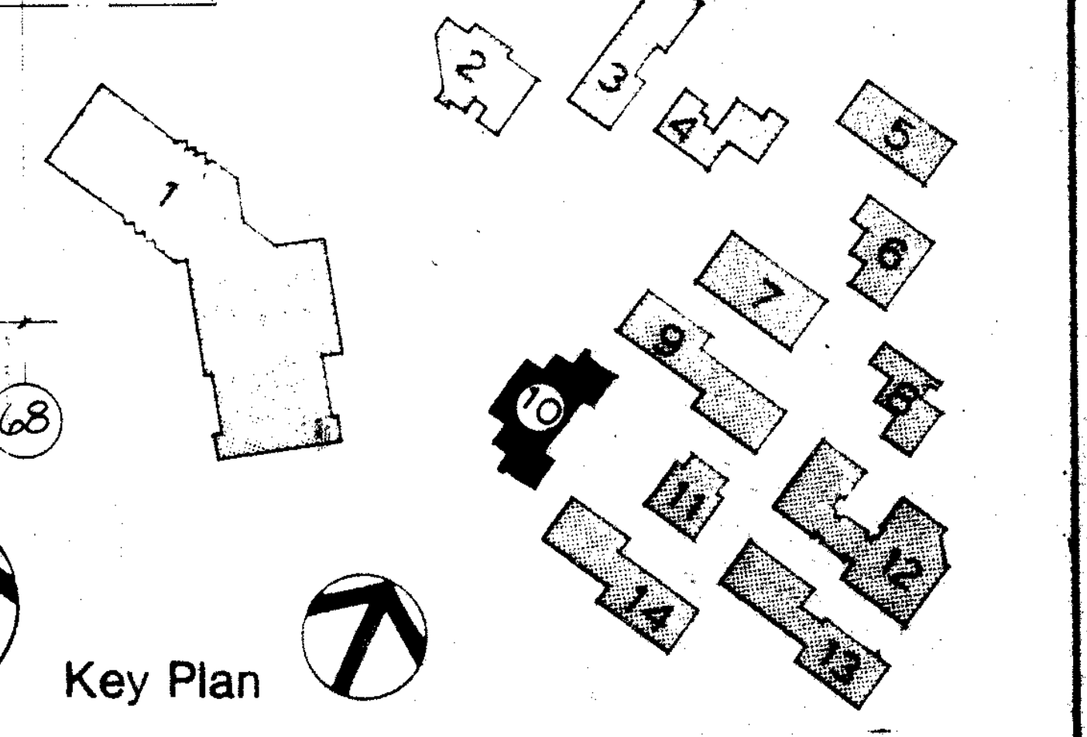
INTERMEDIATE ROOF FRAMING PLAN

1/8" = 1'-0"


EXTENT OF INTERMEDIATE ROOF FRAMING BELOW - SEE PLAN AT LEFT
EXTENT OF ROOF FRAMING BELOW SEE ROOF FMG PLAN
SLOPE
W16x26
W12x14
10'-0"
62
63
64
65
66
67
68

HIGH ROOF FRAMING PLAN

MECHANICAL EQUIPMENT AREA 1/8"=1'-0"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Key Plan

Drawn By M N
Checked By S R U
Date MAR 1988
Commission No 1.30.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers
Mamoru E. Kanda

MAMORU E. KANDA
No. 956
EXP. 12-31-88

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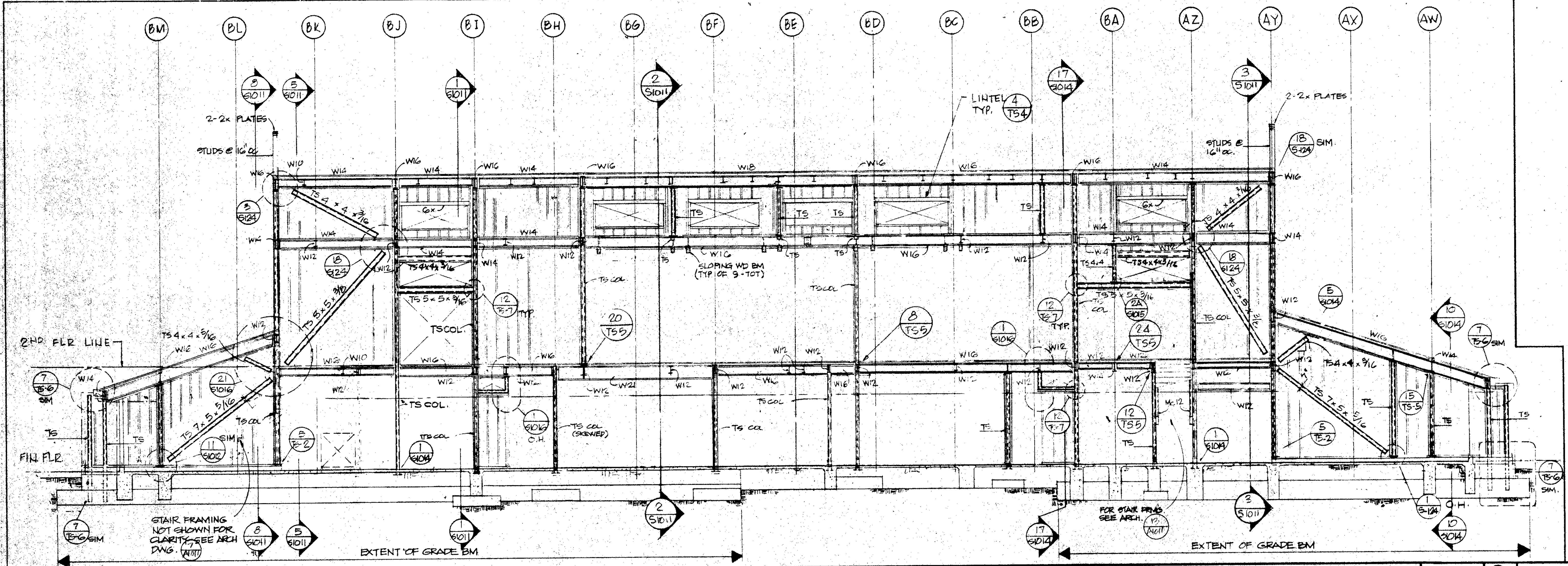
ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

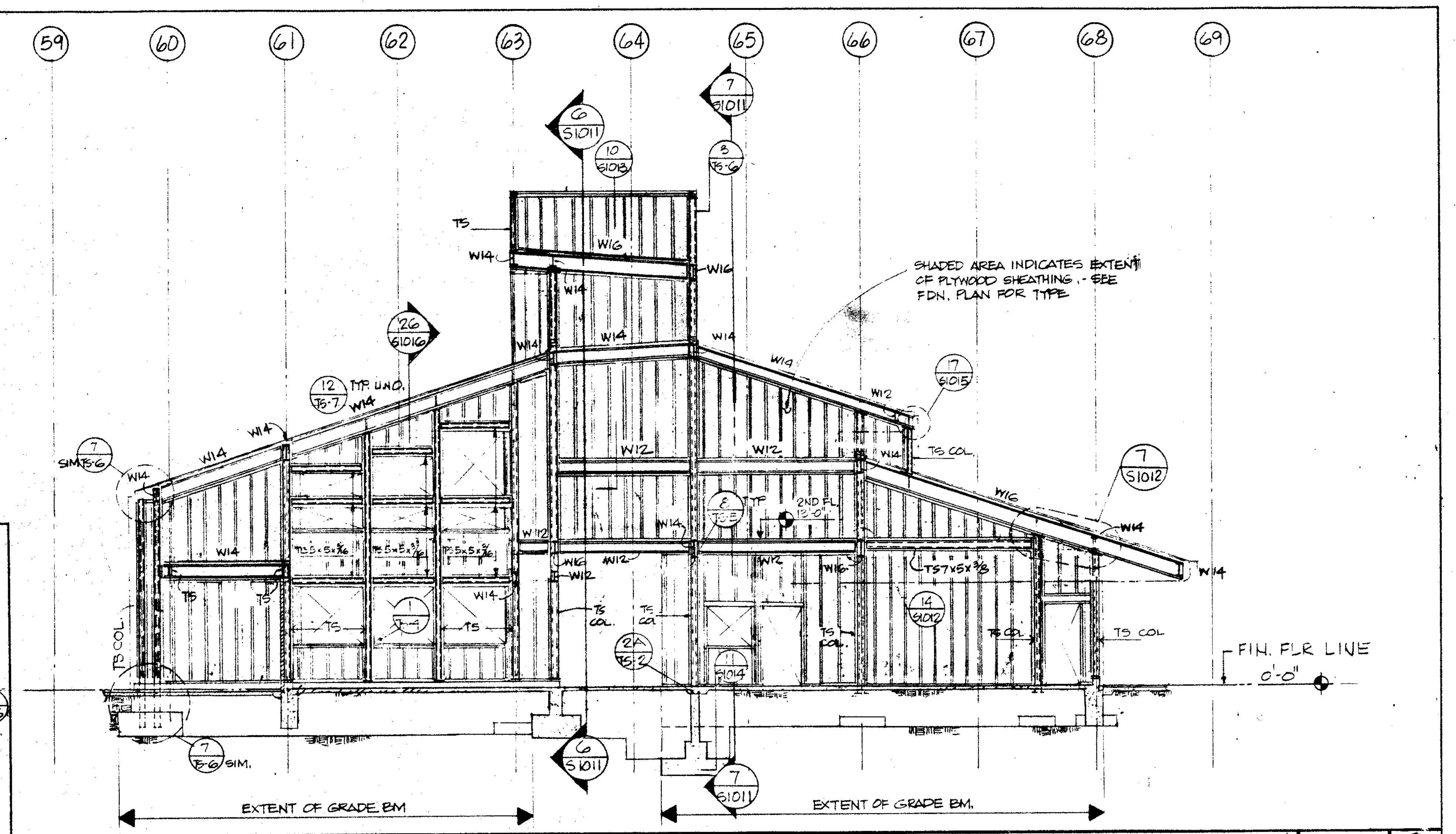
Library / Guidance Center -
Bldg. No.10
Roof Plans

Sheet Number
S1002
Of Sheets


BM
BL
BK
BJ
BI
BH
BG
BF
BE
BD
BC
BB
BA
AZ
AY
AX
AW
2-2x PLATES
STUDS @ 16" oc.
LINTEL 4/T54 TYP.
2-2x PLATES
STUDS @ 16" oc.
SIM.
SLOPING W12 BM (TYP OF 9 - TOT)
TS COL
2ND FLR LINE
FIN FLR
STAIR FRAMING NOT SHOWN FOR CLARITY - SEE ARCH DWG.
FOR STAIR FRMG SEE ARCH.
EXTENT OF GRADE BM
EXTENT OF GRADE BM

STRUCTURAL ELEVATION BETWEEN GRID 63 AND 64 (LOOKING WEST)

SCALE 1/8" = 1'-0" **6**


59
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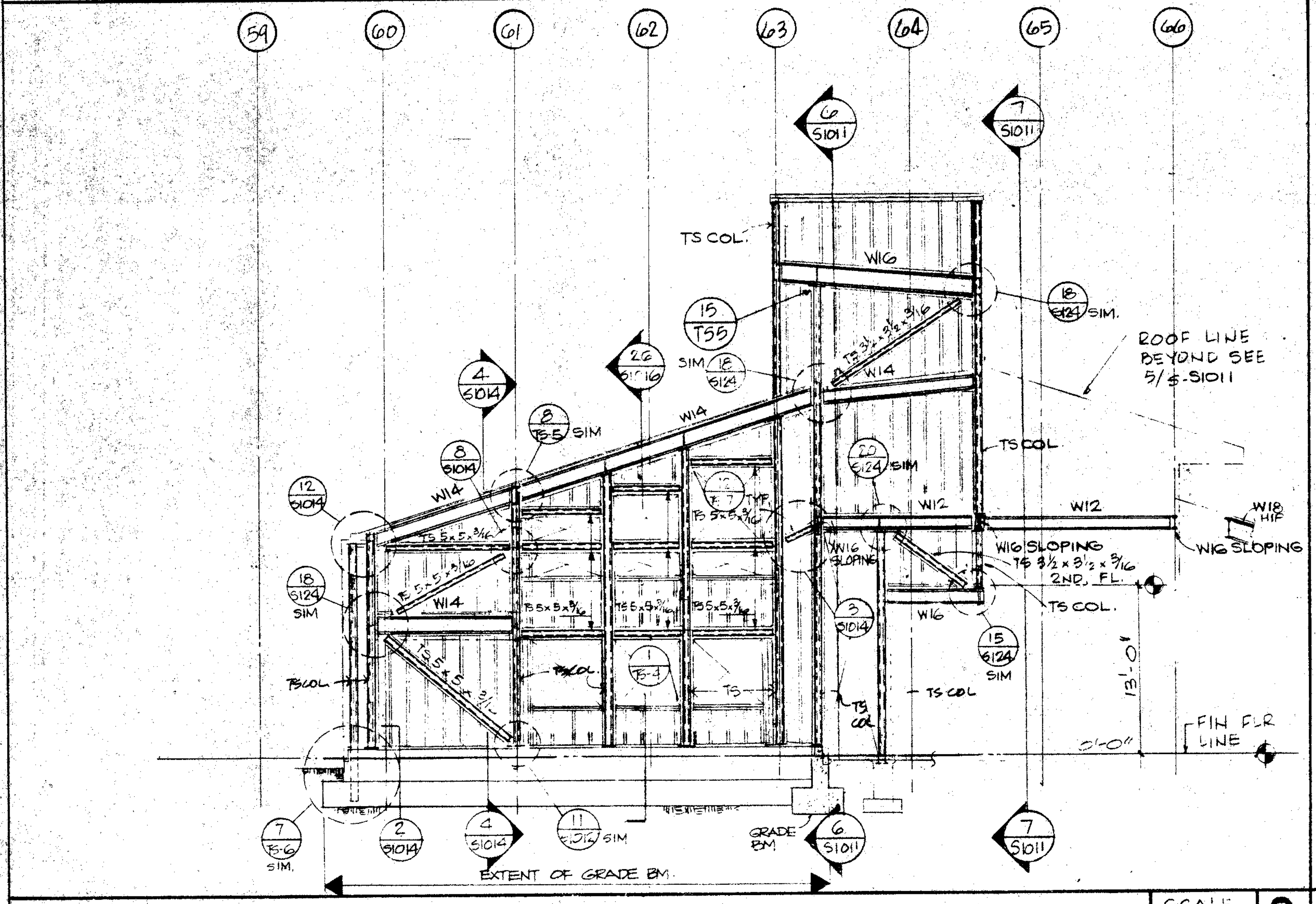
68
69
SHADED AREA INDICATES EXTENT OF PLYWOOD SHEATHING - SEE FDN. PLAN FOR TYPE
TYP. UNO.
FIN. FLR LINE 0'-0"
EXTENT OF GRADE BM
EXTENT OF GRADE BM

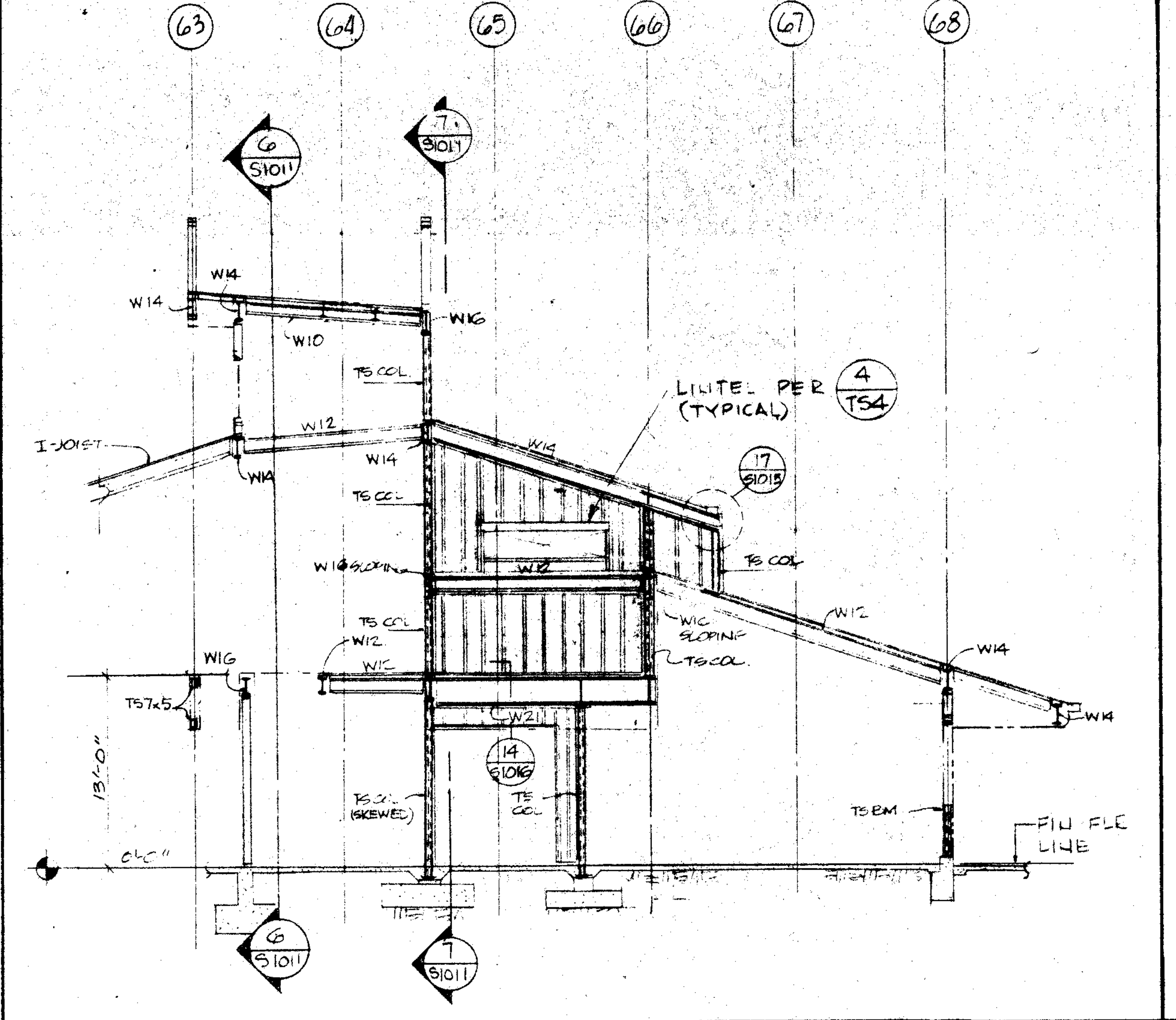
STRUCTURAL ELEVATION ON GRID AY (LOOKING NORTH)

SCALE 1/8" = 1'-0" **3**


59
60
61
62
63
64
65
66
TS COL
ROOF LINE BEYOND SEE 5/S-S1011
W16 SLOPING
2ND FL
13'-0"
FIN FLR LINE
GRADE BM
EXTENT OF GRADE BM

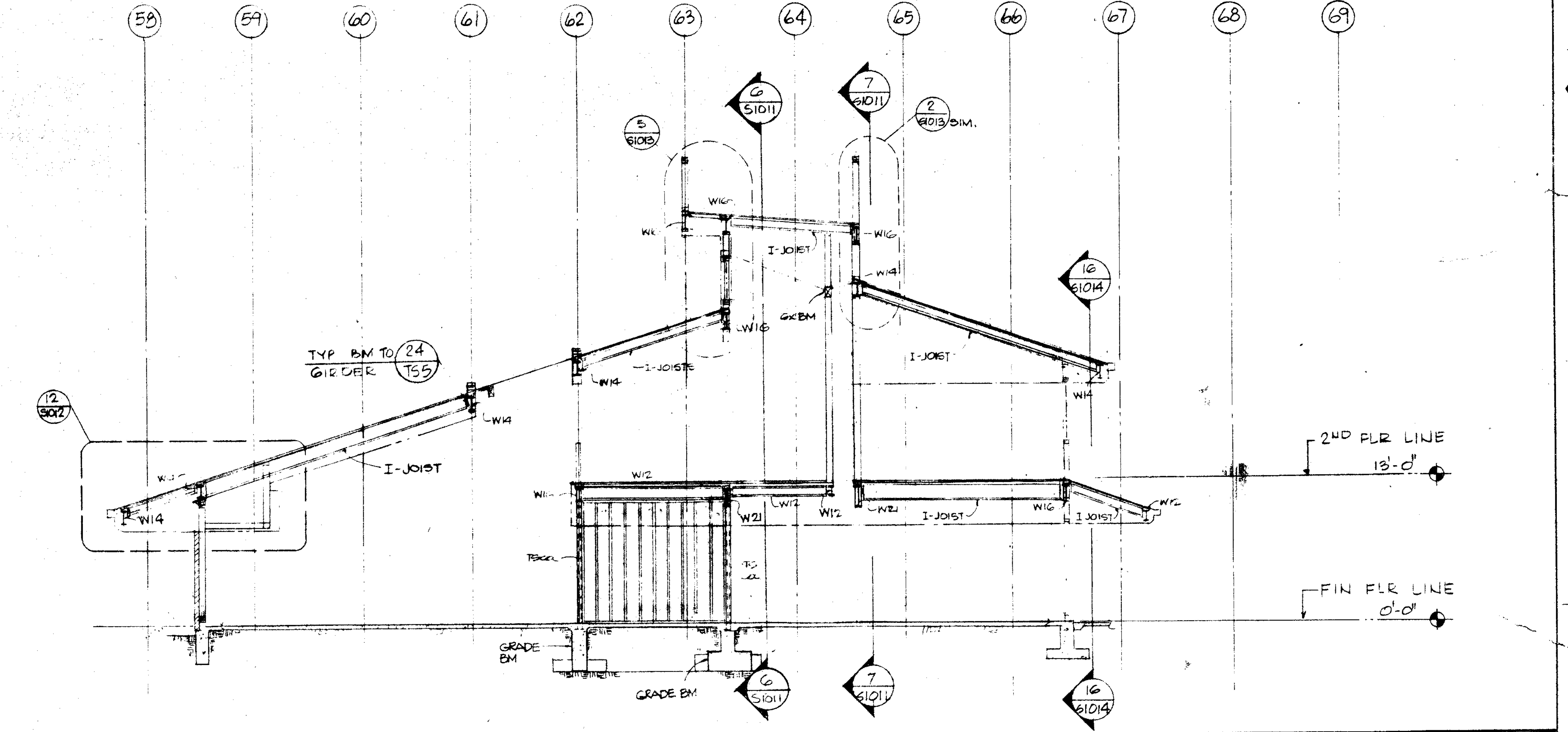
STRUCTURAL ELEVATION BTWN GRID BL & BK (LOOKING NORTH)

SCALE 1/8" = 1'-0" **8**


63
64
65
66
67
68
I-JOIST
LINTEL PER 4/T54 (TYPICAL)
13'-0"
0'-0"
FIN FLR LINE

STRUCTURAL ELEVATION ON GRID BK

SCALE 1/8" = 1'-0" **5**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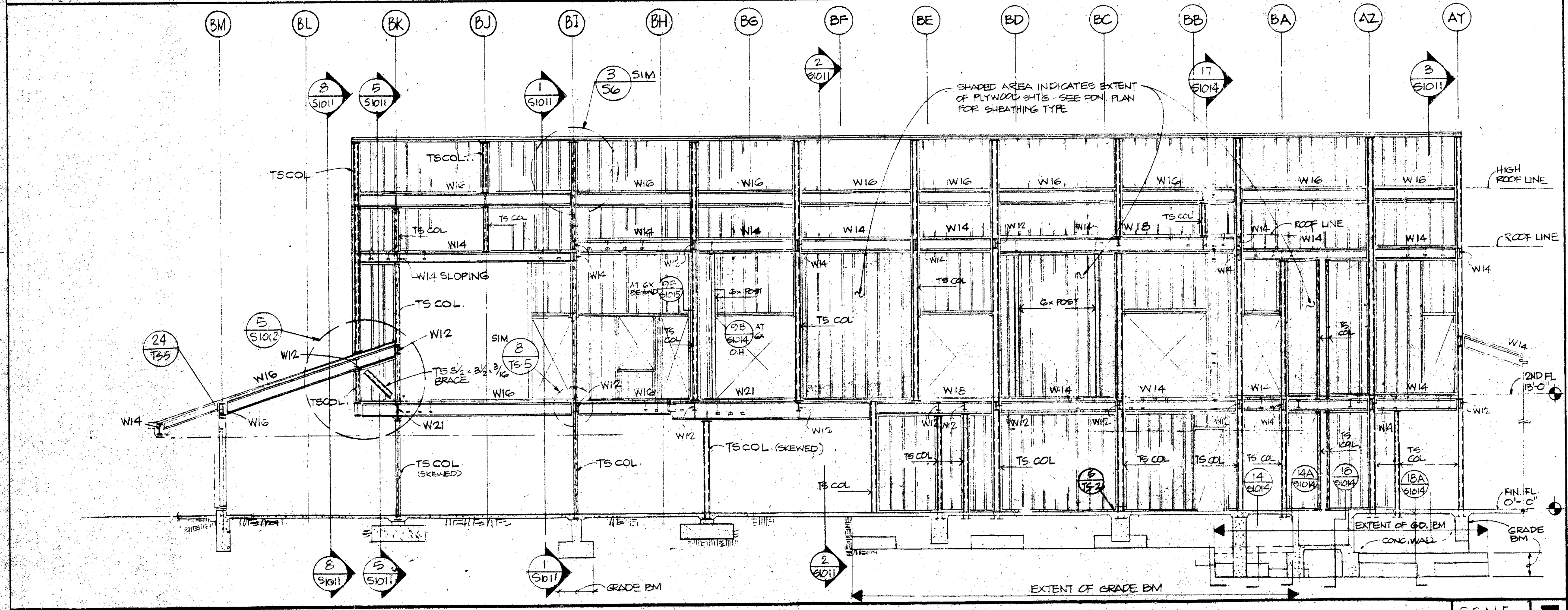
69
TYP BM TO 24/T55 GIRDER
I-JOIST
2ND FLR LINE 13'-0"
FIN FLR LINE 0'-0"
GRADE BM

STRUCTURAL ELEVATION ON GRID (BF) (LOOKING NORTH)

SCALE 1/8" = 1'-0" **2**


BM
BL
BK
BJ
BI
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AZ
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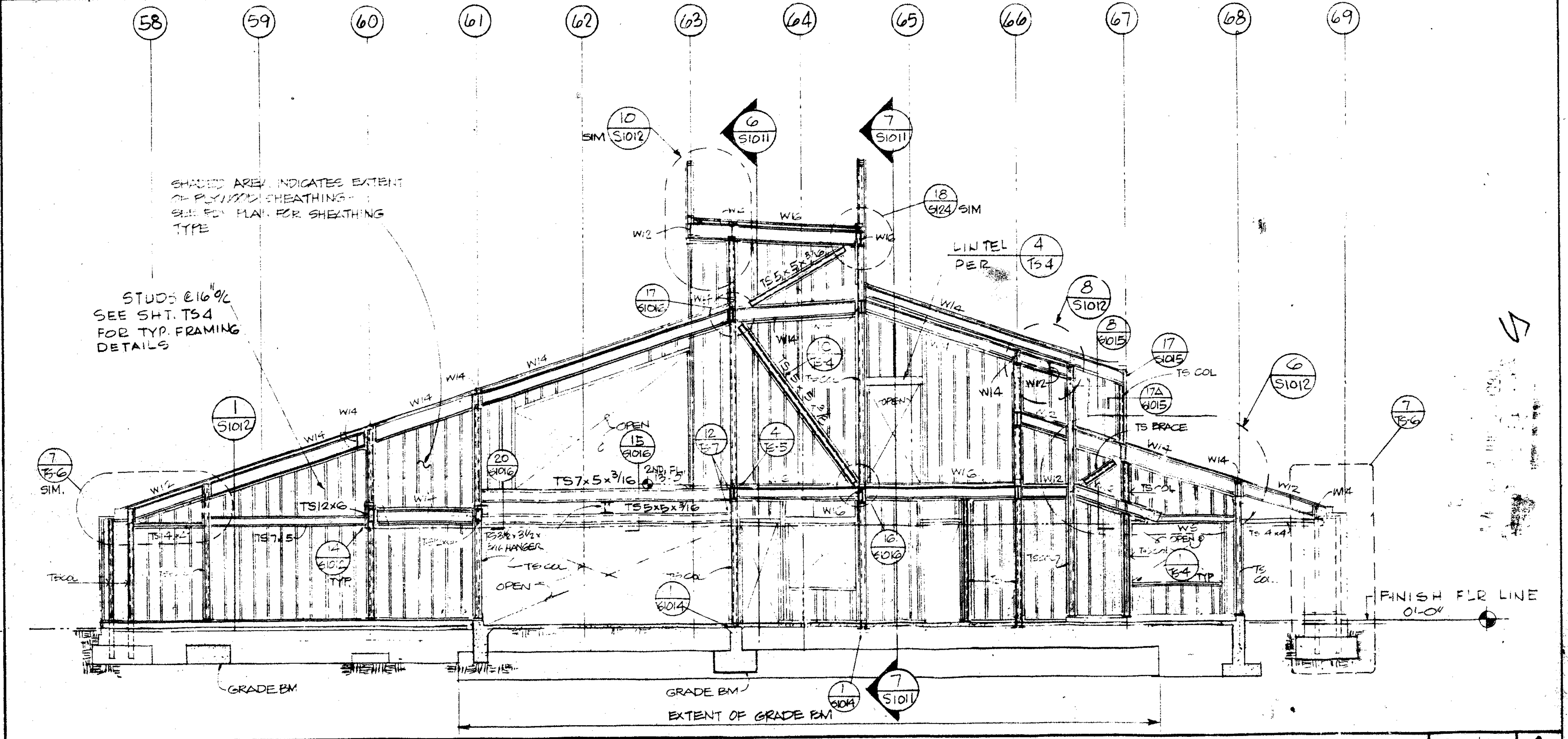
SHADED AREA INDICATES EXTENT OF PLYWOOD SHTS - SEE FDN PLAN FOR SHEATHING TYPE
HIGH ROOF LINE
ROOF LINE
TS COL
W12 SLOPING
TS COL. (SKEWED)
2ND FL 13'-0"
FIN FL 0'-0"
EXTENT OF GRADE BM
CONC. WALL
GRADE BM
EXTENT OF GRADE BM

STRUCTURAL ELEVATION BTWN. GRID 64 & 65 (LOOKING WEST)

SCALE 1/8" = 1'-0" **7**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69
SHADED AREA INDICATES EXTENT OF PLYWOOD SHEATHING - SEE FDN PLAN FOR SHEATHING TYPE
STUDS @ 16" oc SEE SHT. T54 FOR TYP. FRAMING DETAILS
LINTEL PER 4/T54
TS BRACE
FINISH FLR LINE 0'-0"
GRADE BM
GRADE BM
EXTENT OF GRADE BM

STRUCTURAL ELEVATION ON GRID BI (LOOKING NORTH)

SCALE 1/8" = 1'-0" **1**

Drawn By MN
Checked By SRU
Date MAR 1985
Commission No 1.30.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers
Mamoru E. Kanda

MAMORU E. KANDA
No. S35
EXP. 12-31-86

Architects Planners

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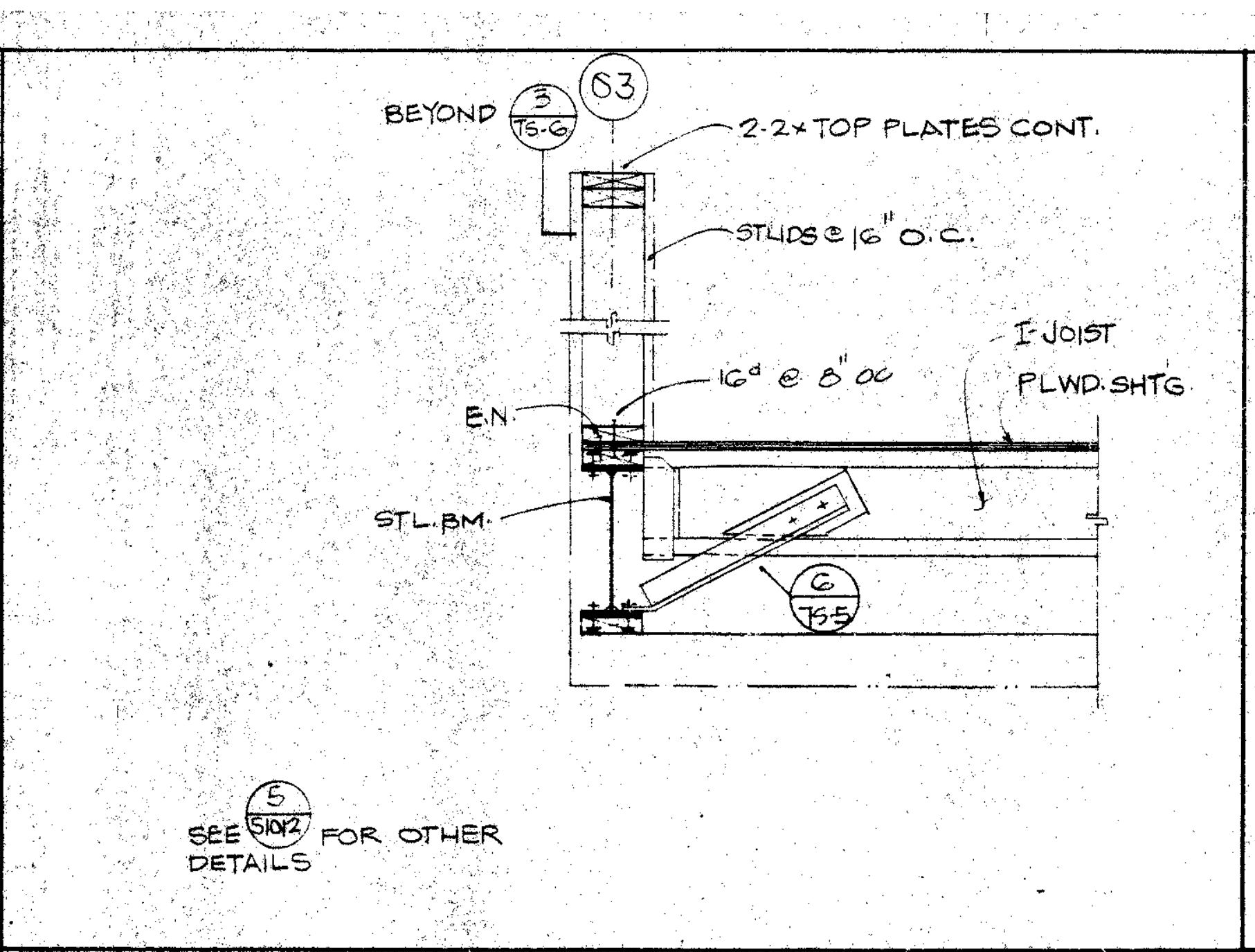
ARCHITECT
C-6497

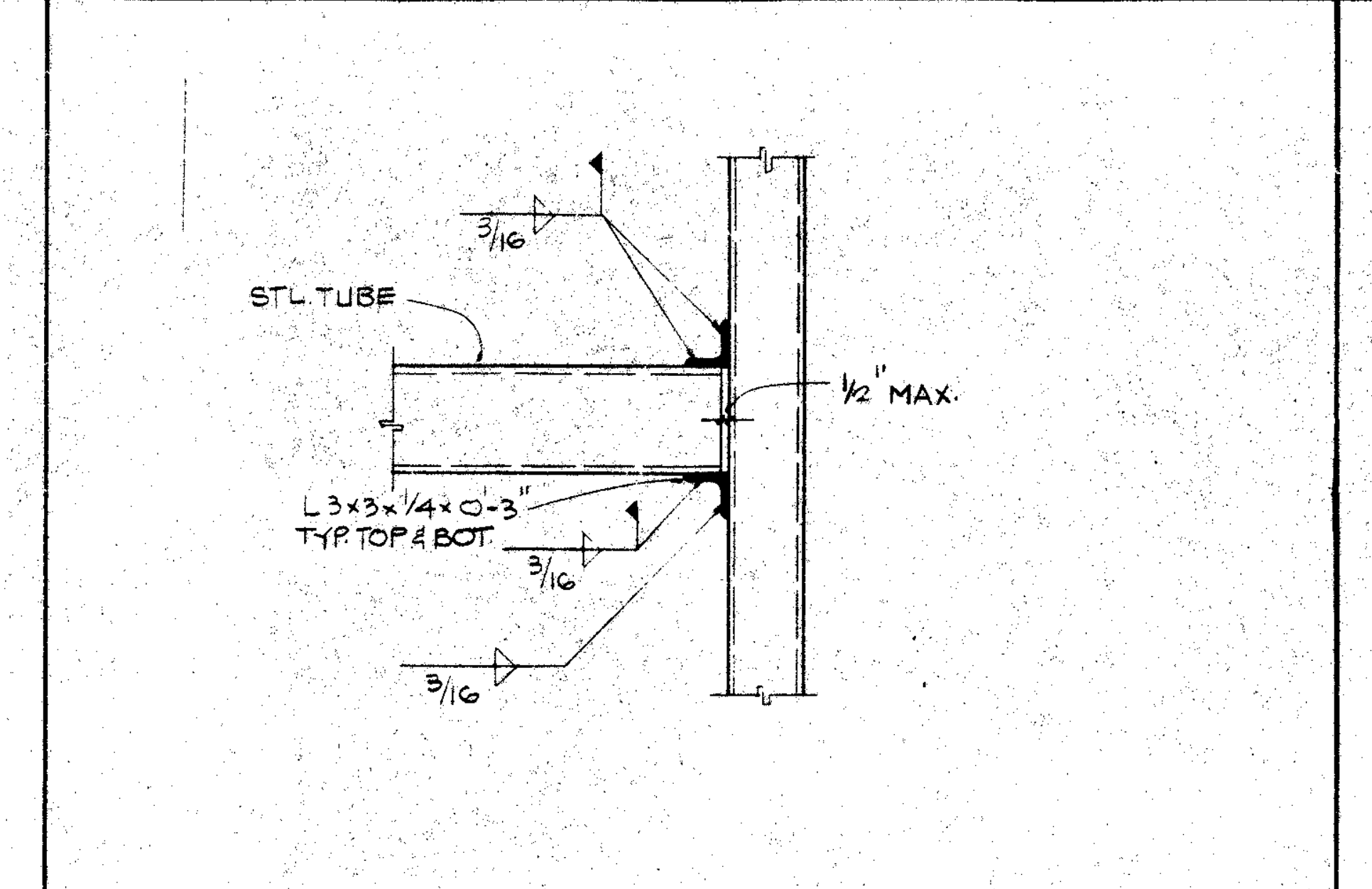
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Library/Guidance Center-
Bldg. No.10
Building Sections

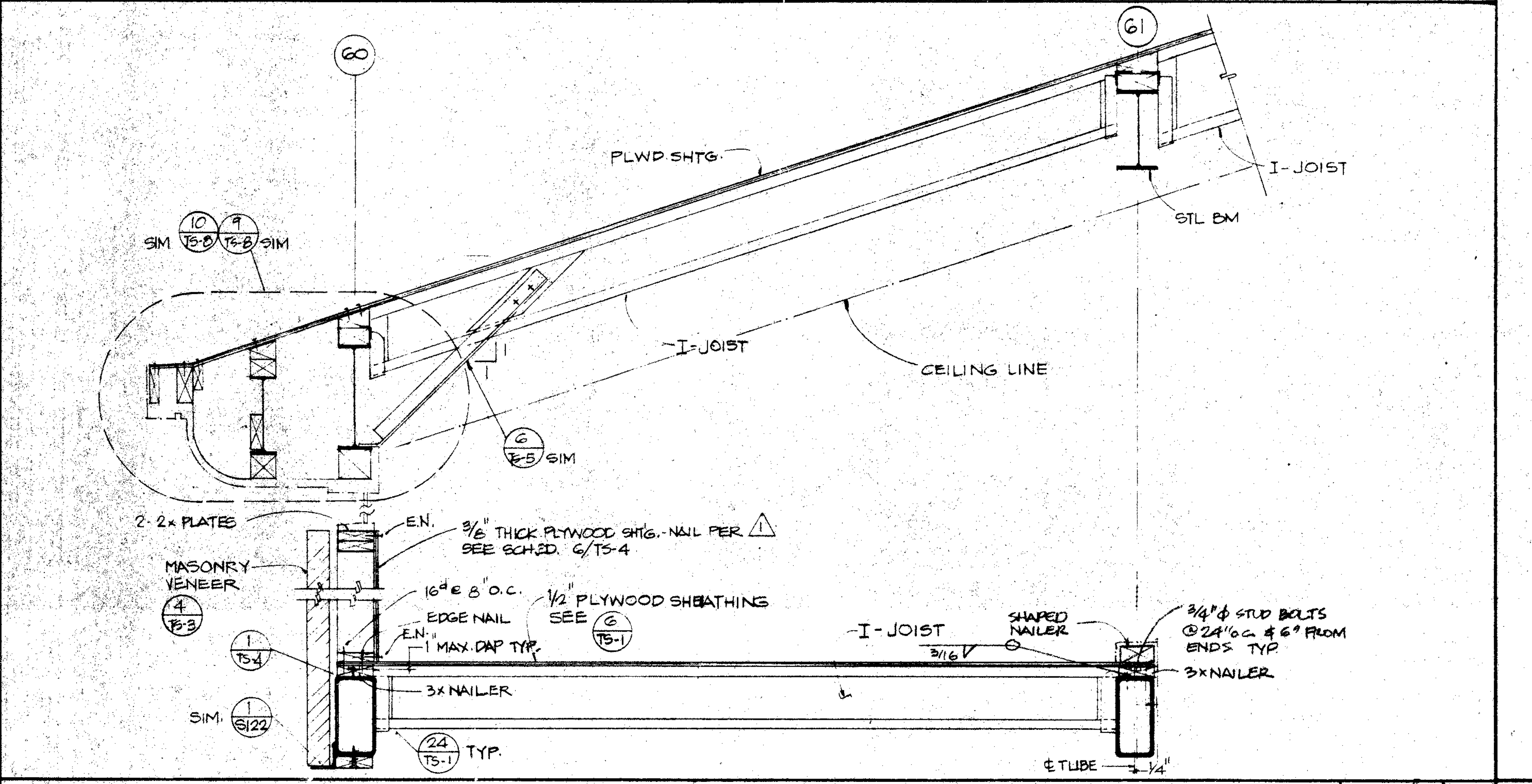
Sheet Number
S1011
Of Sheets


BEYOND
03
2-2x TOP PLATES CONT.
STUDS @ 16" O.C.
I-JOIST
PLWD. SHTG
E.N.
16d @ 8" OC
STL. BM.
SEE (5/S1012) FOR OTHER DETAILS

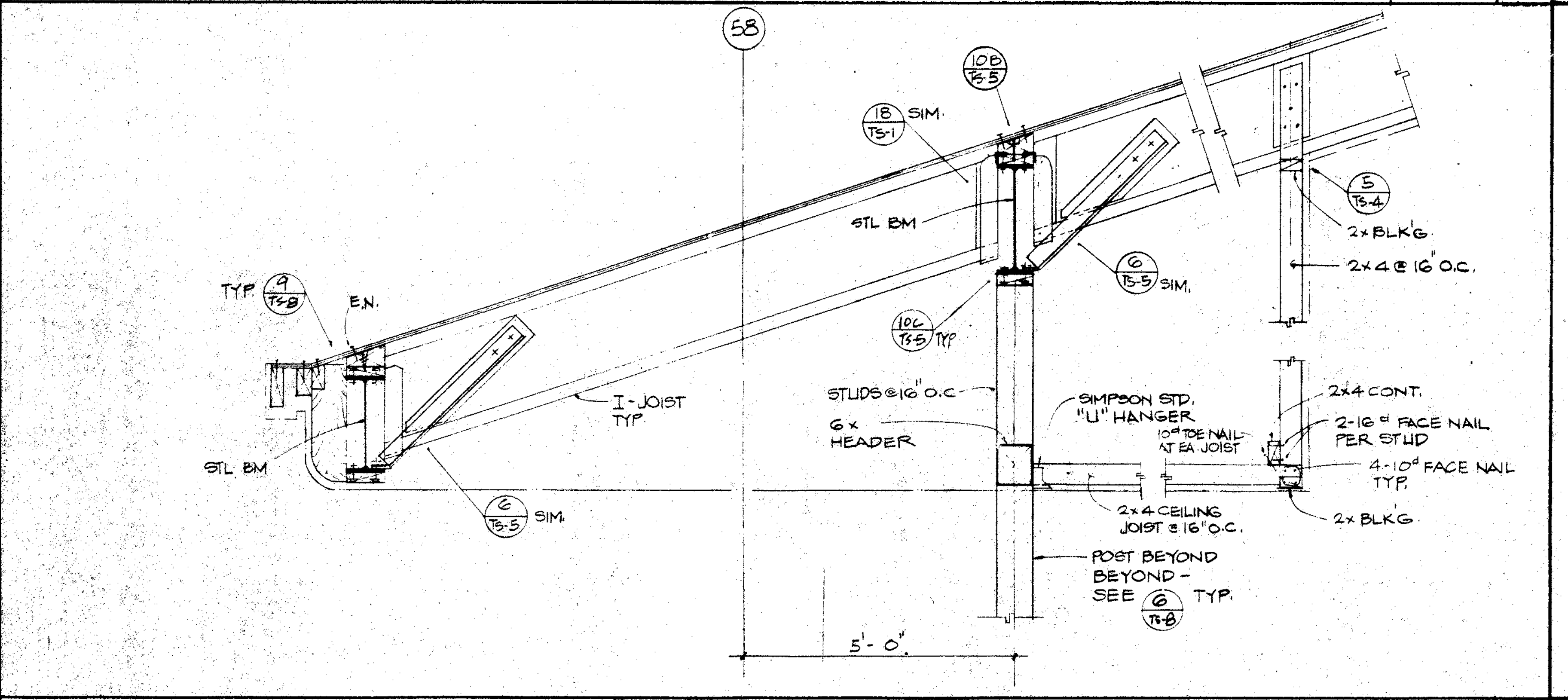
SECTION SCALE: 3/4"=1'-0" 18


STL TUBE
3/16
1/2" MAX.
L 3x3x1/4 x 0'-3" TYP TOP & BOT.
3/16

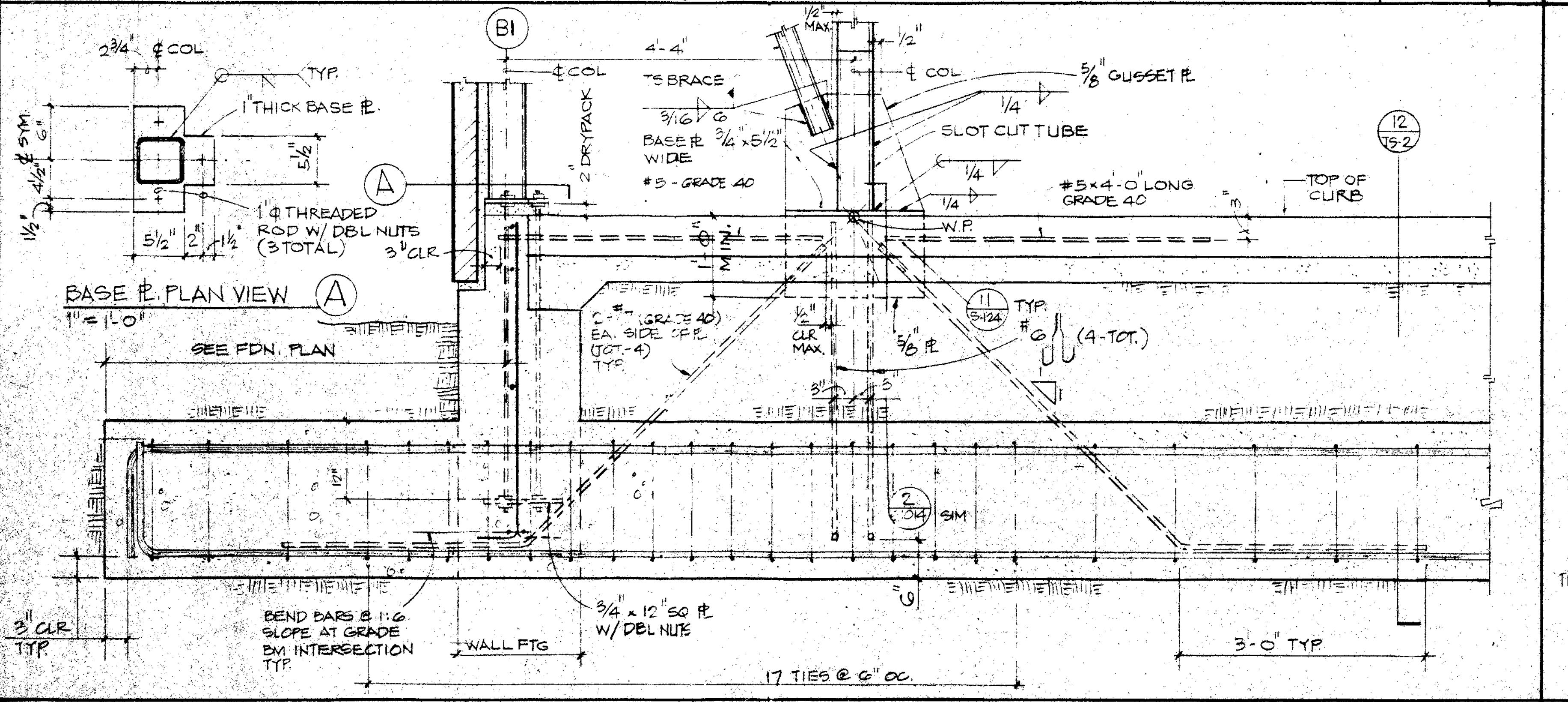
DETAIL SCALE: 3/4"=1'-0" 14


60
61
PLWD SHTG
I-JOIST
STL BM
SIM
I-JOIST
CEILING LINE
SIM
2-2x PLATES
MASONRY VENEER
E.N.
3/8" THICK PLYWOOD SHTG. NAIL PER SEE SCHED. 6/TS-4
16d @ 8" O.C.
EDGE NAIL
1/2" PLYWOOD SHEATHING SEE
I-JOIST
SHAPED NAILER
3/4" ϕ STUD BOLTS @ 24" oc & 6" FROM ENDS TYP
1" MAX. GAP TYP.
3x NAILER
3x NAILER
SIM.
TYP.
℄ TUBE

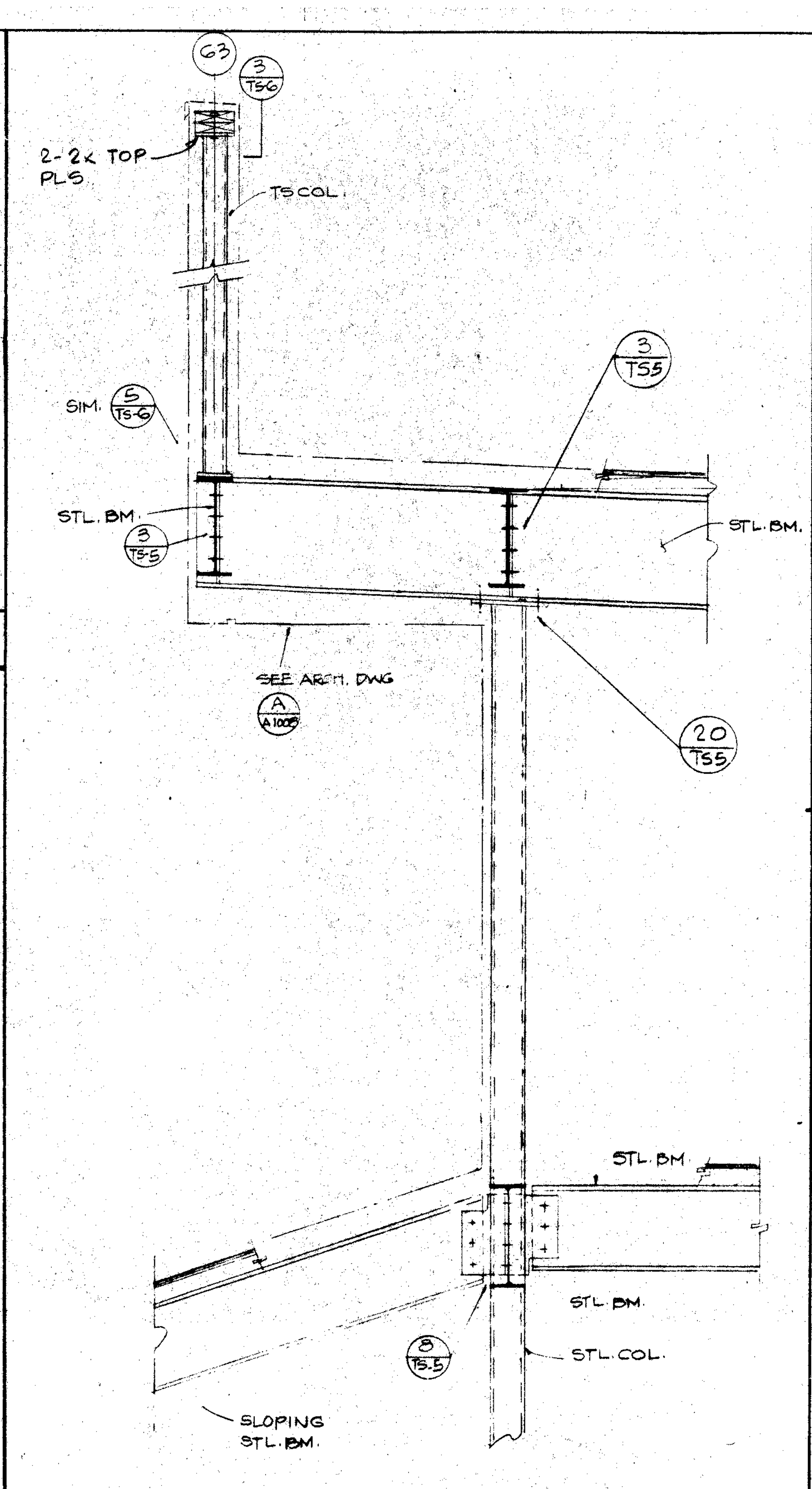
SECTION SCALE: 3/4"=1'-0" 13


58
SIM.
STL BM
SIM.
TYP
2x BLK'G
2x4 @ 16" O.C.
TYP
E.N.
I-JOIST TYP
STL BM
SIM
STUDS @ 16" O.C.
6x HEADER
SIMPSON STD. "U" HANGER
2x4 CONT.
2-16d FACE NAIL PER STUD
4-10d FACE NAIL TYP.
2x BLK'G
2x4 CEILING JOIST @ 16" O.C.
POST BEYOND - SEE TYP.
5'-0"

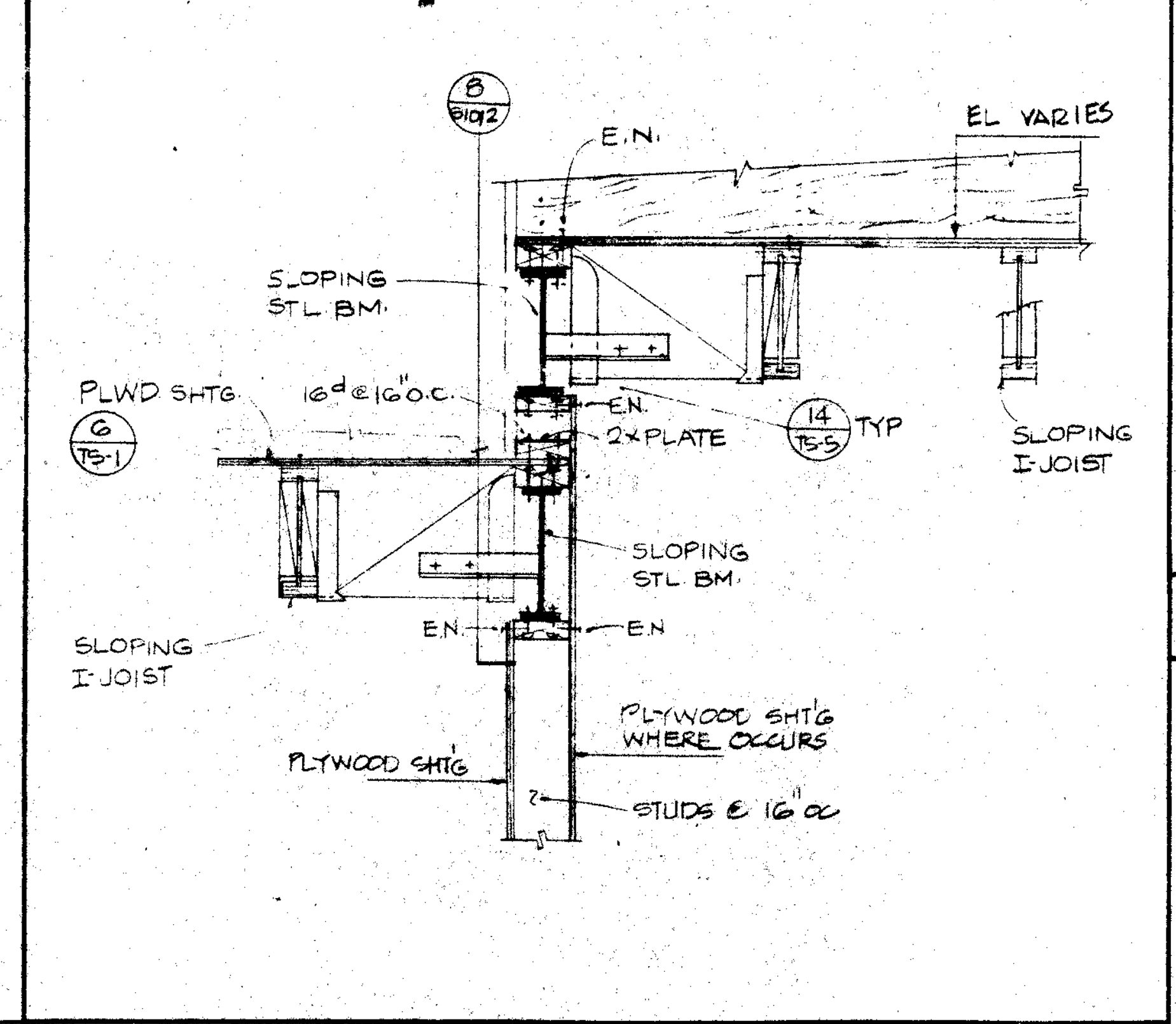
SECTION SCALE: 3/4"=1'-0" 12


2 3/4 ℄ COL
TYP.
1" THICK BASE ℞
1" ϕ THREADED ROD W/ DBL NUTS (5 TOTAL)
3" CLR
BASE ℞ PLAN VIEW A
1" = 1'-0"
B1
℄ COL
TS BRACE
BASE ℞ 3/4 x 5 1/2 WIDE
#5 - GRADE 40
A
5/8" GUSSET ℞
SLOT CUT TUBE
#5 x 4'-0" LONG GRADE 40
TOP OF CURB
W.P.
TYP
(4-TOT.)
SEE FDN. PLAN
3" CLR TYP
BEND BARS @ 1:6 SLOPE AT GRADE BM INTERSECTION TYP.
WALL FTG
3/4 x 12" SQ ℞ W/ DBL NUTS
17 TIES @ 6" OC
3'-0" TYP

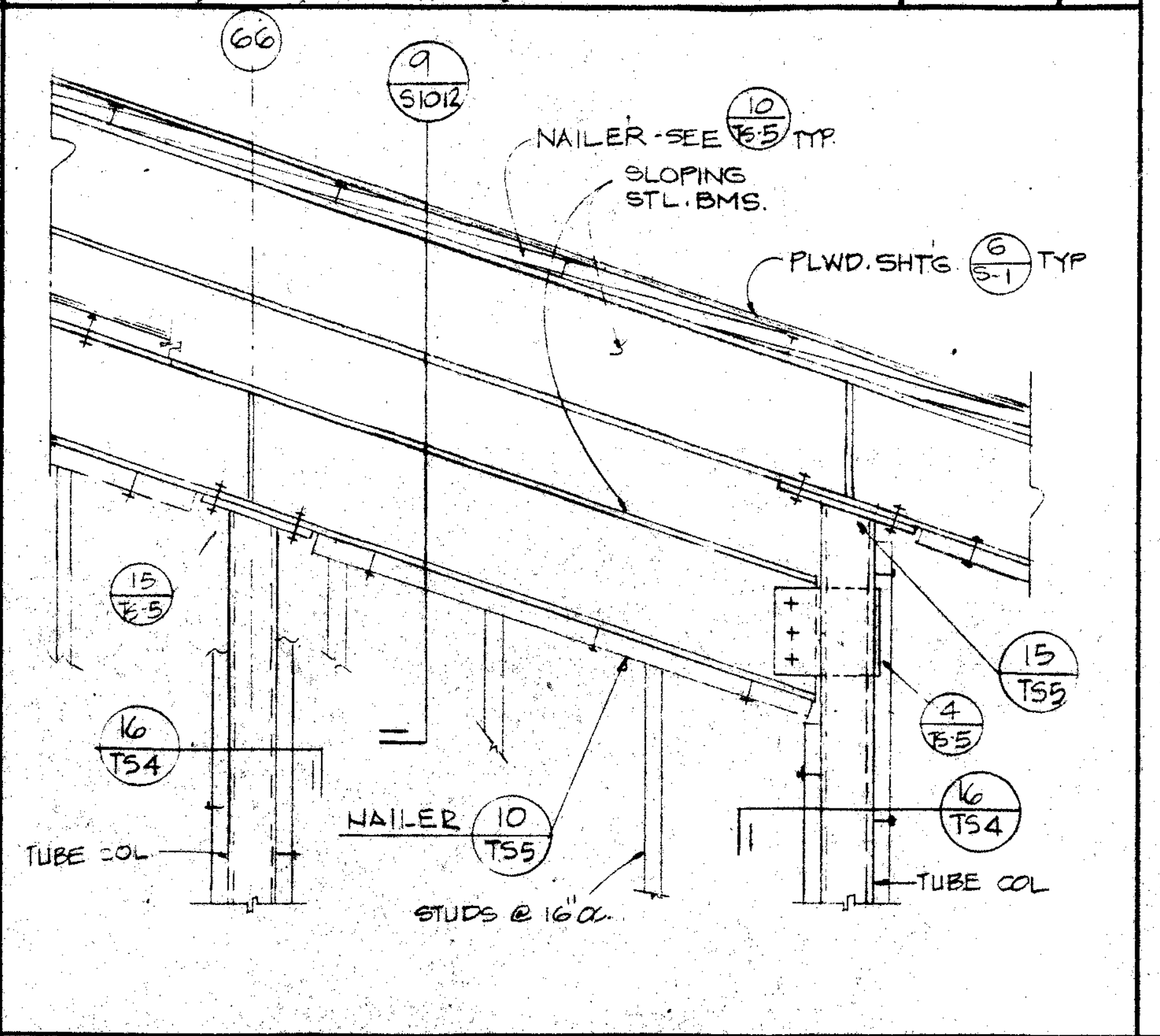
SECTION SCALE: 3/4"=1'-0" 11


63
2-2x TOP PLS.
TS COL.
SIM.
STL. BM.
STL. BM.
SEE ARCH. DWG
STL. BM
STL. BM
STL. COL.
SLOPING STL. BM.

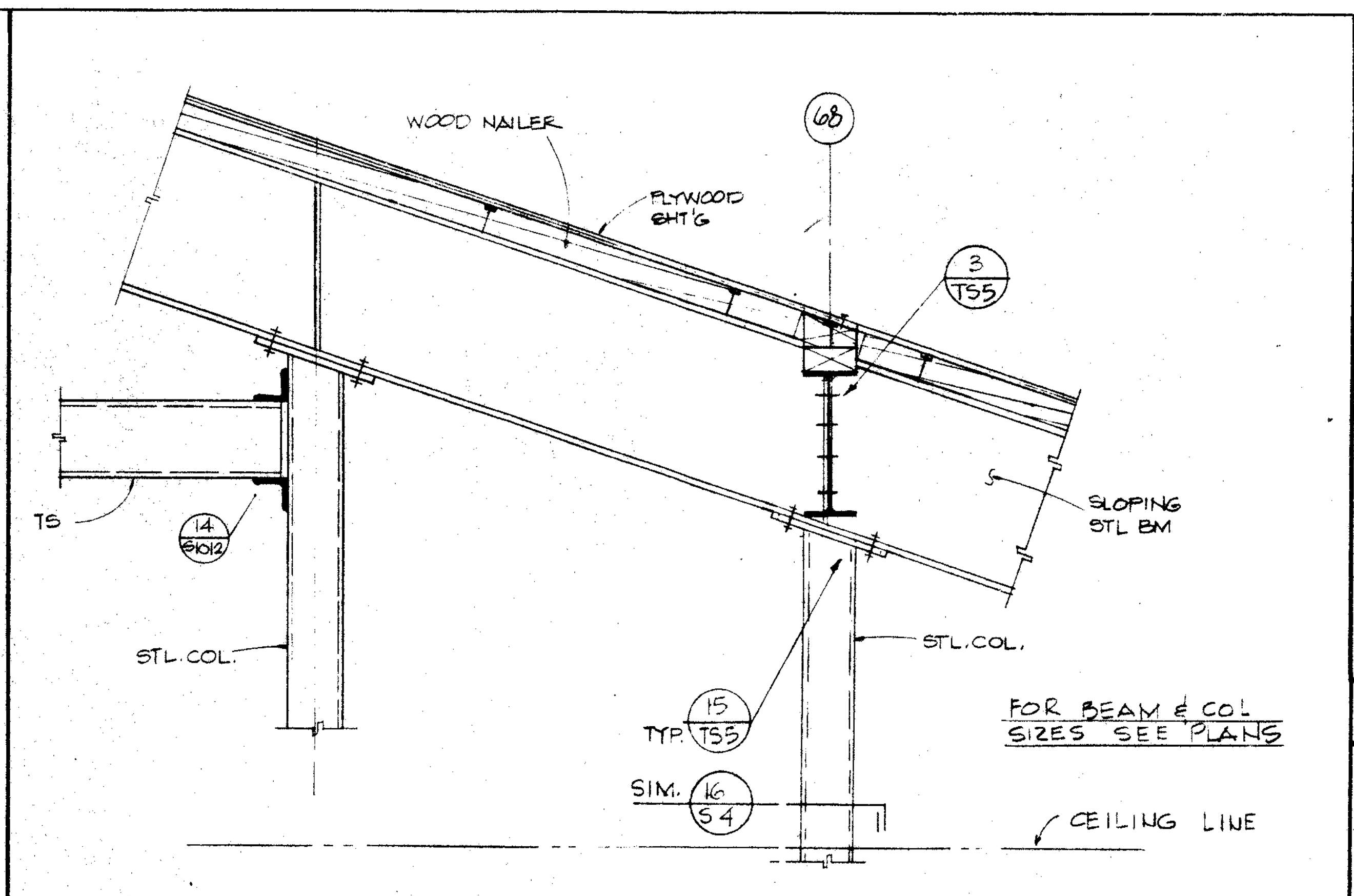
SECTION SCALE: 3/4"=1'-0" 10


E.N.
EL VARIES
SLOPING STL. BM.
PLWD SHTG
16d @ 16" O.C.
E.N.
2x PLATE
TYP
SLOPING I-JOIST
SLOPING STL. BM.
E.N.
E.N.
SLOPING I-JOIST
PLYWOOD SHTG WHERE OCCURS
PLYWOOD SHTG.
STUDS @ 16" oc

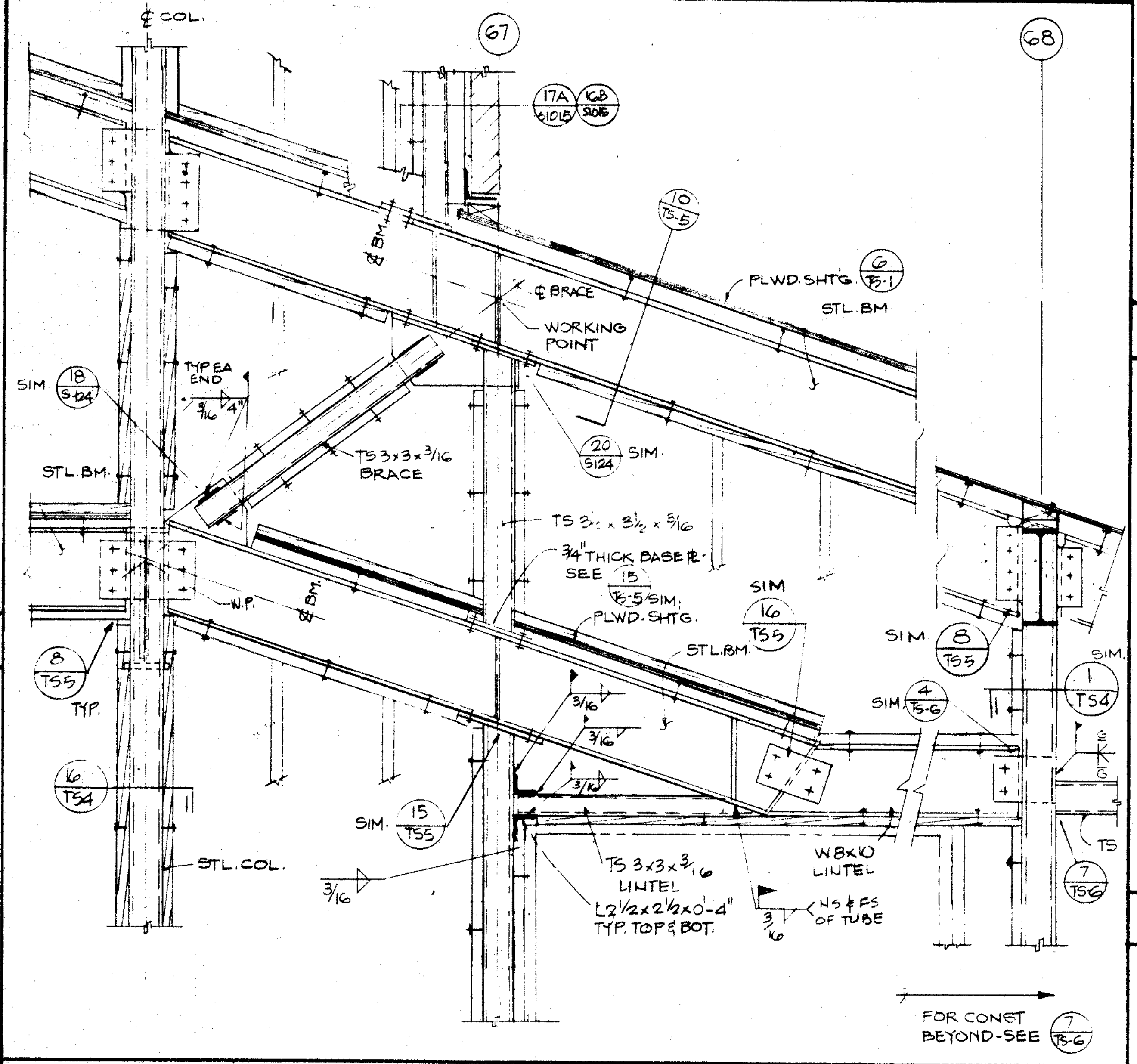
SECTION SCALE 3/4"=1'-0" 9


66
NAILER - SEE TYP.
SLOPING STL. BMS.
PLWD. SHTG TYP
TUBE COL
NAILER
STUDS @ 16" oc
TUBE COL

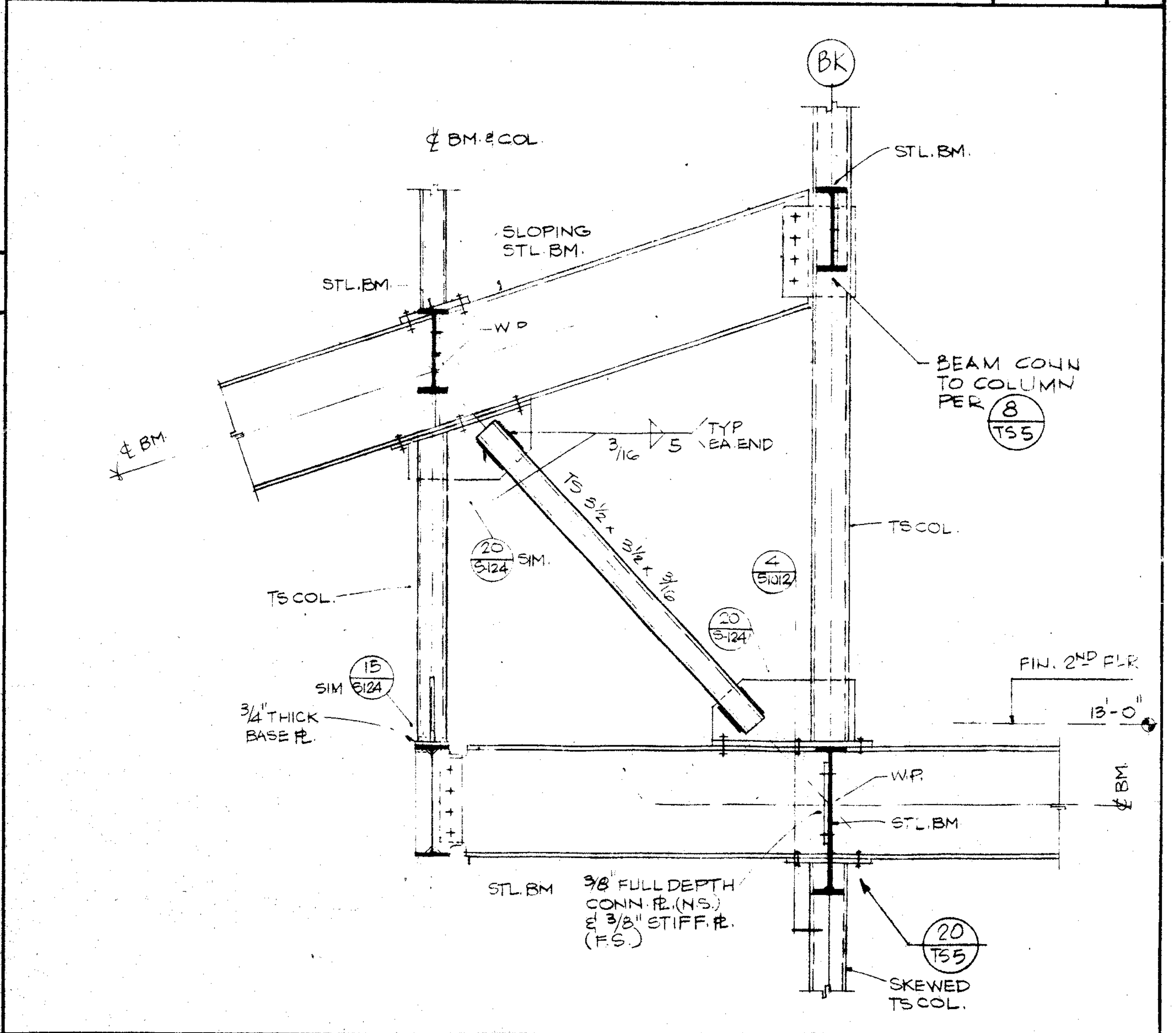
SECTION SCALE 3/4"=1'-0" 8


WOOD NAILER
68
PLYWOOD SHT'G
SLOPING STL BM
TS
STL. COL.
STL. COL.
TYP.
SIM.
FOR BEAM & COL SIZES SEE PLANS
CEILING LINE

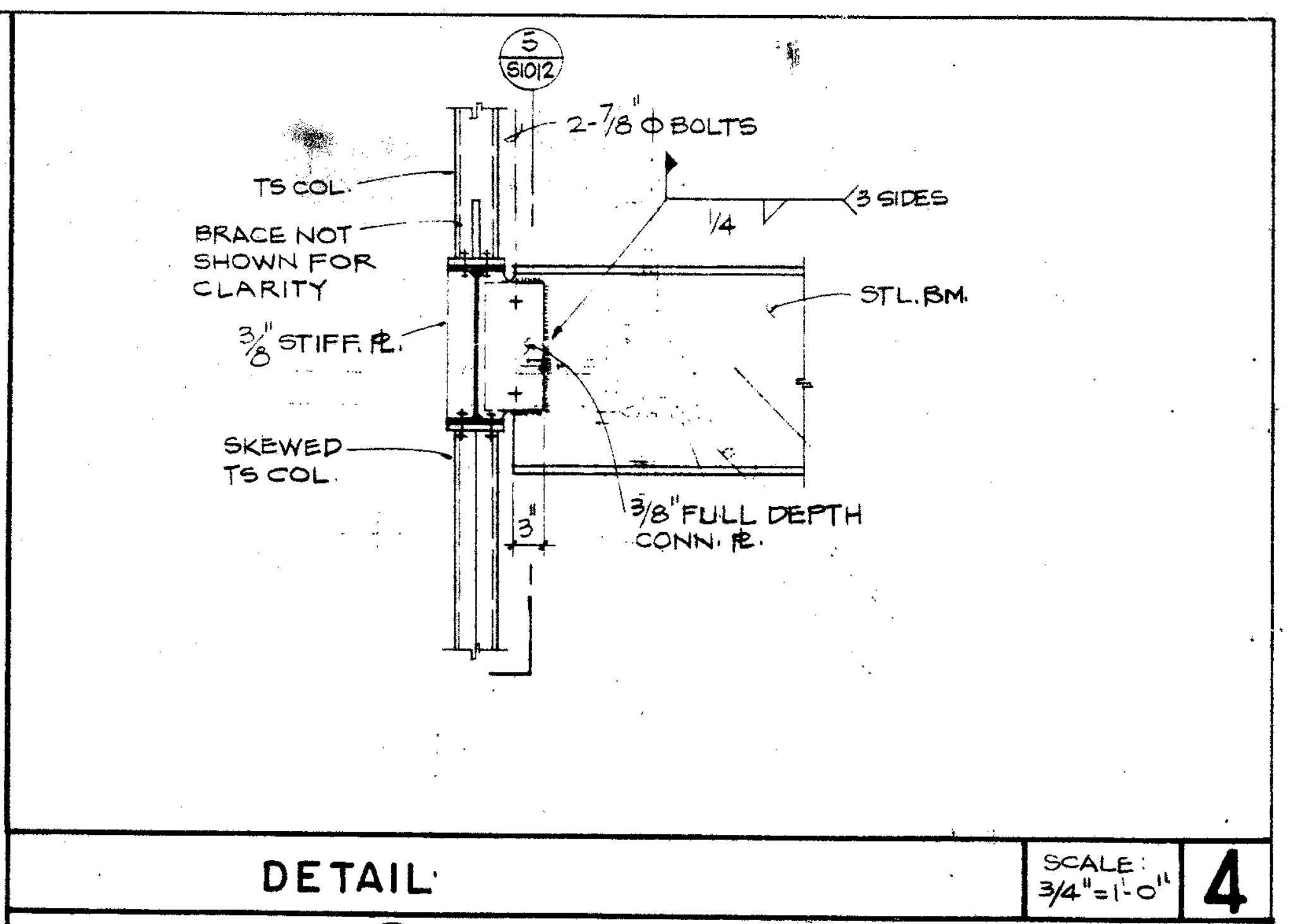
FRAMING DETAIL SCALE 1"=1'-0" 7


℄ COL.
67
68
WORKING POINT
PLWD. SHTG.
STL BM
SIM
STL BM.
TYP EA END
TS 3x3x3/16 BRACE
SIM.
TS 3 1/2 x 3 1/2 x 3/16
3/4" THICK BASE ℞ SEE SIM.
PLWD. SHTG.
STL BM
SIM
SIM
TYP.
SIM.
STL. COL.
TS 3x3x3/16 LINTEL
L 2 1/2 x 2 1/2 x 0'-4" TYP. TOP & BOT.
W8x10 LINTEL
FOR CONT. BEYOND - SEE

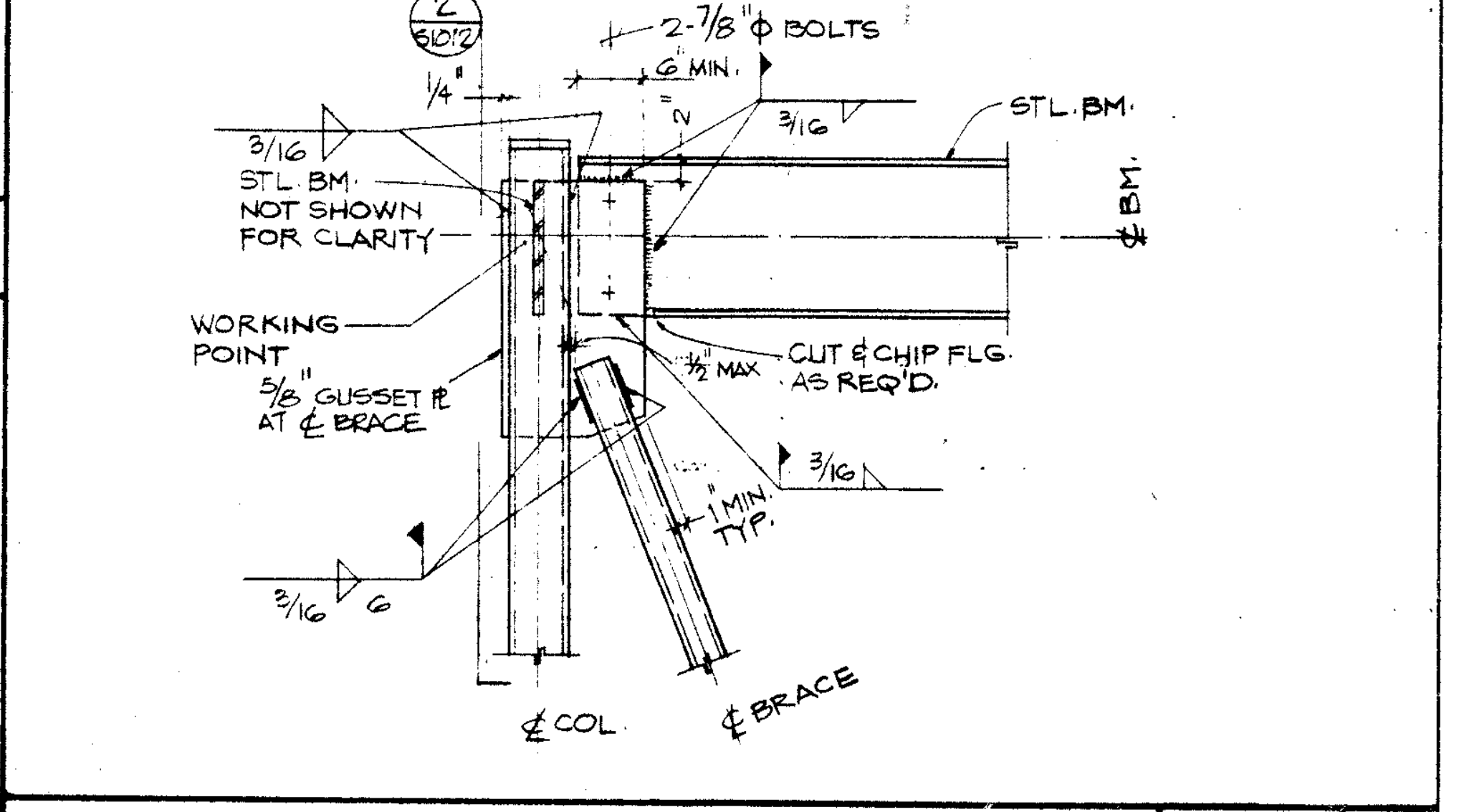
FRAMING DETAIL SCALE 3/4"=1'-0" 6


BK
℄ BM. & COL.
STL. BM.
SLOPING STL BM.
STL. BM.
BEAM CONN TO COLUMN PER
TYP EA END
TS COL
SIM.
TS COL.
SIM
3/4" THICK BASE ℞
FIN. 2ND FLR
W.P.
STL. BM
STL BM
3/8" FULL DEPTH CONN ℞ (N.S.) & 3/8" STIFF ℞ (F.S.)
SKEWED TS COL.

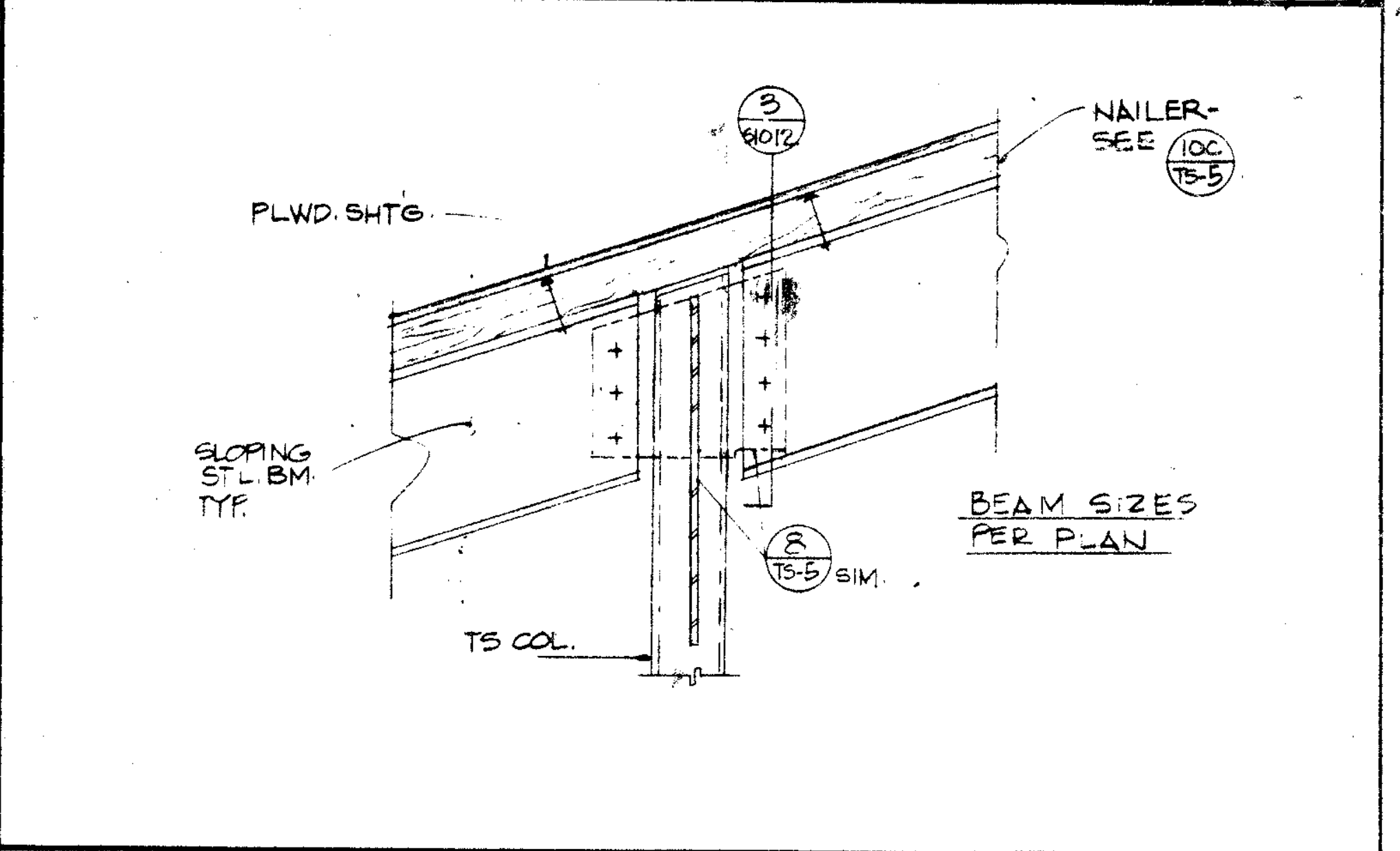
BRACE DETAIL SCALE 3/4"=1'-0" 5


2-7/8" ϕ BOLTS
TS COL.
3 SIDES
BRACE NOT SHOWN FOR CLARITY
STL. BM.
3/8" STIFF. ℞
SKEWED TS COL
3/8" FULL DEPTH CONN. ℞

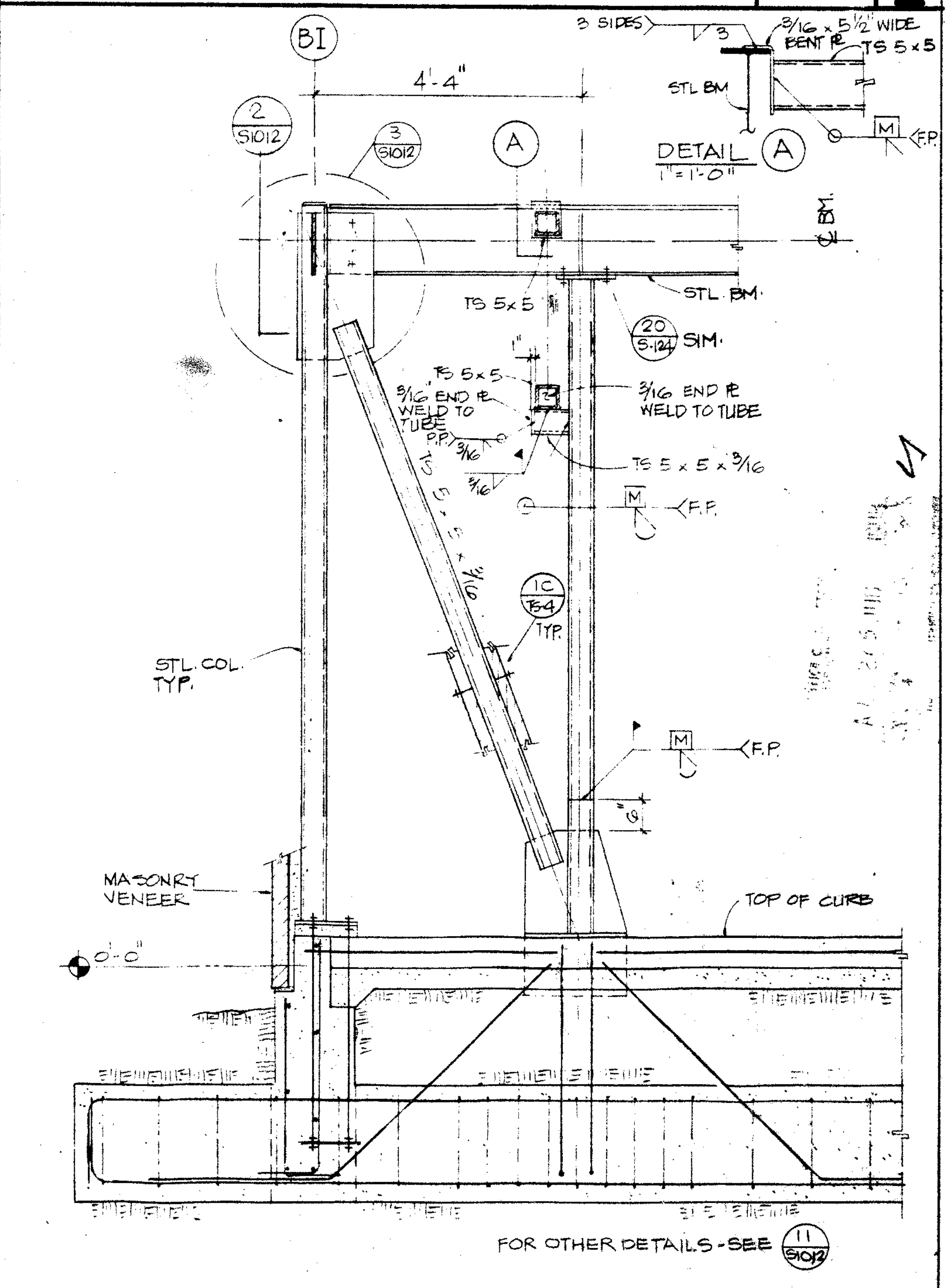
DETAIL SCALE: 3/4"=1'-0" 4


2-7/8" ϕ BOLTS
STL. BM.
STL. BM. NOT SHOWN FOR CLARITY
WORKING POINT
5/8" GUSSET ℞ AT ℄ BRACE
CUT & CHIP FLG. AS REQ'D.
1/2" MAX
1" MIN. TYP.
℄ COL.
℄ BRACE

BRACE DETAIL SCALE: 3/4"=1'-0" 3


NAILER - SEE
PLWD. SHTG.
SLOPING STL. BM. TYP.
BEAM SIZES PER PLAN
SIM.
TS COL.

DETAIL SCALE 1"=1'-0" 2


3 SIDES
3/16 x 5 1/2 WIDE BENT ℞
TS 5x5
B1
4'-4"
A
DETAIL A
1"=1'-0"
STL BM.
STL. BM.
TS 5x5
SIM.
5/16 END ℞ WELD TO TUBE
TS 5x5x3/16
F.P.
STL. COL TYP.
TYP
F.P.
MASONRY VENEER
0'-0"
TOP OF CURB
FOR OTHER DETAILS - SEE

ELEVATION- BRACED FRAME SCALE 1/2"=1'-0" 1

Drawn By M.N.
Checked By S.R.D.
Date MAR 1988
Commission No 1.30.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers

No. 956
EXP. 12-31-88

Architects Planners
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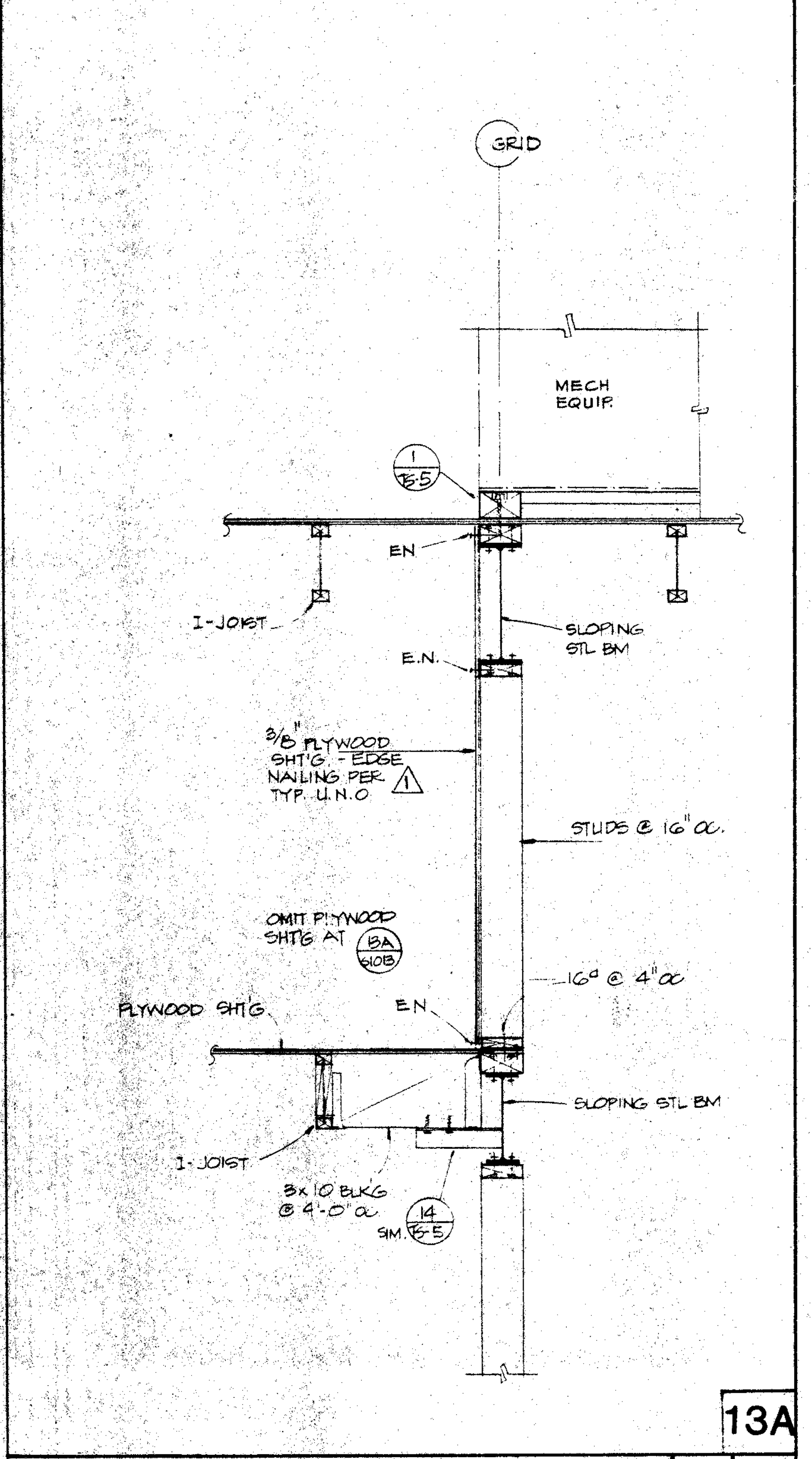
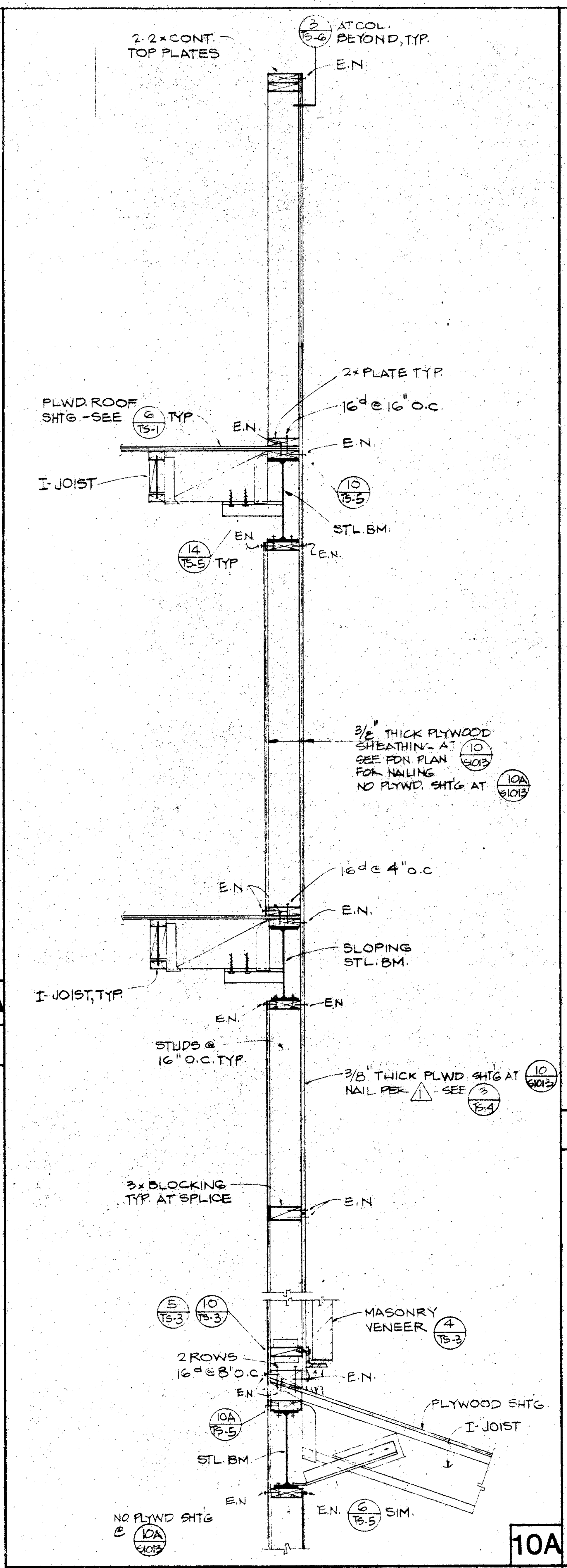
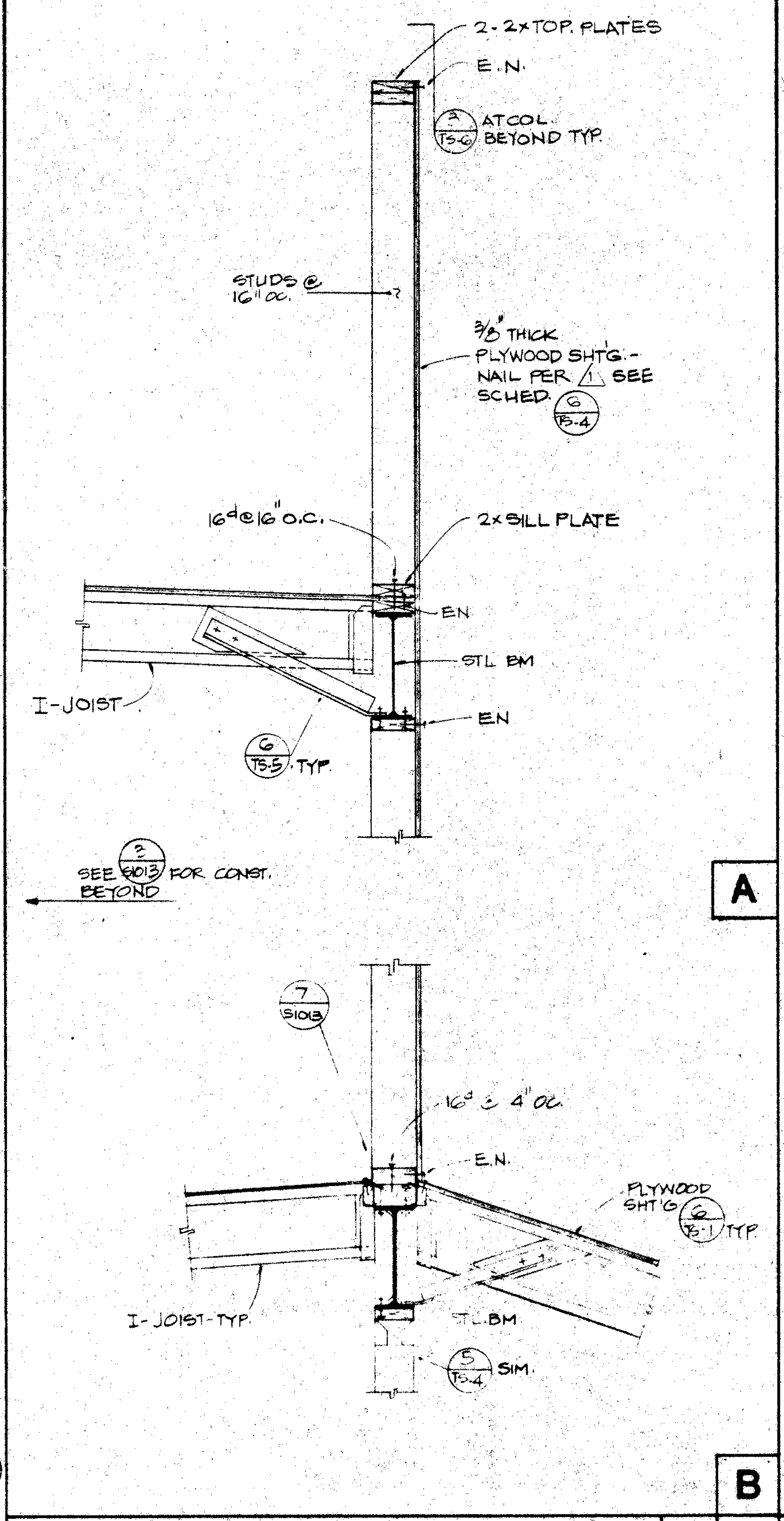

GRID
MECH EQUIP.
1/TS-5
EN
I-JOIST
SLOPING STL BM
E.N.
3/8" PLYWOOD SHT'G. - EDGE NAILING PER 1 TYP. U.N.O
STUDS @ 16" oc.
OMIT PLYWOOD SHT'G AT 13A/S1013
16d @ 4" oc
PLYWOOD SHT'G
EN
SLOPING STL BM
I-JOIST
3x10 BLKG @ 4'-0" oc
SIM. 14/TS-5
13A

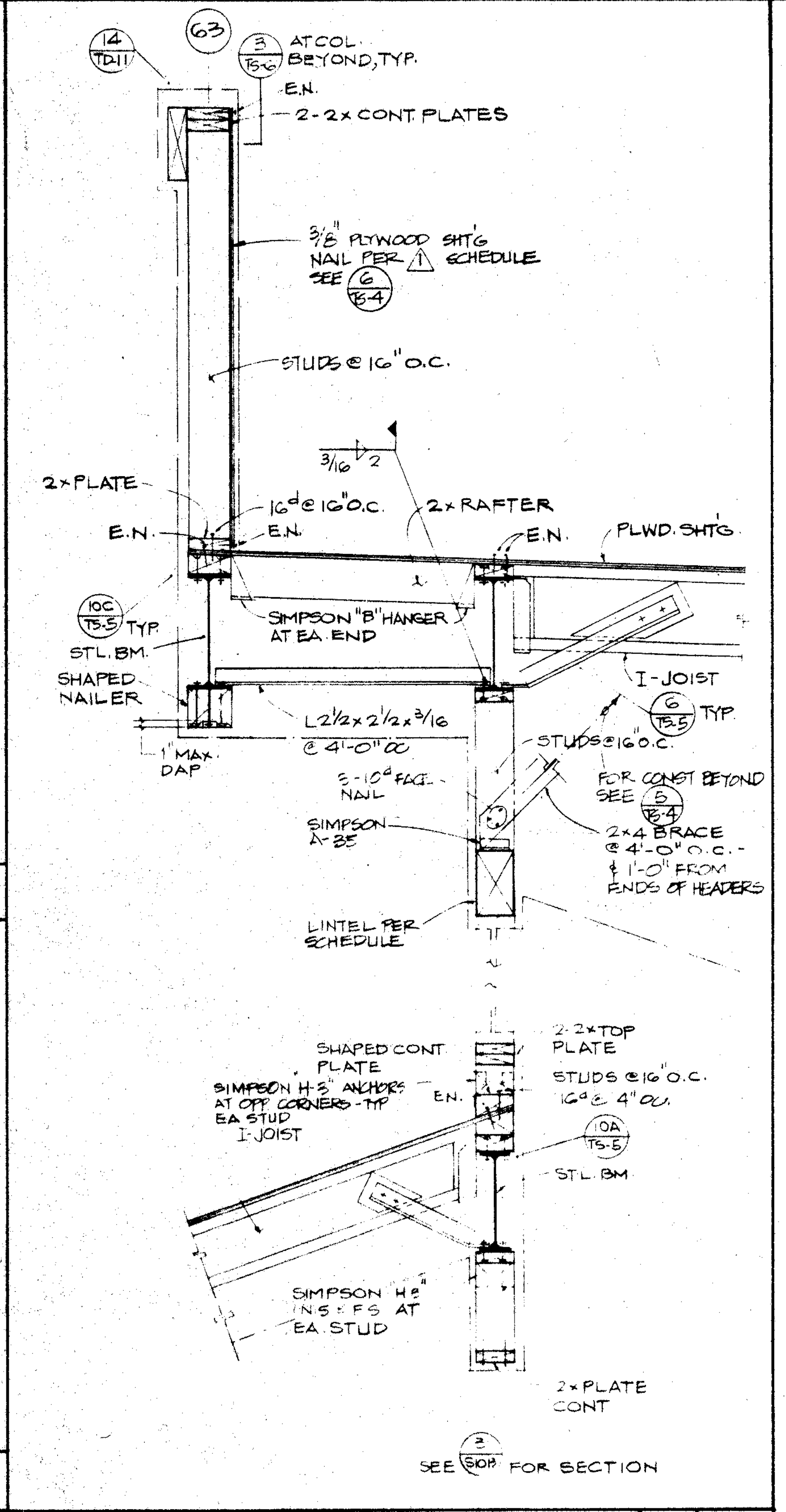
SECTION 3/4" 13


2-2x CONT. TOP PLATES
3/TS-6 AT COL. BEYOND, TYP.
E.N.
2x PLATE TYP.
16d @ 16" o.c.
PLWD. ROOF SHTG. - SEE 6/TS-1 TYP.
E.N.
E.N.
I-JOIST
10/TS-5
STL. BM.
EN
E.N.
14/TS-5 TYP
3/8" THICK PLYWOOD SHEATHING AT 10/S1013 SEE FDN. PLAN FOR NAILING NO PLYWD. SHT'G AT 10A/S1013
16d @ 4" o.c
E.N.
E.N.
SLOPING STL. BM.
I-JOIST, TYP.
EN
E.N.
STUDS @ 16" O.C. TYP.
3/8" THICK PLWD. SHT'G AT 10/S1013 NAIL PER 1 - SEE 3/TS-4
3x BLOCKING TYP. AT SPLICE
E.N
5/TS-3 10/TS-3
MASONRY VENEER 4/TS-3
2 ROWS 16d @ 8" O.C.
E.N.
EN
10A/TS-5
PLYWOOD SHTG.
I-JOIST
STL. BM
E.N
E.N. 6/TS-5 SIM.
NO PLYWD SHTG @ 10A/S1013
10A

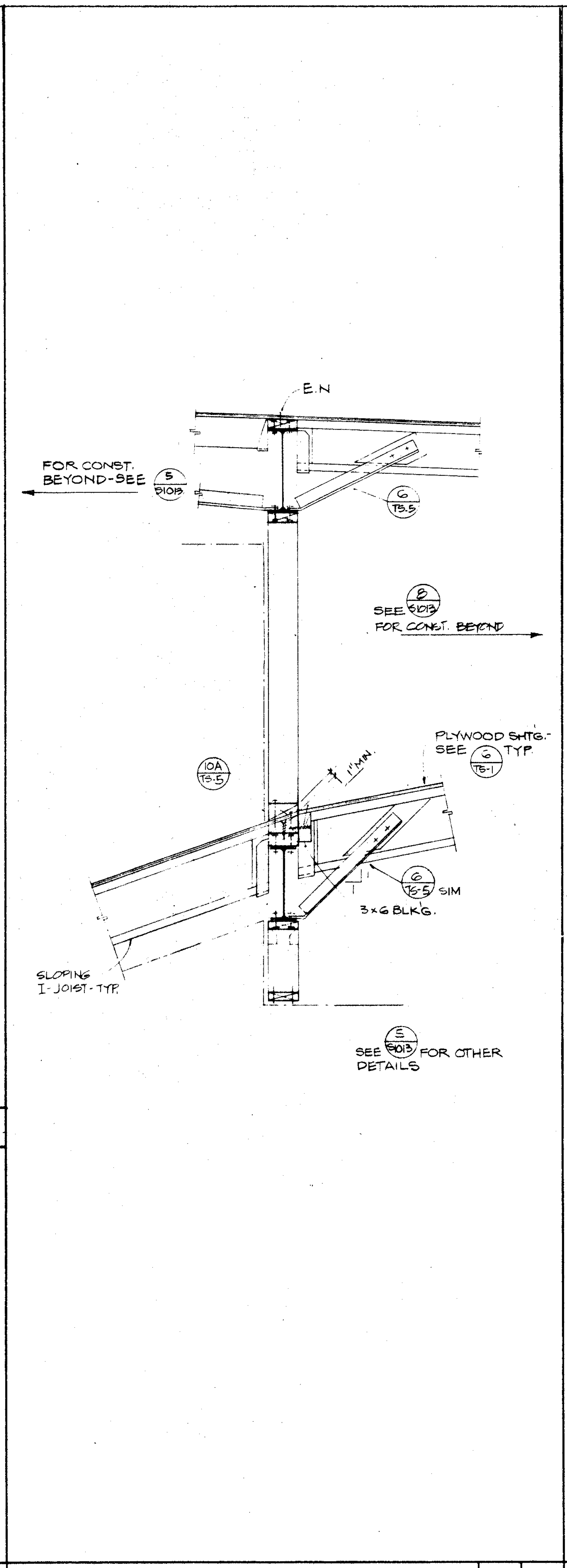
SECTION 3/4" 10


2-2x TOP. PLATES
E.N.
3/TS-6 AT COL. BEYOND TYP.
STUDS @ 16" oc.
3/8" THICK PLYWOOD SHT'G. - NAIL PER 1 SEE SCHED. 6/TS-4
16d @ 16" o.c.
2x SILL PLATE
EN
STL BM
EN
I-JOIST
6/TS-5 TYP
SEE 3/S1013 FOR CONST. BEYOND
A
7/S1013
16d @ 4" oc.
E.N.
PLYWOOD SHT'G 6/TS-1 TYP.
I-JOIST-TYP.
STL.BM.
5/TS-4 SIM.
B

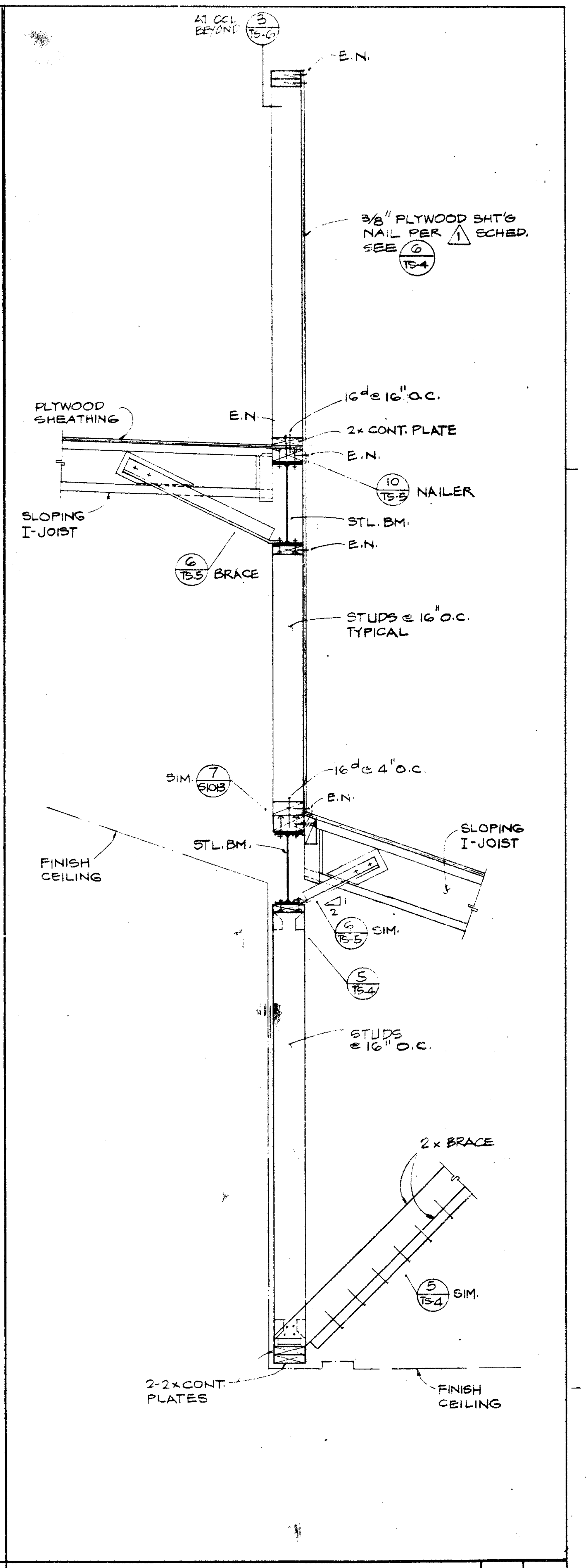
SECTION 3/4" 8


14/TD11
63
3/TS-6 AT COL. BEYOND, TYP.
E.N.
2-2x CONT. PLATES
3/8" PLYWOOD SHT'G NAIL PER 1 SCHEDULE SEE 6/TS-4
STUDS @ 16" O.C.
3/16 2
2x PLATE
16d @ 16" o.c.
2x RAFTER
E.N.
E.N.
E.N.
PLWD. SHT'G.
10C/TS-5 TYP
STL. BM.
SIMPSON "B" HANGER AT EA. END
SHAPED NAILER
I-JOIST
6/TS-5 TYP.
L2 1/2x2 1/2x3/16 @ 4'-0" oc
1" MAX. DAP
STUDS @ 16" o.c.
5-10d FACE NAIL
FOR CONST BEYOND SEE 5/TS-4
SIMPSON A-35
2x4 BRACE @ 4'-0" o.c. - & 1'-0" FROM ENDS OF HEADERS
LINTEL PER SCHEDULE
2-2x TOP PLATE
SHAPED CONT. PLATE
STUDS @ 16" O.C.
SIMPSON H-3" ANCHORS AT OPP. CORNERS - TYP EA STUD
E.N.
16d @ 4" oc.
I-JOIST
10A/TS-5
STL. BM
SIMPSON H-8" INS. & FS AT EA. STUD
2x PLATE CONT
SEE 3/S1013 FOR SECTION

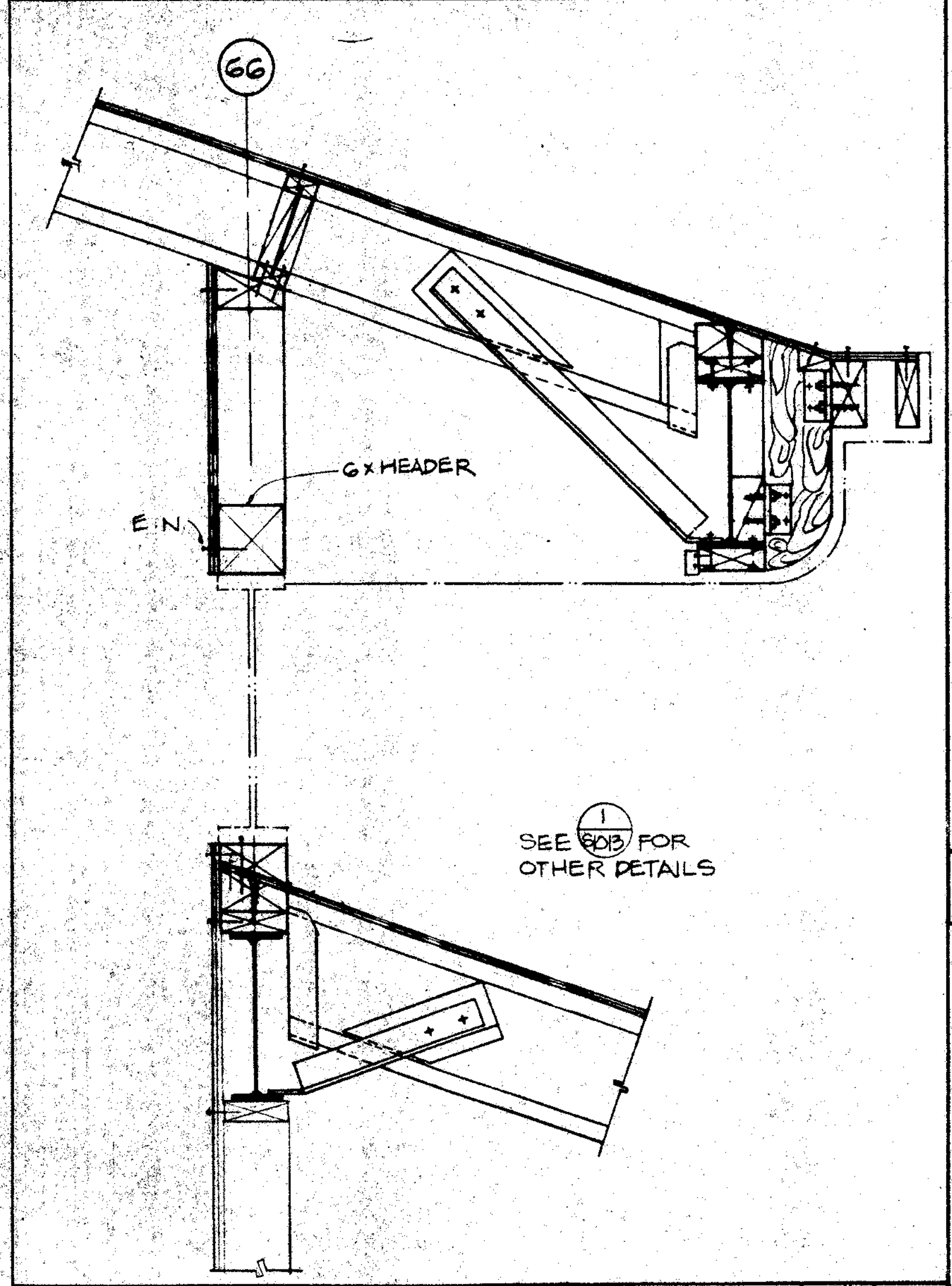
SECTION 3/4" 5


E.N
FOR CONST. BEYOND-SEE 5/S1013
6/TS-5
SEE 8/S1013 FOR CONST. BEYOND
PLYWOOD SHTG. - SEE 6/TS-1 TYP.
10A/TS-5
1" MIN.
6/TS-5 SIM
3x6 BLKG.
SLOPING I-JOIST-TYP.
SEE 5/S1013 FOR OTHER DETAILS

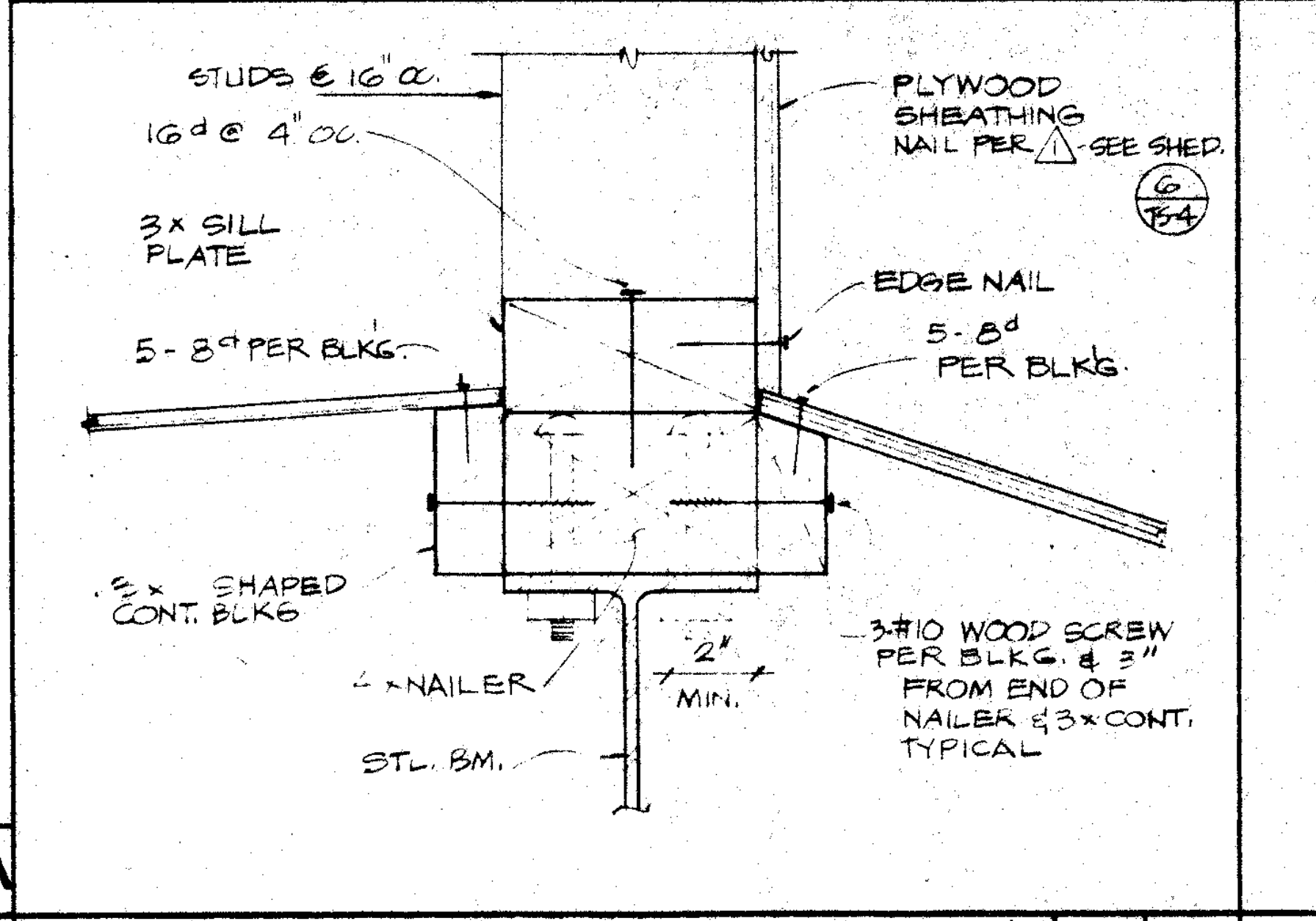
SECTION 3/4" 3


AT COL. BEYOND 3/TS-6
E.N.
3/8" PLYWOOD SHT'G NAIL PER 1 SCHED. SEE 6/TS-4
PLYWOOD SHEATHING
E.N.
16d @ 16" o.c.
2x CONT. PLATE
E.N.
10/TS-5 NAILER
SLOPING I-JOIST
STL. BM.
E.N.
6/TS-5 BRACE
STUDS @ 16" o.c. TYPICAL
SIM. 7/S1013
16d @ 4" o.c.
E.N.
FINISH CEILING
STL. BM.
SLOPING I-JOIST
1 2
6/TS-5 SIM.
5/TS-4
STUDS @ 16" O.C.
2x BRACE
5/TS-4 SIM.
2-2x CONT. PLATES
FINISH CEILING

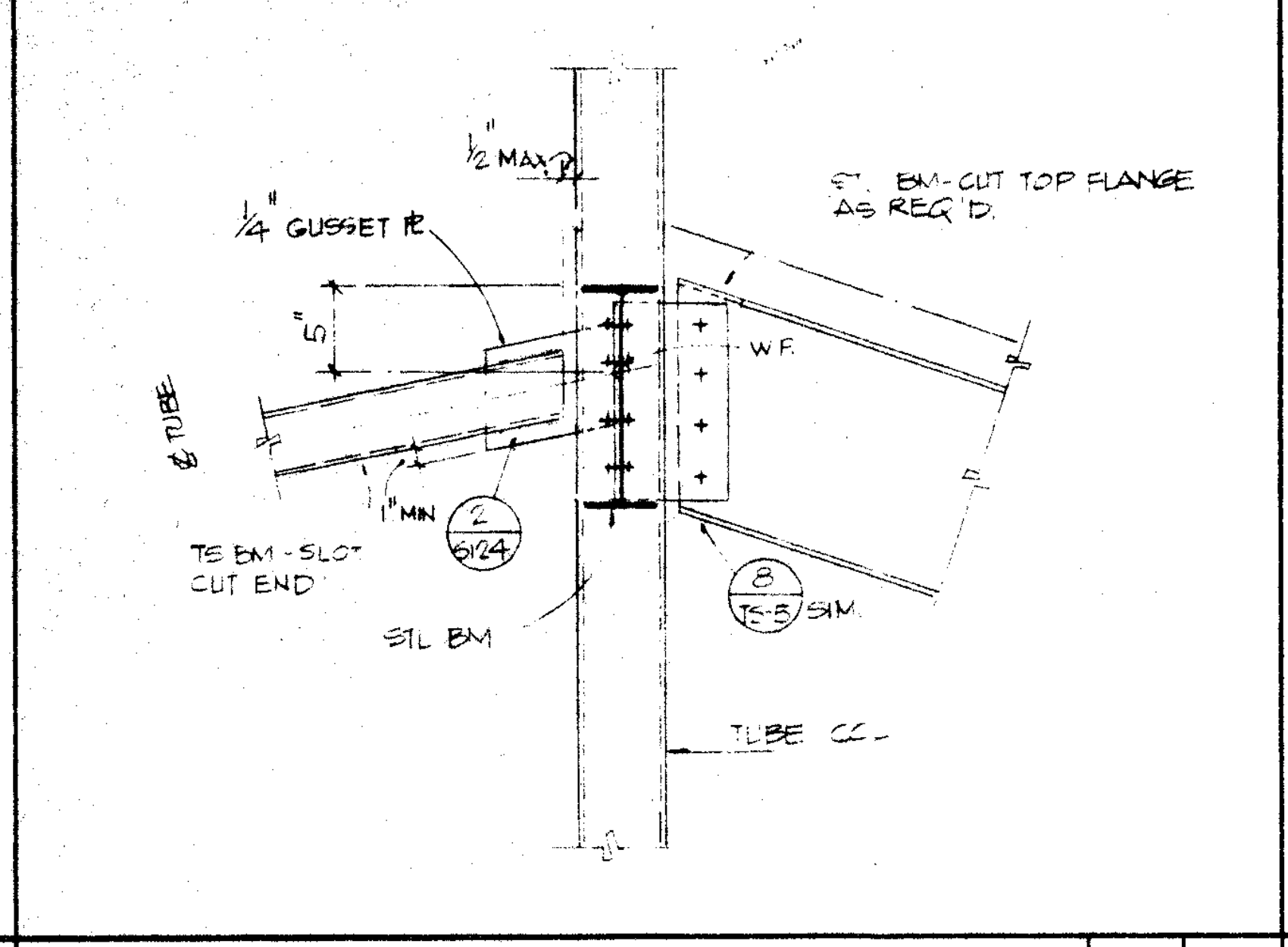
SECTION 3/4" 2


66
6x HEADER
E.N.
SEE 1/S1013 FOR OTHER DETAILS

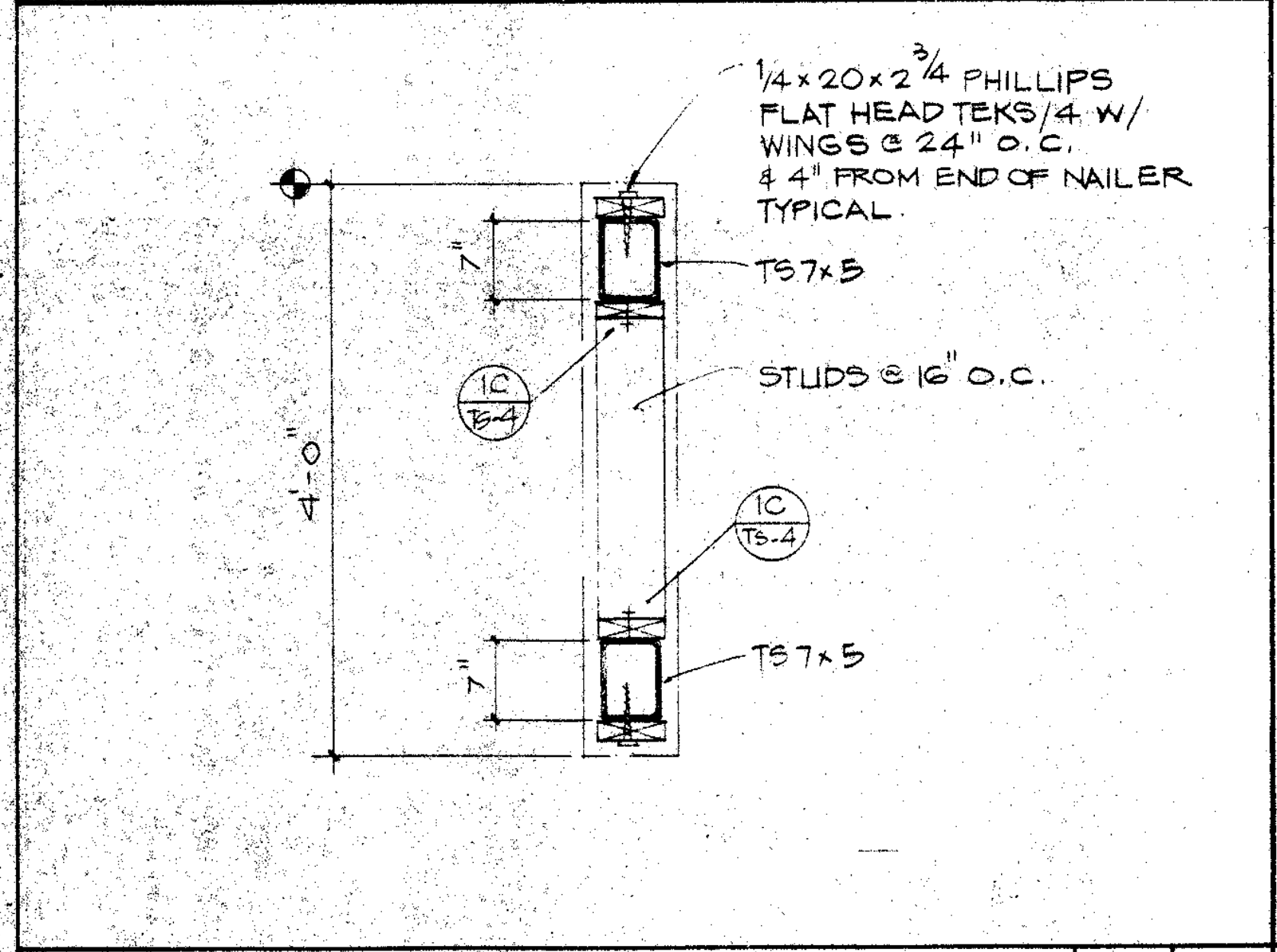
SECTION 12


STUDS @ 16" oc.
16d @ 4" oc.
3x SILL PLATE
5-8d PER BLKG.
PLYWOOD SHEATHING NAIL PER 1 - SEE SHED. 6/TS-4
EDGE NAIL
5-8d PER BLKG.
3x SHAPED CONT. BLKG
4x NAILER
2" MIN.
STL. BM.
3-#10 WOOD SCREW PER BLKG. & 3" FROM END OF NAILER & 3x CONT. TYPICAL

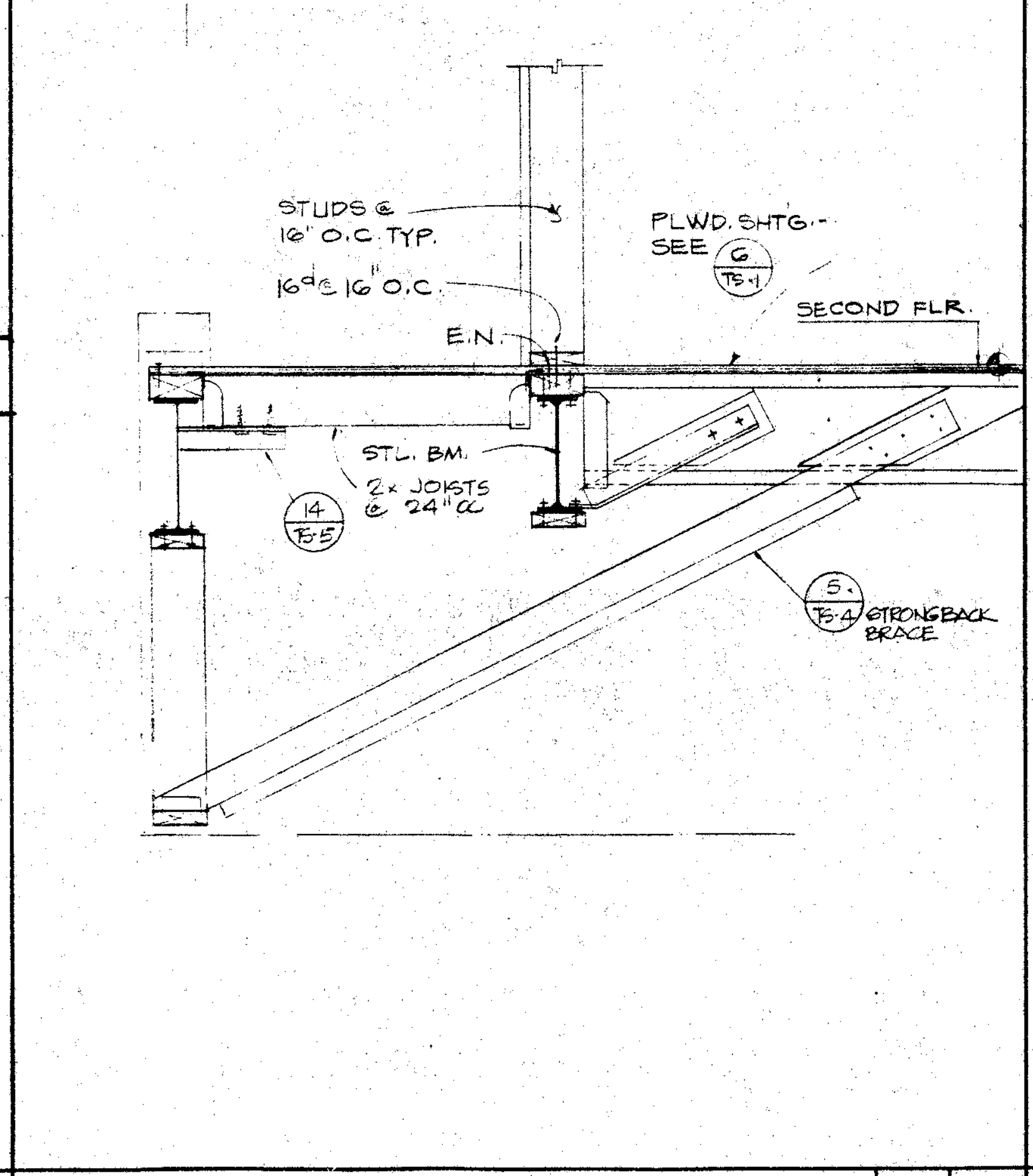
SECTION 3" 7


1/2" MAX.
1/4" GUSSET PL
ST. BM - CUT TOP FLANGE AS REQ'D.
5"
W.F.
℄ TUBE
1" MIN
2/S124
TS BM - SLOT CUT END
8/TS-5 SIM.
STL BM
TUBE COL.

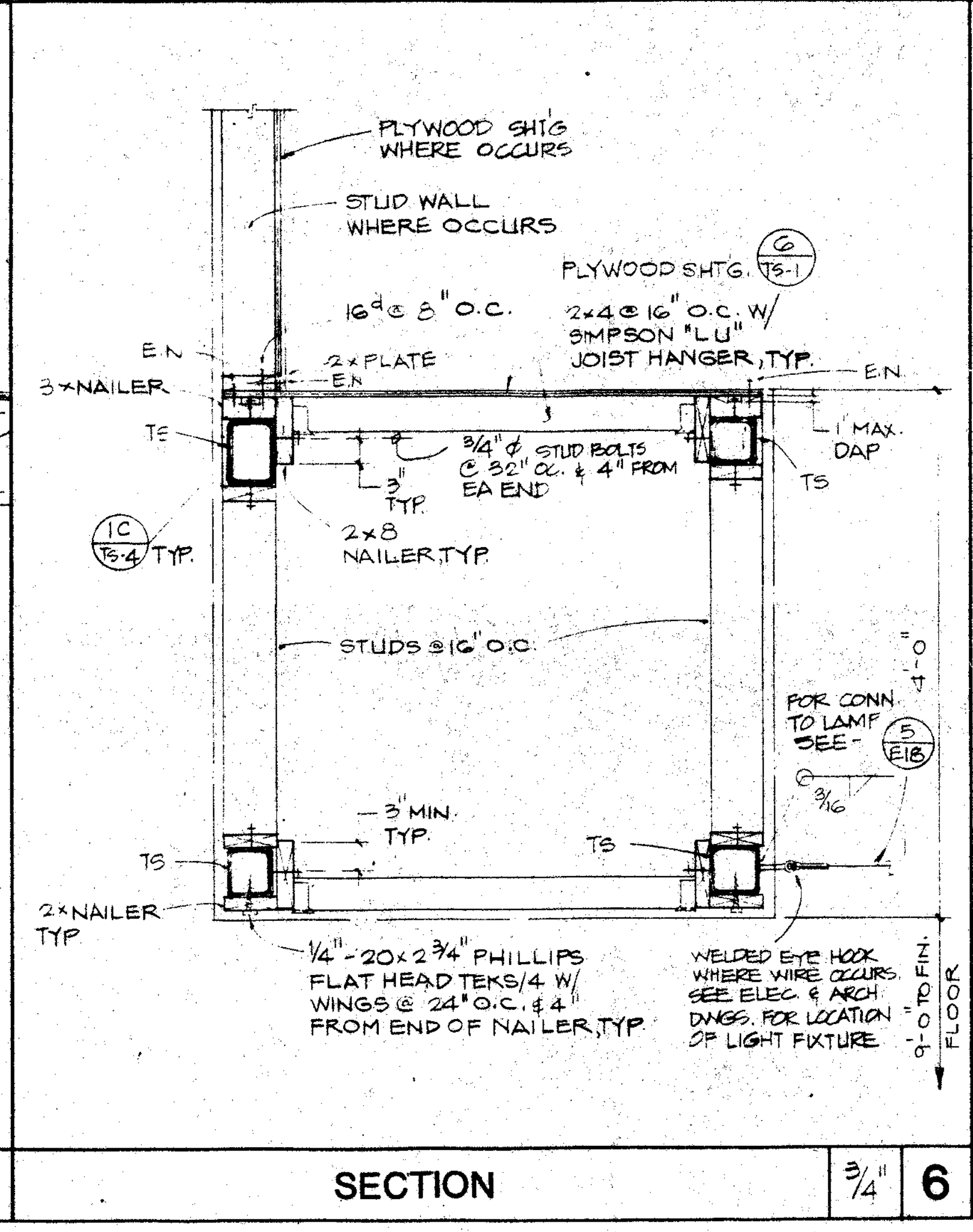
DETAIL 1" 4A


1/4x20x2 3/4 PHILLIPS FLAT HEAD TEKS/4 W/ WINGS @ 24" O.C. & 4" FROM END OF NAILER TYPICAL
TS 7x5
7"
1C/TS-4
STUDS @ 16" O.C.
4'-0"
1C/TS-4
7"
TS 7x5

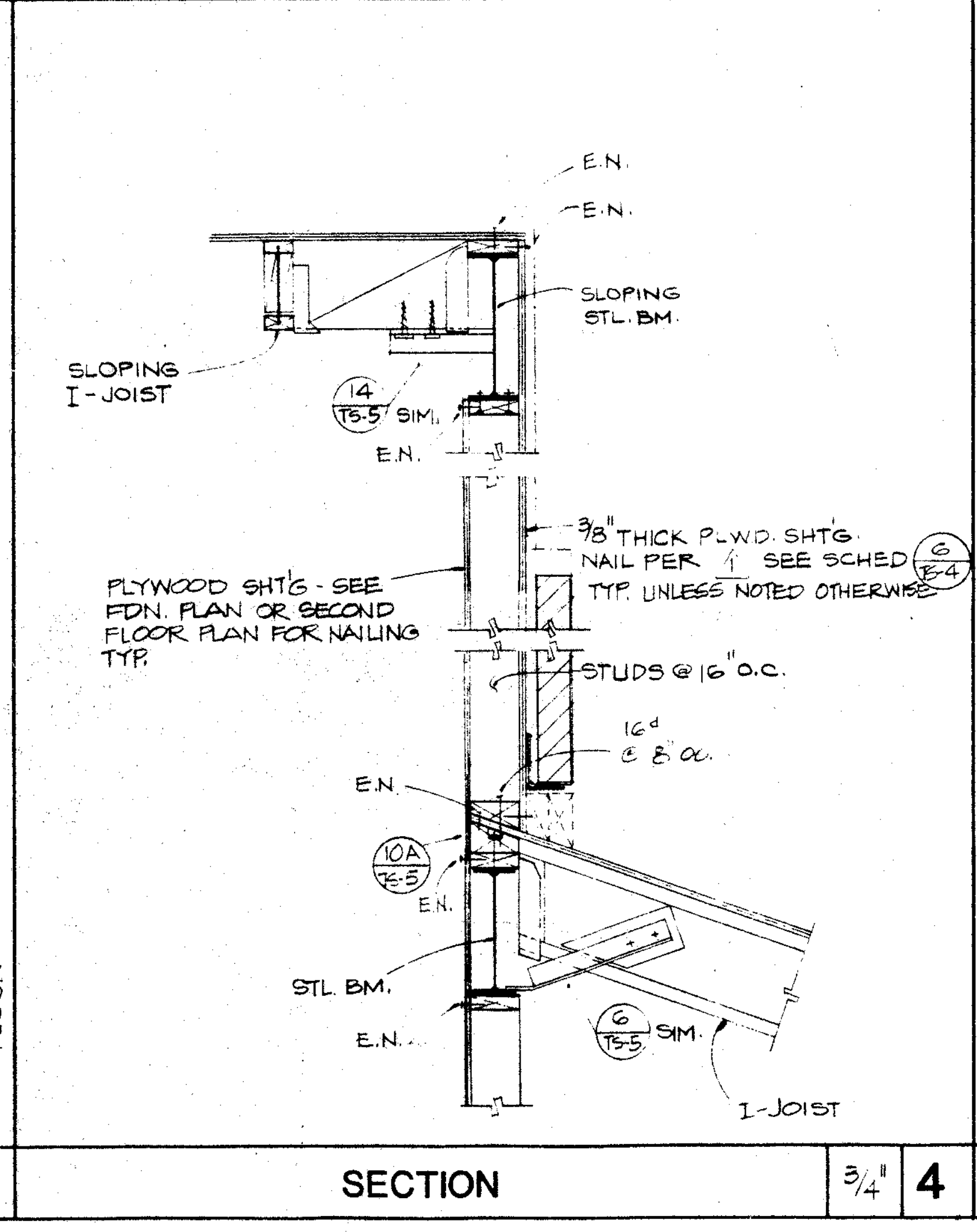
SECTION 3/4" 11


STUDS @ 16" O.C. TYP.
16d @ 16" O.C.
PLWD. SHTG. - SEE 6/TS-1
SECOND FLR.
E.N.
STL. BM.
2x JOISTS @ 24" oc
14/TS-5
5/TS-4 STRONGBACK BRACE

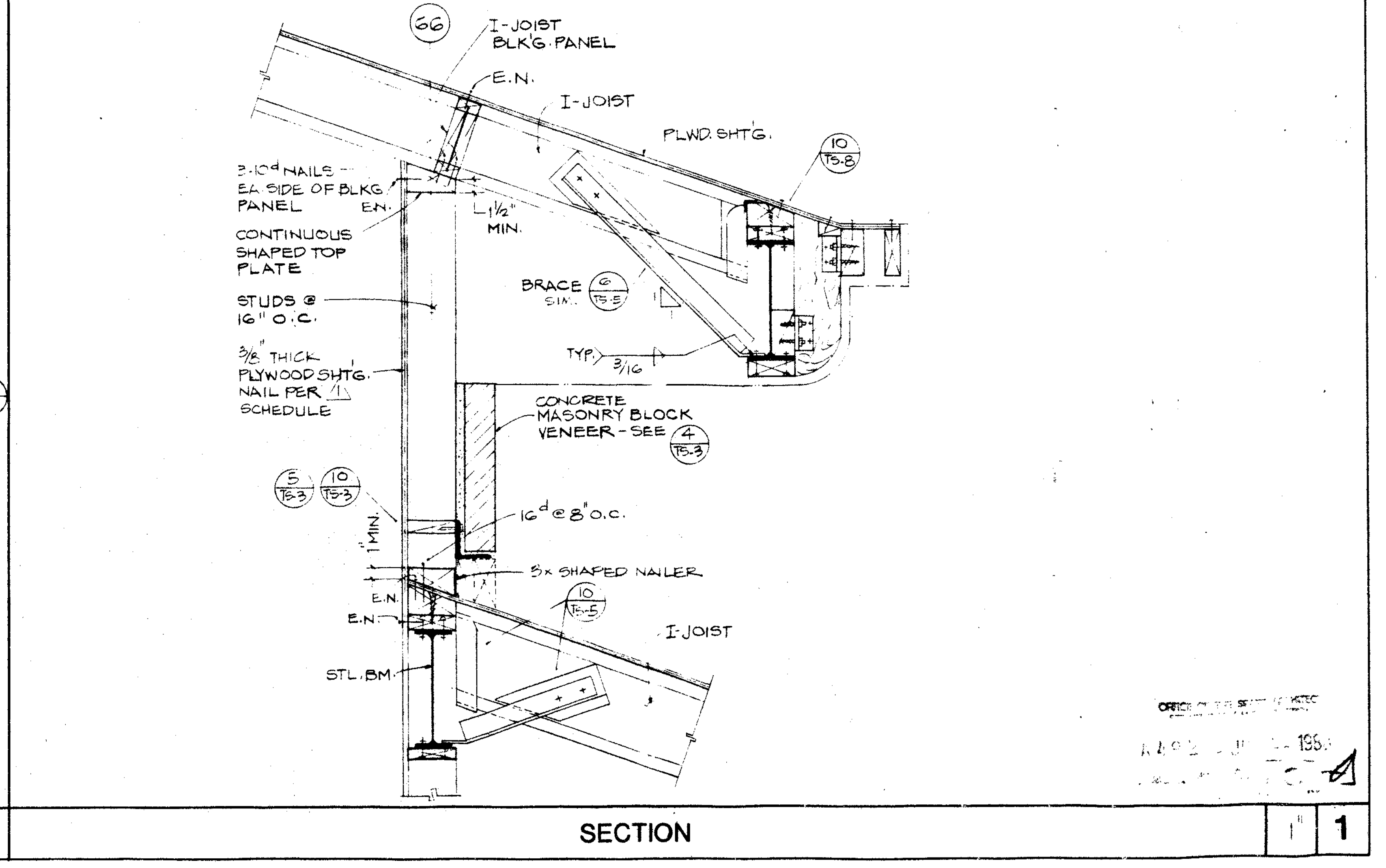
SECTION 3/4" 9


PLYWOOD SHT'G WHERE OCCURS
STUD WALL WHERE OCCURS
PLYWOOD SHTG. 6/TS-1
16d @ 8" O.C.
2x4 @ 16" O.C. W/ SIMPSON "LU" JOIST HANGER, TYP.
E.N
3x NAILER
2x PLATE
E.N
E.N.
TS
3/4" ⌀ STUD BOLTS @ 32" oc. & 4" FROM EA END
1" MAX. DAP
3" TYP.
TS
1C/TS-4 TYP.
2x8 NAILER TYP.
STUDS @ 16" O.C.
4'-0"
FOR CONN TO LAMP SEE - 5/E18
3/16
3" MIN. TYP.
TS
TS
2x NAILER TYP
1/4"-20x2 3/4" PHILLIPS FLAT HEAD TEKS/4 W/ WINGS @ 24" O.C. & 4" FROM END OF NAILER, TYP.
WELDED EYE HOOK WHERE WIRE OCCURS. SEE ELEC. & ARCH DWGS. FOR LOCATION OF LIGHT FIXTURE
9'-0" TO FIN. FLOOR

SECTION 3/4" 6


E.N.
E.N.
SLOPING STL. BM.
SLOPING I-JOIST
14/TS-5 SIM.
E.N.
3/8" THICK PLWD. SHTG. NAIL PER 1 SEE SCHED 6/TS-4 TYP. UNLESS NOTED OTHERWISE
PLYWOOD SHT'G - SEE FDN. PLAN OR SECOND FLOOR PLAN FOR NAILING TYP.
STUDS @ 16" O.C.
16d @ 8" oc.
E.N.
10A/TS-5
E.N.
STL. BM.
E.N.
6/TS-5 SIM.
I-JOIST

SECTION 3/4" 4


66
I-JOIST BLK'G. PANEL
E.N.
I-JOIST
PLWD. SHT'G.
10/TS-8
3-10d NAILS EA. SIDE OF BLKG. PANEL
E.N.
1 1/2" MIN.
CONTINUOUS SHAPED TOP PLATE
STUDS @ 16" O.C.
BRACE SIM. 6/TS-5
TYP. 3/16
3/8" THICK PLYWOOD SHT'G. NAIL PER 1 SCHEDULE
CONCRETE MASONRY BLOCK VENEER - SEE 4/TS-3
5/TS-3 10/TS-3
1" MIN.
16d @ 8" o.c.
3x SHAPED NAILER
10/TS-5
E.N.
E.N.
I-JOIST
STL. BM.

SECTION 1" 1

Drawn By MCL Checked By SRU Date MAR 1988 Commission No. 1.30.02	Revisions	**Brandow & Johnston Assoc.** **Structural Engineers**	No. 956 EXP. 12.31.88	Architects Planners RUHNAU McGAVIN RUHNAU/ASSOCIATES 3775 Tenth Street Riverside, CA 92501-3669 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-1995 619/438-5899	**ARCHITECT** C-6497	**West Hills High School** Grossmont Union High School District San Diego, Ca · San Diego County	**Library / Guidance Center** **Bldg. No. 10** **Sections**

Sheet Number
S1013
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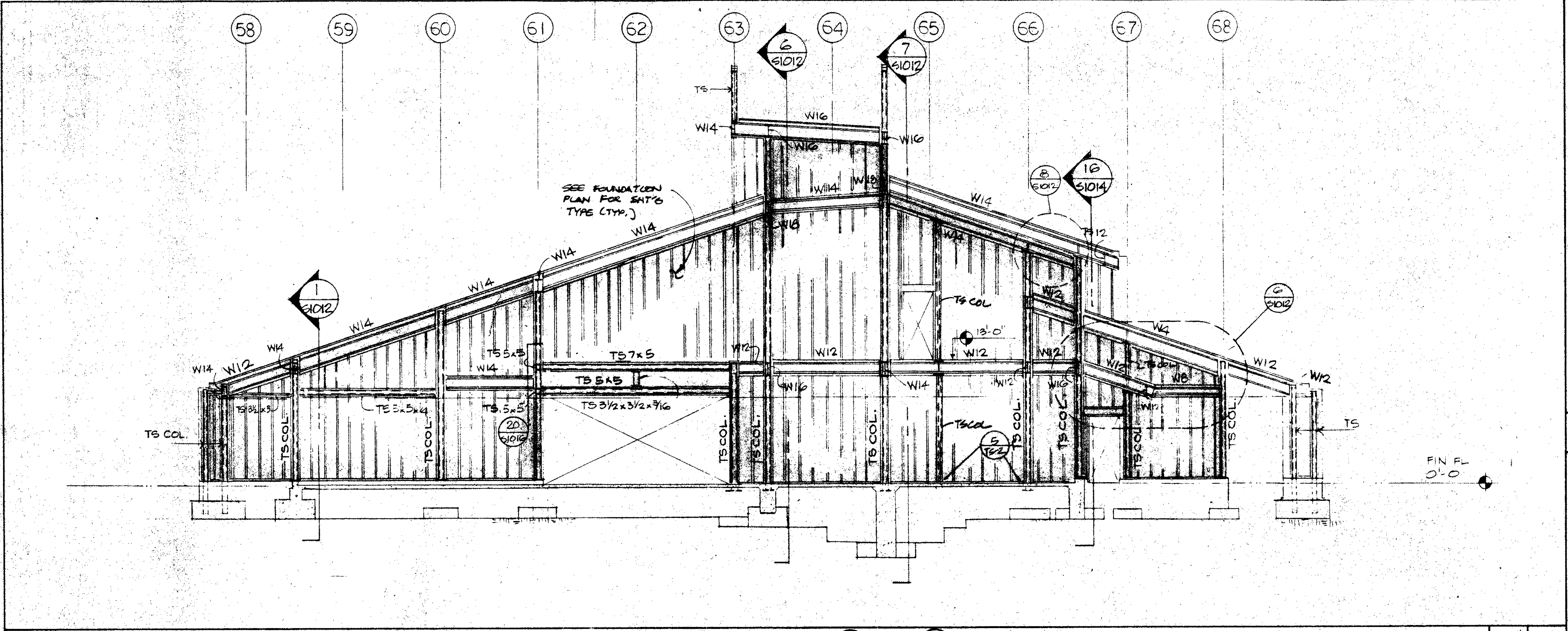
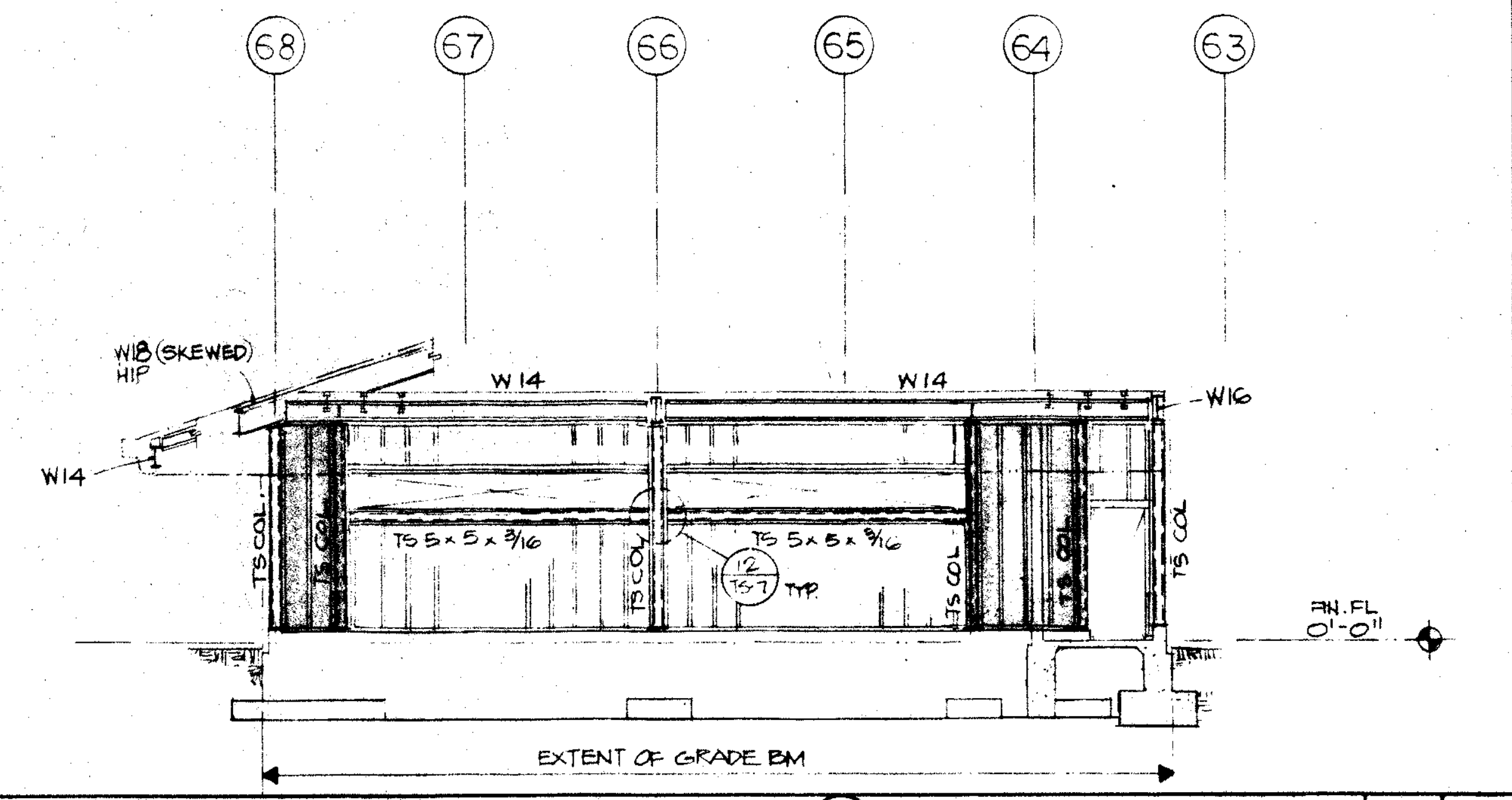
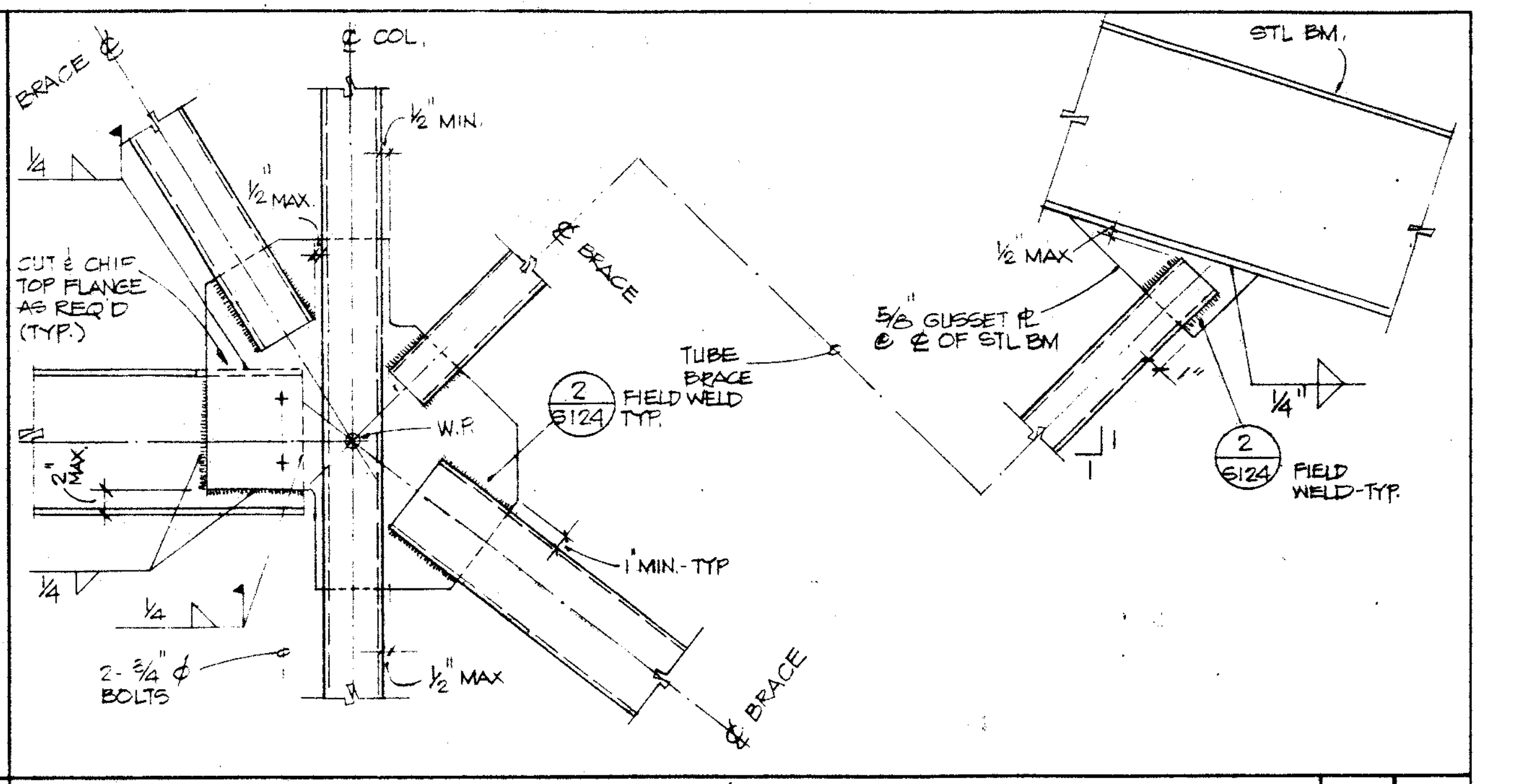

58
59
60
61
62
63
64
65
66
67
68
6 S1012
7 S1012
16 S1014
1 S1012
20 S1014
5 S1014
W14
W16
W12
SEE FOUNDATION PLAN FOR BNT'S TYPE (TYP.)
TS COL
TS 7x5
TS 5x5
TS 3½x3½x3⁄16
FIN. FL. 0'-0"

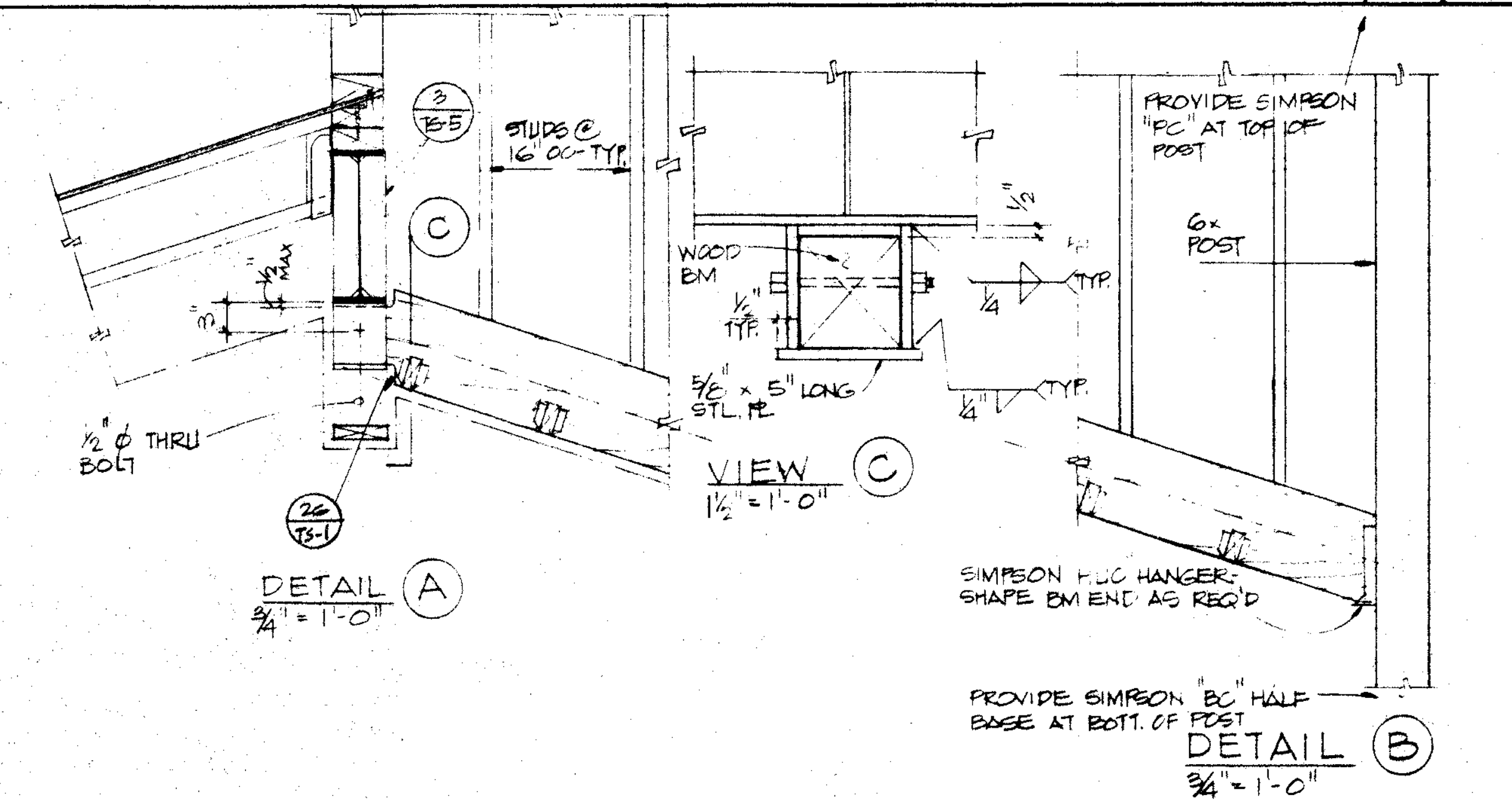
STRUCTURAL ELEVATION BETWEEN GRIDS (BA) & (BB) (LOOKING NORTH) 1/8" 17


68
67
66
65
64
63
W8 (SKEWED) HIP
W14
W16
TS COL
TS 5x5x3⁄16
FIN. FL. 0'-0"
EXTENT OF GRADE BM

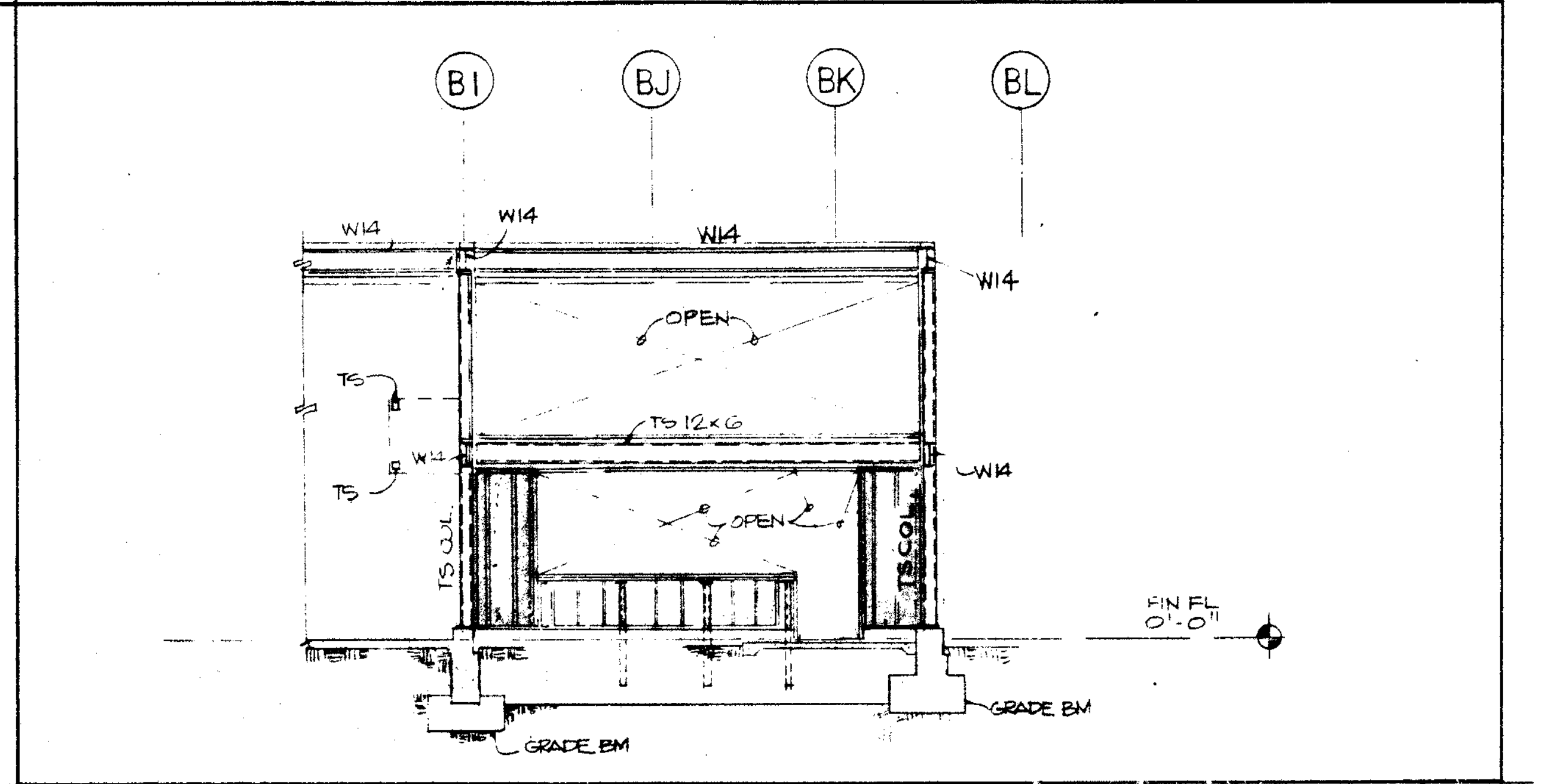
STRUCTURAL ELEVATION ON GRID (AW) (LOOKING SOUTH) 1/8" 10


℄ COL.
BRACE ℄
½" MIN.
½ MAX
CUT & CHIP TOP FLANGE AS REQ'D (TYP.)
℄ BRACE
TUBE BRACE
2 S1014 FIELD WELD TYP.
W.P.
1" MIN.-TYP
½" MAX
2-¾"⌀ BOLTS
BRACE
STL BM.
½" MAX
⅝ GUSSET ℄ ℄ OF STL BM
¼
2 S1014 FIELD WELD-TYP.

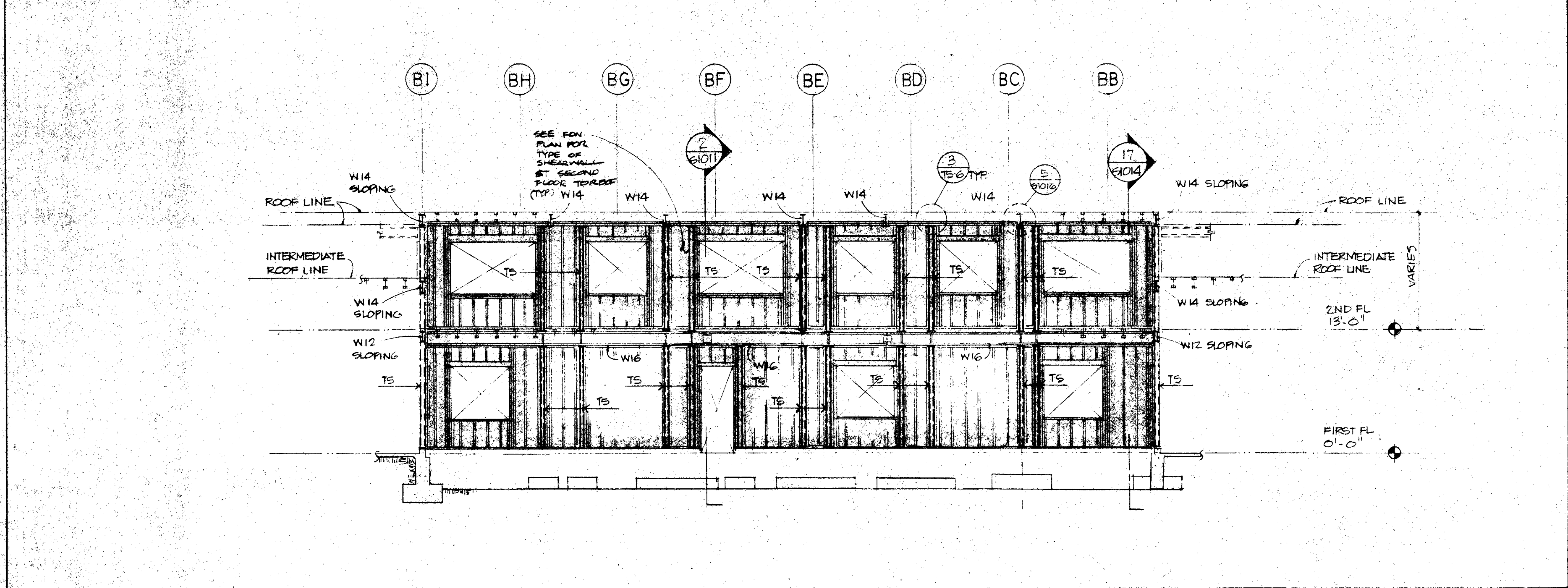
DETAIL 1" 5


3 S1014
STUDS @ 16" OC-TYP.
C
WOOD BM
½"⌀ THRU BOLT
⅜" x 5" LONG STL. ℄
DETAIL A ¾"=1'-0"
VIEW C 1½"=1'-0"
PROVIDE SIMPSON "PC" AT TOP OF POST
6x POST
SIMPSON HUC HANGER. SHAPE BM END AS REQ'D
PROVIDE SIMPSON "BC" HALF BASE AT BOTT. OF POST
DETAIL B ¾"=1'-0"

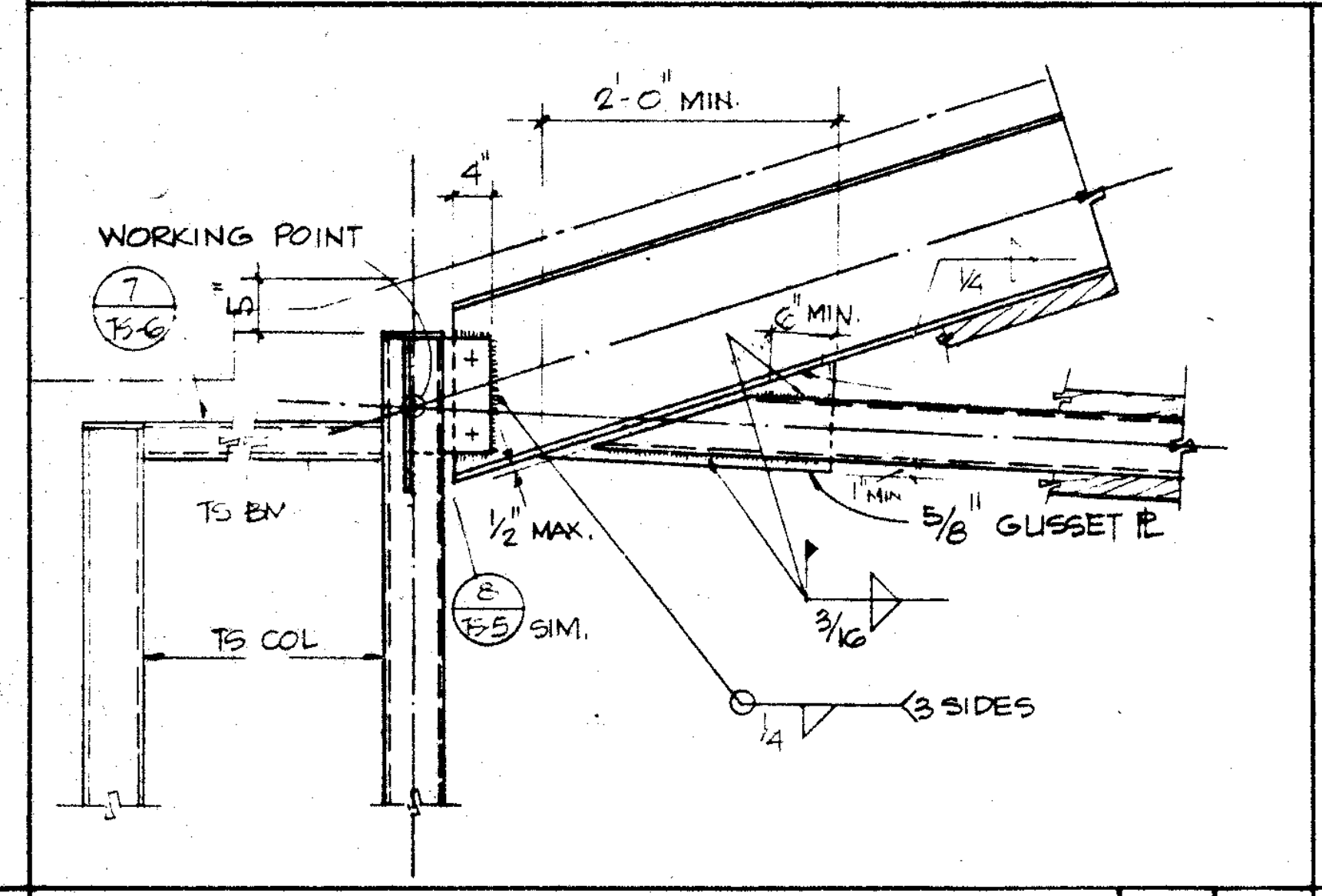
DETAILS AS NOTED 9


BI
BJ
BK
BL
W14
OPEN
TS 12x6
TS COL
FIN. FL. 0'-0"
GRADE BM

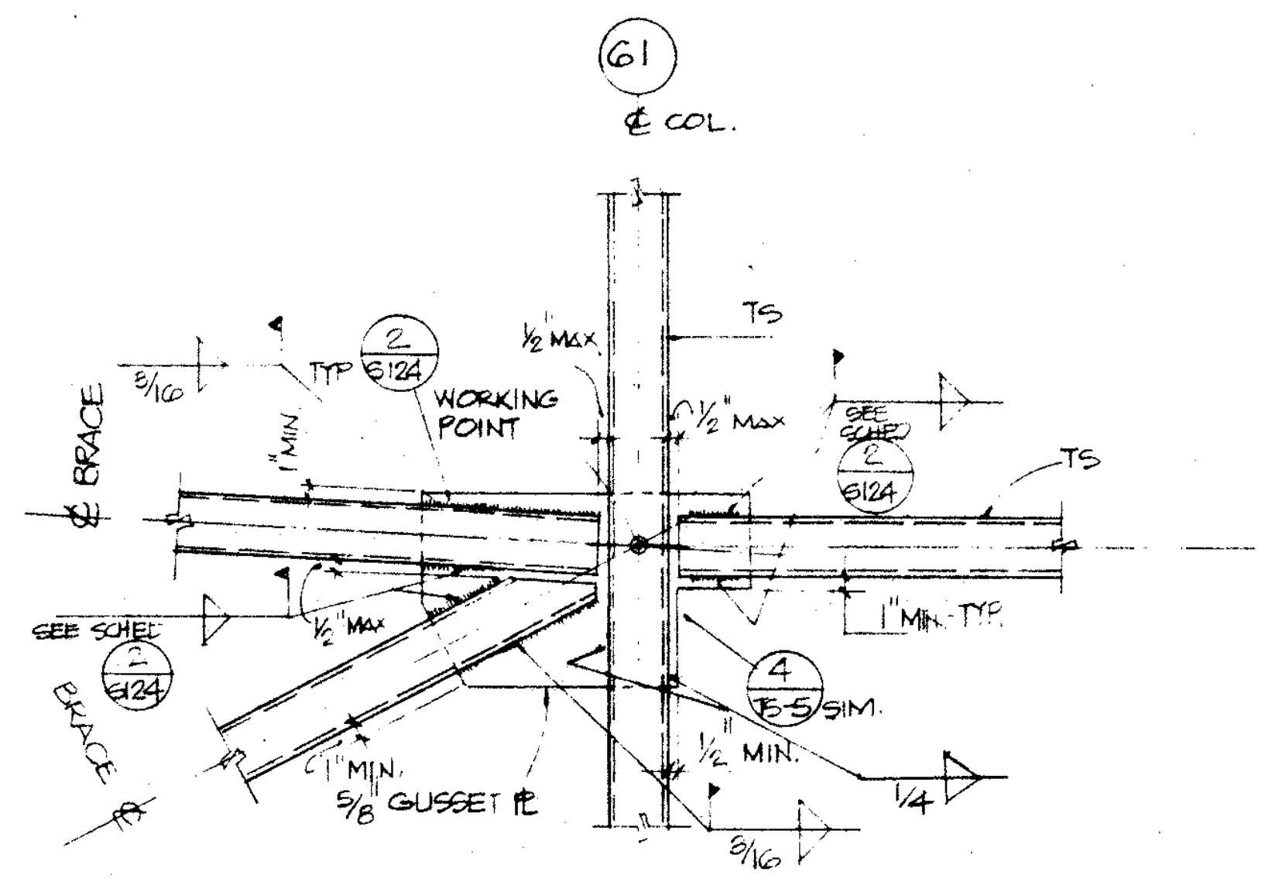
STRUCTURAL ELEVATION ON GRID (61) (LOOKING EAST) 1/8" 4


BI
BH
BG
BF
BE
BD
BC
BB
2 S1011
3 TS-6
5 S1014
17 S1014
SEE FDN PLAN FOR TYPE OF SHEARWALL AT SECOND FLOOR TOP OF FDN.
ROOF LINE
W14 SLOPING
INTERMEDIATE ROOF LINE
W12 SLOPING
W14
W16
TS
VARIES
2ND FL 13'-0"
FIRST FL 0'-0"

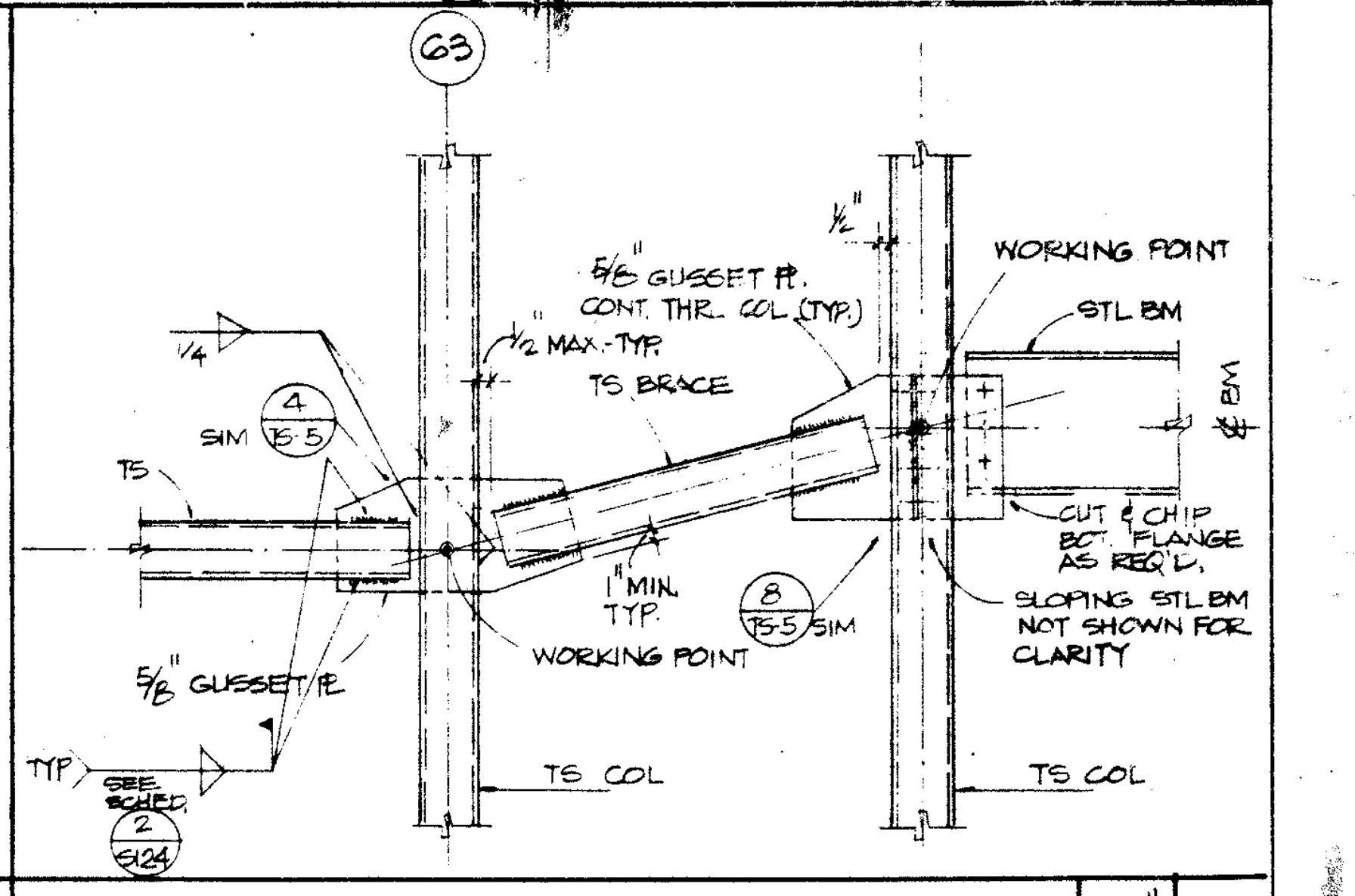
STRUCTURAL ELEVATION AT LINE 66.5 (LOOKING WEST) 1/8" 16


WORKING POINT
7 S1014
2'-0" MIN.
1" MIN.
TS BM
½" MAX.
⅝" GUSSET ℄
TS COL
SIM.
3 SIDES

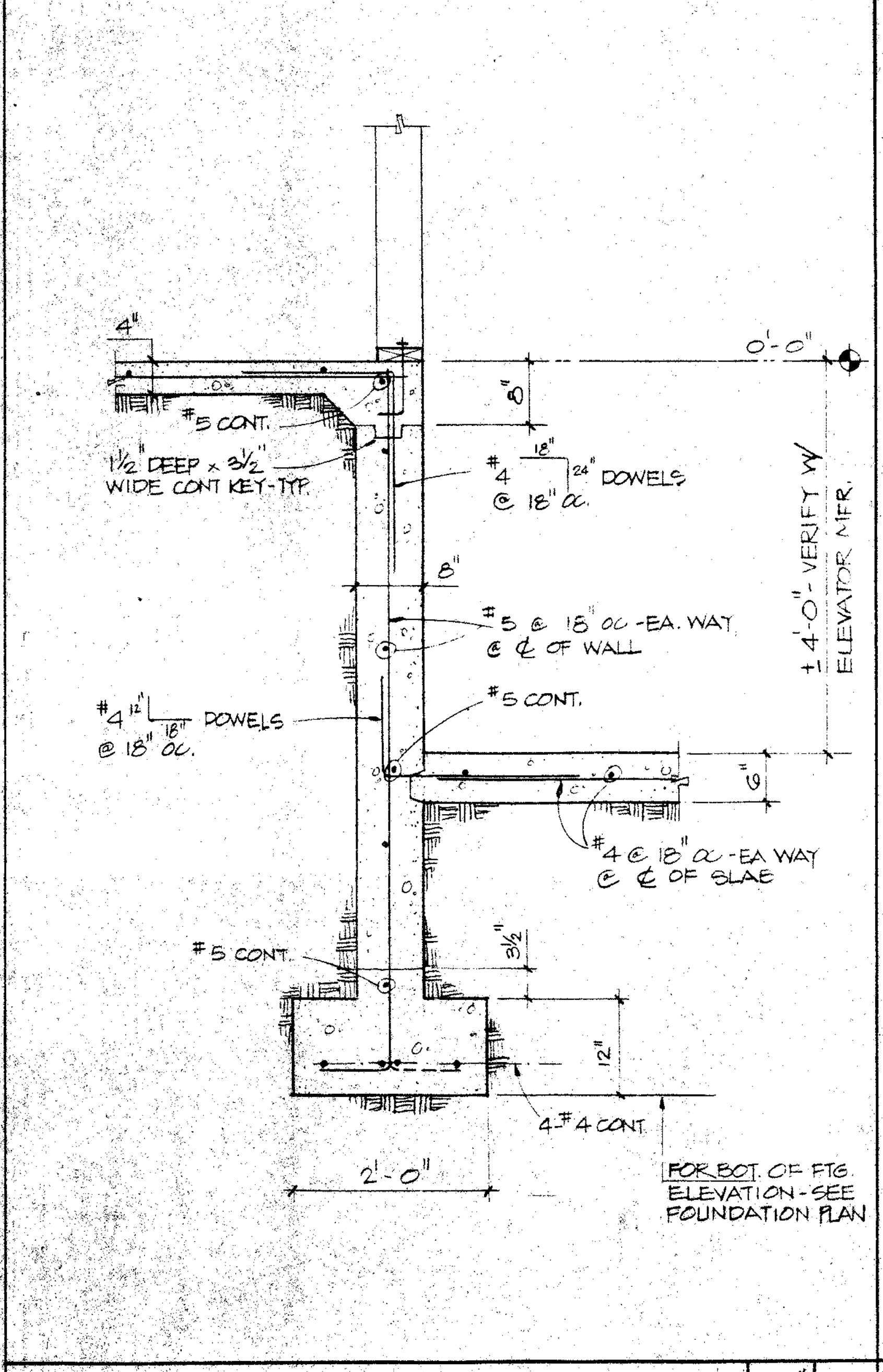
BRACE DETAIL ¾" 12


61
℄ COL.
℄ BRACE
WORKING POINT
½" MAX
TS
1" MIN. TYP
4 S1014 SIM.
½" MIN.
⅝ GUSSET ℄
SEE S1014
BRACE

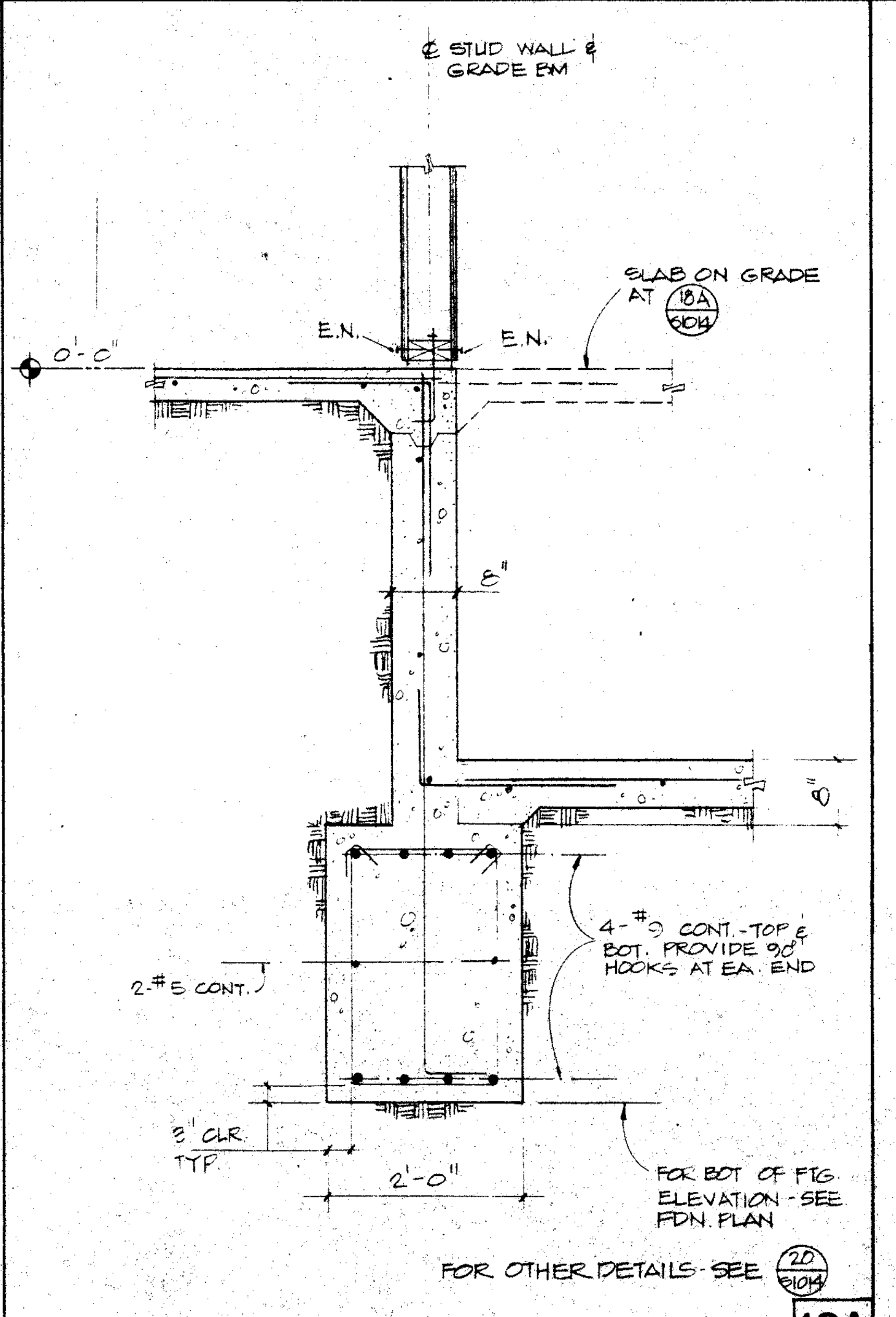
BRACE DETAIL ¾" 8


63
WORKING POINT
⅝ GUSSET ℄ CONT. THR. COL. (TYP.)
½" MAX.-TYP
TS BRACE
STL BM
4 S1014 SIM.
1" MIN. TYP.
WORKING POINT
CUT & CHIP BOT. FLANGE AS REQ'D
SLOPING STL BM NOT SHOWN FOR CLARITY
⅝ GUSSET ℄
TS COL
2 S1014

BRACE DETAIL ¾" 3


4"
0'-0"
#5 CONT.
1½" DEEP x 3½" WIDE CONT KEY-TYP.
#4 @ 18" OC DOWELS
#5 @ 18" OC-EA. WAY @ ℄ OF WALL
14'-0" - VERIFY W/ ELEVATOR MFR.
#5 CONT.
#4 @ 18" OC DOWELS
#4 @ 18" OC-EA WAY @ ℄ OF SLAB
#5 CONT.
4-#4 CONT.
2'-0"
FOR BOT. OF FTG. ELEVATION-SEE FOUNDATION PLAN

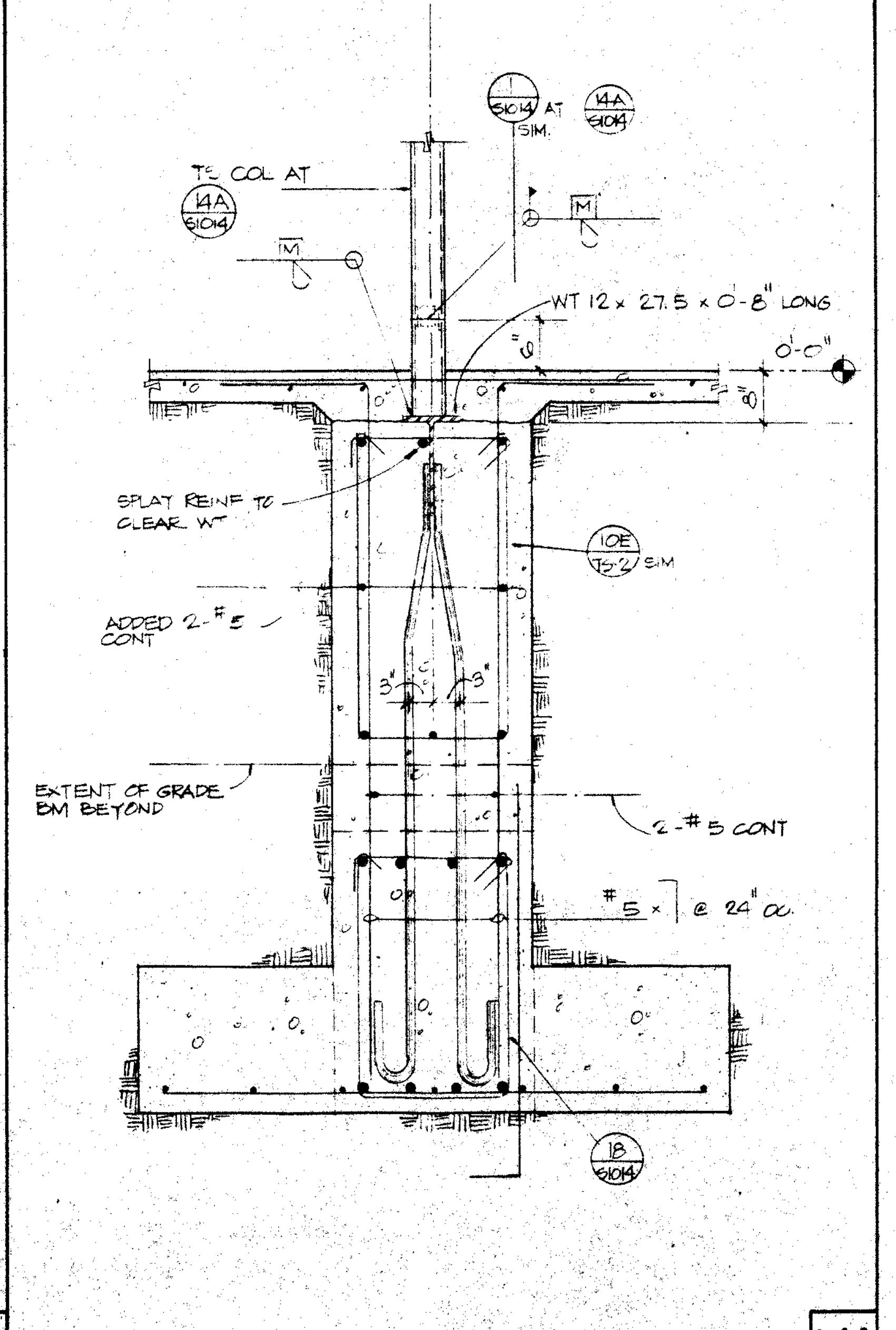
SECTION ¾" 20


℄ STUD WALL ℄ GRADE BM
SLAB ON GRADE AT 18A S1014
E.N.
0'-0"
8"
2-#5 CONT.
4-#5 CONT.-TOP & BOT. PROVIDE 90° HOOKS AT EA. END
3" CLR TYP.
2'-0"
FOR BOT. OF FTG. ELEVATION-SEE FDN. PLAN

FOR OTHER DETAILS-SEE 20 S1014

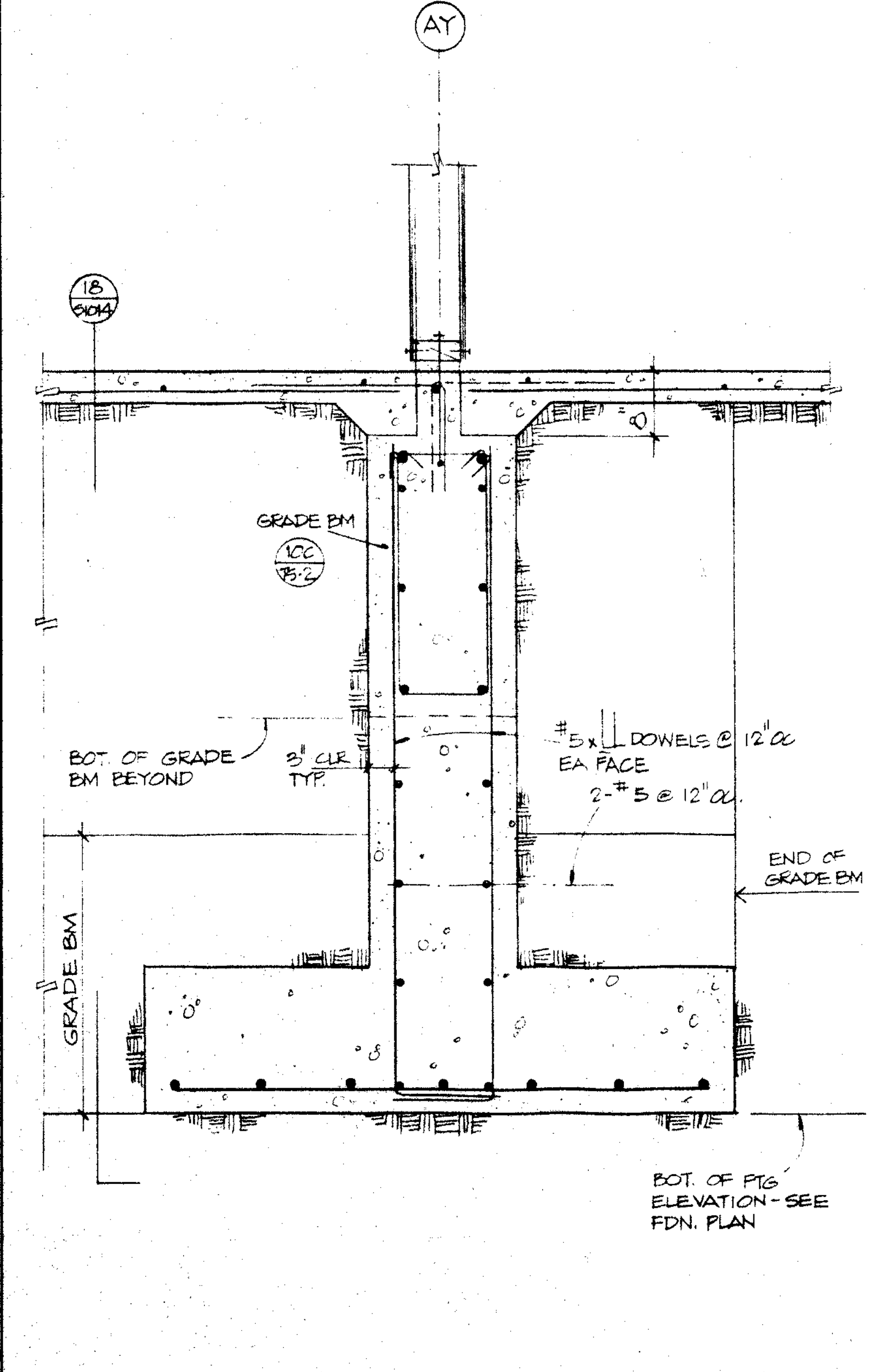
18A

SECTION ¾" 18


TS COL AT 14A S1014
WT 12 x 27.5 x 0'-8" LONG
0'-0"
SPLAT REINF TO CLEAR W
ADDED 2-#5 CONT.
10E S1014 SIM
EXTENT OF GRADE BM BEYOND
2-#5 CONT
#5 x @ 24" OC
18 S1014

14A

DETAIL ¾" 14


AY
18 S1014
GRADE BM
BOT. OF GRADE BM BEYOND
3" CLR TYP.
#5 x DOWELS @ 12" OC EA. FACE
2-#5 @ 12" OC
END OF GRADE BM
GRADE BM
BOT. OF FTG ELEVATION-SEE FDN. PLAN

SECTION ¾" 11

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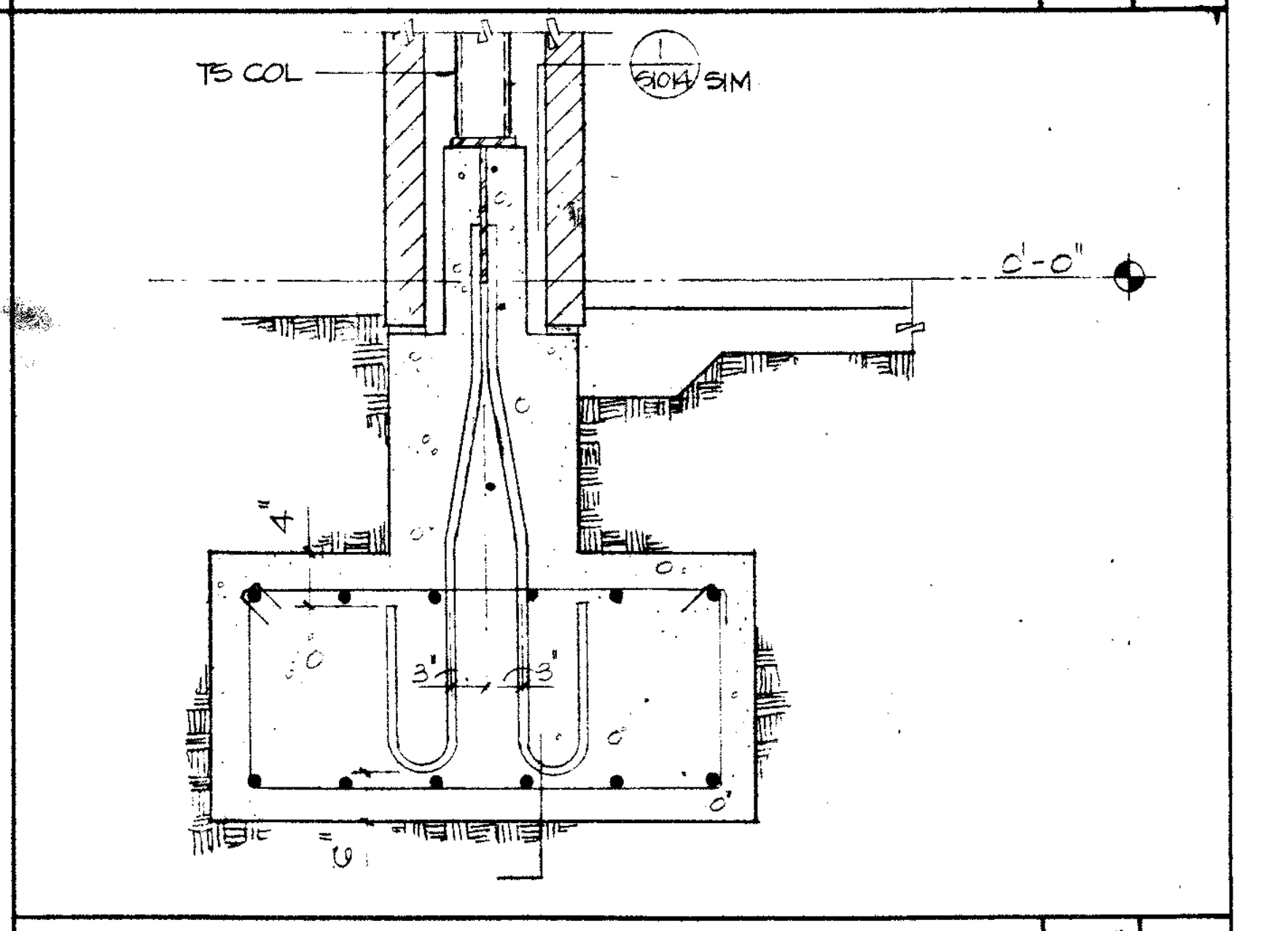
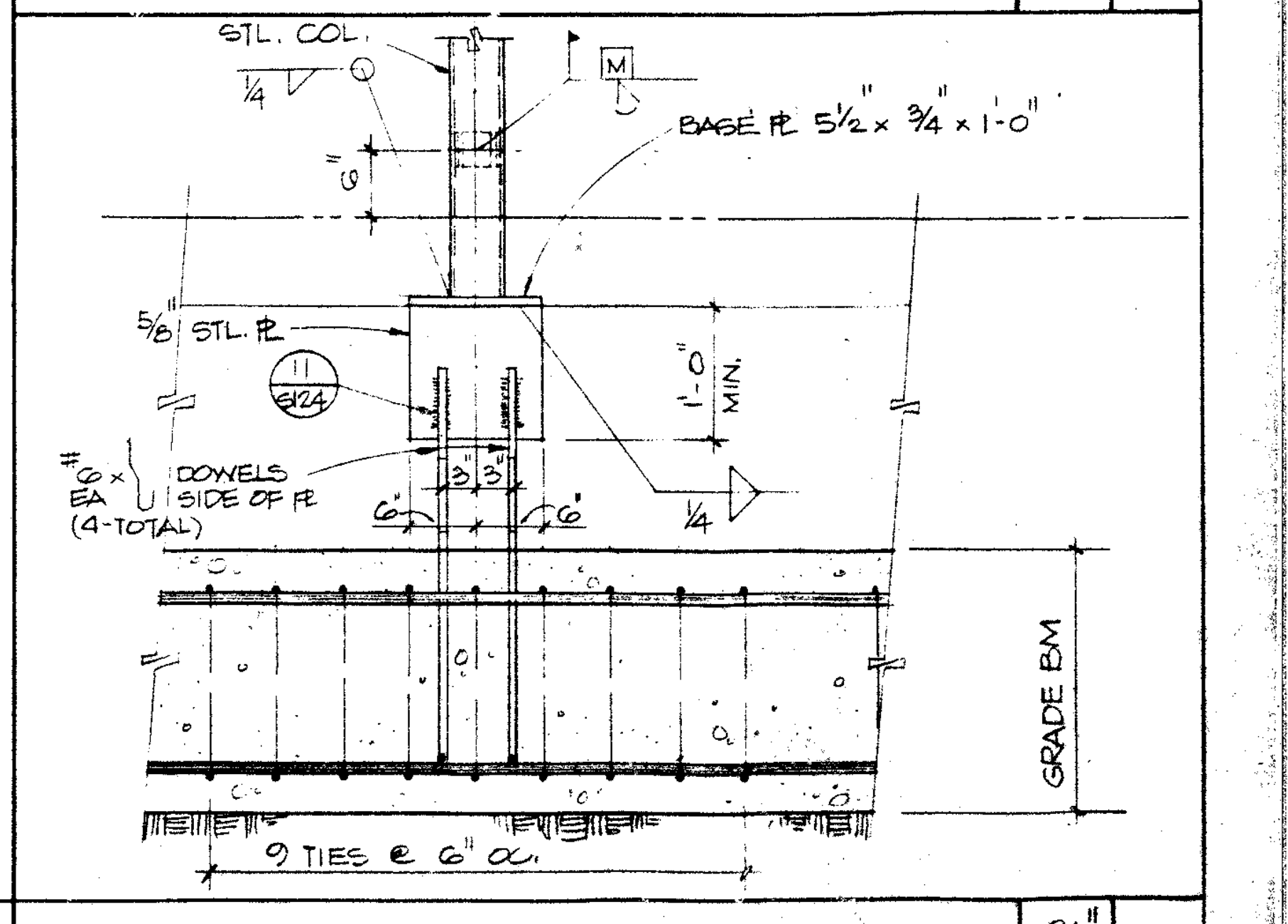
A 49... 1988


TS COL
S1014 SIM
0'-0"

DETAIL ¾" 2


STL. COL.
BASE ℄ 5½ x ¾ x 1'-0"
⅝ STL. ℄
11 S1014
#5 x DOWELS EA SIDE OF ℄ (4-TOTAL)
1'-0" MIN.
GRADE BM
9 TIES @ 6" OC

DETAIL ¾" 1

Drawn By M.N.
Checked By S.R.U.
Date MAR 1988
Commission No. 1.30.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers

REGISTERED PROFESSIONAL ENGINEER
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No. 956
EXP. 12-31-88
STRUCTURAL
STATE OF CALIFORNIA

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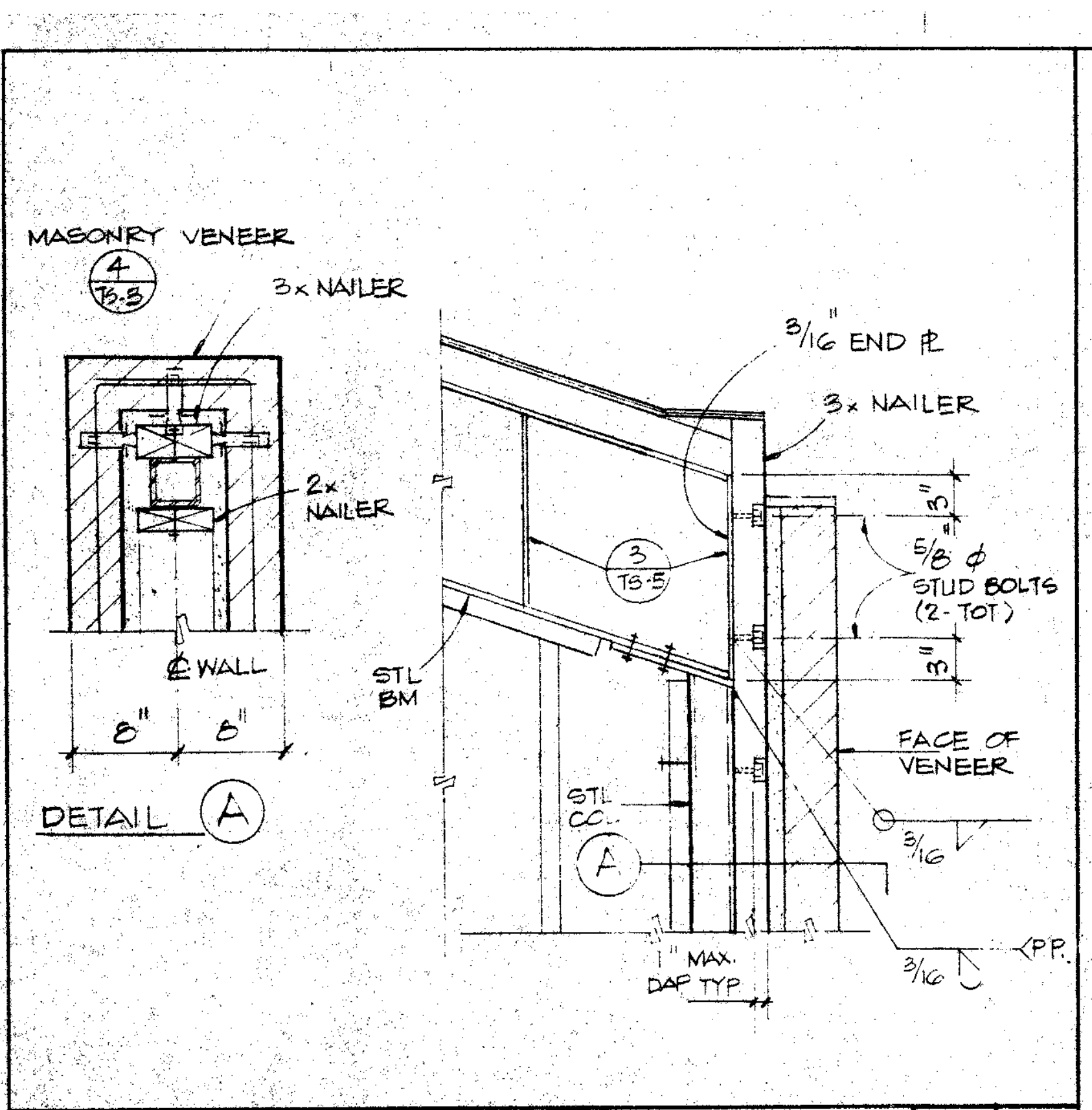
C-6497

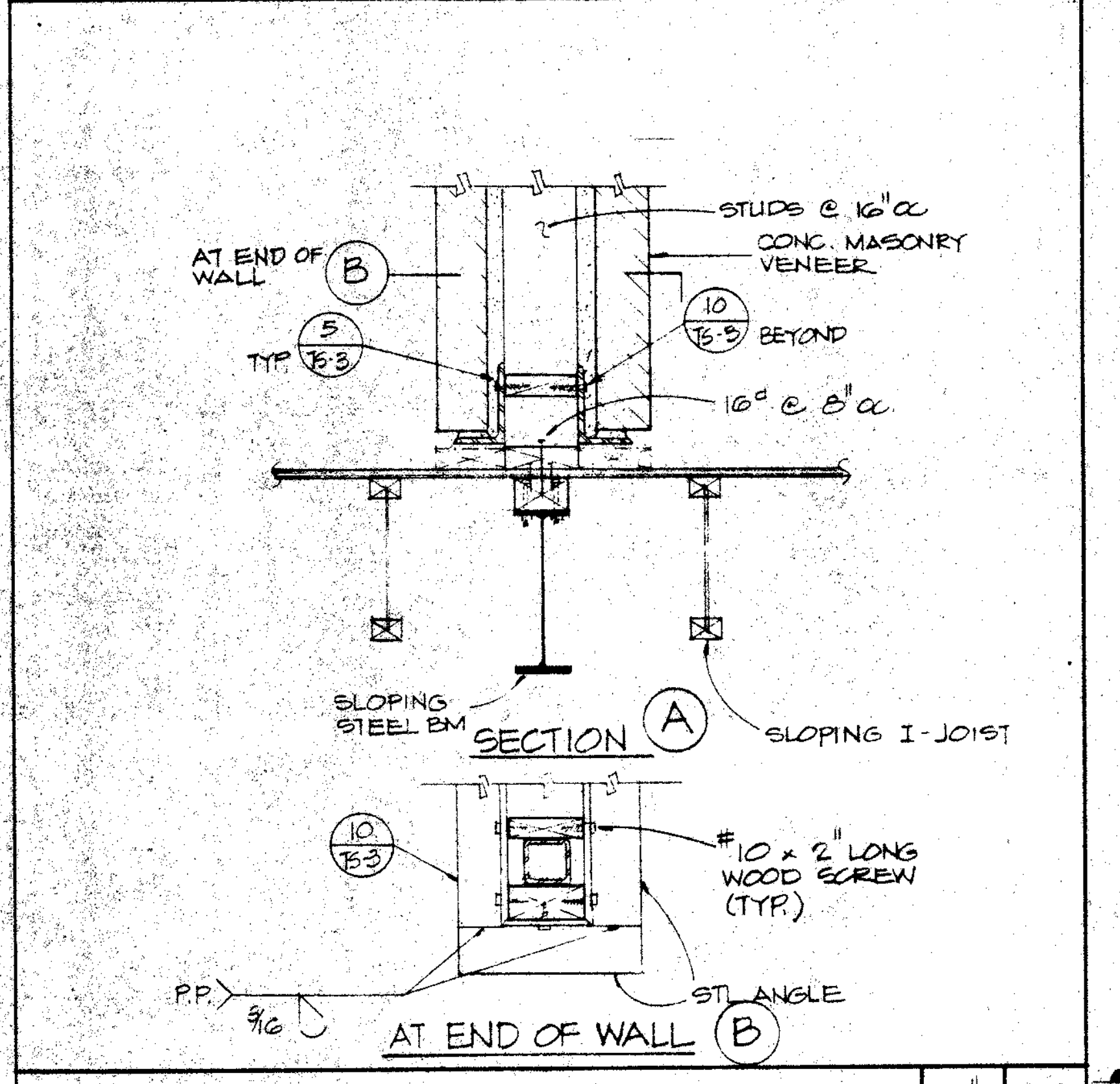
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Library / Guidance Center-
Bldg. No. 10
ELEVATIONS, SECTIONS, AND DETAILS

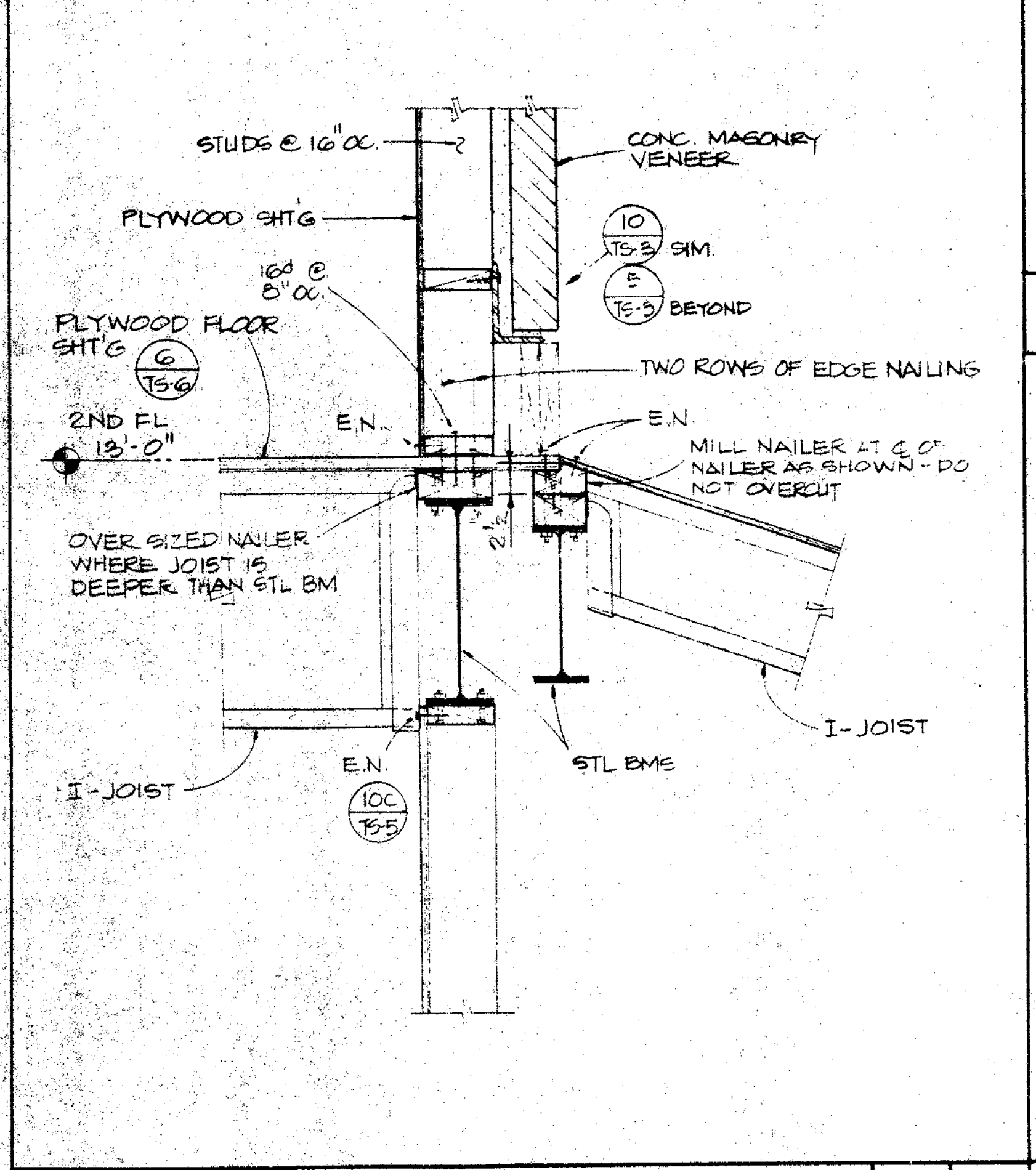
Sheet Number
S1014
Of Sheets


MASONRY VENEER
3x NAILER
2x NAILER
℄ WALL
8" 8"
DETAIL Ⓐ
3/16" END ℞
3x NAILER
5/8" ø STUD BOLTS (2 TOT)
STL BM
STL CC
FACE OF VENEER
MAX DAP TYP
P.P.

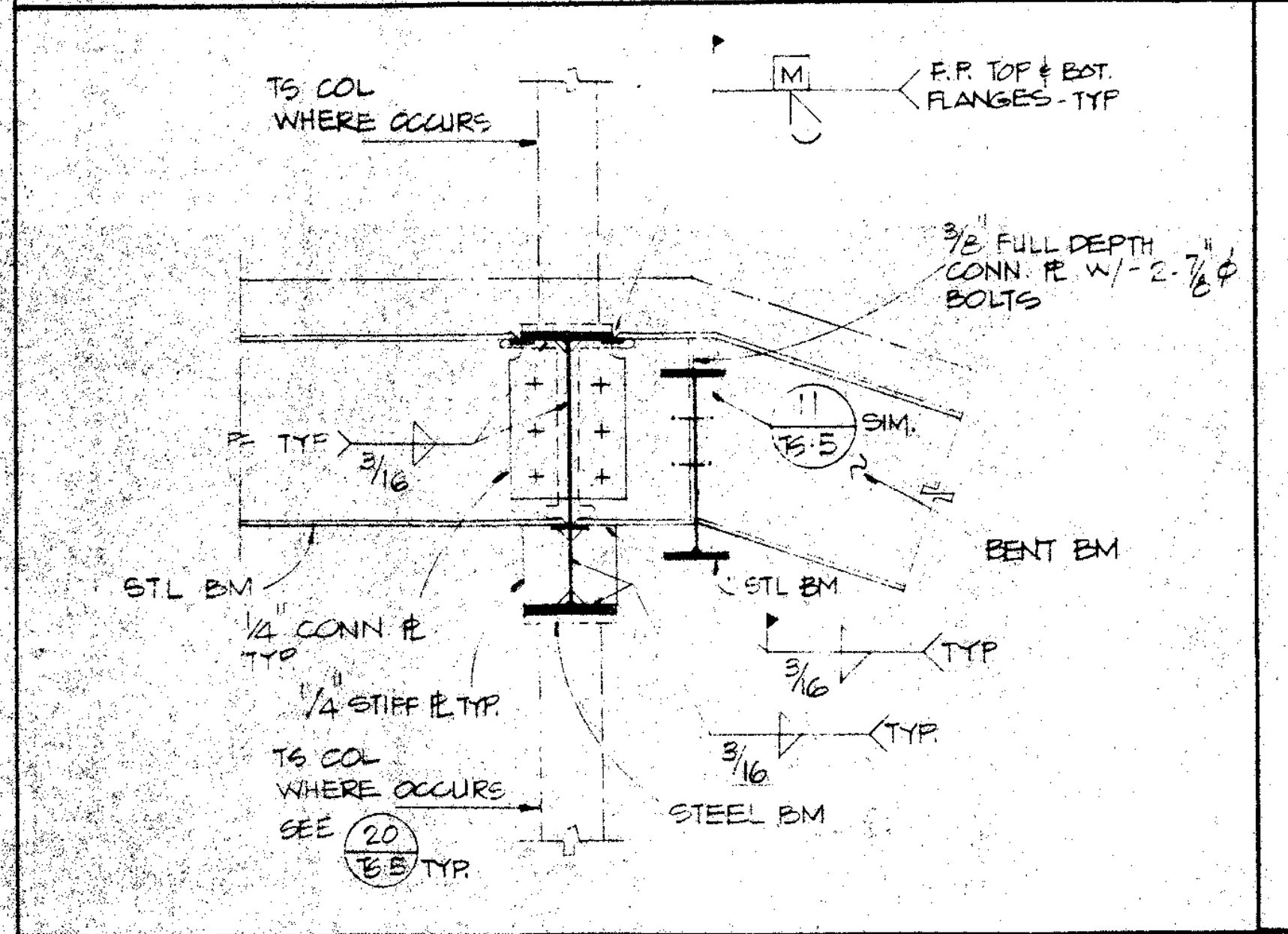
DETAIL 1" 17


AT END OF WALL Ⓑ
TYP.
STUDS @ 16" oc
CONC. MASONRY VENEER
BEYOND
16d @ 8" oc
SLOPING STEEL BM
SECTION Ⓐ
SLOPING I-JOIST
#10 x 2" LONG WOOD SCREW (TYP)
STL ANGLE
P.P.
AT END OF WALL Ⓑ

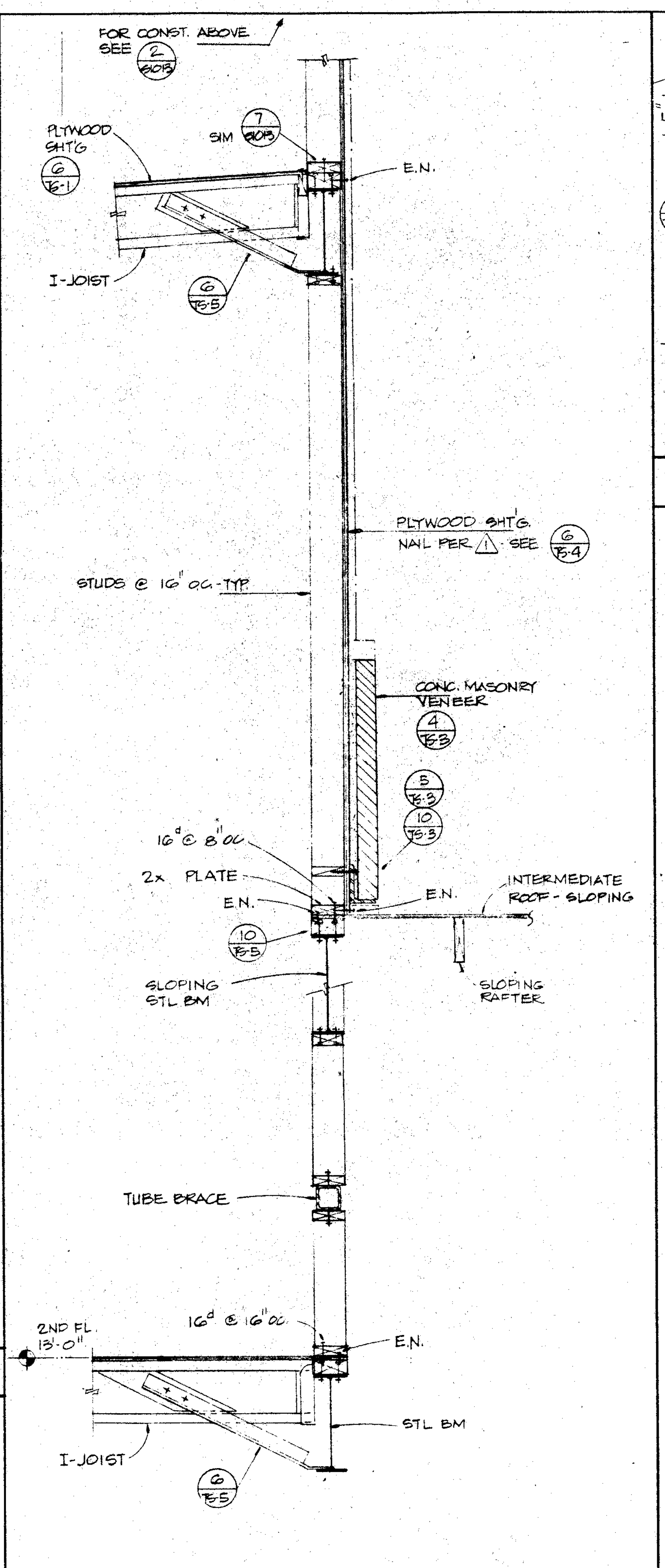
SECTION 1" 16


STUDS @ 16" oc
CONC. MASONRY VENEER
PLYWOOD SHT'G
SIM.
BEYOND
16d @ 8" oc
PLYWOOD FLOOR SHT'G
TWO ROWS OF EDGE NAILING
2ND FL 13'-0"
E.N.
MILL NAILER AT 6' O" NAILER AS SHOWN - DO NOT OVERCUT
OVER SIZED NAILER WHERE JOIST IS DEEPER THAN STL BM
I-JOIST
STL BMS
I-JOIST

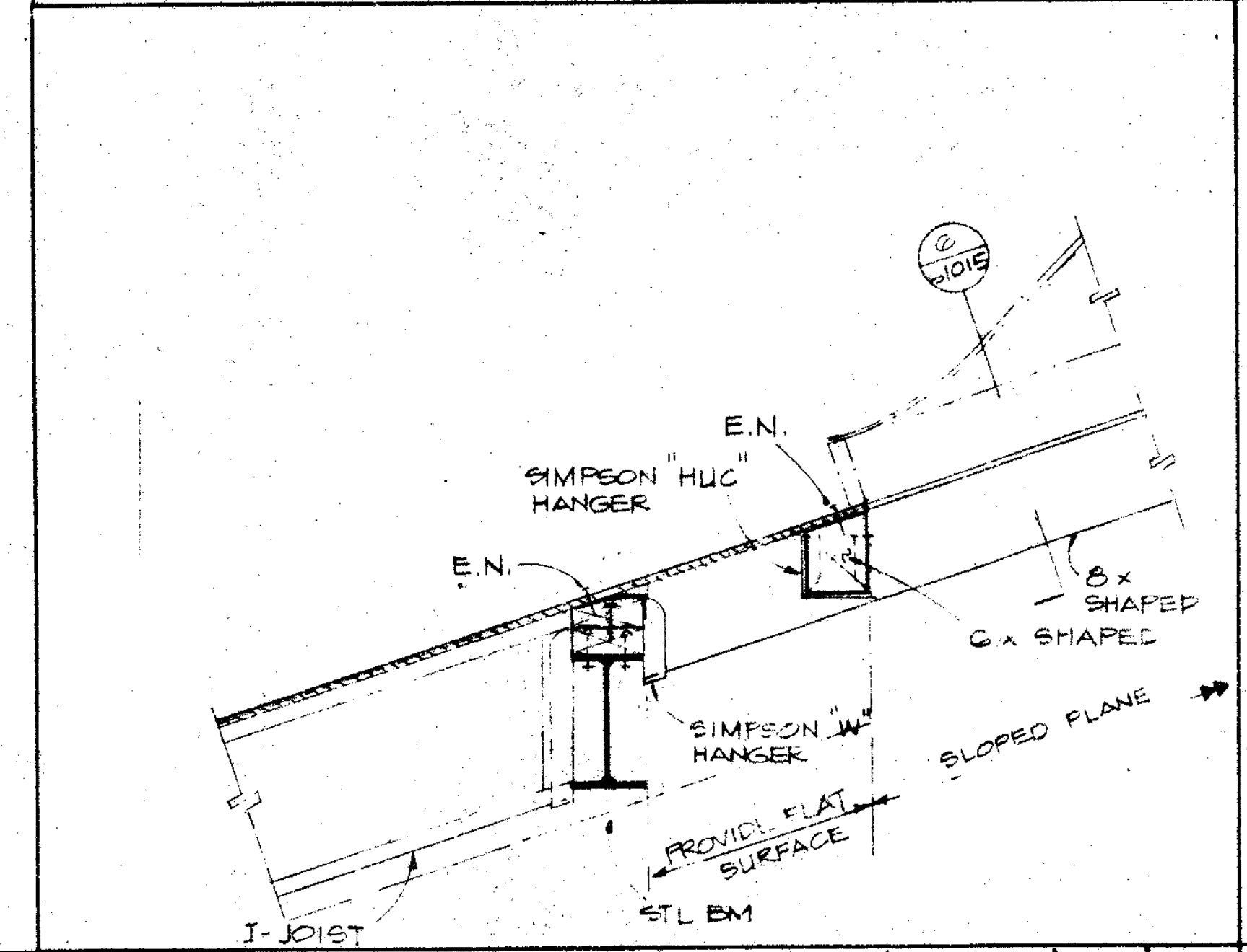
SECTION 1" 15


TS COL WHERE OCCURS
F.P. TOP & BOT. FLANGES - TYP
3/4" FULL DEPTH CONN. ℞ W/- 2-7/8" ø BOLTS
TYP
SIM.
BENT BM
STL BM
1/4" CONN ℞ TYP
1/4" STIFF ℞ TYP
STL BM
TS COL WHERE OCCURS SEE (20) TYP.
STEEL BM

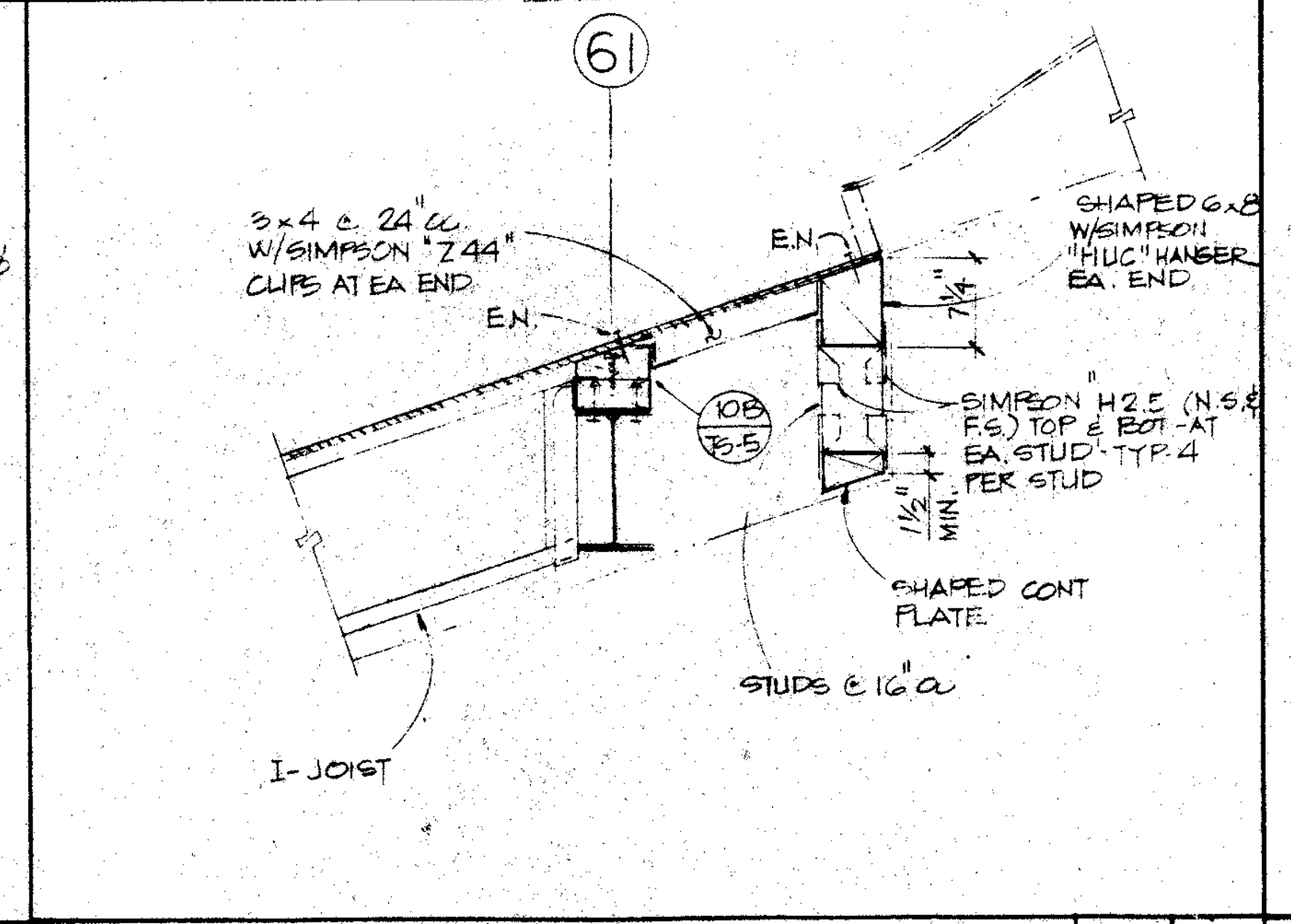
DETAIL 1" 14


FOR CONST. ABOVE SEE
PLYWOOD SHT'G
SIM
E.N.
I-JOIST
PLYWOOD SHT'G NAIL PER ⚠ SEE
STUDS @ 16" oc TYP
CONC. MASONRY VENEER
16d @ 8" oc
2x PLATE
E.N.
INTERMEDIATE ROOF - SLOPING
SLOPING STL BM
SLOPING RAFTER
TUBE BRACE
2ND FL 13'-0"
16d @ 16" oc
E.N.
STL BM
I-JOIST

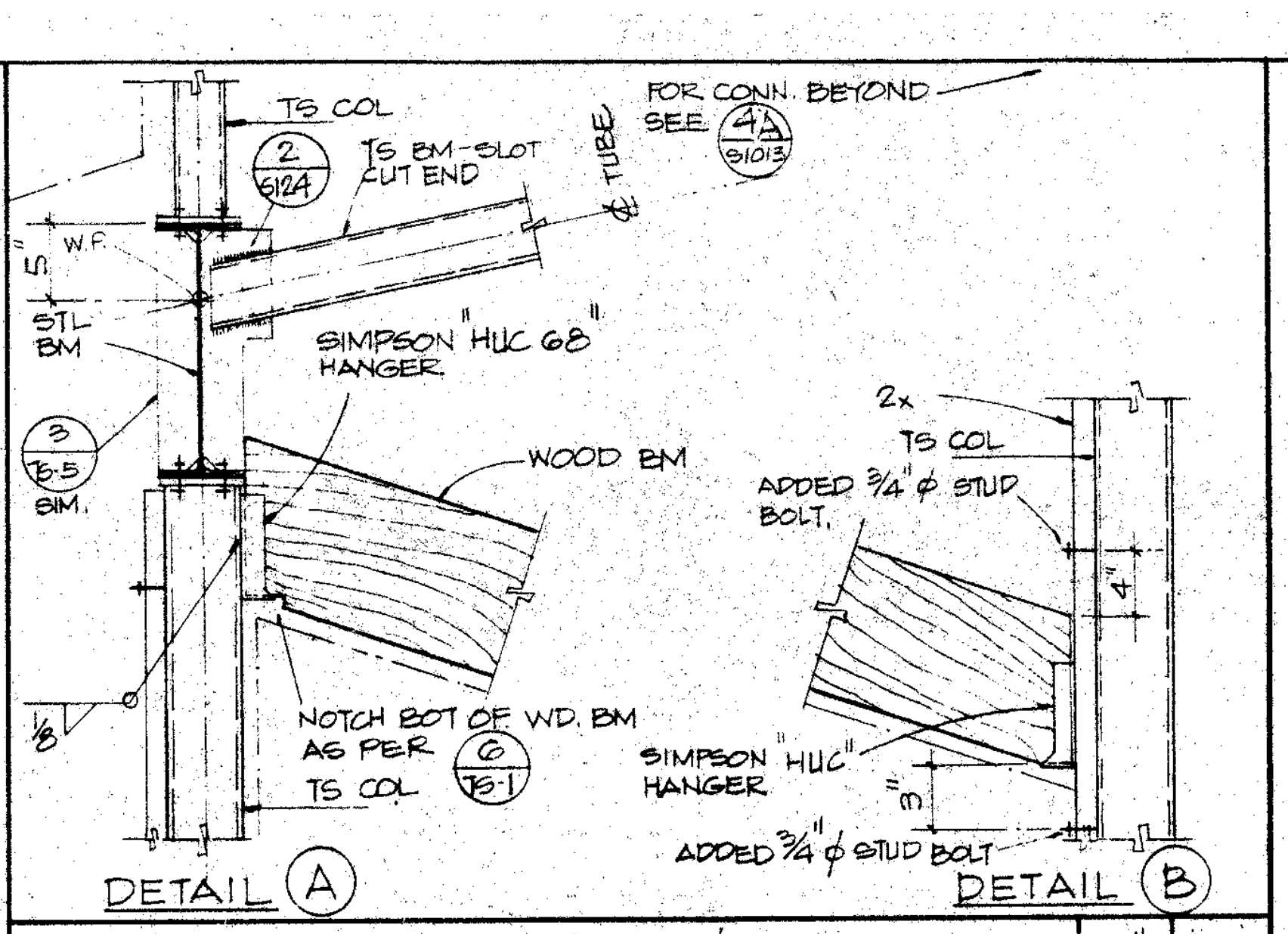
SECTION 3/4" 13


SIMPSON "HUC" HANGER
E.N.
6x SHAPED
6x SHAPED
SIMPSON "W" HANGER
SLOPED PLANE
PROVIDE FLAT SURFACE
STL BM
I-JOIST

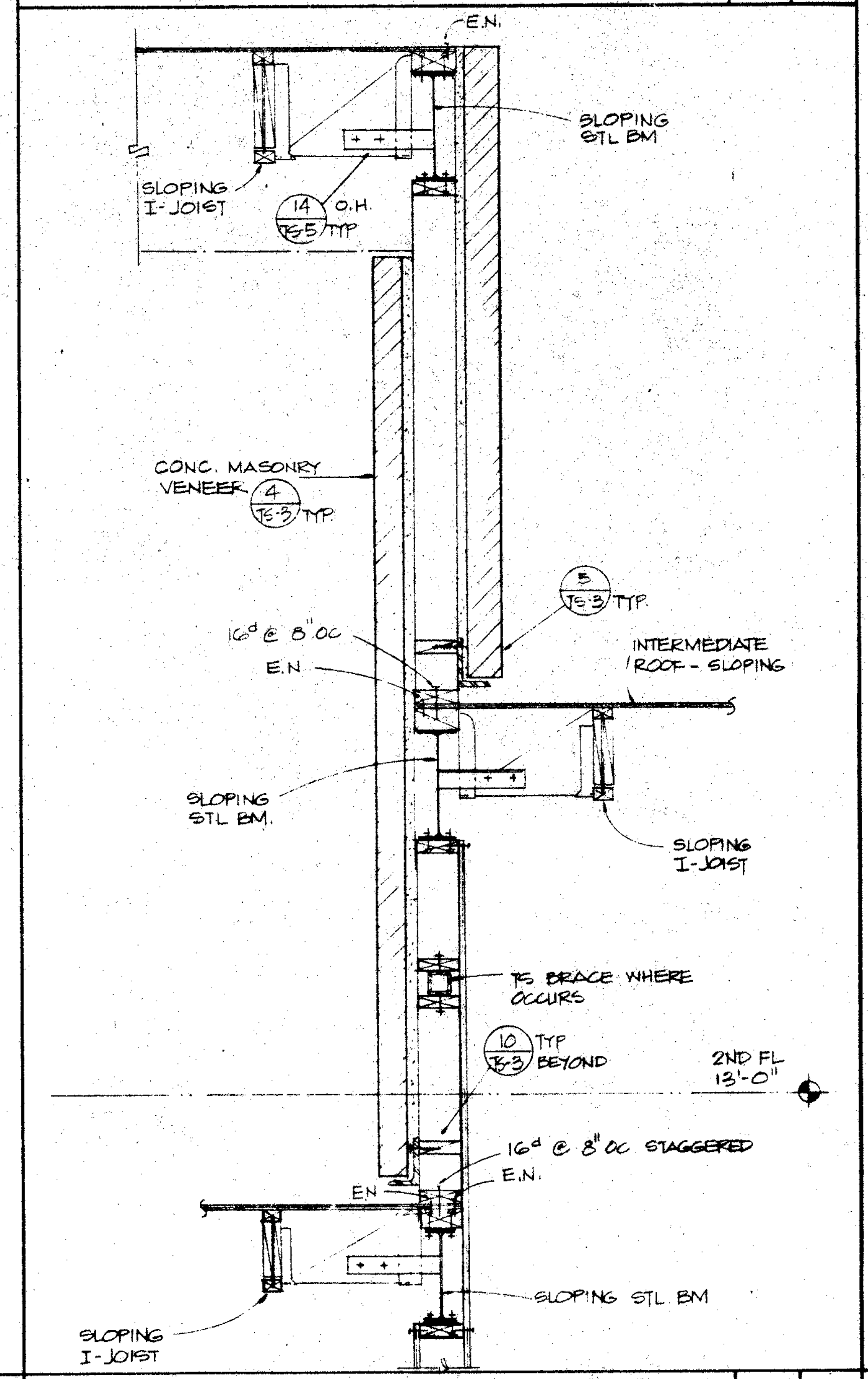
DETAIL 3/4" 12


(61)
3x4 @ 24" oc W/SIMPSON "Z44" CLIPS AT EA END
E.N.
E.N.
SHAPED 6x8 W/SIMPSON "HUC" HANGER EA. END
SIMPSON H2.5 (N.S.& F.S.) TOP & BOT AT EA STUD - TYP. 4 PER STUD
SHAPED CONT PLATE
STUDS @ 16" oc
I-JOIST

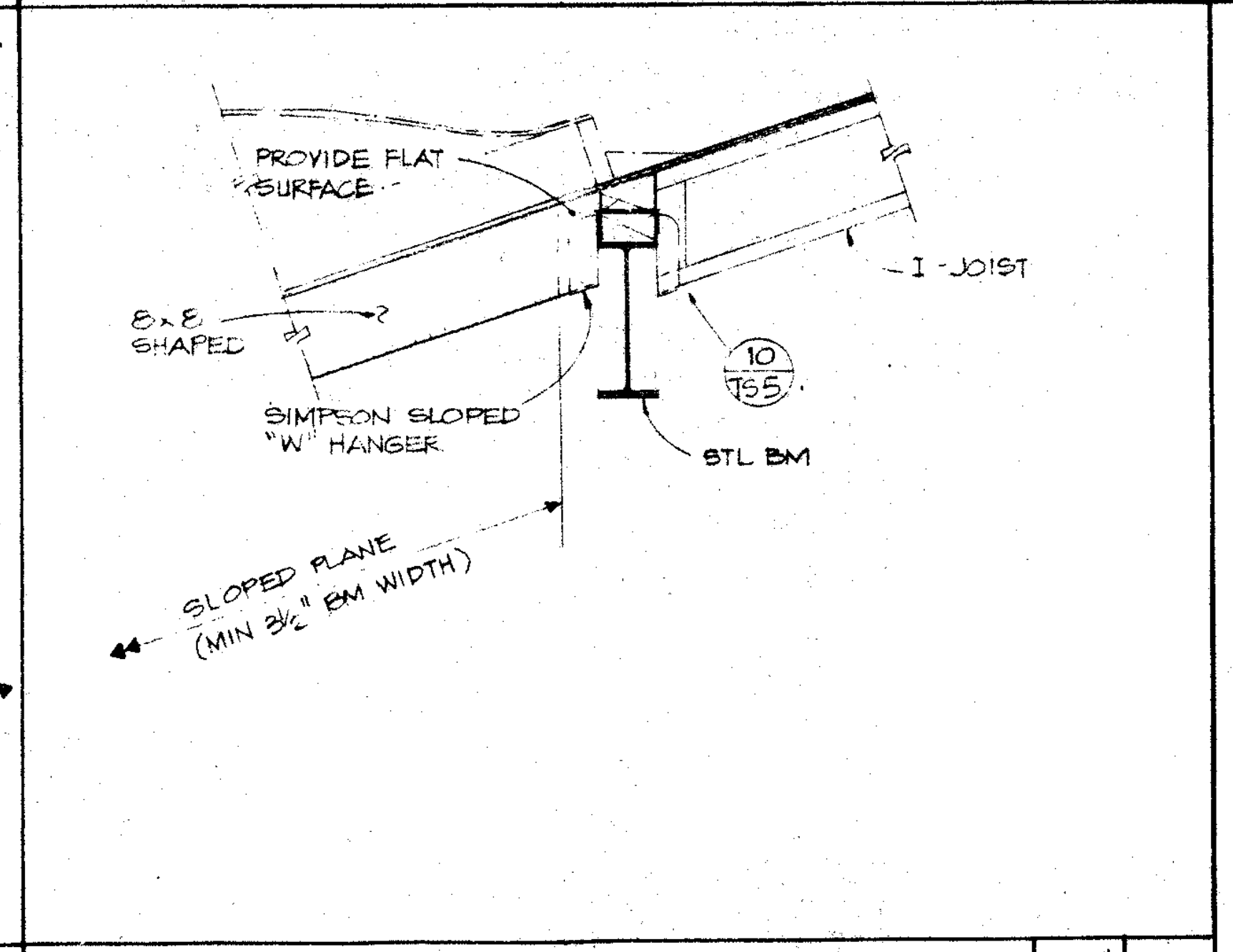
SECTION 3/4" 11


TS COL
TS BM - SLOT CUT END
FOR CONN. BEYOND SEE
W.F.
STL BM
SIMPSON "HUC 68" HANGER
WOOD BM
2x
TS COL
ADDED 3/4" ø STUD BOLT
NOTCH BOT OF WD. BM AS PER
TS COL
SIMPSON "HUC" HANGER
ADDED 3/4" ø STUD BOLT
DETAIL Ⓐ
DETAIL Ⓑ

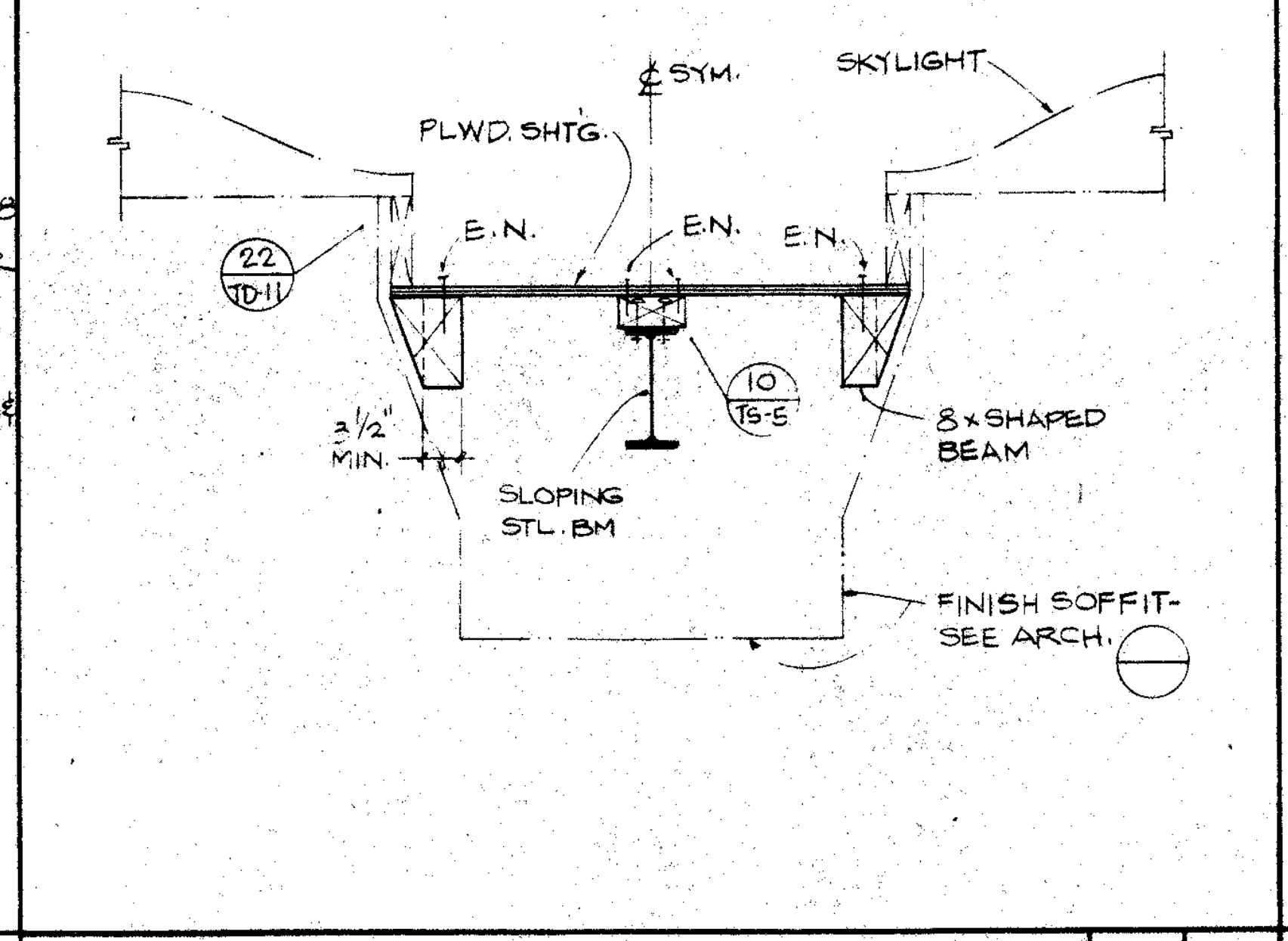
DETAILS 1" 9


E.N.
SLOPING STL BM
SLOPING I-JOIST
O.H. TYP
CONC. MASONRY VENEER TYP
16d @ 8" oc
E.N.
TYP
INTERMEDIATE ROOF - SLOPING
SLOPING STL BM
SLOPING I-JOIST
TS BRACE WHERE OCCURS
TYP BEYOND
2ND FL 13'-0"
16d @ 8" oc STAGGERED
E.N.
E.N.
SLOPING STL BM
SLOPING I-JOIST

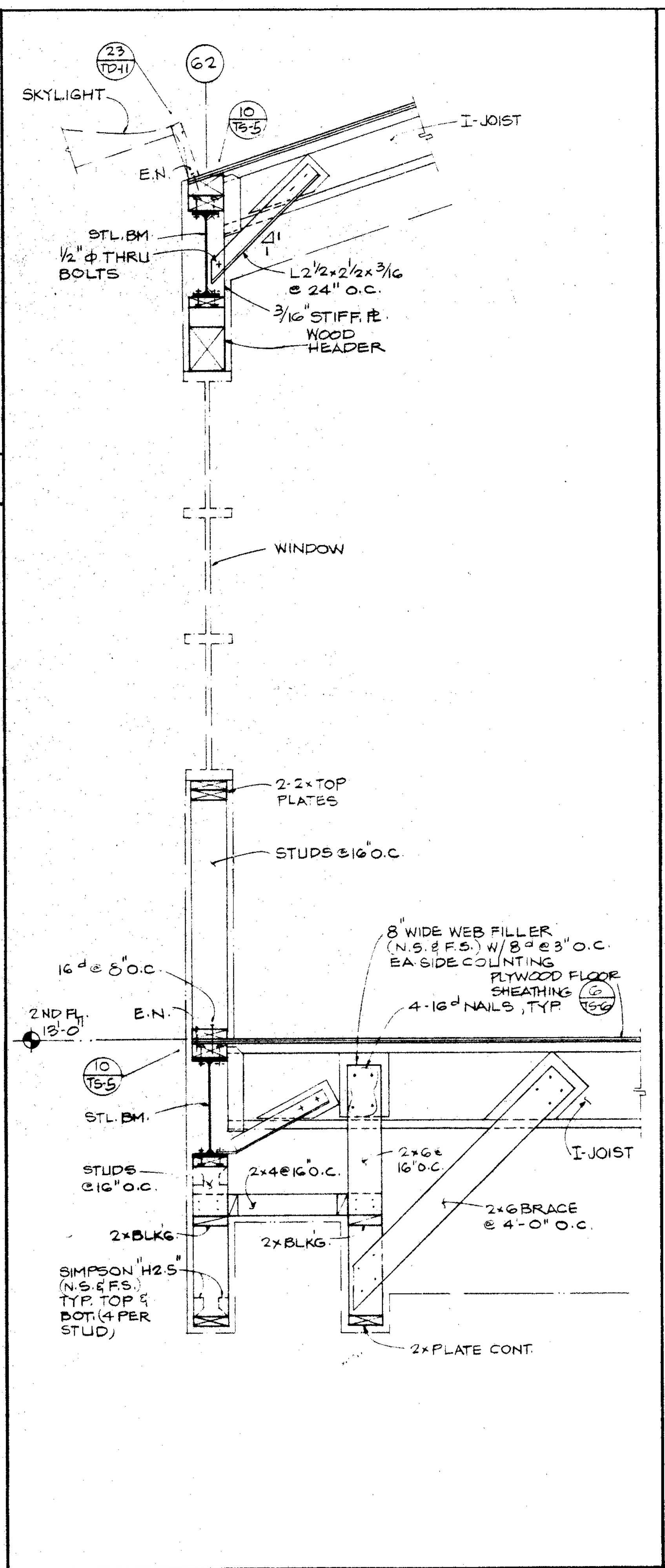
SECTION 1/4" 8


PROVIDE FLAT SURFACE
TYP
I-JOIST
8x8 SHAPED
SIMPSON SLOPED "W" HANGER
STL BM
SLOPED PLANE (MIN 3 1/4" BM WIDTH)

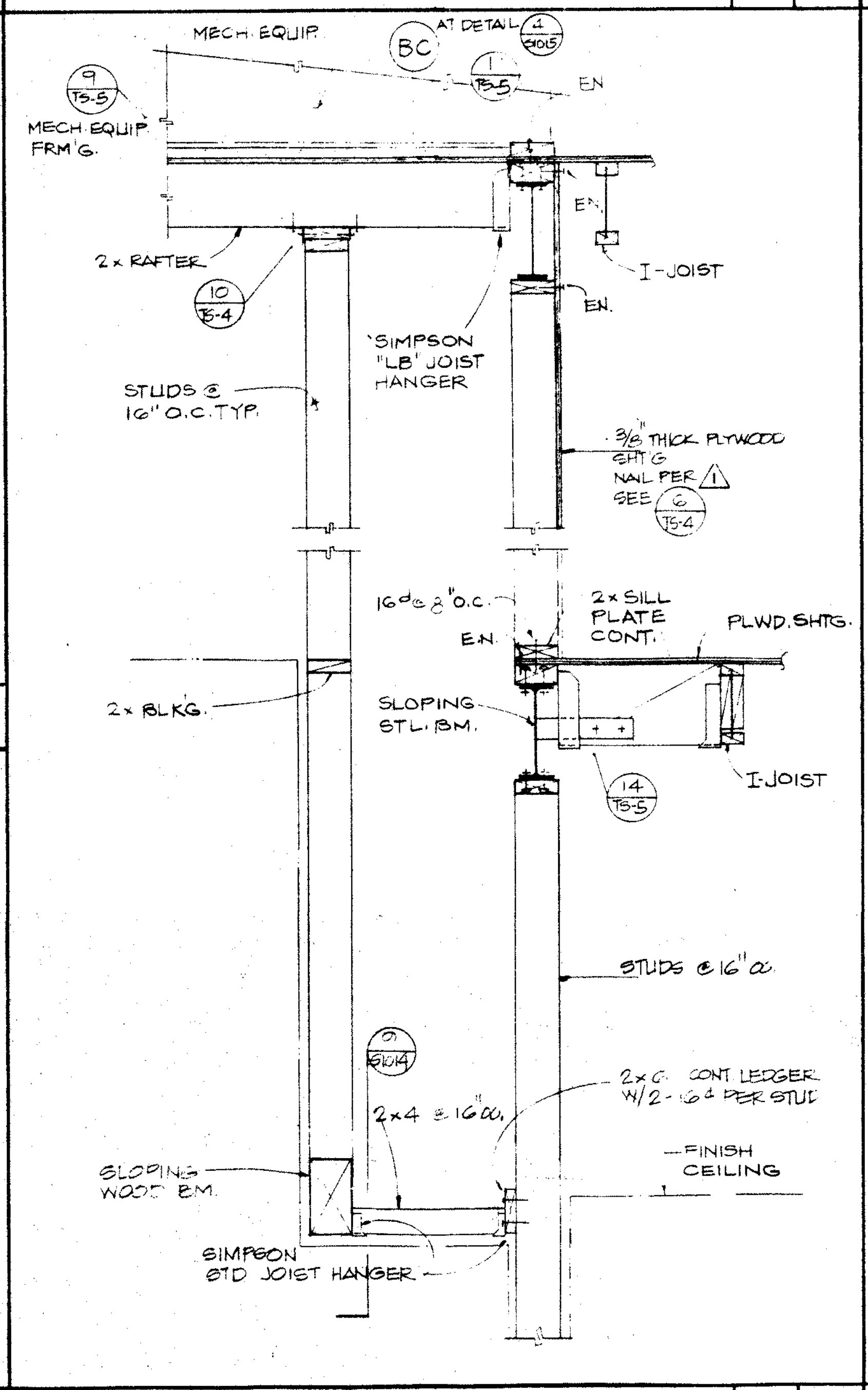
DETAIL 3/4" 7


℄ SYM.
SKYLIGHT
PLWD. SHT'G
E.N.
E.N.
E.N.
3 1/2" MIN
SLOPING STL BM
8x SHAPED BEAM
FINISH SOFFIT - SEE ARCH.

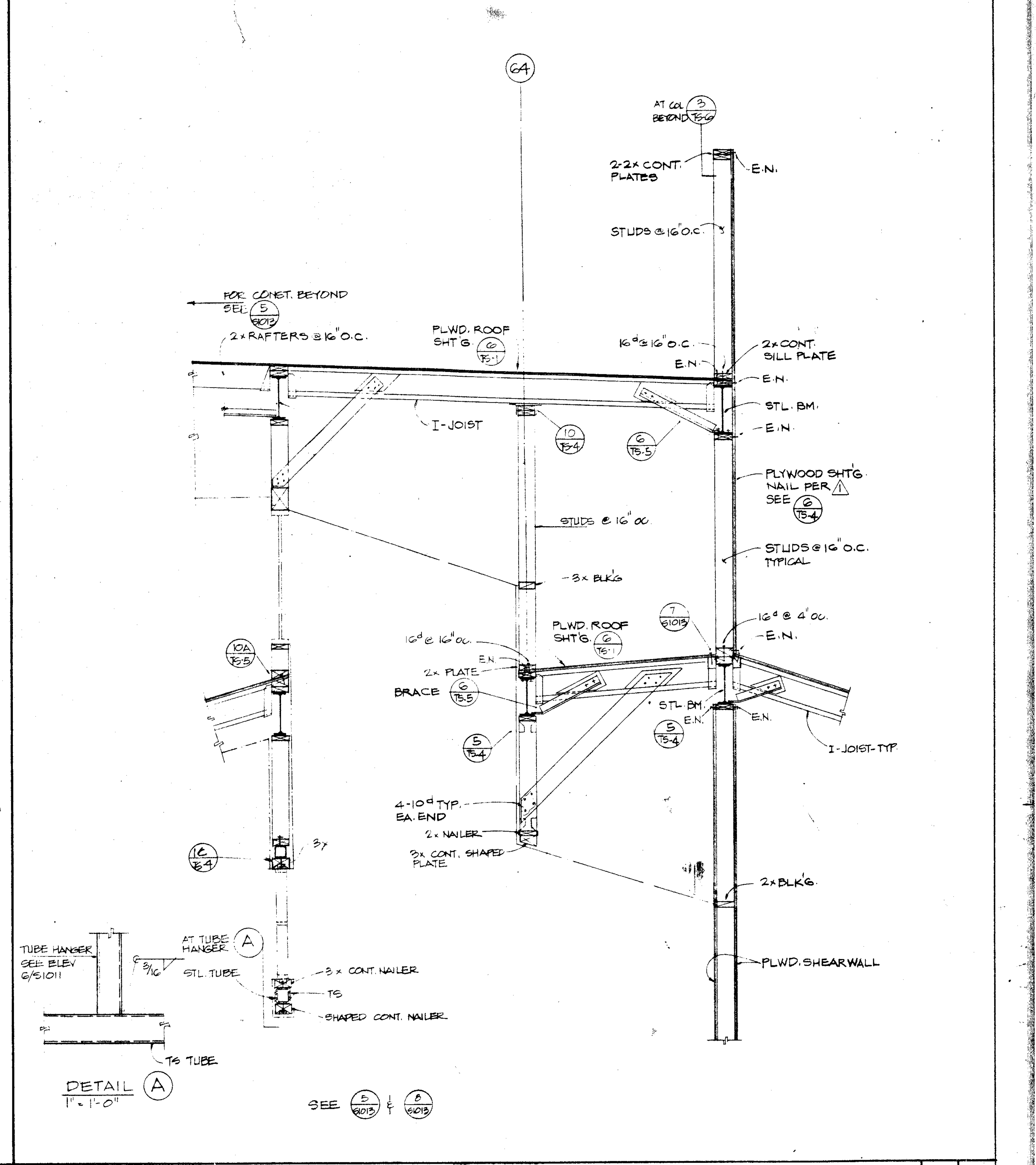
SECTION 3/4" 6


(62)
SKYLIGHT
I-JOIST
E.N.
STL BM
1/2" ø THRU BOLTS
L2 1/2x2 1/2x3/16 @ 24" O.C.
3/16" STIFF ℞
WOOD HEADER
WINDOW
2-2x TOP PLATES
STUDS @ 16" O.C.
8" WIDE WEB FILLER (N.S. & F.S.) W/ 8d @ 3" O.C. EA SIDE CLINCHING
PLYWOOD FLOOR SHEATHING
4-16d NAILS, TYP
16d @ 8" O.C.
2ND FL 13'-0"
E.N.
STL BM
STUDS @ 16" O.C.
2x4 @ 16" O.C.
2x6 @ 16" O.C.
I-JOIST
2x BLKG
2x BLKG
2x6 BRACE @ 4'-0" O.C.
SIMPSON H2.5 (N.S. & F.S.) TYP. TOP & BOT. (4 PER STUD)
2x PLATE CONT.

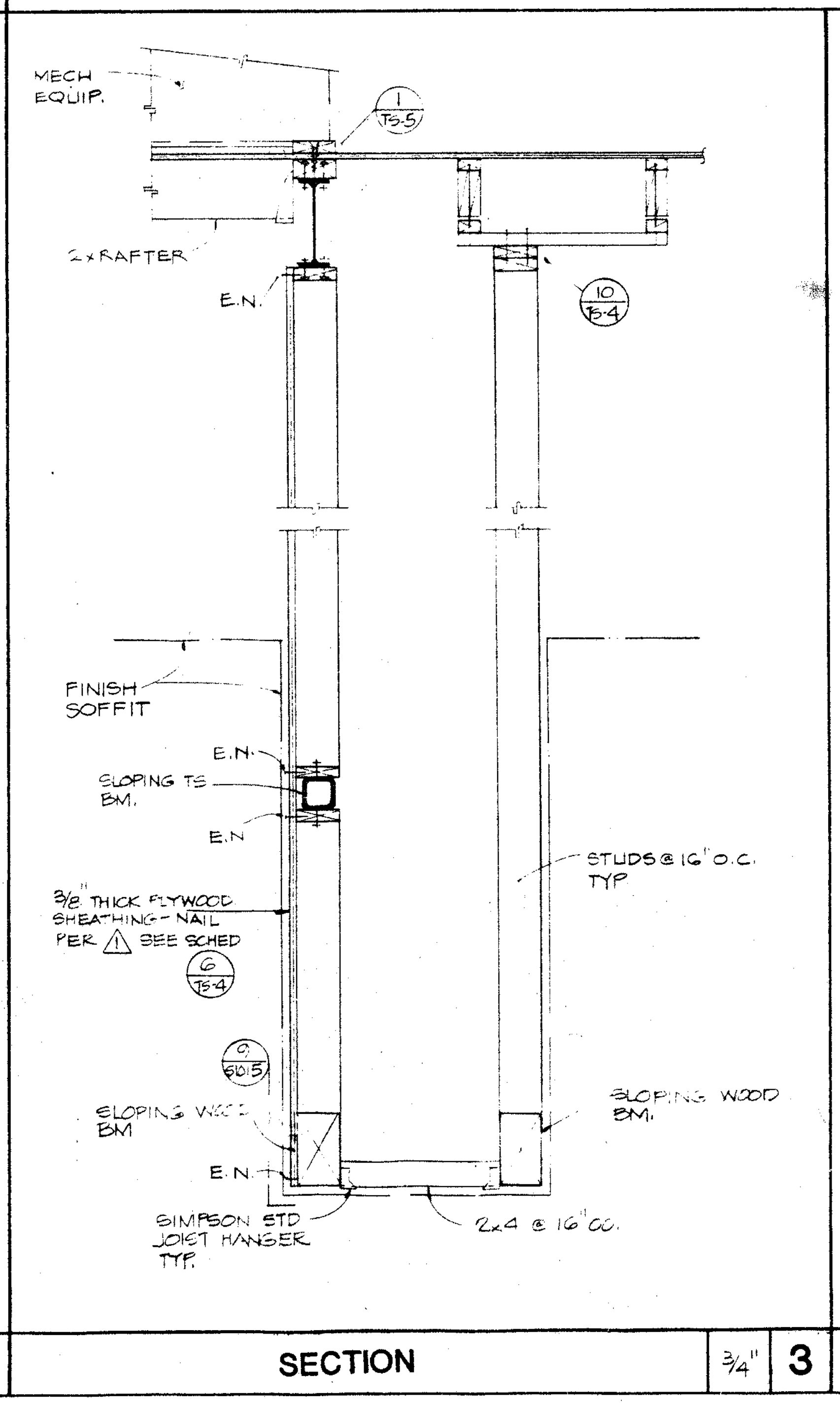
SECTION 3/4" 5


MECH EQUIP
AT DETAIL
MECH EQUIP FRM'G
E.N.
2x RAFTER
I-JOIST
SIMPSON "LB" JOIST HANGER
STUDS @ 16" O.C. TYP.
3/8" THICK PLYWOOD SHT'G NAIL PER ⚠ SEE
16d @ 8" O.C.
E.N.
2x SILL PLATE CONT.
PLWD. SHTG
2x BLKG
SLOPING STL BM
I-JOIST
STUDS @ 16" oc
2x4 @ 16" oc
2x6 CONT LEDGER W/2-16d PER STUD
FINISH CEILING
SLOPING WOOD BM
SIMPSON STD JOIST HANGER

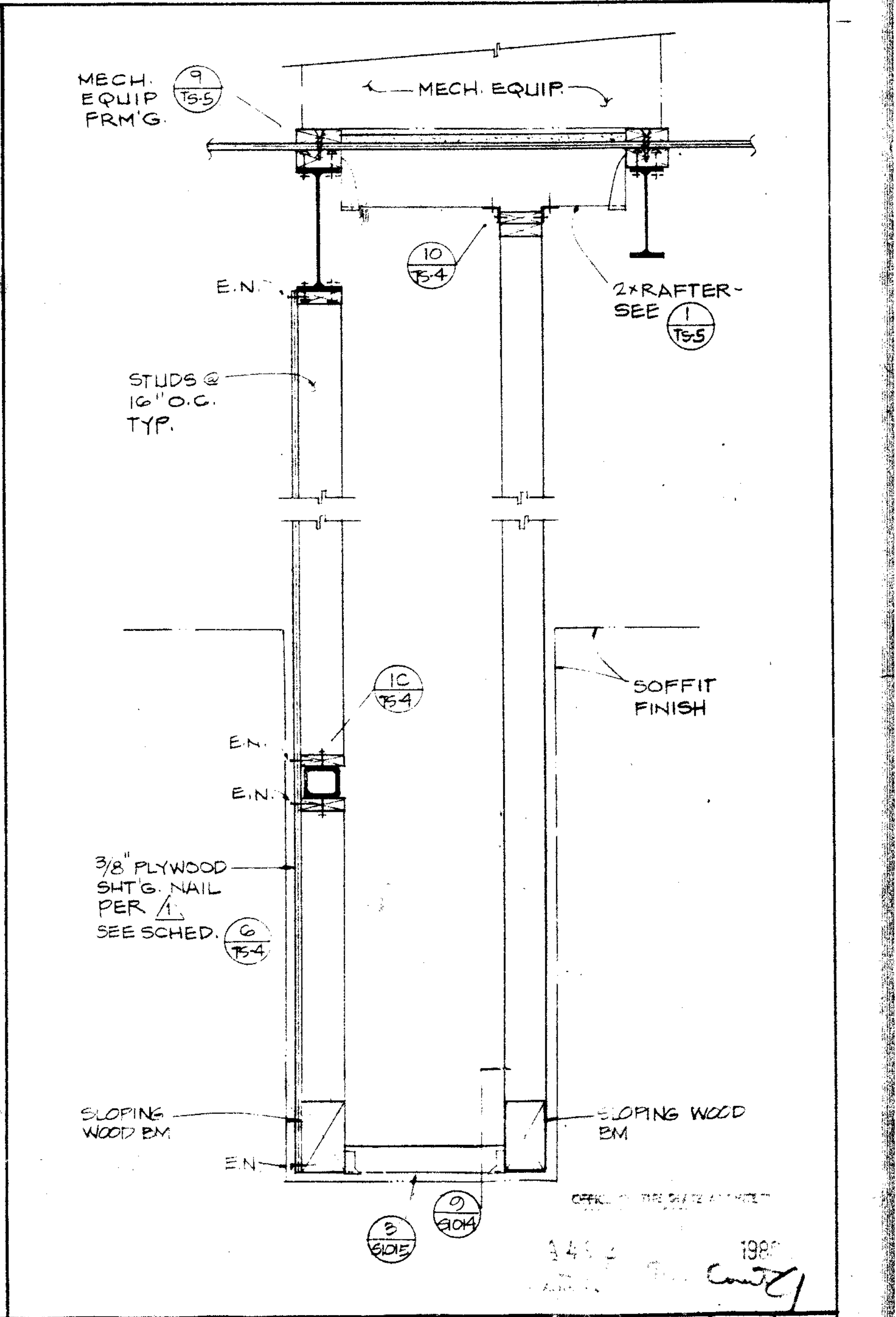
SECTION 3/4" 4


(64)
AT COL BEYOND
2-2x CONT. PLATES
E.N.
STUDS @ 16" O.C.
FOR CONST. BEYOND SEE
2x RAFTERS @ 16" O.C.
PLWD. ROOF SHT'G
16d @ 16" O.C.
2x CONT. SILL PLATE
E.N.
E.N.
I-JOIST
STL BM
E.N.
PLYWOOD SHT'G NAIL PER ⚠ SEE
STUDS @ 16" oc
3x BLK'G
STUDS @ 16" O.C. TYPICAL
16d @ 16" oc
PLWD. ROOF SHT'G
16d @ 4" oc
E.N.
2x PLATE
E.N.
BRACE
STL BM
E.N.
E.N.
I-JOIST - TYP
4-10d TYP. EA END
2x NAILER
3x CONT. SHAPED PLATE
2x BLK'G
TUBE HANGER SEE ELEV
AT TUBE HANGER Ⓐ
STL TUBE
3x CONT. NAILER
TS
SHAPED CONT. NAILER
TS TUBE
DETAIL Ⓐ 1" = 1'-0"
PLWD. SHEARWALL
SEE

SECTION 1/2" 2


MECH EQUIP.
2x RAFTER
E.N.
FINISH SOFFIT
E.N.
SLOPING TS BM.
E.N.
3/8" THICK PLYWOOD SHEATHING - NAIL PER ⚠ SEE SCHED
STUDS @ 16" O.C. TYP
SLOPING WOOD BM
SLOPING WOOD BM.
E.N.
SIMPSON STD JOIST HANGER TYP.
2x4 @ 16" oc

SECTION 3/4" 3


MECH. EQUIP FRM'G
MECH. EQUIP.
E.N.
2x RAFTER - SEE
STUDS @ 16" O.C. TYP.
SOFFIT FINISH
E.N.
E.N.
3/8" PLYWOOD SHT'G NAIL PER ⚠ SEE SCHED.
SLOPING WOOD BM.
SLOPING WOOD BM.
E.N.

SECTION 3/4" 1

Drawn By MCL
Checked By SRU
Date MAR 1986
Commission No 1.30.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers

No. 956
Exp 12-31-88

Architects Planners
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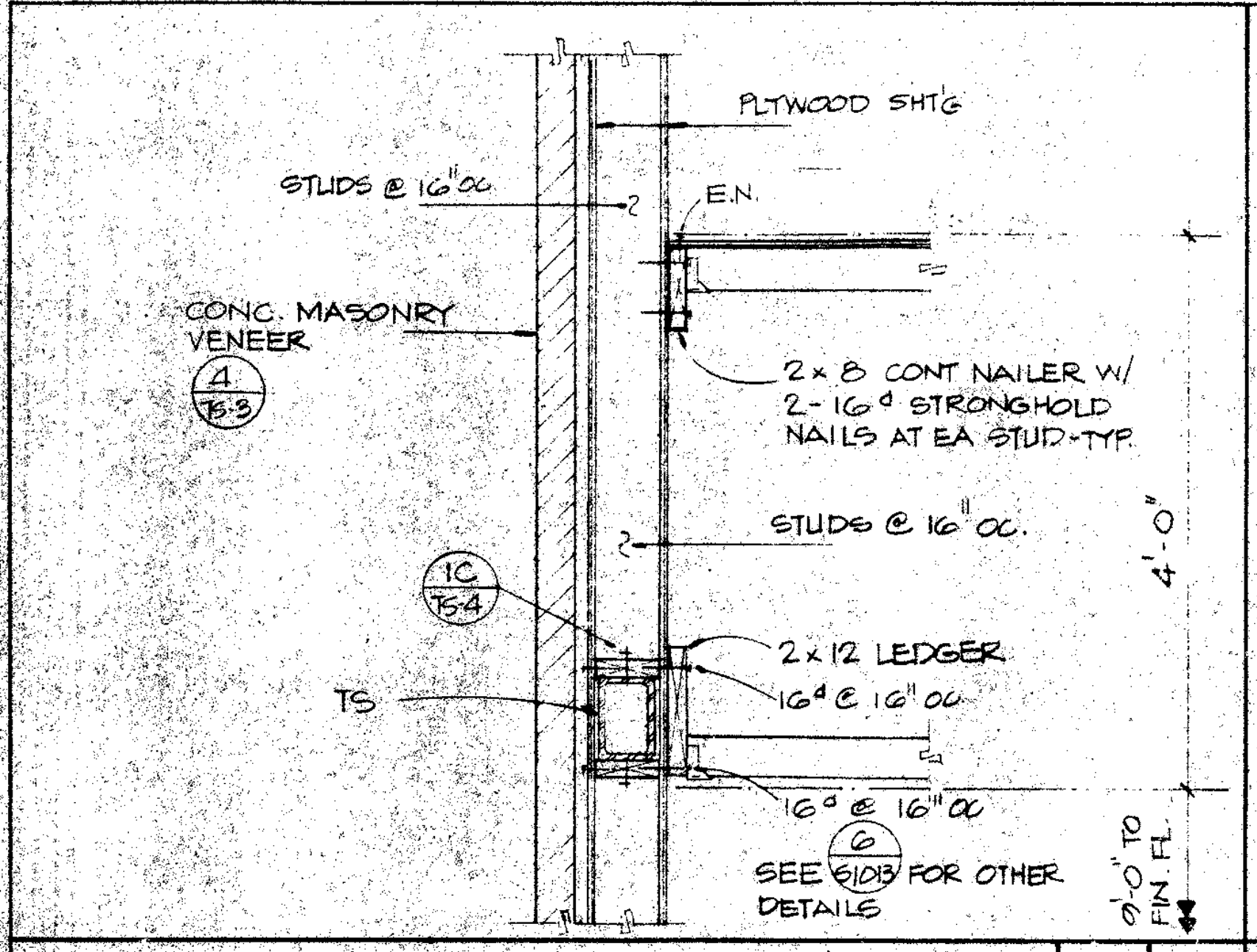
C-6497

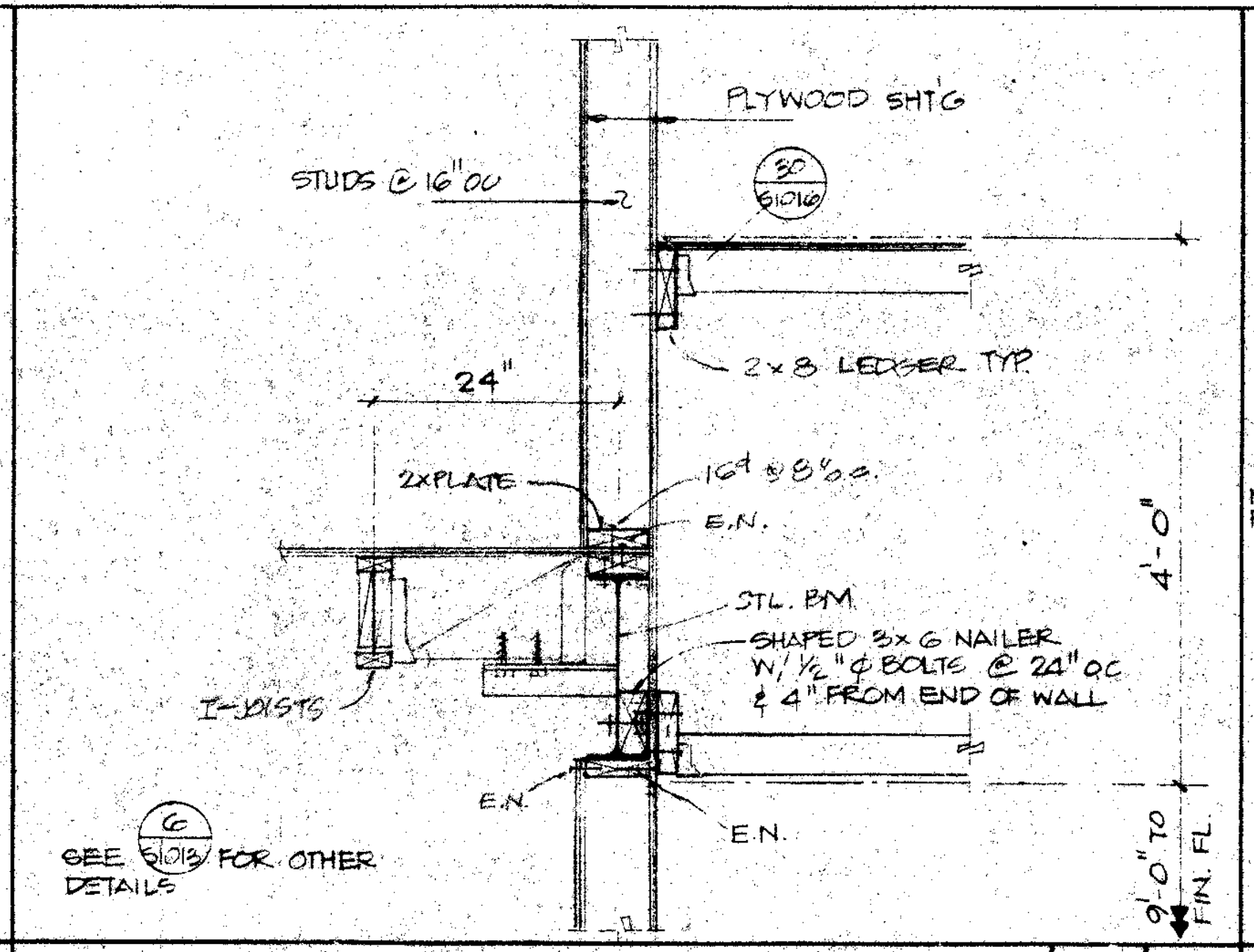
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Library / Guidance Center
Bldg. No. 10
Sections & Details

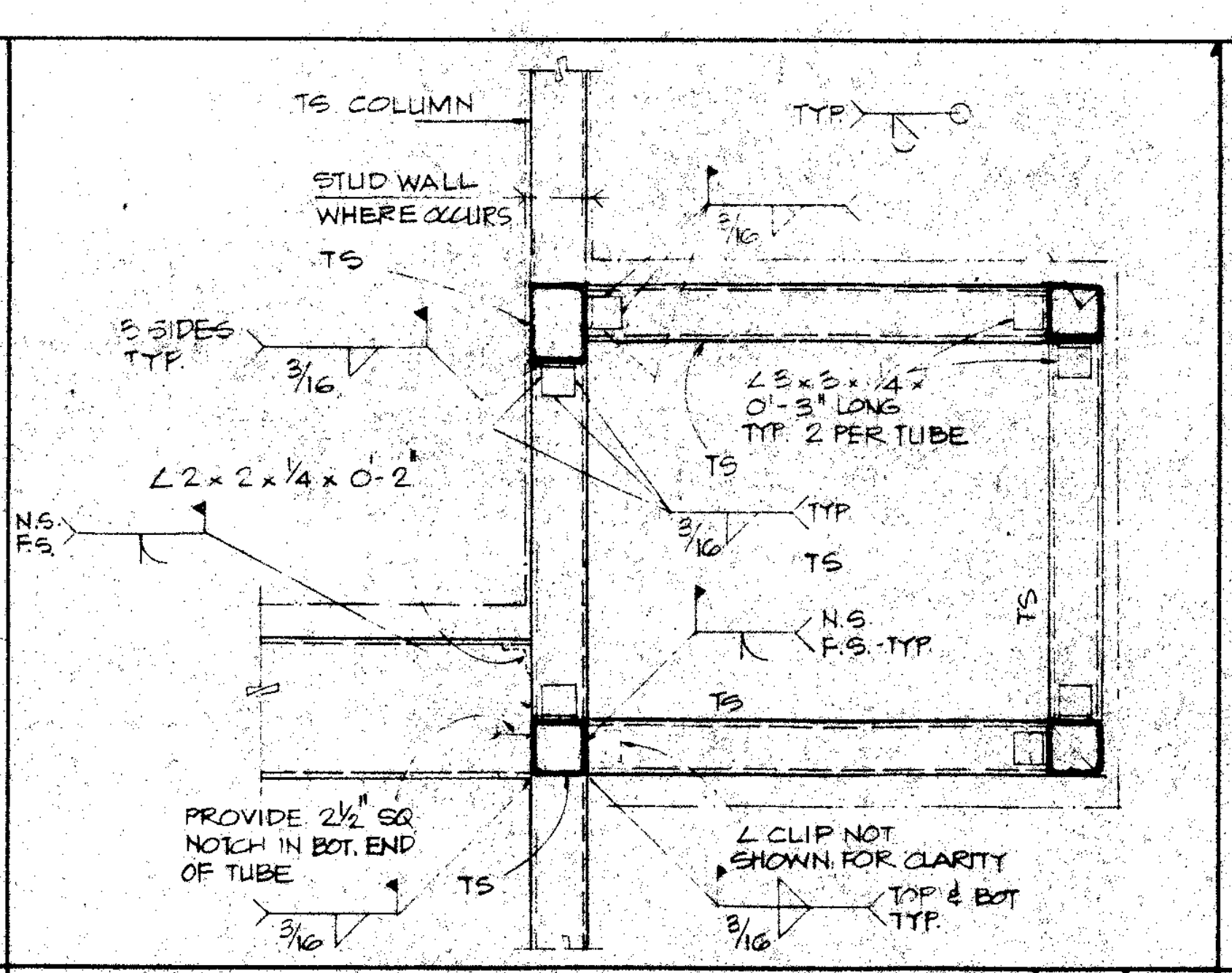
Sheet Number
S1015
Of Sheets


PLYWOOD SHT'G
STUDS @ 16" OC
E.N.
CONC. MASONRY VENEER
2x8 CONT NAILER W/ 2-16d STRONGHOLD NAILS AT EA STUD-TYP.
STUDS @ 16" OC.
2x12 LEDGER
16d @ 16" OC
TS
16d @ 16" OC
SEE FOR OTHER DETAILS
4'-0"
9'-0" TO FIN FL

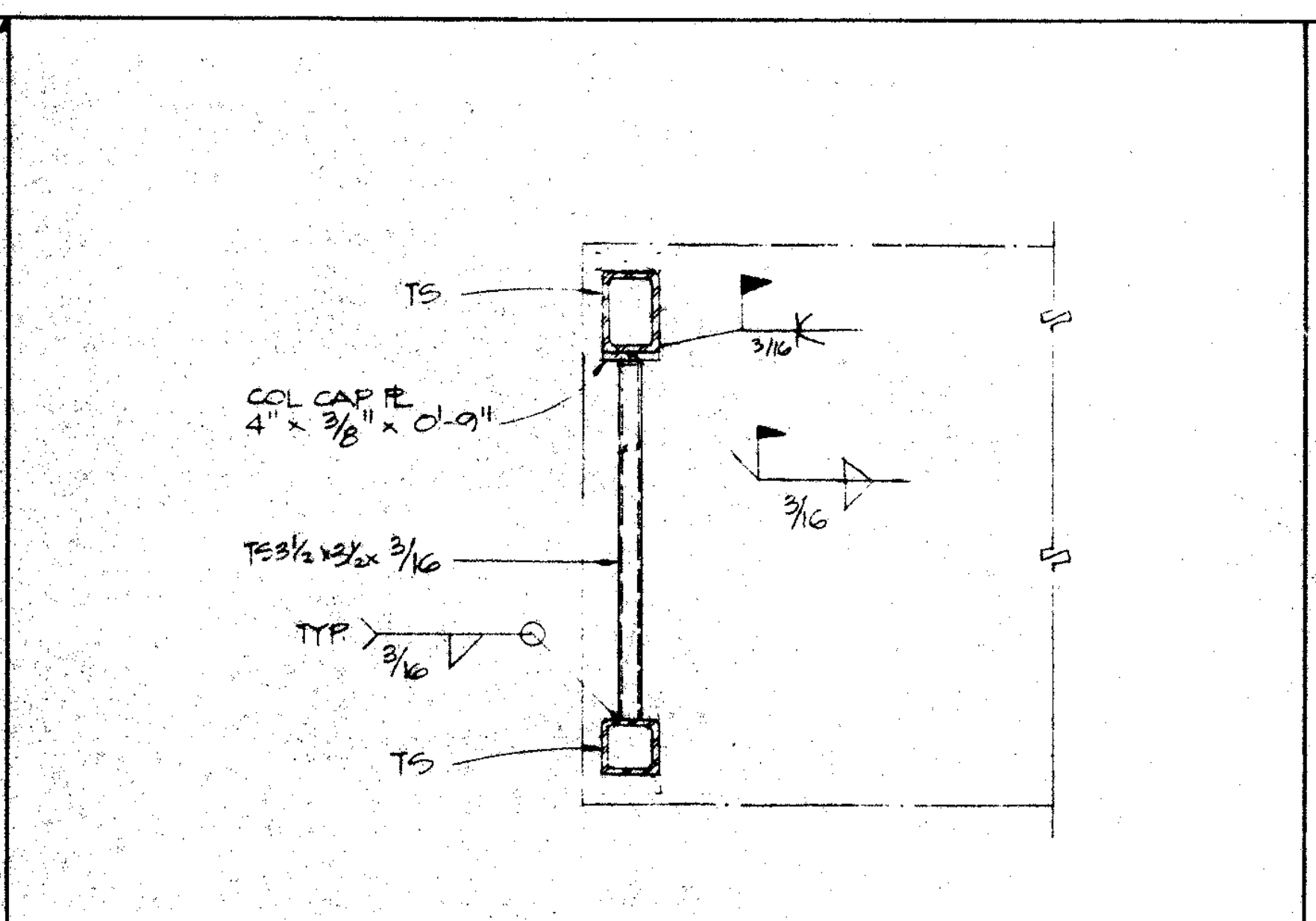
3/4" 30


PLYWOOD SHT'G
STUDS @ 16" OC
24"
2x8 LEDGER TYP.
2x PLATE
16d @ 8" OC.
E.N.
STL. BM.
SHAPED 3x6 NAILER W/ 1/2" Ø BOLTS @ 24" OC & 4" FROM END OF WALL
I-JOISTS
E.N.
SEE FOR OTHER DETAILS
4'-0"
9'-0" TO FIN FL

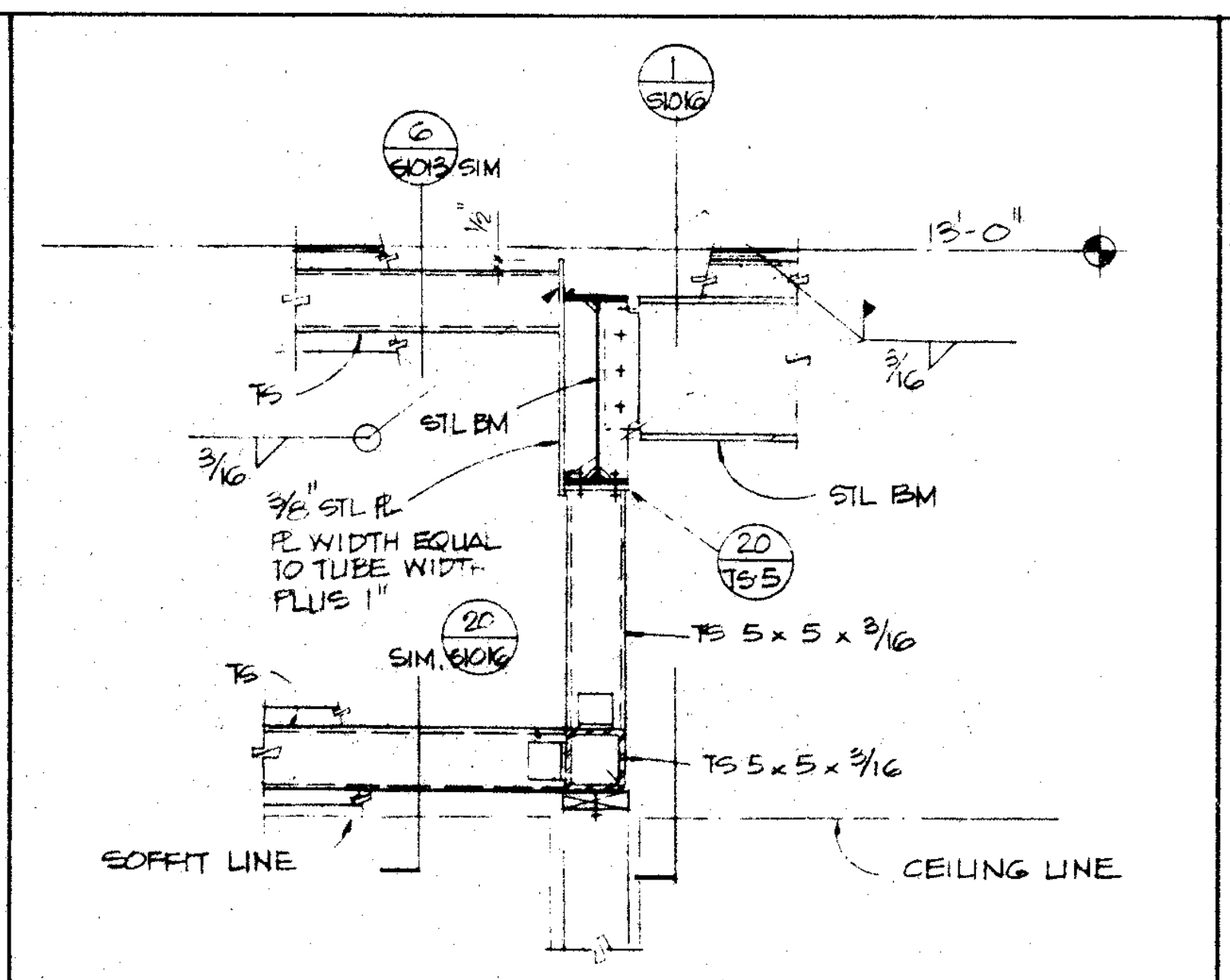
SECTION 3/4" 25


TS COLUMN
STUD WALL WHERE OCCURS
TS
3 SIDES TYP.
3/16
L2x2x1/4x0'-2
L2x3x1/4x 0'-3" LONG TYP. 2 PER TUBE
N.S F.S.
N.S F.S.-TYP
TS
PROVIDE 2 1/2" SQ. NOTCH IN BOT. END OF TUBE
L CLIP NOT SHOWN FOR CLARITY
TOP & BOT TYP.
3/16

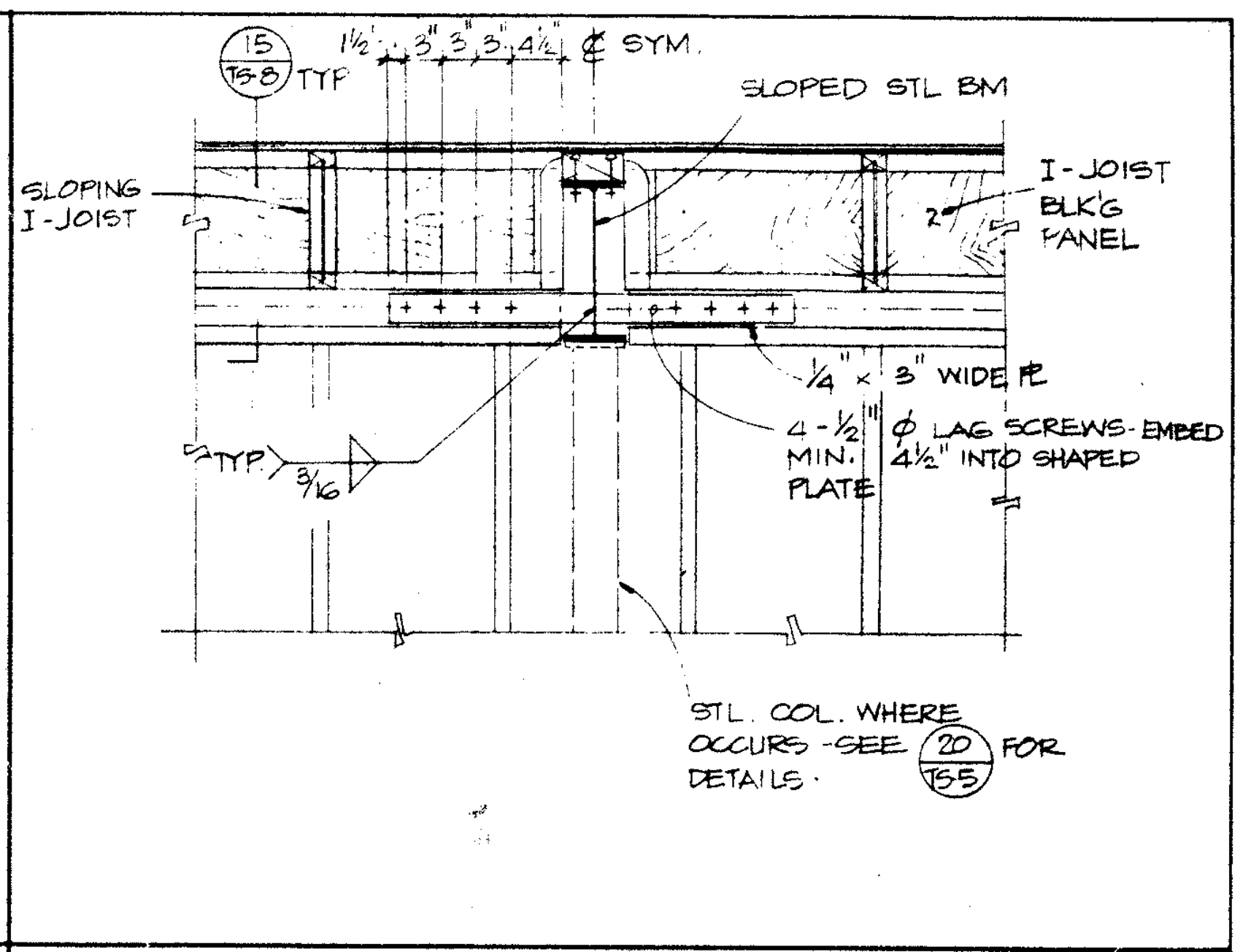
DETAIL 3/4" 20


TS
COL CAP PL 4" x 3/8" x 0'-9"
3/16
TS 3 1/2 x 3 1/2 x 3/16
TYP 3/16
TS

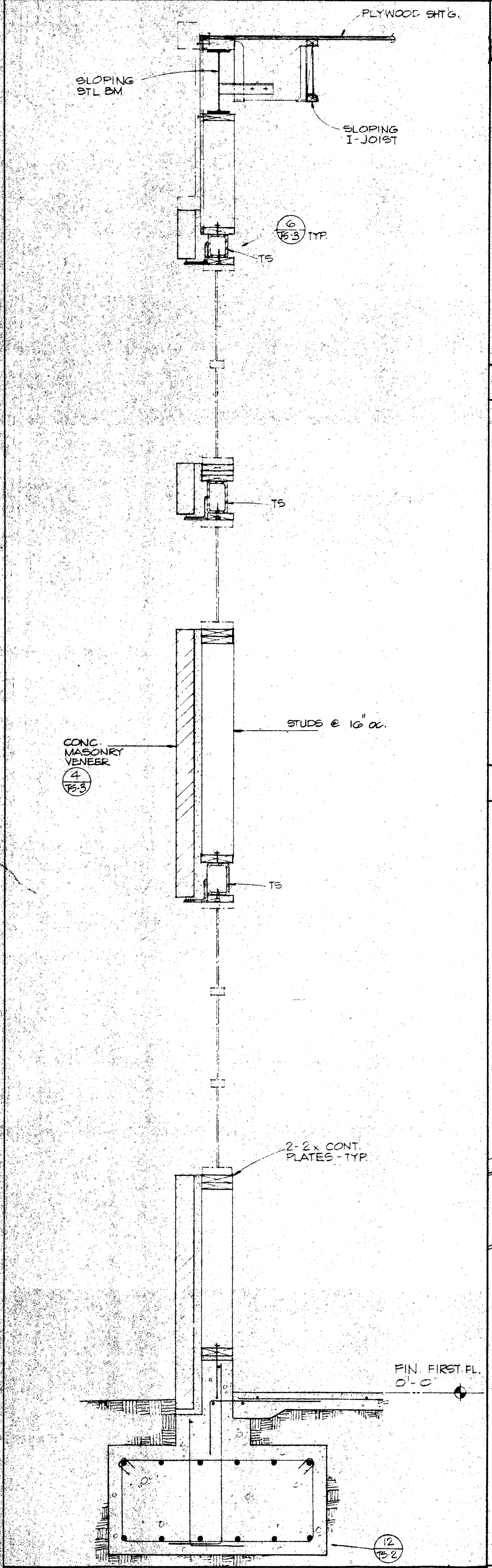
DETAIL 3/4" 15


SIM
15'-0"
STL BM
3/16
3/8" STL PL WIDTH EQUAL TO TUBE WIDTH PLUS 1"
STL BM
TS 5x5x3/16
SIM
TS
TS 5x5x3/16
SOFFIT LINE
CEILING LINE

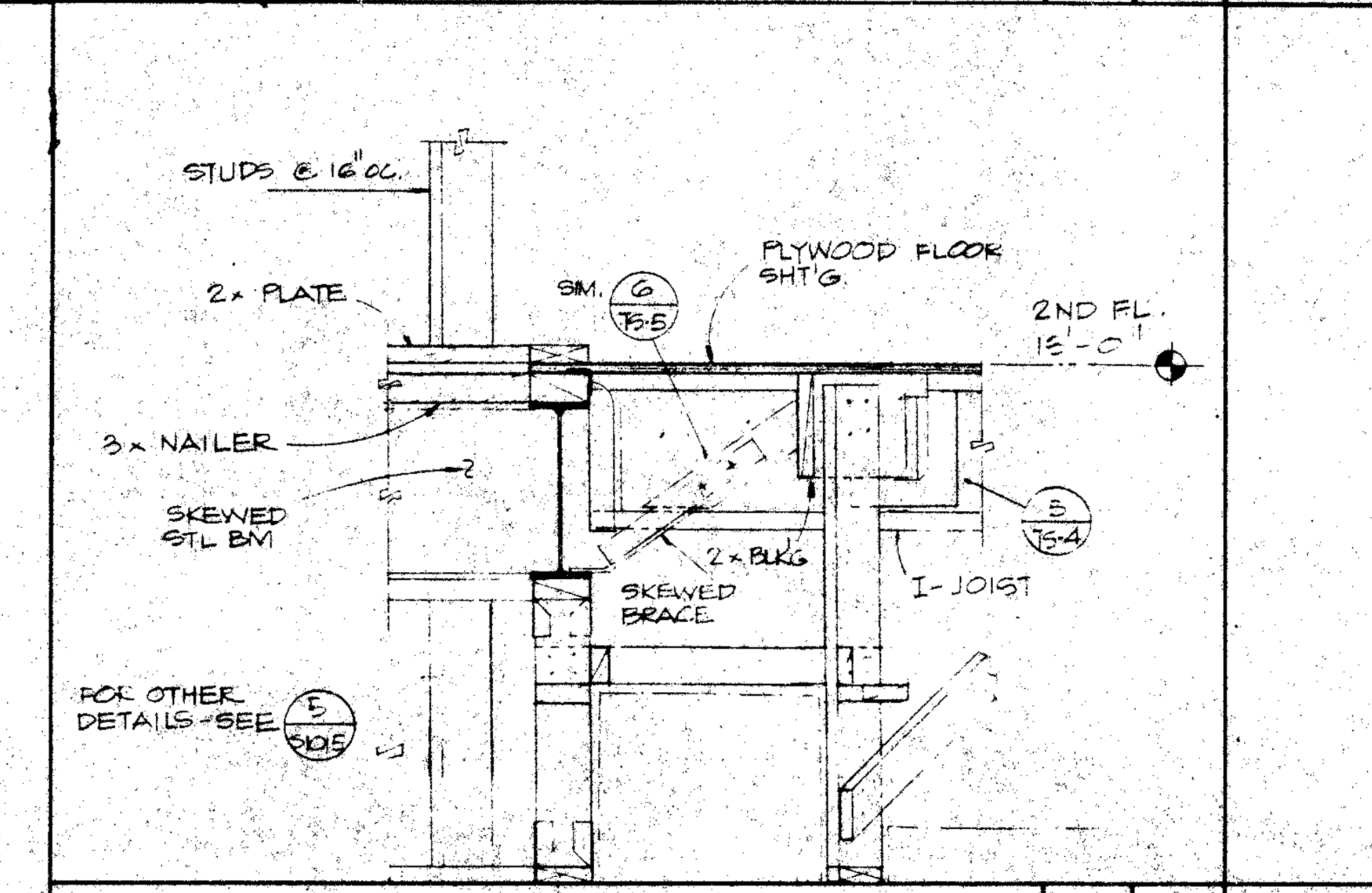
DETAIL 3/4" 10


TYP
1 1/2" 3" 3" 3" 4" ℄ SYM
SLOPED STL BM
SLOPING I-JOIST
I-JOIST BLK'G PANEL
1/4 x 8" WIDE PL
4-1/2" Ø LAG SCREWS-EMBED MIN. 4 1/2" INTO SHAPED PLATE
TYP
STL COL. WHERE OCCURS-SEE FOR DETAILS

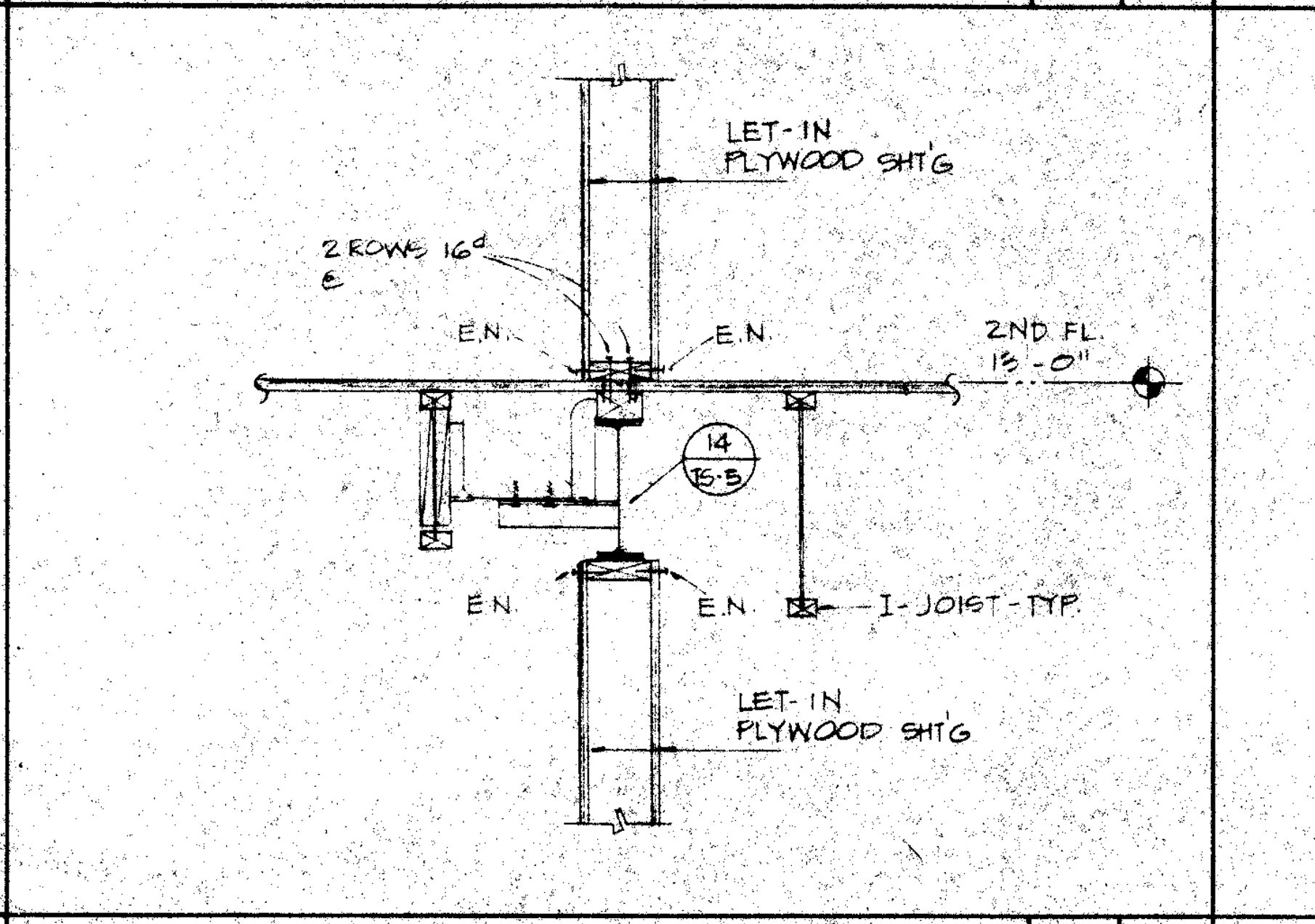
DETAIL 3/4" 5


PLYWOOD SHT'G.
SLOPING STL BM
SLOPING I-JOIST
TYP
TS
TS
CONC. MASONRY VENEER
STUDS @ 16" OC.
TS
2-2x CONT PLATES-TYP.
FIN. FIRST FL. 0'-0"

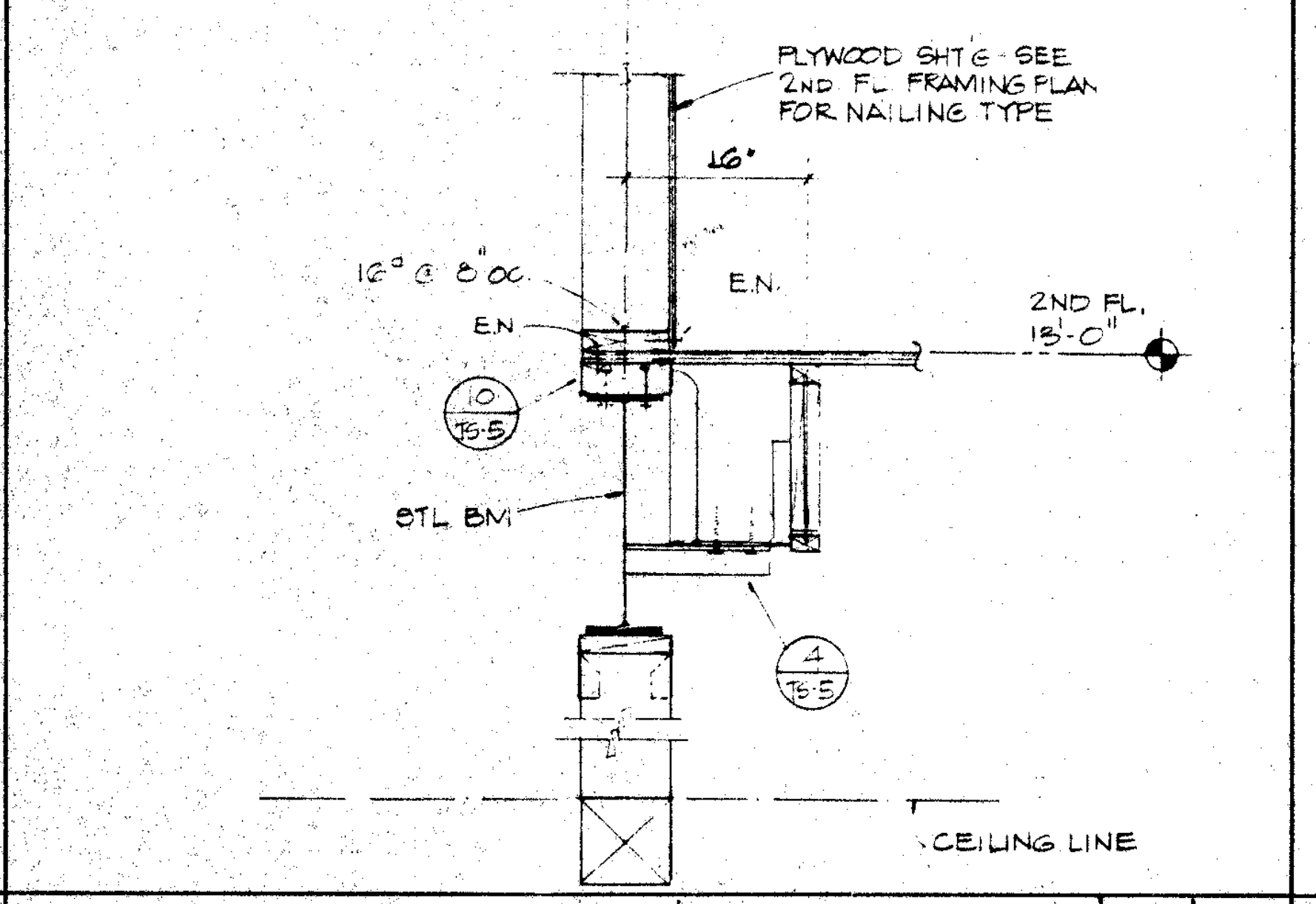
SECTION 3/4" 26


STUDS @ 16" OC.
2x PLATE
SIM.
PLYWOOD FLOOR SHT'G
2ND FL. 15'-0"
3x NAILER
SKEWED STL BM
2x BLK'G
SKEWED BRACE
I-JOIST
FOR OTHER DETAILS-SEE

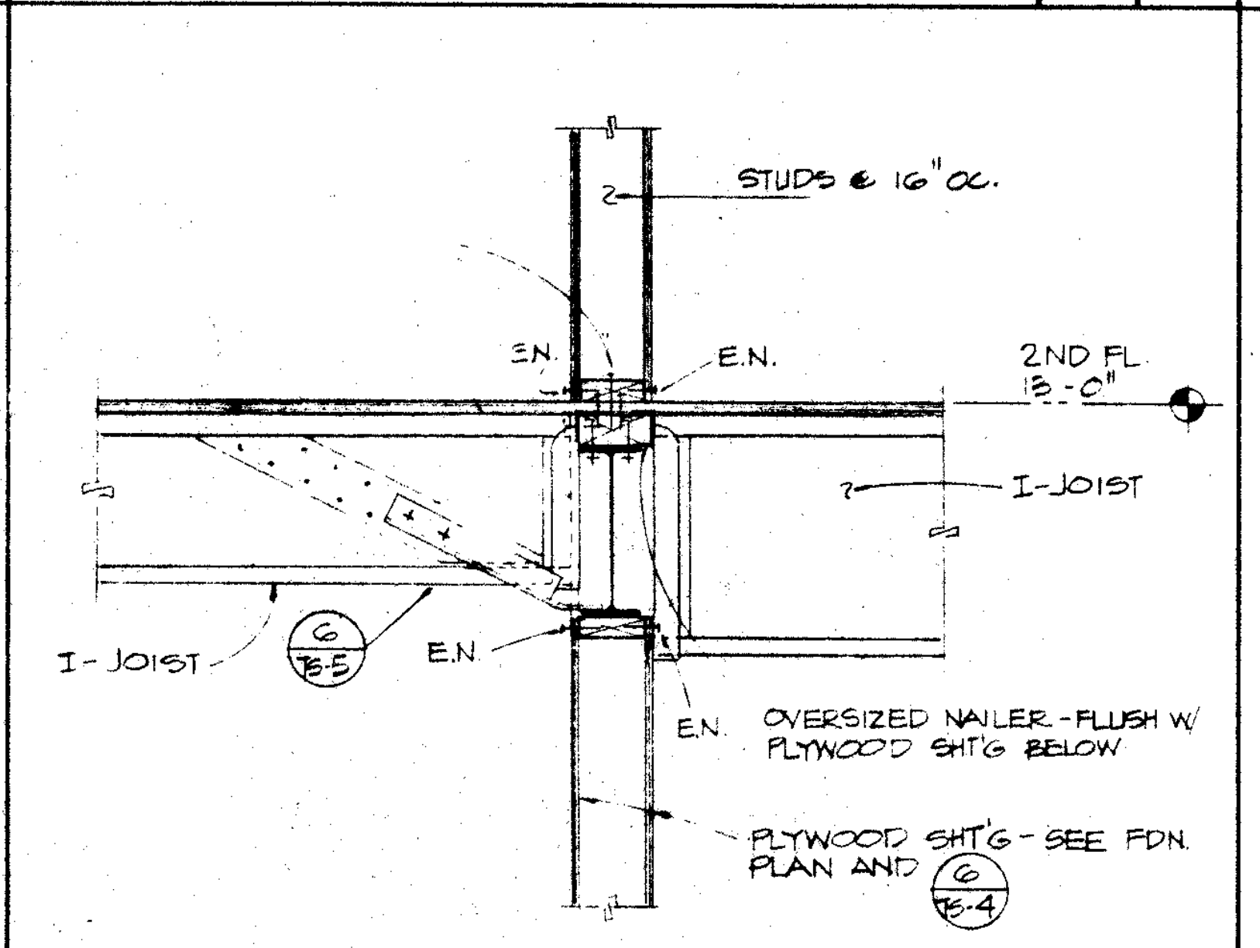
SECTION 3/4" 24


LET-IN PLYWOOD SHT'G
2 ROWS 16d
E.N.
E.N.
2ND FL. 15'-0"
E.N.
E.N.
I-JOIST-TYP.
LET-IN PLYWOOD SHT'G

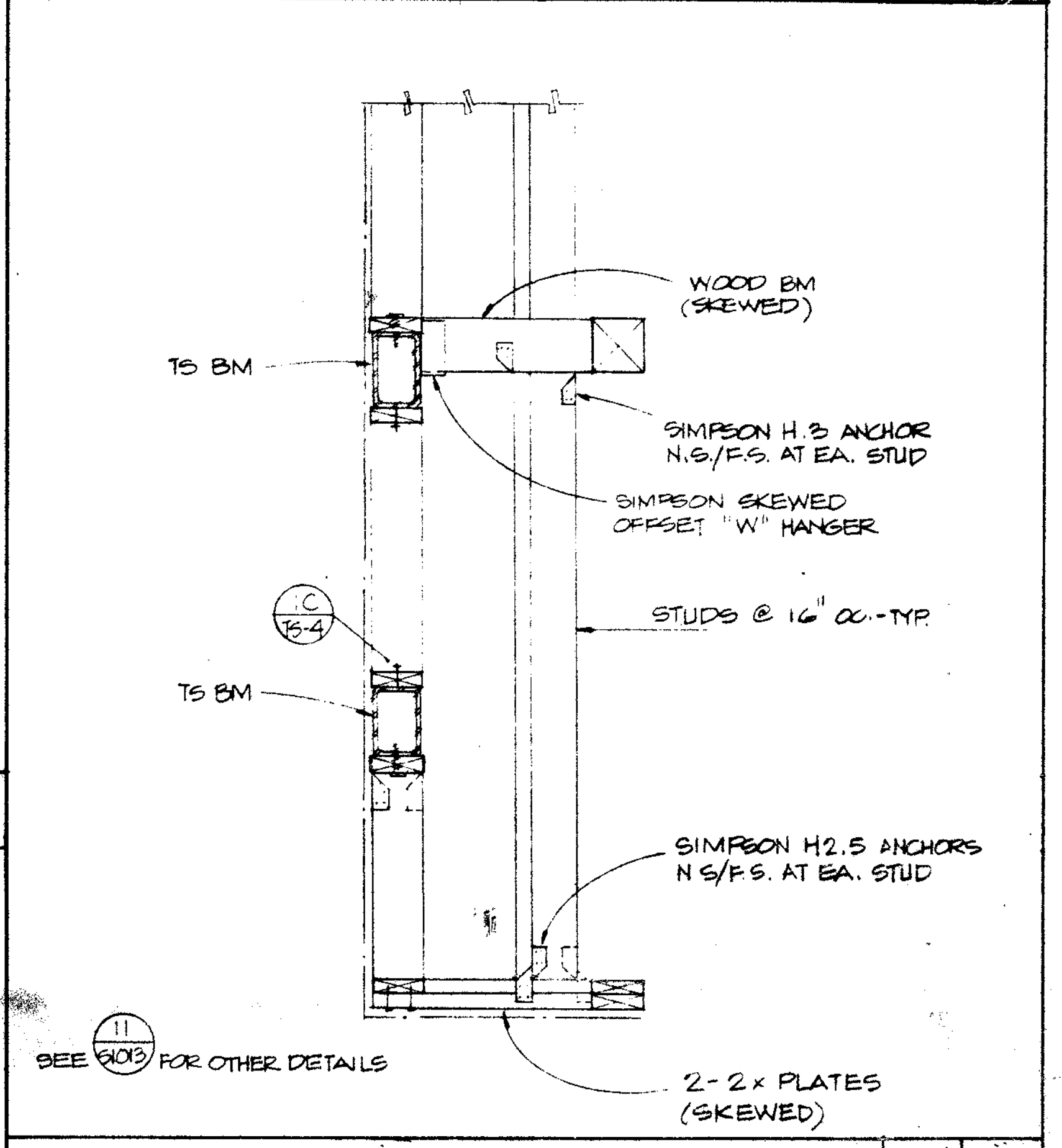
SECTION 3/4" 19


PLYWOOD SHT'G-SEE 2ND FL. FRAMING PLAN FOR NAILING TYPE
16"
12d @ 8" OC.
E.N.
E.N.
2ND FL. 15'-0"
STL BM
CEILING LINE

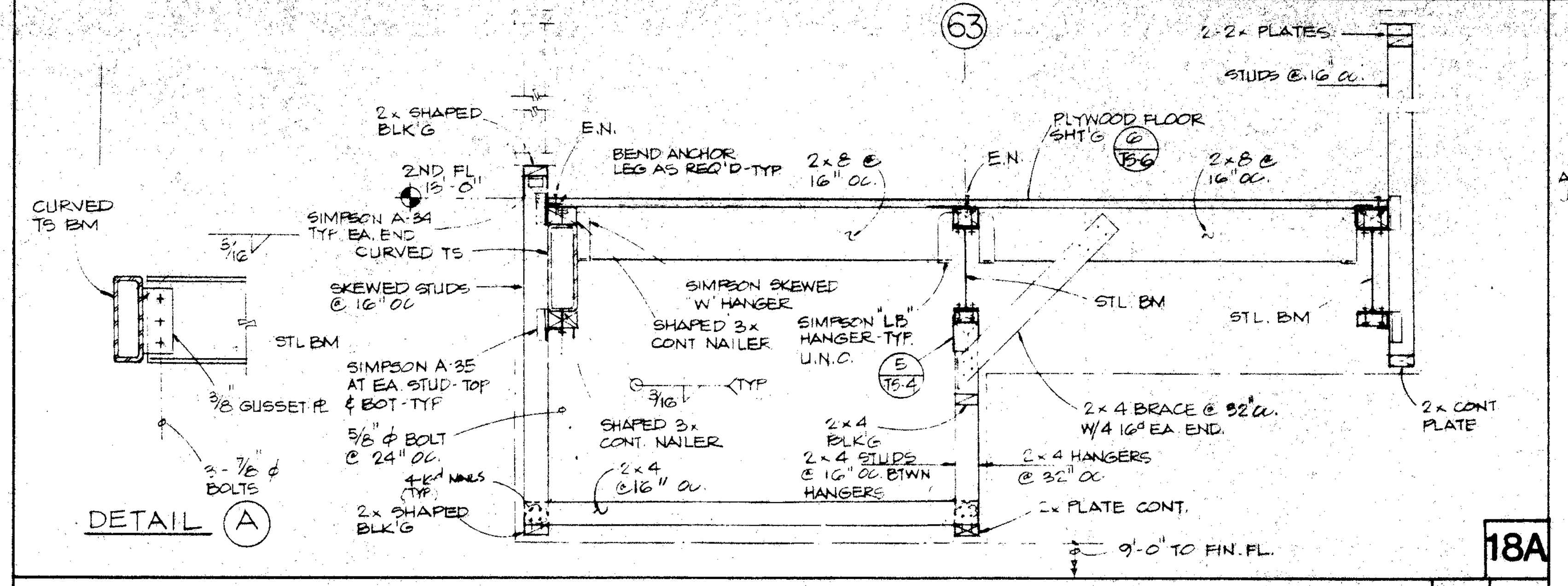
SECTION 3/4" 14


STUDS @ 16" OC.
S.N.
E.N.
2ND FL. 15'-0"
I-JOIST
I-JOIST
E.N.
E.N.
OVERSIZED NAILER-FLUSH W/ PLYWOOD SHT'G BELOW
PLYWOOD SHT'G-SEE FDN. PLAN AND

SECTION 3/4" 9

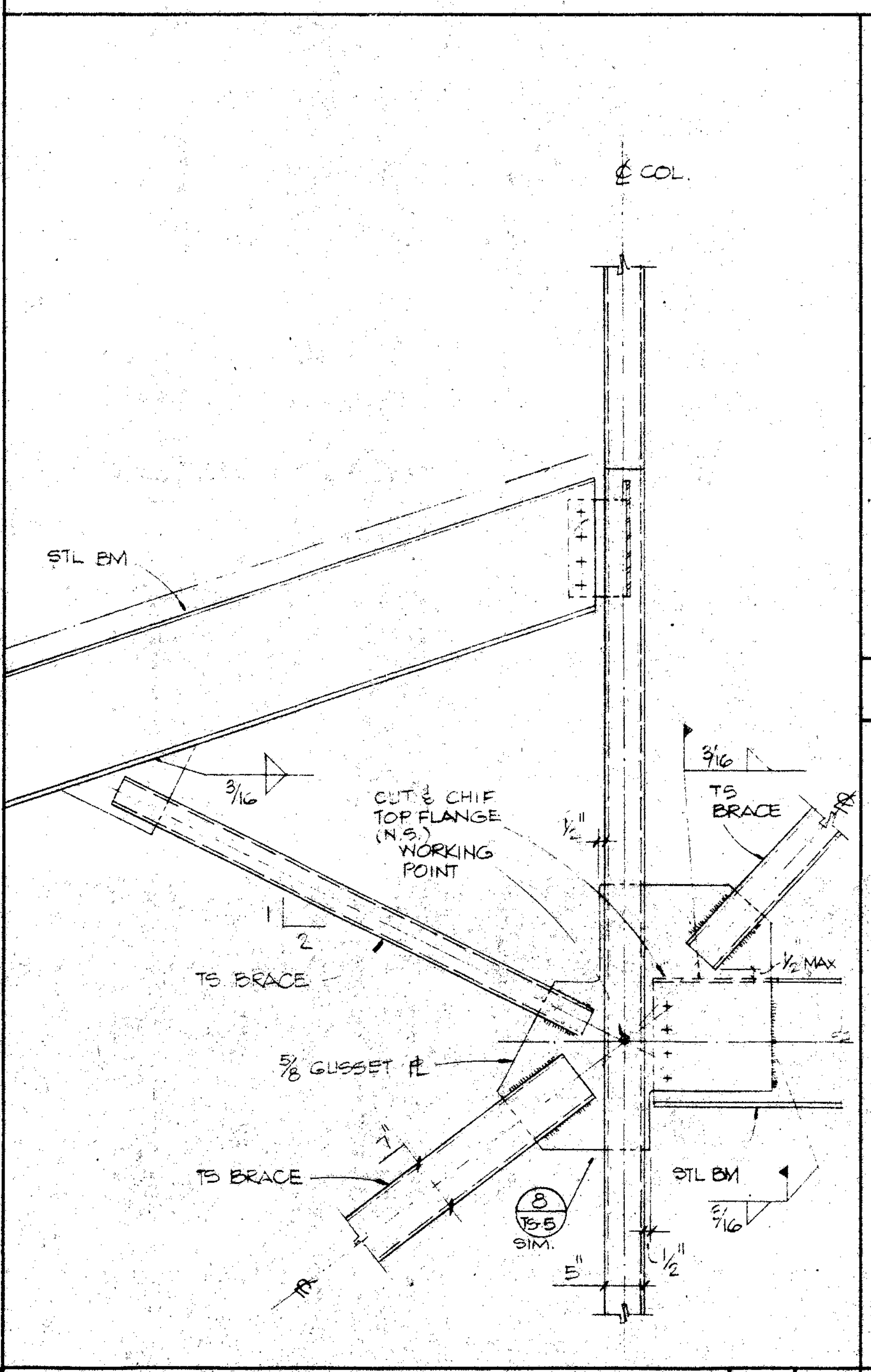

TS BM
WOOD BM (SKEWED)
SIMPSON H.3 ANCHOR N.S/F.S. AT EA. STUD
SIMPSON SKEWED OFFSET "W" HANGER
STUDS @ 16" OC-TYP
TS BM
SIMPSON H2.5 ANCHORS N.S/F.S. AT EA. STUD
SEE FOR OTHER DETAILS
2-2x PLATES (SKEWED)

DETAIL 3/4" 3

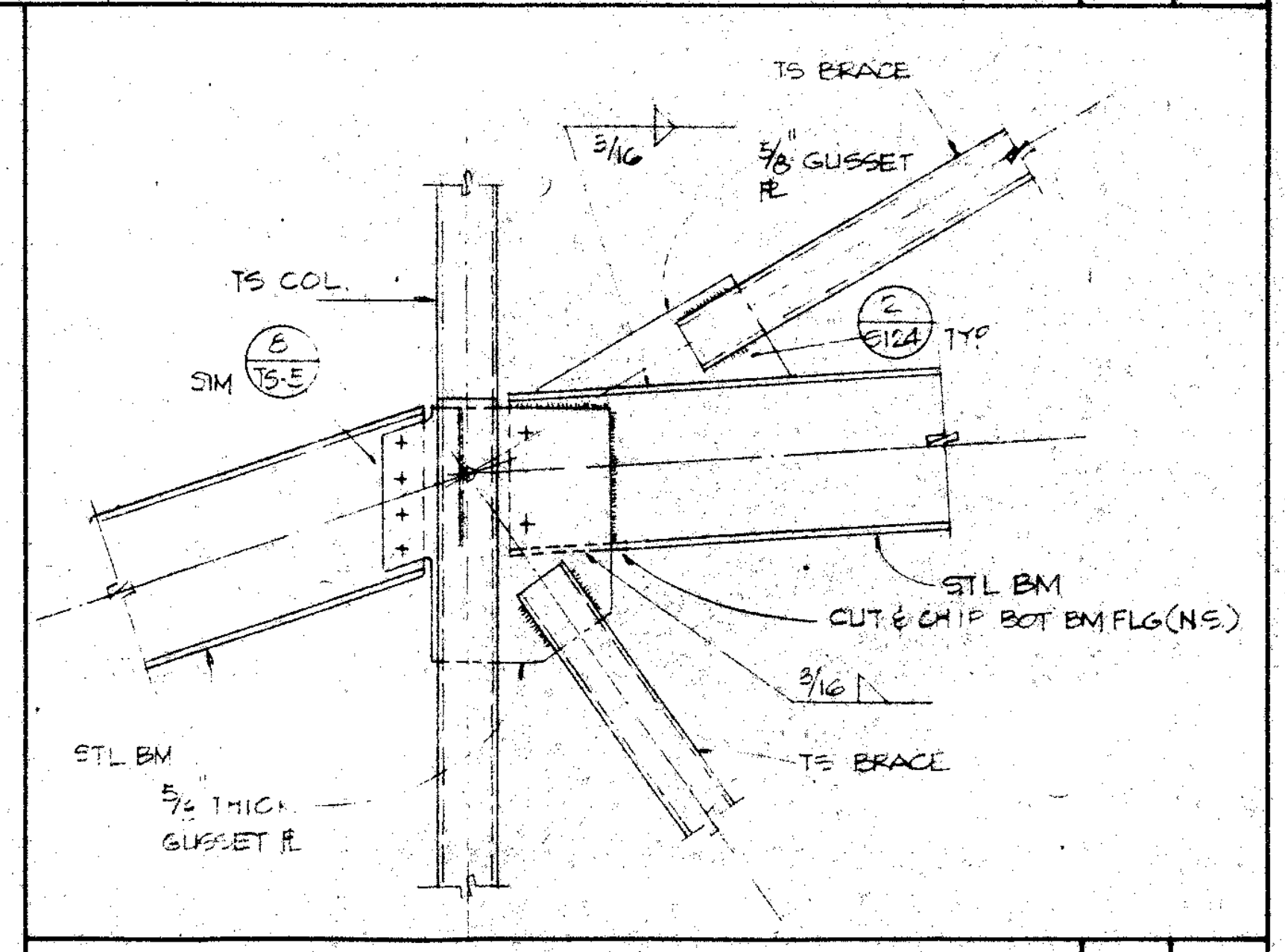

63
2-2x PLATES
STUDS @ 16" OC.
2x SHAPED BLK'G
E.N.
2ND FL. 15'-0"
BEND ANCHOR LEG AS REQ'D-TYP
2x8 @ 16" OC.
PLYWOOD FLOOR SHT'G
2x8 @ 16" OC.
CURVED TS BM
SIMPSON A-34 TYP. EA. END
CURVED TS
SKEWED STUDS @ 16" OC.
STL BM
SIMPSON SKEWED "W" HANGER
SHAPED 3x CONT NAILER
SIMPSON "LB" HANGER TYP U.N.C.
STL BM
STL BM
3/8 GUSSET PL
SIMPSON A-35 AT EA STUD-TOP & BOT-TYP
5/8 Ø BOLT @ 24" OC
SHAPED 3x CONT. NAILER
2x4 BRACE @ 32" OC. W/4 16d EA END.
2x CONT PLATE
2-7/8" Ø BOLTS
2x SHAPED BLK'G
2x @ 16" OC
2x4 BLK'G
2x4 STUDS @ 16" OC BTWN HANGERS
2x4 HANGERS @ 32" OC
2x PLATE CONT.
9'-0" TO FIN. FL.
DETAIL A

18A

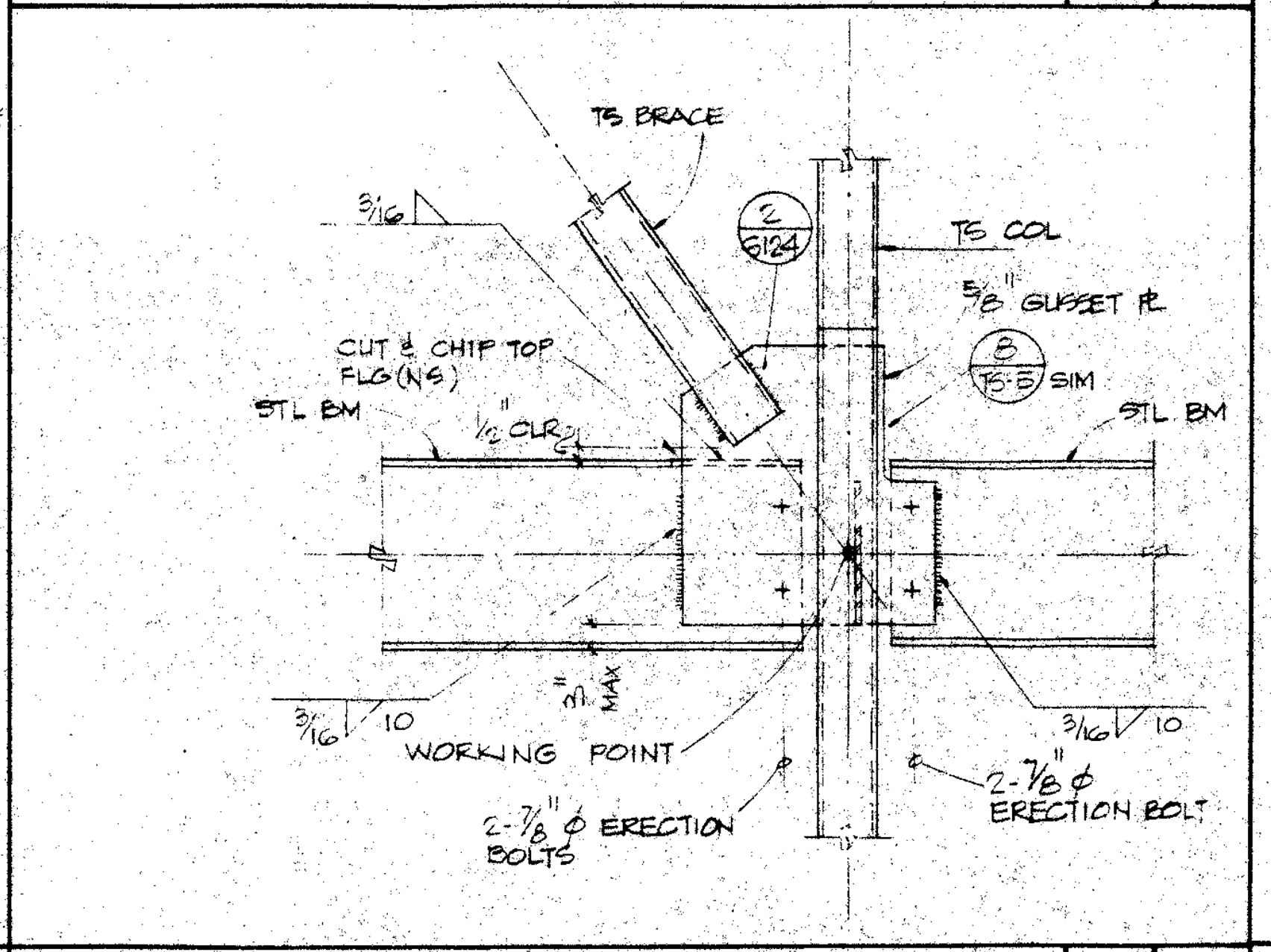
SECTION 1/4" 18


℄ COL.
STL BM
CUT & CHIP TOP FLANGE (N.S.)
WORKING POINT
TS BRACE
TS BRACE
5/8 GUSSET PL
TS BRACE
STL BM
SIM.

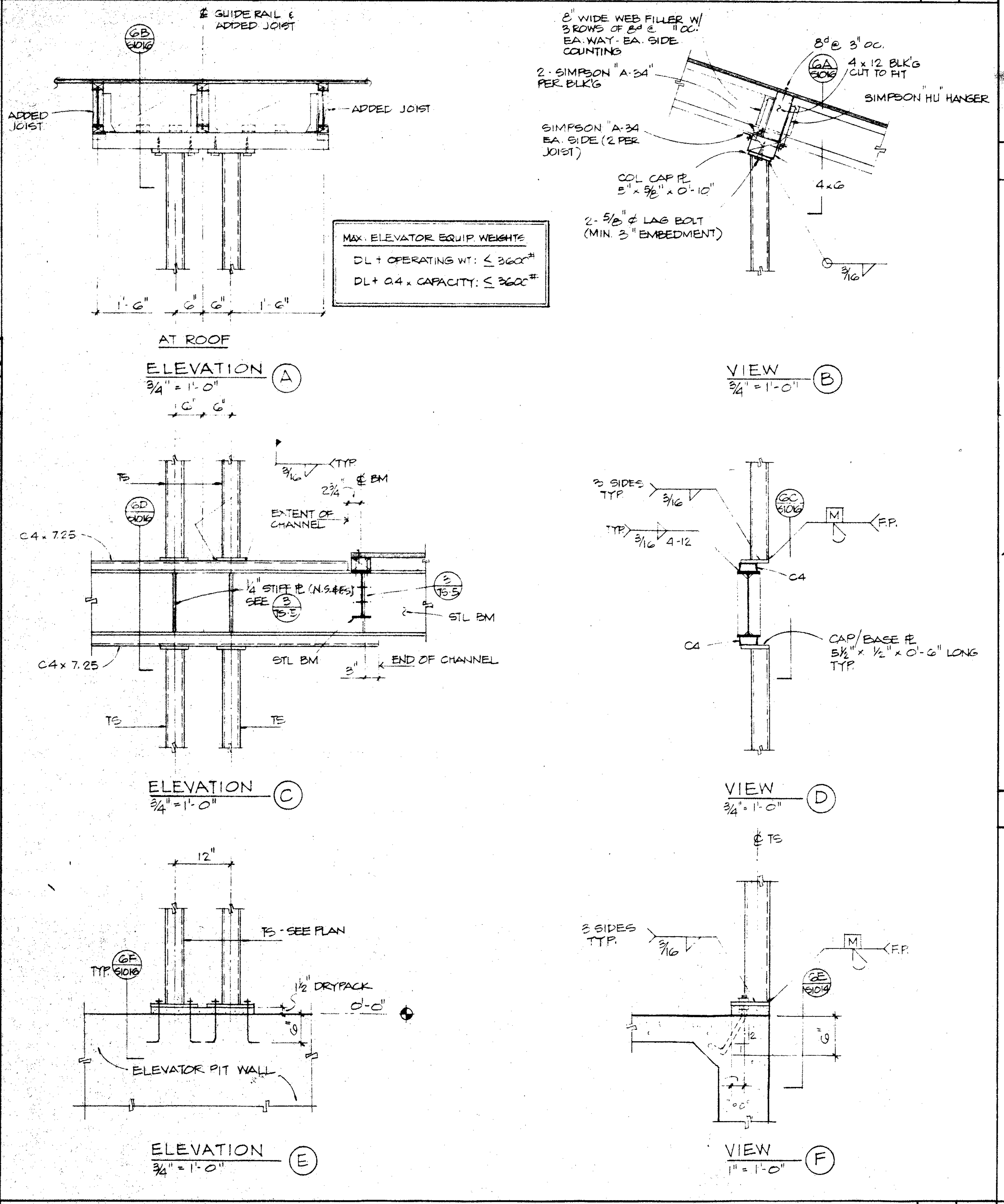
BRACE DETAIL 3/4" 21


TS BRACE
5/8 GUSSET PL
TS COL.
SIM
TYP
STL BM
CUT & CHIP BOT BM FLG (N.S.)
STL BM
5/8 THICK GUSSET PL
TS BRACE

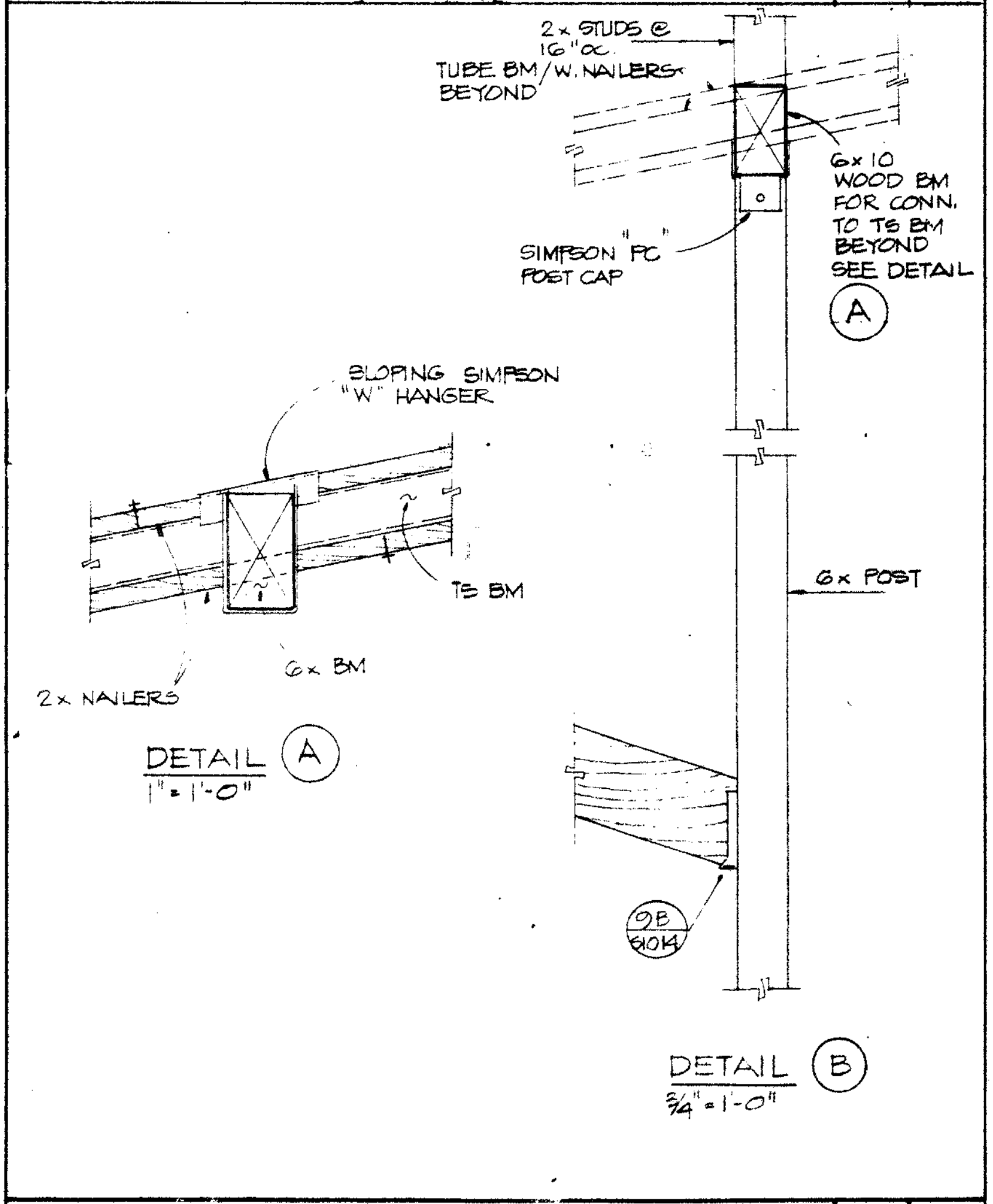
BRACE DETAIL 3/4" 17


TS BRACE
TS COL
5/8 GUSSET PL
SIM
CUT & CHIP TOP FLG (N.S.)
STL BM
STL BM
WORKING POINT
2-7/8" Ø ERECTION BOLTS
2-7/8" Ø ERECTION BOLT

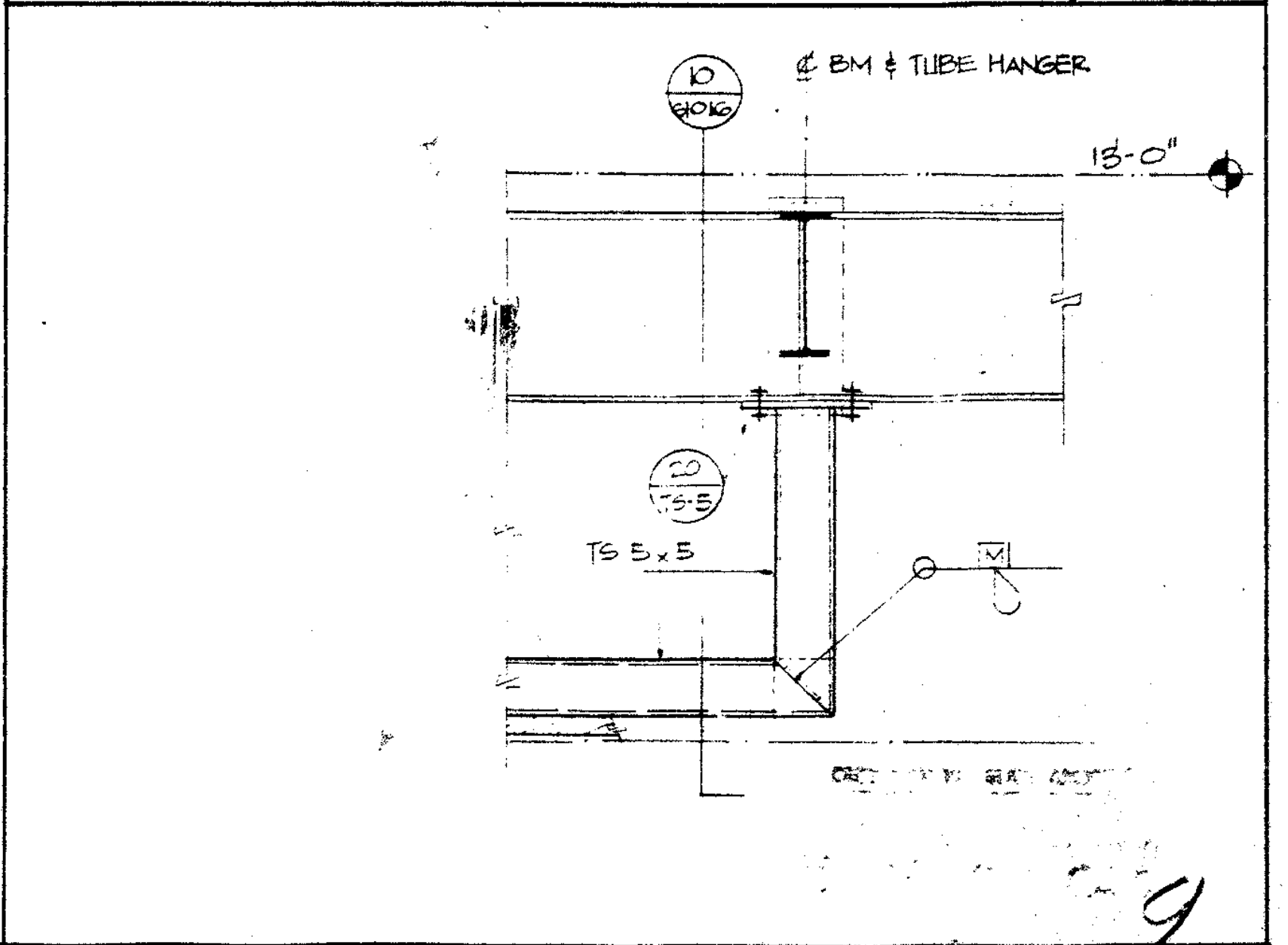
BRACE DETAIL 3/4" 16


℄ GUIDE RAIL & ADDED JOIST
ADDED JOIST
ADDED JOIST
1'-6" 6" 6" 1'-6"
AT ROOF
ELEVATION A 3/4" = 1'-0"
8" WIDE WEB FILLER W/ 3 ROWS OF 8d @ 3" OC. EA. WAY. EA. SIDE. COUNTING
2-SIMPSON "A-34" PER BLK'G
8d @ 3" OC.
4x12 BLK'G CUT TO FIT
SIMPSON HU HANGER
SIMPSON "A-34" EA. SIDE (2 PER JOIST)
COL CAP PL 5" x 3/8" x 0'-10"
2-5/8" Ø LAG BOLT (MIN. 3" EMBEDMENT)
4x6
VIEW B 3/4" = 1'-0"
MAX. ELEVATOR EQUIP WEIGHTS
DL + OPERATING WT: ≤ 3600#
DL + 0.4 CAPACITY: ≤ 3600#
1'-6" 6"
TYP
C4x7.25
EXTENT OF CHANNEL
1/4" STIFF PL (N.S.&F.S.)
SEE
STL BM
C4x7.25
STL BM
END OF CHANNEL
TS
TS
ELEVATION C 3/4" = 1'-0"
3 SIDES TYP
TYP 3/16 4-12
C4
C4
CAP/BASE PL 5 1/2" x 1/2" x 0'-6" LONG TYP.
F.P.
VIEW D 3/4" = 1'-0"
12"
TS-SEE PLAN
TYP
1 1/2" DRYPACK
0'-0"
ELEVATOR PIT WALL
ELEVATION E 3/4" = 1'-0"
℄ TS
3 SIDES TYP.
F.P.
VIEW F 1" = 1'-0"

ELEVATOR GUIDERAIL SUPPORT DETAILS AS NOTED 6


2x STUDS @ 16" OC
TUBE BM/W NAILERS BEYOND
6x10 WOOD BM FOR CONN. TO TS BM BEYOND SEE DETAIL A
SIMPSON "PC" POST CAP
SLOPING SIMPSON "W" HANGER
TS BM
2x NAILERS
6x BM
6x POST
DETAIL A 1" = 1'-0"
DETAIL B 3/4" = 1'-0"

DETAILS AS NOTED 2


℄ BM & TUBE HANGER
15'-0"
TS 5x5

DETAIL 3/4" 1

Drawn By M.N.
Checked By S.R.U.
Date MAR. 1988
Commission No. 130.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers

REGISTERED PROFESSIONAL ENGINEER MAMORU E. KANDA No. 956 EXP. 12-31-89 STRUCTURAL STATE OF CALIFORNIA

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West Hills High School
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Library / Guidance Center
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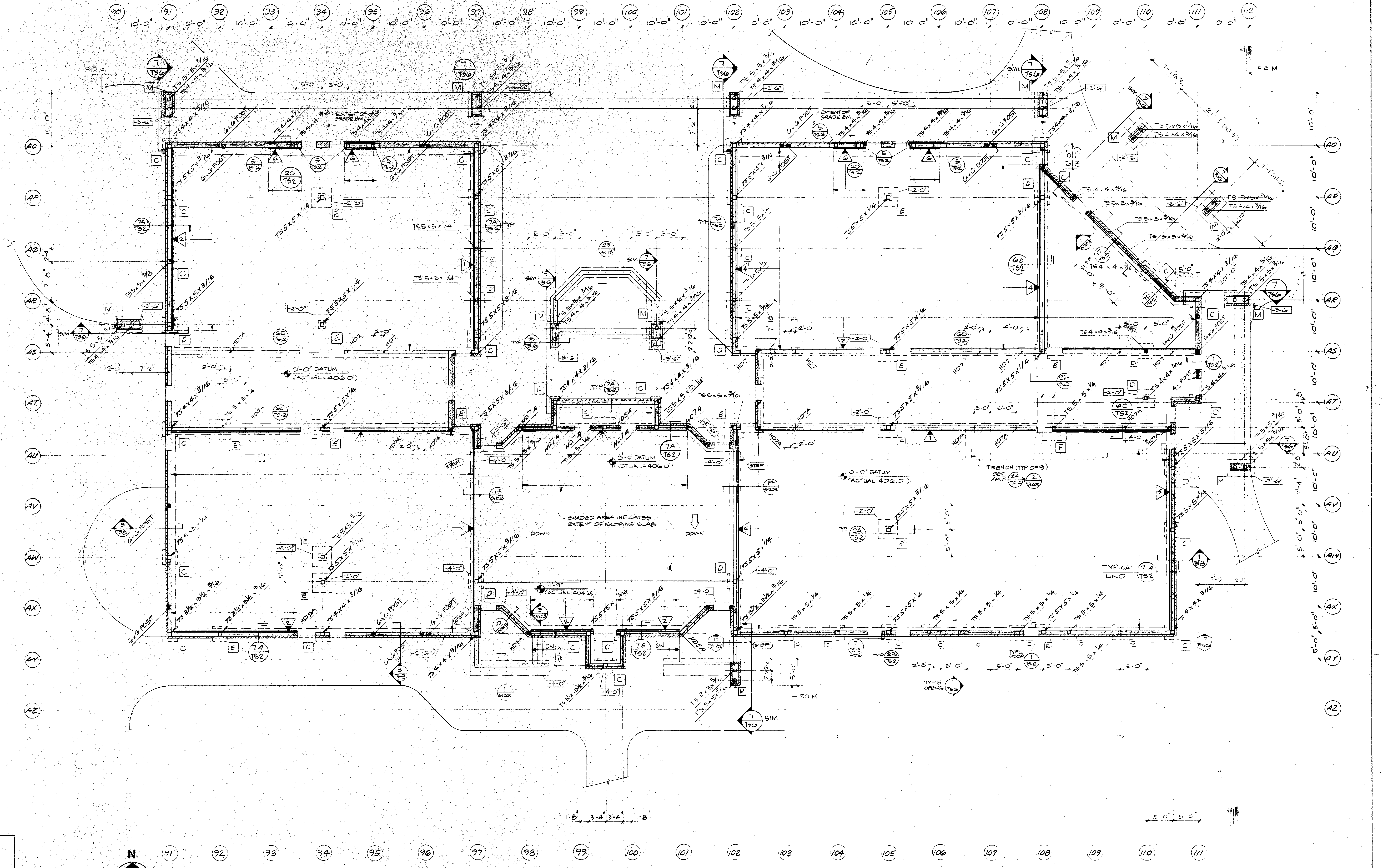
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103
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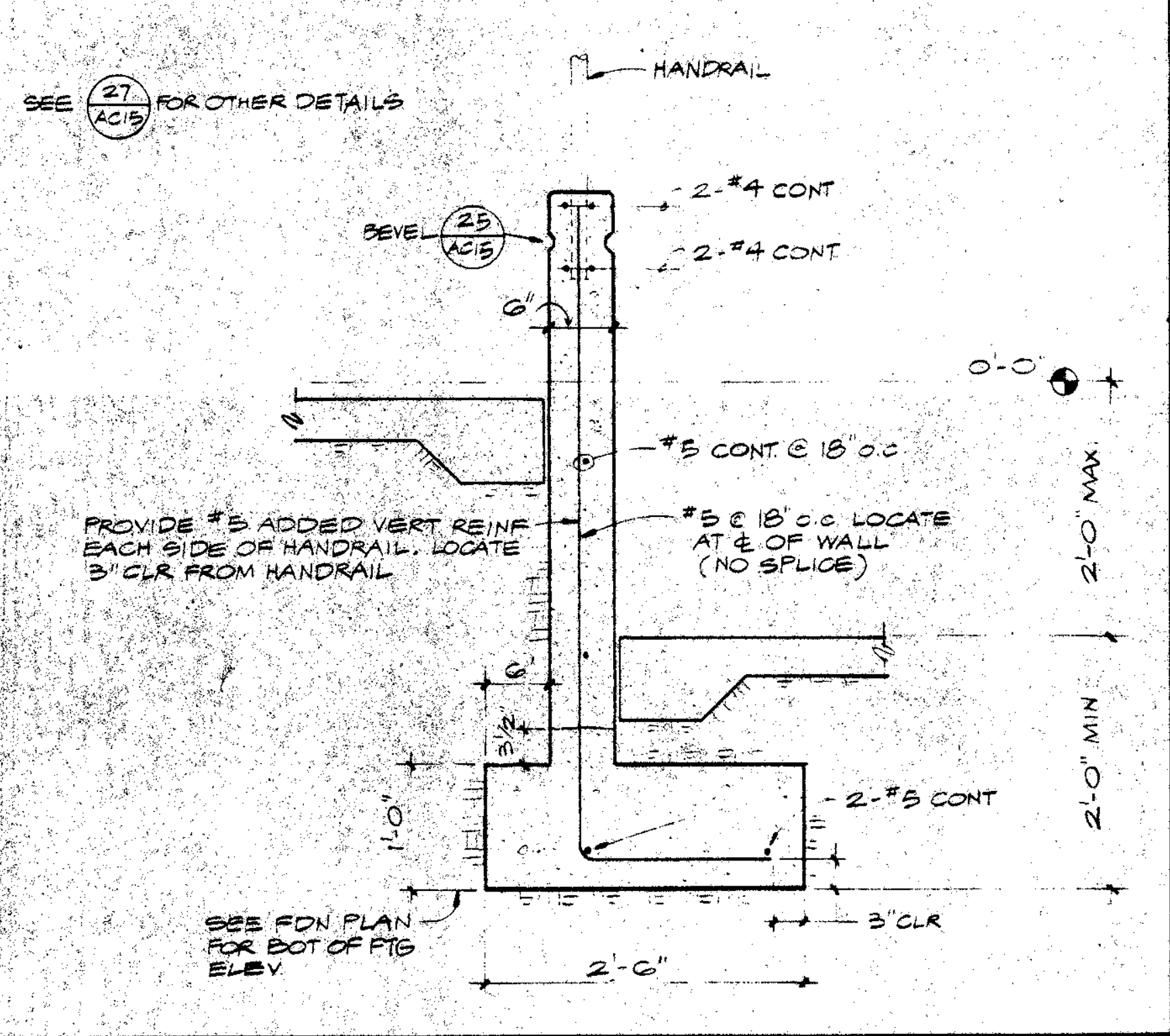
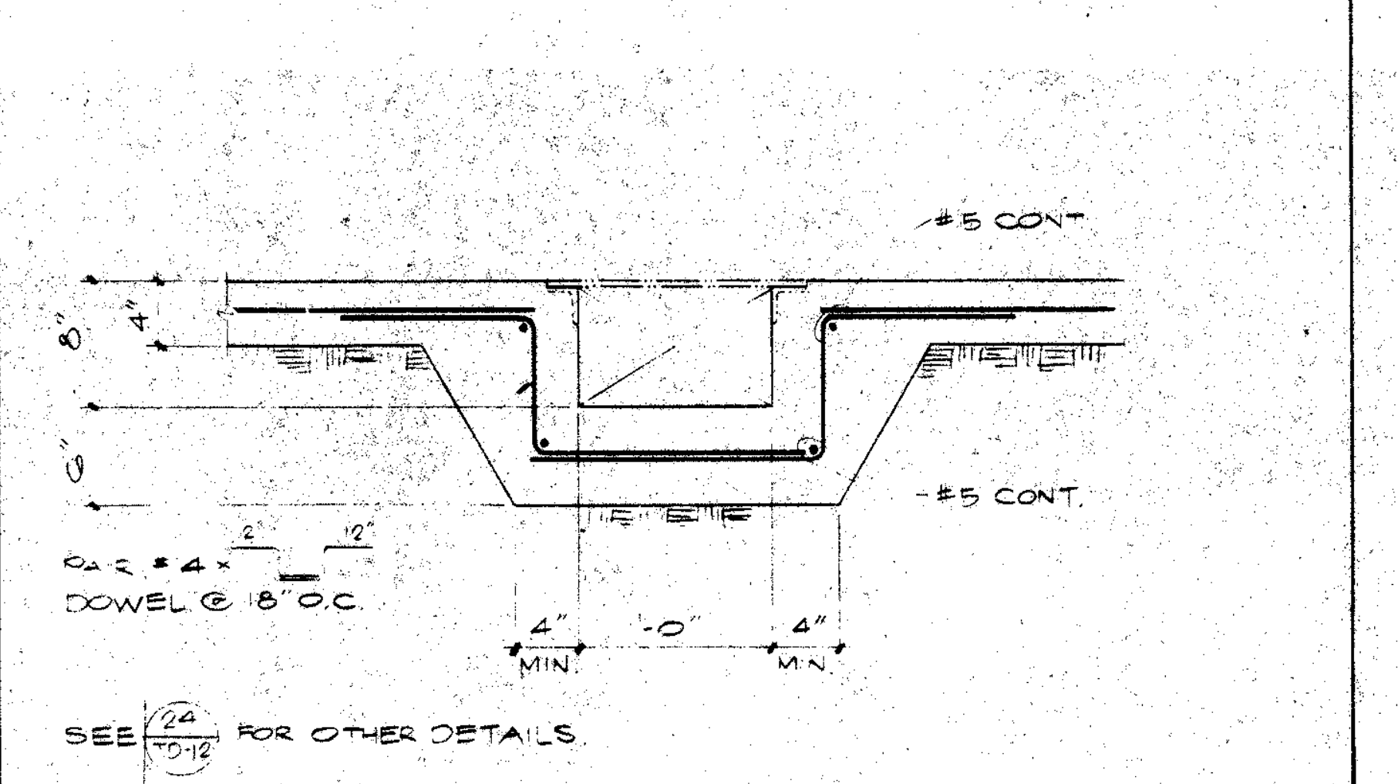
106
107
108
109
110
111
112
10'-0"
AO
AP
AQ
AR
AS
AT
AU
AV
AW
AX
AY
AZ
F.O.M.
0'-0" DATUM (ACTUAL=406.0')
0'-0" DATUM (ACTUAL 406.0')
SHADED AREA INDICATES EXTENT OF SLOPING SLAB
DOWN
TYPICAL UNO 7A/TS2
G x G POST
EXTENT OF GRADE BM
TS 5x5x1/4
TS 5x5x3/16
TS 4x4x3/16
HD7A
STEP
TRENCH (TYP OF 3)
-2'-0"
-3'-6"
-4'-0"

FOUNDATION PLAN

SCALE 1/8" = 1'-0"


SEE 27/AC15 FOR OTHER DETAILS
HANDRAIL
BEVEL 25/AC15
2-#4 CONT
2-#4 CONT
6"
0'-0"
#5 CONT @ 18" o.c.
PROVIDE #5 ADDED VERT REINF EACH SIDE OF HANDRAIL. LOCATE 3" CLR FROM HANDRAIL
#5 @ 18" o.c. LOCATE AT ℄ OF WALL (NO SPLICE)
2'-0" MAX
2'-0" MIN
6"
3 1/2"
1'-0"
2-#5 CONT
SEE FDN PLAN FOR BOT OF FTG ELEV.
3" CLR
2'-6"

SECTION 3/4" 1


#5 CONT
8"
4"
6"
#5 CONT.
PAIR #4 x 2" 12" DOWEL @ 18" O.C.
4" MIN
-0"
4" MIN
SEE 24/TD-12 FOR OTHER DETAILS

SECTION " 2

10. 6A/TS INDICATES FOOTING SECTION
INDICATES CONT FTG, TYPE & REINFORCING.
SEE 9/TS2.
INDICATES SHEET NO.

11. DIMENSION AND GRID STATION INDICATES CENTER LINE OF STUD

12 CENTER LINE OF STEEL COL AND STUD WALL COINCIDE

13 SEE 1/TS-4 FOR TYPICAL STUD WALL CONSTRUCTION

FOUNDATION PLAN NOTES:

1. TYPICAL INTERIOR CONCRETE SLAB ON GRADE:
4" CONCRETE SLAB REINFORCED W/ #3 @ 24" O.C. EA. WAY ON 2" SAND ON IMPERMEABLE POLYETHYLENE MEMBRANE ON COMPACTED ENGINEERED EARTHFILL.

2. A INDICATES FOOTING TYPES - SEE 2/TS-2.

3. B.O.F.=(-) INDICATES BOTTOM OF FOOTING ELEVATION BELOW FINISH FLOOR ELEVATION.
TYPICAL INTERIOR = (-)2'-6" U.N.O.
TYPICAL EXTERIOR = (-)2'-6" U.N.O.

4. INDICATES PLYWOOD SHEARWALL, SEE SCHEDULE 6/TS4.
INDICATES EXTENT OF SHEAR WALL

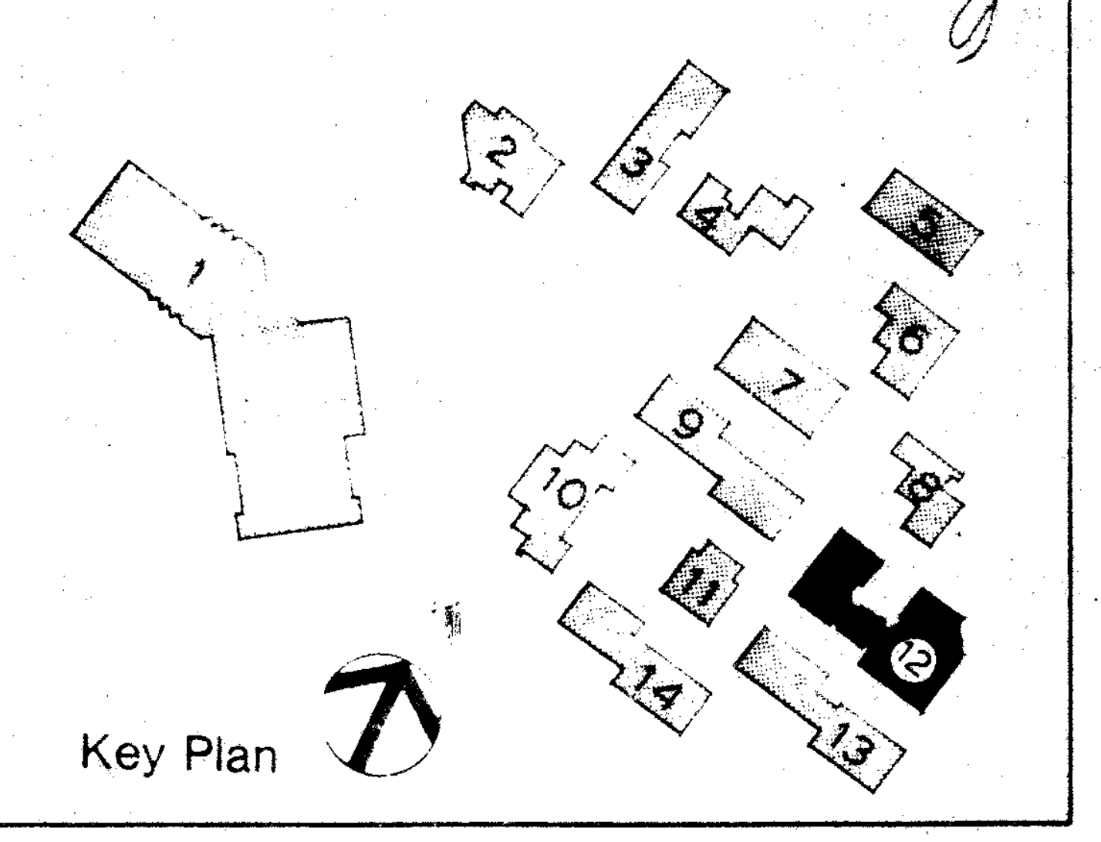
5. -INDICATES CONCRETE CURB. SEE ARCH DETAIL 13/TD14.

6. "HD7A" INDICATES HOLDOWN AT 4x6 POST, TYP. U.N.O. - SEE 12/TS4

7. ALL EXTERIOR STUDS SHALL BE 2 x6 @ 16" O.C., U.N.O., SEE ARCH

8. TYPICAL BLOCK VENEER ANCHORAGE DETAIL, SEE 4/TS3.

9. "U.N.O." INDICATES UNLESS NOTED OTHERWISE.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Key Plan

Drawn By	KW
Checked By	SRU
Date	MAR 1986
Commission No	130.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers

MAMORU E KANDA
No 956
EXP 12-31-8

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ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

Science - Bldg. No.12
Foundation Plan

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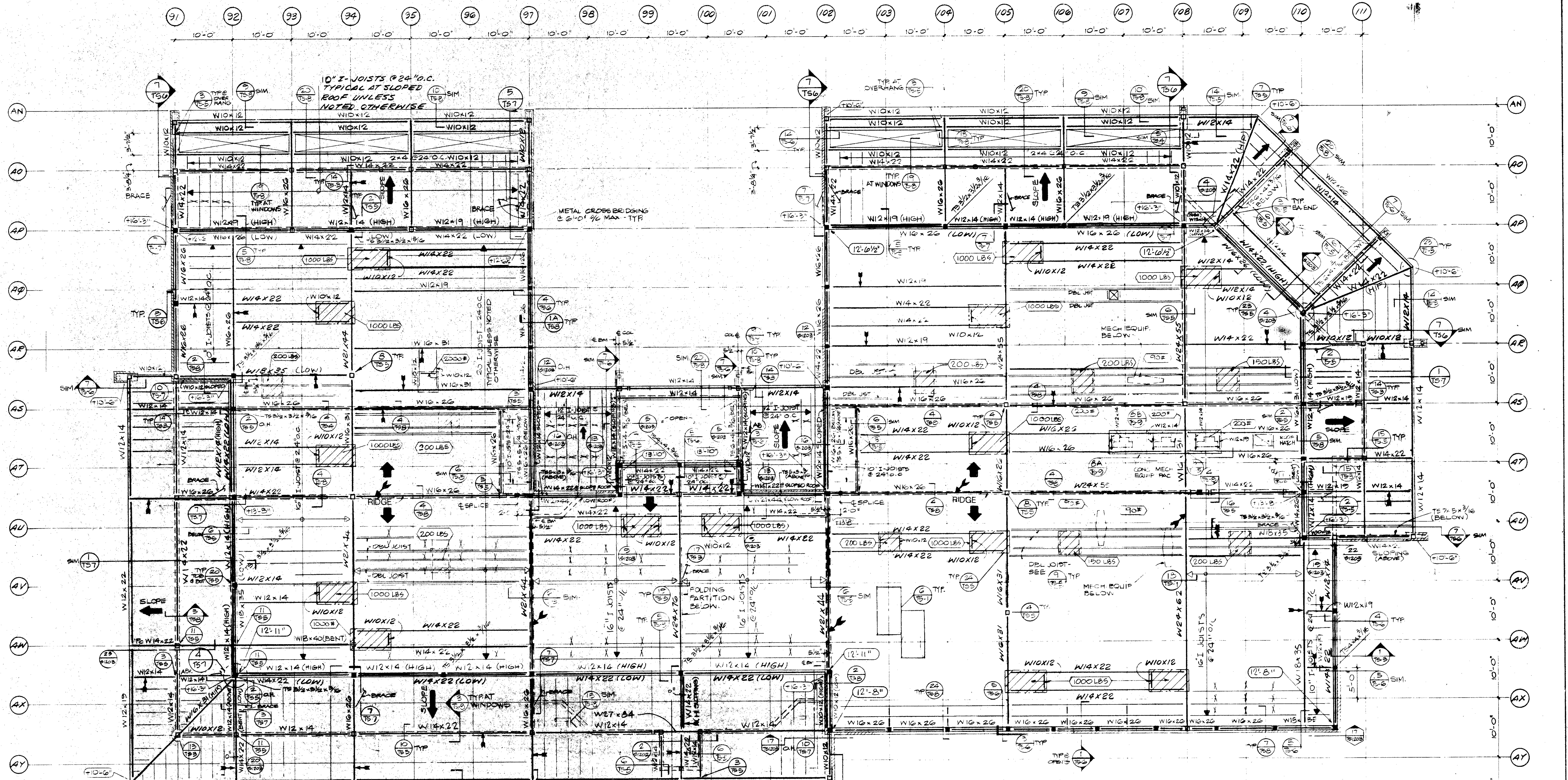
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107
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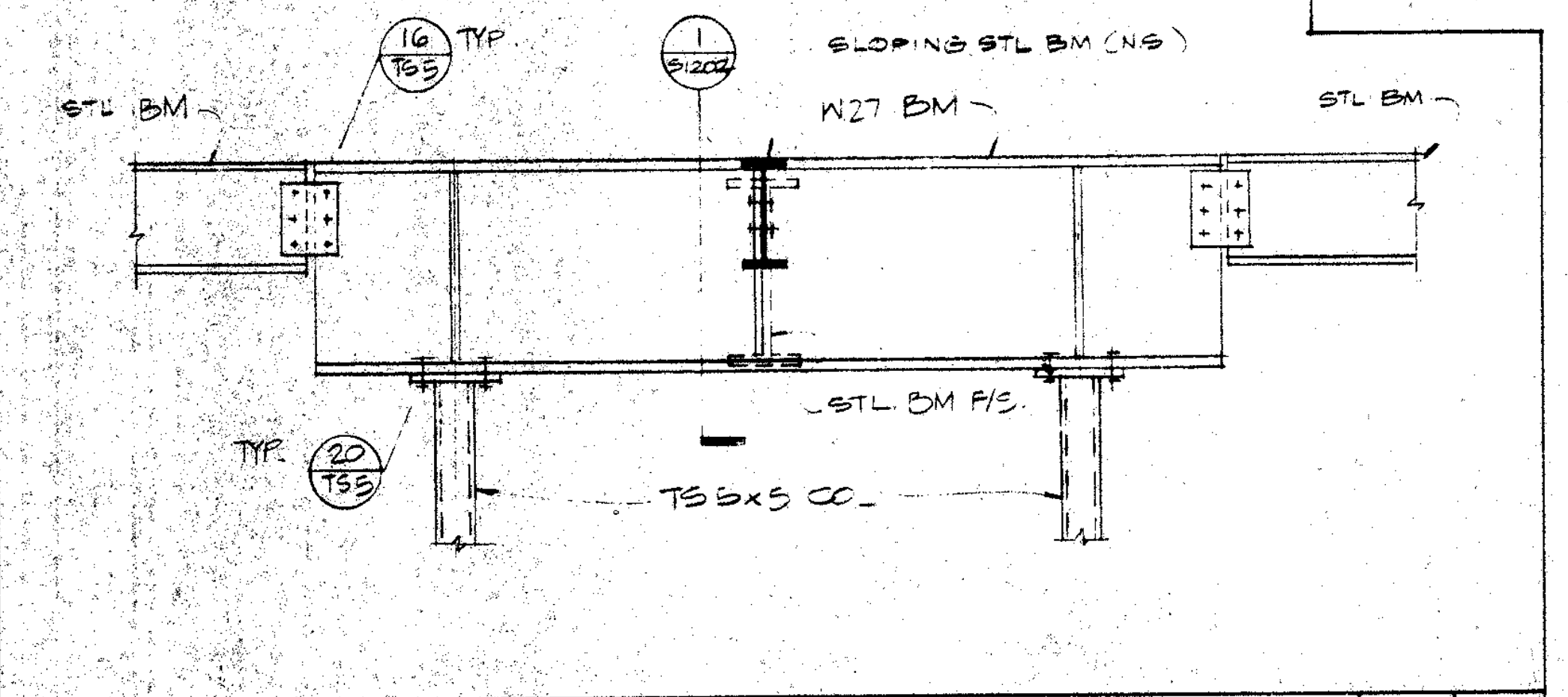
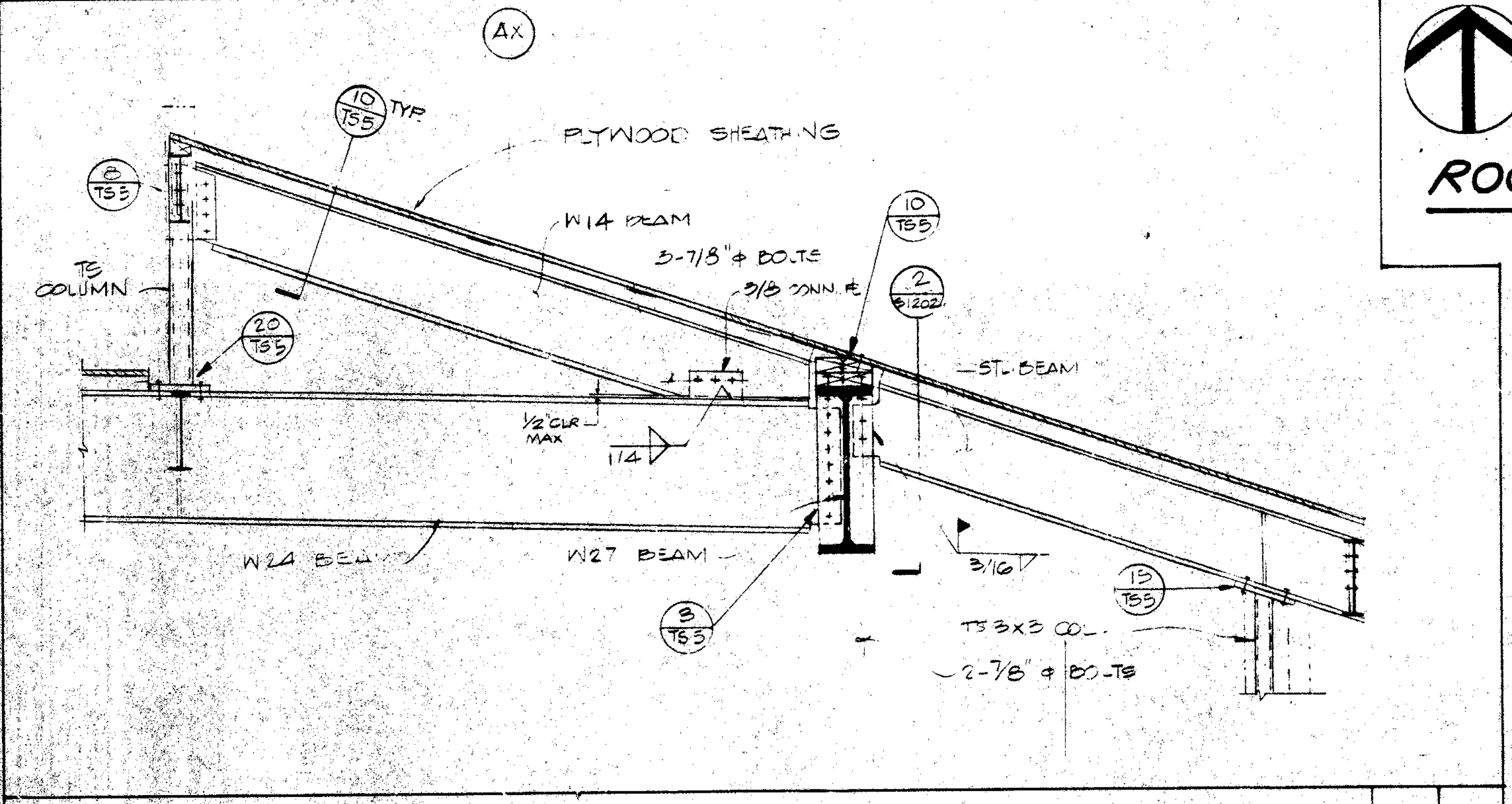
109
110
111
10'-0"
AN
AO
AP
AQ
AR
AS
AT
AU
AV
AW
AX
AY
AZ
10" I-JOISTS @ 24" O.C.
TYPICAL AT SLOPED
ROOF UNLESS
NOTED OTHERWISE
METAL CROSS BRIDGING
@ 6'-0" O/C MAX - TYP
W10x12
W14x22
W16x26 (LOW)
W12x19 (HIGH)
W12x14 (HIGH)
W14x22 (LOW)
1000 LBS
200 LBS
RIDGE
SLOPE
BRACE
TYP AT WINDOWS
MECH EQUIP BELOW
FOLDING PARTITION BELOW
TYP AT MANSARD ROOF U.N.O.
TYP @ PERIMETER OF BLDG

ROOF FRAMING PLAN

SCALE 1/8" = 1'-0"


16
TS5
TYP
1
S1202
SLOPING STL BM (NS)
STL BM
W27 BM
STL BM
STL BM F/S
TYP
20
TS5
TS 5x5 COL
AX
AY

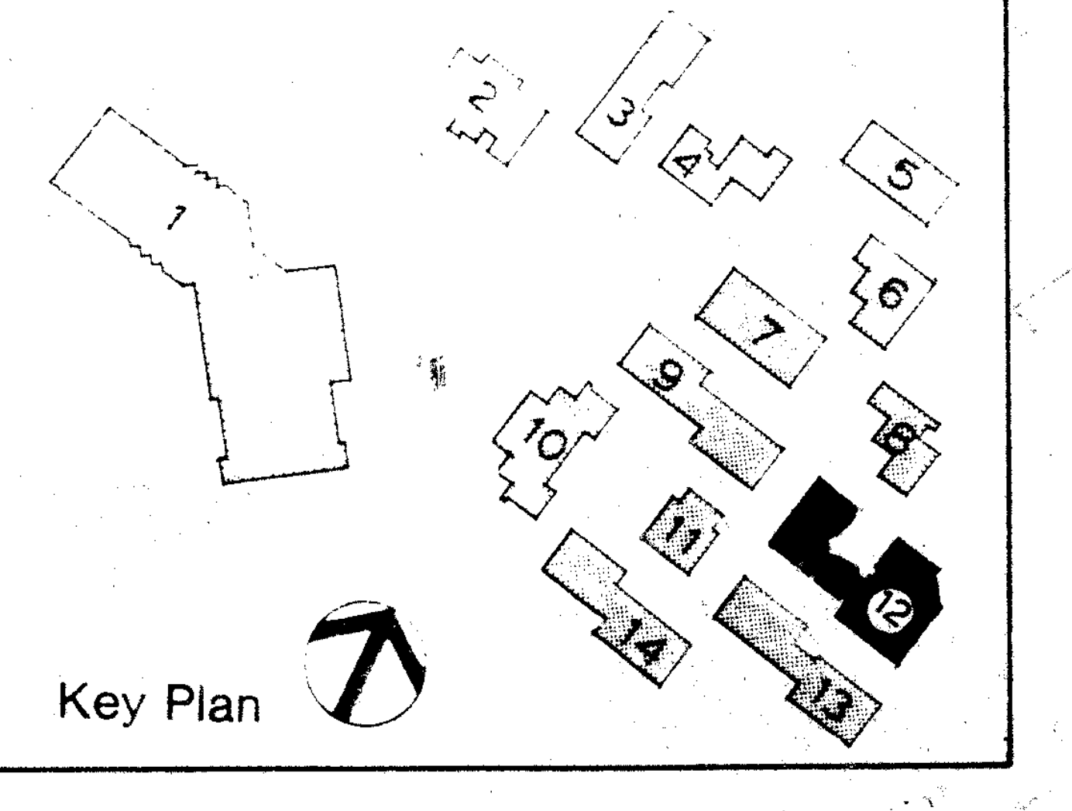
DETAIL 1/2" 2


AX
10
TS5
TYP
PLYWOOD SHEATHING
8
TS5
TS COLUMN
W14 BEAM
3-7/8"ϕ BOLTS
3/8 CONN. ℙ
10
TS5
2
S1202
20
TS5
ST. BEAM
1/2" CLR MAX
1/4
W24 BEAM
W27 BEAM
3/16
8
TS5
15
TS5
TS 3x3 COL
2-7/8"ϕ BOLTS

DETAIL 1/2" 1

ROOF FRAMING PLAN NOTES:

1. TYPICAL ROOF SHEATHING - 1/2" THICK PLYWOOD, U.N.O., SEE 6/TS1.
2. PROVIDE METAL CROSS BRIDGING BETWEEN PLYWOOD WEB JOIST PER 23/TS1, MAXIMUM SPACING AT 6'-0" O.C.
3. ⬭ INDICATES TOP OF PLYWOOD SHEATHING ELEVATION ABOVE FINISH FLOOR ELEVATION.
4. ⬚ INDICATES MECHANICAL EQUIPMENT, FOR SUPPORT FRAMING SEE DETAIL 9/TS5.
⬡ INDICATES MAXIMUM OPERATING WEIGHT.
5. ◀◀ INDICATES 2-ROWS OF BOUNDARY NAILING REQUIRED.
6. —■— INDICATES STACKED COLUMN. TS3½ x 3½ x 3/16 TYPICAL, U.N.O.
—■— INDICATES THRU COL.
—⊟— INDICATES COL. STOPPING AT BOTTOM OF BEAM.
—□— INDICATES COL STOPPING AT TOP OF BEAM.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Key Plan

Drawn By KW
Checked By SRLI
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Commission No 13002

Revisions

Brandow & Johnston Assoc.
Structural Engineers
Mamoru E. Kanda

No 956
EXP 12-31-88

Architects Planners
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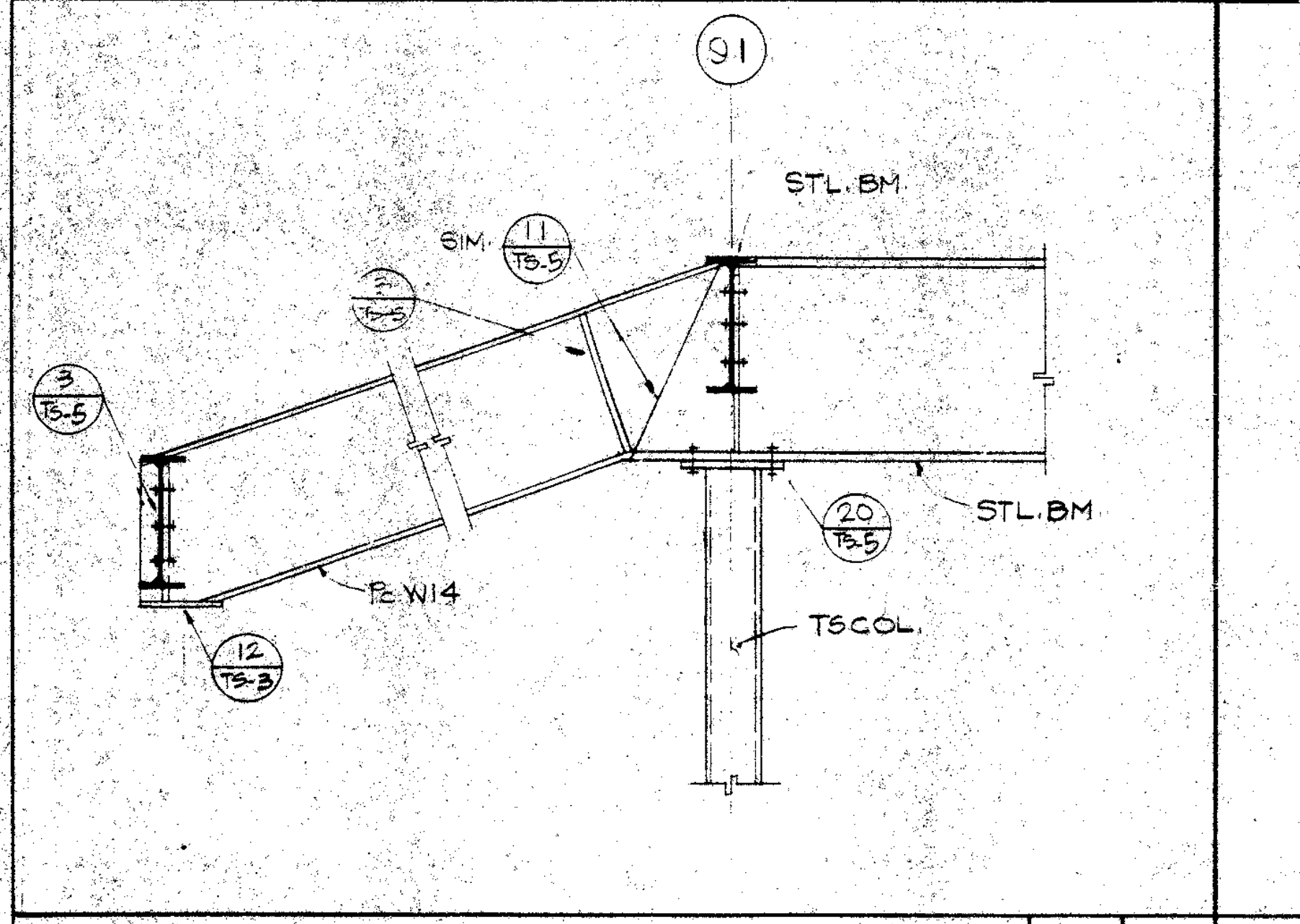
ARCHITECT
C-6497

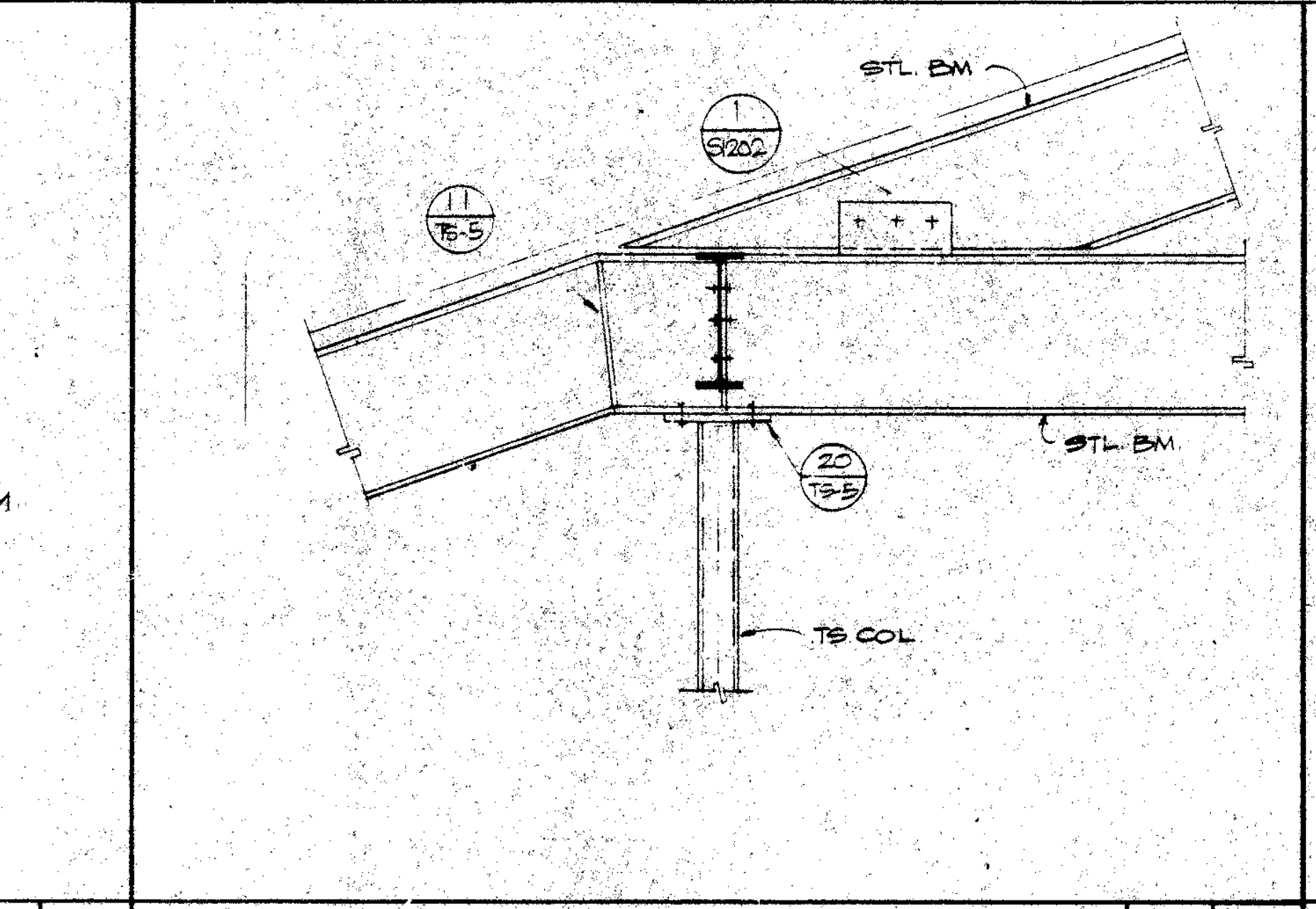
West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

Science - Bldg. No.12
Roof Framing Plan

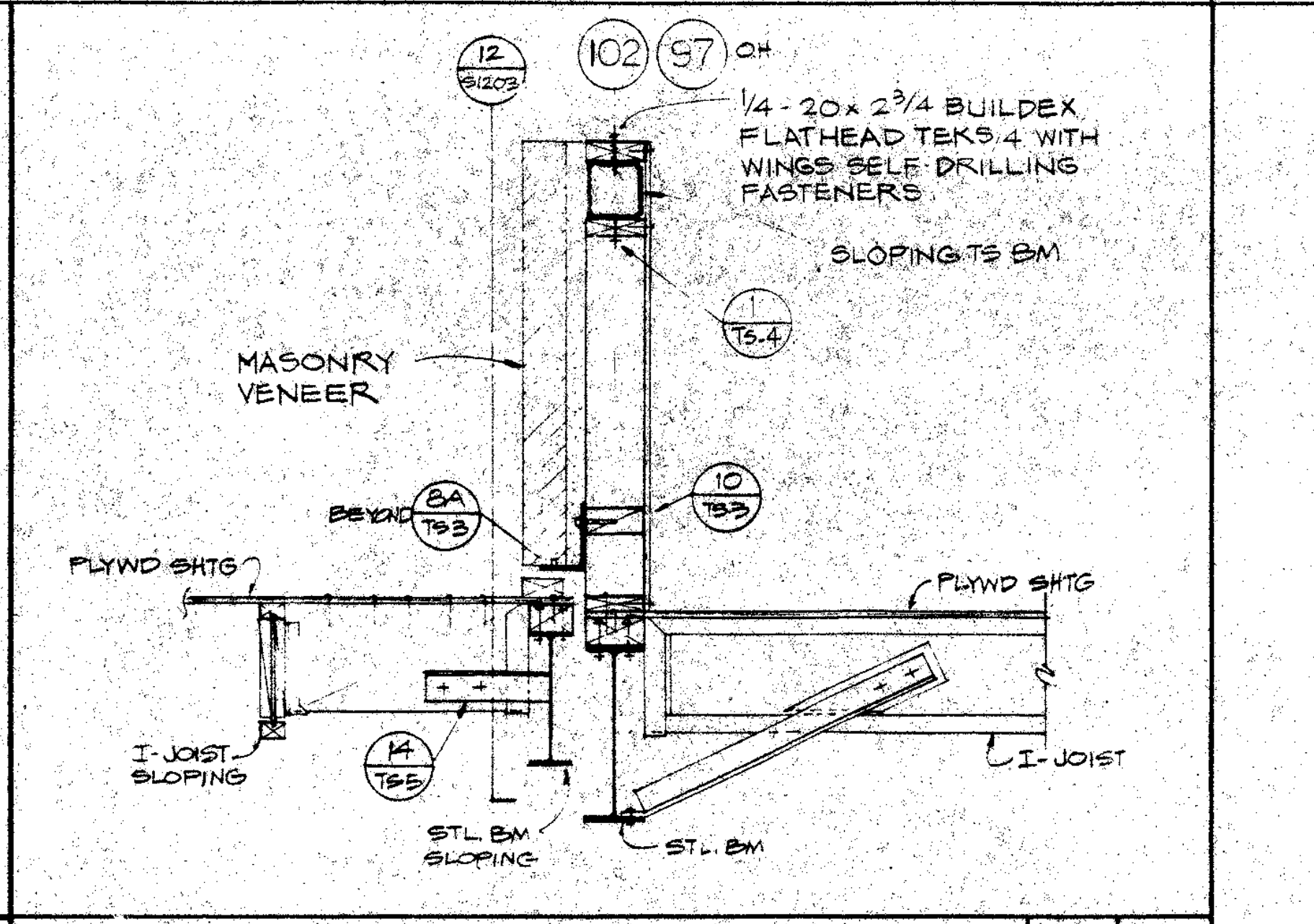
Sheet Number
S1202
Of Sheets


91
STL. BM.
SIM.
TS COL.
STL. BM.
TS W14

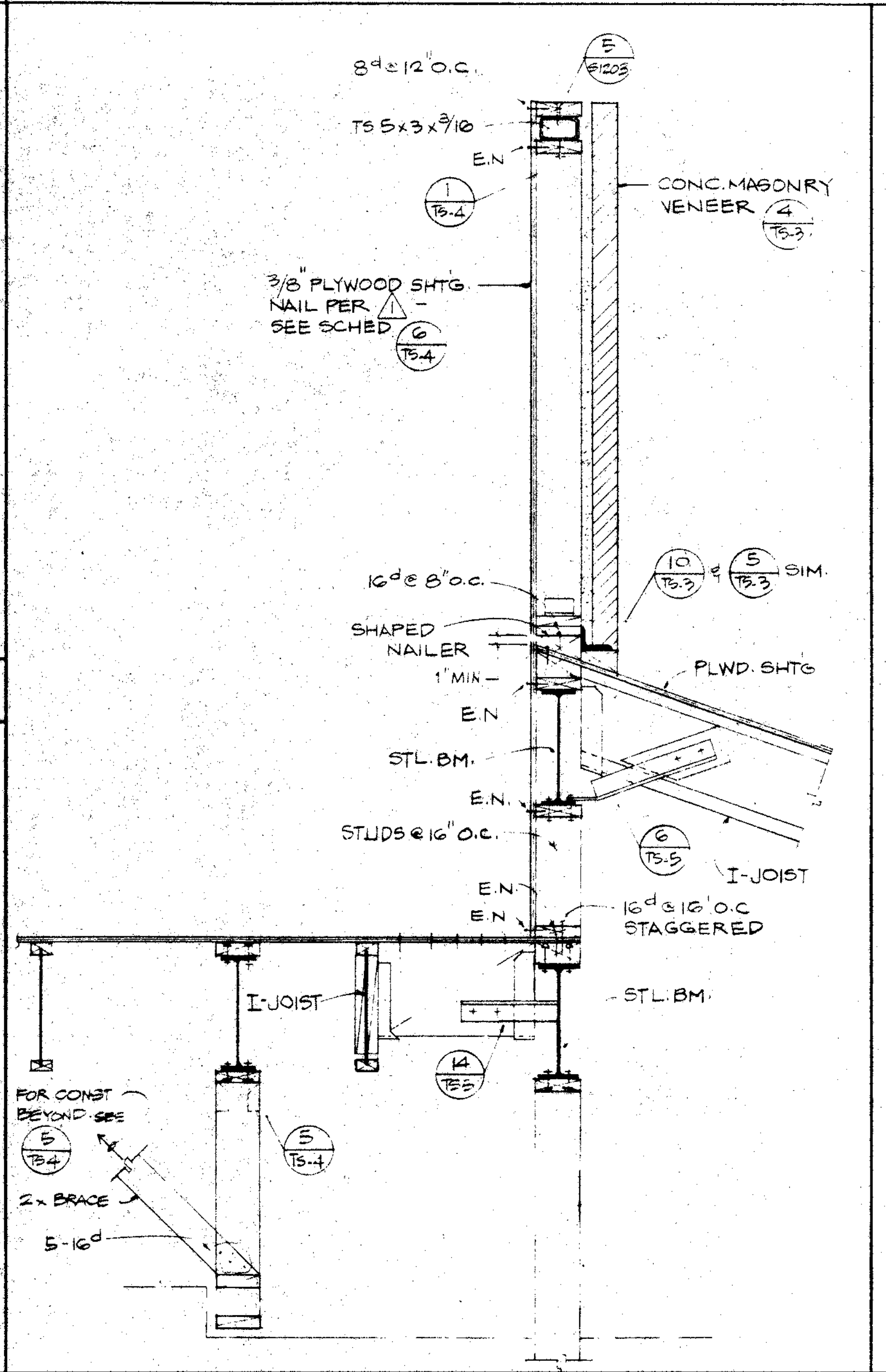
DETAIL 3/4" 23


STL. BM.
STL. BM.
TS COL.

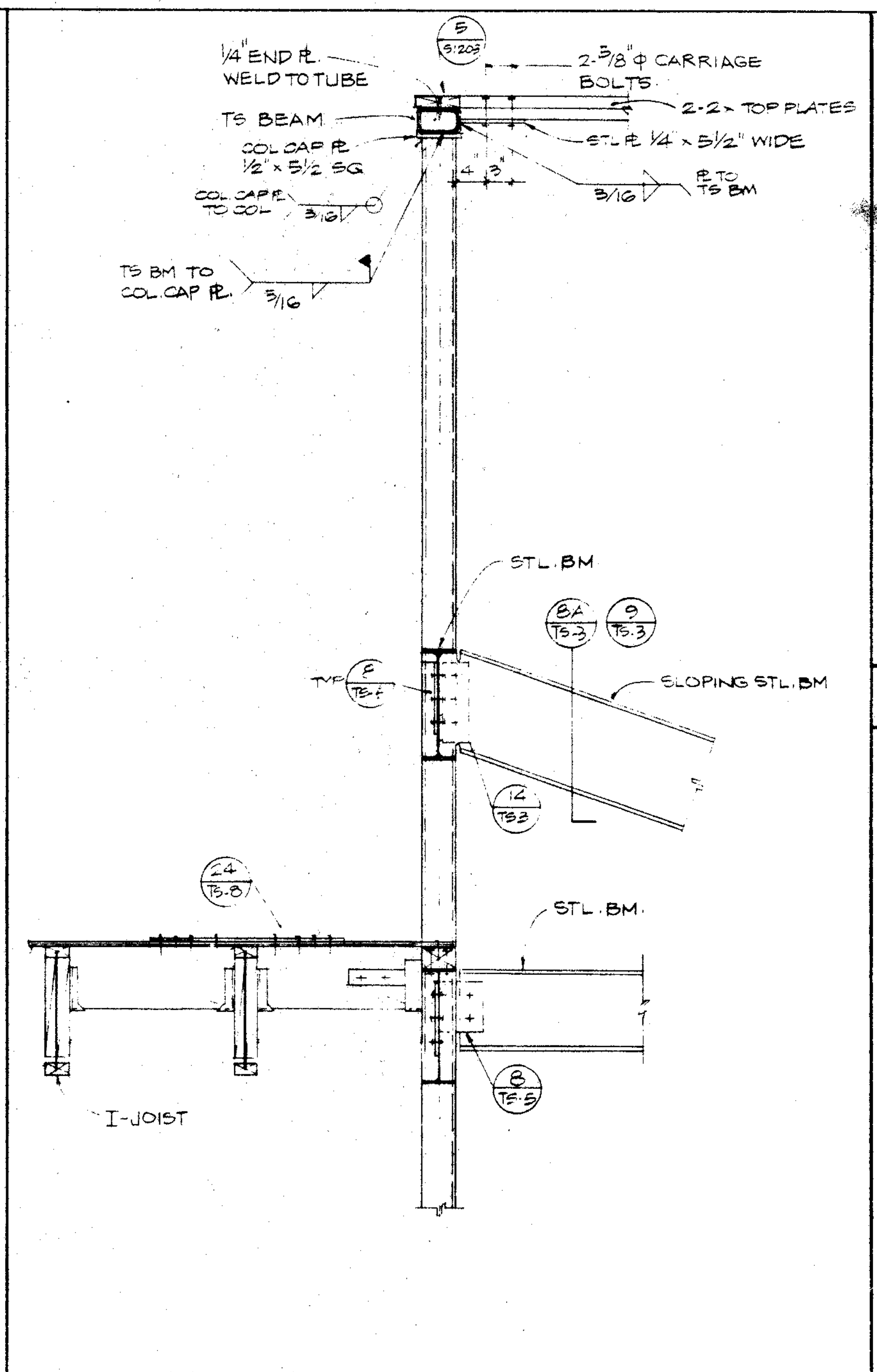
DETAIL 3/4" 20


102
97
1/4 - 20 x 2 3/4 BUILDEX FLATHEAD TEKS 4 WITH WINGS SELF DRILLING FASTENERS
SLOPING TS BM.
MASONRY VENEER
PLYWD SHTG
PLYWD SHTG
I-JOIST SLOPING
STL. BM. SLOPING
STL. BM.
I-JOIST

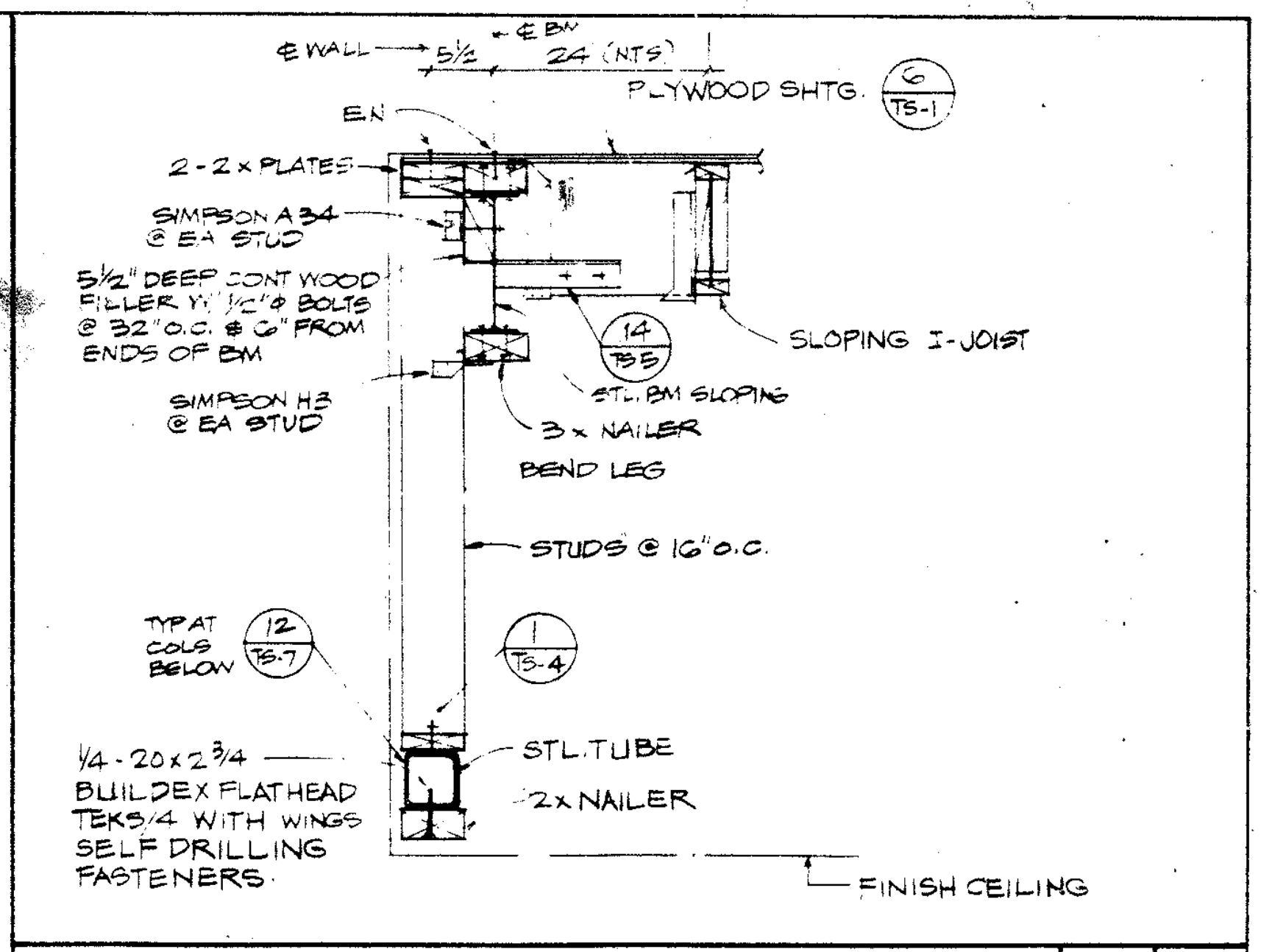
SECTION 3/4" 16


8d @ 12" O.C.
TS 5 x 3 x 3/16
E.N.
CONC. MASONRY VENEER
3/8 PLYWOOD SHTG NAIL PER SEE SCHED
16d @ 8" O.C.
SHAPED NAILER 1" MIN.
E.N.
STL. BM.
E.N.
STUDS @ 16" O.C.
PLWD. SHTG
SIM.
I-JOIST
E.N.
16d @ 16" O.C. STAGGERED
STL. BM.
I-JOIST
FOR CONST. BEYOND SEE
2x BRACE
5-16d

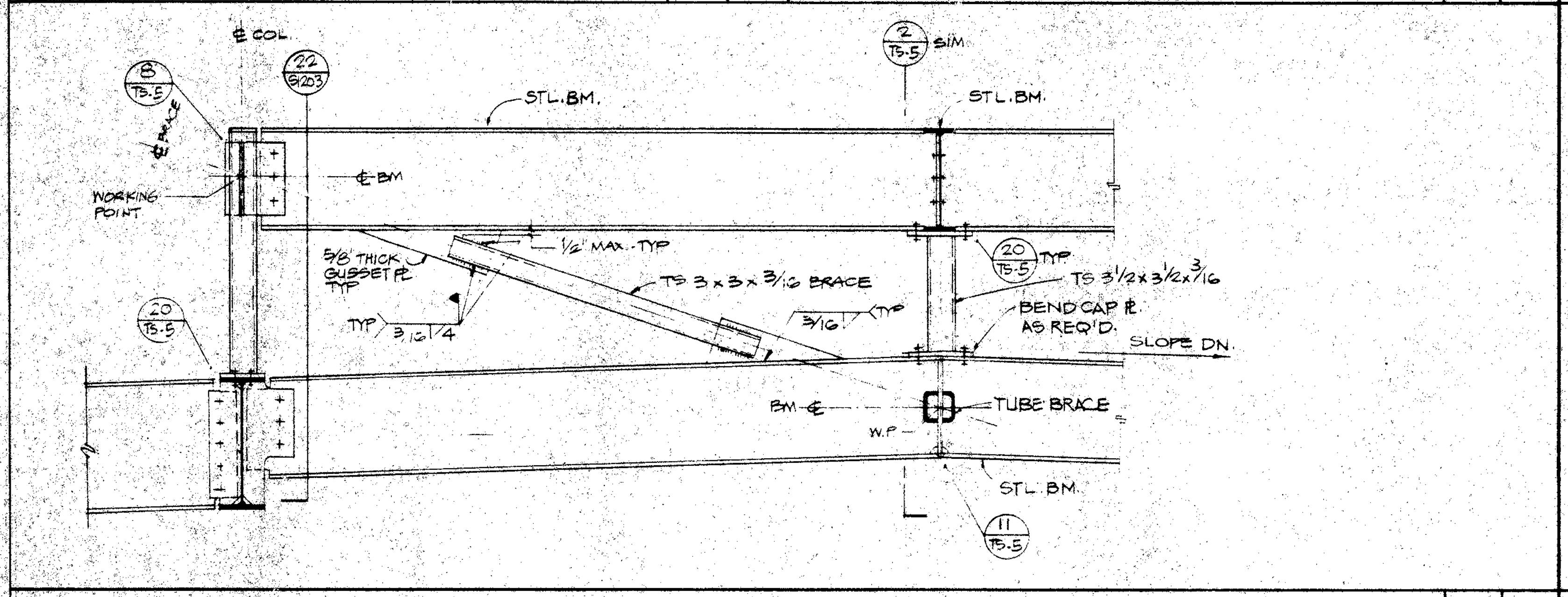
SECTION 3/4" 13


1/4" END PL WELD TO TUBE
2-5/8" CARRIAGE BOLTS
TS BEAM
2-2x TOP PLATES
COL CAP PL 1/2 x 5 1/2 SG
STL PL 1/4 x 5 1/2" WIDE
TS BM TO COL CAP PL
STL. BM.
SLOPING STL. BM.
STL. BM.
I-JOIST

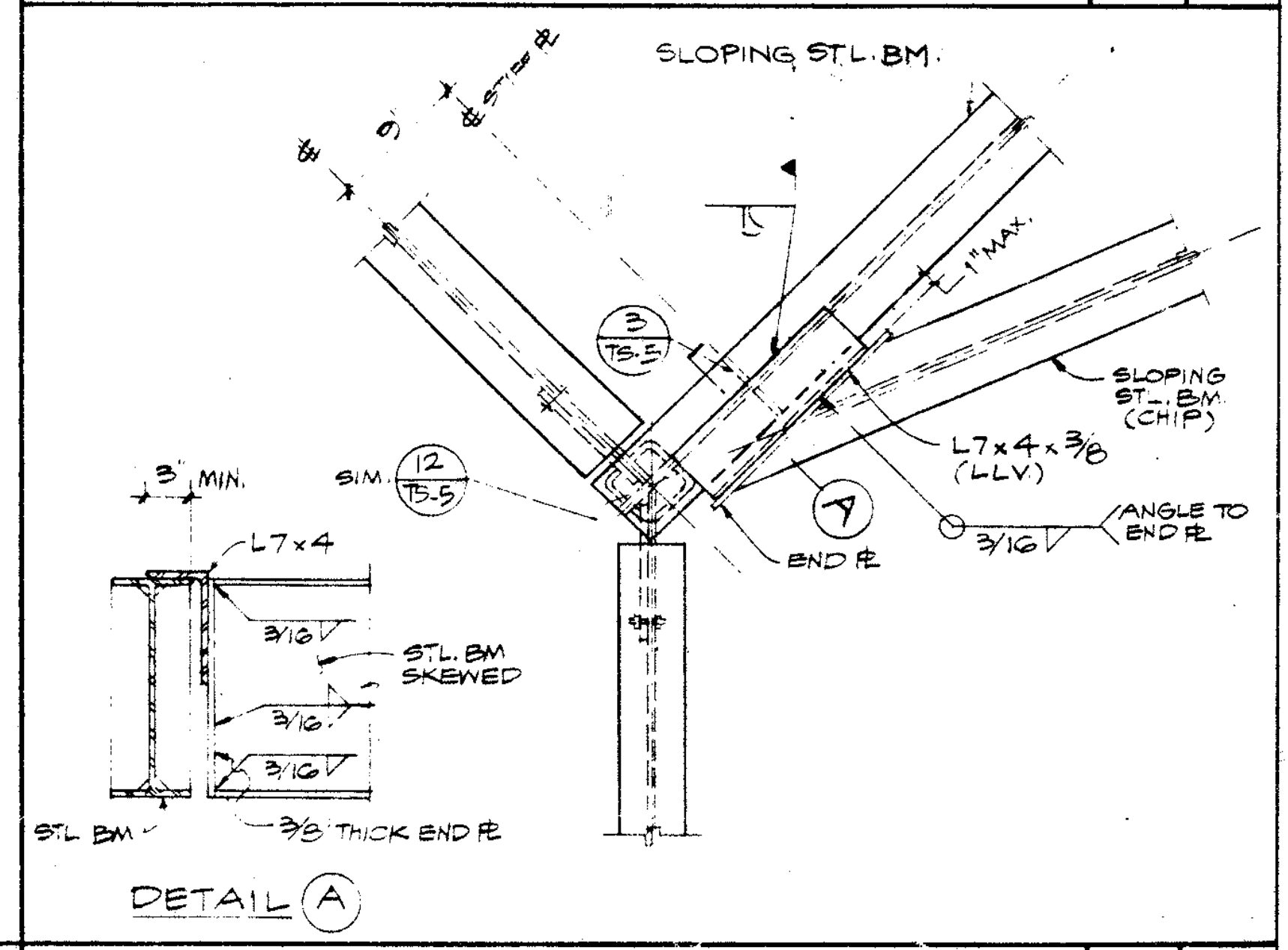
DETAIL 3/4" 9


PLYWOOD SHTG
2-2x PLATES
SIMPSON A34 @ EA STUD
5 1/2" DEEP CONT WOOD FILLER
SLOPING I-JOIST
SIMPSON H8 @ EA STUD
3x NAILER
BEND LEG
STUDS @ 16" O.C.
TYP AT COLS BELOW
STL. TUBE
2x NAILER
1/4 - 20 x 2 3/4 BUILDEX FLATHEAD TEKS/4 WITH WINGS SELF DRILLING FASTENERS
FINISH CEILING

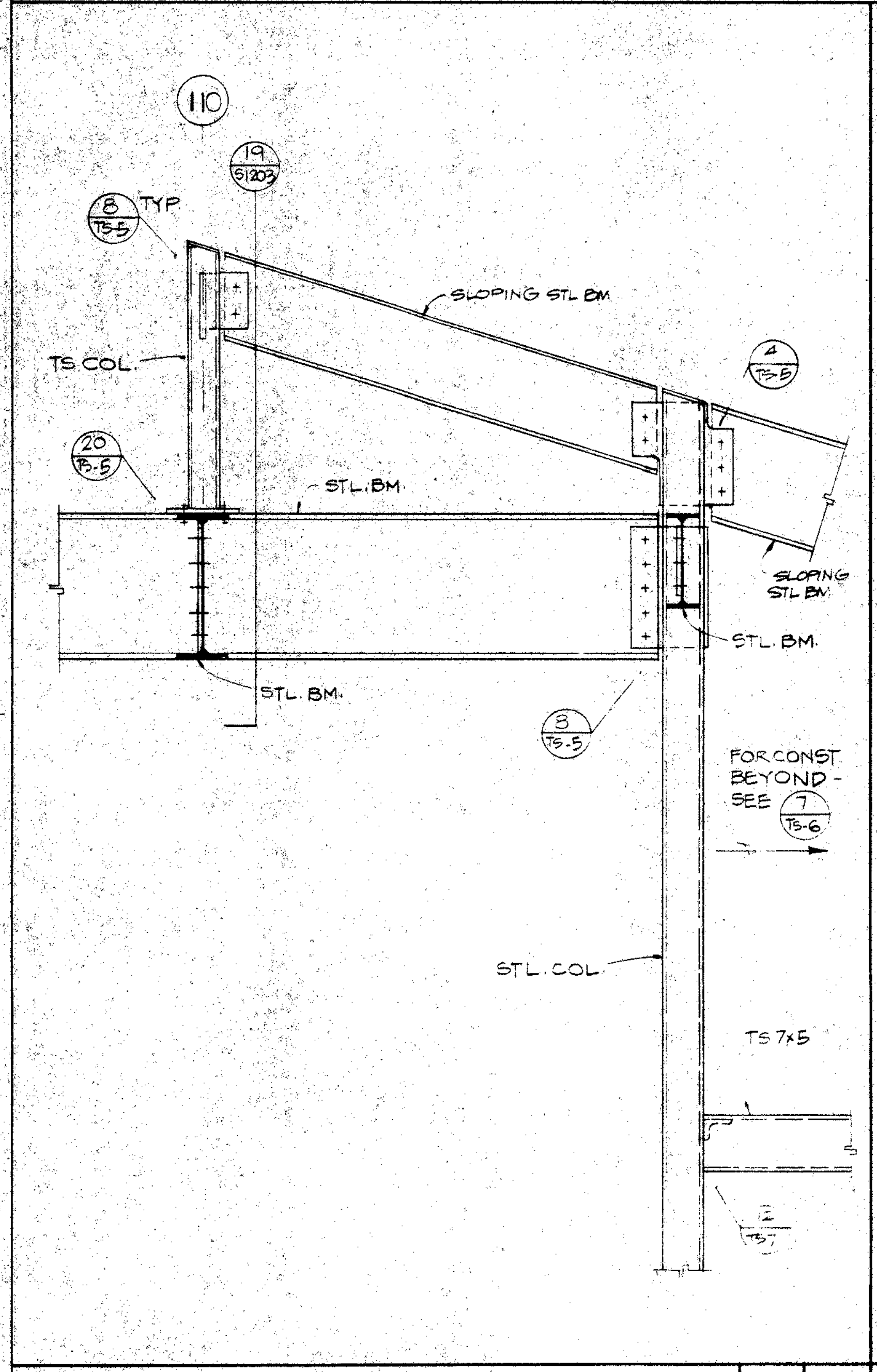
SECTION 3/4" 5


℄ COL.
STL. BM.
SIM.
STL. BM.
WORKING POINT
℄ BM
1/2" MAX. TYP
3/8 THICK GUSSET PL TYP
TS 3 x 3 x 3/16 BRACE
TS 3 1/2 x 3 1/2 x 3/16
BEND CAP PL AS REQ'D.
SLOPE DN.
BM. ℄
TUBE BRACE
W.P.
STL. BM.

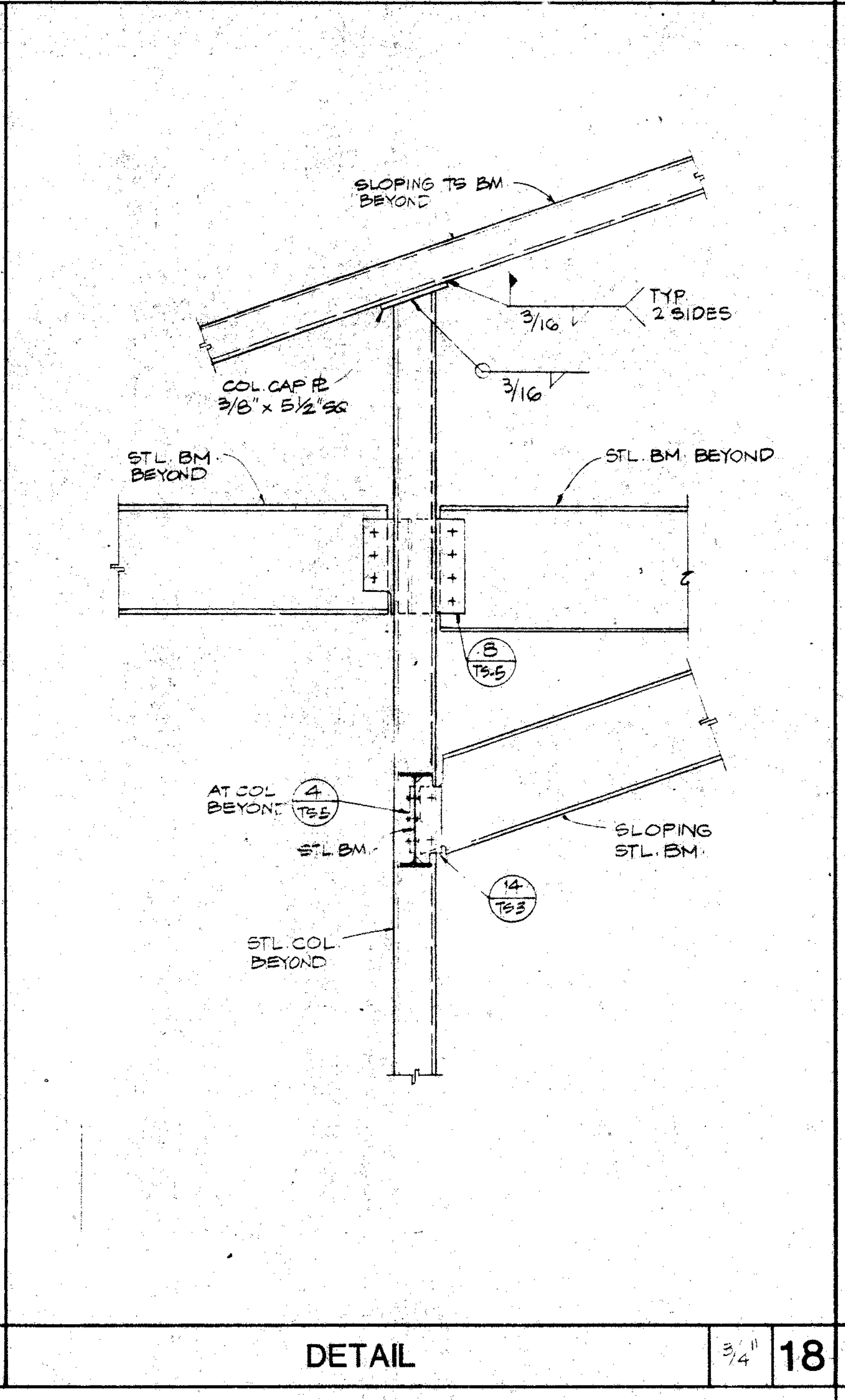
ELEVATION 3/4" 19


SLOPING STL. BM.
SLOPING ST. BM (CHIP)
L 7 x 4 x 3/8 (LLV)
ANGLE TO END PL
END PL
L 7 x 4
STL. BM SKEWED
STL. BM.
3/8 THICK END PL
DETAIL A

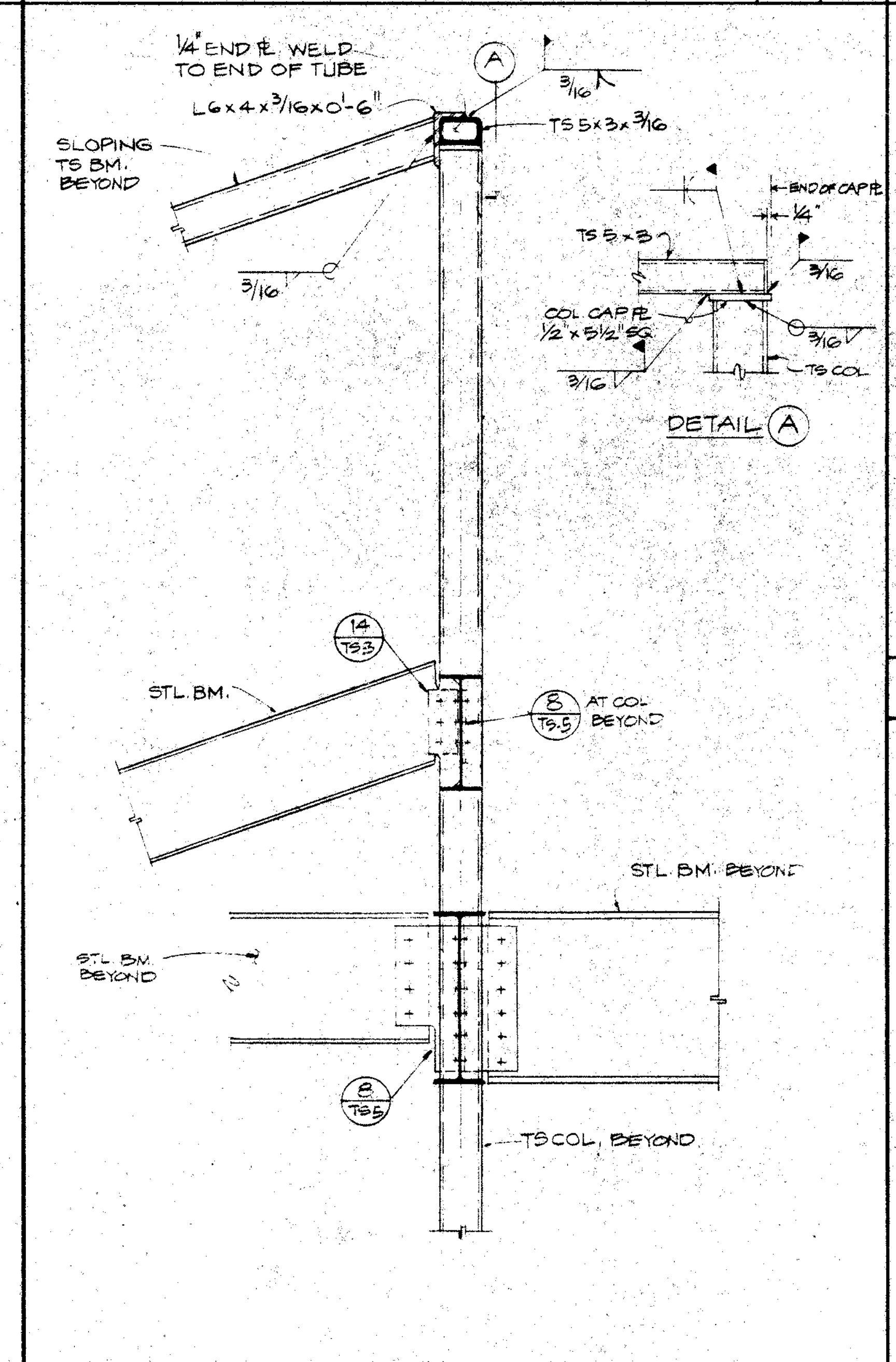
PLAN DETAIL 1' 4


110
TYP
SLOPING STL. BM.
TS COL.
STL. BM.
SLOPING STL. BM.
STL. BM.
STL. BM.
FOR CONST. BEYOND - SEE
STL. COL.
TS 7 x 5

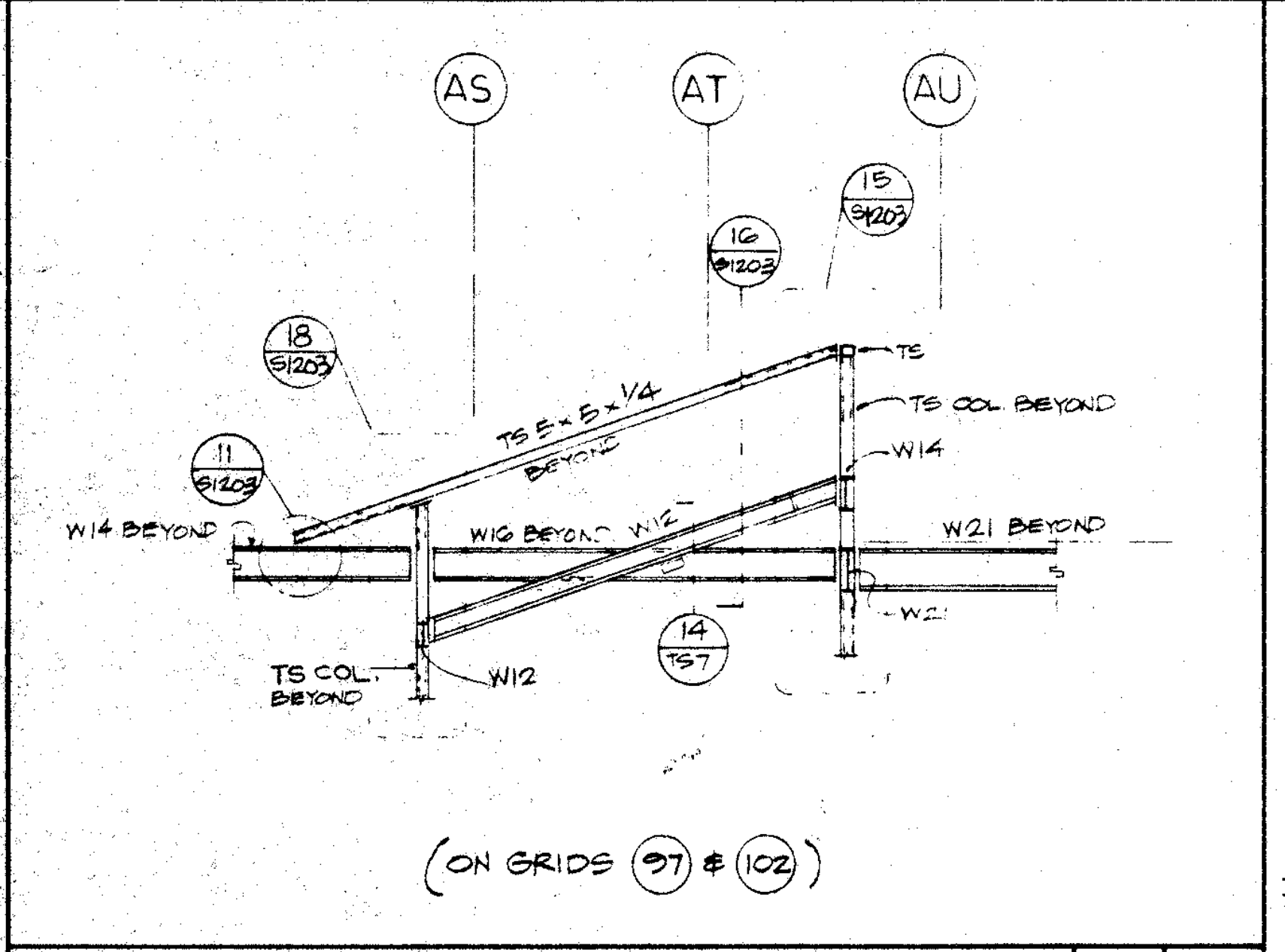
DETAIL 3/4" 22


SLOPING TS BM BEYOND
TYP 2 SIDES
COL CAP PL 3/8" x 5 1/2" SG
STL. BM. BEYOND
STL. BM. BEYOND
AT COL BEYOND
STL. BM.
SLOPING STL. BM.
STL. COL. BEYOND

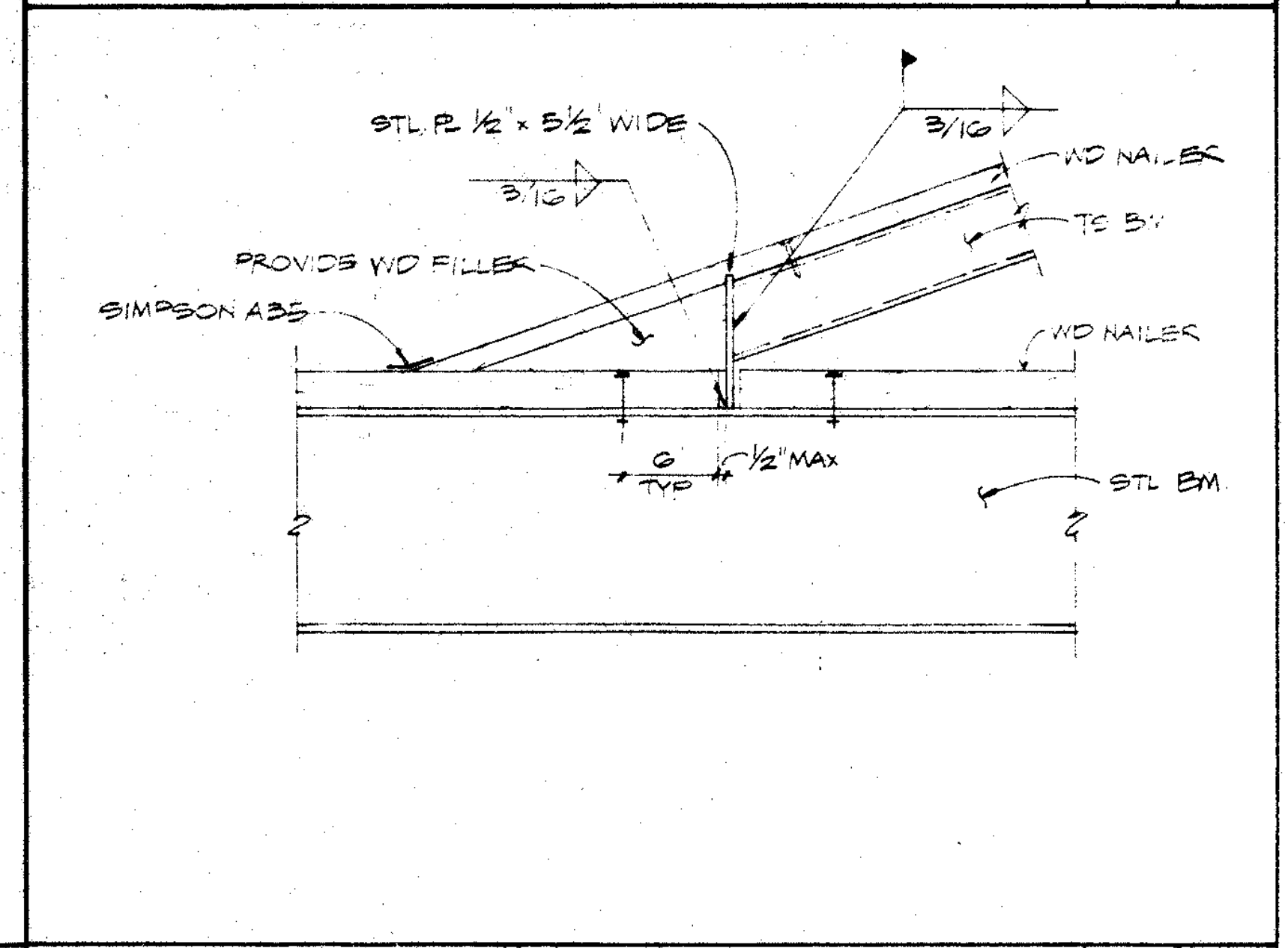
DETAIL 3/4" 18


1/4" END PL WELD TO END OF TUBE
L 6 x 4 x 3/16 x 0'-6"
SLOPING TS BM. BEYOND
TS 5 x 3 x 3/16
TS 5 x 3
COL CAP PL 1/2 x 5 1/2 SG
TS COL.
DETAIL A
STL. BM.
AT COL BEYOND
STL. BM. BEYOND
STL. BM. BEYOND
TS COL. BEYOND

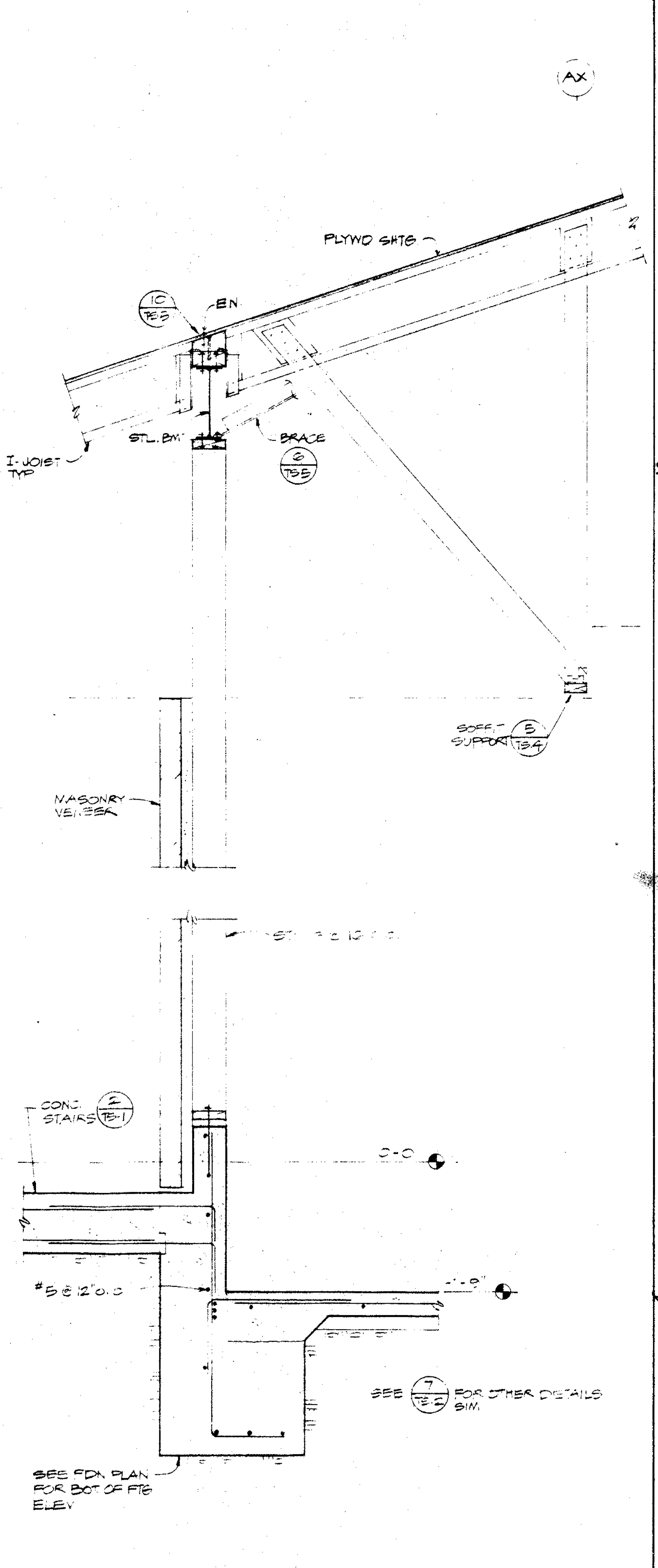
DETAIL 3/4" 15


AS
AT
AU
TS COL. BEYOND
W14
W14 BEYOND
W16 BEYOND
W21 BEYOND
TS COL. BEYOND
W12
(ON GRIDS 97 & 102)

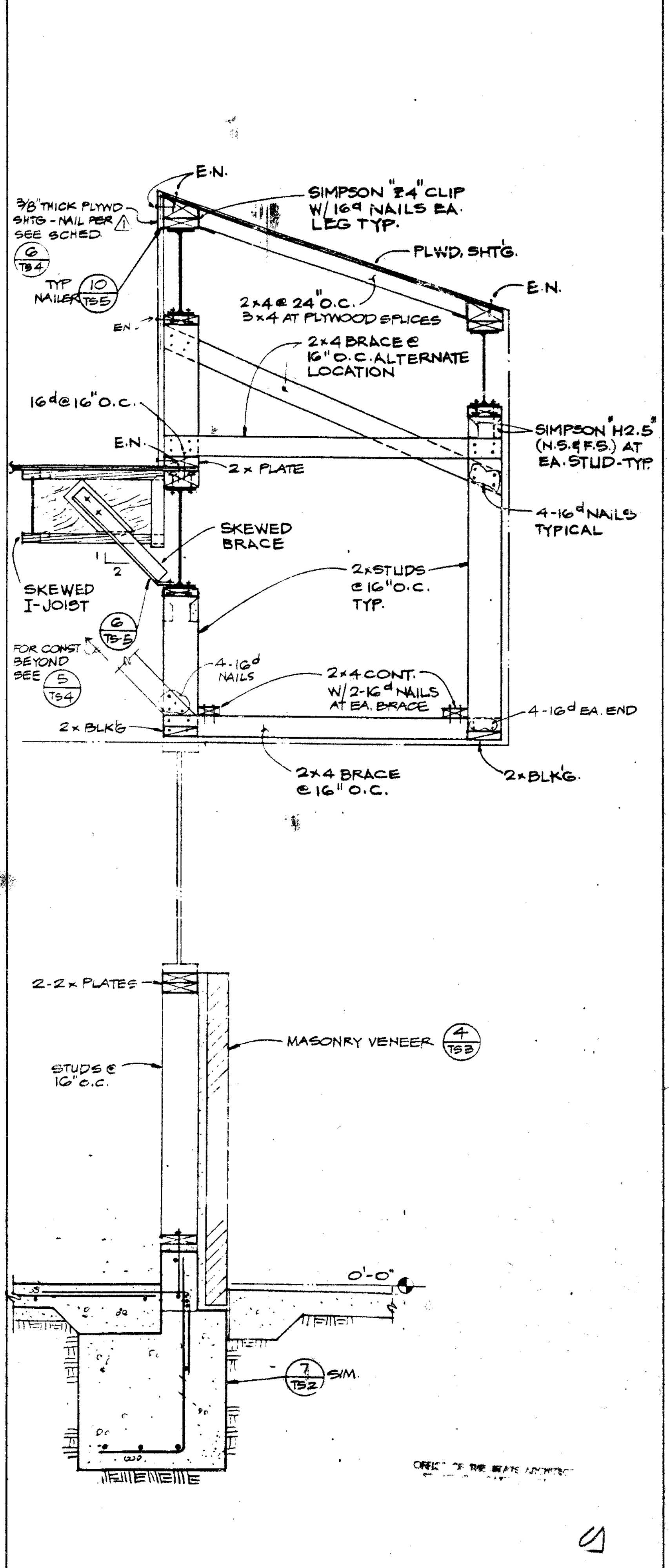
ELEVATION 1/2" 12


STL PL 1/2 x 5 1/2 WIDE
ND NAILER
PROVIDE WD FILLER
SIMPSON A35
ND NAILER
STL. BM.
1/2" MAX

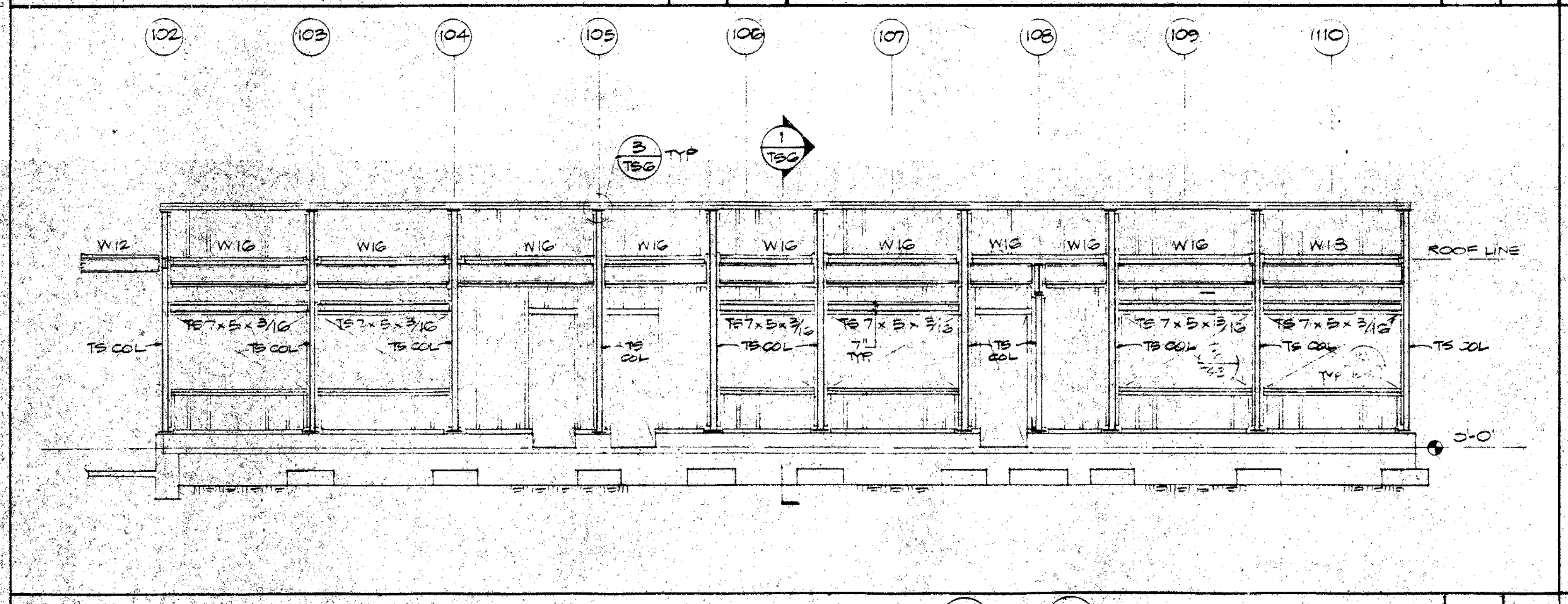
DETAIL 11


AX
PLYWD SHTG
E.N.
I-JOIST TYP
STL. BM.
BRACE
SOFFIT SUPPORT
MASONRY VENEER
CONC. STAIRS
SEE FDN. PLAN FOR BOT. OF FTG. ELEV.

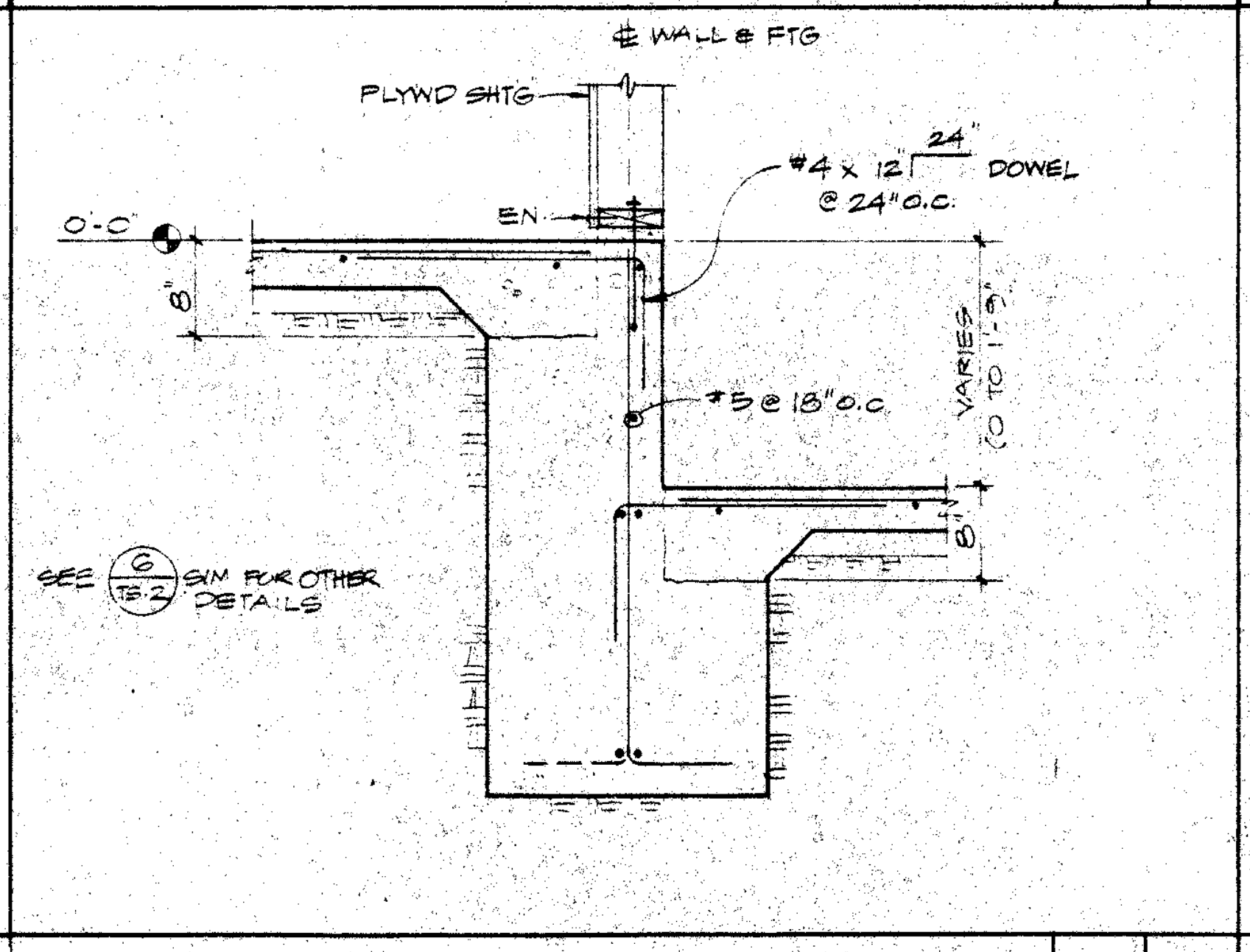
SECTION 3/4" 3


E.N.
3/8 THICK PLYWD SHTG - NAIL PER SEE SCHED
SIMPSON "L24" CLIP W/ 16d NAILS EA. LEG TYP.
PLWD. SHTG.
E.N.
TYP NAILER
2x4 @ 24" O.C. 3x4 AT PLYWOOD SPLICES
2x4 BRACE @ 16" O.C. ALTERNATE LOCATION
16d @ 16" O.C.
E.N.
SIMPSON "H2.5" (H.S.4 F.S.) AT EA. STUD - TYP.
2x PLATE
SKEWED BRACE
SKEWED I-JOIST
4-16d NAILS TYPICAL
2x STUDS @ 16" O.C. TYP.
4-16d NAILS
2x4 CONT. W/ 2-16d NAILS AT EA. BRACE
4-16d EA. END
2x BLKG
2x4 BRACE @ 16" O.C.
2x BLKG.
2-2x PLATES
STUDS @ 16" O.C.
MASONRY VENEER
0'-0"
SIM.

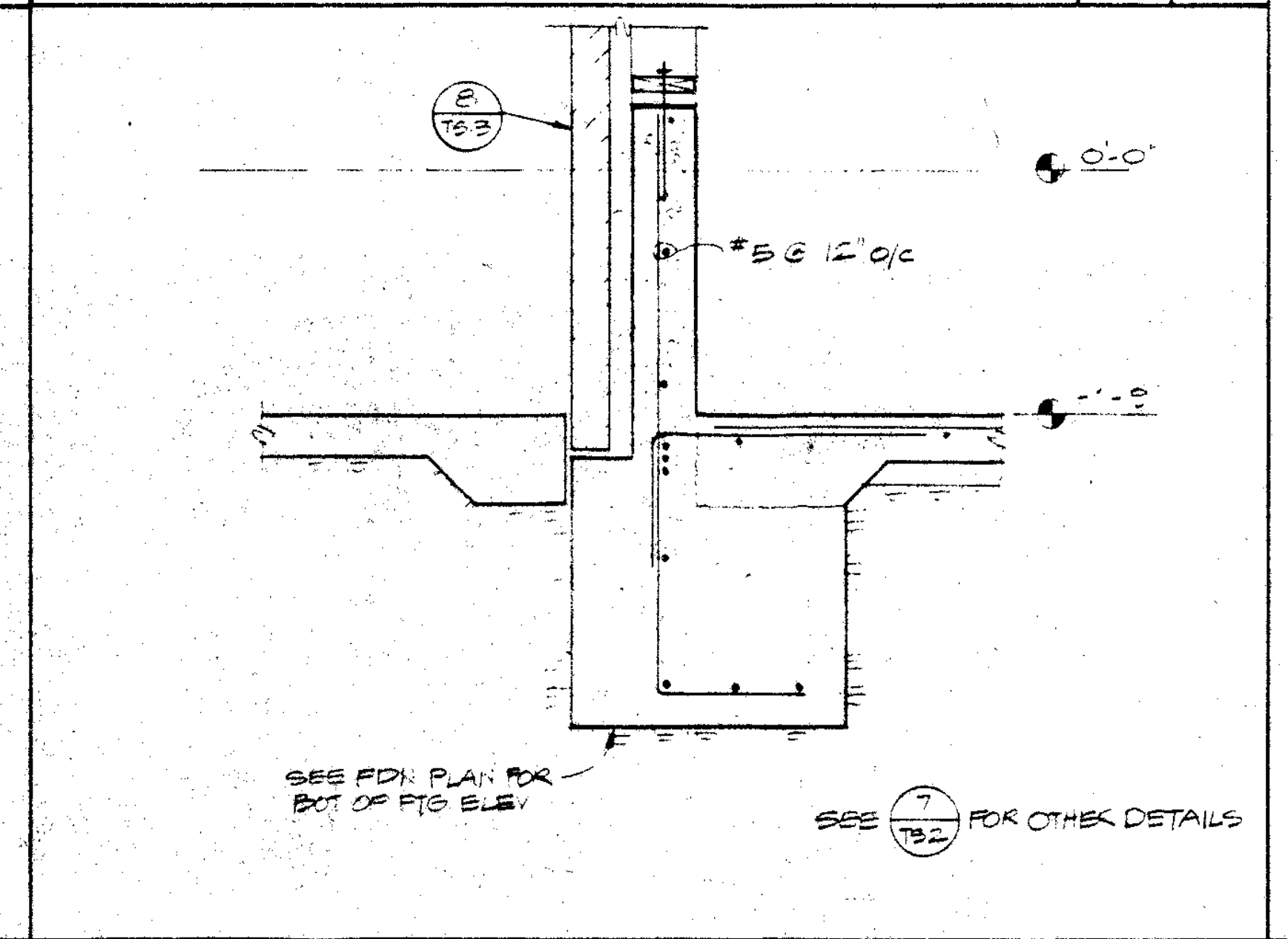
SECTION 3/4" 1


102
103
104
105
106
107
108
109
110
TYP
W12
W16
ROOF LINE
TS 7 x 5 x 3/16
TS COL.
TS COL.
0'-0"

STRUCTURAL ELEVATION (BTWN GRIDS AX & AY) 1/8" 17


℄ WALL & FTG
PLYWD SHTG
#4 x 12" 24" DOWEL @ 24" O.C.
0'-0"
E.N.
VARIES
#5 @ 18" O.C.
SEE SIM. FOR OTHER DETAILS

SECTION 3/4" 14


#5 @ 12" O.C.
0'-0"
SEE FDN. PLAN FOR BOT. OF FTG. ELEV.
SEE FOR OTHER DETAILS

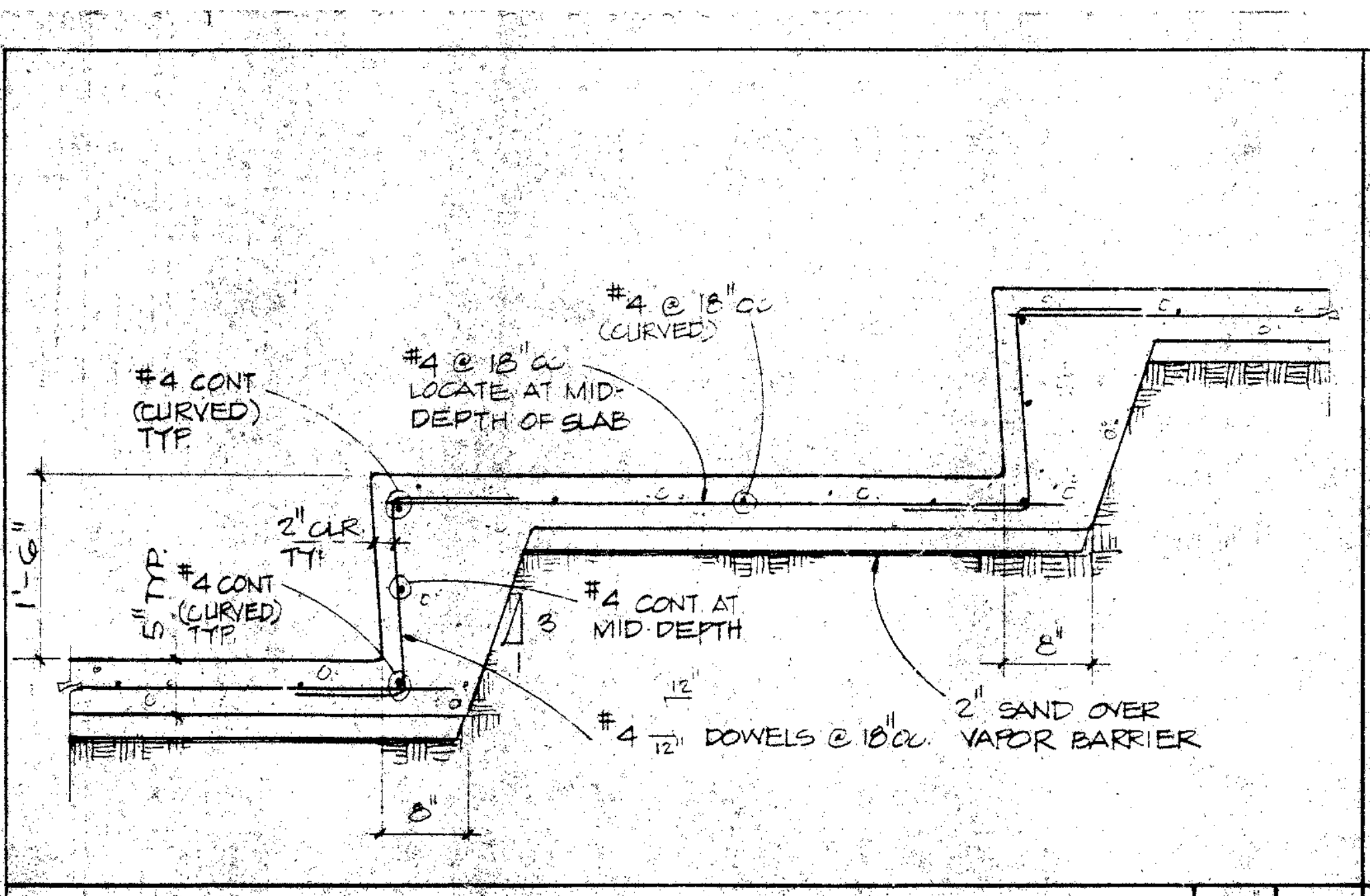
SECTION 3/4" 10

Drawn By M.N. Checked By S.R.J Date MAR 1988 Commission No. 130 02	Revisions	Brandow & Johnston Assoc. Structural Engineers	Architects Planners RUHNAU McGAVIN RUHNAU ASSOCIATES 3775 Tenth Street Riverside, CA 92501-3669 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-7255 619/438-5899	ARCHITECT C-6497	West Hills High School Grossmont Union High School District San Diego, Ca San Diego County

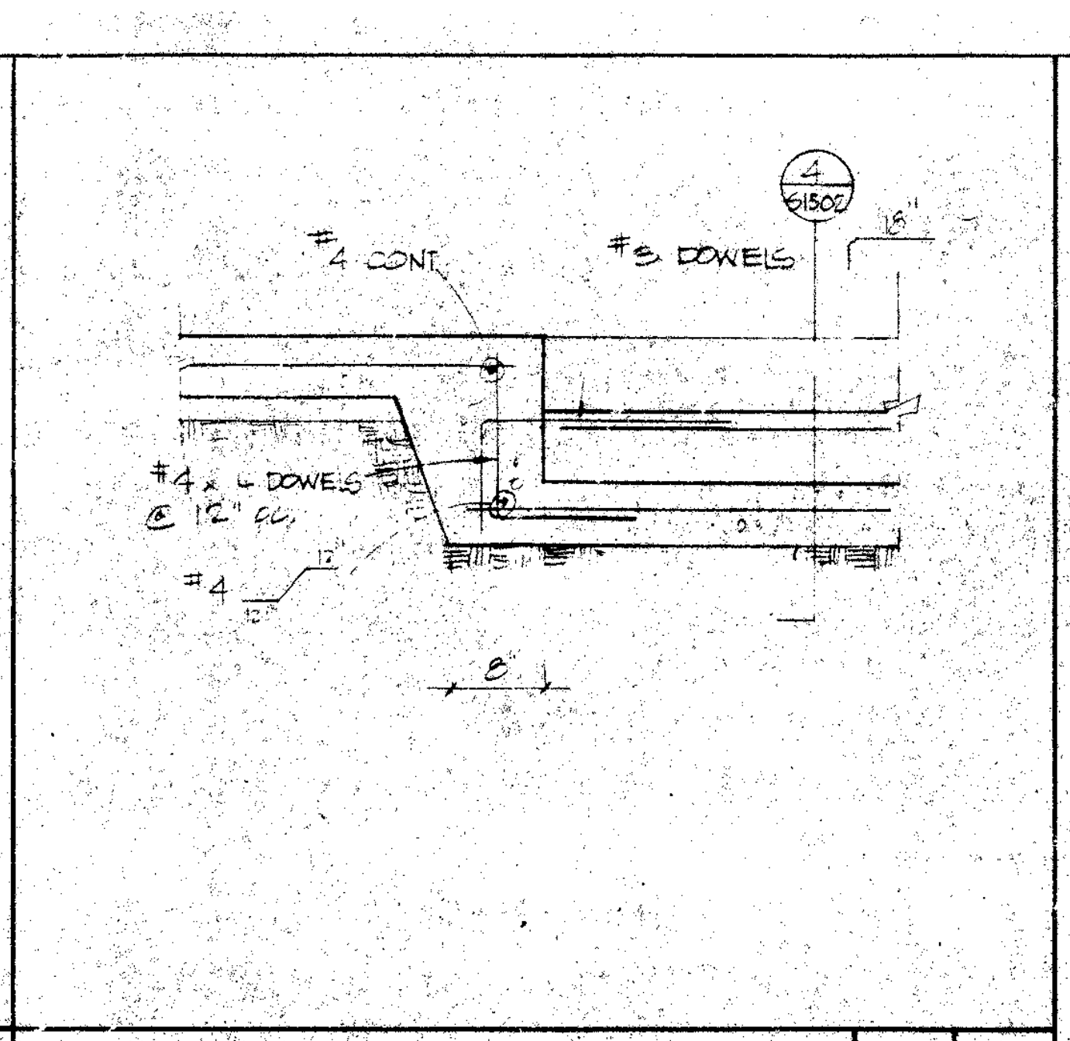
No. 956 Exp. 12-31-88

SCIENCE - BUILDING - No. 12
SECTIONS AND DETAILS

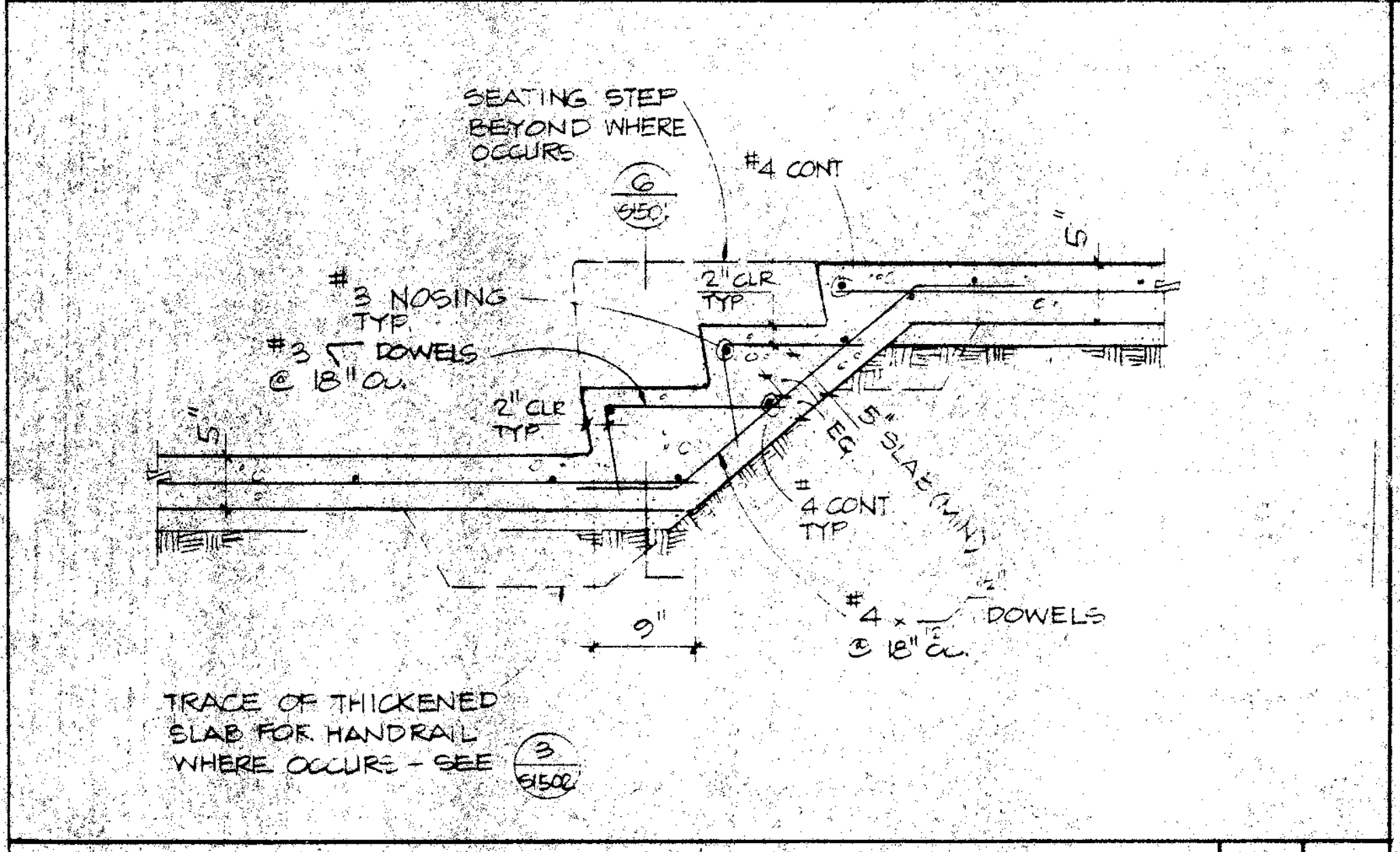
Sheet Number S1203
01 Sheets


#4 CONT (CURVED) TYP.
#4 @ 18" o.c. LOCATE AT MID-DEPTH OF SLAB
#4 @ 18" o.c. (CURVED)
2" CLR TYP.
#4 CONT (CURVED) TYP.
#4 CONT AT MID DEPTH
#4 DOWELS @ 18" o.c.
2" SAND OVER VAPOR BARRIER
1'-6"
8"

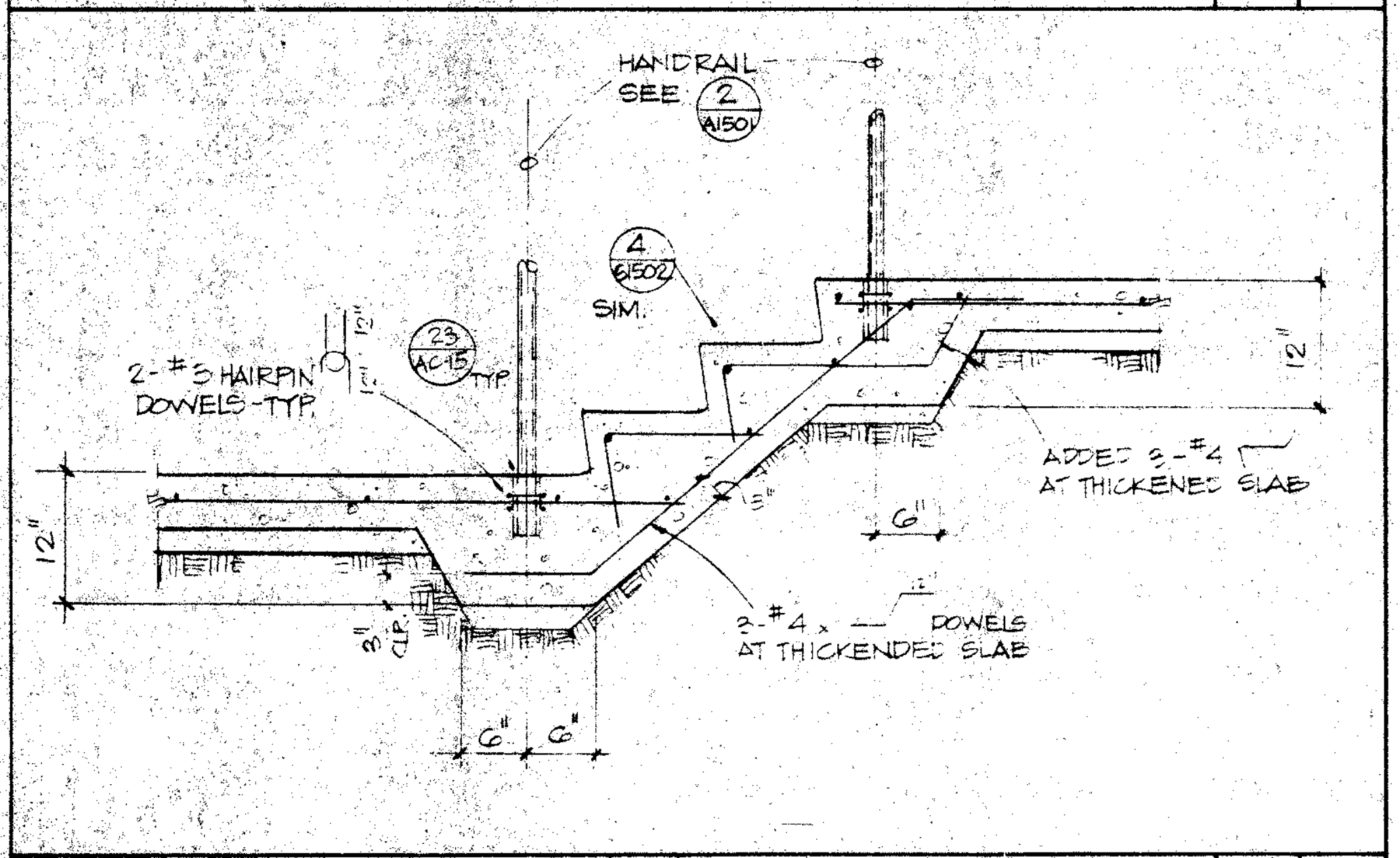
TYP. SEATING SECTION 5


#4 CONT.
#5 DOWELS
#4 DOWELS @ 12" o.c.
#4
8"

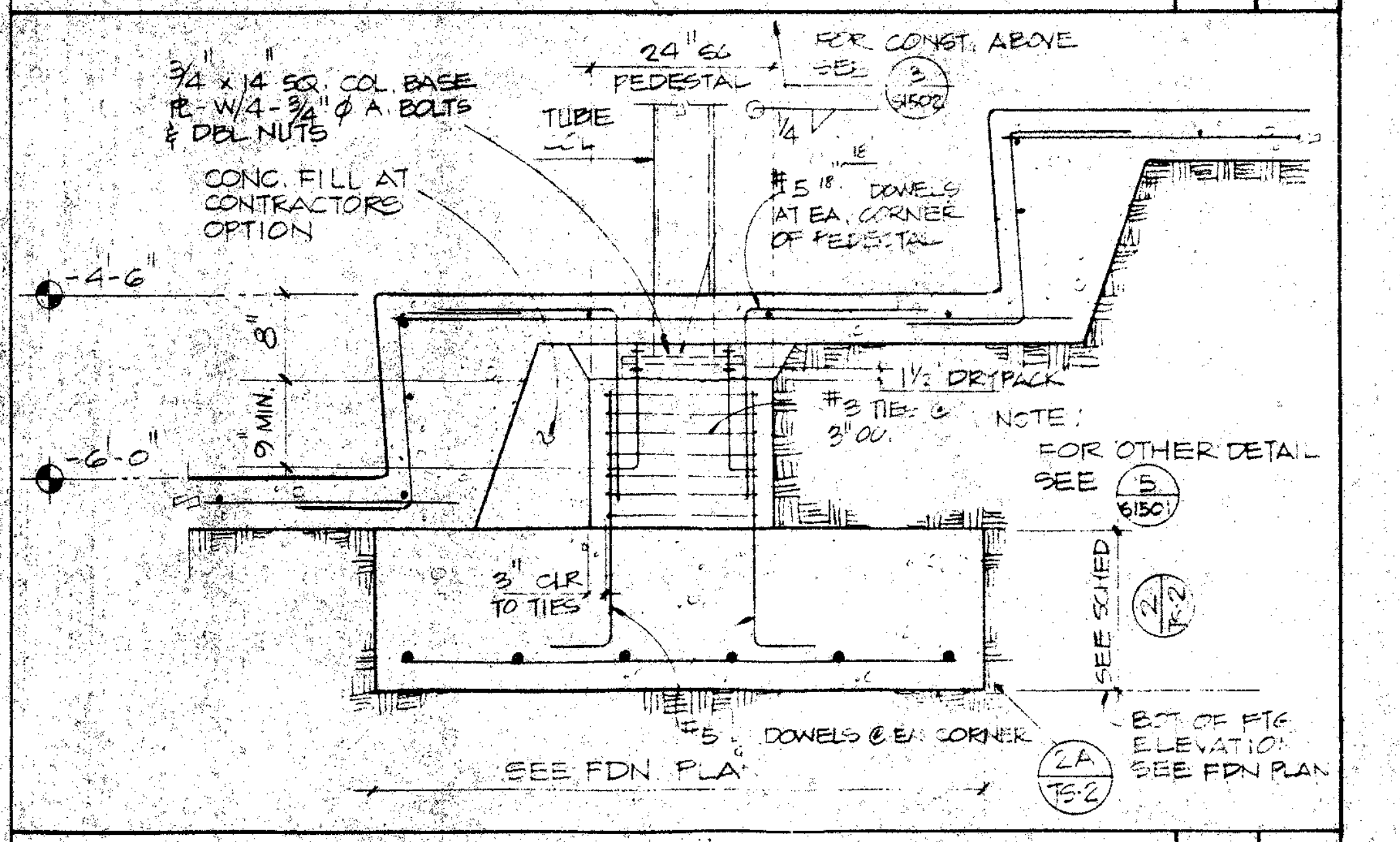
SECTION 6


SEATING STEP BEYOND WHERE OCCURS
#4 CONT
2" CLR TYP.
#3 NOSING TYP.
#3 DOWELS @ 18" o.c.
2" CLR TYP.
#4 CONT.
#4 DOWELS @ 18" o.c.
SLAB (MIN)
9"
TRACE OF THICKENED SLAB FOR HANDRAIL WHERE OCCURS - SEE

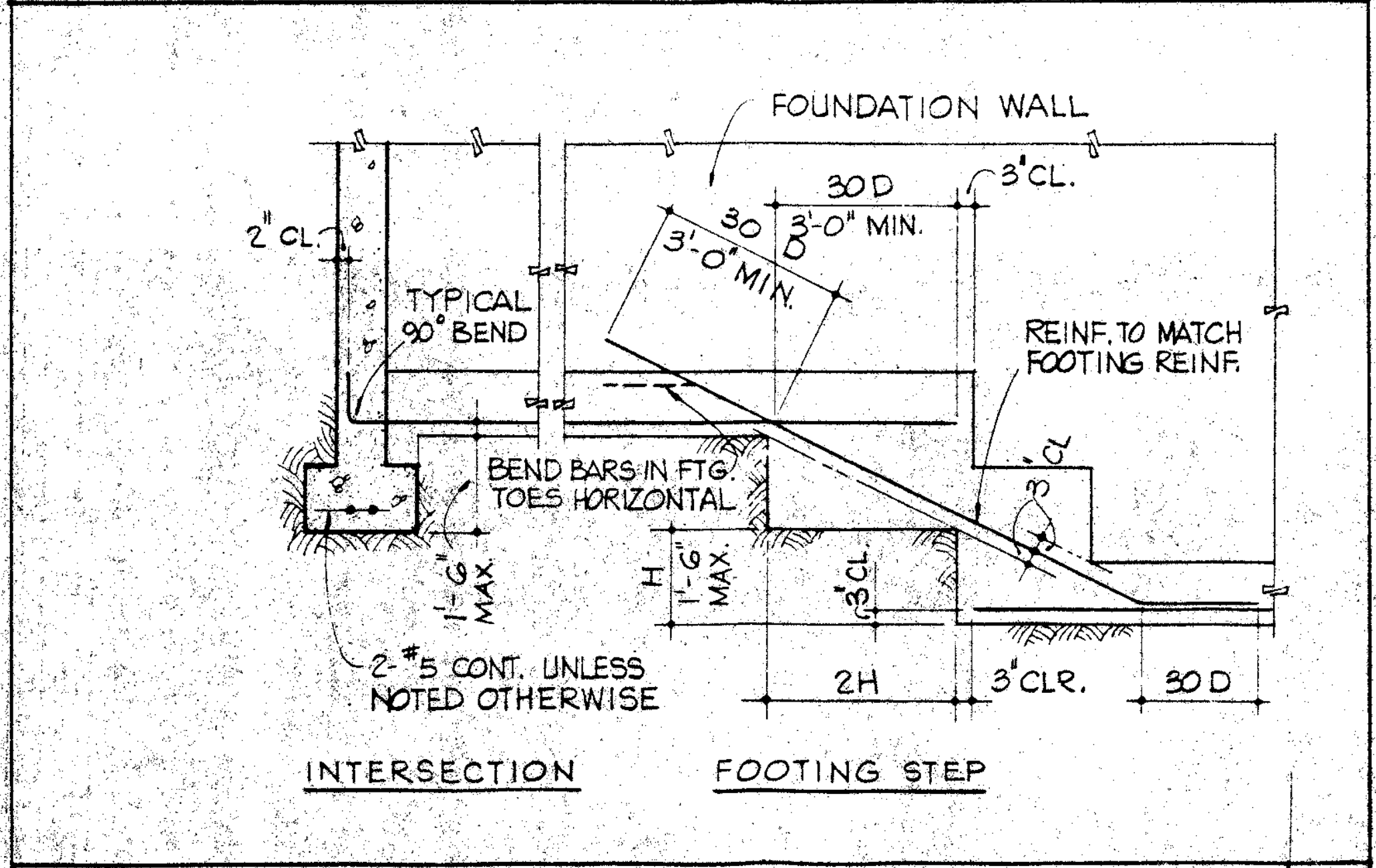
TYP. CONC. STAIR SECTION 3/4" 4


HANDRAIL - SEE
SIM.
2-#5 HAIRPIN DOWELS - TYP.
ADD 3-#4 AT THICKENED SLAB
2-#4 DOWELS AT THICKENED SLAB
12"
6"
6"

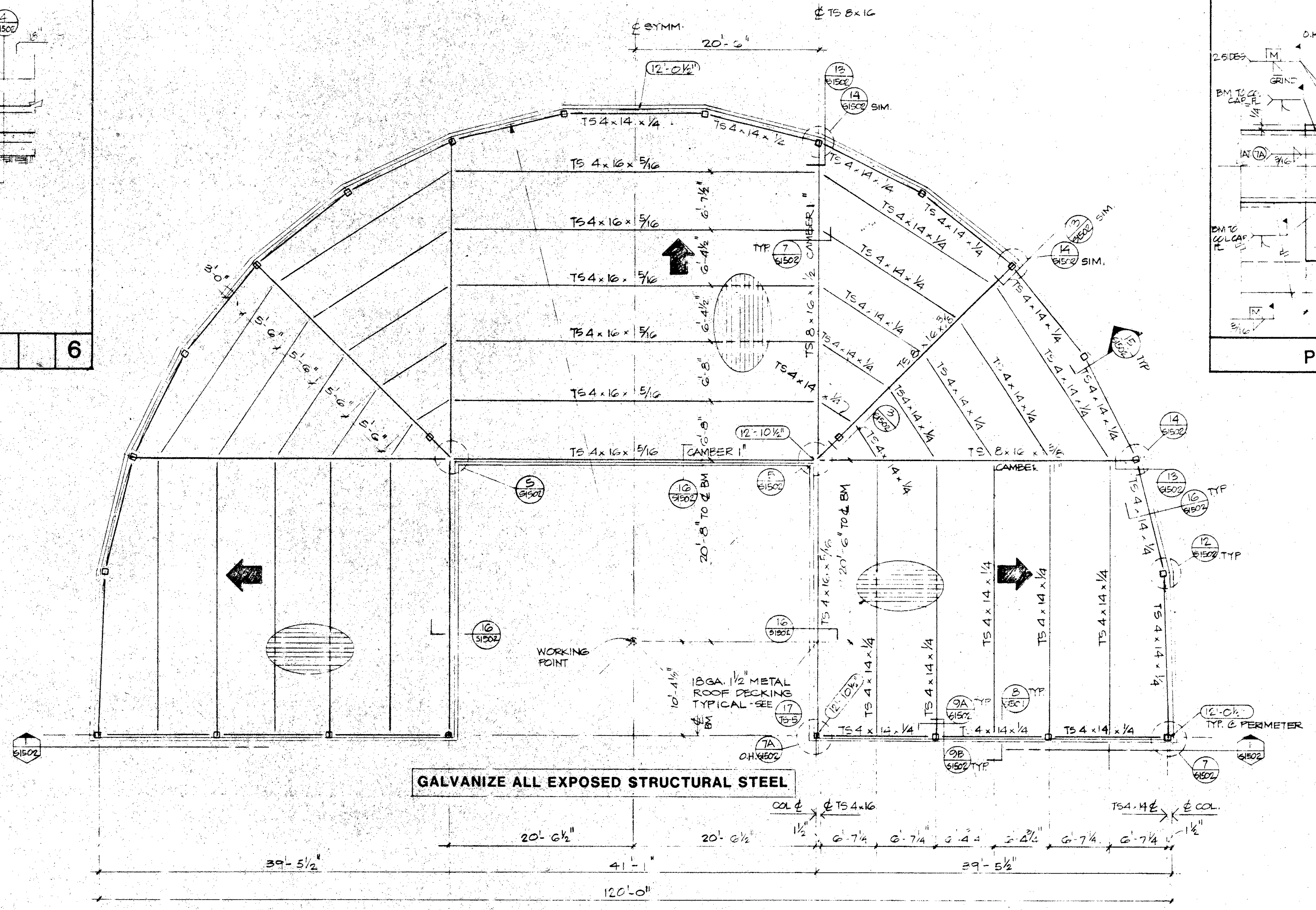
DETAIL 3/4" 3


3/4" x 14 SQ. COL. BASE PL W/4-3/4" φ A. BOLTS & DBL NUTS
24" SQ. PEDESTAL
FOR CONST. ABOVE
TUBE
CONC. FILL AT CONTRACTORS OPTION
#5 DOWELS AT EA. CORNER OF PEDESTAL
1 1/2" DRYPACK
#3 TIES @ 3" o.c.
NOTE: FOR OTHER DETAIL SEE
3" CLR TO TIES
#5 DOWELS @ EA. CORNER
BOT. OF FTG ELEVATION SEE FDN PLAN
SEE FDN PLAN
-4'-6"
-6'-0"

DETAIL 3/4" 2


FOUNDATION WALL
2" CL
3" CL
30D
3'-0" MIN.
TYPICAL 90° BEND
REINF. TO MATCH FOOTING REINF.
BEND BARS IN FTG. TOES HORIZONTAL
1'-6" MAX
2-#5 CONT. UNLESS NOTED OTHERWISE
2H
3" CLR.
30D
INTERSECTION
FOOTING STEP

TYP. STEP FOOTING 1


℄ SYMM.
℄ TS 8x16
20'-6"
TS 4x14x1/4
TS 4x16x5/16
TS 4x14x1/4
CAMBER
18 GA. 1 1/2" METAL ROOF DECKING TYPICAL - SEE
WORKING POINT
TS 8x16
12'-0 1/2"
12'-10 1/2"
CAMBER 1"
SIM.
TYP.
COL ℄
℄ TS 4x16
TS 4x4
℄ COL.
TYP. @ PERIMETER
20'-6 1/2"
39'-5 1/2"
41'-1"
120'-0"

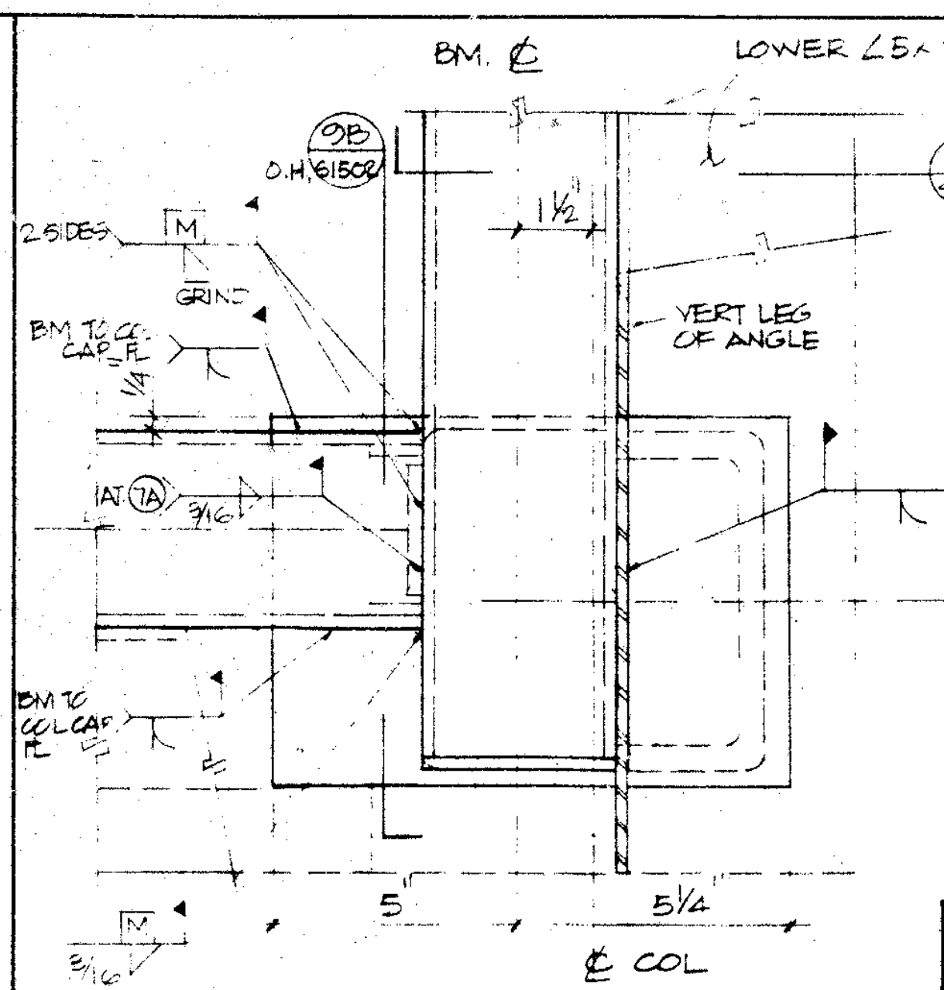
GALVANIZE ALL EXPOSED STRUCTURAL STEEL

ROOF FRAMING NOTES:

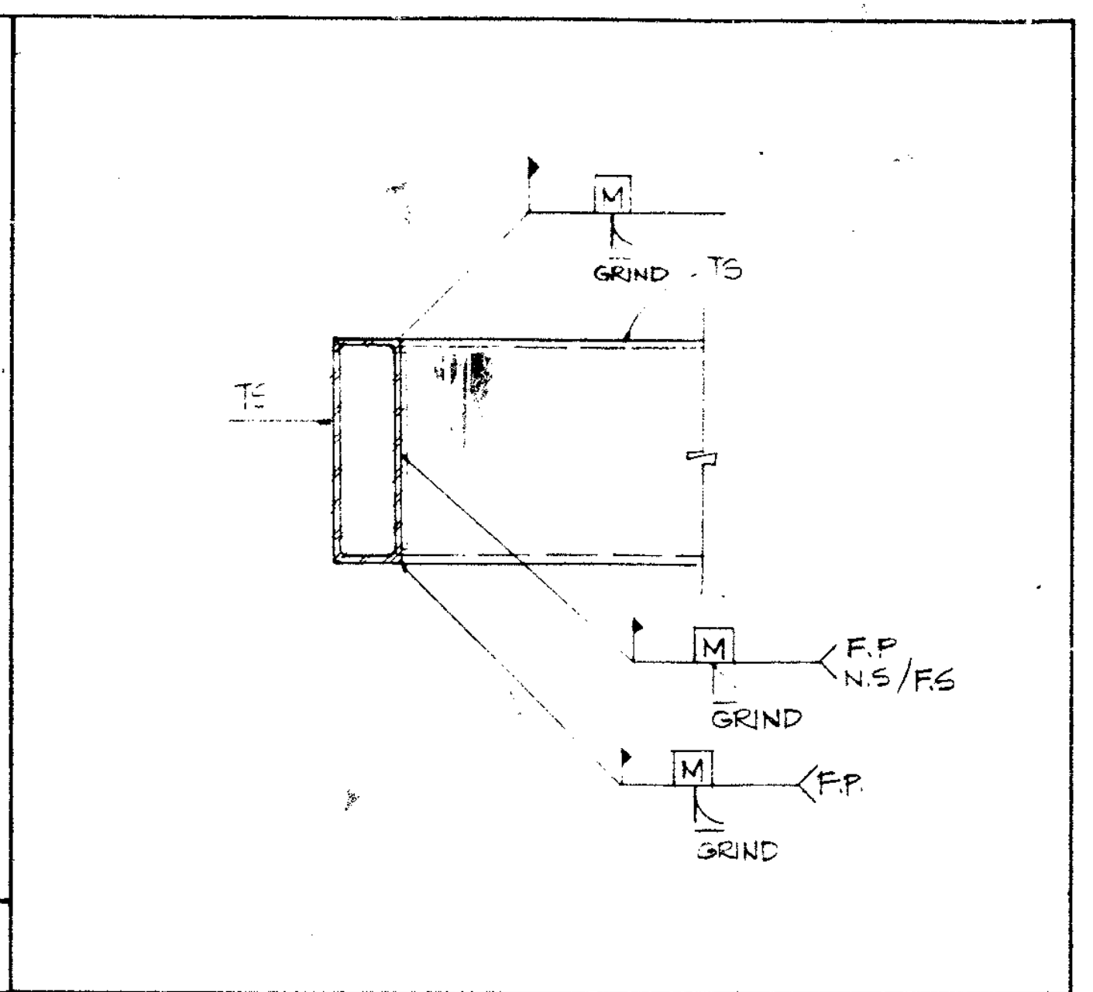
1. ▭ INDICATES TOP OF STEEL ELEVATION

ROOF FRAMING PLAN

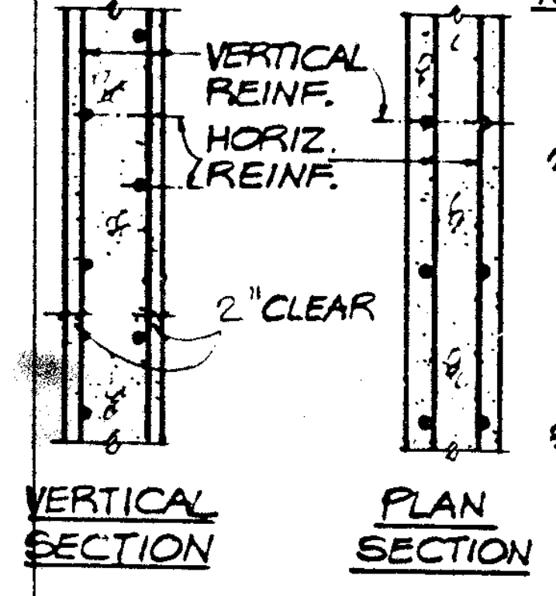
SCALE: 1/8" = 1'-0"


BM. ℄
LOWER ∠5x3
VERT LEG OF ANGLE
GRIND
℄ COL
5
5 1/2
7A

PLAN DETAIL 3" 7


GRIND
TS
F.P.
NS/FS
GRIND

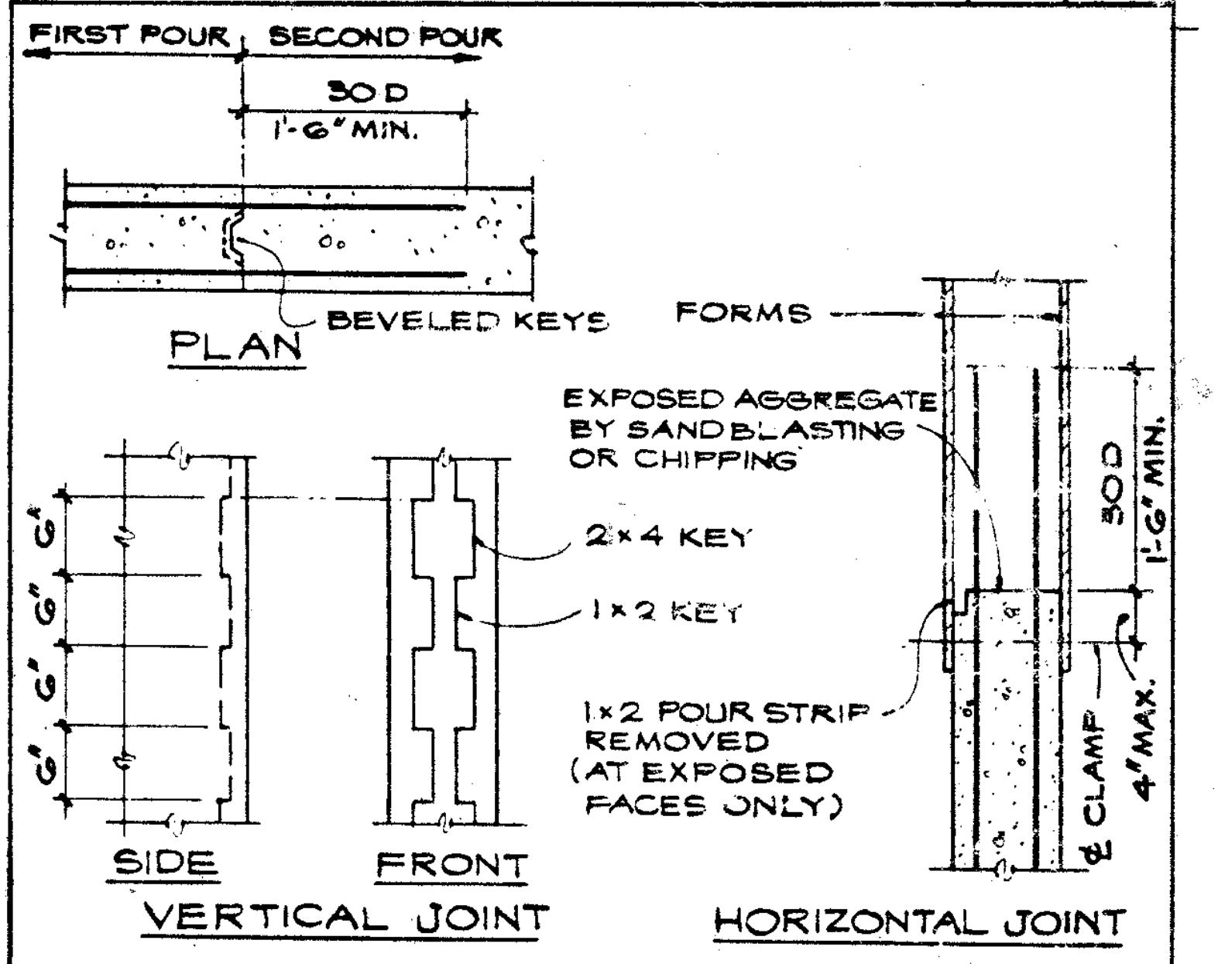
DETAIL 8


VERTICAL REINF.
HORIZ. REINF.
2" CLEAR
VERTICAL SECTION
PLAN SECTION

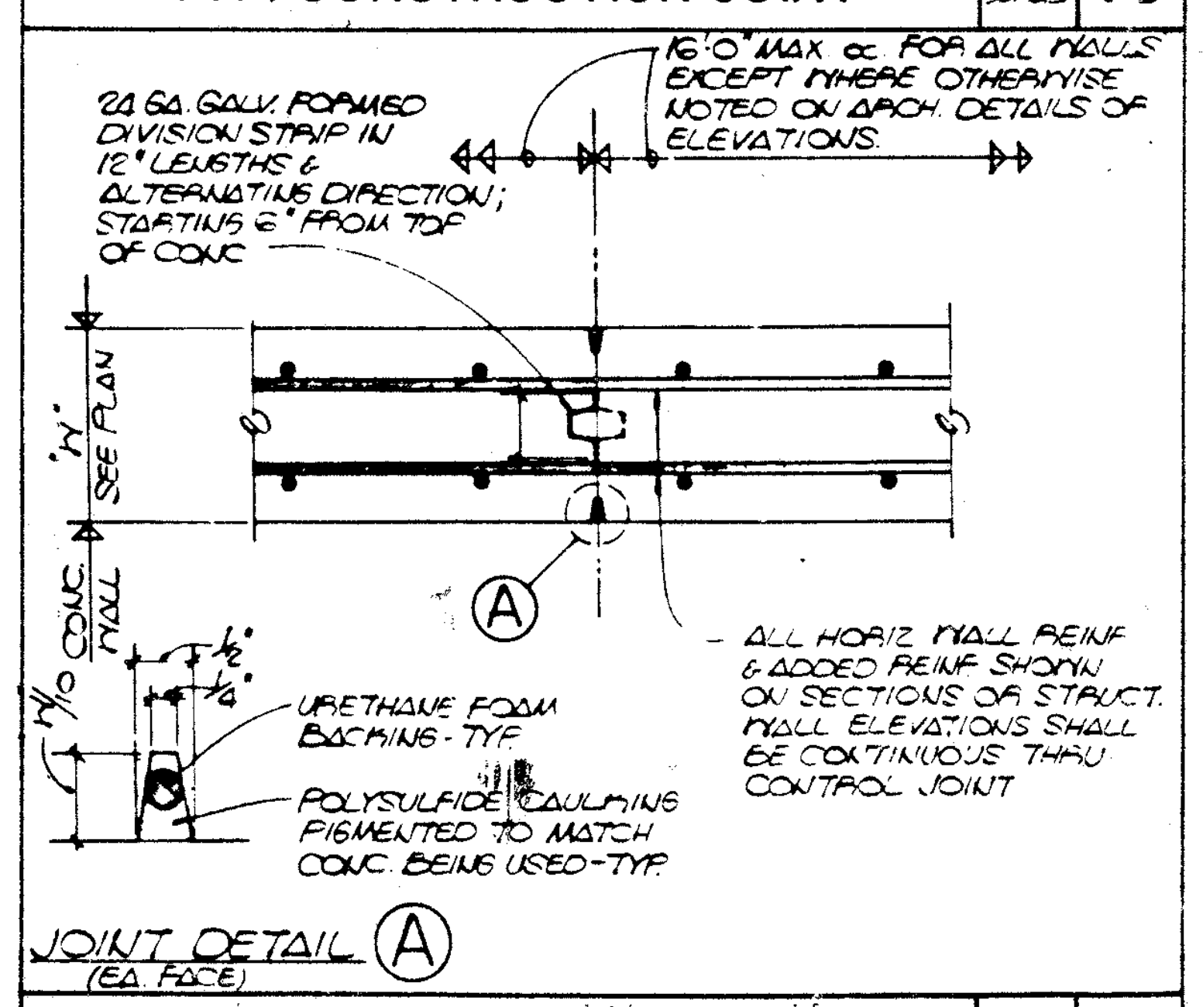
NOTES:

1. HORIZONTAL REINFORCING SHALL BE CONTINUOUS AT WALLS, COLUMNS AND PILASTERS.
2. PROVIDE 4'-0" MINIMUM STAGGER BETWEEN ADJACENT SPLICES IN THE SAME CURTAIN OF HORIZONTAL WALL REINFORCING AS WELL AS 4'-0" MINIMUM STAGGER BETWEEN SPLICES OF OUTER AND INNER CURTAINS OF HORIZONTAL WALL REINFORCING.
3. REFER TO WALL SECTIONS FOR NO., SIZE & SPACING OF REINFORCING

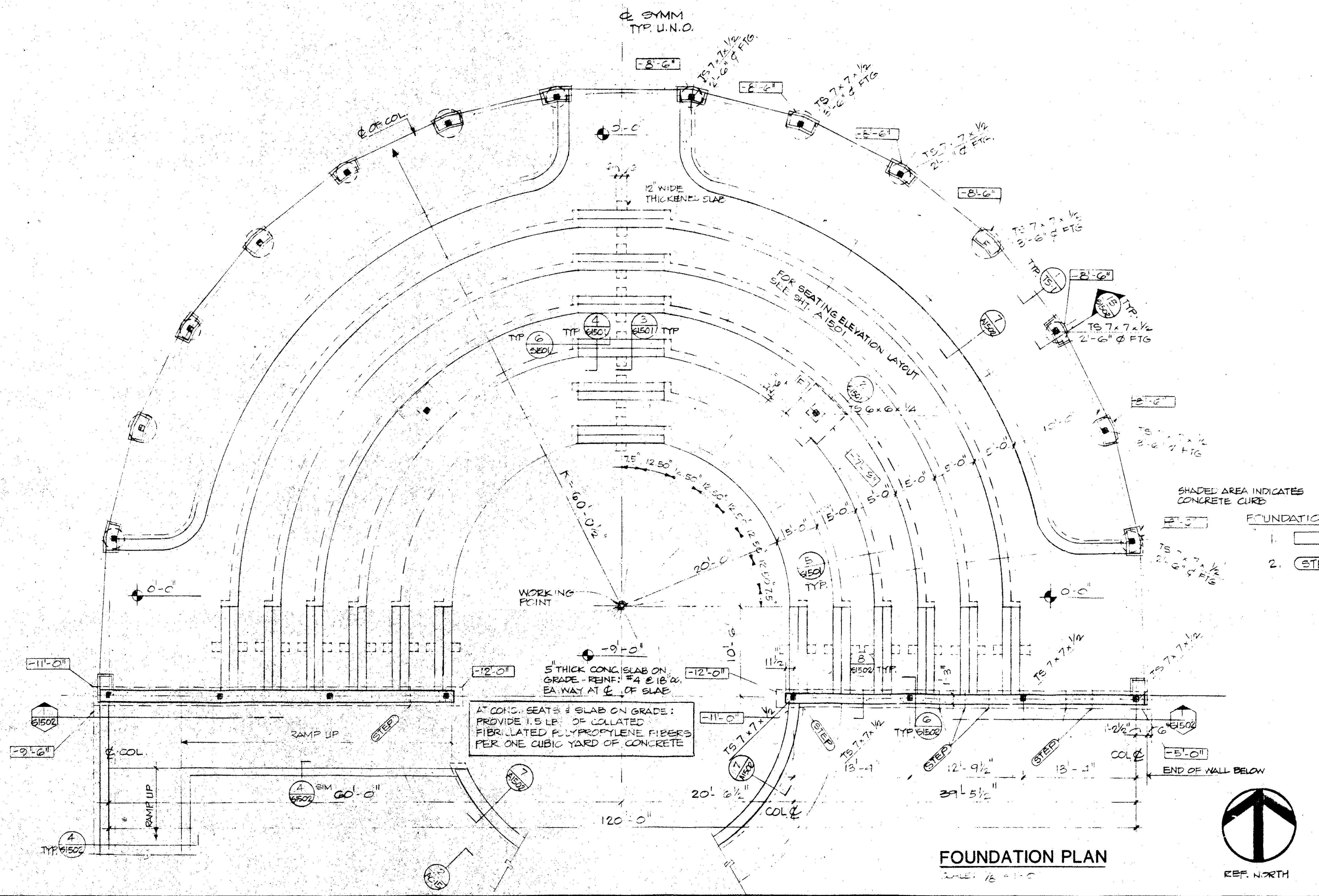
TYP. CONC. WALL CONSTRUCTION NO SCALE 9


FIRST POUR
SECOND POUR
30D
1'-6" MIN.
PLAN
BEVELED KEYS
FORMS
EXPOSED AGGREGATE BY SANDBLASTING OR CHIPPING
2x4 KEY
1x2 KEY
1x2 POUR STRIP REMOVED (AT EXPOSED FACES ONLY)
30D 1'-6" MIN.
CLAMP 4" MAX.
SIDE
FRONT
VERTICAL JOINT
HORIZONTAL JOINT

TYP. CONSTRUCTION JOINT NO SCALE 10


24 GA. GALV. FORMED DIVISION STRIP IN 12" LENGTHS & ALTERNATING DIRECTION; STARTING 6" FROM TOP OF CONC.
16'-0" MAX oc FOR ALL WALLS EXCEPT WHERE OTHERWISE NOTED ON ARCH. DETAILS OF ELEVATIONS
SEE PLAN
A
ALL HORIZ WALL REINF & ADDED REINF SHOWN ON SECTIONS OR STRUCT. WALL ELEVATIONS SHALL BE CONTINUOUS THRU CONTROL JOINT
URETHANE FOAM BACKING - TYP.
POLYSULFIDE CAULKING PIGMENTED TO MATCH CONC. BEING USED - TYP.
JOINT DETAIL A
(EA. FACE)

TYP. CONTROL JOINT NO SCALE 11


℄ SYMM. TYP. U.N.O.
TS 7x7x1/2
2'-6" φ FTG
12" WIDE THICKENED SLAB
FOR SEATING ELEVATION LAYOUT
WORKING POINT
5" THICK CONC. SLAB ON GRADE - REINF: #4 @ 18" o.c. EA. WAY AT ℄ OF SLAB
AT CONC. SEATS & SLAB ON GRADE: PROVIDE 1.5 LB. OF COLLATED FIBRILLATED POLYPROPYLENE FIBERS PER ONE CUBIC YARD OF CONCRETE
RAMP UP
STEP
℄ COL.
COL ℄
END OF WALL BELOW
60'-0"
20'-6 1/2"
39'-5 1/2"
12'-9 1/2"
13'-3"
120'-0"
-11'-0"
-12'-0"
-9'-0"
-5'-0"
0'-0"
REF. NORTH

SHADED AREA INDICATES CONCRETE CURB

FOUNDATION NOTES:

1. ▭ INDICATES BOTTOM OF FTG ELEVATION FROM DATUM 0'-0" (ACTUAL 418'-0")
2. (STEP) INDICATES STEP IN FOOTING - SEE 1/S1501

FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

Drawn By MN	Revisions	
Checked By SRU		
Date MAR. 1988		
Commission No 1.30.02		

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Structural Engineers

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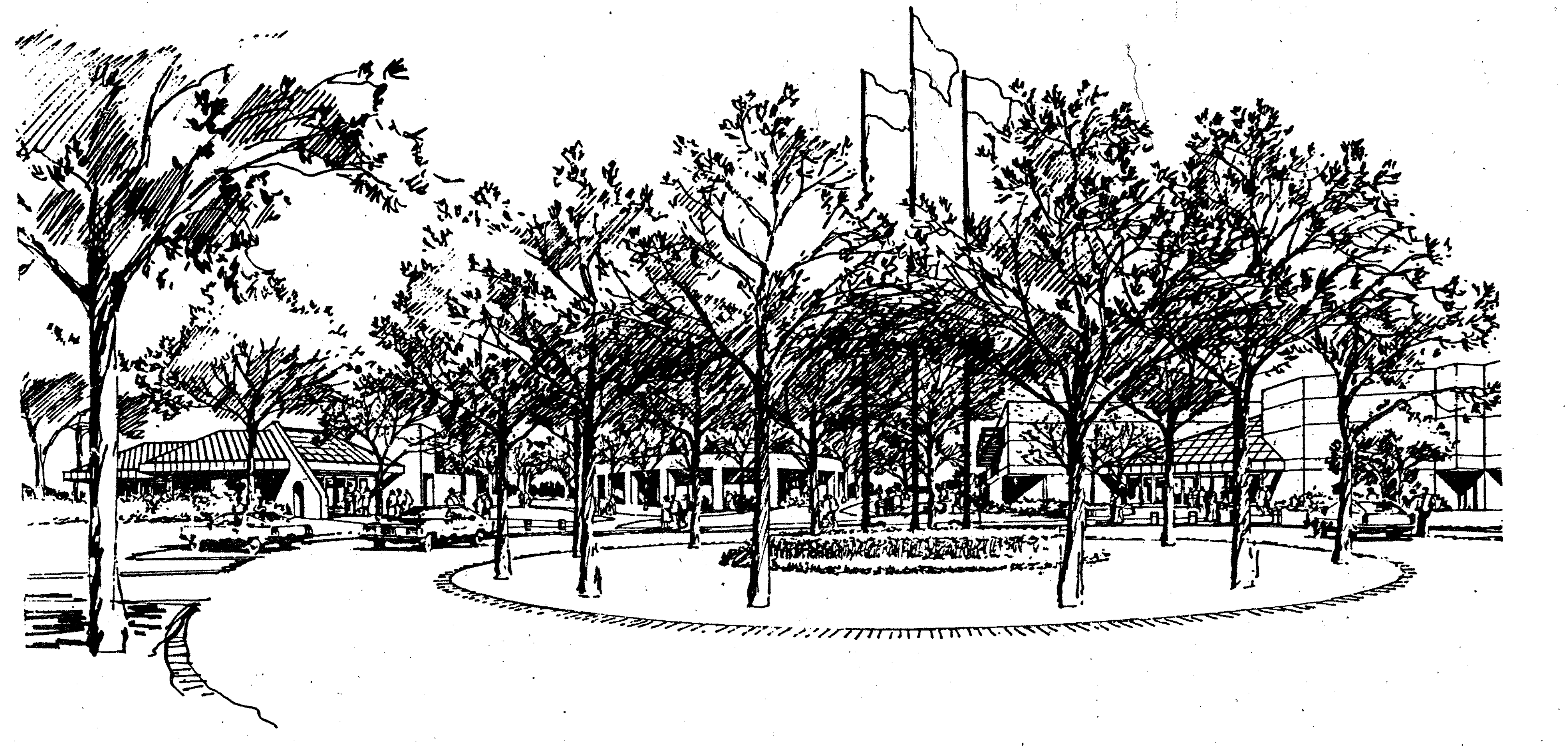
ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

AMPHITHEATER FOUNDATION AND ROOF FRAMING PLANS

Sheet Number
S-1501
Of Sheets



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San Diego, California San Diego County

Increment II

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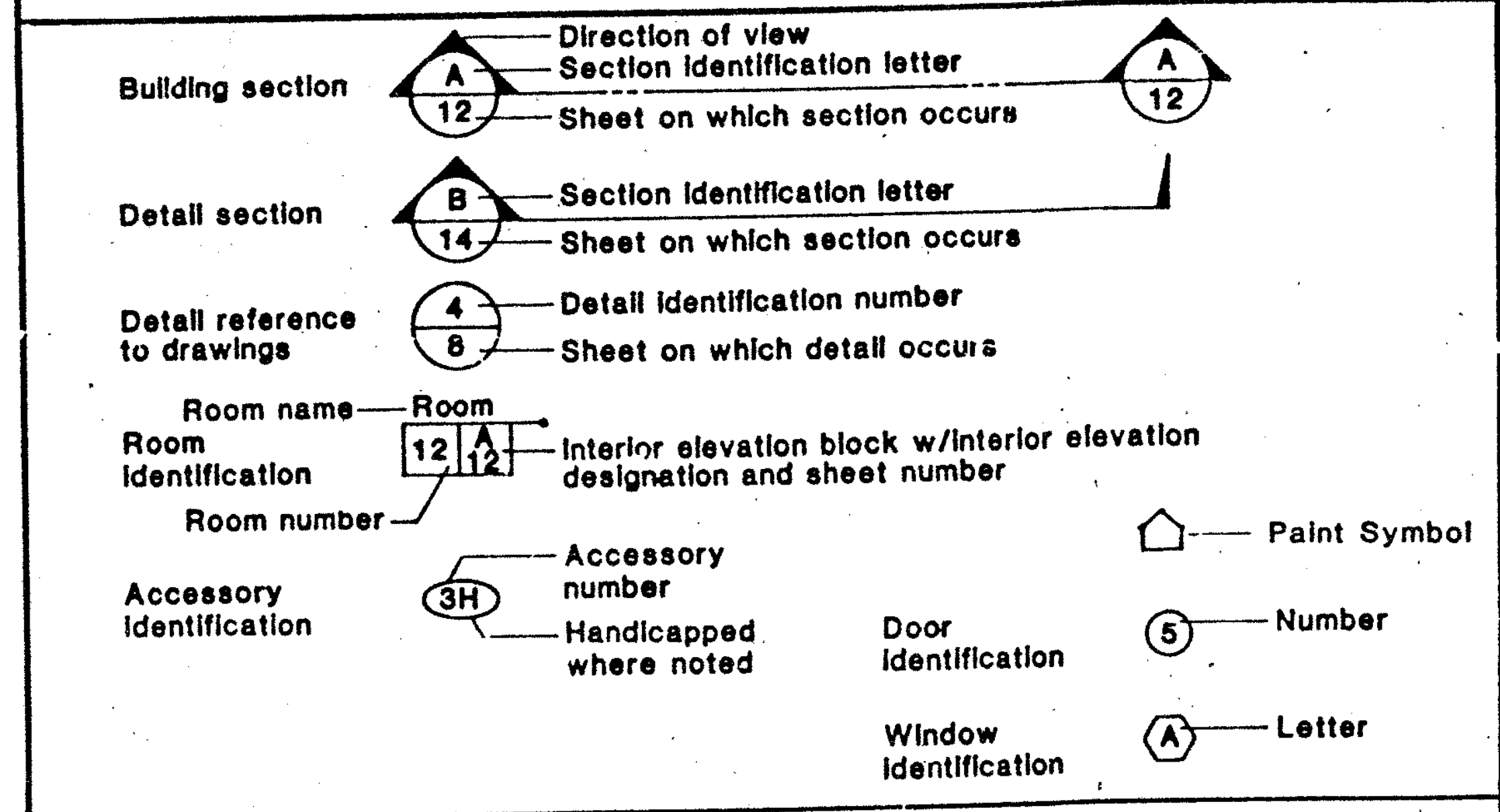
ARCHITECTURAL ABBREVIATIONS

ACP	ACOUSTIC PANEL
ACPL	ACOUSTIC PLASTER
ACT	ACOUSTIC TILE
AL	ALUMINUM
AN	ANODIZED
ACB	ASBESTOS CEMENT BOARD
AC	ASPHALTIC CONCRETE
BM	BENCH MARK
BLKG	BLOCKING
BD	BOARD
BRK	BRICK
BUR	BUILT-UP ROOFING
BB	BULLETIN BOARD
CAB	CABINET
CPT	CARPET
CSWK	CASEWORK
CI	CAST IRON
CLG	CEILING
CEM	CEMENT
CPL	CEMENT PLASTER
CL	CENTERLINE
CT	CERAMIC TILE
CLF	CHAIN LINK FENCE
CB	CHALKBOARD/COMMON BRICK
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CJ	CONSTRUCTION/COLD JOINT
DP	DEMOUNTABLE PARTITION
DET	DETAIL
DIM	DIMENSION
DR	DOOR
DRF	DOOR FRAME
DL	DOOR LOUVER
DN	DOWN
DS	DOWNSPOUT
DRPT	DRAPERY TRACK
DF	DRINKING FOUNTAIN
EA	EACH
ELEC	ELECTRIC
EWC	ELECTRIC WATER COOLER
ELEV	ELEVATION
ENCL	ENCLOSURE
EQ	EQUAL
EQPT	EQUIPMENT
EXST	EXISTING
EXP	EXPANSION/EXPOSED
EJ	EXPANSION JOINT
EXT	EXTERIOR
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FIN	FINISH
FC	FINISH CEILING
FG	FINISH GRADE
FF	FINISH FLOOR
FEC	FIRE EXTINGUISHER CAB
FHC	FIRE HOSE CABINET
FRPF	FIREPROOF/FIREPROOFING
FP	FLAT PAINT
FD	FLOOR DRAIN
FLR	FLOOR
FURN	FURNISH/FURNITURE
GA	GAUGE
GALV	GALVANIZED
GI	GALVANIZED IRON
GL	GLASS
GLULAM	GLUE LAMINATED
GB	GRAB BAR
GWX	GRADE X GYPSUM WALLBOARD
GPL	GYPSUM PLASTER
GWB	GYPSUM WALLBOARD
GWW	WATER RESISTANT GWB
H	HANDICAPPED
HDW	HARDWARE
HDWD	HARDWOOD
HC	HOLLOW CORE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
JST	JOIST
JH	JOIST HANGER
LT	LIGHT
LVR	LOUVER
MACH	MACHINE
MH	MANHOLE
MFR	MANUFACTURER
MO	MASONRY OPENING
MTL	METAL
ML	METAL LATH
MS	METAL STUD
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OSA	OFFICE OF STATE ARCHITECT
OC	ON CENTER
OPNG	OPENING
PTN	PARTITION
PLAS	PLASTER
P LAM	PLASTIC LAMINATE
PL	PLATE/PROPERTY LINE
PLWD	PLYWOOD
PFIN	PREFINISHED
QT	QUARRY TILE
R	RADIUS/RISER
REINF	REINFORCING
RSLB	RESILIENT BASE
RD	ROOF DRAIN
RO	ROUGH OPENING
SRF	SEAMLESS RESILIENT FLOORING
SS	SERVICE SINK/STAINLESS STEEL
SHT	SHEET
SHTH	SHEATHING
SC	SOLID CORE
SB	SPLASH BLOCK
STN	STAIN
STD	STANDARD
STL	STEEL
STR	STRUCTURAL/STRUCTURE
SUSP	SUSPENDED
[illegible]	TACKBOARD
TER	TERRAZZO
TJ	TOOLED JOINT
TC	TOP OF CONCRETE/CURB
TS	TOP OF STEEL
TW	TOP OF WALK
TYP	TYPICAL
UC	UNDER CUT
VERT	VERTICAL
VAT	VINYL ASBESTOS TILE
VT	VINYL TILE
VWC	VINYL WALL COVERING
WWF	WELDED WIRE FABRIC
WIN	WINDOW
WGL	WIRE GLASS
W/	WITH
WD	WOOD
X	FACTORY FINISHED/PREFINISHED

ARCHITECTURAL SYMBOLS


Building section
A
12
Direction of view
Section identification letter
Sheet on which section occurs
A
12
Detail section
B
14
Section identification letter
Sheet on which section occurs
Detail reference to drawings
4
8
Detail identification number
Sheet on which detail occurs
Room name
Room
Room identification
12
A
12
Interior elevation block w/interior elevation designation and sheet number
Room number
Paint Symbol
Accessory identification
3H
Accessory number
Handicapped where noted
Door identification
5
Number
Window identification
A
Letter

DEFERRED APPROVAL

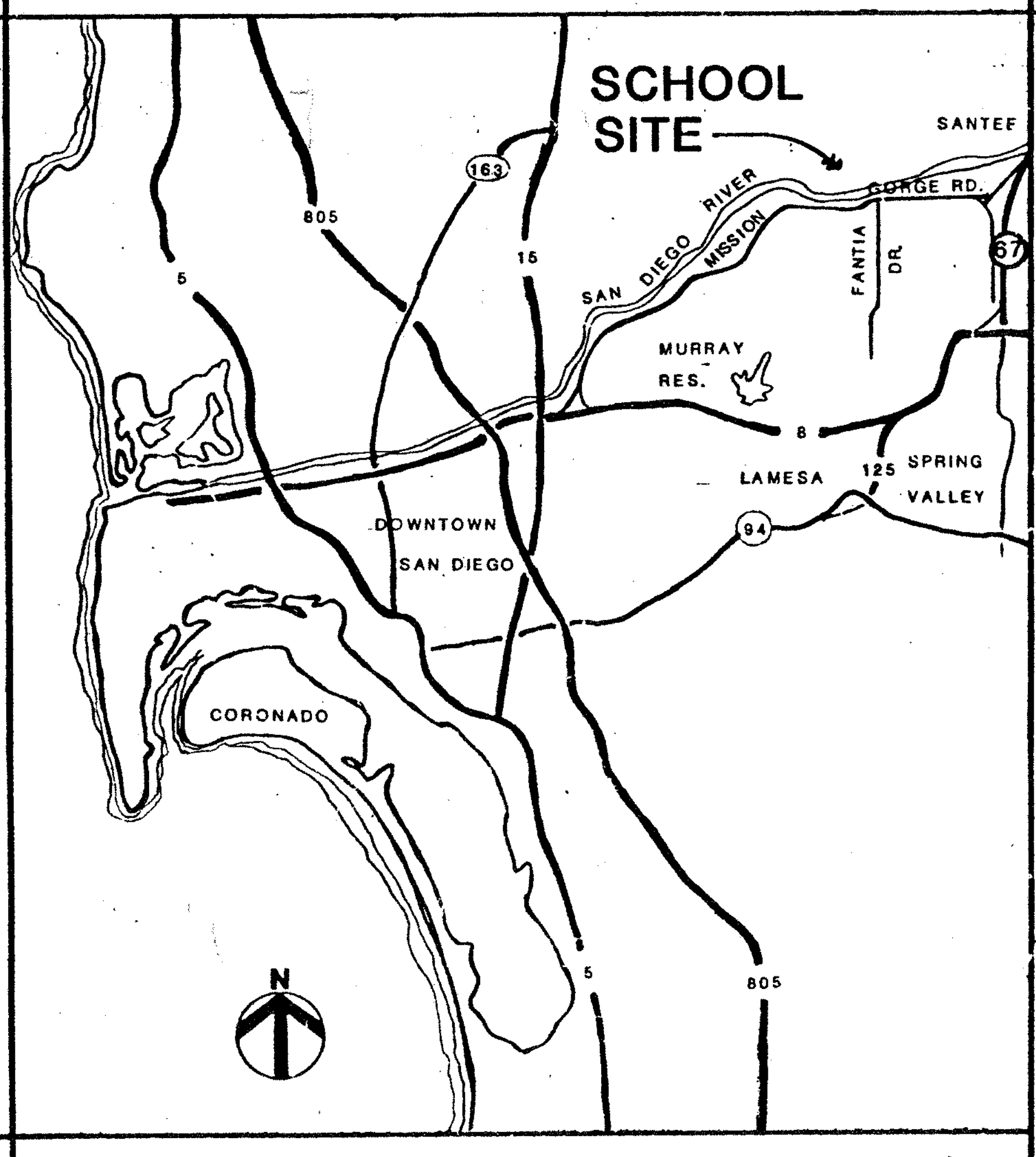
OFFICE OF THE STATE ARCHITECT DEFERRED APPROVAL:

Installation of ~~Relocatable Building No. 14~~, Relocatable Building No. 13, the relocatable portion of Building 9, the stage rigging, ~~the orchestra pit cover, the elevator guide rails and brackets, the Greenhouse~~, the wire mesh partition, the pre-engineered fire protection systems for the range hoods and grease cooking equipment, the automatic fire sprinkler systems at the Performing Arts Stage, ~~and the Woodshop spray booth~~, shall not be started until detailed plans, specifications and engineering calculations have been accepted and signed by the Architect or Structural Engineer in general in charge of design, and signature of the architect or professional engineer who has been delegated responsibility covering the work shown on a particular plan or specification, and approved by the Office of the State Architect.

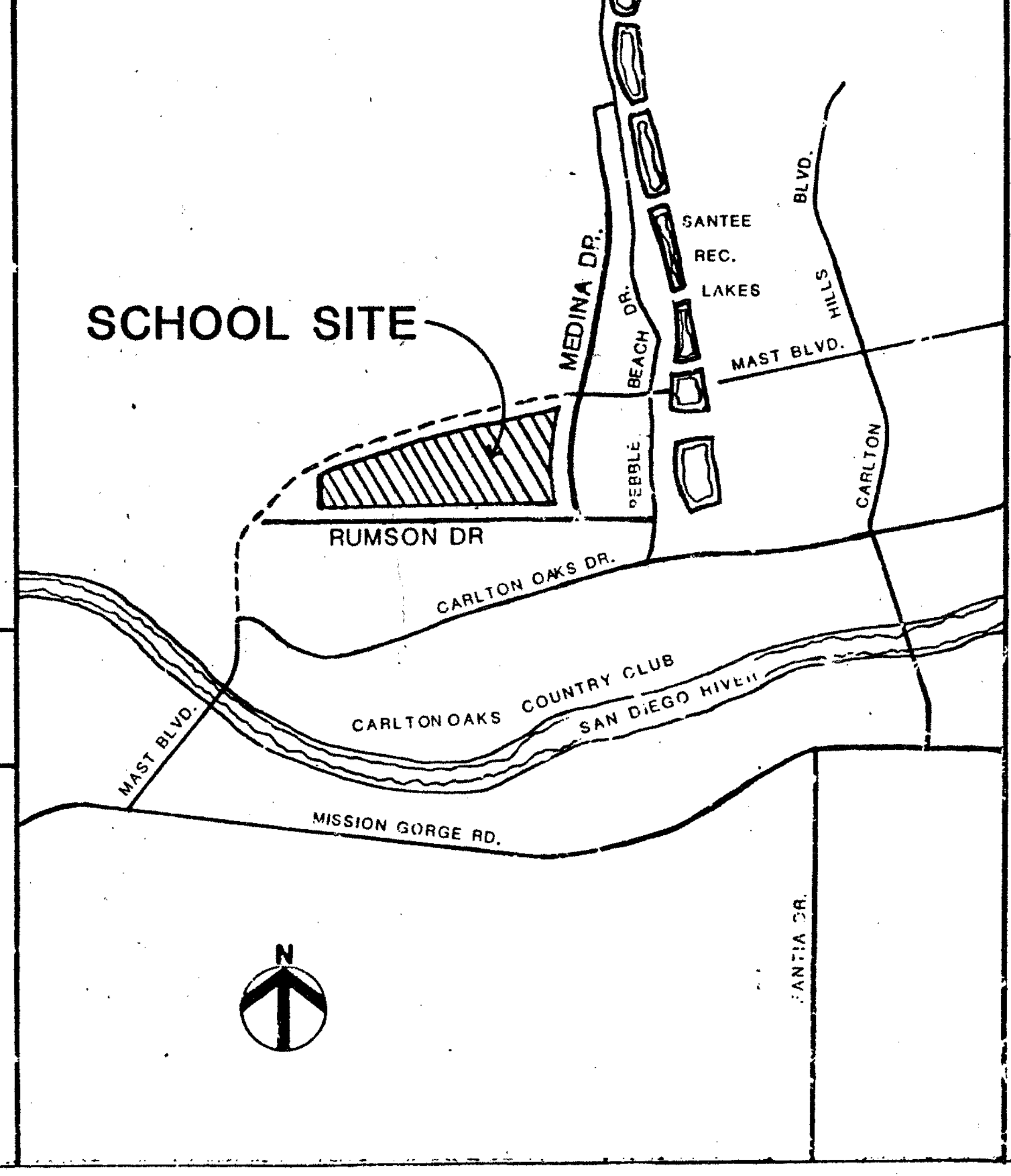
ENERGY STANDARDS

The design submitted conforms substantially to the State of California regulations establishing energy conservation standards for non-residential buildings.

VICINITY MAP



SITE LOCATION MAP



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C-4	Finish Grading & Drainage Plan
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C-7	Partial Site Plan
C-8	Partial Site Plan
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C-14	Mast Blvd. Improvements
C-15	Mast Blvd. Improvements

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Architectural

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A-108	Exterior Elevations - Performing Arts
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Architectural(Cont.)

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TD-9	General Details
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E-602	Power/Signal Plan - Bldg. No. 6
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OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 492/5 JUN 22 1988
APPROVAL APPLICATION NO. John P. M. Cantly
PRINCIPAL STRUCTURAL ENGINEER

[illegible] ONLY
STATE FIRE MARSHAL
[illegible] REGION

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88
APPLICATION NO. FLR W. [illegible]

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 492/5 JUN 22 1988
APPLICATION NO. John P. M. C[illegible]
PRINCIPAL STRUCTURAL ENGINEER

BID SET #

Drawn By	
Checked By	
Date	MARCH 1988
Commission No	1.30.05
Revisions	BID JANUARY 1991

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ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Title Sheet
PART B

Sheet Number
T-1
1801 237 Sheets
Increment 2

115346

DOOR SCHEDULE

GYMNASIUM - BUILDING NO. 1

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
101	PR 3-0 X 7-0	A	---	HM	P	P8		HM	P	P6	1/TD7	1/TD7	19/TD7	25/TD7	3 HR	52	101	P2 INTERIOR DOOR FACE & FRAME
102	NUMBER NOT USED	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	102	
103	NUMBER NOT USED	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	103	
104	PR 3-0 X 7-0	A	---	HM	P	P8		HM	P	P6	1/TD7	1/TD7	19/TD7	25/TD7	3 HR	52	104	P2 INTERIOR DOOR FACE & FRAME
105	PR 3-0 X 7-0	A	---	HM	P	P8		HM	P	P6	1/TD7	1/TD7	19/TD7	25/TD7	3 HR	52	105	P2 INTERIOR DOOR FACE & FRAME
106	NUMBER NOT USED	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	106	
107	NUMBER NOT USED	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	107	
108	PR 3-0 X 7-0	A	---	HM	P	P8		HM	P	P6	1/TD7	1/TD7	19/TD7	25/TD7	3 HR	52	108	P-2 INTERIOR DOOR FACE & FRAME
109	3-0 X 7-0	B	---	SC	P	P8		HM	P	P6	7/TD7	1/TD7	--	25/TD7	--	8	109	P-2 INTERIOR DOOR FACE & FRAME
110	3-0 X 7-0	B	---	SC	P	P8		HM	P	P6	7/TD7	1/TD7	--	4/TD6	--	6	110	P-2 INTERIOR DOOR FACE & FRAME
111	PR 3-0 X 7-0	B	---	SC	P	P8		HM	P	P6	7/TD7	8/TD7	19/TD7	25/TD7	--	7	111	P-2 INTERIOR DOOR FACE & FRAME
112	NUMBER NOT USED	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	112	
113	NUMBER NOT USED	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	113	
114	PR 3-0 X 7-0	B	---	SC	P	P8		HM	P	P6	7/TD7	8/TD7	19/TD7	25/TD7	--	7	114	P2 INTERIOR DOOR FACE & FRAME
115	PR 2-10 X 7-0	B	(2)24X36	SC	P	P7		HM	P	P6	1/TD7 SIM	8/TD7	--	25/TD7	--	9	115	FULL LOUVERED TRANSOM
116	PR 3-0 X 7-0	B	---	SC	P	P8		HM	P	P6	7/TD7	8/TD7	--	25/TD7	--	7	116	P2 INTERIOR DOOR FACE & FRAME
117	NUMBER NOT USED	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	117	
118	3-0 X 7-0	B	---	SC	P	P8		HM	P	P6	7/TD7	8/TD7	--	25/TD7	--	11	118	P2 INTERIOR DOOR FACE & FRAME
119	NUMBER NOT USED	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	119	
120	PR 3-4 X 7-0	C	---	SC	P	P8		HM	P	P6	7/TD7	8/TD7	--	25/TD7	--	28	120	DUTCH DOOR 1 LEAF ONLY - P2 INTERIOR DOOR FACE & FRAME
121	3-0 X 7-0	B	---	SC	P	P8		HM	P	P6	7/TD7	8/TD7	--	25/TD7	--	11	121	P2 INTERIOR DOOR FACE & FRAME
122	NUMBER NOT USED	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	122	
123	PR 3-0 X 7-0	B	---	SC	P	P8		HM	P	P6	7/TD7	8/TD7	--	25/TD7	--	7	123	P2 INTERIOR DOOR FACE & FRAME
124	PR 2-10 X 7-0	B	(2)24X36	SC	P	P7		HM	P	P6	1/TD7 SIM	8/TD7	--	25/TD7	--	9	124	FULL LOUVERED TRANSOM
125	PR 3-0 X 7-0	B	---	SC	P	P8		HM	P	P6	7/TD7	8/TD6	19/TD7	25/TD7	--	7	125	P2 INTERIOR DOOR FACE & FRAME
126	NUMBER NOT USED	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	126	
127	NUMBER NOT USED	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	127	
128	PR 3-0 X 7-0	B	---	SC	P	P8		HM	P	P6	7/TD7	3/TD6	19/TD7	25/TD7	--	7	128	P2 INTERIOR DOOR FACE & FRAME
129	3-0 X 7-0	B	24X24	SC	P	P7		HM	P	P6	7/TD7	1/TD7	--	25/TD7	--	10	129	
130	3-0 X 7-0	B	---	SC	P	P8		HM	P	P6	7/TD7	1/TD7	--	4/TD6	--	6	130	P2 INTERIOR DOOR FACE & FRAME
131	8-0 X 7-0	F	--	MTL	P	P2		MTL		P2	24/TD7	30/TD7	--	--	45 MIN	12	131	
132	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	132	
133	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--			13	133	
134	PR 3-0 X 7-0	B	24X12	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	3/TD6	45 MIN	19	134	
135	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	3/TD7	3/TD7	--	--	20 MIN	15	135	MALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
136	PR 3-0 X 7-0	O	--	GL/HM	P	P2		HM	P	P2	2/TD7	2/TD7	19/TD7	3/TD6	20 MIN	51	136	
137	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	137	
138	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	138	
139	PR 3-0 X 7-0	O	--	GL/HM	P	P2		HM	P	P2	2/TD7	2/TD7	19/TD7	3/TD6	20 MIN	51	139	
140	PR 3-0 X 7-0	O	--	GL/HM	P	P2		HM	P	P2	2/TD7	2/TD7	19/TD7	3/TD6	20 MIN	51	140	
141	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	141	
142	PR 3-0 X 7-0	O	--	GL/HM	P	P2		HM	P	P2	2/TD7	2/TD7	19/TD7	3/TD6	20 MIN	51	142	
143	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	143	
144	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	3/TD7	3/TD7	--	--	20 MIN	15	144	FEMALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
145	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	45 MIN	16	145	
146	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	20 MIN	17	146	
147	8-0 X 7-0	F	--	MTL	P	P2		MTL	P	P2	24/TD7	30/TD7	--	--	45 MIN	12	147	
148	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	3/TD6	45 MIN	16	148	
149	PR 3-0 X 7-0	B	24X12	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	3/TD6	45 MIN	19	149	
150	PR 3-0 X 7-0	A	--	HM	P	P2		HM	P	P2	1/TD7	1/TD7	--	3/TD6	3 HR	52	150	
151	PR 2-6 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	45 MIN	19	151	
152	PR 3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	20 MIN	29	152	
153	PR 3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	20 MIN	65	153	
154	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	20 MIN	22	154	
155	PR 3-0 X 7-0	A	--	HM	P	P2		HM	P	P2	1/TD7	1/TD7	--	3/TD6	3 HR	52	155	
156	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	156	
157	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	157	
158	PR 3-0 X 7-0	A	--	HM	P	P2		HM	P	P2	1/TD7	1/TD7	--	3/TD6	3 HR	52	158	
159	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	45 MIN	16	159	
160	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	3/TD7	3/TD7	--	--	--	23	160	
161	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	--	20	161	
162	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	--	20	162	
163	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	3/TD7	3/TD7	--	--	--	23	163	
164	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	45 MIN	16	164	
165	PR 3-0 X 7-0	A	--	HM	P			HM	P	P2	1/TD7	1/TD7	--	3/TD6	3 HR	52	165	
166	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	166	
167	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	167	
168	PR 3-0 X 7-0	A	--	HM	P			HM	P	P2	1/TD7	1/TD7	--	3/TD6	3 HR	52	168	
169	3-0 X 7-0	B	24X24	SC				HM	P	P2	2/TD7	2/TD7	--	3/TD6	--	25	169	
170	PR 3-0 X 7-0	A	--	HM	P			HM	P	P2	1/TD7	1/TD7	--	3/TD6	3 HR	52	170	
171	PR 2-6 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	45 MIN	19	171	
172	PR 3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	20 MIN	29	172	
173	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	20 MIN	22	173	
174	PR 3-0 X 7-0	O	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	20 MIN	65	174	
175	PR 3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	20 MIN	65	175	
176	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	--	26	176	
177	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	20 MIN	30	177	
178	4-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	45 MIN	27	178	
179	4-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	45 MIN	27	179	
180	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	20 MIN	30	180	
181	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	--	26	181	
182	PR 3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	20 MIN	65	182	
183	14-0 X 23-0	E	--		WC	WC-6			X		11/07	17/TD7	23/TD7	--	--	12	183	AS PER MANUFACTURER
184	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	45 MIN	16	184	
185	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/TD7	2/TD7	--	--	45 MIN	16	184	

PERFORMING ARTS - BUILDING NO. 1

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
101A	PR 3-0 X 7-0	O	--	GL/HM	P			HM	P		7/TD7	9/TD7	13/TD7	25/TD7	--	31	101A	
102A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	102A	
103A	PR 3-0 X 7-0	O	--	GL/HM	P			HM	P		7/TD7	13/TD7	--	25/TD7	--	32	103A	
104A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	104A	
105A	PR 3-0 X 7-0	O	--	GL/HM	P			HM	P		7/TD7	13/TD7	--	25/TD7	--	32	105A	
106A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	106A	
107A	PR 3-0 X 7-0	O	--	GL/HM	P			HM	P		7/TD7	13/TD7	--	25/TD7	--	32	107A	
108A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	108A	
109A	PR 3-0 X 7-0	O	--	GL/HM	P			HM	P		7/TD7	13/TD7	--	25/TD7	--	31	109A	
110A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110A	
111A	PR 3-0 X 7-0	B	--	SC				HM	P		7/TD7	2/TD6	9/TD7	25/TD7	--	7	111A	
112A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	112A	
113A	PR 3-0 X 7-0	B	--	SC				HM	P		7/TD7	2/TD6	13/TD7	25/TD7	--	7	113A	
114A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	114A	
115A	3-0 X 7-0	B	(2)24X20	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	10	115A	
116A	PR 3-0 X 7-0	B	--	SC				HM	P		7/TD7	9/TD7	13/TD7	25/TD7	--	33	116A	
117A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	117A	
118A	PR 3-0 X 7-0	B	--	SC				HM	P		7/TD7	9/TD7	13/TD7	25/TD7	--	33	118A	
119A	3-0 X 7-0	B	--	SC	--	--	--	HM	P	--	2/TD7	2/TD7	--	--	45 MIN	36	119A	
120A	PR 3-0 X 7-0	B	--	SC				HM	P		7/TD7	9/TD7	13/TD7	25/TD7	--	34	120A	
121A	3-0 X 7-0	B	--	SC				HM	P						--	18	121A	
122A	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	6	122A	
123A	6-8 X 10-0	F	--	MTL				MTL			24/TD7	30/TD7	--	--	--	12	123A	AS PER MANUFACTURER
124A	3-0 X 7-0	B	--	SC				HM	P		7/TD7	9/TD7	13/TD7	25/TD7	--	6	124A	
125A	3-0 X 7-0	B	--	SC				HM	P		7/TD7	7/TD7	8/TD7	25/TD7	--	6	125A	
126A	PR 3-0 X 7-0	B	--	SC				HM	P		7/TD7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
127A	3-0 X 3-0	N	--	HC				WD			--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
128A	3-0 X 7-0	B	--	SC				HM	P		7/TD7	7/TD7	8/TD7	25/TD7	--	6	128A	
129A	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	6	129A	
130A	PR 3-0 X 7-0	B	--	SC				HM	P		7/TD7	9/TD7	13/TD7	25/TD7	--	34	130A	
131A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	131A	
132A	PR 3-0 X 7-0	B	--	SC				HM	P		7/TD7	9/TD7	13/TD7	25/TD7	--	33	132A	
133A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	133A	
134A	PR 3-0 X 7-0	B	--	SC				HM	P		7/TD7	9/TD7	13/TD7	25/TD7	--	33	134A	
135A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	135A	
136A	3-6 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	45 MIN	10	136A	
137A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	36	137A	
138A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	45 MIN	36	138A	
139A	PR 3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	1 1/2 HR	49	139A	
140A	PR 3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	50	140A	
141A	3-0 X 7-0	B	--	SC				HM			2/TD7	2/TD7	--	--	1 1/2 HR	37	141A	
142A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	45 MIN	39	142A	
143A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	1 1/2 HR	38	143A	2 1/2" THICK SOUND DOOR
144A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	30	144A	
145A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	20	145A	
146A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	1 1/2 HR	22	146A	
147A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	1 1/2 HR	37	147A	
148A	PR 3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	1 1/2 HR	49	148A	
149A	PR 3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	50	149A	
150A	PR 3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	50	150A	

NOT IN CONTRACT

PERFORMING ARTS - BUILDING NO. 1 CONTINUED

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
151A	4-0 X 22-0	G	--	SC				HM	P		--	--	--	--	45 MIN	12	151A	AS PER MANUFACTURER
152A	PR 3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	50	152A	
153A	PR 3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	50	153A	
154A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	45 MIN	39	154A	
155A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	1 1/2 HR	40	155A	
156A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	25	156A	
157A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	20	157A	
158A	PR 3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	50	158A	
159A	4-0 X 22-0	G	--	SC				HM	P		--	--	--	--	45 MIN	12	159A	AS PER MANUFACTURER
160A	PR 3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	50	160A	
161A	PR 3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	50	161A	
162A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	16	162A	
163A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	1 1/2 HR	40	163A	
164A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	45 MIN	36	164A	
165A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	36	165A	
166A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	41	166A	
167A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	45 MIN	36	167A	
168A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	41	168A	
169A	3-0 X 7-0	B	--	SC				HM	P		3/TD7	3/TD7	--	--	20 MIN	42	169A	FEMALE HANDICAPPED SIGN PER DETAIL 2/TD-12
170A	3-0 X 7-0	B	--	SC				HM	P		3/TD7	3/TD7	--	--	20 MIN	42	170A	MALE HANDICAPPED SIGN PER DETAIL 2/TD-12
171A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	3/TD6	1 1/2 HR	43	171A	2 1/2" THICK SOUND DOOR
172A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	43	172A	2 1/2" THICK SOUND DOOR
173A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	44	173A	2 1/2" THICK SOUND DOOR W/ 6" X 24" LAMINATED GLASS VIEW WINDOW, DOUBLE GLAZED
174A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	45 MIN	80	174A	
175A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	45	175A	2 1/2" THICK SOUND DOOR W/ 6" X 24" LAMINATED GLASS VIEW WINDOW, DOUBLE GLAZED
176A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	45	176A	2 1/2" THICK SOUND DOOR W/ 6" X 24" LAMINATED GLASS VIEW WINDOW, DOUBLE GLAZED
177A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	45	177A	2 1/2" THICK SOUND DOOR W/ 6" X 24" LAMINATED GLASS VIEW WINDOW, DOUBLE GLAZED
178A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	45	178A	2 1/2" THICK SOUND DOOR W/ 6" X 24" LAMINATED GLASS VIEW WINDOW, DOUBLE GLAZED
179A	4-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	45 MIN	39	179A	
180A	PR 3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	51	180A	2 1/2" THICK SOUND DOOR
181A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	45 MIN	39	181A	
182A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	182A	
183A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	183A	
184A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	184A	
185A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	185A	
186A	9-6 X 5-3	F	--	MTL	P			MTL	P				--	--	45 MIN	12	186A	AS PER MANUFACTURER
187A	9-6 X 5-3	F	--	MTL	P			MTL	P				--	--	45 MIN	12	187A	AS PER MANUFACTURER
188A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	44	188A	2 1/2" THICK SOUND DOOR
189A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	45 MIN	80	189A	
190A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	36	190A	
191A	PR 3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	51	191A	2 1/2" THICK SOUND DOOR
192A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	192A	
193A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	193A	
194A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	194A	
195A	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	195A	
196A	PR 3-0 X 10-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	48	196A	2 1/2" THICK SOUND DOOR
197A	PR 4-0 X 10-0	B	--	SC				HM	P		2/TD7	2/TD7	--	3/TD6	1 1/2 HR	52	197A	2 1/2" THICK SOUND DOOR
198A	PR 2-0 X 3-0	N	--	HC				WD			--				--	84	198A	
199A	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	1 1/2 HR	80	199A	
100AA	8-0 X 5-6	M	--								15/TD7	21/TD7	--	27/TD7	20 MIN	12	100AA	AS PER MANUFACTURER
101AA	8-0 X 5-6	M	--								15/TD7	21/TD7	--	27/TD7	20 MIN	12	101AA	AS PER MANUFACTURER
102AA	8-0 X 5-6	M	--								15/TD7	21/TD7	--	27/TD7	20 MIN	12	102AA	AS PER MANUFACTURER
103AA	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	39	103AA	2ND LEVEL DOOR @ STAIR LANDING
104AA	3-0 X 7-0	A	--	HM	P			HM	P						1 1/2 HR	86	104AA	ROOF DOOR @ FLYLOFT
105AA	PR 3-0 X 7-0	B	--	SC				HM	P						--	7	105AA	
106AA	PR 3-0 X 7-0	B	--	SC				HM	P						--	7	106AA	
107AA	3-6 X 7-0	B	--	SC				HM	P						20 MIN	80	107AA	2ND LEVEL DOOR @ CATWALK LANDING

ADMINISTRATION - BUILDING NO. 2

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
201	PR 3-0 X 7-0	O	--	GL/HM	P			HM	P		7/TD7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
202	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	202	
203	3-0 X 7-0	B	--	SC				HM	P		7/TD7	7/TD7	8/TD7	25/TD7	--	53	203	
204	3-0 X 7-0	B	--	SC				HM	P		7/TD7	7/TD7	--	25/TD7	--	53	204	
205	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	53	205	
206	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	54	206	
207	3-0 X 7-0	B	--	SC				HM	P		7/TD7	7/TD7	8/TD7	25/TD7	--	55	207	
208	3-0 X 7-0	B	--	SC				HM	P		7/TD7	7/TD7	8/TD7	25/TD7	--	55	208	
209	3-0 X 7-0	B	--	SC				HM	P		7/TD7	7/TD7	8/TD7	25/TD7	--	54	209	
210	3-0 X 7-0	B	--	SC				HM	P		7/TD7	7/TD7	8/TD7	25/TD7	--	54	210	
211	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	36	211	
212	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	20	212	
213	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	36	213	
214	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	57	214	6" X 24" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
215	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	57	215	6" X 24" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
216	3-0 X 7-0	B	24X12	SC				HM	P		3/TD7	3/TD7	--	--	--	56	216	UNISEX HANDICAPPED SYMBOL PER DETAIL 7/TD-14
217	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	58	217	
218	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	36	218	
219	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	7/TD7	--	20 MIN	36	219	
220	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	36	220	
221	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	36	221	
222	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	45 MIN	16	222	
223	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	36	223	
224	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	36	224	
225	2-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	45 MIN	16	225	
226	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	45 MIN	16	226	
227	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	36	227	
228	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	36	228	
229	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	36	229	
230	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	36	230	
231	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	45 MIN	36	231	
232	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	45 MIN	39	232	
233	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	45 MIN	18	233	
234	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	7/TD7	--	45 MIN	59	234	
235	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	39	235	
236	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	20 MIN	36	236	
237	3-0 X 7-0	B	--	SC				HM	P		3/TD7	3/TD7	--	--	20 MIN	40	237	MALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
238	3-0 X 7-0	B	--	SC				HM	P		3/TD7	3/TD7	--	--	20 MIN	40	238	FEMALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
239	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	239	
240	PR 3-0 X 7-0	O	--	GL/HM	P			HM	P		7/TD7	2/TD6	10/TD7	25/TD7	--	31	240	
241	3-0 X 7-0	B	--	SC				HM	P						20 MIN	36	241	6" X 24" X 1/4" THICK WIRE GLASS VIEW WINDOW
242	3-0 X 7-0	B	--	SC				HM	P						45 MIN	16	242	
243	3-0 X 7-0	B	--	SC				HM	P						20 MIN	16	243	6" X 24" X 1/4" THICK WIRE GLASS VIEW WINDOW
244	3-0 X 7-0	B	--	SC				HM	P						20 MIN	16	244	6" X 24" X 1/4" THICK WIRE GLASS VIEW WINDOW
245	3-0 X 7-0	B	--	SC				HM	P						20 MIN	36	245	
246	6-0 X 7-0	F	--												20 MIN	12	246	AS PER MANUFACTURER
247	16-0 X 7-0	F	--	SC				HM	P						20 MIN	12	247	AS PER MANUFACTURER

NOT IN CONTRACT

BUSINESS - BUILDING NO. 3

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
301	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	53	301	
302	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	6	302	
303	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	6	303	
304	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	6	304	
305	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	6	305	
306	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	6	306	
307	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	6	307	
308	3-0 X 7-0	B	24X12	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	54	308	
309	3-0 X 7-0	B	24X12	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	54	309	
310	3-0 X 7-0	B	24X12	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	54	310	
311	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	6	311	
312	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	6	312	
313	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	6	313	
314	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	6	314	
315	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	53	315	
316	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	6	316	
317	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	6	317	
318	3-0 X 7-0	B	--	SC				HM	P		7/TD7	8/TD7	--	25/TD7	--	53	318	
319	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	58	319	
320	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	38	320	
321	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	38	321	
322	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	58	322	
323	3-0 X 7-0	B	--	SC				HM	P		2/TD7	2/TD7	--	--	--	38	323	

OFFICE OF THE STATE ARCHITECT
4927 MAY '88

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 28 1988
APPROVED
APPLICATION NO.

APPROVED
FIRE AND PANIC ONLY
JUN

Drawn By
Checked By
Date MARCH 1988
Commission No. 1.30.02

Revisions
A 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES

3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664

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Carlsbad, CA 92008-1995
619/438-5899

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

Door Schedule

Sheet Number
TD-1
Of Sheets

115348

DOOR SCHEDULE CONTINUED

KITCHEN / ASB / FACULTY LOUNGE - BUILDING NO. 4

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
401	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	54	401	
402	3-0 X 7-0	B	--	SC				HM	P		7/T07	3/T07	--	25/T07	--	6	402	
403	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	54	403	
404	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	6	404	
405	3-8 X 7-0	B	--	SC				HM	P		7/T07	9/T07	--	25/T07	--	54	405	
406	3-0 X 7-0	B	24X12	SC				HM	P		7/T07	3/T07	--	25/T07	--	35	406	
407	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	407	
408	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	408	
409	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	409	
410	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	410	
411	3-0 X 7-0	B	24X24	SC				HM	P		7/T07	8/T07	--	25/T07	--	55	411	
412	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	45 MIN	39	412	
413	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	20	413	
414	3-0 X 7-0	B	24X12	SC				HM	P		[illegible]	[illegible]	--	[illegible]	[illegible]	[illegible]	414	UNISEX HANDICAPPED SYMBOL PER DETAIL 7/TD-14
415	2-8 X 7-0	B	--	SC				HM	P		[illegible]	2/T07	--	[illegible]	[illegible]	[illegible]	415	
416	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	57	416	24" X 36" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
417	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	57	417	24" X 36" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
418	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	57	418	24" X 36" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
419	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	45 MIN	68	419	
420	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	45 MIN	36	420	
421	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	20 MIN	58	421	
422	3-0 X 7-0	B	--	SC				HM	P		3/T07	3/T07	--	--	20 MIN	15	422	MALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
423	3-0 X 7-0	B	--	SC				HM	P		3/T07	3/T07	-	--	20 MIN	15	423	FEMALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
424	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	-	--	--	62	424	
425	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	-	--	--	63	425	6" X 24" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
426	8-0 X 4-0	M	--	SS				SS			15/T07	21/T07	--	27/T07	--	12	426	AS PER MANUFACTURER
427	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	20 MIN	67	427	6" X 24" X 1/4" THICK WIRE GLASS VIEW WINDOW

NOT IN CONTRACT

WOODSHOP / CUSTODIAL - BUILDING NO. 5

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
501	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	6	501	P-2 INTERIOR FACE OF DOOR & FRAME
502	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	502	P-2 INTERIOR FACE OF DOOR & FRAME
503	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	503	P-2 INTERIOR FACE OF DOOR & FRAME
504	PR 3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	2/T06	8/T07	25/T07	--	66	504	P-2 INTERIOR FACE OF DOOR & FRAME
505	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	505	P-2 INTERIOR FACE OF DOOR & FRAME
506	PR 3-0 X 7-0	B	24X12	SC	P	P8		HM	P	P6	7/T07	2/T06	8/T07	25/T07	--	66	506	P-2 INTERIOR FACE OF DOOR & FRAME
507	NUMBER NOT USED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	507	P-2 INTERIOR FACE OF DOOR & FRAME
508	PR 3-10 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	2/T06	8/T07	25/T07	--	67	508	P-2 INTERIOR FACE OF DOOR & FRAME
509	3-0 X 7-0	B	24X24	SC	P	P7		HM	P	P6	7/T07	8/T07	--	25/T07	--	35	509	P-2 INTERIOR FACE OF DOOR & FRAME
510	10-0 X 10-0	F	--	MTL	P	P7		MTL		P6	24/T07	30/T07	--	--	--	12	510	AS PER MANUFACTURER - P-2 INTERIOR FACE OF DOOR & FRAME
511	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	54	511	P-2 INTERIOR FACE OF DOOR & FRAME
512	10-0 X 10-0	F	--	MTL	P	P7		MTL		P6	24/T07	30/T07	--	--	--	12	512	AS PER MANUFACTURER - P-2 INTERIOR FACE OF DOOR & FRAME
513	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	54	513	P-2 INTERIOR FACE OF DOOR & FRAME
514	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	--	37	514	
515	PR 3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	45 MIN	65	515	
516	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	--	59	516	
517	PR 3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	45 MIN	48	517	
518	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	--	64	518	
519	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	--	64	519	
520	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	3/T07	3/T07	--	--	20 MIN	42	520	UNISEX HANDICAPPED SYMBOL PER DETAIL 7/TD-14

ARTS AND CRAFTS - BUILDING NO. 6

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
601	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	6	601	
602	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	6	602	
603	3-0 X 7-0	B	24X12	SC				HM	P		7/T07	8/T07	--	25/T07	--	35	603	
604	3-0 X 7-0	B	24X12	SC				HM	P		7/T07	8/T07	--	25/T07	--	35	604	
605	3-0 X 7-0	B	(2)24X12	SC				HM	P		7/T07	8/T07	--	25/T07	--	35	605	
606	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	6	606	
607	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	6	607	
608	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	6	608	
609	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	6	609	
610	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	6	610	
611	3-0 X 7-0	B	--	SC				HM	P		7/T07	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	611	
612	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	[illegible]	[illegible]	[illegible]	63	612	
613	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	22	613	
614	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	45 MIN	68	614	
615	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	20 MIN	36	615	
616	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	45 MIN	36	616	
617	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	63	617	
618	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	45 MIN	68	618	
619	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	69	619	
620	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	70	620	
621	3-0 X 7-0	B	24X12	SC				HM	P		2/T07	2/T07	--	--	45 MIN	16	621	
622	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	57	622	

NOT IN CONTRACT

LANGUAGE - BUILDING NO. 7

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
701	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	701	P-2 INTERIOR FACE OF DOOR & FRAME
702	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	702	P-2 INTERIOR FACE OF DOOR & FRAME
703	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	703	P-2 INTERIOR FACE OF DOOR & FRAME
704	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	704	P-2 INTERIOR FACE OF DOOR & FRAME
705	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	705	P-2 INTERIOR FACE OF DOOR & FRAME
706	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	706	P-2 INTERIOR FACE OF DOOR & FRAME
707	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	707	P-2 INTERIOR FACE OF DOOR & FRAME
708	3-0 X 7-0	B	24x12	SC	P	P7		HM	P	P6	7/T07	8/T07	--	25/T07	--	35	708	P-2 INTERIOR FACE OF DOOR & FRAME
709	3-0 X 7-0	B	24x12	SC	P	P7		HM	P	P6	7/T07	8/T07	--	25/T07	--	35	709	P-2 INTERIOR FACE OF DOOR & FRAME
710	3-0 X 7-0	B	--	SC	WV			HM	P	P2	2/T07	2/T07	--	--	--	57	710	
711	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P2	2/T07	2/T07	--	--	--	57	711	
712	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P2	2/T07	2/T07	--	--	--	63	712	
713	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P2	2/T07	2/T07	--	--	--	57	713	
714	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P2	2/T07	2/T07	--	--	--	57	714	
715	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P2	2/T07	2/T07	--	--	--	63	715	
716	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P2	2/T07	2/T07	--	--	--	57	716	
717	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P2	2/T07	2/T07	--	--	--	57	717	
718	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P2	2/T07	2/T07	--	--	--	63	718	
719	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P2	2/T07	2/T07	--	--	--	57	719	
720	3-6 X 7-0	H	--	HM	P	P8		HM	P	P6	6/T07	12/T07	18/T07	25/T07	--	71	720	FEMALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
721	3-6 X 7-0	H	--	HM	P	P8		HM	P	P6	6/T07	12/T07	18/T07	25/T07	--	71	721	MALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12

HOME ECONOMICS BUILDING NO. 8

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
801	3-0 X 7-0	B	--	SC	P	P8		HM	P		7/T07	8/T07	--	25/T07	--	6	801	P-2 INTERIOR FACE OF DOOR & FRAME
802	3-0 X 7-0	B	--	SC	P	P8		HM	P		7/T07	8/T07	--	25/T07	--	6	802	P-2 INTERIOR FACE OF DOOR & FRAME
803	3-0 X 7-0	B	--	SC	P	P8		HM	P		7/T07	8/T07	--	25/T07	--	6	803	P-2 INTERIOR FACE OF DOOR & FRAME
804	3-0 X 7-0	B	24X12	SC	P	P7		HM	P		7/T07	8/T07	--	25/T07	--	73	804	P-2 INTERIOR FACE OF DOOR & FRAME
805	3-8 X 7-0	B	--	SC	P	P8		HM	P		7/T07	8/T07	--	25/T07	--	6	805	P-2 INTERIOR FACE OF DOOR & FRAME
806	3-0 X 7-0	B	24X12	SC	P	P7		HM	P		7/T07	8/T07	--	25/T07	45 MIN	72	806	P-2 INTERIOR FACE OF DOOR & FRAME
807	3-0 X 7-0	B	24x12	SC	P	P7		HM	P		7/T07	8/T07	--	25/T07	--	35	807	P-2 INTERIOR FACE OF DOOR & FRAME - FULL LOUVERED TRANSOM
808	3-0 X 7-0	B	--	SC	P	P8		HM	P		7/T07	8/T07	--	25/T07	--	6	808	P-2 INTERIOR FACE OF DOOR & FRAME
809	3-0 X 7-0	B	--	SC	P	P8		HM	P		7/T07	8/T07	--	25/T07	--	53	809	P-2 INTERIOR FACE OF DOOR & FRAME
810	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P2	2/T07	2/T07	--	--	--	58	810	
811	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P2	2/T07	2/T07	--	--	--	20	811	
812	3-0 X 7-0	B	24X12	SC	WV	WV-1		HM	P	P-2	3/T07	3/T07	--	--	--	42	812	UNISEX HANDICAPPED SYMBOL PER DETAIL 7/TD-14
813	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	--	--	--	58	813	
814	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	--	--	--	57	814	
815	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	--	--	--	57	815	
816	10-0 X 8-0	I	--	MTL	WWC			MTL		P-2	14/T07	20/T07	26/T07	--	--	12	816	PROVIDE DOOR TO CLOSE OFF ACCORDIAN DOOR STORAGE COMPARTMENT
817	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	87	817	P-2 INTERIOR FACE OF DOOR & FRAME

ENGLISH - BUILDING NO.9

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
901	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	901	
902	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	902	
903	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	903	
904	3-0 X 7-0	B	24X12	SC				HM	P		7/T07	8/T07	--	25/T07	--	74	904	
905	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	905	

ENGLISH - BUILDING NO.9 CONTINUED

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
906	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	906	
907	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	907	
908	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	908	
909	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	909	
910	3-0 X 7-0	B	24X12	SC				HM	P		7/T07	8/T07	--	25/T07	--	73	910	
911	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	911	
912	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	912	
913	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	913	
914	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	[illegible]	[illegible]	[illegible]	[illegible]	914	
915	3-0 X 7-0	B	--	SC				HM	P		2/T07	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	915	
916	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	62	916	
917	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	20	917	
918	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	20	918	
919	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	20	919	
920	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	20	920	
921	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	45 MIN	22	921	
922	3-0 X 7-0	B	--	SC				HM	P		5/T07	5/T07	--	--	--	20	922	
923	3-0 X 7-0	B	--	SC				HM	P		5/T07	5/T07	--	--	--	20	923	
924	3-0 X 7-0	B	--	SC				HM	P		5/T07	5/T07	--	--	--	20	924	
925	3-0 X 7-0	B	--	SC				HM	P		5/T07	5/T07	--	--	--	62	925	
926	3-0 X 7-0	B	--	SC				HM	P		5/T07	5/T07	--	--	--	20	926	
927	3-0 X 7-0	B	--	SC				HM	P		5/T07	5/T07	--	--	--	20	927	

NOT IN CONTRACT

LIBRARY - BUILDING NO. 10

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
1001	3-0 X 7-0	D	--	GL/HM	P	P8		HM	P	P8	7/T07	7/T07	13/T07	25/T07	--	78	1001	
1002	3-0 X 7-0	D	--	GL/HM	P	P8		HM	P	P8	7/T07	13/T07	--	25/T07	--	79	1002	
1003	3-0 X 7-0	D	--	GL/HM	P	P8		HM	P	P8	7/T07	13/T07	--	25/T07	--	79	1003	
1004	3-0 X 7-0	D	--	GL/HM	P	P8		HM	P	P8	7/T07	7/T07	13/T07	25/T07	--	79	1004	
1005	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	7/T07	8/T07	25/T07	--	6	1005	P-2 INTERIOR FACE OF DOOR & FRAME
1006	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	6	1006	P-2 INTERIOR FACE OF DOOR & FRAME
1007	3-8 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	6	1007	P-2 INTERIOR FACE OF DOOR & FRAME
1008	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	6	1008	P-2 INTERIOR FACE OF DOOR & FRAME
1009	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	45 MIN	18	1009	
1010	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	20 MIN	17	1010	
1011	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	--	20	1011	
1012	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	45 MIN	36	1012	
1013	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	3/T07	3/T07	--	--	45 MIN	22	1013	
1014	3-6 X 7-0	B	--	SC	P	P2		HM	P	P2	3/T07	3/T07	--	--	--	18	1014	
1015	3-0 X 7-0	B	--	SC	P	P6		HM	P	P6	3/T07	3/T07	--	--	20 MIN	41	1015	MALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
1016	3-0 X 7-0	B	--	SC	P	P6		HM	P	P6	3/T07	3/T07	--	--	20 MIN	41	1016	FEMALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
1017	--	--	--	MTL	P	P6		MTL	P	P6	--	--	--	--	20 MIN	12	1017	DOOR BY ELEVATOR MANUFACTURER
1018	3-0 X 7-0	D	--	GL/HM	P	P8		HM	P	P8	2/T07	2/T07	--	--	20 MIN	76	1018	
1019	3-0 X 7-0	D	--	GL/HM	P	P8		HM	P	P8	2/T07	2/T07	--	--	20 MIN	43	1019	
1020	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	--	75	1020	
1021	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	--	22	1021	
1022	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	--	20	1022	
1023	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	--	20	1023	
1024	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	--	18	1024	
1025	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	--	69	1025	PROVIDE GASKETS FOR LIGHT TIGHT DOOR
1026	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	--	41	1026	
1027	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	--	58	1027	
1028	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	--	58	1028	
1029	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	--	20	1029	
1030	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2						6	1030	P-2 INTERIOR FACE OF DOOR & FRAME

GUIDANCE CENTER - BUILDING NO. 10

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
1001A	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	--	18	1001A	
1002A	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	20 MIN	59	1002A	
1003A	--	--	--	MTL	P	P2		MTL	P	P2	--	--	--	--	20 MIN	12	1003A	DOOR BY ELEVATOR MANUFACTURER
1004A	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	20 MIN	87	1004A	
1005A	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	--	20	1005A	
1006A	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	45 MIN	16	1006A	
1007A	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	--	20	1007A	
1008A	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P-2	2/T07	2/T07	--	--	--	20	1008A	
1009A	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	--	20	1009A	
1010A	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	20 MIN	16	1010A	
1011A	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	20 MIN	16	1011A	
1012A	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	20 MIN	16	1012A	
1013A	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	45 MIN	36	1013A	
1014A	3-0 X 7-0	B	--	SC	P	P2		HM	P	P2	2/T07	2/T07	--	--	20 MIN	43	1014A	
1015A	3-0 X 7-0	B	--	SC	WV	WV2		HM	P	P2	2/T07	2/T07	--	--	20 MIN	89	1015A	

SPECIAL EDUCATION - BUILDING NO. 11

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
1101	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	1101	
1102	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	1102	
1103	3-0 X 7-0	B	24X12	SC				HM	P		7/T07	8/T07	--	25/T07	--	55	1103	
1104	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	1104	
1105	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	1105	
1106	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	57	1106	
1107	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	57	1107	
1108	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	20	1108	
1109	3-0 X 7-0	B	--	SC				HM	P		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1109	
1110	3-0 X 7-0	B	--	SC				HM	P		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1110	
1111	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	20	1111	
1112	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	57	1112	
1113	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	57	1113	
1114	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	45 MIN	80	1114	
1115	3-6 X 7-0	H	--	HM	P			HM	P		6/T07	6/T07	--	25/T07	--	71	1115	MALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
1116	3-6 X 7-0	H	--	HM	P			HM	P		6/T07	6/T07	--	25/T07	--	71	1116	FEMALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12

NOT IN CONTRACT

SCIENCE - BUILDING NO. 12

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
1201	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1201	P2 INTERIOR FACE OF DOOR & FRAME
1202	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1202	P2 INTERIOR FACE OF DOOR & FRAME
1203	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1203	P2 INTERIOR FACE OF DOOR & FRAME
1204	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1204	P2 INTERIOR FACE OF DOOR & FRAME
1205	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1205	P2 INTERIOR FACE OF DOOR & FRAME
1206	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	6	1206	P-2 INTERIOR FACE OF DOOR & FRAME
1207	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	6	1207	P-2 INTERIOR FACE OF DOOR & FRAME
1208	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1208	P-2 INTERIOR FACE OF DOOR & FRAME
1209	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1209	P-2 INTERIOR FACE OF DOOR & FRAME
1210	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1210	P-2 INTERIOR FACE OF DOOR & FRAME
1211	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1211	P-2 INTERIOR FACE OF DOOR & FRAME
1212	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1212	P-2 INTERIOR FACE OF DOOR & FRAME
1213	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	54	1213	P-2 INTERIOR FACE OF DOOR & FRAME
1214	3-0 X 7-0	B	24x12	SC	P	P7		HM	P	P6	7/T07	8/T07	--	25/T07	--	35	1214	P-2 INTERIOR FACE OF DOOR & FRAME - FULL LOUVERED TRANSOM
1215	3-0 X 7-0	B	24X12	SC	P	P7		HM	P	P6	7/T07	8/T07	--	25/T07	--	35	1215	P-2 INTERIOR FACE OF DOOR & FRAME
1216	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1216	P2 INTERIOR FACE OF DOOR & FRAME
1217	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1217	P-2 INTERIOR FACE OF DOOR & FRAME
1218	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1218	P-2 INTERIOR FACE OF DOOR & FRAME
1219	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	20 MIN	53	1219	P-2 INTERIOR FACE OF DOOR & FRAME
1220	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07		53	1220	P-2 INTERIOR FACE OF DOOR & FRAME
1221	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	8/T07	8/T07	--	25/T07	--	6	1221	P-2 INTERIOR FACE OF DOOR & FRAME
1222	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	8/T07	8/T07	--	25/T07	--	6	1222	P-2 INTERIOR FACE OF DOOR & FRAME
1223	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1223	P-2 INTERIOR FACE OF DOOR & FRAME
1224	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1224	P-2 INTERIOR FACE OF DOOR & FRAME
1225	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1225	P-2 INTERIOR FACE OF DOOR & FRAME
1226	3-0 X 7-0	B	--	SC	P	P8		HM	P	P6	7/T07	8/T07	--	25/T07	--	53	1226	P-2 INTERIOR FACE OF DOOR & FRAME
1227	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P2	2/T07	2/T07	--	--	1 HR	17	1227	6" X 12" X 1/4" THICK WIRE GLASS VIEW WINDOW
1228	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P2	2/T07	2/T07	--	--	1 HR	17	1228	6" X 12" X 1/4" THICK WIRE GLASS VIEW WINDOW
1229	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P2	2/T07	2/T07	--	--	1 HR	17	1229	6" X 12" X 1/4" THICK WIRE GLASS VIEW WINDOW
1230	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	--	--	1 HR	17	1230	6" X 12" X 1/4" THICK WIRE GLASS VIEW WINDOW
1231	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	--	--	45 MIN	16	1231	
1232	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	--	--	45 MIN	16	1232	
1233	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	--	--	1 HR	17	1233	6" X 12" X 1/4" THICK WIRE GLASS VIEW WINDOW
1234	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	--	--	1 HR	17	1234	6" X 12" X 1/4" THICK WIRE GLASS VIEW WINDOW
1235	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	--	--	1 HR	17	1235	6" X 12" X 1/4" THICK WIRE GLASS VIEW WINDOW
1236	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	--	--	--	41	1236	
1237	3-0 X 7-0	B	--	SC	P	P-2		HM	P	P-2	2/T07	2/T07	--	--	45 MIN	36	1237	
1238	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	--	--	60 MIN	17	1238	6" X 12" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
1239	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	--	--	60 MIN	17	1239	6" X 12" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
1240	3-0 X 7-0	B	--	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	--	--	20 MIN	36	1240	

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPROVED

FIRE AND PANIC SAFETY ONLY
JUN 20 1988
STATE FIRE MARSHAL
SOUTHERN REGION

Drawn By
Checked By
Date MARCH 1988
Commission No. 1.30.02

Revisions
△ 6/29/88 PHASING

Architects Planners
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Carlsbad, CA 92008-1995
619/438-5899

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

Door Schedule

Sheet Number
TD-2
Of Sheets

DOOR SCHEDULE CONTINUED

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
SCIENCE - BUILDING NO. 12 CONTINUED																		
1241	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	2/TD7	2/TD7	—	—	—	57	1241	
1242	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	2/TD7	2/TD7	—	—	—	57	1242	
1243	3-0 X 7-0	B	—	SC	P	P18		HM	P	P16	7/TD7	5/TD7	—	25/TD7	—	53	1243	
1244	PR 2-6 X 10-9	L	—	SC	LMB	—		HM	P	P-2			—	—	45 MIN	12	1244	AS PER MANUFACTURER
1245	3-0 X 7-0	B	—	SC	P	P18		HM	P	P-2	7/TD7	8/TD7	—	25/TD7	—	53	1245	
1246	3-0 X 7-0	B	—	AL	X	-		AL	X	-	—	—	—	—	—	12	1246	AS PER MANUFACTURER
1247	3-0 X 7-0	B	—	AL	X	-		AL	X	-	—	—	—	—	—	12	1247	AS PER MANUFACTURER
1248	3-0 X 7-0	B	—	SC	P	P2		HM	P	P-2	2/TD7	2/TD7	—	—	20 MIN	41	1248	
1249	3-0 X 7-0	B	—	AL	X	-		AL	X	-	—	—	—	—	—	12	1249	AS PER MANUFACTURER
1250	3-0 X 7-0	B	—	AL	X	-		AL	X	-	-	-	-	-	—	53	1250	
1251	40'-0" x VARIES	E	-		VWC			AL	X	-	11/TD7	17/TD7	23/TD7			12	1251	AS PER MANUFACTURER
MATH (RELOCATABLE) - BUILDING NO. 13																		
1301	3-0 X 7-0	B	—	SC				HM	P		7/TD7	4/TD7	—	25/TD7	—	53	1301	
1302	3-0 X 7-0	B	—	SC				HM	P		7/TD7	4/TD7	—	25/TD7	—	53	1302	
1303	3-0 X 7-0	B	—	SC				HM	P		7/TD7	4/TD7	—	25/TD7	—	53	1303	
1304	3-0 X 7-0	B	—	SC				HM	P		7/TD7	4/TD7	—	25/TD7	—	54	1304	
1305	3-0 X 7-0	B	—	SC				HM	P		7/TD7	4/TD7	—	25/TD7	—	53	1305	
1306	3-0 X 7-0	B	—	SC				HM	P		7/TD7	4/TD7	—	25/TD7	—	53	1306	
1307	3-0 X 7-0	B	—	SC				HM	P		7/TD7	4/TD7	—	25/TD7	—	53	1307	
1308	3-0 X 7-0	B	—	SC				HM	P		7/TD7	4/TD7	—	25/TD7	—	53	1308	
1309	3-0 X 7-0	B	—	SC				HM	P		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1309	
1310	3-0 X 7-0	B	—	SC				HM	P		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1310	
1311	3-0 X 7-0	B	—	SC				HM	P		7/TD7	4/TD7	—	25/TD7	—	54	1311	
1312	3-0 X 7-0	B	24X12	SC				HM	P		7/TD7	4/TD7	—	25/TD7	—	66	1312	
1313	3-0 X 7-0	B	—	SC				HM	P		7/TD7	4/TD7	—	25/TD7	—	53	1313	
1314	3-0 X 7-0	B	—	SC				HM	P		7/TD7	4/TD7	—	25/TD7	—	53	1314	
1315	3-0 X 7-0	B	—	SC				HM	P		7/TD7	4/TD7	—	25/TD7	—	53	1315	
1316	3-0 X 7-0	B	—	SC				HM	P		5/TD7	5/TD7	—	—	—	16	1316	
1317	3-0 X 7-0	B	—	SC				HM	P		5/TD7	5/TD7	—	—	—	16	1317	
1318	3-0 X 7-0	B	24X12	SC				HM	P		5/TD7	5/TD7	—	—	45 MIN	22	1318	
1319	3-0 X 7-0	B	—	SC				HM	P		5/TD7	5/TD7	—	—	—	16	1319	
1320	3-0 X 7-0	B	—	SC				HM	P		5/TD7	5/TD7	—	—	—	16	1320	

NOT IN CONTRACT

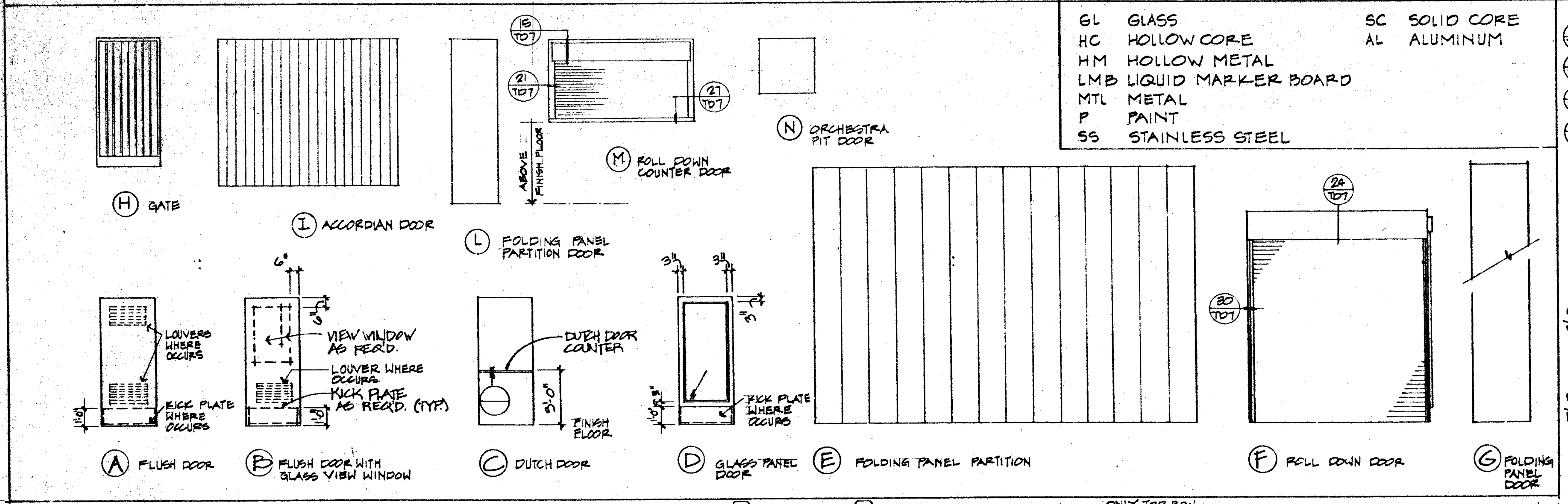
DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
SOCIAL STUDIES (RELOCATABLE) - BUILDING NO. 14																		
1401	3-0 X 7-0	B	—	SC	P	P18		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	53	1401	P-2 INTERIOR DOOR FACE & FRAME
1402	3-0 X 7-0	B	—	SC	P	P18		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	53	1402	P-2 INTERIOR DOOR FACE & FRAME
1403	3-0 X 7-0	B	—	SC	P	P18		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	53	1403	P-2 INTERIOR DOOR FACE & FRAME
1404	3-0 X 7-0	B	24X12	SC	P	P17		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	73	1404	P-2 INTERIOR DOOR FACE & FRAME - FULL LOUVERED TRANSOM
1405	3-0 X 7-0	B	—	SC	P	P18		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	53	1405	P-2 INTERIOR DOOR FACE & FRAME
1406	3-0 X 7-0	B	—	SC	P	P18		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	53	1406	P-2 INTERIOR DOOR FACE & FRAME
1407	3-0 X 7-0	B	—	SC	P	P18		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	53	1407	P-2 INTERIOR DOOR FACE & FRAME
1408	3-0 X 7-0	B	—	SC	P	P18		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	53	1408	P-2 INTERIOR DOOR FACE & FRAME
1409	3-0 X 7-0	B	—	SC	P	P18		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	53	1409	P-2 INTERIOR DOOR FACE & FRAME
1410	3-0 X 7-0	B	—	SC	P	P18		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	53	1410	P-2 INTERIOR DOOR FACE & FRAME
1411	3-0 X 7-0	B	—	SC	P	P18		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	53	1411	P-2 INTERIOR DOOR FACE & FRAME
1412	3-0 X 7-0	B	—	SC	P	P18		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	53	1412	P-2 INTERIOR DOOR FACE & FRAME
1413	3-0 X 7-0	B	24X12	SC	P	P17		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	74	1413	P-2 INTERIOR DOOR FACE & FRAME - FULL LOUVERED TRANSOM
1414	3-0 X 7-0	B	—	SC	P	P18		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	53	1414	P-2 INTERIOR DOOR FACE & FRAME
1415	3-0 X 7-0	B	—	SC	P	P18		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	53	1415	P-2 INTERIOR DOOR FACE & FRAME
1416	3-0 X 7-0	B	—	SC	P	P18		HM	P	P16	7/TD7	4/TD7	—	25/TD7	—	53	1416	P-2 INTERIOR DOOR FACE & FRAME
1417	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	20	1417	
1418	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	20	1418	
1419	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	62	1419	
1420	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	20	1420	
1421	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	20	1421	
1422	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	20	1422	
1423	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	20	1423	
1424	3-0 X 7-0	B	—	SC	P	P2		HM	P	P-2	5/TD7	5/TD7	—	—	45 MIN	60	1424	
1425	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	20	1425	
1426	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	62	1426	
1427	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	20	1427	
1428	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	20	1428	
1429	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	62	1429	
1430	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	20	1430	
1431	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	20	1431	
1432	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	20	1432	
1433	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	20	1433	
1434	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	5/TD7	5/TD7	—	—	—	20	1434	

DOOR COLOR LEGEND:

P-2	FRAZEE #5422M "ANTIQUARIAN GRAY"
P-6	FRAZEE #5535A "ARABIAN NIGHTS"
P-7	FRAZEE #5304 D "PLAZA"
P-8	FRAZEE CUSTOM COLOR #C212-598
P-9	FRAZEE #5313M "HERRINGBONE"
P-11	FRAZEE #5302M "MANHATTAN"
P-12	FRAZEE #5305A "MYTH"
P-16	FRAZEE #5394D "SAGEBRUSH"
P-17	FRAZEE #5372M "PATE"
P-18	FRAZEE #5233M "RAMONA"
VWC-7	WOLF GORDON MULTI-TONE #MTL3-300M "EMBERGLOW"
WV-1	WHITE OAK VENEER WITH CLEAR MATTE POLYURETHANE FINISH
WV-2	WALNUT VENEER STAINED TO MATCH SAMPLE SUBMITTED BY ARCHITECT AND FINISHED WITH CLEAR MATTE POLYURETHANE

1. MAXIMUM DOOR PRESSURE: 8.5 LBS PRESSURE FOR EXTERIOR DOORS
   5 LBS PRESSURE FOR INTERIOR DOORS
2. ALL HARDWARE FOR FIRE RESISTIVE LOCATIONS SHALL BE FIRE RATED BY AN APPROVED TESTING LABORATORY.
3. INTERIOR AND EXTERIOR DOOR SIGNAGE: ALLOT 20 VINYL LETTERS AND 4 VINYL NUMBERS FOR EACH DOOR. EXACT DOOR NAME AND NUMBERS SHALL BE DETERMINED BY THE ARCHITECT.
4. ALL FIRE RATED DOORS IN EXIT CORRIDORS AND LOBBIES SHALL BE PROVIDED WITH APPROVED SMOKE GASKETS AT TOP AND SIDES.
5. ALL EXIT DOORS IN SCHOOL BUILDINGS, INCLUDING BUT NOT LIMITED TO, DOORS IN TOILET ROOMS AND STORAGE ROOMS SHALL CONFORM WITH THE REQUIREMENTS OF SECTION 2-3304 TITLE 24 CAC. THE FOLLOWING ARE SOME REQUIREMENTS:
   - A. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
   - B. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30 INCHES AND 44 INCHES ABOVE THE FLOOR.
   - C. DEAD BOLTS MAYBE USED IF THE OCCUPANCY IS LESS THAN 10 PERSONS. DEAD BOLTS MUST BE MOUNTED BETWEEN 30 INCHES AND 44 INCHES ABOVE THE FLOOR AND MUST BE OPERABLE FROM THE INSIDE WITHOUT SPECIAL KNOWLEDGE OR EFFORT. DEAD BOLTS MUST BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE. LEVER SHALL RETRACT THE BOLT BUT WILL NOT RESET OR LOCK. THE BOLT MAY BE KEY OPERABLE FROM THE EXTERIOR SIDE.

Door Types

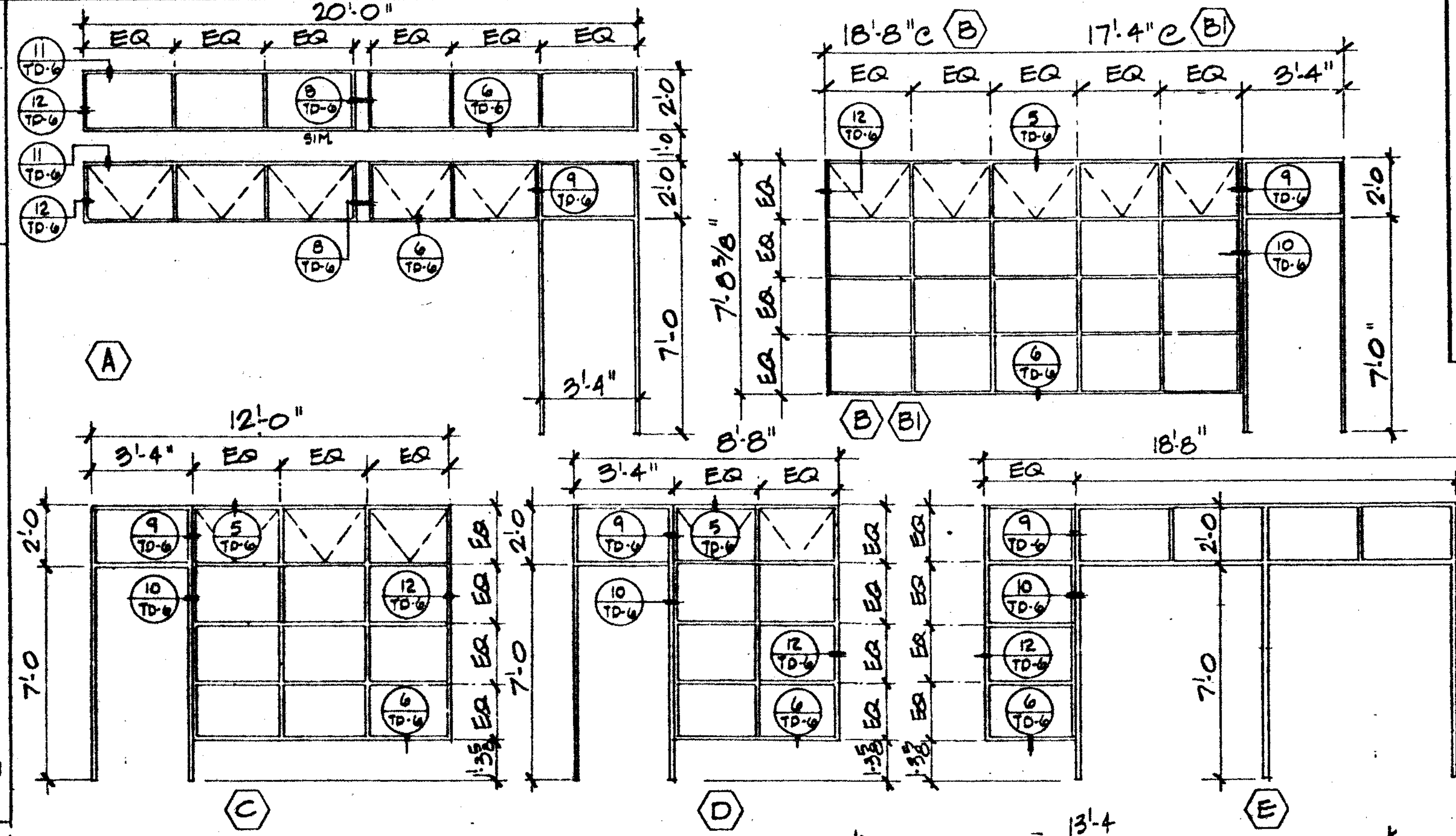


H GATE
I ACCORDIAN DOOR
L FOLDING PANEL PARTITION DOOR
M ROLL DOWN COUNTER DOOR
N ORCHESTRA PIT DOOR
ABOVE FINISH FLOOR
16 TD7
21 TD7
24 TD7
20 TD7
6"
3/4"
3/4"
LOUVERS WHERE OCCURS
KICK PLATE WHERE OCCURS
VIEW WINDOW AS REQ'D.
LOUVER WHERE OCCURS
KICK PLATE AS REQ'D. (TYP.)
DUTCH DOOR COUNTER
5'-0"
FINISH FLOOR
KICK PLATE WHERE OCCURS
A FLUSH DOOR
B FLUSH DOOR WITH GLASS VIEW WINDOW
C DUTCH DOOR
D GLASS PANEL DOOR
E FOLDING PANEL PARTITION
F ROLL DOWN DOOR
G FOLDING PANEL DOOR

Door Materials/Finishes

GL	GLASS	SC	SOLID CORE
HC	HOLLOW CORE	AL	ALUMINUM
HM	HOLLOW METAL		
LMB	LIQUID MARKER BOARD		
MTL	METAL		
P	PAINT		
SS	STAINLESS STEEL		

Exterior Window Types



20'-0"
EQ
18'-8" @ B
17'-4" @ B1
3'-4"
12'-0"
8'-8"
18'-8"
6'-0"
2'-0"
7'-0"
SIM
TD-6
A
B B1
C
D
E
F
G

8'-8"
12'-0"
15'-4" @ J
14'-8" @ J1
@ OVER HANG
6'-0"
ONLY TOP ROW OPERABLE @ K2
3'-4"
21'-4"
13'-4"
H H1 PROJECTED
ONLY TOP ROW OPERABLE @ H1
I PROJECTED
J J1 PROJECTED
K2 K K1 PROJECTED
L PROJECTED
M PROJECTED
N PROJECTED
O
P
MM
18'-8" @ S
17'-4" @ S1
Q PROJECTED
R FIXED
S S1 FIXED
T PROJECTED
U PASS-THRU
V PASS-THRU
W PASS-THRU
X PASS-THRU
Y PASS-THRU
10'-8"
14'-8"
18'-0"
34'-4"
Z PROJECTED
AA PROJECTED
BB PROJECTED
15'-4"
17'-4"
FF FIXED
20'-0"
19'-2"
CC PROJECTED
DD PROJECTED
EE PROJECTED
GG
HH
II
6'-4"
5'-4"
JJ FIXED
KK PRJECTED
8'-0"
1/4" THICK CLEAR GLASS
5'-0" TO FINISH FLR
LOUVERED SPEAKER HOLE - 4" OUTSIDE DIA.
12" X 6" PASS-THRU SLOT W/ SWING AWAY DOOR
LL TICKET WINDOW
SIM
TD-6
EQ

Window Notes

- GLAZING @ EXTERIOR WINDOWS SHALL BE GRAY TINTED FLOAT GLASS, TYP. GLAZING IN DOORS, WITHIN 18" OF THE FINISH FLOOR AND GLAZING IMMEDIATELY ADJACENT TO DOORS SHALL BE TEMPERED GRAY TINTED FLOAT GLASS, TYP. THICKNESS OF GLAZING SHALL COMPLY WITH UBC TABLE 54A & 54B FOR A WIND LOAD OF 20 POUNDS PER SQUARE FOOT.

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPROVED John P. McC
APPLICATION NO. PRINCIPAL STRUCTURAL ENGINEER

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88

APPROVED FIRE AND PANIC ONLY
JUN 10 1988
STATE FIRE MARSHAL

Drawn By
Checked By
Date MARCH 1988
Commission No 1.30.02

Revisions
A 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664
5751 Palmer Way, Suite C
Carlsbad, CA 92008-1995
619/438-5899

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Door Schedule
Door and Window Types

Sheet Number
TD-3
Of Sheets

715348

ROOM FINISH SCHEDULE

PHYSICAL EDUCATION - BUILDING NO. 1

ROOM NO	ROOM NAME	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN NOTES
		MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	
101	PASSAGE	C	C-7	RB/CT	RB-1/CT2	GWB/CT	CT-2	7'-0"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	VARIES	28
102	PASSAGE	C	C-7	RB/CT	RB-1/CT2	GWB/CT	CT-2	7'-0"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	VARIES	28
103	GYMNASIUM	WD	WD-1	RB	RB-1	--	--	--	GWB	FP	P-1	MB	X	--	GWB	FP	P-1	MB/GWB	X/FP	--/P-1	ES	X	P-1	ES	
104	GIRLS	MT	MT-1	CT	CT-1	--	--	--	GWB	CT	CT-1/CT-3	GWB	CT	CT-1/CT-3	GWB	CT	CT-1/CT-3	GWB	CT	CT-1/CT-3	GWB	SP	P-1	9'-0"	12
105	WEIGHT ROOM	VCT /WD	VCT2/WD-1	RB	RB-1	--	--	--	MB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWP	FP	P-1	ES	X	P-1	ES	
106	DANCE / WRESTLING	VCT /WD	VCT2/WD-1	RB	RB-1	--	--	--	MB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWP	FP	P-1	ES	X	P-1	ES	
107	WRESTLING MATS	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	9'-0"	
108	STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
109	ATHLETIC EQUIPMENT	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
110	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	3,29
111	BOYS	MT	MT-1	CT	CT-1	--	--	--	GWB	CT	CT1/CT4	GWB	CT	CT-1/CT-4	GWB	CT	CT1/CT4	GWB	CT	CT-1/CT-4	GWB	SP	P-1	9'-0"	12
112	CHAIR STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
113	GYMNASTICS EQUIPMENT	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	ES	
114	GYMNASTICS	VCT /WD	VCT2/WD-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ES	X	P-1	ES	
115	TRAINING	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	9'-0"	
116	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	10'-0"	
117	PASSAGE	VCT	VCT-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	12'-0"	
118	STORAGE	VCT	VCT-1	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
119	GIRLS	MT	MT-1	--	--	--	--	--	GWB	CT	CT-3	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	CPL	SP	P-1	9'-0"	12
120	MECHANICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	10'-0"	
121	TEAM ROOM	VCT	VCT-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-4	12'-0"	
122	SHOWERS	MT	MT-1	CT	CT-1	--	--	--	GWB	CT	CT-1	GWB	CT	CT-3	GWB	CT	CT-1	--	--	--	CPL	SP	P-1	9'-0"	
123	LOCKERS	VCT	VCT-1	RB	RB-1	--	--	--	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	ACP	X	ACP-4	12'-0"	
124	COACHES OFFICE	C	C-7	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	10'-0"	
125	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
126	WOMEN	MT	MT-1	--	--	--	--	--	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	CPL	SP	P-1	9'-0"	11
127	ATHLETIC EQUIPMENT	VCT	VCT-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	12'-0"	
128	MEN	MT	MT-1	--	--	--	--	--	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	CPL	SP	P-1	9'-0"	10
129	CONFERENCE	C	C-7	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
130	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	21
131	COACHES OFFICE	C	C-7	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	10'-0"	
132	LOCKERS	VCT	VCT-1	RB	RB-1	--	--	--	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	ACP	X	ACP-4	12'-0"	
133	SHOWERS	MT	MT-1	CT	CT-1	--	--	--	GWB	CT	CT-1	GWB	CT	CT-4	GWB	CT	CT-1	--	--	--	CPL	SP	P-1	9'-0"	
134	PASSAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	10'-0"	
135	STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
136	BOYS	MT	MT-1	--	--	--	--	--	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-4	GWB	CT	CT-1	CPL	SP	P-1	9'-0"	
137	MECHANICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	10'-0"	
138	PASSAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	10'-0"	
139	TEAM ROOM	VCT	VCT-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-4	12'-0"	
140	PASSAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	10'-0"	
141	PASSAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	10'-0"	

PREFORMING ARTS - BUILDING NO. 1

ROOM NO	ROOM NAME	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN NOTES
		MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	
101A	LOBBY	C	C-7	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP					GWB	FP		16'-0"	
102A	CONCESSION BOOTH	SV	SV-1	RB	RB-1	--	--	--	GWB	SP		GWB	SP		--	--	--	GWB	SP		GWB	SP	P-1	9'-0"	
103A	TICKET BOOTH	VCT	VCT-2	RB	RB-1	--	--	--	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP	P-1	9'-0"	
104A	LIGHT CONTROL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP		9'-0"	
105A	SOUND CONTROL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP		9'-0"	
106A	STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	16'-6"	
107A	LANDING	C	C-7	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP		9'-0"	
108A	LANDING	C	C-7	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP		9'-0"	
109A	VESTIBULE	C	C-7	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		--	--	--	GWB	FP		9'-0"	
110A	VESTIBULE	C	C-7	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP					GWB	FP		9'-0"	
111A	STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
112A	ELECTRICAL	CONC	--	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	15'-0"	
113A	VESTIBULE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP		VARIES	19
114A	VESTIBULE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP		VARIES	19
115A	VESTIBULE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP		VARIES	19
116A	VESTIBULE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP		VARIES	19
117A	VESTIBULE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP		VARIES	19
118A	VESTIBULE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP		VARIES	19
119A	OPERABLE WALL STORAGE	VCT	VCT-2	--	--	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP	P-1	--	20
120A	OPERABLE WALL STORAGE	VCT	VCT-2	--	--	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP	P-1	--	20
121A	CLASSROOM / THEATER SEATING	C/VCT	C-7/VCT-2	RB		--	--	--	GWB/AWC	FP/X		--	--	--	GWB/AWC	FP/X		GWB	FP		GWB	FP		VARIES	1
122A	CLASSROOM / THEATER SEATING	C/VCT	C-7/VCT-2	RB		--	--	--	GWB	FP		GWB/AWC	FP/X		OPW	X		--	--	--	GWB	FP		VARIES	
123A	CLASSROOM / THEATER SEATING	C/VCT	C-7/VCT-2	RB		--	--	--	OPW	FP		GWB/AWC	FP/X		GWB/AWC	FP/X		--	--	--	GWB	FP		VARIES	
124A	ORCHESTRA PIT	C	C-7	RB		--	--	--	CONC	FP	P-15	CONC	FP	P-15	CONC	FP	P-15	CONC	FP	P-15	--	--	--	--	
125A	STAGE	WD	P-15	RB		--	--	--	GWB	FP	P-15	GWB	FP	P-15	GWB	FP	P-15	GWB	FP	P-15	ES	X		50'-0"	
126A	TELECOMMUNICATIONS STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
127A	STAIR	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	ES/GWB	--/FP	P-1	VARIES	
128A	PASSAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP	P-1	14'-0"	
129A	PASSAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP	P-1	14'-0"	
130A	FACULTY OFFICE	C	C-5	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X		9'-0"	
131A	CONTROL ROOM	C	C-6	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X		9'-0"	
132A	TELECOMMUNICATIONS	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	ACP	X		16'-6"	
133A	CHORUS	C	C-6	RB	RB-2	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		ACP	X		16'-6"	7
134A	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		ACP	X		9'-0"	
135A	MUSIC LIBRARY	C	C-6	RB	RB-2	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		ACP	X		9'-0"	
136A	INSTRUMENT STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	12'-0"	
137A	DIMMER CONTROL ROOM	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	12'-0"	
138A	INSTRUMENTAL MUSIC	C	C-6	RB	RB-2	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		ACP	X		16'-6"	7
139A	INSTRUMENT STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X		12'-0"	
140A	PRACTICE ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X		12'-0"	
141A	PRACTICE ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X		12'-0"	
142A	PRACTICE ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X		12'-0"	
143A	PRACTICE ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X		12'-0"	
144A	COSTUME STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
145A	MUSIC LIBRARY	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X		9'-0"	
146A	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X		9'-0"	
147A	BOYS	MT	MT-1	MT	MT-1	CT	CT-4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	9'-0"	2
148A	GIRLS	MT	MT-1	MT	MT-1	CT	CT-4	48"	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	9'-0"	3
149A	DRESSING ROOM	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X		9'-0"	
150A	FACULTY OFFICE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X		9'-0"	
151A	DRESSING ROOM	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X		9'-0"	
152A	WHEEL CHAIR LIFT	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP		16'-6"	
153A	ORCHESTRA PIT STORAGE	CONC	--	RB	RB-1	--	--	--	CONC	FP	P-15	CONC	FP	P-15	CONC	FP	P-15	CONC	FP	P-15	CONC	FP	P-15	6'-3"	
154A	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	4
155A	BOILER ROOM	CONC	--	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	16'-6"	
156A	LADDER LANDING	ES	X			--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	--	20
157A	MECHANICAL LANDING	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	13'-0"	
158A	MECHANICAL PLATFORM	CONC	X	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	--	20
159A	CATWALK LANDING	ES	X			--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	--	20
160A	FIRE RISER ROOM	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	--	20
161A	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	15'-0"	

NOT IN CONTRACT

ADMINISTRATION - BUILDING NO. 2

ROOM NO	ROOM NAME	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN NOTES
		MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	
201	RECEPTION	C	C-2	RB	RB-2	--	--	--	CBV	--	--	GWB/CBV			GWB/CBV			GWB/CBV			GWB	FP	P-2	VARIES	
202	TREATMENT ROOM	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
203	TREATMENT ROOM	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
204	HEALTH CLERK	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
205	WAITING	SV	SV-1	RB	RB-1	--	--	--	GWB	VWC	VWC-2	GWB	VWC	VWC-2	GWB			GWB			ACP	X	ACP-1	9'-0"	
206	HANDICAP TOILET	MT	MT-1	MT	MT-1	CT	CT-1	48"	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	8'-0"	
207	PASSAGE	C	C-2	RB	RB-2	GWB/VWC	VWC-4	42"	GWB	VWC	VWC-3	GWB	VWC	VWC-3	--	--	--	GWB	VWC	VWC-3	GWB	FP	P-2	12'-0"	5,9
208	PASSAGE	C	C-2	RB	RB-2	GWB/VWC	VWC-4	42"	GWB	VWC	VWC-3	GWB	VWC	VWC-3	GWB	VWC	VWC-3	GWB	VWC	VWC-3	ACP	X	ACP-2	9'-0"	6,9
209	DUPLICATING	C	C-5	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
210	STORAGE	C	C-5	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	9'-0"	
211	PROGRAM	C	C-5	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-9	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
212	RECORDS	C	C-5	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-3	ACP	X	ACP-1	9'-0"	
213	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	4
214	S.P.O.	C	C-5	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-3	ACP	X	ACP-1	9'-0"	
215	WAITING	C	C-2	RB	RB-2	--	--	--	GWB	FP	P-2	--	--	--	GWB	VWC	VWC-7	GWB	VWC	VWC-7	ACP	X	ACP-1	9'-0"	
216	ATTENDANCE	RF	RF-1	RB	RB-2	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	VWC	VWC-7	--	--	--	ACP	X	ACP-1	9'-0"	7
217	FINANCE	C	C-5	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
218	CONFERENCE	C	C-3	RB	RB-1	--	--	--	GWB	VWC	VWC-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
219	WAITING	C	C-5	RB	RB-2	GWB/VWC	VWC-4	42"	GWB	VWC	VWC-3	GWB	VWC	VWC-3	GWB	VWC	VWC-7	--	--	--	ACP	X	ACP-2	9'-0"	
220	VICE PRINCIPAL	C	C-3	RB	RB-1	--	--	--	GWB	VWC	VWC-2	GWB	VWC	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
221	VICE PRINCIPAL	C	C-3	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	VWC	VWC-2	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
222	VICE PRINCIPAL	C	C-3	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	VWC	VWC-2	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
223	CONFERENCE	C	C-3	RB	RB-1	--	--	--	GWB	VWC	VWC-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
224	PRINCIPAL	C	C-3	RB	RB-1	--	--	--	GWB	VWC	VWC-9	GWB	VWC	VWC-9	GWB	VWC	VWC-9	GWB	VWC	VWC-9	ACP	X	ACP-1	9'-0"	
225	WORKROOM / STORAGE	RF	RF-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	

ADMINISTRATION - BUILDING NO. 2 CONTINUED

ROOM NO	ROOM NAME	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN NOTES
		MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	
226	MAIL	RF	RF-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
227	ELECTRICAL	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
228	TELEPHONE	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
229	COMPUTER	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
230	MECHANICAL	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1		20
231	MEN	MT	MT-1	CT	CT-1	--	--	--	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	SP	P-1	9'-0"	10
232	WOMEN	MT	MT-1	CT	CT-1	--	--	--	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	SP	P-1	9'-0"	11
233	VICE PRINCIPALS' SECRETARIES	C	C-2	RB	RB-2	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	ACP	X	ACP-2	9'-0"	
234	PASSAGE	C	C-2	RB	RB-2	GWB/VWC	VWC-4	42"	GWB	VWC	VWC-3	GWB	VWC	VWC-3	GWB	VWC	VWC-3	GWB	VWC	VWC-3	ACP/GWB	X/FP	ACP-2/P-2	VARIES	9
235	CLOSET	C	C-2	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	8'-0"	
236	CLOSET	C	C-2	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	8'-0"	

BUSINESS - BUILDING NO.3

ROOM NO	ROOM NAME	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN NOTES
		MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	
301	BUSINESS CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
302	BUSINESS CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
303	TYPING / WORDPROCESSING	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
304	COMPUTER STUDIES	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
305	COMPUTER STUDIES	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
306	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
307	TYPING / WORDPROCESSING	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
308	COMPUTER STUDIES	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
309	TYPING / WORDPROCESSING	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
310	STORAGE	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
311	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	6
312	ELECTRICAL	CONC	--	RB	RB-1	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	

NOT IN CONTRACT

KITCHEN / ASB / FACULTY LOUNGE - BUILDING NO. 4

ROOM NO	ROOM NAME	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN NOTES
		MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	
401	CENTRAL KITCHEN	QT	QT-1	QT	QT-1	--	--	--	GWB	PFP	PFP-2	GWB	PFP	PFP-2	GWB	PFP	PFP-2	GWB	PFP	PFP-2	GWB	SP	P-1	9'-0"	22,23
402	OFFICE	C	C-6	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	8'-0"	
403	CUSTODIAN	SV	SV-1	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	6'-0"	
404	TOILET	MT	MT-1	CT	CT-1	CT	CT-1	48"	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	3'-0"	
405	DRY STORAGE	SV		RB					GWB	SP		GWB	SP		GWB	SP		GWB	SP		GWB	SP	P-1	8'-0"	22,23
406	REFRIGERATOR									X			X			X			X		--	X	--	--	18,24
407	FREEZER									X			X			X			X		--	X	--	--	18,24
408	CUSTODIAN / ELECTRICAL	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	3'-0"	4
409	A.S.B. STORE	VCT	VCT-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB/WDS	FP/X	P-2/WDS-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	8
410	A.S.B. CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
411	MECHANICAL	CONC	--	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
412	PHONE BOOTH	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	8'-0"	
413	PHONE BOOTH	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	8'-0"	
414	PHONE BOOTH	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	9'-0"	
415	FACULTY WORKROOM	C	C-5	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
416	PASSAGE	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	9'-0"	
417	MEN	MT	MT-1	CT	CT-1	--	--	--	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	SP	P-1	9'-0"	10
418	WOMEN	MT	MT-1	CT	CT-1	--	--	--	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	SP	P-1	9'-0"	11
419	FACULTY SMOKING LOUNGE	C	C-1	RB	RB-2	GWB/VWC	VWC-3	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	9
420	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	9'-0"	4
421	FACULTY LOUNGE	C/RF	C-1/RF-1	RB	RB-2	GWB/VWC	VWC-3	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	9
422	DRESSING AREA	QT	QT-1	QT	QT-1	--	--	--	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	8'-0"	

WOODSHOP / CUSTODIAL - BUILDING NO. 5

ROOM NO	ROOM NAME	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN NOTES
		MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	
501	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
502	TEXTBOOK STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	10'-0"	
503	WOOD STORAGE	VCT	VCT-2	RB	RB-1	GWB/PLY	P-1/PLY-1	7'-0"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	15'-0"	
504	WOODSHOP	VCT	VCT-2	RB	RB-1	GWB/PLY	P-1/PLY-1	7'-0"	GWB	FP/ACP	P-1/ACP5	GWB	FP	P-1	GWB	FP/ACP	P-1/ACP-5	GWB	FP/ACP	P-1/ACP-5	GWB	FP	P-1	15'-0"	17,25
505	OFFICE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	9'-0"	
506	FINISHING ROOM	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
507	PROJECT ROOM	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	10'-0"	
508	CUSTODIAN / MAINTENANCE	VCT	VCT-2	RB	RB-1	GWB/PFP	P-2/PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	10'-0"	2
509	TOILET	MT	MT-1	MT	MT-1	GWB/PFP	P-1 PFP-1	48"	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	8'-0"	
510	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
511	THEATER SET STORAGE	VCT	VCT-2	RB	RB-1	GWB/PLY	P-2/PLY-1	7'-0"	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	10'-0"	

ARTS AND CRAFTS - BUILDING NO. 6

ROOM NO	ROOM NAME	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN NOTES
		MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	
601	CRAFTS	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	9'-0"	7
602	LOCKERS	CONC	--	--	--	--	--	--	CPL			CPL			CPL			CPL			CPL			9'-0"	
603	ART	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	9'-0"	7
604	OFFICE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
605	CLAY STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
606	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	4
607	ELECTRICAL	CONC	--	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
608	MECHANICAL	CONC	--	RB	RB-1	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
609	PASSAGE	VCT	VCT-2	RE	RB-1	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	9'-0"	7
610	WORKROOM	VCT	VCT-2	RB	RB-1	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
611	STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
612	PHOTOGRAPHY	VCT	VCT-2	RB	RB-1	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
613	DARK ROOM	SV	SV-1	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	FP	P-2	9'-0"	
614	VESTIBULE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-16	GWB	FP	P-16	GWB	FP	P-16	GWB	FP	P-16	GWB	FP	P-16	9'-0"	
615	CLOSET	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
616	PRINT ROOM	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	ACP	X	ACP-1	9'-0"	
617	PORTRAIT STUDIO	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
618	DRAFTING / GRAPHICS	VCT	VCT-2	RB	RB-1	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7

NOT IN CONTRACT

LANGUAGE - BUILDING NO.7

ROOM NO	ROOM NAME	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN NOTES
		MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	
701	WOMEN	MT	MT-1	CT	CT-1	--	--	--	GWB	CT	CT-1/CT-3	GWB	CT	CT-1/CT-3	GWB	CT	CT-1/CT-3	GWB	CT	CT-1/CT-3	CPL	SP	P-1	9'-0"	12
702	MEN	MT	MT-1	CT	CT-1	--	--	--	GWB	CT	CT-1/CT-4	GWB	CT	CT-1/CT-4	GWB	CT	CT-1/CT-4	GWB	CT	CT-1/CT-4	CPL	SP	P-1	9'-0"	12
703	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
704	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
705	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
706	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
707	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
708	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
709	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
710	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
711	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	3
712	GROUP STUDY / CONFERENCE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
713	GROUP STUDY	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
714	GROUP STUDY	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
715	GROUP STUDY	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
716	GROUP STUDY	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
717	GROUP STUDY	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
718	GROUP STUDY	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	

HOME ECONOMICS - BUILDING NO. 8

ROOM NO	ROOM NAME	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN NOTES
		MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	
801	SINGLE SURVIVAL	SV	SV-1	RB	RB-1	--	--	--	GWB	SP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	8
802	CHILD DEVELOPMENT	C/SV	C-6/SV-1	RB	RB-1	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
803	CLASSROOM / DINING ROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
804	OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
805	TOILET	MT	MT-1	CT	CT-1	CT	CT-1	48"	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	9'-0"	
806	CLASSROOM / LECTURE	C	C-6	RB	RB-1	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
807	FOODS ROOM	SV	SV-1	RB	RB-1	--	--	--	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	ACP	X	ACP-1	9'-0"	
808	LAUNDRY	SV	SV-1	RB	RB-1	--	--	--	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	8'-0"	
809	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
810	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	2
811	WATER HEATER	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	

Drawn By
Checked By
Date MARCH 1988
Commission No. 1.30.02

Revisions
A 6/29/88 PHASING

A 49 27 MAY 1988

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664
5751 Palmer Way, Suite C
Carlsbad, CA 92008-1995
619/438-5899

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Room Finish Schedule
A 49 275 JUN 22 1988
APPROVED
John P. M. C

FIRE AND PANIC ONLY
JUN 10 1988
STATE FIRE MARSHAL
SOUTHERN REGION

Sheet Number
TD-4
Of Sheets

ROOM FINISH SCHEDULE CONTINUED

ENGLISH - BUILDING NO. 9

ROOM	ROOM	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN
NO	NAME	MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	NOTES
901	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
902	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
903	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
904	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
905	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
906	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-2	ACP	X	ACP-1	9'-0"	7
907	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
908	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
909	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
910	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	4
911	STORAGE	SV	SV-1	RB	RB-1	--	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
912	ELECTRICAL	CONC	--	RB	RB-1	--	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
913	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
914	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
915	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
916	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
917	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
918	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
919	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
920	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-2	ACP	X	ACP-1	9'-0"	

NOT IN CONTRACT

LIBRARY - BUILDING NO. 10

ROOM	ROOM	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN
NO	NAME	MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	NOTES
1001	ALTERNATIVE LEARNING CENTER	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
1002	CLOSET	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	8'-0"	
1003	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1004	STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
1005	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	4
1006	FACULTY WOMEN	MT	MT-1	--	--	--	--	--	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	SP	P-1	9'-0"	11
1007	FACULTY MEN	MT	MT-1	--	--	--	--	--	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	CT	CT-1/CT-2	GWB	SP	P-1	9'-0"	10
1008	ELEVATOR SHAFT	CONC	--	--	--	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	--	20
1009	STAIRS	RF	RF-1	RB	RB-2	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	VARIES	
1010	PASSAGE	RF	RF-1	RB	RB-2	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	ACP	X	ACP-1	9'-0"	
1011	FOYER	RF	RF-1	RB	RB-2				GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	VARIES	
1012	PASSAGE	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	
1013	CONFERENCE / FILM PREVIEW	C	C-4	RB	RB-2	--	--	--	GWB	VWC	VWC-6	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	
1014	REPAIR	RF	RF-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1015	REC.	RF	RF-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1016	DARK ROOM	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	ACP	X	ACP-1	9'-0"	
1017	GRAPHICS	C	C-5	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-14	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1018	TYPING / COMPUTER USE	C	C-5	RB	RB-2	--	--	--	GWB	FP	P-1/P-4	GWB	FP	P-1/P-4	GWB	FP	P-1/P-4	GWB	FP	P-1/P-4	ACP	X	ACP-1	9'-0"	13
1019	BOOK REPAIR	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	
1020	LIBRARY TECH.	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	14,7
1021	STACKS	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	VARIES	7
1022	MEDIA USE	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-2	ACP	X	ACP-3	9'-0"	
1023	MEDIA	C	C-5	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-3	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1024	STUDY	C	C-1	RB	RB-2	--	--	--	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	VARIES	7
1025	QUIET STUDY	C	C-5	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	13
1026	LIBRARIAN OFFICE	C	C-5	RB	RB-2	--	--	--	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	
1027	REFERENCE	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	
1028	STAIRS	RF	RF-1	RB	RB-2	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	VARIES	
1029	MAGAZINES	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1030	ELEVATOR MACHINE ROOM	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	

GUIDANCE CENTER - BUILDING NO. 10

ROOM	ROOM	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN
NO	NAME	MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	NOTES
1001A	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
1002A	COMMUNICATIONS	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	9'-0"	
1003A	PASSAGE	RF	RF-1	RB	RB-2	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	ACP	X	ACP-1	9'-0"	
1004A	WAITING	C	C-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	VARIES	
1005A	RECEPTION	C	C-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	P-1	VARIES	
1006A	CAREER CENTER	C	C-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB/ACP	FP/X	P-1/ACP-3	VARIES	15,8
1007A	G.I.S. OFFICE	C	C-5	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-3	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1008A	COUNSELOR	C	C-5	RB	RB-1	--	--	--	GWB	FP	P-3	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1009A	STORAGE	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-4	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	ACP	X	ACP-1	9'-0"	
1010A	G.I.S. OFFICE	C	C-5	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1011A	COUNSELOR	C	C-5	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-2	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1012A	G.I.S. OFFICE	C	C-5	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-3	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1013A	COUNSELOR	C	C-5	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-2	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1014A	STORAGE / CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	P-1/PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	4
1015A	CONFERENCE	C	C-3	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	VWC	VWC-2	ACP	X	ACP-3	9'-0"	
1016A	PASSAGE	C	C-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB/ACP	FP/X	P-1/ACP-3	9'-0"	
1017A	PASSAGE	C	C-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	

SPECIAL EDUCATION - BUILDING NO. 11

ROOM	ROOM	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN
NO	NAME	MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	NOTES
1101	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
1102	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
1103	TIME-OUT ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1104	TIME-OUT ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1105	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
1106	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9'-0"	
1108	TIME-OUT ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1109	TIME-OUT ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1110	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1111	MEN	MT	MT-1	--	--	--	--	--	GWB	CT		GWB	CT		GWB	CT		GWB	CT		CPL	SP	P-1	9'-0"	12
1112	WOMEN	MT	MT-1	--	--	--	--	--	GWB	CT		GWB	CT		GWB	CT		GWB	CT		CPL	SP	P-1	9'-0"	12
1113	CUSTODIAL	CONC	--	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	26
1114	ELECTRICAL	CONC	--	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	

NOT IN CONTRACT

SCIENCE - BUILDING NO. 12

ROOM	ROOM	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN
NO	NAME	MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	NOTES
1201	EARTH / PHYSICAL SCIENCE	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-14	ACP	X	ACP-1	9'-0"	8
1202	BIOLOGY	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-14	ACP	X	ACP-1	9'-0"	8
1203	PHYSICS	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-14	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	8
1204	BIOLOGY	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-14	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	8
1205	PHYSICS / BIOLOGY PREP.	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	8
1206	SCIENCE / LECTURE	C	C-6	RB	RB-1	GWB/FP	P-2	32"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB/ACP	FP/X	P-1/ACP-1	10'-0"	16,27
1207	BIOLOGY	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-3	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1208	CHEMISTRY	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-3	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1209	BIOLOGY	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-3	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1210	HORTICULTURE	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-3	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1211	CHEMISTRY	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-3	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	8
1212	CHEMISTRY / BIOLOGY PREP.	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	8
1213	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1214	CONFERENCE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1215	CONFERENCE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1216	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	2
1217	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
1218	PASSAGE	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1219	WATER HEATER	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	
1220	STORAGE	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
1221	OPERABLE WALL STORAGE	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	27
1222	PASSAGE	SV	SV-1	RB	RB-1	--	--	--	CBV	X	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	VARIES	
1223	GREENHOUSE	CONC	X	--	--	--	--	--	CBV/CPL	X/SP	--/P-2	GL	X	—	GL	X	—	GL/CPL	X/SP	-/P-2	GL	X	—	VARIES	30

MATH (RELOCATABLE) - BUILDING NO. 13

ROOM	ROOM	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN
NO	NAME	MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	NOTES
1301	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1302	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1303	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1304	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1305	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1306	CLASSROOM	C	C-6	RB	RB-2	--	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1307	FACULTY OFFICE	C	C-6	RB	RB-1	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1308	ELECTRICAL	CONC	--	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
1309	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	3
1310	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7

NOT IN CONTRACT

MATH (RELOCATABLE) - BUILDING NO. 13 CONTINUED

ROOM	ROOM	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN
NO	NAME	MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	NOTES
1311	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1312	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1313	CLASSROOM	C	C-6	RB	RB-2	--	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1314	CLASSROOM	C	C-6	RB	RB-2	--	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1315	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7

NOT IN CONTRACT

SOCIAL STUDIES (RELOCATABLE) - BUILDING NO. 14

ROOM	ROOM	FLOOR		BASE		WAINSCOT			NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING				RM FIN
NO	NAME	MATL	COL	MATL	COL	MATL	COL	HT	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	MATL	FIN	COL	HT	NOTES
1401	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1402	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1403	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1404	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1405	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1406	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1407	FACULTY OFFICE	C	C-6	RB	RB-1	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1408	FACULTY OFFICE	C	C-6	RB	RB-1	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1409	FACULTY OFFICE	C	C-6	RB	RB-1	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1410	STORAGE	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
1411	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
1412	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	3
1413	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1414	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1415	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1416	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1417	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1418	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1419	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1420	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1421	FACULTY OFFICE	C	C-6	RB	RB-1	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1422	FACULTY OFFICE	C	C-6	RB	RB-1	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1423	FACULTY OFFICE	C	C-6	RB	RB-1	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1424	FACULTY OFFICE	C	C-6	RB	RB-1	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	

Finish Notes

1. SEE ELEVATIONS FOR LOCATION OF ACOUSTICAL WALL PANELS.
2. WAINSCOT @ N & E WALLS ONLY
3. WAINSCOT @ N & W WALLS ONLY
4. WAINSCOT @ S & W WALLS ONLY
5. WAINSCOT @ E & W WALLS ONLY
6. WAINSCOT @ N & S WALLS ONLY
7. TACK SURFACES TO BE #VWC-7
8. TACK SURFACES TO BE #VWC-8
9. CHAIRAIL LOCATION. CENTERLINE OF CHAIRAIL TO BE LOCATED @ HEIGHT OF WAINSCOT.
10. TOILET PARTITIONS ARE TO BE #P-6
11. TOILET PARTITIONS ARE TO BE #P-12
12. TOILET PARTITIONS ARE TO BE SELECTED FROM STANDARD COLOR RANGE BY ARCHITECT.
13. #P-4 TO BE 6" HIGH ACCENT STRIPE @ ALL WALLS. LOCATE @ 6'-6" A.F.F. TO BOTTOM OF STRIPE.
14. COLUMN @ CABINETRY TO BE PAINTED #P-2.
15. EXTERIOR OF SHAFT TO BE PAINTED #P-2 @ ALL SIDES.
16. HANDRAIL TO BE PAINTED #P-8 W/HIGH GLOSS FINISH.
17. WAINSCOT @ N S & W WALLS.
18. FINISHES IN WALK-IN REFRIGERATOR AND FREEZER BY EQUIPMENT MANUFACTURER.
19. CEILING HEIGHT IS 9'-0" FROM HIGHEST FLOOR ELEVATION.
20. GYPSUM BOARD APPLIED TO BOTTOM OF STRUCTURAL FRAMING.
21. WAINSCOT @ E S @ S W WALLS ONLY.
22. ALL WALLS IN CONTACT WITH OR WITHIN 6" OF RANGES, FRYERS, BROILERS, OVENS, AND OTHER COOKING EQUIPMENT SHALL BE CONSTRUCTED OF FIRE RESISTIVE MATERIALS CONFORMING TO LOCAL CODE REQUIREMENTS AND THE STATE FIRE MARSHAL'S RULINGS.
23. ALL UNPROTECTED WALL AND COLUMN CORNERS IN KITCHEN AND SERVING AREAS SHALL BE PROVIDED WITH VERTICAL 14 GAUGE STAINLESS STEEL BULL-NOSED BUMPER GUARDS, 6'-0" HIGH, SET IN PLACE WITH ADHESIVE OR CONCEALED FASTENERS.
24. CEILING HEIGHT PER MANUFACTURER'S STANDARD.
25. APPLY ACP BETWEEN WAINSCOT AND CEILING.
26. WAINSCOT @ S & E WALLS ONLY.
27. CEILING HEIGHT MEASURED FROM FINISH FLOOR ELEVATION 406.0".
28. CERAMIC TILE WAINSCOT AND BASE @ WALL BEHIND DRINKING FOUNTAIN ONLY
29. PORTION OF GYPSUM BOARD CEILING @ UNDERSIDE OF STRUCTURE. SEE REFLECTED CEILING PLAN.
30. BY GREENHOUSE MANUFACTURER.

Materials Legend

ACP	ACOUSTICAL CEILING PANEL
AWC	ACOUSTICAL WALL COVERING
C	CARPET
CBV	CONCRETE BLOCK VENEER
CONC	SEALED CONCRETE
CPL	CEMENT PLASTER
CT	CERAMIC TILE
ES	EXPOSED STRUCTURE
GL	GLASS (GREENHOUSE)
GWB	GYPSUM WALL BOARD
MB	MASONRY BLOCK
MT	CERAMIC MOSAIC TILE
OPW	OPERABLE WALL
PFP	PREFINISHED WALL
PLYWD	4X8X3/8" THICK PLYWOOD
QT	QUARRY TILE
RB	RESILIENT BASE
RF	RUBBER FLOORING
SV	SEAMLESS VINYL FLOORING
VCT	VINYL COMPOSITION TILE
VTS	VINYL TACK SURFACE
WD	WOOD FLOORING
WDS	WALL DISPLAY SYSTEM
VWC	VINYL WALLCOVERING

Finish Legend

CT	CERAMIC TILE
FP	FLAT PAINT (LO-GLO FINISH)
PFP	PREFINISHED PANEL
PLYWD	4X8X3/8" THICK PLYWOOD
SP	SEMI GLOSS PAINT
ST	STAIN
VWC	VINYL WALL COVERING
X	FACTORY FINISH

Interior Color/Material Legend

Manufacturers listed are for color, texture and/or pattern designation only. Products of other manufacturers which are equal in color, texture and/or pattern may be substituted subject to specification requirements.

I.D.	ITEM	DESCRIPTION
ACP 1	Acoustical Ceiling Panel	USG Acoustone 24" x 48" x 3/4" #136 "F" Fissured, color: White w/ grid to match.
ACP 2	Acoustical Clg Panel	USG Auratone #56853 Designer Square I 24" x 24" x 3/4" w/ Natural Fissured II Perforation pattern, color: Shadow Donn Ceiling Grid in "Shadow" to match.
ACP 3	Acoustical Clg. Panel	USG Auratone #56853 Designer Square I 24" x 24" x 3/4" w/ Natural Fissured II Perforation pattern, color: White w/ grid to match.
ACP 4	Acoustical Clg. Panel	ARMSTRONG Cerameguard #602A 24" x 48" x 5/8" Lay-in, color: White w/ grid to match.
ACP 5	Acoustical Clg. Panel	USG Auratone 12" x 12" x 5/8" #660 "Surf," color: White (for use on wall surface)
AWC 1	Acoust. Wallcovering	MODERNFOLD Carpet #20608-28 Dove Grey
C 1	Carpet	MOHAWK Color Accent #CLA/710 Stone
C 2	Carpet	MOHAWK Color Point #CLP/710 Stone
C 3	Carpet	PACIFIC CREST Crystal 42 #CR-33 Sky Blue
C 4	Carpet	PACIFIC CREST Crystal 42 #CR-11 Victorian
C 5	Carpet	MOHAWK Theme #CTH/710 Stone
C 6	Carpet	MOHAWK Ironstone, custom color #3506A
C 7	Carpet	BENTLEY Stonegate #340-664 Rhinestone
CT 1	Ceramic Wall Tile	DAL TILE #D-100 Dal White 4 1/4" x 4 1/4" in scored pattern "D" w/ Custom Bldg. Products grout #11 Snow White.
CT 2	Ceramic Wall Tile	DAL TILE #D-1466 Fife Gray 4 1/4" x 4 1/4" in scored pattern "D" w/ Custom Bldg. Products grout #11 Snow White.
CT 3	Ceramic Wall Tile	DAL TILE #D-1468 Lilac 4 1/4" x 4 1/4" in scored pattern "D" w/ Custom Bldg. Products grout #11 Snow White.
CT 4	Ceramic Wall Tile	DAL TILE #D-1462 Teal 4 1/4" x 4 1/4" in scored pattern "D" w/ Custom Bldg. Products grout #11 Snow White.
MT 1	Mosaic Floor Tile	DAL TILE #DK-1466 Fife Gray 2 1/16" x 2 1/16" w/ Custom Bldg. Products grout #165 Delorean Gray.
OPW 1	Operable Wall	SEE SPECIFICATIONS MANUAL Finish to be MODERNFOLD Carpet #20608-28 (or equal)
P 1	Paint	FRAZEE #5420W Polar Bear
P 2	Paint	FRAZEE #5422M Antiquarian Gray
P 3	Paint	FRAZEE #5522M Cambridge
P 4	Paint	FRAZEE #5514D Castle Rock
P 5	Paint	OMIT
P 6	Paint	FRAZEE #5535A Arabian Nights
P 7	Paint	FRAZEE #5304D Plaza
P 8	Paint	FRAZEE custom color #CZ12-598
P 9	Paint	FRAZEE #5313M Herringbone
P 10	Paint	FRAZEE #5311W Gray Hint
P 11	Paint	FRAZEE #5302M Manhattan
P 12	Paint	FRAZEE #5305A Myth
P 13	Paint	FRAZEE #5435N Charcoal
P 14	Paint	FRAZEE #5523M Cape Cod Blue
P 15	Paint	FRAZEE (flat black)
PFP 1	Prefinished Panel	MARLITE Designer Panel #C-63 Polar White c/w edge and corner moldings.
PFP 2	Prefinished Panel	SEE SPECIFICATIONS MANUAL
PLY 1	Plywood	4'-0" w x 3/8" thick plywood to 7'-0" a.f.f. w/ Frazee Madera Semi-Transparent stain #609.
QT 1	Quarry Tile	AMERICAN OLEAN #Q-16 Gray Flash 6" x 6"
RB 1	Resilient Base	ROPPE 4" rubber topset #75 Slate
RB 2	Resilient Base	ROPPE 4" rubber topset #85 Burgandy
RF 1	Rubber Flooring	ROPPE low profile, radial rubber tile and stair tread (sq. nose) w/ risers and 10 " stringers to match. Color: #185 Burgandy.
SV 1	Seamless Vinyl	TAKISTLON Starlon Tessera #71-545
VCT 1	Vinyl Composition Tile	AZROCK checkered pattern w/ Genera Marble #VL-108 Agate White & Custom Cortina #V-848 Dove White See pattern sheet ______.
VCT 2	Vinyl Composition Tile	AZROCK Custom Cortina #V-848 Dove White
VCT 3	Vinyl Composition Tile	TARKETT Expressions Thru-Chip #4518
VWC 1	Wallcovering	FRAZEE Lanark, Raipur #43582 Haze
VWC 2	Wallcovering	FRAZEE Lanark, Cardiff #41360 Beryl
VWC 3	Wallcovering	FRAZEE Lanark, Cardiff #41350 Misty
VWC 4	Wallcovering	FRAZEE Lanark, Cardiff #41361 Teal Blue
VWC 5	Wallcovering	OMIT
VWC 6	Wallcovering	KINNEY Genon, Highland #2-19-NA
VWC 7	Wallcovering	WOLF GORDON Multitone #MTL3-300M Emberglow
VWC 8	Wallcovering	WOLF GORDON Multitone #MLT3-287M Emerald
VWC 9	Wallcovering	FRAZEE Tower, Pebble Tweed #43166 Whisper
VWC 10	Wallcovering	FRAZEE Westport, Stonedust #07-WMD-27
WD 1	WOOD FLOORING	SEE SPECIFICATIONS MANUAL
WDS 1	Wall Display System	SHOWALL Display Wall System 8' x 4' panels w/ T Grooves 3" on center. Color to be selected from decorator standards w/ high luster finish.

Exterior Color/ Material Legend

EXTERIOR FINISH/COLOR SCHEDULE

FINISH

CB: CONCRETE BLOCK
CBV: CONCRETE BLOCK VENEER
CP: CONCRETE PAVING
EP: EXTERIOR PLASTER
P: PAINT
PMR: PREFINISHED METAL ROOFING

COLORS

CB-1 OR CBV-1 ANGELUS BLOCK COLOR #204
CB-2 OR CBV-2 ANGELUS BLOCK STANDARD GREY

CP-1 CHORMIX C-33 INTEGRAL COLOR
CP-2 STANDARD GREY

EP-1 INTEGRAL COLOR TO MATCH FRAZEE #5371W "ANCESTRAL"
EP-2 INTEGRAL COLOR TO MATCH FRAZEE #5232M "RAMONA"
EP-3 INTEGRAL COLOR TO MATCH FRAZEE #5940W "SIROCCO"

P-16 FRAZEE #5394D "SAGEBRUSH"
P-17 FRAZEE #5372M "PATE"
P-18 FRAZEE #5233M "RAMONA"

PMR-1 TO MATCH FRAZEE #5370W "CEYLON IVORY"

NOTE: METAL HANDRAILS, GATES, SIGNAGE AND MISCELLANEOUS GRAPHICS TO BE SELECTED FROM FRAZEE 5145N THRU 5140W COLOR RANGE BY ARCHITECT.

FOR TYPICAL COLOR LOCATIONS SEE SHEET TD-13

JUN 20 1988
STATE FIRE MARSHAL
SOUTHERN REGION

Drawn By
Checked By
Date MARCH 1988
Commission No. 1.30.02

Revisions
A 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664
5751 Palmer Way, Suite C
Carlsbad, CA 92008-1995
619/438-5899

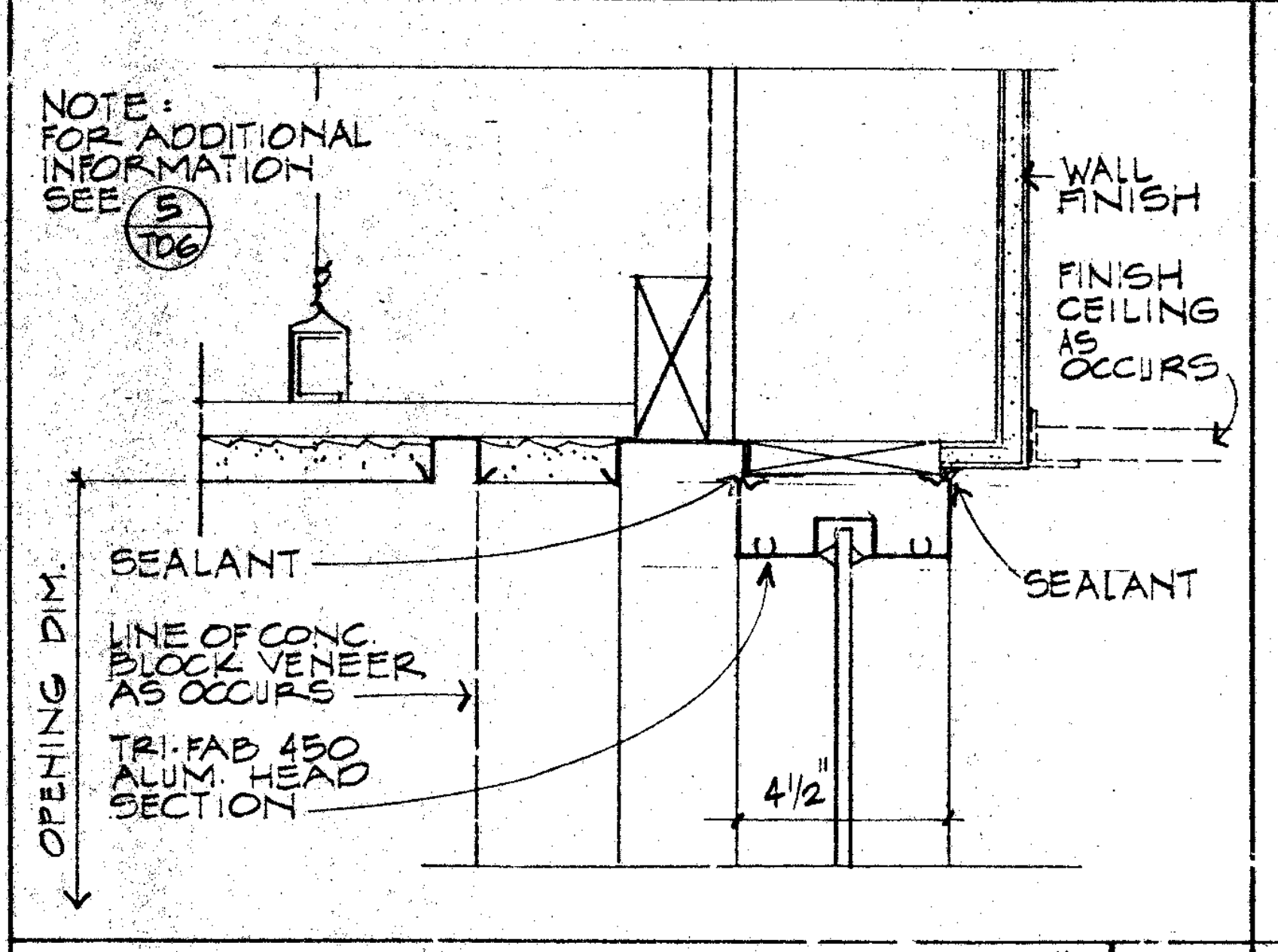
ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

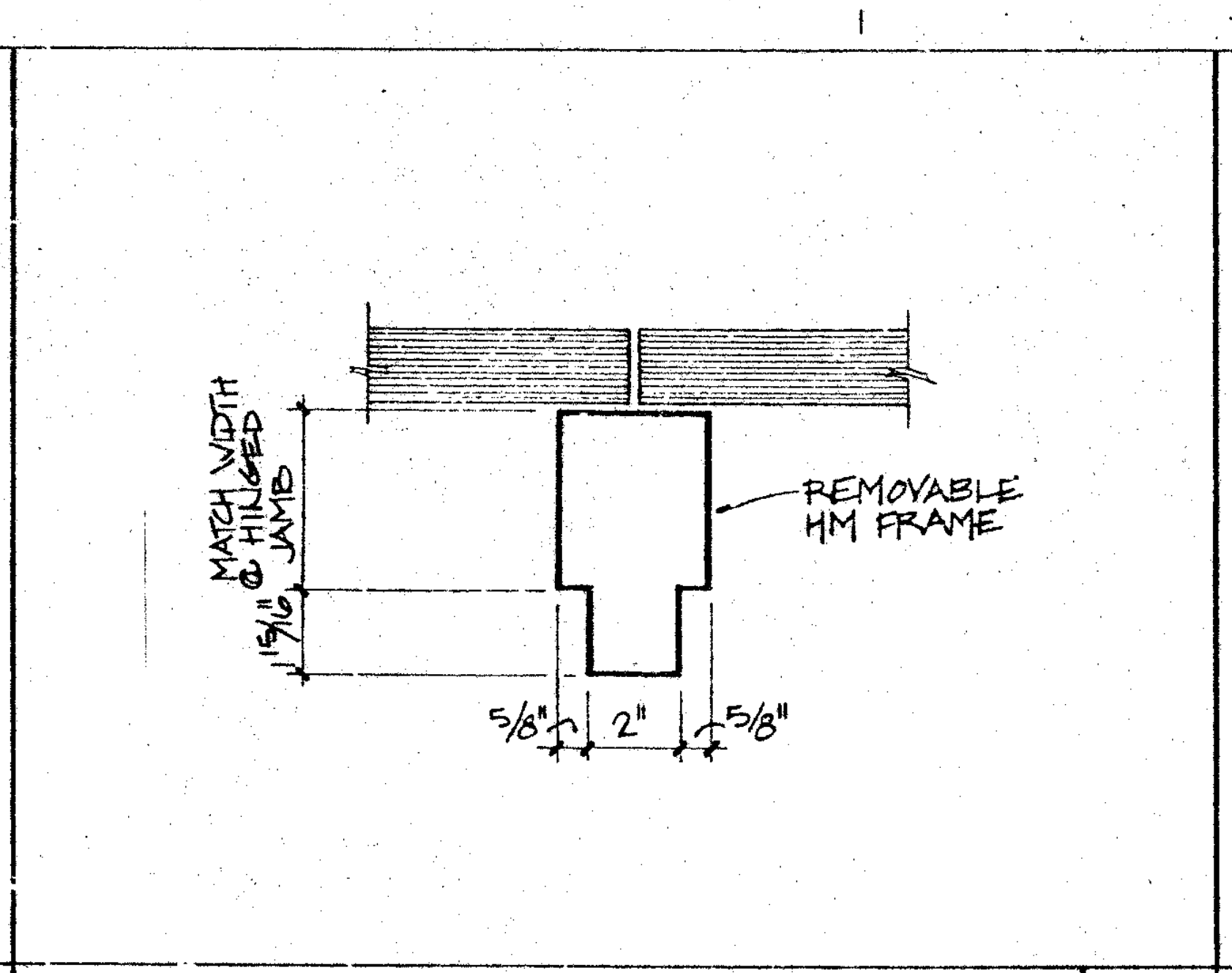
Finish Schedule, Notes, Legends

A 4927 5 JUN 22 1988

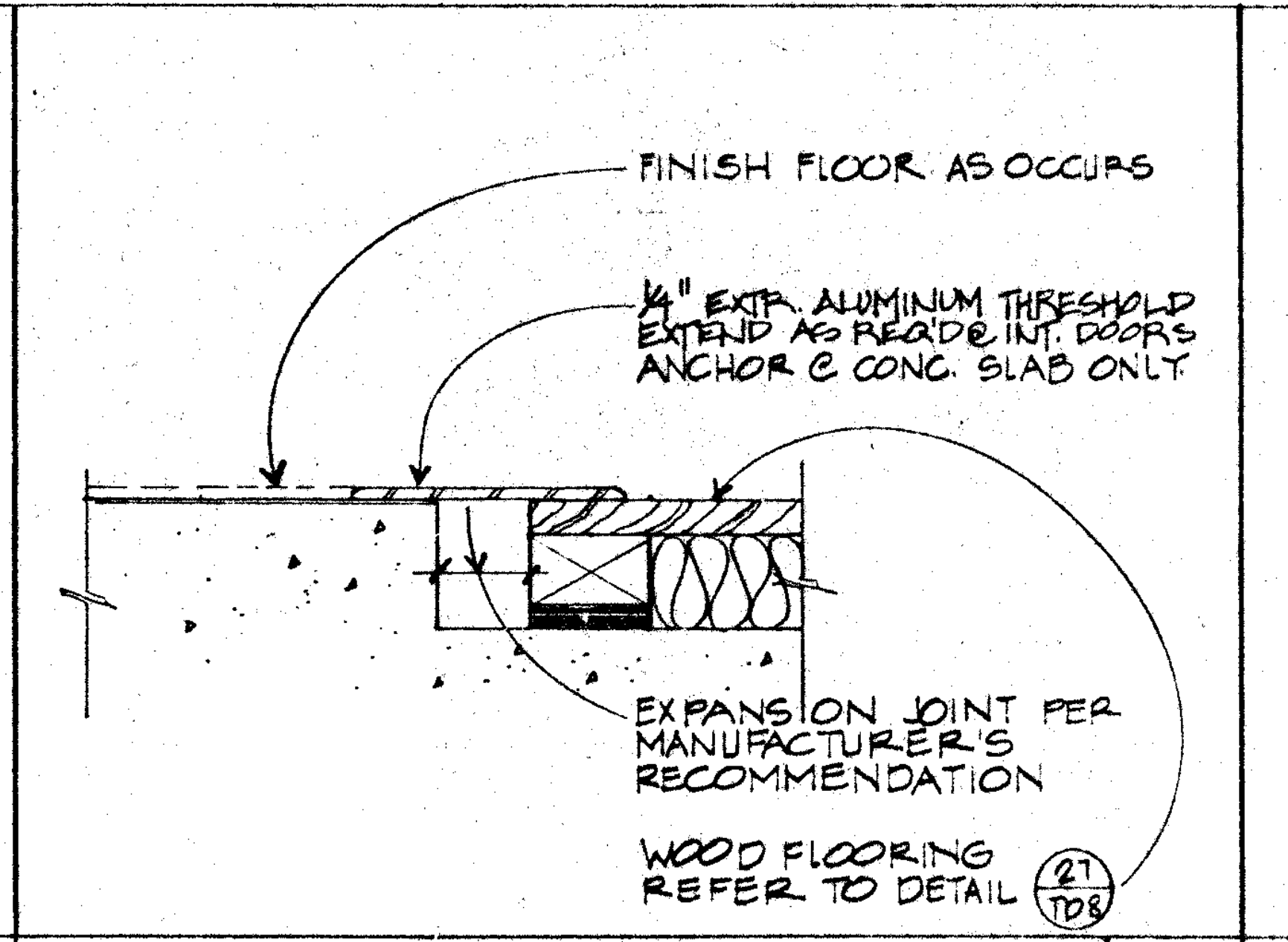
Sheet Number
TD-5
Of Sheets


NOTE: FOR ADDITIONAL INFORMATION SEE 5/TD6
WALL FINISH
FINISH CEILING AS OCCURS
SEALANT
SEALANT
LINE OF CONC. BLOCK VENEER AS OCCURS
TRI-FAB 450 ALUM. HEAD SECTION
OPENING DIM.
4 1/2"

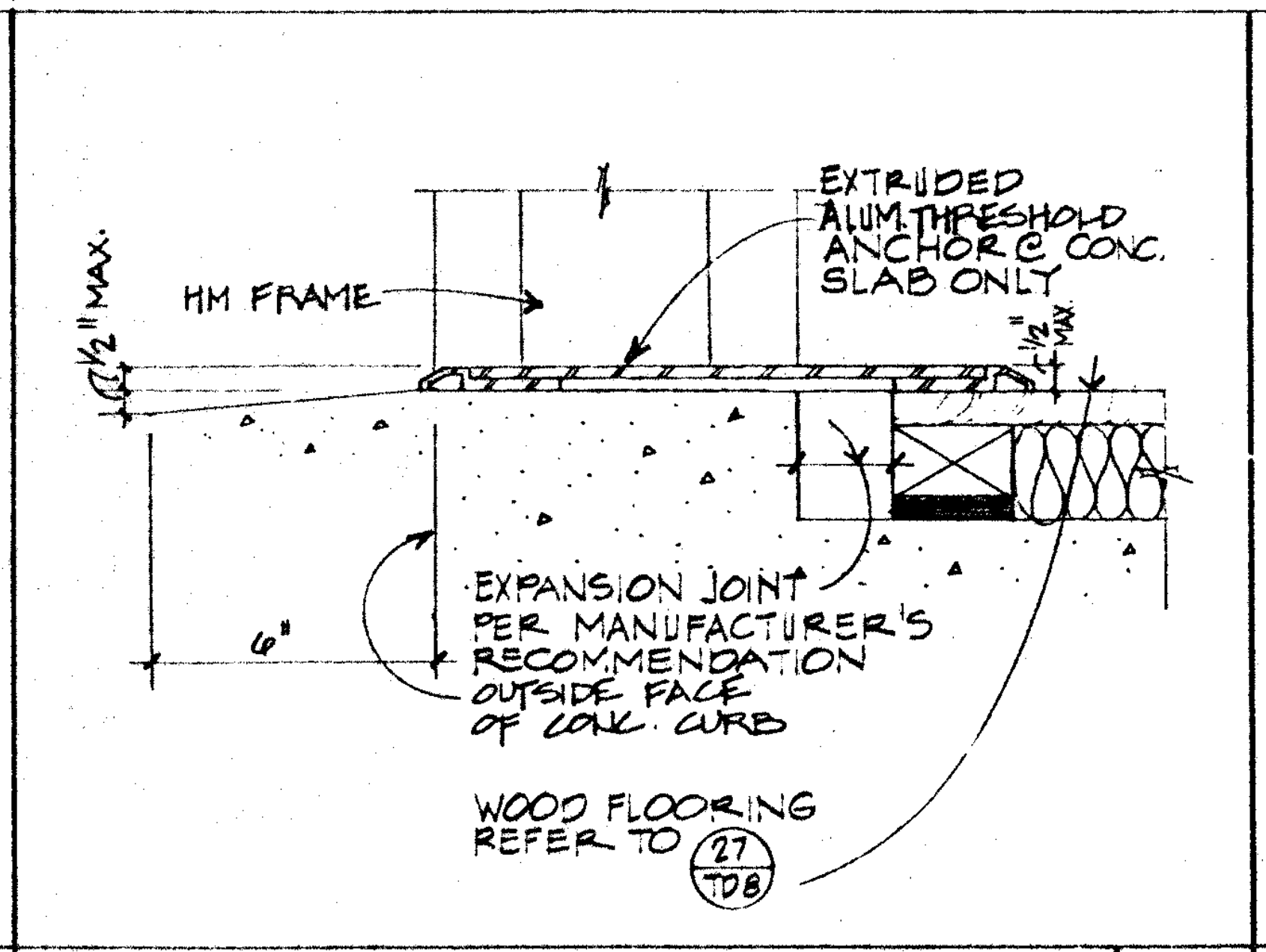
HEAD 3" 1


MATCH WIDTH @ HINGED JAMB
1 5/8"
REMOVABLE HM FRAME
5/8"
2"
5/8"

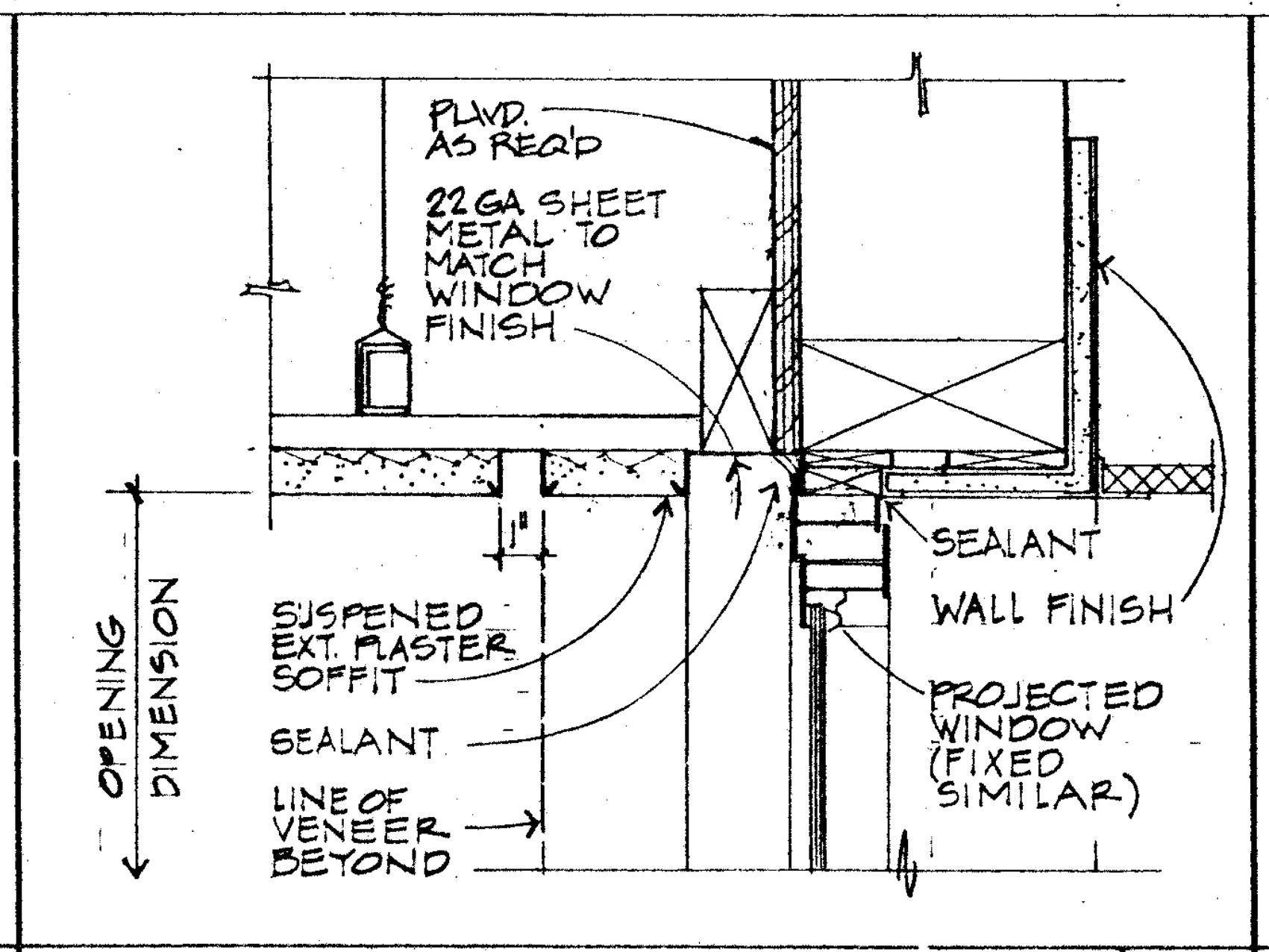
REMOVABLE MULLION 3" 2


FINISH FLOOR AS OCCURS
1/4" EXTR. ALUMINUM THRESHOLD EXTEND AS REQ'D @ INT. DOORS ANCHOR @ CONC. SLAB ONLY
EXPANSION JOINT PER MANUFACTURER'S RECOMMENDATION
WOOD FLOORING REFER TO DETAIL 27/TD8

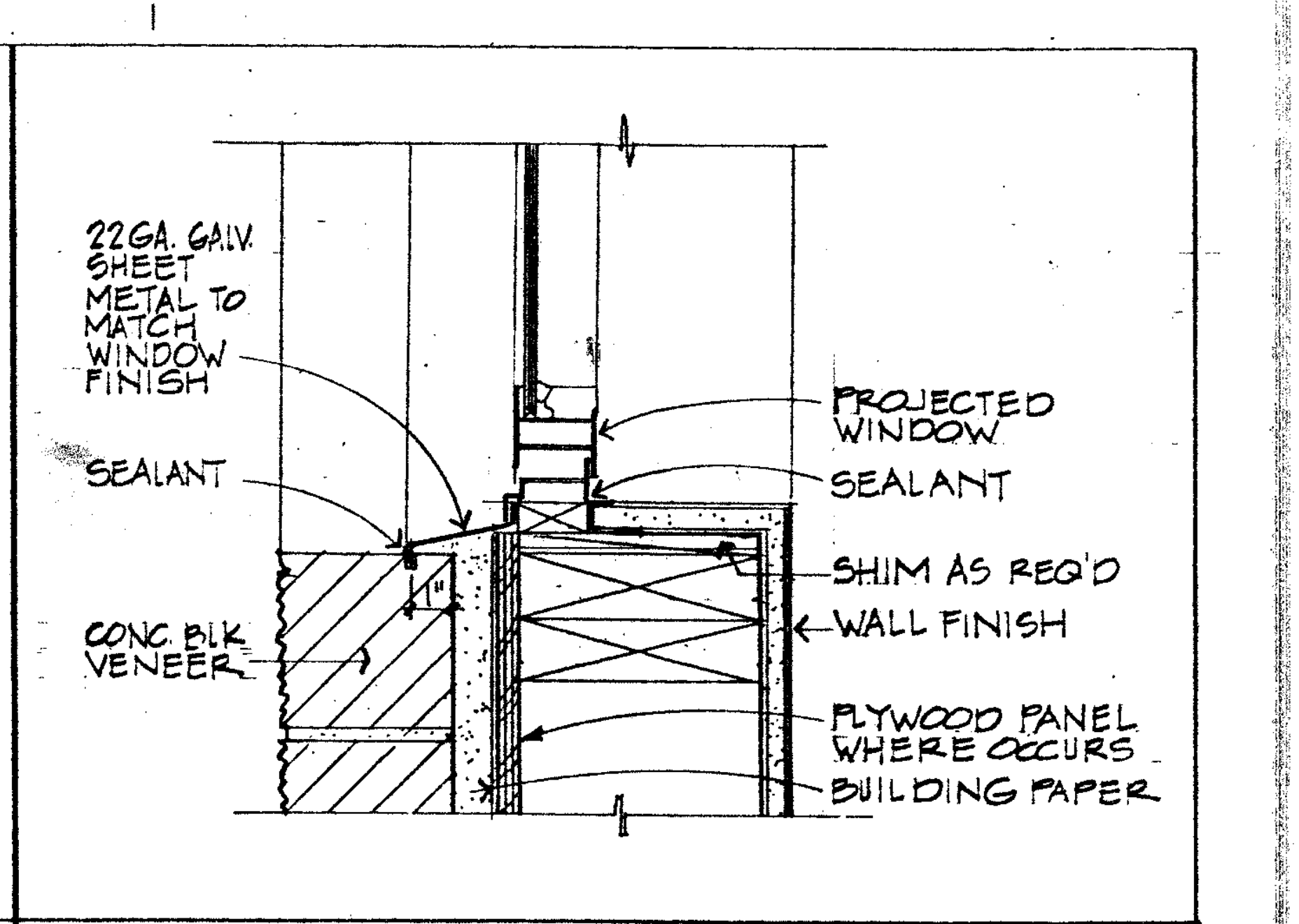
THRESHOLD 3" 3


1/2" MAX.
HM FRAME
EXTRUDED ALUM THRESHOLD ANCHOR @ CONC. SLAB ONLY
3/8"
EXPANSION JOINT PER MANUFACTURER'S RECOMMENDATION OUTSIDE FACE OF CONC. CURB
6"
WOOD FLOORING REFER TO 27/TD8

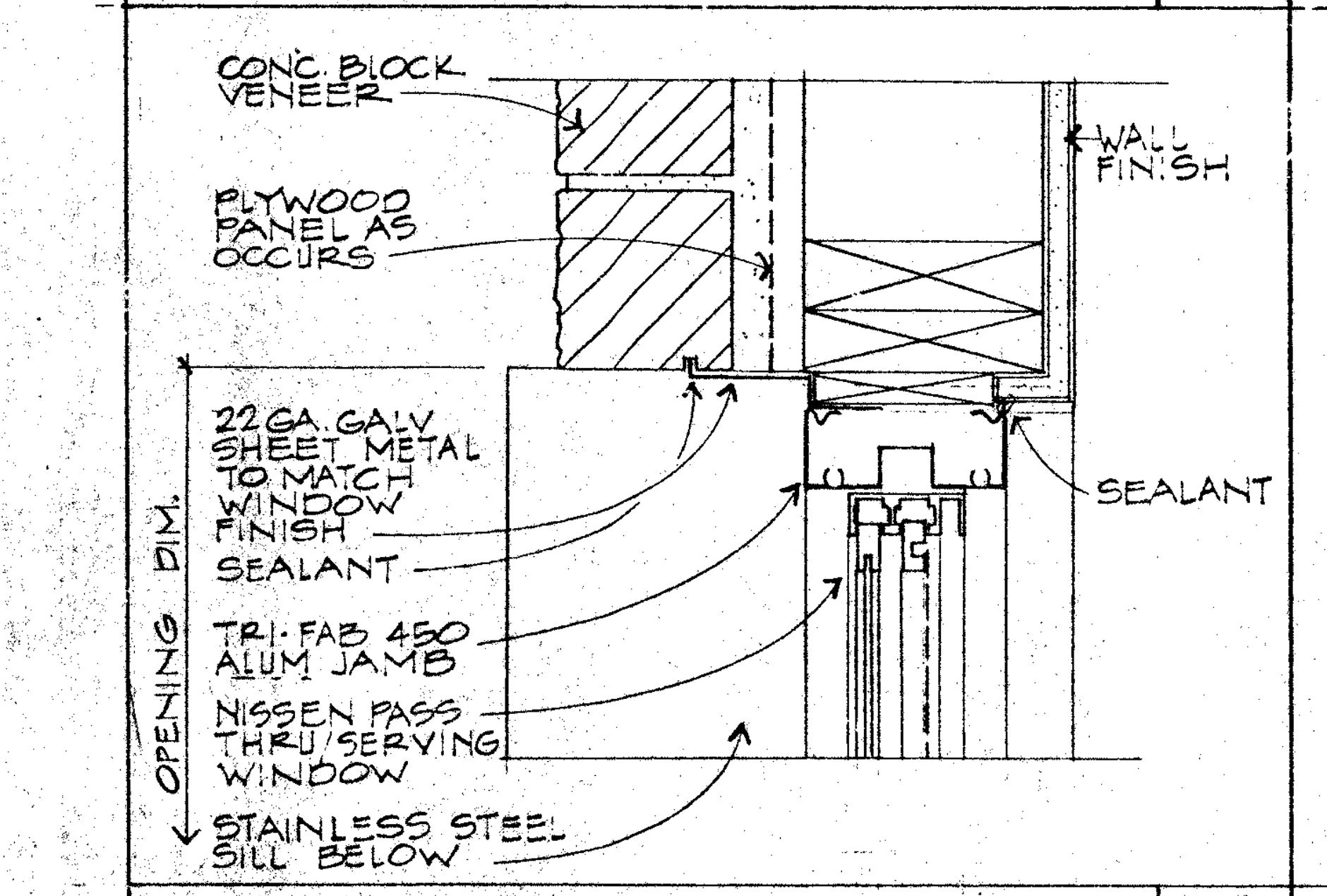
THRESHOLD 3" 4


PLYWD. AS REQ'D
22 GA SHEET METAL TO MATCH WINDOW FINISH
OPENING DIMENSION
SUSPENDED EXT. PLASTER SOFFIT
SEALANT
LINE OF VENEER BEYOND
SEALANT
WALL FINISH
PROJECTED WINDOW (FIXED SIMILAR)

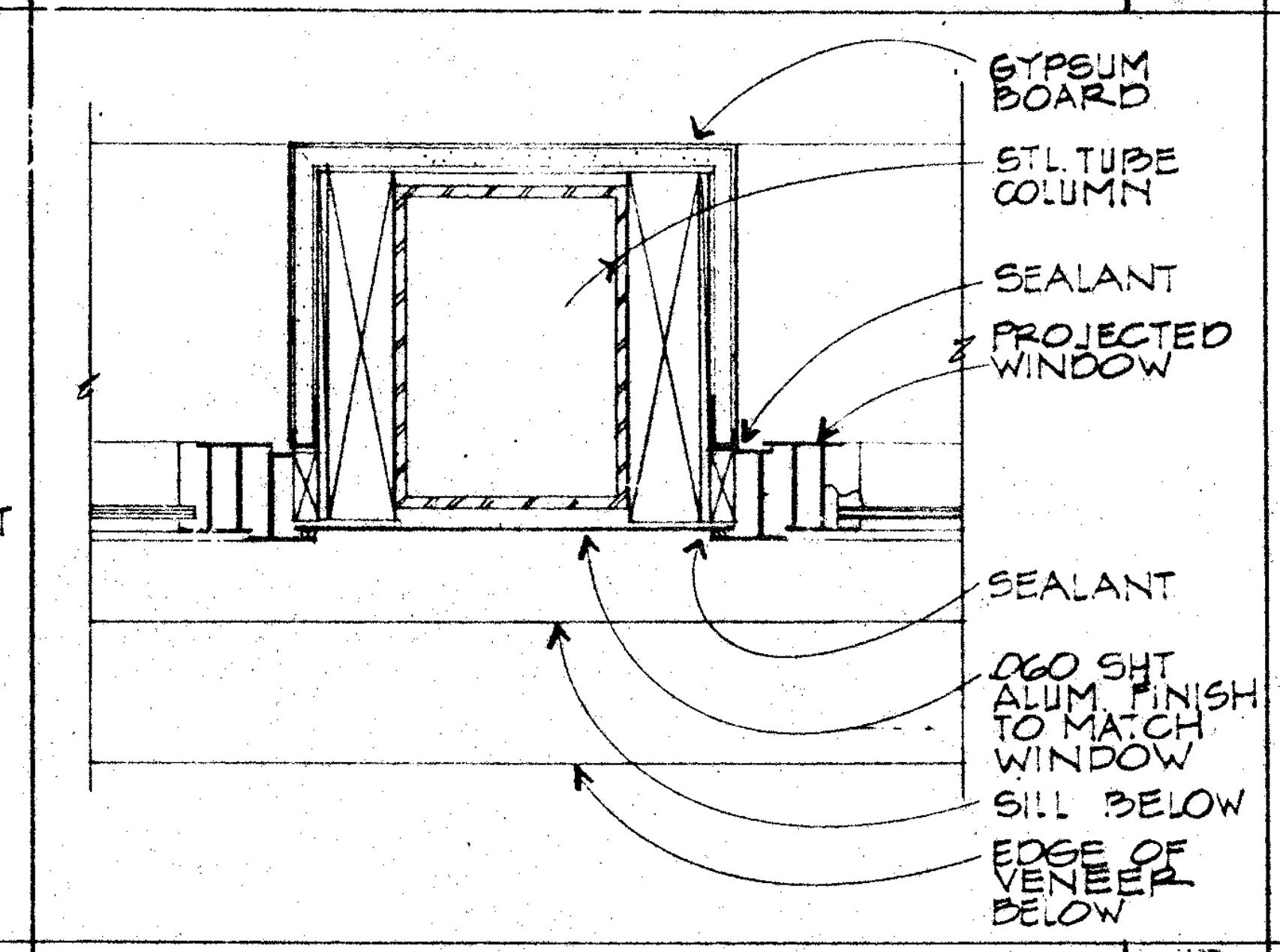
WINDOW HEAD 3" 5


22 GA GALV. SHEET METAL TO MATCH WINDOW FINISH
SEALANT
CONC. BLK VENEER
PROJECTED WINDOW
SEALANT
SHIM AS REQ'D
WALL FINISH
PLYWOOD PANEL WHERE OCCURS
BUILDING PAPER

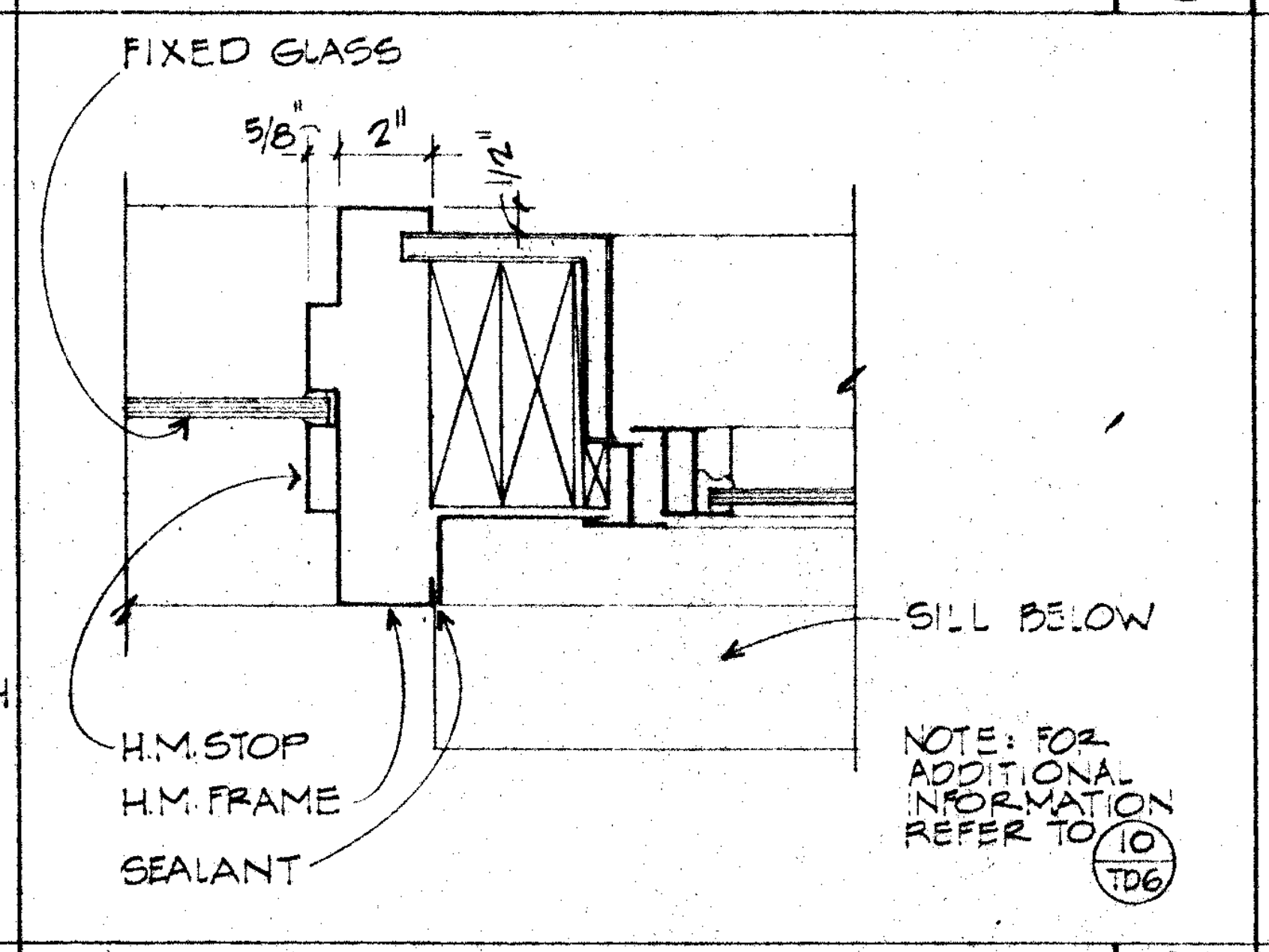
WINDOW SILL 3" 6


CONC. BLOCK VENEER
WALL FINISH
PLYWOOD PANEL AS OCCURS
22 GA. GALV. SHEET METAL TO MATCH WINDOW FINISH
SEALANT
SEALANT
TRI-FAB 450 ALUM JAMB
NISSEN PASS THRU/SERVING WINDOW
STAINLESS STEEL SILL BELOW
OPENING DIM.

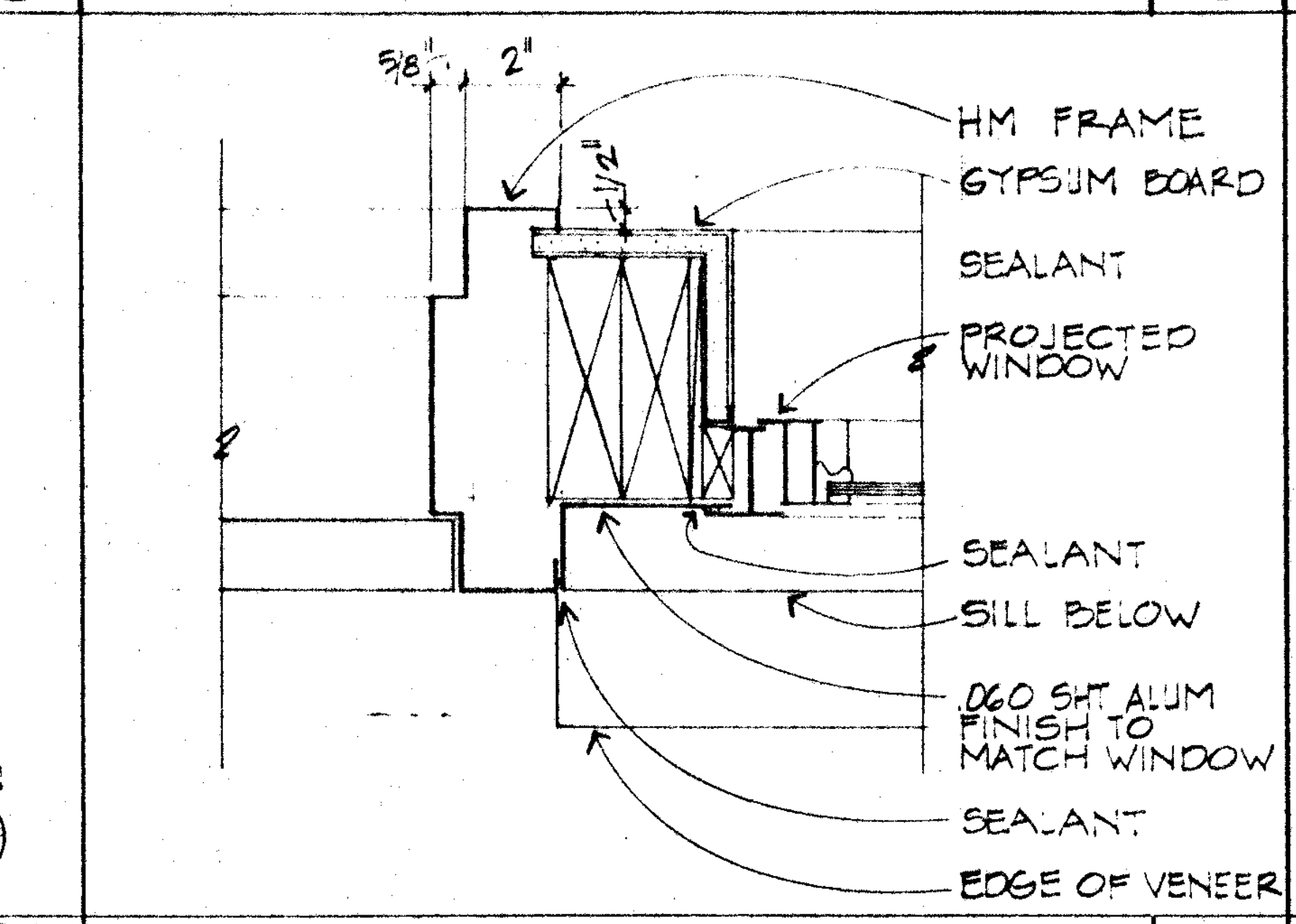
JAMB 3" 7


GYPSUM BOARD
STL. TUBE COLUMN
SEALANT
PROJECTED WINDOW
SEALANT
.060 SHT. ALUM. FINISH TO MATCH WINDOW
SILL BELOW
EDGE OF VENEER BELOW

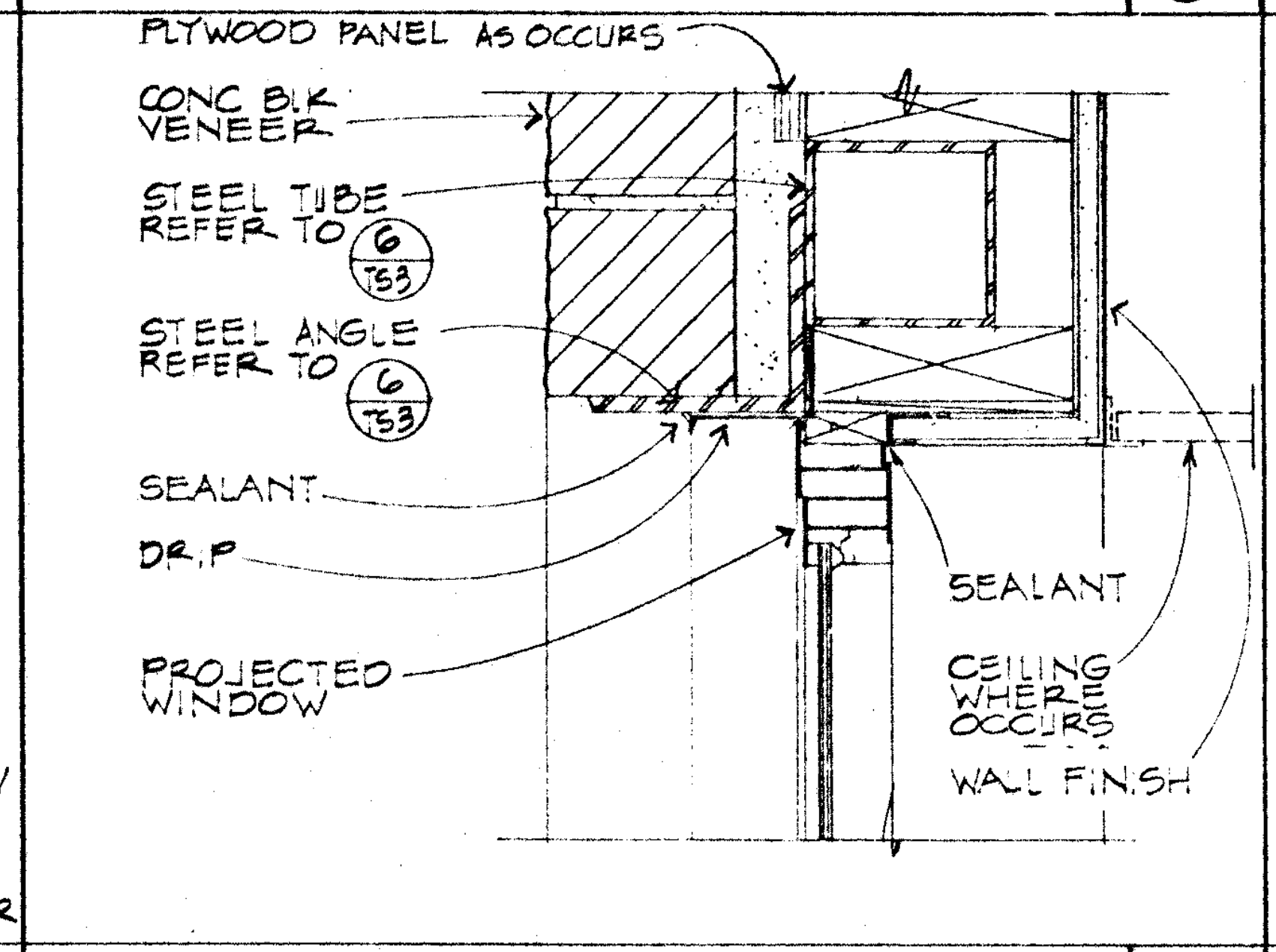
JAMB 3" 8


FIXED GLASS
5/8"
2"
1/2"
SILL BELOW
H.M. STOP
H.M. FRAME
SEALANT
NOTE: FOR ADDITIONAL INFORMATION REFER TO 10/TD6

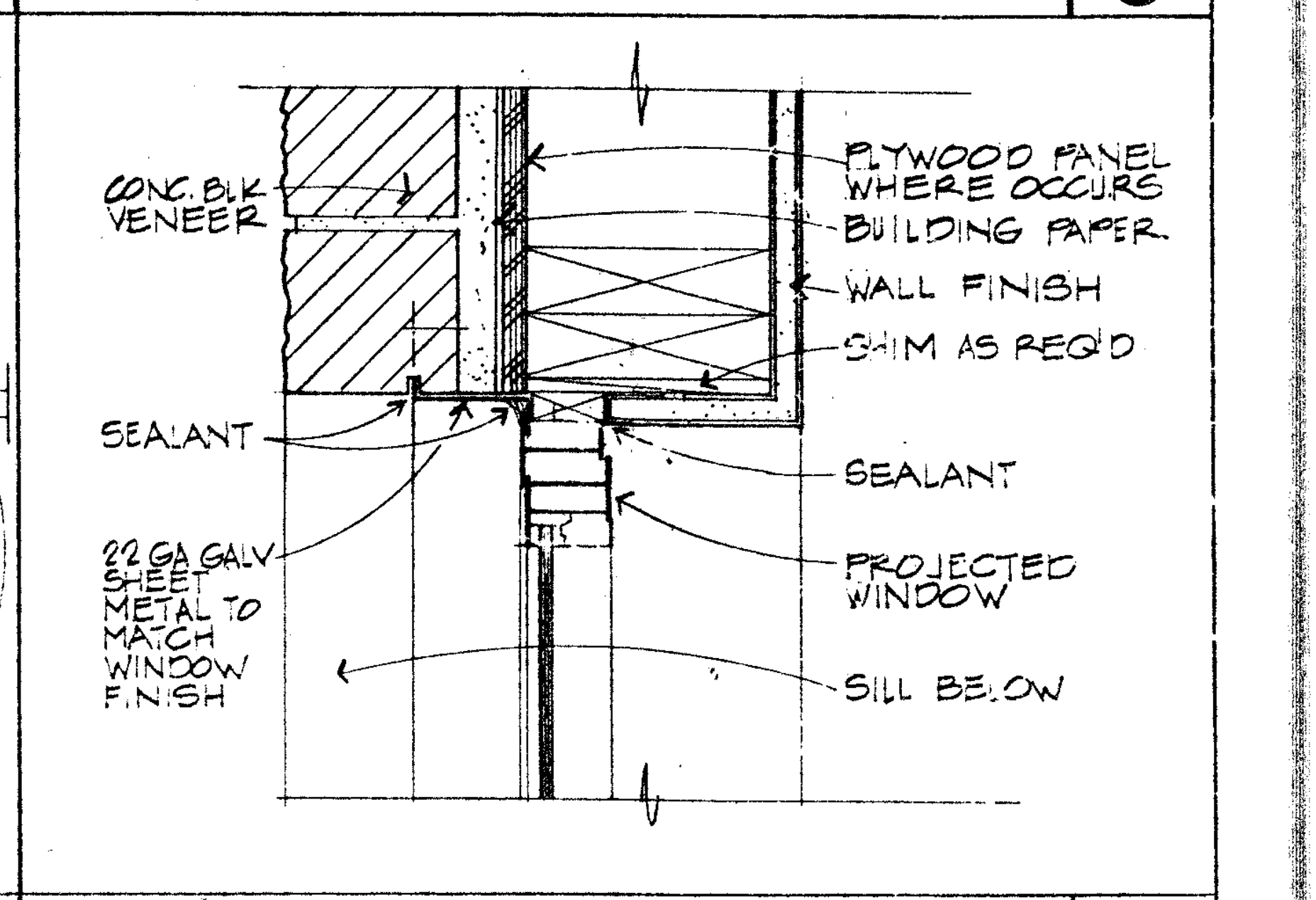
JAMB 3" 9


5/8"
2"
1 1/2"
HM FRAME
GYPSUM BOARD
SEALANT
PROJECTED WINDOW
SEALANT
SILL BELOW
.060 SHT. ALUM. FINISH TO MATCH WINDOW
SEALANT
EDGE OF VENEER

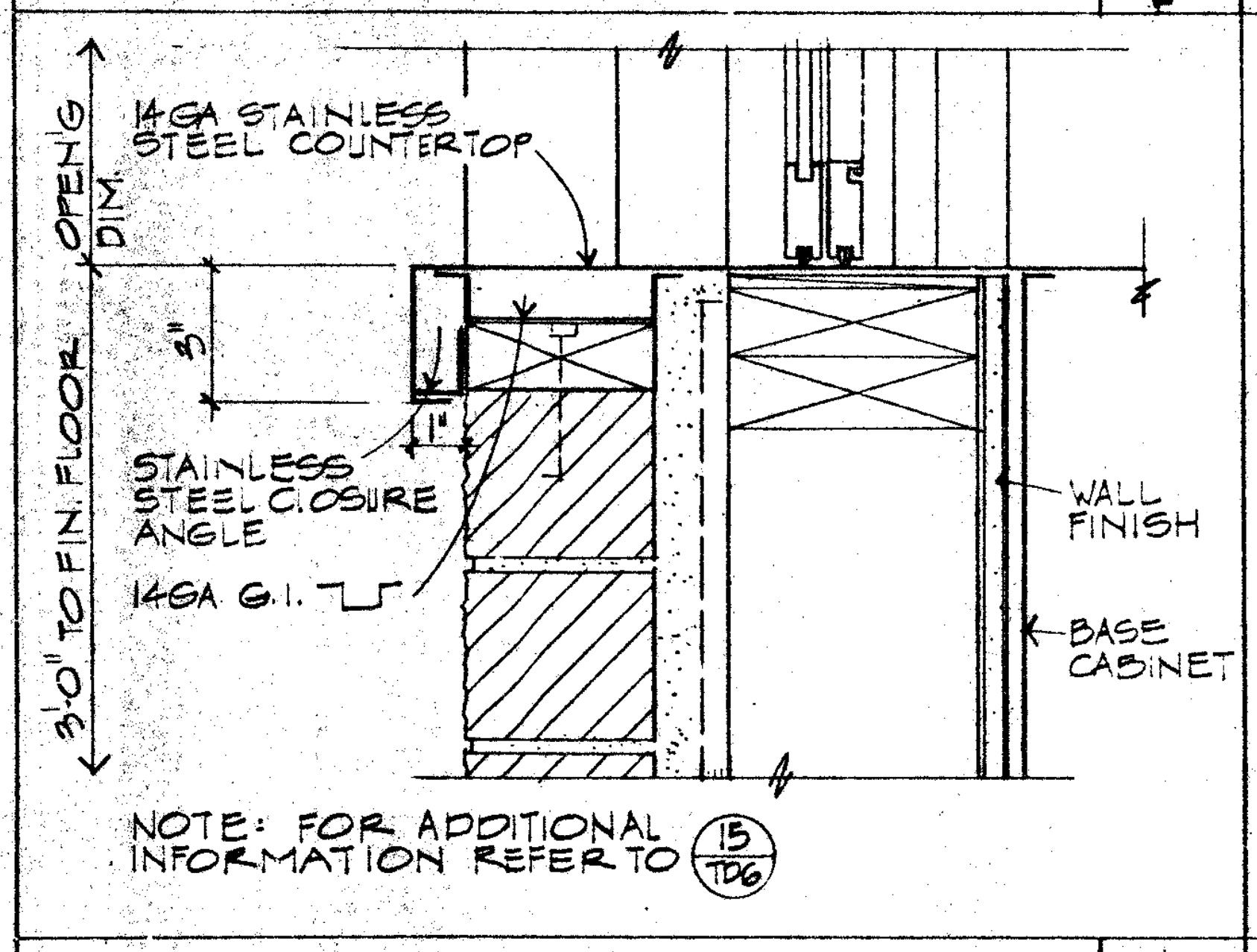
JAMB 3" 10


PLYWOOD PANEL AS OCCURS
CONC. BLK VENEER
STEEL TUBE REFER TO 6/TS3
STEEL ANGLE REFER TO 6/TS3
SEALANT
DRIP
PROJECTED WINDOW
SEALANT
CEILING WHERE OCCURS
WALL FINISH

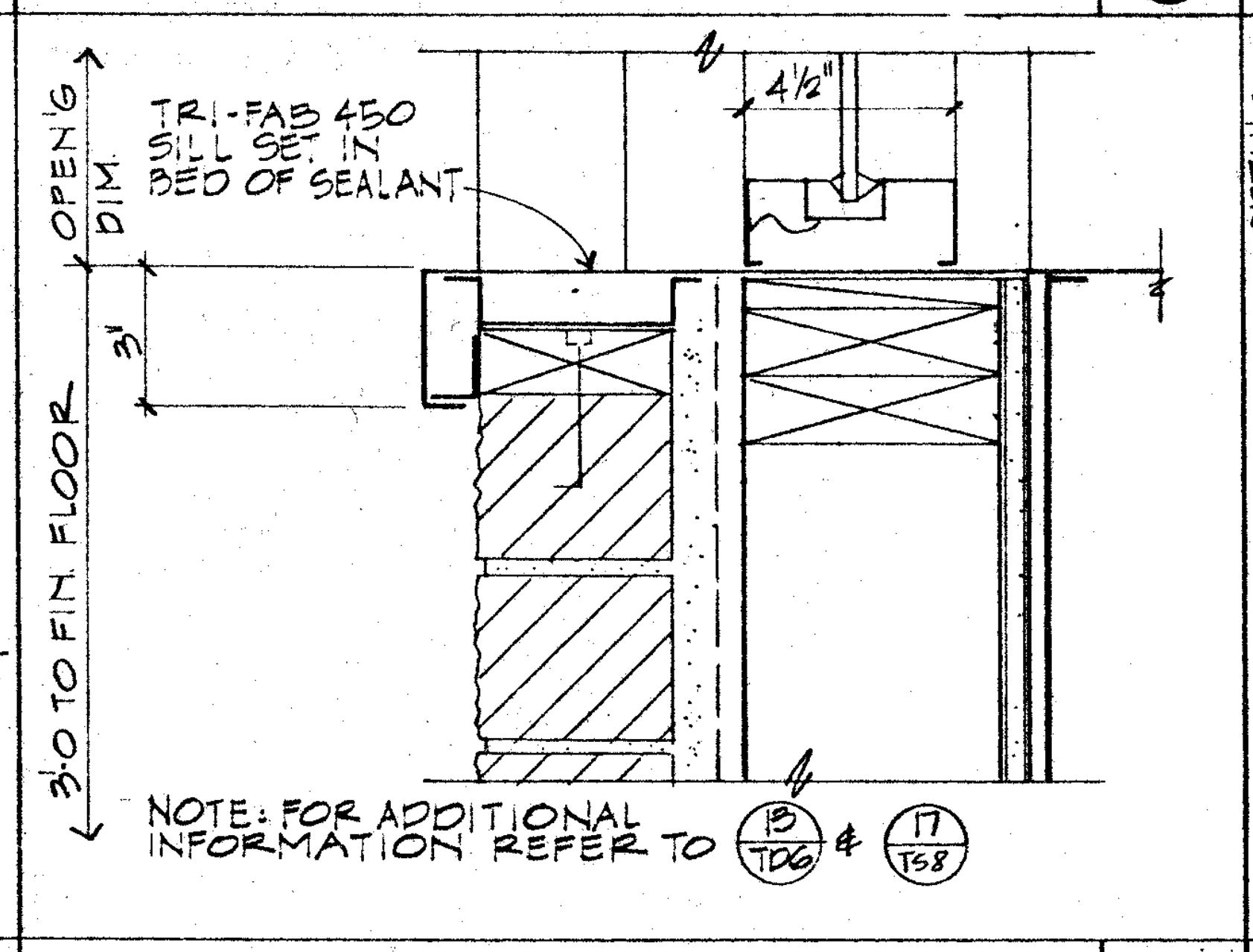
HEAD 3" 11


CONC. BLK VENEER
PLYWOOD PANEL WHERE OCCURS
BUILDING PAPER
WALL FINISH
SHIM AS REQ'D
SEALANT
SEALANT
22 GA GALV. SHEET METAL TO MATCH WINDOW FINISH
PROJECTED WINDOW
SILL BELOW

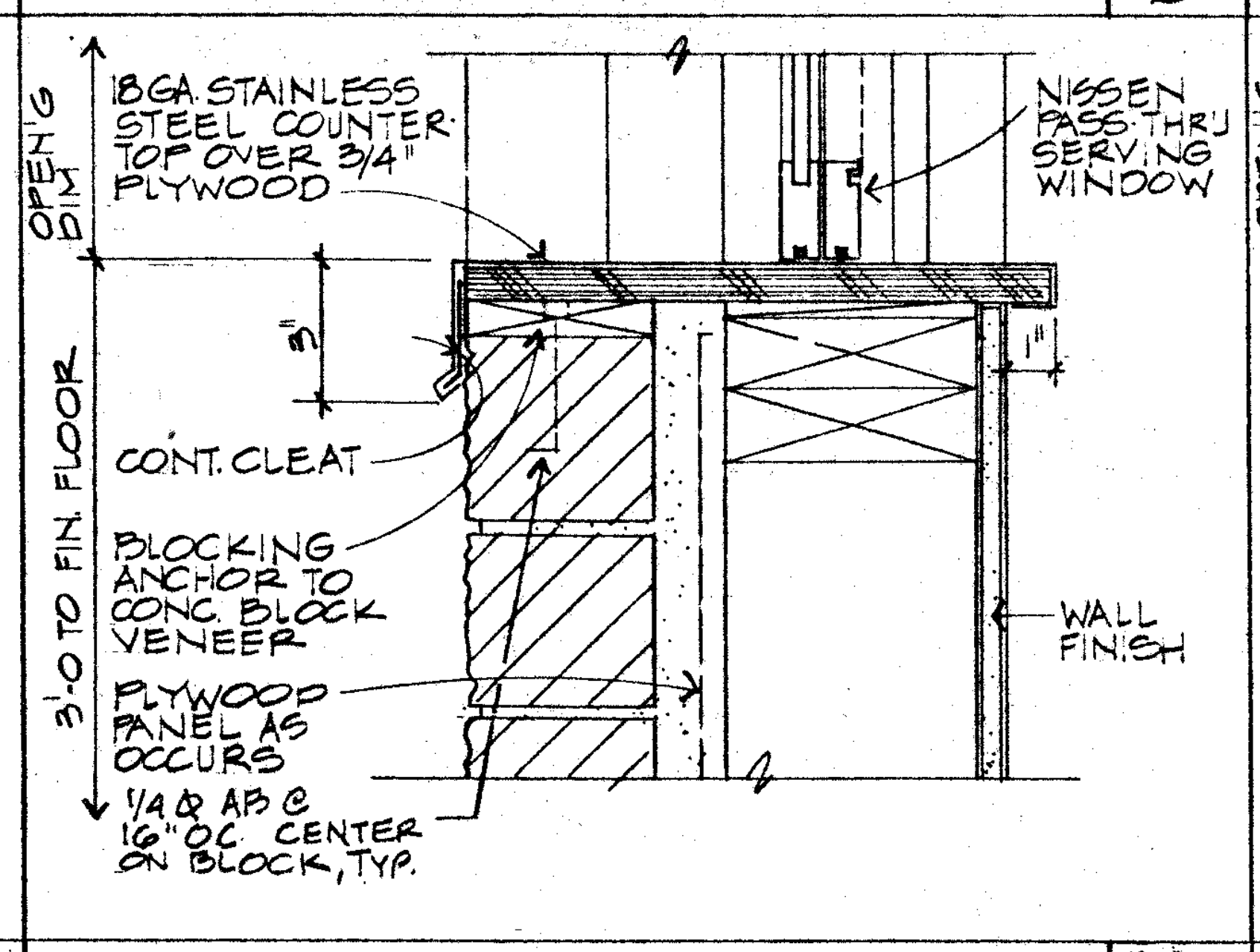
JAMB 3" 12


OPENG DIM.
14GA STAINLESS STEEL COUNTERTOP
3"
STAINLESS STEEL CLOSURE ANGLE
14GA G.I.
3'-0" TO FIN. FLOOR
WALL FINISH
BASE CABINET
NOTE: FOR ADDITIONAL INFORMATION REFER TO 15/TD6

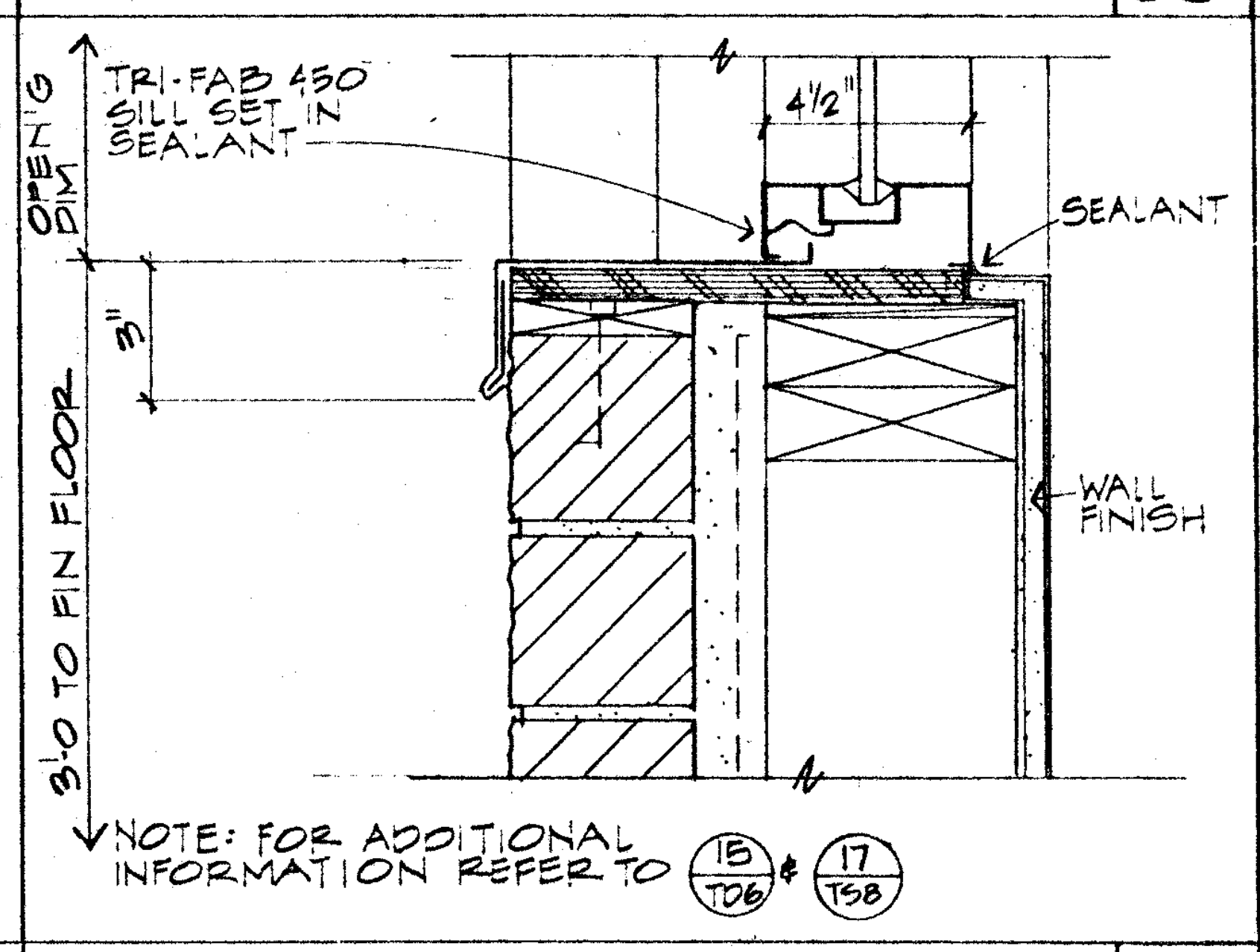
SILL @ COUNTERTOP 3" 13


OPENG DIM.
TRI-FAB 450 SILL SET IN BED OF SEALANT
4 1/2"
3"
3'-0" TO FIN. FLOOR
NOTE: FOR ADDITIONAL INFORMATION REFER TO 15/TD6 & 17/TS8

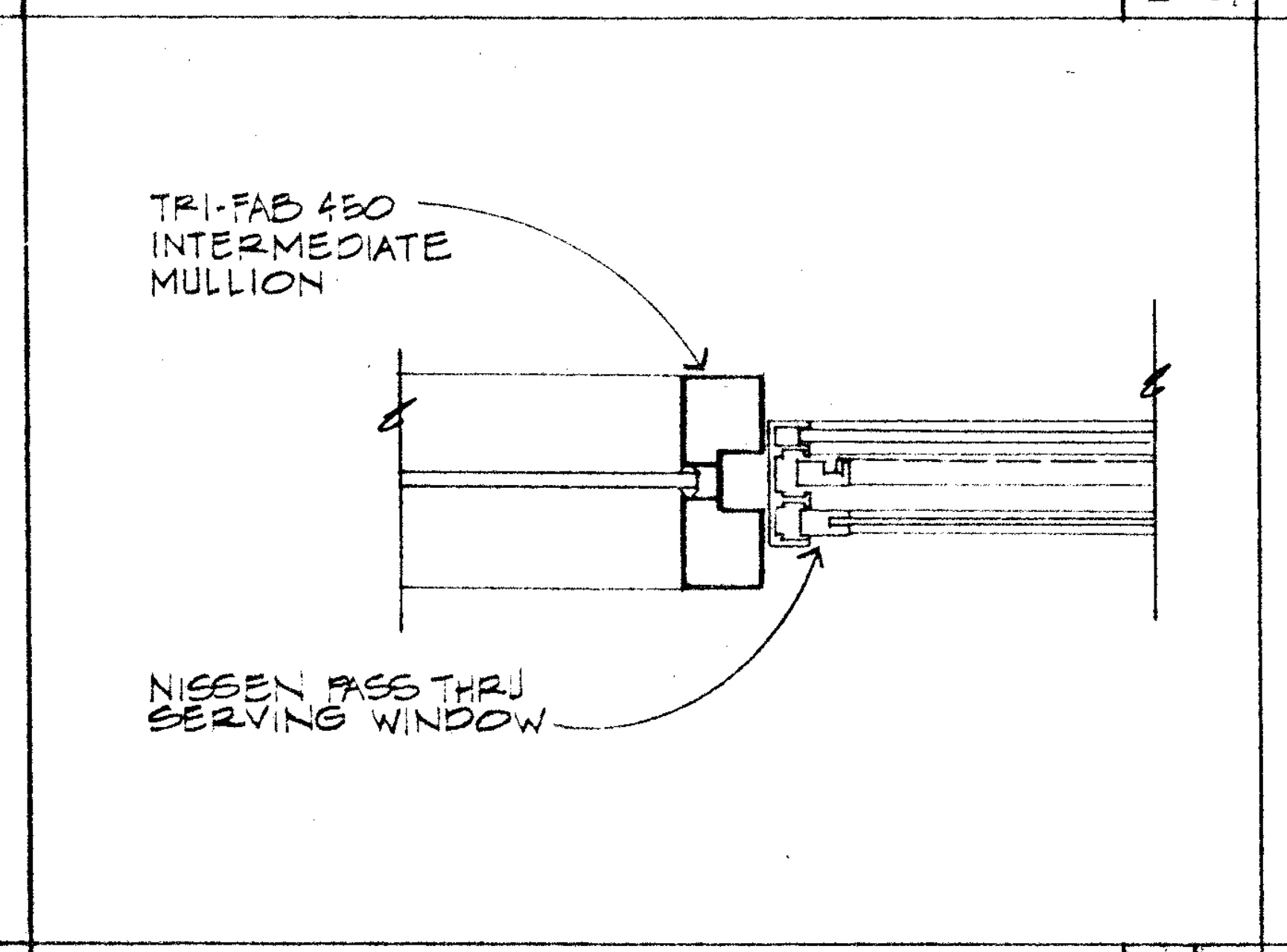
SILL @ COUNTERTOP 3" 14


OPENG DIM.
18GA STAINLESS STEEL COUNTER TOP OVER 3/4" PLYWOOD
NISSEN PASS THRU SERVING WINDOW
3"
CONT. CLEAT
BLOCKING ANCHOR TO CONC. BLOCK VENEER
PLYWOOD PANEL AS OCCURS
1/4 Ø AB @ 16" O.C. CENTER ON BLOCK, TYP.
WALL FINISH
3'-0" TO FIN. FLOOR

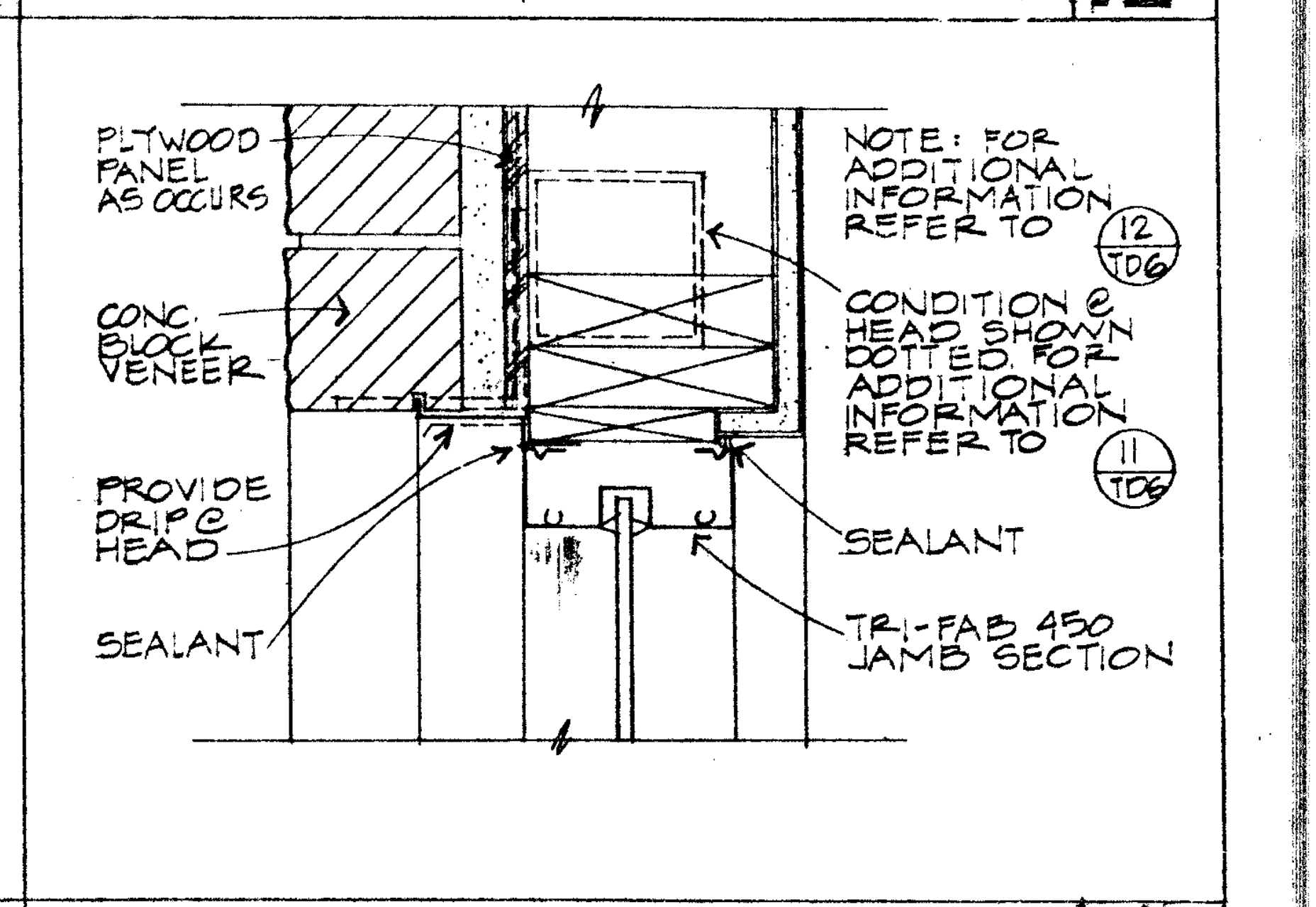
SILL @ PASS THRU 3" 15


OPENG DIM.
TRI-FAB 450 SILL SET IN SEALANT
4 1/2"
SEALANT
3"
WALL FINISH
3'-0" TO FIN. FLOOR
NOTE: FOR ADDITIONAL INFORMATION REFER TO 15/TD6 & 17/TS8

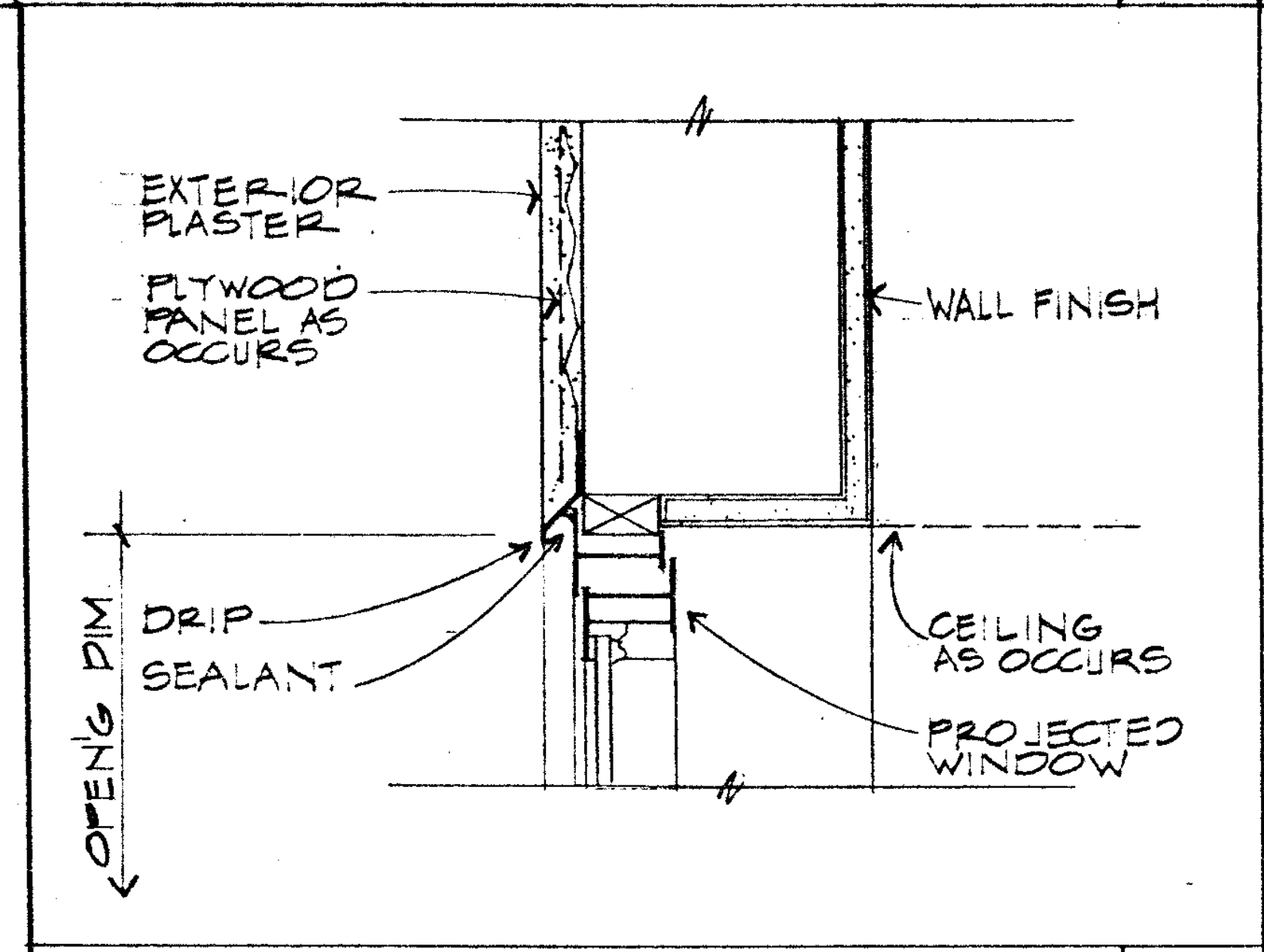
SILL @ PASS THRU 3" 16


TRI-FAB 450 INTERMEDIATE MULLION
NISSEN PASS THRU SERVING WINDOW

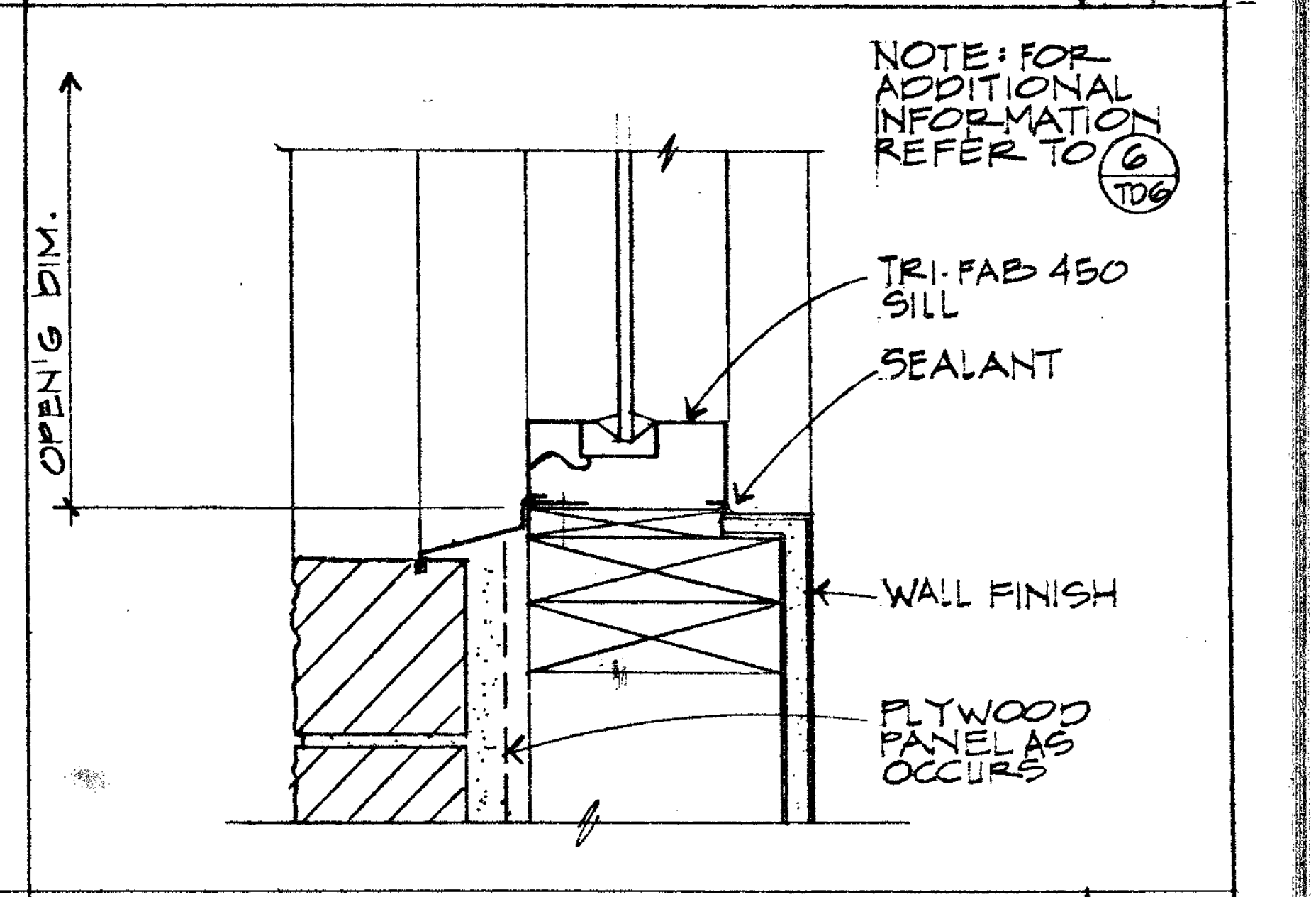
MULLION 3" 17


PLYWOOD PANEL AS OCCURS
CONC. BLOCK VENEER
PROVIDE DRIP @ HEAD
SEALANT
NOTE: FOR ADDITIONAL INFORMATION REFER TO 12/TD6
CONDITION @ HEAD SHOWN DOTTED FOR ADDITIONAL INFORMATION REFER TO 11/TD6
SEALANT
TRI-FAB 450 JAMB SECTION

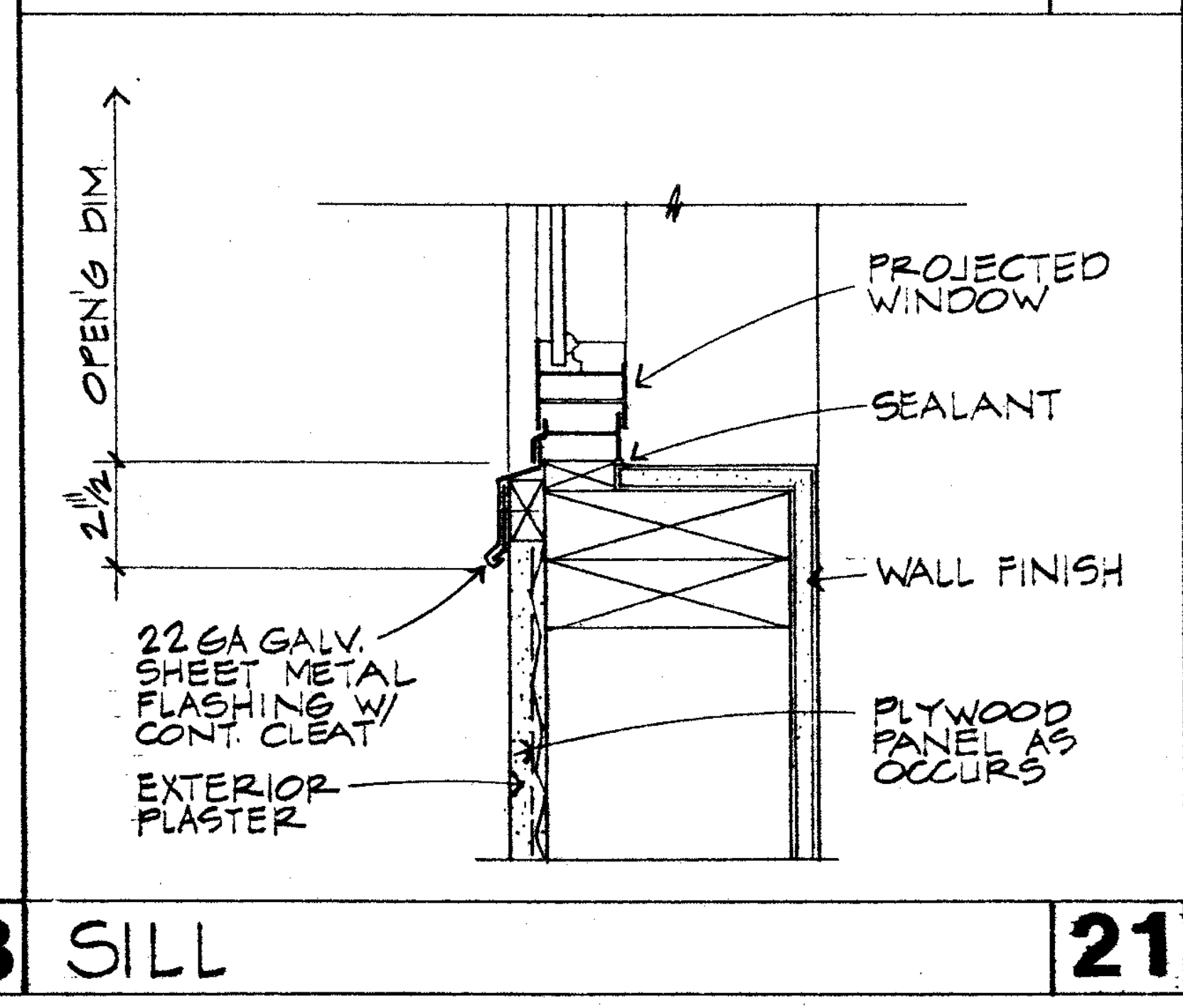
JAMB (HEAD SIM.) 3" 18


EXTERIOR PLASTER
PLYWOOD PANEL AS OCCURS
WALL FINISH
DRIP
SEALANT
CEILING AS OCCURS
PROJECTED WINDOW
OPEN'G DIM.

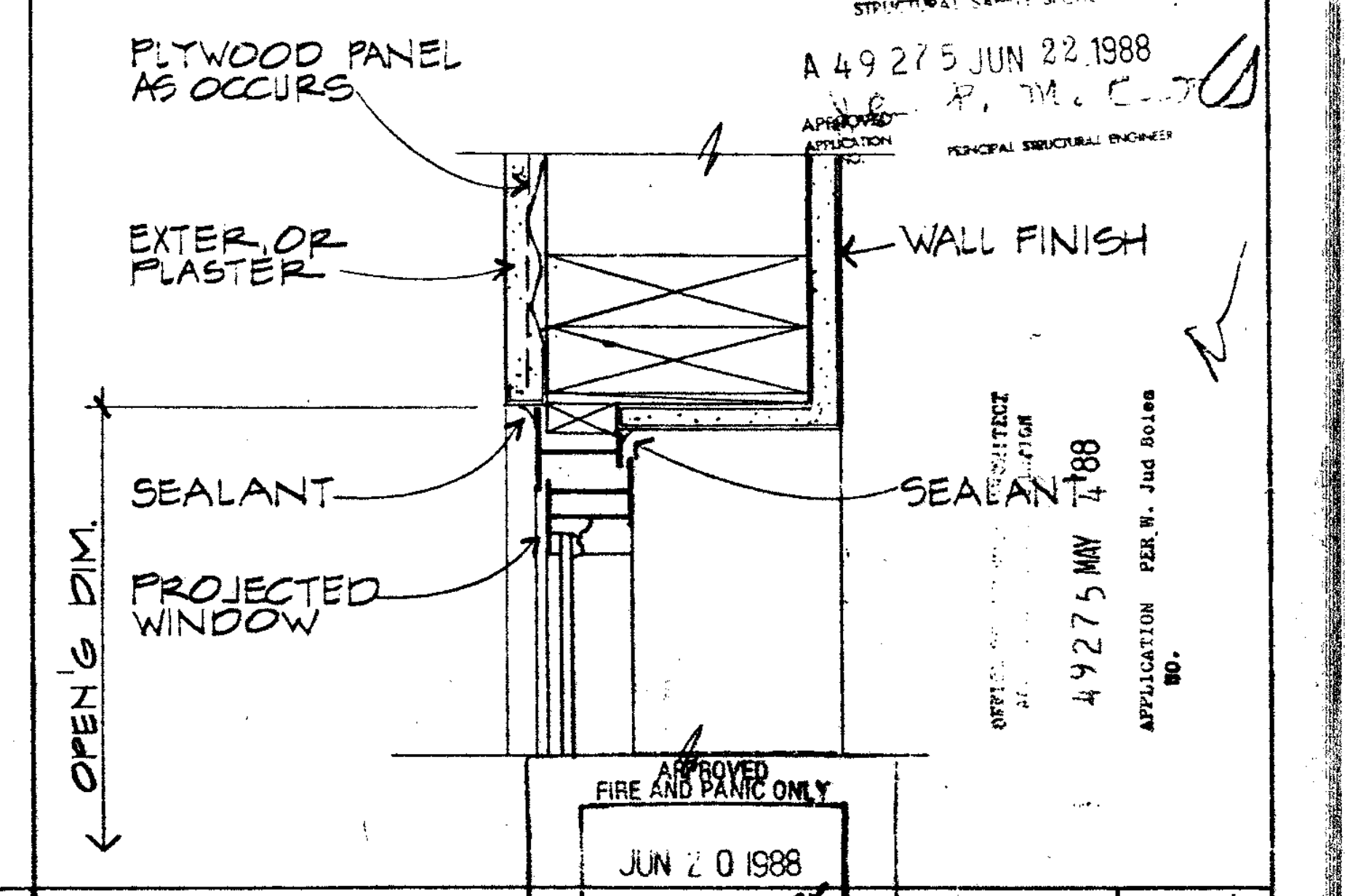
HEAD 19


NOTE: FOR ADDITIONAL INFORMATION REFER TO 6/TD6
OPEN'G DIM.
TRI-FAB 450 SILL
SEALANT
WALL FINISH
PLYWOOD PANEL AS OCCURS

SILL 3" 20


OPEN'G DIM.
PROJECTED WINDOW
SEALANT
2 1/2"
WALL FINISH
22 GA GALV. SHEET METAL FLASHING W/ CONT. CLEAT
PLYWOOD PANEL AS OCCURS
EXTERIOR PLASTER

SILL 21


PLYWOOD PANEL AS OCCURS
EXTERIOR PLASTER
WALL FINISH
SEALANT
SEALANT
PROJECTED WINDOW
OPEN'G DIM.

JAMB 22

OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPROVED APPLICATION NO.
PRINCIPAL STRUCTURAL ENGINEER

OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION
A 49275 MAY 4 88
APPLICATION NO. PER W. Jud Boles

APPROVED FIRE AND PANIC ONLY
JUN 20 1988
STATE FIRE MARSHAL SOUTHERN REGION

CABINETRY FINISH SCHEDULE 28

ROOM #	DESCRIPTION	COUNTER/ BACKSPLASH	BASE	OPEN SHELVING	CABINET FRONT
108	SHELVING	-	-	PLYWD	-
110	SHELVING	-	-	PLYWD	-
127	SHELVING	-	-	PLYWD	-
127	CASEWORK	PL 2	X	-	PL 2
135	SHELVING	-	-	PLYWD	-
501	CASEWORK	PL 1	X	PL 1	-
503	SHELVING	-	-	PLYWD	-
504	CASEWORK	PL 2	X	-	PL 2
506	CASEWORK	GM 1	X	PLYWD	-
507	CASEWORK	-	PLYWD	PLYWD	-
703	CASEWORK	PL 1	X	-	PL 1
704	CASEWORK	PL 1	X	-	PL 1
705	CASEWORK	PL 1	X	-	PL 1
706	CASEWORK	PL 1	X	-	PL 1
707	CASEWORK	PL 1	X	-	PL 1
708	CASEWORK	PL 1	X	-	PL 1
709	CASEWORK	PL 1	X	-	PL 1
711	CASEWORK	-	-	PLYWD	-
801	CASEWORK	PL 4	X	PL 2	PL 2
802	CASEWORK	PL 1	X	-	PL 1
806	CASEWORK	-	X	-	PL 1
807	CASEWORK	PL 4	X	PL 2	PL 2
808	CASEWORK	PL 2	X	PL 2	PL 2
810	SHELVING	-	-	PLYWD	-
1001	CASEWORK	PL 1	X	-	PL 1
1003	CASEWORK	PL 3	X	PL 3	PL 3
1004	SHELVING	-	-	PLYWD	-
1005	SHELVING	-	-	PLYWD	-
1005A	CASEWORK	PL 2/WD 1	X	PL 2	PL 2
1009A	CASEWORK	PL 2	X	-	PL 2
1012	CASEWORK	-	X	-	PL 3
1014	CASEWORK	PL 1	X	PL 1	PL 1
1014A	SHELVING	-	X	PLYWD	-
1015	CASEWORK	PL 1	X	PL 1	PL 1
1016	CASEWORK	PL 5	X	PL 6	PL 6
1017	CASEWORK	PL 1	X	PLYWD	PL 1
1018	CASEWORK	PL 2	X	PL 2	-
1019	CASEWORK	PL 1	X	-	PL 1
1020	CASEWORK	PL 1/WD 1	X	PL 2	PL 2
1022	CASEWORK	PL 1	X	PL 1	PL 1
1023	CASEWORK	PL 1	X	PL 1	PL 1
1029	SHELVING	PL 1	X	PL 1	PL 1

ROOM #	DESCRIPTION	COUNTER/ BACKSPLASH	BASE	OPEN SHELVING	CABINET FRONT
1201	CASEWORK	K 1	-	WD 2	WD 2
1202	CASEWORK	K 1	-	WD 2	WD 2
1203	CASEWORK	K 1	-	WD 2	WD 2
1204	CASEWORK	K 1	-	WD 2	WD 2
1205	CASEWORK	K 1	-	WD 2	WD 2
1207	CASEWORK	K 1	-	WD 2	WD 2
1208	CASEWORK	K 1	-	WD 2	WD 2
1209	CASEWORK	K 1	-	WD 2	WD 2
1210	CASEWORK	K 1	-	WD 2	WD 2
1211	CASEWORK	K 1	-	WD 2	WD 2
1212	CASEWORK	K 1	-	WD 2	WD 2
1213	CASEWORK	PL 3	X	PL 3	PL 3
1216	SHELVING	-	-	PLYWD	-
1401	CASEWORK	PL 1	X	-	PL 1
1402	CASEWORK	PL 1	X	-	PL 1
1403	CASEWORK	PL 1	X	-	PL 1
1404	CASEWORK	PL 1	X	-	PL 1
1405	CASEWORK	PL 1	X	-	PL 1
1406	CASEWORK	PL 1	X	-	PL 1
1410	SHELVING	-	-	PLYWD	-
1412	SHELVING	-	-	PLYWD	-
1413	CASEWORK	PL 1	X	-	PL 1
1414	CASEWORK	PL 1	X	-	PL 1
1415	CASEWORK	PL 1	X	-	PL 1
1416	CASEWORK	PL 1	X	-	PL 1
1417	CASEWORK	PL 1	X	-	PL 1
1418	CASEWORK	PL 1	X	-	PL 1
1419	CASEWORK	PL 1	X	-	PL 1
1420	CASEWORK	PL 1	X	-	PL 1

LEGEND

GM	GALVANIZED METAL
K 1	KEWAUNEE KEMRESIN TOP, BLACK (OR EQUAL)
PL 1	NEVAMAR #S-1-21T CLARET
PL 2	NEVAMAR #S-3-33T KABUKI TEAL
PL 3	NEVAMAR #S-6-18T CHINCHILLA
PL 4	WILSONART SOLICOR #D72-13 FEATHERSTONE
PL 5	PHOTO LAB FABRICATIONS NORTH SEA #D-90-6 (OR EQUAL)
PL 6	PHOTO LAB FABRICATIONS QUICKSILVER #10516 (OR EQUAL)
PLYWD	PLYWOOD, SELF EDGED W/ CLEAR MATTE POLYURETHANE FINISH.
T 1	WINONA INDUSTRIES #342 SOLID RED OAK TAMBOUR, STAIN TO MATCH SAMPLE SUBMITTED BY ARCHITECT.
VTS 1	VINYL TACK SURFACE COVERED W/ WOLF GORDON MULTITONE #MLT3-300M EMBERGLOW
WD 1	WOOD EDGE TRIM, STAIN TO MATCH COLOR SUBMITTED BY ARCHITECT.
WD 2	KEWAUNEE LIGHT GOLDEN OAK (OR EQUAL)
X	BASE TO BE UNFINISHED

Drawn By
Checked By
Date MAR 1988
Commission No. 13002

Revisions
△A 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
3775 Tenth Street
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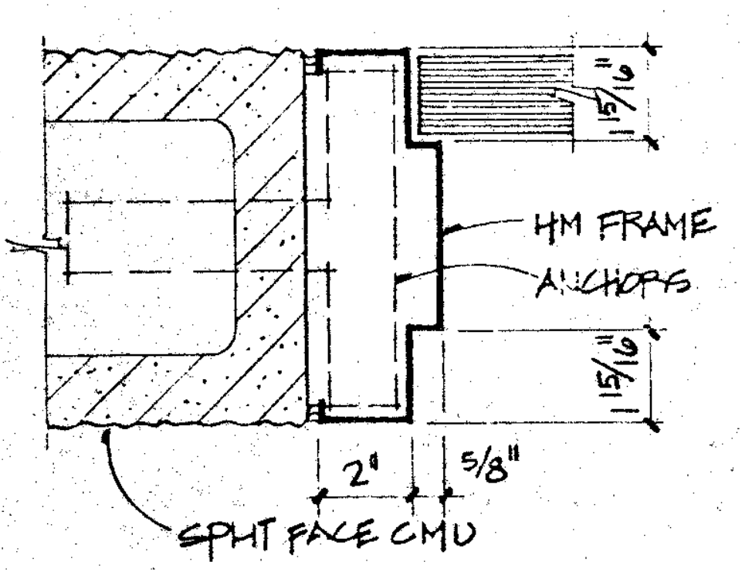
714/684-4664
5751 Palmer Way, Suite C
Carlsbad, CA 92008-1995
619/438-5899

ARCHITECT
C-6497

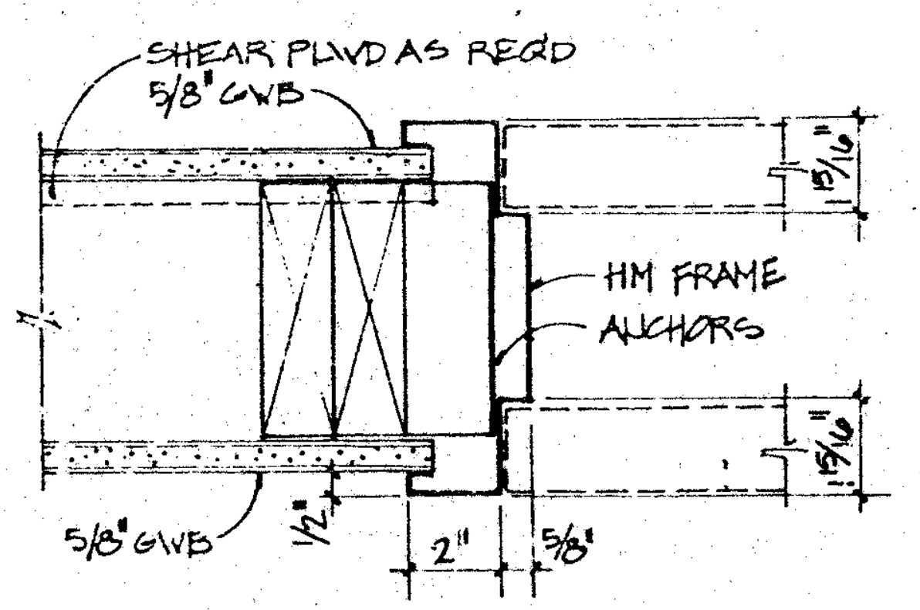
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Window Details & Cabinet Finish Schedule

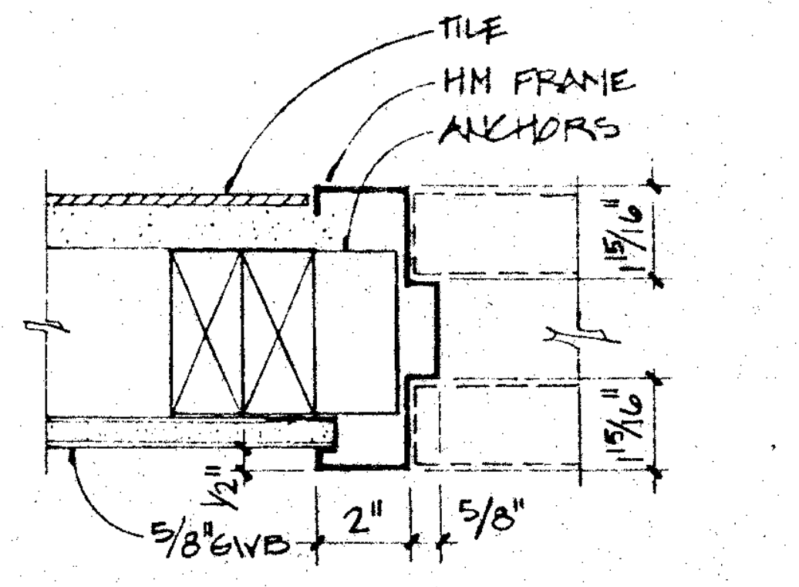
Sheet Number
TD-6
Of Sheets


15/16"
HM FRAME
ANCHORS
15/16"
2"
5/8"
SPLIT FACE CMU

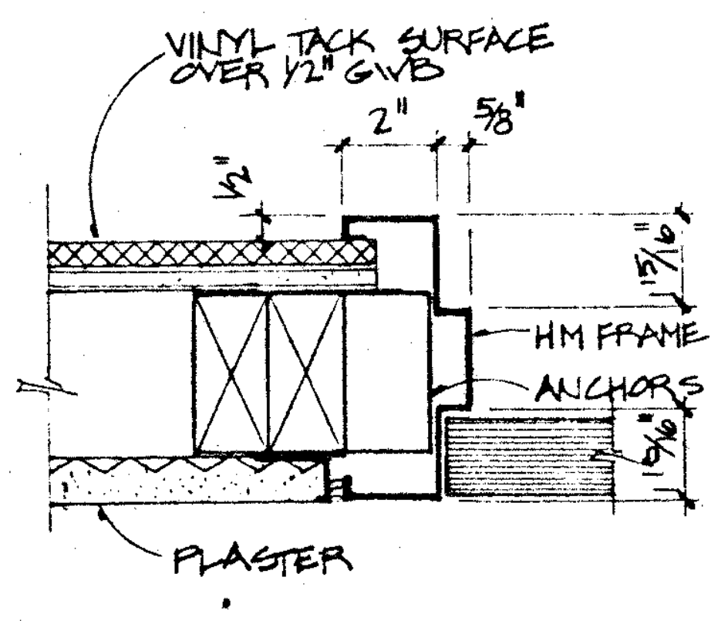
JAMB/HEAD 3" 1


SHEAR PLWD AS REQD
5/8" GWB
15/16"
HM FRAME
ANCHORS
15/16"
5/8" GWB
1/2"
2"
5/8"

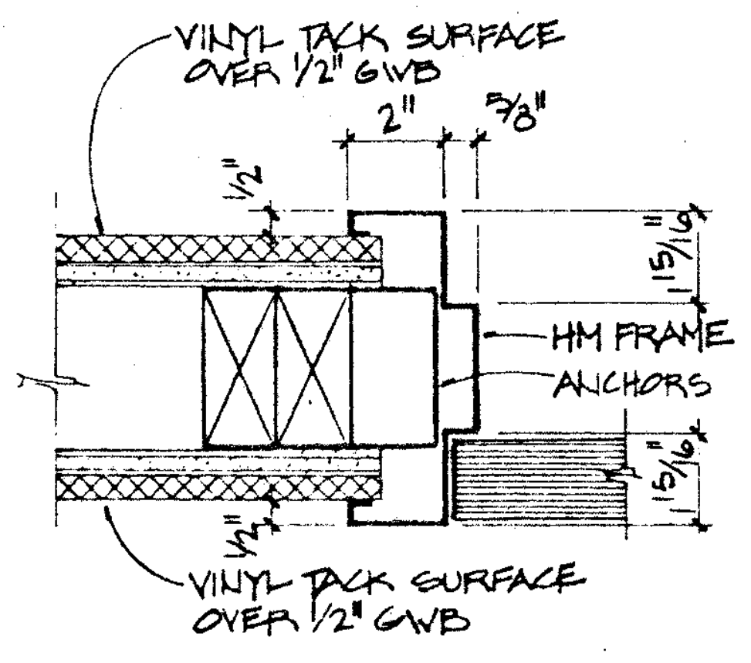
JAMB/HEAD 3" 2


TILE
HM FRAME
ANCHORS
15/16"
15/16"
1/2"
5/8" GWB
2"
5/8"

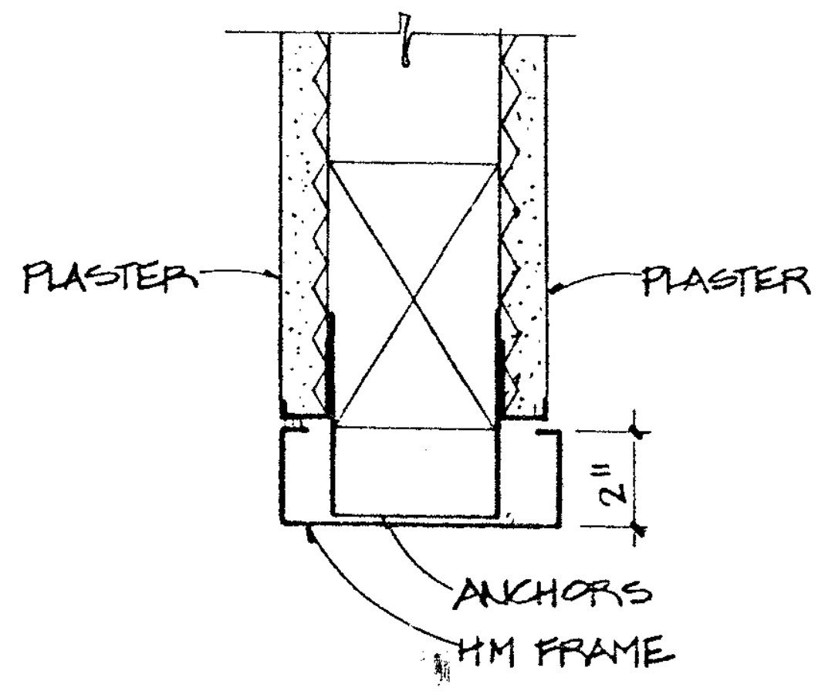
JAMB/HEAD 3" 3


VINYL TACK SURFACE OVER 1/2" GWB
2"
5/8"
1/2"
15/16"
HM FRAME
ANCHORS
15/16"
PLASTER

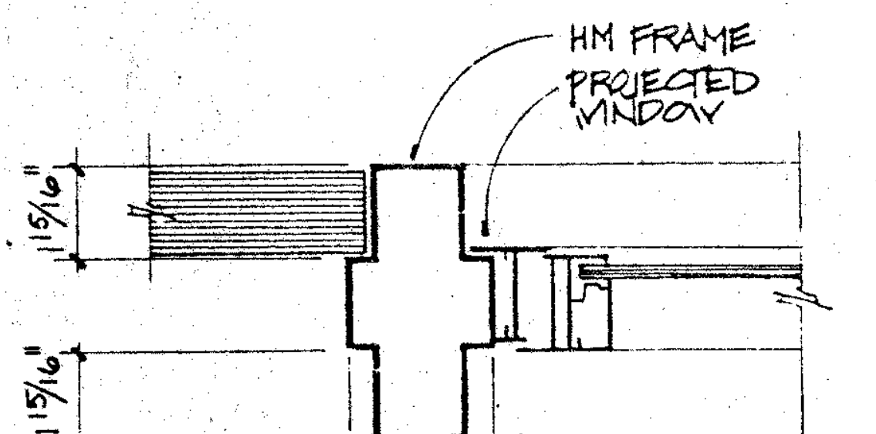
JAMB/HEAD 3" 4


VINYL TACK SURFACE OVER 1/2" GWB
2"
5/8"
1/2"
15/16"
HM FRAME
ANCHORS
15/16"
1/2"
VINYL TACK SURFACE OVER 1/2" GWB

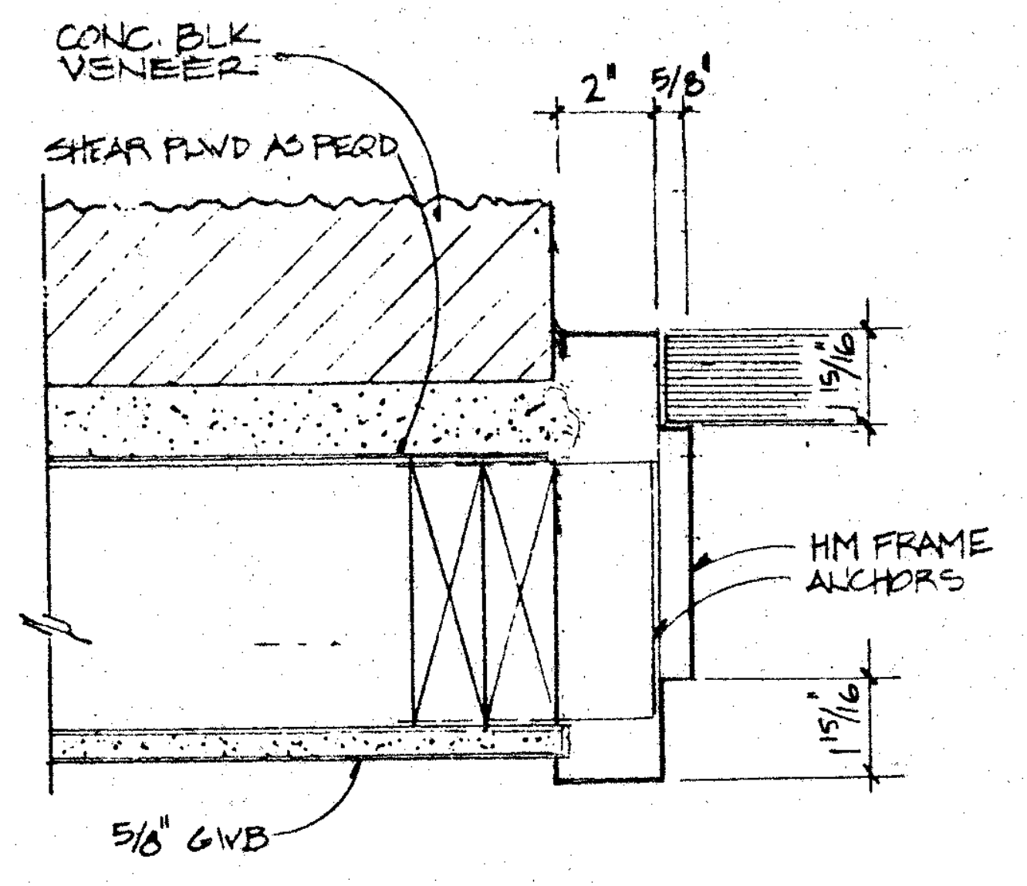
JAMB/HEAD 3" 5


PLASTER
PLASTER
2"
ANCHORS
HM FRAME

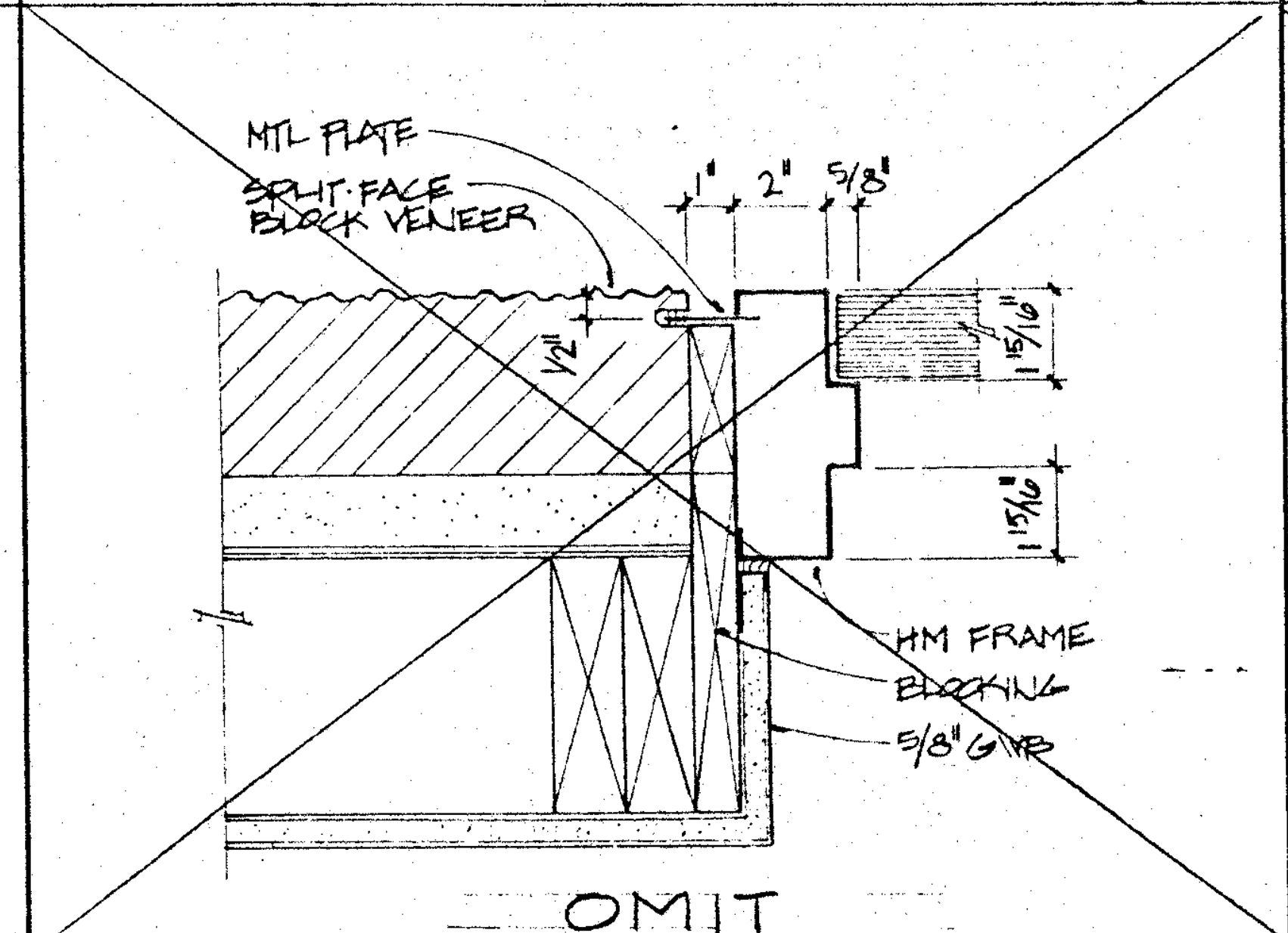
HEAD 3" 6


HM FRAME
PROJECTED WINDOW
15/16"
15/16"
5/8"
2"
5/8"

JAMB/HEAD 3" 7

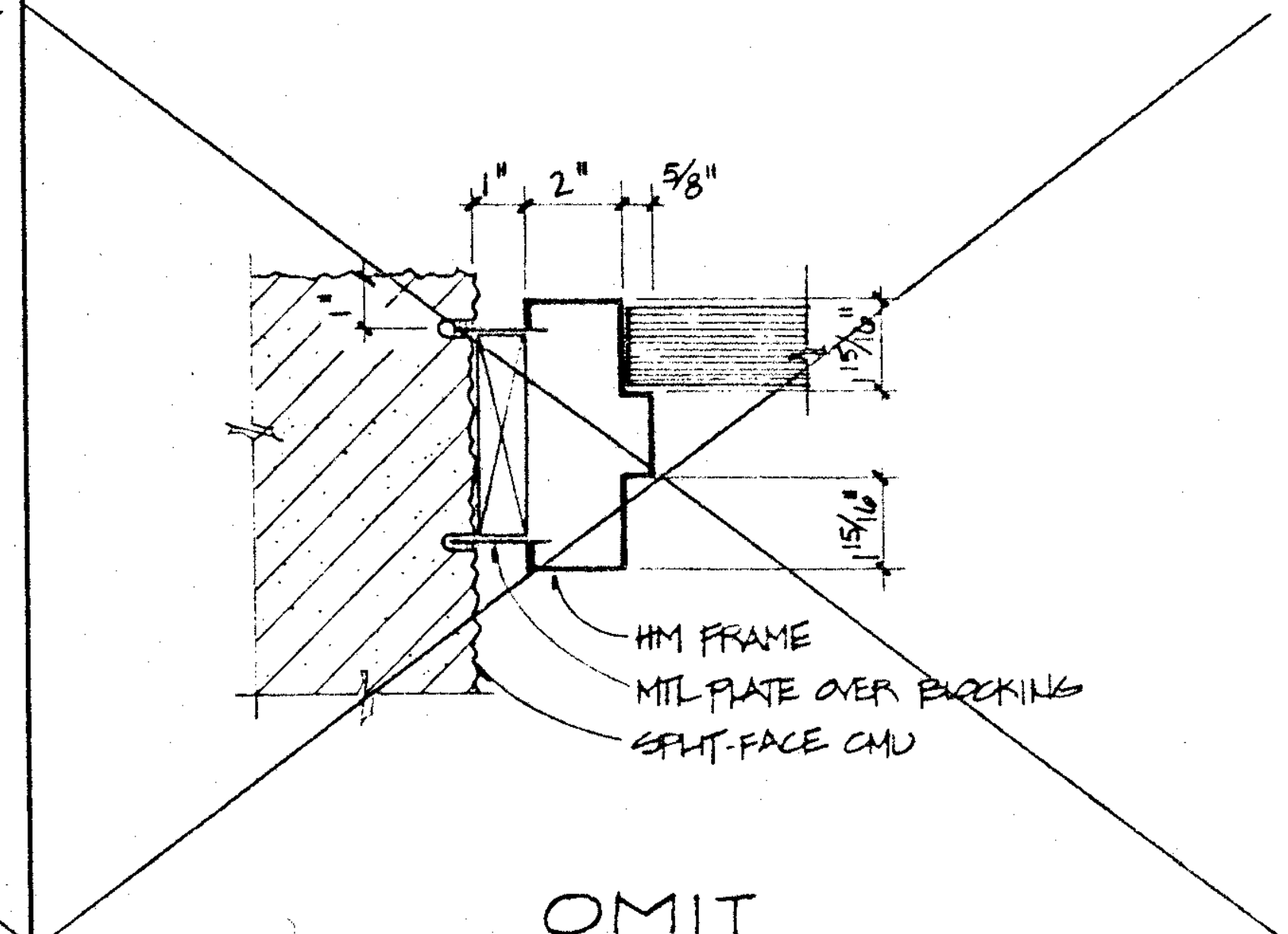

CONC. BLK. VENEER
SHEAR PLWD AS REQD
2"
5/8"
15/16"
HM FRAME
ANCHORS
15/16"
5/8" GWB

JAMB 3" 8


MTL PLATE
SPLIT-FACE BLOCK VENEER
1"
2"
5/8"
1/2"
15/16"
15/16"
HM FRAME
BLOCKING
5/8" GWB

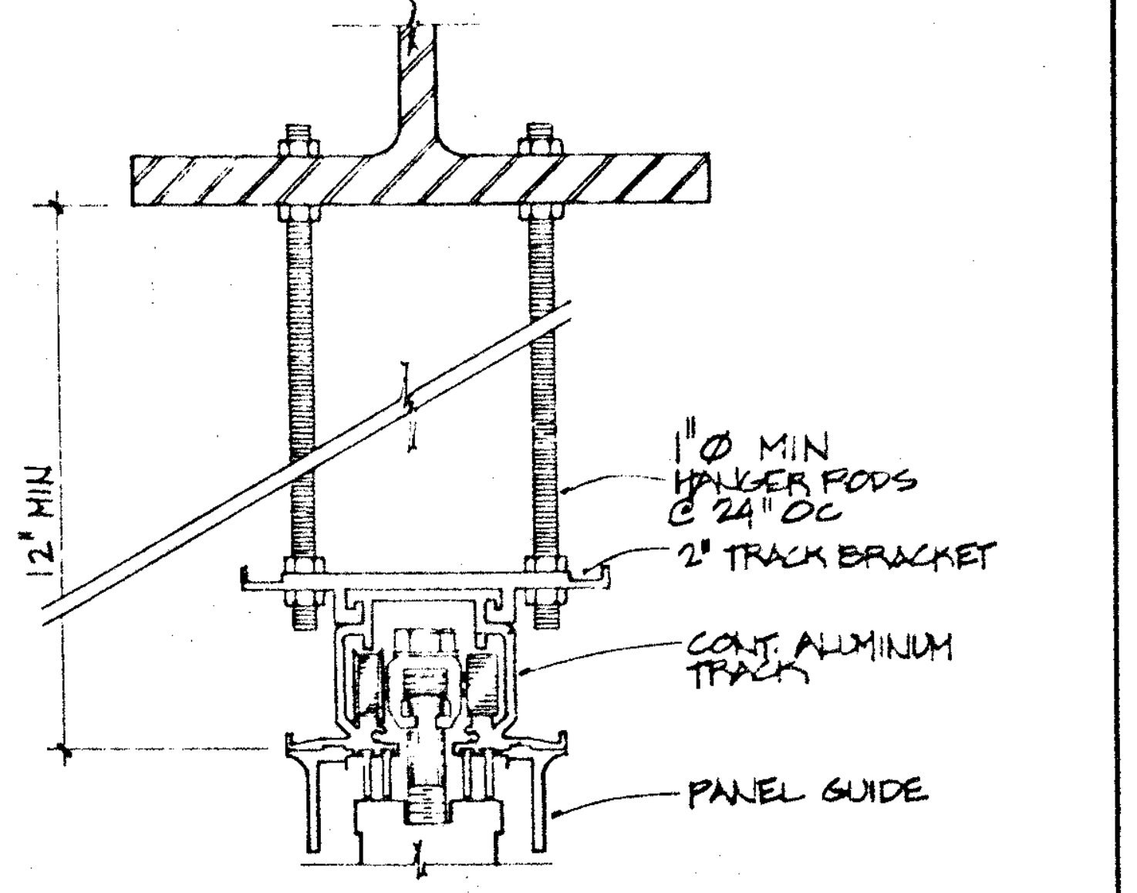
OMIT

JAMB 3" 9

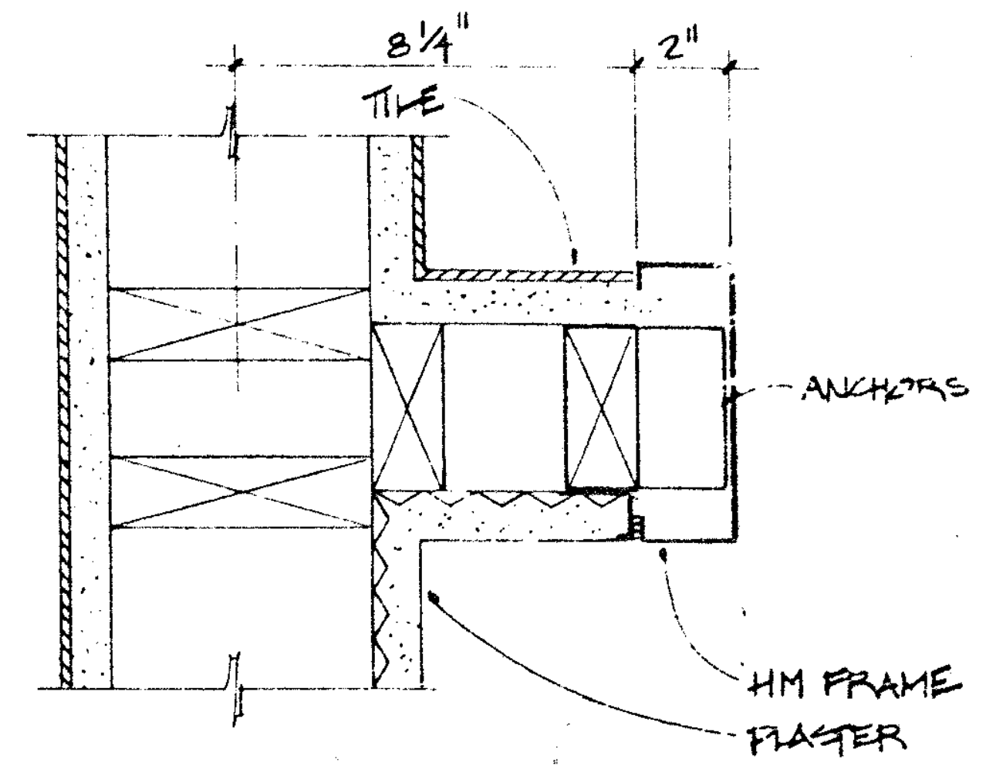

1"
2"
5/8"
15/16"
15/16"
HM FRAME
MTL PLATE OVER BLOCKING
SPLIT-FACE CMU

OMIT

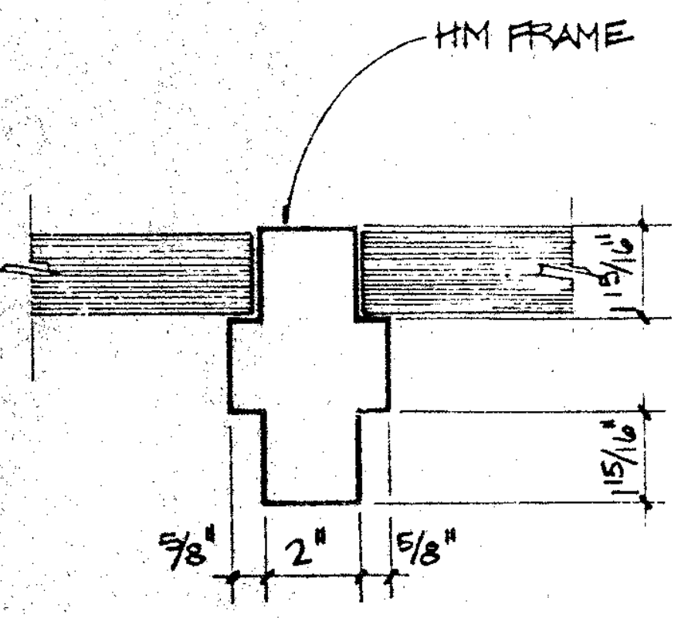
JAMB 3" 10


12" MIN
1" Ø MIN HANGER RODS @ 24" OC
2" TRACK BRACKET
CONT. ALUMINUM TRACK
PANEL GUIDE

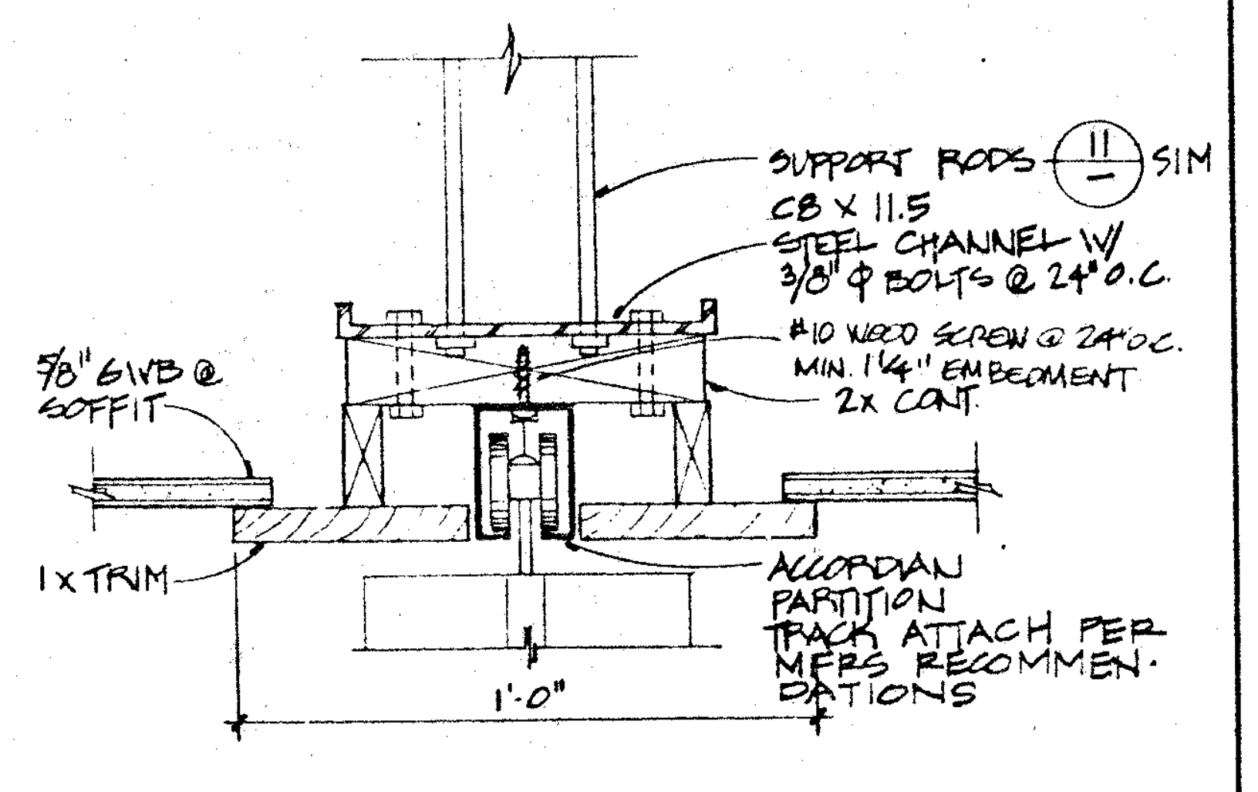
HEAD 3" 11


8 1/4"
2"
TILE
ANCHORS
HM FRAME
PLASTER

JAMB 3" 12

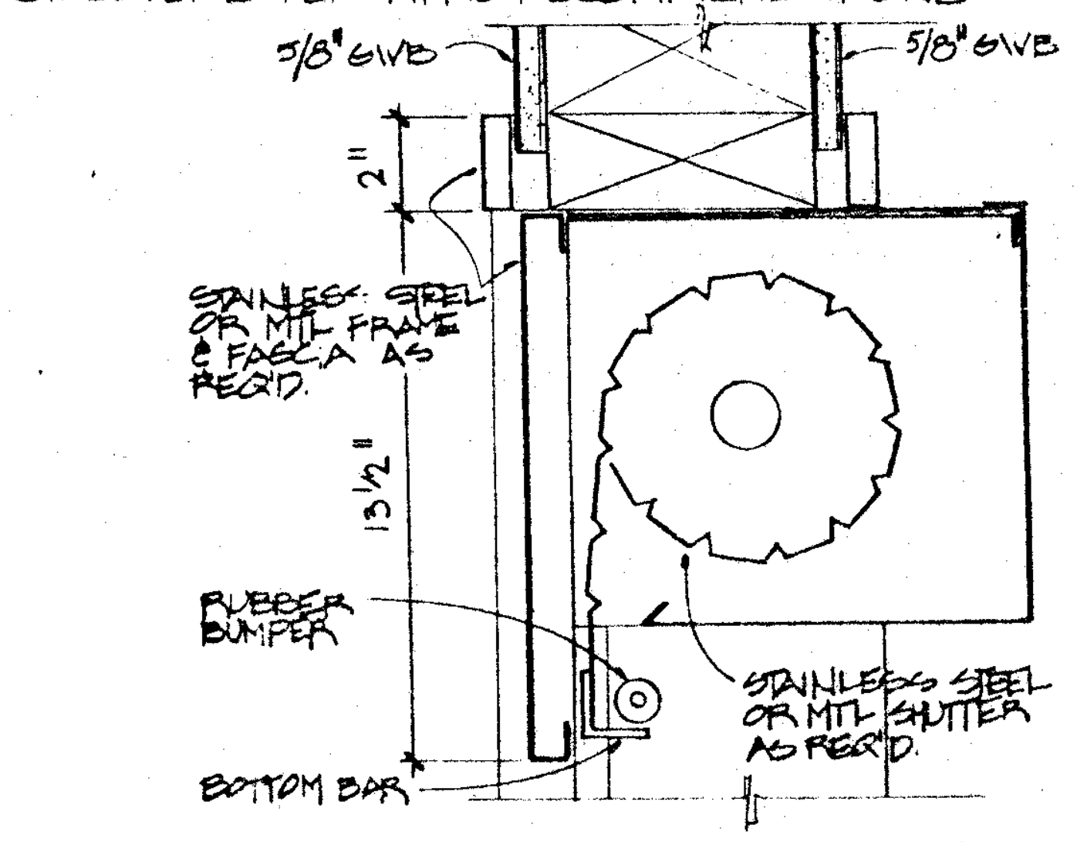

HM FRAME
15/16"
15/16"
5/8"
2"
5/8"

JAMB 3" 13

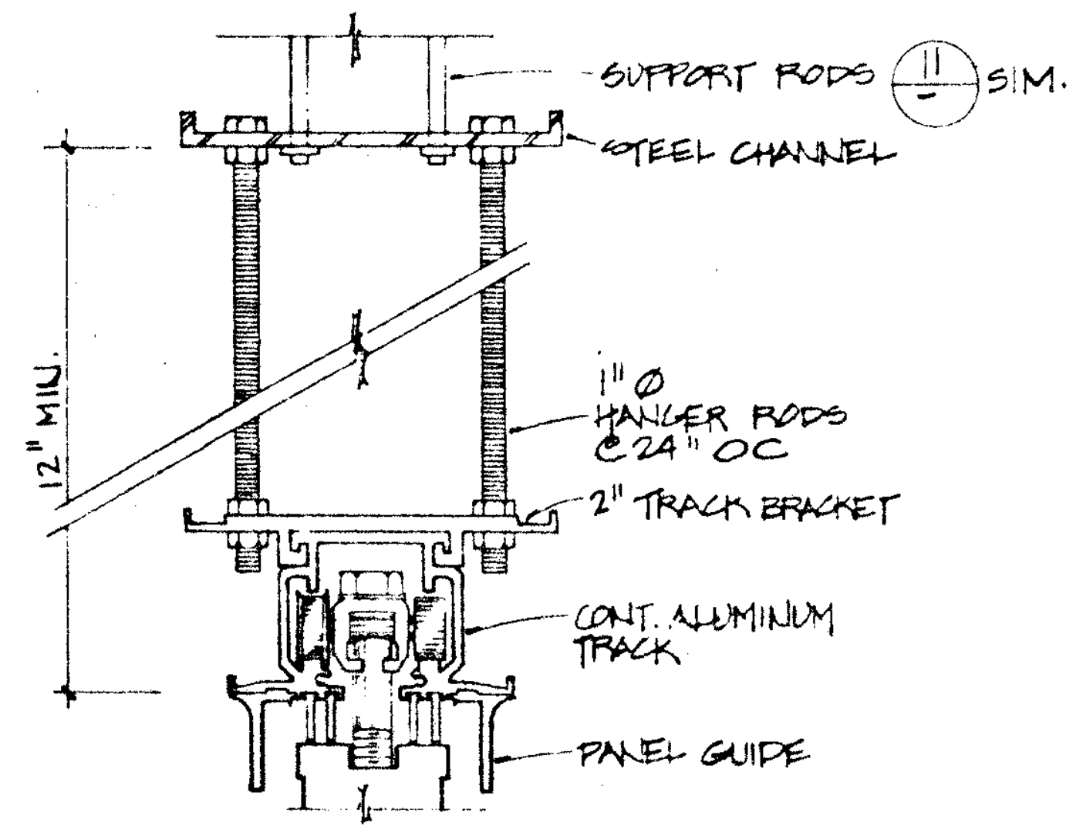

SUPPORT RODS 11 SIM
C8 X 11.5 STEEL CHANNEL W/ 3/8" Ø BOLTS @ 24" O.C.
#10 WOOD SCREW @ 24" O.C. MIN. 1 1/4" EMBEDMENT
2X CONT.
5/8" GWB @ SOFFIT
1X TRIM
ACCORDIAN PARTITION TRACK ATTACH PER MFRS RECOMMENDATIONS
1'-0"

HEAD 3" 14

FASTEN MTL DOOR FRAME TO STRUCTURE PER MFRS RECOMMENDATIONS

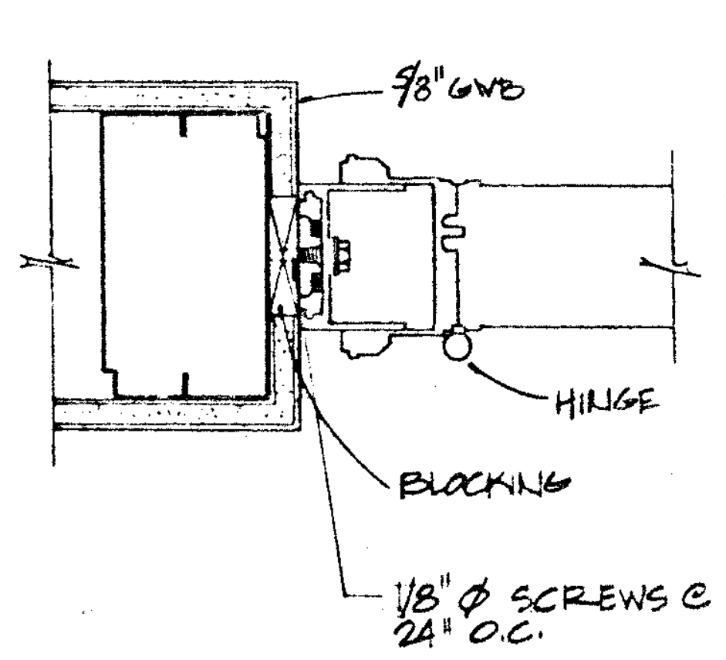

5/8" GWB
5/8" GWB
2"
STAINLESS STEEL OR MTL FRAME & FASCIA AS REQ'D.
13 1/2"
RUBBER BUMPER
STAINLESS STEEL OR MTL SHUTTER AS REQ'D.
BOTTOM BAR

HEAD - COUNTER DOOR 3" 15

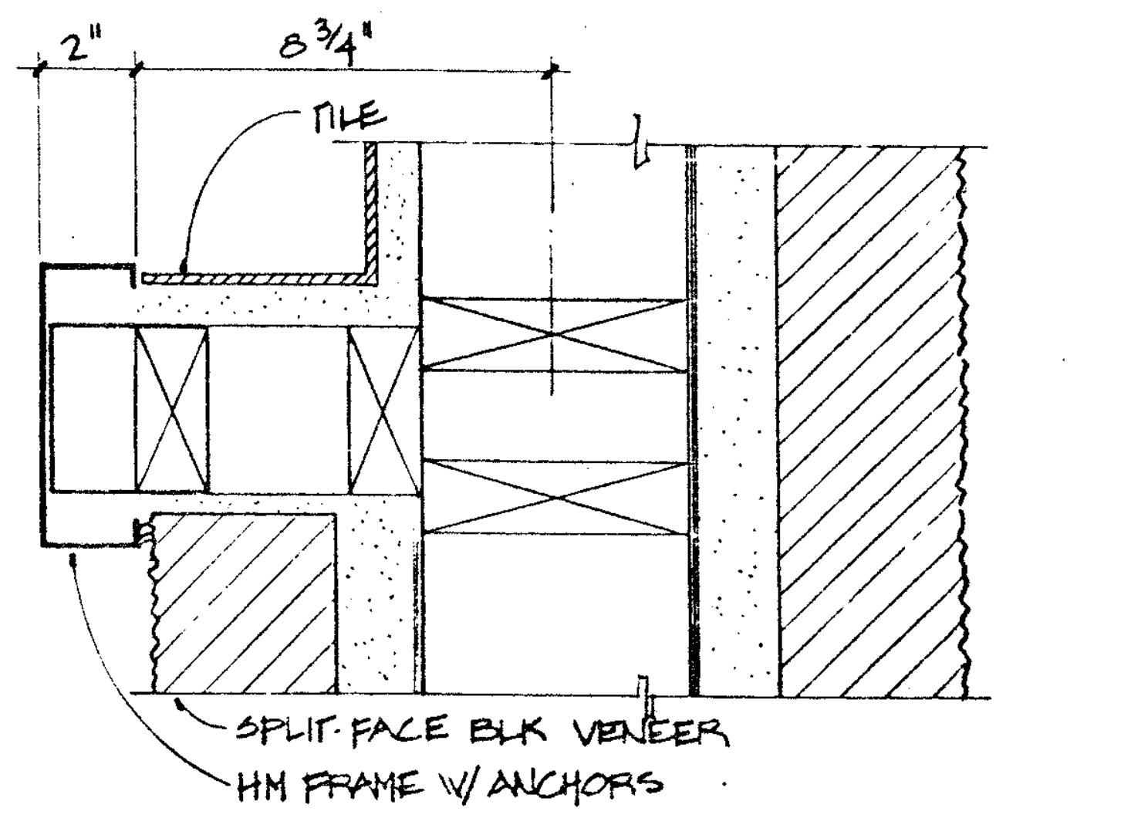

SUPPORT RODS 11 SIM.
STEEL CHANNEL
12" MIN.
1" Ø HANGER RODS @ 24" OC
2" TRACK BRACKET
CONT. ALUMINUM TRACK
PANEL GUIDE

HEAD 3" 16

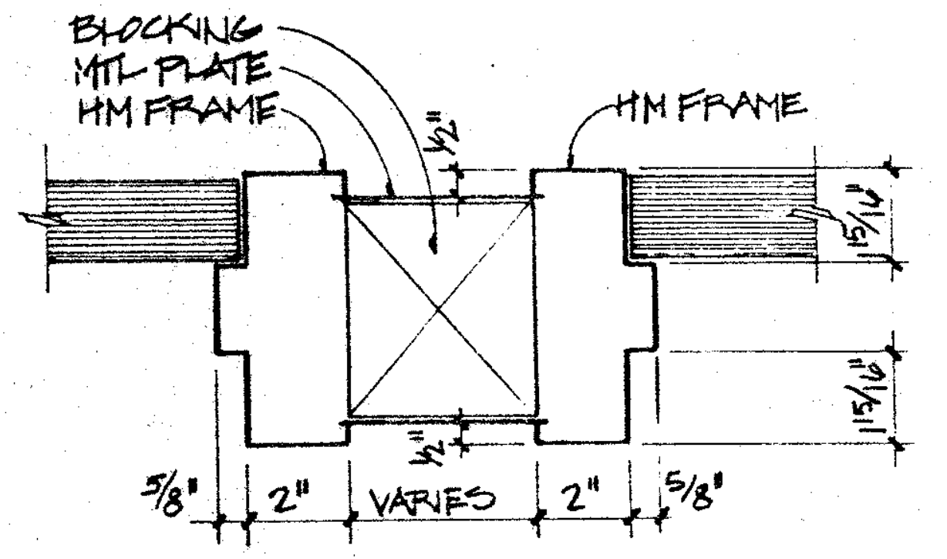
ATTACH FRAME TO STUDS PER MFR'S RECOMMENDATIONS


5/8" GWB
HINGE
BLOCKING
1/8" Ø SCREWS @ 24" O.C.

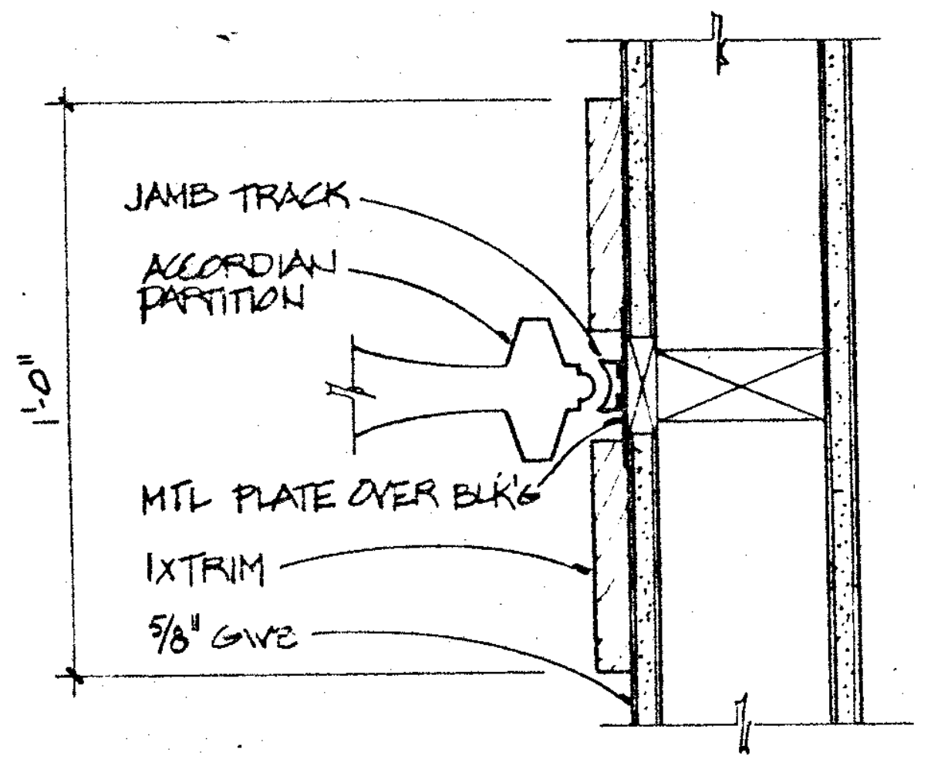
JAMB 3" 17


2"
8 3/4"
TILE
SPLIT-FACE BLK VENEER
HM FRAME W/ ANCHORS

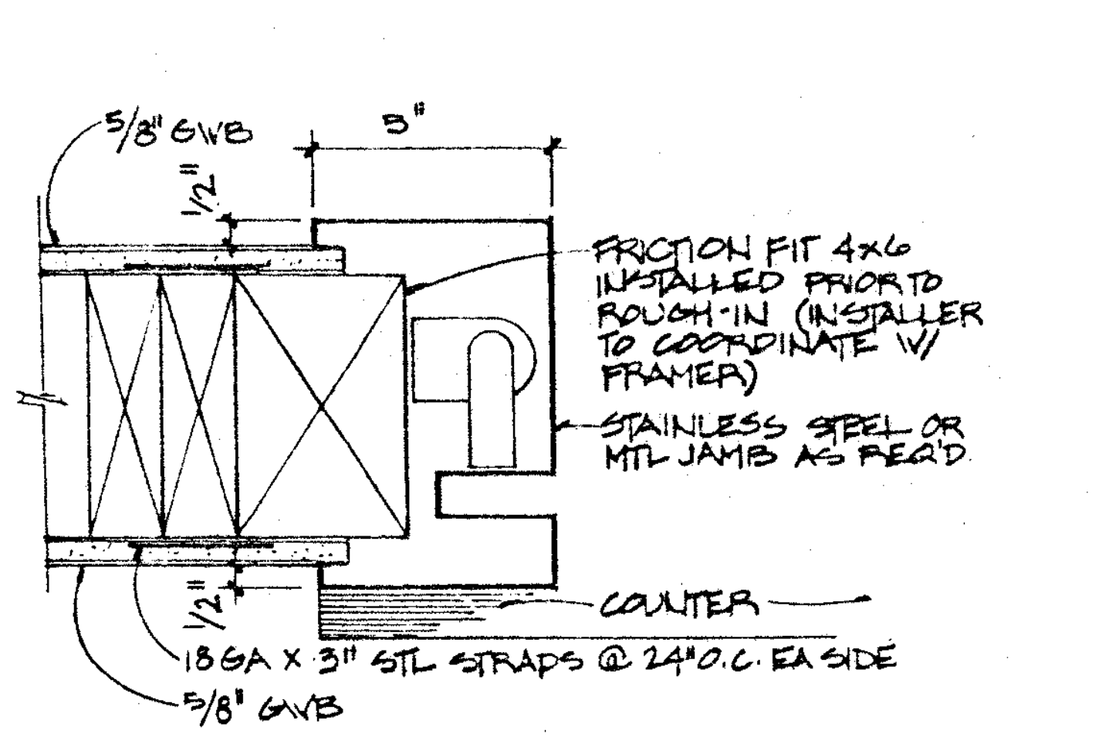
JAMB 3" 18


BLOCKING
MTL PLATE
HM FRAME
1/2"
HM FRAME
15/16"
15/16"
1/2"
5/8"
2"
VARIES
2"
5/8"

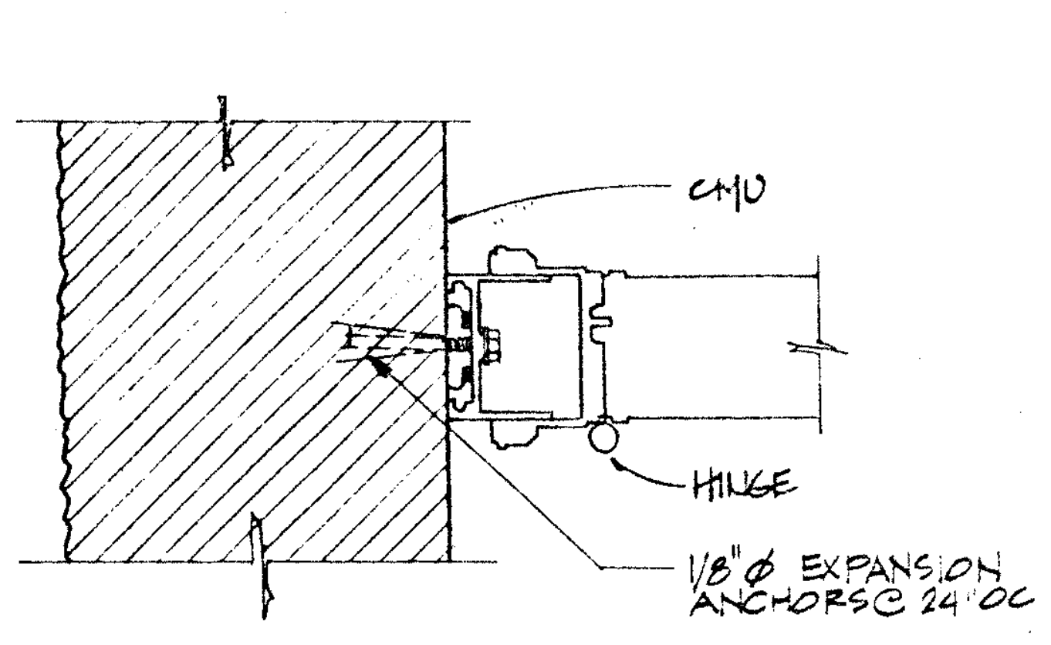
JAMB 3' 19


JAMB TRACK
ACCORDIAN PARTITION
1'-0"
MTL PLATE OVER BLK'G
1X TRIM
5/8" GWB

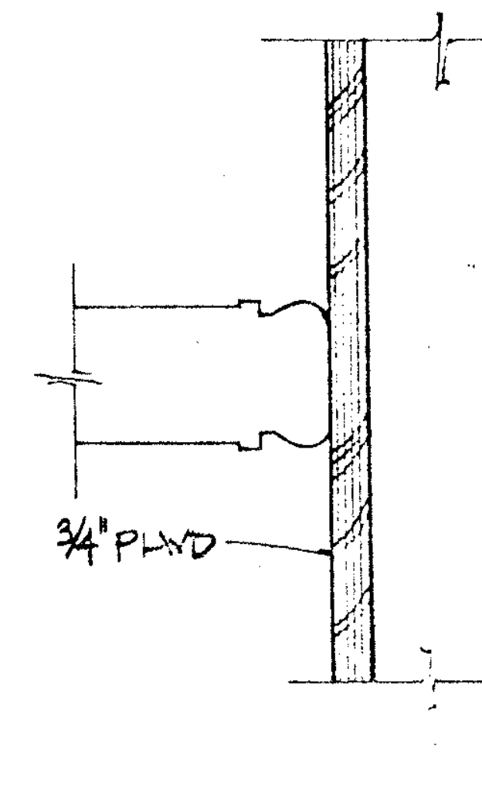
JAMB 3" 20


5/8" GWB
5"
1/2"
FRICTION FIT 4x6 INSTALLED PRIOR TO ROUGH-IN (INSTALLER TO COORDINATE W/ FRAMER)
STAINLESS STEEL OR MTL JAMB AS REQ'D
COUNTER
1/2"
18 GA X 3" STL STRAPS @ 24" O.C. EA SIDE
5/8" GWB

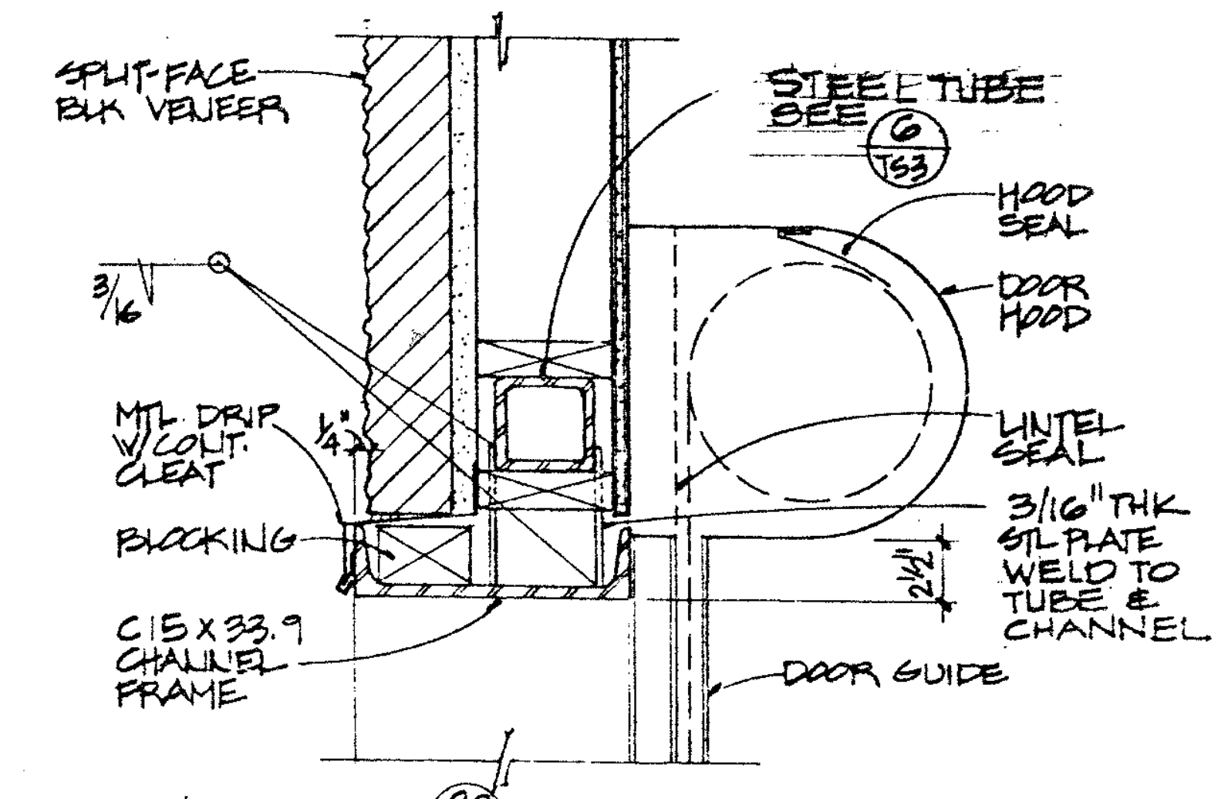
JAMB - COUNTER DOOR 3" 21


CMU
HINGE
1/8" Ø EXPANSION ANCHORS @ 24" OC

JAMB 3" 22

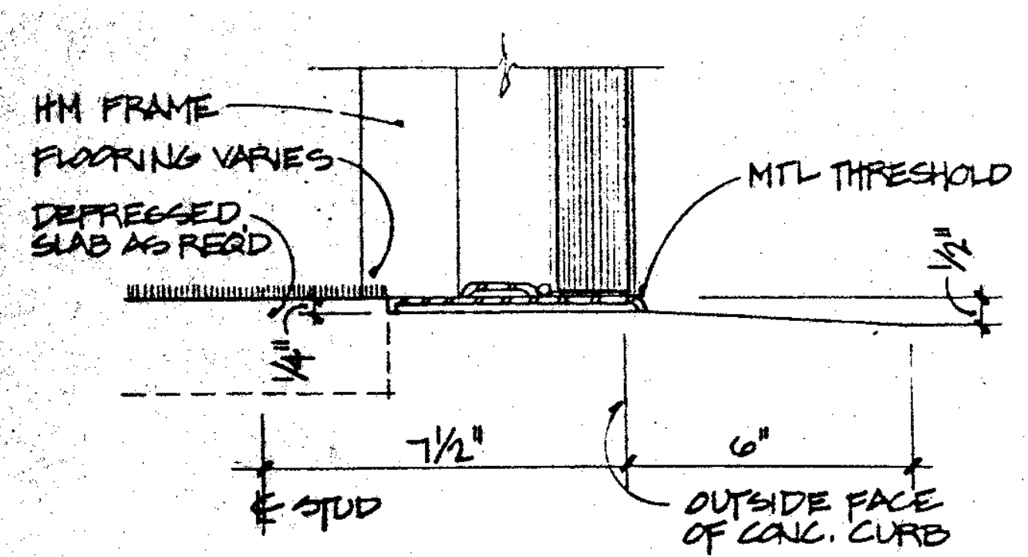


JAMB 3" 23

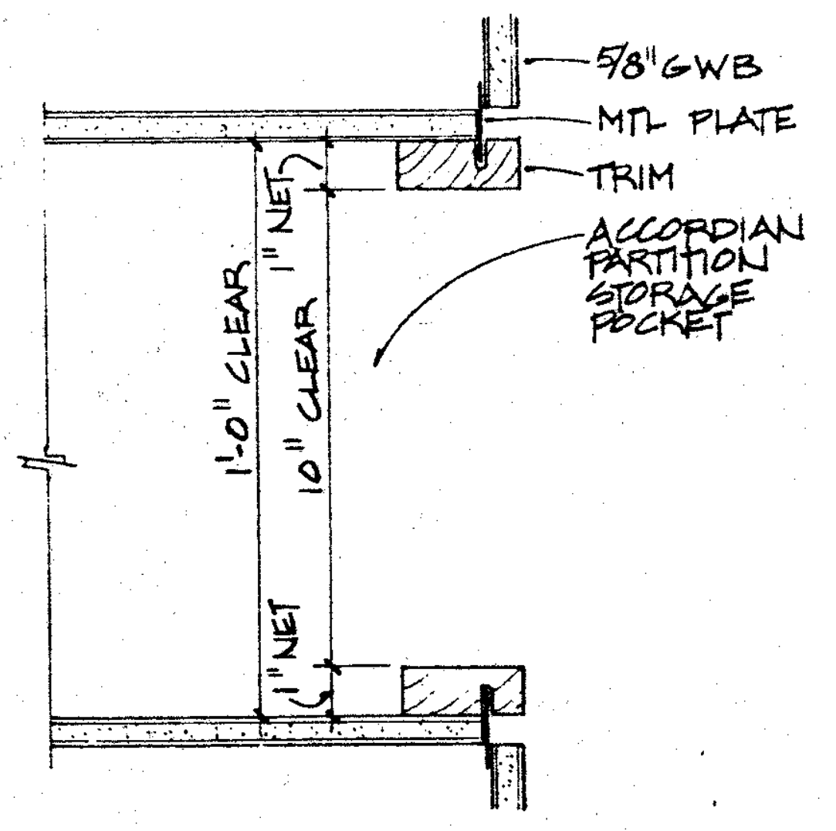

SPLIT-FACE BLK VENEER
STEEL TUBE SEE 6 TS3
HOOD SEAL
DOOR HOOD
3/16
MTL DRIP W/ CONT. CLEAT
1/4"
LINTEL SEAL
3/16" THK STL PLATE WELD TO TUBE & CHANNEL
BLOCKING
2 1/2"
C15 X 33.9 CHANNEL FRAME
DOOR GUIDE

FOR ADD'L INFO SEE 30

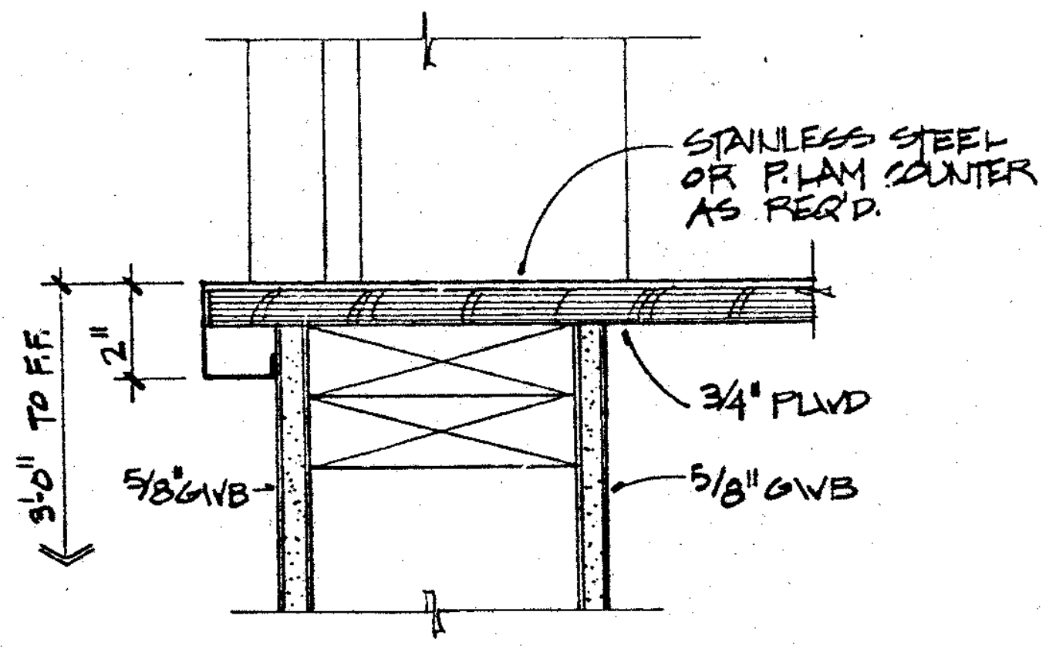
HEAD - O'HEAD COILING DOOR 1 1/2" 24


HM FRAME
FLOORING VARIES
DEPRESSED SLAB AS REQ'D
MTL THRESHOLD
1/2"
1/4"
7 1/2"
6"
℄ STUD
OUTSIDE FACE OF CONC. CURB

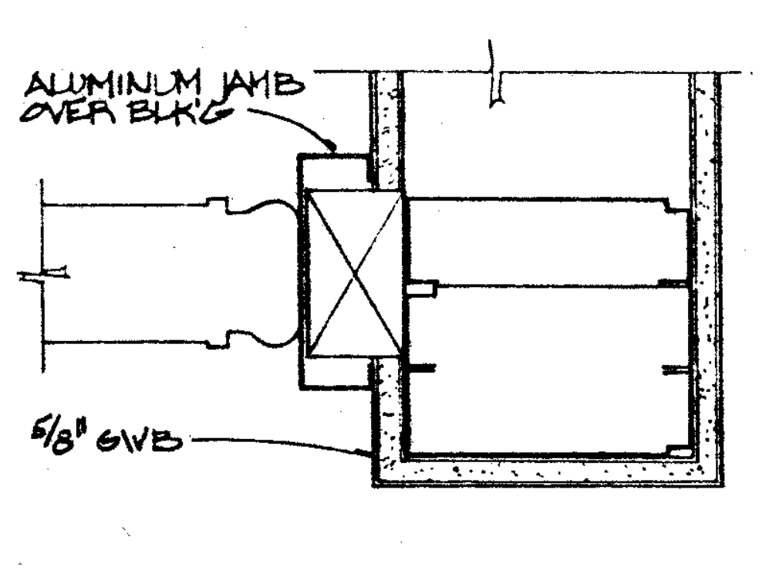
THRESHOLD 3" 25


5/8" GWB
MTL PLATE
TRIM
ACCORDIAN PARTITION STORAGE POCKET
1'-0" CLEAR
10" CLEAR
1" NET
1" NET

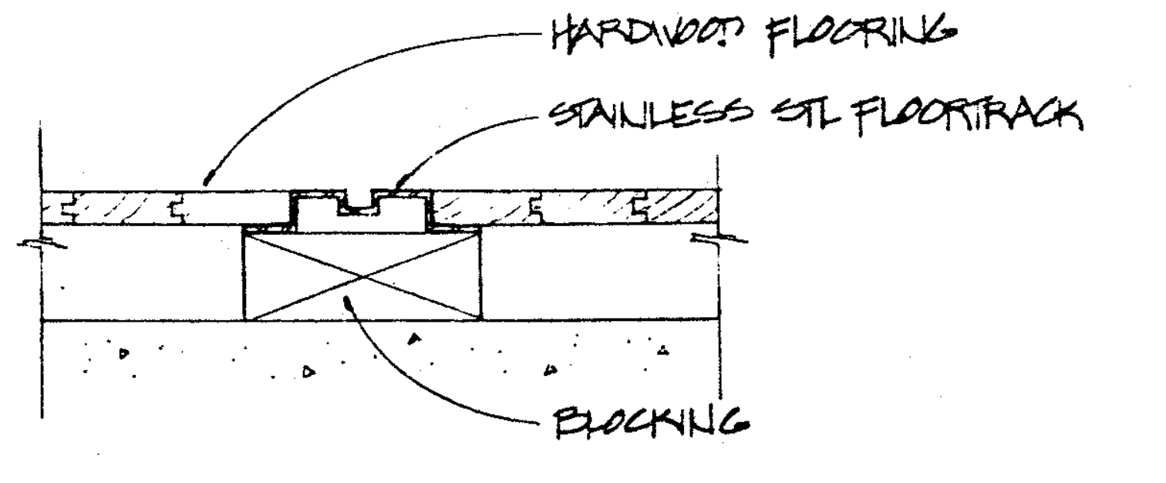
JAMB 3" 26


STAINLESS STEEL OR P.LAM COUNTER AS REQ'D.
2"
3'-0" TO F.F.
3/4" PLWD
5/8" GWB
5/8" GWB

SILL-COUNTER DOOR 3" 27


ALUMINUM JAMB OVER BLK'G
5/8" GWB

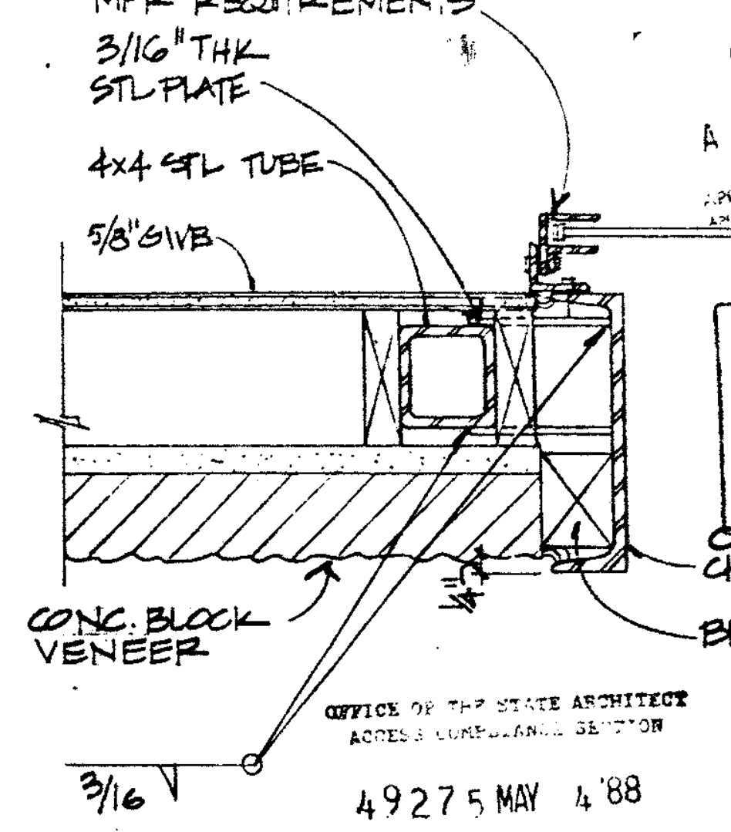
JAMB 3" 28


HARDWOOD FLOORING
STAINLESS STL FLOORTRACK
BLOCKING

THRESHOLD 3" 29

STEEL ANGLE DOOR GUIDES ATTACH PER MFR REQUIREMENTS

FOR ADD'L NOTES REFER TO 24


3/16" THK STL PLATE
4x4 STL TUBE
5/8" GWB
C15 x 33.9 CHANNEL FRAME
BLOCKING
CONC. BLOCK VENEER
3/16

OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION
A 49275 JUN 24 1988
P. M. C.

APPROVED FIRE AND PANIC ONLY
JUN 20 1988
STATE FIRE MARSHAL SOUTHERN REGION

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
49275 MAY 4 '88

JAMB - O'HEAD COILING DOOR 1 1/2" 30

Drawn By
Checked By
Date MAR 1988
Commission No. 13002

Revisions
A 6/29/88 PHASING

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
3775 Tenth Street
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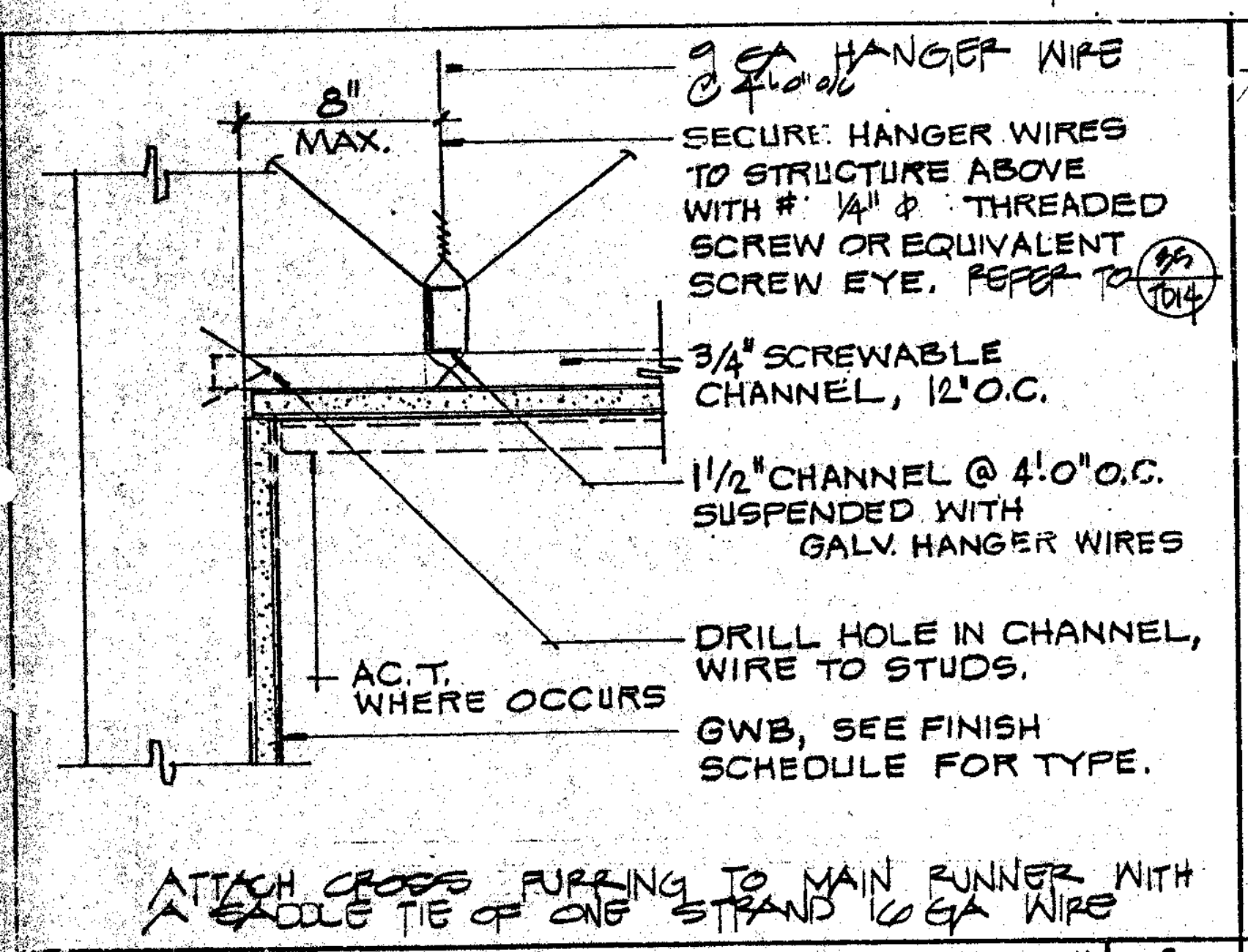
714/684-4664
5751 Palmer Way, Suite C
Carlsbad, CA 92008-1995
619/438-5899

ARCHITECT
C-6497

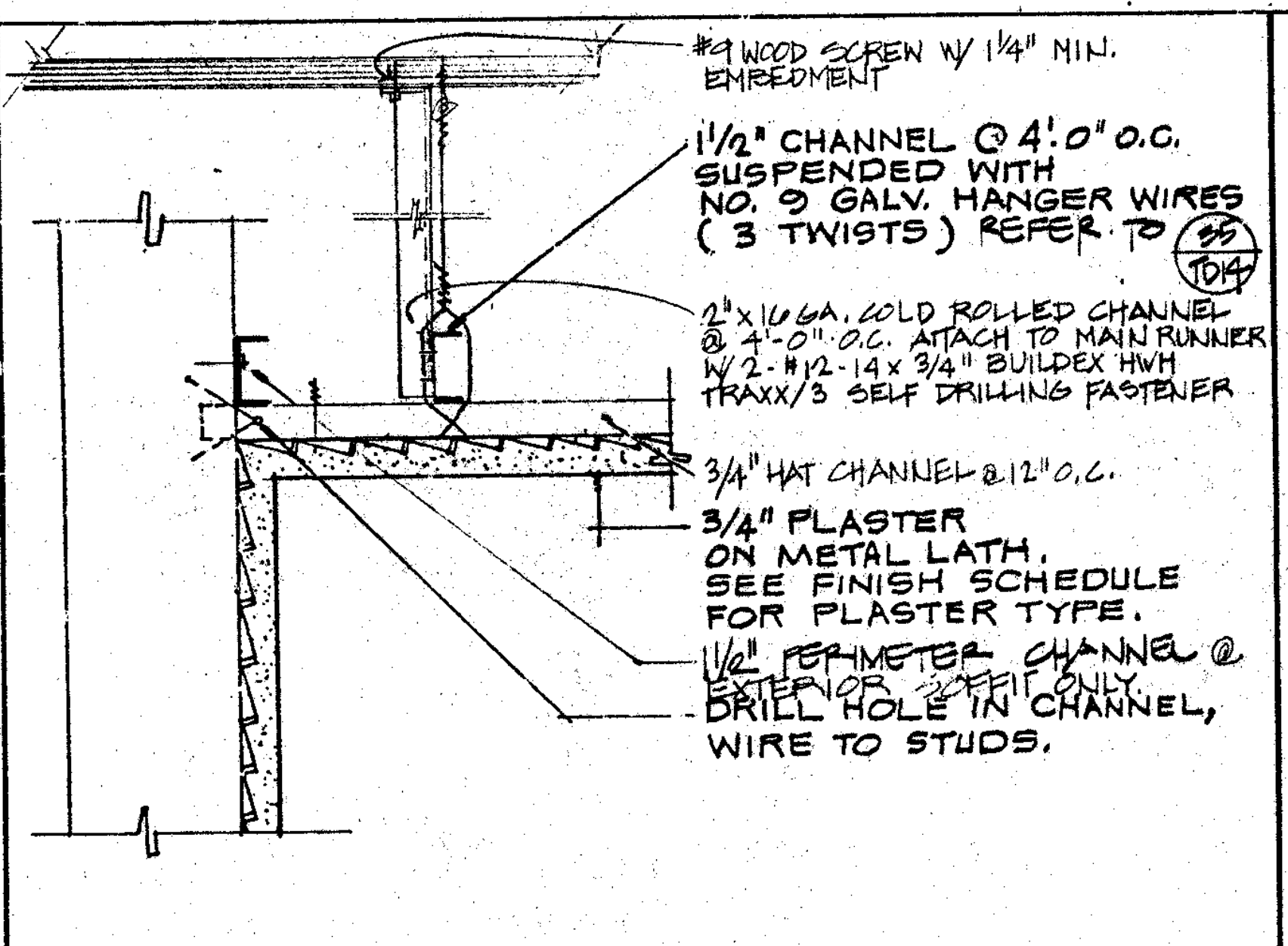
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Door Details

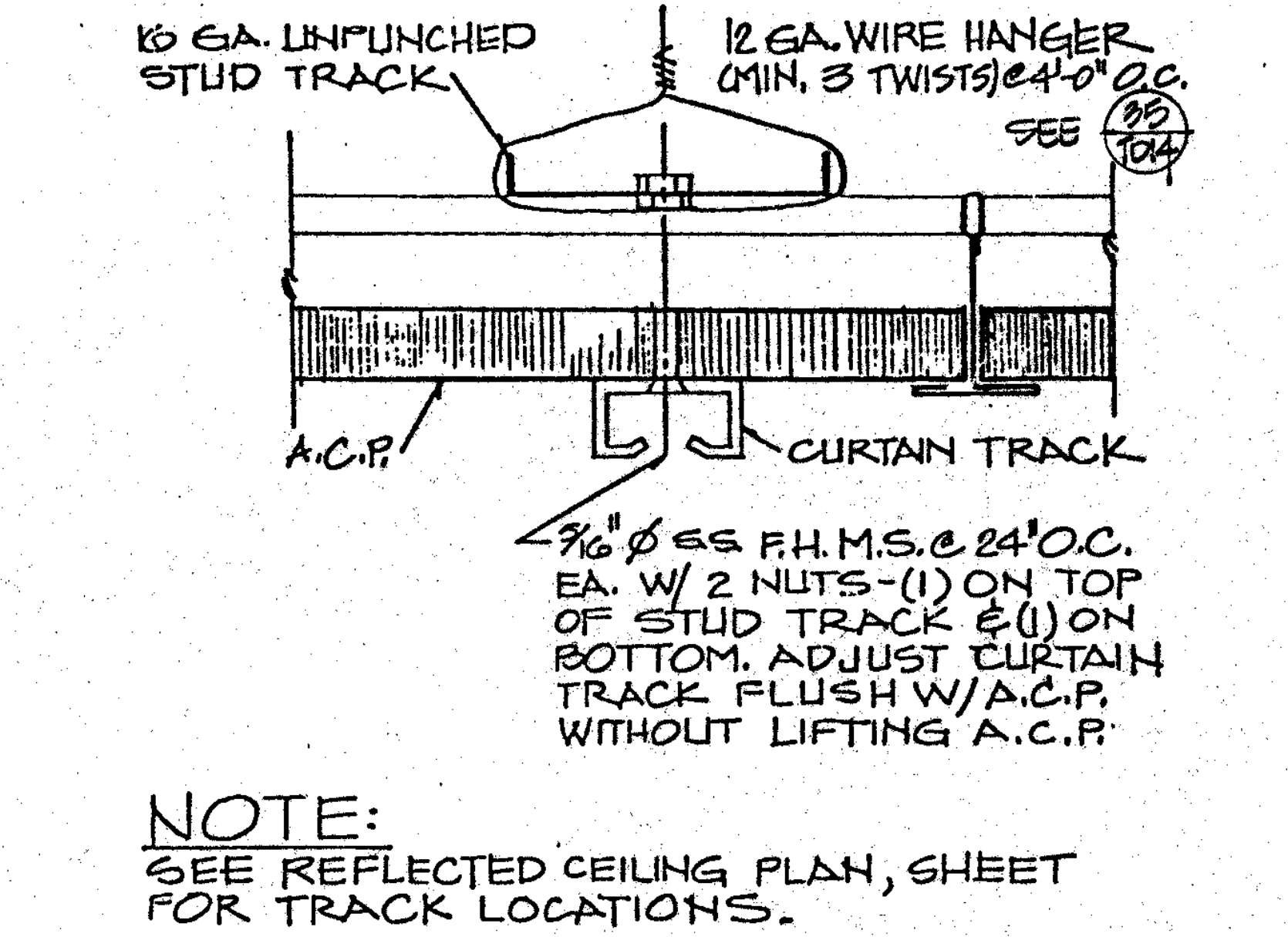
Sheet Number
TD-7
Of Sheets


9 GA HANGER WIRE @ 4'-0" o/c
8" MAX.
SECURE HANGER WIRES TO STRUCTURE ABOVE WITH # 1/4" ϕ THREADED SCREW OR EQUIVALENT SCREW EYE. REFER TO 35/TD14
3/4" SCREWABLE CHANNEL, 12" O.C.
1 1/2" CHANNEL @ 4'-0" O.C. SUSPENDED WITH GALV. HANGER WIRES
DRILL HOLE IN CHANNEL, WIRE TO STUDS.
A.C.T. WHERE OCCURS
GWB, SEE FINISH SCHEDULE FOR TYPE.
ATTACH CROSS FURRING TO MAIN RUNNER WITH A SADDLE TIE OF ONE STRAND 16 GA WIRE

GYPSUM BOARD CEILING 3" **1**

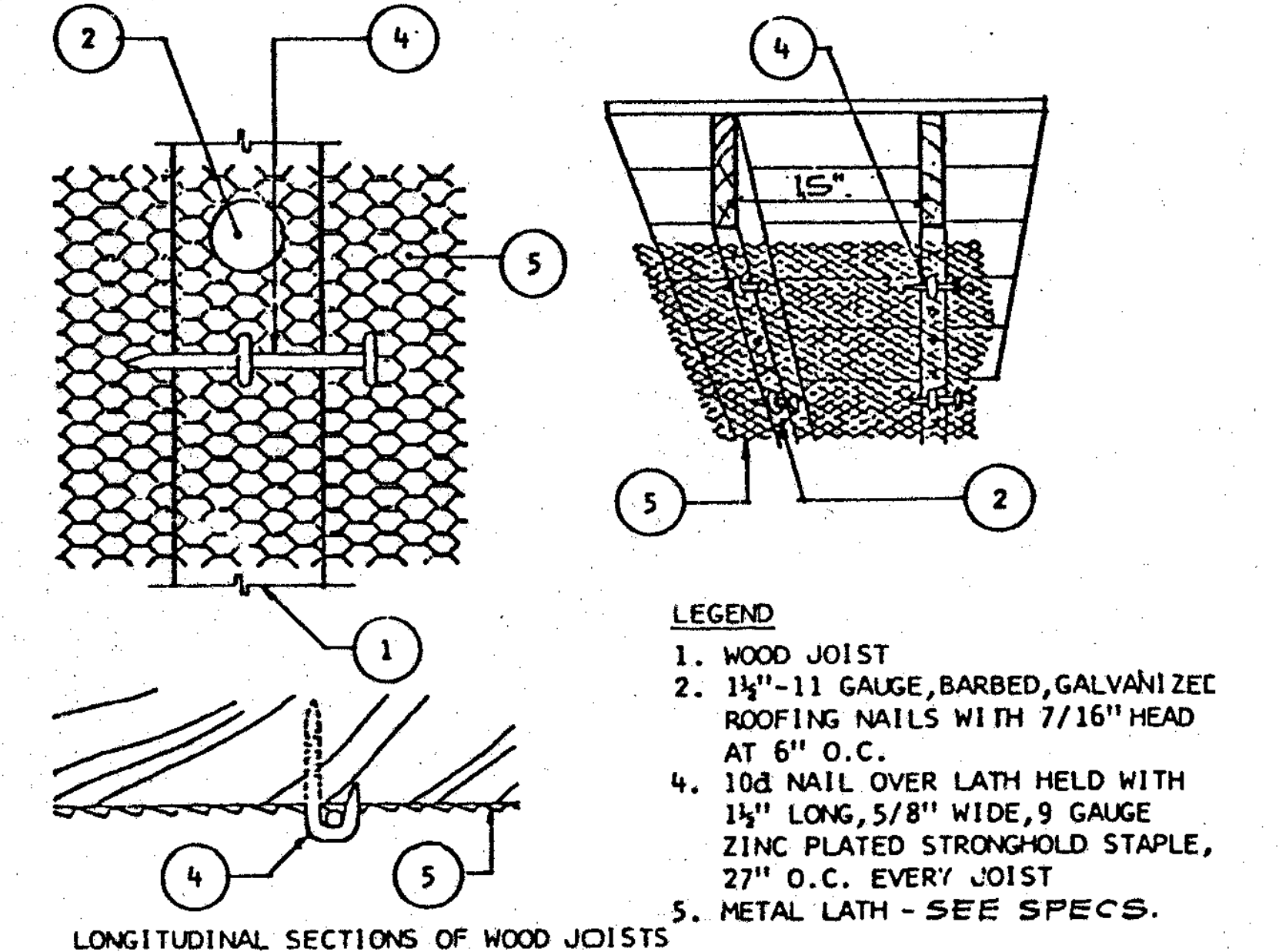

#9 WOOD SCREW W/ 1 1/4" MIN. EMBEDMENT
1 1/2" CHANNEL @ 4'-0" O.C. SUSPENDED WITH NO. 9 GALV. HANGER WIRES (3 TWISTS) REFER TO 35/TD14
2" x 16 GA. COLD ROLLED CHANNEL @ 4'-0" O.C. ATTACH TO MAIN RUNNER W/ 2-#12-14 x 3/4" BUILDEX HWH TRAXX/3 SELF DRILLING FASTENER
3/4" HAT CHANNEL @ 12" O.C.
3/4" PLASTER ON METAL LATH. SEE FINISH SCHEDULE FOR PLASTER TYPE.
1 1/2" PERIMETER CHANNEL @ EXTERIOR SOFFIT ONLY.
DRILL HOLE IN CHANNEL, WIRE TO STUDS.

PLASTER CEILING & WALL 3" **2**


16 GA. UNPUNCHED STUD TRACK
12 GA. WIRE HANGER (MIN. 3 TWISTS) @ 4'-0" O.C. SEE 35/TD14
A.C.P.
CURTAIN TRACK
3/16" ϕ SS F.H.M.S. @ 24" O.C. EA. W/ 2 NUTS-(1) ON TOP OF STUD TRACK & (1) ON BOTTOM. ADJUST CURTAIN TRACK FLUSH W/ A.C.P. WITHOUT LIFTING A.C.P.

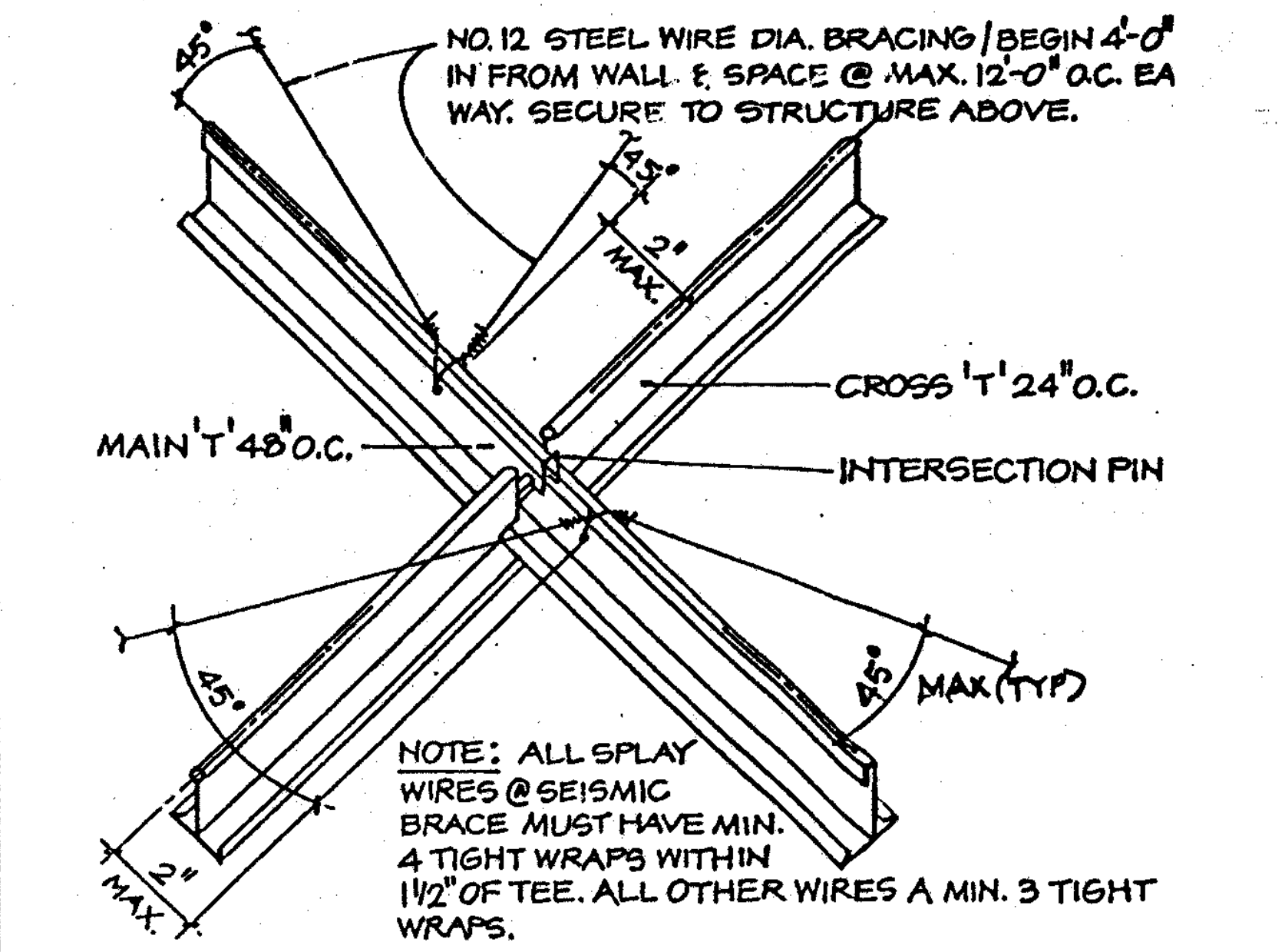
NOTE:
SEE REFLECTED CEILING PLAN, SHEET FOR TRACK LOCATIONS.

CUBICLE CURTAIN TRACK 6" **3**


2
4
5
15"
1
LONGITUDINAL SECTIONS OF WOOD JOISTS

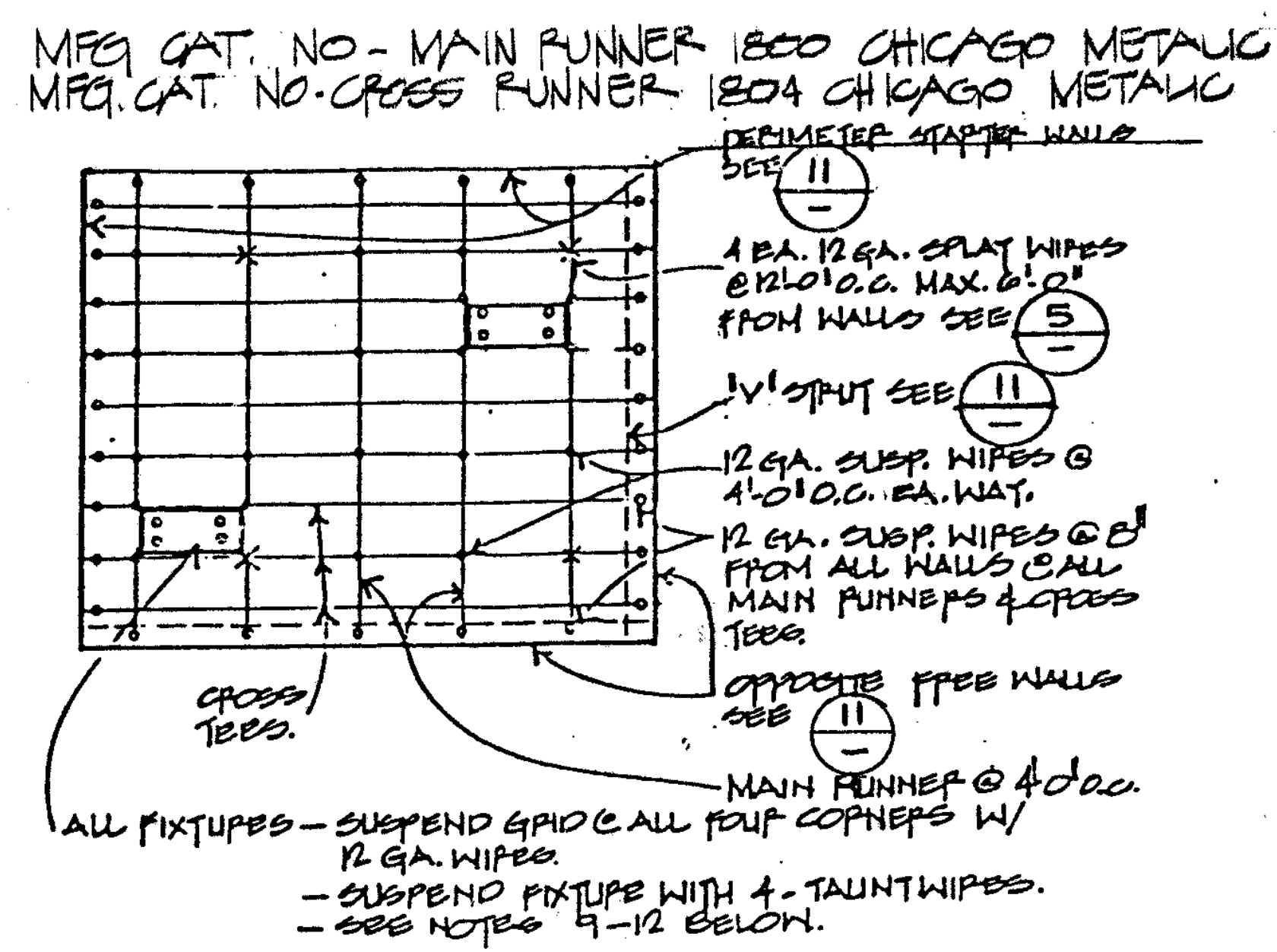
LEGEND
1. WOOD JOIST
2. 1½"-11 GAUGE, BARBED, GALVANIZED ROOFING NAILS WITH 7/16" HEAD AT 6" O.C.
4. 10d NAIL OVER LATH HELD WITH 1½" LONG, 5/8" WIDE, 9 GAUGE ZINC PLATED STRONGHOLD STAPLE, 27" O.C. EVERY JOIST
5. METAL LATH - SEE SPECS.

PLASTER LATH @ CEILINGS NTS **4**


NO. 12 STEEL WIRE DIA. BRACING / BEGIN 4'-0" IN FROM WALL & SPACE @ MAX. 12'-0" O.C. EA WAY. SECURE TO STRUCTURE ABOVE.
45°
2" MAX.
CROSS 'T' 24" O.C.
MAIN 'T' 48" O.C.
INTERSECTION PIN
MAX (TYP)

NOTE: ALL SPLAY WIRES @ SEISMIC BRACE MUST HAVE MIN. 4 TIGHT WRAPS WITHIN 1 1/2" OF TEE. ALL OTHER WIRES A MIN. 3 TIGHT WRAPS.

SPLAY WIRES NTS **5**


MFG. CAT. NO - MAIN RUNNER 1800 CHICAGO METALIC
MFG. CAT. NO - CROSS RUNNER 1804 CHICAGO METALIC
PERIMETER STARTER WALLS SEE 11
4 EA. 12 GA. SPLAY WIRES @ 12'-0" O.C. MAX. 6'-0" FROM WALLS SEE 5
'V' STRUT SEE 11
12 GA. SUSP. WIRES @ 4'-0" O.C. EA. WAY.
12 GA. SUSP. WIRES @ 8" FROM ALL WALLS @ ALL MAIN RUNNERS & CROSS TEES.
OPPOSITE FREE WALLS SEE 11
CROSS TEES.
MAIN RUNNER @ 4'-0" o.c.

ALL FIXTURES — SUSPEND GRID @ ALL FOUR CORNERS W/ 12 GA. WIRES.
— SUSPEND FIXTURE WITH 4 - TAUNT WIRES.
— SEE NOTES 9-12 BELOW.

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILINGS
(Grid System to be "Intermediate Duty" Classification)

(a) General Requirements for design and installation of suspended acoustical ceiling systems are contained in UBC Standard No. 47-18 and in Section 2-4701, Title 24 for hospital buildings and public schools. This IR provides notes and details which represent typical methods of complying with these regulations and which are acceptable to the Office of the State Architect (OSA/SSS). Notes and details must be shown on approved contract drawings or specifications. Deferred approvals will not be acceptable. This does not preclude the designer from using other methods of installation if submitted to and approved by OSA/SSS.

(b) Ceiling Notes The following notes will be acceptable in plans and specifications for ceiling systems whose total weight including air conditioning grilles and light fixtures does not exceed four (4) psf. Heavier systems and those supporting lateral loads from partitions will require special design details.

(1) 12 ga. (min.) hanger wires may be used for up to and including 4'-0" x 4'-0" grid spacing along main runners. Splices will not be permitted in any hanger wires unless specifically approved by OSA/SSS.

(2) Provide 12 ga. hanger wires at the ends of all main and cross runners within 8" from the support or within 1/4 of the length of the end tee, whichever is least, for the perimeter of the ceiling area. End connections for runners which are designed and detailed to resist the applied horizontal forces may be used in lieu of the 12 ga. hanger wires subject to OSA/SSS review and approval.

(3) Provide trapeze or other supplementary support members at obstructions to main hanger spacing. Provide additional hangers, struts or braces as required at all ceiling breaks, soffits or discontinuous areas. Hanger wires that are more than 1 in 6 out of plumb are to have counter-sloping wires.

(4) Ceiling grid members may be attached to not more then 2 adjacent walls. Ceiling grid members should be at least 1/2 inch free of other walls. If walls run diagonally to ceiling grid system runners, one end of main and cross runners should be free at a minimum of 1/2 inch clear of wall.

(5) At the perimeter of the ceiling area where main or cross runners are not connected to the adjacent wall, provide interconnections between the runners at the free end to prevent lateral spreading. A metal strut or a 16 ga. wire with a positive mechanical connection to the runner may be used. Where the perpendicular distance from the wall to the first parallel runner is 12" or less, this interlock in not required.

(6) Provide sets of four 12 ga. splayed bracing wires oriented 90 degrees from each other at the following spacing:

(A) For school buildings, place sets of bracing wires at a spacing not more than 12 feet by 12 feet on center.

(B) For hospital buildings, place sets of gracing wires not more the 8 feet by 12 feet on center.

(C) Provide bracing wires at locations not more than 1/2 the spacings given in (A) and (B) above from each perimeter wall and at the edge of vertical ceiling offsets for both school and hospital buildings.

The slope of these wires should not exceed 45 degrees from the plane of the ceiling and should be taut without causing the ceiling lift. Splices in bracing wires are not to be permitted without special OSA/SSS approval.

(7) Fasten hanger wires with not less than 3 tight turns. Fasten bracing wires with 4 tight turns. Make all tight turns within a distance of 1-1/2 inches. Hanger or bracing wire anchors to the structure should be installed in such a manner that the direction of the wire aligns as closely as possible with the direction of the forces acting on the wire.

(8) Separate all ceiling hanging and bracing wires at least 6 inches from all unbraced ducts, pipes, conduit, etc. It is acceptable to attach lightweight items, such as single electrical conduit not exceeding 3/4" nominal diameter, to hanger wires using connectors acceptable to OSA/SSS.

(9) Attach all light fixtures to the ceiling grid runners to resist a horizontal force equal to the weight of the fixtures.

(10) Flush or recessed light fixtures and air terminals or services weighing less than 56 pounds may be supported directly on the runners of a heavy duty grid system but, in addition, they must have a minimum of two 12 ga. slack safety wires attached to the fixtures at diagonal corners and anchored to the structure above. All 4 ft. x 4 ft. light fixtures must have slack safety wires at each corner.

All flush or recessed light fixtures and air terminals or services weighing 56 pounds of more must be independently supported by not less than 4 taut 12 ga. wires each attached to the fixture and to the structure above regardless of the type of ceiling grid system used.

The 4 taut 12 ga. wires including their attachment to the structure above must be capable of supporting 4 times the weight of the unit.

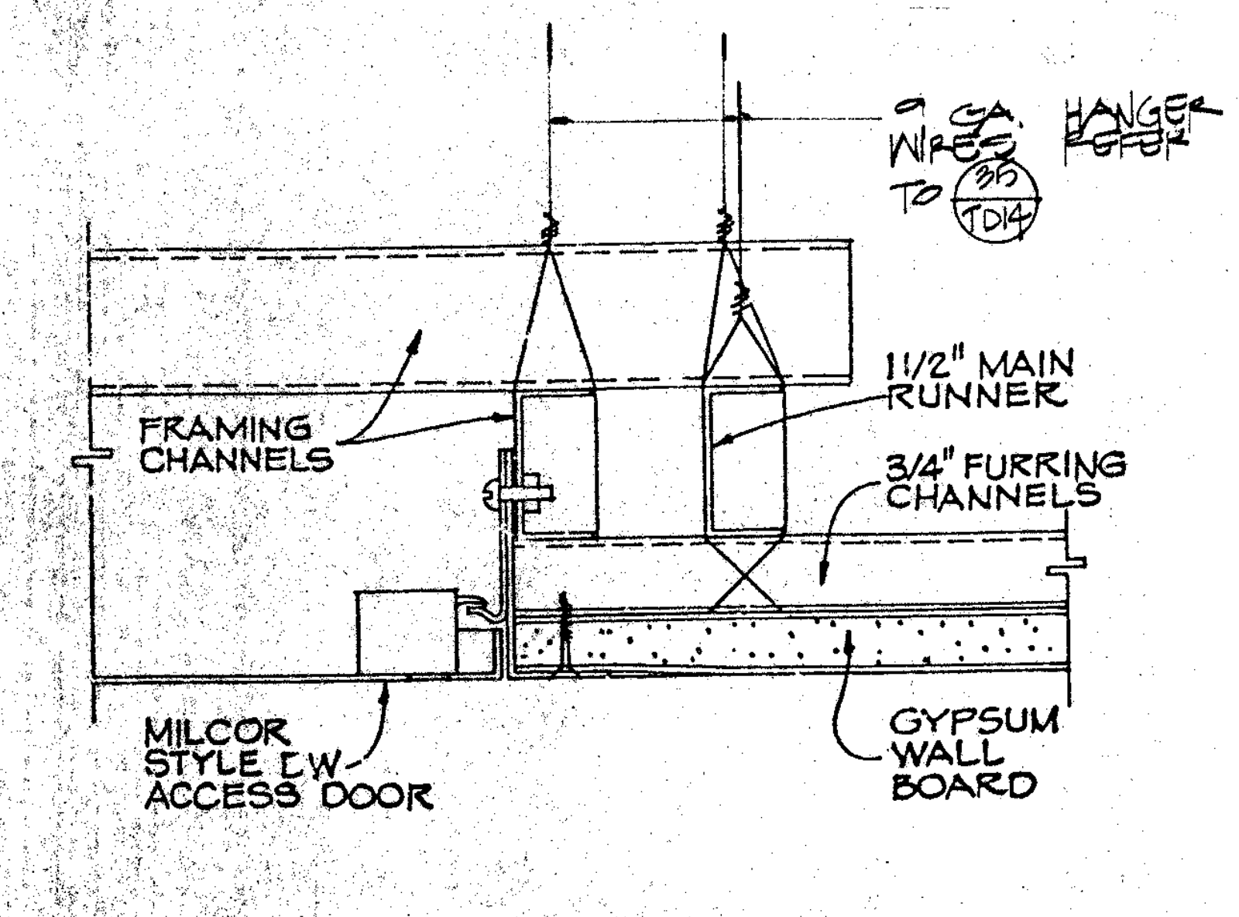
(11) All fixtures and air terminals or services supported on intermediate duty grid systems must be independently supported by not less than 4 taut 12 ga. wires each attached to the fixture or terminal and to the structure above.

(12) Support surface mounted light fixtures by at least two positive devices which surround the ceiling runner and which are each supported from the structure above by 12 ga. wire. Spring clips or clamps that connect only to the runner are not acceptable.

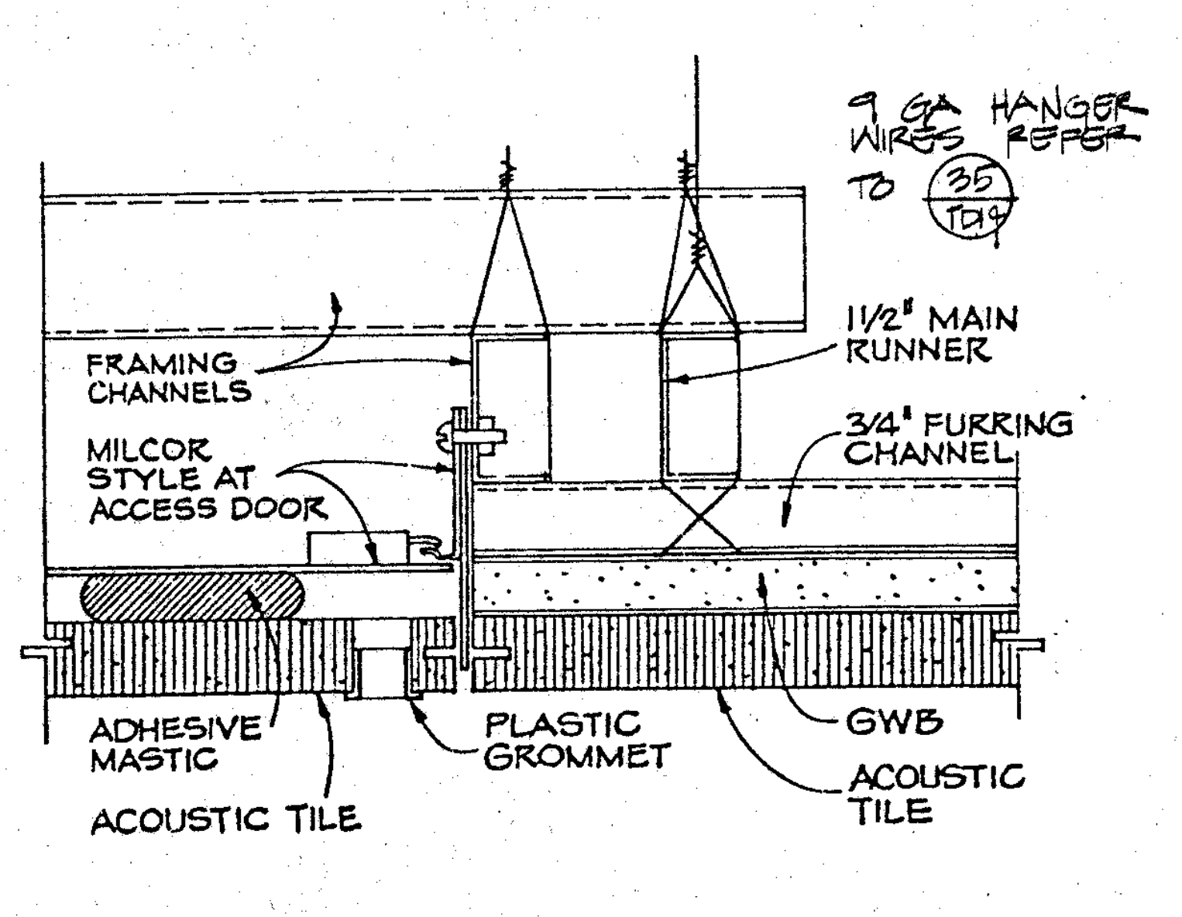
Provide additional supports when light fixtures are 8 feet or longer.

(13) Support pendant mounted light fixtures directly from the structure above with hanger wires or cables passing through each pendant hanger and capable of supporting 4 times the weight of the fixture. (See also Note 9, paragraph (b)). Special details are necessary for this condition at the ceiling grid.

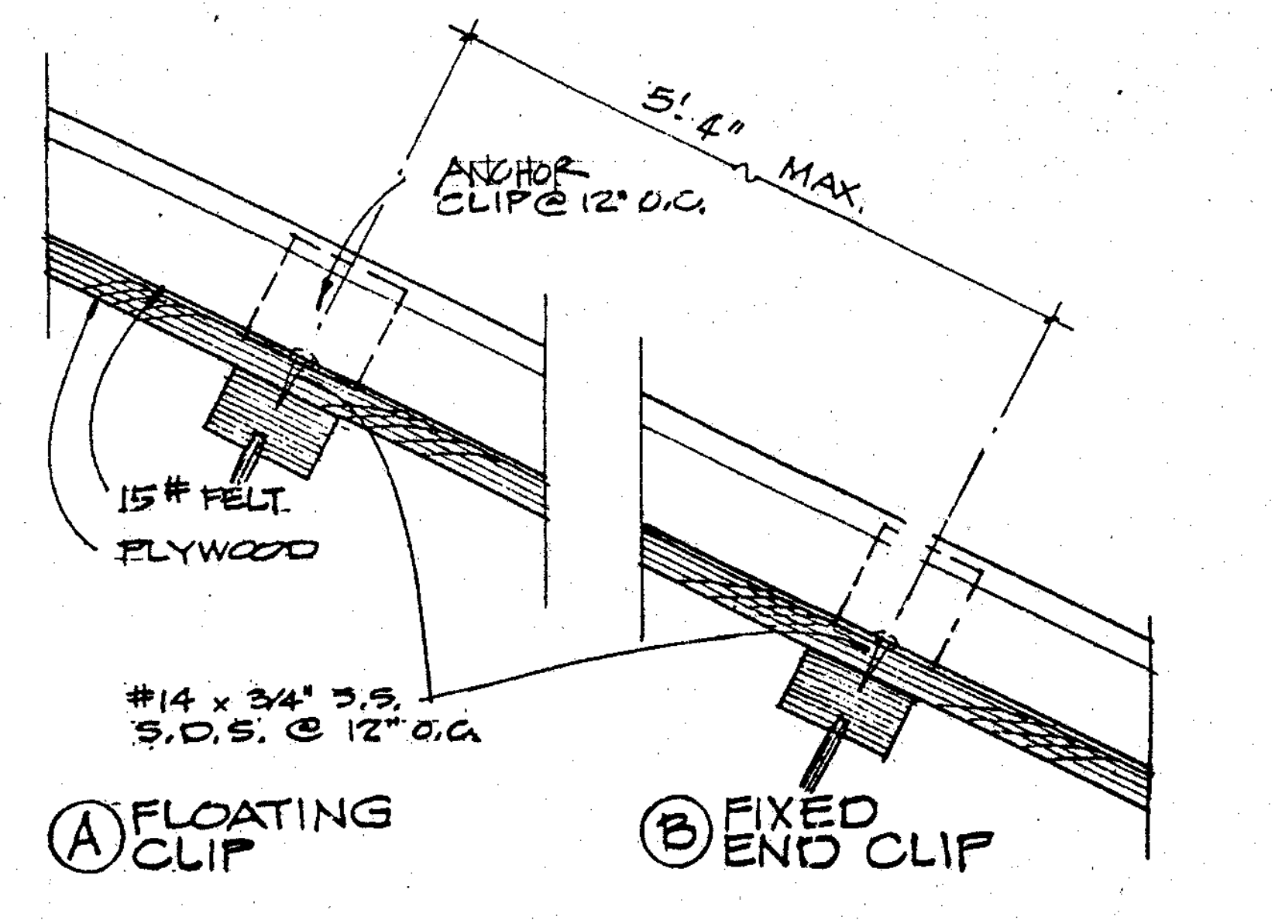
LAY-IN CLG. REQUIREMENTS NTS **18**


9 GA. HANGER WIRES REFER TO 35/TD14
1 1/2" MAIN RUNNER
FRAMING CHANNELS
3/4" FURRING CHANNELS
MILCOR STYLE LW ACCESS DOOR
GYPSUM WALL BOARD

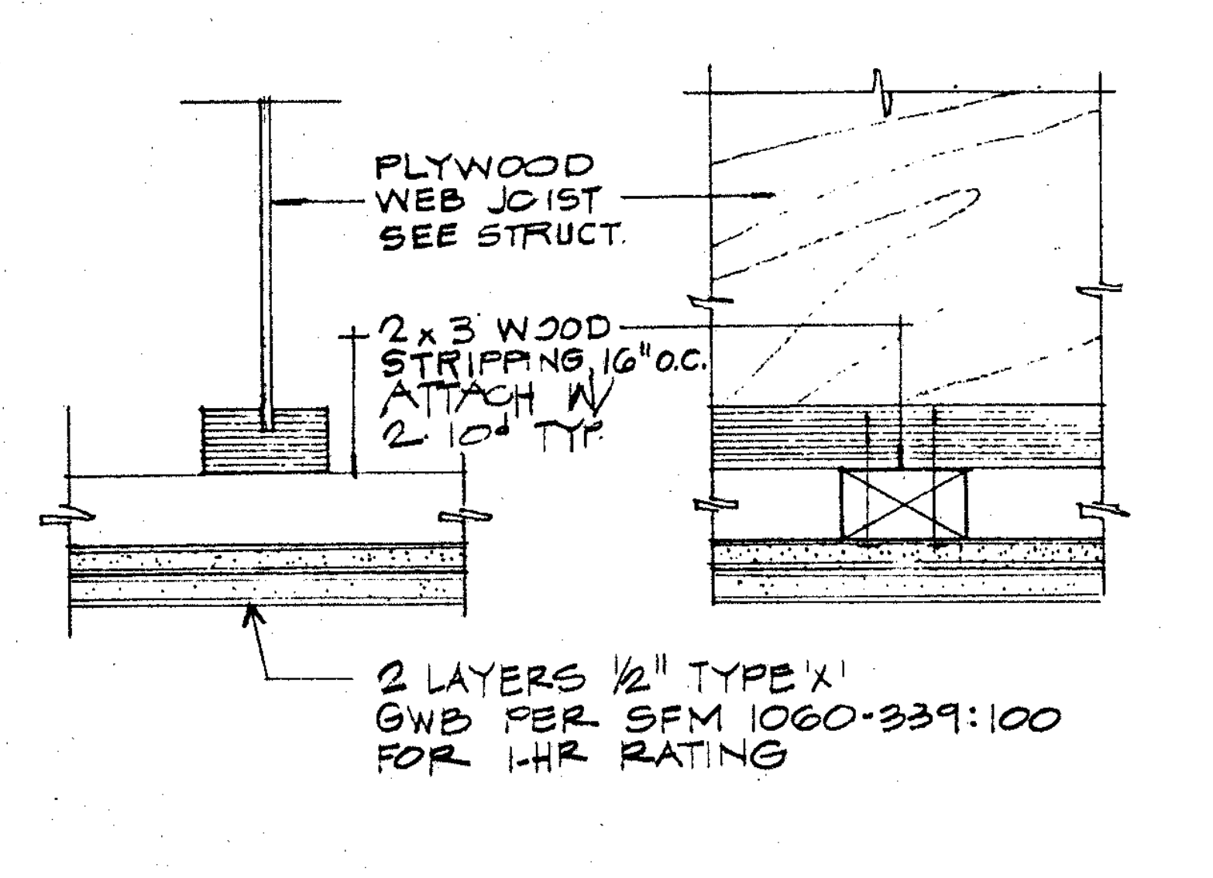
ACCESS PANEL @ GWB — **7**


9 GA HANGER WIRES REFER TO 35/TD14
1 1/2" MAIN RUNNER
FRAMING CHANNELS
MILCOR STYLE AT ACCESS DOOR
3/4" FURRING CHANNEL
ADHESIVE MASTIC
ACOUSTIC TILE
PLASTIC GROMMET
GWB
ACOUSTIC TILE

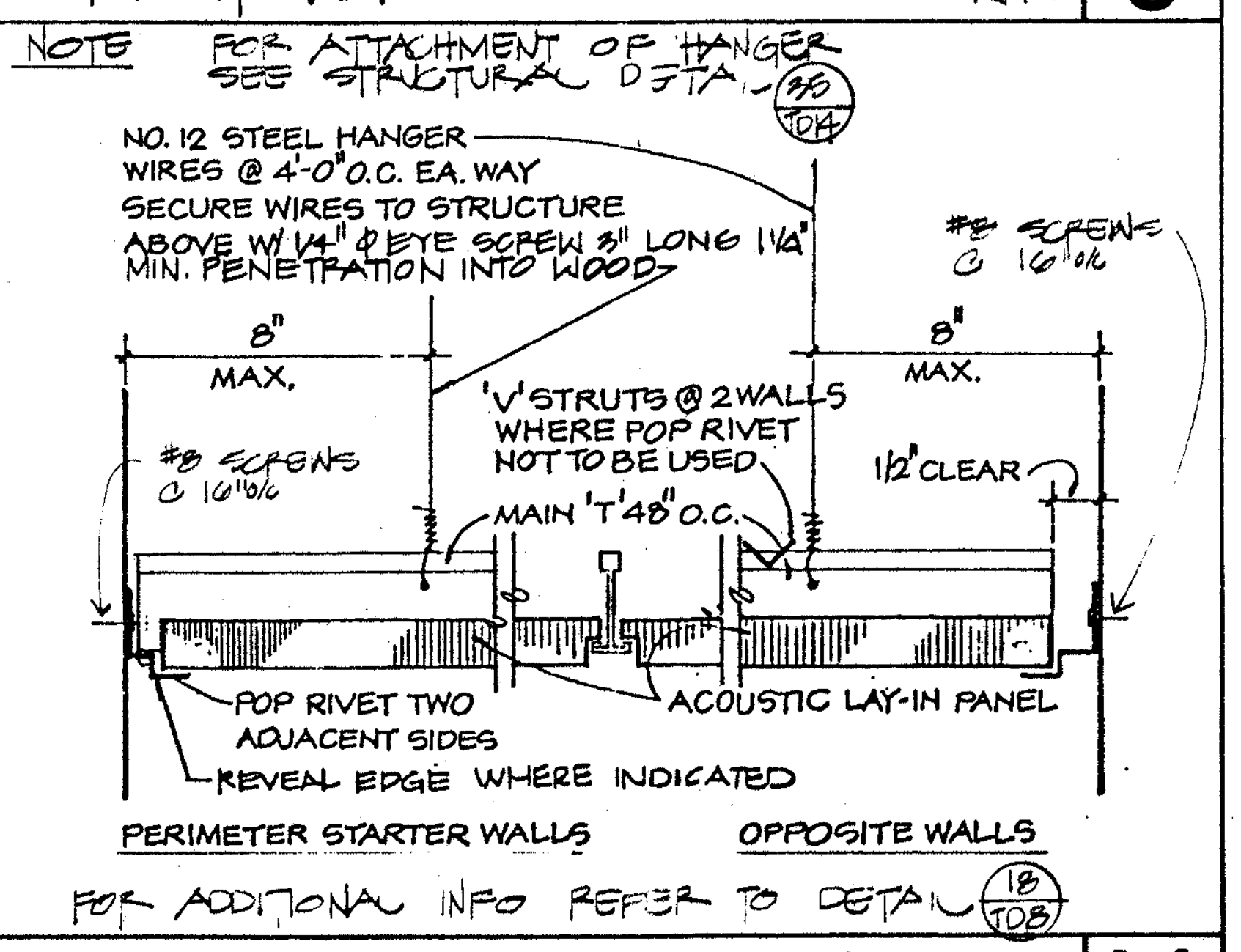
ACCESS PANEL @ ACT — **8**


5'-4" MAX.
ANCHOR CLIP @ 12" O.C.
15# FELT.
PLYWOOD
#14 x 3/4" S.S. S.D.S. @ 12" O.C.
A FLOATING CLIP
B FIXED END CLIP

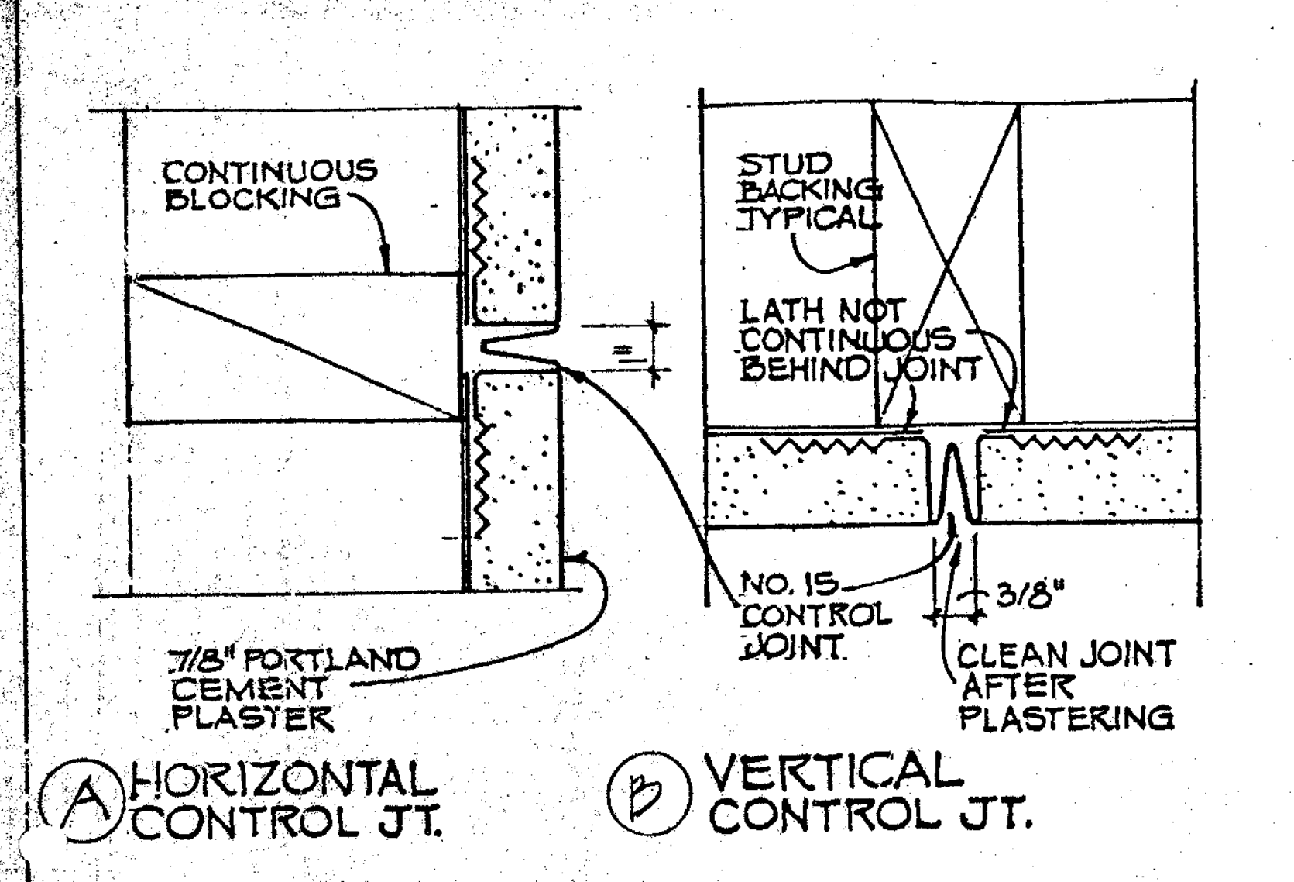
MTL. ROOF'G. CLIP @ SHEATH'G — **9**


PLYWOOD WEB JOIST SEE STRUCT.
2 x 3 WOOD STRIPPING 16" O.C. ATTACH W/ 2 10d TYP.
2 LAYERS 1/2" TYPE 'X' GWB PER SFM 1060-339:100 FOR 1-HR RATING

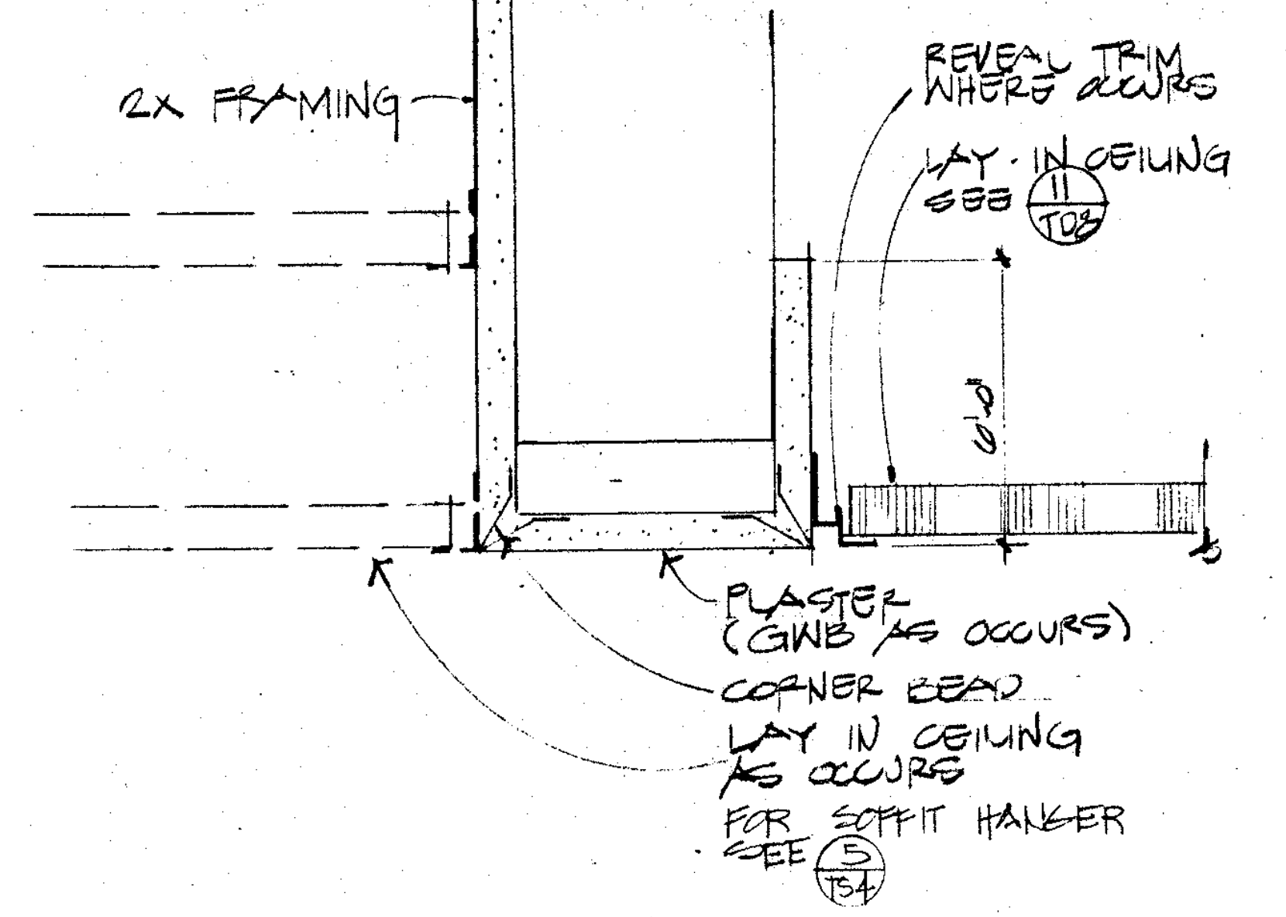
GWB CLG. ON STRIPPING 3" **10**


NOTE FOR ATTACHMENT OF HANGER SEE STRUCTURAL DETAIL 35/TD14
NO. 12 STEEL HANGER WIRES @ 4'-0" O.C. EA. WAY SECURE WIRES TO STRUCTURE ABOVE W/ 1/4" ϕ EYE SCREW 3" LONG 1 1/4" MIN. PENETRATION INTO WOOD
#8 SCREWS @ 16" o/c
8" MAX.
'V' STRUTS @ 2 WALLS WHERE POP RIVET NOT TO BE USED
MAIN 'T' 48" O.C.
1/2" CLEAR
POP RIVET TWO ADJACENT SIDES
ACOUSTIC LAY-IN PANEL
REVEAL EDGE WHERE INDICATED
PERIMETER STARTER WALLS
OPPOSITE WALLS
FOR ADDITIONAL INFO REFER TO DETAIL 18/TD8

LAY-IN CLG. REQUIREMENTS NTS **11**

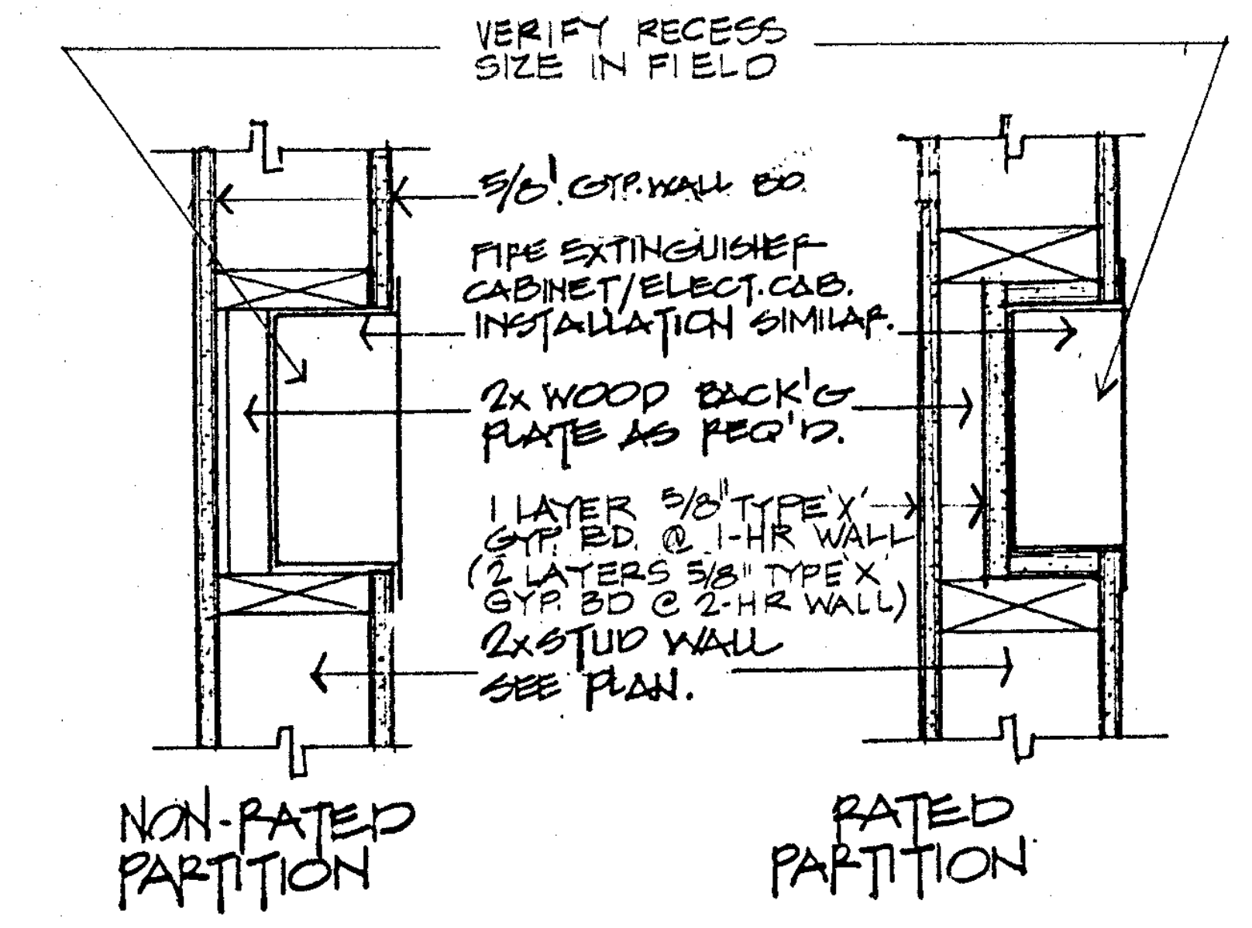

CONTINUOUS BLOCKING
STUD BACKING TYPICAL
LATH NOT CONTINUOUS BEHIND JOINT
NO. 15 CONTROL JOINT
3/8"
CLEAN JOINT AFTER PLASTERING
7/8" PORTLAND CEMENT PLASTER
A HORIZONTAL CONTROL JT.
B VERTICAL CONTROL JT.

CONTROL JOINTS 3" **13**

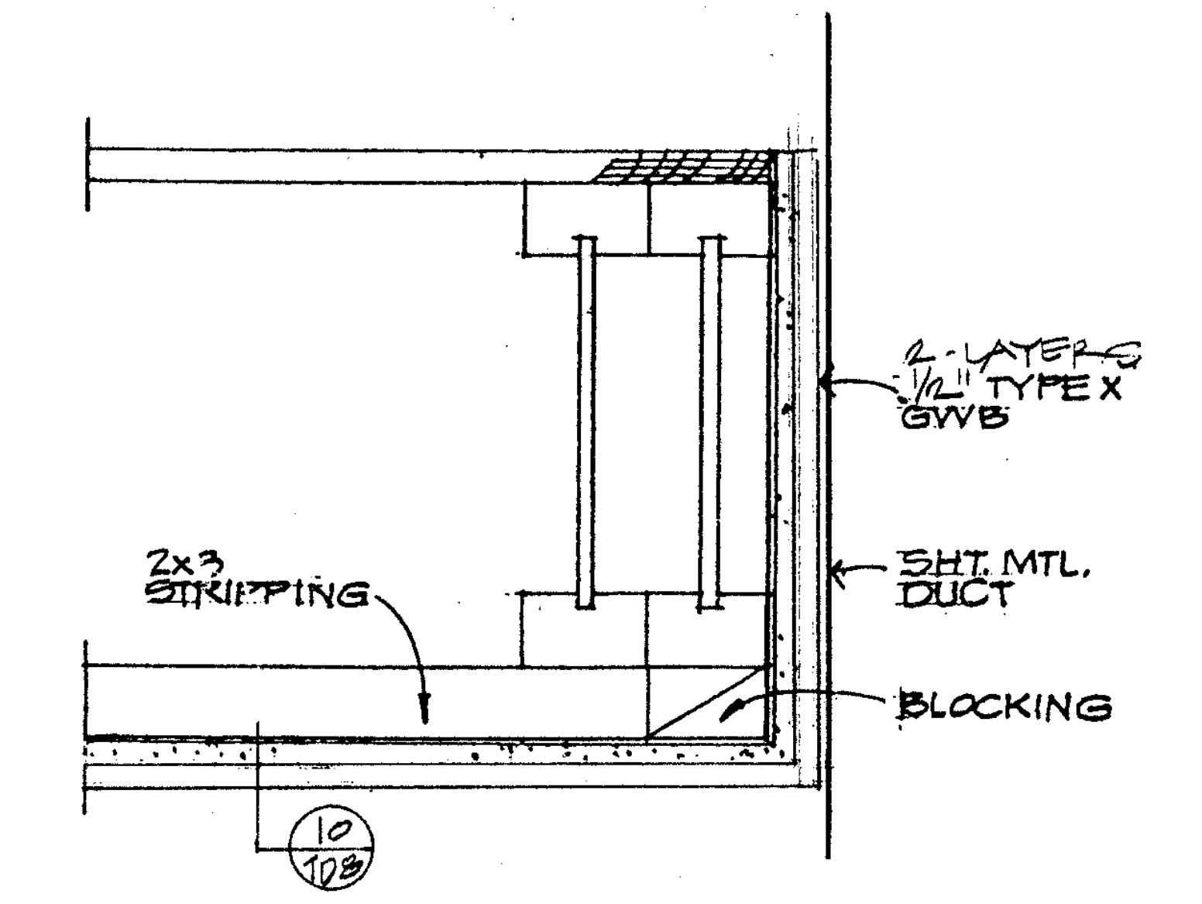

2x FRAMING
REVEAL TRIM WHERE OCCURS
LAY-IN CEILING SEE 11/TD8
PLASTER (GWB AS OCCURS)
CORNER BEAD
LAY IN CEILING AS OCCURS
FOR SOFFIT HANGER SEE 5/TS4

CEILING DETAIL 3" **14**

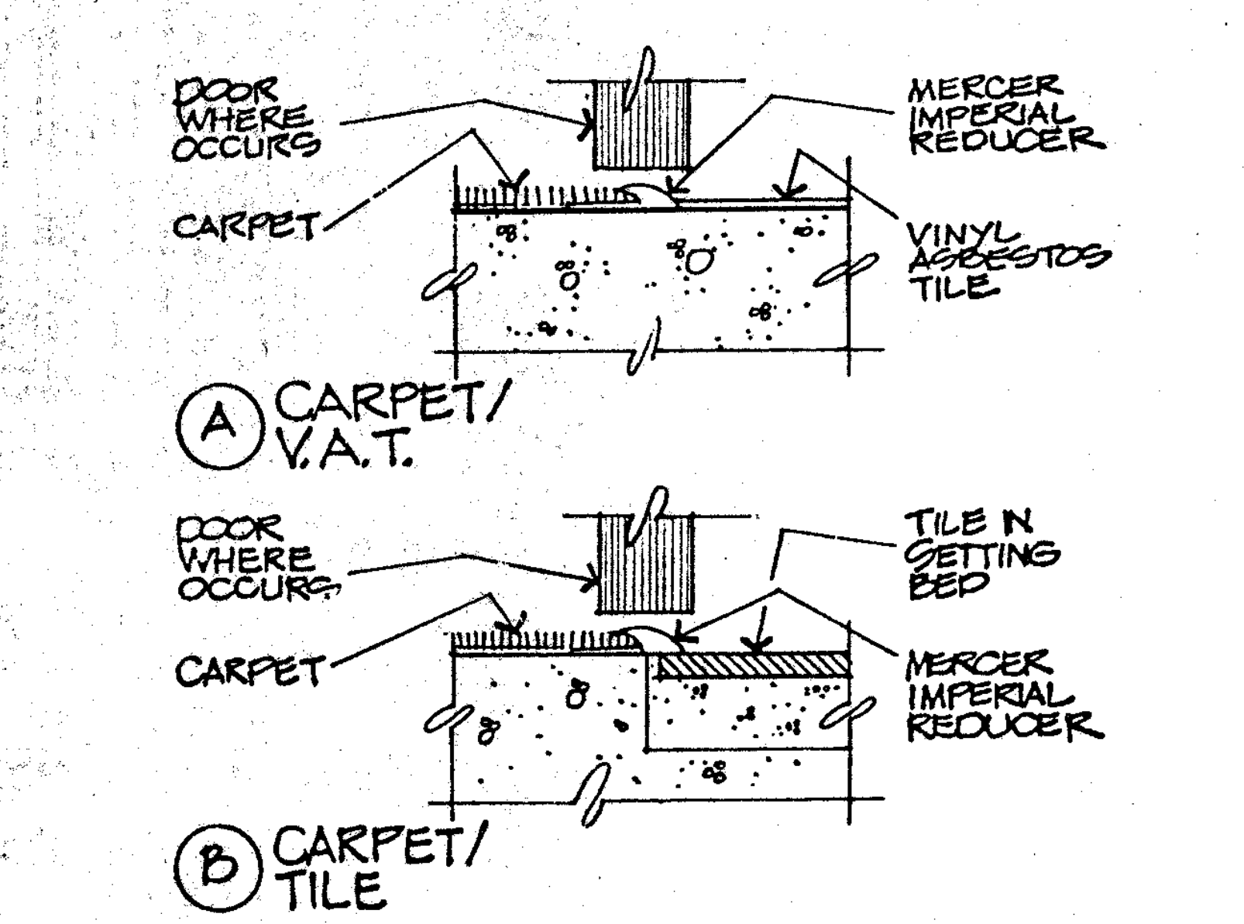
3" **15**


VERIFY RECESS SIZE IN FIELD
5/8" GYP. WALL BD.
FIRE EXTINGUISHER CABINET/ELECT. CAB. INSTALLATION SIMILAR.
2x WOOD BACK'G PLATE AS REQ'D.
1 LAYER 5/8" TYPE 'X' GYP. BD. @ 1-HR WALL (2 LAYERS 5/8" TYPE X GYP. BD @ 2-HR WALL)
2x STUD WALL SEE PLAN.
NON-RATED PARTITION
RATED PARTITION

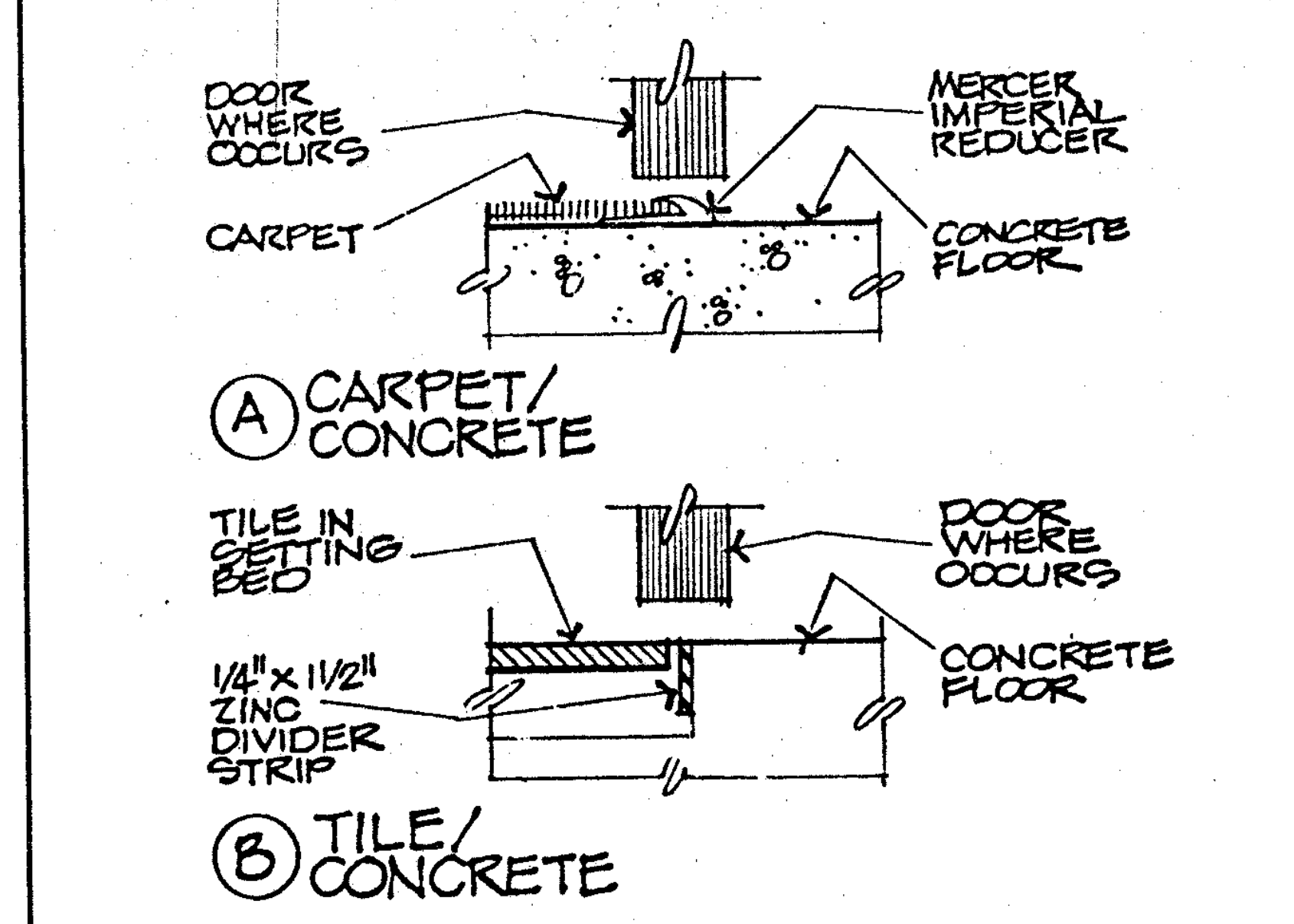
RECESS FOR FIRE EXTINGUISHER AND/OR ELECTRIC CABINET NTS **16**


2-LAYERS 1/2" TYPE X GWB
2x3 STRIPPING
SHT. MTL. DUCT
BLOCKING
10/TD8

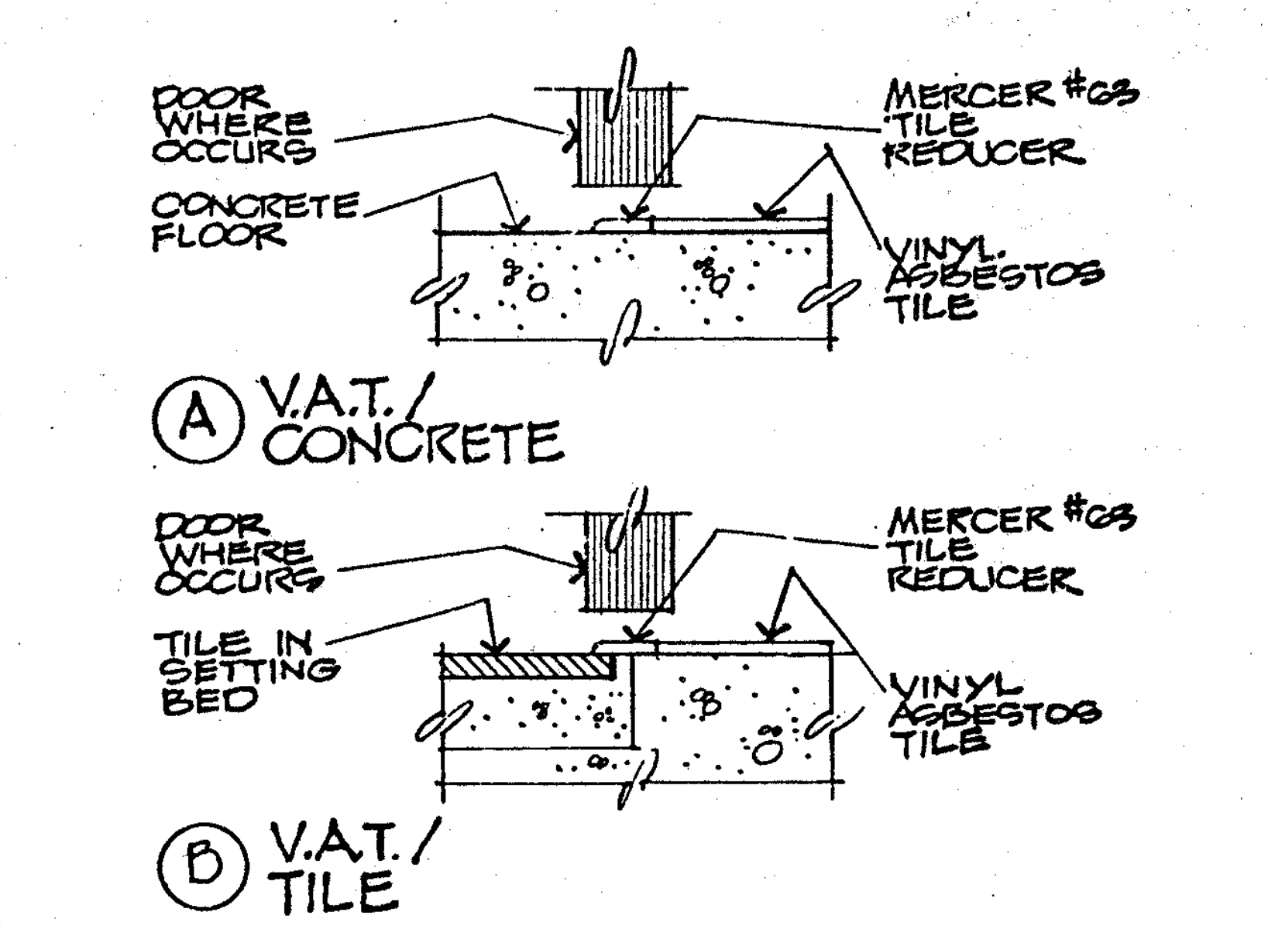
DUCT THRU ROOF 3" **17**


DOOR WHERE OCCURS
MERCER IMPERIAL REDUCER
CARPET
VINYL ASBESTOS TILE
A CARPET/V.A.T.
DOOR WHERE OCCURS
TILE IN SETTING BED
CARPET
MERCER IMPERIAL REDUCER
B CARPET/TILE

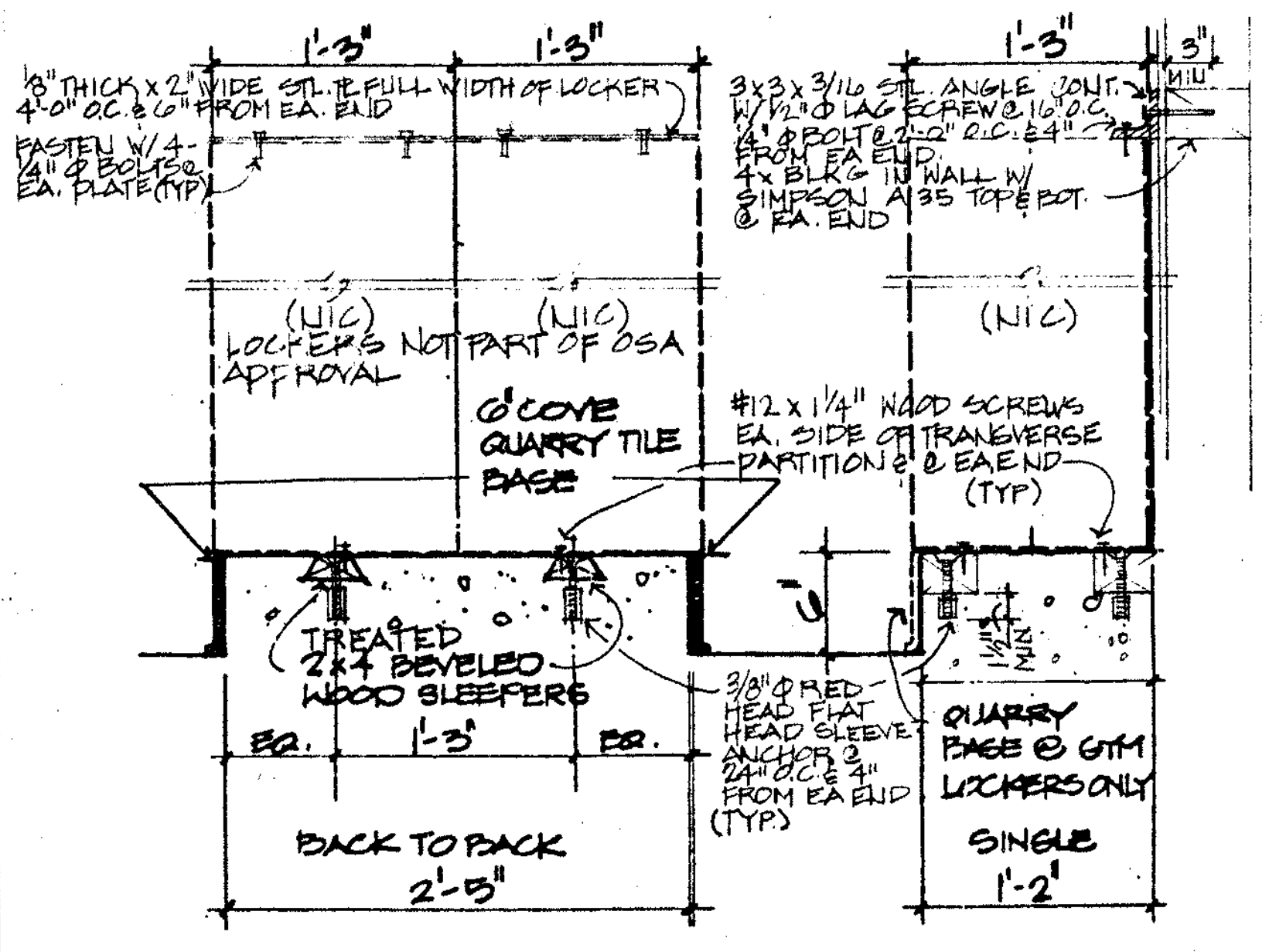
FLOOR FIN. TRANSITION NTS **19**


DOOR WHERE OCCURS
MERCER IMPERIAL REDUCER
CARPET
CONCRETE FLOOR
A CARPET/CONCRETE
TILE IN SETTING BED
DOOR WHERE OCCURS
1/4" x 1 1/2" ZINC DIVIDER STRIP
CONCRETE FLOOR
B TILE/CONCRETE

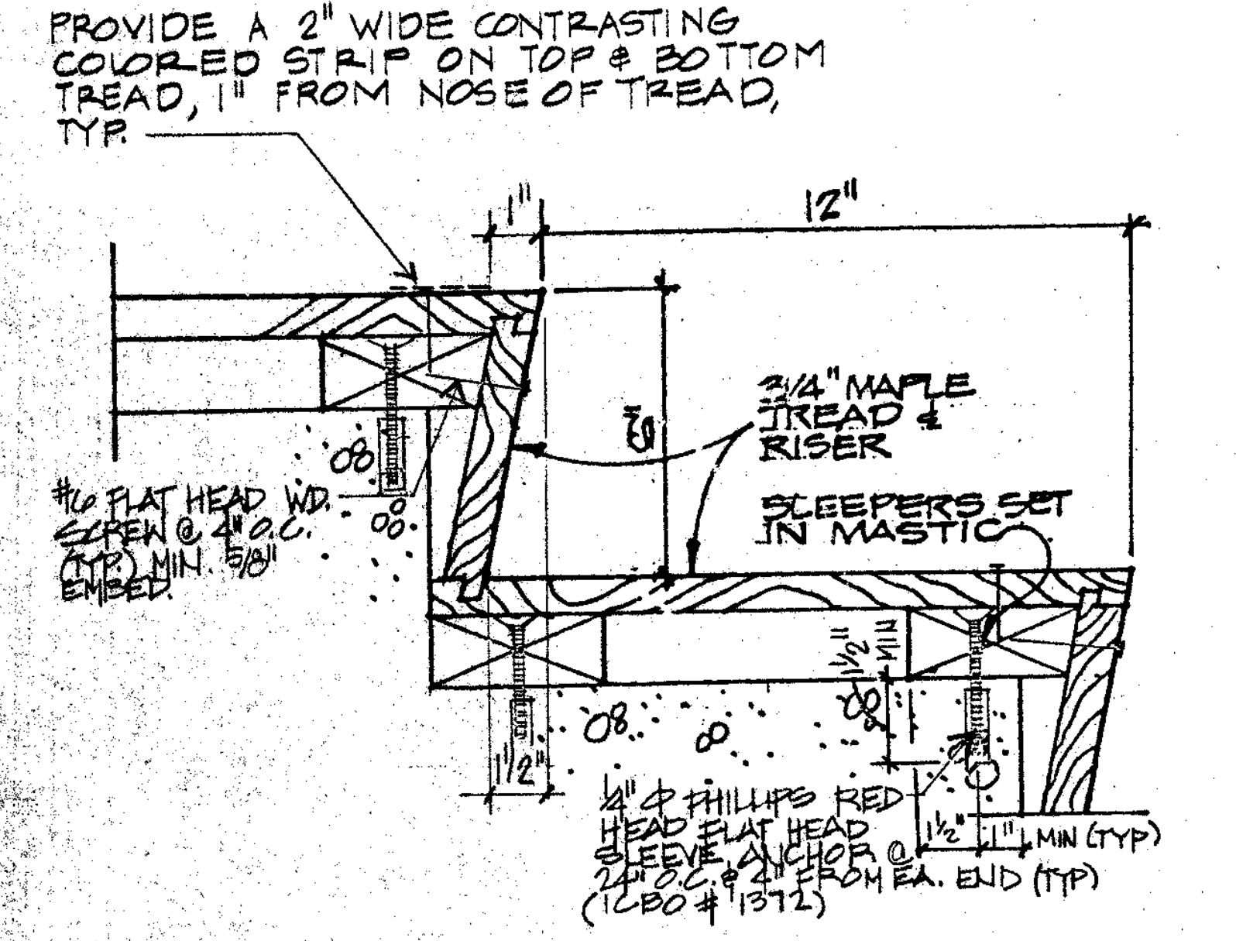
FLOOR FIN. TRANSITION NTS **20**


DOOR WHERE OCCURS
MERCER #63 TILE REDUCER
CONCRETE FLOOR
VINYL ASBESTOS TILE
A V.A.T./CONCRETE
DOOR WHERE OCCURS
MERCER #63 TILE REDUCER
TILE IN SETTING BED
VINYL ASBESTOS TILE
B V.A.T./TILE

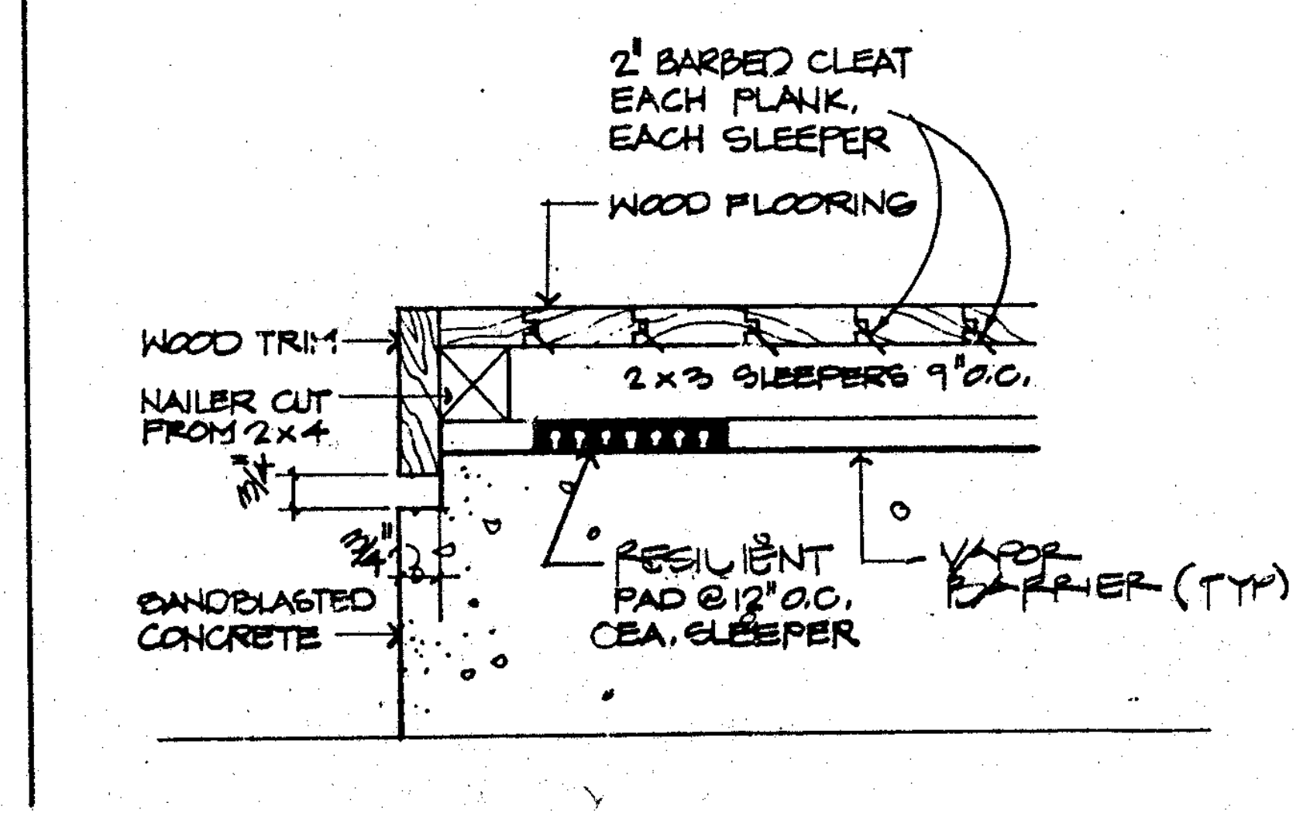
FLOOR FIN. TRANSITION NTS **21**


1'-3"
1'-3"
1'-3"
3"
1/8" THICK x 2" WIDE STL. PL. FULL WIDTH OF LOCKER 4'-0" O.C. & 6" FROM EA. END
FASTEN W/ 4-1/4" ϕ BOLTS @ EA. PLATE (TYP)
3x3x3/16 STL. ANGLE CONT. W/ 1/2" ϕ LAG SCREW @ 16" O.C. 1/4" ϕ BOLT @ 2'-0" O.C. & 4" FROM EA END. 4x BLKG IN WALL W/ SIMPSON A35 TOP & BOT. @ EA. END
(NIC)
(NIC)
(NIC)
LOCKERS NOT PART OF OSA APPROVAL
6" COVE QUARRY TILE BASE
#12 x 1 1/4" WOOD SCREWS EA. SIDE OF TRANSVERSE PARTITION 2 @ EA END (TYP)
TREATED 2x4 BEVELED WOOD SLEEPERS
3/8" ϕ RED HEAD FLAT HEAD SLEEVE ANCHOR @ 24" O.C. & 4" FROM EA END (TYP)
QUARRY BASE @ GYM LOCKERS ONLY
EQ.
1'-3"
EQ.
BACK TO BACK 2'-5"
SINGLE 1'-2"

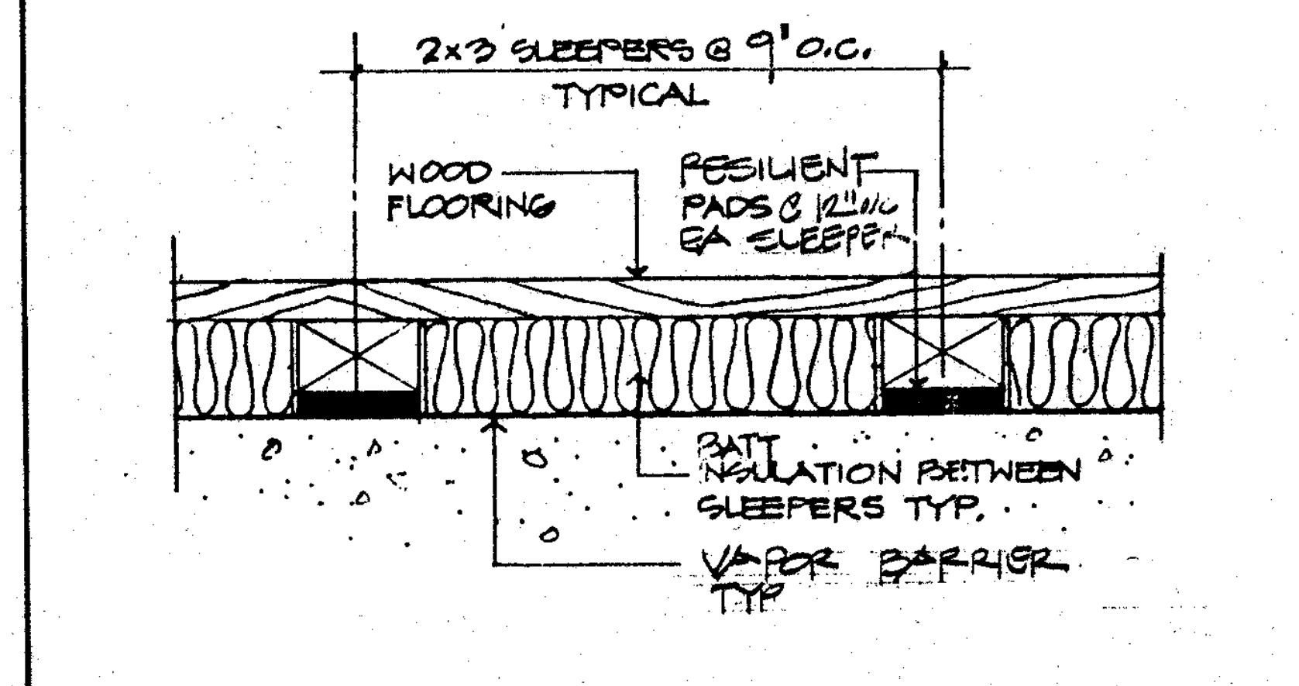
CONC. CURB @ LOCKERS 1" **22**


PROVIDE A 2" WIDE CONTRASTING COLORED STRIP ON TOP & BOTTOM TREAD, 1" FROM NOSE OF TREAD, TYP.
1"
12"
3/4" MAPLE TREAD & RISER
SLEEPERS SET IN MASTIC
#6 FLAT HEAD WD. SCREW @ 4" O.C. (TYP) MIN. 5/8" EMBED.
1 1/2"
1/4" ϕ PHILLIPS RED HEAD FLAT HEAD SLEEVE ANCHOR @ 24" O.C. & 4" FROM EA. END (TYP) (ICBO #1372)
1 1/2"
1" MIN (TYP)

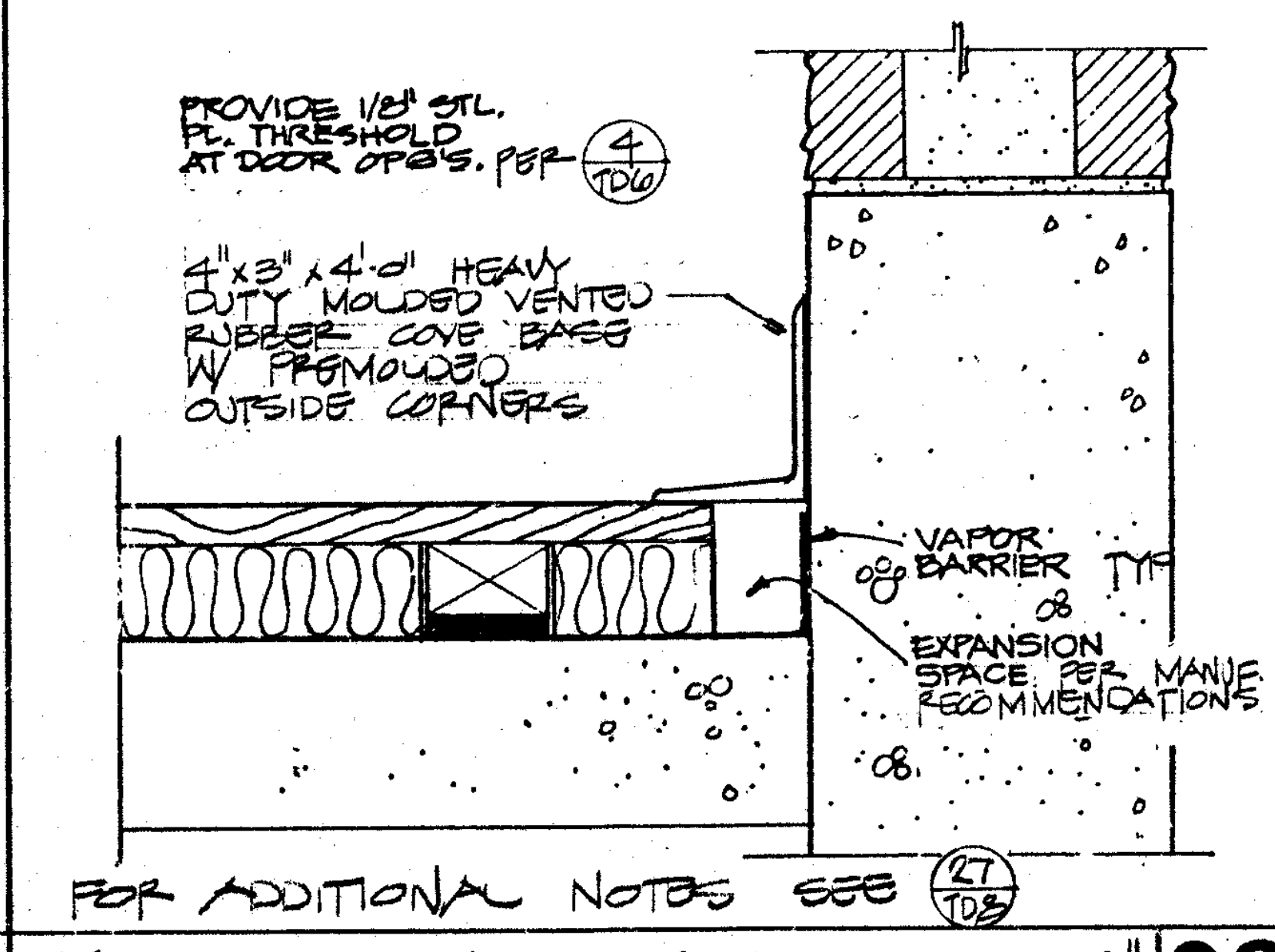
WOOD STAIRS 3" **25**


2" BARBED CLEAT EACH PLANK, EACH SLEEPER
WOOD FLOORING
WOOD TRIM
NAILER CUT FROM 2x4
2x3 SLEEPERS 9" O.C.
SANDBLASTED CONCRETE
RESILIENT PAD @ 12" O.C. EA. SLEEPER
VAPOR BARRIER (TYP)

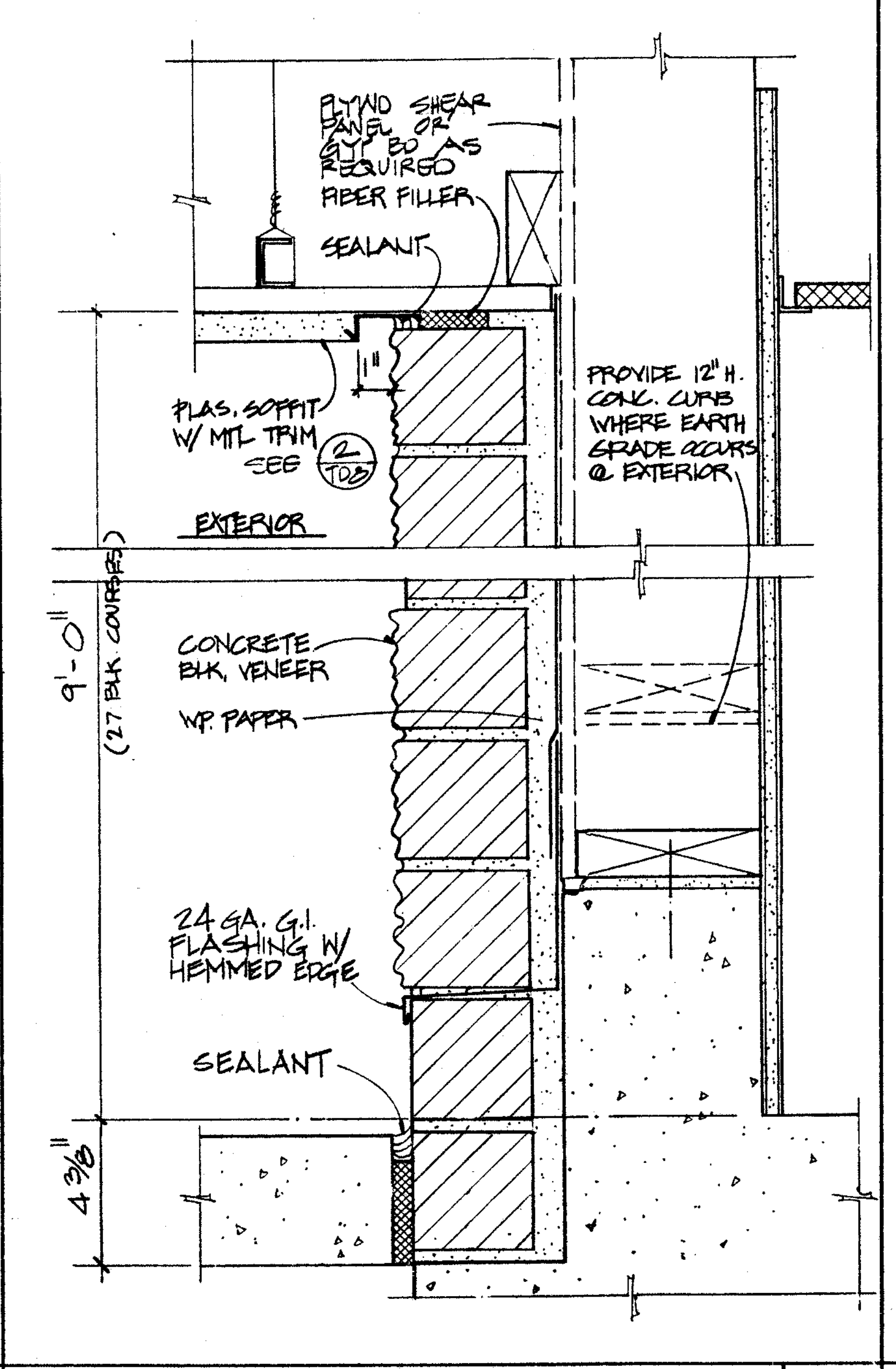
EDGE OF WOOD FLOOR 3" **26**


2x3 SLEEPERS @ 9" O.C. TYPICAL
WOOD FLOORING
RESILIENT PADS @ 12" o/c EA SLEEPER
BATT INSULATION BETWEEN SLEEPERS TYP.
VAPOR BARRIER TYP

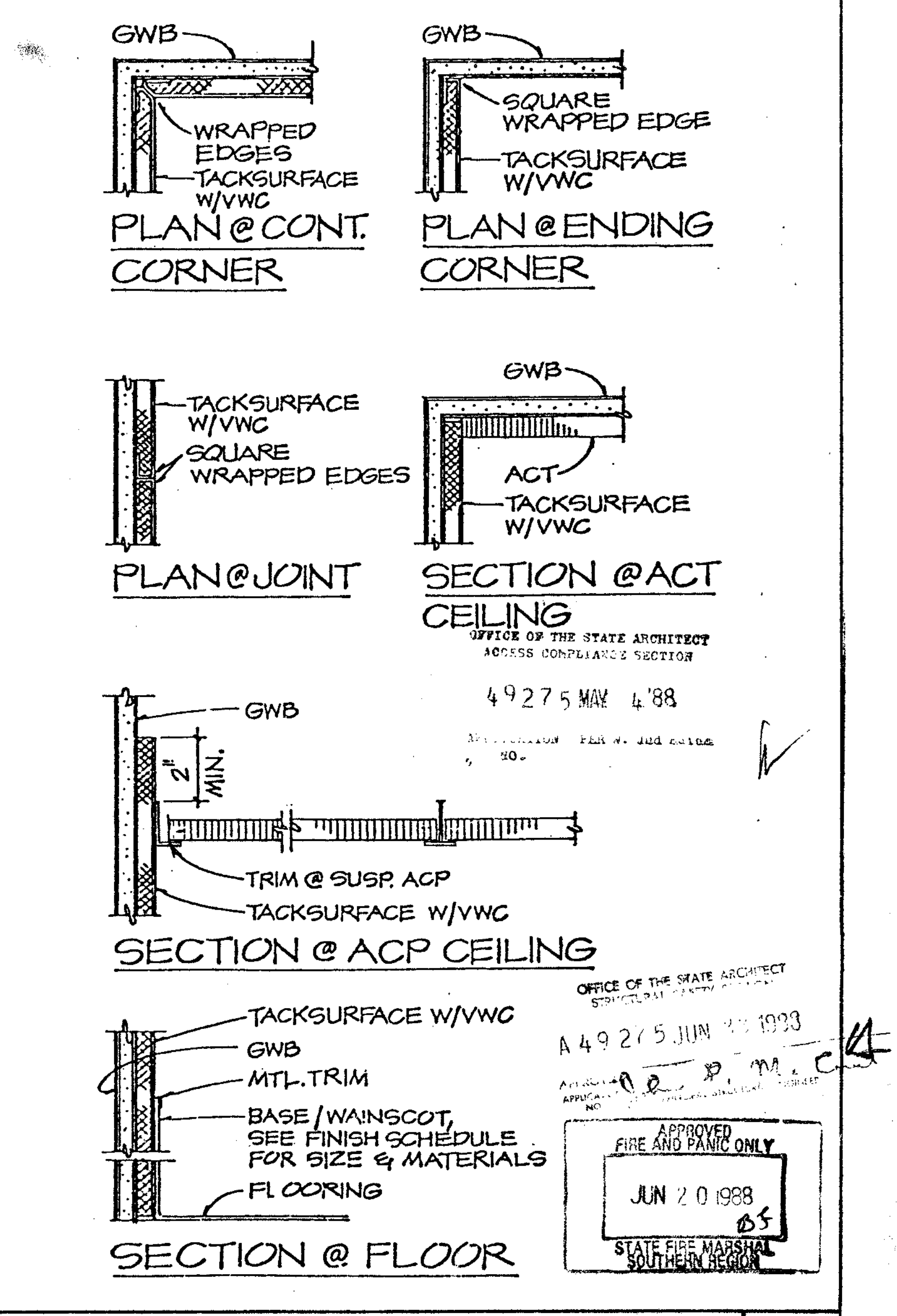
WOOD FLOORING 3" **27**


PROVIDE 1/8" STL. PL. THRESHOLD AT DOOR OPG'S. PER 4/TD6
4"x3"x4'-0" HEAVY DUTY MOLDED VENTED RUBBER COVE BASE W/ PREMOLDED OUTSIDE CORNERS
VAPOR BARRIER TYP
EXPANSION SPACE PER MANUF. RECOMMENDATIONS
FOR ADDITIONAL NOTES SEE 27/TD8

EDGE OF WOOD FLOOR 3" **28**


PLYWD SHEAR PANEL OR GYP BD AS REQUIRED
FIBER FILLER
SEALANT
1"
PLAS. SOFFIT W/ MTL TRIM SEE 2/TD8
EXTERIOR
PROVIDE 12" H. CONC. CURB WHERE EARTH GRADE OCCURS @ EXTERIOR
9'-0" (27 BLK. COURSES)
CONCRETE BLK. VENEER
W.P. PAPER
24 GA. G.I. FLASHING W/ HEMMED EDGE
SEALANT
4 3/8"

HEAD/BASE @ TYP. WALL 3" **29**


GWB
WRAPPED EDGES
TACKSURFACE W/VWC
PLAN @ CONT. CORNER
GWB
SQUARE WRAPPED EDGE
TACKSURFACE W/VWC
PLAN @ ENDING CORNER
TACKSURFACE W/VWC
SQUARE WRAPPED EDGES
PLAN @ JOINT
GWB
ACT
TACKSURFACE W/VWC
SECTION @ ACT CEILING
GWB
2" MIN.
TRIM @ SUSP. ACP
TACKSURFACE W/VWC
SECTION @ ACP CEILING
TACKSURFACE W/VWC
GWB
MTL. TRIM
BASE / WAINSCOT, SEE FINISH SCHEDULE FOR SIZE & MATERIALS
FLOORING
SECTION @ FLOOR

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88

OFFICE OF THE STATE ARCHITECT
A 49275 JUN 1988

APPROVED
FIRE AND PANIC ONLY
JUN 20 1988
STATE FIRE MARSHAL
SOUTHERN REGION

VINYL TACK SURFACE NTS **30**

Drawn By
Checked By
Date MARCH 1988
Commission No. 1.30.02

Revisions

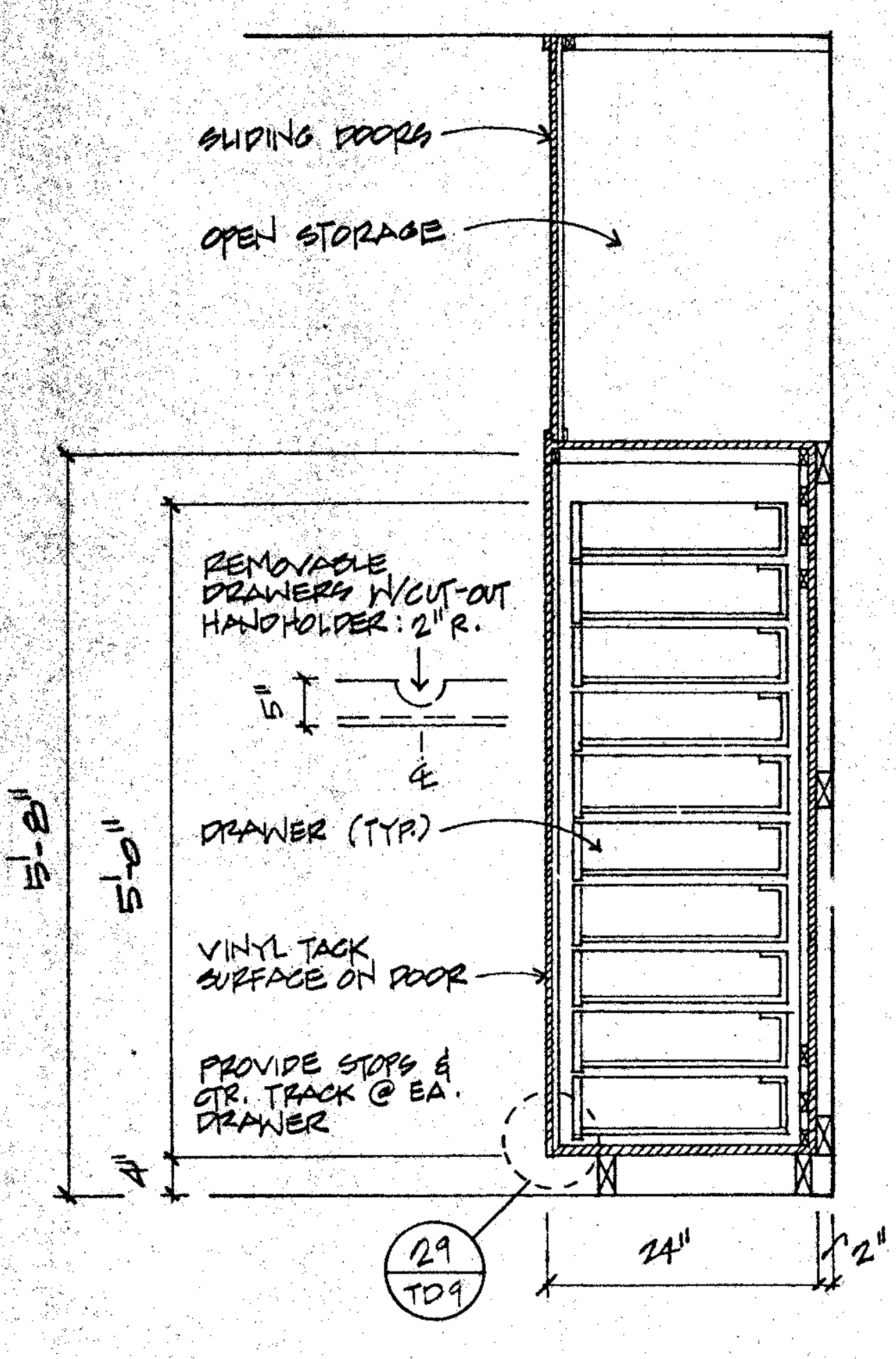
Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664
5751 Palmer Way, Suite C
Carlsbad, CA 92008-1995
619/438-5899

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

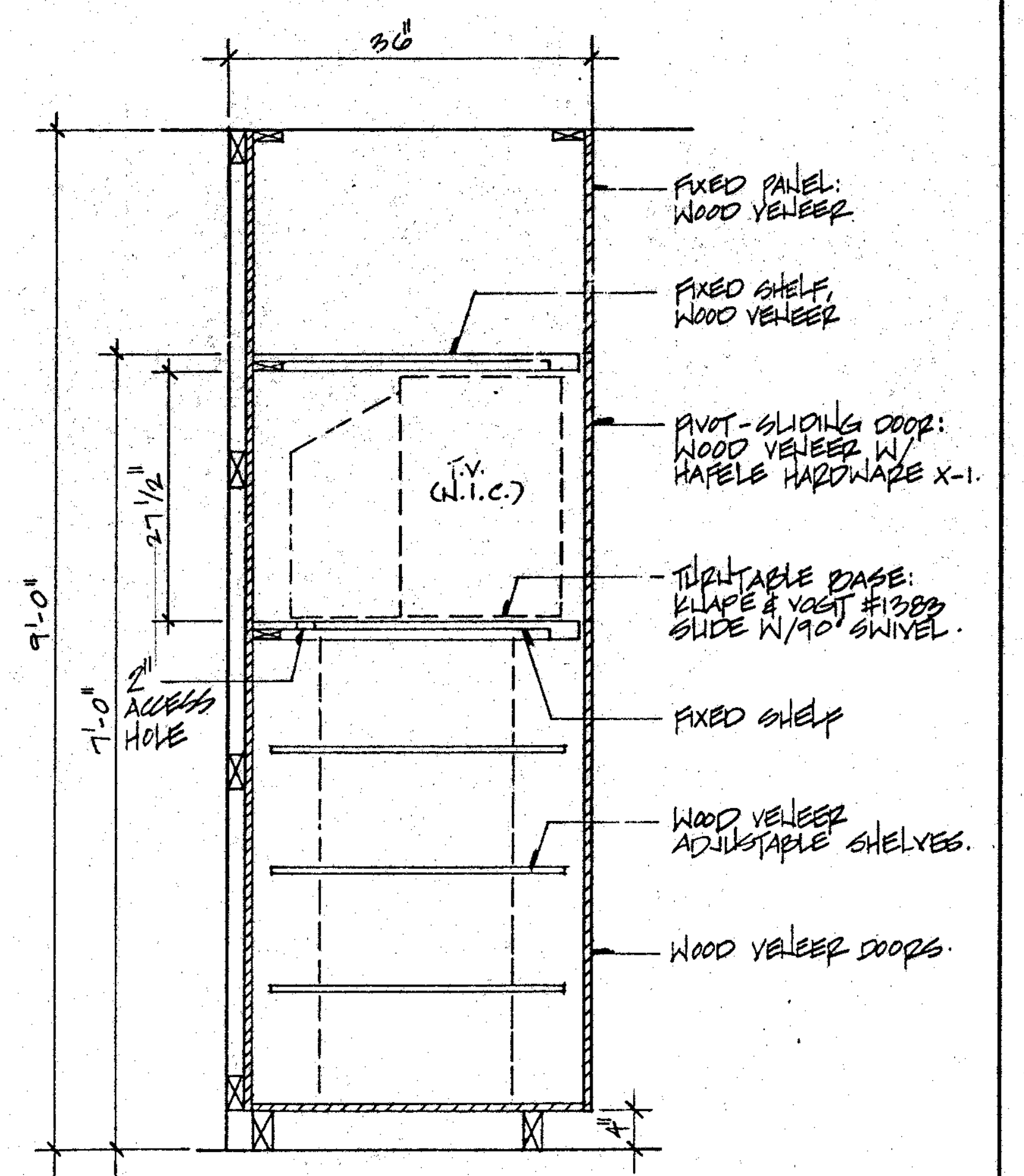
General Details

Sheet Number
TD-8
Of Sheets


SLIDING DOORS
OPEN STORAGE
REMOVABLE DRAWERS W/CUT-OUT HANDHOLDER: 2" R.
5"
℄
DRAWER (TYP.)
VINYL TACK SURFACE ON DOOR
PROVIDE STOPS & CTR. TRACK @ EA. DRAWER
5'-8"
5'-0"
4"
24"
2"
29 / TD9

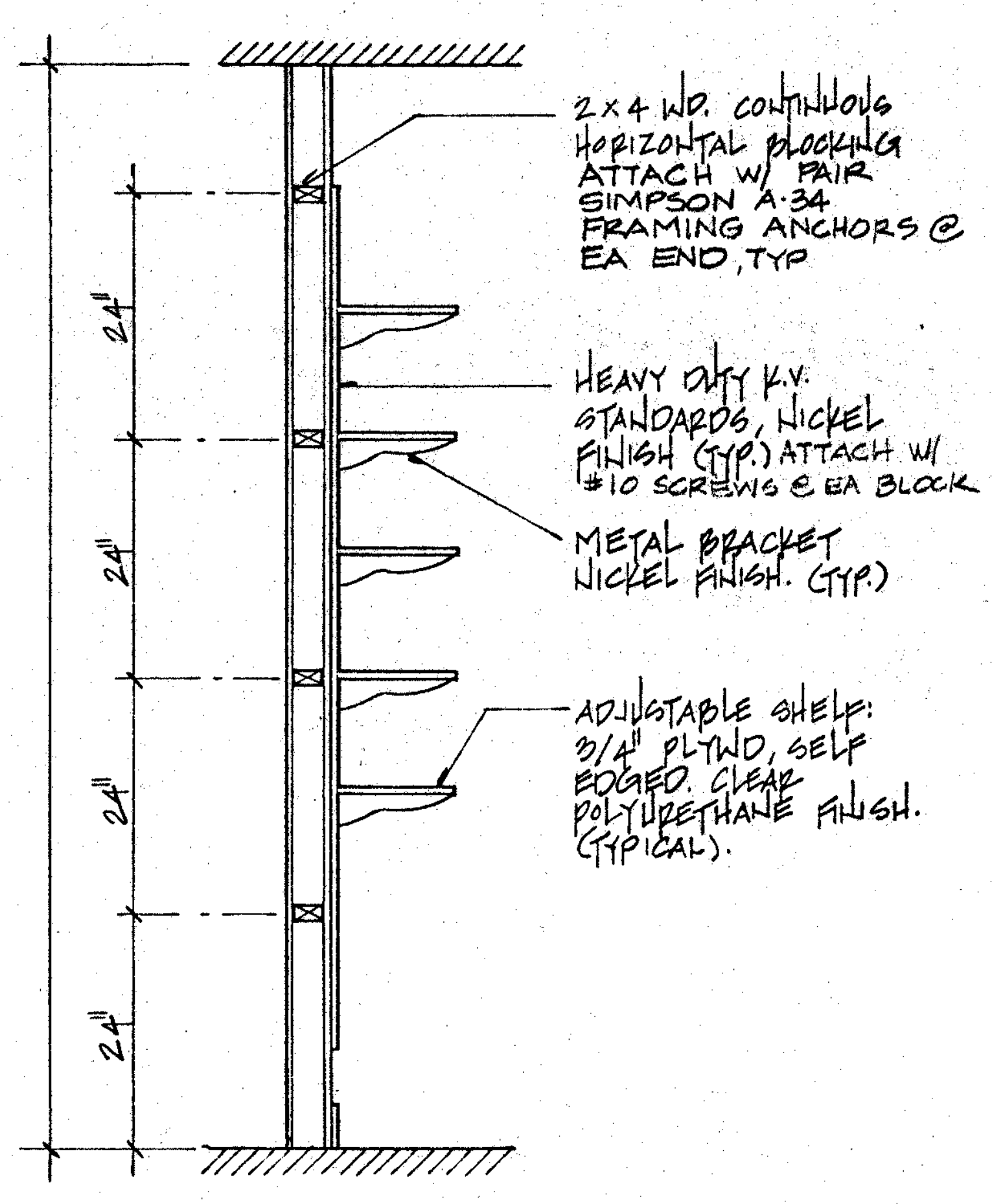
FOR ANCHORAGE SEE 10/–

STUDENT DRAWERS 3/4" **7**

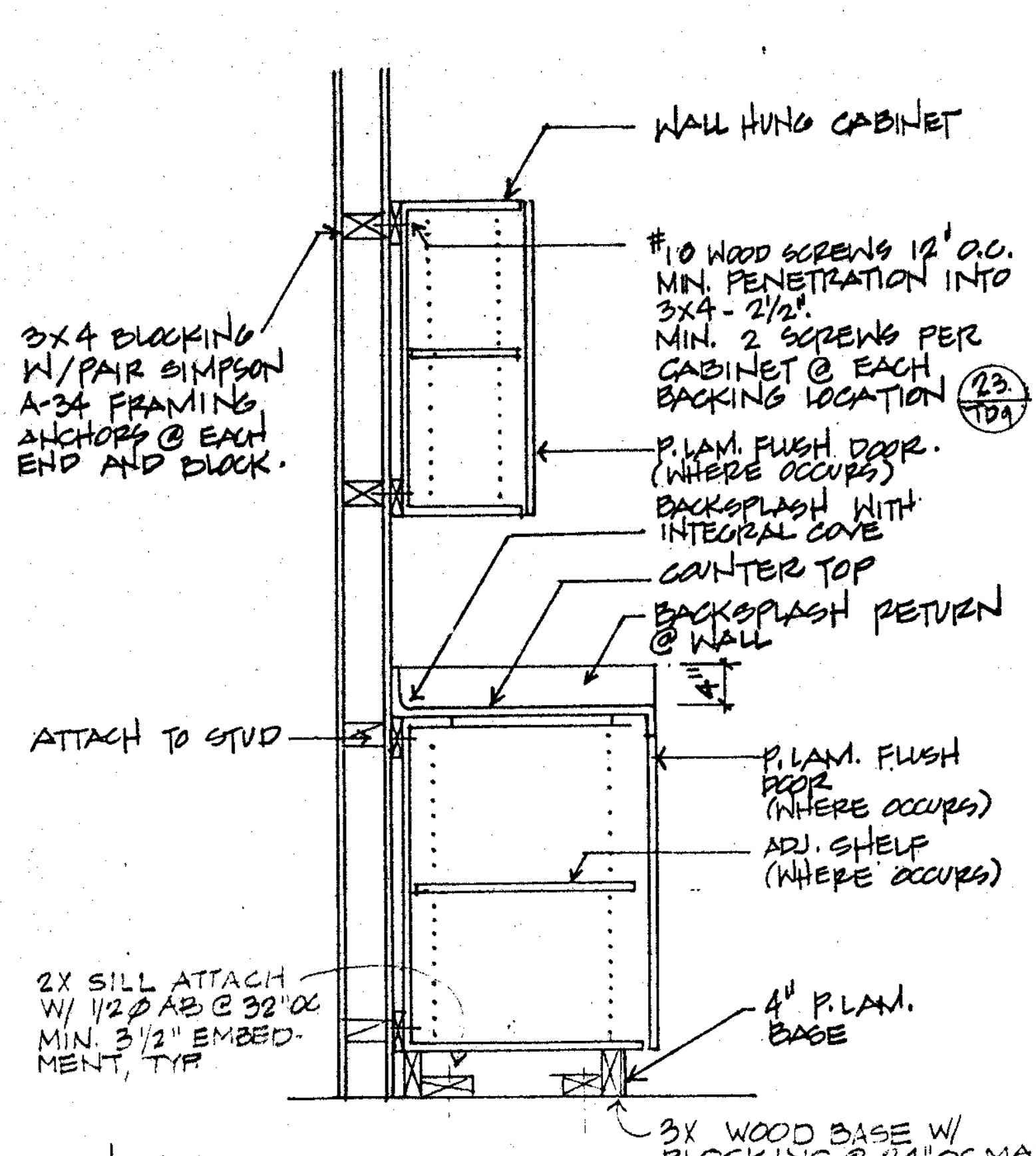

36"
FIXED PANEL: WOOD VENEER
FIXED SHELF, WOOD VENEER
PIVOT-SLIDING DOOR: WOOD VENEER W/ HAFELE HARDWARE X-1.
T.V. (N.I.C.)
TURNTABLE BASE: KNAPE & VOGT #1383 SLIDE W/90° SWIVEL.
2" ACCESS HOLE
FIXED SHELF
WOOD VENEER ADJUSTABLE SHELVES.
WOOD VENEER DOORS.
9'-0"
7'-0"
27 1/2"
4"

FOR ANCHORAGE SEE 10/–

T.V. CABINET 3/4" **8**


2x4 WD. CONTINUOUS HORIZONTAL BLOCKING ATTACH W/ PAIR SIMPSON A-34 FRAMING ANCHORS @ EA END, TYP
HEAVY DUTY K.V. STANDARDS, NICKEL FINISH (TYP.) ATTACH W/ #10 SCREWS @ EA BLOCK
METAL BRACKET NICKEL FINISH. (TYP.)
ADJUSTABLE SHELF: 3/4" PLYWD, SELF EDGED. CLEAR POLYURETHANE FINISH. (TYPICAL).
24"
24"
24"
24"

CUSTODIAL SHELVING 3/4" **9**

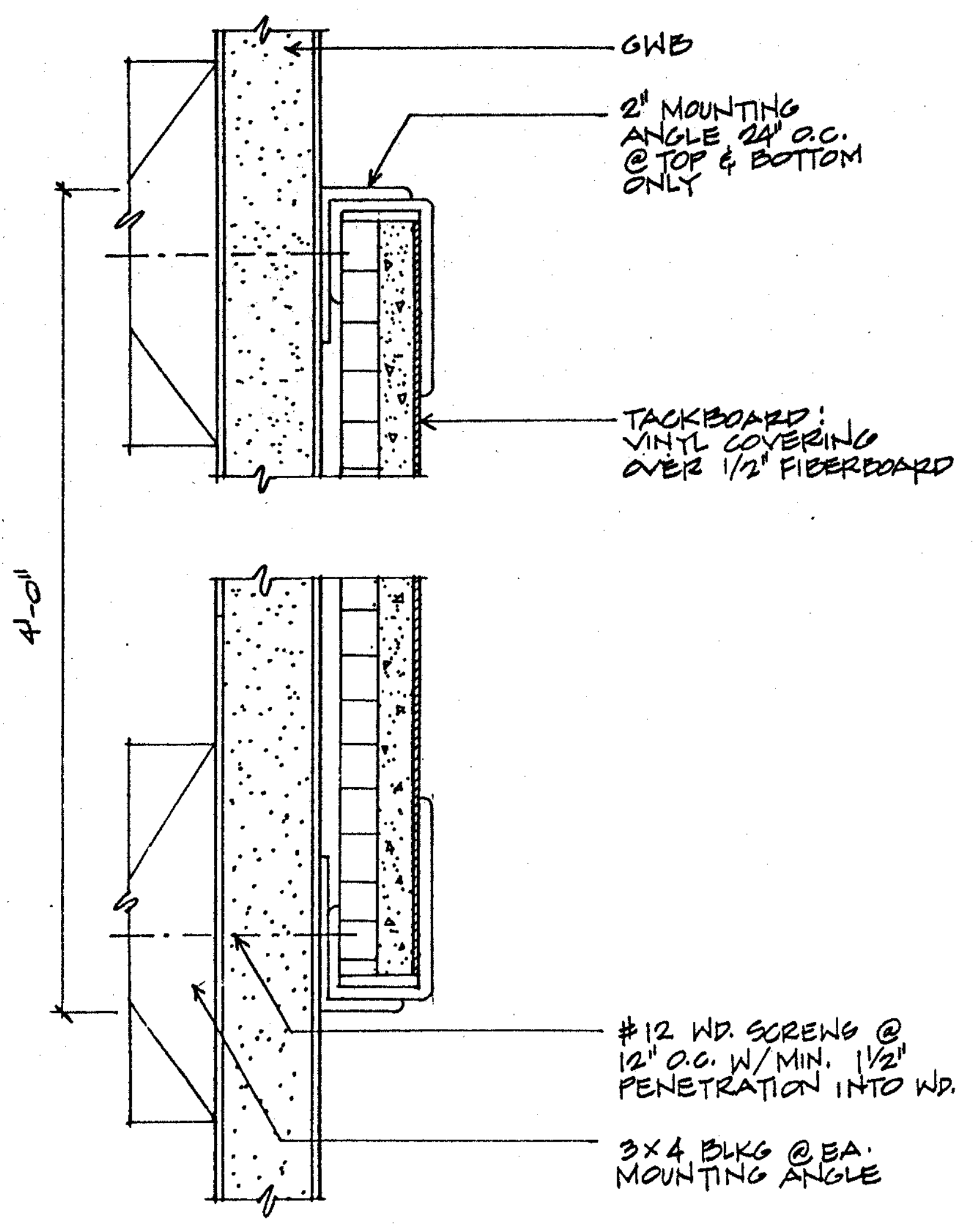

WALL HUNG CABINET
#10 WOOD SCREWS 12" O.C. MIN. PENETRATION INTO 3x4 - 2 1/2". MIN. 2 SCREWS PER CABINET @ EACH BACKING LOCATION
23 / TD9
3x4 BLOCKING W/PAIR SIMPSON A-34 FRAMING ANCHORS @ EACH END AND BLOCK.
P. LAM. FLUSH DOOR. (WHERE OCCURS)
BACKSPLASH WITH INTEGRAL COVE
COUNTER TOP
BACKSPLASH RETURN @ WALL
4"
ATTACH TO STUD
P. LAM. FLUSH DOOR (WHERE OCCURS)
ADJ. SHELF (WHERE OCCURS)
2X SILL ATTACH W/ 1/2"⌀ AB @ 32" OC MIN. 3 1/2" EMBEDMENT, TYP
4" P. LAM. BASE
3X WOOD BASE W/ BLOCKING @ 24" OC MAX

NOTES:

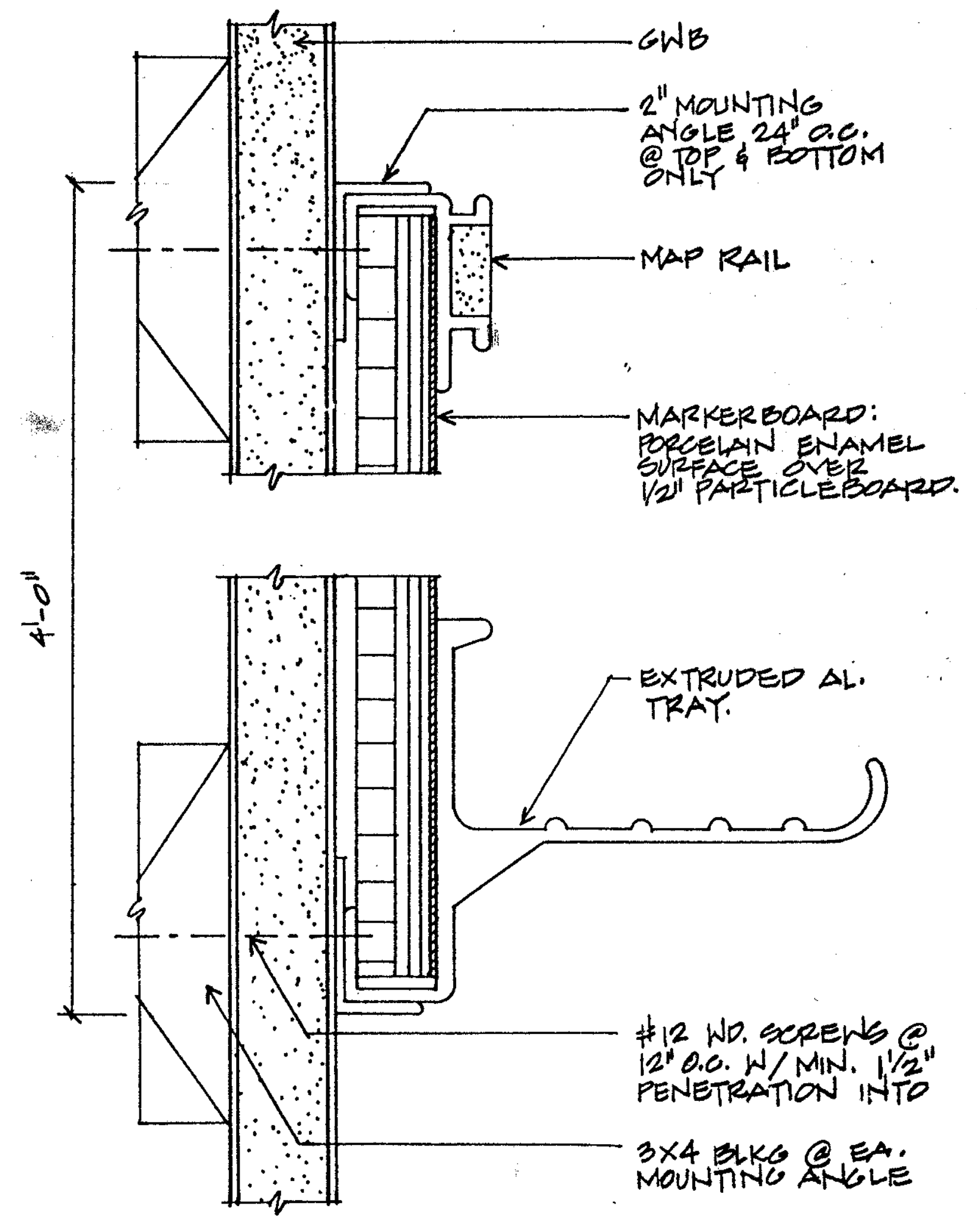
VERIFY VERTICAL SPACING REQUIREMENTS WITH CABINET MANUFACTURER.

SIMILAR ANCHORAGE FOR TALL CABINETS, EXCEPT ANCHOR AT TOP AND BOTTOM. AND @ 24" O.C. MAX.

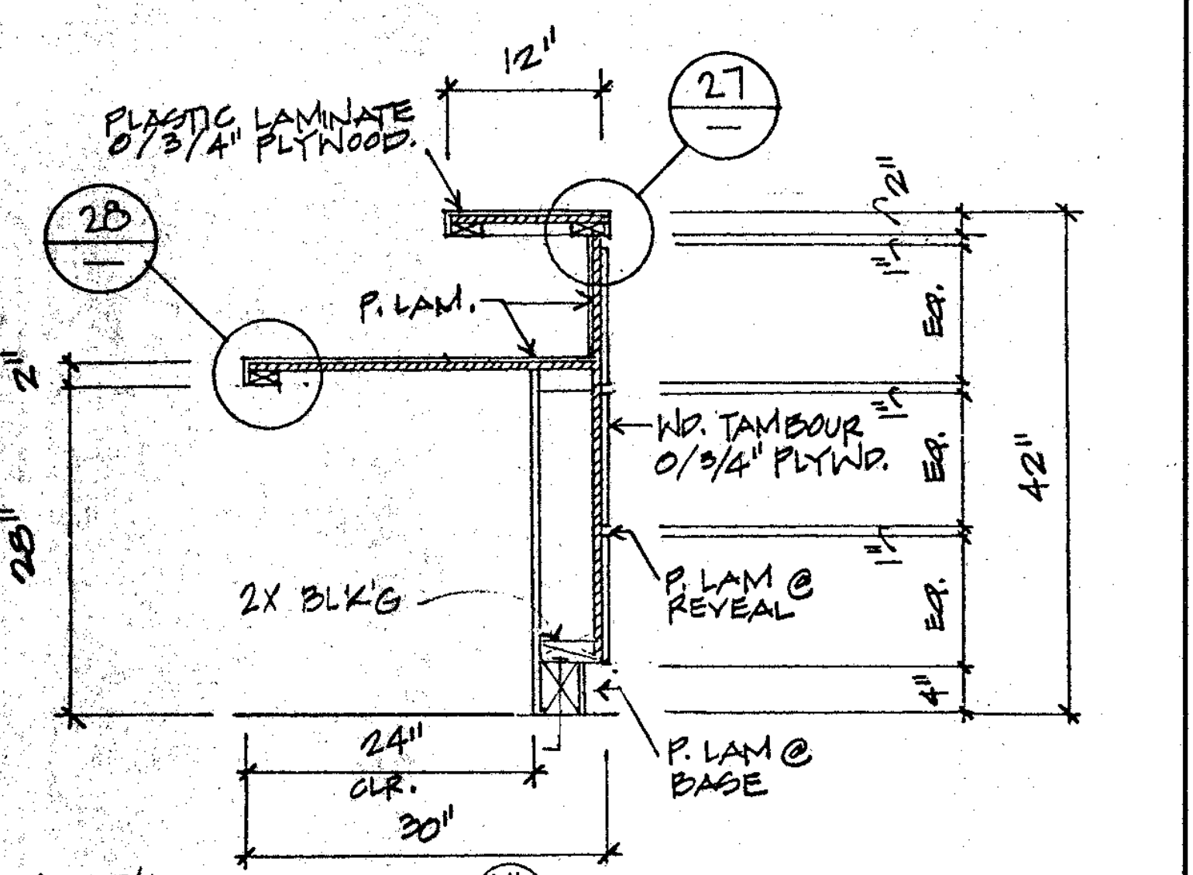
TYP. CABINET ANCHORAGE 3/4" **10**


GWB
2" MOUNTING ANGLE 24" O.C. @ TOP & BOTTOM ONLY
TACKBOARD: VINYL COVERING OVER 1/2" FIBERBOARD
#12 WD. SCREWS @ 12" O.C. W/ MIN. 1 1/2" PENETRATION INTO WD.
3x4 BLKG @ EA. MOUNTING ANGLE
4'-0"

TACK BOARD NTS **11**

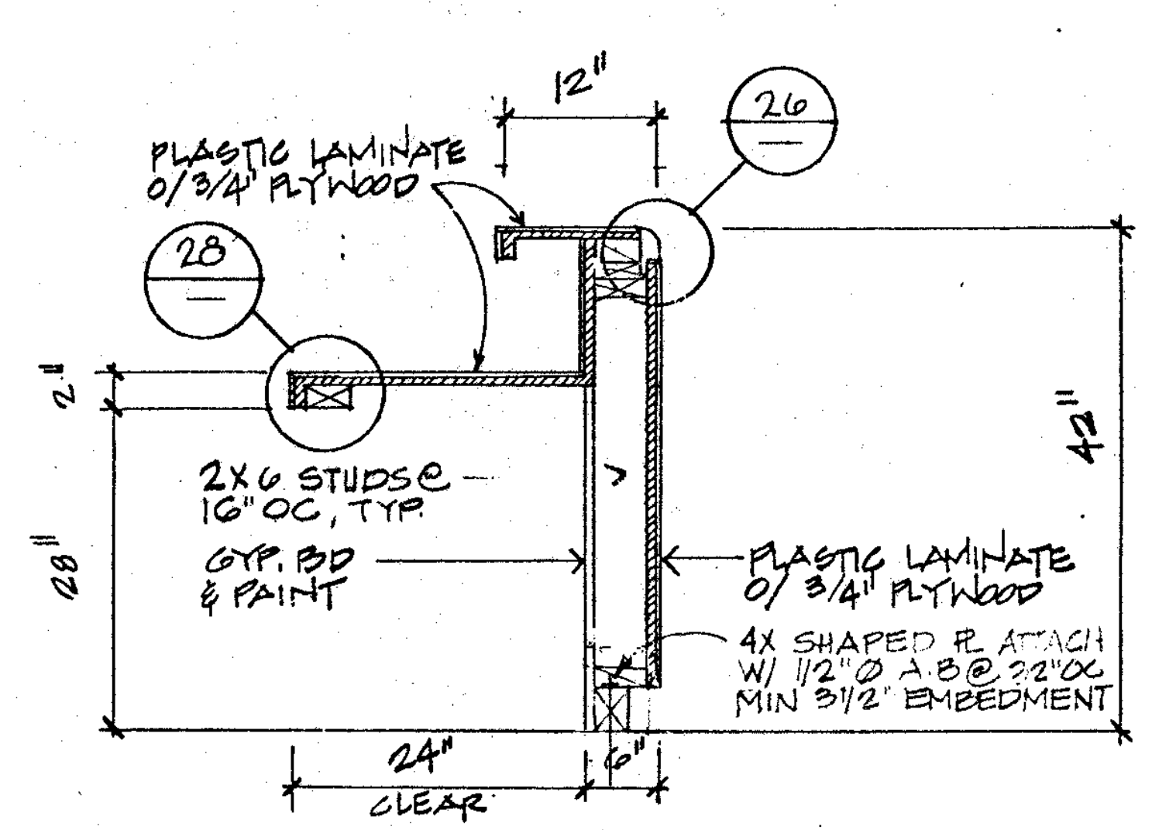

GWB
2" MOUNTING ANGLE 24" O.C. @ TOP & BOTTOM ONLY
MAP RAIL
MARKERBOARD: PORCELAIN ENAMEL SURFACE OVER 1/2" PARTICLEBOARD.
EXTRUDED AL. TRAY.
#12 WD. SCREWS @ 12" O.C. W/ MIN. 1 1/2" PENETRATION INTO
3x4 BLKG @ EA. MOUNTING ANGLE
4'-0"

MARKER BOARD NTS **12**


12"
27
PLASTIC LAMINATE O/3/4" PLYWOOD.
28
P. LAM.
WD. TAMBOUR O/3/4" PLYWD.
2X BLK'G
P. LAM @ REVEAL
P. LAM @ BASE
2"
28"
1"
EQ.
42"
4"
24" CLR.
30"

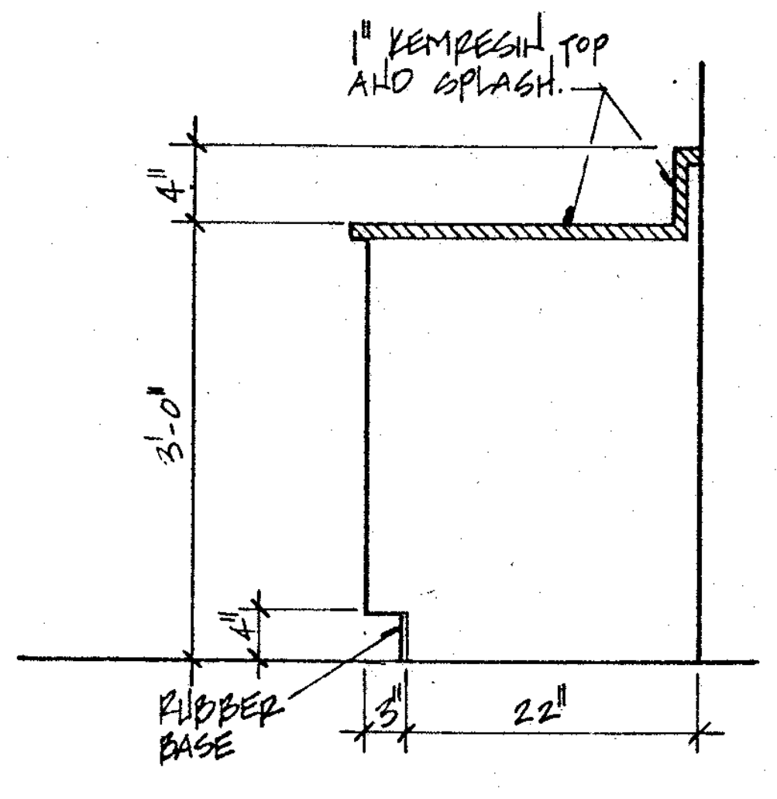
FOR ADD'L NOTES SEE 14/–

RECEPTION DESK 3/4" **13**

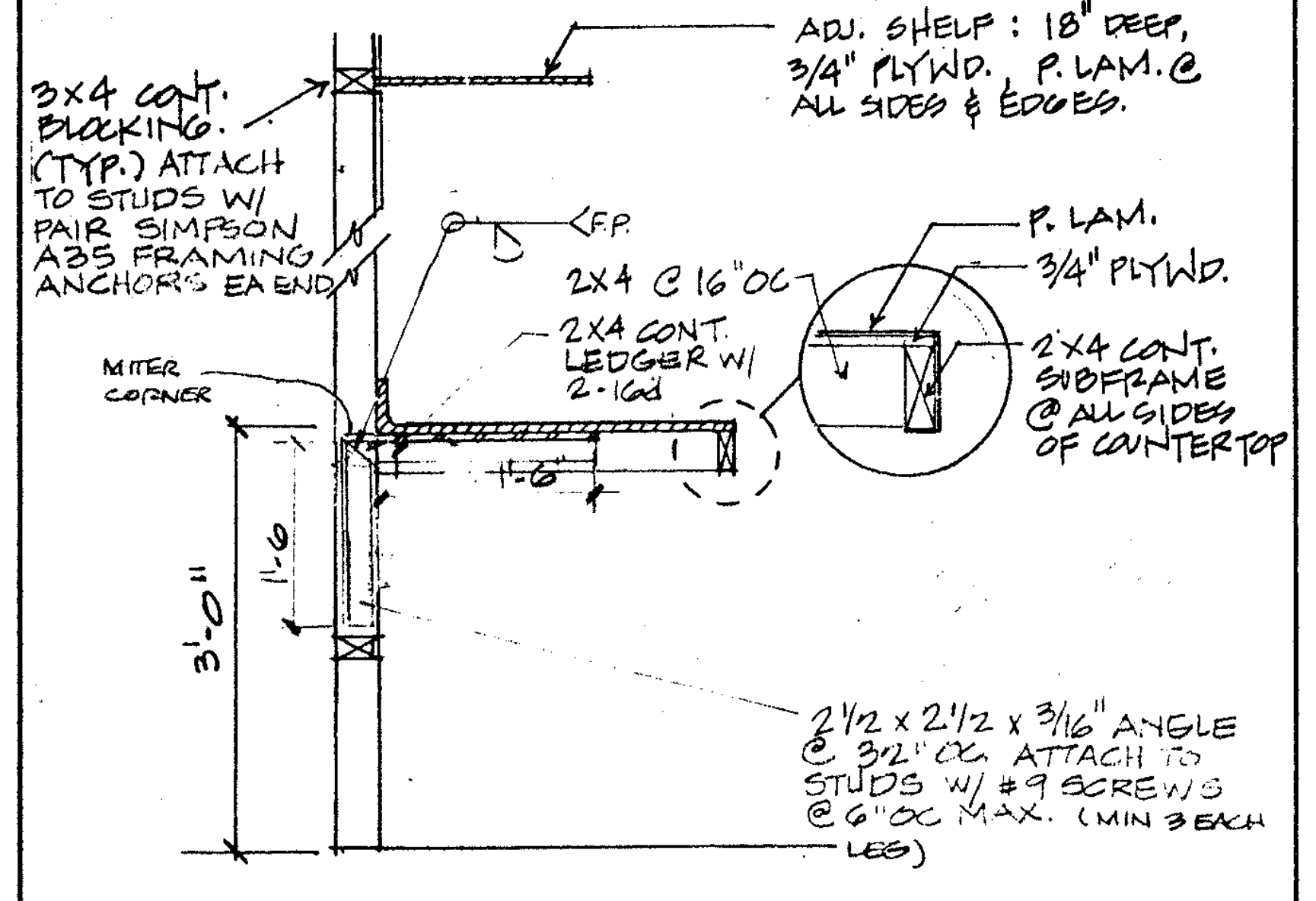

12"
26
PLASTIC LAMINATE O/3/4" PLYWOOD
28
2x6 STUDS @ 16" OC, TYP.
GYP. BD & PAINT
PLASTIC LAMINATE O/ 3/4" PLYWOOD
4X SHAPED PL. ATTACH W/ 1/2"⌀ A.B. @ 32" OC MIN 3 1/2" EMBEDMENT
2"
28"
42"
24" CLEAR
6"

FOR ADD'L NOTES SEE 13/–

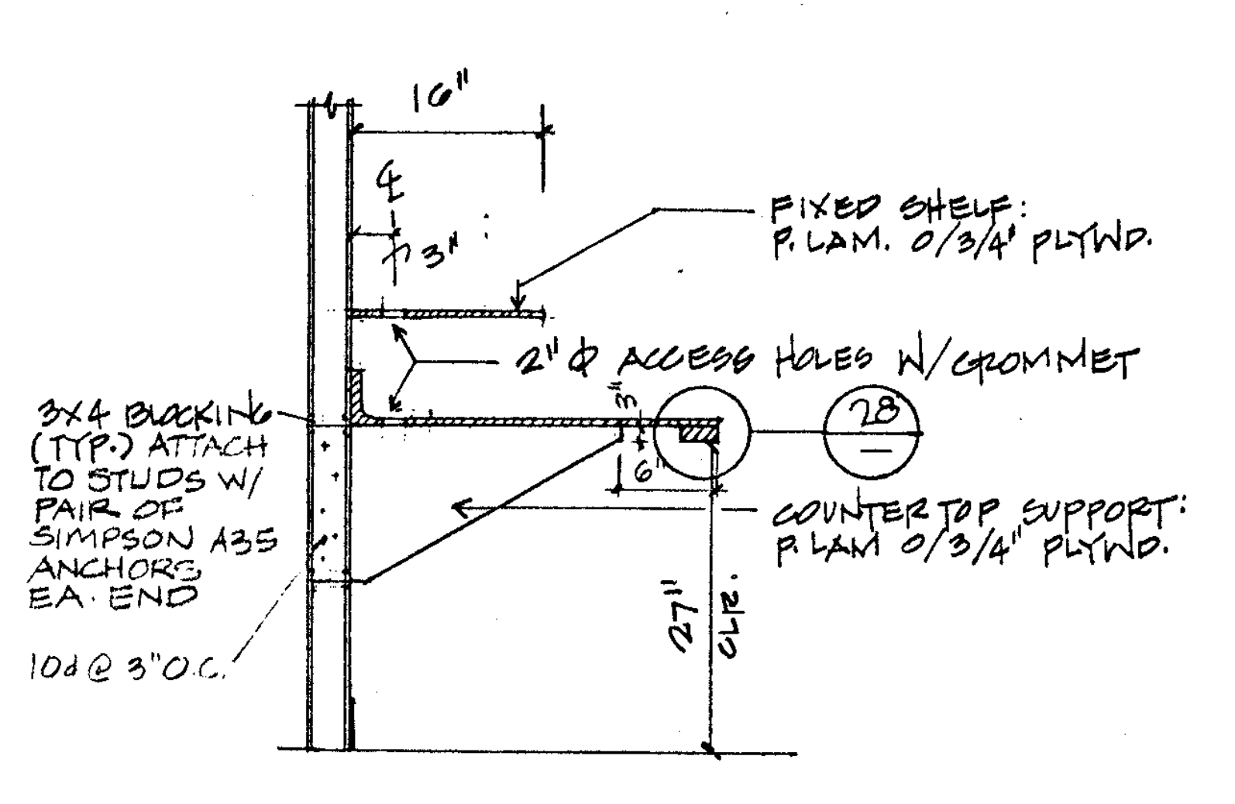
RECEPTION DESK NTS **14**


1" KEMRESIN TOP AND SPLASH
4"
3'-0"
RUBBER BASE
3"
22"

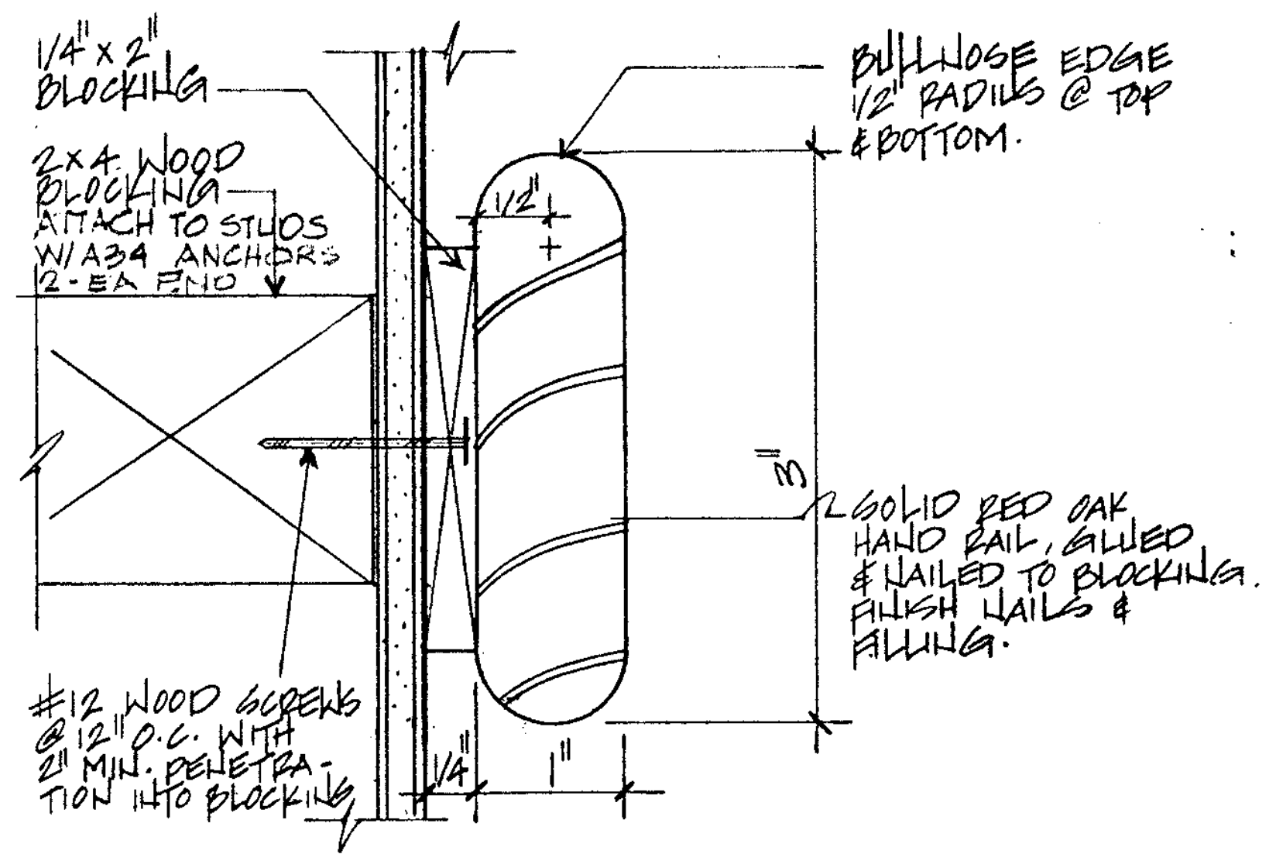
LAB CABINET 3/4" **15**


ADJ. SHELF: 18" DEEP, 3/4" PLYWD. P. LAM. @ ALL SIDES & EDGES.
3x4 CONT. BLOCKING. (TYP.) ATTACH TO STUDS W/ PAIR SIMPSON A35 FRAMING ANCHORS EA END
F.P.
P. LAM.
3/4" PLYWD.
2x4 @ 16" OC
2x4 CONT. LEDGER W/ 2-16d
2x4 CONT. SUBFRAME @ ALL SIDES OF COUNTER TOP
MITER CORNER
1'-6"
1'-6"
3'-0"
2 1/2 x 2 1/2 x 3/16" ANGLE @ 32" OC. ATTACH TO STUDS W/ #9 SCREWS @ 6" OC MAX. (MIN 3 EACH LEG)

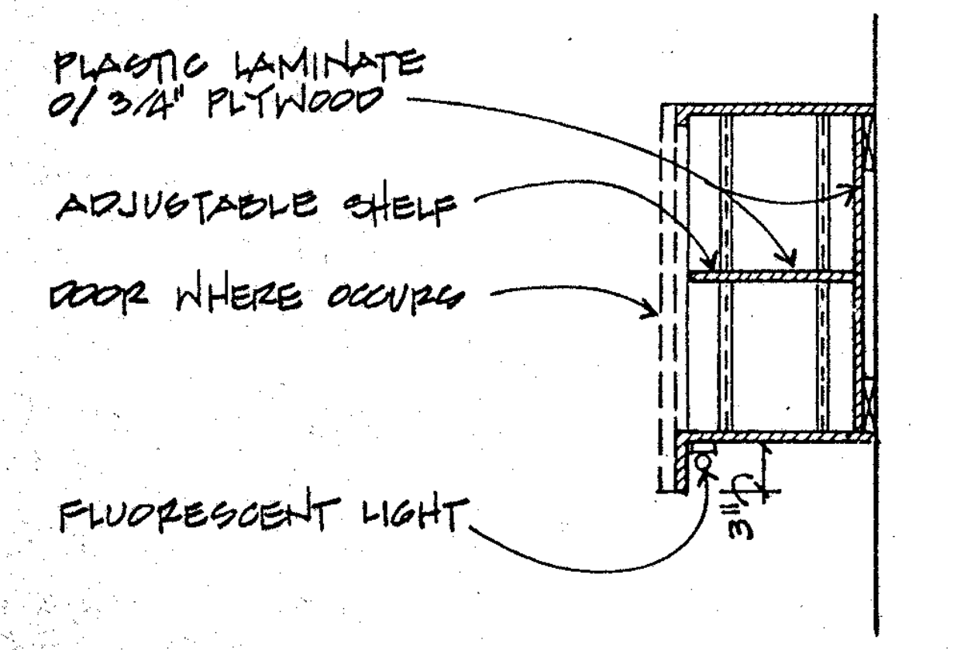
CONCESSION COUNTER 3/4" **16**


16"
℄
3"
FIXED SHELF: P. LAM. O/3/4" PLYWD.
2" ⌀ ACCESS HOLES W/GROMMET
3x4 BLOCKING (TYP.) ATTACH TO STUDS W/ PAIR OF SIMPSON A35 ANCHORS EA. END
3"
6"
28
COUNTERTOP SUPPORT: P. LAM O/3/4" PLYWD.
10d @ 3" O.C.
27" CLR.

COMPUTER COUNTER 3/4" **17**

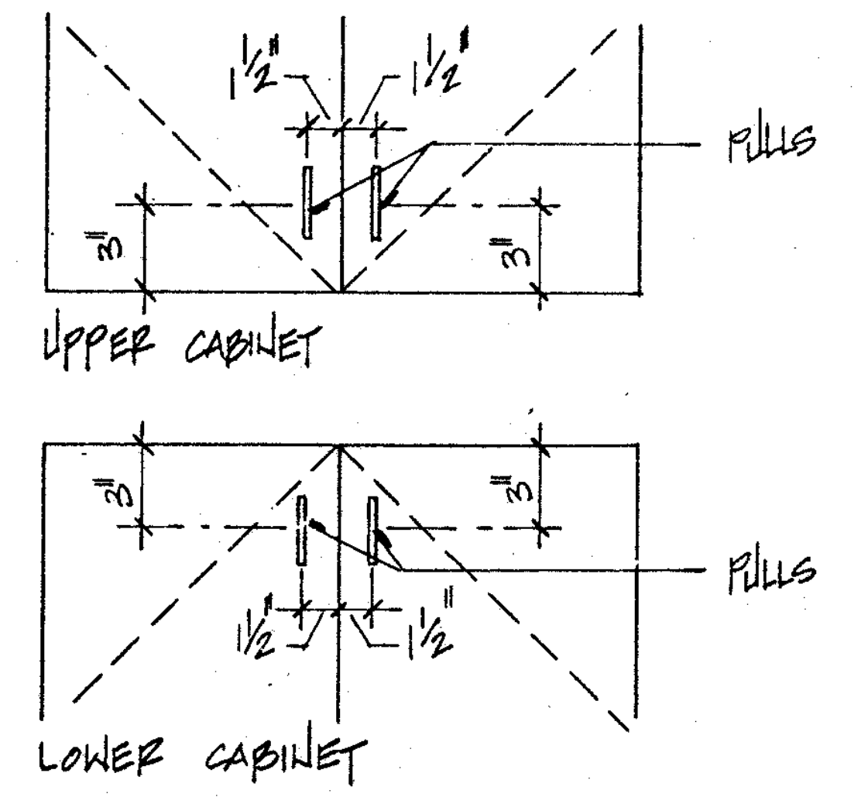

1/4" x 2" BLOCKING
2x4 WOOD BLOCKING ATTACH TO STUDS W/A34 ANCHORS 2-EA END
BULLNOSE EDGE 1/2" RADIUS @ TOP & BOTTOM.
1/2"
3"
2 SOLID RED OAK HAND RAIL, GLUED & NAILED TO BLOCKING. FINISH NAILS & FILLING.
#12 WOOD SCREWS @ 12" O.C. WITH 2" MIN. PENETRATION INTO BLOCKING
1/4"
1"

CHAIR RAIL F.S **18**

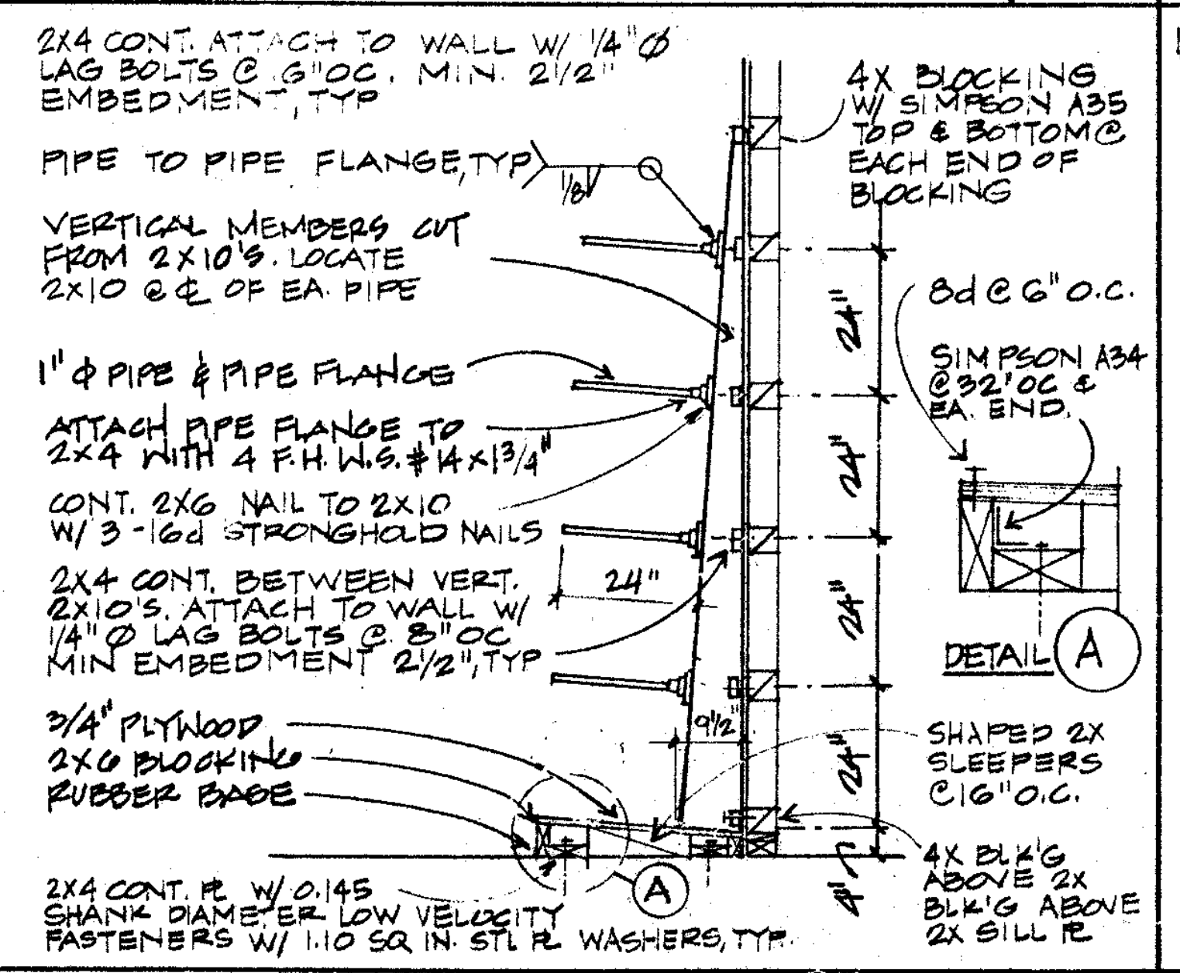

PLASTIC LAMINATE O/ 3/4" PLYWOOD
ADJUSTABLE SHELF
DOOR WHERE OCCURS
FLUORESCENT LIGHT
3"

FOR ANCHORAGE SEE 10/–

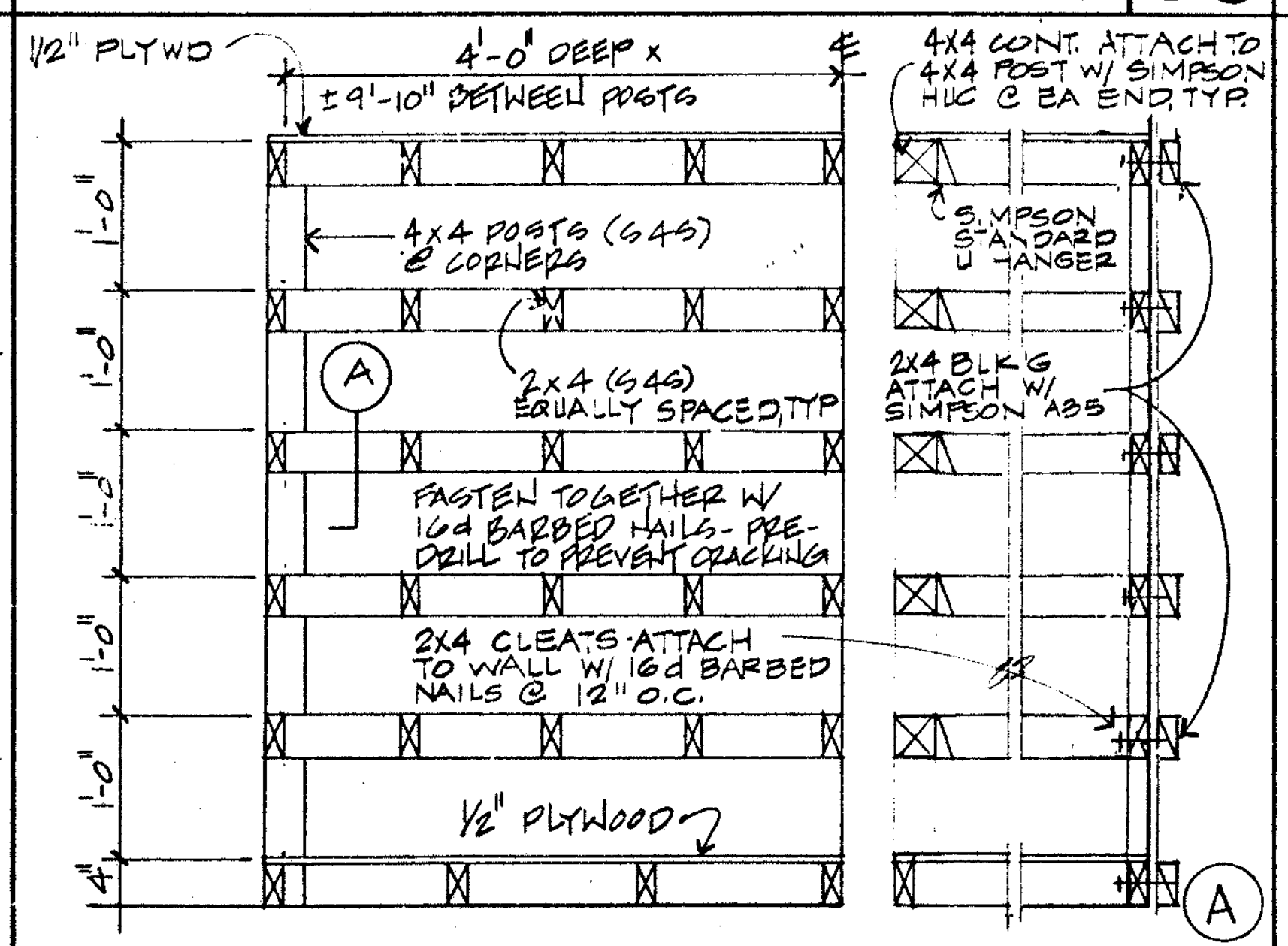
WALL CABINET NTS **19**


1 1/2"
1 1/2"
PULLS
3"
3"
UPPER CABINET
3"
3"
PULLS
1 1/2"
1 1/2"
LOWER CABINET

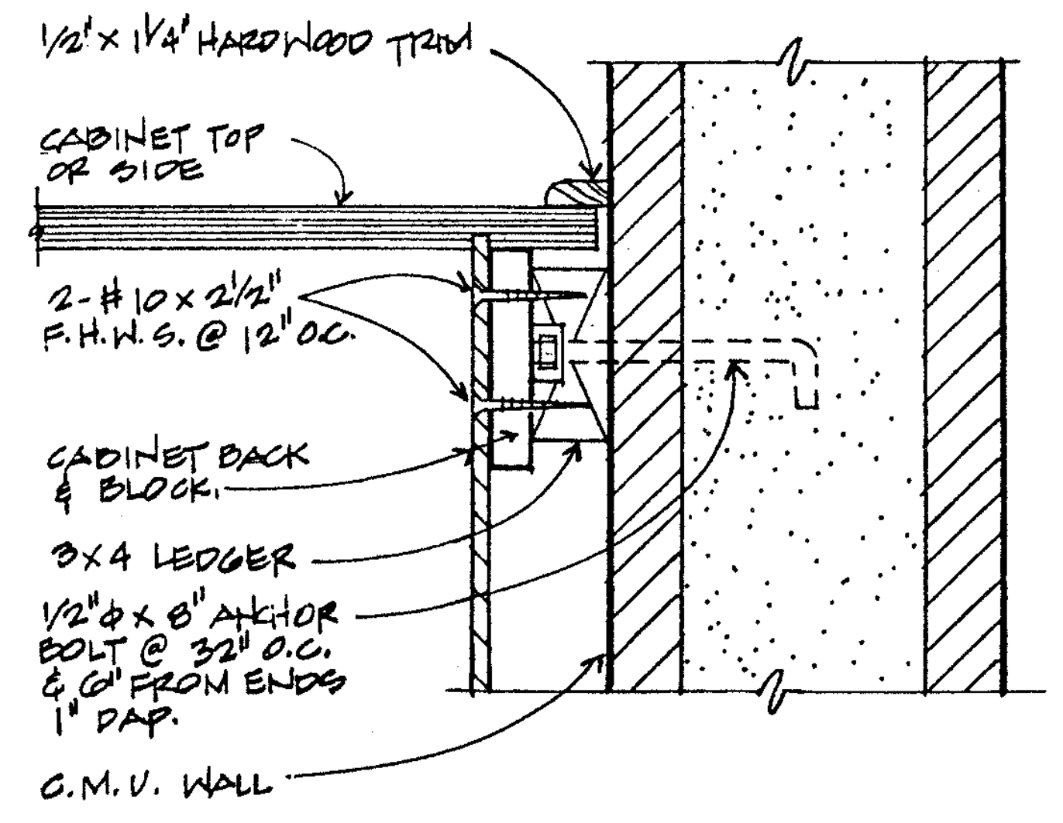
CABINET PULLS NTS **20**


2x4 CONT. ATTACH TO WALL W/ 1/4"⌀ LAG BOLTS @ 6" OC. MIN. 2 1/2" EMBEDMENT, TYP
PIPE TO PIPE FLANGE, TYP
1/8
VERTICAL MEMBERS CUT FROM 2x10'S. LOCATE 2x10 @ ℄ OF EA. PIPE
1" ⌀ PIPE & PIPE FLANGE
ATTACH PIPE FLANGE TO 2x4 WITH 4 F.H.W.S. #14 x 1 3/4"
CONT. 2x6 NAIL TO 2x10 W/ 3-16d STRONGHOLD NAILS
2x4 CONT. BETWEEN VERT. 2x10'S. ATTACH TO WALL W/ 1/4"⌀ LAG BOLTS @ 8" OC MIN EMBEDMENT 2 1/2", TYP
24"
9 1/2"
3/4" PLYWOOD
2x6 BLOCKING
RUBBER BASE
2x4 CONT. PL. W/ 0.145 SHANK DIAMETER LOW VELOCITY FASTENERS W/ 1.10 SQ IN. STL PL. WASHERS, TYP.
A
4X BLOCKING W/ SIMPSON A35 TOP & BOTTOM @ EACH END OF BLOCKING
24"
24"
24"
24"
4"
8d @ 6" O.C.
SIMPSON A34 @ 32" OC & EA. END.
DETAIL A
SHAPED 2X SLEEPERS @ 16" O.C.
4X BLK'G ABOVE 2X BLK'G ABOVE 2X SILL PL.

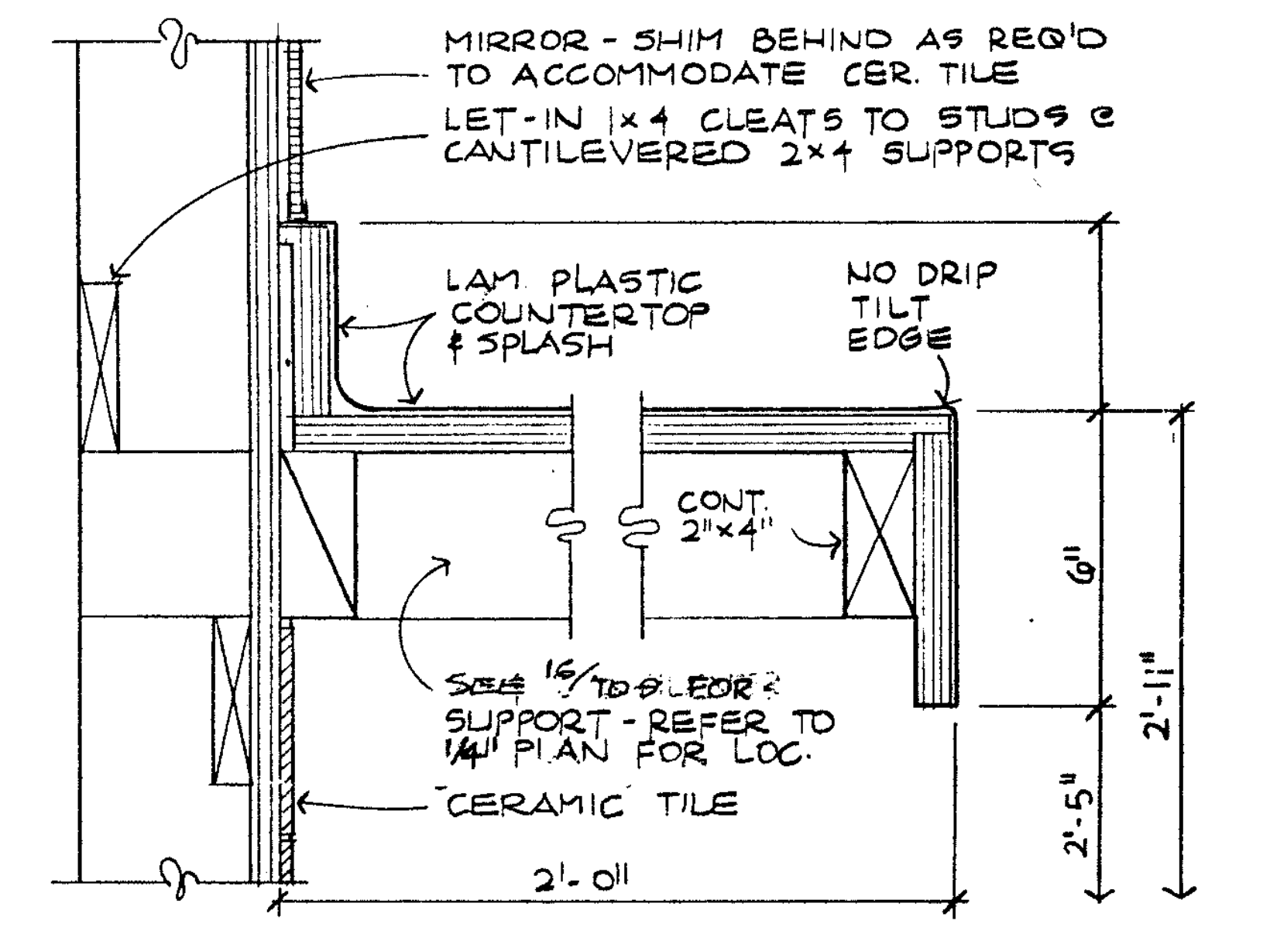
LUMBER STORAGE 3/8" **21**


1/2" PLYWD
4'-0" DEEP x ±9'-10" BETWEEN POSTS
℄
4x4 CONT. ATTACH TO 4x4 POST W/ SIMPSON HUC @ EA END, TYP.
4x4 POSTS (S4S) @ CORNERS
SIMPSON STANDARD U HANGER
A
2x4 (S4S) EQUALLY SPACED, TYP
2x4 BLK'G ATTACH W/ SIMPSON A35
FASTEN TOGETHER W/ 16d BARBED NAILS - PRE-DRILL TO PREVENT CRACKING
2x4 CLEATS ATTACH TO WALL W/ 16d BARBED NAILS @ 12" O.C.
1/2" PLYWOOD
1'-0"
1'-0"
1'-0"
1'-0"
1'-0"
4"
A

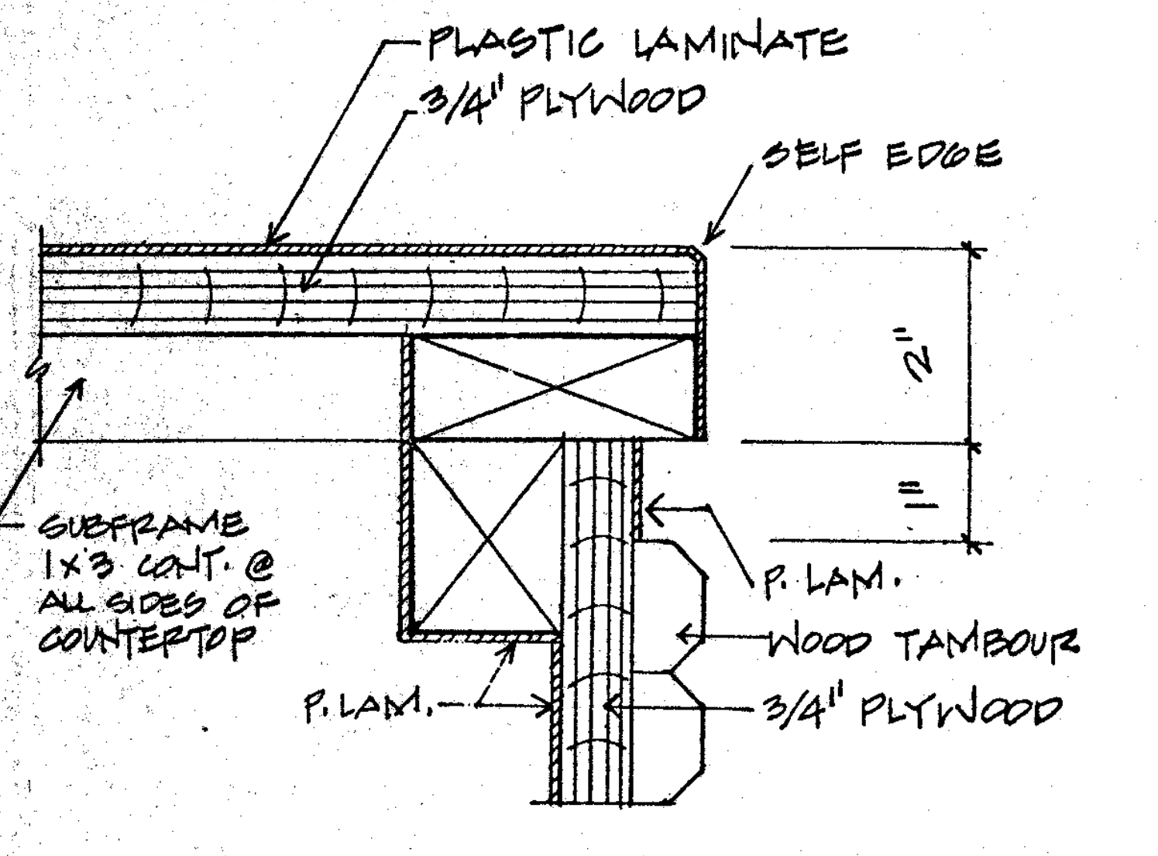
PLYWOOD STORAGE 3/4" **22**


1/2" x 1 1/4" HARDWOOD TRIM
CABINET TOP OR SIDE
2-#10 x 2 1/2" F.H.W.S. @ 12" OC.
CABINET BACK & BLOCK.
3x4 LEDGER
1/2"⌀ x 8" ANCHOR BOLT @ 32" O.C. & 6" FROM ENDS 1" DAP.
C.M.U. WALL

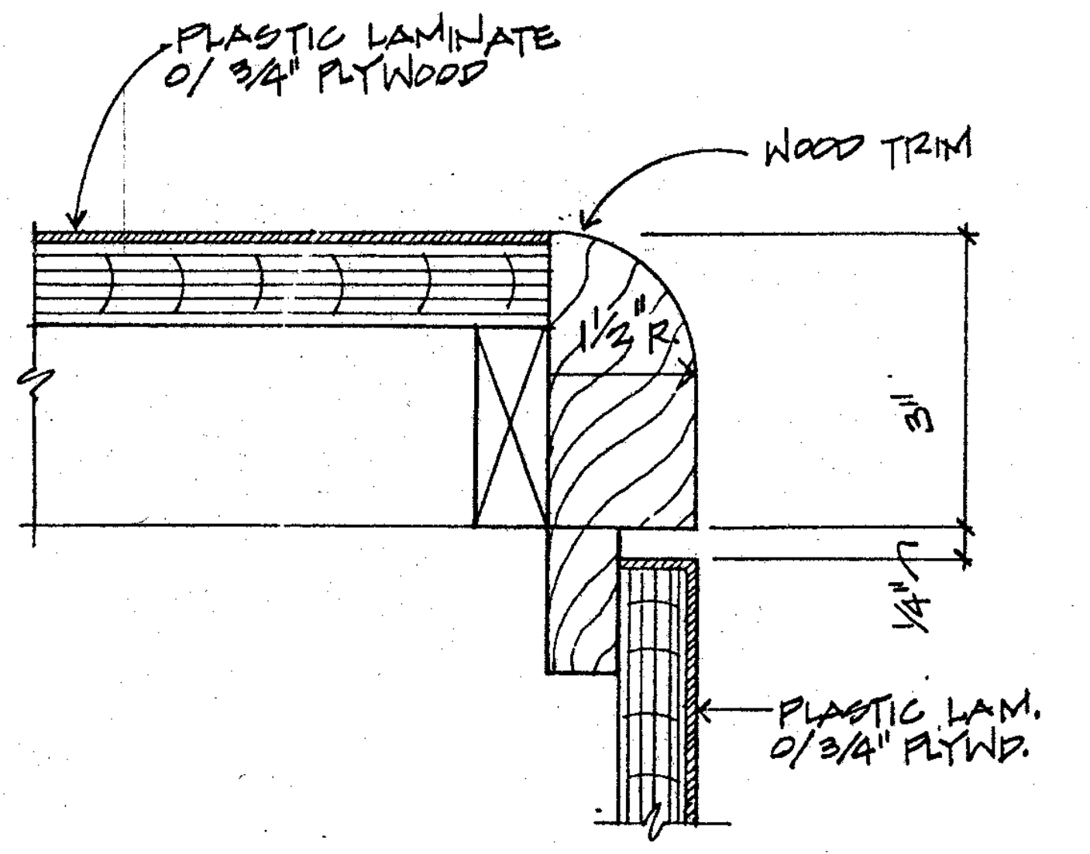
CABINET ANCHORAGE 3" **23**


MIRROR - SHIM BEHIND AS REQ'D TO ACCOMMODATE CER. TILE
LET-IN 1x4 CLEATS TO STUDS @ CANTILEVERED 2x4 SUPPORTS
LAM. PLASTIC COUNTERTOP & SPLASH
NO DRIP TILT EDGE
CONT. 2"x4"
SEE 16/TD-9 FOR SUPPORT - REFER TO 1/4" PLAN FOR LOC.
CERAMIC TILE
2'-0"
6"
2'-11"
2'-5"

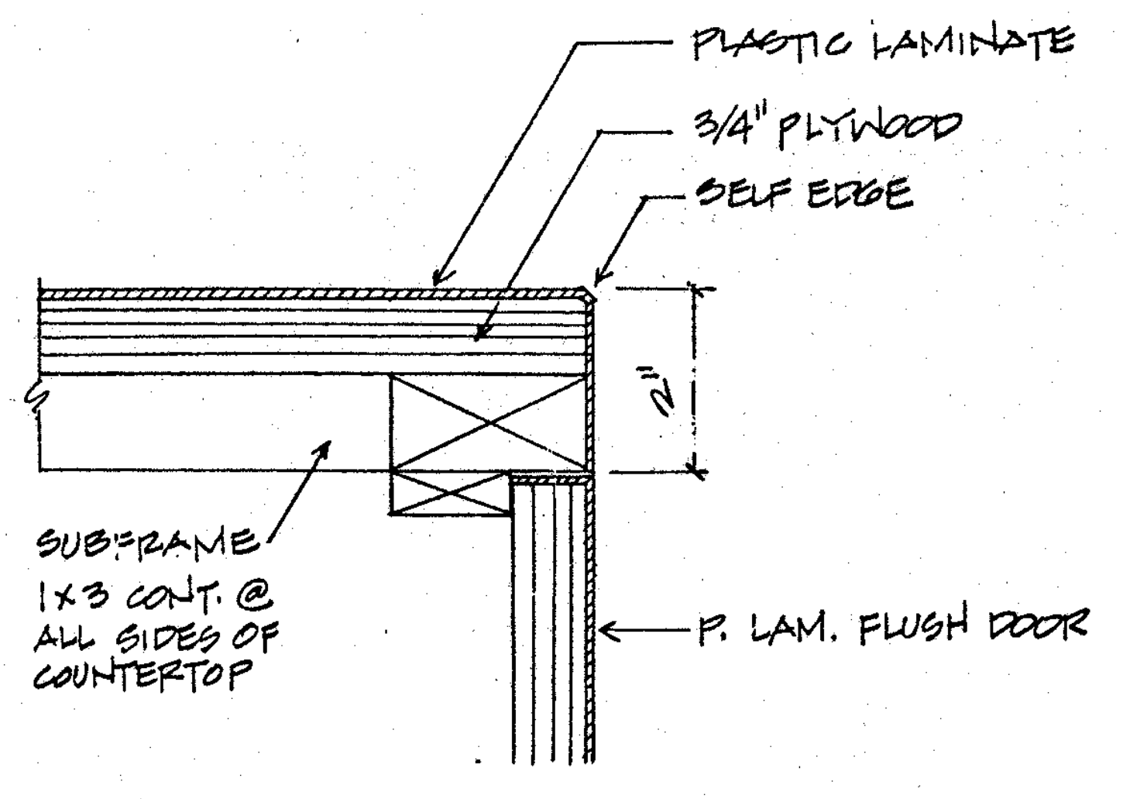
COUNTERTOP SUPPORT 3" **24**


PLASTIC LAMINATE
3/4" PLYWOOD
SELF EDGE
2"
1"
SUBFRAME 1x3 CONT. @ ALL SIDES OF COUNTERTOP
P. LAM.
WOOD TAMBOUR
3/4" PLYWOOD
P. LAM.

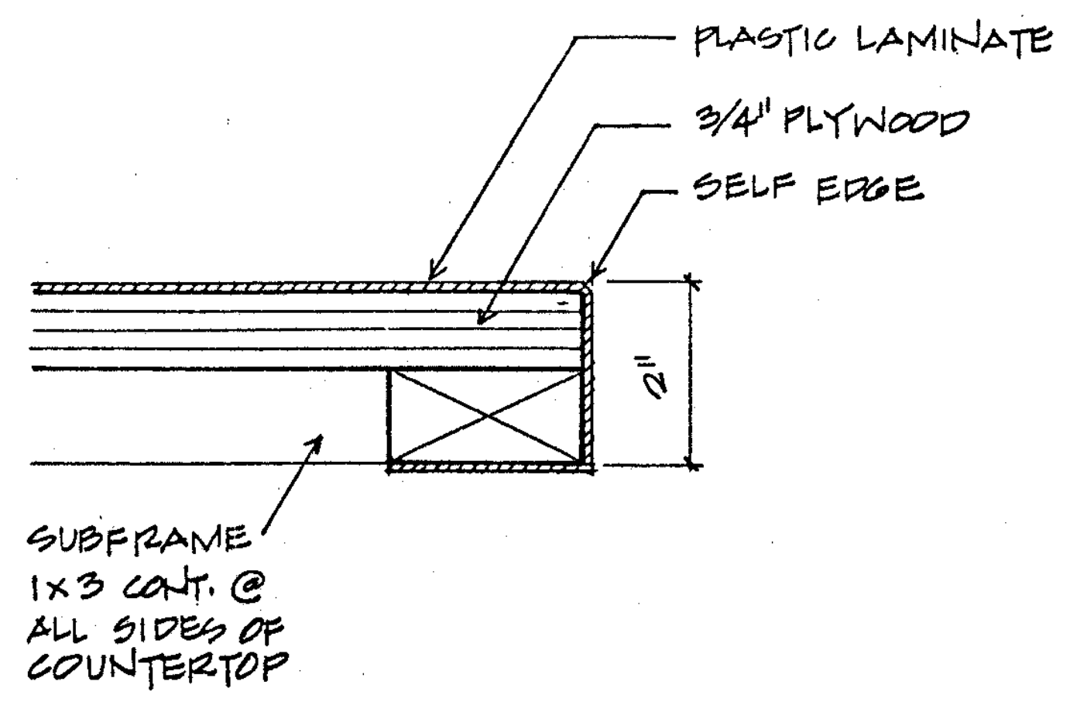
RECEPTION DESK EDGE H.S. **25**


PLASTIC LAMINATE O/ 3/4" PLYWOOD
WOOD TRIM
1 1/2" R.
3"
1/4"
PLASTIC LAM. O/3/4" PLYWD.

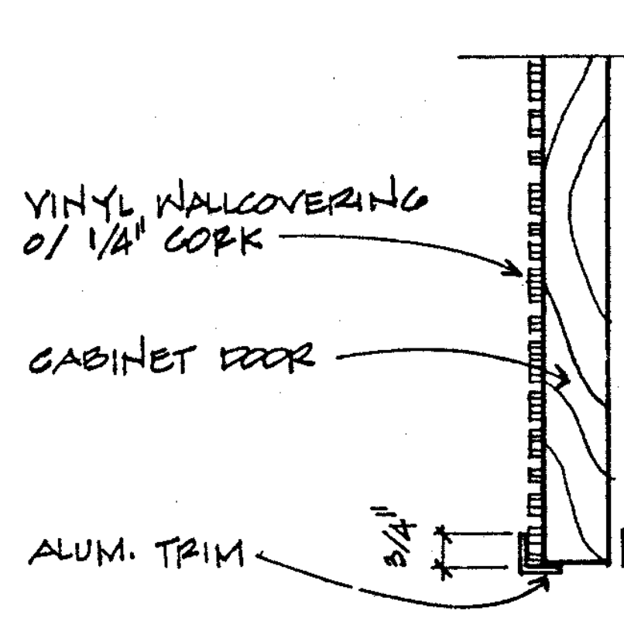
WOOD EDGE TRIM H.S **26**


PLASTIC LAMINATE
3/4" PLYWOOD
SELF EDGE
2"
SUBFRAME 1x3 CONT. @ ALL SIDES OF COUNTERTOP
P. LAM. FLUSH DOOR

COUNTER EDGE H.S **27**


PLASTIC LAMINATE
3/4" PLYWOOD
SELF EDGE
2"
SUBFRAME 1x3 CONT. @ ALL SIDES OF COUNTERTOP

TYP. COUNTER EDGE H.S. **28**

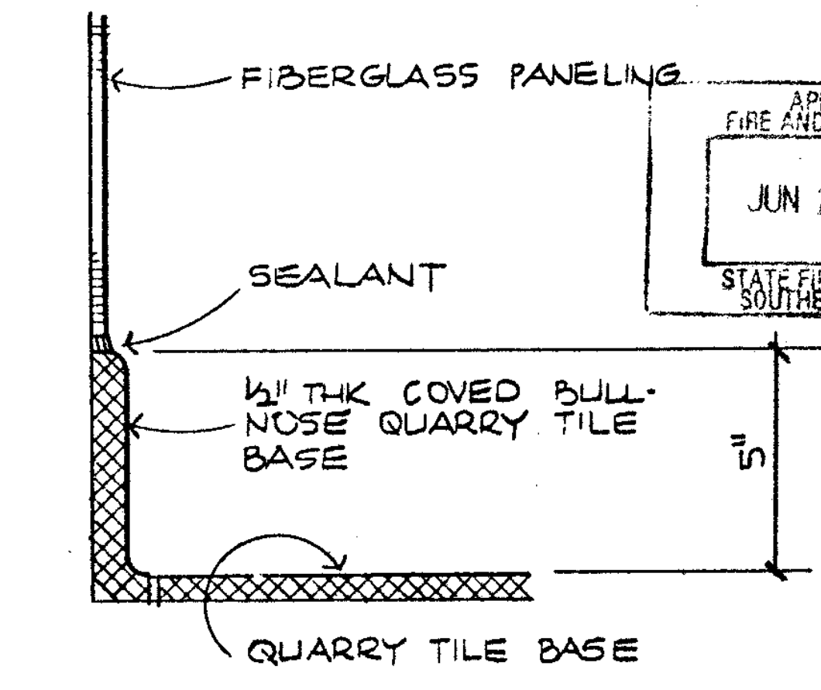

VINYL WALLCOVERING O/ 1/4" CORK
CABINET DOOR
ALUM. TRIM
3/4"

CABINET DOOR W.T.S. NTS **29**

OFFICE OF THE STATE ARCHITECT
A 49275 JUN 1988
John P. M. Cart

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88

APPROVED
FIRE AND PANIC ONLY
JUN 20 1986
BJ
STATE FIRE MARSHAL
SOUTHERN REGION


FIBERGLASS PANELING
SEALANT
1/2" THK COVED BULL-NOSE QUARRY TILE BASE
5"
QUARRY TILE BASE

QUARRY TILE BASE 3" **30**

Drawn By
Checked By
Date
Commission No.

Revisions

Architects Planners
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3775 Tenth Street
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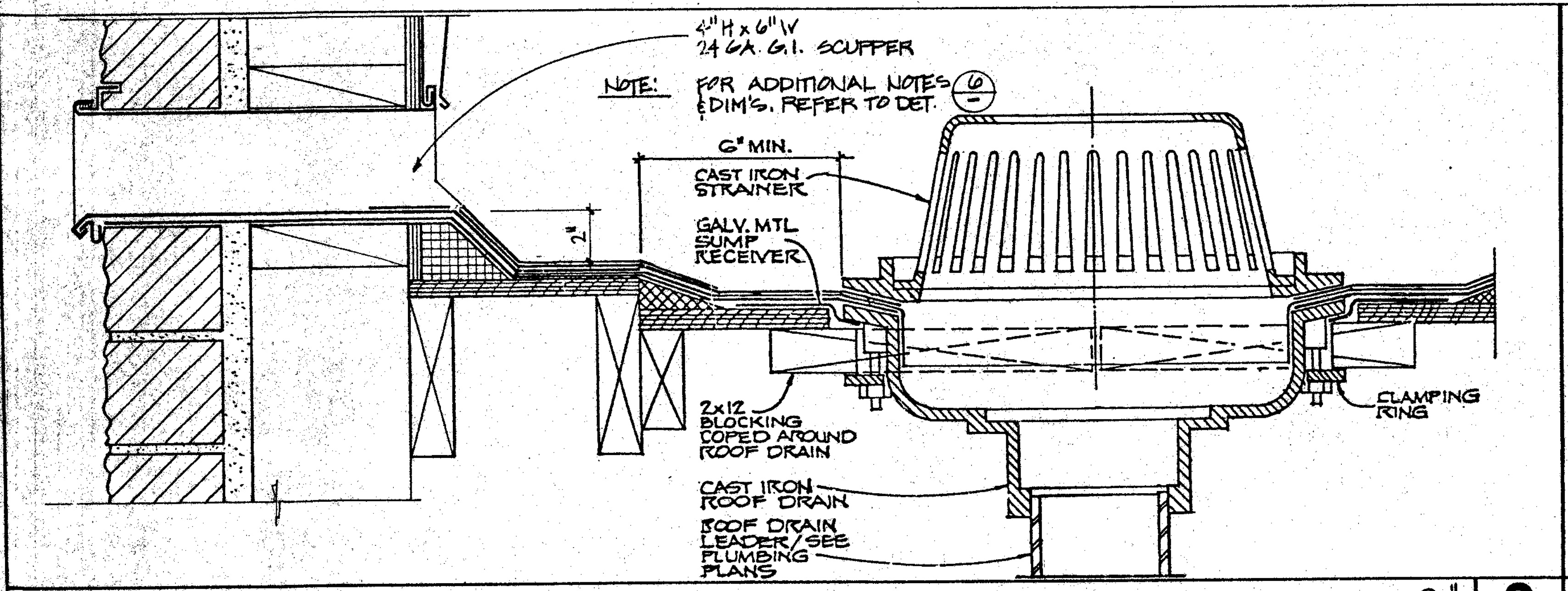
714/684-4664
5751 Palmer Way, Suite C
Carlsbad, CA 92008-1995
619/438-5899

ARCHITECT
C-6497

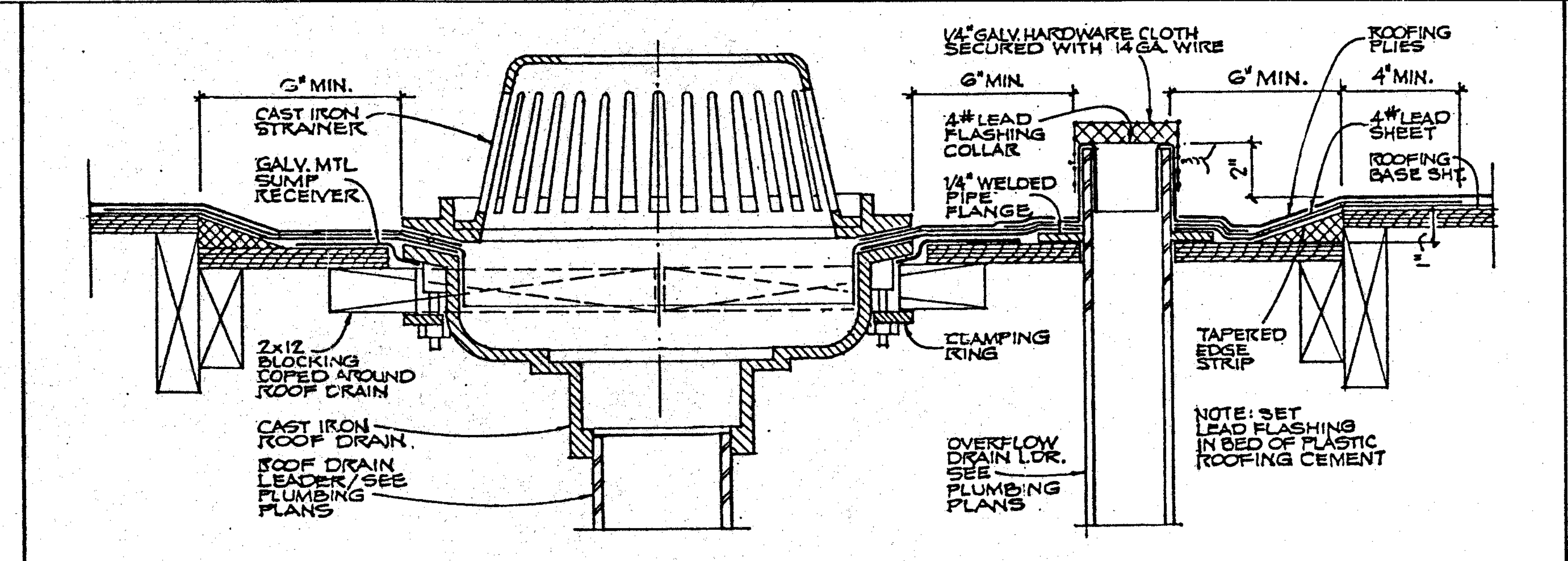
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

General Details

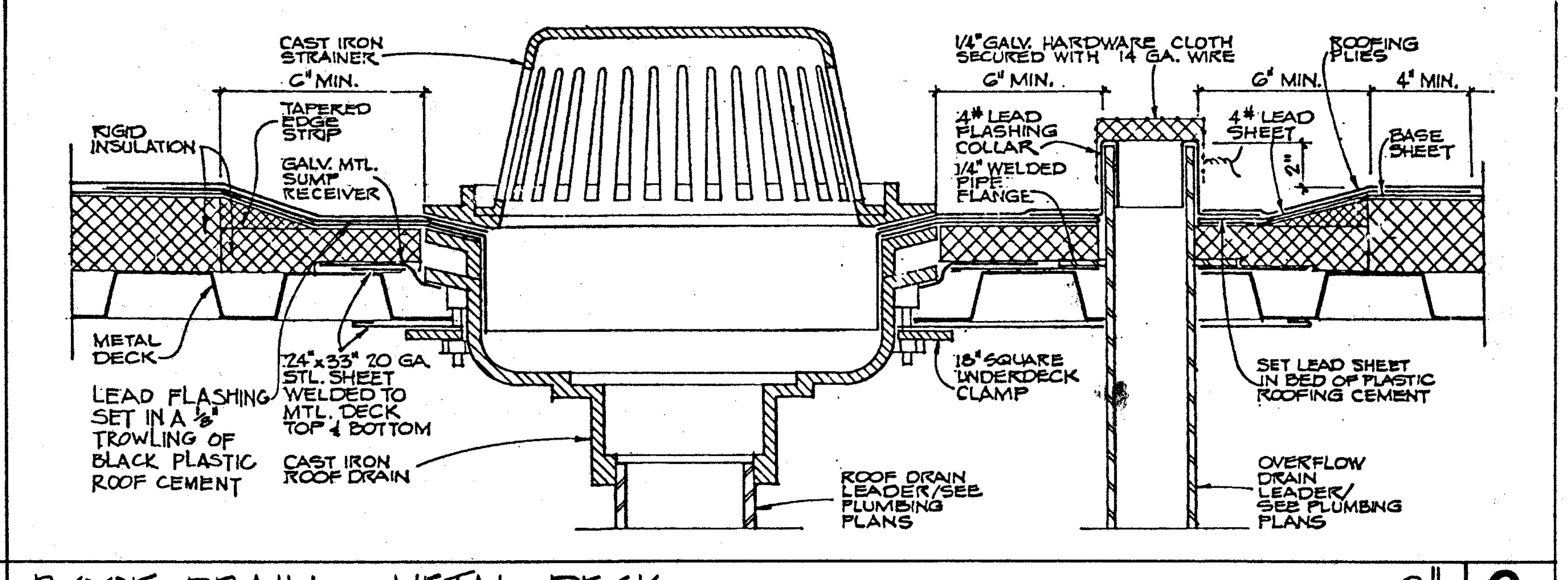
Sheet Number
TD-9
Of Sheets


4"H x 6"W
24 GA. G.I. SCUPPER
NOTE: FOR ADDITIONAL NOTES & DIM'S. REFER TO DET. (6/–)
6" MIN.
CAST IRON STRAINER
2"
GALV. MTL SUMP RECEIVER
2x12 BLOCKING COPED AROUND ROOF DRAIN
CLAMPING RING
CAST IRON ROOF DRAIN
ROOF DRAIN LEADER/SEE PLUMBING PLANS

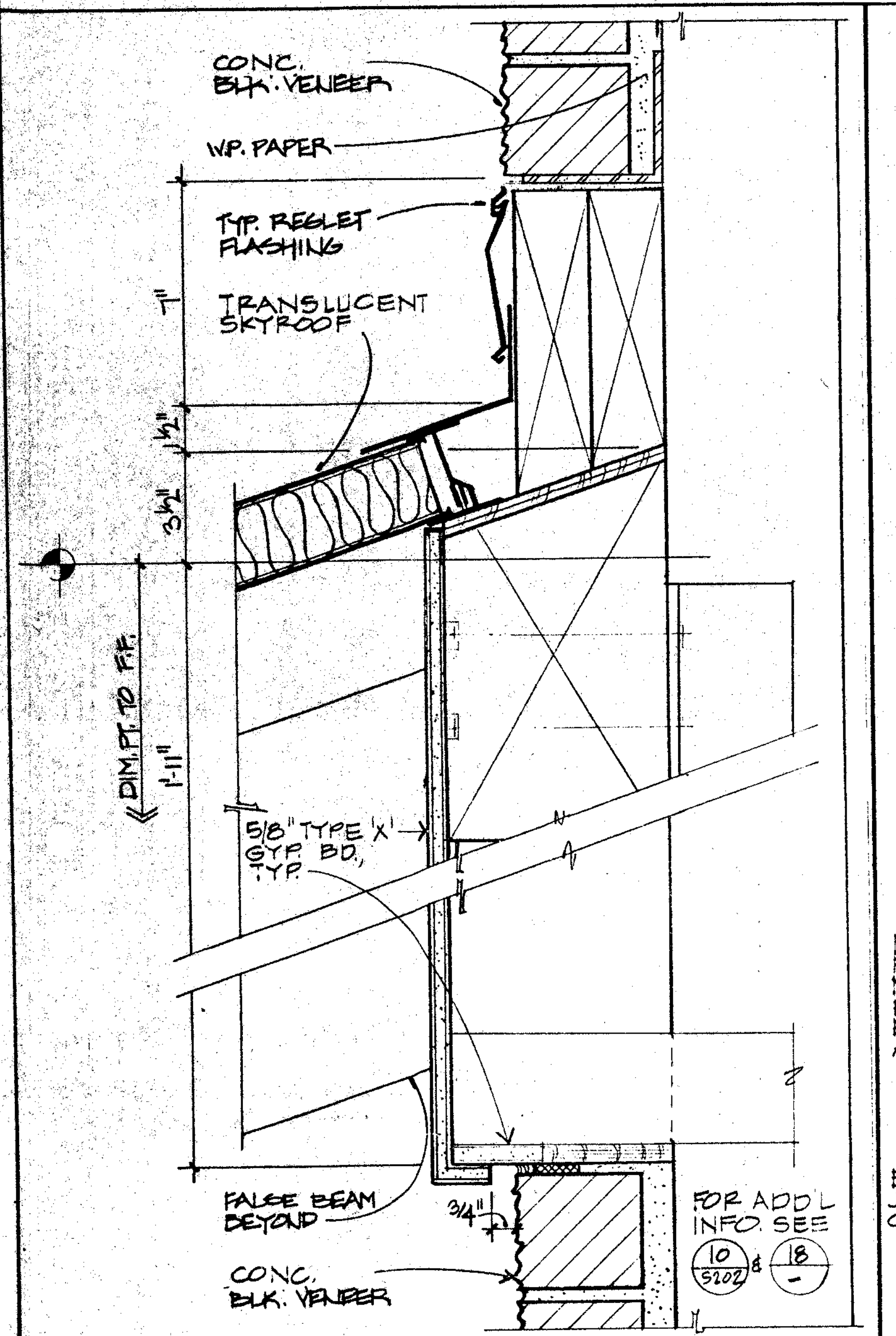
OVERFLOW SCUPPER 3" **2**


6" MIN.
CAST IRON STRAINER
GALV. MTL SUMP RECEIVER
2x12 BLOCKING COPED AROUND ROOF DRAIN
CAST IRON ROOF DRAIN
ROOF DRAIN LEADER/SEE PLUMBING PLANS
CLAMPING RING
1/4" GALV. HARDWARE CLOTH SECURED WITH 14 GA. WIRE
6" MIN.
4# LEAD FLASHING COLLAR
1/4" WELDED PIPE FLANGE
OVERFLOW DRAIN LDR. SEE PLUMBING PLANS
ROOFING PLIES
6" MIN.
4" MIN.
4# LEAD SHEET
ROOFING BASE SHT.
2"
TAPERED EDGE STRIP
NOTE: SET LEAD FLASHING IN BED OF PLASTIC ROOFING CEMENT

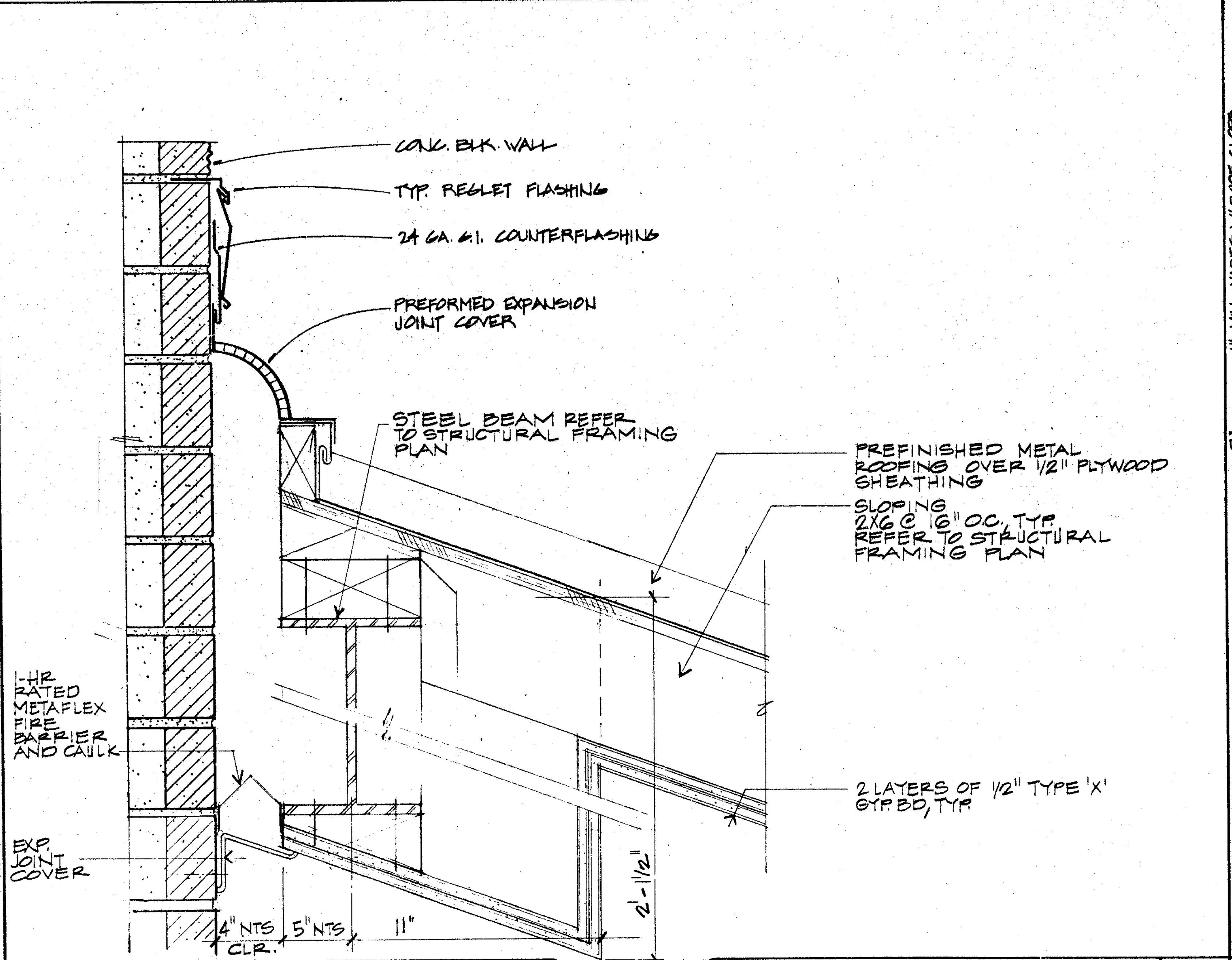
ROOF DRAIN @ WOOD DECK 3" **4**


CAST IRON STRAINER
6" MIN.
RIGID INSULATION
TAPERED EDGE STRIP
GALV. MTL. SUMP RECEIVER
METAL DECK
LEAD FLASHING SET IN A 1/8" TROWLING OF BLACK PLASTIC ROOF CEMENT
24"x33" 20 GA. STL. SHEET WELDED TO MTL. DECK TOP & BOTTOM
CAST IRON ROOF DRAIN
ROOF DRAIN LEADER/SEE PLUMBING PLANS
18" SQUARE UNDERDECK CLAMP
1/4" GALV. HARDWARE CLOTH SECURED WITH 14 GA. WIRE
6" MIN.
4# LEAD FLASHING COLLAR
1/4" WELDED PIPE FLANGE
6" MIN.
4" MIN.
ROOFING PLIES
4# LEAD SHEET
BASE SHEET
2"
SET LEAD SHEET IN BED OF PLASTIC ROOFING CEMENT
OVERFLOW DRAIN LEADER/ SEE PLUMBING PLANS

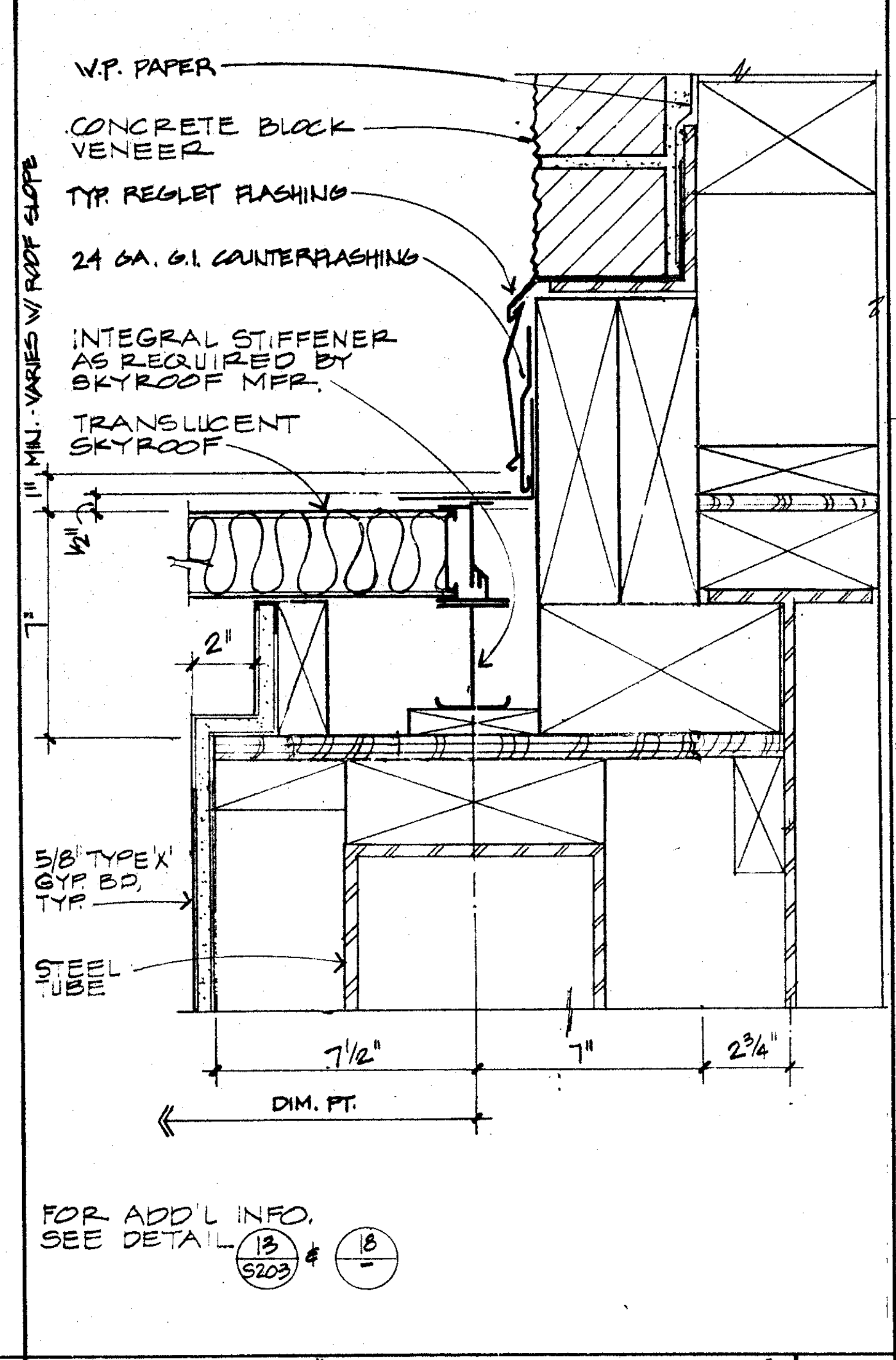
ROOF DRAIN @ METAL DECK 3" **6**


CONC. BLK. VENEER
W.P. PAPER
TYP. REGLET FLASHING
TRANSLUCENT SKYROOF
1"
1 1/2"
3 1/2"
DIM. PT. TO F.F.
1'-11"
5/8" TYPE 'X' GYP BD, TYP.
FALSE BEAM BEYOND
3/4"
CONC. BLK. VENEER
FOR ADD'L INFO. SEE (10/S202) & (18/–)

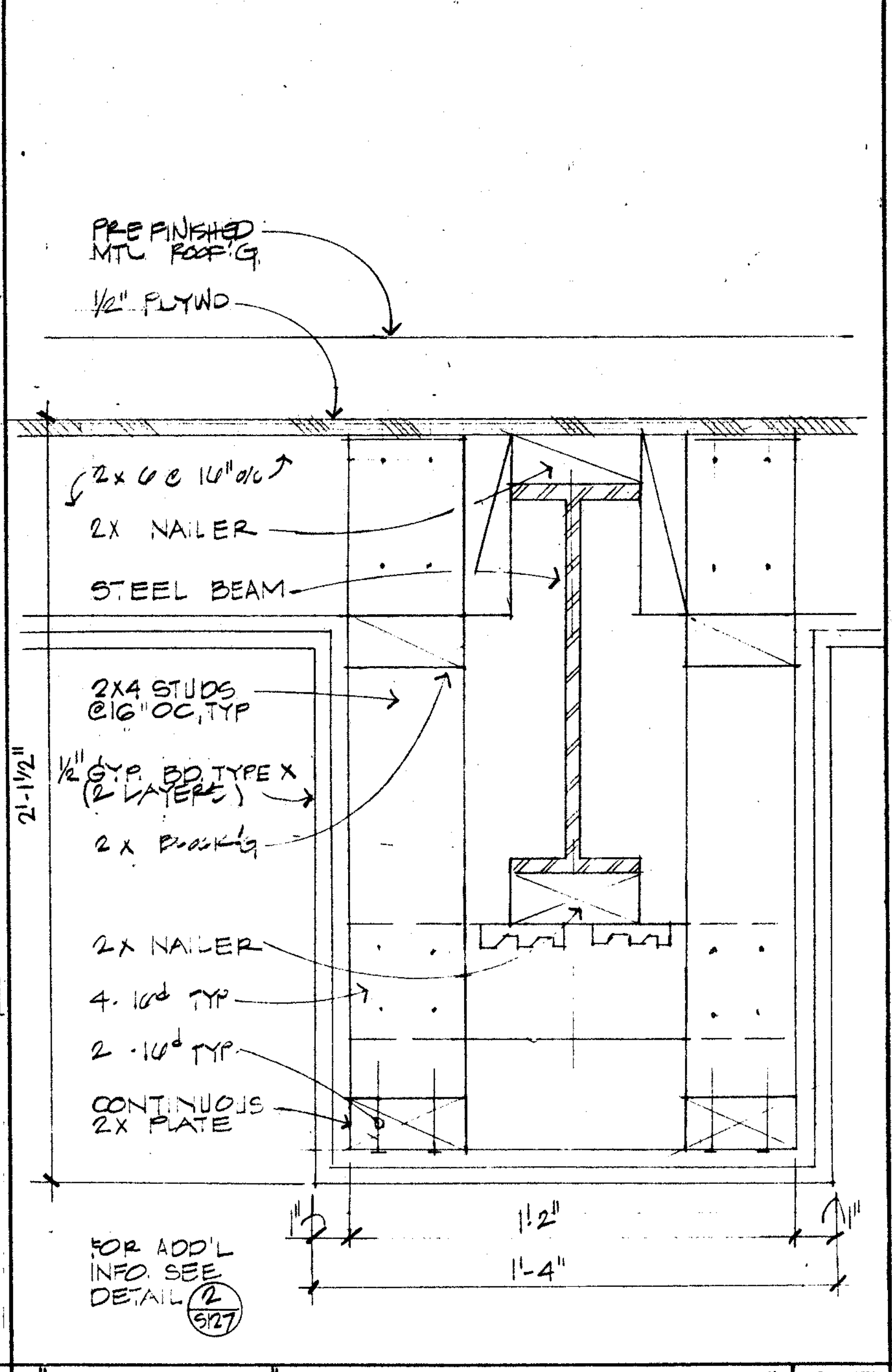
"SKYROOF" @ PARAPET 3" **13**


CONC. BLK. WALL
TYP. REGLET FLASHING
24 GA. G.I. COUNTERFLASHING
PREFORMED EXPANSION JOINT COVER
STEEL BEAM REFER TO STRUCTURAL FRAMING PLAN
PREFINISHED METAL ROOFING OVER 1/2" PLYWOOD SHEATHING
SLOPING 2X6 @ 16" O.C., TYP. REFER TO STRUCTURAL FRAMING PLAN
1-HR RATED METAFLEX FIRE BARRIER AND CAULK
2 LAYERS OF 1/2" TYPE 'X' GYP BD, TYP.
EXP. JOINT COVER
4" NTS
5" NTS
CLR.
11"
2'-1 1/2"

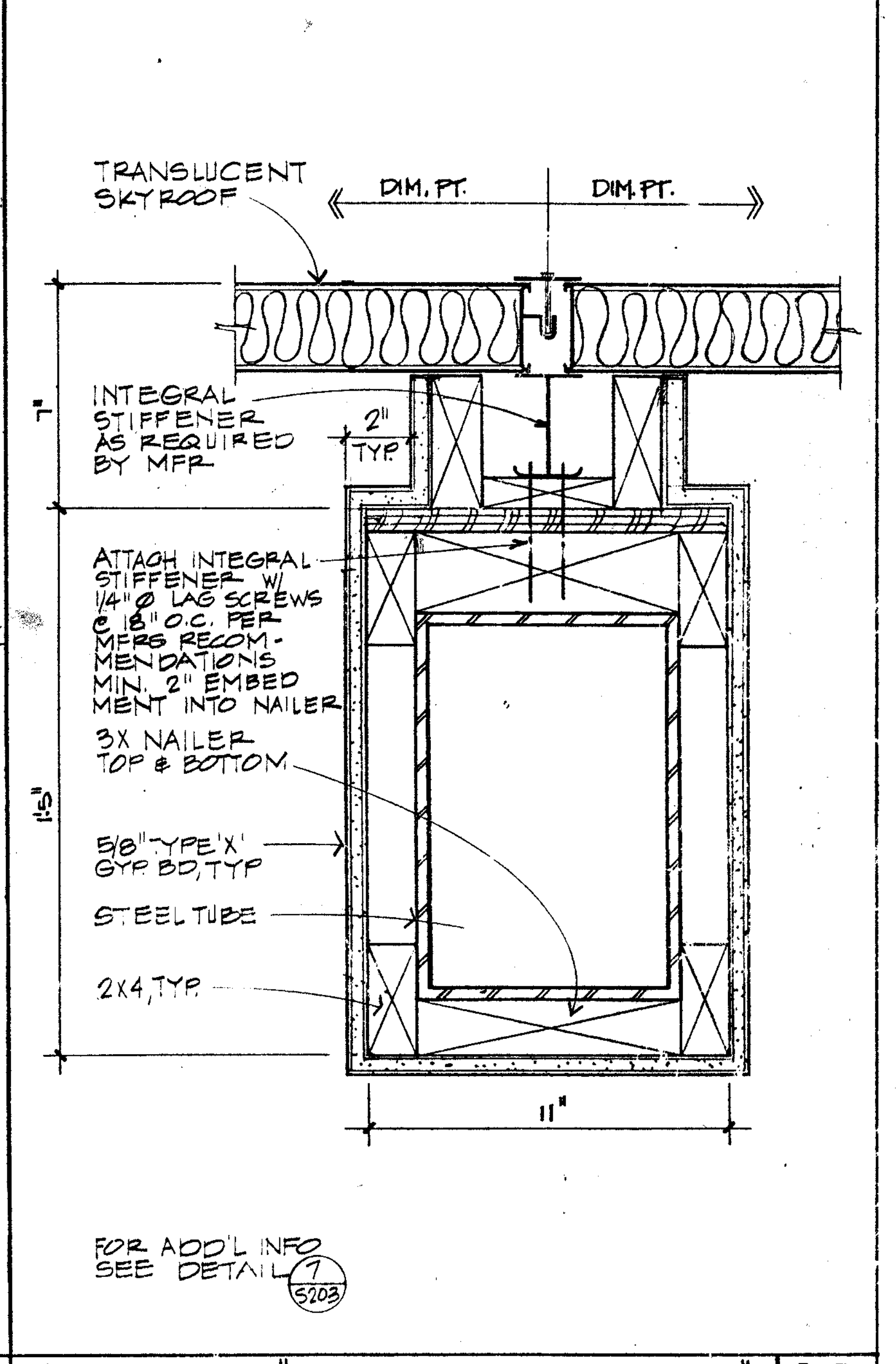
"SKYROOF" @ EXPANSION JOINT 3" **15**


W.P. PAPER
CONCRETE BLOCK VENEER
TYP. REGLET FLASHING
24 GA. G.I. COUNTERFLASHING
INTEGRAL STIFFENER AS REQUIRED BY SKYROOF MFR.
TRANSLUCENT SKYROOF
1" MIN. - VARIES W/ ROOF SLOPE
1/2"
7"
2"
5/8" TYPE 'X' GYP BD, TYP.
STEEL TUBE
7 1/2"
7"
2 3/4"
DIM. PT.
FOR ADD'L INFO. SEE DETAIL (13/S203) & (18/–)

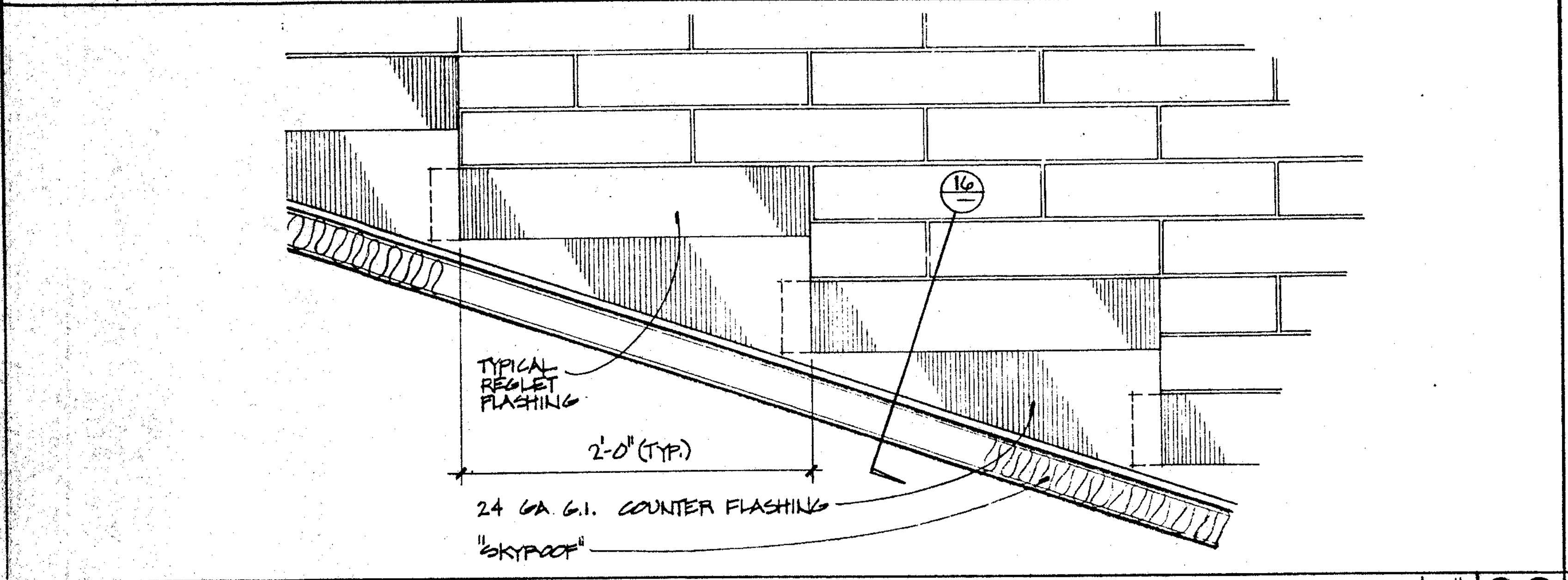
"SKYROOF" @ RAKE 3' **16**


PREFINISHED MTL ROOF'G
1/2" PLYWD
2 x 6 @ 16" o/c
2X NAILER
STEEL BEAM
2X4 STUDS @16" OC, TYP
1/2" GYP. BD. TYPE X (2 LAYERS)
2 x Block'g
2X NAILER
4 - 16d TYP
2 - 16d TYP
CONTINUOUS 2X PLATE
2'-1 1/2"
1 1/2"
1'2"
1"
1'-4"
FOR ADD'L INFO. SEE DETAIL (2/S127)

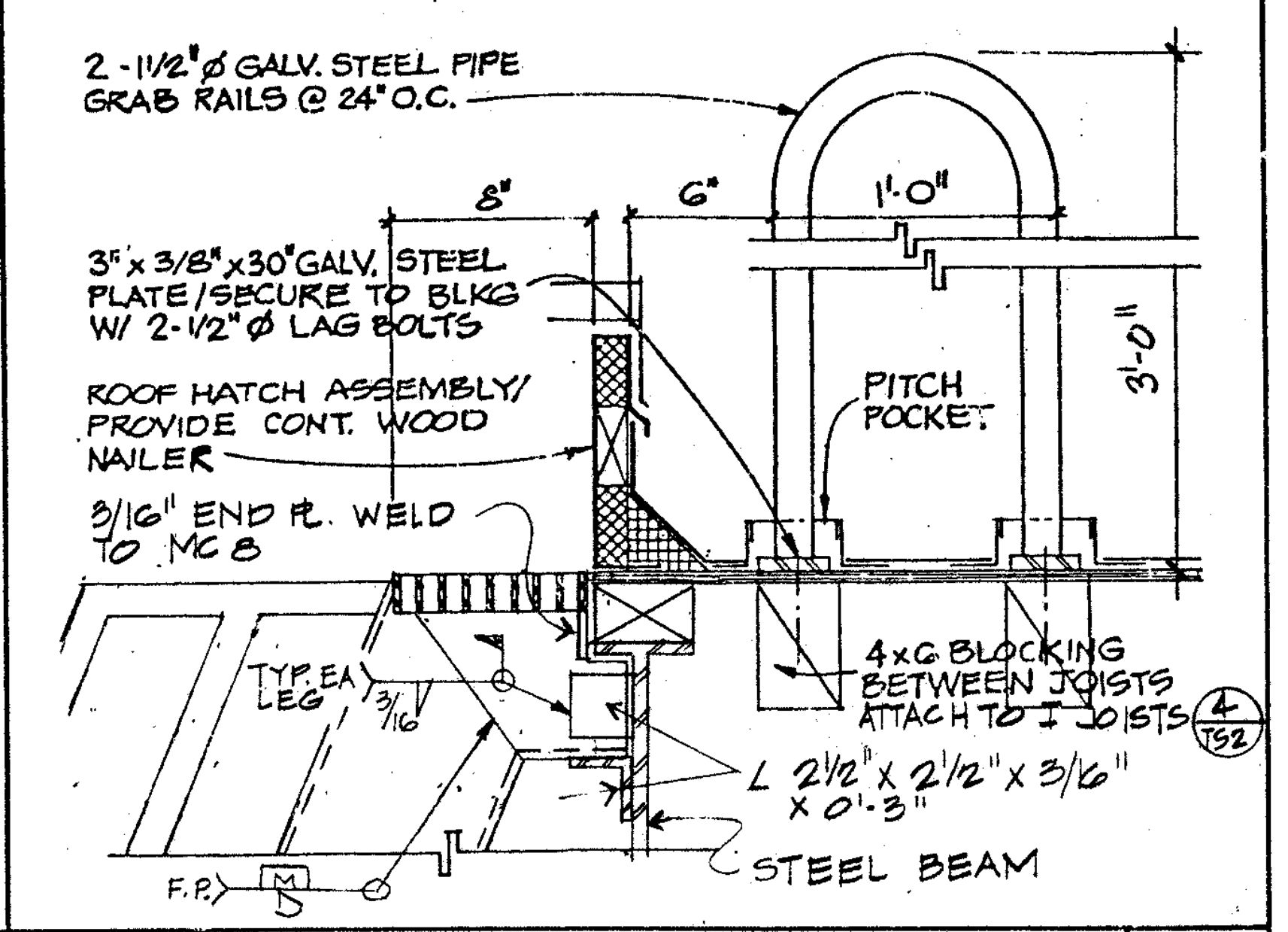
"SKYROOF" @ FURRED BEAM 3" **17**


TRANSLUCENT SKYROOF
DIM. PT.
DIM. PT.
7"
INTEGRAL STIFFENER AS REQUIRED BY MFR
2" TYP.
ATTACH INTEGRAL STIFFENER W/ 1/4" Ø LAG SCREWS @ 18" O.C. PER MFRS RECOMMENDATIONS MIN. 2" EMBEDMENT INTO NAILER
3X NAILER TOP & BOTTOM
1'5"
5/8" TYPE 'X' GYP BD, TYP
STEEL TUBE
2X4, TYP.
11"
FOR ADD'L INFO SEE DETAIL (7/S203)

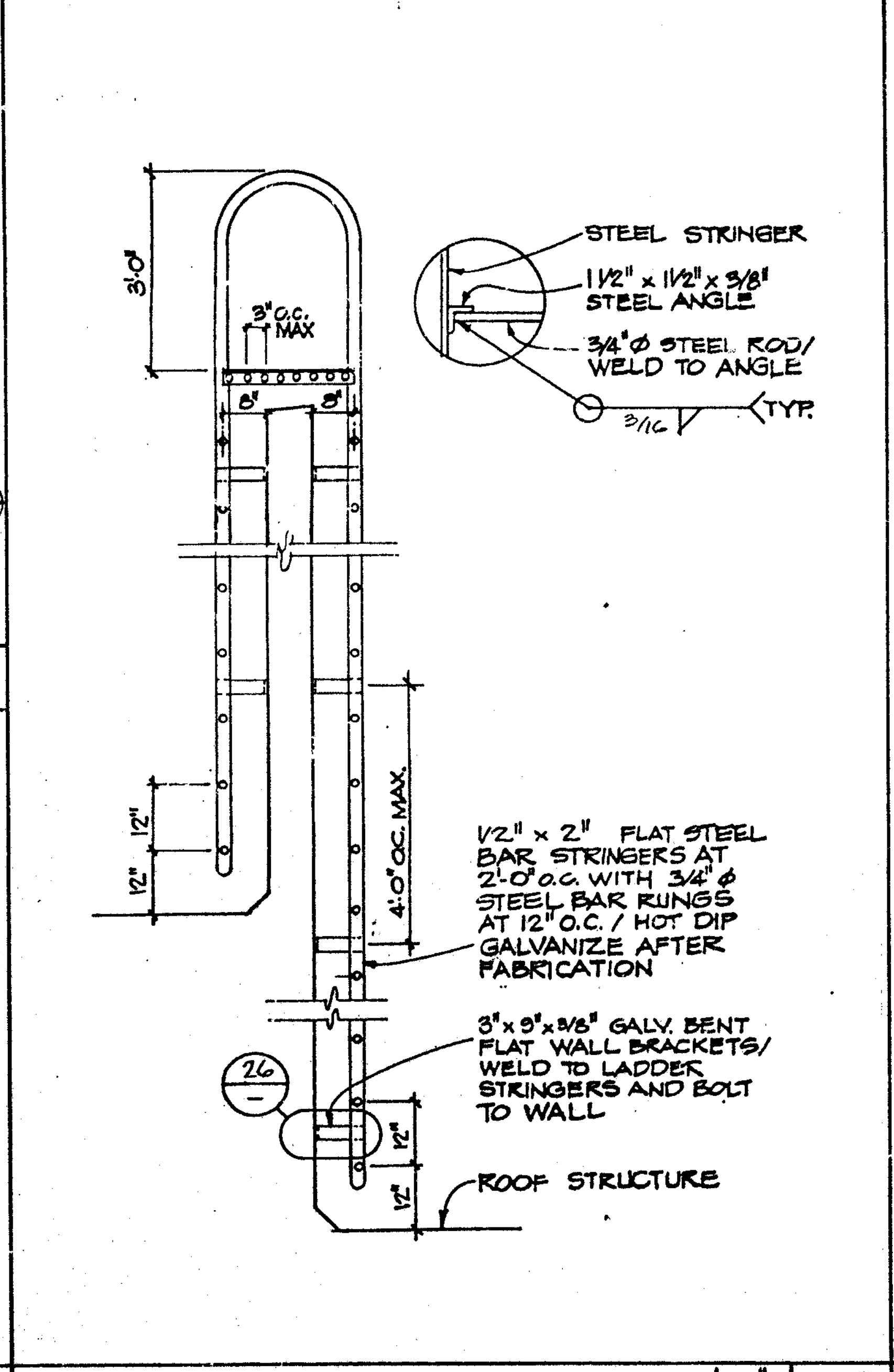
"SKYROOF" @ FURRED BEAM 3" **18**


(16/–)
TYPICAL REGLET FLASHING
2'-0" (TYP.)
24 GA. G.I. COUNTER FLASHING
"SKYROOF"

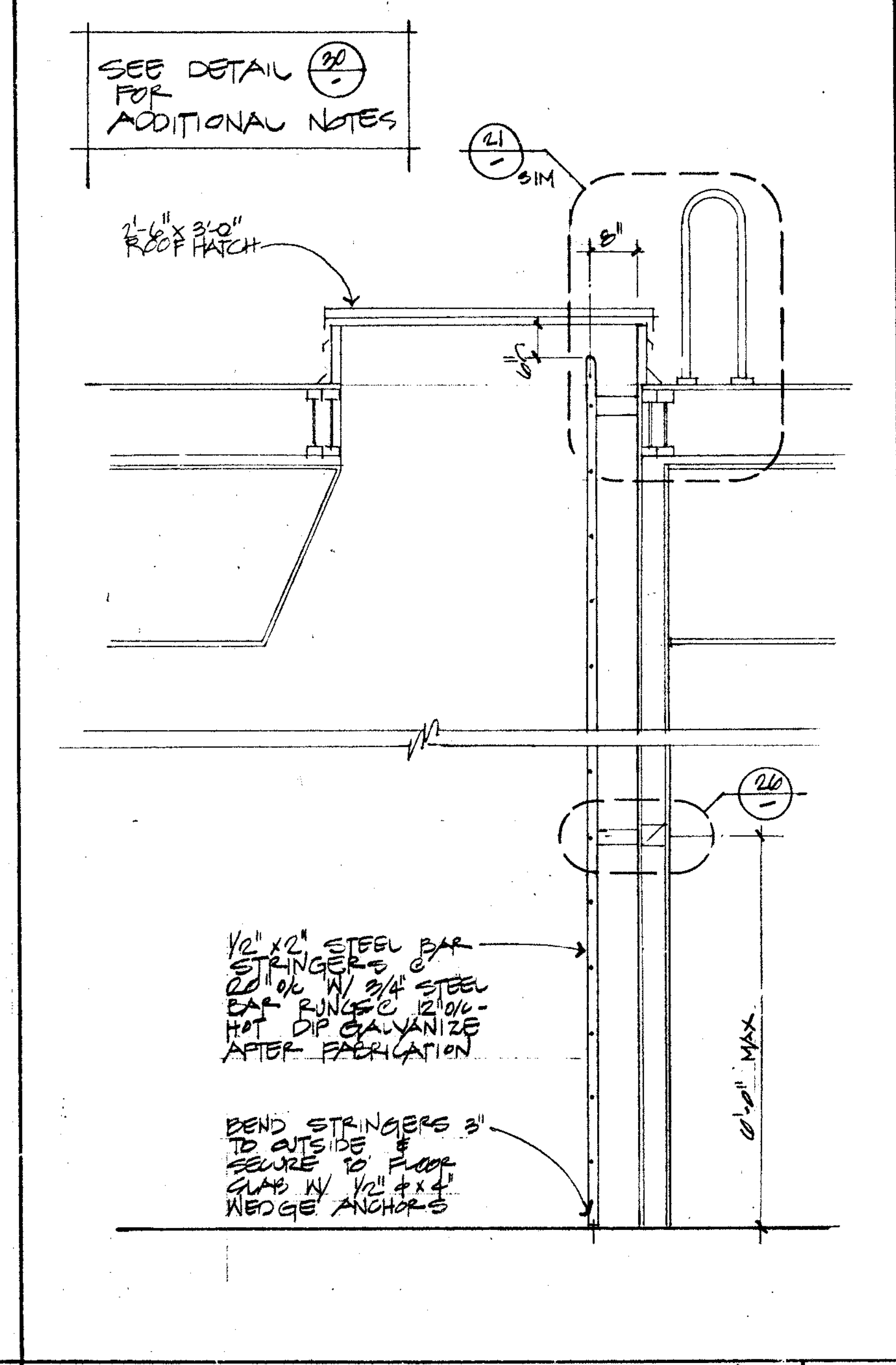
FLASHING @ ROOF RAKE 1 1/2" **20**


2 - 1 1/2" Ø GALV. STEEL PIPE GRAB RAILS @ 24" O.C.
8"
6"
1'-0"
3'-0"
3" x 3/8" x 30" GALV. STEEL PLATE/SECURE TO BLKG W/ 2-1/2" Ø LAG BOLTS
ROOF HATCH ASSEMBLY/ PROVIDE CONT. WOOD NAILER
PITCH POCKET
3/16" END PL. WELD TO MC 8
TYP. EA LEG
3/16
4x6 BLOCKING BETWEEN JOISTS ATTACH TO I JOISTS (4/T52)
L 2 1/2" x 2 1/2" x 3/16" x 0'-3"
STEEL BEAM
F.P.
M

ROOF HATCH & GRAB RAILS 1 1/2" **21**

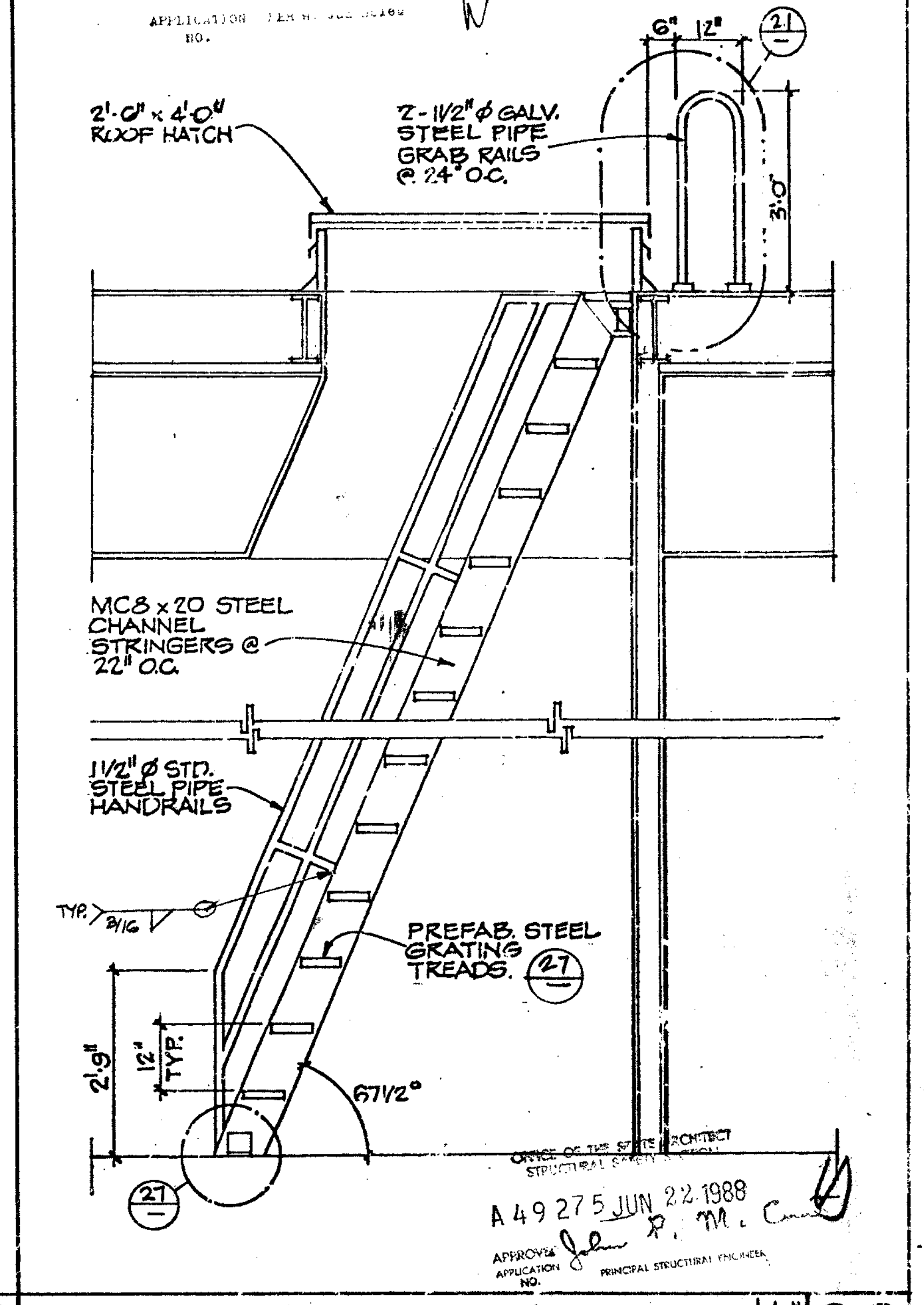

3'-0"
3" O.C. MAX
8"
8"
STEEL STRINGER
1 1/2" x 1 1/2" x 3/8" STEEL ANGLE
3/4" Ø STEEL ROD/ WELD TO ANGLE
3/16
TYP.
12"
12"
4'-0" O.C. MAX.
1/2" x 2" FLAT STEEL BAR STRINGERS AT 2'-0" O.C. WITH 3/4" Ø STEEL BAR RUNGS AT 12" O.C. / HOT DIP GALVANIZE AFTER FABRICATION
3" x 9" x 3/8" GALV. BENT FLAT WALL BRACKETS/ WELD TO LADDER STRINGERS AND BOLT TO WALL
(26/–)
12"
12"
ROOF STRUCTURE

PARAPET LADDER 1/2" **28**


SEE DETAIL (30/–) FOR ADDITIONAL NOTES
(21/–) SIM
2'-6" x 3'-0" ROOF HATCH
8"
6"
(26/–)
1/2" x 2" STEEL BAR STRINGERS @ 2'-0" o/c W/ 3/4" STEEL BAR RUNGS @ 12" o/c - HOT DIP GALVANIZE AFTER FABRICATION
6'-0" MAX.
BEND STRINGERS 3" TO OUTSIDE & SECURE TO FLOOR SLAB W/ 1/2" Ø x 4" WEDGE ANCHORS

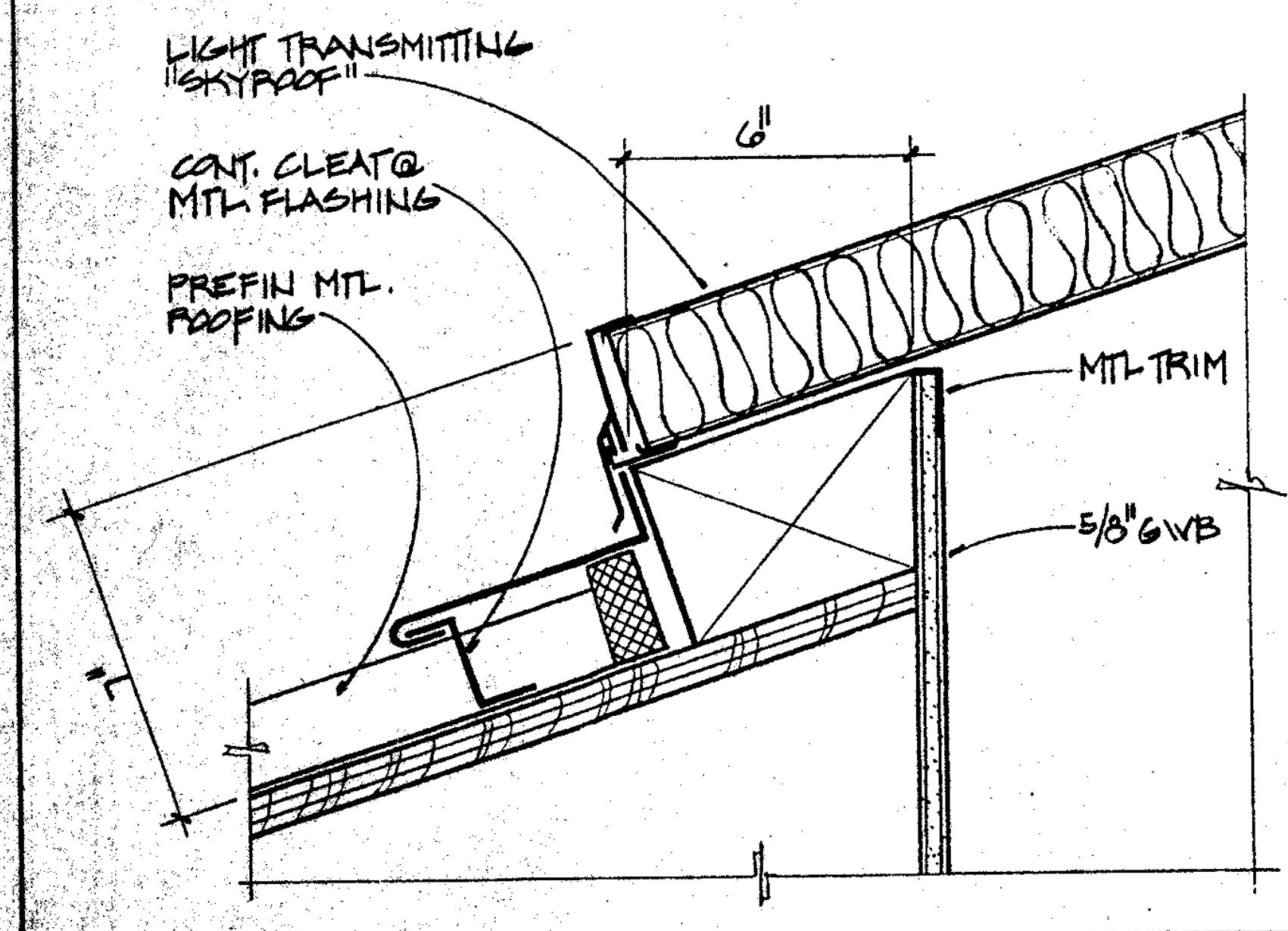
ROOF ACCESS LADDER 1/2" **29**

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88
APPLICATION [illegible]
NO.

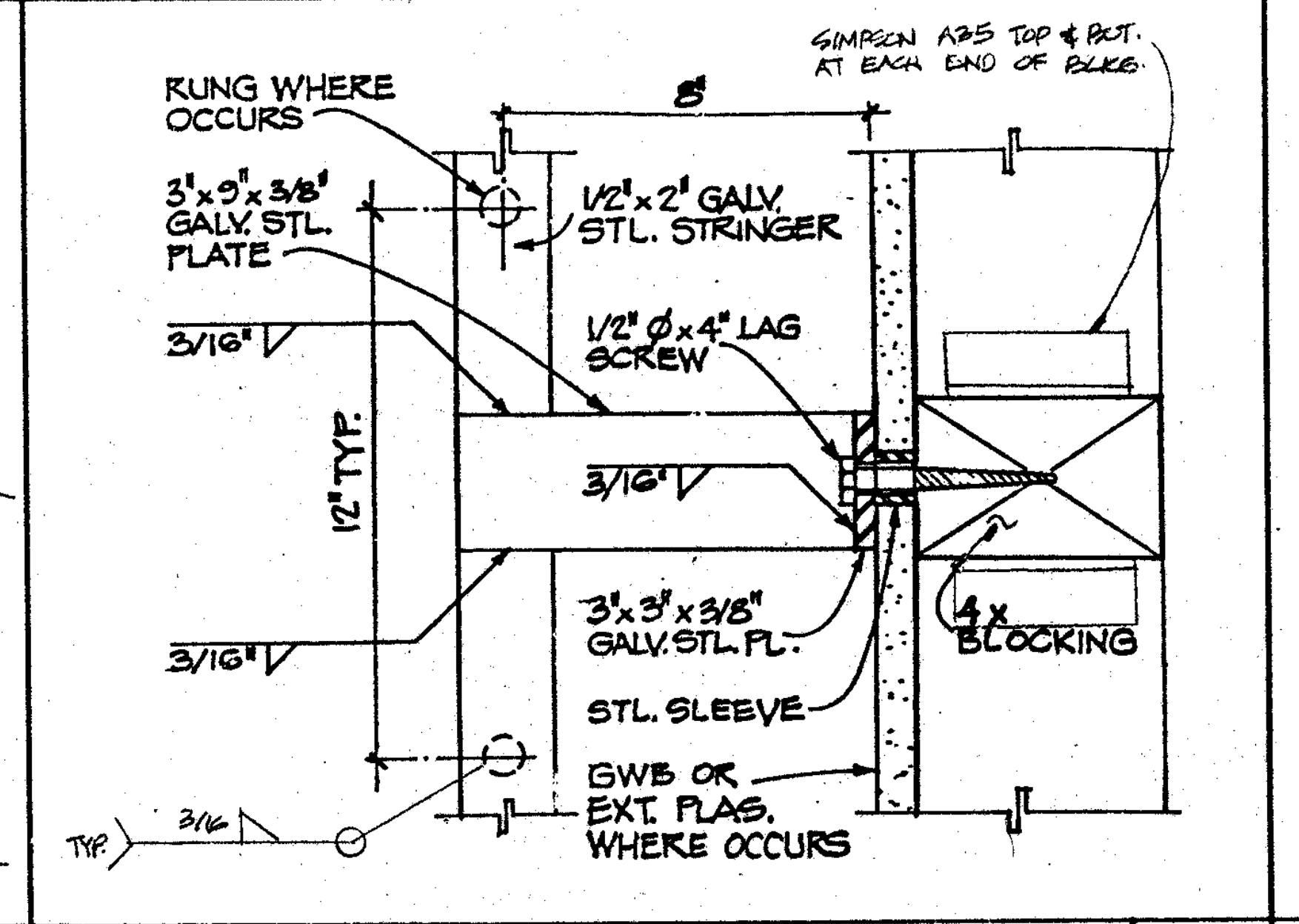

2'-0" x 4'-0" ROOF HATCH
2 - 1 1/2" Ø GALV. STEEL PIPE GRAB RAILS @ 24" O.C.
6"
12"
(21/–)
3'-0"
MC8 x 20 STEEL CHANNEL STRINGERS @ 22" O.C.
1 1/2" Ø STD. STEEL PIPE HANDRAILS
TYP. 3/16
PREFAB. STEEL GRATING TREADS. (27/–)
2'-9"
12" TYP.
67 1/2°
(27/–)

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPROVED
APPLICATION NO.
PRINCIPAL STRUCTURAL ENGINEER

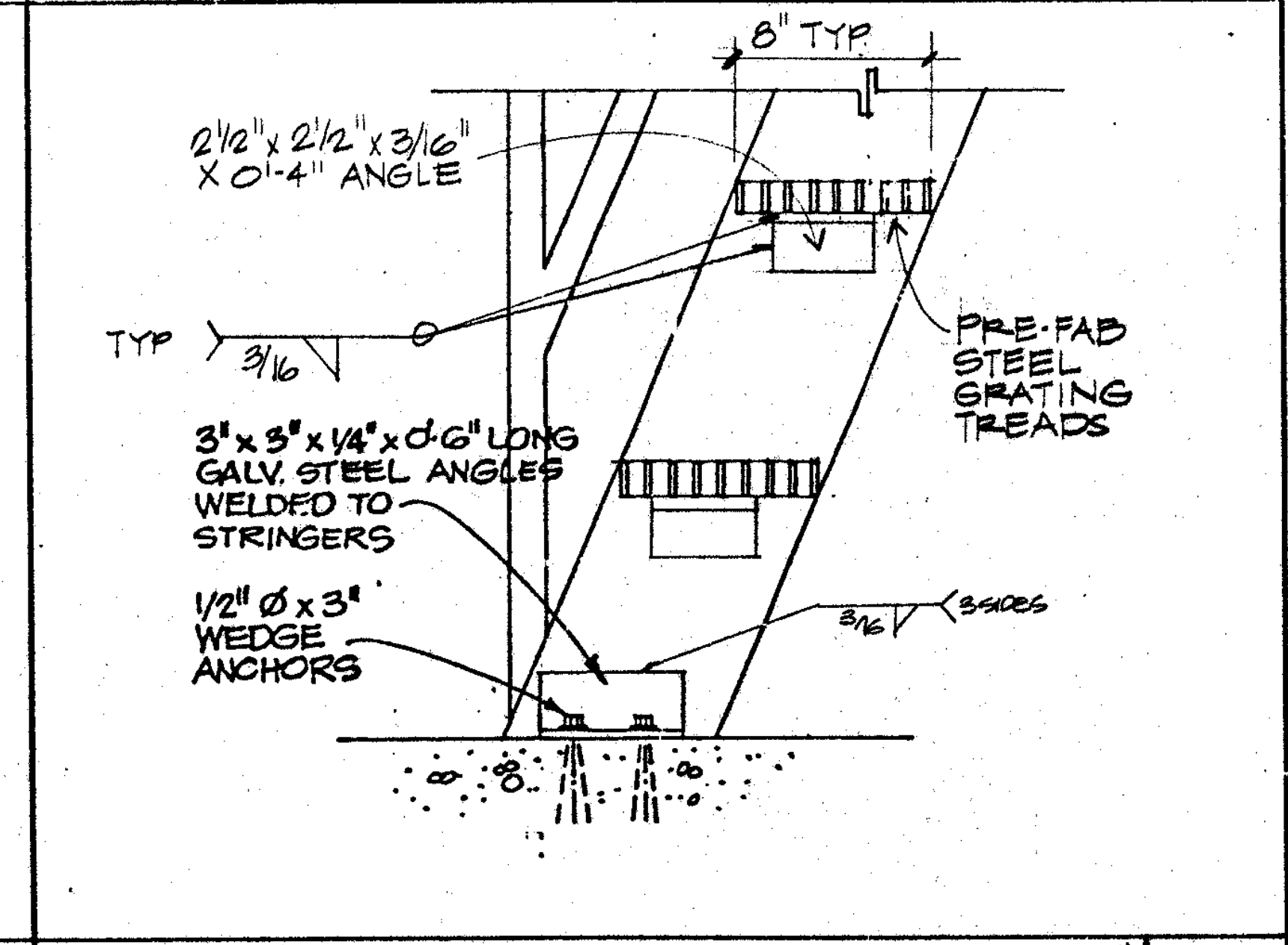
ROOF ACCESS ASSEMBLY 1/2" **30**


LIGHT TRANSMITTING "SKYROOF"
CONT. CLEAT @ MTL FLASHING
PREFIN MTL. ROOFING
6"
MTL TRIM
5/8" GWB
1"

"SKYROOF" @ METAL ROOF 3" **25**


SIMPSON A35 TOP & BOT. AT EACH END OF BLKG.
RUNG WHERE OCCURS
8"
3" x 9" x 3/8" GALV. STL. PLATE
1/2" x 2" GALV. STL. STRINGER
3/16"
1/2" Ø x 4" LAG SCREW
12" TYP.
3/16"
3/16"
3" x 3" x 3/8" GALV. STL. PL.
4x BLOCKING
STL. SLEEVE
GWB OR EXT. PLAS. WHERE OCCURS
TYP. 3/16

LADDER BRACKET 3" **26**


8" TYP.
2 1/2" x 2 1/2" x 3/16" x 0'-4" ANGLE
TYP 3/16
PRE-FAB STEEL GRATING TREADS
3" x 3" x 1/4" x 0'-6" LONG GALV. STEEL ANGLES WELDED TO STRINGERS
1/2" Ø x 3" WEDGE ANCHORS
3/16 3 SIDES

LADDER ANCHORAGE 1 1/2" **27**

Drawn By
Checked By
Date
Commission No.

Revisions

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5751 Palmer Way, Suite C
Carlsbad, CA 92008-1985
619/438-3899

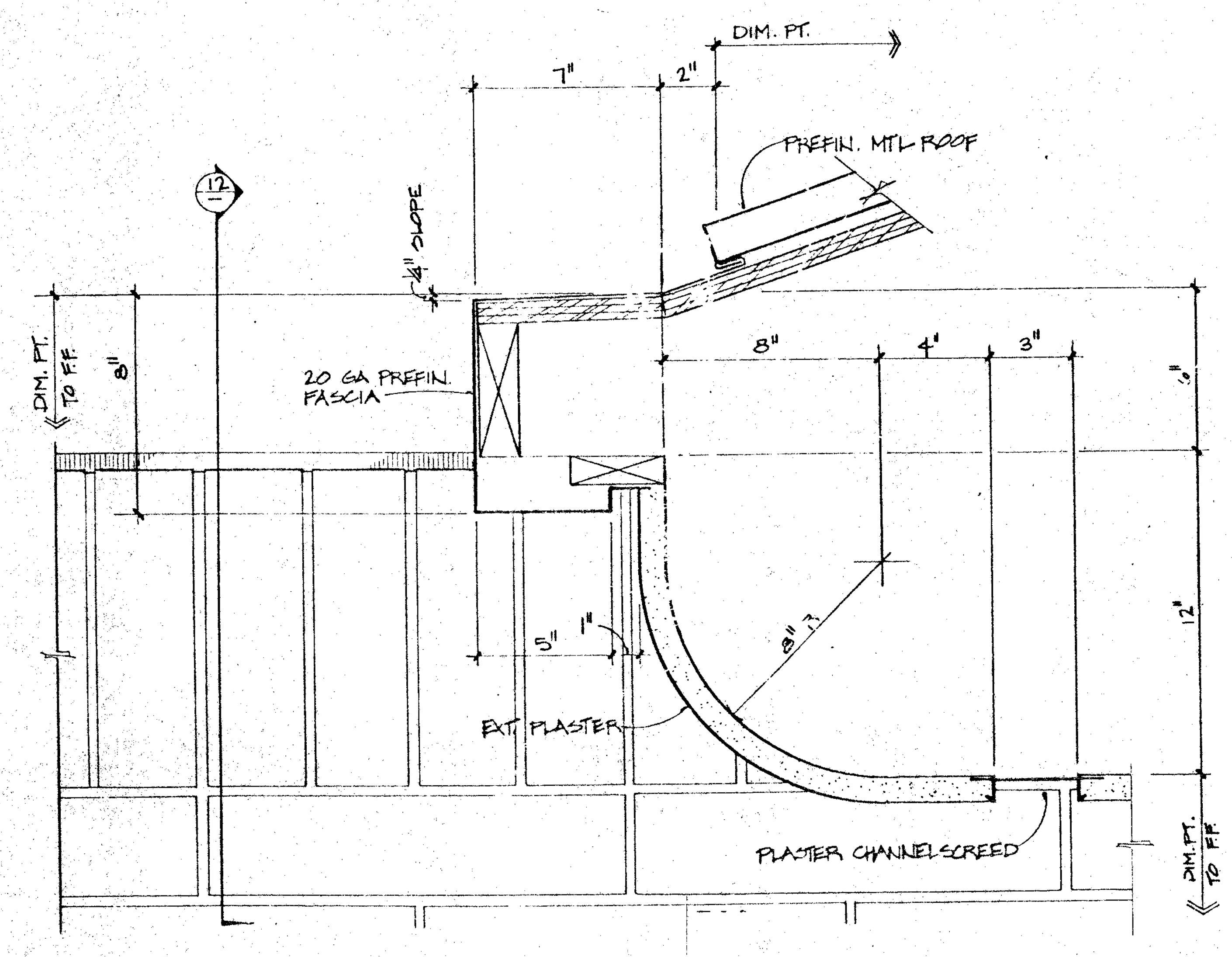
ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

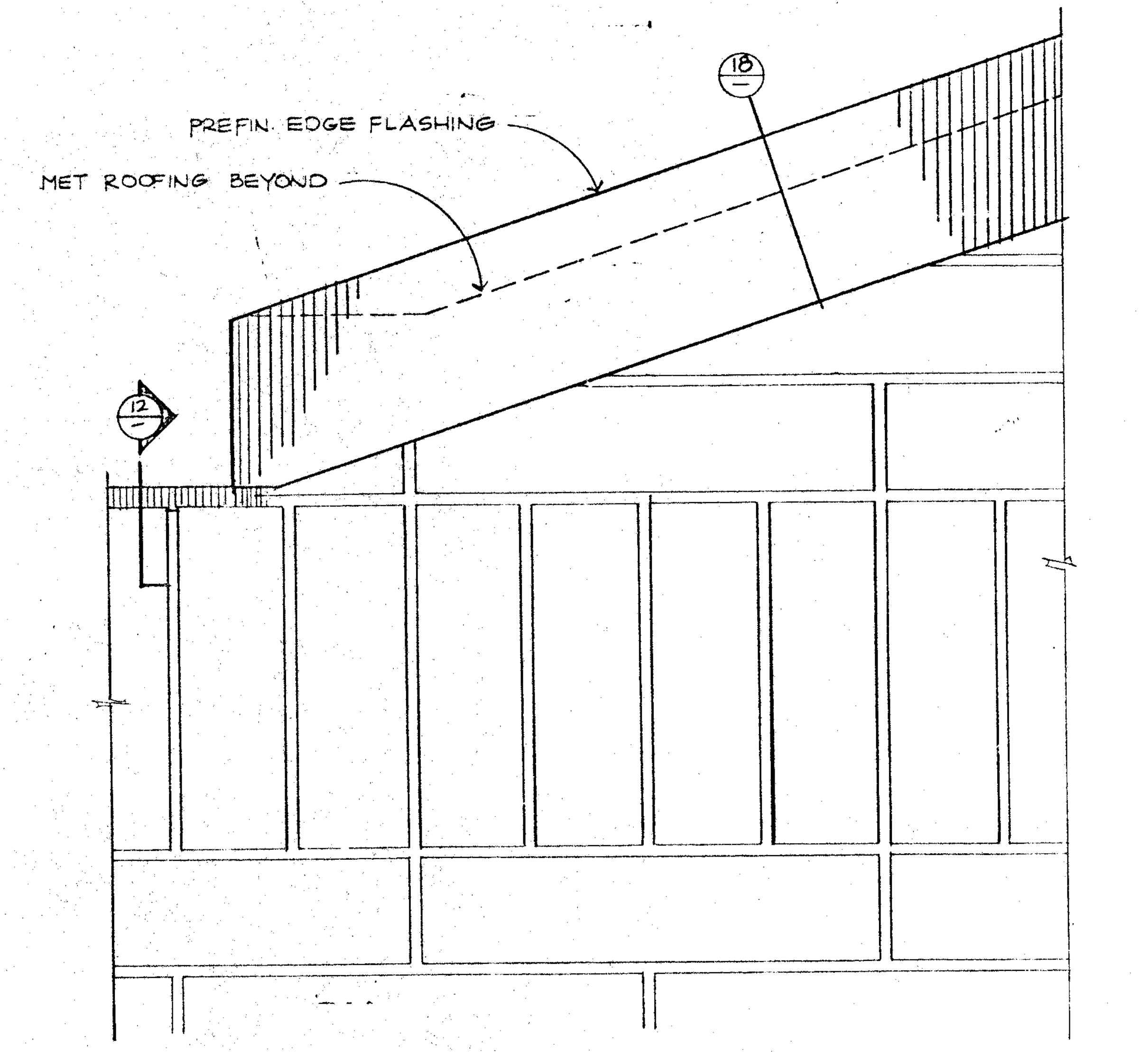
Roof Details

APPROVED
FIRE AND PANIC ONLY
JUN 20 1988
BJ
STATE FIRE MARSHAL
SOUTHERN REGION

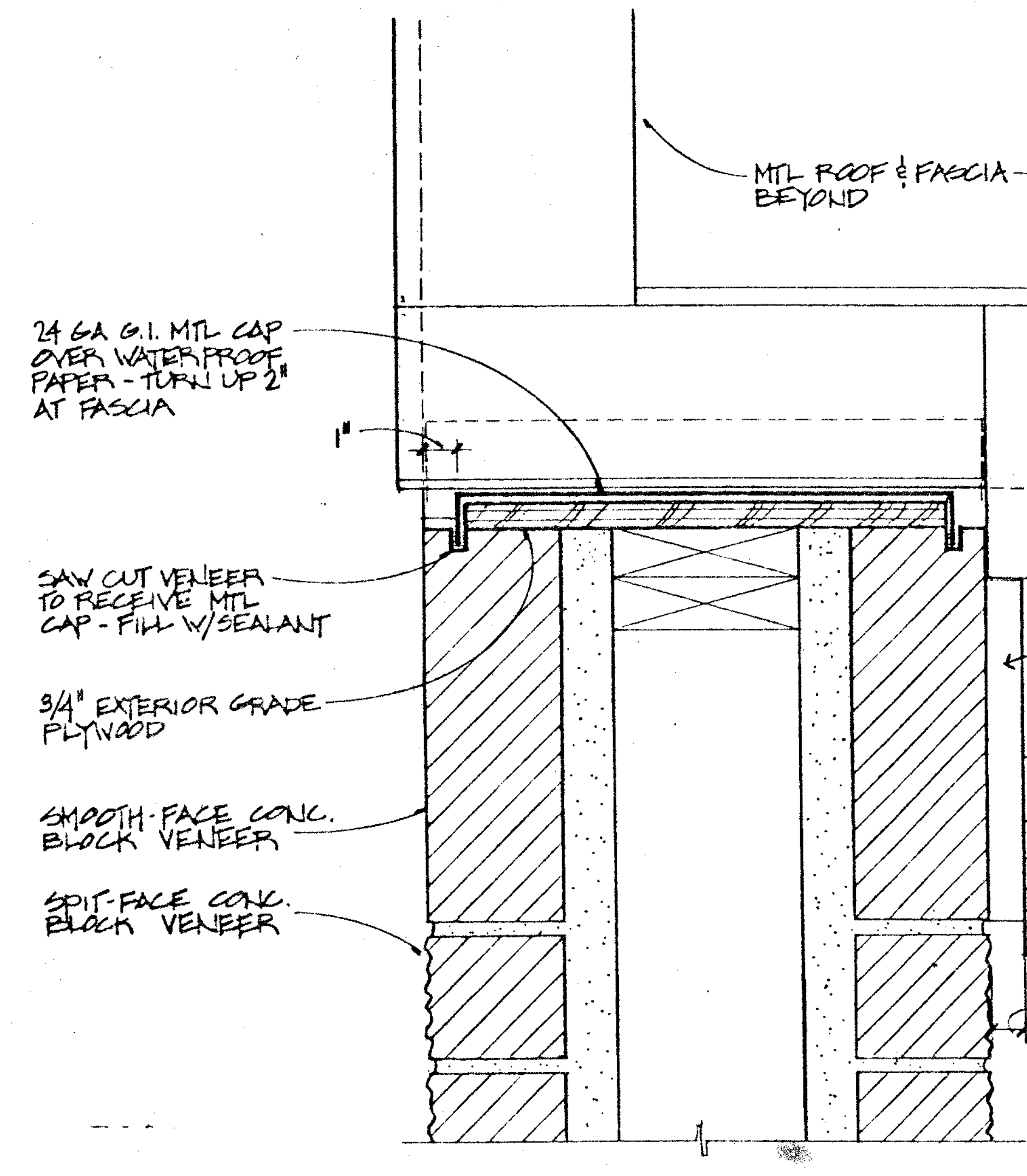
Sheet Number
TD-10
Of Sheets


DIM. PT.
7"
2"
PREFIN. MTL ROOF
12
¼" SLOPE
DIM. PT. TO F.F.
8"
20 GA PREFIN. FASCIA
8"
4"
3"
6"
5"
1"
8" R
12"
EXT. PLASTER
PLASTER CHANNEL SCREED
DIM. PT. TO F.F.

EAVE DETAIL 3" **8**

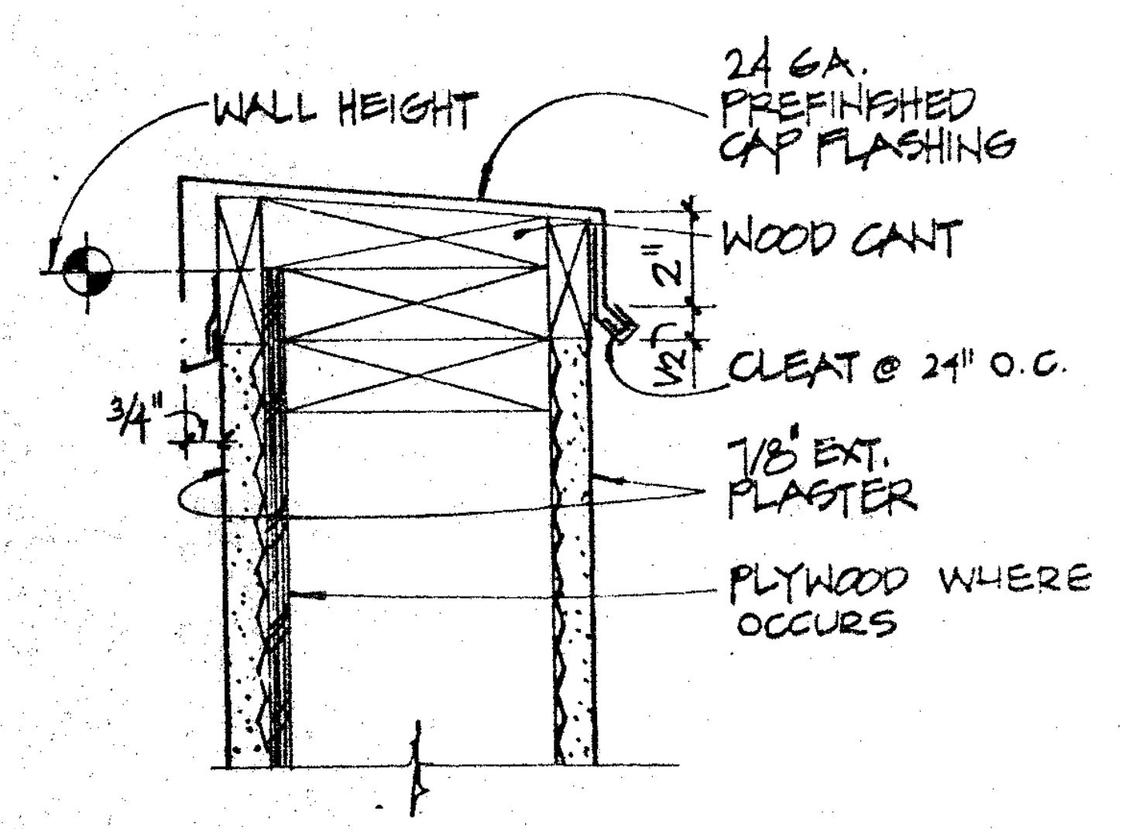

PREFIN. EDGE FLASHING
MET ROOFING BEYOND
18
12

EDGE FLASHING @ WALL 3" **10**


MTL ROOF & FASCIA BEYOND
24 GA G.I. MTL CAP OVER WATERPROOF PAPER - TURN UP 2" AT FASCIA
1"
SAW CUT VENEER TO RECEIVE MTL CAP - FILL W/SEALANT
3/4" EXTERIOR GRADE PLYWOOD
SMOOTH-FACE CONC. BLOCK VENEER
SPIT-FACE CONC. BLOCK VENEER
MET REVEAL TRIM
3/4"

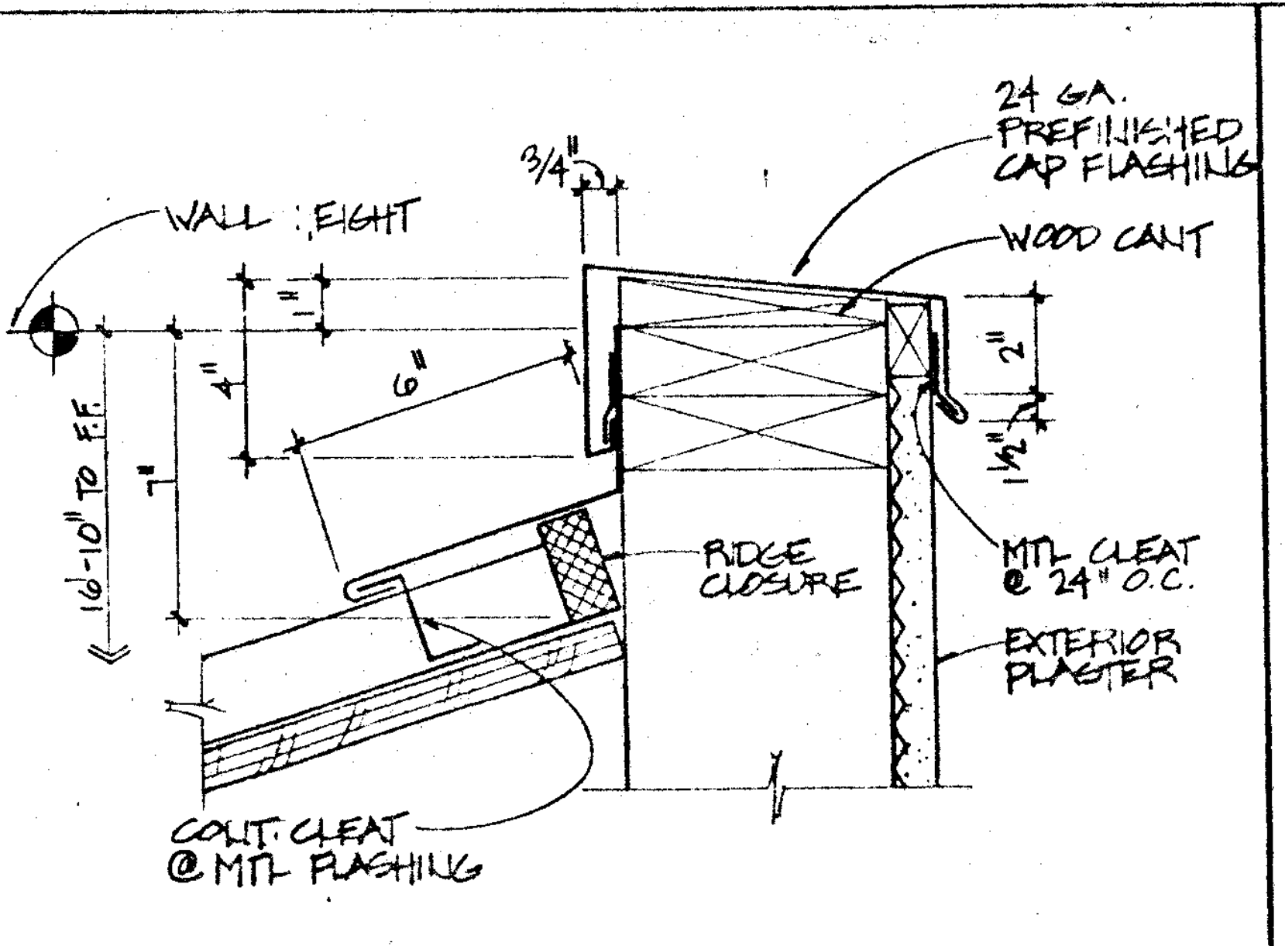
4927 ... 4 '88

COLUMN SECTION 3" **12**

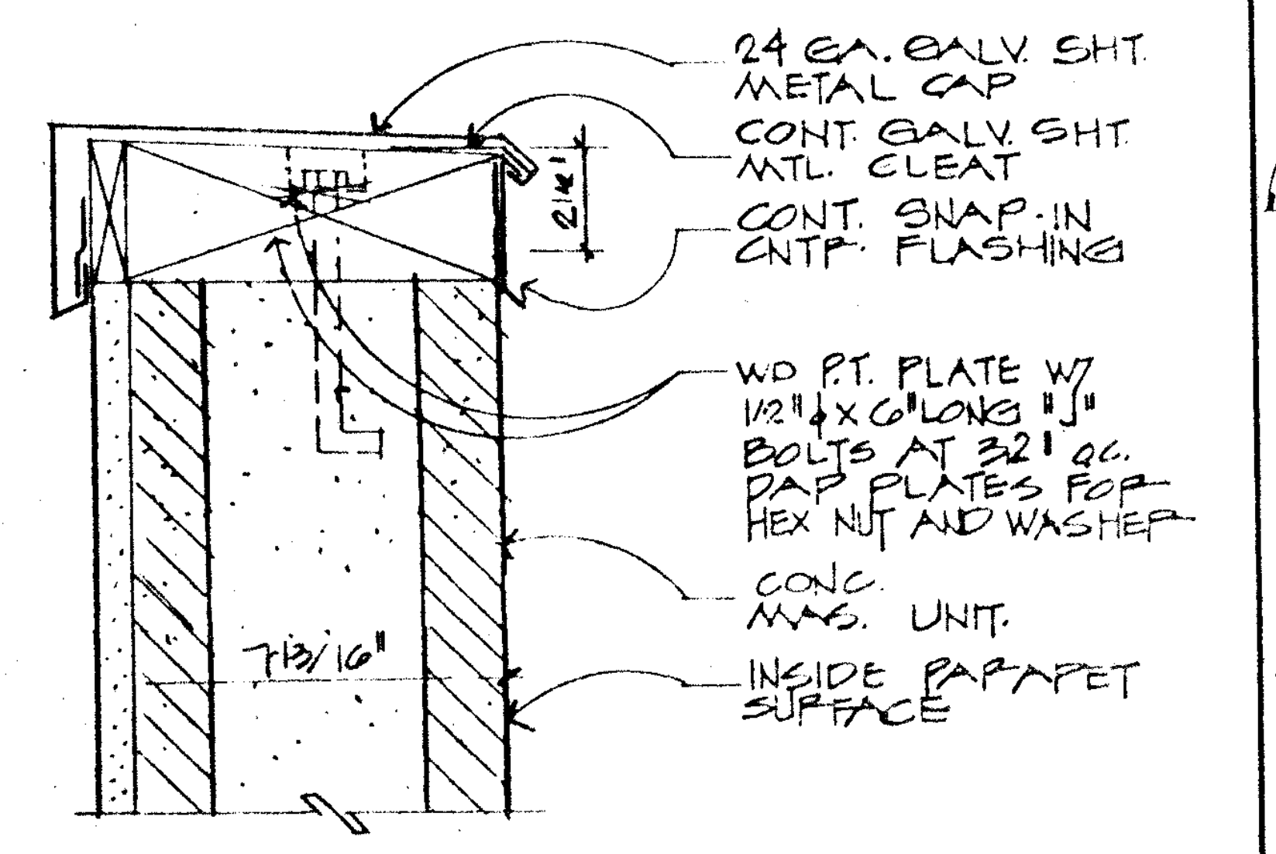

WALL HEIGHT
24 GA. PREFINISHED CAP FLASHING
WOOD CANT
2"
1/2"
CLEAT @ 24" O.C.
3/4"
7/8" EXT. PLASTER
PLYWOOD WHERE OCCURS

WALL CAP @ WOOD STUDS 3" **13**

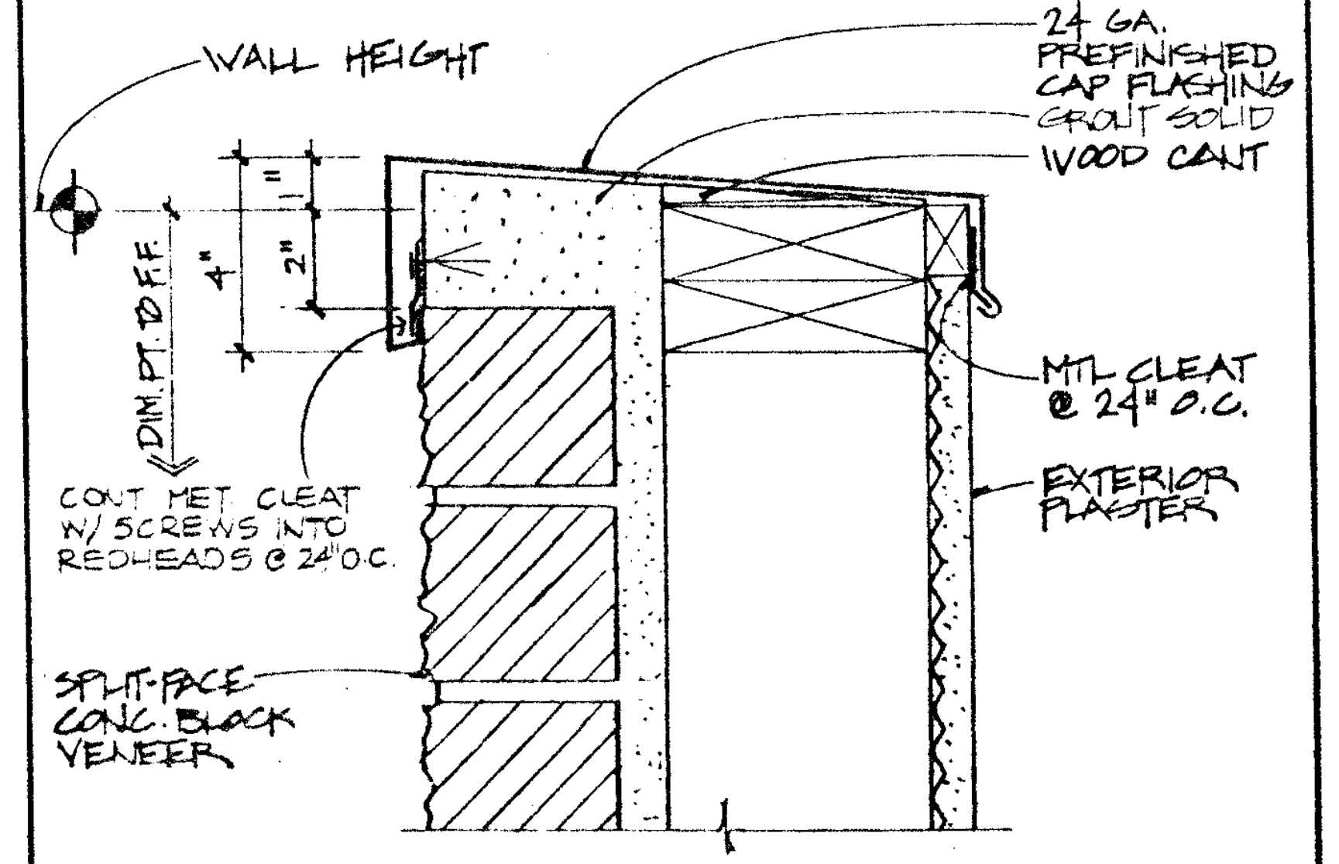
14


WALL HEIGHT
3/4"
24 GA. PREFINISHED CAP FLASHING
WOOD CANT
16'-10" TO F.F.
4"
6"
7"
2"
1½"
RIDGE CLOSURE
MTL CLEAT @ 24" O.C.
EXTERIOR PLASTER
CONT. CLEAT @ MTL FLASHING

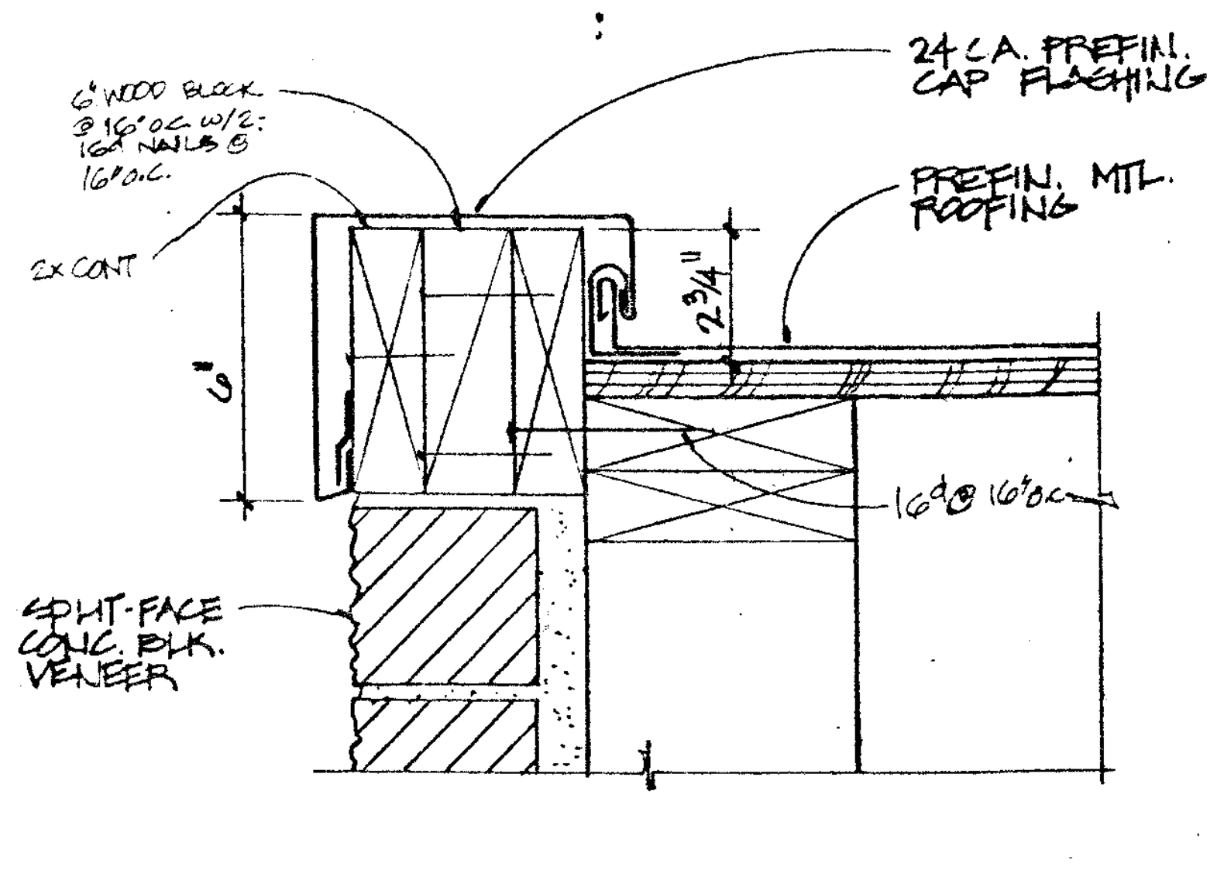
WALL CAP @ METAL ROOF 3" **15**


24 GA. GALV. SHT. METAL CAP
CONT. GALV. SHT. MTL. CLEAT
CONT. SNAP-IN CNTR. FLASHING
2¼"
WD P.T. PLATE W/ 1/2"ϕ x 6" LONG "J" BOLTS AT 32" O.C. DAP PLATES FOR HEX NUT AND WASHER
CONC. MAS. UNIT.
INSIDE PARAPET SURFACE
7 13/16"

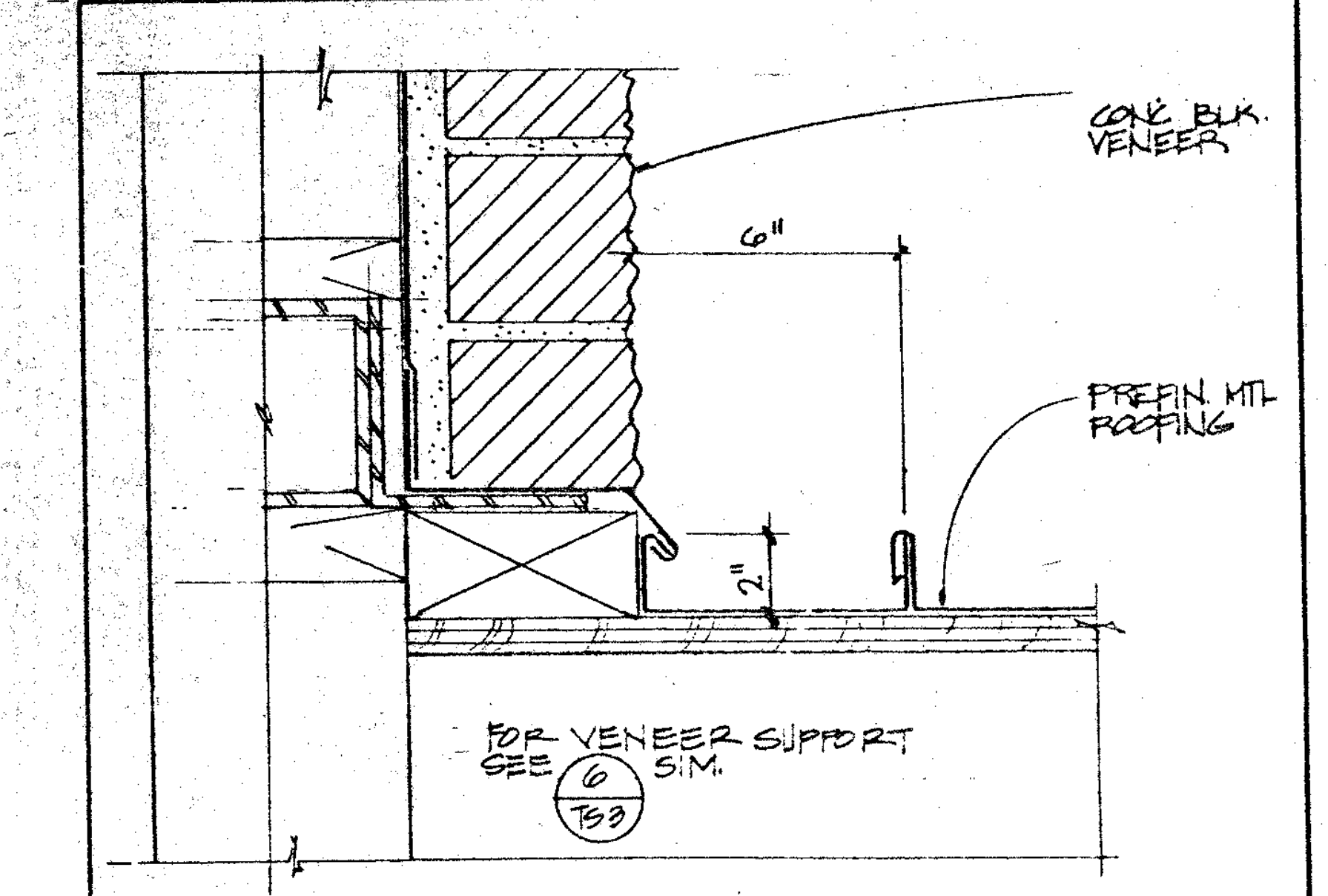
WALL CAP @ BLOCK WALL 3" **16**


WALL HEIGHT
24 GA. PREFINISHED CAP FLASHING
GROUT SOLID
WOOD CANT
DIM. PT. TO F.F.
4"
2"
MTL CLEAT @ 24" O.C.
EXTERIOR PLASTER
CONT. MET. CLEAT W/ SCREWS INTO REDHEADS @ 24" O.C.
SPLIT-FACE CONC. BLOCK VENEER

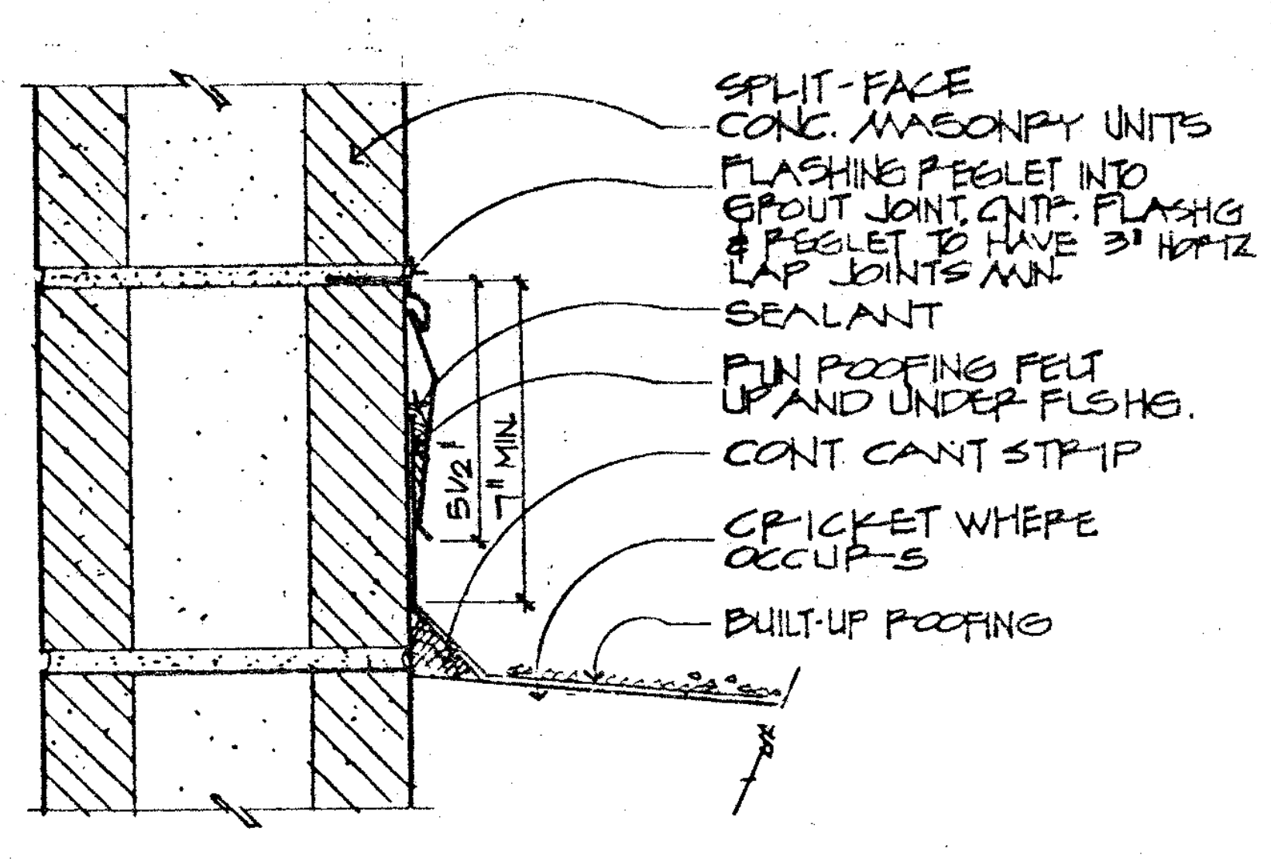
WALL CAP @ BLOCK VENEER 3" **17**


6" WOOD BLOCK @ 16" O.C. W/2-16d NAILS @ 16" O.C.
2x CONT.
24 GA. PREFIN. CAP FLASHING
PREFIN. MTL. ROOFING
2¾"
6"
16d @ 16" O.C.
SPLIT-FACE CONC. BLK. VENEER

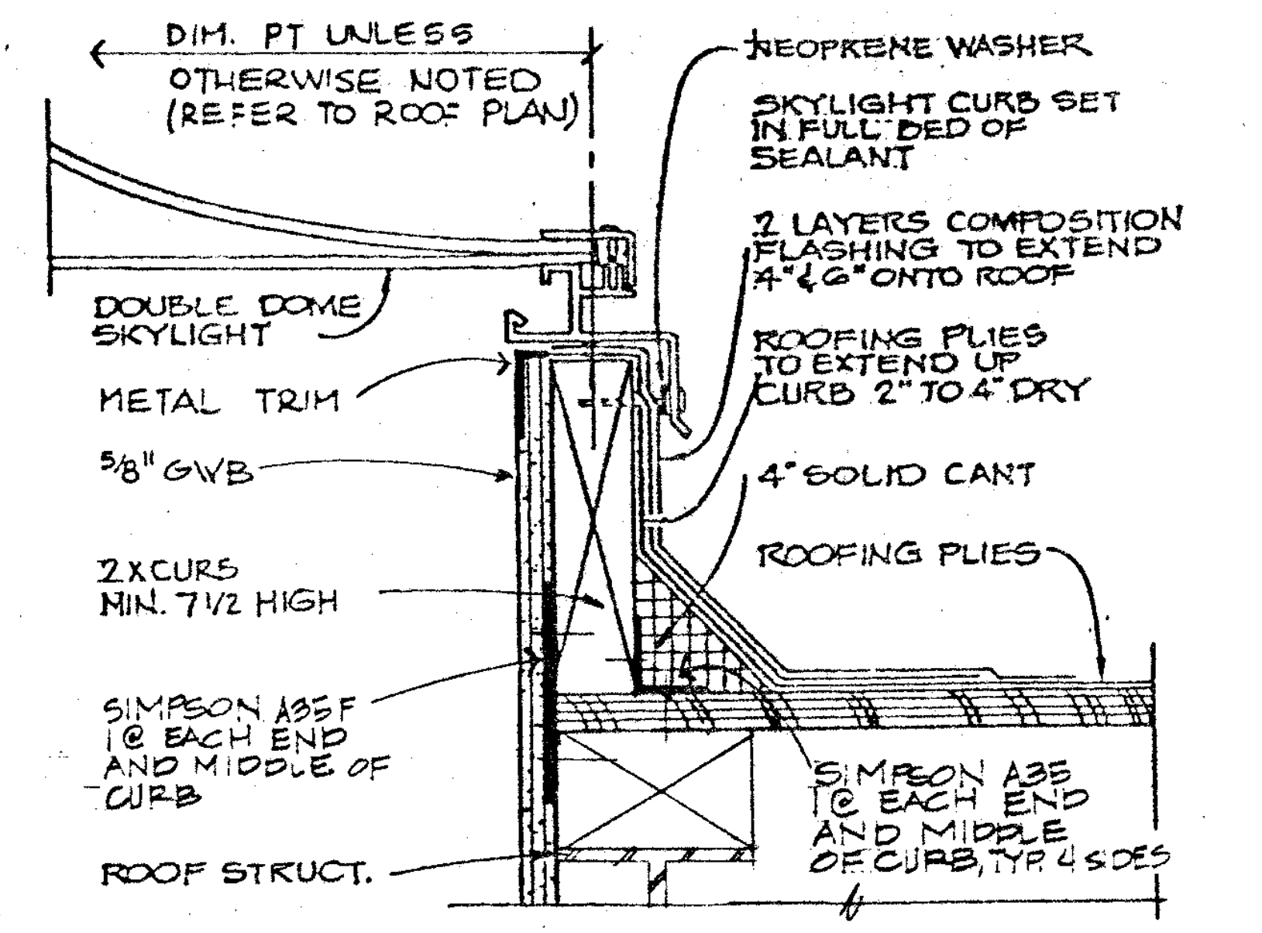
EDGE CAP 3' **18**


CONC. BLK. VENEER
6"
2"
PREFIN. MTL ROOFING
FOR VENEER SUPPORT SEE 6/TS3 SIM.

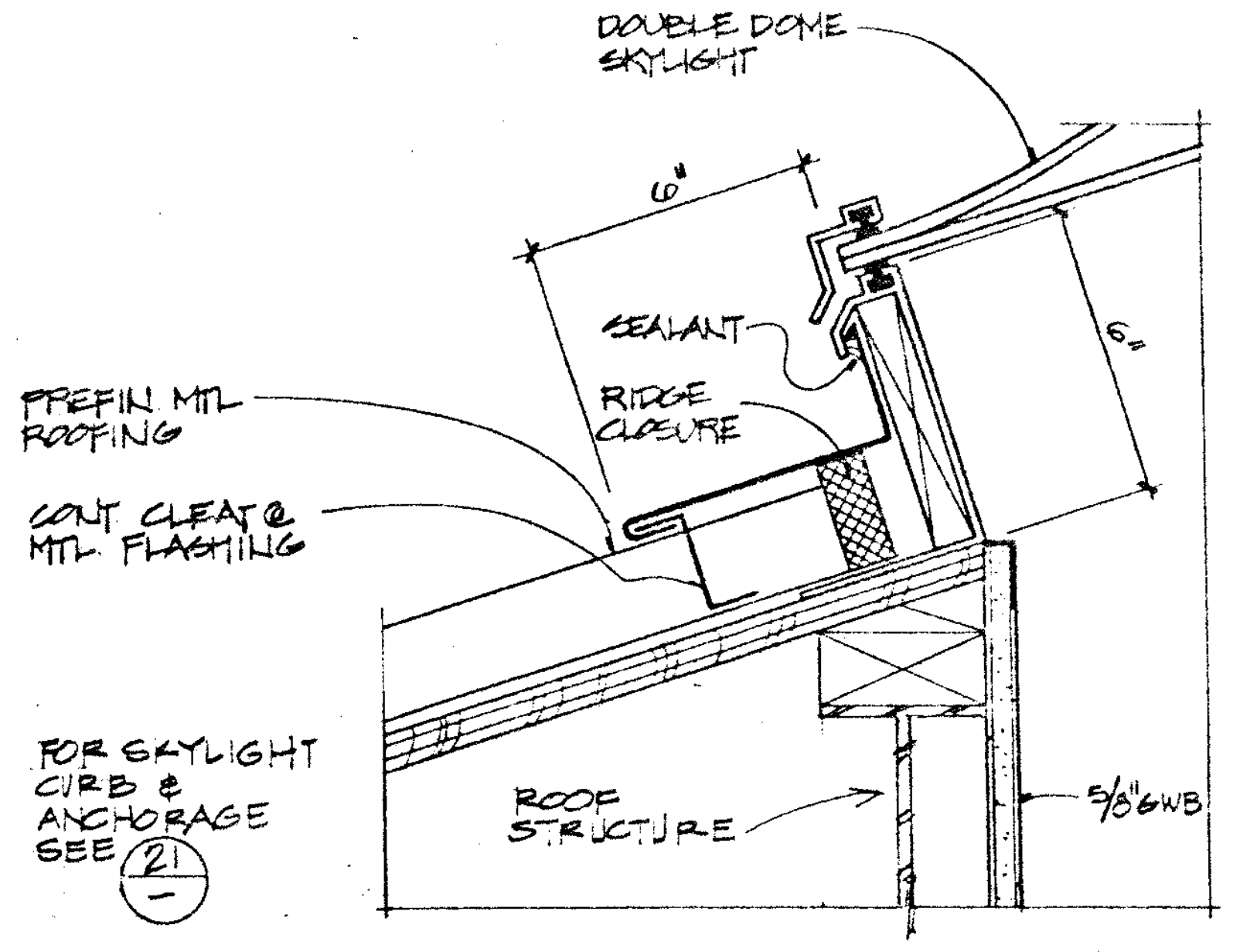
RAKE FLASHING 3" **19**


SPLIT-FACE CONC. MASONRY UNITS
FLASHING REGLET INTO GROUT JOINT. CNTR. FLASHG & REGLET TO HAVE 3" HORIZ LAP JOINTS MIN.
SEALANT
RUN ROOFING FELT UP AND UNDER FLSHG.
CONT. CANT STRIP
CRICKET WHERE OCCURS
BUILT-UP ROOFING
5½"
7" MIN.

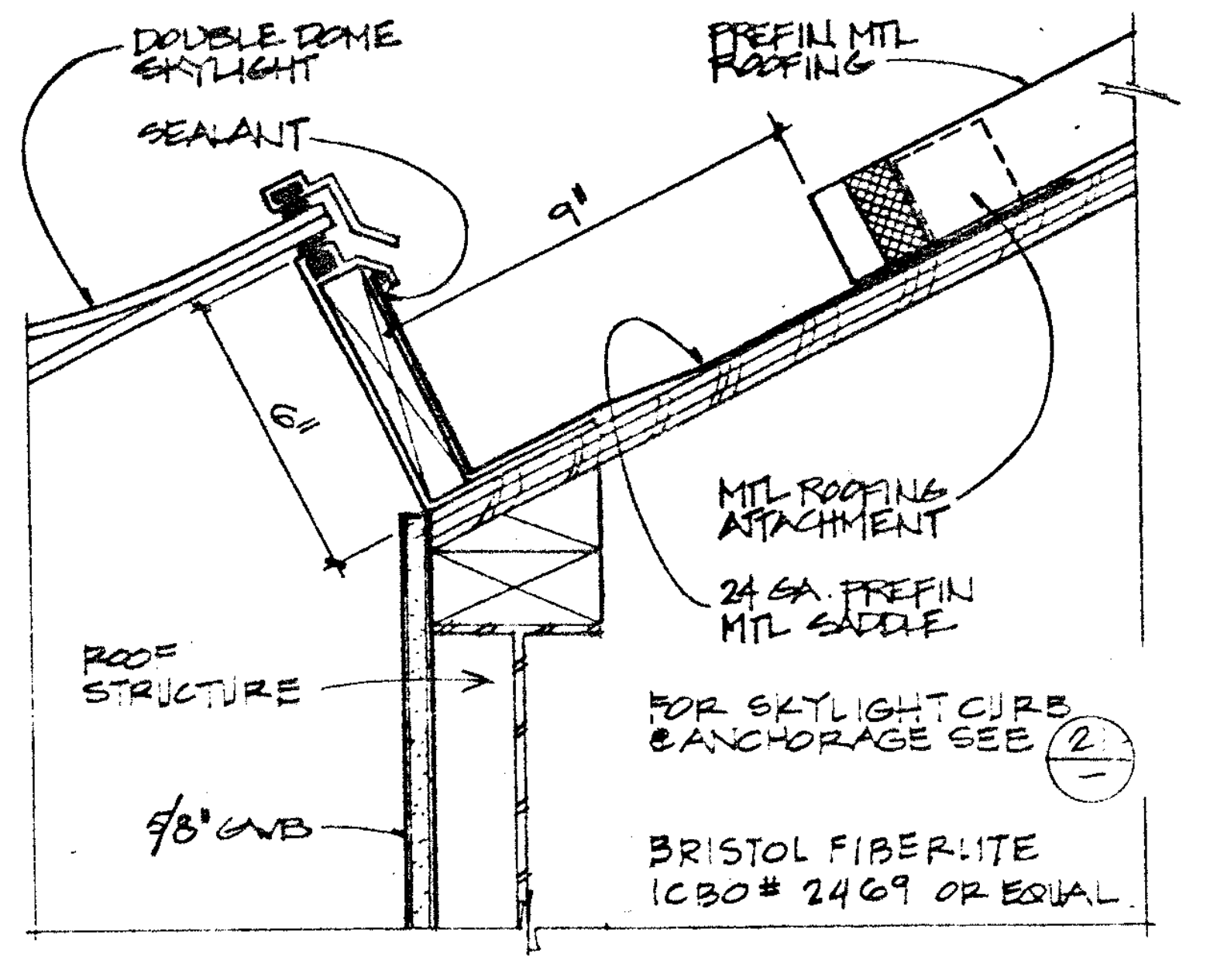
REGLET FLASHING @ BLK. WALL 3" **20**


DIM. PT UNLESS OTHERWISE NOTED (REFER TO ROOF PLAN)
NEOPRENE WASHER
SKYLIGHT CURB SET IN FULL BED OF SEALANT
2 LAYERS COMPOSITION FLASHING TO EXTEND 4" & 6" ONTO ROOF
ROOFING PLIES TO EXTEND UP CURB 2" TO 4" DRY
4" SOLID CANT
ROOFING PLIES
DOUBLE DOME SKYLIGHT
METAL TRIM
5/8" GWB
2 X CURB MIN. 7 1/2 HIGH
SIMPSON A35F 1 @ EACH END AND MIDDLE OF CURB
SIMPSON A35 1 @ EACH END AND MIDDLE OF CURB, TYP. 4 SIDES
ROOF STRUCT.

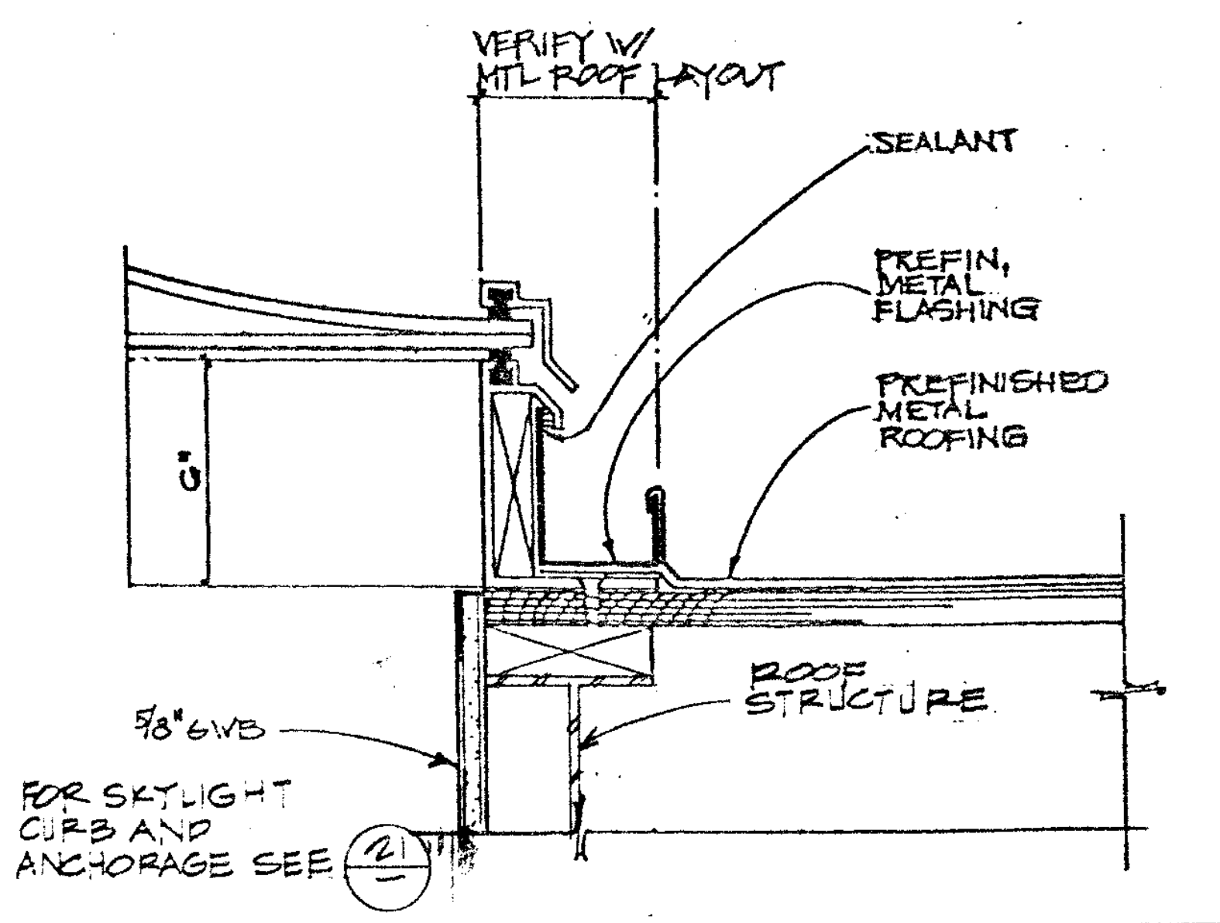
SKYLIGHT CURB 3" **21**


DOUBLE DOME SKYLIGHT
6"
6"
SEALANT
RIDGE CLOSURE
PREFIN MTL ROOFING
CONT. CLEAT @ MTL. FLASHING
FOR SKYLIGHT CURB & ANCHORAGE SEE 21/–
ROOF STRUCTURE
5/8" GWB

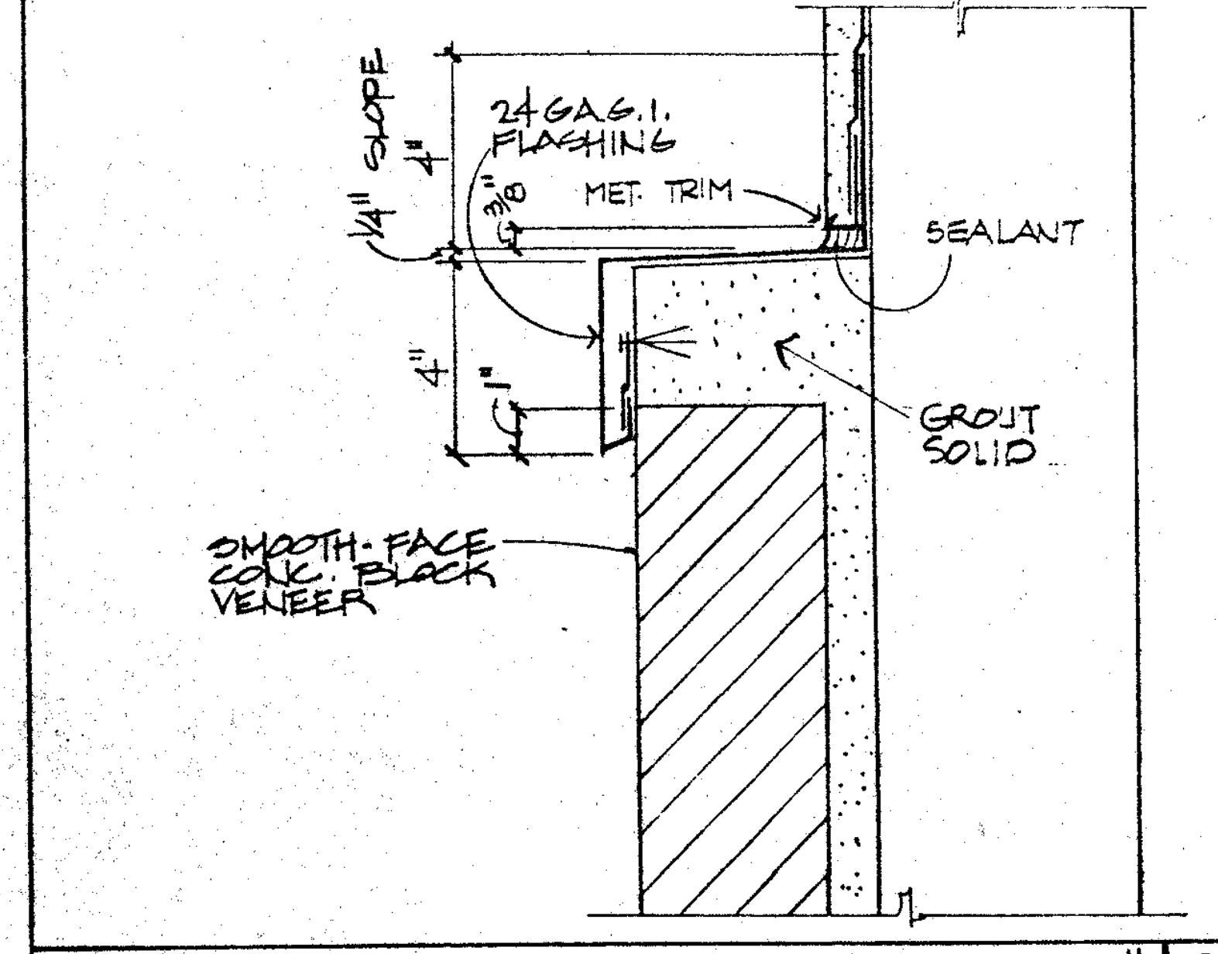
SKYLIGHT FLASHING 3" **22**


DOUBLE DOME SKYLIGHT
SEALANT
PREFIN MTL ROOFING
9"
6"
6"
MTL ROOFING ATTACHMENT
24 GA. PREFIN MTL SADDLE
ROOF STRUCTURE
FOR SKYLIGHT CURB & ANCHORAGE SEE 21/–
5/8" GWB
BRISTOL FIBERLITE ICBO # 2469 OR EQUAL

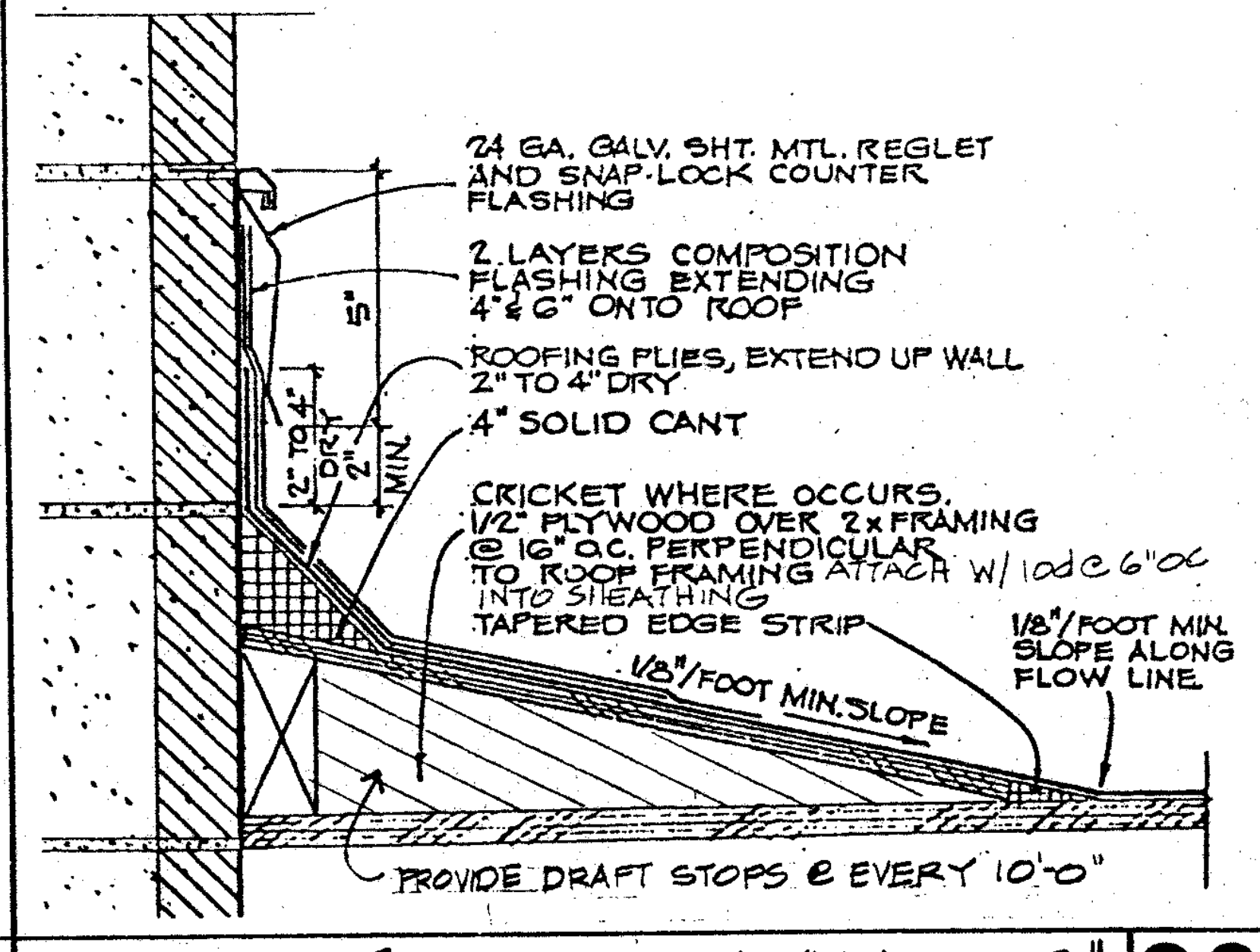
SKYLIGHT @ SADDLE 3" **23**


VERIFY W/ MTL ROOF LAYOUT
SEALANT
PREFIN. METAL FLASHING
PREFINISHED METAL ROOFING
6"
5/8" GWB
ROOF STRUCTURE
FOR SKYLIGHT CURB AND ANCHORAGE SEE 21/–

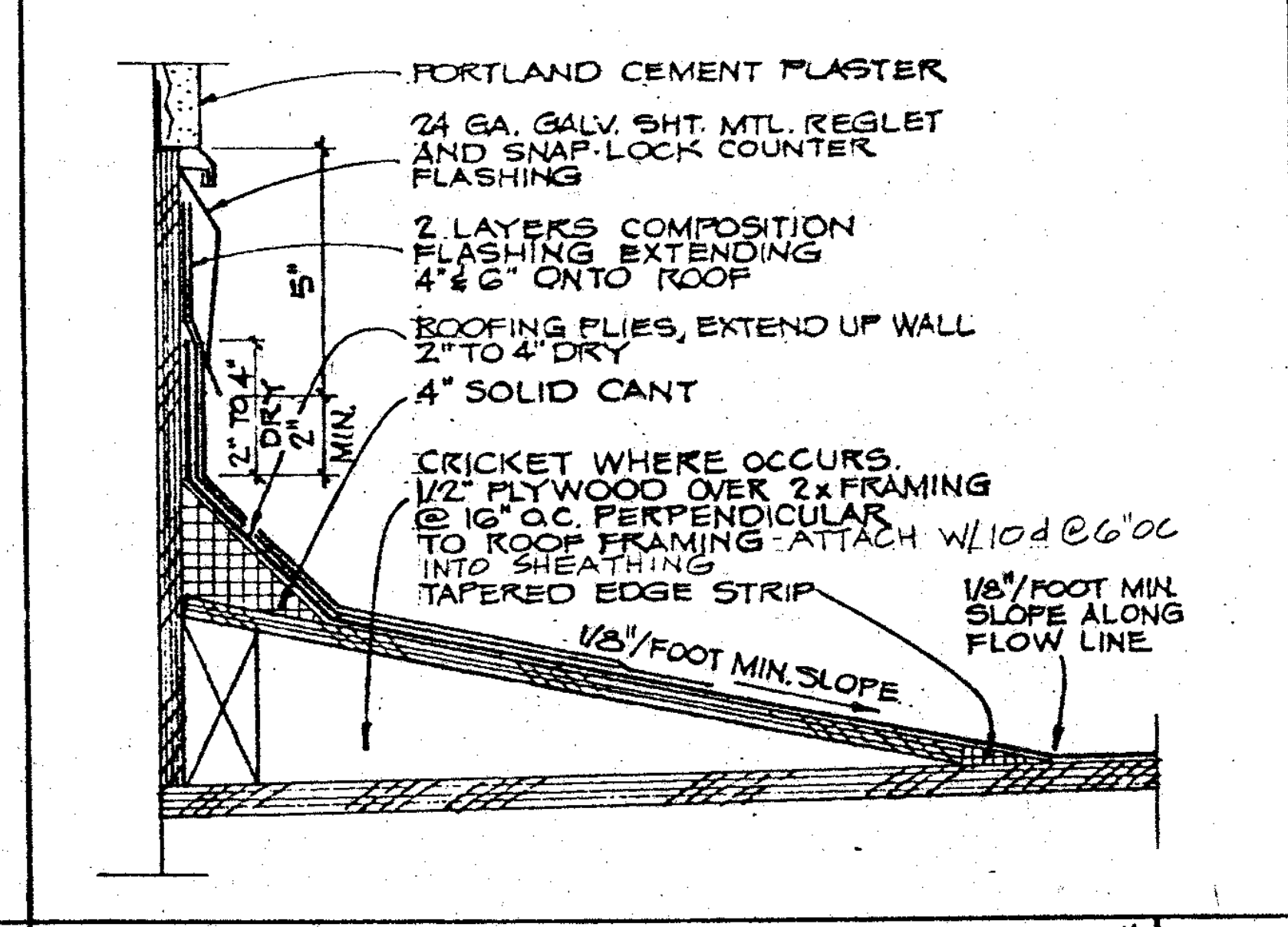
SKYLIGHT @ RAKE 3" **24**


¼" SLOPE
4"
24 GA G.I. FLASHING
3/8"
MET. TRIM
SEALANT
4"
1"
GROUT SOLID
SMOOTH-FACE CONC. BLOCK VENEER

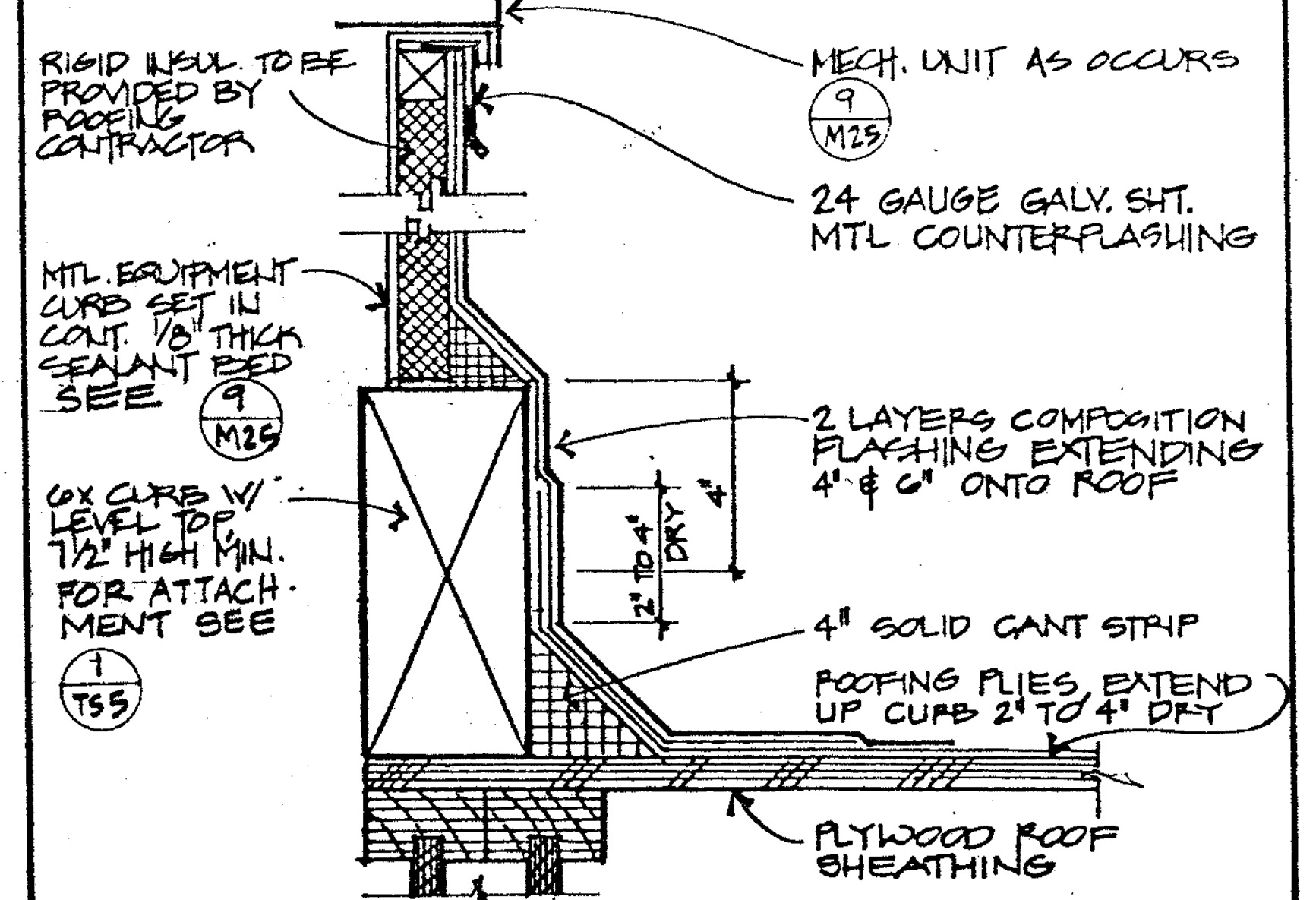
FLASHING @ BLOCK VENEER 3" **25**


24 GA. GALV. SHT. MTL. REGLET AND SNAP-LOCK COUNTER FLASHING
2 LAYERS COMPOSITION FLASHING EXTENDING 4" & 6" ONTO ROOF
ROOFING PLIES, EXTEND UP WALL 2" TO 4" DRY
4" SOLID CANT
CRICKET WHERE OCCURS. 1/2" PLYWOOD OVER 2x FRAMING @ 16" O.C. PERPENDICULAR TO ROOF FRAMING ATTACH W/ 10d @ 6" OC INTO SHEATHING
TAPERED EDGE STRIP
1/8"/FOOT MIN. SLOPE ALONG FLOW LINE
1/8"/FOOT MIN. SLOPE
5"
2" TO 4" DRY
2" MIN.
PROVIDE DRAFT STOPS @ EVERY 10'-0"

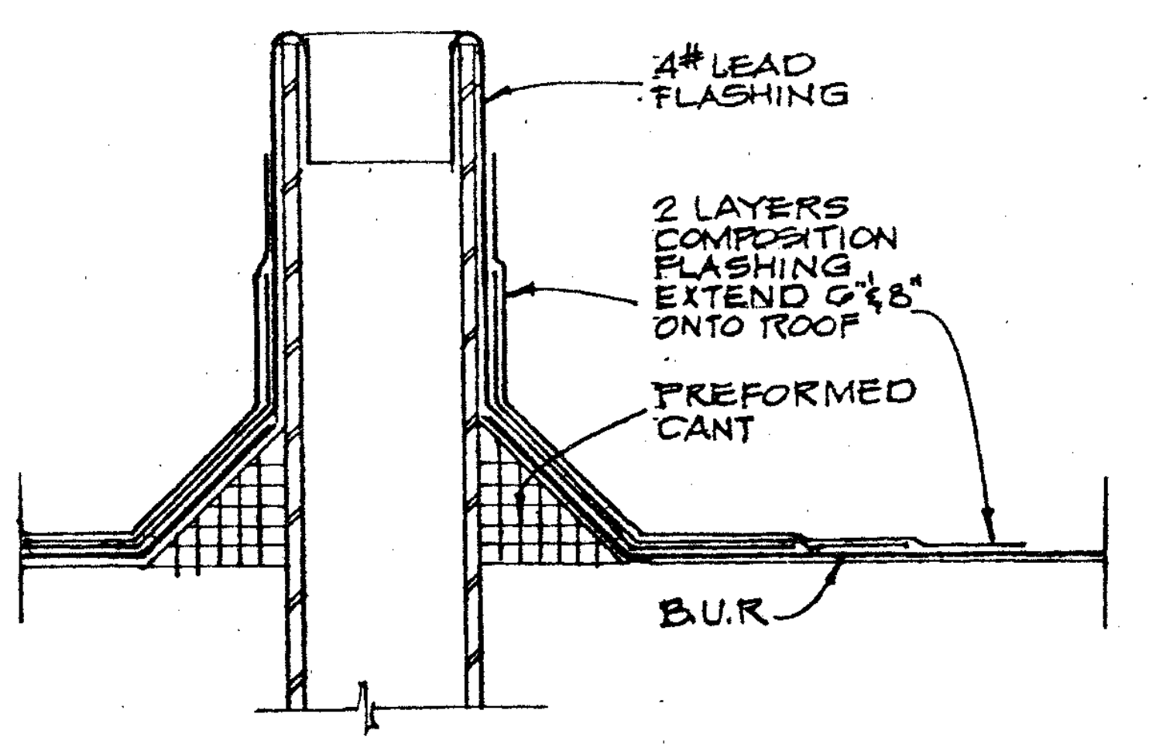
CRICKET @ BLOCK WALL 3" **26**


PORTLAND CEMENT PLASTER
24 GA. GALV. SHT. MTL. REGLET AND SNAP-LOCK COUNTER FLASHING
2 LAYERS COMPOSITION FLASHING EXTENDING 4" & 6" ONTO ROOF
ROOFING PLIES, EXTEND UP WALL 2" TO 4" DRY
4" SOLID CANT
CRICKET WHERE OCCURS. 1/2" PLYWOOD OVER 2x FRAMING @ 16" O.C. PERPENDICULAR TO ROOF FRAMING ATTACH W/ 10d @ 6" OC INTO SHEATHING
TAPERED EDGE STRIP
1/8"/FOOT MIN. SLOPE ALONG FLOW LINE
1/8"/FOOT MIN. SLOPE
5"
2" TO 4" DRY
2" MIN.

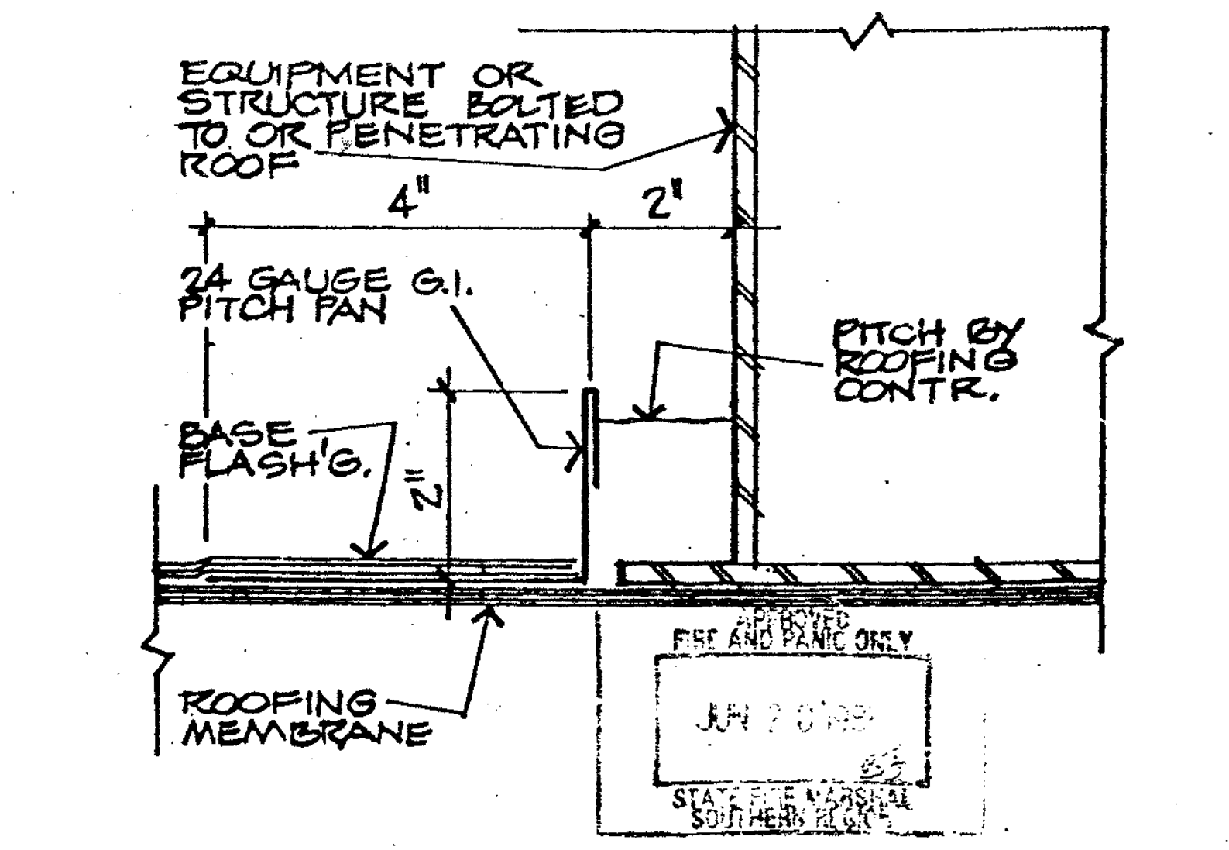
CRICKET @ STUD WALL 3" **27**


RIGID INSUL. TO BE PROVIDED BY ROOFING CONTRACTOR
MECH. UNIT AS OCCURS 9/M25
24 GAUGE GALV. SHT. MTL COUNTERFLASHING
MTL. EQUIPMENT CURB SET IN CONT. 1/8" THICK SEALANT BED SEE 9/M25
2 LAYERS COMPOSITION FLASHING EXTENDING 4" & 6" ONTO ROOF
6x CURB W/ LEVEL TOP, 7½" HIGH MIN. FOR ATTACHMENT SEE 1/TS5
4"
2" TO 4" DRY
4" SOLID CANT STRIP
ROOFING PLIES, EXTEND UP CURB 2" TO 4" DRY
PLYWOOD ROOF SHEATHING

MECHANICAL UNIT CURB 3" **28**


4# LEAD FLASHING
2 LAYERS COMPOSITION FLASHING, EXTEND 6" & 8" ONTO ROOF
PREFORMED CANT
B.U.R.

PIPE FLASHING 3"


EQUIPMENT OR STRUCTURE BOLTED TO OR PENETRATING ROOF
4"
2"
24 GAUGE G.I. PITCH PAN
PITCH BY ROOFING CONTR.
BASE FLASH'G.
2"
ROOFING MEMBRANE

APPROVED FIRE AND PANIC ONLY
JUN 2 0 1988
STATE FIRE MARSHAL SOUTHERN REGION

PITCH PAN 3" **30**

Drawn By	Revisions △A 6/29/88 PHASING
Checked By	
Date	
Commission No.	

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5751 Palmer Way, Suite C
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619/438-5899

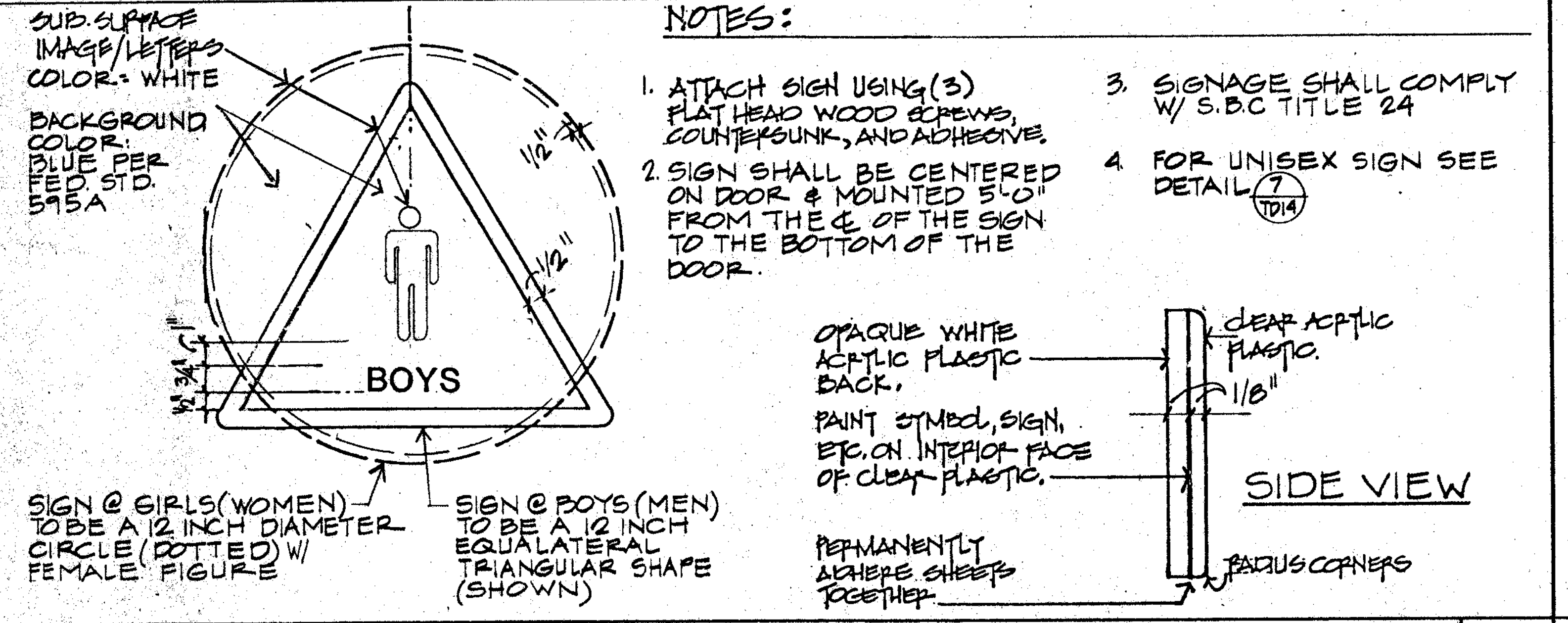
ARCHITECT
C-6497

West Hills High Schoo
Grossmont Union High School Distric
San Diego, Ca San Diego Count

tails

OFFICE OF THE STATE ARCHITECT
A 49275 JUN 2 - 1988

Sheet Number
TD-1
Of Shee

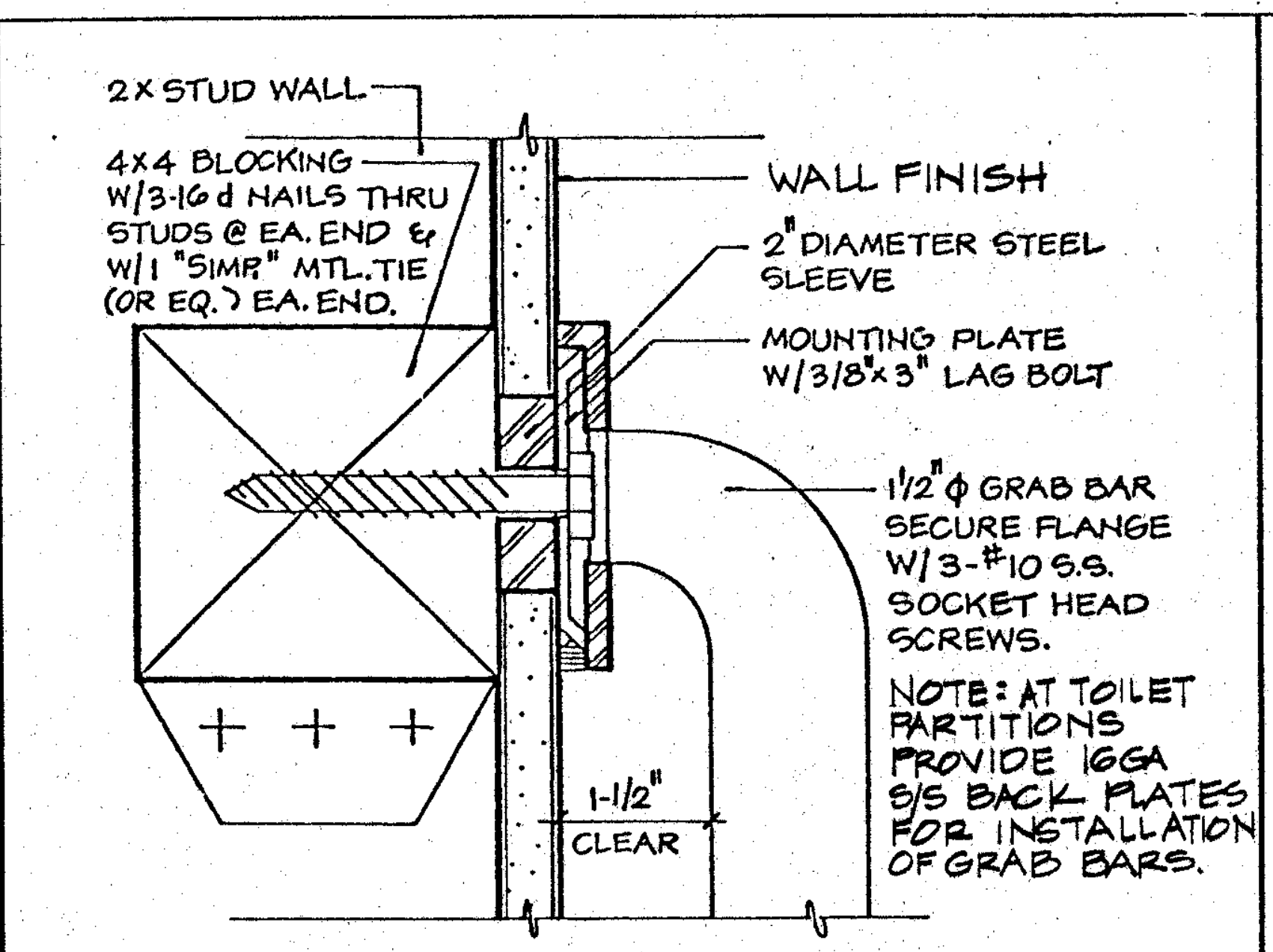


NOTES:

1. ATTACH SIGN USING (3) FLAT HEAD WOOD SCREWS, COUNTERSUNK, AND ADHESIVE.
2. SIGN SHALL BE CENTERED ON DOOR & MOUNTED 5'-0" FROM THE ℄ OF THE SIGN TO THE BOTTOM OF THE DOOR.
3. SIGNAGE SHALL COMPLY W/ S.B.C TITLE 24
4. FOR UNISEX SIGN SEE DETAIL 7/TD14

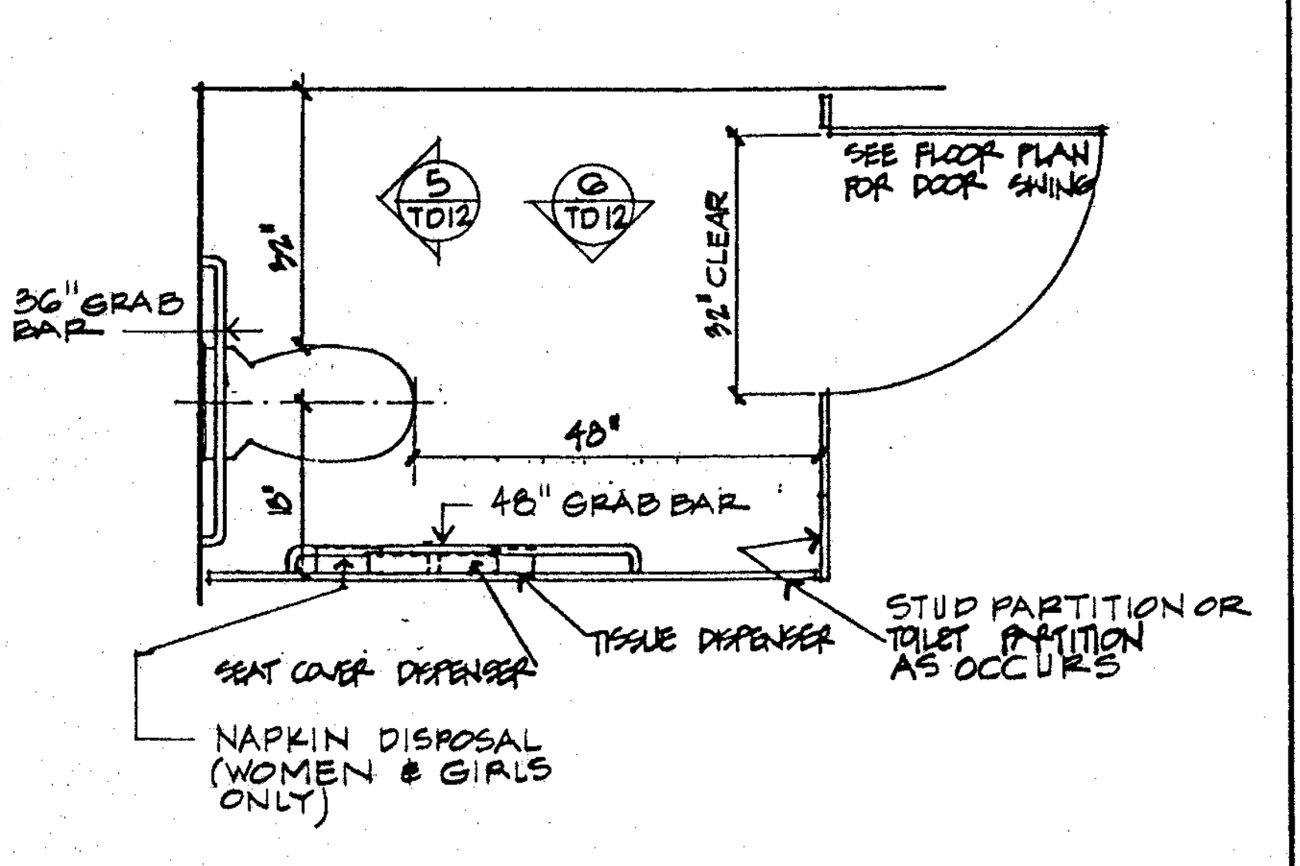
SUB. SURFACE IMAGE/LETTERS COLOR: WHITE
BACKGROUND COLOR: BLUE PER FED. STD. 595A
1/2"
1/2"
3/4"
BOYS
SIGN @ GIRLS (WOMEN) TO BE A 12 INCH DIAMETER CIRCLE (DOTTED) W/ FEMALE FIGURE
SIGN @ BOYS (MEN) TO BE A 12 INCH EQUALATERAL TRIANGULAR SHAPE (SHOWN)
OPAQUE WHITE ACRYLIC PLASTIC BACK.
PAINT SYMBOL, SIGN, ETC. ON INTERIOR FACE OF CLEAR PLASTIC.
PERMANENTLY ADHERE SHEETS TOGETHER
CLEAR ACRYLIC PLASTIC.
1/8"
RADIUS CORNERS
SIDE VIEW

HANDICAP TOILET ROOM DOOR SIGN NTS **2**



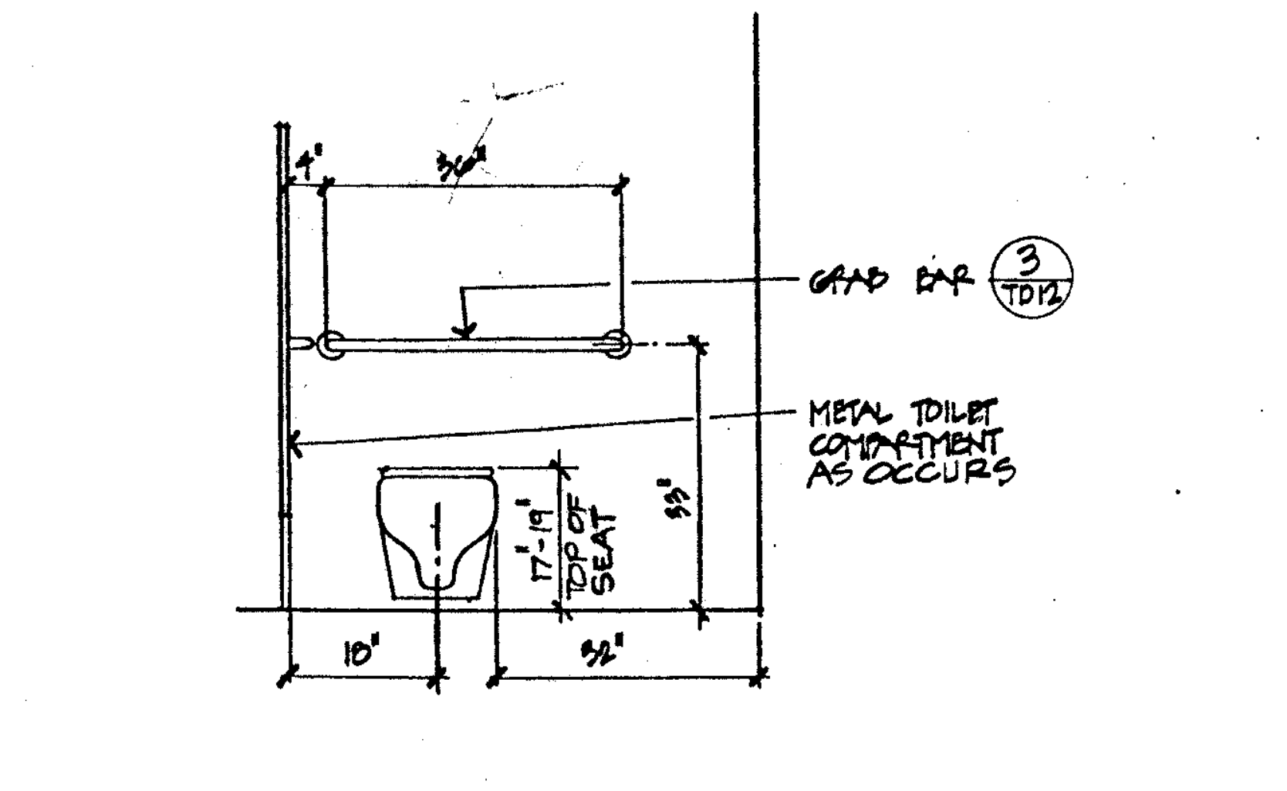
2X STUD WALL
4X4 BLOCKING W/3-16d NAILS THRU STUDS @ EA. END & W/1 "SIMP" MTL. TIE (OR EQ.) EA. END.
WALL FINISH
2" DIAMETER STEEL SLEEVE
MOUNTING PLATE W/3/8"x3" LAG BOLT
1 1/2" ϕ GRAB BAR SECURE FLANGE W/3-#10 S.S. SOCKET HEAD SCREWS.
NOTE: AT TOILET PARTITIONS PROVIDE 16GA S/S BACK PLATES FOR INSTALLATION OF GRAB BARS.
1-1/2" CLEAR

GRAB BAR ATTACHMENT 1/2 FULL **3**



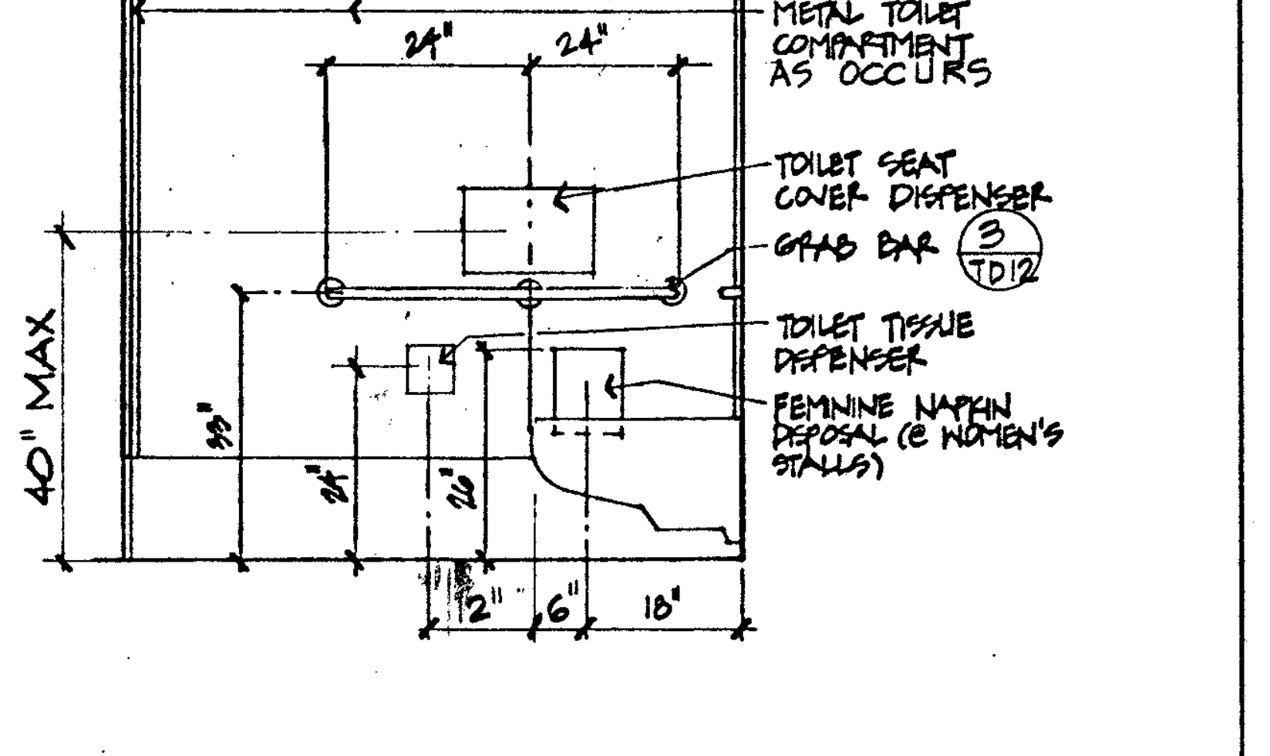
5/TD12
6/TD12
SEE FLOOR PLAN FOR DOOR SWING
32" CLEAR
36" GRAB BAR
32"
48"
48" GRAB BAR
18"
SEAT COVER DISPENSER
TISSUE DISPENSER
STUD PARTITION OR TOILET PARTITION AS OCCURS
NAPKIN DISPOSAL (WOMEN & GIRLS ONLY)

HANDICAP STALL NTS **4**



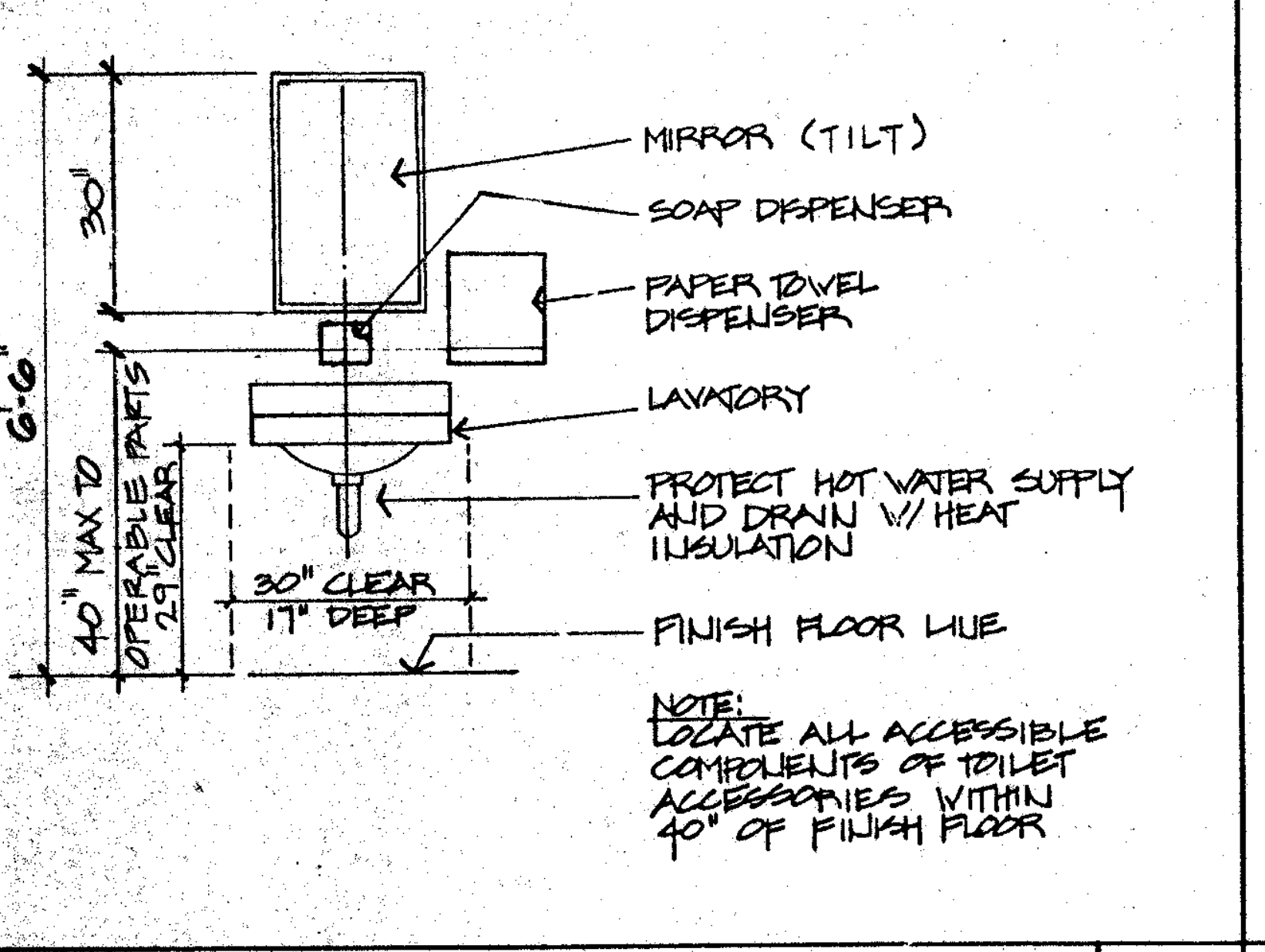
4"
36"
GRAB BAR 3/TD12
METAL TOILET COMPARTMENT AS OCCURS
17"-19" TOP OF SEAT
33"
18"
32"

HANDICAP STALL 1/2" **5**



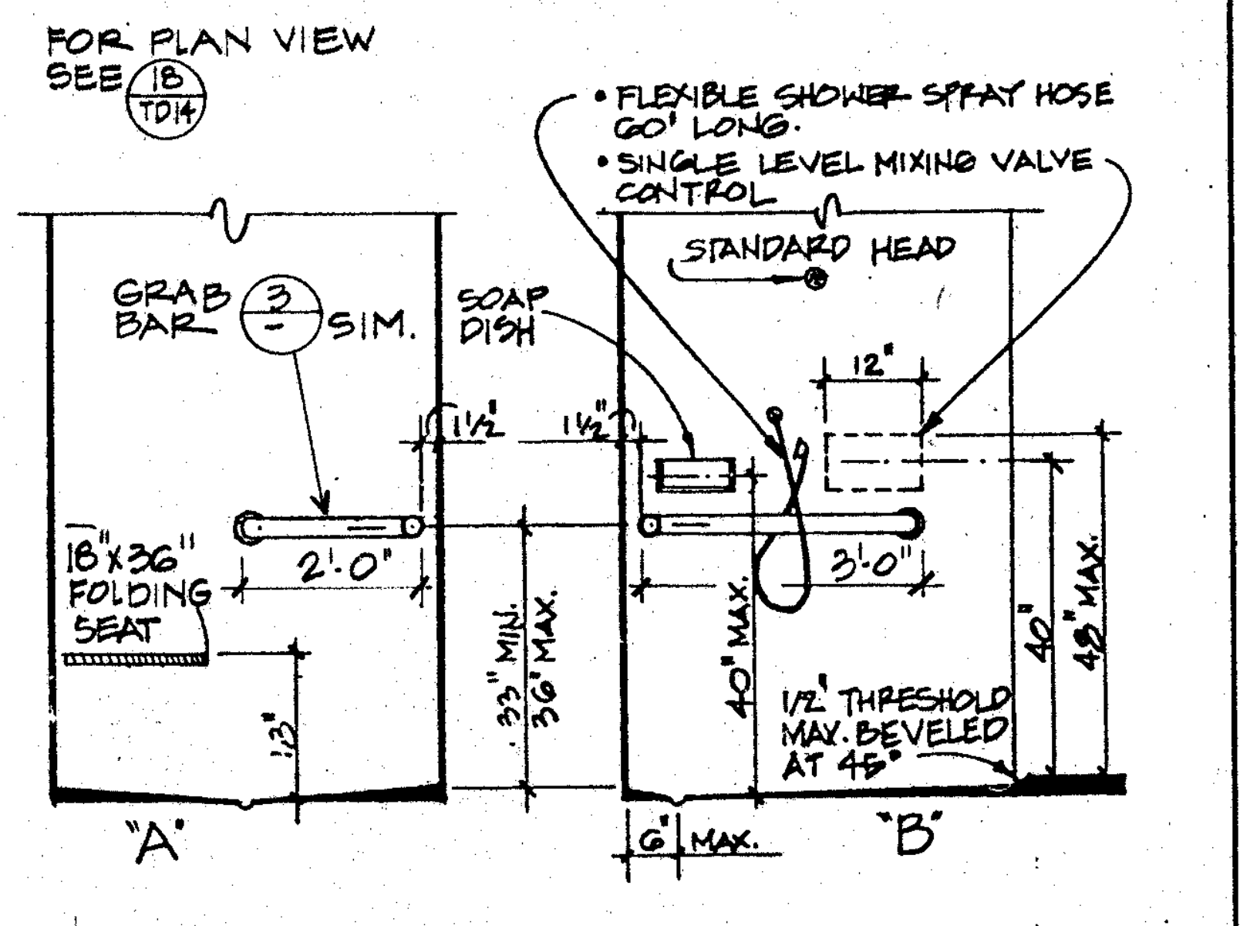
METAL TOILET COMPARTMENT AS OCCURS
24"
24"
TOILET SEAT COVER DISPENSER
GRAB BAR 3/TD12
TOILET TISSUE DISPENSER
FEMININE NAPKIN DISPOSAL (@ WOMEN'S STALLS)
40" MAX
33"
24"
26"
12"
6"
18"

HANDICAP STALL 1/2" **6**



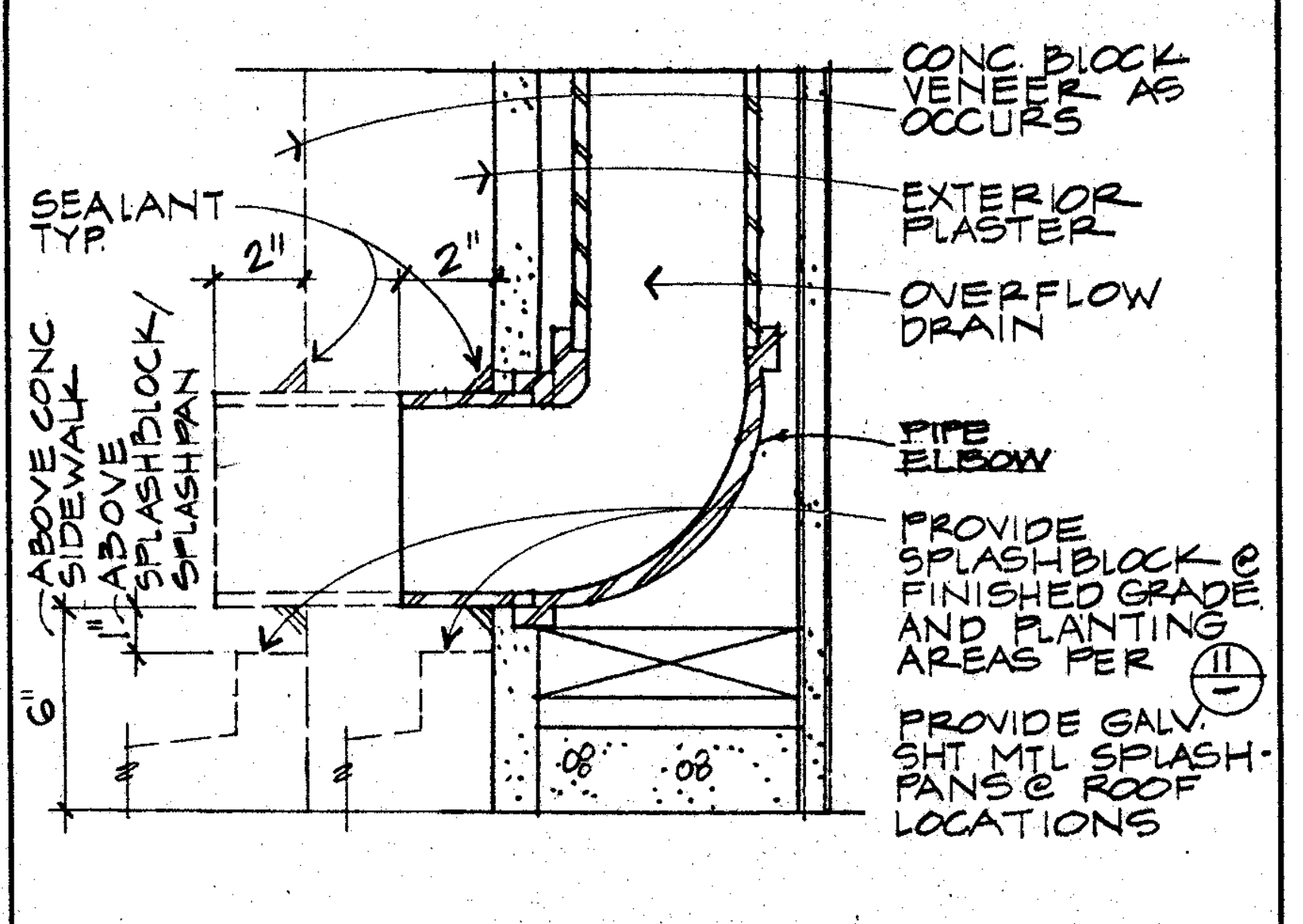
30"
MIRROR (TILT)
SOAP DISPENSER
PAPER TOWEL DISPENSER
LAVATORY
6'-6"
40" MAX TO OPERABLE PARTS
29" CLEAR
PROTECT HOT WATER SUPPLY AND DRAIN W/ HEAT INSULATION
30" CLEAR
17" DEEP
FINISH FLOOR LINE
NOTE: LOCATE ALL ACCESSIBLE COMPONENTS OF TOILET ACCESSORIES WITHIN 40" OF FINISH FLOOR

HANDICAP LAVATORY 1/2" **7**



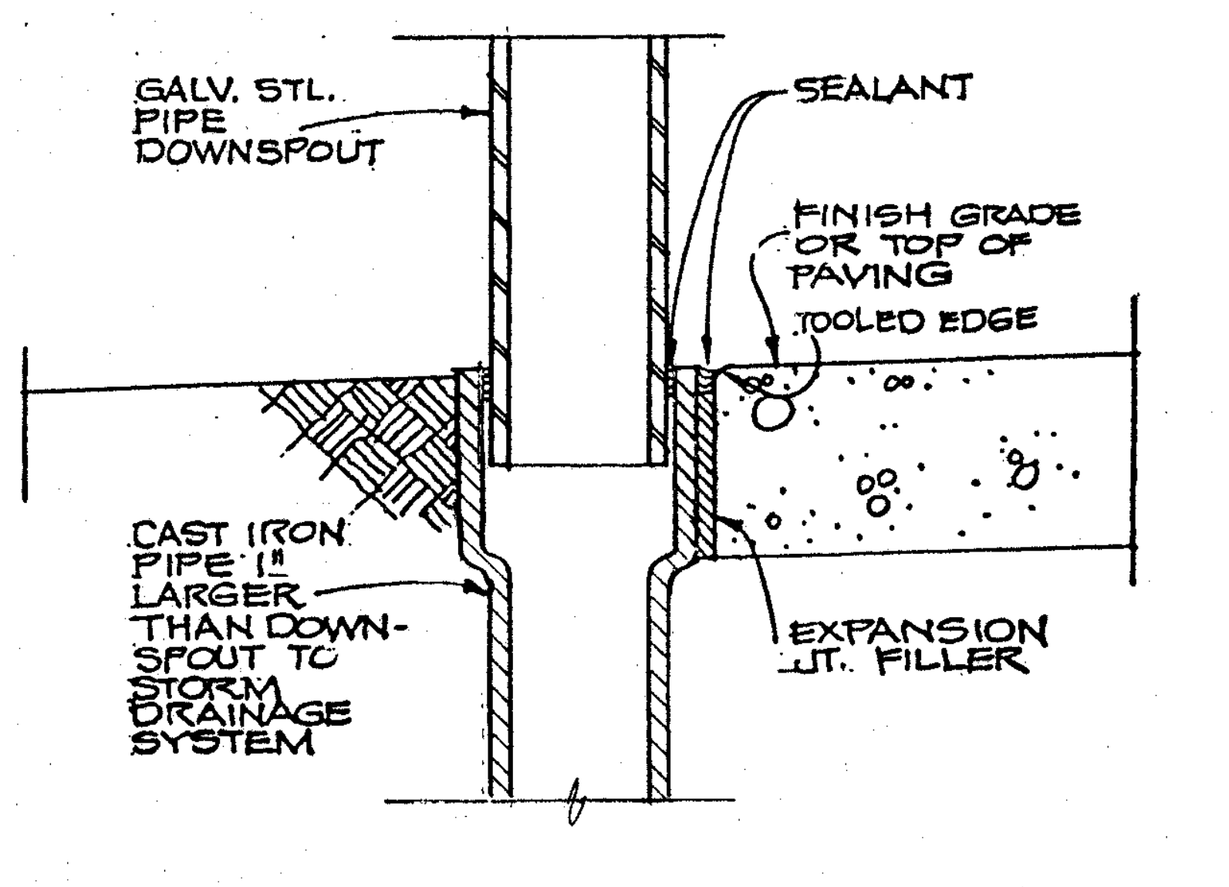
FOR PLAN VIEW SEE 18/TD14
• FLEXIBLE SHOWER SPRAY HOSE 60' LONG.
• SINGLE LEVEL MIXING VALVE CONTROL
STANDARD HEAD
GRAB BAR 3/- SIM.
SOAP DISH
1 1/2"
1 1/2"
12"
18"x36" FOLDING SEAT
2'-0"
3'-0"
33" MIN. 36" MAX.
40" MAX.
40"
48" MAX.
13"
1/2" THRESHOLD MAX. BEVELED AT 45°
6" MAX.
"A"
"B"

SHOWER ELEVATIONS NTS **8**



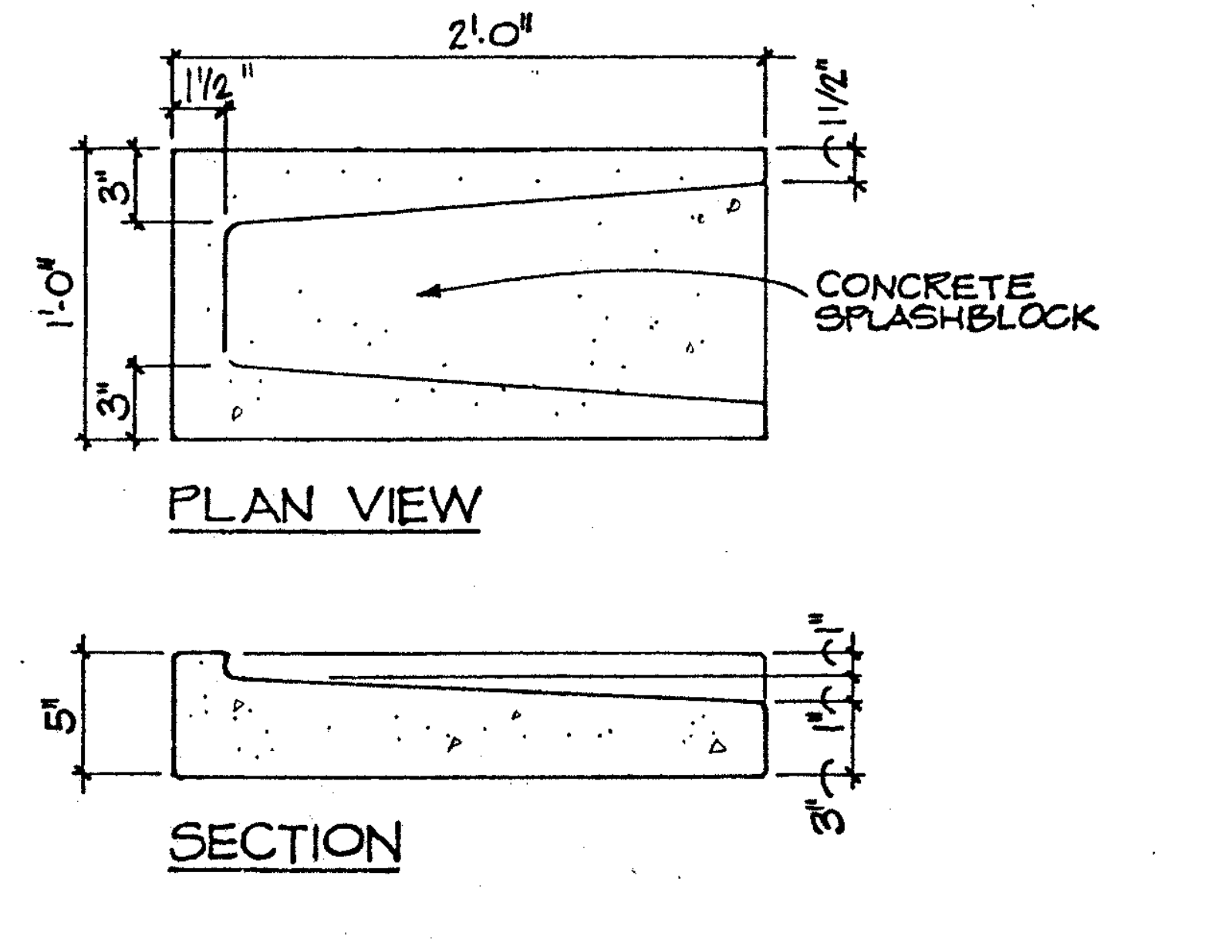
CONC. BLOCK VENEER AS OCCURS
SEALANT TYP.
2"
2"
EXTERIOR PLASTER
OVERFLOW DRAIN
PIPE ELBOW
ABOVE CONC SIDEWALK
ABOVE SPLASHBLOCK/SPLASH PAN
6"
PROVIDE SPLASHBLOCK @ FINISHED GRADE AND PLANTING AREAS PER 11/-
PROVIDE GALV. SHT MTL SPLASH-PANS @ ROOF LOCATIONS

OVERFLOW DRAIN 3" **9**



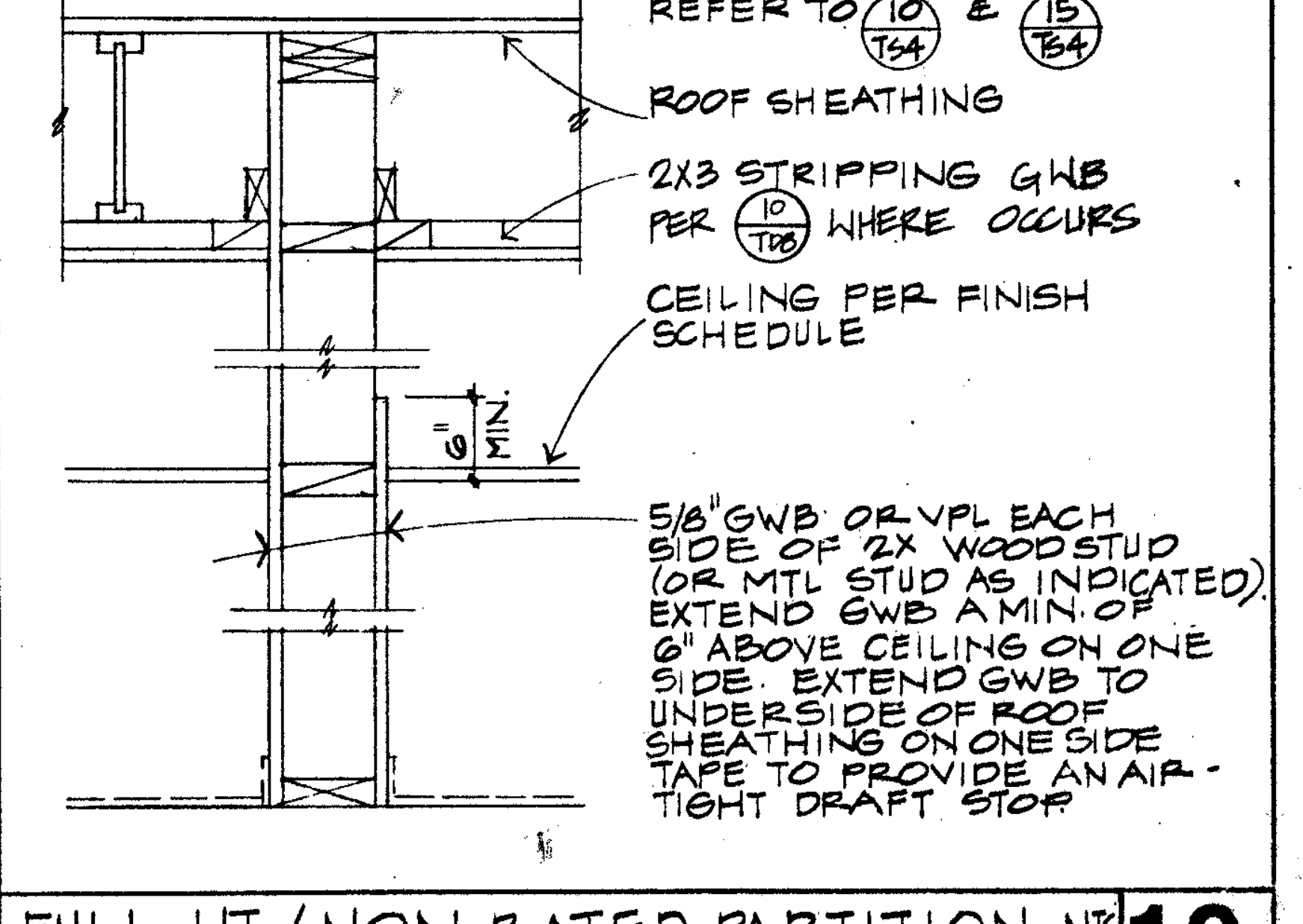
GALV. STL. PIPE DOWNSPOUT
SEALANT
FINISH GRADE OR TOP OF PAVING
TOOLED EDGE
CAST IRON PIPE 1" LARGER THAN DOWN-SPOUT TO STORM DRAINAGE SYSTEM
EXPANSION JT. FILLER

DOWNSPOUT @ GRADE 3" **10**



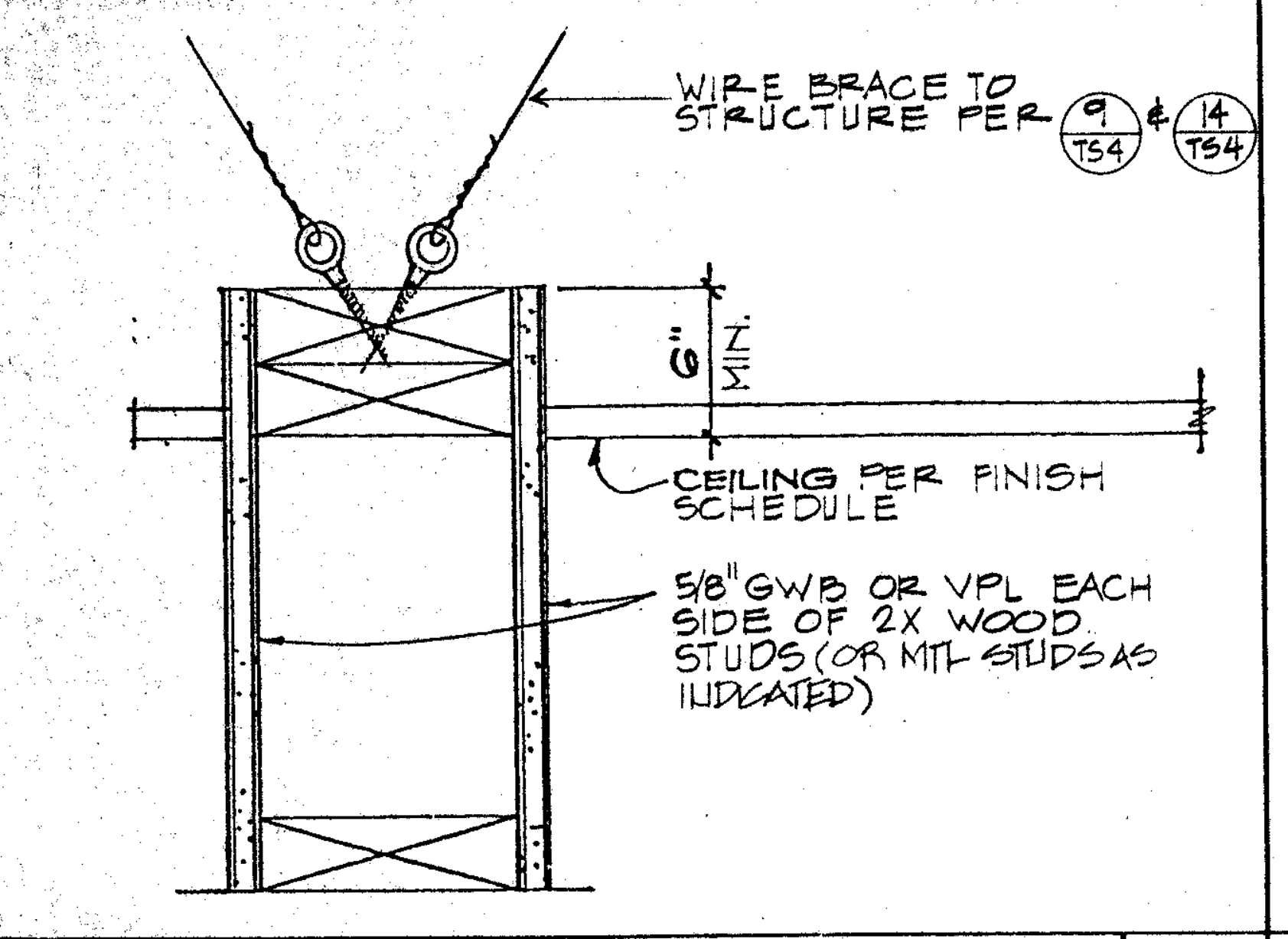
2'-0"
1 1/2"
1 1/2"
3"
1'-0"
3"
CONCRETE SPLASHBLOCK
PLAN VIEW
5"
1"
1"
3"
SECTION

SPLASHBLOCK 1 1/2" **11**



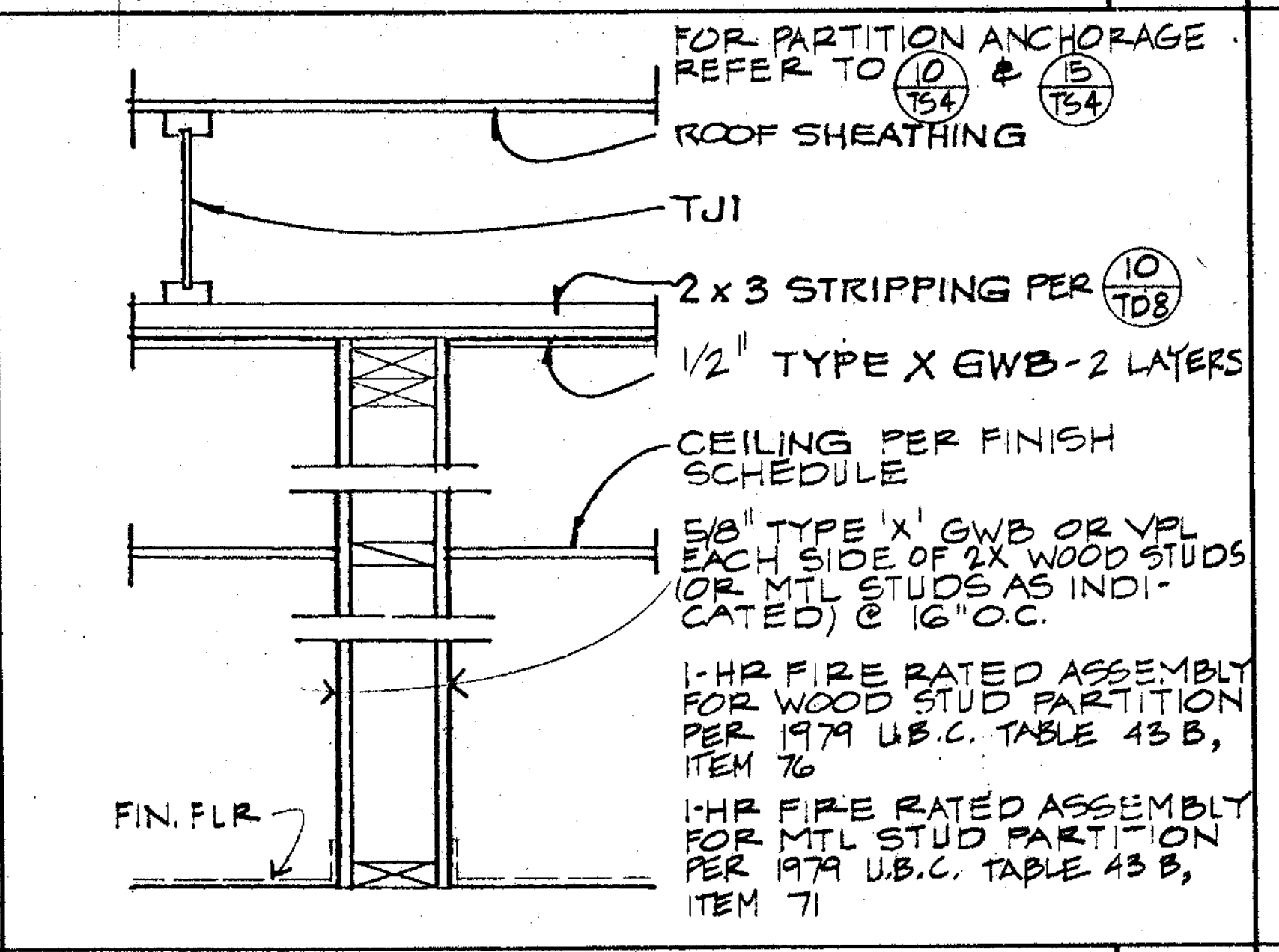
FOR PARTITION ANCHORAGE REFER TO 10/TS4 & 15/TS4
ROOF SHEATHING
2X3 STRIPPING GWB PER 10/TD8 WHERE OCCURS
CEILING PER FINISH SCHEDULE
6" MIN.
5/8" GWB OR VPL EACH SIDE OF 2X WOOD STUD (OR MTL STUD AS INDICATED). EXTEND GWB A MIN. OF 6" ABOVE CEILING ON ONE SIDE. EXTEND GWB TO UNDERSIDE OF ROOF SHEATHING ON ONE SIDE TAPE TO PROVIDE AN AIR-TIGHT DRAFT STOP

FULL HT./NON-RATED PARTITION NTS **12**



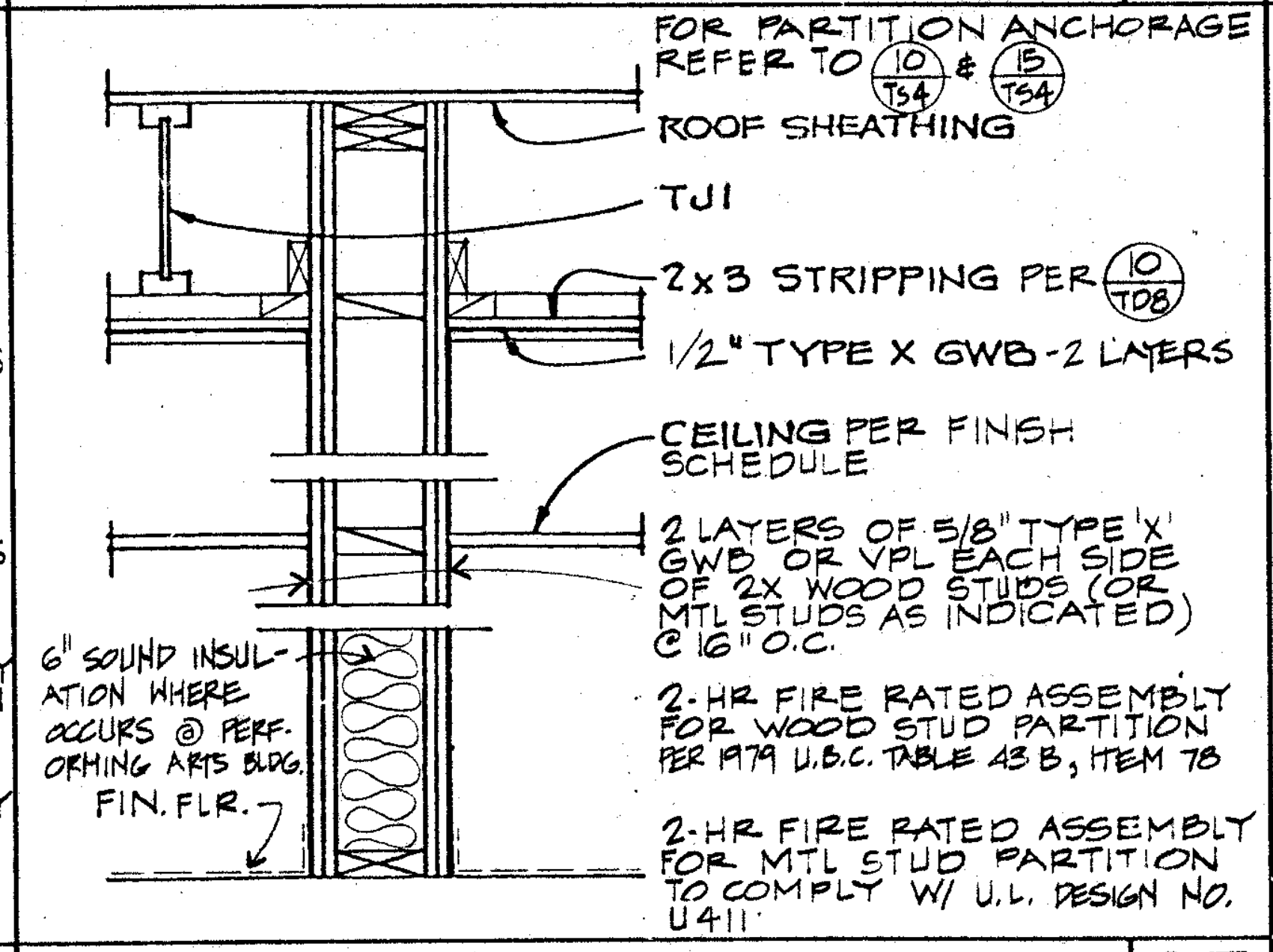
WIRE BRACE TO STRUCTURE PER 9/TS4 & 14/TS4
6" MIN.
CEILING PER FINISH SCHEDULE
5/8" GWB OR VPL EACH SIDE OF 2X WOOD STUDS (OR MTL STUDS AS INDICATED)

CEILING HEIGHT PARTITION NTS **13**



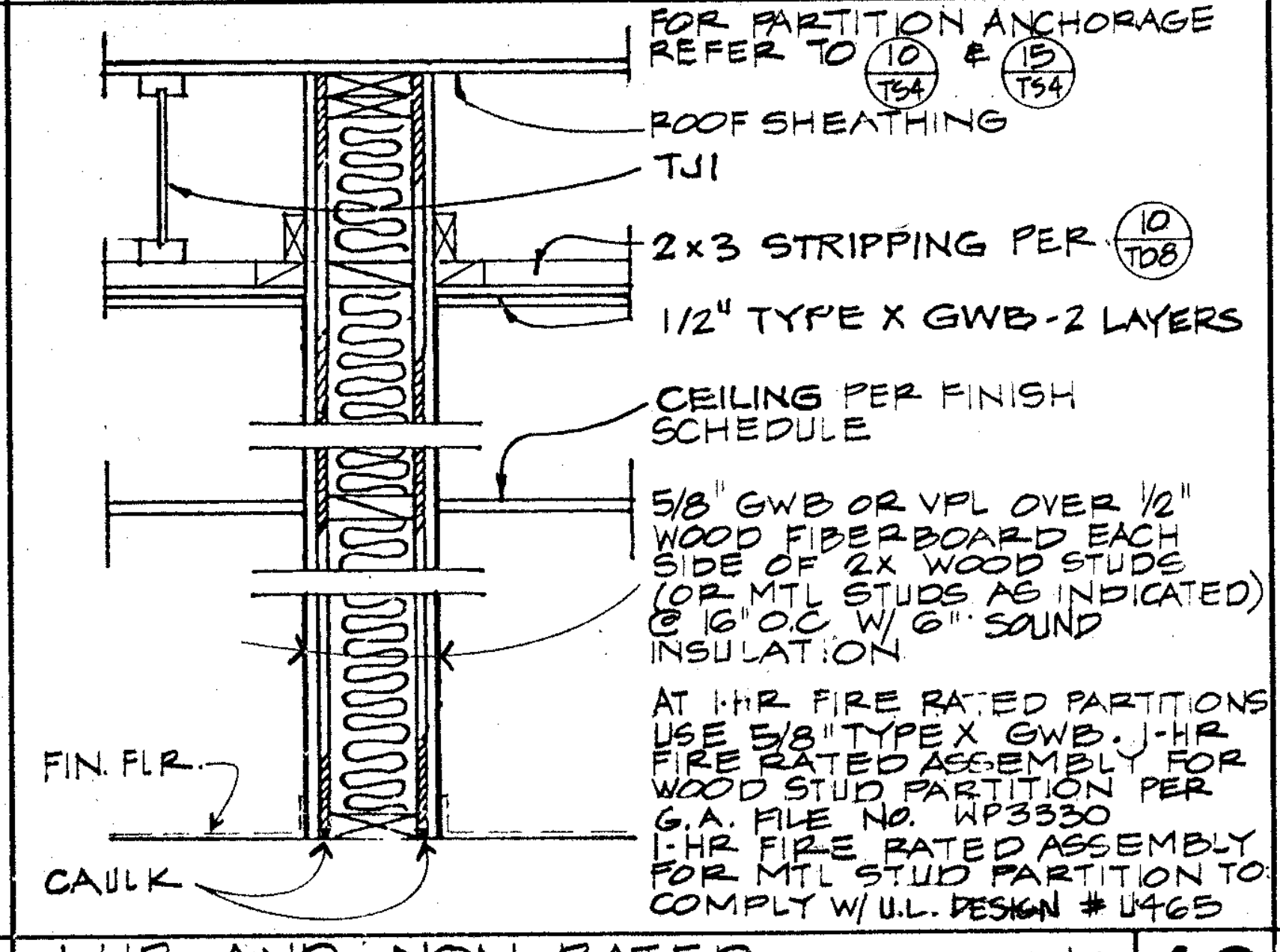
FOR PARTITION ANCHORAGE REFER TO 10/TS4 & 15/TS4
ROOF SHEATHING
TJI
2 x 3 STRIPPING PER 10/TD8
1/2" TYPE X GWB - 2 LAYERS
CEILING PER FINISH SCHEDULE
5/8" TYPE 'X' GWB OR VPL EACH SIDE OF 2X WOOD STUDS (OR MTL STUDS AS INDICATED) @ 16" O.C.
1-HR FIRE RATED ASSEMBLY FOR WOOD STUD PARTITION PER 1979 U.B.C. TABLE 43 B, ITEM 76
1-HR FIRE RATED ASSEMBLY FOR MTL STUD PARTITION PER 1979 U.B.C. TABLE 43 B, ITEM 71
FIN. FLR.

1-HR PARTITION NTS **14**



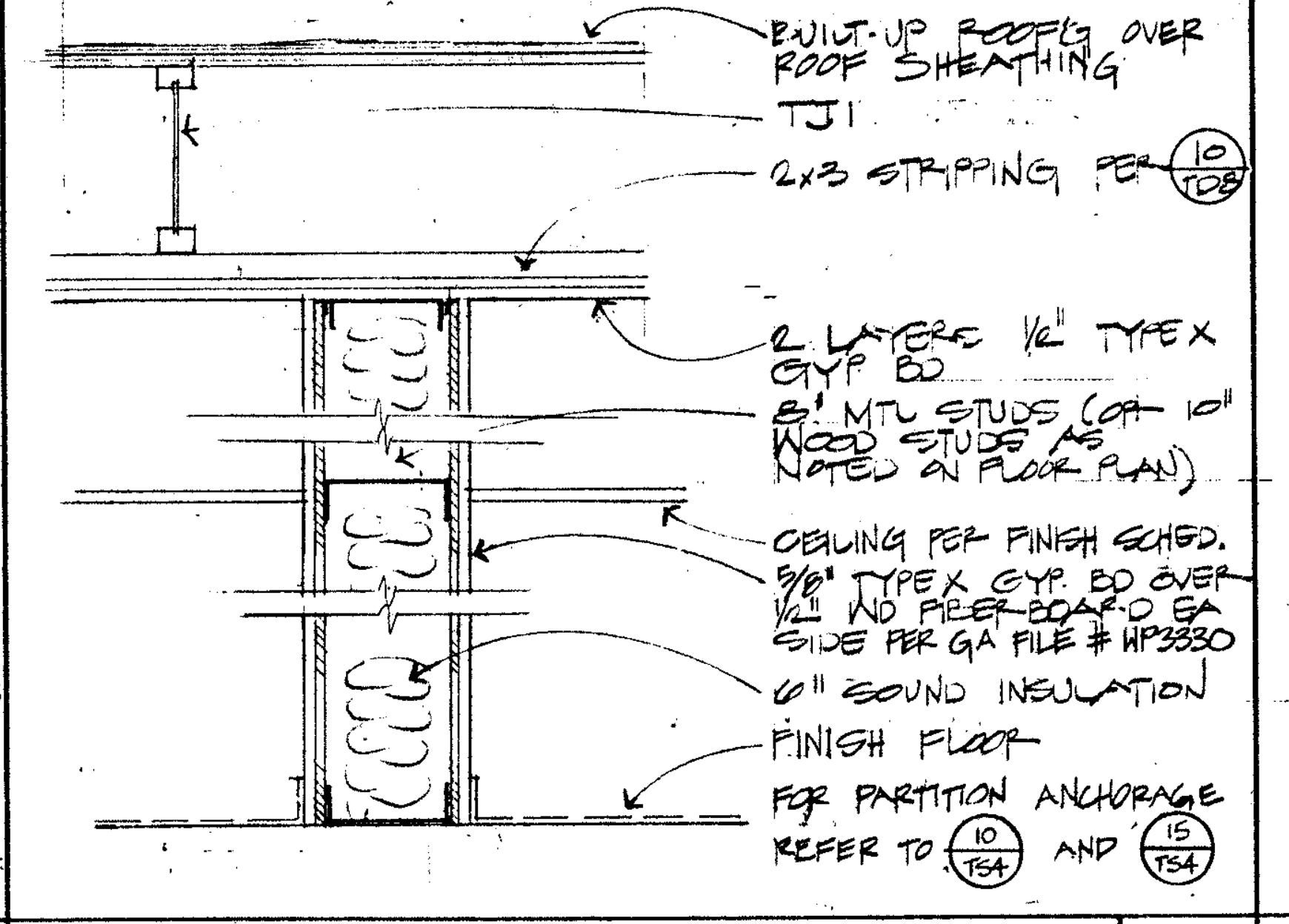
FOR PARTITION ANCHORAGE REFER TO 10/TS4 & 15/TS4
ROOF SHEATHING
TJI
2 x 3 STRIPPING PER 10/TD8
1/2" TYPE X GWB - 2 LAYERS
CEILING PER FINISH SCHEDULE
2 LAYERS OF 5/8" TYPE 'X' GWB OR VPL EACH SIDE OF 2X WOOD STUDS (OR MTL STUDS AS INDICATED) @ 16" O.C.
2-HR FIRE RATED ASSEMBLY FOR WOOD STUD PARTITION PER 1979 U.B.C. TABLE 43 B, ITEM 78
2-HR FIRE RATED ASSEMBLY FOR MTL STUD PARTITION TO COMPLY W/ U.L. DESIGN NO. U411
6" SOUND INSULATION WHERE OCCURS @ PERFORMING ARTS BLDG.
FIN. FLR.

2-HR PARTITION NTS **15**



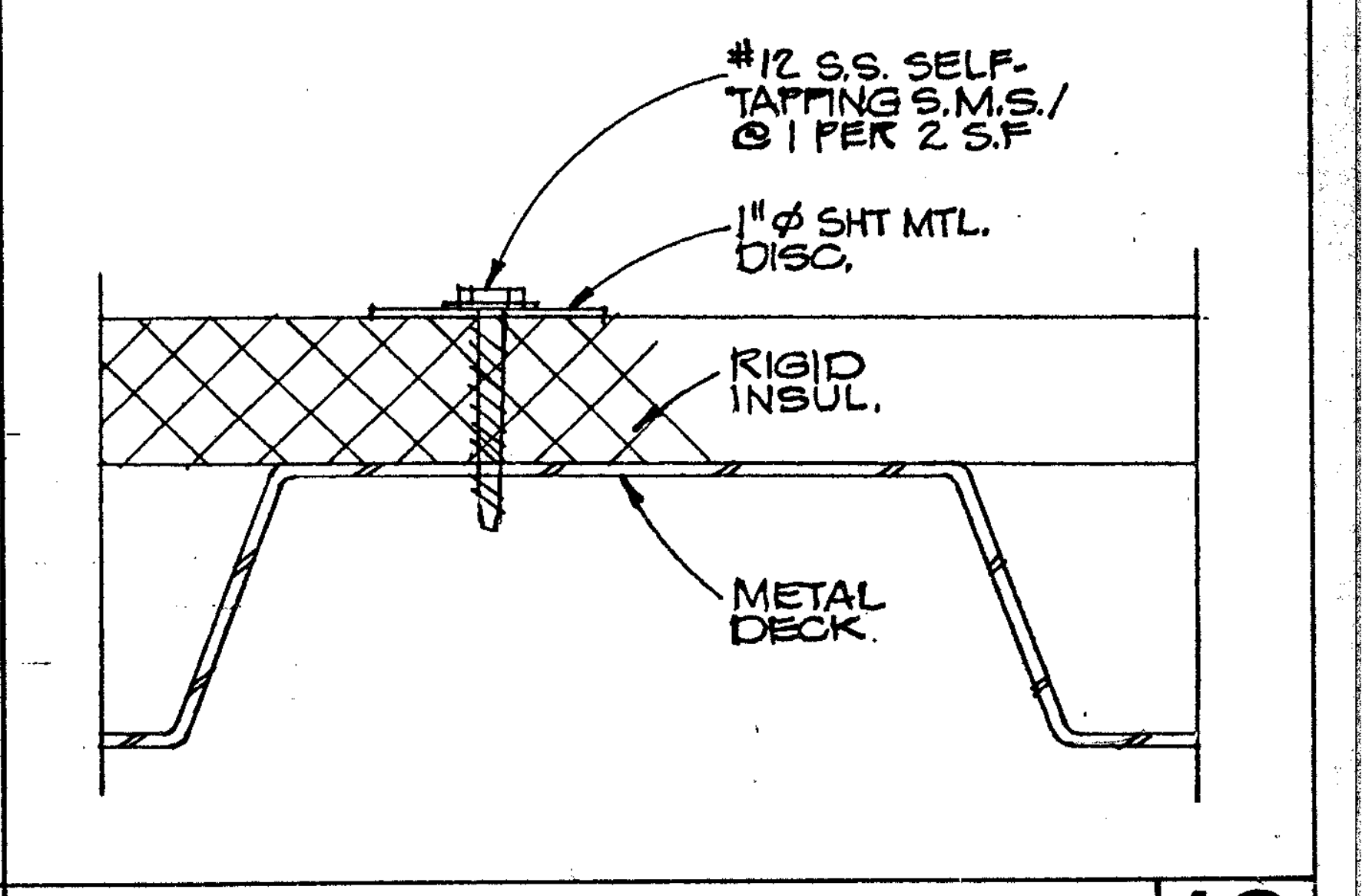
FOR PARTITION ANCHORAGE REFER TO 10/TS4 & 15/TS4
ROOF SHEATHING
TJI
2 x 3 STRIPPING PER 10/TD8
1/2" TYPE X GWB - 2 LAYERS
CEILING PER FINISH SCHEDULE
5/8" GWB OR VPL OVER 1/2" WOOD FIBERBOARD EACH SIDE OF 2X WOOD STUDS (OR MTL STUDS AS INDICATED) @ 16" O.C. W/ 6" SOUND INSULATION
AT 1-HR FIRE RATED PARTITIONS USE 5/8" TYPE X GWB. 1-HR FIRE RATED ASSEMBLY FOR WOOD STUD PARTITION PER G.A. FILE No. WP3330
1-HR FIRE RATED ASSEMBLY FOR MTL STUD PARTITION TO COMPLY W/ U.L. DESIGN # U465
FIN. FLR.
CAULK

1-HR AND NON-RATED ACOUSTICAL PARTITION NTS **16**



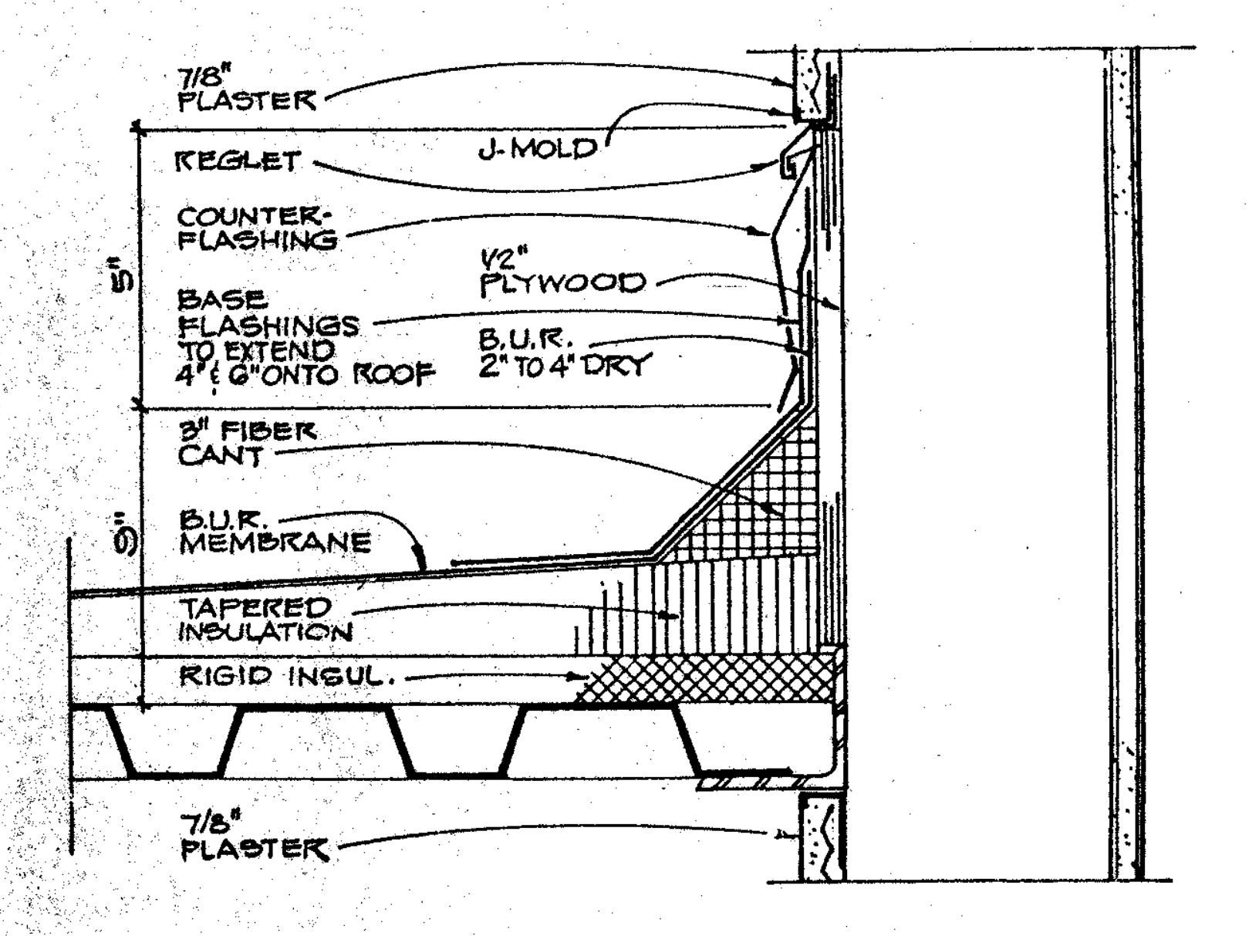
BUILT-UP ROOFG OVER ROOF SHEATHING
TJI
2x3 STRIPPING PER 10/TD8
2 LAYERS 1/2" TYPE X GYP BD
8" MTL STUDS (OR 10" WOOD STUDS AS NOTED ON FLOOR PLAN)
CEILING PER FINISH SCHED.
5/8" TYPE X GYP. BD OVER 1/2" WD FIBERBOARD EA SIDE PER GA FILE # WP3330
6" SOUND INSULATION
FINISH FLOOR
FOR PARTITION ANCHORAGE REFER TO 10/TS4 AND 15/TS4

1-HR ACOUSTICAL PARTITION N.T.S. **17**



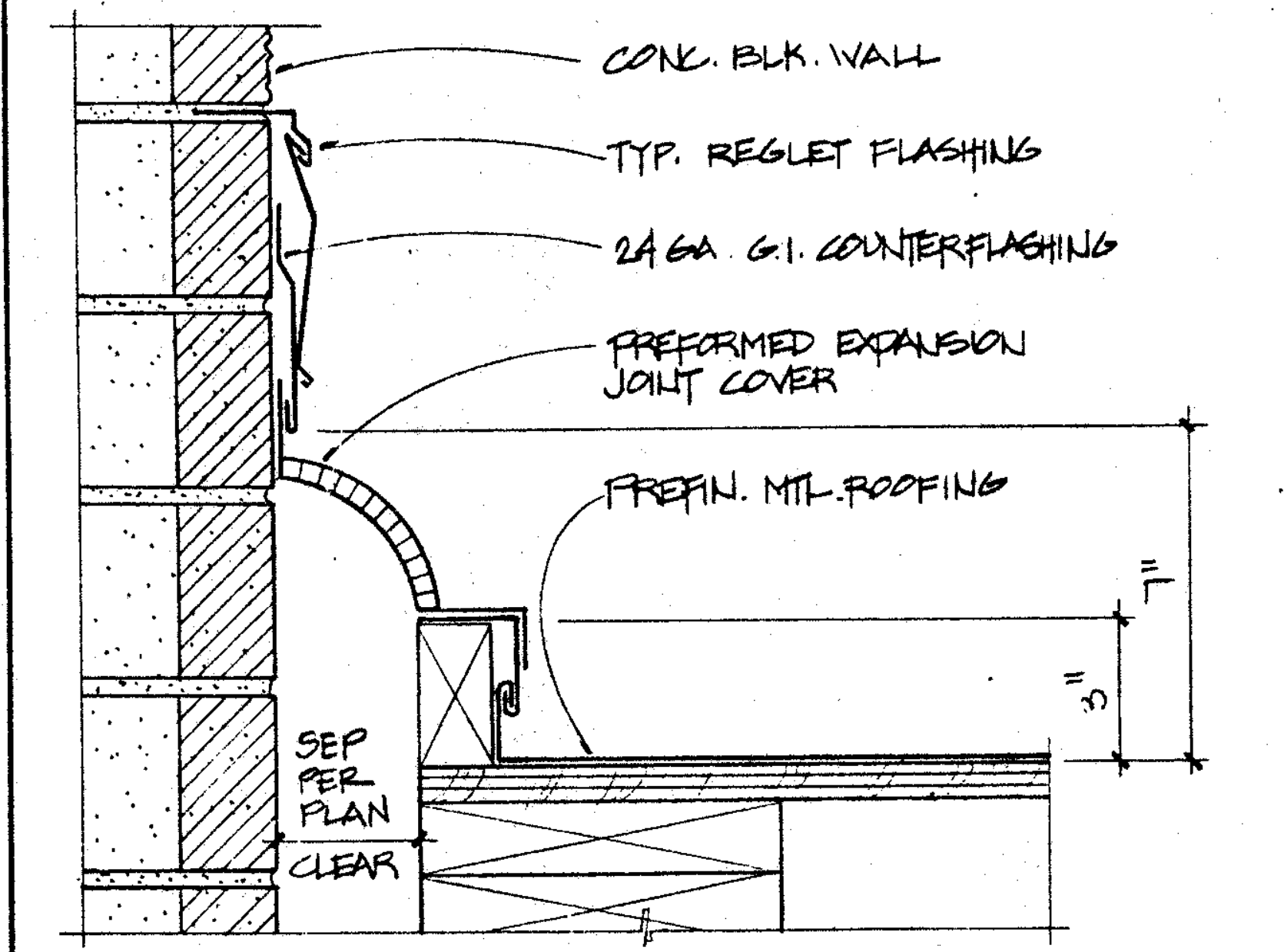
#12 S.S. SELF-TAPPING S.M.S./@ 1 PER 2 S.F
1" ϕ SHT MTL. DISC.
RIGID INSUL.
METAL DECK.

INSULATION ANCHORAGE NTS **18**



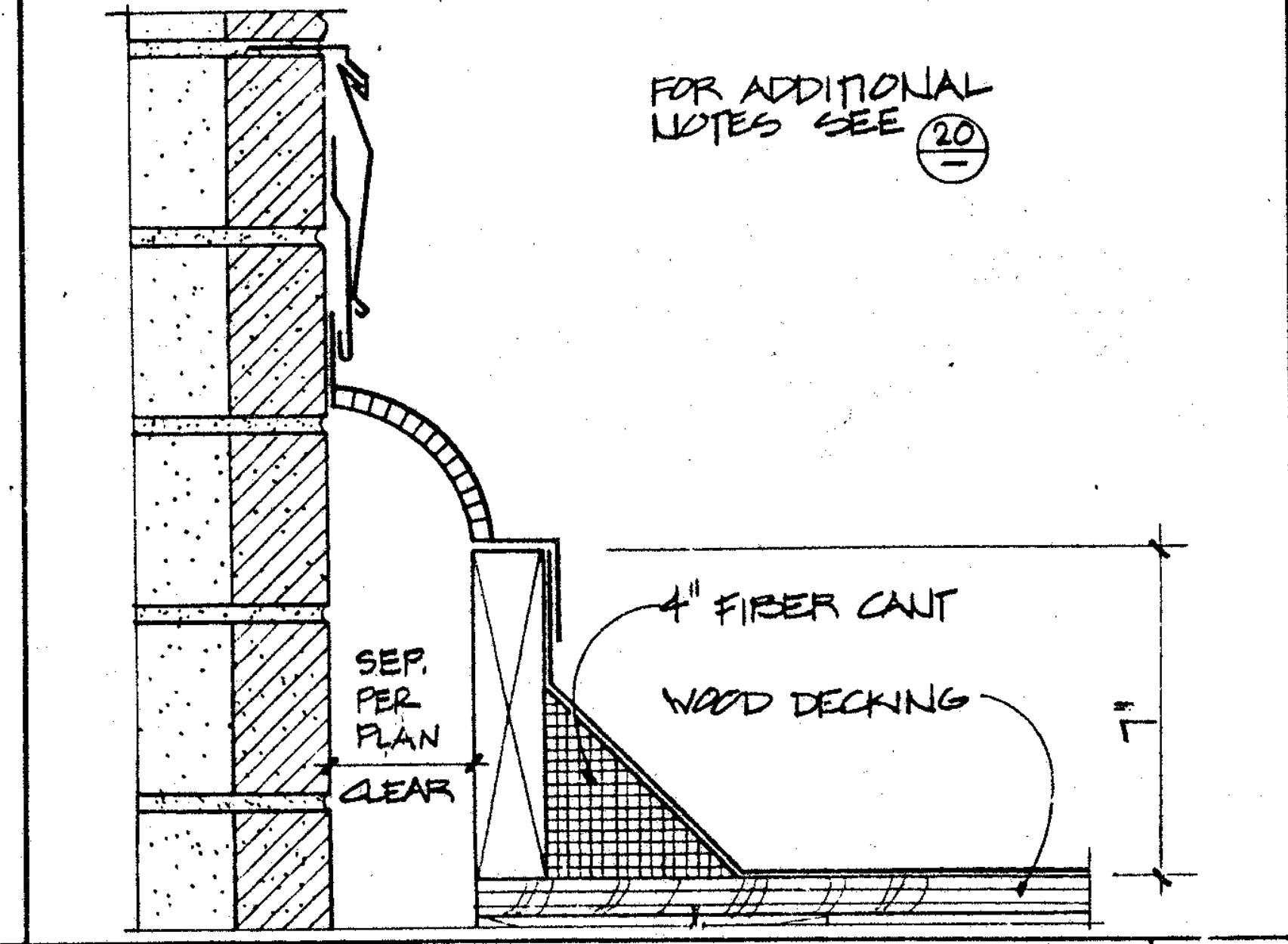
7/8" PLASTER
REGLET
J-MOLD
COUNTER-FLASHING
1/2" PLYWOOD
BASE FLASHINGS TO EXTEND 4" & 6" ONTO ROOF
B.U.R. 2" TO 4" DRY
3" FIBER CANT
B.U.R. MEMBRANE
TAPERED INSULATION
RIGID INSUL.
7/8" PLASTER
5"
8"

WALL FLASHING 3" **19**



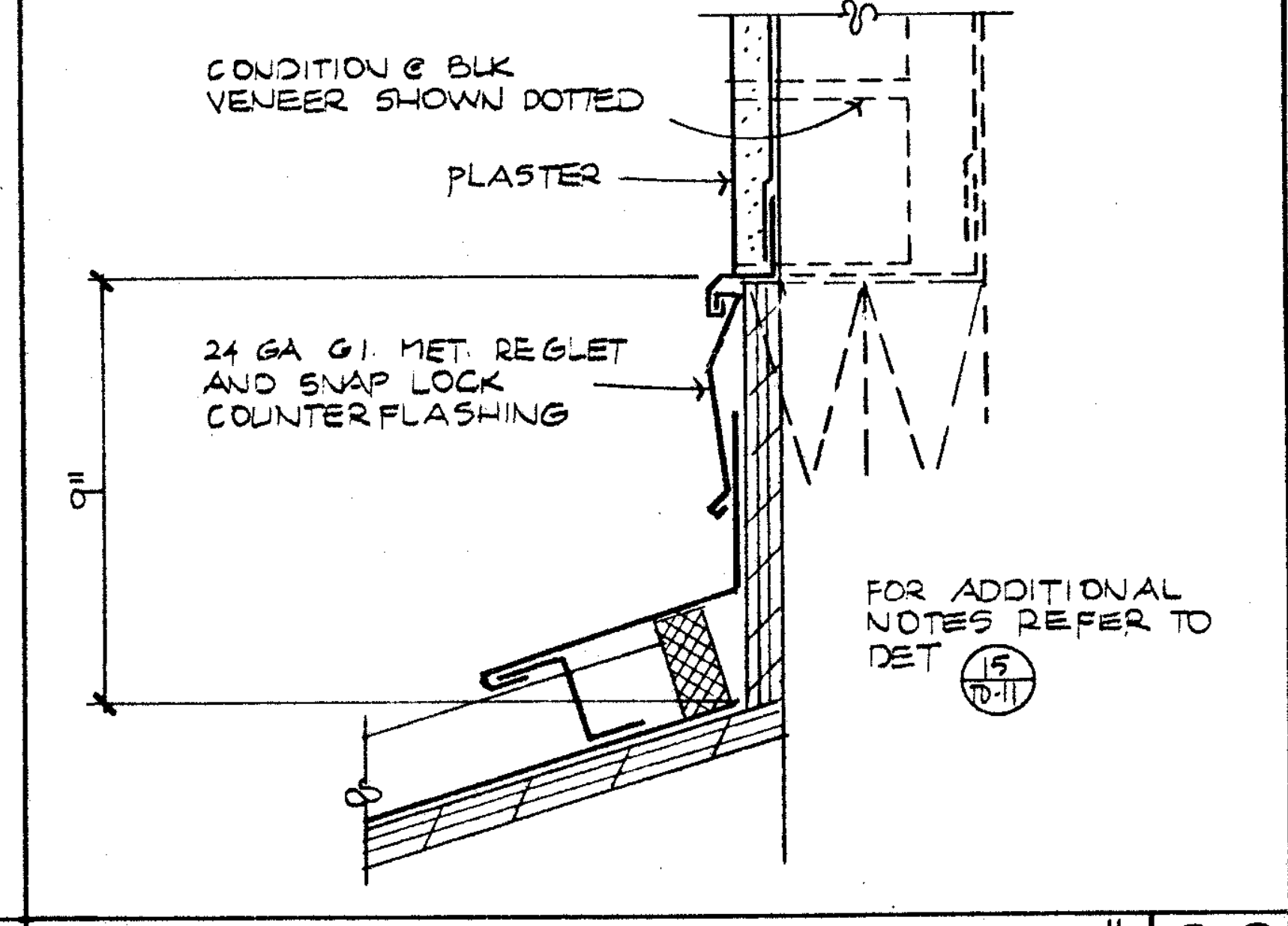
CONC. BLK. WALL
TYP. REGLET FLASHING
24 GA. G.I. COUNTERFLASHING
PREFORMED EXPANSION JOINT COVER
PREFIN. MTL. ROOFING
SEP PER PLAN
CLEAR
1"
3"

MTL. ROOF @ EXPANSION JT. 3" **20**



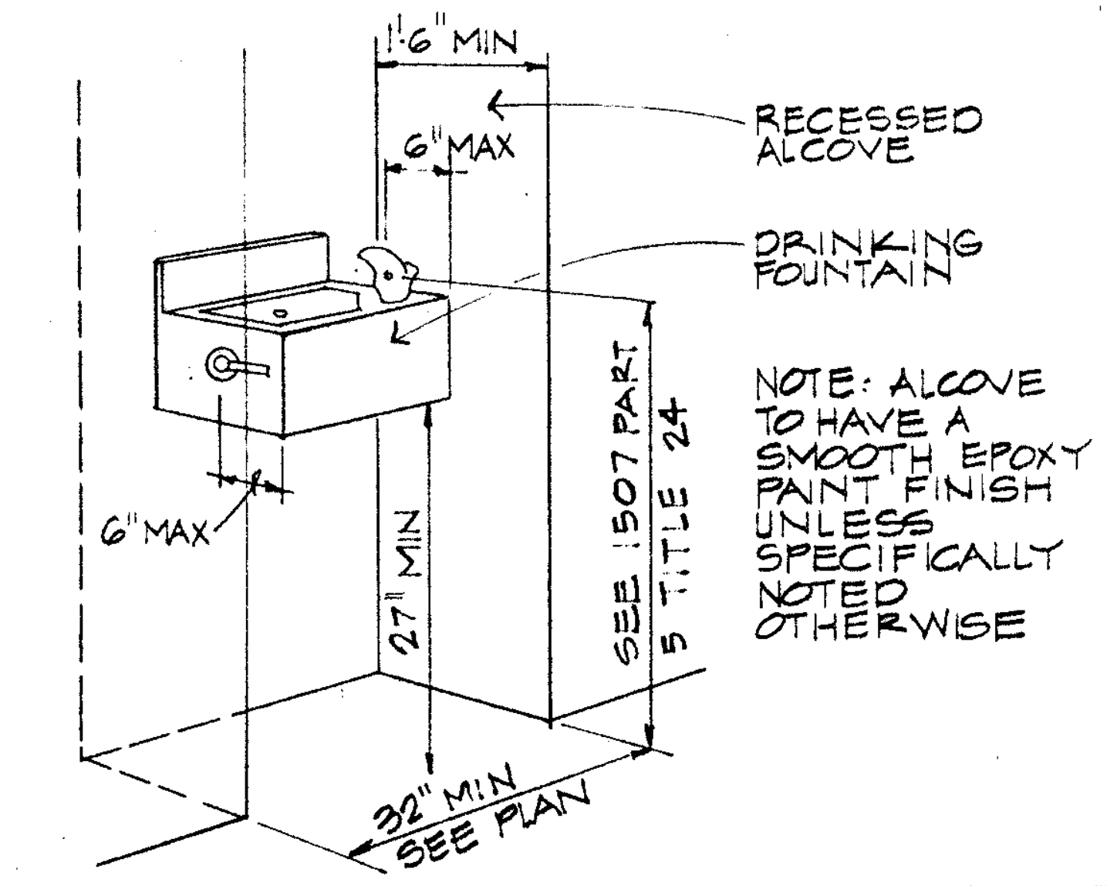
FOR ADDITIONAL NOTES SEE 20/-
SEP. PER PLAN
CLEAR
4" FIBER CANT
WOOD DECKING
9"
1"

WOOD DECK @ EXPANSION JT. 3" **21**



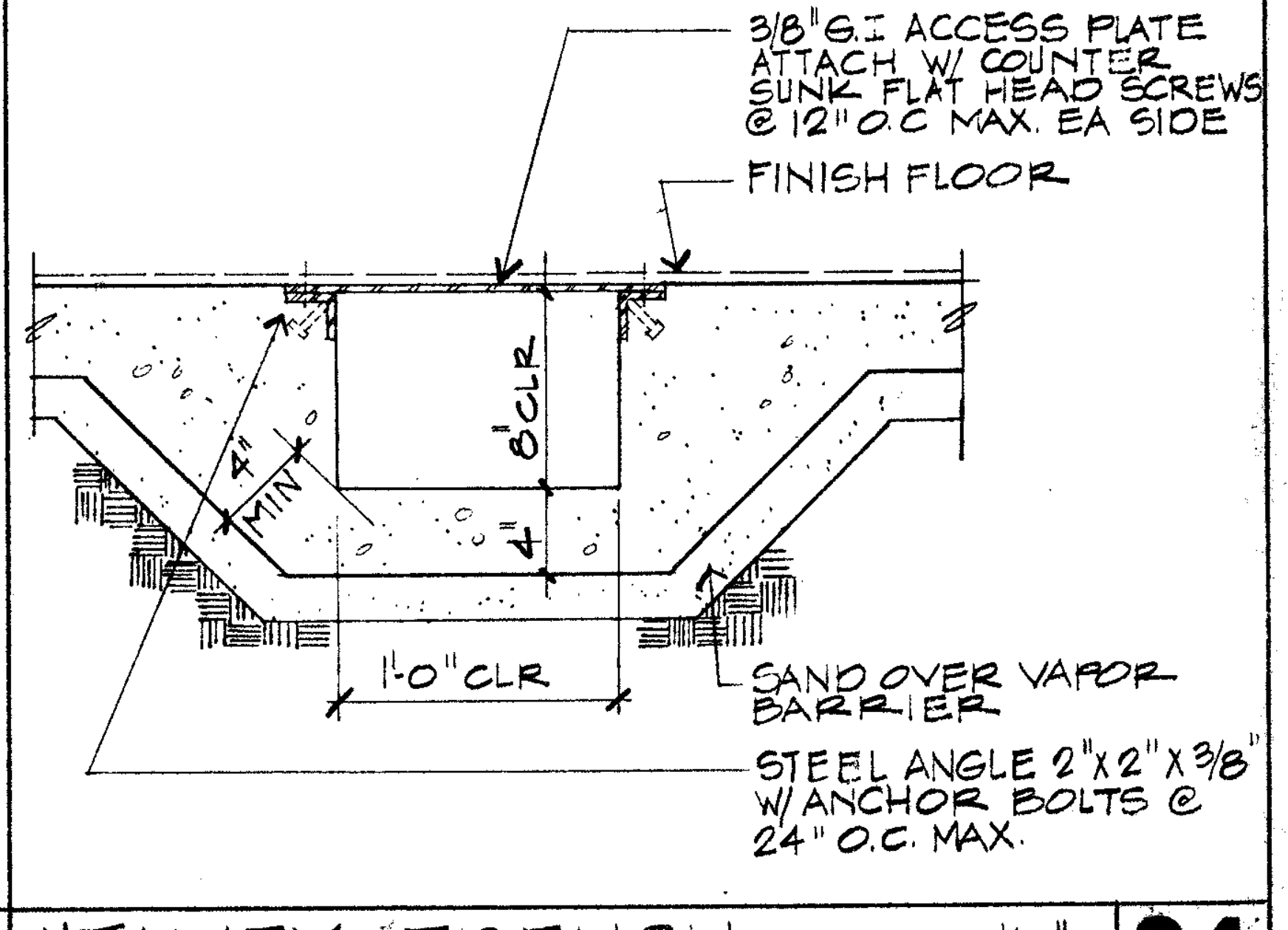
CONDITION @ BLK VENEER SHOWN DOTTED
PLASTER
24 GA G.I. MET. REGLET AND SNAP LOCK COUNTERFLASHING
9"
FOR ADDITIONAL NOTES REFER TO DET 15/TD-11

FLASHING @ METAL ROOF 3" **22**



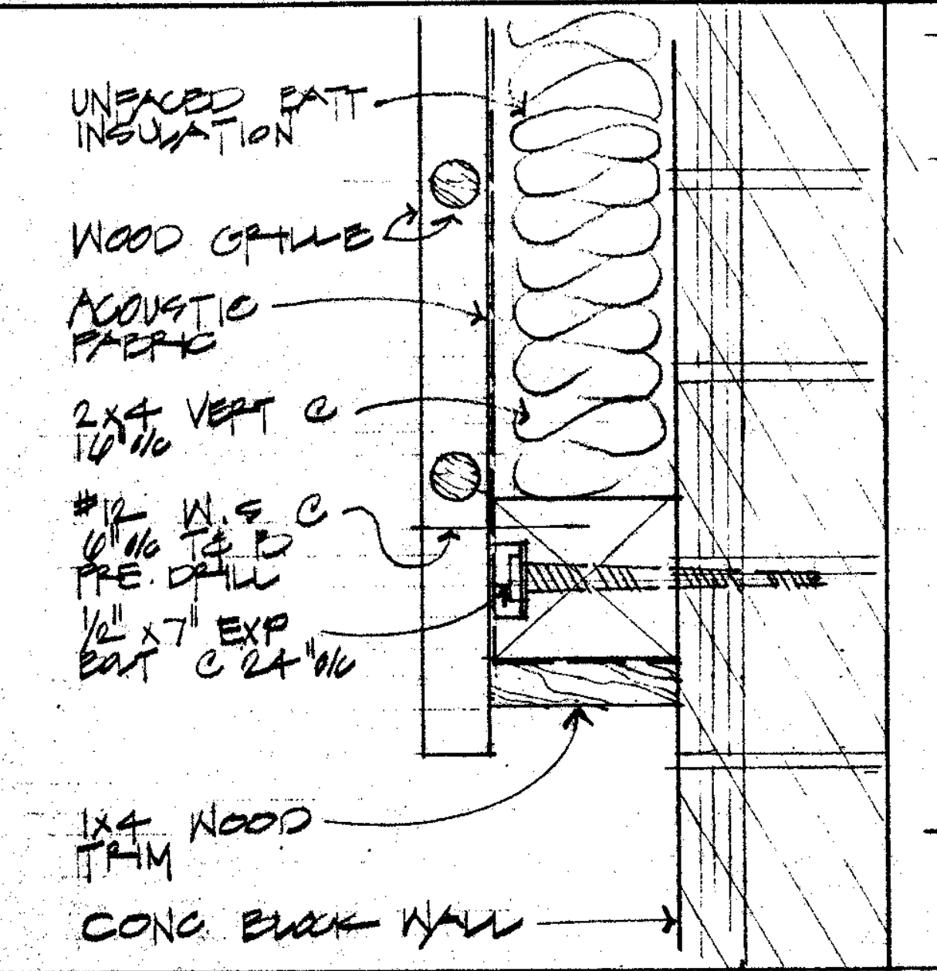
1'-6" MIN
6" MAX
RECESSED ALCOVE
DRINKING FOUNTAIN
NOTE: ALCOVE TO HAVE A SMOOTH EPOXY PAINT FINISH UNLESS SPECIFICALLY NOTED OTHERWISE
6" MAX
27" MIN
SEE 1507 PART 5 TITLE 24
32" MIN SEE PLAN

HANDICAP FOUNTAIN N.T.S. **23**



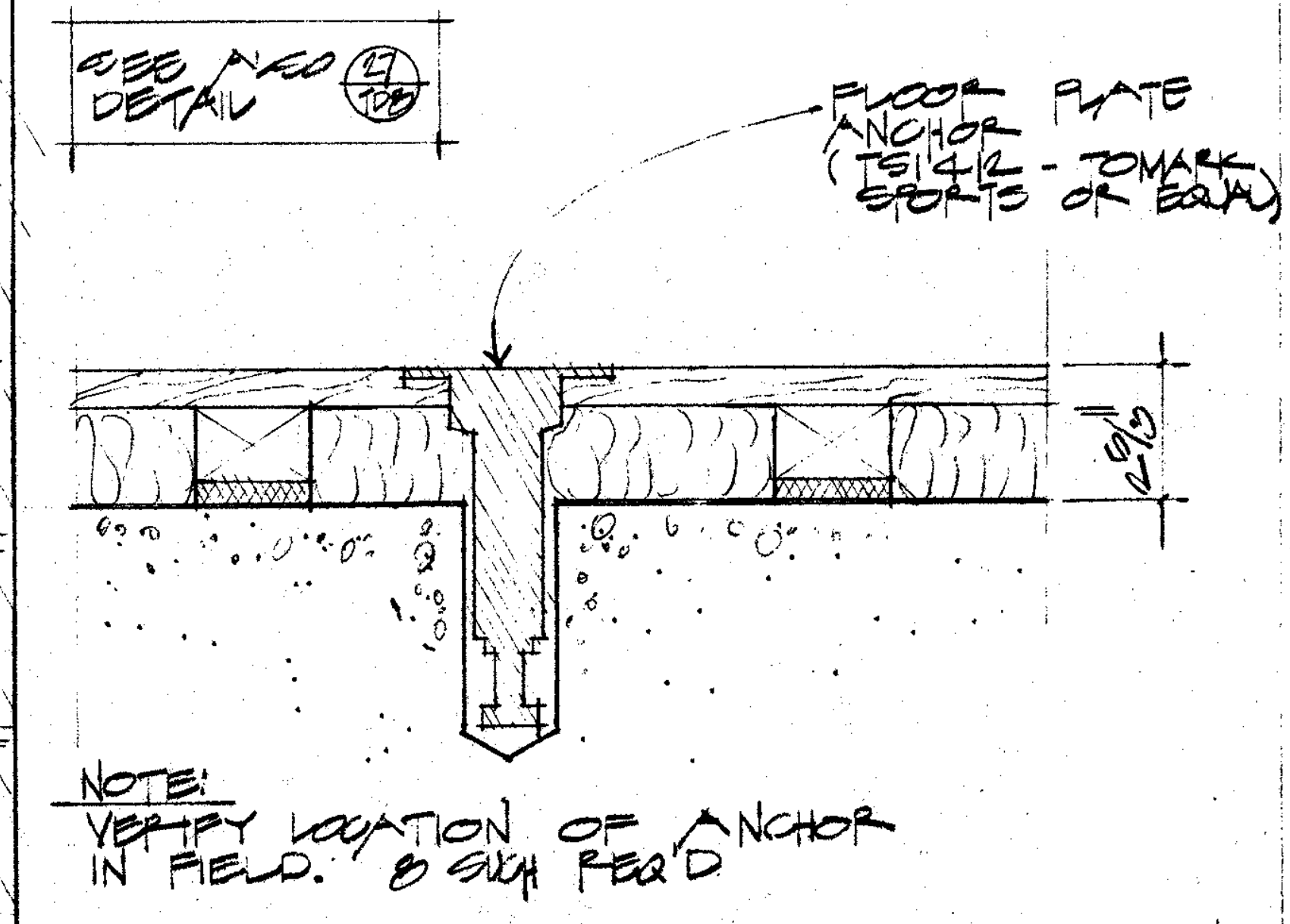
3/8" G.I. ACCESS PLATE ATTACH W/ COUNTER SUNK FLAT HEAD SCREWS @ 12" O.C MAX. EA SIDE
FINISH FLOOR
4" MIN
8" CLR
4"
1'-0" CLR
SAND OVER VAPOR BARRIER
STEEL ANGLE 2"x2"x3/8" W/ANCHOR BOLTS @ 24" O.C. MAX.

UTILITY TRENCH 1/2" **24**



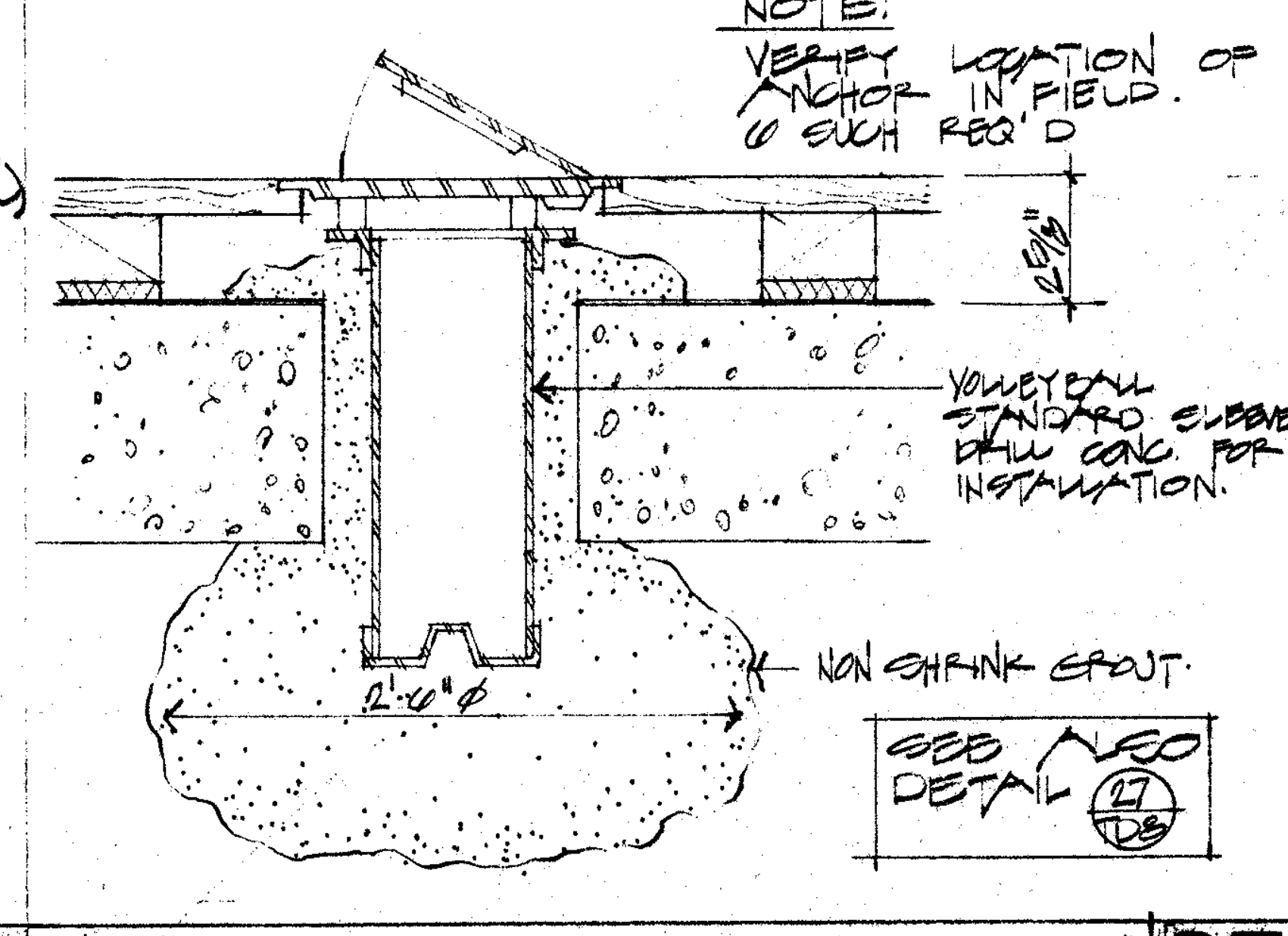
UNFACED BATT INSULATION
WOOD GRILLE
ACOUSTIC FABRIC
2x4 VERT @ 16" o/c
#12 W.S. @ 6" o/c T & B PRE-DRILL
1/2" x 7" EXP BOLT @ 24" o/c
1x4 WOOD TRIM
CONC. BLOCK WALL

WOOD GRILLE 1" **25**



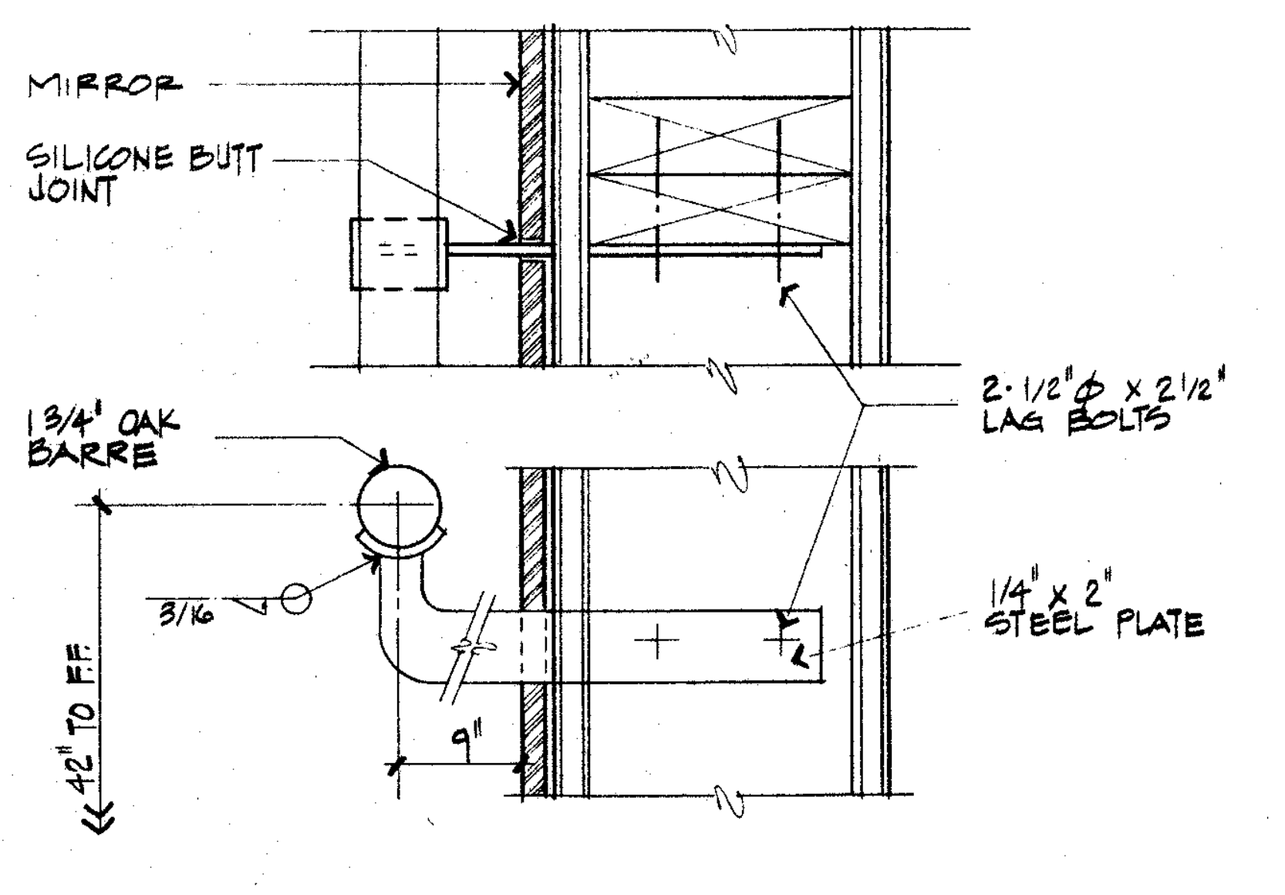
SEE ALSO DETAIL 27/TD8
FLOOR PLATE ANCHOR (TS1412 - TOMARK SPORTS OR EQUAL)
NOTE: VERIFY LOCATION OF ANCHOR IN FIELD. 8 SUCH REQ'D

GYMNASTICS FLOOR PLATE 3" **26**



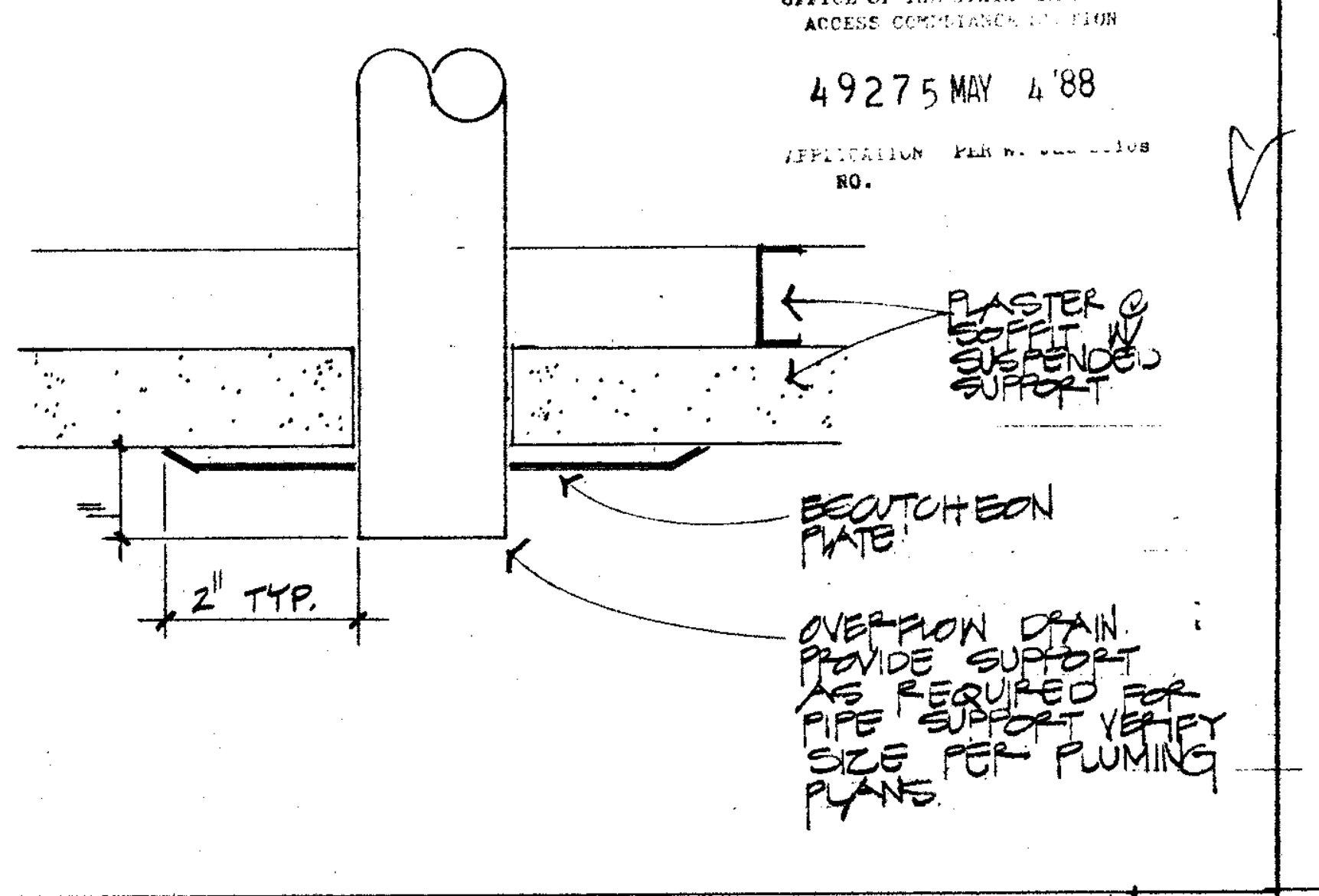
NOTE: VERIFY LOCATION OF ANCHOR IN FIELD. 6 SUCH REQ'D
VOLLEYBALL STANDARD SLEEVE DRILL CONC. FOR INSTALLATION.
2'-0" ϕ
NON SHRINK GROUT.
SEE ALSO DETAIL 27/TD8

VOLLEYBALL SLEEVE 3" **27**



MIRROR
SILICONE BUTT JOINT
1 3/4" OAK BARRE
2-1/2" ϕ x 2 1/2" LAG BOLTS
3/16
1/4" x 2" STEEL PLATE
42" TO F.F.
9"

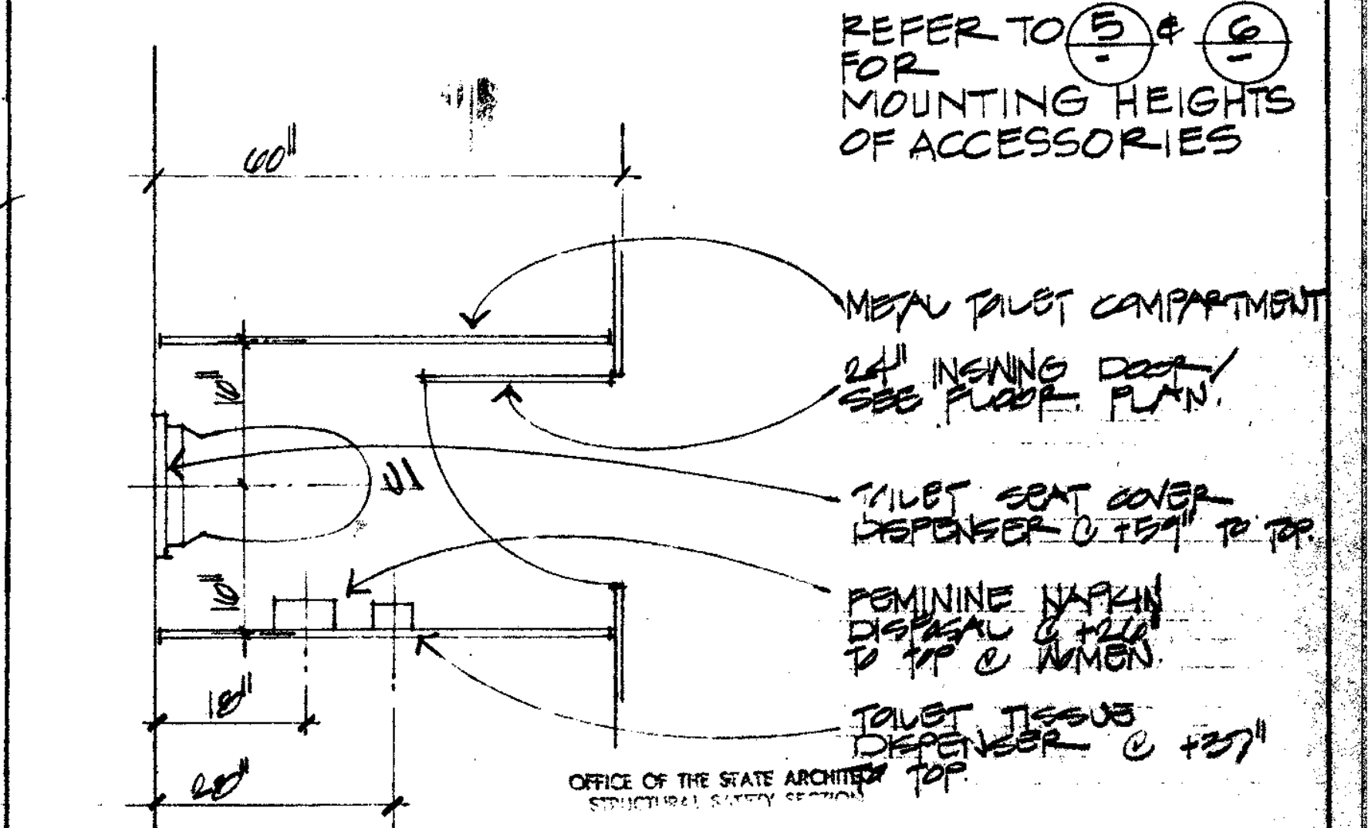
BALLET BAR **28**



PLASTER @ SOFFIT W/ SUSPENDED SUPPORT
ESCUTCHEON PLATE
OVERFLOW DRAIN. PROVIDE SUPPORT AS REQUIRED FOR PIPE SUPPORT VERIFY SIZE PER PLUMING PLANS.
2" TYP.

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88
APPLICATION NO.

OVERFLOW DRAIN @ SOFFIT 6" **29**



REFER TO 5/- & 6/- FOR MOUNTING HEIGHTS OF ACCESSORIES
60"
METAL TOILET COMPARTMENT
24" INSWING DOOR/SEE FLOOR PLAN.
TOILET SEAT COVER DISPENSER @ +59" TO TOP
FEMININE NAPKIN DISPOSAL @ +24" TO TOP @ WOMEN
TOILET TISSUE DISPENSER @ +37" TOP
18"
18"
28"

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPROVED APPLICATION NO.
John P. M. Conty

TYPICAL TOILET STALL N.T.S. **30**

Drawn By
Checked By
Date MARCH 1988
Commission No. 1.30.02

Revisions

Architects Planners
RUHNAU McGAVIN RUHNAU/ASSOCIATES
3775 Tenth Street
Riverside, CA 92501-3669
714/684-4664
5751 Palmer Way, Suite C
Carlsbad, CA 92008-1995
619/438-5839

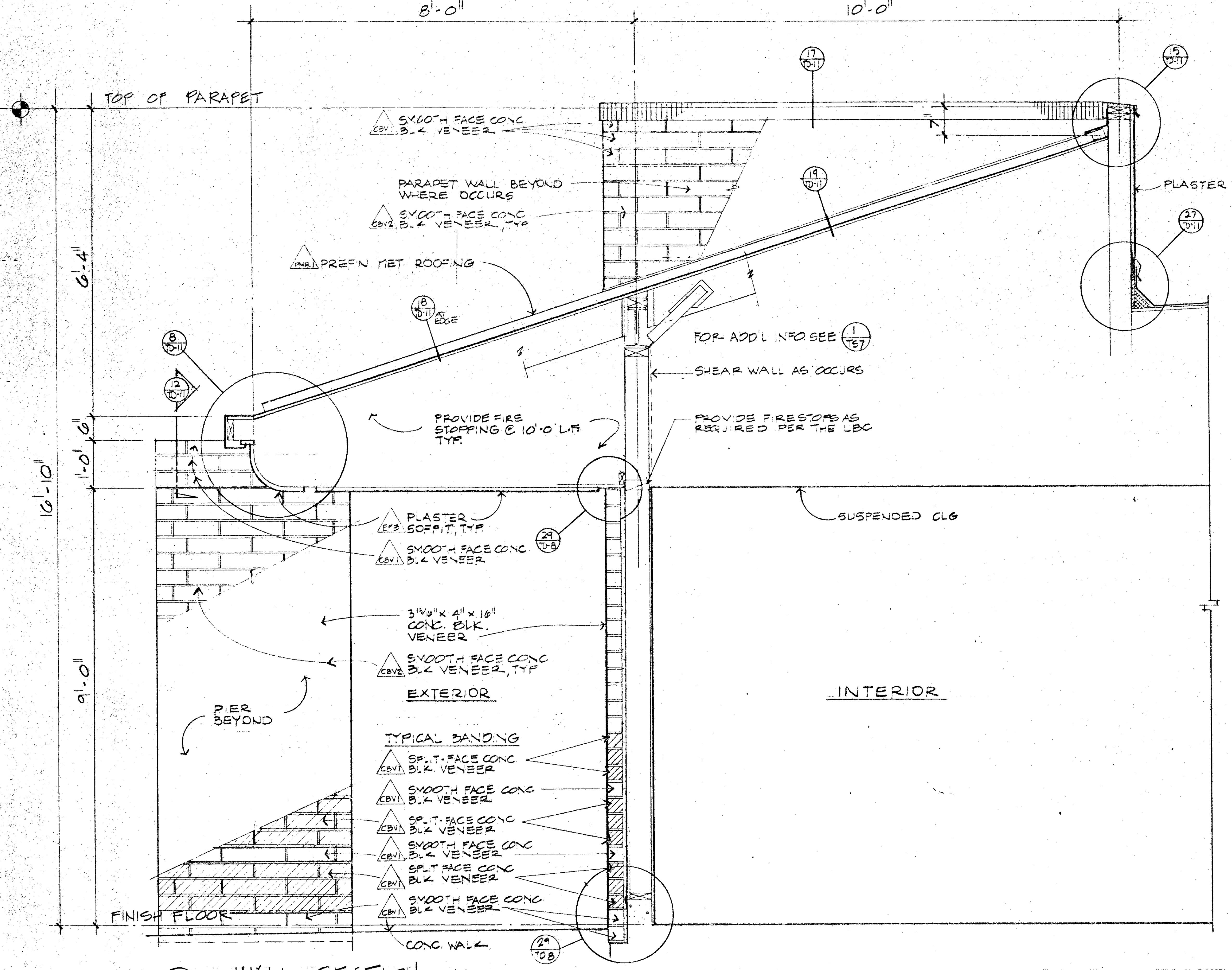
ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

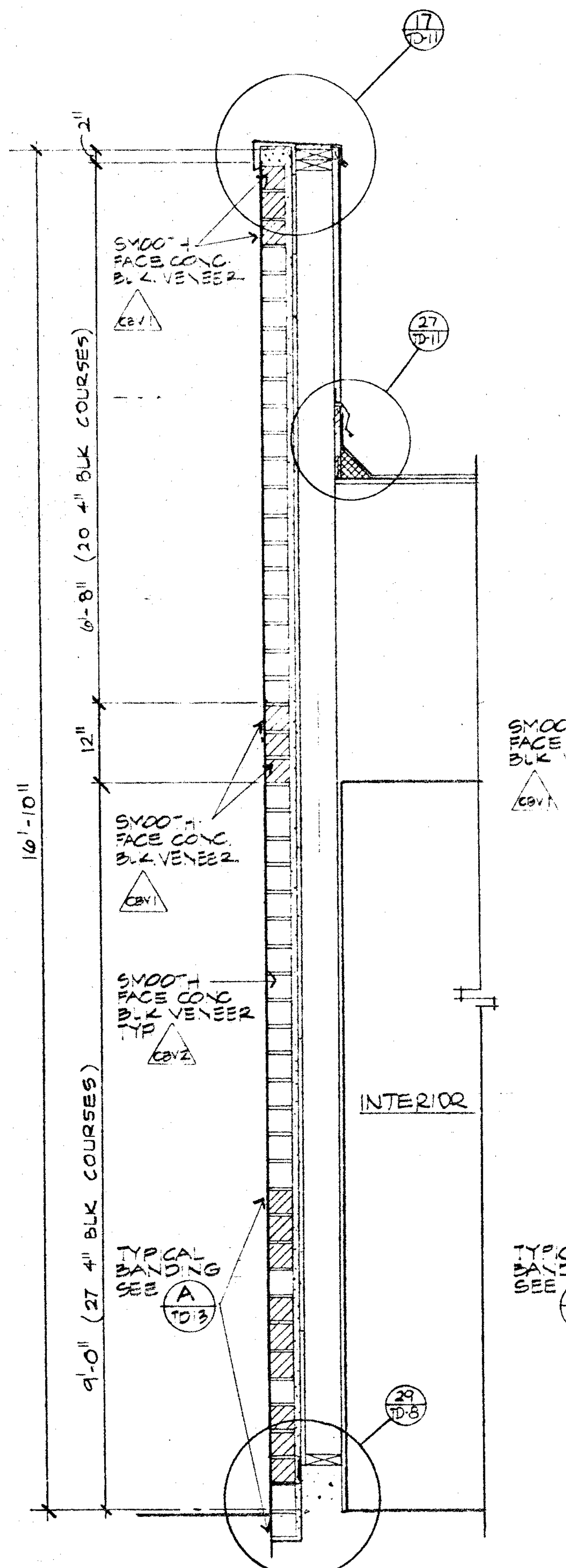
General Details

APPROVED FIRE AND PANIC ONLY
JUN 20 1988
STATE FIRE MARSHAL SOUTHERN REGION

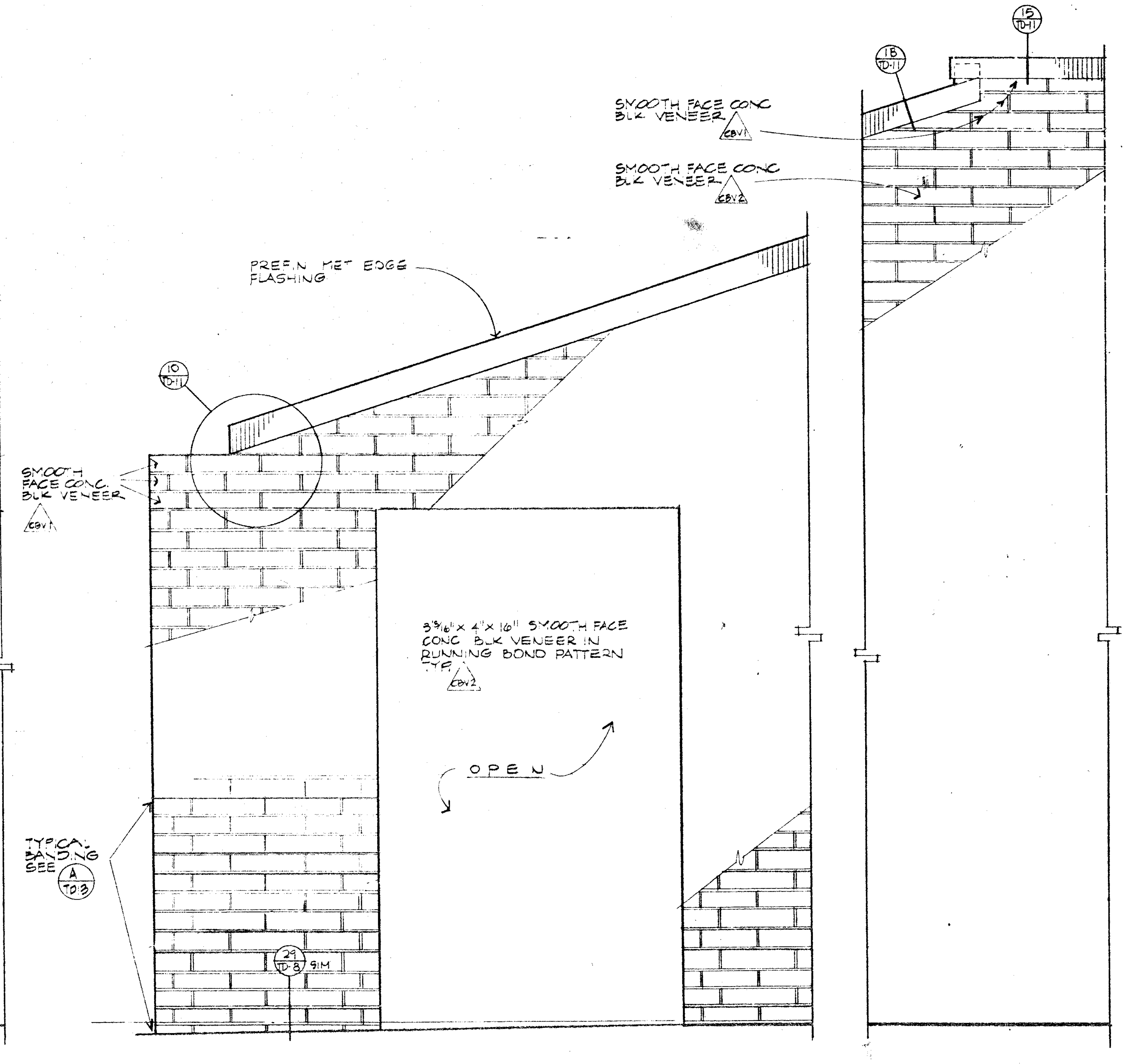
Sheet Number
TD-12
Of Sheets


8'-0"
10'-0"
TOP OF PARAPET
17 TD-11
15 TD-11
CBV SMOOTH FACE CONC BLK VENEER
PARAPET WALL BEYOND WHERE OCCURS
CBV2 SMOOTH FACE CONC BLK VENEER, TYP
19 TD-11
PLASTER
27 TD-11
PMR1 PREFIN MET ROOFING
18 TD-11 AT EDGE
6'-4"
8 TD-11
12 TD-11
FOR ADD'L INFO SEE 1 TS7
SHEAR WALL AS OCCURS
PROVIDE FIRE STOPPING @ 10'-0" L.F. TYP.
PROVIDE FIRESTOPS AS REQUIRED PER THE UBC
6"
1'-0"
16'-10"
EF3 PLASTER SOFFIT, TYP
CBV1 SMOOTH FACE CONC BLK VENEER
29 TD-8
SUSPENDED CLG
3 13/16" x 4" x 16" CONC. BLK. VENEER
CBV2 SMOOTH FACE CONC BLK VENEER, TYP
EXTERIOR
INTERIOR
9'-0"
PIER BEYOND
TYPICAL BANDING
CBV1 SPLIT-FACE CONC BLK VENEER
CBV1 SMOOTH FACE CONC BLK VENEER
CBV1 SPLIT-FACE CONC BLK VENEER
CBV1 SMOOTH FACE CONC BLK VENEER
CBV1 SPLIT FACE CONC BLK VENEER
CBV1 SMOOTH FACE CONC BLK VENEER
FINISH FLOOR
CONC. WALK
29 TD8

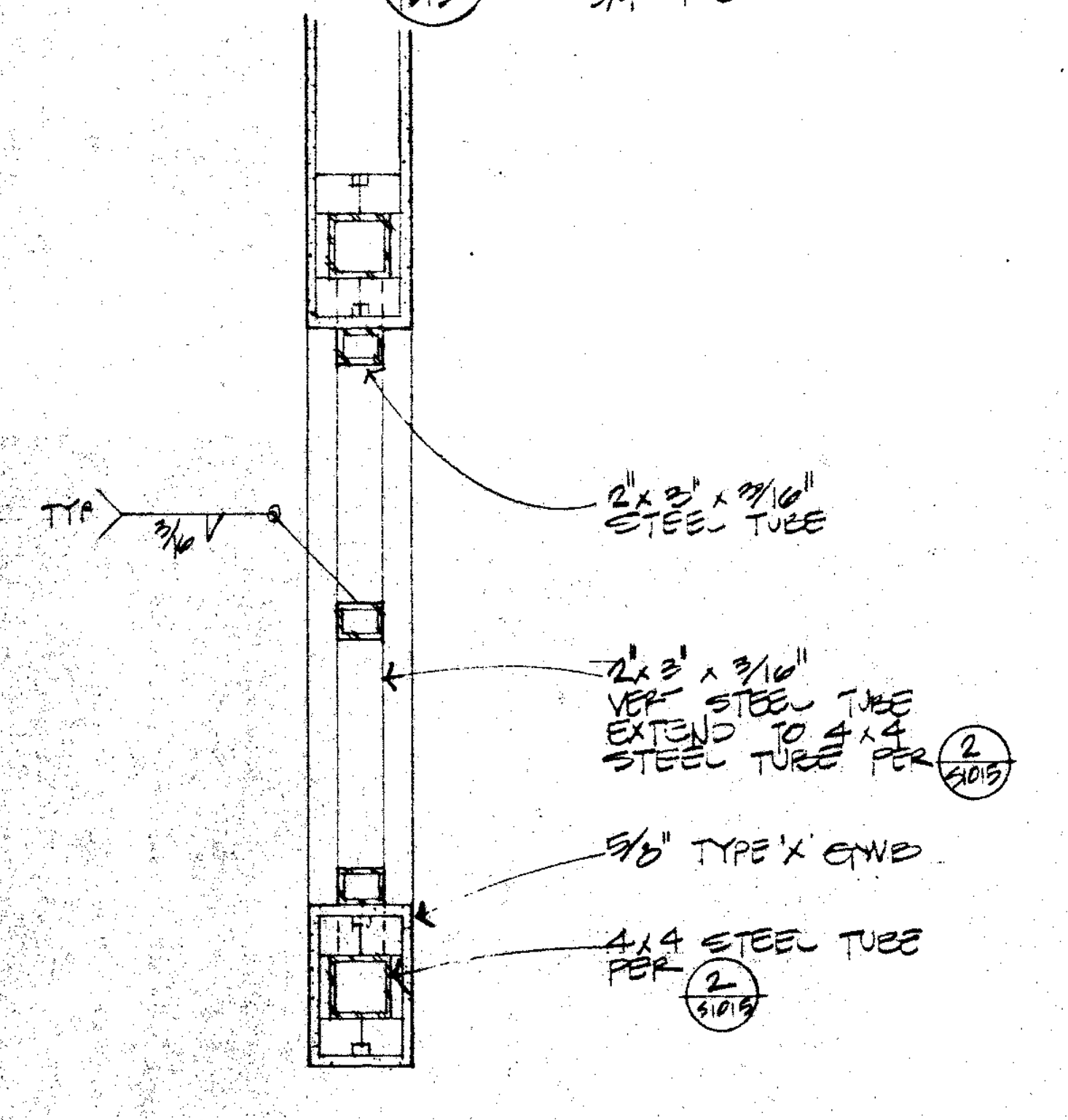
A TD13 WALL SECTION
3/4" = 1'-0"


17 TD-11
2"
SMOOTH FACE CONC. BLK. VENEER CBV1
27 TD-11
6'-8" (20 4" BLK COURSES)
12"
16'-10"
SMOOTH FACE CONC. BLK. VENEER CBV1
SMOOTH FACE CONC BLK VENEER TYP CBV2
INTERIOR
9'-0" (27 4" BLK COURSES)
TYPICAL BANDING SEE A TD3
29 TD-8

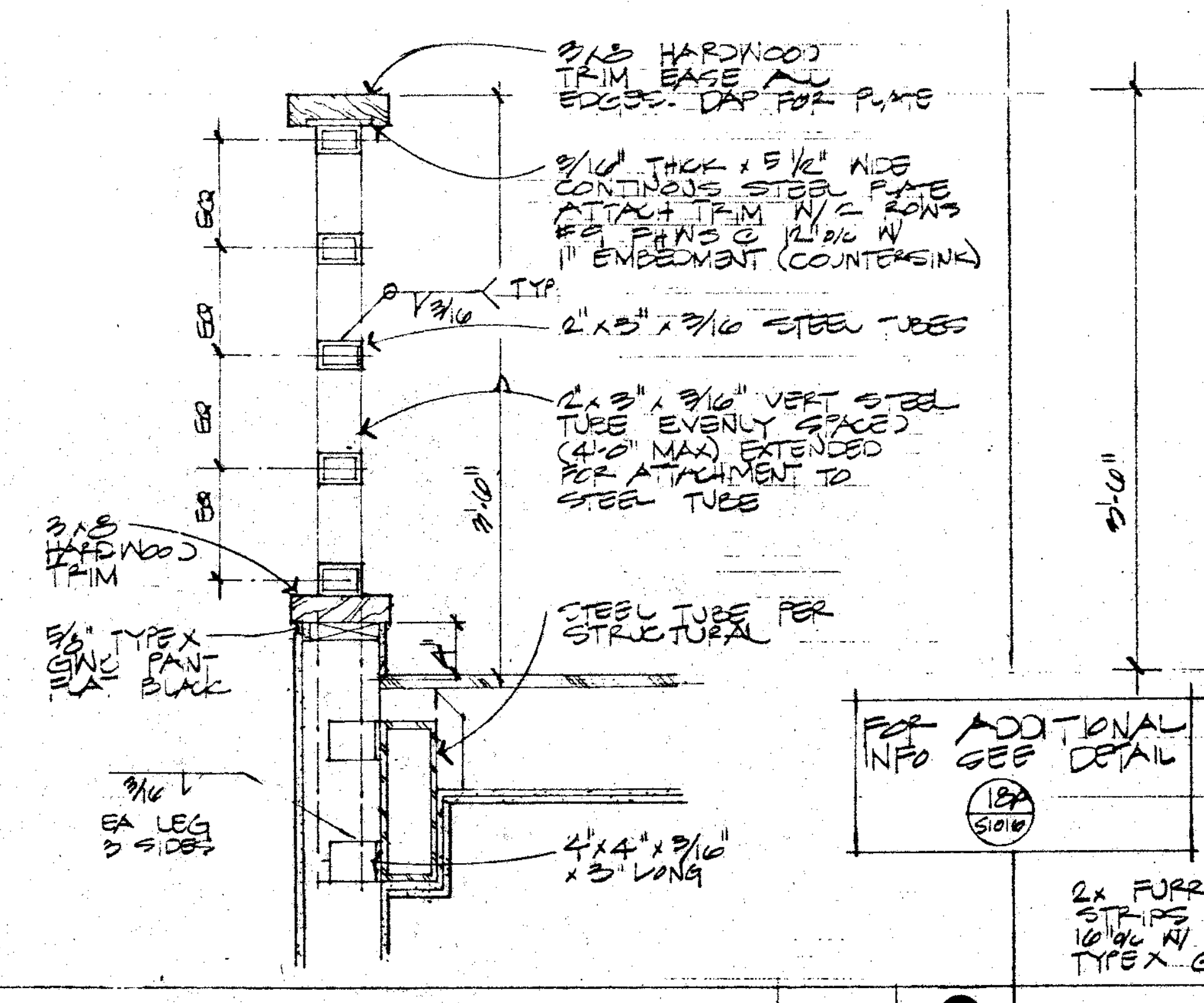
B TD13 WALL SECTION
3/4" = 1'-0"


15 TD-11
18 TD-11
SMOOTH FACE CONC BLK VENEER CBV1
SMOOTH FACE CONC BLK VENEER CBV2
PREFIN MET EDGE FLASHING
10 TD-11
SMOOTH FACE CONC. BLK VENEER CBV1
3 13/16" x 4" x 16" SMOOTH FACE CONC BLK VENEER IN RUNNING BOND PATTERN TYP. CBV2
OPEN
TYPICAL BANDING SEE A TD3
29 TD-8 SIM

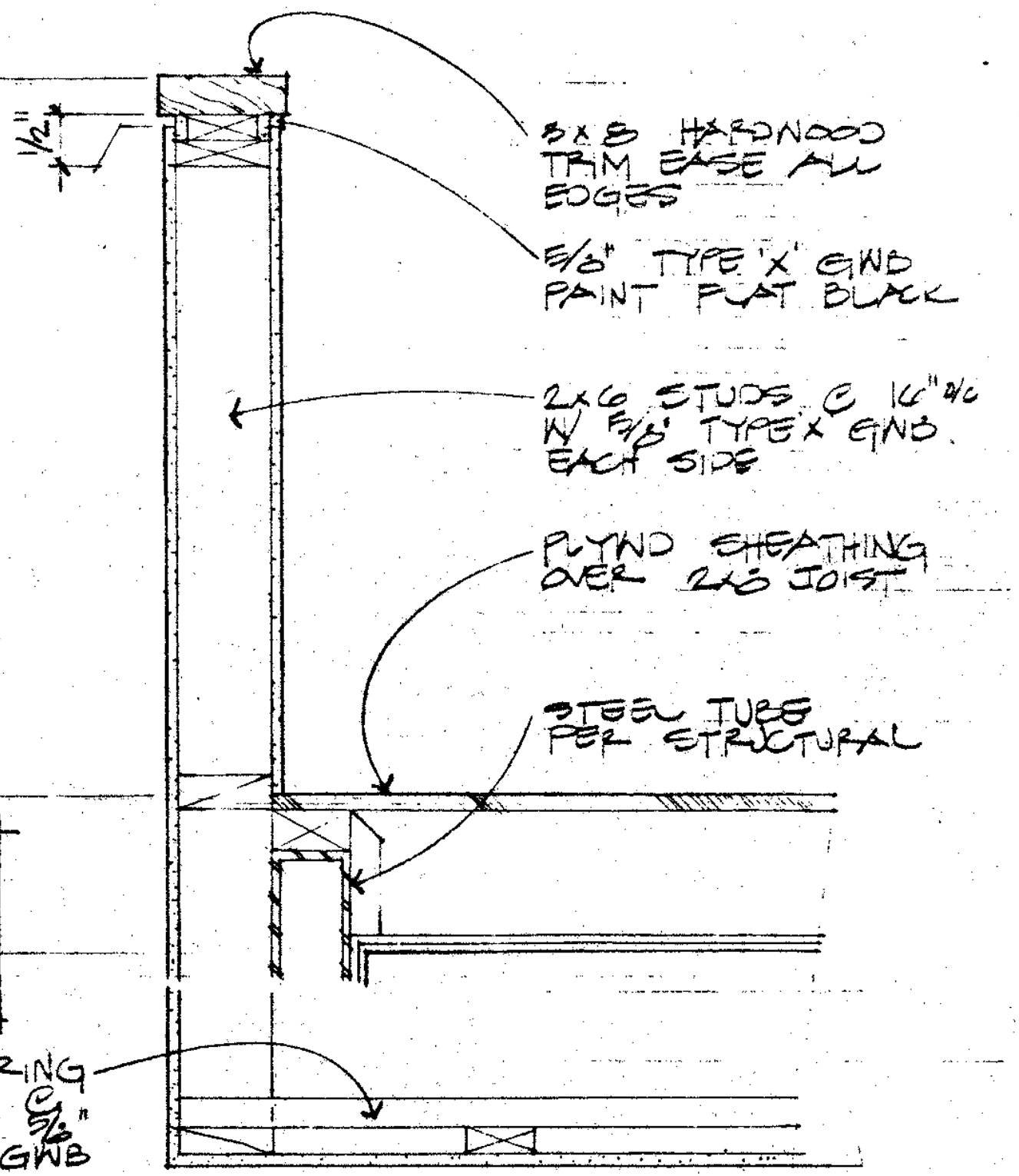
C TD13 TYPICAL END ELEVATION
3/4" = 1'-0"


TYP 3/16
2" x 3" x 3/16" STEEL TUBE
2" x 3" x 3/16" VERT STEEL TUBE EXTEND TO 4x4 STEEL TUBE PER 2 S1015
5/8" TYPE 'X' GWB
4x4 STEEL TUBE PER 2 S1015

METAL GRILL 1" **1**


3x8 HARDWOOD TRIM EASE ALL EDGES. DAP FOR PLATE
3/16" THICK x 5 1/2" WIDE CONTINOUS STEEL PLATE ATTACH TRIM W/ 2 ROWS #9 FHWS @ 12" o/c W 1" EMBEDMENT (COUNTERSINK)
TYP.
3/16
2" x 3" x 3/16 STEEL TUBES
2" x 3" x 3/16" VERT STEEL TUBE EVENLY SPACED (4'-0" MAX) EXTENDED FOR ATTACHMENT TO STEEL TUBE
3'-6"
3x8 HARDWOOD TRIM
5/8" TYPE X GWB PAINT FLAT BLACK
STEEL TUBE PER STRUCTURAL
3/16 EA LEG 3 SIDES
4" x 4" x 3/16" x 3" LONG
FOR ADDITIONAL INFO SEE DETAIL 18A S1016

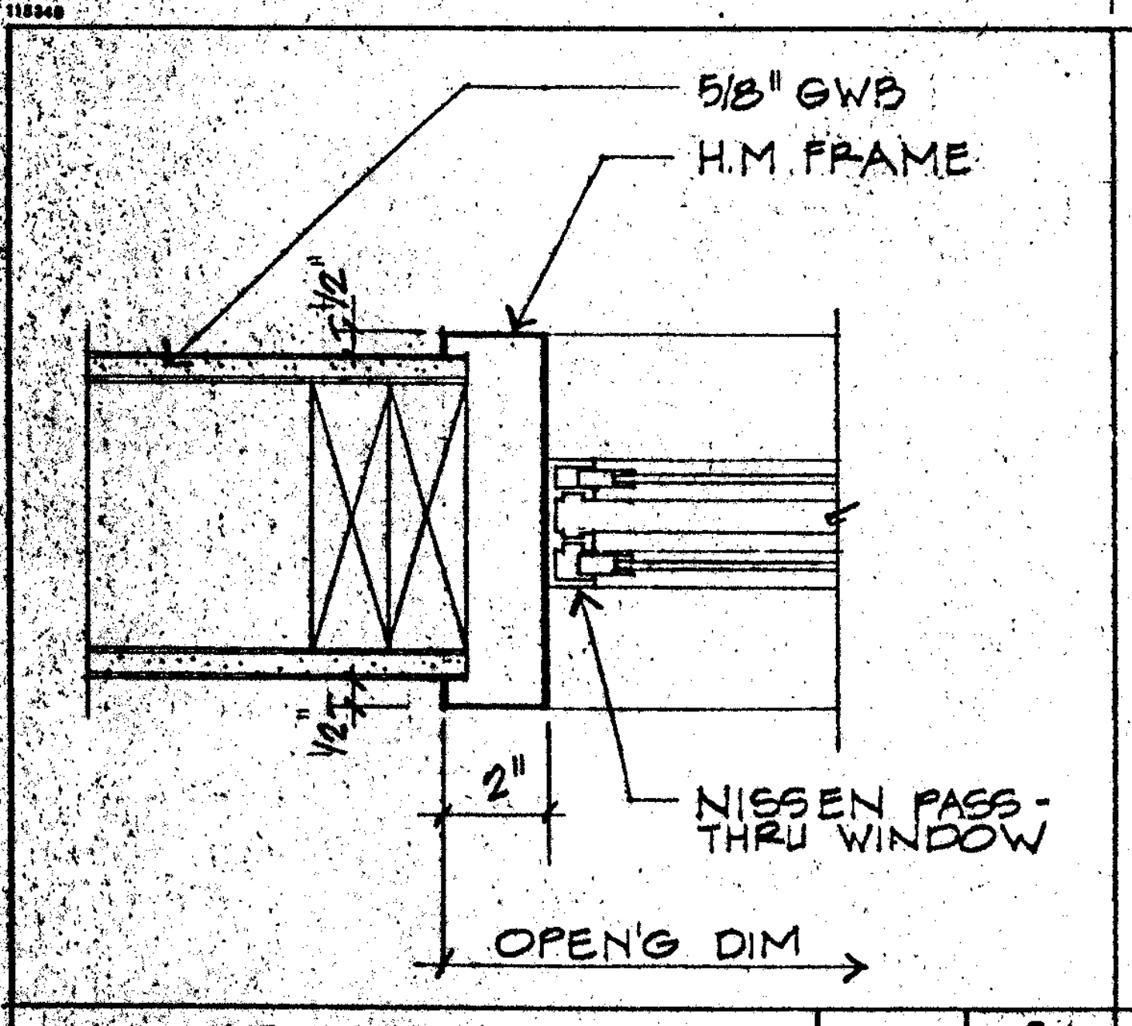
GUARD RAIL 1" **2**


1 1/2"
3x8 HARDWOOD TRIM EASE ALL EDGES
5/8" TYPE 'X' GWB PAINT FLAT BLACK
2x6 STUDS @ 16" o/c W/ 5/8" TYPE X GWB EACH SIDE
3'-6"
PLYWD SHEATHING OVER 2x8 JOIST
STEEL TUBE PER STRUCTURAL
2x FURRING STRIPS @ 16" o/c W/ 5/8" TYPE X GWB

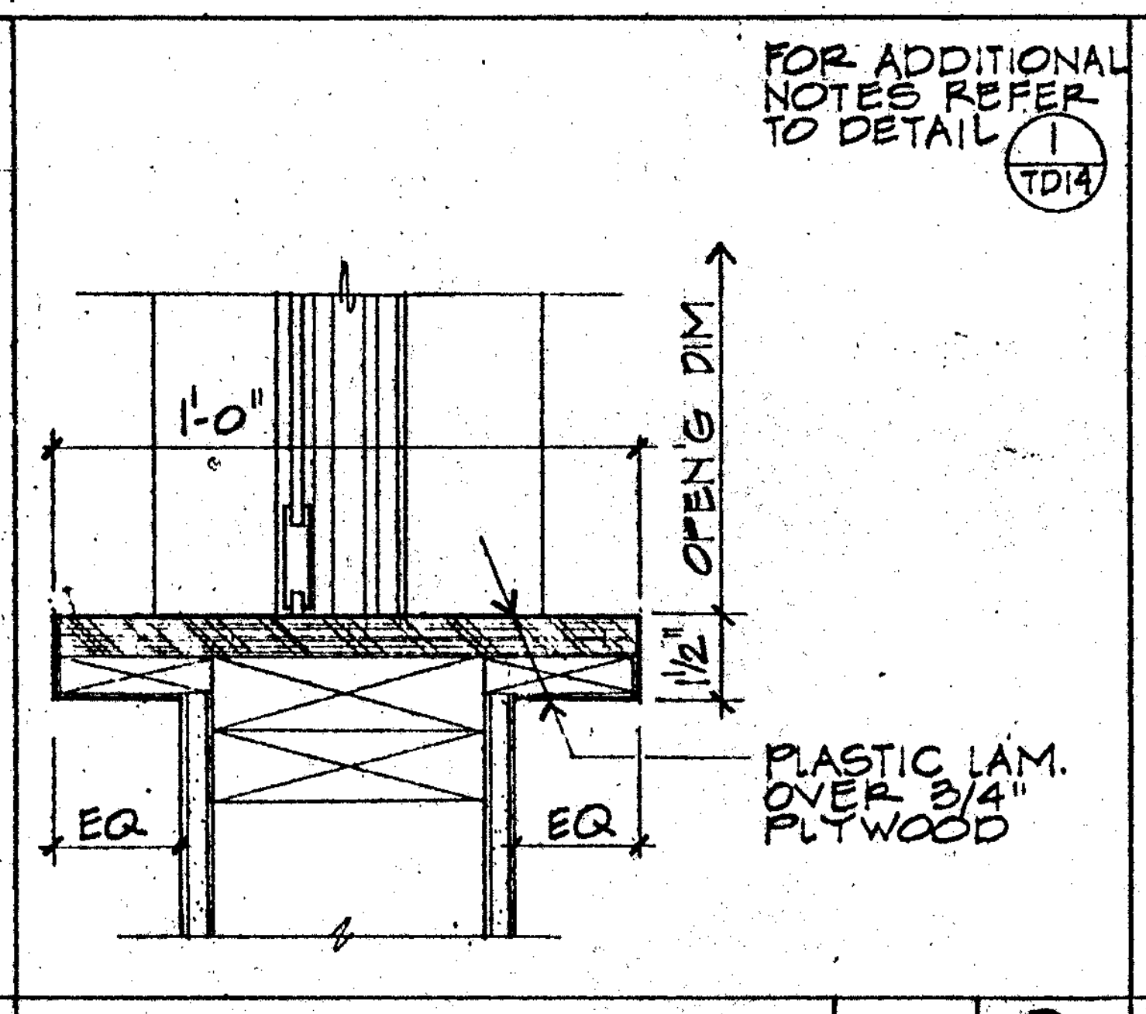
GUARD RAIL 1" **3**

Drawn By Checked By Date MARCH 1988 Commission No. 1.30.02	Revisions A 6/29/88 PHASING		Architects Planners RUHNAU McGAVIN RUHNAU/ASSOCIATES 3775 Tenth Street Riverside, CA 92501-3669 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-1995 619/438-5899	ARCHITECT C-6497	**West Hills High School** Grossmont Union High School District San Diego, Ca San Diego County	**Typical Sections**	Sheet Number **TD-13** Of Sheets

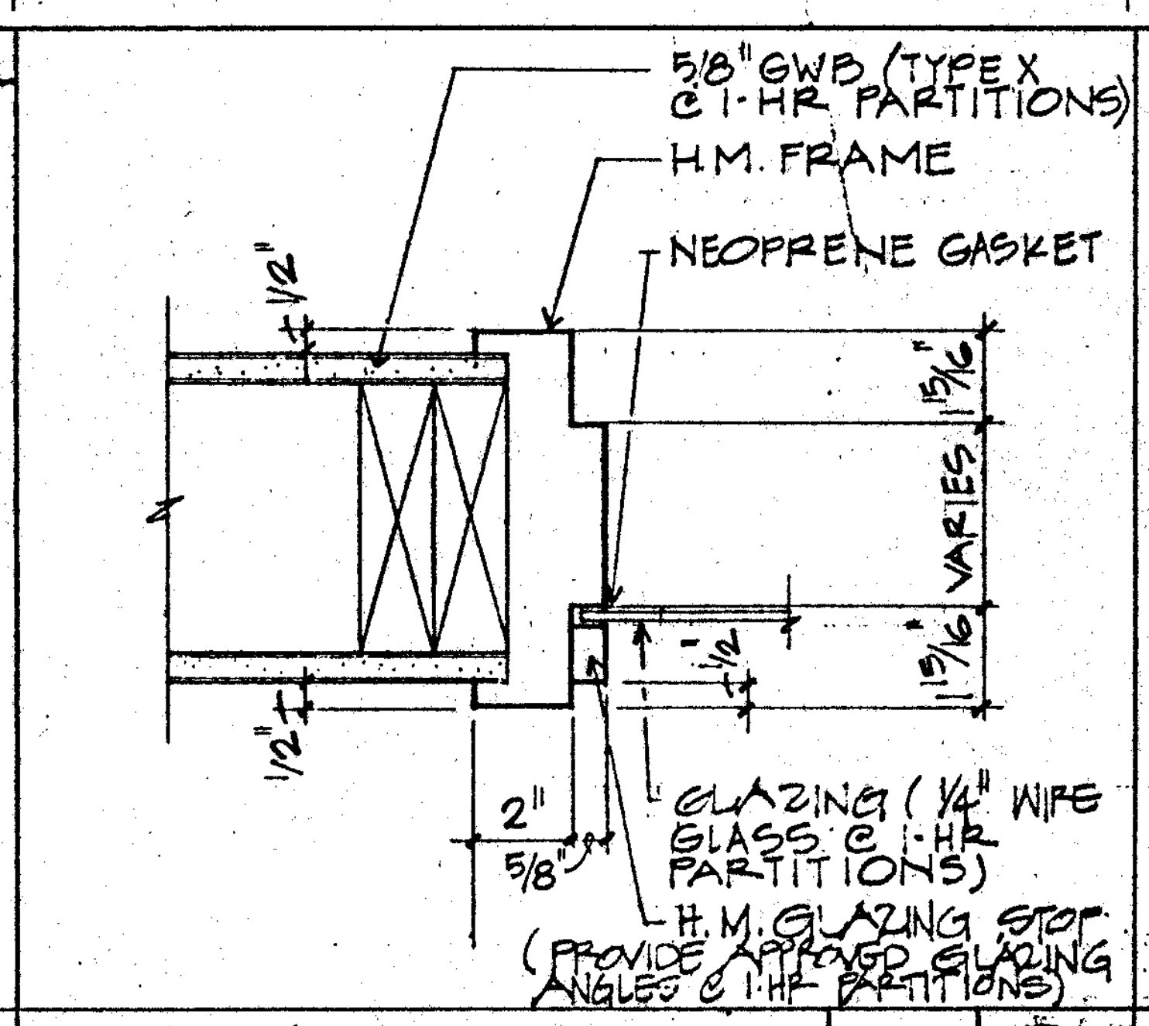
115348


5/8" GWB
H.M. FRAME
1/2"
1/2"
2"
NISSEN PASS-THRU WINDOW
OPEN'G DIM

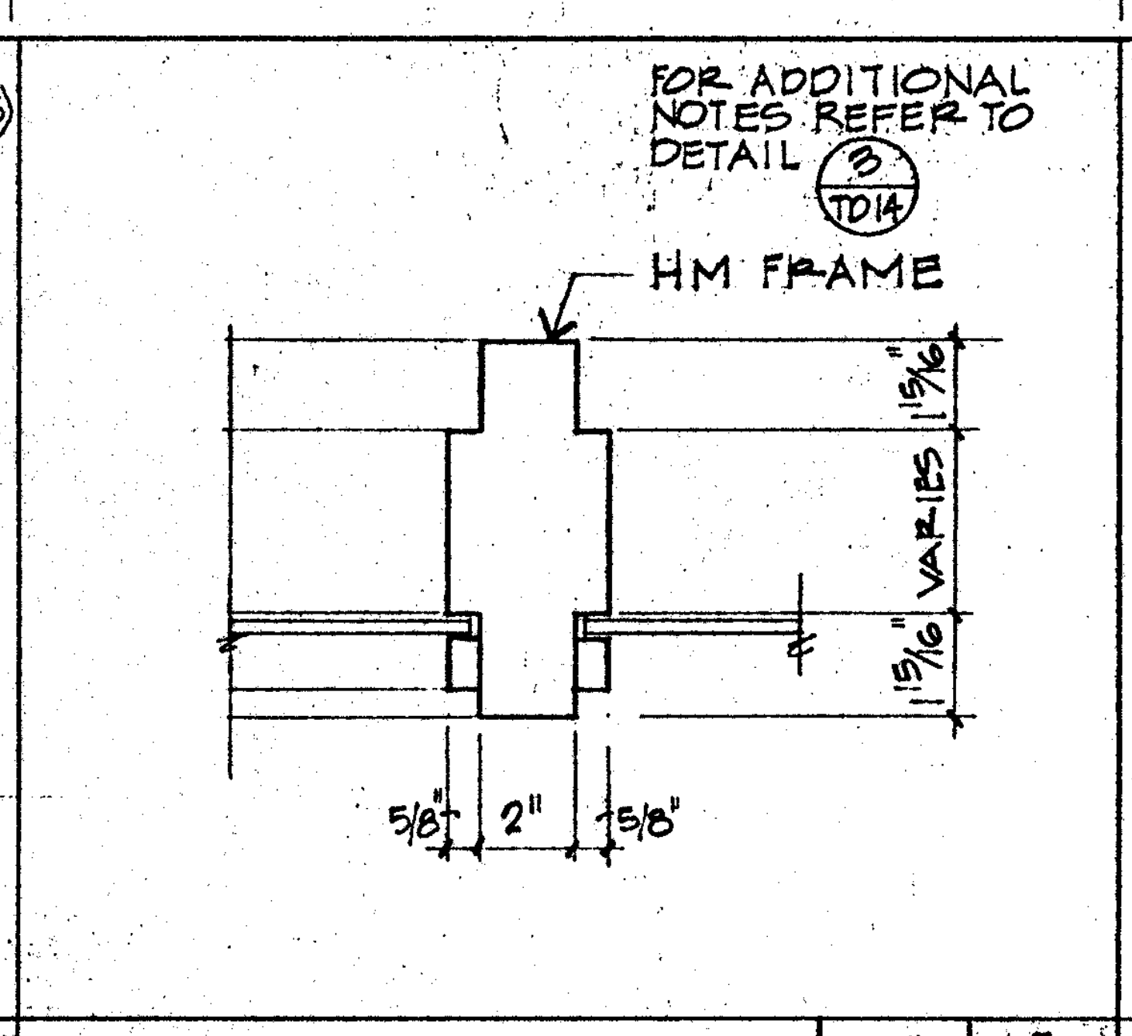
JAMB-HEAD SIM. 3" **1**


FOR ADDITIONAL NOTES REFER TO DETAIL 1/TD14
1'-0"
OPEN'G DIM
1 1/2"
EQ
EQ
PLASTIC LAM. OVER 3/4" PLYWOOD

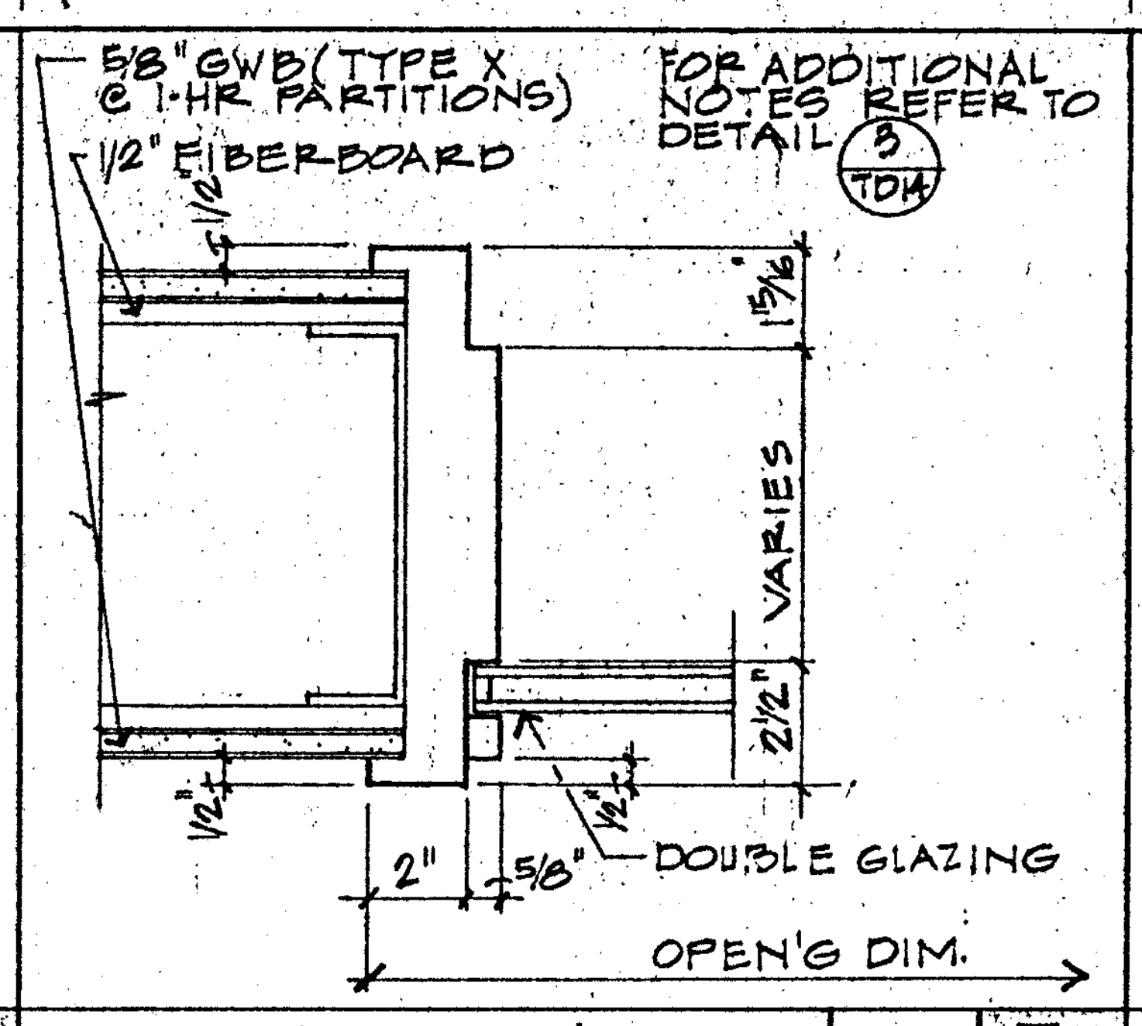
SILL 3" **2**


5/8" GWB (TYPE X @ 1-HR PARTITIONS)
H.M. FRAME
NEOPRENE GASKET
1/2"
15/16"
VARIES
15/16"
1/2"
1/2"
2"
5/8"
GLAZING (1/4" WIRE GLASS @ 1-HR PARTITIONS)
H.M. GLAZING STOP (PROVIDE APPROVED GLAZING ANGLES @ 1-HR PARTITIONS)

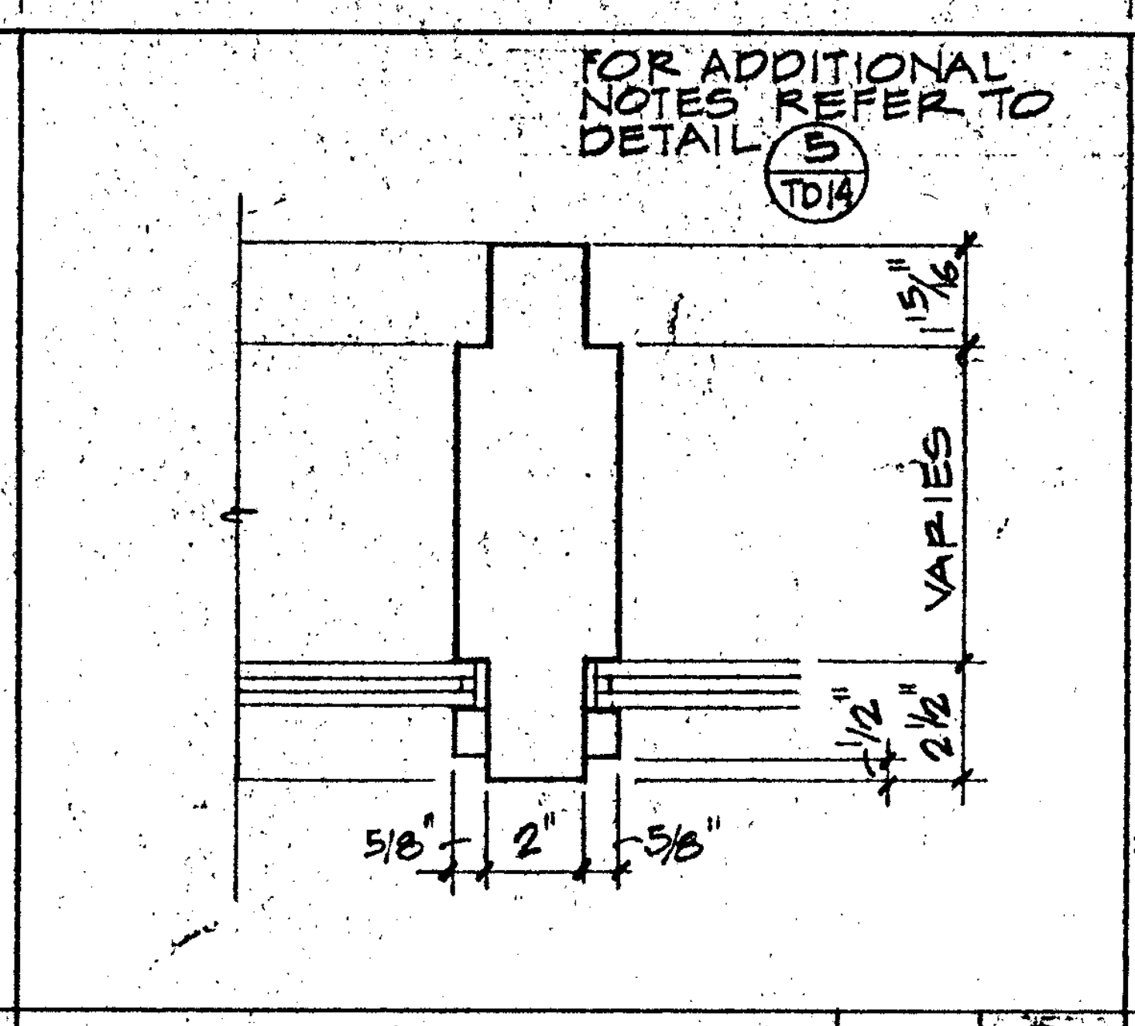
HEAD/JAMB/SILL 3" **3**


FOR ADDITIONAL NOTES REFER TO DETAIL 3/TD14
HM FRAME
15/16"
VARIES
15/16"
5/8"
2"
5/8"

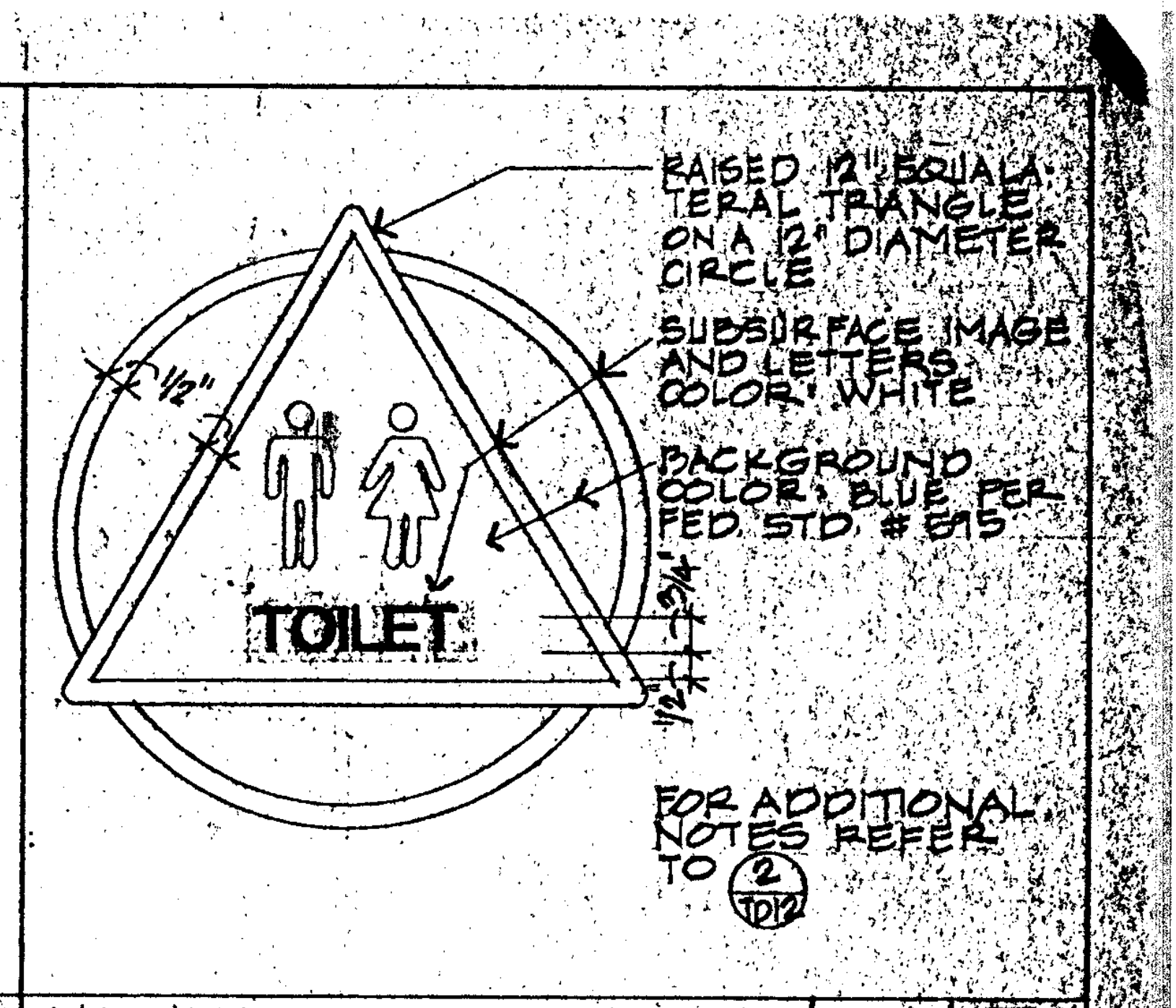
MULLION 3" **4**


5/8" GWB (TYPE X @ 1-HR PARTITIONS)
1/2" FIBERBOARD
FOR ADDITIONAL NOTES REFER TO DETAIL 3/TD14
1/2"
15/16"
VARIES
2 1/2"
1/2"
1/2"
2"
5/8"
DOUBLE GLAZING
OPEN'G DIM.

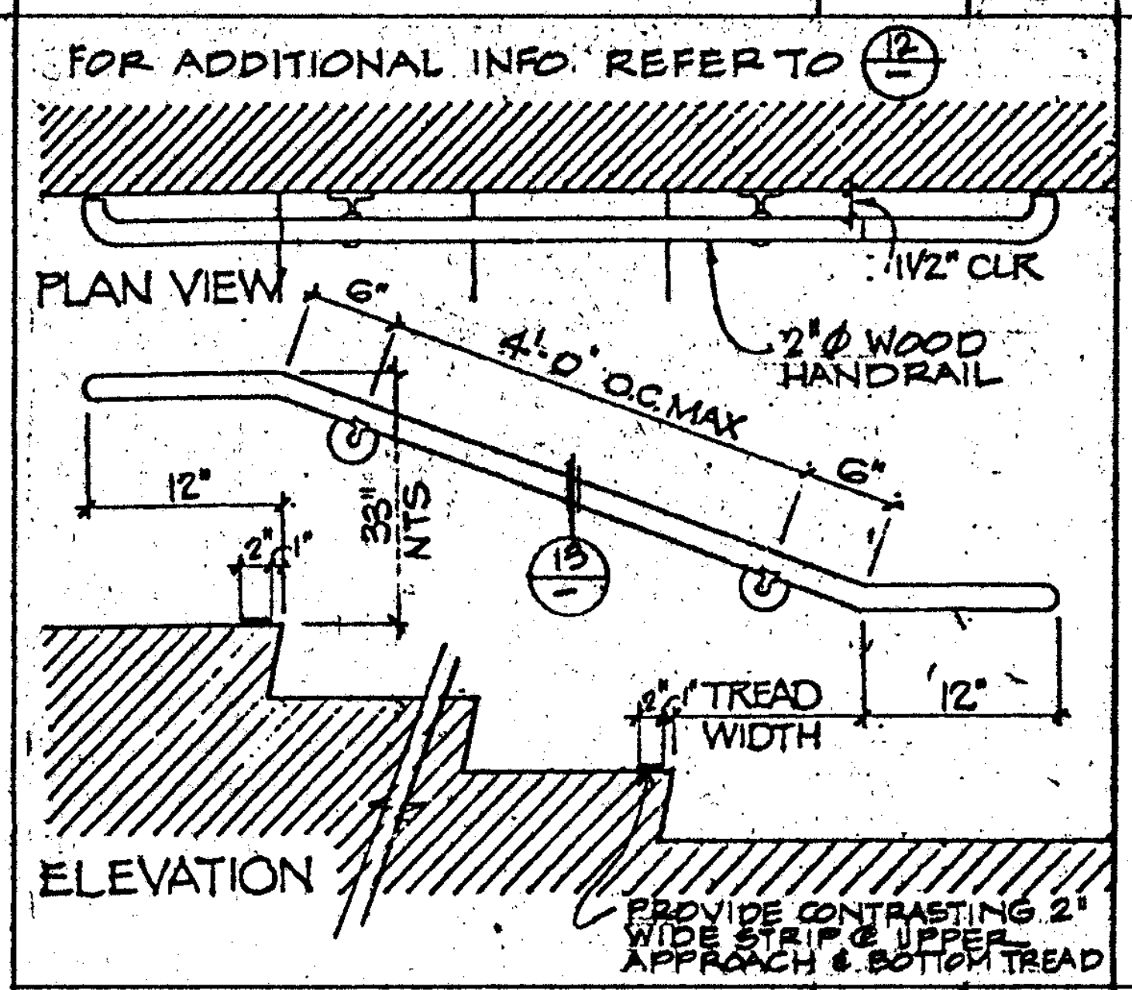
HEAD/JAMB/SILL 3" **5**


FOR ADDITIONAL NOTES REFER TO DETAIL 5/TD14
15/16"
VARIES
1 1/2"
2 1/2"
5/8"
2"
5/8"

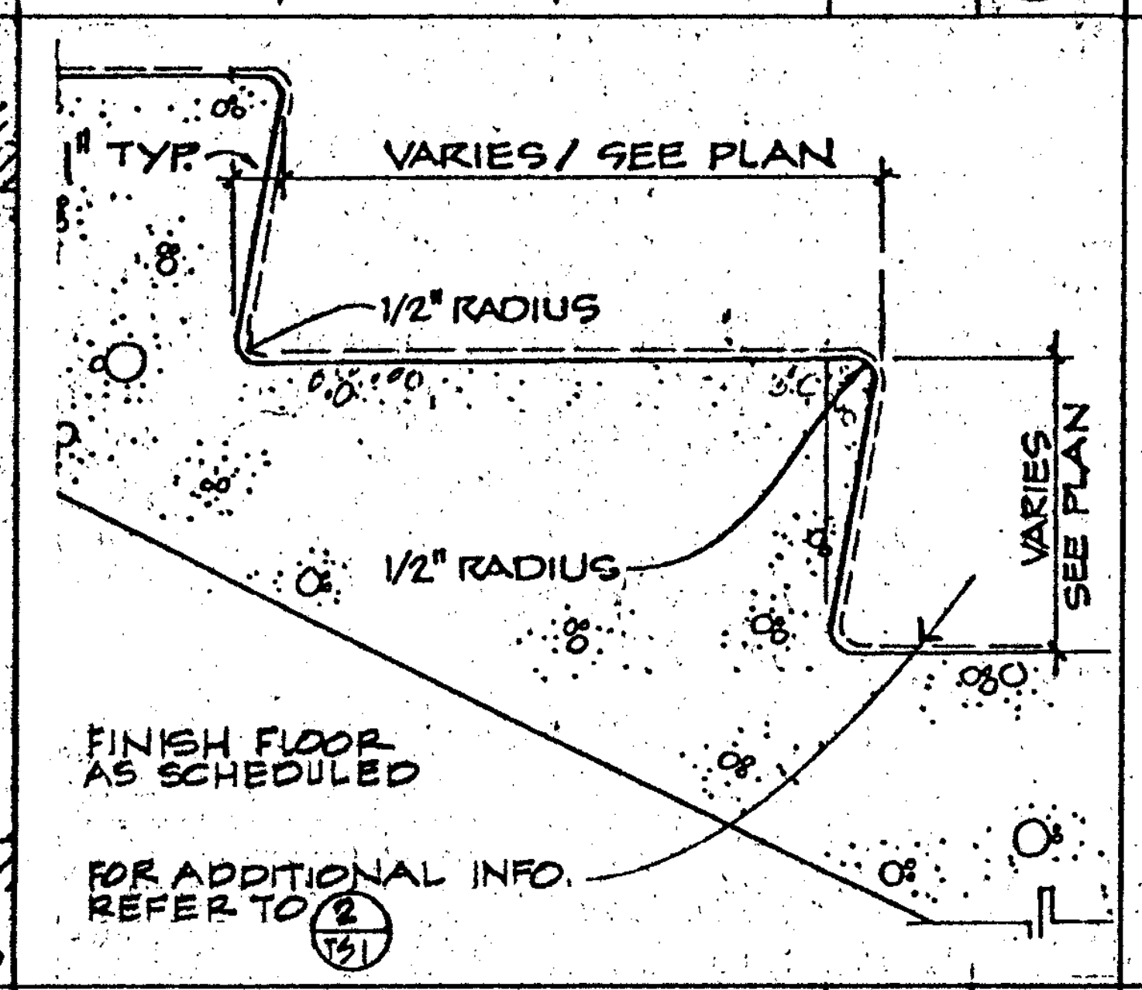
MULLION 3" **6**


RAISED 12" EQUILATERAL TRIANGLE ON A 12" DIAMETER CIRCLE
SUBSURFACE IMAGE AND LETTERS COLOR: WHITE
BACKGROUND COLOR: BLUE PER FED. STD. # 595
1/2"
3/4"
1/2"
TOILET
FOR ADDITIONAL NOTES REFER TO 2/TD12

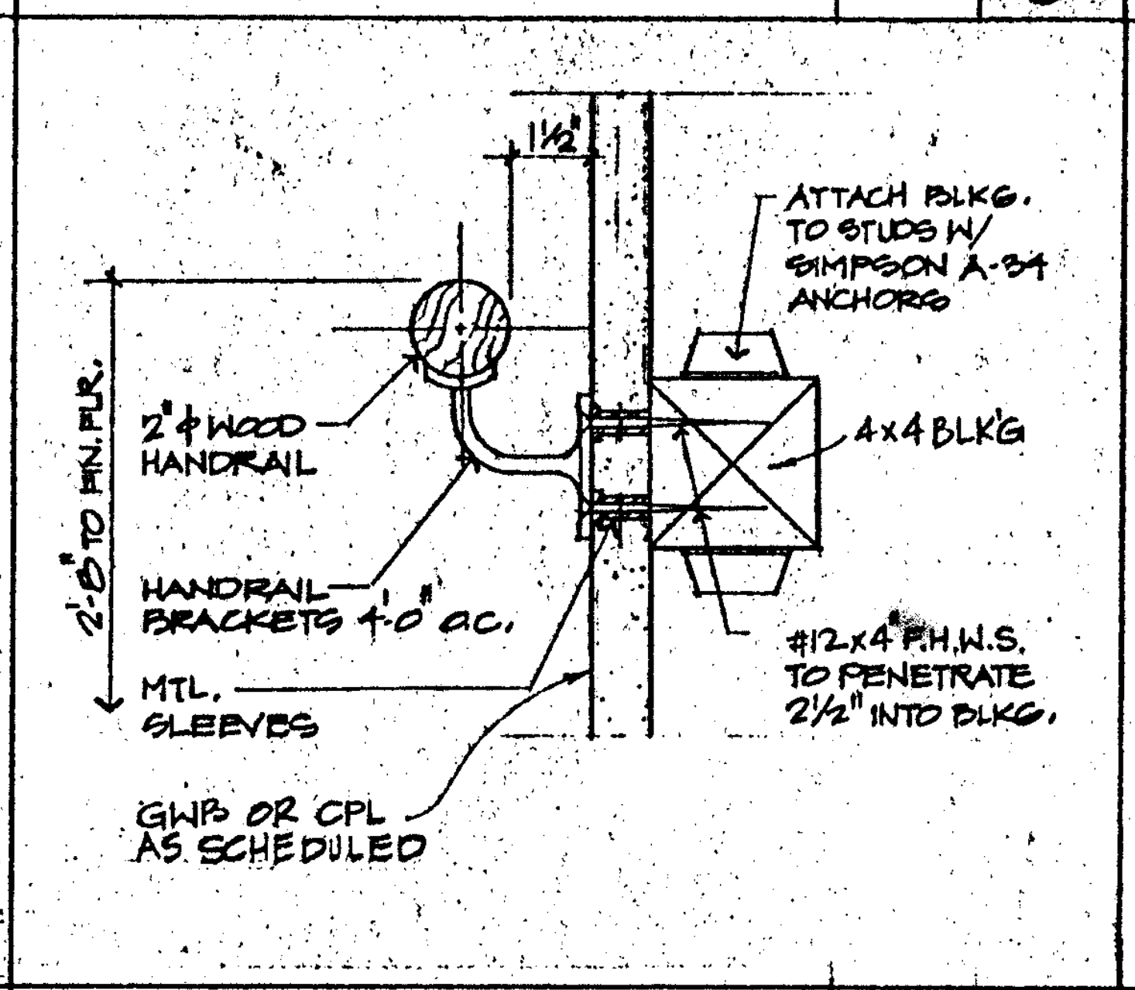
HANDICAPPED SIGN NTS **7**


FOR ADDITIONAL INFO. REFER TO 12/—
PLAN VIEW
6"
4'-0" O.C. MAX
6"
1 1/2" CLR
2" Ø WOOD HANDRAIL
12"
33" NTS
13/—
2"
1"
TREAD WIDTH
12"
ELEVATION
PROVIDE CONTRASTING 2" WIDE STRIP @ UPPER APPROACH & BOTTOM TREAD

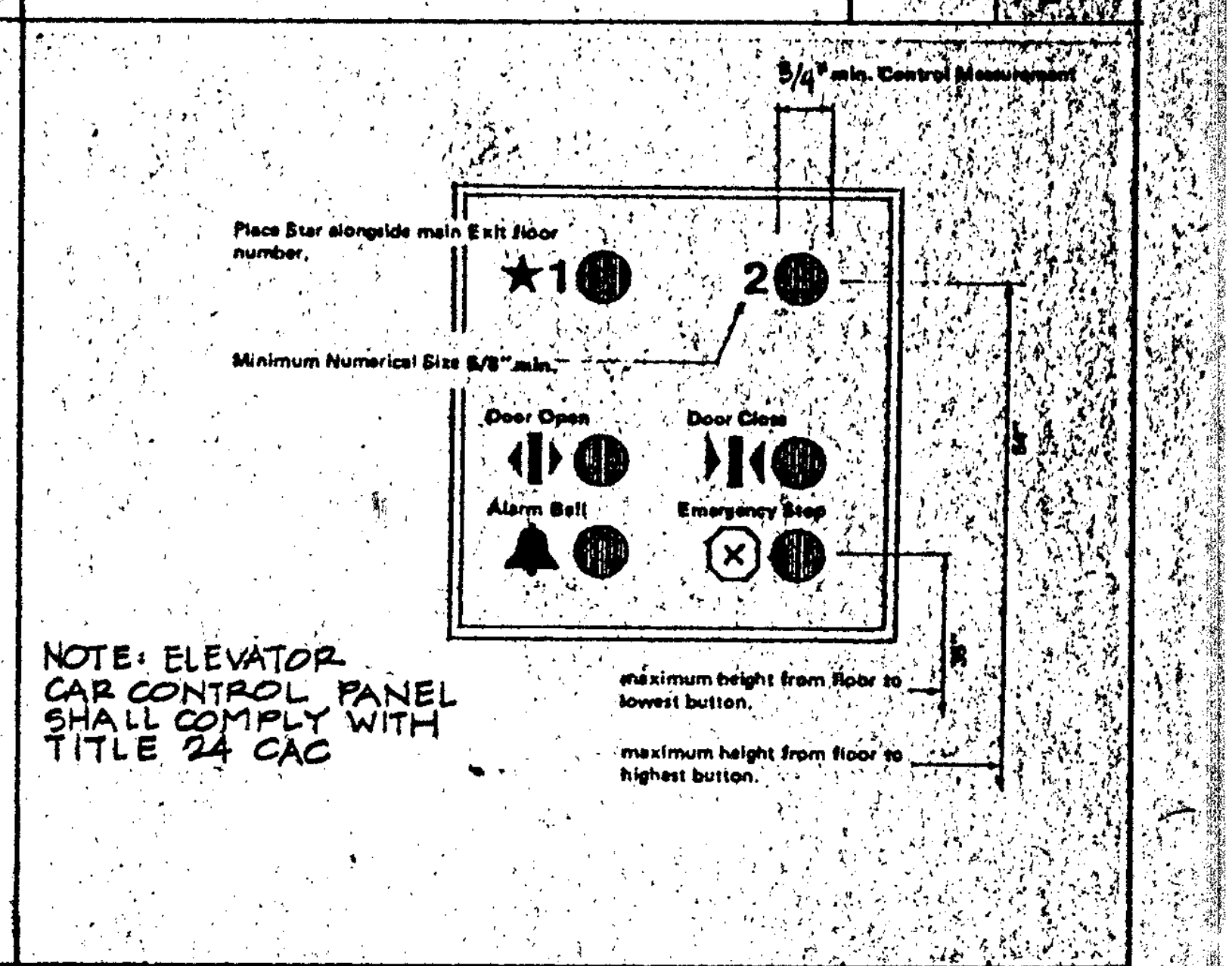
STAIR ELEVATION NTS **11**


1" TYP.
VARIES / SEE PLAN
1/2" RADIUS
1/2" RADIUS
VARIES SEE PLAN
FINISH FLOOR AS SCHEDULED
FOR ADDITIONAL INFO. REFER TO 2/T31

STAIR DETAIL 3" **12**

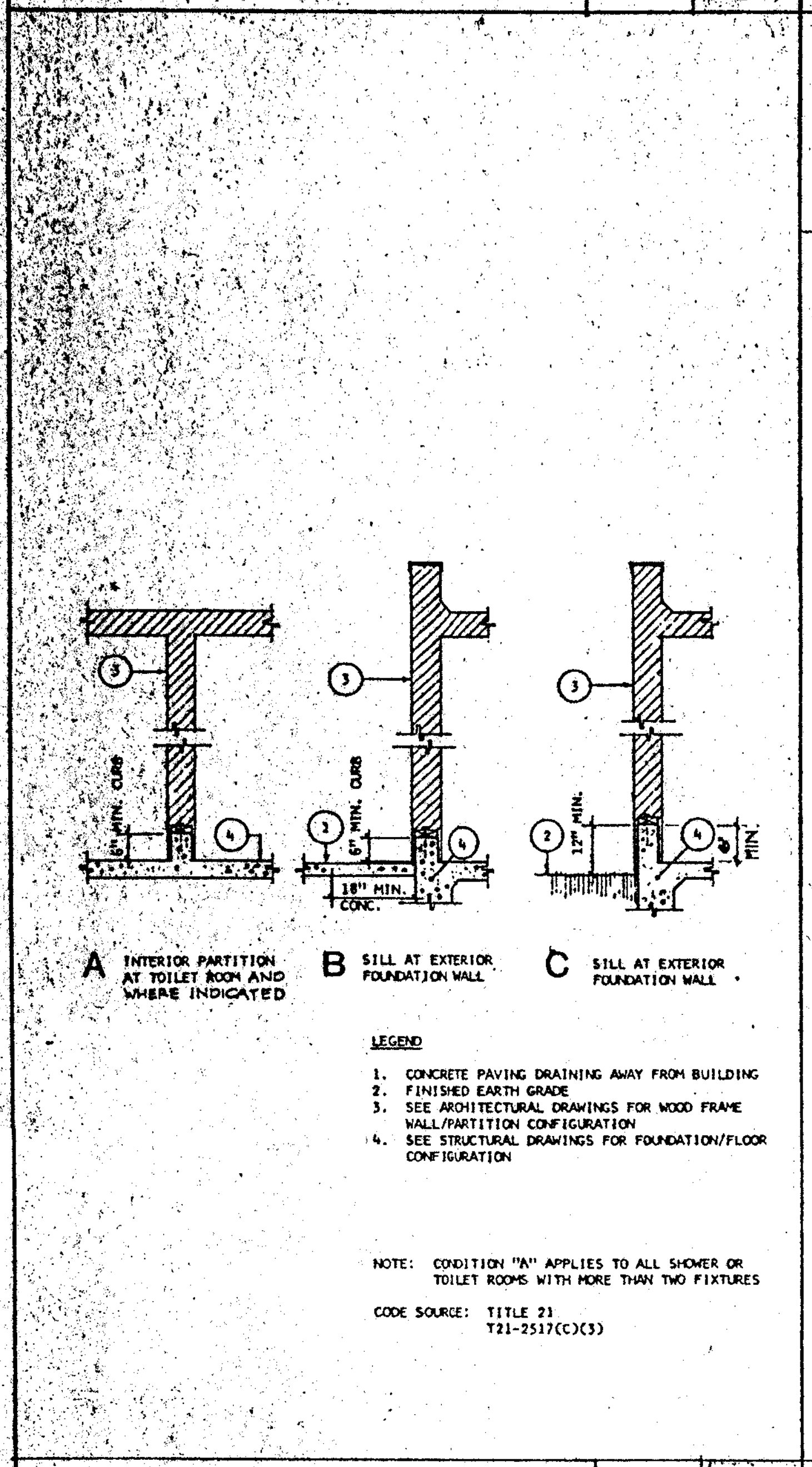

1 1/2"
ATTACH BLKG. TO STUDS W/ SIMPSON A-34 ANCHORS
2'-8" TO FIN. FLR.
2" Ø WOOD HANDRAIL
4x4 BLKG
HANDRAIL BRACKETS 4'-0" O.C.
MTL. SLEEVES
#12 x 4" F.H.W.S. TO PENETRATE 2 1/2" INTO BLKG.
GWB OR CPL AS SCHEDULED

HANDRAIL 3" **13**


3/4" min. Control Measurement
Place Star alongside main Exit floor number.
★1
2
Minimum Numerical Size 5/8" min.
Door Open
Door Close
Alarm Bell
Emergency Stop
maximum height from floor to lowest button.
maximum height from floor to highest button.

NOTE: ELEVATOR CAR CONTROL PANEL SHALL COMPLY WITH TITLE 24 CAC

CONTROL PANEL NTS **14**


3
4
6" MIN. CURB
3
4
6" MIN. CURB
18" MIN. CONC.
2
1
3
2
4
12" MIN.
6" MIN.
A INTERIOR PARTITION AT TOILET ROOM AND WHERE INDICATED
B SILL AT EXTERIOR FOUNDATION WALL
C SILL AT EXTERIOR FOUNDATION WALL

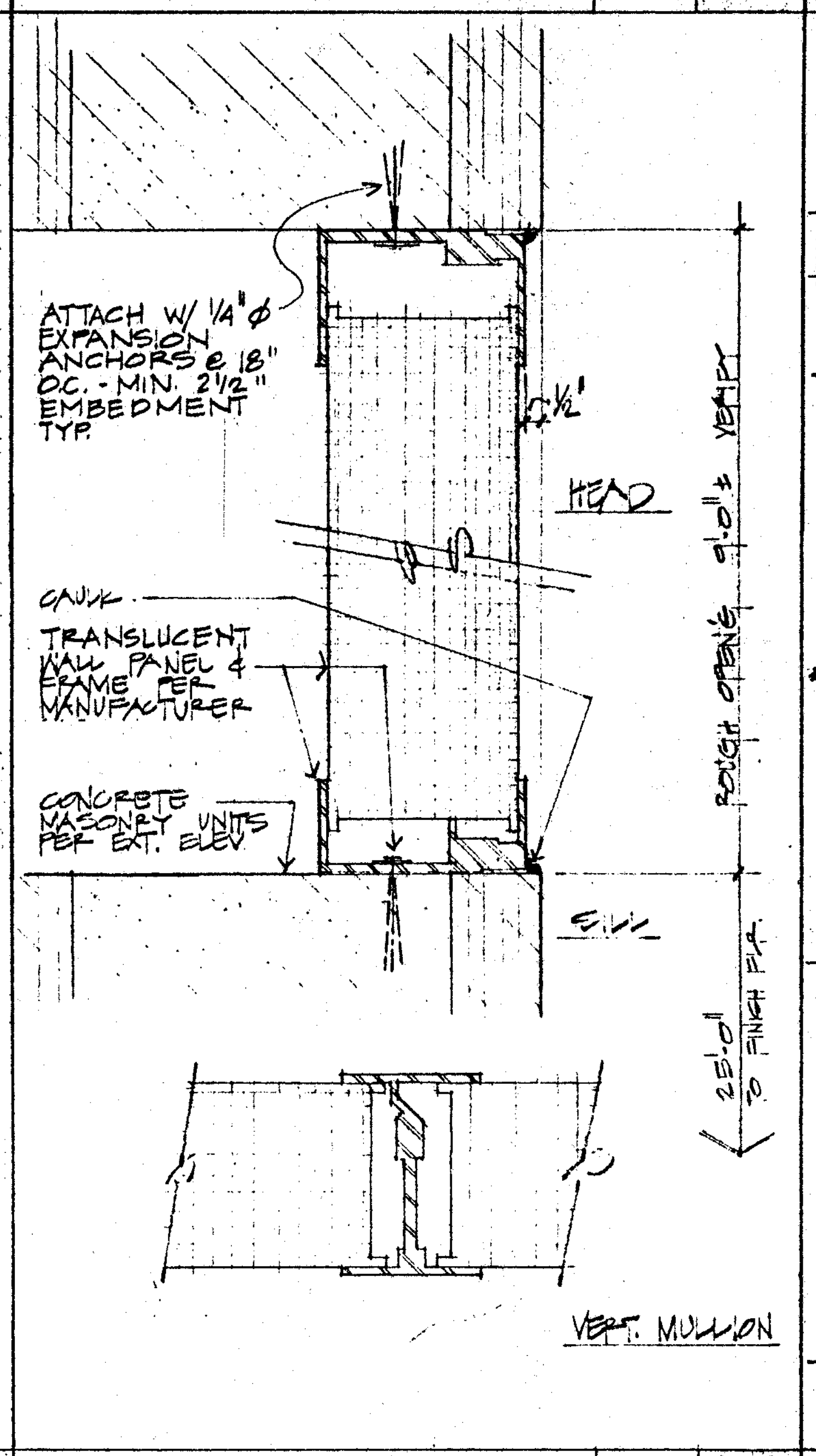
LEGEND

1. CONCRETE PAVING DRAINING AWAY FROM BUILDING
2. FINISHED EARTH GRADE
3. SEE ARCHITECTURAL DRAWINGS FOR WOOD FRAME WALL/PARTITION CONFIGURATION
4. SEE STRUCTURAL DRAWINGS FOR FOUNDATION/FLOOR CONFIGURATION

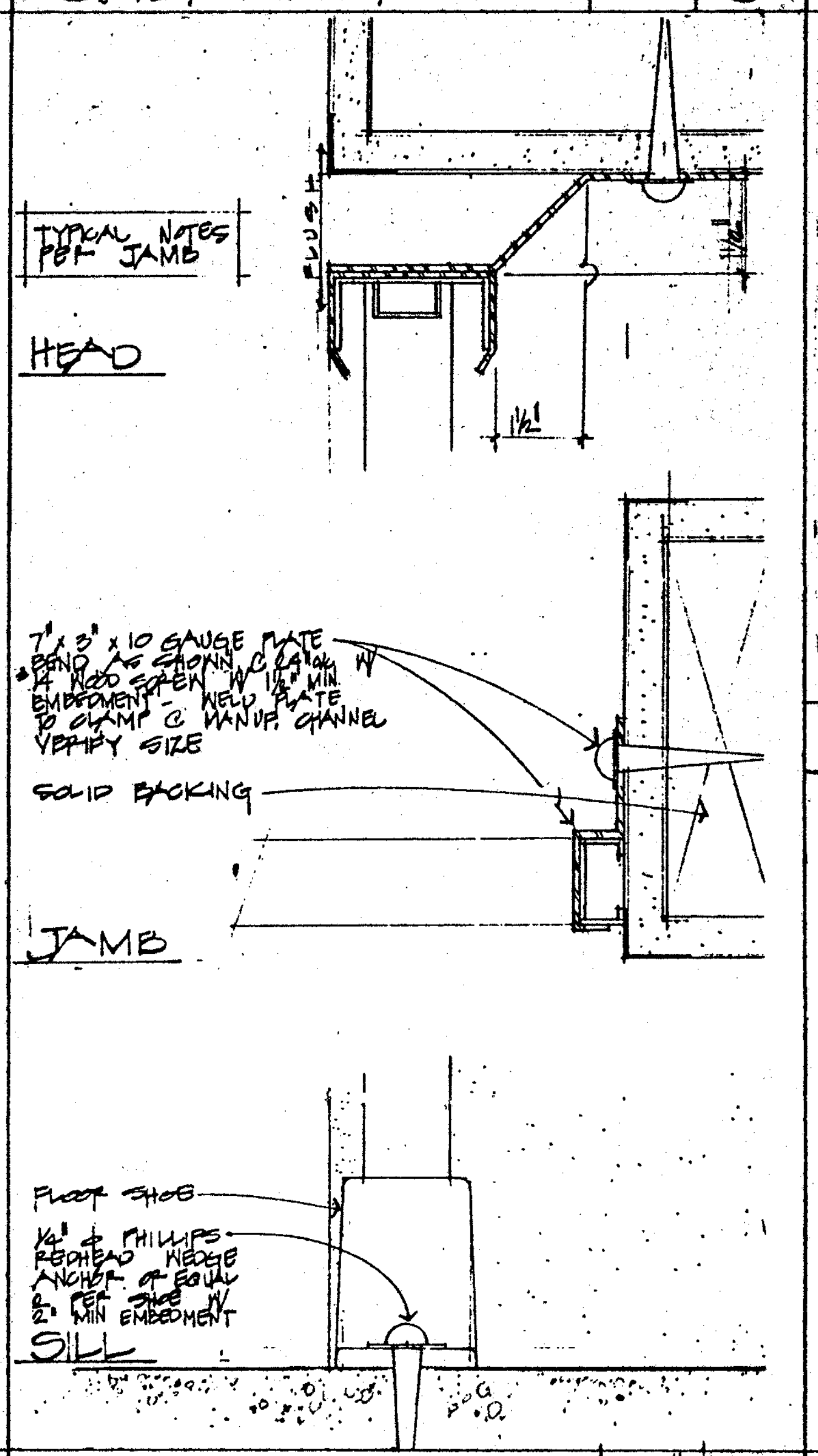
NOTE: CONDITION "A" APPLIES TO ALL SHOWER OR TOILET ROOMS WITH MORE THAN TWO FIXTURES

CODE SOURCE: TITLE 21
T21-2517(C)(3)

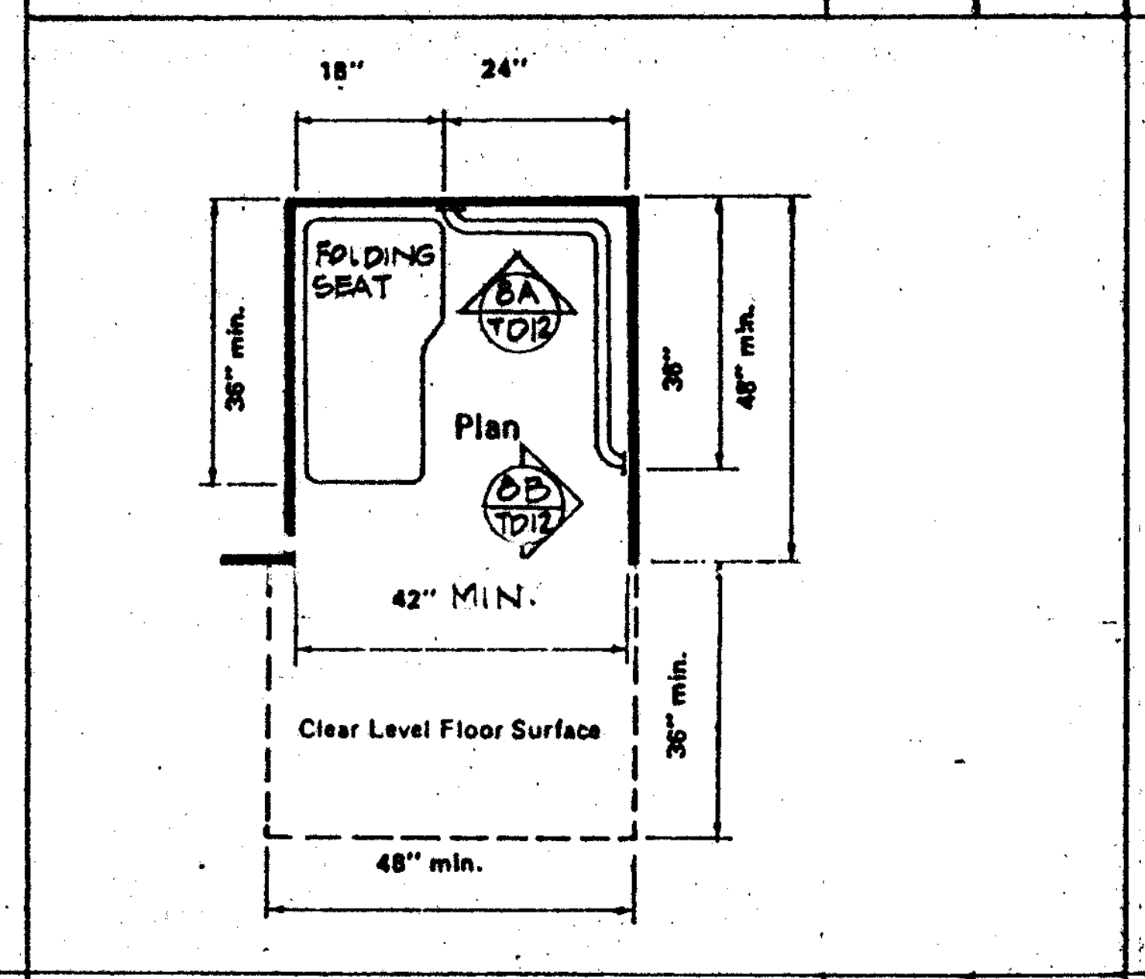
CONCRETE CURBS NTS **15**


ATTACH W/ 1/4" Ø EXPANSION ANCHORS @ 18" O.C. - MIN. 2 1/2" EMBEDMENT TYP.
1/2"
HEAD
CAULK
TRANSLUCENT WALL PANEL & FRAME PER MANUFACTURER
CONCRETE MASONRY UNITS PER EXT. ELEV.
ROUGH OPEN'G 9'-0" ± VERIFY
SILL
25'-0" TO FINISH FLR.
VERT. MULLION

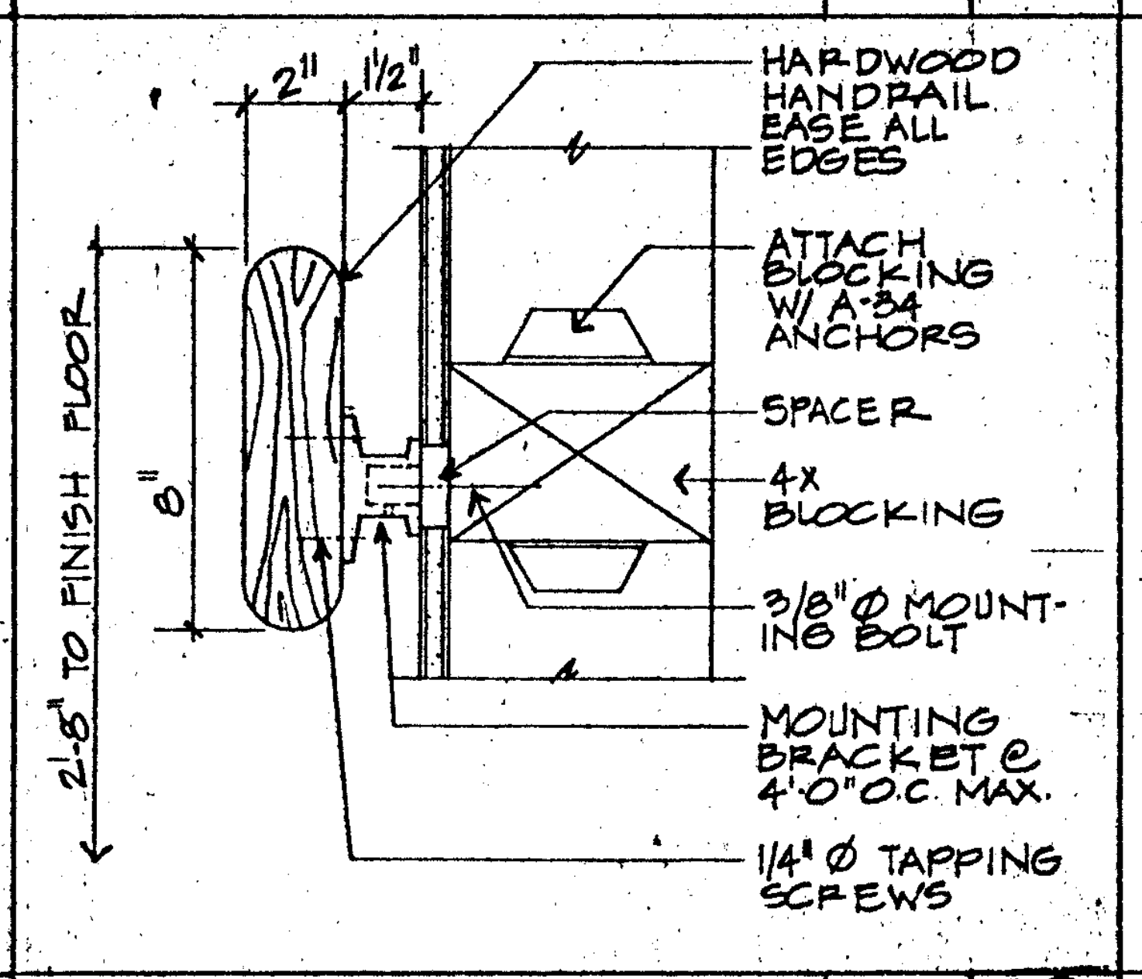
WALL PANEL DETAILS 6" **16**


TYPICAL NOTES PER JAMB
HEAD
FLUSH
1 1/2"
1 1/2"
7" x 3" x 10 GAUGE PLATE BEND AS SHOWN @ 24" O.C. W/ 1/4" WOOD SCREW W/ 1 1/2" MIN. EMBEDMENT - WELD PLATE TO CLAMP @ MANUF. CHANNEL VERIFY SIZE
SOLID BACKING
JAMB
FLOOR SHOE
1/4" Ø PHILLIPS REDHEAD WEDGE ANCHOR OR EQUAL @ PER SHOE W/ 2" MIN EMBEDMENT
SILL

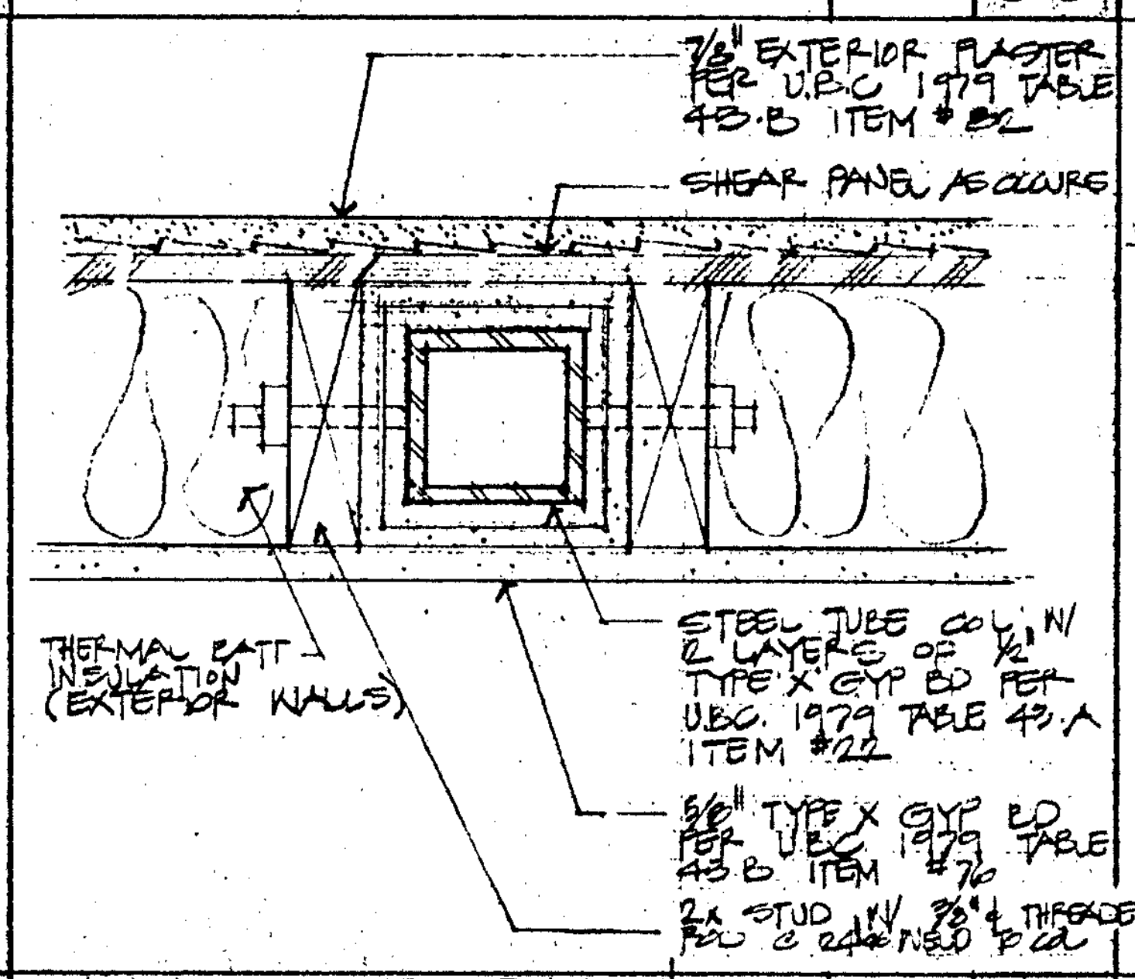
WIRE MESH PARTITION 6" **17**


18"
24"
FOLDING SEAT
8A/TD12
36" min.
36"
48" min.
Plan
8B/TD12
42" MIN.
Clear Level Floor Surface
36" min.
48" min.

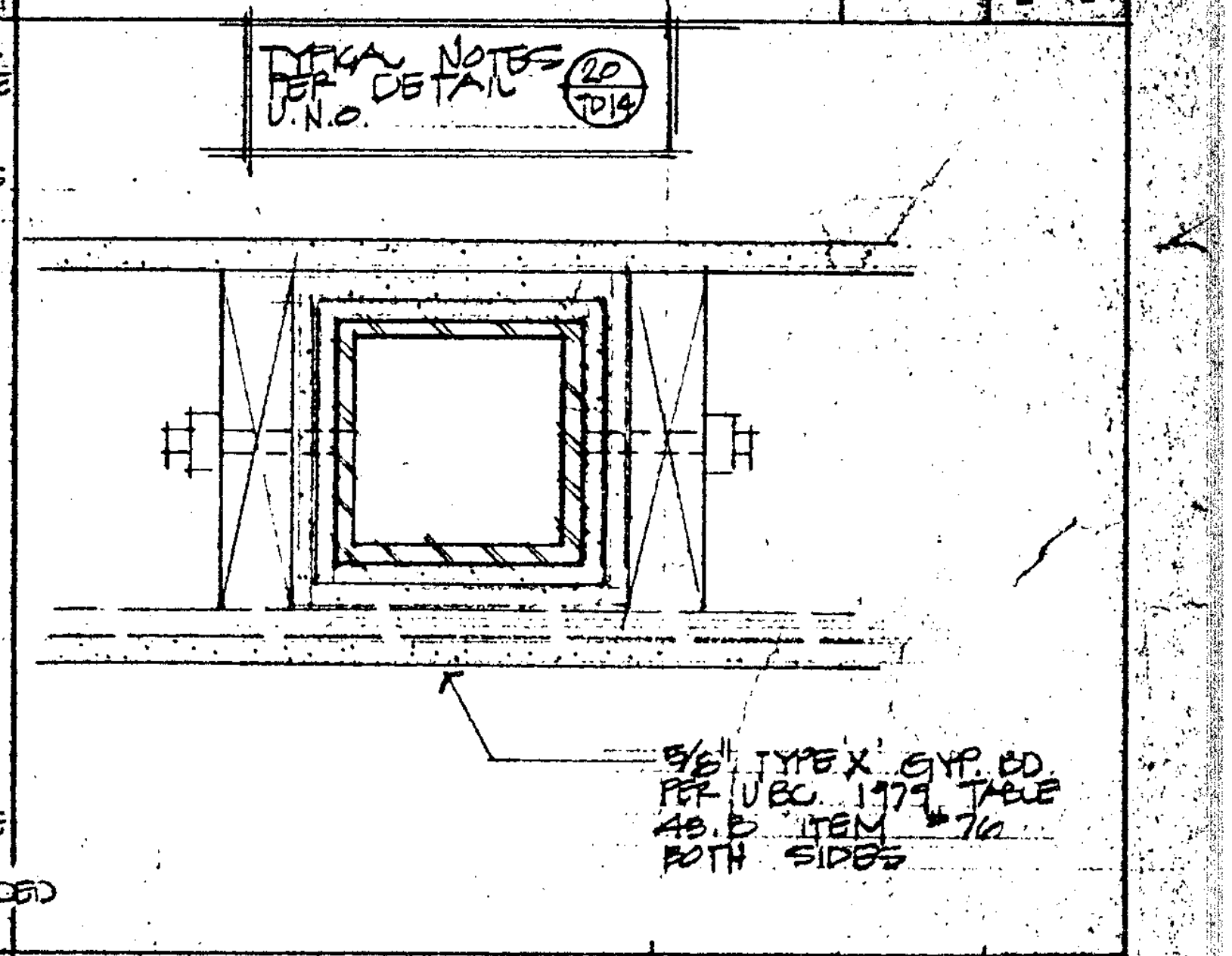
SHOWER PLAN NTS **18**


2"
1 1/2"
HARDWOOD HANDRAIL EASE ALL EDGES
ATTACH BLOCKING W/ A-34 ANCHORS
SPACER
4x BLOCKING
8"
2'-8" TO FINISH FLOOR
3/8" Ø MOUNTING BOLT
MOUNTING BRACKET @ 4'-0" O.C. MAX.
1/4" Ø TAPPING SCREWS

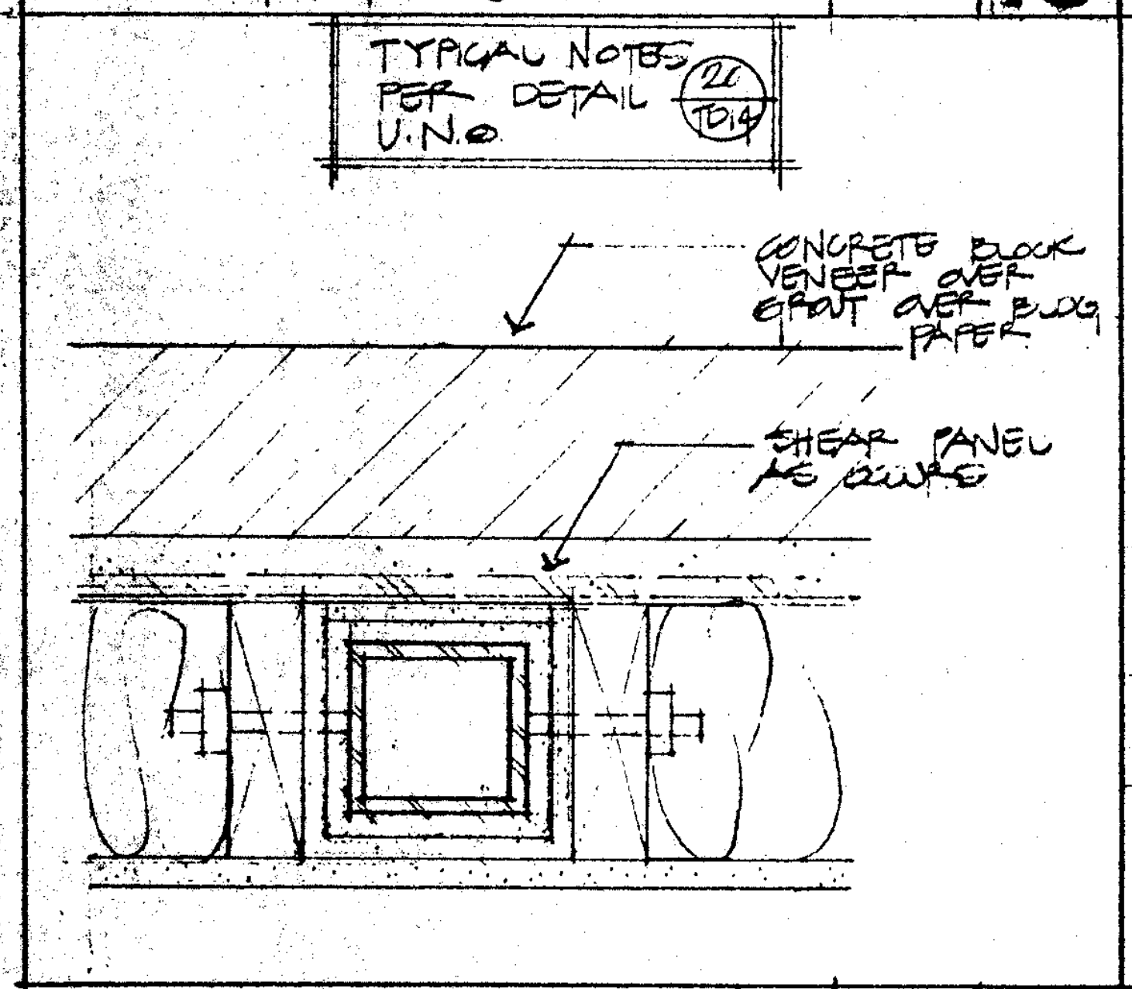
HANDRAIL 3" **19**


7/8" EXTERIOR PLASTER PER U.B.C. 1979 TABLE 43-B ITEM #82
SHEAR PANEL AS OCCURS
THERMAL BATT INSULATION (EXTERIOR WALLS)
STEEL TUBE COL. W/ 2 LAYERS OF 1/2" TYPE X GYP BD PER U.B.C. 1979 TABLE 43-A ITEM #22
5/8" TYPE X GYP BD PER U.B.C. 1979 TABLE 43-B ITEM #76
2x STUD W/ 3/8" Ø THREADED ROD @ 24" WELD TO COL

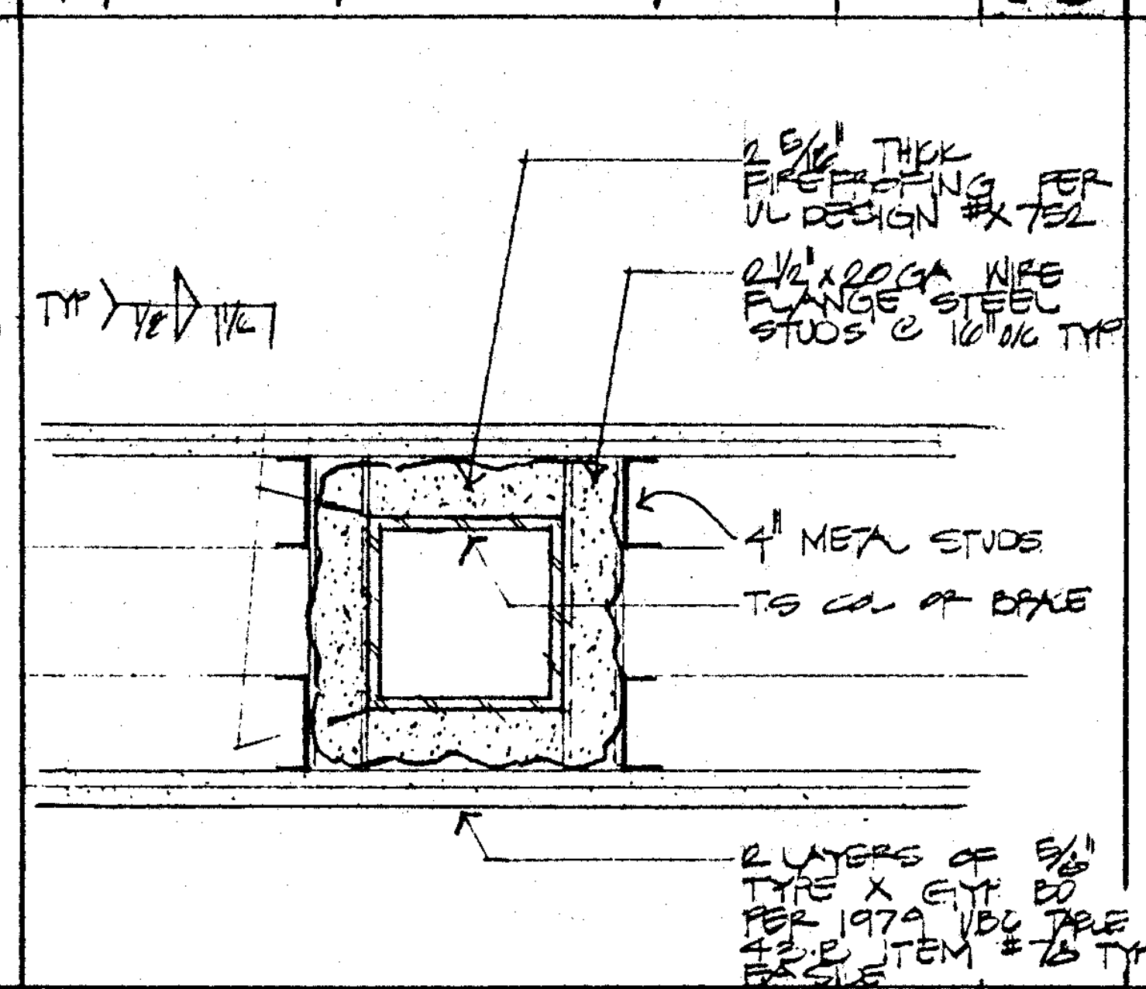
1-HR COL. PROTECTION (EXTERIOR WALLS) 8" **20**


TYPICAL NOTES PER DETAIL 20/TD14 U.N.O.
5/8" TYPE X GYP. BD. PER U.B.C. 1979 TABLE 43-B ITEM #76 BOTH SIDES

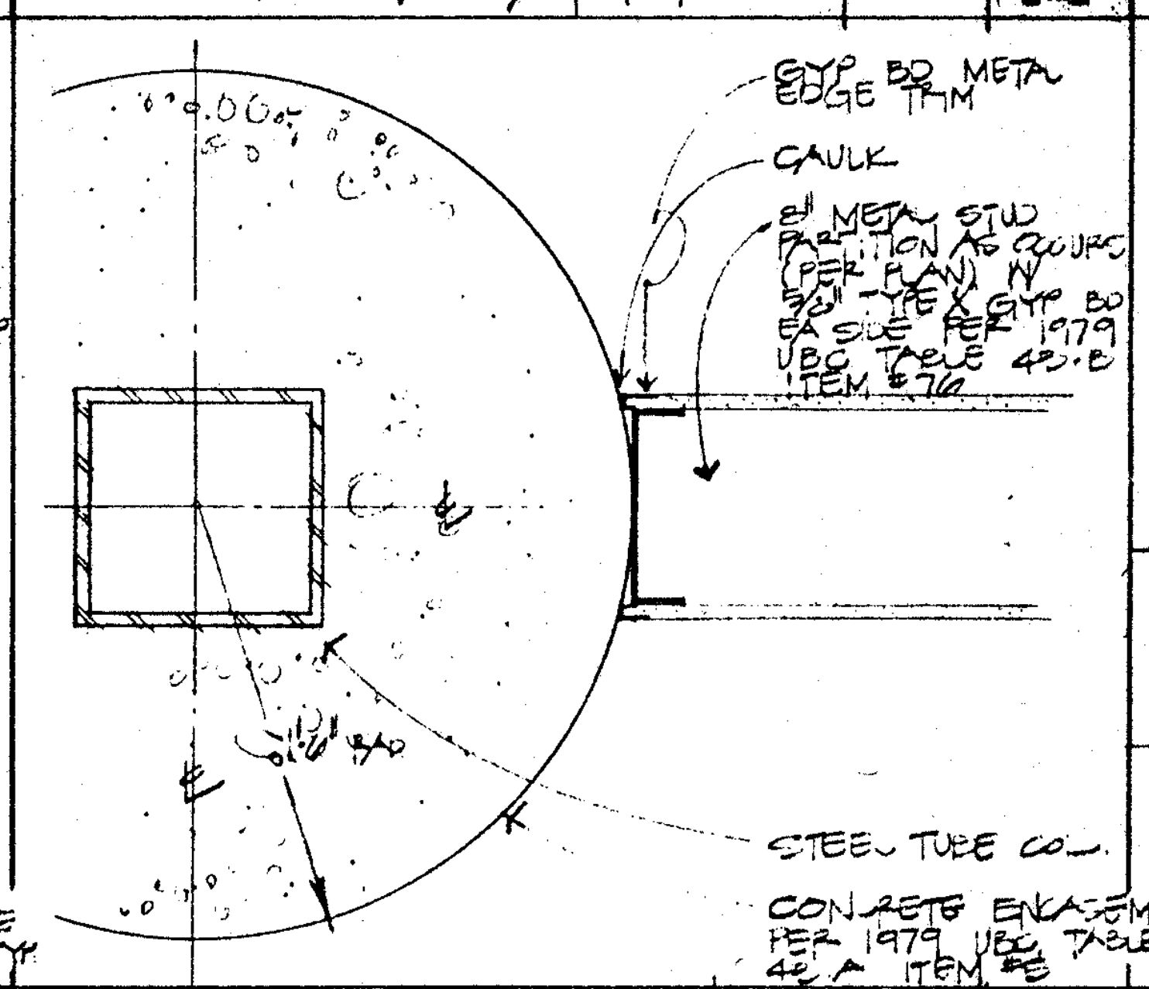
1-HR COL. PROTECTION (INTERIOR WALLS) 8" **21**


TYPICAL NOTES PER DETAIL 20/TD14 U.N.O.
CONCRETE BLOCK VENEER OVER GROUT OVER BLDG PAPER
SHEAR PANEL AS OCCURS

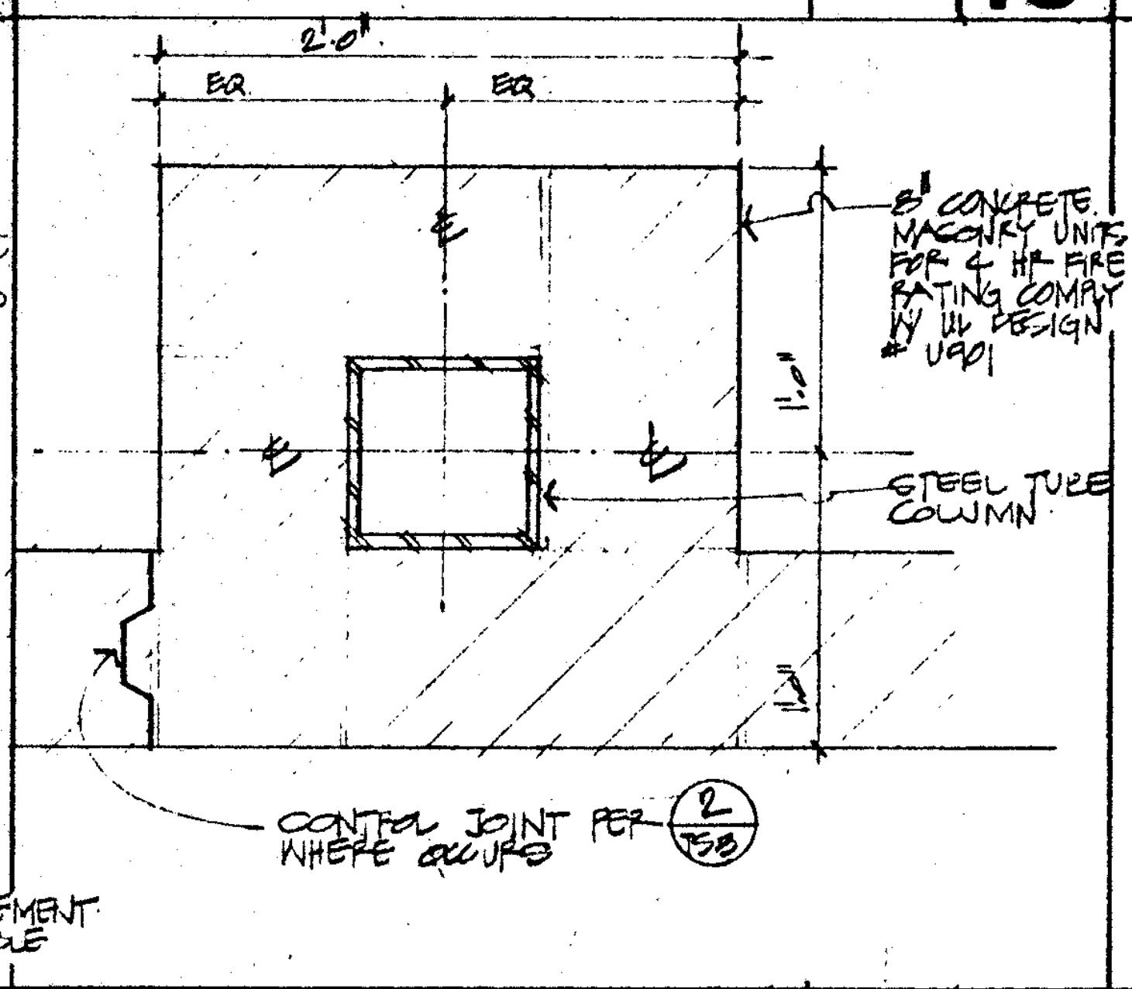
1-HR COL PROTECTION (EXTERIOR WALLS) 3" **22**


TYP
1/2"
2 5/16" THICK FIREPROOFING PER UL DESIGN #X 752
2 1/2" x 20 GA WIRE FLANGE STEEL STUDS @ 16" O.C. TYP
4" METAL STUDS
TS COL OR BRACE
2 LAYERS OF 5/8" TYPE X GYP BD PER 1979 UBC TABLE 43-B ITEM #76 TYP EA SIDE

2 HR COL PROTECTION (INTERIOR WALLS) 1 1/2" **23**

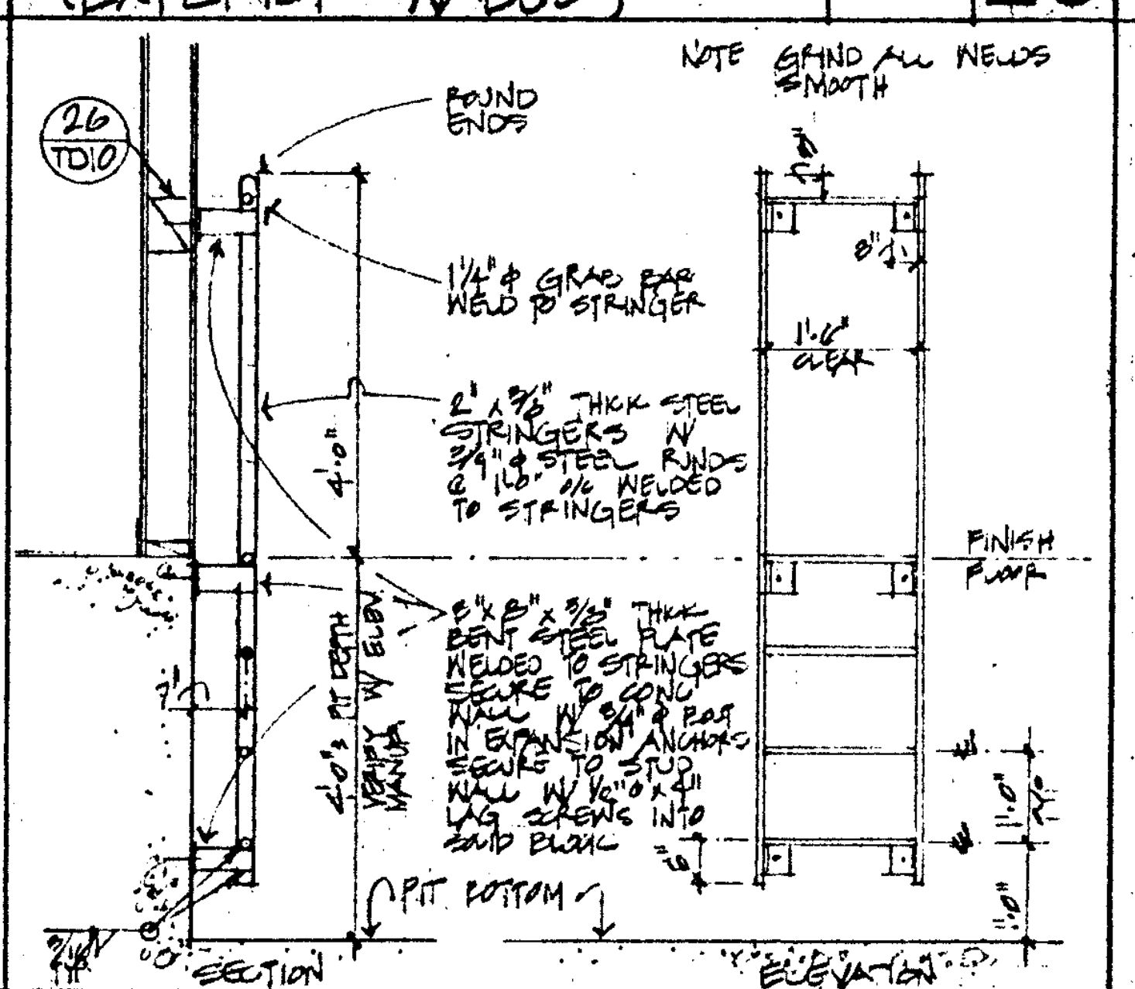

GYP BD METAL EDGE TRIM
CAULK
2" METAL STUD PARTITION AS OCCURS (PER PLAN) W/ 5/8" TYPE X GYP BD EA SIDE PER 1979 UBC TABLE 43-B ITEM #76
STEEL TUBE COL.
CONCRETE ENCASEMENT PER 1979 UBC TABLE 43-A ITEM #6

2-HR COL. PROTECTION & INTERIOR WALL 1 1/2" **24**

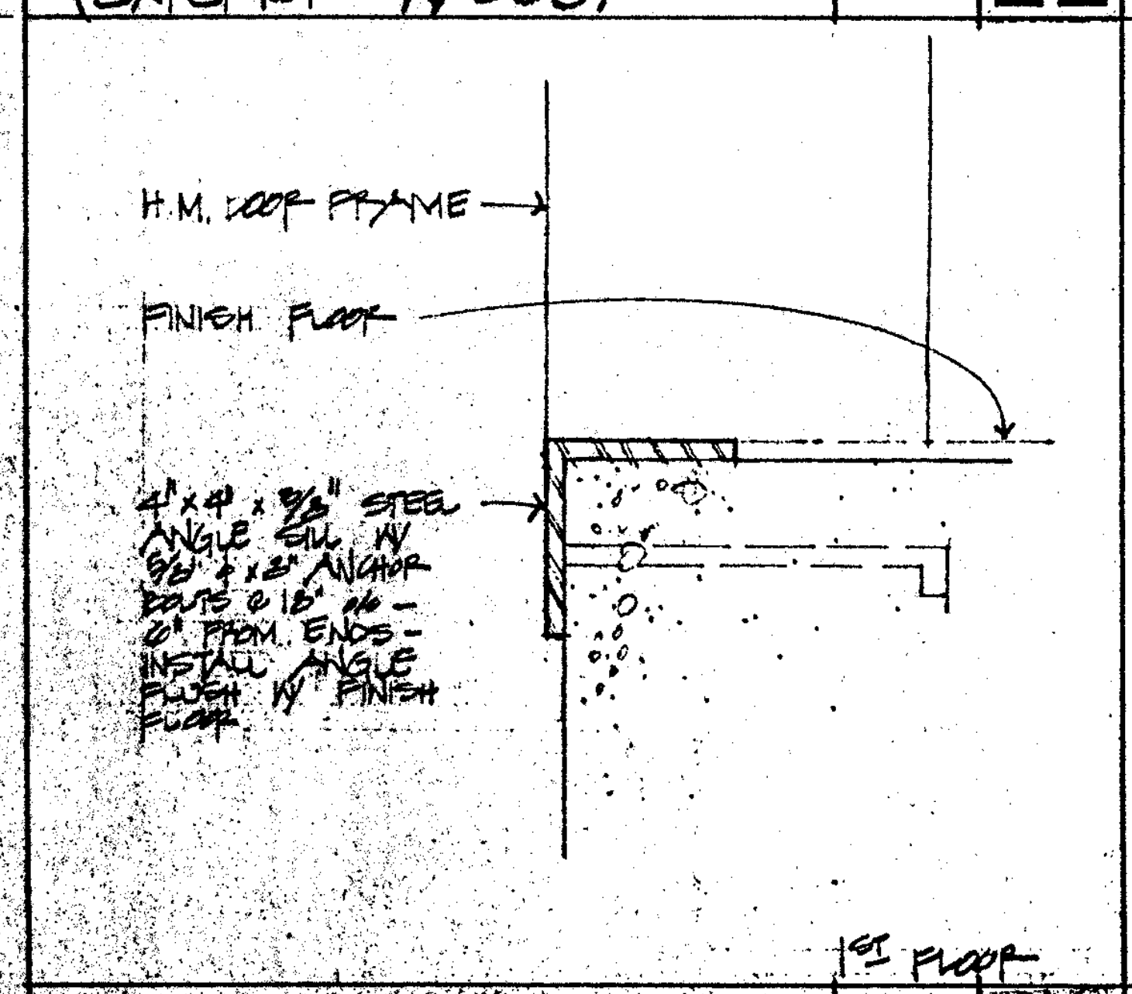

2'-0"
EQ
EQ
8" CONCRETE MASONRY UNITS FOR 4 HR FIRE RATING COMPLY W/ UL DESIGN # U901
1'-0"
STEEL TUBE COLUMN
CONTROL JOINT PER 2/T58 WHERE OCCURS

4-HR PLASTER PROTECTION (EXTERIOR & INTERIOR WALL) 1 1/2" **25**

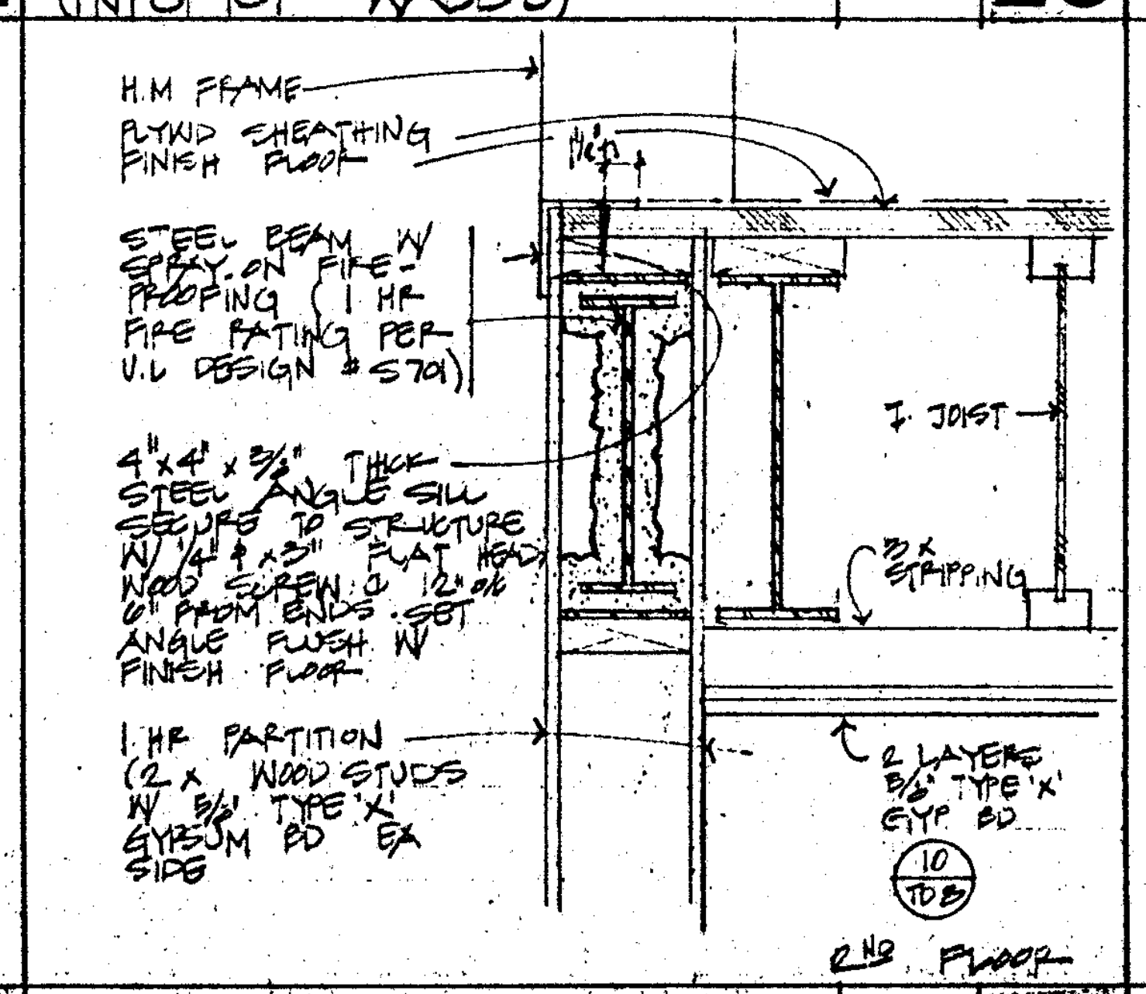
26


NOTE GRIND ALL WELDS SMOOTH
26/TD10
ROUND ENDS
1 1/4" Ø GRAB BAR WELD TO STRINGER
2" x 3/8" THICK STEEL STRINGERS W/ 3/4" Ø STEEL RUNGS @ 1'-0" O/C WELDED TO STRINGERS
4'-0"
8"
1'-6" CLEAR
FINISH FLOOR
8" x 8" x 3/8" THICK BENT STEEL PLATE WELDED TO STRINGERS SECURE TO CONC WALL W/ 3/4" Ø RAM IN EXPANSION ANCHORS SECURE TO STUD WALL W/ 1/2" Ø x 4" LAG SCREWS INTO SOLID BLOCK
VERIFY W/ ELEV MANUF
PIT DEPTH
PIT BOTTOM
1'-0"
SECTION
ELEVATION

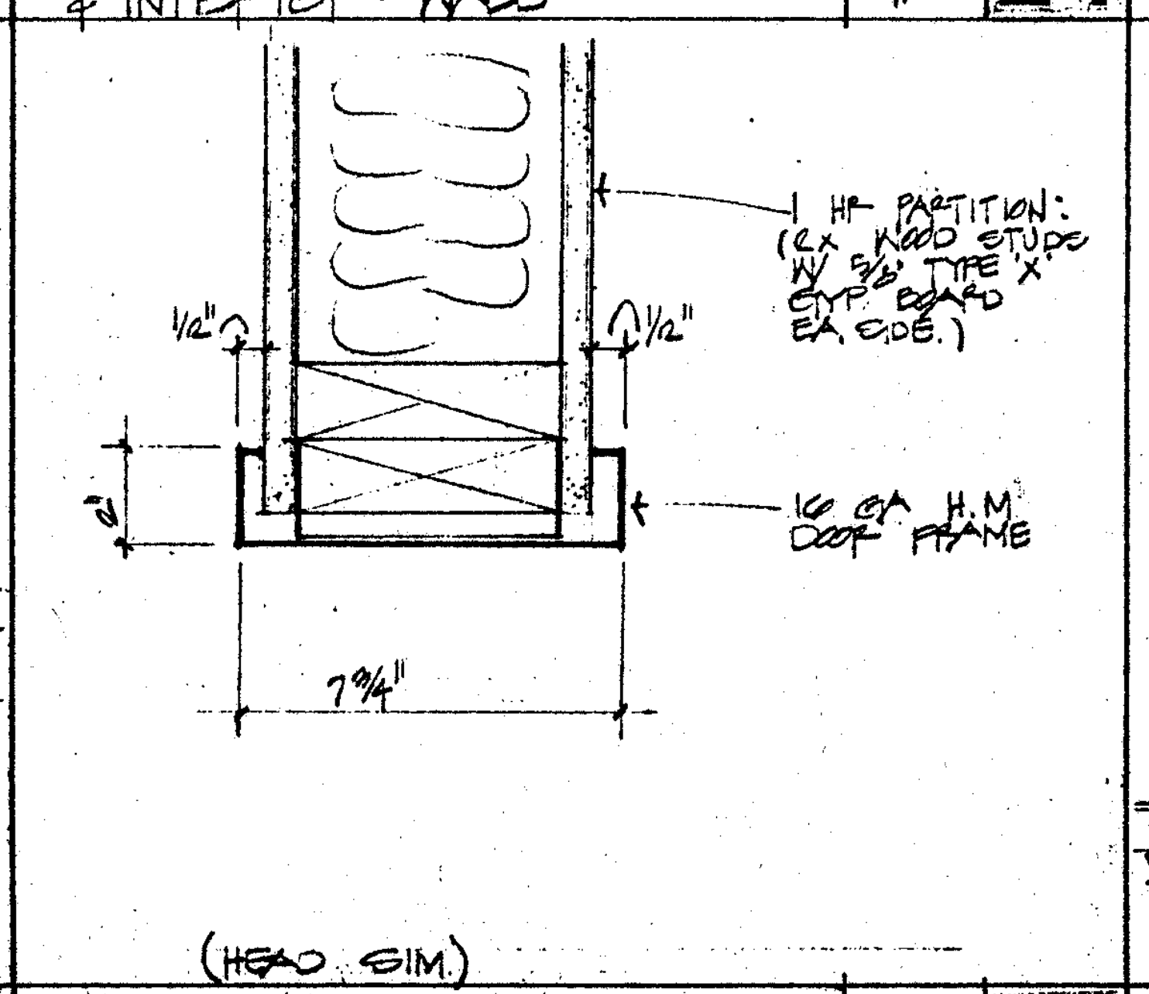
ELEVATOR PIT LADDER 1/2" **27**


H.M. DOOR FRAME
FINISH FLOOR
4" x 4" x 3/8" STEEL ANGLE SILL W/ 5/8" Ø x 2" ANCHOR BOLTS @ 18" O/C - 2" FROM ENDS - INSTALL ANGLE FLUSH W/ FINISH FLOOR
1ST FLOOR

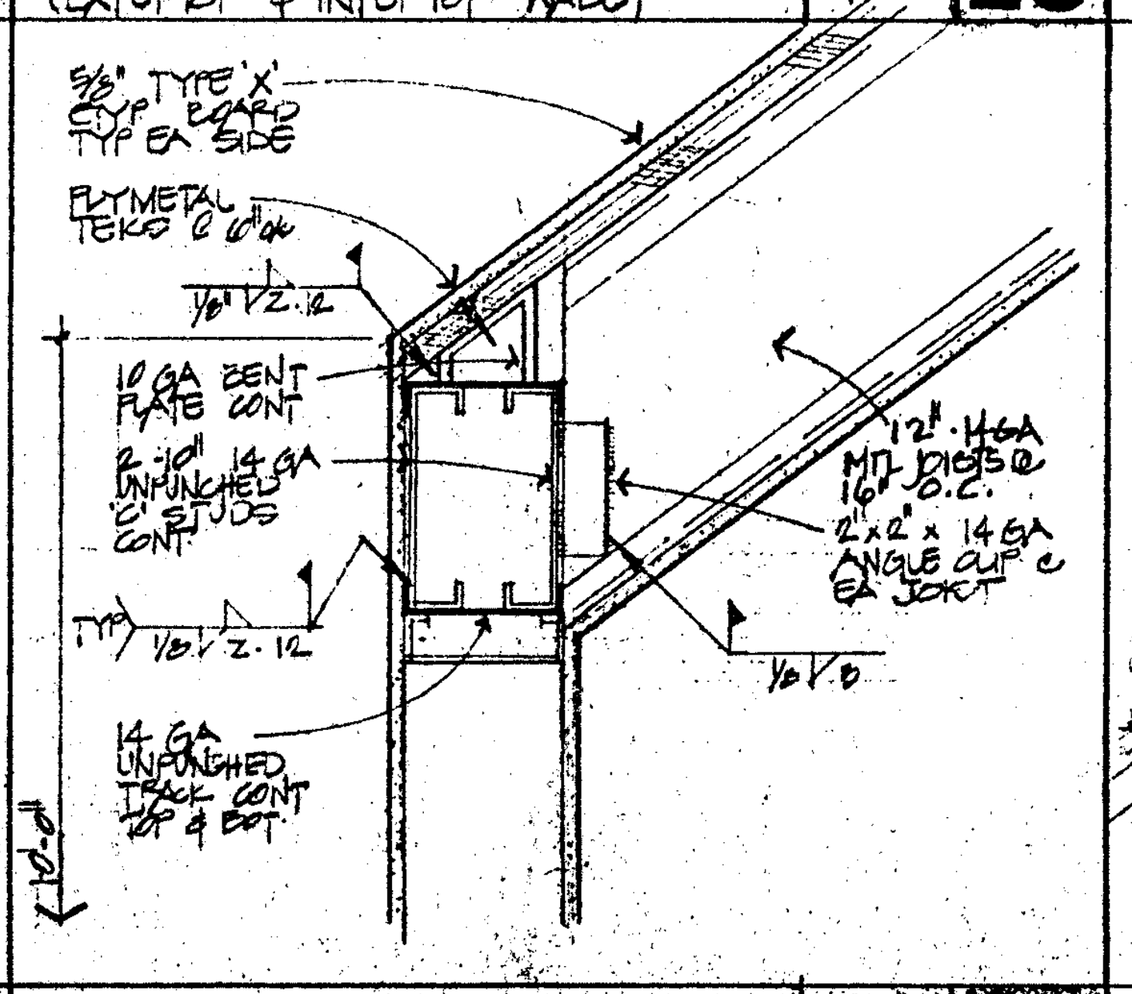
SILL @ ELEVATOR DR 3" **29**


H.M. FRAME
PLYWD SHEATHING FINISH FLOOR
1 1/2"
STEEL BEAM W/ SPRAY-ON FIRE-PROOFING (1 HR FIRE RATING PER U.L DESIGN # S701)
T JOIST
4" x 4" x 3/8" THICK STEEL ANGLE SILL SECURE TO STRUCTURE W/ 1/4" Ø x 3" FLAT HEAD WOOD SCREW @ 12" O/C 6" FROM ENDS - SET ANGLE FLUSH W/ FINISH FLOOR
2x STRIPPING
1 HR PARTITION (2 x WOOD STUDS W/ 5/8" TYPE 'X' GYPSUM BD EA SIDE
2 LAYERS 5/8" TYPE 'X' GYP BD
10/TD8
2ND FLOOR

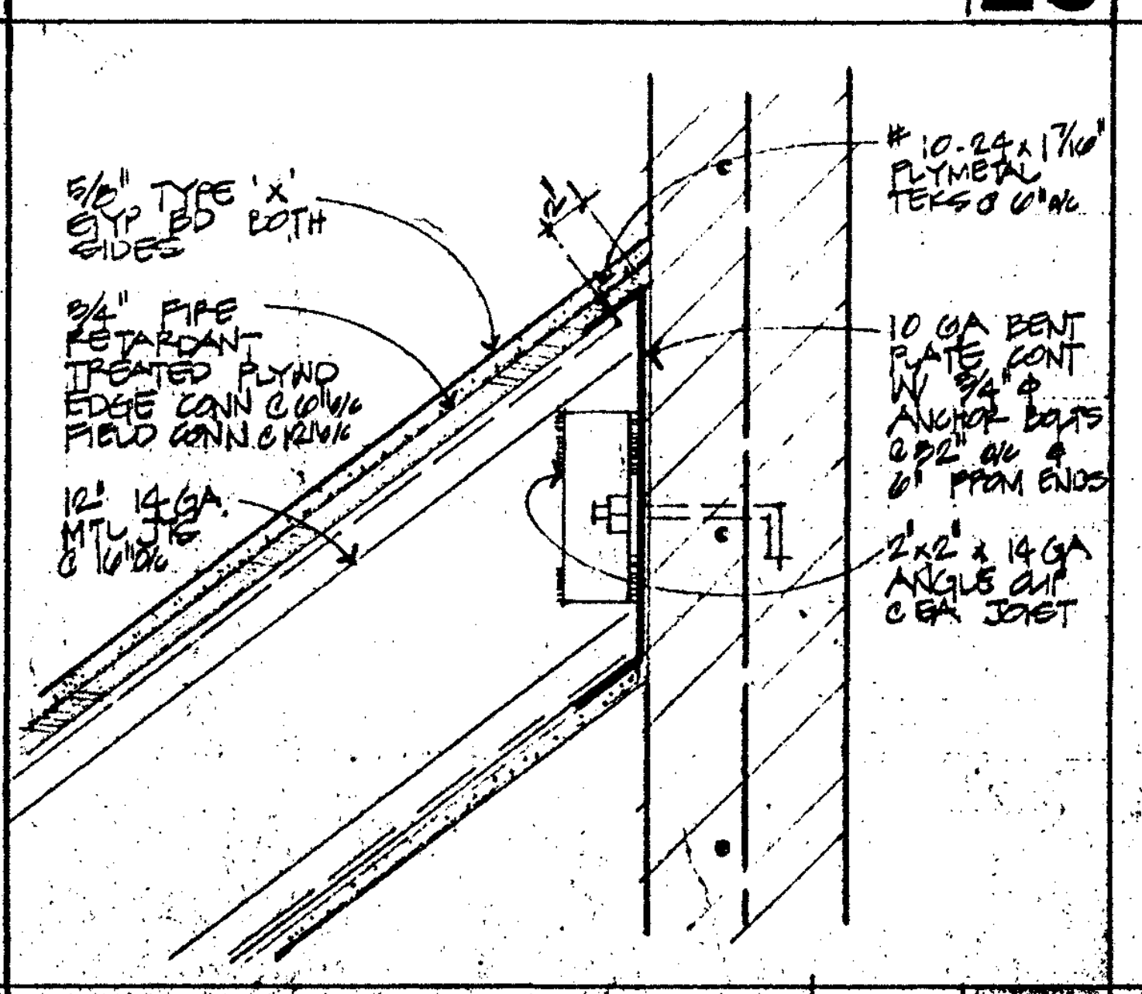
SILL @ ELEVATOR DR 1 1/2" **30**


1 HR PARTITION: (2x WOOD STUDS W/ 5/8" TYPE 'X' GYP BOARD EA SIDE.)
1/2"
1/2"
16 GA H.M. DOOR FRAME
7 3/4"
(HEAD SIM.)

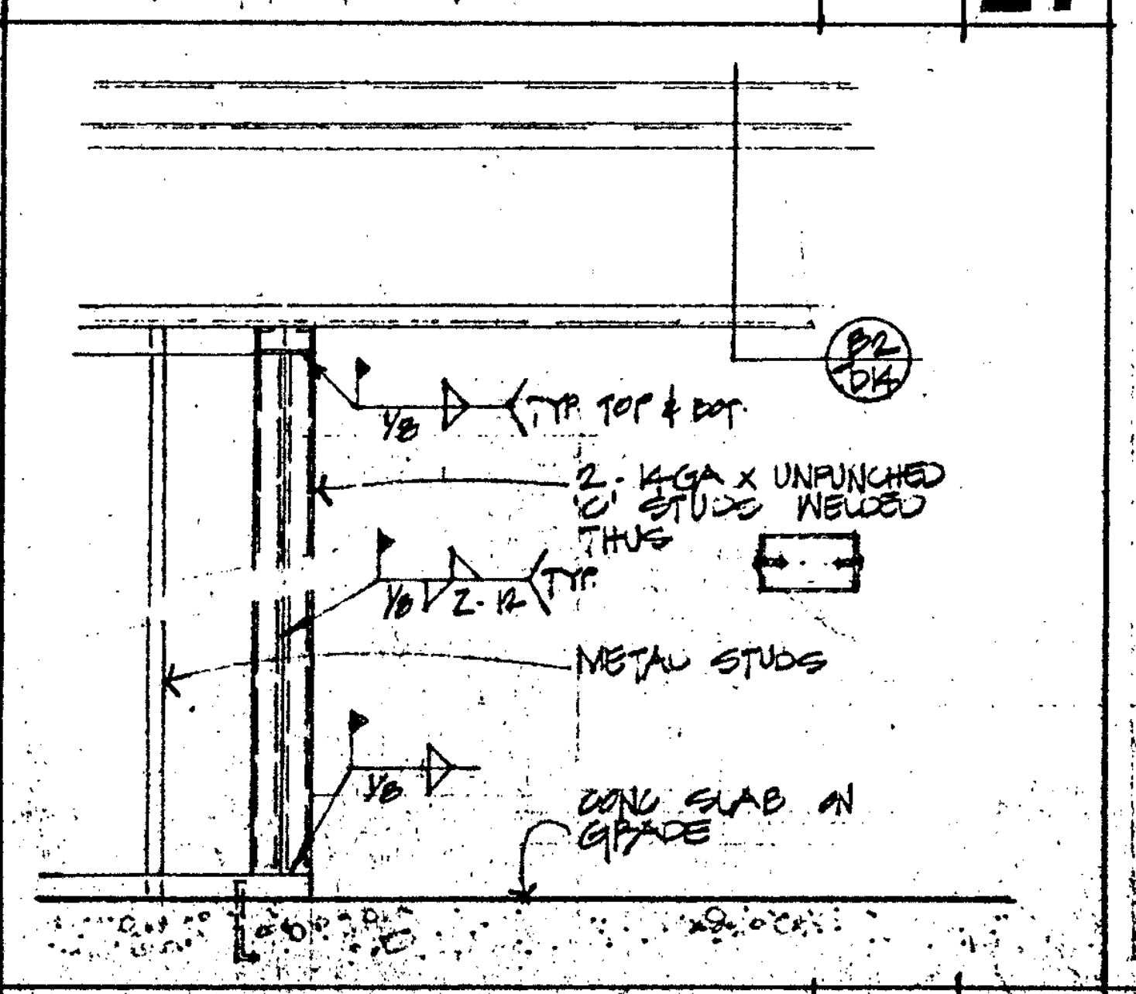
JAMB @ ELEVATOR **31**


5/8" TYPE 'X' GYP BOARD TYP EA SIDE
PLYMETAL TEKS @ 6" O/C
1/8" 2-12
10 GA BENT PLATE CONT
2-10" 14 GA UNPUNCHED 'C' STUDS CONT
12" 14 GA MTL JOISTS @ 16" O.C.
2" x 2" x 14 GA ANGLE CLIP @ EA JOIST
TYP 1/8" 2-12
1/8"
14 GA UNPUNCHED TRACK CONT TOP & BOT
10'-0"

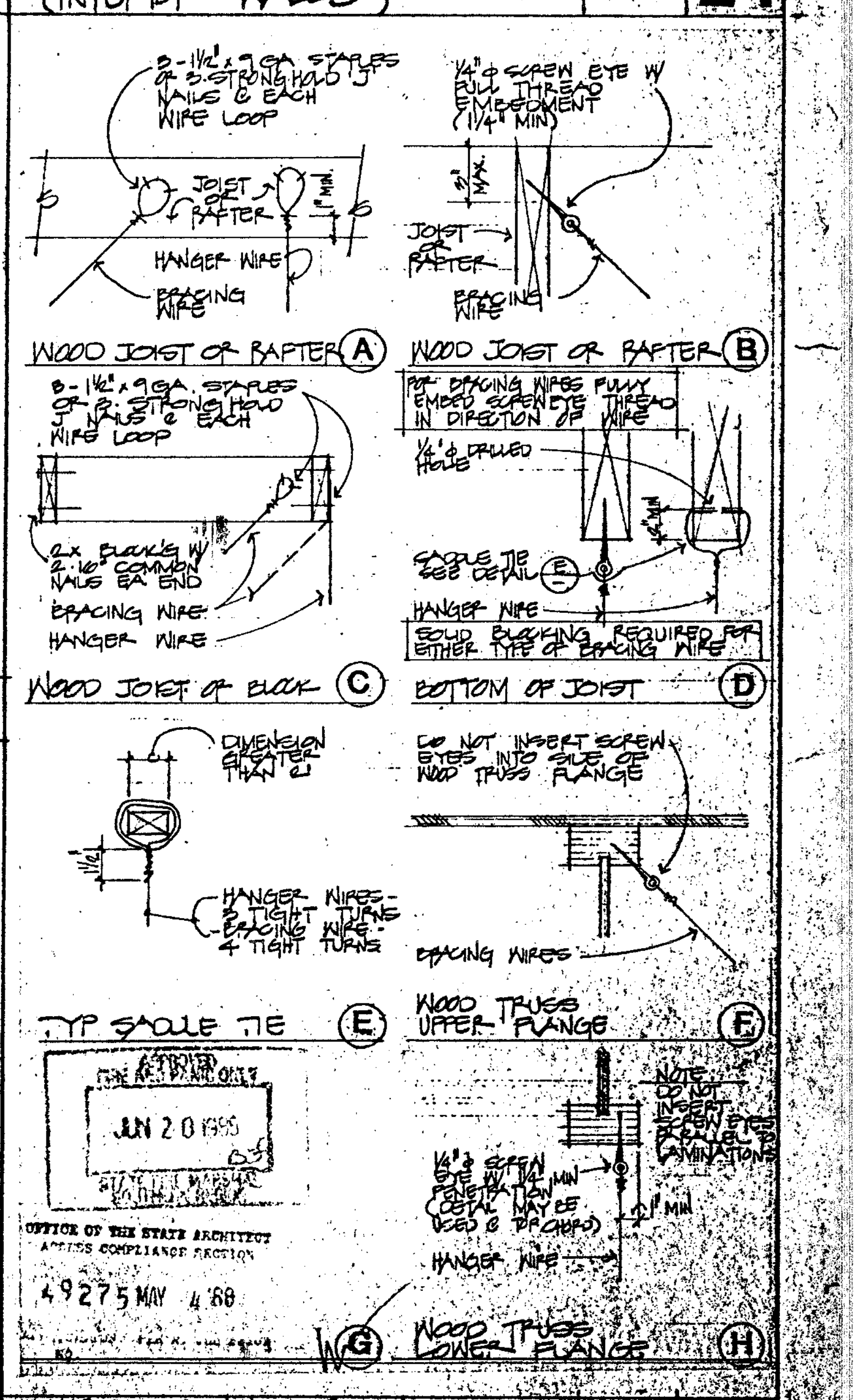
CEILING DETAIL 1 1/2" **32**


5/8" TYPE 'X' GYP BD BOTH SIDES
3/4" FIRE RETARDANT TREATED PLYWD EDGE CONN @ 6" O/C FIELD CONN @ 12" O/C
12" 14 GA MTL JST @ 16" O/C
#10-24 x 1 7/16" PLYMETAL TEKS @ 6" O/C
10 GA BENT PLATE CONT W/ 3/4" Ø ANCHOR BOLTS @ 32" O/C & 6" FROM ENDS
2" x 2" x 14 GA ANGLE CLIP @ EA JOIST

LEDGER DETAIL 1 1/2" **33**


B2/D14
1/8" TYP. TOP & BOT.
2 - 14 GA x UNPUNCHED 'C' STUDS WELDED THUS
1/8" 2-12 TYP
METAL STUDS
1/8"
CONC SLAB ON GRADE

FRAMING ELEVATION NTS **34**


3-1 1/2" x 9 GA STAPLES OR 3-STRONGHOLD 'J' NAILS @ EACH WIRE LOOP
JOIST OR RAFTER
HANGER WIRE
BRACING WIRE
1/4" Ø SCREW EYE W/ FULL THREAD EMBEDMENT (1 1/4" MIN)
JOIST OR RAFTER
BRACING WIRE
WOOD JOIST OR RAFTER A
WOOD JOIST OR RAFTER B
3-1 1/2" x 9 GA STAPLES OR 3-STRONGHOLD J NAILS @ EACH WIRE LOOP
2x BLOCKS W/ 2-16d COMMON NAILS EA END
BRACING WIRE
HANGER WIRE
FOR BRACING WIRES FULLY EMBED SCREW EYE THREAD IN DIRECTION OF WIRE
1/4" Ø DRILLED HOLE
SADDLE TIE SEE DETAIL E
HANGER WIRE
SOLID BLOCKING REQUIRED FOR EITHER TYPE OF BRACING WIRE
WOOD JOIST OR BLOCK C
BOTTOM OF JOIST D
DIMENSION GREATER THAN 2"
HANGER WIRES 3 TIGHT TURNS
BRACING WIRE 4 TIGHT TURNS
DO NOT INSERT SCREW EYES INTO SIDE OF WOOD TRUSS FLANGE
BRACING WIRES
TYP SADDLE TIE E
WOOD TRUSS UPPER FLANGE F
NOTE: DO NOT INSERT SCREW EYES PARALLEL TO LAMINATIONS
1/4" Ø SCREW EYE W/ 1 1/4" MIN PENETRATION (METAL MAY BE USED @ TOP CHORD)
1" MIN
HANGER WIRE
G
WOOD TRUSS LOWER FLANGE H

APPROVED FIRE AND PANIC ONLY
JUN 20 1988
OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88

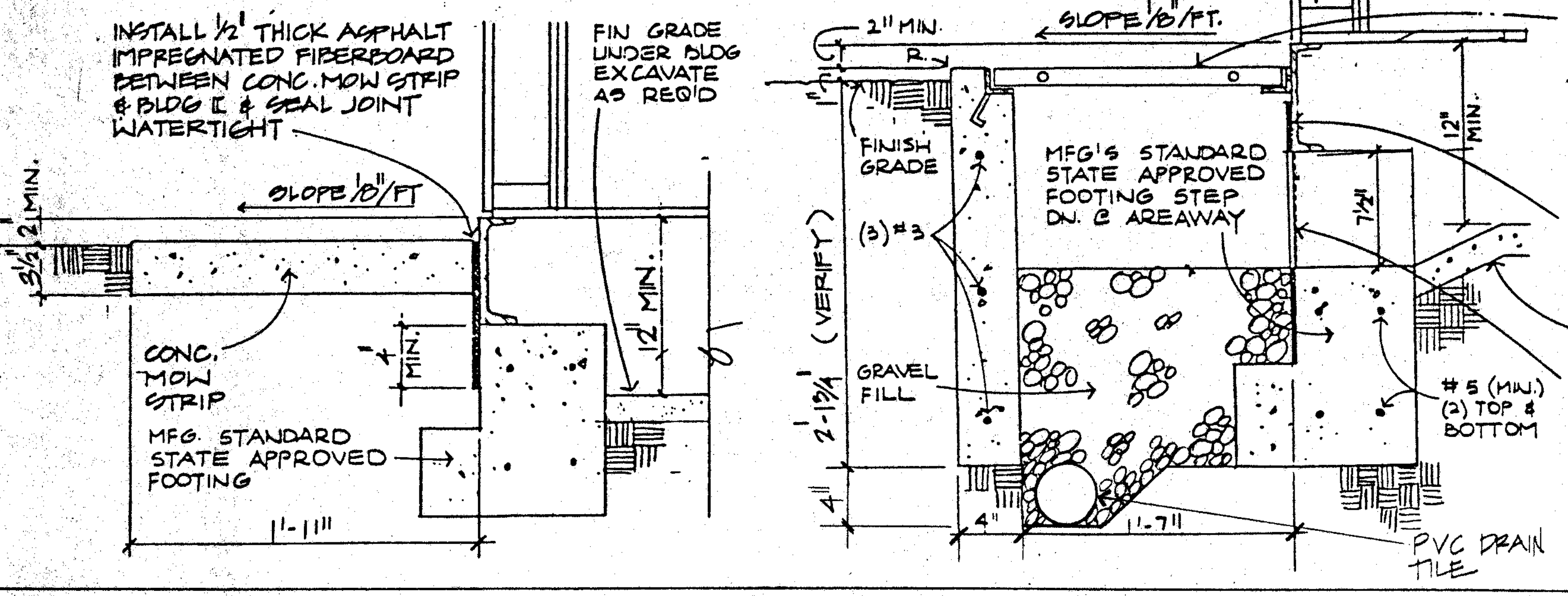
WIRE CONNECTIONS TO WOOD FRAMING NTS **35**

Drawn By Checked By Date MARCH 1988 Commission No. 18002	Revisions	Architects Planners RUHNAU McGAVIN RUHNAU/ASSOCIATES 3775 Tenth Street Riverside, CA 92501-3689 714/684-4664 6751 Palmer Way, Suite C Carlsbad, CA 92008-1895 619/438-6899	ARCHITECT C-8497	West Hills High School Grossmont Union High School District San Diego, Ca San Diego County

General Details

OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988

Sheet Number TD-1
of Sheets


INSTALL ½" THICK ASPHALT IMPREGNATED FIBERBOARD BETWEEN CONC. MOW STRIP & BLDG ℄ & SEAL JOINT WATERTIGHT
FIN GRADE UNDER BLDG EXCAVATE AS REQ'D
SLOPE ⅛"/FT
2" MIN.
3½"
12" MIN.
MIN.
CONC. MOW STRIP
MFG. STANDARD STATE APPROVED FOOTING
1'-11"
2" MIN.
SLOPE ⅛"/FT.
R.
FINISH GRADE
MFG'S STANDARD STATE APPROVED FOOTING STEP DN. @ AREAWAY
(3) #3
(VERIFY)
2-1¾
4"
GRAVEL FILL
4"
1'-7"
12" MIN.
7½"
#5 (MIN.) (2) TOP & BOTTOM
PVC DRAIN TILE

PROVIDE 'ALHAMBRA' #A-1584 STL. GRATE OR EQUAL W/ 1¾" x 1¾" x ¼" STL. ∠ FRAME. W/ANCHORS AROUND 3 SIDES OF GRATE. ATTACH BLDG SIDE OF FRAME TO STL. [W/ ¼" x 1" THREAD CUTTING SCREWS @ 6" O.C. LENGTH OF GRATE TO BE 3" BEYOND VENT OPENING EA. SIDE.

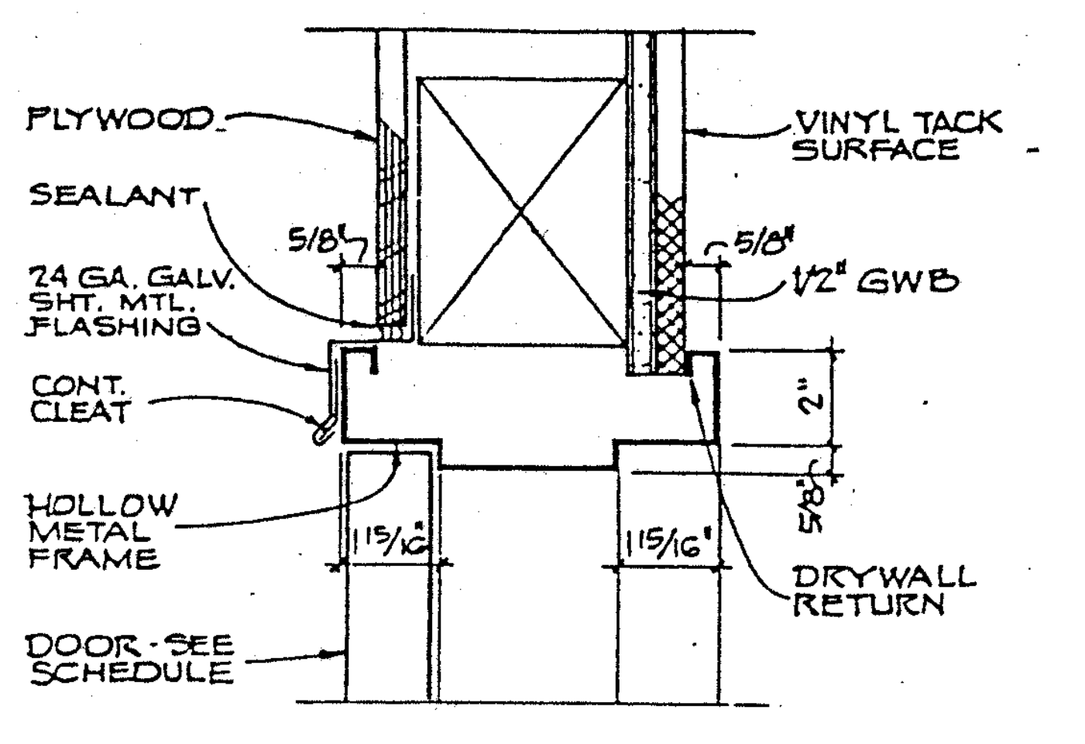
INSTALL ½" THICK ASPHALT IMPREGNATED FIBERBOARD BETWEEN AREA WAY VENT WALL & BLDG. STL [& CONC. FOOTING SEAL WATERTIGHT

2" CONC. SLAB ON GRADE UNDER BLDG EXCAVATE AS REQ'D

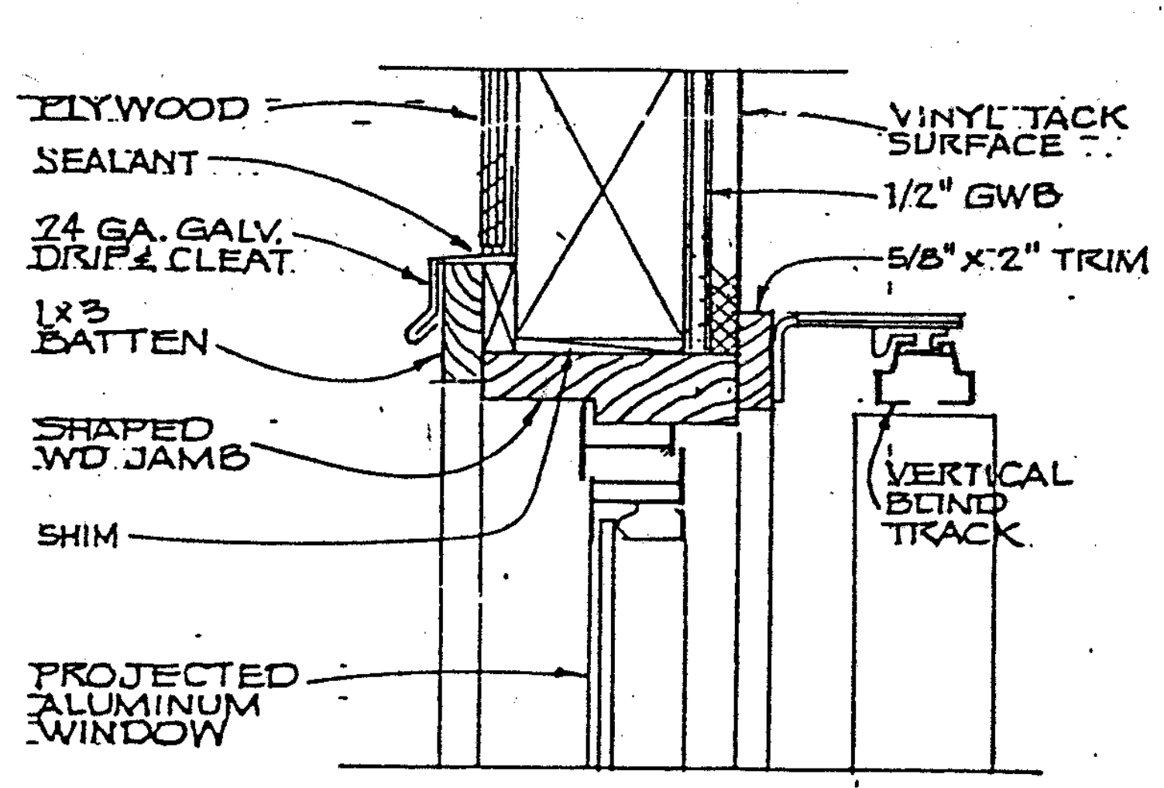
VENT OPENING IN PERIMETER FOOTING WALL. AREA OF OPENING TO BE 1½ SQ. FT PER 25 LINEAR FT OF PERIMETER WALL. PROVIDE SCREENS @ OPENINGS, 11 GAUGE EXPANDED GALV. STEEL W/ ¼" MESH. ATTACH TO FDN. STEM W/CONC. NAILS THROUGH TIN CAPS. WHEN LOCATION NOT NOTED ON FLOOR PLAN PROVIDE MIN. 2 VENTS OPPOSITE SIDES

FOOTINGS 1½" 3

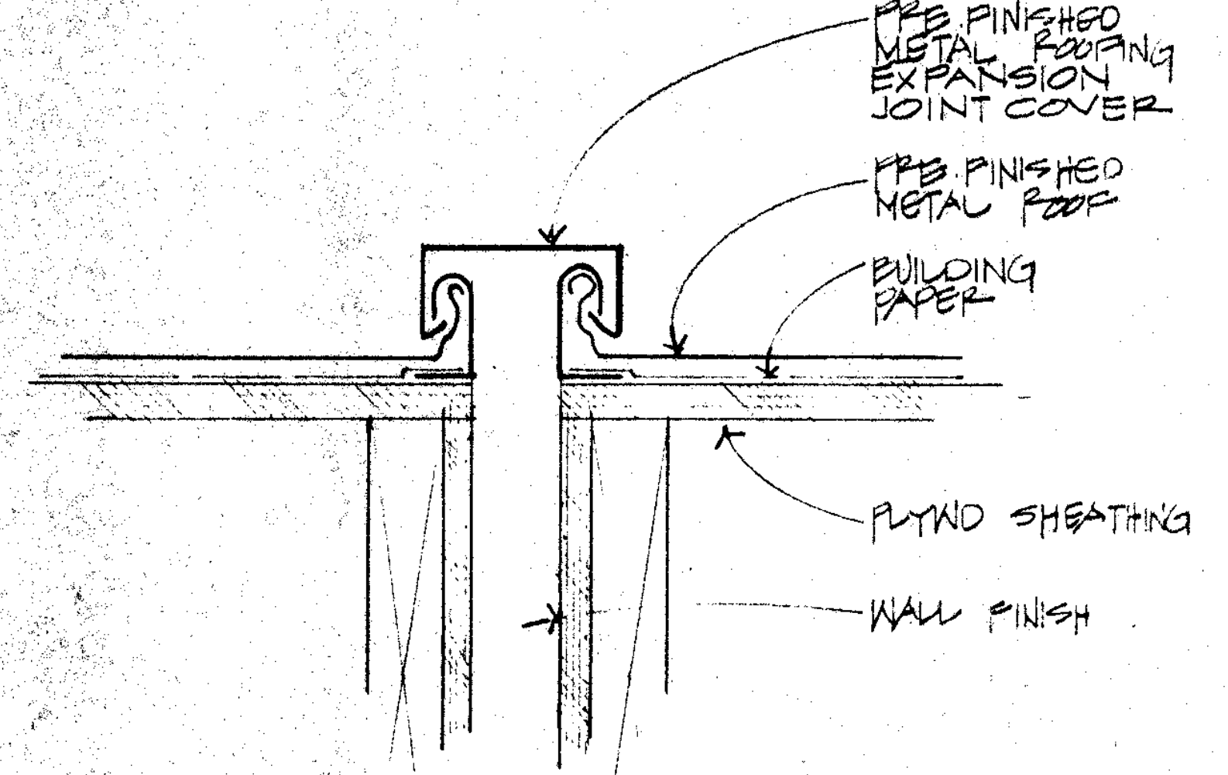
3" 4


PLYWOOD
SEALANT
5/8"
24 GA. GALV. SHT. MTL. FLASHING
CONT. CLEAT
HOLLOW METAL FRAME
DOOR-SEE SCHEDULE
1 15/16"
1 15/16"
VINYL TACK SURFACE
5/8"
1/2" GWB
2"
5/8"
DRYWALL RETURN

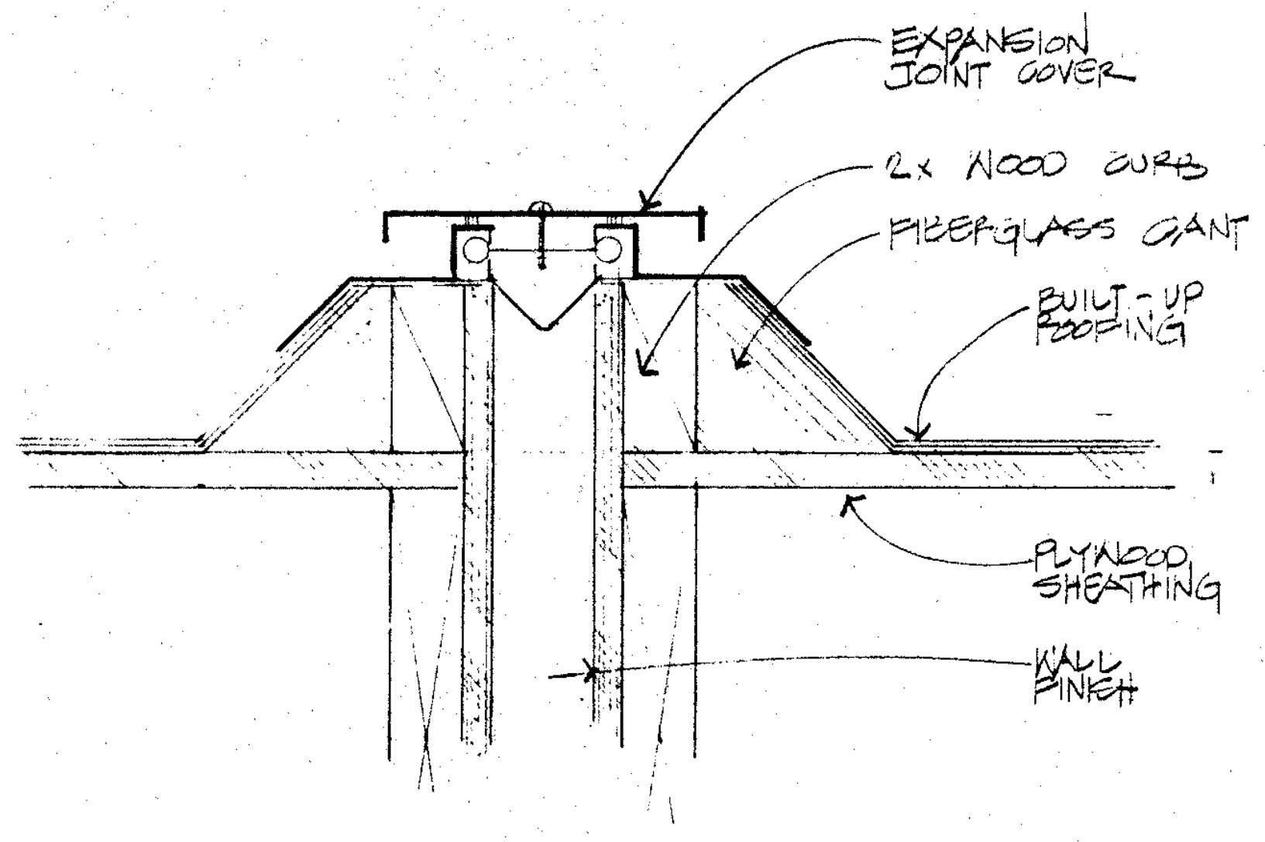
EXTERIOR DOOR HEAD 3" 5


PLYWOOD
SEALANT
24 GA. GALV. DRIP & CLEAT
1x3 BATTEN
SHAPED WD JAMB
SHIM
PROJECTED ALUMINUM WINDOW
VINYL TACK SURFACE
1/2" GWB
5/8" x 2" TRIM
VERTICAL BLIND TRACK

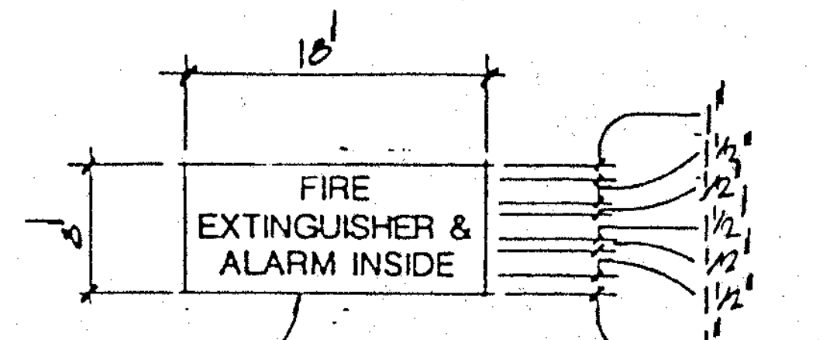
PROJECTED WINDOW HEAD 3" 6


PRE FINISHED METAL ROOFING EXPANSION JOINT COVER
PRE FINISHED METAL ROOF
BUILDING PAPER
PLYWD SHEATHING
WALL FINISH

JOINT COVER @ MTL ROOF 3" 7


EXPANSION JOINT COVER
2x WOOD CURB
FIBERGLASS CANT
BUILT-UP ROOFING
PLYWOOD SHEATHING
WALL FINISH

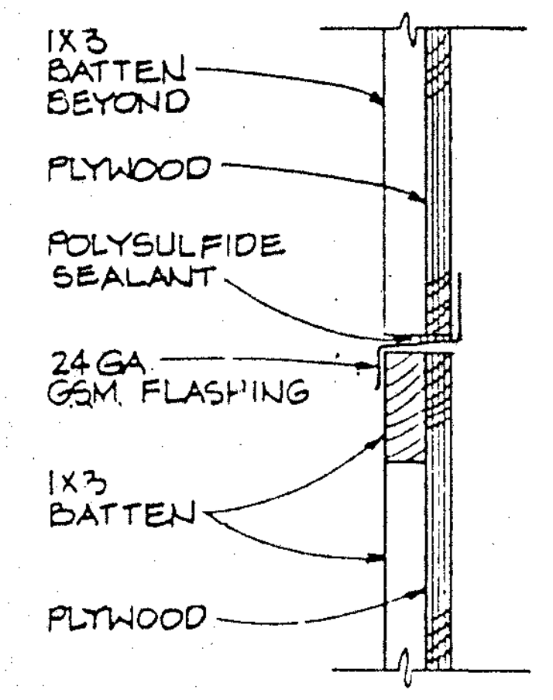
EXPANSION JOINT COVER 3" 8


18"
8"
FIRE EXTINGUISHER & ALARM INSIDE
1"
1½"
½"
1½"
½"
1½"
1"

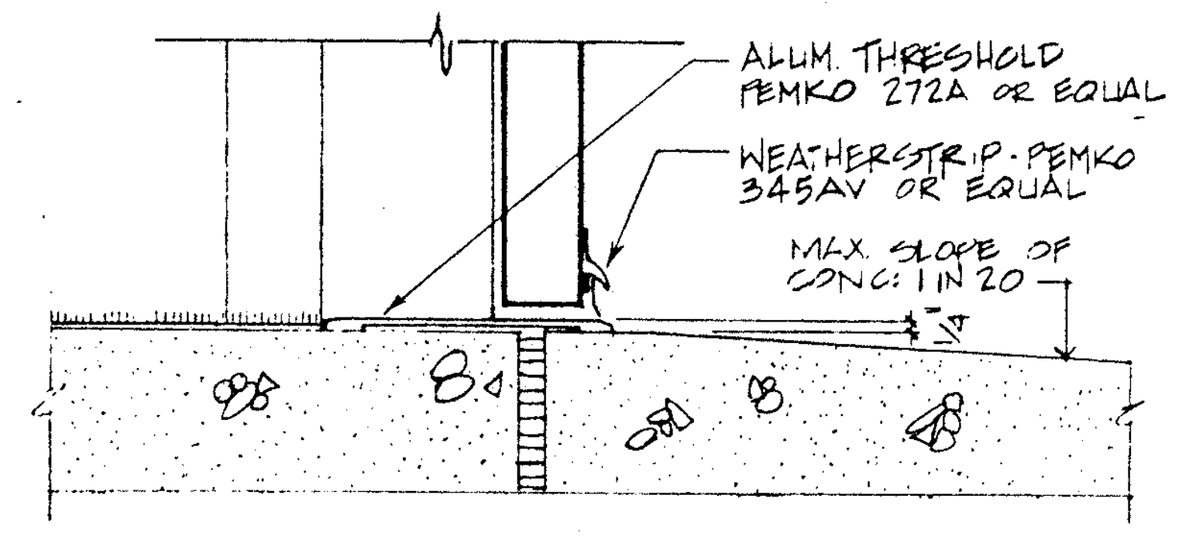
1½" HIGH LETTERS: PORCELAIN OR BAKED ON ENAMEL ON STEEL OR 0.050 GA. T-3 ALUM.

LETTERS TO BE WHITE ON CONTRASTING BACKGROUND.

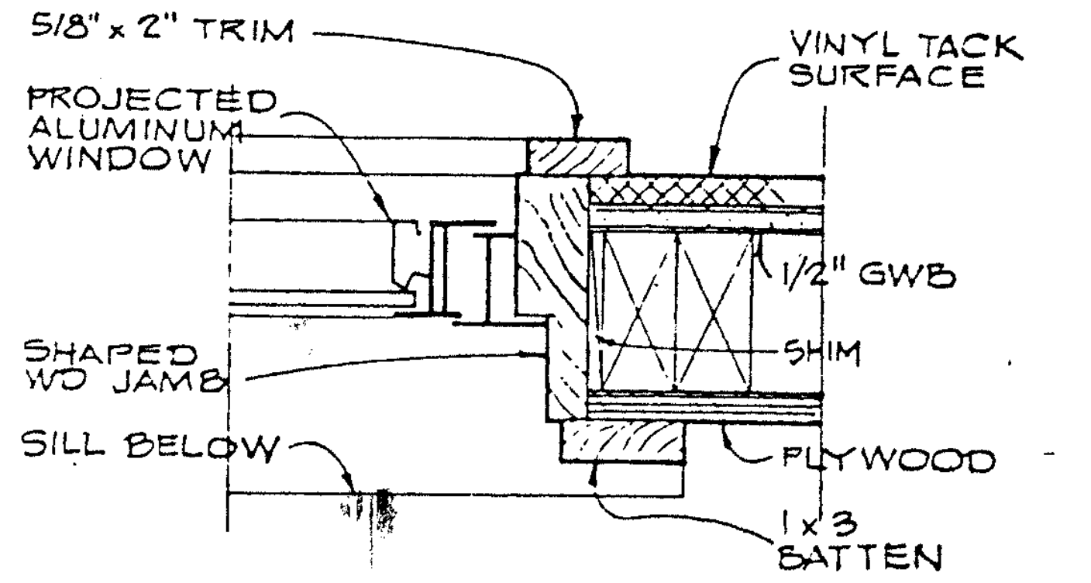
SIGN DETAIL 1" 9


1X3 BATTEN BEYOND
PLYWOOD
POLYSULFIDE SEALANT
24 GA. GSM. FLASHING
1X3 BATTEN
PLYWOOD

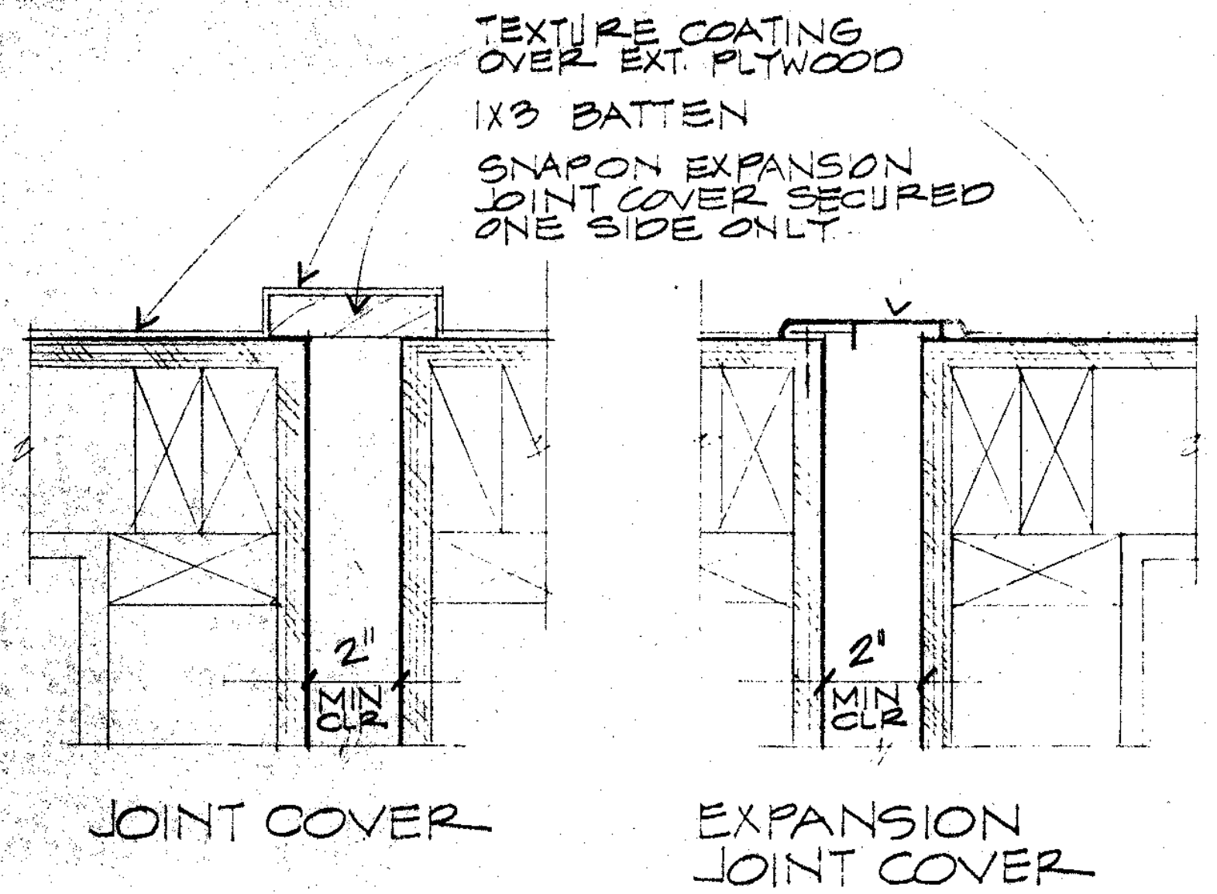
HORIZONTAL PLYWOOD JOINT N.T.S 10


ALUM. THRESHOLD PEMKO 272A OR EQUAL
WEATHERSTRIP-PEMKO 345AV OR EQUAL
MAX. SLOPE OF CONC: 1 IN 20
¼"

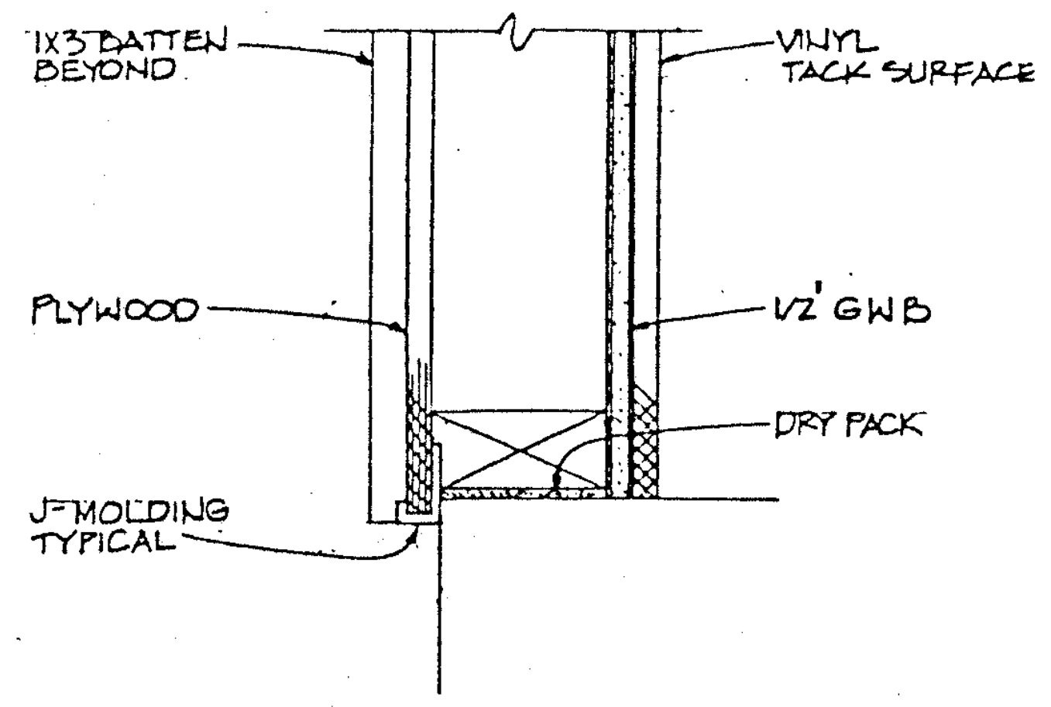
THRESHOLD 3" 11


5/8" x 2" TRIM
PROJECTED ALUMINUM WINDOW
SHAPED WD JAMB
SILL BELOW
VINYL TACK SURFACE
1/2" GWB
SHIM
PLYWOOD
1x3 BATTEN

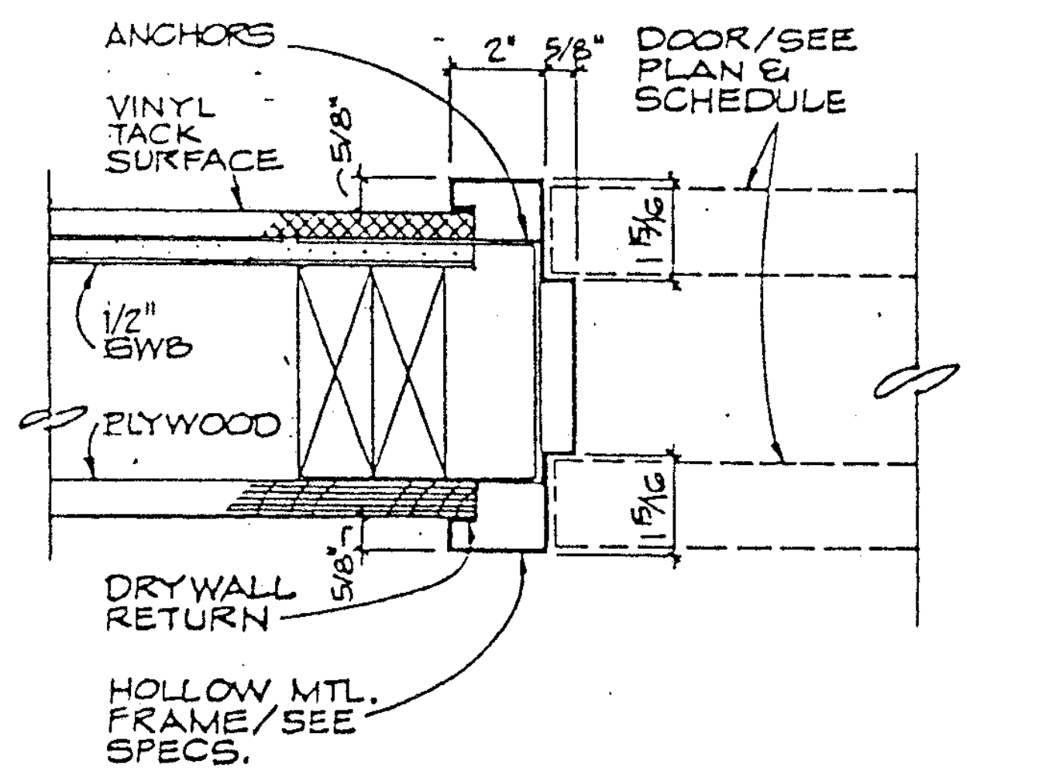
PROJECTED WINDOW JAMB 3" 12


TEXTURE COATING OVER EXT. PLYWOOD
1X3 BATTEN
SNAPON EXPANSION JOINT COVER SECURED ONE SIDE ONLY
2" MIN CLR
2" MIN CLR
JOINT COVER
EXPANSION JOINT COVER

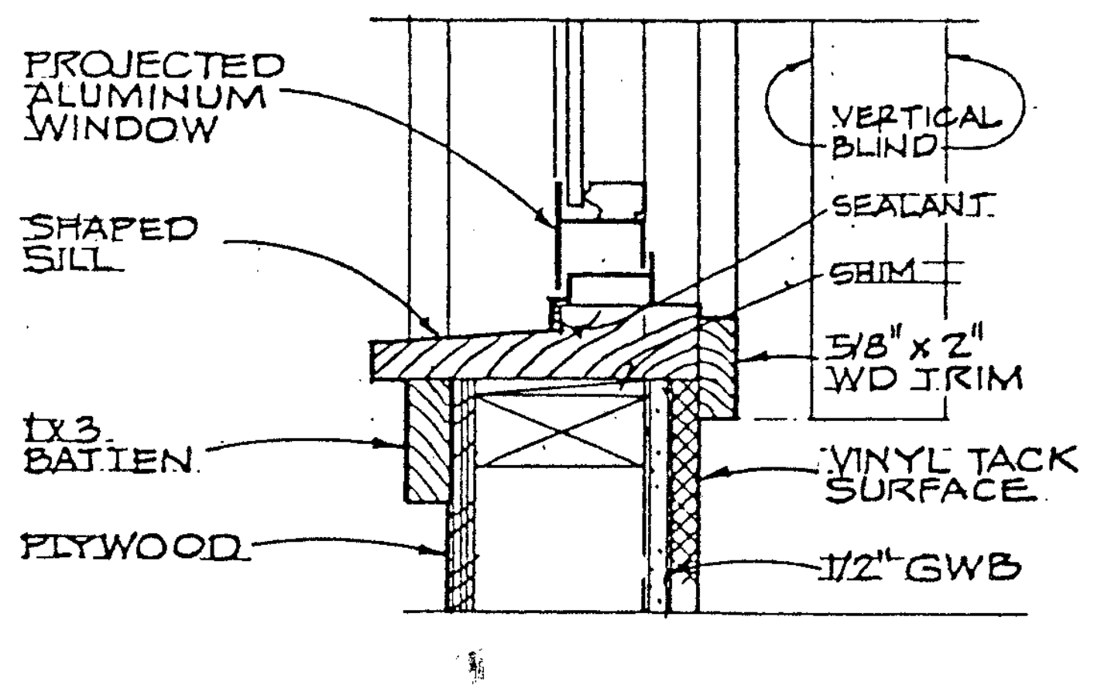
JOINT COVER @ WALL 3" 13


1X3 BATTEN BEYOND
PLYWOOD
J-MOLDING TYPICAL
VINYL TACK SURFACE
1/2" GWB
DRY PACK

SIDING SILL 3" 16


ANCHORS
VINYL TACK SURFACE
5/8"
1/2" GWB
PLYWOOD
DRYWALL RETURN
5/8"
HOLLOW MTL. FRAME/SEE SPECS.
2"
5/8"
DOOR/SEE PLAN & SCHEDULE
1 5/16
1 5/16

EXTERIOR DOOR JAMB 3" 17


PROJECTED ALUMINUM WINDOW
SHAPED SILL
1X3 BATTEN
PLYWOOD
VERTICAL BLIND
SEALANT
SHIM
5/8" x 2" WD TRIM
VINYL TACK SURFACE
1/2" GWB

PROJECTED WINDOW SILL 3" 18

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
John P. McCarty

49275 MAY 4 '88

APPROVED
FIRE AND PANIC SAFETY
JUN 20 1988
B.S.
STATE FIRE MARSHAL
SOUTHERN REGION

Drawn By
Checked By
Date
Commission No.

Revisions

Architects Planners
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ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

General Details

Sheet Number
TD-15
Of Sheets

115346

DOOR SCHEDULE

ALL HARDWARE FOR FIRE RESISTIVE LOCATION SHALL BE FIRE RATED BY AN APPROVED TESTING LABORATORY

[illegible]YMNASIUM - BUILDING NO. 1

DOOR NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	FRAME TYPE	FRAME MATL	FRAME FIN	FRAME COL	DETAILS HEAD	JAMB	JAMB	THRESH	LABEL	HDWR	DOOR NUMBER	REMARKS
101	PR 3-0 X 7-0	A	—	HM	P			HM	P		7/T07	1/T07	13/T07	—	3 HR	52	101	
102	[illegible]BER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	102	
103	[illegible]R NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	103	
104	[illegible]0 X 7-0	A	—	HM	P			HM	P		7/T07	1/T07	13/T07	—	3 HR	52	104	
105	PR [illegible] X 7-0	A	—	HM	P			HM	P		7/T07	1/T07	13/T07	—	3 HR	52	105	
106	NUMBER N[illegible]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	106	
107	NUMBER NOT [illegible]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	107	
108	PR 3-0 X 7-[illegible]	A	—	HM	P			HM	P		7/T07	1/T07	13/T07	—	3 HR	52	108	
109	3-0 X 7-0	[illegible]	—	SC				HM	P		7/T07	1/T07	—	25/T07	—	8	109	
110	3-0 X 7-0	[illegible]	—	SC				HM	P		7/T07	1/T07	—	4/T06	—	6	110	
111	PR 3-0 X 7-0	B	[illegible]	SC				HM	P		7/T07	2/T06	9/T07	25/T07	—	7	111	
112	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	112	
113	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	113	
114	PR 3-0 X 7-0	B	—	SC				HM	P		7/T07	2/T06	9/T07	25/T07	—	7	114	
115	PR 2-10 X 7-0	B	(2)24X3[illegible]	SC				HM	P		7/T07	8/T07	—	25/T07	—	9	115	FULL LOUVERED TRANSOM
116	PR 3-0 X 7-0	B	—	[illegible]				HM	P		7/T07	9/T07	13/T07	25/T07	—	7	116	
117	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	117	
118	3-0 X 7-0	B	—	SC				HM	P		7/T07	8/T07	—	25/T07	—	11	118	
119	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	119	
120	PR 3-4 X 7-0	C	—	SC				HM	P		7/T07	2/T06	8/T07	25/T07	—	28	120	DUTCH DOOR 1 LEAF ONLY
121	3-0 X 7-0	B	—	SC				HM	P		7/T07	8/T07	—	25/T07	—	11	121	
122	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	122	
123	PR 3-0 X 7-0	B	—	SC				HM	P		7/T07	9/T07	13/T07	25/T07	—	7	123	
124	PR 2-10 X 7-0	B	(2)24X36	SC				HM	P		7/T07	9/T07	—	25/T07	—	9	124	FULL LOUVERED [illegible]OM
125	PR 3-0 X 7-0	B	—	SC				[illegible]M	P		7/T07	2/T06	9/T07	25/T07	—	7	125	
126	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	126	
127	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	127	
128	PR 3-0 X 7-0	B	—	SC				HM	[illegible]		7/T07	2/T06	9/T07	25/T07	—	7	128	
129	3-0 X 7-0	B	24X24	SC				HM	[illegible]		7/T07	1/T07	—	25/T07	—	10	129	
130	3-0 X 7-0	B	—	SC				HM	P		7/T07	1/T07	—	4/T06	—	6	13[illegible]	
131	8-0 X 7-0	F	—	MTL				MTL	[illegible]		[illegible]4/T07	30/T07	—	—	45 MIN	12	[illegible]	AS PER MANUFACTURER
132	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	[illegible]2	
133	3-0 X 7-0	B	—	SC				HM	P		[illegible]	2/T07	—	—	—	1[illegible]	133	
134	PR 3-0 X 7-0	B	24X12	SC				HM	P		2[illegible]	2/T07	—	3/T06	45 MIN	[illegible]	134	
135	3-0 X 7-0	B	—	SC				HM	P		3/T0[illegible]	[illegible]T07	—	—	20 MIN	[illegible]	135	MALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
136	PR 3-0 X 7-0	D	—	GL/HM	P			HM	P		2/T07	2[illegible]	13/T07	3/T06	20[illegible]	51	136	
137	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	137	
138	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	138	
139	PR 3-0 X 7-0	D	—	GL/HM	P			HM	P		2/T07	2/T07	[illegible]7	3/T0[illegible]	[illegible]0 MIN	51	139	
140	PR 3-0 X 7-0	D	—	GL/HM	P			HM	P		2/T07	2/T07	13[illegible]	3[illegible]	20 MIN	51	140	
141	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	13/T0[illegible]	[illegible]	—	—	141	
142	PR 3-0 X 7-0	D	—	GL/HM	P			HM	P		2/T07	2/T07	19/T[illegible]	[illegible]	20 MIN	51	142	
143	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	143	
144	3-0 X 7-0	B	—	SC				HM	P		3/T07	3/T07	[illegible]	—	[illegible] MIN	15	144	FEMALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
145	3-0 X 7-0	B	—	SC				HM	P		2/T07	2/T07	[illegible]	—	[illegible]IN	16	145	
146	3-0 X 7-0	B	—	SC				HM	P		2/T07	2[illegible]	—	—	20 [illegible]	17	146	
147	8-0 X 7-0	F	—	MTL				MTL			24/T07	[illegible]07	—	—	45 MIN	[illegible]2	147	AS PER MANUFACTURER
148	3-0 X 7-0	B	—	SC				HM	P		2/T07	[illegible]T07	—	3/T06	45 MIN	[illegible]	148	
149	PR 3-0 X 7-0	B	24X12	SC				HM	P		2/T[illegible]	2/T07	—	3/T06	45 MIN	[illegible]	149	
150	PR 3-0 X 7-0	A	—	HM	P			HM	P		1[illegible]	1/T07	13/T07	—	3 HR	52	[illegible]50	
151	PR 2-6 X 7-0	B	—	SC				HM	P		[illegible]T07	2/T07	—	—	45 MIN	19	[illegible]	
152	PR 3-0 X 7-0	B	—	SC				HM	P		2/T07	2/T07	—	—	20 MIN	29	15[illegible]	
153	PR 3-0 X 7-0	B	—	SC				HM	P		2/T07	2/T07	—	—	20 MIN	85	153	
154	3-0 X 7-0	B	—	SC				HM	P		2/T07	2/T07	—	—	20 MIN	22	154	
155	PR 3-0 X 7-0	A	—	HM	P			HM	P		1/T06	1/T07	13/T07	3/T06	3 HR	52	155	
156	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	156	
157	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	157	
158	PR 3-0 X 7-0	A	—	HM	P			[illegible]	P		1/T06	1/T07	13/T07	3/T06	3 HR	52	158	
159	3-0 X 7-0	B	—	SC				[illegible]	P		2/T07	2/T07	—	—	45 MIN	16	159	
160	3-0 X 7-0	B	—	SC				HM	P		3/T07	3/T07	—	—	—	23	160	
161	3-0 X 7-0	B	—	SC				HM	P		2/T07	2/T07	—	—	—	20	161	
162	3-0 X 7-0	B	—	SC				HM	P		2/T07	2/T07	—	—	—	20	162	
163	3-0 X 7-0	B	—	SC				HM	P		3/T07	3/T07	—	—	—	23	163	
164	3-0 X 7-0	B	—	SC				HM	P		2/T07	2/T07	—	—	45 MIN	16	164	
165	PR 3-0 X 7-0	A	—	HM	[illegible]			HM	P		1/T06	1/T07	13/T07	3/T06	3 HR	52	165	
166	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	166	
167	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	167	
168	PR 3-0 X 7-0	A	—	[illegible]	P			HM	P		1/T06	1/T07	13/T07	3/T06	3 HR	52	168	
169	3-0 X 7-0	B	24X24	[illegible]				HM	P		2/T07	2/T07	—	—	—	25	169	
170	PR 3-0 X 7-0	A	[illegible]	HM	P			HM	P		1/T06	1/T07	13/T07	—	3 HR	52	170	
171	PR 2-6 X 7-0	B	[illegible]	SC				HM	P		2/T07	2/T07	—	—	45 MIN	19	171	
172	PR 3-0 X 7-0	B	[illegible]	SC				HM	P		2/T07	2/T07	—	—	20 MIN	29	172	
173	3-0 X 7-0	B	—	SC				HM	P		2/T07	2/T07	—	—	20 MIN	22	173	
174	PR 3-0 X 7-0	[illegible]	—	SC				HM	P		2/T07	2/T07	—	—	20 MIN	85	174	
175	PR 3-0 X 7-0	[illegible]	—	SC				HM	P		2/T07	2/T07	—	—	20 MIN	85	175	
176	3-0 X 7[illegible]	B	—	SC				HM	P		2/T07	2/T07	—	—	—	26	176	
177	3-0 X[illegible]	B	—	SC				HM	P		2/T07	2/T07	—	—	20 MIN	30	177	
178	4-0[illegible]0	B	—	SC				HM	P		2/T07	2/T07	—	—	45 MIN	27	178	
179	[illegible]7-0	B	—	SC				HM	P		2/T07	2/T07	—	—	45 MIN	27	179	
180	[illegible]X 7-0	B	—	SC				HM	P		2/T07	2/T07	—	—	20 MIN	30	180	
181	[illegible]3-0 X 7-0	B	—	SC				HM	P		2/T07	2/T07	—	—	—	26	181	
182	[illegible]R 3-0 X 7-0	B	—	SC				HM	P		2/T07	2/T07	—	—	20 MIN	85	182	
1[illegible]	14-0 X 23-0	E	—								11/07	17/T07	23/T07	—	—	12	183	AS PER MANUFACTURER
[illegible]	3-0x7-0	B	—	SC				HM	P		2/TD7	2/TD7	—	—	45 MIN	16	184	
[illegible]5	3-0x7-0	B	—	SC				HM	P		2/TD7	2/TD7	—	—	45 MIN	16	185	

N.I.C.

N.I.C.

N.I.C.

N.I.C.

PERFORMING ARTS - BUILDING NO. 1

DOOR NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	FRAME TYPE	FRAME MATL	FRAME FIN	FRAME COL	DETAILS HEAD	JAMB	JAMB	THRESH	LABEL	HDWR	DOOR NUMBER	REMARKS
101A	PR 3-0 X 7-0	D	—	GL/HM	P	P-18	—	HM	P	P-16	7/T07	9/T07	13/T07	25/T07	—	1	101A	
102A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	102A	
103A	PR 3-0 X 7-0	D	—	GL/HM	P	P-18	—	HM	P	P-16	7/T07	13/T07	—	25/T07	—	2	103A	
104A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	104A	
105A	PR 3-0 X 7-0	D	—	GL/HM	P	P-18	—	HM	P	P-16	7/T07	13/T07	—	25/T07	—	2	105A	
106A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	106A	
107A	PR 3-0 X 7-0	D	—	GL/HM	P	P-18	—	HM	P	P-16	7/T07	13/T07	—	25/T07	—	2	107A	
108A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	108A	
109A	PR 3-0 X 7-0	D	—	GL/HM	P	P-18	—	HM	P	P-16	7/T07	13/T07	—	25/T07	—	1	109A	
110A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	110A	
111A	PR 3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/T07	2/T06	9/T07	25/T07	—	3	111A	
112A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	112A	
113A	PR 3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/T07	2/T06	13/T07	25/T07	—	3	113A	
114A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	114A	
115A	3-0 X 7-0	B	(2)24X20	HM	P	P-18	—	HM	P	P-16	7/T07	8/T07	—	25/T07	—	9	115A	
116A	PR 3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/T07	9/T07	13/T07	25/T07	—	4	116A	
117A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	117A	
118A	PR 3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/T07	9/T07	13/T07	25/T07	—	4	118A	
119A	3-0 X 7-0	B	—	SC	P	P-9	—	HM	P	P-9	2/T07	2/T07	—	—	45 MIN	7	119A	
120A	PR 3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/T07	9/T07	13/T07	25/T07	—	4	120A	
121A	3-0 X 7-0	B	—	SC	P	P-2	—	HM	P	P-2	2/TD7	2/TD7	—	—	—	10	121A	
122A	3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	122A	
123A	6-8 X 10-0	F	—	MTL	P	P-18	—	MTL	P	P-16	24/T07	30/T07	—	—	—	20	123A	AS PER MANUFACTURER
124A	3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/T07	9/T07	13/T07	25/T07	—	12	124A	
125A	3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/T07	7/T07	8/T07	25/T07	—	12	125A	
126A	PR 3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/T07	7/T07	8/T07	25/T07	—	16	126A	
127A	3-0 X 3-6	N	—	WD	—	—	—	—	—	—	—	—	—	—	—	22	127A	FINISH TO MATCH ADJACENT WALL
128A	3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/T07	7/T07	8/T07	25/T07	—	12	128A	
129A	3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	129A	
130A	PR 3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/T07	9/T07	13/T07	25/T07	—	4	130A	
131A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	131A	
132A	PR 3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/T07	9/T07	13/T07	25/T07	—	4	132A	
133A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	133A	
134A	PR 3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/T07	9/T07	13/T07	25/T07	—	4	134A	
135A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	135A	
136A	3-6 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/T07	8/T07	—	25/T07	45 MIN	8	136A	
137A	3-0 X 7-0	B	—	SC	P	P-9	—	HM	P	P-9	2/T07	2/T07	—	—	20 MIN	7	137A	
138A	3-0 X 7-0	B	—	SC	P	P-9	—	HM	P	P-9	2/T07	2/T07	—	—	45 MIN	7	138A	
139A	PR 3-0 X 7-0	B	—	HM	WV	WV-2	—	HM	P	P-7	2/T07	2/T07	—	—	1 1/2 HR	5	139A	
140A	PR 3-0 X 7-0	B	—	HM	WV	WV-2	—	HM	P	P-7	2/T07	2/T07	—	—	20 MIN	5	140A	
141A	3-0 X 7-0	B	—	HM	P	P-11	—	HM	P	P-11	2/T07	2/T07	—	—	1 1/2 HR	21	141A	
142A	3-0 X 7-0	B	—	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	45 MIN	7	142A	
143A	3-0 X 7-0	B	—	SC	—	—	—	HM	P	P-9	2/T07	2/T07	—	—	1 1/2 HR	18	143A	2 1/2" THICK SOUND DOOR, FINISH TO MATCH ADJACENT WALL
144A	3-0 X 7-0	B	—	SC	P	P-9	—	HM	P	P-9	2/T07	2/T07	—	—	20 MIN	7	144A	
145A	3-0 X 7-0	B	—	SC	P	P-9	—	HM	P	P-9	2/T07	2/T07	—	—	—	7	145A	
146A	3-0 X 7-0	B	—	SC	P	P-9	—	HM	P	P-9	2/T07	2/T07	—	—	1 1/2 HR	7	146A	
147A	3-0 X 7-0	B	—	HM	P	P-11	—	HM	P	P-11	2/T07	2/T07	—	—	1 1/2 HR	21	147A	
148A	PR 3-0 X 7-0	B	—	HM	WV	WV-2	—	HM	P	P-7	2/T07	2/T07	—	—	1 1/2 HR	5	148A	
149A	PR 3-0 X 7-0	B	—	HM	WV	WV-2	—	HM	P	P-7	2/T07	2/T07	—	—	20 MIN	5	149A	
150A	PR 3-0 X 7-0	B	—	HM	WV	WV-2	—	HM	P	P-7	2/T07	2/T07	—	—	20 MIN	5	150A	

PERFORMING ARTS - BUILDING NO. 1 CONTINUED

DOOR NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	FRAME TYPE	FRAME MATL	FRAME FIN	FRAME COL	DETAILS HEAD	JAMB	JAMB	THRESH	LABEL	HDWR	DOOR NUMBER	REMARKS
151A	3-0x7-0	B	—	SC	P	P-7	—	HM	P	P-7	2/TD7	2/TD7	—	—	45 MIN	7	151A	
152A	PR 3-0 X 7-0	B	—	HM	WV	WV-2	—	HM	P	P-7	2/T07	2/T07	—	—	20 MIN	5	152A	
153A	PR 3-0 X 7-0	B	—	HM	WV	WV-2	—	HM	P	P-12	2/T07	2/T07	—	—	20 MIN	5	153A	
154A	3-0 X 7-0	B	—	SC	P	P-9	—	HM	P	P-9	2/T07	2/T07	—	—	45 MIN	7	154A	
155A	3-0 X 7-0	B	—	SC	P	P-9	—	HM	P	P-9	2/T07	2/T07	—	—	1 1/2 HR	7	155A	
156A	3-0 X 7-0	B	—	HM	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	—	10	156A	
157A	3-0 X 7-0	B	—	SC	P	P-2	—	HM	P	P-12	2/T07	2/T07	—	—	—	7	157A	
158A	PR 3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-7	2/T07	2/T07	—	—	20 MIN	5	158A	
159A	3-0x7-0	B	—	SC	P	P-7	—	HM	P	P-7	2/TD7	2/TD7	—	—	45 MIN	7	159A	
160A	PR 3-0 X 7-0	B	—	HM	WV	WV-2	—	HM	P	P-7	2/T07	2/T07	—	—	20 MIN	5	160A	
161A	PR 3-0 X 7-0	B	—	HM	WV	WV-2	—	HM	P	P-12	2/T07	2/T07	—	—	20 MIN	5	161A	
162A	3-0 X 7-0	B	—	SC	P	P-9	—	HM	P	P-9	2/T07	2/T07	—	—	20 MIN	7	162A	
163A	3-0 X 7-0	B	—	HM	P	P-9	—	HM	P	P-9	2/T07	2/T07	—	—	1 1/2 HR	21	163A	
164A	3-0 X 7-0	B	—	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	45 MIN	7	164A	
165A	3-0 X 7-0	B	—	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	7	165A	
166A	3-0 X 7-0	B	—	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	11	166A	
167A	3-0 X 7-0	B	—	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	45 MIN	7	167A	
168A	3-0 X 7-0	B	—	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	11	168A	
169A	3-0 X 7-0	B	—	SC	P	P-2	—	HM	P	P-2	3/T07	3/T07	—	—	20 MIN	19	169A	FEMALE HANDICAPPED SIGN PER DETAIL 2/TD-12
170A	3-0 X 7-0	B	—	SC	P	P-2	—	HM	P	P-2	3/T07	3/T07	—	—	20 MIN	19	170A	MALE HANDICAPPED SIGN PER DETAIL 2/TD-12
171A	3-0 X 7-0	B	—	HM	P	P2/P15	—	HM	P	P-2	2/T07	2/T07	—	3/T06	1 1/2 HR	13	171A	2 1/2" THICK SOUND DOOR
172A	3-0 X 7-0	B	—	HM	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	13	172A	2 1/2" THICK SOUND DOOR
173A	3-0 X 7-0	B	—	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	—	—	—	17	173A	2 1/2" THICK SOUND DOOR W/ 6" X 24" LAMINATED GLASS VIEW WINDOW, DOUBLE GLAZED
174A	3-0 X 7-0	B	—	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	—	—	45 MIN	7	174A	
175A	3-0 X 7-0	B	—	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	—	—	—	17	175A	2 1/2" THICK SOUND DOOR W/ 6" X 24" LAMINATED GLASS VIEW WINDOW, DOUBLE GLAZED
176A	3-0 X 7-0	B	—	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	—	—	—	17	176A	2 1/2" THICK SOUND DOOR W/ 6" X 24" LAMINATED GLASS VIEW WINDOW, DOUBLE GLAZED
177A	3-0 X 7-0	B	—	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	—	—	—	17	177A	2 1/2" THICK SOUND DOOR W/ 6" X 24" LAMINATED GLASS VIEW WINDOW, DOUBLE GLAZED
178A	3-0 X 7-0	B	—	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	—	—	—	17	178A	2 1/2" THICK SOUND DOOR W/ 6" X 24" LAMINATED GLASS VIEW WINDOW, DOUBLE GLAZED
179A	4-0 X 7-0	B	—	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	—	—	45 MIN	18	179A	
180A	PR 3-0 X 7-0	B	—	HM	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	14	180A	2 1/2" THICK SOUND DOOR
181A	3-0 X 7-0	B	—	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	—	—	45 MIN	11	181A	
182A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	182A	
183A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	183A	
184A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	184A	
185A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	185A	
186A	9-6 X 5-3	F	—	MTL	P	P-15	—	MTL	P	P-15	—	—	—	—	45 MIN	20	186A	AS PER MANUFACTURER
187A	9-6 X 5-3	F	—	MTL	P	P-15	—	MTL	P	P-15	—	—	—	—	45 MIN	20	187A	AS PER MANUFACTURER
188A	3-0 X 7-0	B	—	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	—	—	—	17	188A	2 1/2" THICK SOUND DOOR
189A	3-0 X 7-0	B	—	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	—	—	45 MIN	7	189A	
190A	3-0 X 7-0	B	—	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	7	190A	
191A	PR 3-0 X 7-0	B	—	HM	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	14	191A	2 1/2" THICK SOUND DOOR
192A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	192A	
193A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	193A	
194A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	194A	
195A	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	195A	
196A	PR 3-0 X 10-0	B	—	HM	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	14	196A	2 1/2" THICK SOUND DOOR
197A	PR 4-0 X 10-0	B	—	HM	P	P-2/P-15	—	HM	P	P2/P15	2/TD7	2/TD7	—	3/T06	1 1/2 HR	52	197A	2 1/2" THICK SOUND DOOR
198A	PR 2-0 X 3-6	N	—	WD	—	—	—	—	—	—	—	—	—	—	—	23	198A	FINISH TO MATCH ADJACENT WALL
199A	3-0 X 7-0	B	—	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	1 1/2 HR	7	199A	
100AA	8-0 X 5-6	M	—	MTL	P	P-9	—	—	P	P-9	15/T07	21/T07	—	27/T07	20 MIN	20	100AA	AS PER MANUFACTURER
101AA	8-0 X 5-6	M	—	MTL	P	P-9	—	—	P	P-9	15/T07	21/T07	—	27/T07	20 MIN	20	101AA	AS PER MANUFACTURER
102AA	3-0x7-0	B	—	SC	P	P-9	—	HM	P	P-9	2/T07	2/T07	—	—	20 MIN	7	102AA	
103AA	3-0 X 7-0	B	—	SC	P	P-15	—	HM	P	P-15	2/T07	2/T07	—	—	20 MIN	7	103AA	2ND LEVEL DOOR @ STAIR LANDING
104AA	3-0 X 7-0	A	—	HM	P	P-18/P-15	—	HM	P	P-18/P15	7/TD7	2/TD6			1 1/2 HR	27	104AA	ROOF DOOR @ FLYLOFT
105AA	PR 3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P-16	7/TD7	2/TD6			—	3	105AA	
106AA	PR 3-0 X 7-0	B	—	HM	P	P-18	—	HM	P	P16	7/TD7	2/TD6			—	3	106AA	
107AA	3-6 X 7-0	B	—	SC	P	P-15	—	HM	P	P-15	2/TD7	2/TD7			20 MIN	7	107AA	2ND LEVEL DOOR @ CATWALK LANDING

ADMINISTRATION - BUILDING NO. 2

DOOR NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	FRAME TYPE	FRAME MATL	FRAME FIN	FRAME COL	DETAILS HEAD	JAMB	JAMB	THRESH	LABEL	HDWR	DOOR NUMBER	REMARKS
201	PR 3-0 X 7-0	D	—	GL/HM	P	P-18	—	HM	P	P-16	7/T07	2/T06	10/T07	25/T07	—	4	201	
202	3-0x7-0	B	—	SC	P	P-18	—	HM	P	P-16	7/TD7	8/TD7	—	25/TD7	—	24	202	6"x 24"x 1/4" THICK CLEAR TEMP. GLASS VIEW WINDOW
203	3-0 X 7-0	B	—	SC	P	P-18	—	HM	P	P-16	7/T07	7/T07	8/T07	25/T07	—	12	203	INTERIOR OF DOOR TO BE PAINTED #P-2
204	3-0 X 7-0	B	—	SC	P	P-18	—	HM	P	P-16	7/T07	7/T07	—	25/T07	—	24	204	
205	3-0 X 7-0	B	—	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	205	
206	3-0 X 7-0	B	—	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	—	25/T07	—	24	206	
207	3-0 X 7-0	B	—	SC	P	P-18	—	HM	P	P-16	7/T07	7/T07	8/T07	25/T07	—	25	207	
208	3-0 X 7-0	B	—	SC	P	P-18	—	HM	P	P-16	7/T07	7/T07	8/T07	25/T07	—	25	208	
209	3-0 X 7-0	B	—	SC	P	P-18	—	HM	P	P-16	7/T07	7/T07	8/T07	25/T07	—	24	209	
210	3-0 X 7-0	B	—	SC	P	P-18	—	HM	P	P-16	7/T07	7/T07	8/T07	25/T07	—	24	210	INTERIOR OF DOOR TO BE PAINTED #P-2
211	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	7	211	
212	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	—	10	212	
213	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	7	213	
214	3-0 X 7-0	B	—	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	—	10	214	6" X 24" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
215	3-0 X 7-0	B	—	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	—	10	215	6" X 24" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
216	3-0 X 7-0	B	24X12	SC	P	P-17	—	HM	P	P-2	3/T07	3/T07	—	—	—	26	216	UNISEX HANDICAPPED SYMBOL PER DETAIL 7/TD-14
217	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	—	10	217	
218	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	7	218	
219	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	7/T07	—	20 MIN	7	219	
220	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	7	220	
221	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	7	221	
222	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	45 MIN	7	222	
223	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	7	223	
224	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	7	224	
225	2-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	45 MIN	7	225	
226	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	45 MIN	7	226	
227	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	7	227	
228	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	7	228	
229	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	7	229	
230	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	7	230	
231	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	45 MIN	7	231	
232	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	45 MIN	7	232	
233	3-0 X 7-0	B	—	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	—	—	45 MIN	7	233	
234	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	7/T07	—	45 MIN	7	234	
235	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	7	235	
236	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	—	—	20 MIN	7	236	
237	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	3/T07	3/T07	—	—	20 MIN	29	237	MALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
238	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	3/T07	3/T07	—	—	20 MIN	29	238	FEMALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
239	NUMBER NOT USED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	239	
240	PR 3-0 X 7-0	D	—	GL/HM	P	P-2	—	HM	P	P-2	7/T07	2/T06	10/T07	25/T07	—	4	240	
241	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/TD7	2/TD7	—	—	20 MIN	21	241	6" X 24" X 1/4" THICK WIRE GLASS VIEW WINDOW
242	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/TD7	2/TD7	—	—	45 MIN	7	242	
243	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/TD7	2/TD7	—	—	20 MIN	7	243	6" X 24" X 1/4" THICK WIRE GLASS VIEW WINDOW
244	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/TD7	2/TD7	—	—	20 MIN	21	244	6" X 24" X 1/4" THICK WIRE GLASS VIEW WINDOW
245	3-0 X 7-0	B	—	SC	WV	WV-2	—	HM	P	P-2	2/TD7	2/TD7	—	—	20 MIN	7	245	
246	6-0 X 7-0	F	—	—	—	—	—	—	—	—	—	—	—	—	20 MIN	20	246	AS PER MANUFACTURER
247	16-0 X 7-0	F	—	—	—	—	—	—	—	—	—	—	—	—	20 MIN	20	247	AS PER MANUFACTURER
248	3-0x7-0	B	—	SC	P	P-18	—	HM	P	P-16	7/TD7	8/TD7	—	25/TD7	—	24	248	

BUSINESS - BUILDING NO. 3

DOOR NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	FRAME TYPE	FRAME MATL	FRAME FIN	FRAME COL	DETAILS HEAD	JAMB	JAMB	THRESH	LABEL	HDWR	DOOR NUMBER	REMARKS
301	3-0 X 7-0	B	—	SC	P	P-18		HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	301	INTERIOR OF DOOR TO BE PAINTED #2
302	3-0 X 7-0	B	—	SC	P	P-18		HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	302	
303	3-0 X 7-0	B	—	SC	P	P-18		HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	303	
304	3-0 X 7-0	B	—	SC	P	P-18		HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	304	
305	3-0 X 7-0	B	—	SC	P	P-18		HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	305	
306	3-0 X 7-0	B	—	SC	P	P-18		HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	306	
307	3-0 X 7-0	B	—	SC	P	P-18		HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	307	INTERIOR OF DOOR TO BE PAINTED #2
308	3-0 X 7-0	B	24X12	SC	P	P-17		HM	P	P-16	7/T07	8/T07	—	25/T07	—	30	308	
309	3-0 X 7-0	B	24X12	SC	P	P-17		HM	P	P-16	7/T07	8/T07	—	25/T07	—	30	309	
310	3-0 X 7-0	B	24X12	SC	P	P-17		HM	P	P-16	7/T07	8/T07	—	25/T07	—	30	310	
311	3-0 X 7-0	B	—	SC	P	P-18		HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	311	INTERIOR OF DOOR TO BE PAINTED #2
312	3-0 X 7-0	B	—	SC	P	P-18		HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	312	
313	3-0 X 7-0	B	—	SC	P	P-18		HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	313	
314	3-0 X 7-0	B	—	SC	P	P-18		HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	314	
315	3-0 X 7-0	B	—	SC	P	P-18		HM	P	P-16	7/T07	8/T07	—	25/T07	—	24	315	
316	3-0 X 7-0	B	—	SC	P	P-18		HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	316	
317	3-0 X 7-0	B	—	SC	P	P-18		HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	317	
318	3-0 X 7-0	B	—	SC	P	P-18		HM	P	P-16	7/T07	8/T07	—	25/T07	—	12	318	INTERIOR OF DOOR TO BE PAINTED #P-2
319	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	—	—	—	31	319	
320	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	—	—	—	31	320	
321	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	—	—	—	31	321	
322	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	—	—	—	31	322	
323	3-0 X 7-0	B	—	SC	WV	WV-1		HM	P	P-2	2/T07	2/T07	—	—	—	31	323	

OFFICE OF THE STATE ARCHITECT
49275
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Drawn By
Checked By
Date MARCH 1988
Commission No. 1.30.05

Revisions
BID JANUARY 1991

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West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Door Schedule

INCREMENT 2

Sheet Number
TD-1
7E01 Sheets

115346

DOOR SCHEDULE CONTINUED

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
KITCHEN / ASB / FACULTY LOUNGE - BUILDING NO. 4																		
401	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	401	INTERIOR SIDE OF DOOR TO BE PAINTED #P-2
402	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	12	402	
403	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	403	
404	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	12	404	INTERIOR SIDE OF DOOR TO BE PAINTED #P-2
405	3-8 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	405	
406	3-0 X 7-0	B	24X12	SC	P	P-17	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	30	406	
407	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	12	407	INTERIOR SIDE OF DOOR TO BE PAINTED #P-2
408	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	12	408	
409	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	12	409	
410	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	12	410	INTERIOR SIDE OF DOOR TO BE PAINTED #P-2
411	3-0 X 7-0	B	24X24	SC	P	P-17	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	25	411	
412	3-0 X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	45 MIN	7	412	
413	3-0 X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	--	7	413	
414	3-0 X 7-0	B	24X12	SC	P	P-2	—	HM	P	P-2	3/T07	3/T07	--	--	--	26	414	UNISEX HANDICAPPED SYMBOL PER DETAIL 7/TD-14
415	2-8 X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	45 MIN	7	415	
416	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	34	416	24" X 36" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
417	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	10	417	24" X 36" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
418	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	10	418	24" X 36" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
419	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	45 MIN	7	419	
420	3-0 X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	45 MIN	7	420	
421	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	20 MIN	7	421	
422	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	3/T07	3/T07	--	--	20 MIN	29	422	MALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
423	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	3/T07	3/T07	--	--	20 MIN	29	423	FEMALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
424	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	31	424	
425	3-0 X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	--	6	425	6" X 24" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
426	8-0 X 4-0	M	--	SS	P	P-2	—	SS	P	P-2	15/T07	21/T07	--	2-/T07	--	20	426	AS PER MANUFACTURER
427	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	20 MIN	21	427	6" X 24" X 1/4" THICK WIRE GLASS VIEW WINDOW
WOODSHOP / CUSTODIAL - BUILDING NO. 5																		N.I.C.
501	[illegible]	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	6	501	
502	[illegible]	[illegible]	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	502	
503	NUMBER NOT USED	[illegible]	[illegible]	--	--	--	--	--	--	--	--	--	--	--	--	--	503	
504	PR 3-0 X 7-0	B	[illegible]	[illegible]				HM	P		7/T07	2/T06	8/T07	25/T07	--	66	504	
505	NUMBER NOT USED	--	--	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--	--	--	505	
506	PR 3-0 X 7-0	B	(2)24X12	SC			[illegible]	[illegible]	P		7/T07	2/T06	8/T07	25/T07	--	66	506	
507	NUMBER NOT USED	--	--	--	--	--	--	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	[illegible]	
508	PR 3-10 X 7-0	B	--	SC				HM	P		[illegible]	2/T06	8/T07	25/T07	--	[illegible]	[illegible]	
509	3-0 X 7-0	B	24X24	SC				HM	P		[illegible]	[illegible]	--	25/T07	[illegible]	[illegible]	509	
510	10-0 X 10-0	F	--	MTL				MTL			24/T07	[illegible]	[illegible]	[illegible]	[illegible]	12	510	AS PER MANUFACTURER
511	3-0 X 7-0	B	--	SC				HM	P		7/T07	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	511	
512	10-0 X 10-0	F	--	MTL				MTL			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	AS PER MANUFACTURER
513	3-0 X 7-0	B	--	SC				HM	[illegible]		[illegible]	8/T07	--	25/T07	[illegible]	54	[illegible]	
514	3-0 X 7-0	B	--	SC				[illegible]	[illegible]		2/T07	2/T07	--	--	--	37	514	
515	PR 3-0 X 7-0	B	--	SC				[illegible]	P		2/T07	2/T07	--	--	45 MIN	65	515	
516	3-0 X 7-0	B	[illegible]	[illegible]				HM	P		2/T07	2/T07	--	--	--	59	516	
517	PR 3-0 X 7-0	[illegible]	[illegible]	SC				HM	P		2/T07	2/T07	--	--	45 MIN	48	517	
518	[illegible]	[illegible]	[illegible]	SC				HM	P		2/T07	2/T07	--	--	--	64	518	
519	[illegible]	B	--	SC				HM	P		2/T07	2/T07	--	--	--	64	519	
[illegible]	[illegible] X 7-0	B	--	SC				HM	P		3/T07	3/T07	--	--	20 MIN	42	520	UNISEX HANDICAPPED SYMBOL PER DETAIL 7/TD-14 N.I.C.
ARTS AND CRAFTS - BUILDING NO. 6																		
601	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	12	601	INTERIOR OF DOOR TO BE PAINTED #2
602	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	12	602	INTERIOR OF DOOR TO BE PAINTED #2
603	3-0 X 7-0	B	24X12	SC	P	P-17	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	30	603	
604	3-0 X 7-0	B	24X12	SC	P	P-17	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	30	604	
605	3-0 X 7-0	B	(2)24X12	SC	P	P-17	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	30	605	
606	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	12	606	INTERIOR OF DOOR TO BE PAINTED #2
607	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	12	607	
608	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	12	608	
609	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	12	609	
610	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	12	610	
611	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	12	611	INTERIOR OF DOOR TO BE PAINTED #2
612	3-0 X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	--	31	612	
613	3-0 X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	--	10	613	
614	3-0 X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	45 MIN	7	614	
615	3-0 X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	20 MIN	7	615	
616	3-0 X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	45 MIN	7	616	
617	3-0 X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	--	31	617	
618	3-0 X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	45 MIN	7	618	
619	3-0 X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	--	10	619	DARK RM. SIDE OF DOOR TO BE PAINTED #P-15
620	3-0 X 7-0	B	--	SC	P	P-15	—	HM	P	P-15	2/T07	2/T07	--	--	--	32	620	
621	3-0 X 7-0	B	24X12	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	45 MIN	7	621	
622	3-0 X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	--	10	622	
LANGUAGE - BUILDING NO. 7																		
701	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	701	INTERIOR SIDE OF DOOR TO BE PAINTED #P-2
702	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	702	
703	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	703	
704	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	704	
705	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	705	
706	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	706	INTERIOR SIDE OF DOOR TO BE PAINTED #P-2
[redacted]																		
711	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	33	711	
712	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	34	712	
713	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	33	713	
714	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	33	714	
715	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	34	715	
716	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	33	716	
717	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	33	717	
718	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	34	718	
719	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	33	719	
[redacted]																		
HOME ECONOMICS BUILDING NO. 8																		N.I.C.
801	[illegible]	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	6	801	
802	[illegible]	[illegible]	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	6	802	
803	3-0 X 7-0	[illegible]	[illegible]	SC				HM	P		7/T07	8/T07	--	25/T07	--	6	803	
804	3-0 X 7-0	B	[illegible]	[illegible]				HM	P		7/T07	8/T07	--	25/T07	--	73	804	
805	3-8 X 7-0	B	--	[illegible]				HM	P		7/T07	8/T07	--	25/T07	--	6	805	
806	3-0 X 7-0	B	24X12	SC				[illegible]	[illegible]		7/T07	8/T07	--	25/T07	45 MIN	72	806	
807	3-0 X 7-0	B	(2)24X18	SC				[illegible]	[illegible]		7/T07	8/T07	--	25/T07	--	35	807	
808	3-0 X 7-0	B	--	SC				HM	P		[illegible]	8/T07	--	25/T07	--	6	[illegible]	
809	3-0 X 7-0	B	--	SC				HM	P		[illegible]	[illegible]	--	25/T07	--	[illegible]	[illegible]	
810	3-0 X 7-0	B	--	SC				HM	P		2/T07	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	810	
811	3-0 X 7-0	B	--	SC				HM	P		2/T07	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	811	
812	3-0 X 7-0	B	24X12	SC				HM	P		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	UNISEX HANDICAPPED SYMBOL PER DETAIL 7/TD-14
813	3-0 X 7-0	B	--	SC				HM	[illegible]		[illegible]	2/T07	--	--	--	58	[illegible]	
814	3-0 X 7-0	B	--	SC				[illegible]	[illegible]		2/T07	2/T07	--	--	--	57	814	
815	3-0 X 7-0	B	--	SC				[illegible]	[illegible]		2/T07	2/T07	--	--	--	57	815	
816	10-0 X 8-0	I	[illegible]	[illegible]				MTL			14/T07	20/T07	26/T07	--	--	12	816	PROVIDE DOOR TO CLOSE OFF ACC[illegible] COMPARTMENT N.I.C.
817	3-0 X 7-0	[illegible]	[illegible]	[illegible]				HM	P		7/T07	8/T07	--	25/T07	--	87	817	
ENGLISH - BUILDING NO.9																		
901	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	901	INTERIOR SIDE OF DOOR TO BE PAINTED #P-2
902	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	902	
903	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	903	INTERIOR SIDE OF DOOR TO BE PAINTED # P-2
904	3-0 X 7-0	B	24X12	SC	P	P-17	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	30	904	
905	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	905	INTERIOR SIDE OF DOOR TO BE PAINTED # P-2

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
ENGLISH - BUILDING NO.9 CONTINUED																		
906	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	906	INTERIOR SIDE OF DOOR TO BE PAINTED #P-2
907	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	907	
908	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	908	
909	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	909	INTERIOR SIDE OF DOOR TO BE PAINTED #P-2
910	3-0 X 7-0	B	24X12	SC	P	P-17	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	30	910	
911	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	911	INTERIOR SIDE OF DOOR TO BE PAINTED #2
912	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	912	
913	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	913	INTERIOR SIDE OF DOOR TO BE PAINTED #2
914	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	10	914	
915	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	10	915	
916	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	31	916	
917	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	10	917	
918	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	10	918	
919	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	10	919	
920	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	10	920	
921	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	45 MIN	7	921	
922	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	5/T07	5/T07	--	--	--	10	922	
923	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	5/T07	5/T07	--	--	--	10	923	
924	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	5/T07	5/T07	--	--	--	10	924	
925	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	5/T07	5/T07	--	--	--	31	925	
926	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	5/T07	5/T07	--	--	--	10	926	
927	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	5/T07	5/T07	--	--	--	10	927	
[illegible]IBRARY - BUILDING NO. 10																		N.I.C.
1001	[illegible]	D	--	GL/HM	P			HM	P		7/T07	7/T07	13/T07	25/T07	--	78	1001	
1002	[illegible]	D	--	GL/HM	P			HM	P		7/T07	13/T07	--	25/T07	--	79	1002	
1003	3-0 X [illegible]	[illegible]	--	GL/HM	P			HM	P		7/T07	13/T07	--	25/T07	--	79	1003	
1004	3-0 X 7-0	[illegible]	[illegible]	GL/HM	P			HM	P		7/T07	7/T07	13/T07	25/T07	--	79	1004	
1005	3-0 X 7-0	B	[illegible]	[illegible]				HM	P		7/T07	7/T07	8/T07	25/T07	--	6	1005	
1006	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	6	1006	
1007	3-8 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	6	1007	
1008	3-0 X 7-0	B	--	SC				[illegible]	P		7/T07	8/T07	--	25/T07	--	6	1008	
1009	3-0 X 7-0	B	--	SC				[illegible]	[illegible]		2/T07	2/T07	--	--	45 MIN	18	1009	
1010	3-0 X 7-0	B	--	SC				[illegible]	[illegible]		2/T07	2/T07	--	--	20 MIN	17	1010	
1011	3-0 X 7-0	B	--	SC				HM	P		[illegible]	2/T07	--	--	--	20	1011	
1012	3-0 X 7-0	B	--	SC				HM	P		[illegible]	[illegible]	--	--	45 MIN	36	[illegible]	
1013	3-0 X 7-0	B	--	SC				HM	P		3/T07	[illegible]	[illegible]	[illegible]	45 MIN	[illegible]	[illegible]	
1014	3-6 X 7-0	B	--	SC				HM	P		3/T07	3/T07	[illegible]	[illegible]	[illegible]	[illegible]	1014	
1015	3-0 X 7-0	B	--	SC				HM	P		3/T07	3/T07	[illegible]	[illegible]	[illegible]	[illegible]	1015	MALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
1016	3-0 X 7-0	B	--	SC				HM	P		3/T07	3/T07	[illegible]	[illegible]	[illegible]	[illegible]	1016	FEMALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
1017	--	--	--								--	[illegible]	[illegible]	[illegible]	20 MIN	[illegible]	[illegible]	DOOR BY ELEVATOR MANUFACTURER
1018	3-0 X 7-0	D	--	GL/HM	P			HM	P		2/T07	[illegible]	--	--	20 MIN	76	[illegible]	
1019	3-0 X 7-0	D	--	GL/HM	P			HM	P		[illegible]	[illegible]	--	--	20 MIN	43	[illegible]	
1020	3-0 X 7-0	B	--	SC				HM	P		[illegible]	2/T07	--	--	--	75	1020	
1021	3-0 X 7-0	B	--	SC				[illegible]	[illegible]		2/T07	2/T07	--	--	--	22	1021	
1022	3-0 X 7-0	B	--	SC				[illegible]	P		2/T07	2/T07	--	--	--	20	1022	
1023	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	20	1023	
1024	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	--	18	1024	
1025	3-0 X 7-0	B	--	[illegible]				HM	P		2/T07	2/T07	--	--	--	69	1025	N.I.C.
1026	3-0 X 7-0	[illegible]	[illegible]	SC				HM	P		2/T07	2/T07	--	--	--	41	1026	
1027	3-0 X [illegible]	[illegible]	[illegible]	SC				HM	P		2/T07	2/T07	--	--	--	58	1027	
1028	[illegible]	B	[illegible]	SC				HM	P		2/T07	2/T07	--	--	--	58	1028	
1029	[illegible]	B	--	SC				HM	P		2/T07	2/T07	--	--	--	20	1029	
[illegible]	3-0 X 7-0	B	--	SC				HM	P							6	1030	
GUIDANCE CENTER - BUILDING NO. 10																		N.I.C.
[illegible]	[illegible] X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	--	18	1001A	
1002A	[illegible]	[illegible]	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	20 MIN	59	1002A	
1003A	[illegible]	[illegible]	[illegible]	—	—	—	—	—	—	—	--	--	--	--	20 MIN	12	1003A	DOOR BY ELEVATOR MANUFACTURER
1004A	3-0 X 7-0	B	[illegible]	[illegible]	[illegible]	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	20 MIN	87	1004A	
1005A	3-0 X 7-0	B	--	SC	[illegible]	[illegible]	[illegible]	[illegible]	P	P-2	2/T07	2/T07	--	--	--	20	1005A	
1006A	3-0 X 7-0	B	--	SC	WV	WV-2	—	HM	[illegible]	[illegible]	[illegible]	2/T07	--	--	45 MIN	[illegible]	[illegible]	
1007A	3-0 X 7-0	B	--	SC	WV	WV-2	—	HM	P	P-2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1007A	
1008A	3-0 X 7-0	B	--	SC	WV	WV-2	—	HM	P	P-2	2/T07	[illegible]	[illegible]	[illegible]	[illegible]	20	1008A	
1009A	3-0 X 7-0	B	--	SC	WV	WV-2	—	HM	P	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1009A	
1010A	3-0 X 7-0	B	--	SC	WV	WV-2	—	[illegible]	[illegible]	[illegible]	[illegible]	2/T07	--	--	20 MIN	[illegible]	[illegible]	
1011A	3-0 X 7-0	B	--	[illegible]	[illegible]	[illegible]	[illegible]	HM	P	P-2	2/T07	2/T07	--	--	20 MIN	16	1011A	
1012A	3-0 X 7-0	B	[illegible]	[illegible]	[illegible]	WV-2	—	HM	P	P-2	2/T07	2/T07	--	--	20 MIN	16	1012A	
1013A	3-0 X [illegible]	[illegible]	[illegible]	SC	WV	WV-2	—	HM	P	P-2	2/T07	2/T07	--	--	45 MIN	36	1013A	N.I.C.
1014A	[illegible]	[illegible]	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	20 MIN	43	1014A	
[illegible]	[illegible] X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	20 MIN	89	1015A	
SPECIAL EDUCATION - BUILDING NO. 11																		
1101	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	1101	INTERIOR SIDE OF DOOR TO BE PAINTED #P-2
1102	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	1102	INTERIOR SIDE OF DOOR TO BE PAINTED #P-2
1103	3-0 X 7-0	B	24X12	SC	P	P-17	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	25	1103	
1104	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	1104	INTERIOR SIDE OF DOOR TO BE PAINTED #P-2
1105	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/T07	8/T07	--	25/T07	--	24	1105	INTERIOR SIDE OF DOOR TO BE PAINTED #P-2
1106	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	33	1106	
1107	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	33	1107	
1108	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	33	1108	
1109	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	33	1109	
1110	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	33	1110	
1111	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	33	1111	
1112	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	33	1112	
1113	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	2/T07	2/T07	--	--	--	33	1113	
1114	3-0 X 7-0	B	--	SC	P	P-2	—	HM	P	P-2	2/T07	2/T07	--	--	45 MIN	7	1114	
1115	3-6 X 7-0	B	--	HM	P	P-18	—	HM	P	P-16	6/T07	6/T07	--	25/T07	--	29	1115	MALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
1116	3-6 X 7-0	B	--	HM	P	P-18	—	HM	P	P-16	6/T07	6/T07	--	25/T07	--	29	1116	FEMALE HANDICAPPED SYMBOL PER DETAIL 2/TD-12
SCIENCE - BUILDING NO. 12																		N.I.C.
[illegible]	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	1201	
1202	[illegible] X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	1202	
1203	[illegible]	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	1203	
1204	3-0 X [illegible]	[illegible]	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	1204	
1205	3-0 X 7-0	[illegible]	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	1205	
1206	3-0 X 7-0	B	[illegible]	SC				HM	P		7/T07	8/T07	--	25/T07	--	6	1206	
1207	3-0 X 7-0	B	--	[illegible]				HM	P		7/T07	8/T07	--	25/T07	--	6	1207	
1208	3-0 X 7-0	B	--	[illegible]				HM	P		7/T07	8/T07	--	25/T07	--	53	1208	
1209	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	1209	
1210	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	--	25/T07	--	53	1210	
1211	3-0 X 7-0	B	--	SC				[illegible]	P		7/T07	8/T07	--	25/T07	--	53	1211	
1212	3-0 X 7-0	B	--	SC				[illegible]	P		7/T07	8/T07	--	25/T07	--	53	1212	
1213	3-0 X 7-0	B	--	SC				[illegible]	[illegible]		7/T07	8/T07	--	25/T07	--	54	1213	
1214	3-0 X 7-0	B	--	SC				HM	[illegible]		7/T07	8/T07	--	25/T07	--	35	1214	
1215	3-0 X 7-0	B	24X12	SC				HM	P		[illegible]	8/T07	--	25/T07	--	35	1215	
1216	3-0 X 7-0	B	--	SC				HM	P		[illegible]	[illegible]	--	25/T07	--	53	[illegible]	
1217	3-0 X 7-0	B	--	SC				HM	P		7/T07	[illegible]	--	25/T07	--	53	[illegible]	
1218	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T[illegible]	[illegible]	25/T07	--	[illegible]	1218	
1219	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	[illegible]	[illegible]	20[illegible]	[illegible]	1219	
1220	3-0 X 7-0	B	--	SC				HM	P		7/T07	8/T07	[illegible]	[illegible]	[illegible]	53	1220	
1221	3-0 X 7-0	B	--	SC				HM	P		8/T07	8/T07	[illegible]	[illegible]	[illegible]	6	1221	
1222	3-0 X 7-0	B	--	SC				HM	P		8/T07	8/T07	[illegible]	25/T07	[illegible]	[illegible]	1222	
1223	3-0 X 7-0	B	--	SC				HM	P		7/T07	[illegible]	[illegible]	25/T07	[illegible]	[illegible]	[illegible]	
1224	3-0 X 7-0	B	--	SC				HM	P		[illegible]	[illegible]	--	25/T07	--	53	[illegible]	
1225	3-0 X 7-0	B	--	SC				HM	P		[illegible]	8/T07	--	25/T07	--	53	[illegible]	
1226	3-0 X 7-0	B	--	SC				HM	[illegible]		7/T07	8/T07	--	25/T07	--	53	1226	
1227	3-0 X 7-0	B	--	SC				HM	[illegible]		2/T07	2/T07	--	--	1 HR	17	1227	6" X 12" [illegible] THICK WIRE GLASS VIEW WINDOW
1228	3-0 X 7-0	B	--	SC				[illegible]	[illegible]		2/T07	2/T07	--	--	1 HR	17	1228	6" X 12" X 1/[illegible] WIRE GLASS VIEW WINDOW
1229	3-0 X 7-0	B	--	SC				[illegible]	P		2/T07	2/T07	--	--	1 HR	17	1229	6" X 12" X 1/4" [illegible] GLASS VIEW WINDOW
1230	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	1 HR	17	1230	6" X 12" X 1/4" THICK [illegible] VIEW WINDOW
1231	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	45 MIN	16	1231	
1232	3-0 X 7-0	B	--	[illegible]				HM	P		2/T07	2/T07	--	--	45 MIN	16	1232	
1233	3-0 X 7-0	B	[illegible]	[illegible]				HM	P		2/T07	2/T07	--	--	1 HR	17	1233	6" X 12" X 1/4" THICK WIRE GLASS VIEW WI[illegible] N.I.C.
1234	3-0 X 7-0	B	[illegible]	SC				HM	P		2/T07	2/T07	--	--	1 HR	17	1234	6" X 12" X 1/4" THICK WIRE GLASS VIEW WINDOW
1235	3-0 X 7-0	B	[illegible]	SC				HM	P		2/T07	2/T07	--	--	1 HR	17	1235	6" X 12" X 1/4" THICK WIRE GLASS VIEW WINDOW
1236	3-0 X [illegible]	[illegible]	--	SC				HM	P		2/T07	2/T07	--	--	--	41	1236	
1237	[illegible]	B	--	SC				HM	P		2/T07	2/T07	--	--	45 MIN	36	1237	
1238	[illegible] X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	60 MIN	17	1238	6" X 12" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
[illegible]	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	60 MIN	17	1239	6" X 12" X 1/4" THICK CLEAR TEMPERED GLASS VIEW WINDOW
[illegible]	3-0 X 7-0	B	--	SC				HM	P		2/T07	2/T07	--	--	20 MIN	36	1240	

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 22 1988
APPROVED

49275 [illegible] 1988

Drawn By	Revisions		
Checked By			
Date MARCH 1988			
Commission No. 1.30.05	BID JANUARY 1991		

RUHNAU RUHNAU TODD/ASSOCIATES
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ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Door Schedule

Sheet Number
TD-2
79 of Sheets

INCREMENT 2

DOOR SCHEDULE CONTINUED

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
SCIENCE - BUILDING NO. 12 CONTINUED																		
1241	3-0 X 7-0	[illegible]	[illegible]	[illegible]				HM	P		2/TD7	2/TD7	--	--	--	57	1241	
1242	3-0 X 7-0	B	--	[illegible]				HM	P		2/TD7	2/TD7	--	--	--	57	1242	
1243	3-0 X 7-0	B	--	SC				[illegible]	[illegible]		7/TD7	8/TD7	--	25/TD7	--	53	1243	
1244	PR 2-6 X 10-9	L	--	SC	LMB			HM	[illegible]		[illegible]	[illegible]	[illegible]	--	45 MIN	12	[illegible]	[illegible]
1245	3-0 X 7-0	B	--	SC				HM	P		7/TD7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
1246	3-0 X 7-0	B	--	AL	X			AL	X		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	AS PER MANUFACTURER
1247	3-0 X 7-0	B	--	AL	X			[illegible]	[illegible]		--	--	--	--	--	12	1247	[illegible]
1248	3-0 X 7-0	B	[illegible]	[illegible]				HM	P		2/TD7	2/TD7	--	--	20 MIN	41	1248	
1249	3-0 X 7-0	[illegible]	[illegible]	[illegible]	[illegible]			AL	X		--	--	--	--	--	12	1249	AS PER MANUFACTURER
1250	[illegible]	[illegible]	[illegible]	SC				HM	P		7/TD7	8/TD7		25/TD7	--	53	1250	
[illegible]	10-0 X VARIES	E									11/TD7	17/TD7	23/TD7			12	1251	AS PER MANUFACTURER
MATH (RELOCATABLE) - BUILDING NO. 13																		
1301	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/TD7	4/TD7	--	25/TD7	--	24	1301	INTERIOR SIDE OF DOOR TO BE PAINTED #P-2
1302	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/TD7	4/TD7	--	25/TD7	--	24	1302	
1303	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/TD7	4/TD7	--	25/TD7	--	24	1303	
1304	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/TD7	4/TD7	--	25/TD7	--	24	1304	
1305	3-0 X 7-0	B	--	SC	P	P-12	—	HM	P	P-16	7/TD7	4/TD7	--	25/TD7	--	24	1305	
1306	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/TD7	4/TD7	--	25/TD7	--	24	1306	
1307	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/TD7	4/TD7	--	25/TD7	--	24	1307	
1308	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/TD7	4/TD7	--	25/TD7	--	24	1308	
1309	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/TD7	4/TD7	--	25/TD7	--	24	1309	
1310	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/TD7	4/TD7	--	25/TD7	--	24	1310	
1311	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/TD7	4/TD7	--	25/TD7	--	24	1311	INTERIOR SIDE OF DOOR TO BE PAINTED # P-2
1312	3-0 X 7-0	B	24X12	SC	P	P-17	—	HM	P	P-16	7/TD7	4/TD7	--	25/TD7	--	30	1312	
1313	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/TD7	4/TD7	--	25/TD7	--	24	1313	INTERIOR SIDE OF DOOR TO BE PAINTED # P-2
1314	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/TD7	4/TD7	--	25/TD7	--	24	1314	
1315	3-0 X 7-0	B	--	SC	P	P-18	—	HM	P	P-16	7/TD7	4/TD7	--	25/TD7	--	24	1315	INTERIOR SIDE OF DOOR TO BE PAINTED #P-2
1316	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	5/TD7	5/TD7	--	--	--	31	1316	
1317	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	5/TD7	5/TD7	--	--	--	31	1317	
1318	3-0 X 7-0	B	24X12	SC	P	P-2	—	HM	P	P-2	5/TD7	5/TD7	--	--	45 MIN	7	1318	
1319	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	5/TD7	5/TD7	--	--	--	31	1319	
1320	3-0 X 7-0	B	--	SC	WV	WV-1	—	HM	P	P-2	5/TD7	5/TD7	--	--	--	31	1320	

N.I.C.

N.I.C.

DOOR							FRAME				DETAILS				LABEL	HDWR	DOOR	REMARKS
NUMBER	SIZE	TYPE	LOUVER	MATL	FIN	COL	TYPE	MATL	FIN	COL	HEAD	JAMB	JAMB	THRESH			NUMBER	
SOCIAL STUDIES (RELOCATABLE) - BUILDING NO. 14																		
1401	[illegible]-0 X 7-0	B	--	SC				HM	P		7/TD7	4/TD7	--	25/TD7	--	53	1401	
1402	[illegible]	B	--	SC				HM	P		7/TD7	4/TD7	--	25/TD7	--	53	1402	
1403	3-0 [illegible]	B	--	SC				HM	P		7/TD7	4/TD7	--	25/TD7	--	53	1403	
1404	3-0 X 7-[illegible]	[illegible]	24X12	SC				HM	P		7/TD7	4/TD7	--	25/TD7	--	73	1404	
1405	3-0 X 7-0	[illegible]	[illegible]	SC				HM	P		7/TD7	4/TD7	--	25/TD7	--	53	1405	
1406	3-0 X 7-0	B	[illegible]	[illegible]				HM	P		7/TD7	4/TD7	--	25/TD7	--	53	1406	
1407	3-0 X 7-0	B	--	[illegible]				HM	P		7/TD7	4/TD7	--	25/TD7	--	53	1407	
1408	3-0 X 7-0	B	--	SC				HM	P		7/TD7	4/TD7	--	25/TD7	--	53	1408	
1409	3-0 X 7-0	B	--	SC				HM	P		7/TD7	4/TD7	--	25/TD7	--	53	1409	
1410	3-0 X 7-0	B	--	SC				HM	P		7/TD7	4/TD7	--	25/TD7	--	53	1410	
1411	3-0 X 7-0	B	--	SC				[illegible]	[illegible]		7/TD7	4/TD7	--	25/TD7	--	53	1411	
1412	3-0 X 7-0	B	--	SC				HM	[illegible]		7/TD7	4/TD7	--	25/TD7	--	53	1412	
1413	3-0 X 7-0	B	24X12	SC				HM	P		[illegible]	4/TD7	--	25/TD7	--	74	1413	
1414	3-0 X 7-0	B	--	SC				HM	P		[illegible]	4/TD7	--	25/TD7	--	53	1414	
1415	3-0 X 7-0	B	--	SC				HM	P		[illegible]	[illegible]	--	25/TD7	--	53	[illegible]	
1416	3-0 X 7-0	B	--	SC				HM	P		7/TD7	4/TD7	[illegible]	25/TD7	[illegible]	[illegible]	1416	
1417	3-0 X 7-0	B	--	SC				HM	P		5/TD7	5/TD7	[illegible]	[illegible]	[illegible]	20	1417	
1418	3-0 X 7-0	B	--	SC				HM	P		5/TD7	5/TD7	--	[illegible]	[illegible]	20	1418	
1419	3-0 X 7-0	B	--	SC				HM	P		5/TD7	5/TD7	[illegible]	[illegible]	[illegible]	62	1419	
1420	3-0 X 7-0	B	--	SC				HM	P		5/TD7	[illegible]	[illegible]	--	[illegible]	[illegible]	1420	
1421	3-0 X 7-0	B	--	SC				HM	P		[illegible]	[illegible]	--	--	--	20	[illegible]	
1422	3-0 X 7-0	B	--	SC				HM	P		[illegible]	5/TD7	--	--	--	20	[illegible]	
1423	3-0 X 7-0	B	--	SC				HM	[illegible]		[illegible]	5/TD7	--	--	--	20	1423	
1424	3-0 X 7-0	B	--	SC				HM	[illegible]		5/TD7	5/TD7	--	--	45 MIN	80	1424	
1425	3-0 X 7-0	B	--	SC				[illegible]	[illegible]		5/TD7	5/TD7	--	--	--	20	1425	
1426	3-0 X 7-0	B	--	SC				HM	P		5/TD7	5/TD7	--	--	--	62	1426	
1427	3-0 X 7-0	B	--	SC				HM	P		5/TD7	5/TD7	--	--	--	20	1427	
1428	3-0 X 7-0	B	--	[illegible]				HM	P		5/TD7	5/TD7	--	--	--	20	1428	
1429	3-0 X 7-0	B	[illegible]	[illegible]				HM	P		5/TD7	5/TD7	--	--	--	62	1429	
1430	3-0 X 7-0	B	[illegible]	SC				HM	P		5/TD7	5/TD7	--	--	--	20	1430	
1431	3-0 X [illegible]	[illegible]	--	SC				HM	P		5/TD7	5/TD7	--	--	--	20	1431	
1432	[illegible]	B	--	SC				HM	P		5/TD7	5/TD7	--	--	--	20	1432	
1433	[illegible]-0	B	--	SC				HM	P		5/TD7	5/TD7	--	--	--	20	1433	
[illegible]	[illegible]-0 X 7-0	B	--	SC				HM	P		5/TD7	5/TD7	--	--	--	20	1434	

N.I.C.

N.I.C.

DOOR COLOR LEGEND:
P-1 FRAZEE #5420H "POLAR BEAR"
P-2 FRAZEE #5422M "ANTIQUARIAN GRAY"
P-6 FRAZEE #5535A "ARABIAN NIGHTS"
P-7 FRAZEE #5304 D "PLAZA"
P-8 FRAZEE CUSTOM COLOR #CZ12-598
P-9 FRAZEE #5313M "HERRINGBONE"
P-11 FRAZEE #5302M "MANHATTAN"
P-12 FRAZEE-#5305A "MYTH"
P-16 FRAZEE #5394D "SAGEBRUSH"
P-17 FRAZEE #5372M "PATE"
P-18 FRAZEE #5233M "RAMONA"
VWC-7 WOLF GORDON MULTI-TONE #MTL3-300M "EMBERGLOW"
WV-1 WHITE OAK VENEER WITH CLEAR MATTE POLYURETHANE FINISH
WV-2 WALNUT VENEER STAINED TO MATCH SAMPLE SUBMITTED BY ARCHITECT AND FINISHED WITH CLEAR MATTE POLYURETHANE
P-15- FRAZEE (FLATBLACK)

1. MAXIMUM DOOR PRESSURE: 8.5 LBS PRESSURE FOR EXTERIOR DOORS
5 LBS PRESSURE FOR INTERIOR DOORS

2. ALL HARDWARE FOR FIRE RESISTIVE LOCATIONS SHALL BE FIRE RATED BY AN APPROVED TESTING LABORATORY.

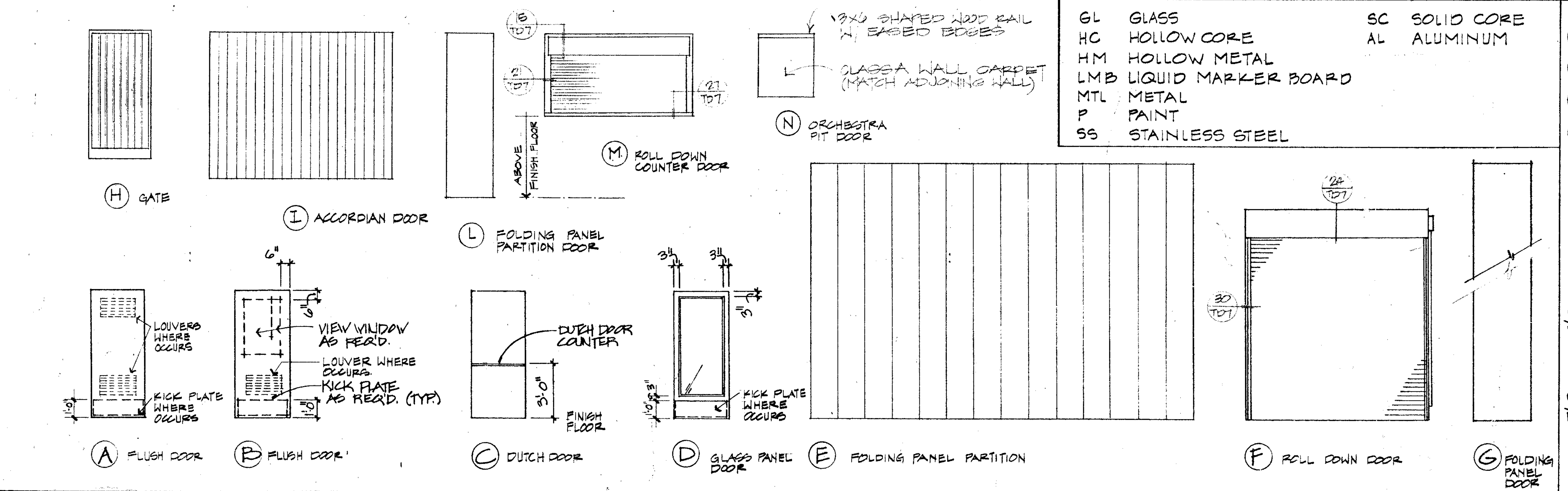
3. INTERIOR AND EXTERIOR DOOR SIGNAGE: ALLOT 20 VINYL LETTERS AND 4 VINYL NUMBERS FOR EACH DOOR. EXACT DOOR NAME AND NUMBERS SHALL BE DETERMINED BY THE ARCHITECT.

4. ALL FIRE RATED DOORS IN EXIT CORRIDORS AND LOBBIES SHALL BE PROVIDED WITH APPROVED SMOKE GASKETS AT TOP AND SIDES.

5. ALL EXIT DOORS IN SCHOOL BUILDINGS, INCLUDING BUT NOT LIMITED TO, DOORS IN TOILET ROOMS AND STORAGE ROOMS SHALL CONFORM WITH THE REQUIREMENTS OF SECTION 2-3304 TITLE 24 CAC. THE FOLLOWING ARE SOME REQUIREMENTS:

A. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
B. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30 INCHES AND 44 INCHES ABOVE THE FLOOR.
C. DEAD BOLTS MAYBE USED IF THE OCCUPANCY IS LESS THAN 10 PERSONS. DEAD BOLTS MUST BE MOUNTED BETWEEN 30 INCHES AND 44 INCHES ABOVE THE FLOOR AND MUST BE OPERABLE FROM THE INSIDE WITHOUT SPECIAL KNOWLEDGE OR EFFORT. DEAD BOLTS MUST BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE. LEVER SHALL RETRACT THE BOLT BUT WILL NOT RESET OR LOCK. THE BOLT MAY BE KEY OPERABLE FROM THE EXTERIOR SIDE.

Door Types

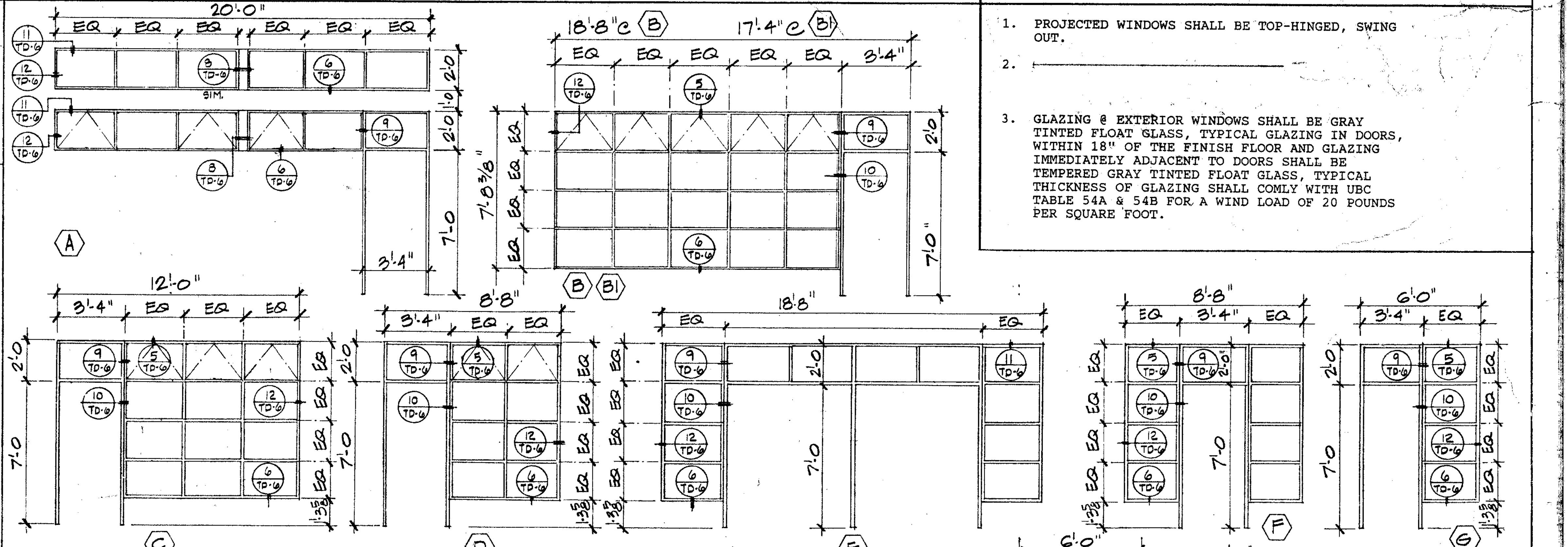


15 TD7
21 TD7
27 TD7
3X6 SHAPED WOOD RAIL W/ EASED EDGES
GLASSA WALL CARPET (MATCH ADJOINING WALL)
N ORCHESTRA PIT DOOR
M ROLL DOWN COUNTER DOOR
ABOVE FINISH FLOOR
H GATE
I ACCORDIAN DOOR
L FOLDING PANEL PARTITION DOOR
6"
LOUVERS WHERE OCCURS
KICK PLATE WHERE OCCURS
1'-0"
VIEW WINDOW AS REQ'D.
LOUVER WHERE OCCURS.
KICK PLATE AS REQ'D. (TYP.)
DUTCH DOOR COUNTER
3'-0"
FINISH FLOOR
3"
KICK PLATE WHERE OCCURS
24 TD7
30 TD7
A FLUSH DOOR
B FLUSH DOOR'
C DUTCH DOOR
D GLASS PANEL DOOR
E FOLDING PANEL PARTITION
F ROLL DOWN DOOR
G FOLDING PANEL DOOR

Door Materials/Finishes

GL	GLASS	SC	SOLID CORE
HC	HOLLOW CORE	AL	ALUMINUM
HM	HOLLOW METAL		
LMB	LIQUID MARKER BOARD		
MTL	METAL		
P	PAINT		
SS	STAINLESS STEEL		

Exterior Window Types



20'-0"
EQ
SIM.
A
18'-8" @ B
17'-4" @ B1
3'-4"
7'-0"
7'-8 3/8"
B B1
12'-0"
C
8'-8"
D
18'-8"
E
F
6'-0"
G
TD-6

Window Notes

1. PROJECTED WINDOWS SHALL BE TOP-HINGED, SWING OUT.
2.
3. GLAZING @ EXTERIOR WINDOWS SHALL BE GRAY TINTED FLOAT GLASS, TYPICAL GLAZING IN DOORS, WITHIN 18" OF THE FINISH FLOOR AND GLAZING IMMEDIATELY ADJACENT TO DOORS SHALL BE TEMPERED GRAY TINTED FLOAT GLASS, TYPICAL THICKNESS OF GLAZING SHALL COMLY WITH UBC TABLE 54A & 54B FOR A WIND LOAD OF 20 POUNDS PER SQUARE FOOT.

8'-8"
@ OVER HANG
H H1 PROJECTED ONLY TOP ROW OPERABLE @ H-1
12'-0"
I PROJECTED
15'-4 @ J
14'-8 @ J1
J J1 PROJECTED
6'-0
ONLY TOP ROW OPERABLE @ K-2
3'-4"
K2 K K1 PROJECTED
21'-4"
L PROJECTED
M PROJECTED
N PROJECTED
13'-4
O
P
MM
Q PROJECTED
R FIXED
18'-8 @ S
17'-4 @ S1
S S1 FIXED
T PROJECTED
2'-0
U PASS-THRU
10'-8
V PASS-THRU
14'-8
W PASS-THRU
18'-0
X PASS-THRU
34'-4"
Y PASS-THRU
Z PROJECTED
AA PROJECTED
15'-4"
BB PROJECTED
CC PROJECTED
17'-4
DD PROJECTED
EE PROJECTED
FF FIXED
20'-0
GG
HH
19'-2"
II
6'-4"
5'-4"
JJ FIXED
KK PROJECTED
8'-0"
1/4" THICK CLEAR GLASS
5'-0" TO FINISH FLR
LOUVERED SPEAKER
HOLE - 4" OUTSIDE DIA.
12" X 6" PASS-THRU SLOT W/ SWING AWAY DOOR
LL TICKET WINDOW
SIM.
TD-6

Drawn By	Revisions	RUHNAU RUHNAU TODD/ASSOCIATES Architects Planners 3775 Tenth Street Riverside, CA 92501-3669 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-1895 619/438-5899	ARCHITECT C20662	West Hills High School Grossmont Union High School District San Diego, Ca San Diego County	Door Schedule Door and Window Types	Sheet Number TD-3
Checked By						8001 Sheets
Date MARCH 1988						
Commission No. 1.30.05	BID JANUARY 1991					

INCREMENT 2

115346

ROOM FINISH SCHEDULE

PHYSICAL EDUCATION - BUILDING NO. 1

N.I.C.

ROOM NO	ROOM NAME	FLOOR MATL	FLOOR COL	BASE MATL	BASE COL	WAINSCOT MATL	WAINSCOT COL	WAINSCOT HT	NORTH WALL MATL	NORTH WALL FIN	NORTH WALL COL	EAST WALL MATL	EAST WALL FIN	EAST WALL COL	SOUTH WALL MATL	SOUTH WALL FIN	SOUTH WALL COL	WEST WALL MATL	WEST WALL FIN	WEST WALL COL	CEILING MATL	CEILING FIN	CEILING COL	CEILING HT	RM FIN NOTES
101	[illegible]	C	C-7	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP		VARIES	
102	PASS[illegible]	C	C-7	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		GWB	FP		[illegible]	
103	GYMNASI[illegible]	WD	WD-1	RB	RB-1	--	--	--	GWB	FP		MB	X	--	GWB	FP		MB/GWB	X/FP	--/	ES	X		[illegible]	
104	GIRLS	MT	MT-1	CT	CT-1	--	--	--	GWB	CT		GWB	CT		GWB	CT		GWB	CT		GWB	SP	[illegible]	[illegible]-0"	
105	WEIGHT ROOM	CONC/WD	--/WD-1	RB	RB-1	--	--	--	MB	FP		GWB	FP		GWB	FP		GWP	FP		ES	X		ES	
106	DANCE / WRESTLING	CONC/WD	--/WD-1	RB	RB-1	--	--	--	MB	FP		GWB	FP		GWB	FP		GWP	FP		ES	[illegible]		ES	
107	WRESTLING MATS	[illegible]	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	[illegible]	FP	P-1	9'-0"	
108	STORAGE	[illegible]	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	[illegible]	FP	P-1	9'-0"	
109	ATHLETIC EQUIPMENT	VCT	[illegible]	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	[illegible]	GWB	FP	P-1	9'-0"	
110	CUSTODIAN	SV	[illegible]	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	[illegible]	GWB	SP	P-1	9'-0"	3,29
111	BOYS	MT	MT-1	[illegible]	[illegible]	--	--	--	GWB	CT		GWB	CT		GWB	CT		GWB	[illegible]	[illegible]	GWB	SP	P-1	9'-0"	12
112	CHAIR STORAGE	VCT	VCT-2	RB	[illegible]	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	[illegible]	FP	P-2	GWB	FP	P-1	9'-0"	
113	GYMNASTICS EQUIPMENT	VCT	VCT-2	RB	[illegible]	[illegible]	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	[illegible]	FP	P-2	GWB	FP	P-1	ES	
114	GYMNASTICS	CONC/WD	--/WD-1	RB	RB-1	[illegible]	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		ES	X		ES	
115	TRAINING	VCT	VCT-2	RB	RB-1	[illegible]	[illegible]	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	[illegible]	GWB	FP	P-1	GWB	FP		9'-0"	
116	ELECTRICAL	CONC	--	RB	RB-1	--	--	[illegible]	GWB	FP	P-2	GWB	FP	P-2	[illegible]	[illegible]	P-2	GWB	FP	P-2	GWB	FP	P-1	10'-0"	
117	PASSAGE	VCT	VCT-1	RB	RB-1	--	--	[illegible]	GWB	FP		GWB	FP		[illegible]	FP		GWB	FP		ACP	X		12'-0"	
118	STORAGE	VCT	VCT-1	RB	RB-1	--	--	[illegible]	[illegible]	FP	P-2	GWB	FP	[illegible]	[illegible]	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
119	GIRLS	MT	MT-1	--	--	--	--	--	[illegible]	CT		GWB	CT		GWB	CT		GWB	CT		CPL	SP	P-1	9'-0"	12
120	MECHANICAL	CONC	--	RB	RB-1	--	--	--	GWB	[illegible]	P-2	GWB	[illegible]	[illegible]	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	10'-0"	
121	TEAM ROOM	VCT	VCT-1	RB	RB-1	--	--	--	GWB	FP	[illegible]	[illegible]	[illegible]		GWB	FP		GWB	FP		ACP	X		12'-0"	
122	SHOWERS	MT	MT-1	CT	CT-1	--	--	--	GWB	CT	[illegible]	[illegible]	CT	CT-3	GWB	CT	CT-1	--	--	--	CPL	SP		9'-0"	
123	LOCKERS	VCT	VCT-1	RB	RB-1	--	--	--	GWB	SP		[illegible]	SP		GWB	SP		GWB	SP		ACP	X		12'-0"	
124	COACHES OFFICE	C	C-7	RB	RB-1	--	--	--	GWB	FP	[illegible]	[illegible]	[illegible]		GWB	FP		GWB	FP		ACP	X		10'-0"	
125	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	[illegible]	P-2	GWB	[illegible]	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
126	WOMEN	MT	MT-1	--	--	--	--	--	[illegible]	CT		GWB	CT		GWB	CT		GWB	CT		CPL	SP	P-1	9'-0"	11
127	ATHLETIC EQUIPMENT	VCT	VCT-1	RB	RB-1	--	--	[illegible]	[illegible]	FP		GWB	FP		[illegible]	FP		GWB	FP		GWB	FP	P-1	12'-0"	10
128	MEN	MT	MT-1	--	--	--	--	[illegible]	GWB	CT		GWB	CT		[illegible]	CT		GWB	CT		CPL	SP	P-1	9'-0"	
129	CONFERENCE	C	C-7	RB	RB-1	--	[illegible]	[illegible]	GWB	FP		GWB	FP		[illegible]	[illegible]		GWB	FP		ACP	X		9'-0"	
130	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	[illegible]	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	[illegible]	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	21
131	COACHES OFFICE	C	C-7	RB	RB-1	[illegible]	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		ACP	X		10'-0"	
132	LOCKERS	VCT	VCT-1	RB	[illegible]	[illegible]	--	--	GWB	SP		GWB	SP		GWB	SP		[illegible]	SP		ACP	X		12'-0"	
133	SHOWERS	MT	MT-1	CT	[illegible]	--	--	--	GWB	CT	CT-1	GWB	CT	CT-4	GWB	CT	CT-1	--	--	--	CPL	SP	P-1	9'-0"	
134	PASSAGE	VCT	VCT-2	[illegible]	[illegible]	--	--	--	GWB	FP		GWB	FP		GWB	FP		[illegible]	[illegible]		ACP	X		10'-0"	
135	STORAGE	VCT	[illegible]	[illegible]	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	[illegible]	P-2	GWB	FP	P-1	9'-0"	
136	BOYS	MT	[illegible]	--	--	--	--	--	GWB	CT		GWB	CT		GWB	CT		GWB	CT		CPL	SP	P-1	9'-0"	
137	MECHANICAL	[illegible]	--	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	[illegible]	[illegible]	FP	P-1	10'-0"	
138	PASSAGE	[illegible]	VCT-2	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		[illegible]	X		10'-0"	
139	TEAM ROOM	VCT	VCT-1	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		[illegible]	X		12'-0"	
140	PASSAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		ACP	[illegible]		10'-0"	
141	PASSAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		ACP	X		10'-0"	

PREFORMING ARTS - BUILDING NO. 1

ROOM NO	ROOM NAME	FLOOR MATL	FLOOR COL	BASE MATL	BASE COL	WAINSCOT MATL	WAINSCOT COL	WAINSCOT HT	NORTH WALL MATL	NORTH WALL FIN	NORTH WALL COL	EAST WALL MATL	EAST WALL FIN	EAST WALL COL	SOUTH WALL MATL	SOUTH WALL FIN	SOUTH WALL COL	WEST WALL MATL	WEST WALL FIN	WEST WALL COL	CEILING MATL	CEILING FIN	CEILING COL	CEILING HT	RM FIN NOTES
101A	LOBBY	C	C-7	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	VTS	X	VWC-3	GWB/ACP	FP/X	P-1/X	VARIES 16'-0"	31
102A	CONCESSION BOOTH	VCT	VCT-3	RB	RB-1	--	--	--	GWB	SP	P-1	GWB	SP	P-1	--	--	P-1	GWB	SP	P-1	GWB	SP	P-1	9'-0"	
103A	TICKET BOOTH	VCT	VCT-3	RB	RB-1	--	--	--	--	--		GWB	FP	P-1	GWB	FP		GWB	FP	P-1	GWB	FP	P-1	9'-0"	
104A	LIGHT CONTROL	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-15	GWB	FP	P-15	GWB	FP	P-15	GWB	FP	P-15	GWB	FP	P-15	9'-0"	
105A	SOUND CONTROL	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-15	GWB	FP	P-15	GWB	FP	P-15	GWB	FP	P-15	GWB	FP	P-15	9'-0"	
106A	STORAGE	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	16'-6"	
107A	LANDING	C	C-7	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	9'-0"	32
108A	LANDING	C	C-7	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	9'-0"	32
109A	VESTIBULE	C	C-7	RB	RB-1	--	--	--	GWB	FP	P-7	GWB	FP	P-7	GWB	FP	P-7	--	--	--	GWB	FP	P-11	9'-0"	
110A	VESTIBULE	C	C-7	RB	RB-1	--	--	--	GWB	FP	P-7	GWB	FP	P-7	GWB	FP	P-7	--	--	--	GWB	FP	P-11	9'-0"	
111A	STORAGE	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
112A	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	15'-0"	
113A	VESTIBULE	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-10	VARIES	19
114A	VESTIBULE	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-10	VARIES	19,32
115A	VESTIBULE	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-10	VARIES	19,32
116A	VESTIBULE	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-10	VARIES	19,32
117A	VESTIBULE	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-10	VARIES	19,32
118A	VESTIBULE	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-9	GWB	FP	P-10	VARIES	19
119A	STORAGE	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-7	GWB	FP	P-7	GWB	FP	P-7	GWB	FP	P-7	GWB	FP	P-11	9'-0"	
120A	STORAGE	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-7	GWB	FP	P-7	GWB	FP	P-7	GWB	FP	P-7	GWB	FP	P-11	9'-0"	
121A	CLASSROOM / THEATER SEATING	C/VCT	C-7/VCT-3	RB	RB-1	--	--	--	GWB/AWC	FP/X	P-7,12,13/AWC-1	--	--	--	GWB/AWC	FP/X	P-7,12,13/AWC-1	GWB	FP	P-13	GWB	FP	P-13,P-11	VARIES	31,1,32
122A	CLASSROOM / THEATER SEATING	C/VCT	C-7/VCT-3	RB	RB-1	--	--	--	GWB/AWC	FP/X	P-11/AWC-1	GWB/AWC	FP/X	P-11/AWC-1	--	--	--	--	--	--	GWB	FP	P-11	VARIES	31,32
123A	CLASSROOM / THEATER SEATING	C/VCT	C-7/VCT-3	RB	RB-1	--	--	--	--	--	--	GWB/AWC	FP/X	P-11/AWC-1	GWB/AWC	FP/X	P-11/AWC-1	--	--	--	GWB	FP	P-11	VARIES	31,32
124A	ORCHESTRA PIT	C	C-7	RB	RB-1	--	--	--	CONC	FP	P-15	CONC	FP	P-15	CONC	FP	P-15	CONC	FP	P-15	--	--	--	--	
125A	STAGE	WD	P-15	RB	RB-1	--	--	--	GWB	FP	P-15	GWB	FP	P-15	GWB	FP	P-15	GWB	FP	P-15	ES	FP	P-15	50'-0"	
126A	TELECOMMUNICATIONS STORAGE	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-9	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
127A	STAIR	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-9	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	ES/GWB	--/FP	P-1	VARIES	
128A	PASSAGE	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	14'-0"	
129A	PASSAGE	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	14'-0"	
130A	FACULTY OFFICE	C	C-5	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
131A	CONTROL ROOM	C	C-6	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
132A	TELECOMMUNICATIONS	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	ACP	X	ACP-1	16'-6"	
133A	CHORUS	C	C-6	RB	RB-2	--	--	--	GWB/AWP	FP/X	P-1/VWC-9	GWB/AWP	FP/X	P-1/VWC-9	GWB/AWP	FP/X	P-1/VWC-9	GWB/AWP	FP/X	P-1/VWC-9	ACP	X	ACP-1	16'-6"	7,34
134A	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
135A	MUSIC LIBRARY	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
136A	INSTRUMENT STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	12'-0"	
137A	DIMMER RACK ROOM	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	12'-0"	
138A	INSTRUMENTAL MUSIC	C	C-6	RB	RB-2	--	--	--	GWB/AWP	FP/X	P-1/VWC-9	GWB/AWP	FP/X	P-1/VWC-9	GWB/AWP	FP/X	P-1/VWC-9	GWB/AWP	FP/X	P-1/VWC-9	ACP	X	ACP-1	16'-6"	7,34
139A	INSTRUMENT STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	12'-0"	
140A	PRACTICE ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	12'-0"	
141A	PRACTICE ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	12'-0"	
142A	PRACTICE ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	12'-0"	
143A	PRACTICE ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	12'-0"	
144A	COSTUME STORAGE	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
145A	MUSIC LIBRARY	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
146A	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
147A	BOYS	MT	MT-1	MT	MT-1	CT	CT-4	48"	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	9'-0"	2
148A	GIRLS	MT	MT-1	MT	MT-1	CT	CT-4	48"	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	9'-0"	3
149A	DRESSING ROOM	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
150A	FACULTY OFFICE	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
151A	DRESSING ROOM	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
152A	WHEEL CHAIR LIFT	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	16'-6"	
153A	ORCHESTRA PIT STORAGE	VCT	VCT-3	RB	RB-1	--	--	--	CONC	FP	P-15	CONC	FP	P-15	CONC	FP	P-15	CONC	FP	P-15	CONC	FP	P-15	6'-3"	
154A	CUSTODIAN	VCT	VCT-3	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	4
155A	BOILER ROOM	CONC	--	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	16'-6"	
156A	LADDER LANDING	ES	X			--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	--	20
157A	MECHANICAL LANDING	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	13'-0"	
158A	MECHANICAL PLATFORM	CONC	—	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	--	20
159A	CATWALK LANDING	ES	X			--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	--	20
160A	FIRE RISER ROOM	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	--	20
161A	ELECTRICAL	VCT	VCT-3	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	15'-0"	

ADMINISTRATION - BUILDING NO. 2

ROOM NO	ROOM NAME	FLOOR MATL	FLOOR COL	BASE MATL	BASE COL	WAINSCOT MATL	WAINSCOT COL	WAINSCOT HT	NORTH WALL MATL	NORTH WALL FIN	NORTH WALL COL	EAST WALL MATL	EAST WALL FIN	EAST WALL COL	SOUTH WALL MATL	SOUTH WALL FIN	SOUTH WALL COL	WEST WALL MATL	WEST WALL FIN	WEST WALL COL	CEILING MATL	CEILING FIN	CEILING COL	CEILING HT	RM FIN NOTES
201	RECEPTION	C	C-2	RB	RB-2	--	--	--	GWB		P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	VARIES	
202	TREATMENT ROOM	VCT	VCT-3	RB	RB-1	--	--	--	GWB		P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	ACP	X	ACP-1	9'-0"	
203	TREATMENT ROOM	VCT	VCT-3	RB	RB-1	--	--	--	GWB		P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	ACP	X	ACP-1	9'-0"	
204	HEALTH CLERK	VCT	VCT-3	RB	RB-1	--	--	--	GWB		P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	ACP	X	ACP-1	9'-0"	
205	WAITING	VCT	VCT-3	RB	RB-1	--	--	--	GWB	VWC	VWC-2	GWB	VWC	VWC-2	GWB	SP	P-1	GWB	SP	P-1	ACP	X	ACP-1	9'-0"	
206	HANDICAP TOILET	MT	MT-1	CT	CT-1	CT	CT-1	48"	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	8'-0"	
207	PASSAGE	C	C-2	RB	RB-2	GWB/VWC	VWC-4	42"	GWB	VWC	VWC-3	GWB	VWC	VWC-3	--	--	--	GWB	VWC	VWC-3	GWB	FP	P-2	12'-0"	5,9
208	PASSAGE	C	C-2	RB	RB-2	GWB/VWC	VWC-4	42"	GWB	VWC	VWC-3	GWB	VWC	VWC-3	GWB	VWC	VWC-3	GWB	VWC	VWC-3	ACP	X	ACP-2	9'-0"	6,9
209	DUPLICATING	C	C-5	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
210	STORAGE	C	C-5	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	9'-0"	
211	PROGRAM	C	C-5	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-9	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
212	RECORDS	C	C-5	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-3	ACP	X	ACP-1	9'-0"	
213	CUSTODIAN	VCT	VCT-2	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	4
214	S.P.O.	C	C-5	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-3	ACP	X	ACP-1	9'-0"	
215	WAITING	C	C-2	RB	RB-2	--	--	--	GWB	FP	P-2	--	--	--	GWB	VWC	VWC-7	GWB	VWC	VWC-7	ACP	X	ACP-3	9'-0"	
216	ATTENDANCE	RF	RF-1	RB	RB-2	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	VWC	VWC-7	--	--	--	ACP	X	ACP-3	9'-0"	7
217	FINANCE	C	C-5	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
218	CONFERENCE	C	C-3	RB	RB-1	--	--	--	GWB	VWC	VWC-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	
219	WAITING	C	C-5	RB	RB-2	GWB/VWC	VWC-4	42"	GWB	VWC	VWC-3	GWB	VWC	VWC-3	GWB	VWC	VWC-7	--	--	--	ACP	X	ACP-2	9'-0"	
220	VICE PRINCIPAL	C	C-3	RB	RB-1	--	--	--	GWB	VWC	VWC-2	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	
221	VICE PRINCIPAL	C	C-3	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	VWC	VWC-2	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	
222	VICE PRINCIPAL	C	C-3	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	VWC	VWC-2	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	
223	CONFERENCE	C	C-3	RB	RB-1	--	--	--	GWB	VWC	VWC-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	
224	PRINCIPAL	C	C-3	RB	RB-1	--	--	--	GWB	VWC	VWC-9	GWB	VWC	VWC-9	GWB	VWC	VWC-9	GWB	VWC	VWC-9	ACP	X	ACP-3	9'-0"	
225	WORKROOM / STORAGE	RF	RF-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	

ADMINISTRATION - BUILDING NO. 2 CONTINUED

ROOM NO	ROOM NAME	FLOOR MATL	FLOOR COL	BASE MATL	BASE COL	WAINSCOT MATL	WAINSCOT COL	WAINSCOT HT	NORTH WALL MATL	NORTH WALL FIN	NORTH WALL COL	EAST WALL MATL	EAST WALL FIN	EAST WALL COL	SOUTH WALL MATL	SOUTH WALL FIN	SOUTH WALL COL	WEST WALL MATL	WEST WALL FIN	WEST WALL COL	CEILING MATL	CEILING FIN	CEILING COL	CEILING HT	RM FIN NOTES
226	MAIL	RF	RF-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	
227	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
228	TELEPHONE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
229	COMPUTER	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
230	MECHANICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1		20
231	MEN	MT	MT-1	CT	CT-1	--	--	--	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	GWB	SP	P-1	9'-0"	10
232	WOMEN	MT	MT-1	CT	CT-1	--	--	--	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	GWB	SP	P-1	9'-0"	11
233	VICE PRINCIPALS' SECRETARIES	C	C-2	RB	RB-2	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	ACP	X	ACP-2	9'-0"	
234	PASSAGE	C	C-2	RB	RB-2	GWB/VWC	VWC-4	42"	GWB	VWC	VWC-3	GWB	VWC	VWC-3	GWB	VWC	VWC-3	GWB	VWC	VWC-3	ACP/GWB	X/FP	ACP-2/P-2	VARIES	9
235	CLOSET	C	C-2	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	8'-0"	
236	CLOSET	C	C-2	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	8'-0"	

BUSINESS - BUILDING NO.3

ROOM NO	ROOM NAME	FLOOR MATL	FLOOR COL	BASE MATL	BASE COL	WAINSCOT MATL	WAINSCOT COL	WAINSCOT HT	NORTH WALL MATL	NORTH WALL FIN	NORTH WALL COL	EAST WALL MATL	EAST WALL FIN	EAST WALL COL	SOUTH WALL MATL	SOUTH WALL FIN	SOUTH WALL COL	WEST WALL MATL	WEST WALL FIN	WEST WALL COL	CEILING MATL	CEILING FIN	CEILING COL	CEILING HT	RM FIN NOTES
301	BUSINESS CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
302	BUSINESS CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
303	TYPING / WORDPROCESSING	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
304	COMPUTER STUDIES	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
305	COMPUTER STUDIES	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
306	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
307	TYPING / WORDPROCESSING	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
308	COMPUTER STUDIES	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
309	TYPING / WORDPROCESSING	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
310	STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
311	CUSTODIAN	VCT	VCT-2	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	6
312	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	

KITCHEN / ASB / FACULTY LOUNGE - BUILDING NO. 4

ROOM NO	ROOM NAME	FLOOR MATL	FLOOR COL	BASE MATL	BASE COL	WAINSCOT MATL	WAINSCOT COL	WAINSCOT HT	NORTH WALL MATL	NORTH WALL FIN	NORTH WALL COL	EAST WALL MATL	EAST WALL FIN	EAST WALL COL	SOUTH WALL MATL	SOUTH WALL FIN	SOUTH WALL COL	WEST WALL MATL	WEST WALL FIN	WEST WALL COL	CEILING MATL	CEILING FIN	CEILING COL	CEILING HT	RM FIN NOTES
401	CENTRAL KITCHEN	QT	QT-1	QT	QT-1	--	--	--	GWB	PFP	PFP-2	GWB	PFP	PFP-2	GWB	PFP	PFP-2	GWB	PFP	PFP-2	GWB	SP	P-1	9'-0"	22,23
402	OFFICE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	8'-0"	
403	CUSTODIAN	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	8'-0"	
404	TOILET	MT	MT-1	CT	CT-1	CT	CT-1	48"	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	8'-0"	
405	DRY STORAGE	VCT	VCT-2	RB	RB-1	—	—	—	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	8'-0"	22,23
406	REFRIGERATOR	—	—	—	—	—	—	—	—	X	—	—	X	—	—	X	—	—	X	—	--	X	--	--	18,24
407	FREEZER	—	—	—	—	—	—	—	—	X	—	—	X	—	—	X	—	—	X	—	--	X	--	--	18,24
408	CUSTODIAN / ELECTRICAL	VCT	VCT-2	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	4
409	A.S.B. STORE	VCT	VCT-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB/WDS	FP/X	P-2/WDS-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	8
410	A.S.B. CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
411	MECHANICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
412	PHONE BOOTH	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	8'-0"	
413	PHONE BOOTH	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	8'-0"	
414	PHONE BOOTH	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	8'-0"	
415	FACULTY WORKROOM	C	C-5	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
416	PASSAGE	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	9'-0"	
417	MEN	MT	MT-1	CT	CT-1	--	--	--	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	GWB	SP	P-1	9'-0"	10
418	WOMEN	MT	MT-1	CT	CT-1	--	--	--	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	GWB	SP	P-1	9'-0"	11
419	FACULTY SMOKING LOUNGE	C	C-1	RB	RB-2	GWB/VWC	VWC-3	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	9
420	CUSTODIAN	VCT	VCT-2	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	9'-0"	4
421	FACULTY LOUNGE	C/RF	C-1/RF-1	RB	RB-2	GWB/VWC	VWC-3	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	9
422	DRESSING AREA	QT	QT-1	QT	QT-1	--	--	--	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	8'-0"	

WOODSHOP / CUSTODIAL - BUILDING NO. 5

N.I.C.

ROOM NO	ROOM NAME	FLOOR MATL	FLOOR COL	BASE MATL	BASE COL	WAINSCOT MATL	WAINSCOT COL	WAINSCOT HT	NORTH WALL MATL	NORTH WALL FIN	NORTH WALL COL	EAST WALL MATL	EAST WALL FIN	EAST WALL COL	SOUTH WALL MATL	SOUTH WALL FIN	SOUTH WALL COL	WEST WALL MATL	WEST WALL FIN	WEST WALL COL	CEILING MATL	CEILING FIN	CEILING COL	CEILING HT	RM FIN NOTES
501	CLASSR[illegible]	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	[illegible]	[illegible]	[illegible]	7
502	TEXTBOOK STORAGE	[illegible]	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	[illegible]	[illegible]	[illegible]	10'-0"	
503	WOOD STORAGE	[illegible]	[illegible]	[illegible]	RB-1	GWB/PLY		7'-0"	GWB	FP/ACP	P-1/	GWB	FP	P-1	GWB	FP/ACP	P-1/	GWB	[illegible]	[illegible]	[illegible]	FP	P-1	15'-0"	
504	WOODSHOP	CONC	[illegible]	[illegible]	[illegible]	[illegible]		7'-0"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	[illegible]	[illegible]	[illegible]	GWB	FP	P-1	15'-0"	17,25
505	OFFICE	VCT	VCT-2	RB	[illegible]	[illegible]	[illegible]	--	GWB	FP	P-1	GWB	FP	P-1	GWB	[illegible]	[illegible]	[illegible]	FP	P-1	GWB	FP	P-1	9'-0"	
506	FINISHING ROOM	CONC	--	RB	RB-1	--	--	[illegible]	[illegible]	[illegible]	P-2	GWB	[illegible]	[illegible]	[illegible]	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
507	PROJECT ROOM	CONC	--	RB	RB-1	--	--	--	GWB	[illegible]	[illegible]	[illegible]	[illegible]	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	10'-0"	
508	CUSTODIAN / MAINTENANCE	VCT	VCT-2	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	[illegible]	[illegible]	[illegible]	[illegible]	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	10'-0"	?
509	TOILET	MT	MT-1	MT	MT-1	GWB/PFP	PFP-1	[illegible]	GWB	[illegible]	P-1	[illegible]	[illegible]	[illegible]	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	8'-0"	
510	ELECTRICAL	CONC	--	RB	RB-1	[illegible]	[illegible]	[illegible]	GWB	FP	P-2	GWB	FP	[illegible]	[illegible]	[illegible]	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
511	THEATER SET STORAGE	CONC	[illegible]	[illegible]	[illegible]	GWB/PLY		7'-0"	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	[illegible]	[illegible]	[illegible]	P-2	GWB	FP	P-1	10'-0"	

ARTS AND CRAFTS - BUILDING NO. 6

ROOM NO	ROOM NAME	FLOOR MATL	FLOOR COL	BASE MATL	BASE COL	WAINSCOT MATL	WAINSCOT COL	WAINSCOT HT	NORTH WALL MATL	NORTH WALL FIN	NORTH WALL COL	EAST WALL MATL	EAST WALL FIN	EAST WALL COL	SOUTH WALL MATL	SOUTH WALL FIN	SOUTH WALL COL	WEST WALL MATL	WEST WALL FIN	WEST WALL COL	CEILING MATL	CEILING FIN	CEILING COL	CEILING HT	RM FIN NOTES
601	CRAFTS	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	9'-0"	7
602	LOCKERS	CONC	SEALED	--	--	--	--	--	CPL	—	—	CPL	—	—	CPL	—	—	CPL	—	—	CPL	—	—	9'-0"	35
603	ART	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	9'-0"	7
604	OFFICE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	ACP	X	ACP-1	9'-0"	
605	CLAY STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	
606	CUSTODIAN	VCT	VCT-2	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	4
607	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	
608	MECHANICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	
609	PASSAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	9'-0"	7
610	WORKROOM	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	
611	STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	
612	PHOTOGRAPHY	VCT	VCT-2	RB	RB-1	GWB/SP	P-2	40"	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	ACP	X	ACP-1	9'-0"	7
613	DARK ROOM	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	9'-0"	
614	VESTIBULE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-15	GWB	SP	P-16	GWB	SP	P-15	GWB	SP	P-15	GWB	SP	P-15	9'-0"	
615	CLOSET	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	
616	PRINT ROOM	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-15	GWB	SP	P-2	GWB	SP	P-15	GWB	SP	P-15	ACP	X	ACP-1	9'-0"	33
617	PORTRAIT STUDIO	VCT	VCT-2	RB	RB-1	--	--	--	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	ACP	X	ACP-1	9'-0"	
618	DRAFTING / GRAPHICS	VCT	VCT-2	RB	RB-1	GWB/SP	P-2	40"	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	GWB	SP	P-1	ACP	X	ACP-1	9'-0"	7

LANGUAGE - BUILDING NO.7

[redacted]

ROOM NO	ROOM NAME	FLOOR MATL	FLOOR COL	BASE MATL	BASE COL	WAINSCOT MATL	WAINSCOT COL	WAINSCOT HT	NORTH WALL MATL	NORTH WALL FIN	NORTH WALL COL	EAST WALL MATL	EAST WALL FIN	EAST WALL COL	SOUTH WALL MATL	SOUTH WALL FIN	SOUTH WALL COL	WEST WALL MATL	WEST WALL FIN	WEST WALL COL	CEILING MATL	CEILING FIN	CEILING COL	CEILING HT	RM FIN NOTES
703	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
704	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
705	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
706	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
707	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
708	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7

[redacted]

[redacted]

ROOM NO	ROOM NAME	FLOOR MATL	FLOOR COL	BASE MATL	BASE COL	WAINSCOT MATL	WAINSCOT COL	WAINSCOT HT	NORTH WALL MATL	NORTH WALL FIN	NORTH WALL COL	EAST WALL MATL	EAST WALL FIN	EAST WALL COL	SOUTH WALL MATL	SOUTH WALL FIN	SOUTH WALL COL	WEST WALL MATL	WEST WALL FIN	WEST WALL COL	CEILING MATL	CEILING FIN	CEILING COL	CEILING HT	RM FIN NOTES
713	GROUP STUDY	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
714	GROUP STUDY	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
715	GROUP STUDY	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
716	GROUP STUDY	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
717	GROUP STUDY	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
718	GROUP STUDY	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	

HOME ECONOMICS - BUILDING NO. 8

N.I.C.

ROOM NO	ROOM NAME	FLOOR MATL	FLOOR COL	BASE MATL	BASE COL	WAINSCOT MATL	WAINSCOT COL	WAINSCOT HT	NORTH WALL MATL	NORTH WALL FIN	NORTH WALL COL	EAST WALL MATL	EAST WALL FIN	EAST WALL COL	SOUTH WALL MATL	SOUTH WALL FIN	SOUTH WALL COL	WEST WALL MATL	WEST WALL FIN	WEST WALL COL	CEILING MATL	CEILING FIN	CEILING COL	CEILING HT	RM FIN NOTES
[illegible]	[illegible]	SV	SV-1	RB	RB-1	--	--	--	GWB	SP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	[illegible]	[illegible]	[illegible]	[illegible]	8
802	CHILD DEVEL[illegible]	[illegible]	C-6/SV-1	RB	RB-1	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	[illegible]	[illegible]	[illegible]	[illegible]	ACP-1	9'-0"	7
803	CLASSROOM / DINING ROOM	[illegible]	[illegible]	[illegible]	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	X	ACP-1	9'-0"	7
804	OFFICE	C	[illegible]	[illegible]	[illegible]	--	--	--	GWB	FP	P-1	GWB	FP	P-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	P-1	ACP	X	ACP-1	9'-0"	
805	TOILET	MT	MT-1	CT	[illegible]	[illegible]	[illegible]	[illegible]	GWB	SP	P-1	GWB	SP	[illegible]	[illegible]	[illegible]	[illegible]	GWB	SP	P-1	GWB	SP	P-1	9'-0"	
806	CLASSROOM / LECTURE	C	C-6	RB	RB-1	GWB/FP	P-2	40"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
807	FOODS ROOM	SV	SV-1	RB	RB-1	--	[illegible]	[illegible]	[illegible]	[illegible]	P-1	[illegible]	[illegible]	[illegible]	[illegible]	SP	P-1	GWB	SP	P-1	ACP	X	ACP-1	9'-0"	
808	LAUNDRY	SV	SV-1	RB	[illegible]	[illegible]	[illegible]	[illegible]	GWB	SP	P-1	GWB	SP	[illegible]	[illegible]	[illegible]	[illegible]	GWB	SP	P-1	GWB	SP	P-1	8'-0"	
809	ELECTRICAL	CONC	[illegible]	[illegible]	[illegible]	[illegible]	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	[illegible]	[illegible]	[illegible]	[illegible]	P-2	GWB	FP	P-1	9'-0"	2
810	CUSTODIAN	[illegible]	[illegible]	[illegible]	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	[illegible]	[illegible]	[illegible]	[illegible]	SP	P-1	9'-0"	
		CONC	--	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	[illegible]	[illegible]	[illegible]	

Drawn By		Revisions
Checked By		
Date	MARCH 1988	
Commission No.	1.30.02	BID JANUARY 1991

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ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

Room Finish Schedule
A 49 275 JUN 22 1988
APPROVED
John P. M. C

Sheet Number
TD-4
81 Of Sheets

INCREMENT 2

115346

ROOM FINISH SCHEDULE CONTINUED

ROOM NO	ROOM NAME	FLOOR MATL	FLOOR COL	BASE MATL	BASE COL	WAINSCOT MATL	WAINSCOT COL	WAINSCOT HT	NORTH WALL MATL	NORTH WALL FIN	NORTH WALL COL	EAST WALL MATL	EAST WALL FIN	EAST WALL COL	SOUTH WALL MATL	SOUTH WALL FIN	SOUTH WALL COL	WEST WALL MATL	WEST WALL FIN	WEST WALL COL	CEILING MATL	CEILING FIN	CEILING COL	CEILING HT	RM FIN NOTES
	ENGLISH - BUILDING NO. 9																								
901	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
902	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
903	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
904	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
905	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
906	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-2	ACP	X	ACP-1	9'-0"	7
907	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
908	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
909	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
910	CUSTODIAN	VCT	VCT-2	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	4
911	STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
912	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
913	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
914	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
915	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
916	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
917	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
918	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
919	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
920	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-2	ACP	X	ACP-1	9'-0"	
	LIBRARY - BUILDING NO. 10																								
100[illegible]	[illegible]ATIVE LEARNING CENTER	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-[illegible]	[illegible]	[illegible]
1002	[illegible]	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	[illegible]	
1003	FACULTY [illegible]	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	[illegible]	[illegible]	
1004	STORAGE	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	[illegible]	9'-0"	
1005	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	[illegible]	P-1	9'-0"	4
1006	FACULTY WOMEN	[illegible]	[illegible]	--	--	--	--	--	GWB	CT		GWB	CT		GWB	CT		GWB	CT		GWB	SP	P-1	9'-0"	11
1007	FACULTY MEN	MT	[illegible]	--	--	--	--	--	GWB	CT		GWB	CT		GWB	CT		GWB	[illegible]		GWB	SP	P-1	9'-0"	10
1008	ELEVATOR SHAFT	CONC	[illegible]	--	--	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	[illegible]	[illegible]	P-1	GWB	FP	P-1	--	20
1009	STAIRS	RF	RF-1	[illegible]	[illegible]	--	--	--	GWB	FP		GWB	FP		GWB	FP		[illegible]	[illegible]		GWB	FP	P-1	VARIES	
1010	PASSAGE	RF	RF-1	RB	[illegible]	[illegible]	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		ACP	X	ACP-1	9'-0"	
1011	FOYER	RF	RF-1	RB	RB-2	[illegible]	[illegible]	[illegible]	GWB	FP		GWB	FP		[illegible]	[illegible]		GWB	FP		GWB	FP	P-1	VARIES	
1012	PASSAGE	C	C-1	RB	RB-2	--	[illegible]	[illegible]	GWB	FP	P-1	GWB	FP	[illegible]	[illegible]	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	
1013	CONFERENCE / FILM PREVIEW	C	C-4	RB	RB-2	--	[illegible]	[illegible]	[illegible]	VWC	VWC-6	GWB	[illegible]	[illegible]	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	
1014	REPAIR	RF	RF-1	RB	RB-2	--	[illegible]	[illegible]	[illegible]	FP	P-1	[illegible]	[illegible]	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1015	REC.	RF	RF-1	RB	RB-2	--	[illegible]	[illegible]	[illegible]	[illegible]	P-1	[illegible]	[illegible]	[illegible]	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1016	DARK ROOM	SV	SV-1	RB	RB-1	--	--	--	GWB	[illegible]	[illegible]	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	ACP	X	ACP-1	9'-0"	
1017	GRAPHICS	C	C-5	RB	RB-2	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1018	TYPING / COMPUTER USE	C	C-5	RB	RB-2	--	--	[illegible]	[illegible]	FP	P-1/P-4	[illegible]	[illegible]	P-1/P-4	GWB	FP	P-1/P-4	GWB	FP	P-1/P-4	ACP	X	ACP-1	9'-0"	13
1019	BOOK REPAIR	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	[illegible]	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	
1020	LIBRARY TECH.	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	[illegible]	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-3	9'-0"	14,7
1021	STACKS	C	C-1	RB	[illegible]	--	--	--	GWB	FP	P-1	GWB	FP	P-1	[illegible]	FP	P-1	GWB	FP	P-1	GWB	FP		VARIES	7
1022	MEDIA USE	C	C-1	[illegible]	[illegible]	--	--	--	GWB	FP	P-2	GWB	FP	P-1	[illegible]	[illegible]	P-1	GWB	FP	P-2	ACP	X	ACP-3	9'-0"	
1023	MEDIA	C	[illegible]	[illegible]	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-3	GWB	[illegible]	[illegible]	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1024	STUDY	C	[illegible]	RB	RB-2	--	--	--	--	--	--	GWB	FP	P-1	GWB	FP	[illegible]	GWB	FP	P-1	ACP	X	ACP-3	VARIES	7
1025	QUIET STUDY	[illegible]	C-5	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	[illegible]	[illegible]	[illegible]	P-1	ACP	X	ACP-1	9'-0"	13
1026	LIBRARIAN OFFICE	C	C-5	RB	RB-2	--	--	--	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	P-1	GWB	[illegible]	P-1	ACP	X	ACP-1	9'-0"	
1027	REFERENCE	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	[illegible]	ACP	X	ACP-3	9'-0"	
1028	STA[illegible]	RF	RF-1	RB	RB-2	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	[illegible]	[illegible]	FP	P-1	VARIES	
102[illegible]	[illegible]	C	C-1	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	[illegible]	X	ACP-3	9'-0"	
[illegible]	ELEVATOR MACHINE ROOM	CONC	--	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	[illegible]	P-1	9'-0"	
	[illegible]ANCE CENTER - BUILDING NO. 10																								
1001A	ELECTR[illegible]	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-[illegible]	[illegible]	
1002A	COMMUNICATIONS	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	[illegible]	[illegible]	
1003A	PASSAGE	[illegible]	RF-1	RB	RB-2	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		ACP	[illegible]	[illegible]	9'-0"	
1004A	WAITING	[illegible]	[illegible]	[illegible]	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	[illegible]	[illegible]	[illegible]	P-1	VARIES	
1005A	RECEPTION	C	[illegible]	[illegible]	[illegible]	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	[illegible]	[illegible]	[illegible]	FP	P-1	VARIES	
1006A	CAREER CENTER	C	C-2	RB	RB-[illegible]	[illegible]	[illegible]	--	GWB	FP	P-2	GWB	FP	P-1	GWB	FP	[illegible]	[illegible]	FP	P-1	GWB/ACP			VARIES	15,8
1007A	G.I.S. OFFICE	C	C-5	RB	RB-1	--	[illegible]	[illegible]	GWB	FP	P-1	GWB	FP	P-1	[illegible]	[illegible]	[illegible]	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1008A	COUNSELOR	C	C-5	RB	RB-1	--	--	[illegible]	[illegible]	FP	P-3	GWB	FP	[illegible]	[illegible]	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1009A	STORAGE	SV	SV-1	RB	RB-1	--	--	--	[illegible]	[illegible]	P-4	GWB	[illegible]	[illegible]	GWB	FP	P-2	GWB	FP	P-2	ACP	X	ACP-1	9'-0"	
1010A	G.I.S. OFFICE	C	C-5	RB	RB-1	--	--	--	GWB	[illegible]	[illegible]	[illegible]	[illegible]	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1011A	COUNSELOR	C	C-5	RB	RB-1	--	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	GWB	FP	P-2	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1012A	G.I.S. OFFICE	C	C-5	RB	RB-1	--	[illegible]	[illegible]	[illegible]	[illegible]	P-1	[illegible]	[illegible]	[illegible]	[illegible]	FP	P-3	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1013A	COUNSELOR	C	C-5	RB	RB-1	--	[illegible]	[illegible]	GWB	FP	P-1	GWB	FP	P-1	[illegible]	[illegible]	P-2	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1014A	STORAGE / CUSTODIAN	SV	SV-1	RB	RB-[illegible]	[illegible]	[illegible]	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	[illegible]	[illegible]	GWB	SP	P-2	GWB	SP	P-1	9'-0"	4
1015A	CONFERENCE	C	C-3	[illegible]	[illegible]	[illegible]	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	[illegible]	[illegible]	[illegible]	WC-2	ACP	X	ACP-3	9'-0"	
1016A	PASSAGE	[illegible]	[illegible]	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		[illegible]/ACP	FP/X		9'-0"	
1017A	PASSAGE	[illegible]	C-2	RB	RB-1	--	--	--	GWB	FP		GWB	FP		GWB	FP		GWB	FP		[illegible]	[illegible]		9'-0"	
	SPECIAL EDUCATION - BUILDING NO. 11																								
1101	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
1102	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
1103	TIME-OUT ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1104	TIME-OUT ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1105	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
1106	CLASSROOM	C	C-6	RB	RB-2	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	7
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9'-0"	
1108	TIME-OUT ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1109	TIME-OUT ROOM	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1110	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1111	MEN	MT	MT-1	--	--	--	--	--	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	CPL	SP	P-1	9'-0"	12
1112	WOMEN	MT	MT-1	--	--	--	--	--	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	GWB	CT	CT-1	CPL	SP	P-1	9'-0"	12
1113	CUSTODIAL	VCT	VCT-2	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	26
1114	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
	SCIENCE - BUILDING NO. 12																								
[illegible]	[illegible] / PHYSICAL SCI[illegible]NCE	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-14	ACP	[illegible]	ACP-1	[illegible]	[illegible]
1202	[illegible]	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-14	ACP	[illegible]	[illegible]	[illegible]	8
1203	PHYSICS	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-14	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	[illegible]	[illegible]	9'-0"	8
1204	BIOLOGY	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-14	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	[illegible]	[illegible]	ACP-1	9'-0"	8
1205	PHYSICS / BIOLOGY PREP.	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	[illegible]	[illegible]	X	ACP-1	9'-0"	8
1206	SCIENCE / LECTURE	C	[illegible]	[illegible]	RB-1	GWB/FP	P-2	40"	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	[illegible]	[illegible]	[illegible]	P-1	GWB/ACP	FP/X		10'-0"	16,27
1207	BIOLOGY	SV	SV-1	[illegible]	[illegible]	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	[illegible]	[illegible]	FP	P-1	ACP	X	ACP-1	9'-0"	
1208	CHEMISTRY	SV	SV-1	RB	[illegible]	[illegible]	--	--	GWB	FP	P-1	GWB	FP	P-1	[illegible]	[illegible]	[illegible]	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1209	BIOLOGY	SV	SV-1	RB	RB-1	[illegible]	--	--	GWB	FP	P-3	GWB	FP	[illegible]	[illegible]	[illegible]	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1210	HORTICULTURE	SV	SV-1	RB	RB-1	[illegible]	--	--	[illegible]	FP	P-3	GWB	[illegible]	[illegible]	[illegible]	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1211	CHEMISTRY	SV	SV-1	RB	RB-1	--	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	8
1212	CHEMISTRY / BIOLOGY PREP.	SV	SV-1	RB	RB-1	--	--	--	GWB	[illegible]	[illegible]	[illegible]	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	8
1213	FACULTY OFFICE	C	C-6	RB	RB-2	--	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	P-1	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1214	CONFERENCE	C	C-6	RB	RB-2	--	--	[illegible]	[illegible]	FP	P-1	GWB	[illegible]	[illegible]	GWB	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1215	CONFERENCE	C	C-6	RB	RB-2	--	--	[illegible]	GWB	FP	P-1	GWB	FP	[illegible]	[illegible]	FP	P-1	GWB	FP	P-1	ACP	X	ACP-1	9'-0"	
1216	CUSTODIAN	SV	SV-1	RB	RB-[illegible]	[illegible]	[illegible]FP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	[illegible]	[illegible]	GWB	SP	P-2	GWB	SP	P-1	9'-0"	2
1217	ELECTRICAL	CONC	X	[illegible]	[illegible]	[illegible]	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	[illegible]	[illegible]	[illegible]	FP	P-2	GWB	FP	P-1	9'-0"	
1218	PASSAGE	SV	[illegible]	[illegible]	RB-1	--	--	--	GWB	FP	P-1	GWB	FP	P-1	GWB	FP	P-1	[illegible]	[illegible]	P-1	ACP	X	ACP-1	9'-0"	
1219	WATER HEATER	[illegible]	[illegible]	RB	RB-1	--	--	--	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	[illegible]	[illegible]	GWB	SP	P-1	9'-0"	
1220	STORAGE	[illegible]	SV-1	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	[illegible]	[illegible]	FP	P-1	9'-0"	
1221	OPER[illegible]	SV	SV-1	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	[illegible]	[illegible]	9'-0"	27
1222	[illegible]	SV	SV-1	RB	RB-1	--	--	--	CBV	X	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	[illegible]	[illegible]	
[illegible]	[illegible]ENHOUSE	CONC	X	--	--	--	--	--	CBV/CPL	X/SP	--/P-2	GL	X	--	GL	X	--	GL/CPL	X/SP	-/P-2	GL	X	--	[illegible]	
	MATH (RELOCATABLE) - BUILDING NO. 13																								
1301	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1302	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1303	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1304	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1305	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1306	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1307	FACULTY OFFICE	C	C-6	RB	RB-1	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1308	ELECTRICAL	VCT	VCT-2	RB	RB-1	--	--	--	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
1309	CUSTODIAN	VCT	VCT-2	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	3
1310	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	

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ROOM NO	ROOM NAME	FLOOR MATL	FLOOR COL	BASE MATL	BASE COL	WAINSCOT MATL	WAINSCOT COL	WAINSCOT HT	NORTH WALL MATL	NORTH WALL FIN	NORTH WALL COL	EAST WALL MATL	EAST WALL FIN	EAST WALL COL	SOUTH WALL MATL	SOUTH WALL FIN	SOUTH WALL COL	WEST WALL MATL	WEST WALL FIN	WEST WALL COL	CEILING MATL	CEILING FIN	CEILING COL	CEILING HT	RM FIN NOTES
	MATH (RELOCATABLE) - BUILDING NO. 13 CONTINUED																								
1311	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1312	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1313	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1314	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1315	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
	[illegible] STUDIES (RELOCATABLE) - BUILDING NO. 14																								
1401	CLASS[illegible]	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-[illegible]	[illegible]	[illegible]
1402	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-[illegible]	[illegible]	7
1403	CLASSROOM	[illegible]	C-6	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	[illegible]	[illegible]	7
1404	CLASSROOM	[illegible]	[illegible]	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	[illegible]	[illegible]	9'-0"	7
1405	CLASSROOM	[illegible]	[illegible]	RB	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	[illegible]	[illegible]	ACP-1	9'-0"	7
1406	CLASSROOM	C	C-6	[illegible]	[illegible]	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	[illegible]	[illegible]	ACP	X	ACP-1	9'-0"	7
1407	FACULTY OFFICE	C	C-6	RB	[illegible]	[illegible]	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	[illegible]	[illegible]	VWC-10	ACP	X	ACP-1	9'-0"	
1408	FACULTY OFFICE	C	C-6	RB	RB-1	[illegible]	[illegible]	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	[illegible]	[illegible]	X	VWC-10	ACP	X	ACP-1	9'-0"	
1409	FACULTY OFFICE	C	C-6	RB	RB-1	--	[illegible]	[illegible]	VTS	X	VWC-10	VTS	X	VWC-10	VTS	[illegible]	[illegible]	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	
1410	STORAGE	SV	SV-1	RB	RB-1	--	--	[illegible]	[illegible]	FP	P-2	GWB	FP	P-2	[illegible]	[illegible]	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
1411	ELECTRICAL	CONC	--	RB	RB-1	--	--	--	GWB	[illegible]	[illegible]	GWB	[illegible]	[illegible]	GWB	FP	P-2	GWB	FP	P-2	GWB	FP	P-1	9'-0"	
1412	CUSTODIAN	SV	SV-1	RB	RB-1	GWB/PFP	PFP-1	48"	GWB	SP	[illegible]	[illegible]	[illegible]	P-2	GWB	SP	P-2	GWB	SP	P-2	GWB	SP	P-1	9'-0"	3
1413	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	X	[illegible]	[illegible]	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1414	CLASSROOM	C	C-6	RB	RB-2	--	--	--	VTS	[illegible]	[illegible]	[illegible]	[illegible]	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1415	CLASSROOM	C	C-6	RB	RB-2	--	--	--	[illegible]	[illegible]	VWC-10	VTS	[illegible]	[illegible]	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1416	CLASSROOM	C	C-6	RB	RB-2	--	[illegible]	[illegible]	VTS	X	VWC-10	VTS	X	VWC-10	[illegible]	[illegible]	VWC-10	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1417	CLASSROOM	C	C-6	RB	RB-2	[illegible]	[illegible]	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	[illegible]	[illegible]	VTS	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1418	CLASSROOM	C	C-6	RB	[illegible]	[illegible]	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	[illegible]	[illegible]	[illegible]	[illegible]	VWC-10	ACP	X	ACP-1	9'-0"	7
1419	CLASSROOM	C	C-6	[illegible]	[illegible]	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	[illegible]	X	VWC-10	ACP	X	ACP-1	9'-0"	7
1420	CLASSROOM	C	[illegible]	[illegible]	RB-2	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	[illegible]	[illegible]	VWC-10	ACP	X	ACP-1	9'-0"	7
1421	FACULTY OFFICE	[illegible]	C-6	RB	RB-1	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	[illegible]	[illegible]	X	ACP-1	9'-0"	
1422	FACULTY OFFIC[illegible]	C	C-6	RB	RB-1	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	[illegible]	[illegible]	ACP-1	9'-0"	
1423	FACU[illegible]	C	C-6	RB	RB-1	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	[illegible]	[illegible]	9'-0"	
142[illegible]	[illegible]ICE	C	C-6	RB	RB-1	--	--	--	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	VTS	X	VWC-10	ACP	X	[illegible]	[illegible]	

N.I.C.

N.I.C.

Finish Notes

1. SEE ELEVATIONS FOR LOCATION OF ACOUSTICAL WALL PANELS.
2. WAINSCOT @ N & E WALLS ONLY
3. WAINSCOT @ N & W WALLS ONLY
4. WAINSCOT @ S & W WALLS ONLY
5. WAINSCOT @ E & W WALLS ONLY
6. WAINSCOT @ N & S WALLS ONLY
7. TACK SURFACES TO BE #VWC-7
8. TACK SURFACES TO BE #VWC-8
9. CHAIRAIL LOCATION. CENTERLINE OF CHAIRAIL TO BE LOCATED @ HEIGHT OF WAINSCOT.
10. TOILET PARTITIONS ARE TO BE #P-6
11. TOILET PARTITIONS ARE TO BE #P-12
12. TOILET PARTITIONS ARE TO BE SELECTED FROM STANDARD COLOR RANGE BY ARCHITECT.
13. #P-4 TO BE 6" HIGH ACCENT STRIPE @ ALL WALLS. LOCATE @ 6'-6" A.F.F. TO BOTTOM OF STRIPE.
14. COLUMN @ CABINETRY TO BE PAINTED #P-2.
15. EXTERIOR OF SHAFT TO BE PAINTED #P-2 @ ALL SIDES.
16. HANDRAIL TO BE PAINTED #P-8 W/HIGH GLOSS FINISH.
17. WAINSCOT @ N S & W WALLS.
18. FINISHES IN WALK-IN REFRIGERATOR AND FREEZER BY EQUIPMENT MANUFACTURER.
19. CEILING HEIGHT IS 9'-0" FROM HIGHEST FLOOR ELEVATION.
20. GYPSUM BOARD APPLIED TO BOTTOM OF STRUCTURAL FRAMING.
21. WAINSCOT @ E S @ S W WALLS ONLY.
22. ALL WALLS IN CONTACT WITH OR WITHIN 6" OF RANGES, FRYERS, BROILERS, OVENS, AND OTHER COOKING EQUIPMENT SHALL BE CONSTRUCTED OF FIRE RESISTIVE MATERIALS CONFORMING TO LOCAL CODE REQUIREMENTS AND THE STATE FIRE MARSHAL'S RULINGS.
23. ALL UNPROTECTED WALL AND COLUMN CORNERS IN KITCHEN AND SERVING AREAS SHALL BE PROVIDED WITH VERTICAL 14 GAUGE STAINLESS STEEL BULL-NOSED BUMPER GUARDS, 6'-0" HIGH, SET IN PLACE WITH ADHESIVE OR CONCEALED FASTENERS.
24. CEILING HEIGHT PER MANUFACTURER'S STANDARD.
25. APPLY ACP BETWEEN WAINSCOT AND CEILING.
26. WAINSCOT @ S & E WALLS ONLY.
27. CEILING HEIGHT MEASURED FROM FINISH FLOOR ELEVATION 406.0".
28. CERAMIC TILE WAINSCOT @ PORTION OF EAST WALL. SEE INTERIOR ELEVATION 4/A-504.
29. PORTION OF GYPSUM BOARD CEILING @ UNDERSIDE OF STRUCTURE. SEE REFLECTED CEILING PLAN.
30. BY GREENHOUSE MANUFACTURER.
31. REFER TO SHEET TD-16 FOR WALL FINISH PLAN.
32. HANDRAIL TO BE PAINTED #P13 W/HIGH GLOSS FINISH.
33. #ACP-1 TO BE PAINTED #P-15 (FLAT BLACK).
34. APPLY ACP AS SHOWN ON INTERIOR ELEVATIONS, SHEET
35. REFER TO 3/A604.

Materials Legend

ACP	ACOUSTICAL CEILING PANEL
AWC	ACOUSTICAL WALL COVERING
C	CARPET
CBV	CONCRETE BLOCK VENEER
CONC	SEALED CONCRETE
CPL	CEMENT PLASTER
CT	CERAMIC TILE
ES	EXPOSED STRUCTURE
GL	GLASS (GREENHOUSE)
GWB	GYPSUM WALL BOARD
MB	MASONRY BLOCK
MT	CERAMIC MOSAIC TILE
OPW	OPERABLE WALL
PFP	PREFINISHED WALL
PLYWD	4X8X3/8" THICK PLYWOOD
QT	QUARRY TILE
RB	RESILIENT BASE
RF	RUBBER FLOORING
VCT	VINYL COMPOSITION TILE
VTS	VINYL TACK SURFACE
WD	WOOD FLOORING
WDS	WALL DISPLAY SYSTEM

Finish Legend

CT	CERAMIC TILE
FP	FLAT PAINT (LO-GLO FINISH)
PFP	PREFINISHED PANEL
PLYWD	4X8X3/8" THICK PLYWOOD
SP	SEMI GLOSS PAINT
ST	STAIN
VWC	VINYL WALL COVERING
X	FACTORY FINISH

Interior Color/Material Legend

Manufacturers listed are for color, texture and/or pattern designation only. Products of other manufacturers which are equal in color, texture and/or pattern may be substituted subject to specification requirements.

I.D.	ITEM	DESCRIPTION
ACP 1	ACOUSTICAL CEILING PANEL	CELOTEX HYTONE, 24" x48", TEXTURED BAROQUE
ACP 2	ACOUSTICAL CEILING PANEL	USG Auratone #56853 Designer Square I 24"x24"x3/4" w/Natural Fissured II Perforation pattern, color: Shadow
ACP 3	ACOUSTICAL CEILING PANEL	USG Auratone #56853 Designer Square I 24"x24"x3/4" w/Natural Fissured II Perforation pattern, color: White
AWC 1	ACOUSTIC. WALLCOVERING	WALLPRIDE Fabra-Tex, Horizon #W1817 Pearl
C 1	CARPET	MOHAWK Color Accent #CLA/710 Stone
C 2	CARPET	MOHAWK Color Print #CLP/710 Stone
C 3	CARPET	DESIGNWEAVE, Belle Isle #767-80 Seabreeze
C 4	CARPET	BENTLEY, Oxford Street #340-890 Purple Haze
C 5	CARPET	MOHAWK Theme #CTH/710 Stone
C 6	CARPET	MOHAWK Ironstone, custom color #3506A
C 7	CARPET	BENTLEY Stonegate #340-664 Rhinestone
CT 1	CERAMIC WALL TILE	DAL TILE #D-100 Dal White 4 1/4"x4 1/4" in scored pattern "D" w/Custom Bldg. Products grout #11 Snow White
CT 2	CERAMIC WALL TILE	DAL TILE #D-1466 Fife Gray 4 1/4" x 4 1/4" in scored pattern "D" #11 Snow White
CT 3	CERAMIC WALL TILE	DAL TILE #D-1468 Lilac 4 1/4" x 4 1/4" in scored pattern "D" w/ Custom Bldg. Products grout #11 Snow White
CT 4	CERAMIC WALL TILE	DAL TILE #D-1462 Teal 4 1/4" x 4 1/4" in scored pattern "D" w/ Custom Bldg. Products grout #11 Snow White
MT 1	MOSAIC FLOOR TILE	DAL TILE #DK-1466 Fife Gray 2 1/16"x 2 1/16" w/ Custom Blvd. Products Grout #165 Delorean Gray
OPW 1	OPERABLE WALL	SEE SPECIFICATIONS MANUAL
OPW 2	OPERABLE WALL	SEE SPECIFICATIONS MANUAL
P 1	PAINT	FRAZEE #5420W Polar White
P 2	PAINT	FRAZEE #5422M Antiquarian Gray
P 3	PAINT	FRAZEE #5522M Cambridge
P 4	PAINT	FRAZEE #5514D Castle Rock
P 5	PAINT	FRAZEE #5534D Chevalier
P 6	PAINT	FRAZEE #5535A Arabian Nights
P 7	PAINT	FRAZEE #5304D Plaza
P 8	PAINT	FRAZEE Custom Color #CX12-598
P 9	PAINT	FRAZEE #5313M Herringbone
P 10	PAINT	FRAZEE #5211W Gray Hint
P 11	PAINT	FRAZEE #5302M Manhattan
P 12	PAINT	FRAZEE #5305A Myth
P 13	PAINT	FRAZEE #5435N Charcoal
P 14	PAINT	FRAZEE #5523M Cape Cod Blue
P 15	PAINT	FRAZEE (flat Black)
PFP 1	PREFINISHED PANEL	MARLITE Designer Panel #C-63 Polar White c/w edge and corner moldings.
PFP 2	PREFINISHED PANEL	SEE SPECIFICATIONS MANUAL
QT 1	QUARRY TILE	AMERICAN OLEAN #Q-16 Gray Flash 6" x 6"
RB 1	RESILIENT BASE	ROPPE 4" rubber topset #75 Slate
RB 2	RESILIENT BASE	ROPPE 4" rubber topset #85 Burgandy
RF 1	RUBBER FLOORING	ROPPE std. profile, rubber tile and stair tread (sq. nose) w/ risers and 10" stringers to match. Color: #185 Burgundy
VCT 1	VINYL COMPOSITION TILE	AZROCK checkered pattern w/Genera Marble #VL-108 Agate White & White & Pebbled Onyx #VP-626 White Onyx
VCT 2	VINYL COMPOSITION #VP-626 White Onyx	AZROCK Pebbled Onyx TILE
VWC 1	VINYL WALLCOVERING	FRAZEE Lanark, Raipur #43582 Haze
VWC 2	VINYL WALLCOVERING	FRAZEE Lanark, Cardiff #41360 Beryl
VWC 3	VINYL WALLCOVERING	FRAZEE Lanark, Cardiff #41350 Misty
VWC 4	VINYL WALLCOVERING	FRAZEE Lanark, Cardiff #41361 Teal Blue
VWC 5	VINYL WALLCOVERING	FRAZEE Lanark, Cardiff #41357 Off White
VWC 6	VINYL WALLCOVERING	PERVEL Suite Collection, #100-3098 Douline
VWC 7	VINYL WALLCOVERING	WOLF GORDON Multitone #MTL3-300M Emberglow
VWC 8	VINYL WALLCOVERING	WOLF GORDON Multitone #MTL3-287M Emerald
VWC 9	VINYL WALLCOVERING	FRAZEE Tower, Pebble Tweed #43166 Whisper
VWC 10	VINYL WALLCOVERING	FRAZEE Westport, Stonedust #07-WMD-27
WDS 1	WALL DISPLAY SYSTEM	SHOWALL Display Wall System 8' x 4' panels w/T Grooves 3" on center. Color to be selected from decorator standards w/high luster finish.

STATE FIRE MARSHAL

Drawn By	Revisions
Checked By	
Date MARCH 1988	
Commission No. 1.30.02	BID JANUARY 1991

RUHNAU RUHNAU TODD/ASSOCIATES
Architects Planners
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ARCHITECT
C20662

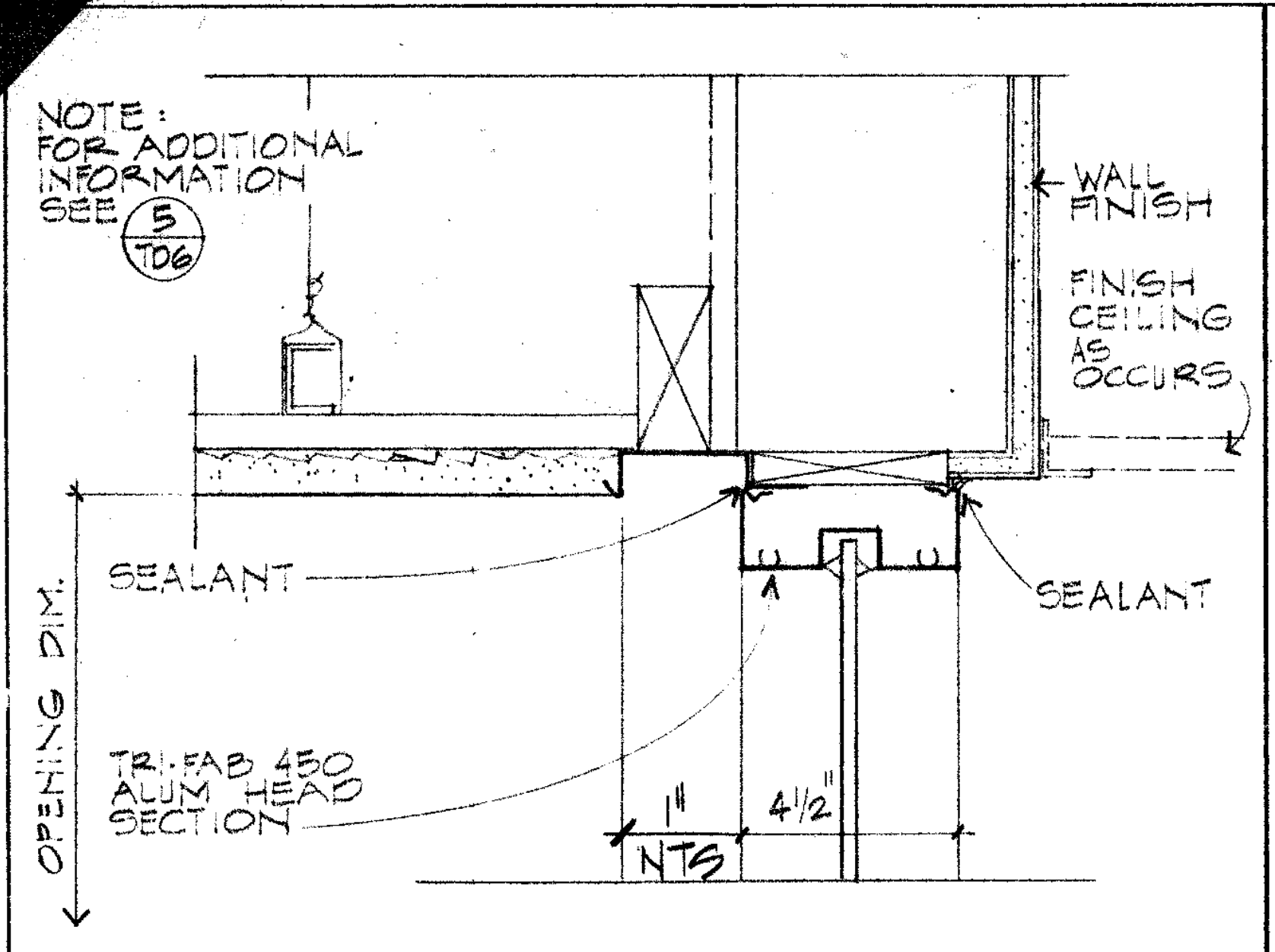
West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

Finish Schedule, Notes, Legends

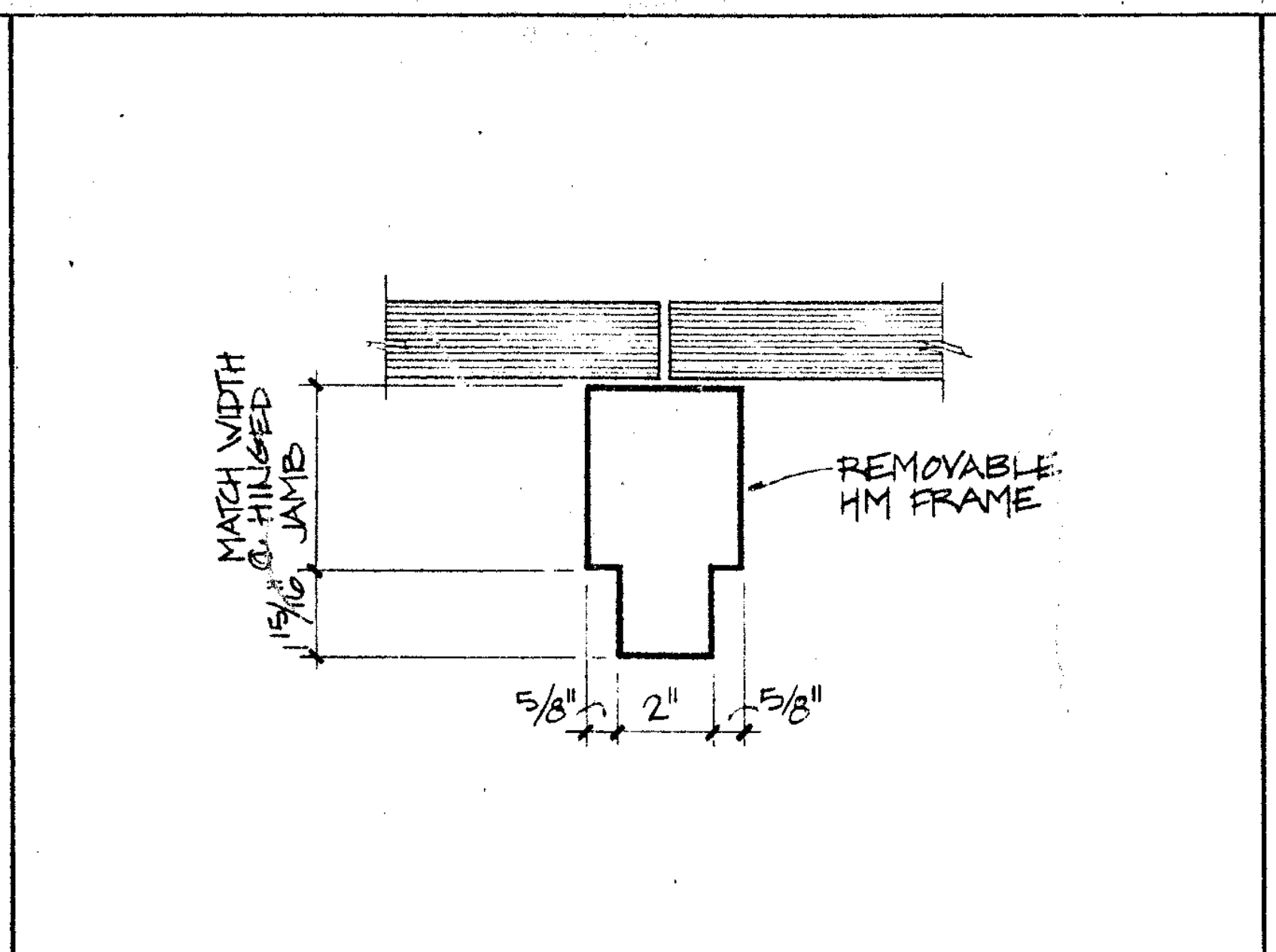
A 49275 JUN 22 1988

Sheet Number
TD-5
82 of Sheets

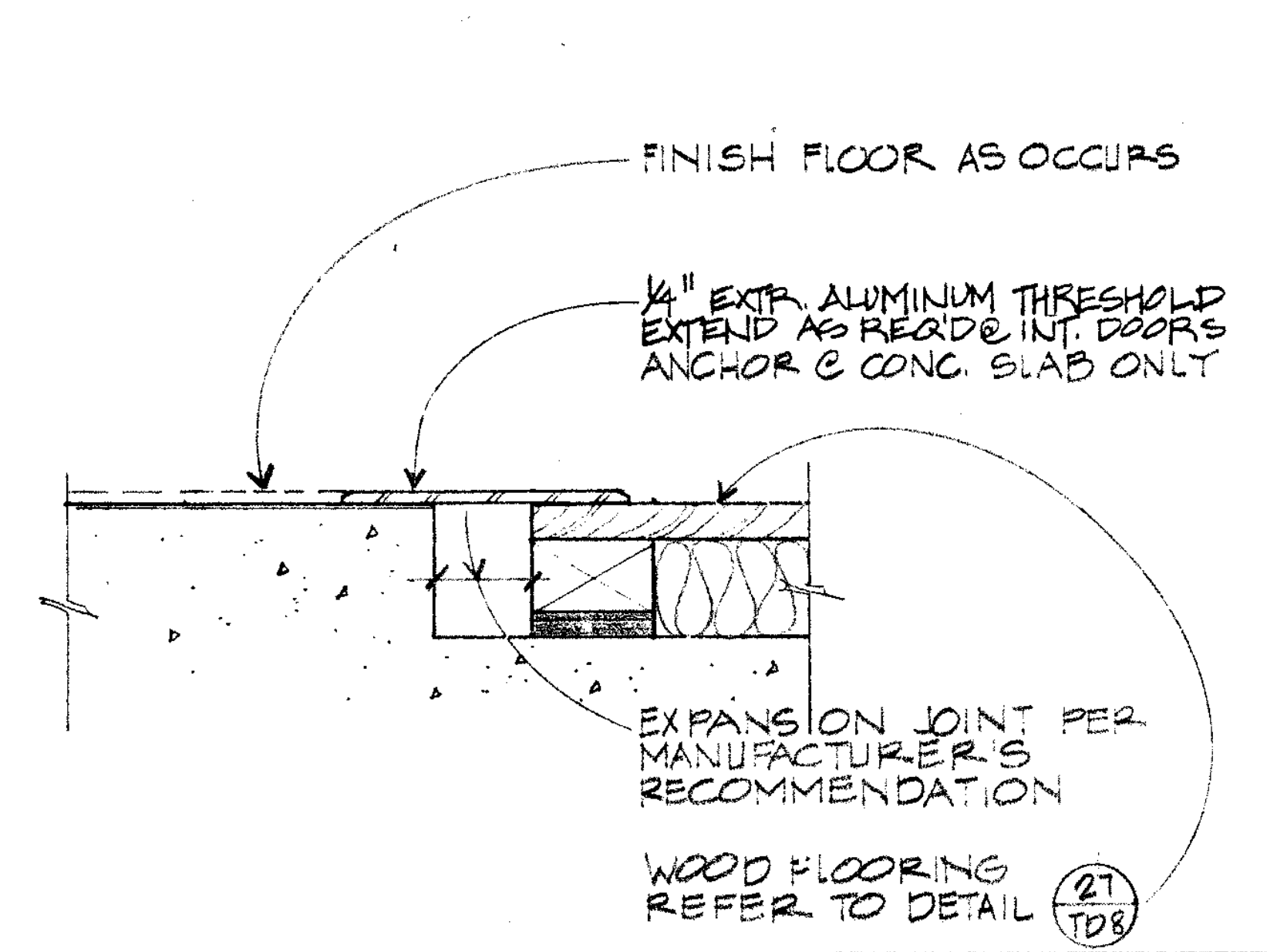
INCREMENT 2


NOTE: FOR ADDITIONAL INFORMATION SEE (5/TD6)
WALL FINISH
FINISH CEILING AS OCCURS
SEALANT
SEALANT
OPENING DIM.
TRI-FAB 450 ALUM HEAD SECTION
1"
4 1/2"
NTS

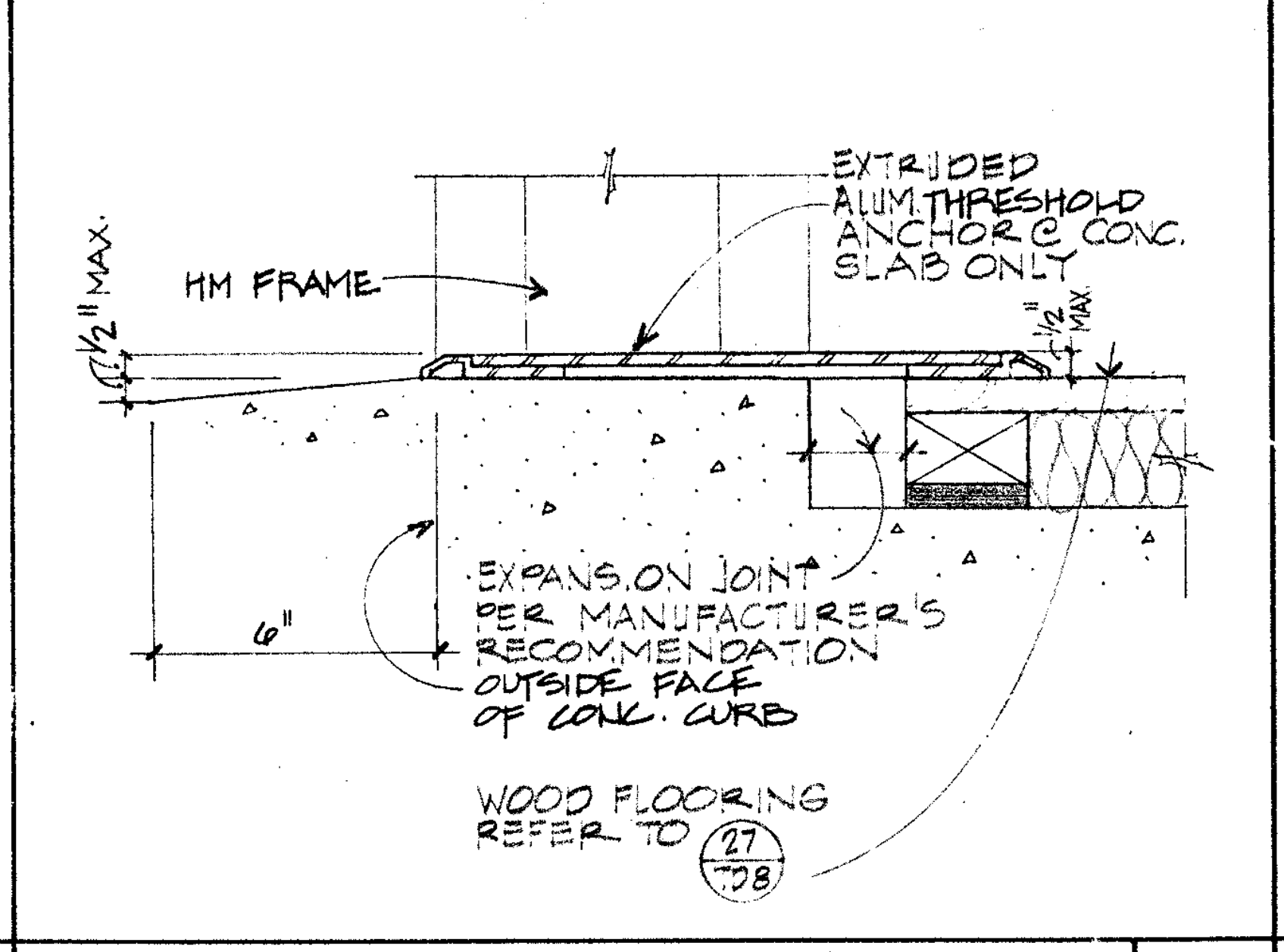
HEAD 3" **1**


MATCH WIDTH OF HINGED JAMB
1 15/16"
REMOVABLE HM FRAME
5/8"
2"
5/8"

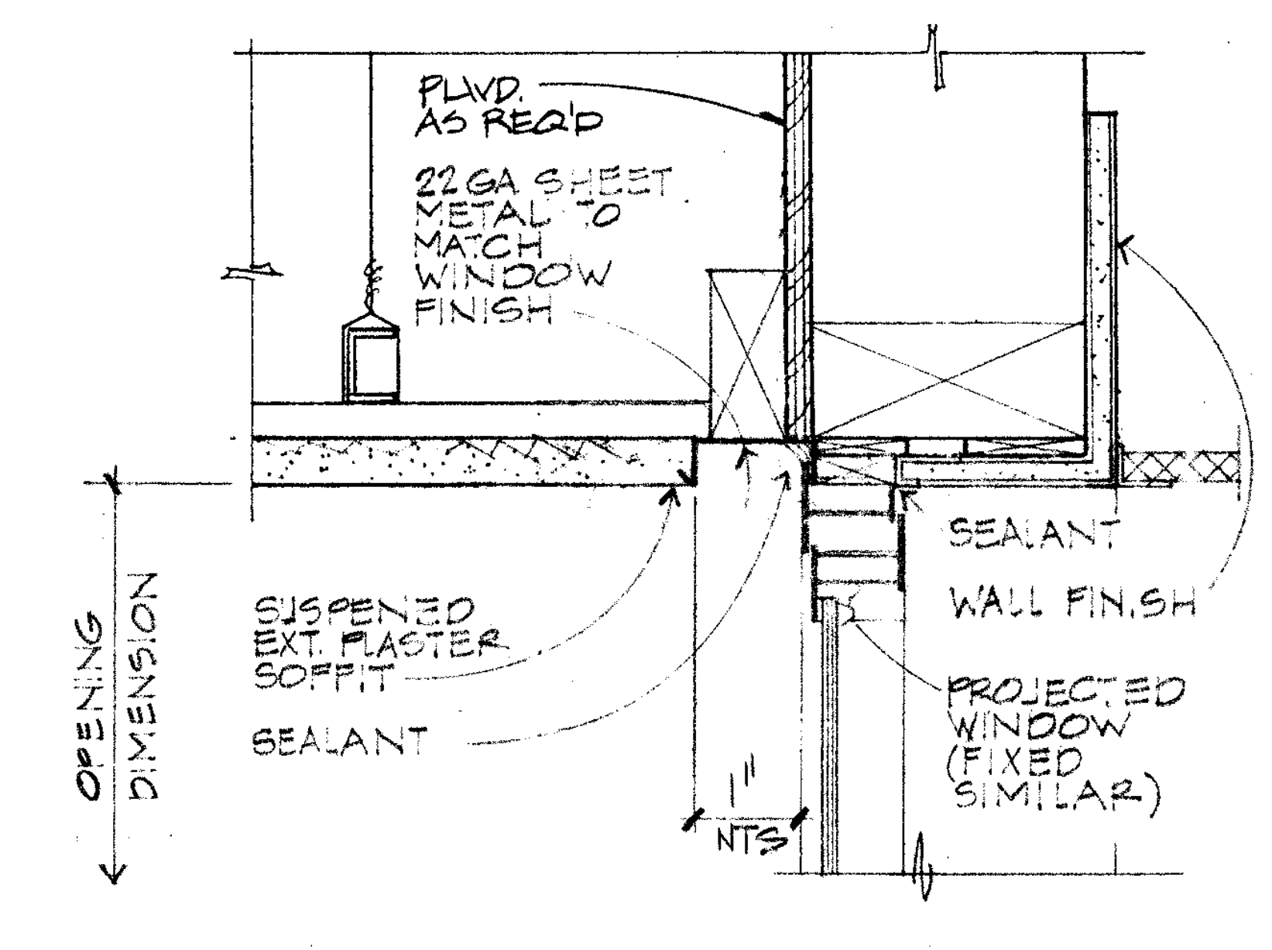
REMOVABLE MULLION 3" **2**


FINISH FLOOR AS OCCURS
1/4" EXTR. ALUMINUM THRESHOLD EXTEND AS REQ'D @ INT. DOORS ANCHOR @ CONC. SLAB ONLY
EXPANSION JOINT PER MANUFACTURER'S RECOMMENDATION
WOOD FLOORING REFER TO DETAIL (27/TD8)

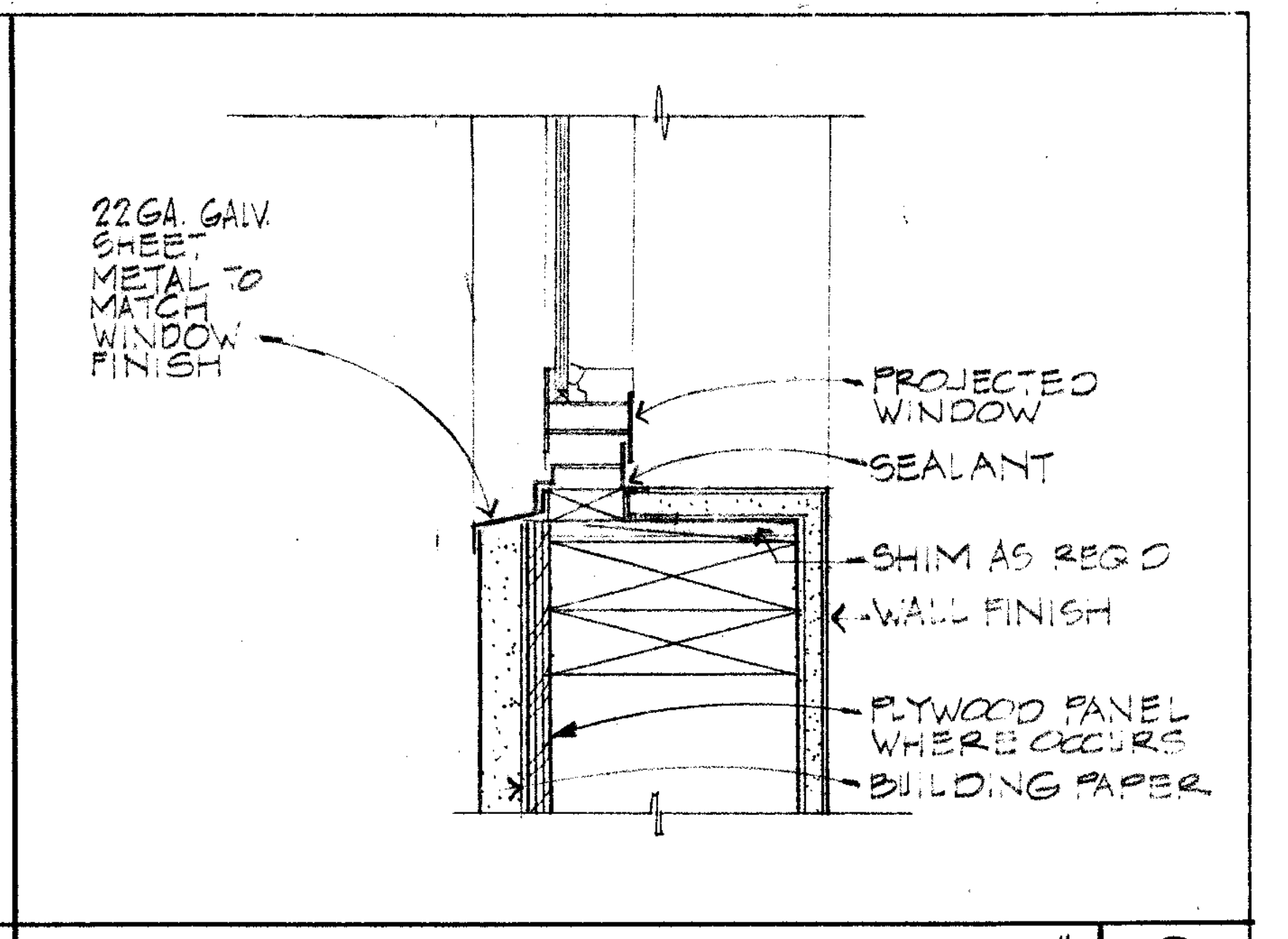
THRESHOLD 3" **3**


1/2" MAX.
HM FRAME
EXTRUDED ALUM THRESHOLD ANCHOR @ CONC. SLAB ONLY
6"
EXPANSION JOINT PER MANUFACTURER'S RECOMMENDATION
OUTSIDE FACE OF CONC. CURB
WOOD FLOORING REFER TO (27/TD8)

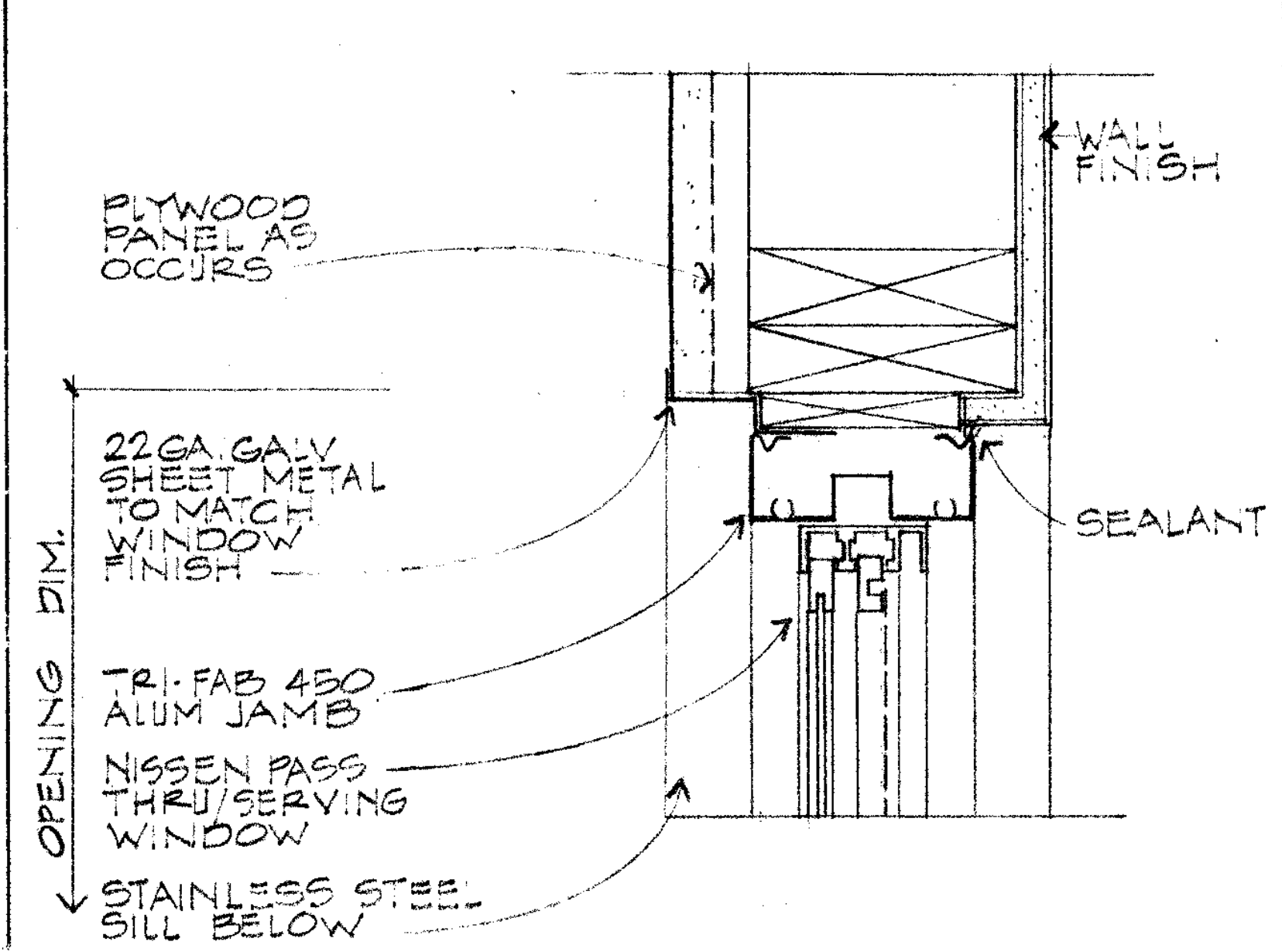
THRESHOLD 3" **4**


PLYWD. AS REQ'D
22 GA SHEET METAL TO MATCH WINDOW FINISH
SUSPENDED EXT. PLASTER SOFFIT
SEALANT
OPENING DIMENSION
SEALANT
WALL FINISH
PROJECTED WINDOW (FIXED SIMILAR)
1"
NTS

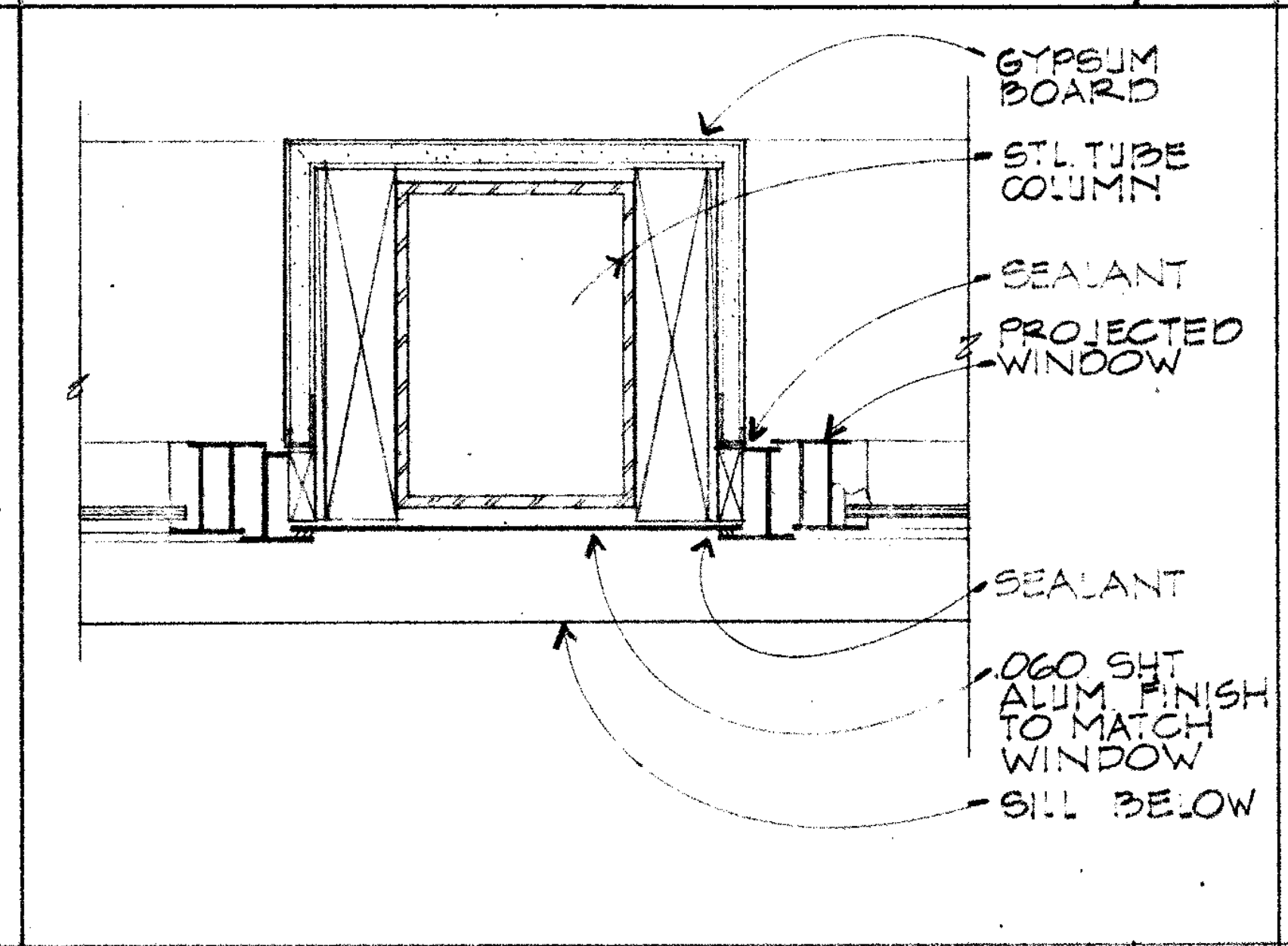
WINDOW HEAD 3" **5**


22 GA GALV SHEET METAL TO MATCH WINDOW FINISH
PROJECTED WINDOW
SEALANT
SHIM AS REQ'D
WALL FINISH
PLYWOOD PANEL WHERE OCCURS
BUILDING PAPER

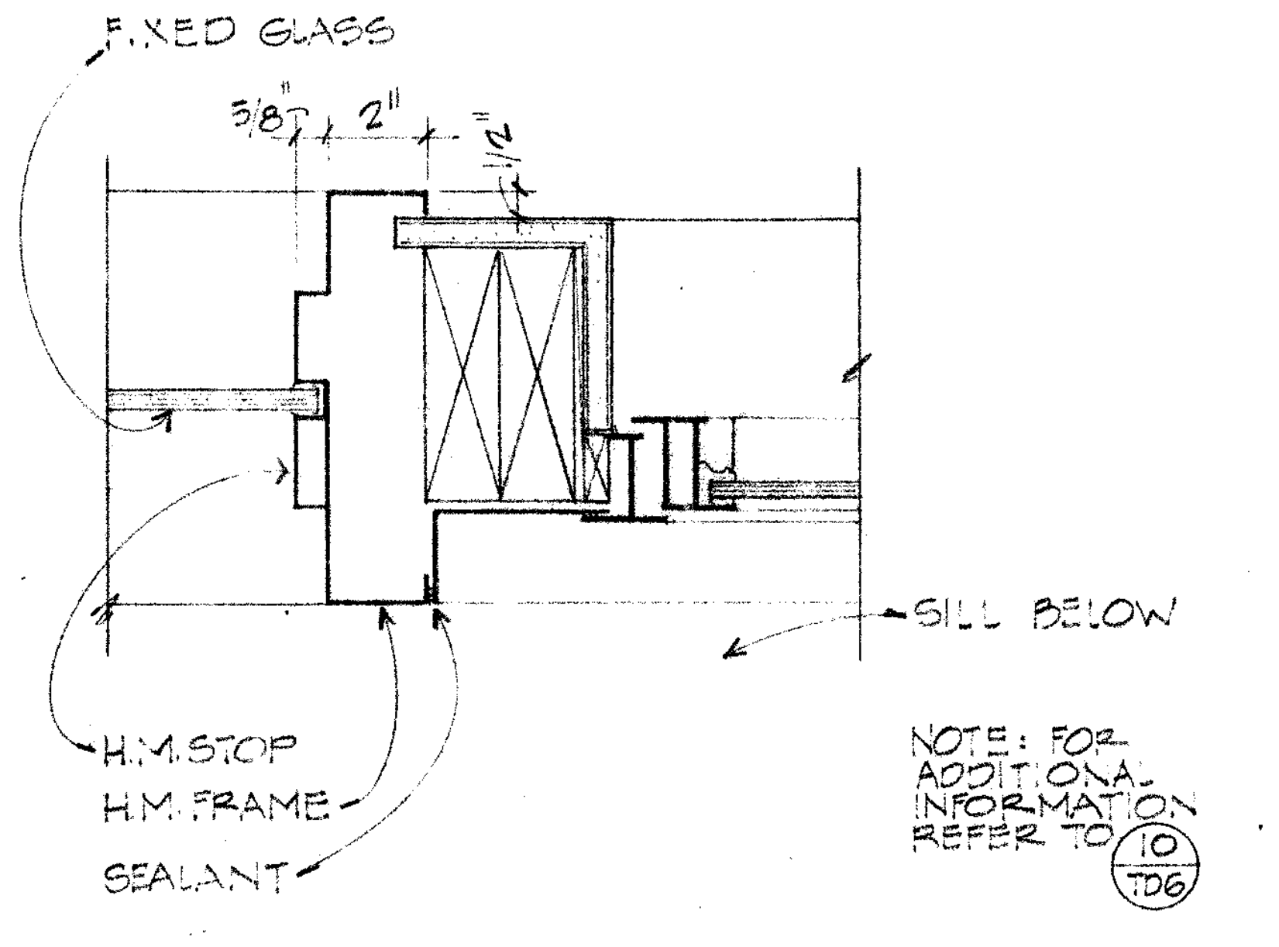
WINDOW SILL 3" **6**


PLYWOOD PANEL AS OCCURS
WALL FINISH
22 GA GALV SHEET METAL TO MATCH WINDOW FINISH
SEALANT
OPENING DIM.
TRI-FAB 450 ALUM JAMB
NISSEN PASS THRU/SERVING WINDOW
STAINLESS STEEL SILL BELOW

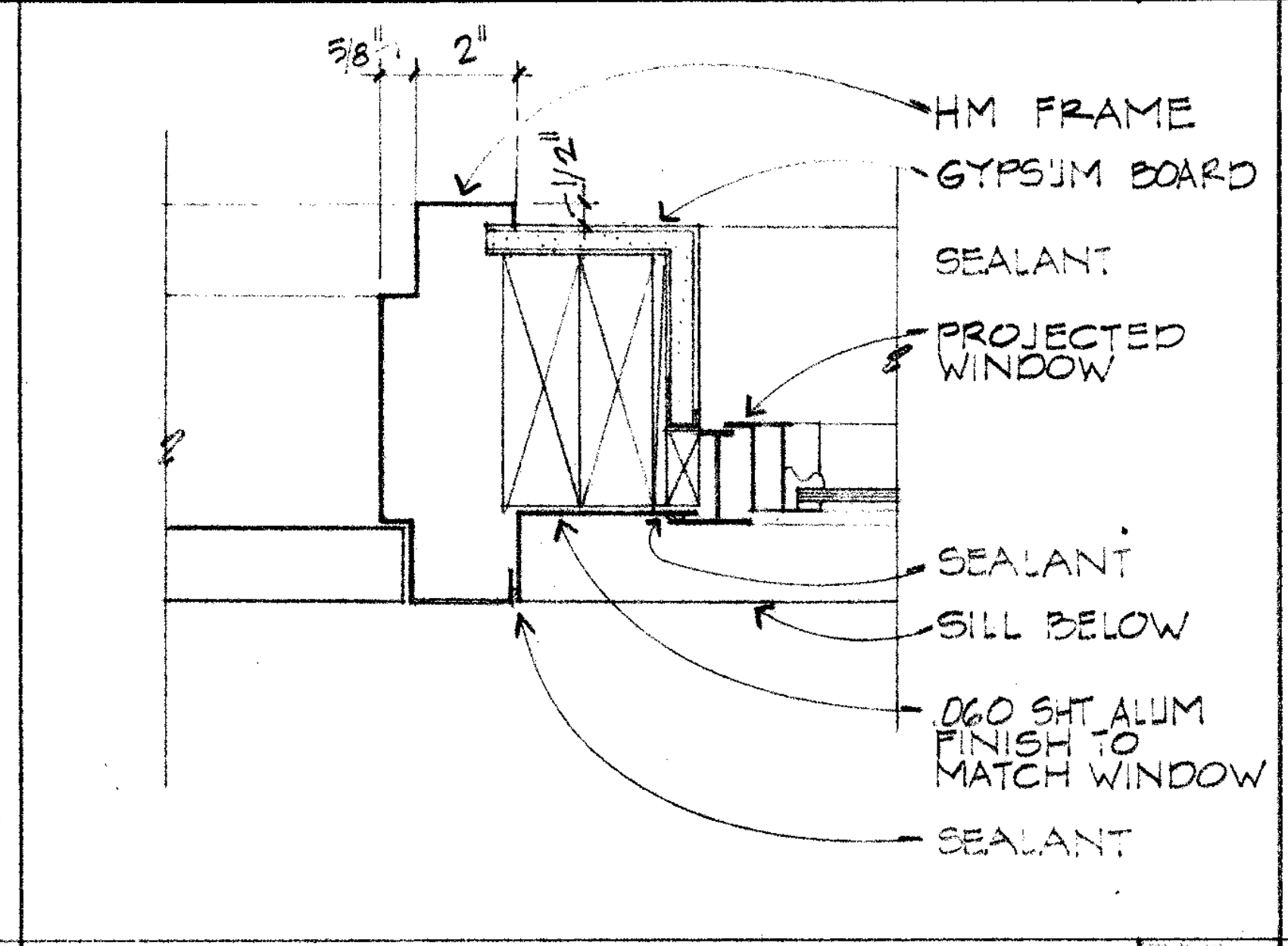
JAMB 3" **7**


GYPSUM BOARD
STL TUBE COLUMN
SEALANT
PROJECTED WINDOW
SEALANT
.060 SHT ALUM FINISH TO MATCH WINDOW
SILL BELOW

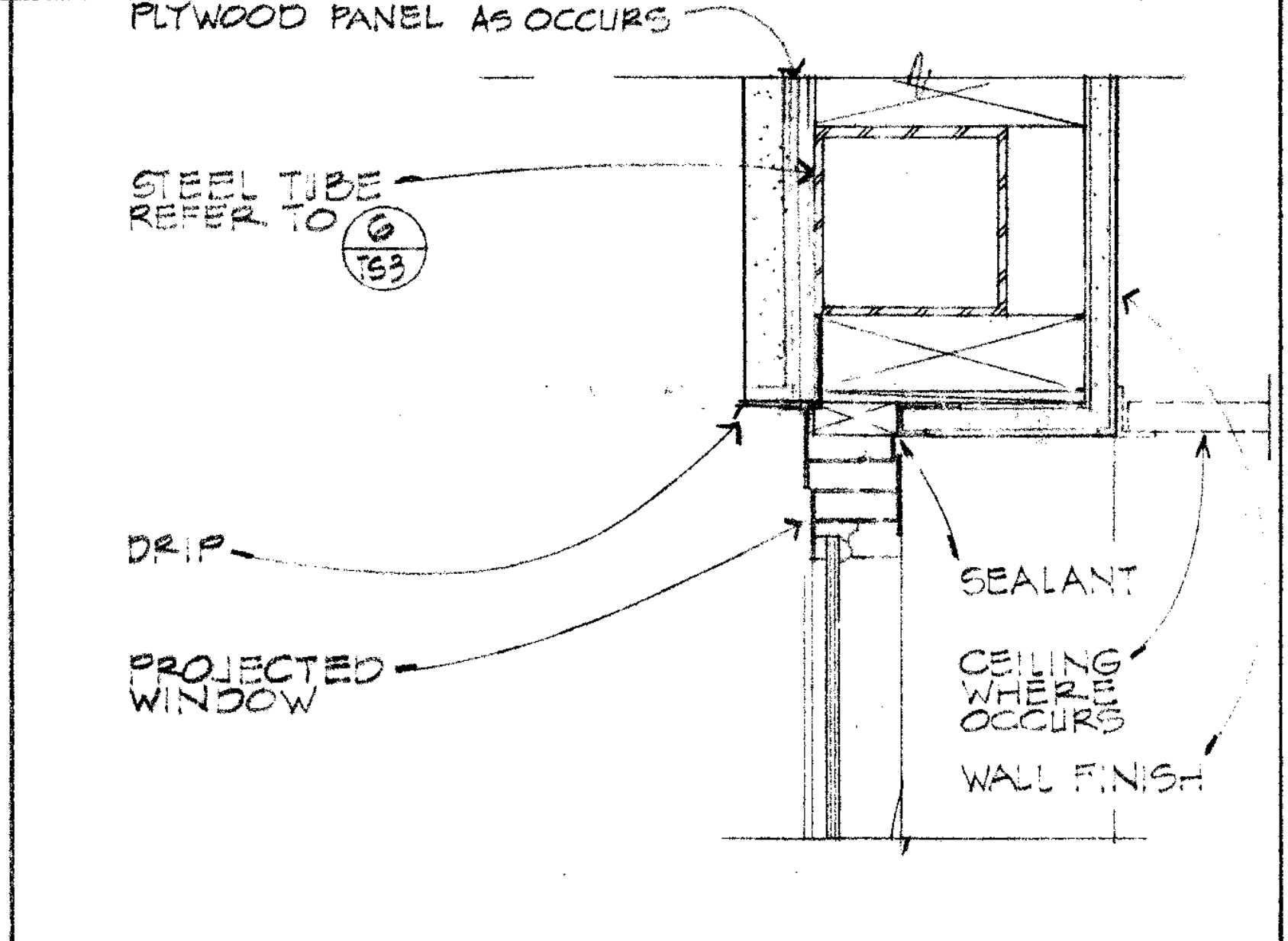
JAMB 3" **8**


FIXED GLASS
5/8"
2"
SILL BELOW
H.M. STOP
H.M. FRAME
SEALANT
NOTE: FOR ADDITIONAL INFORMATION REFER TO (10/TD6)

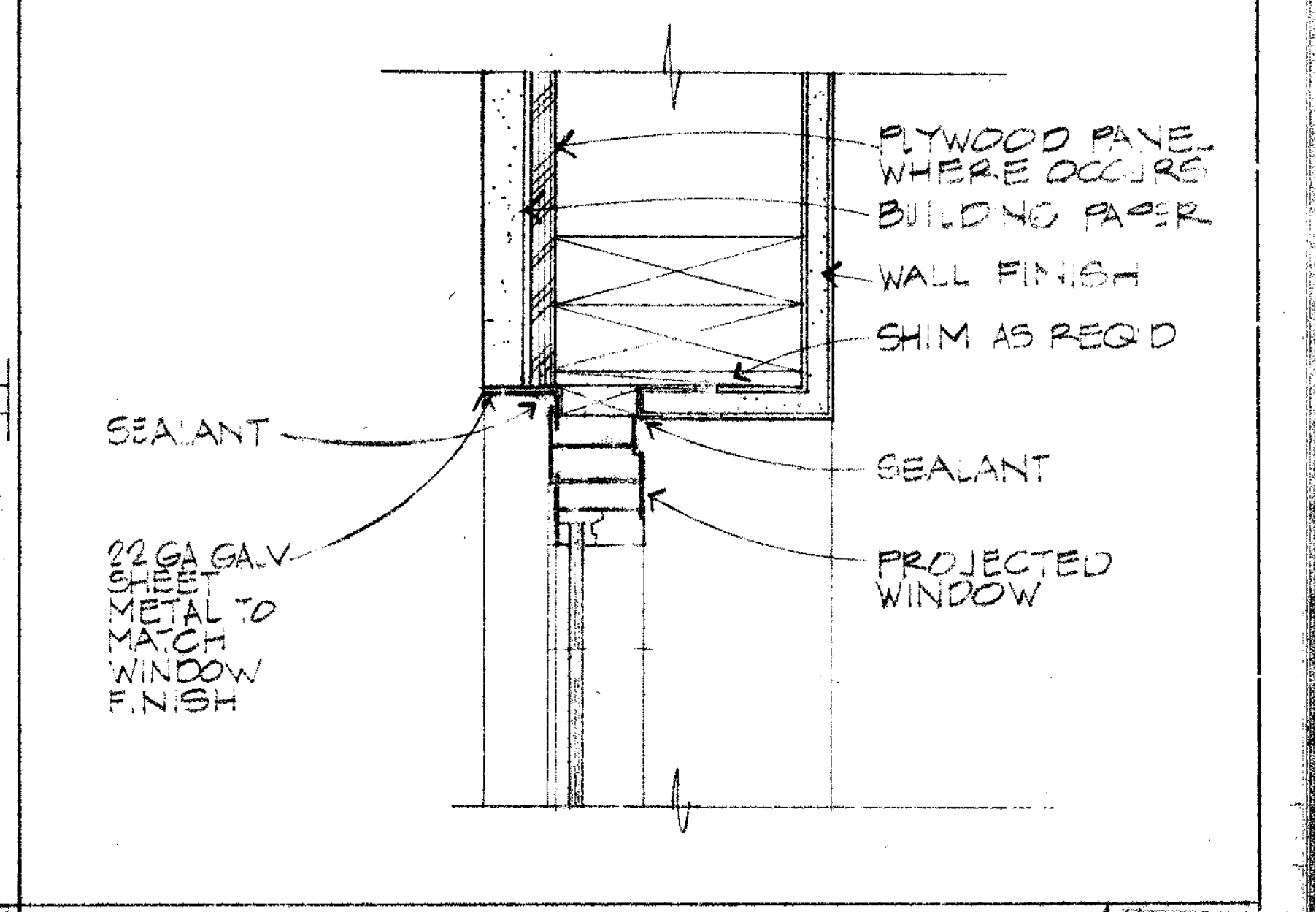
JAMB 3" **9**


5/8"
2"
1 1/2"
H.M. FRAME
GYPSUM BOARD
SEALANT
PROJECTED WINDOW
SEALANT
SILL BELOW
.060 SHT ALUM FINISH TO MATCH WINDOW
SEALANT

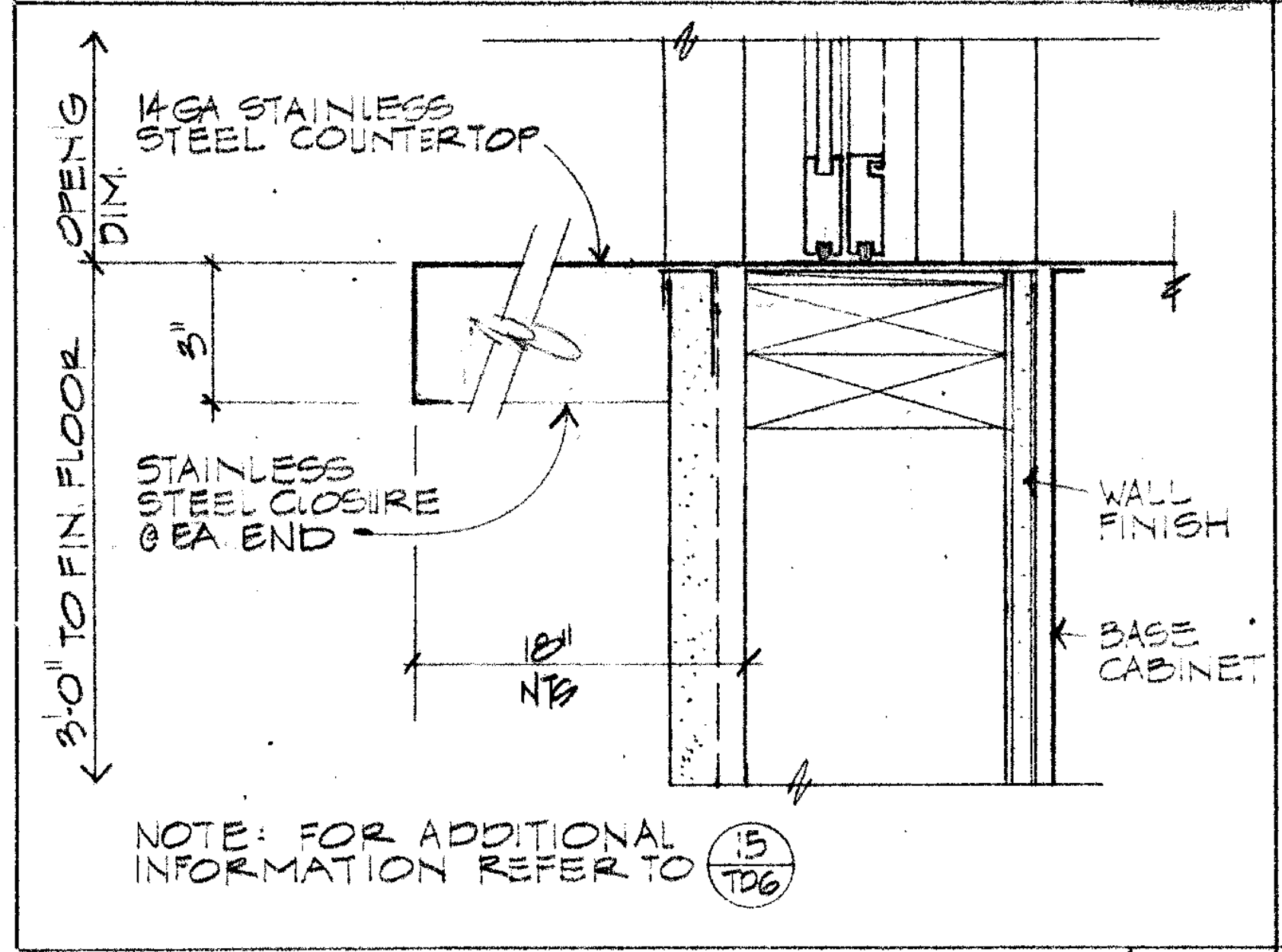
JAMB 3" **10**


PLYWOOD PANEL AS OCCURS
STEEL TUBE REFER TO (6/TS3)
DRIP
PROJECTED WINDOW
SEALANT
CEILING WHERE OCCURS
WALL FINISH

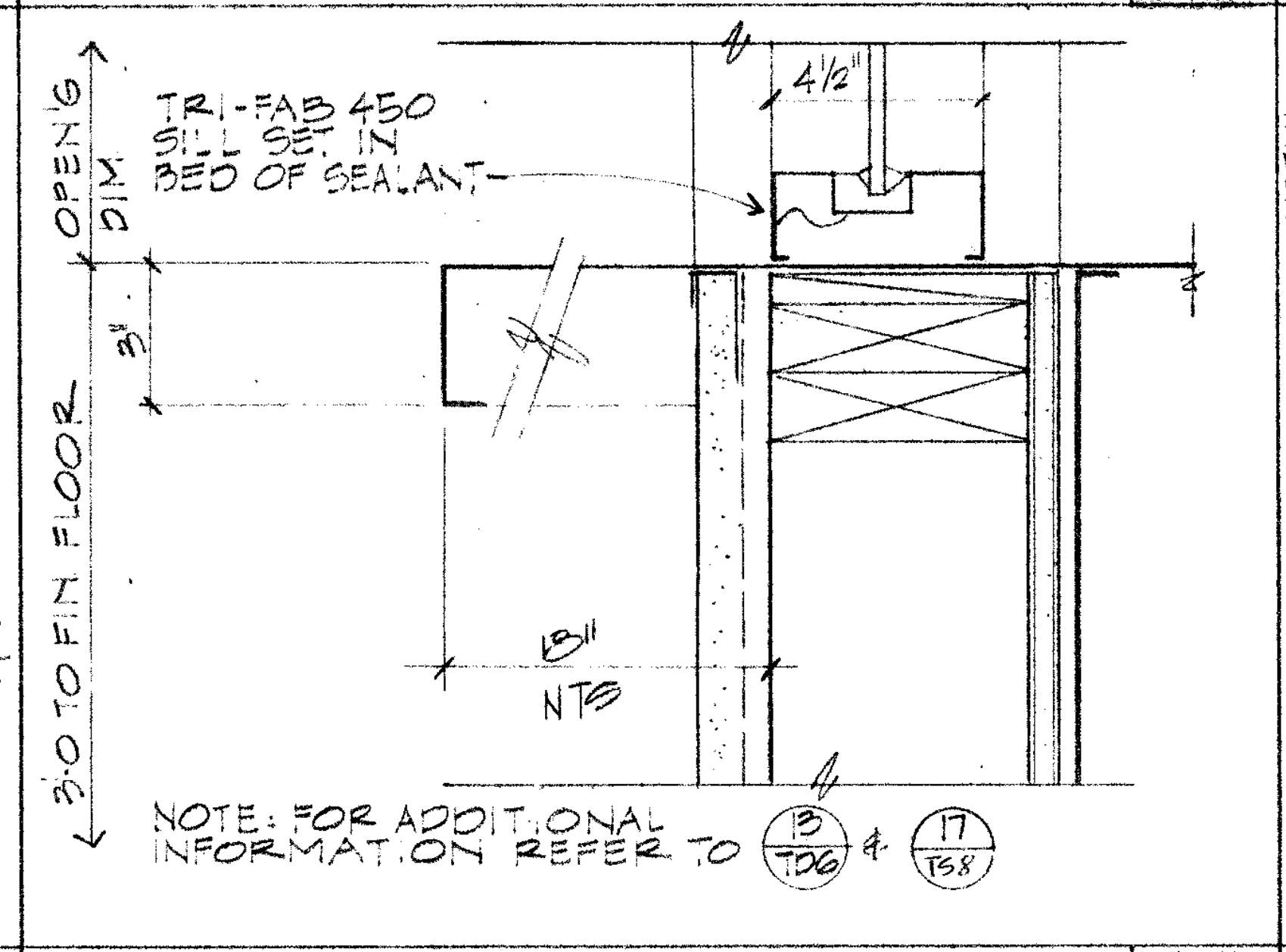
HEAD 3" **11**


PLYWOOD PANEL WHERE OCCURS
BUILDING PAPER
WALL FINISH
SHIM AS REQ'D
SEALANT
SEALANT
22 GA GALV SHEET METAL TO MATCH WINDOW FINISH
PROJECTED WINDOW

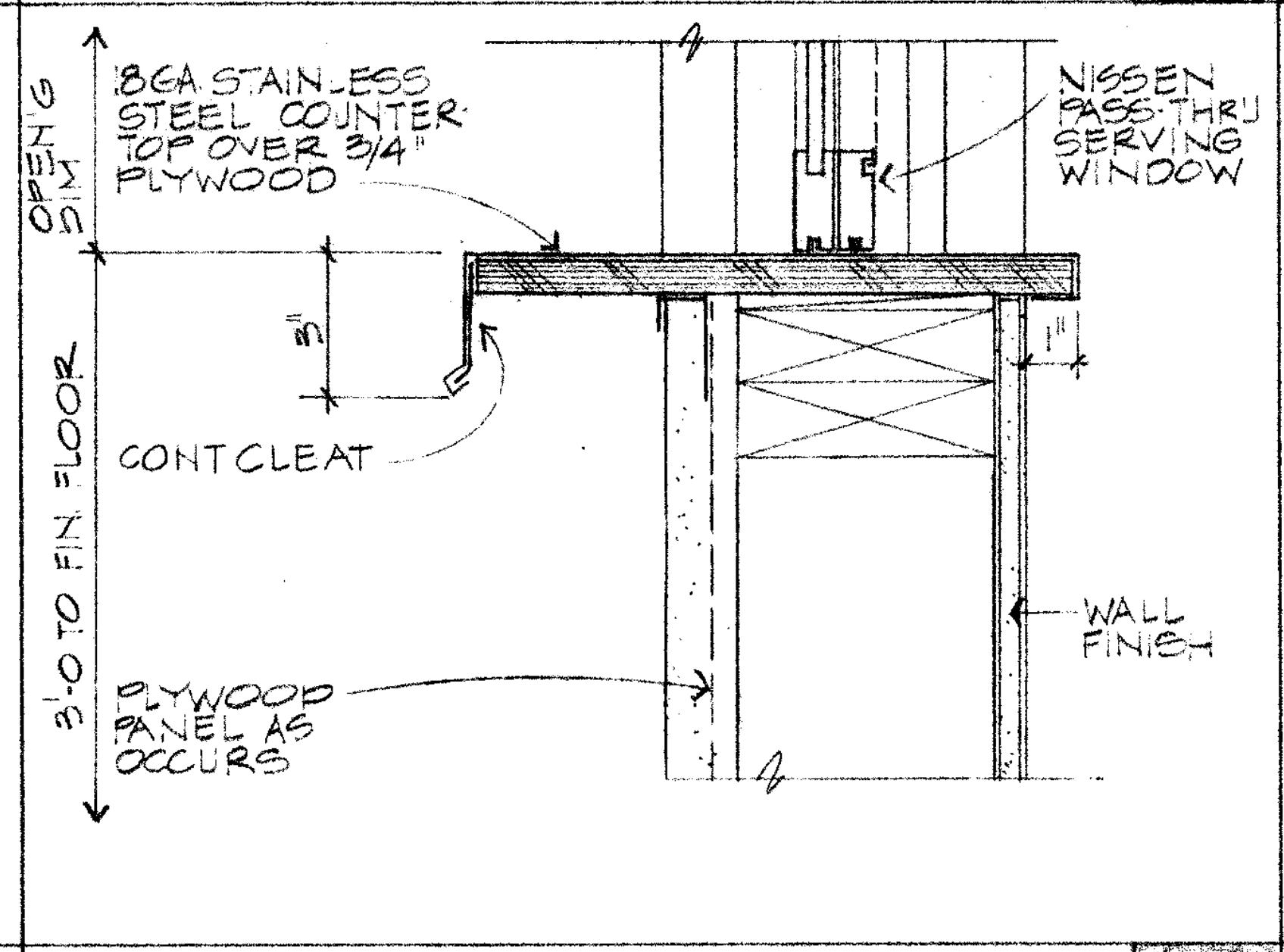
JAMB 3" **12**


OPENING DIM.
16 GA STAINLESS STEEL COUNTERTOP
3"
STAINLESS STEEL CLOSURE @ EA END
3'-0" TO FIN. FLOOR
WALL FINISH
BASE CABINET
1/8"
NTS
NOTE: FOR ADDITIONAL INFORMATION REFER TO (15/TD6)

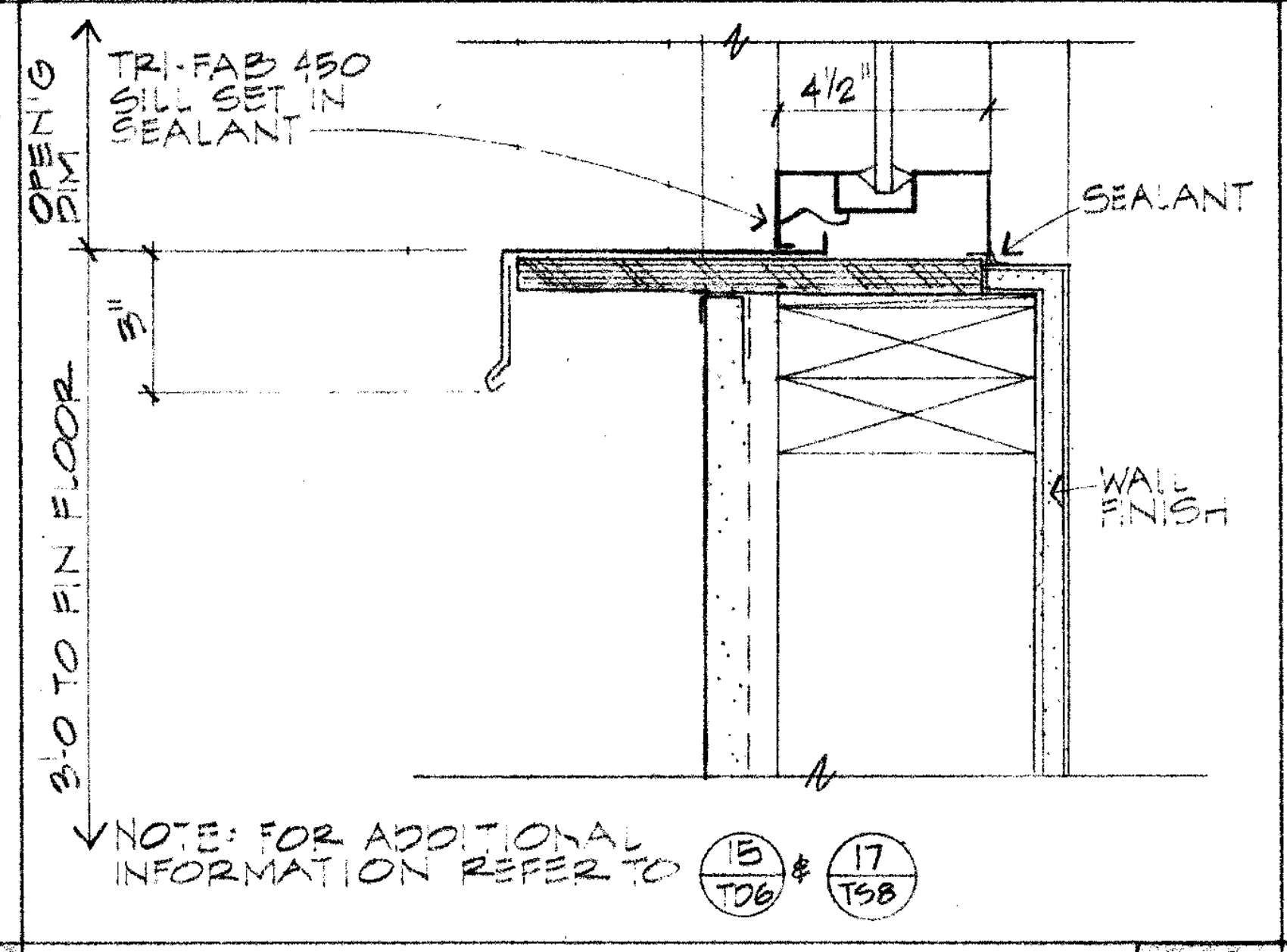
SILL @ COUNTERTOP 3" **13**


OPENING DIM.
TRI-FAB 450 SILL SET IN BED OF SEALANT
4 1/2"
3"
3'-0" TO FIN. FLOOR
1/8"
NTS
NOTE: FOR ADDITIONAL INFORMATION REFER TO (13/TD6) & (17/TS8)

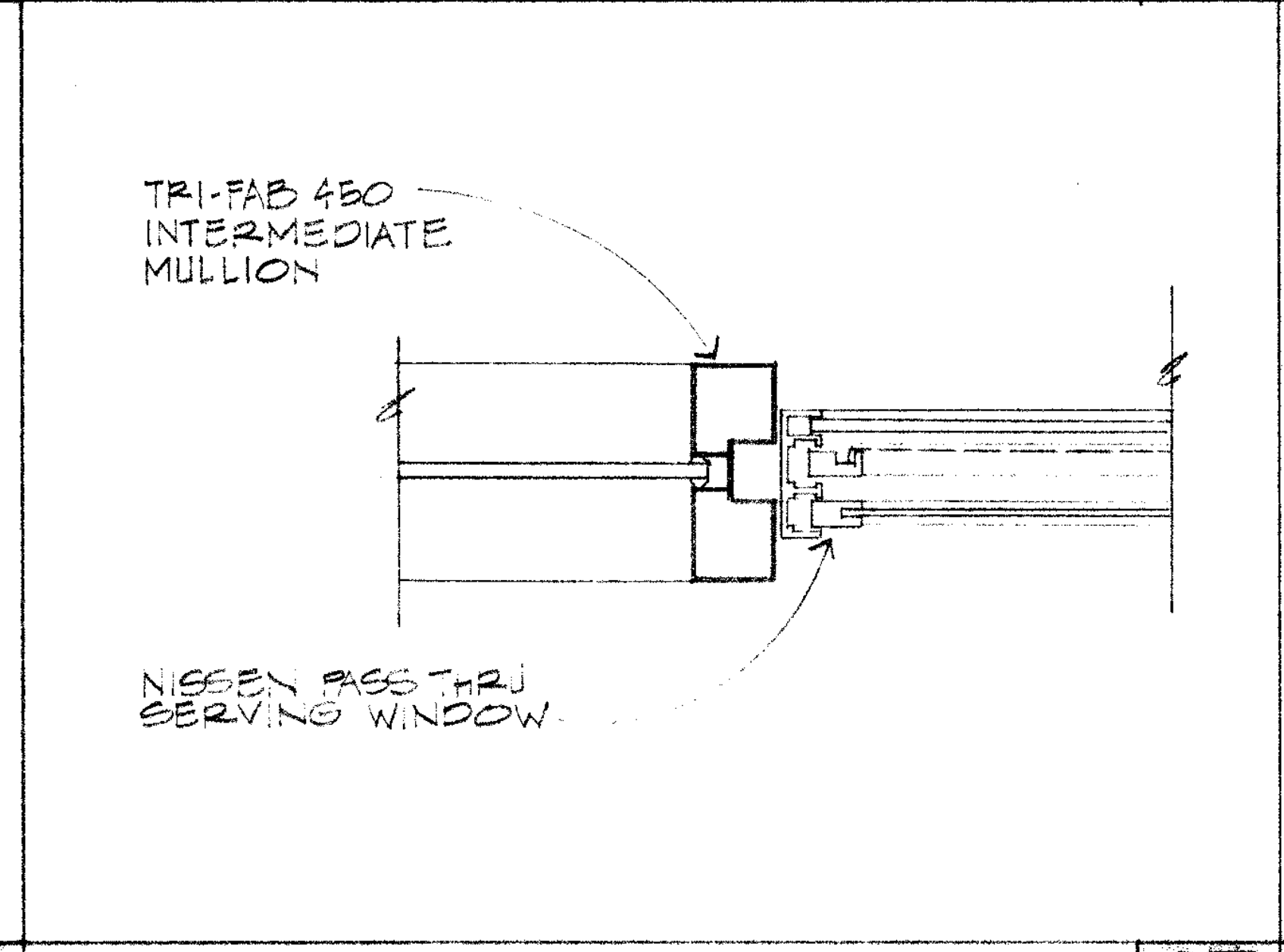
SILL @ COUNTERTOP 3" **14**


OPENING DIM.
18 GA STAINLESS STEEL COUNTER TOP OVER 3/4" PLYWOOD
NISSEN PASS THRU SERVING WINDOW
3"
CONT CLEAT
3'-0" TO FIN. FLOOR
PLYWOOD PANEL AS OCCURS
WALL FINISH
NOTE: FOR ADDITIONAL INFORMATION REFER TO (15/TD6) & (17/TS8)

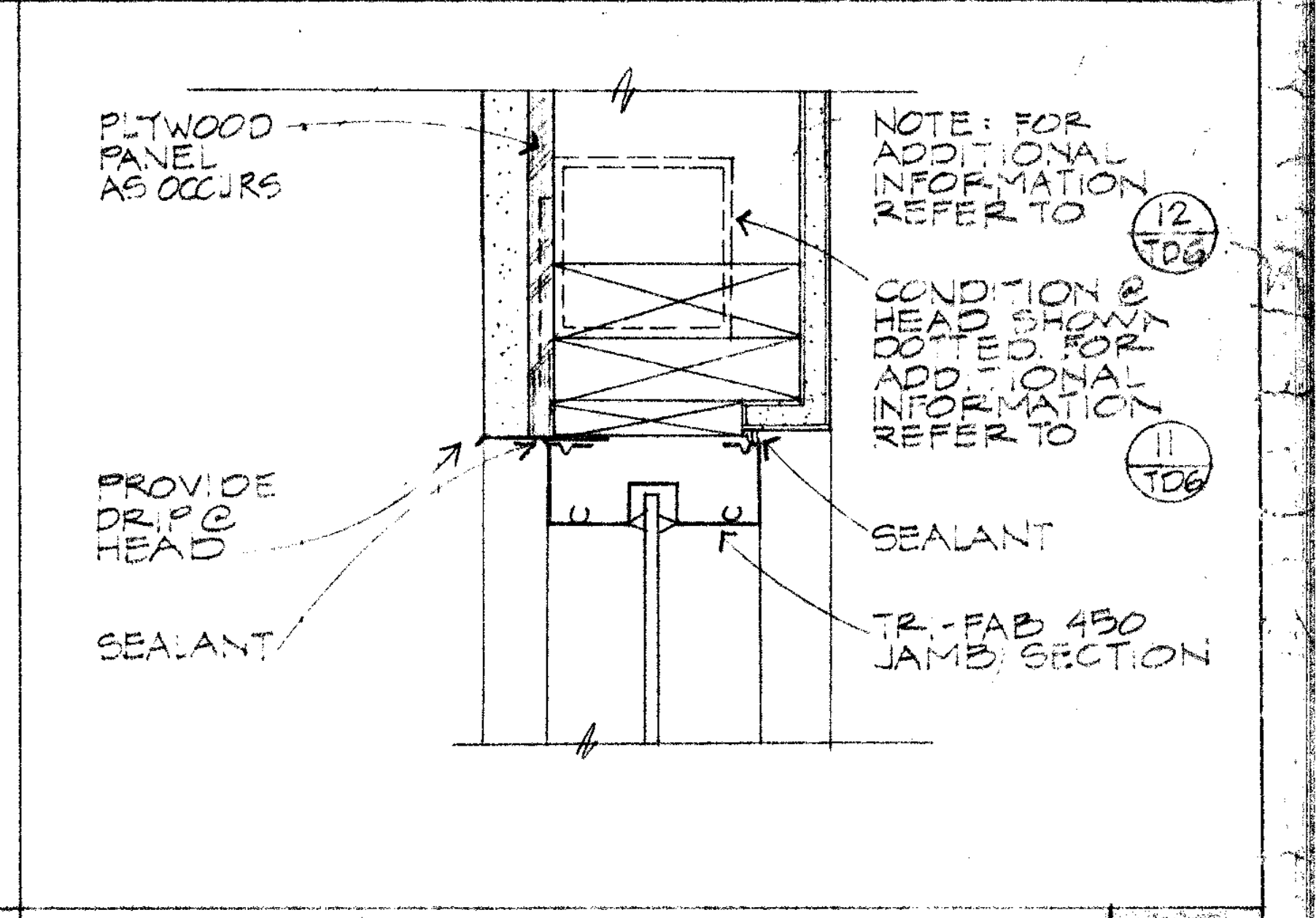
SILL @ PASS THRU 3" **15**


OPENING DIM.
TRI-FAB 450 SILL SET IN SEALANT
4 1/2"
SEALANT
3"
3'-0" TO FIN. FLOOR
WALL FINISH
NOTE: FOR ADDITIONAL INFORMATION REFER TO (15/TD6) & (17/TS8)

SILL @ PASS THRU 3" **16**


TRI-FAB 450 INTERMEDIATE MULLION
NISSEN PASS THRU SERVING WINDOW

MULLION 3" **17**


PLYWOOD PANEL AS OCCURS
NOTE: FOR ADDITIONAL INFORMATION REFER TO (12/TD6)
CONDITION @ HEAD SHOWN DOTTED. FOR ADDITIONAL INFORMATION REFER TO (11/TD6)
PROVIDE DRIP @ HEAD
SEALANT
SEALANT
TRI-FAB 450 JAMB SECTION

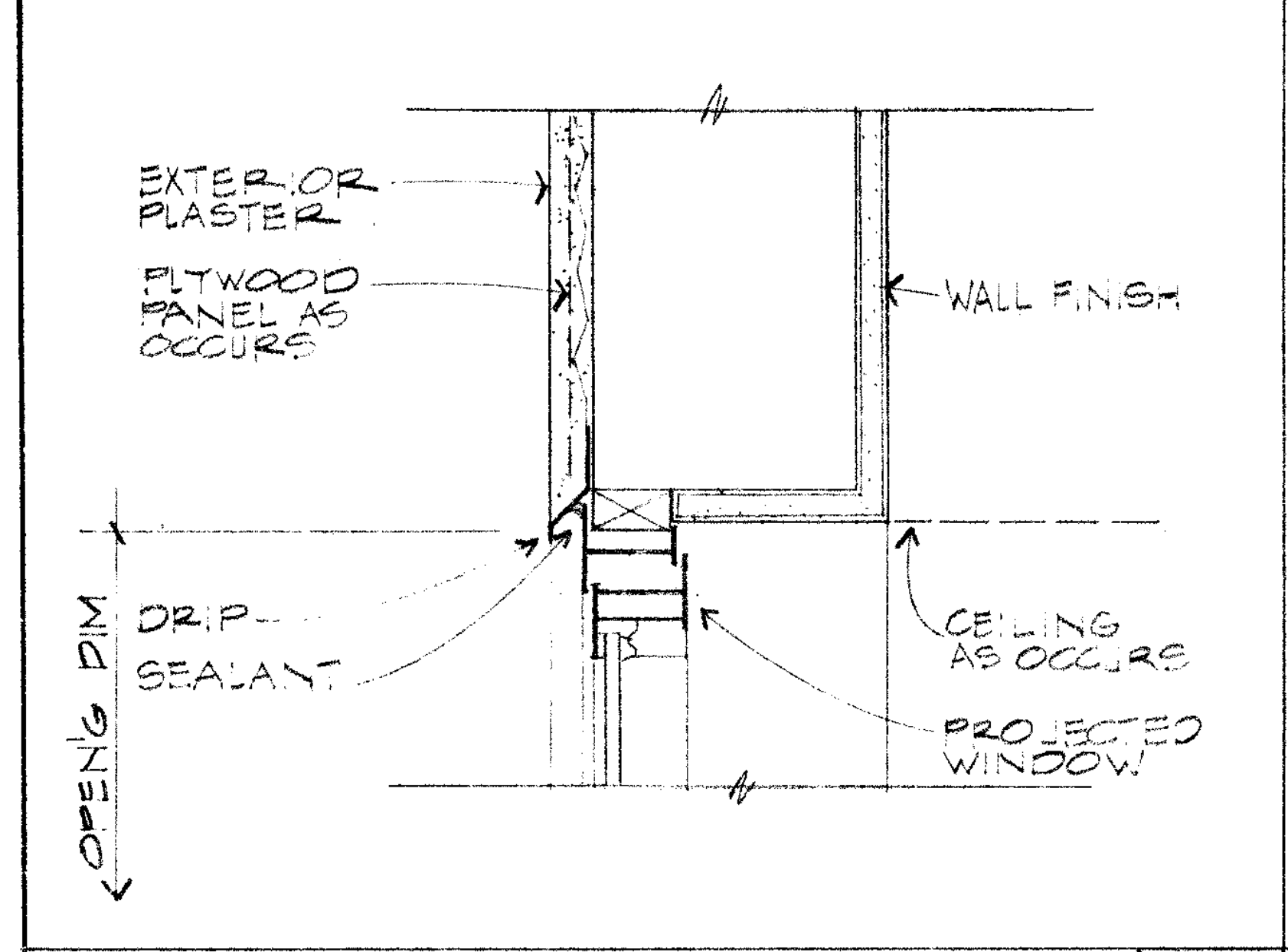
JAMB (HEAD SIM.) 3" **18**

ROOM #	DESCRIPTION	COUNTER/ BACKSPLASH	BASE	OPEN SHELVING	CABINET FRONT	SEE NOTE
108	SHELVING	-	-	PLYWD	-	
110	SHELVING	-	-	PLYWD	-	
102A	CASEWORK	PL 1	X	PL 1	PL 1	
103A	CASEWORK	PL 1	X	-	-	
106A	SHELVING	-	-	PLYWD	-	
126A	SHELVING	-	-	PL 3	-	
131A	CASEWORK	PL 1	X	-	PL 1	
133A	SHELV./WARDROBE	-	-	PLYWD	-	
135A	SHELVING	-	-	PLYWD	-	
138A	SHELV./WARDROBE	-	-	PLYWD	-	
138A	CASEWORK	PL 1	X	PL 1	PL 1	
139A	CASEWORK	-	-	-	-	3
145A	SHELVING	-	X	PLYWD	-	
149A	CASEWORK	PL 2	X	PL 2	PL 2	
151A	CASEWORK	PL 2	X	PL 2	PL 2	
201	RECEP. DESK	WD 1/PL 1	PL 1	-	T 1/PL 1	
202	CASEWORK	PL 2	X	-	PL 2	
203	CASEWORK	PL 2	X	-	PL 2	
204	CASEWORK	PL 2	X	PL 2	PL 2	
209	CASEWORK	PL 2	X	PL 2	PL 2	
210	CASEWORK	PL 2	X	PL 2	-	
213	SHELVING	-	-	PLYWD	-	
216	CASEWORK	PL 1	X	PL 1	PL 1	
217	CASEWORK	PL 1	X	PL 1	PL 1	
224	CASEWORK	-	WD 1	WD 1	WD 1	
225	CASEWORK	PL 1	X	PL 1	-	
226	CASEWORK	PL 1	X	PL 1	-	
233	RECEP.DESK	PL 1	X	PL 1	PL 1/WD 1	
235	SHELVING	-	-	PLYWD	-	
236	SHELV./WARDROBE	-	-	PLYWD	-	
303	CASEWORK	PL 1	X	-	PL 1	
304	CASEWORK	PL 1	X	PL 1	PL 1	
305	CASEWORK	PL 1	X	PL 1	PL 1	
306	CASEWORK	PL 3	X	-	PL 3	
307	CASEWORK	PL 1	X	-	PL 1	
308	CASEWORK	PL 1	X	PL 1	PL 1	
309	CASEWORK	PL 1	X	-	PL 1	
310	SHELVING	-	-	PLYWD	-	
311	SHELVING	-	-	PLYWD	-	
409	CASEWORK	PL 2	X	-	PL 2	
410	CASEWORK	PL 1	X	-	PL 1	
412	CASEWORK	PL 1	X	PL 1	-	
413	CASEWORK	PL 1	X	PL 1	-	
414	CASEWORK	PL 1	X	PL 1	-	
415	CASEWORK	PL 1	X	-	PL 1	
421	CASEWORK	PL 1	X	-	PL 1	
501	CASEWORK	PL 1	X	PL 1	-	
503	SHELVING	-	-	PLYWD	-	
504	CASEWORK	PL 2	X	-	PL 2	
506	CASEWORK	GM 1	X	PLYWD	-	
507	CASEWORK	-	PLYWD	PLYWD	-	
601	CASEWORK	PL 4	X	PL 4	PL 4/VTS 1	
603	CASEWORK	PL 4	X	-	PL 4/VTS 1	
605	CASEWORK	PL 4	X	PL 4	PL 4	
606	SHELVING	-	-	PLYWD	-	
609	CASEWORK	-	X	-	PL 4/VTS 1	
610	CASEWORK	PL 4	X	PL 4	PL 4	
611	SHELVING	-	-	PLYWD	-	
612	CASEWORK	-	X	-	PL 4/VTS 1	
613	CASEWORK	PL 5	-	-	PL 6	2
615	CASEWORK	PL 3	X	PLYWD	PL 3	
616	CASEWORK	PL 5	-	PL 6	PL 6	2
618	CASEWORK	PL 4	X	-	PL 4/VTS 1	
711	CASEWORK	-	-	PLYWD	-	
801	CASEWORK	PL 4	X	PL 2	PL 2	
802	CASEWORK	PL 1	X	-	PL 1	
806	CASEWORK	-	X	-	PL 1	
807	CASEWORK	PL 4	X	PL 2	PL 2	
808	CASEWORK	PL 2	X	PL 2	PL 2	
810	SHELVING	-	-	PLYWD	-	
1001	CASEWORK	PL 1	X	-	PL 1	
1003	CASEWORK	PL 3	X	PL 3	PL 3	
1004	SHELVING	-	-	PLYWD	-	
1005	SHELVING	-	-	PLYWD	-	
1012	CASEWORK	-	X	-	PL 3	
1014	CASEWORK	PL 1	X	PL 1	PL 1	
1015	CASEWORK	PL 1	X	PL 1	PL 1	
1016	CASEWORK	PL 5	X	PL 6	PL 6	
1017	CASEWORK	PL 1	X	PLYWD	PL 1	
1018	CASEWORK	PL 2	X	PL 2	-	
1019	CASEWORK	PL 1	X	-	PL 1	
1020	CASEWORK	PL 1/WD 1	X	PL 2	PL 2	
1022	CASEWORK	PL 1	X	PL 1	PL 1	
1023	CASEWORK	PL 1	X	PL 1	PL 1	
1029	SHELV./CASEWK	PL 1	X	PL 1	PL 1	
1005A	CASEWORK	PL 2/WD 1	X	PL 2	PL 2	
1009A	CASEWORK	PL 2	X	-	PL 2	
1014A	SHELVING	-	X	PLYWD	-	
1201	CASEWORK	K 1	-	WD 2	WD 2	
1202	CASEWORK	K 1	-	WD 2	WD 2	
1203	CASEWORK	K 1	-	WD 2	WD 2	
1205	CASEWORK	K 1	-	WD 2	WD 2	
1208	CASEWORK	K 1	-	WD 2	WD 2	
1210	CASEWORK	K 1	-	WD 2	WD 2	
1211	CASEWORK	K 1	-	WD 2	WD 2	
1212	CASEWORK	K 1	-	WD 2	WD 2	
1213	CASEWORK	PL 3	X	PL 3	PL 3	
1216	SHELVING	-	-	PLYWD	-	
1307	CASEWORK	PL 3	X	-	PL 3	
1410	SHELVING	-	-	PLYWD	-	
1412	SHELVING	-	-	PLYWD	-	

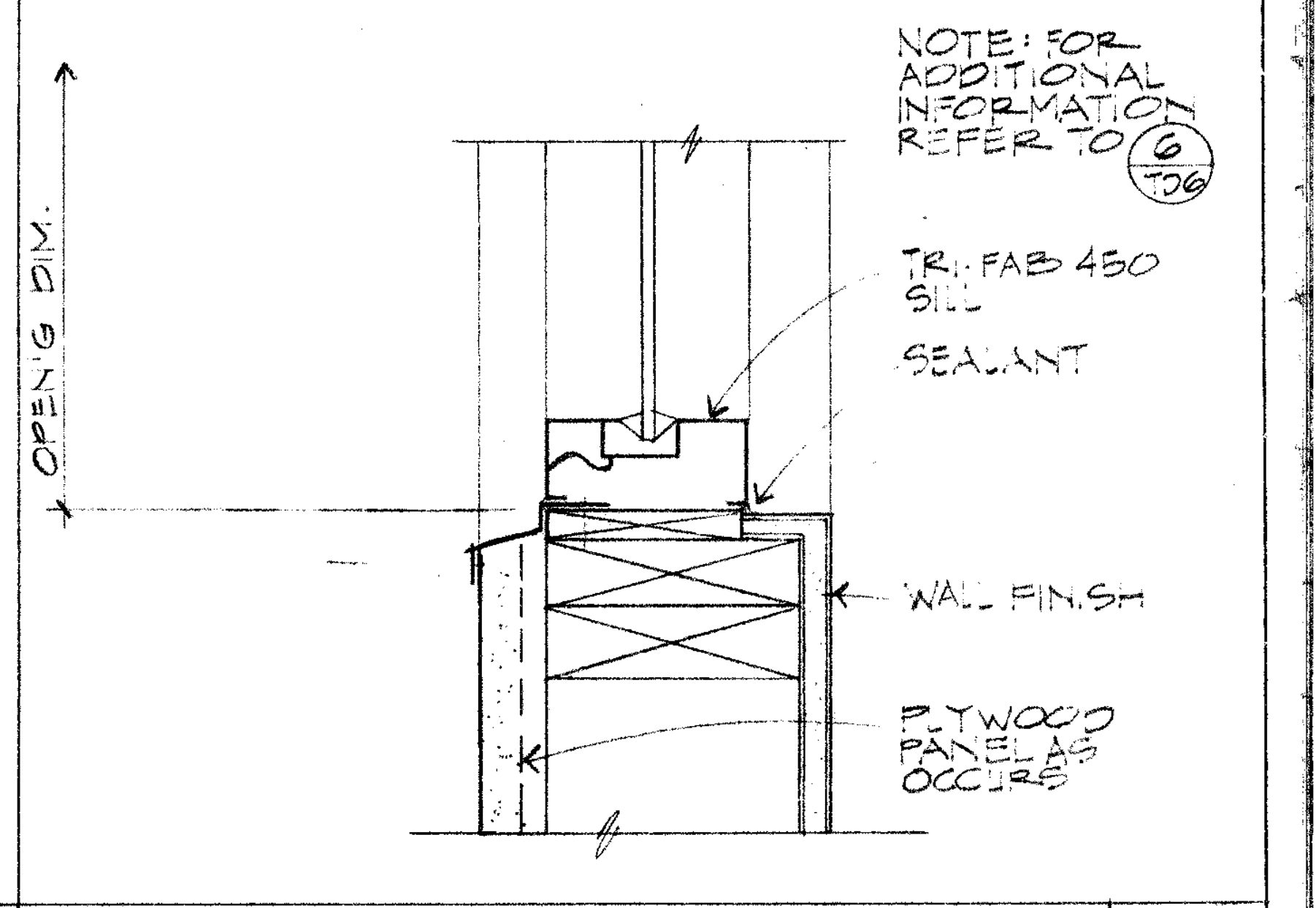
LEGEND

GM	GALVANIZED METAL
K 1	KEWAUNEE KEMRESIN TOP, BLACK (OR EQUAL)
PL 1	NEVAMAR #S-1-21T CLARET
PL 2	NEVAMAR #S-3-33T KABUKI TEAL
PL 3	NEVAMAR #S-6-18T CHINCHILLA
PL 4	WILSONART SOLICOR #D72-13 FEATHERSTONE
PL 5	PHOTO LAB FABRICATIONS NORTH SEA #D-90-6 (OR EQUAL)
PL 6	PHOTO LAB FABRICATIONS QUICKSILVER #10516 (OR EQUAL)
PLYWD	PLYWOOD, SELF EDGED W/ CLEAR MATTE POLYURETHANE FINISH.
T 1	WINONA INDUSTRIES #342 SOLID RED OAK TAMBOUR, STAIN TO MATCH SAMPLE SUBMITTED BY ARCHITECT.
VTS 1	VINYL TACK SURFACE COVERED W/ WOLF GORDON MULTITONE #MLT3-300M EMBERGLOW
WD 1	WOOD EDGE TRIM, STAIN TO MATCH COLOR SUBMITTED BY ARCHITECT.
WD 2	KEWAUNEE LIGHT GOLDEN OAK (OR EQUAL)
X	BASE TO BE UNFINISHED

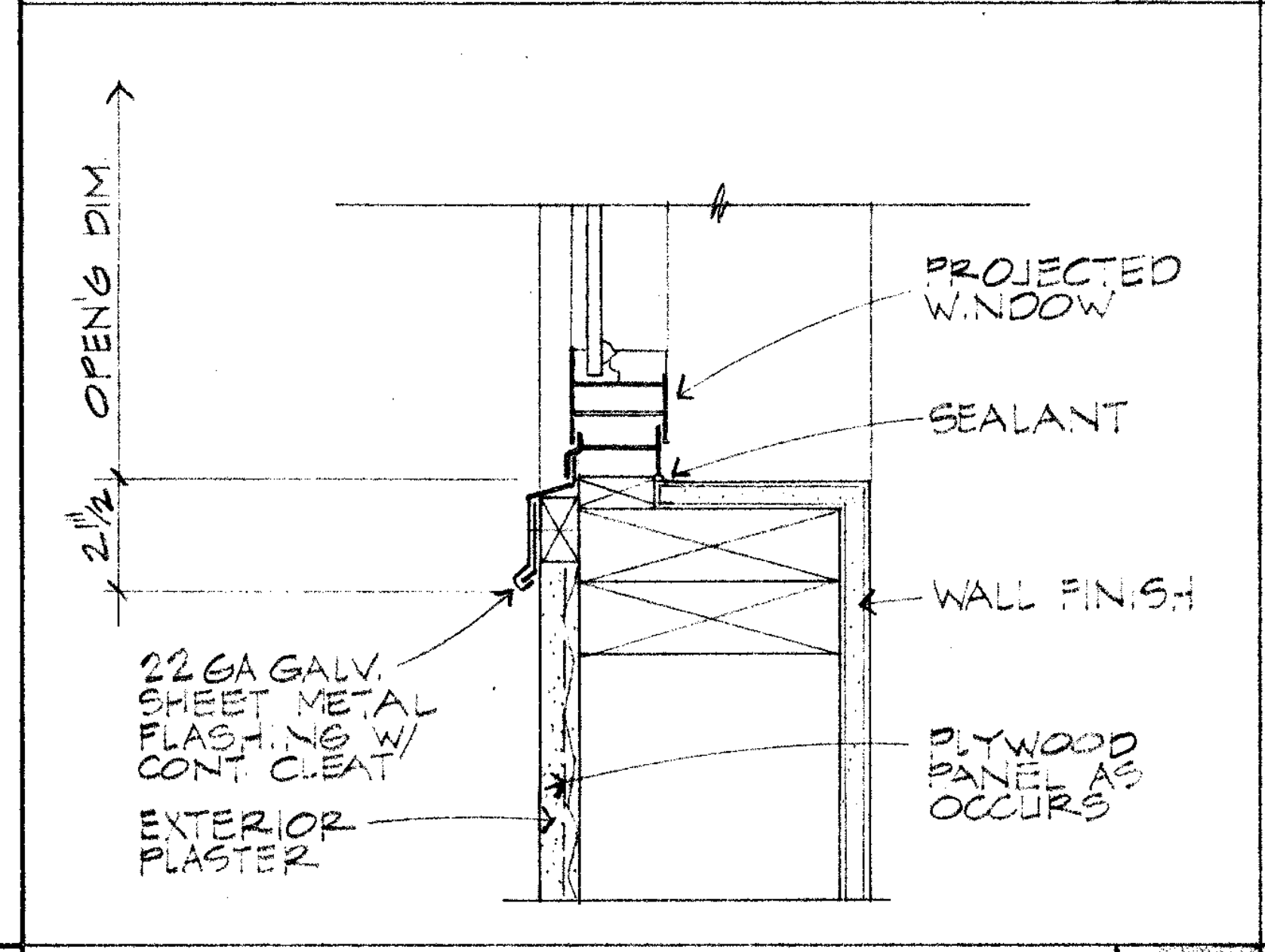
CABINETRY FINISH SCHEDULE **28**


EXTERIOR PLASTER
PLYWOOD PANEL AS OCCURS
WALL FINISH
DRIP
SEALANT
CEILING AS OCCURS
PROJECTED WINDOW
OPENING DIM.

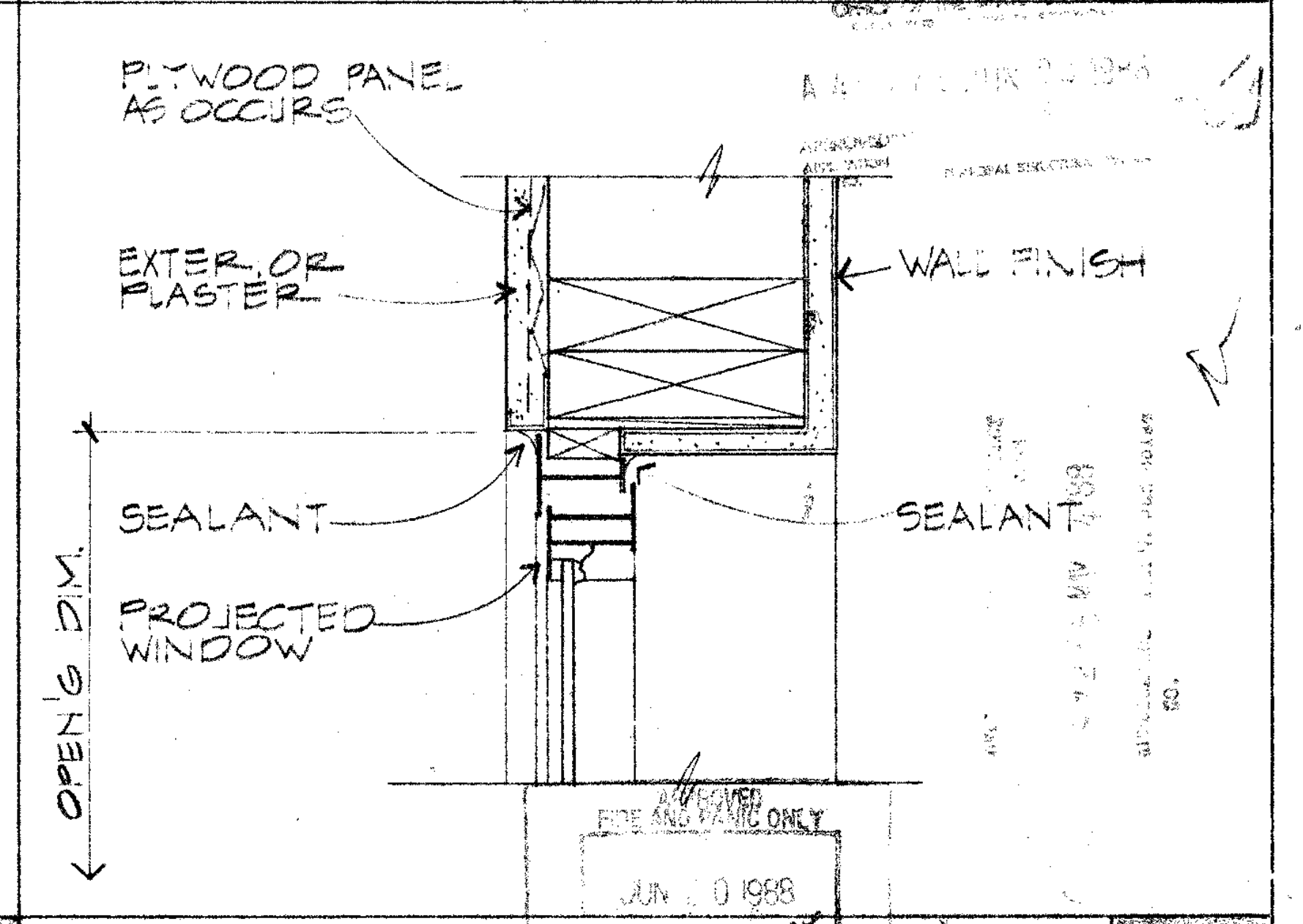
HEAD **19**


NOTE: FOR ADDITIONAL INFORMATION REFER TO (6/TD6)
OPENING DIM.
TRI-FAB 450 SILL
SEALANT
WALL FINISH
PLYWOOD PANEL AS OCCURS

SILL 3" **20**


OPENING DIM.
PROJECTED WINDOW
SEALANT
2 1/2"
WALL FINISH
22 GA GALV. SHEET METAL FLASHING W/ CONT. CLEAT
PLYWOOD PANEL AS OCCURS
EXTERIOR PLASTER

SILL **21**


PLYWOOD PANEL AS OCCURS
EXTERIOR PLASTER
WALL FINISH
SEALANT
SEALANT
PROJECTED WINDOW
OPENING DIM.

APPROVED FIRE AND PANIC ONLY
JUN 10 1988
BJ
STATE FIRE MARSHAL SOUTHERN REGION

JAMB **22**

Drawn By
Checked By
Date
Commission No 1-30-05

Revisions
BID JANUARY 1991

RUHNAU RUHNAU TODD/ASSOCIATES Architects Planners
3775 Tenth Street
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5751 Palmer Way, Suite C
Carlsbad, CA 92008-1995
619/438-5899

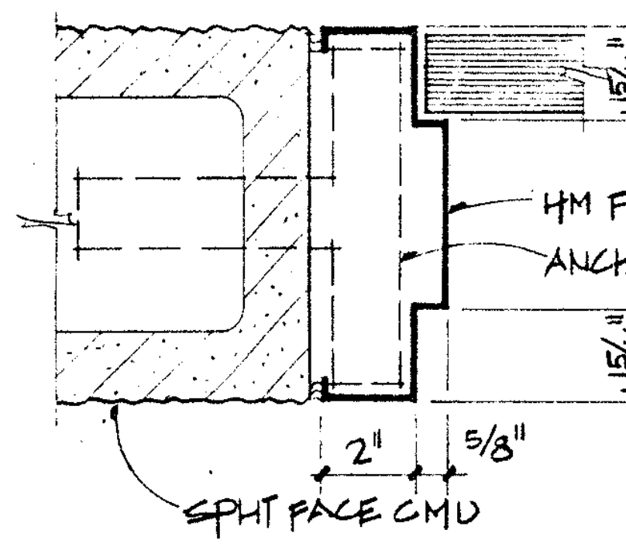
ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

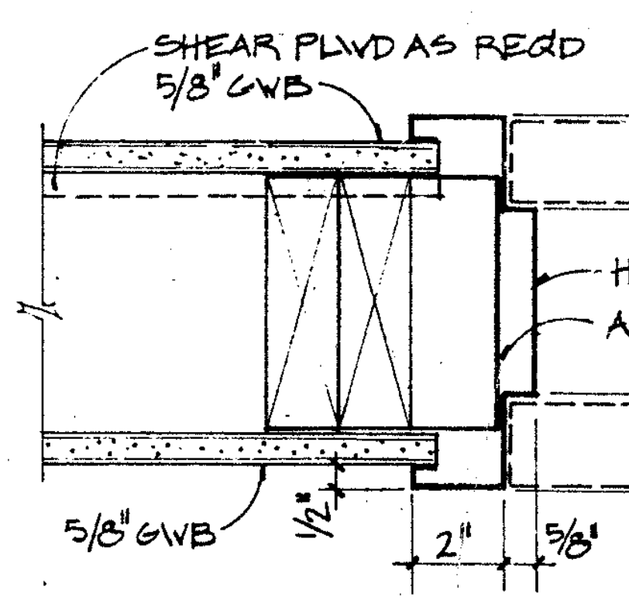
Window Details & Cabinet Finish Schedule

Sheet Number
TD-6
23 Of Sheets

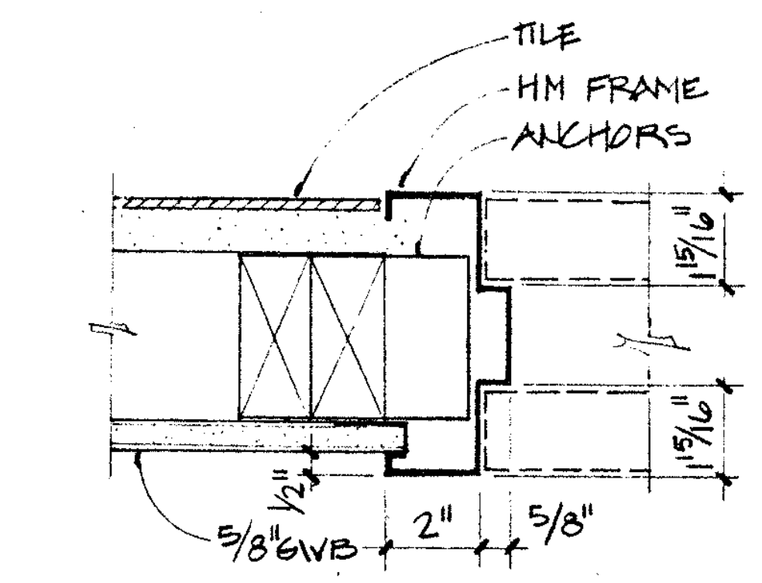
INCREMENT 2


15/16"
HM FRAME
ANCHORS
15/16"
2"
5/8"
SPLIT FACE CMU

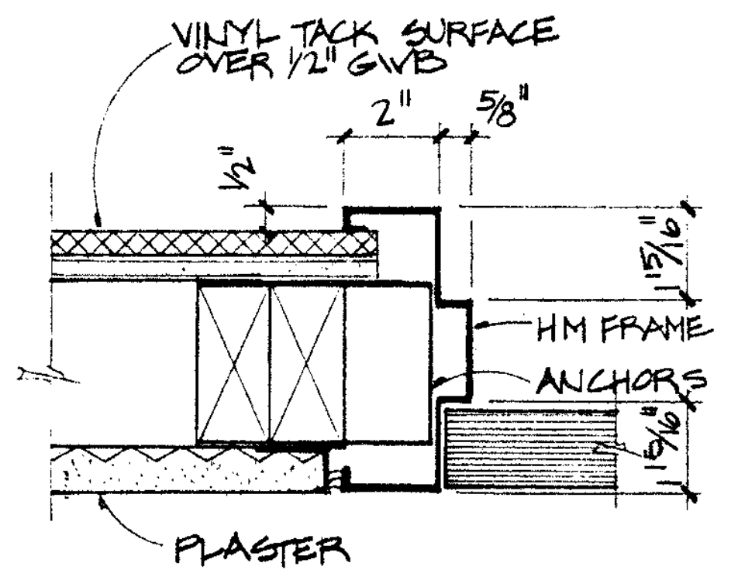
JAMB/HEAD 3" 1


SHEAR PLWD AS REQD
5/8" GWB
HM FRAME
ANCHORS
15/16"
15/16"
5/8" GWB
1/2"
2"
5/8"

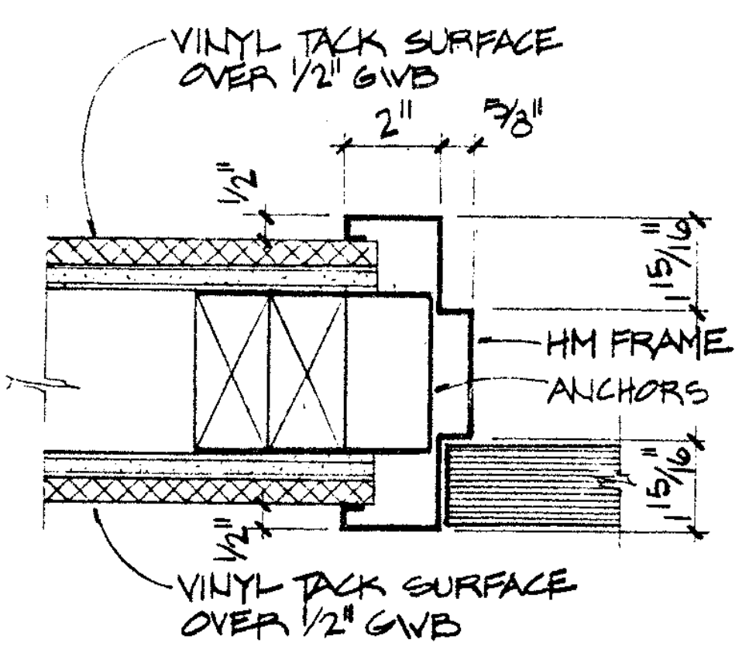
JAMB/HEAD 3" 2


TILE
HM FRAME
ANCHORS
15/16"
15/16"
1/2"
5/8" GWB
2"
5/8"

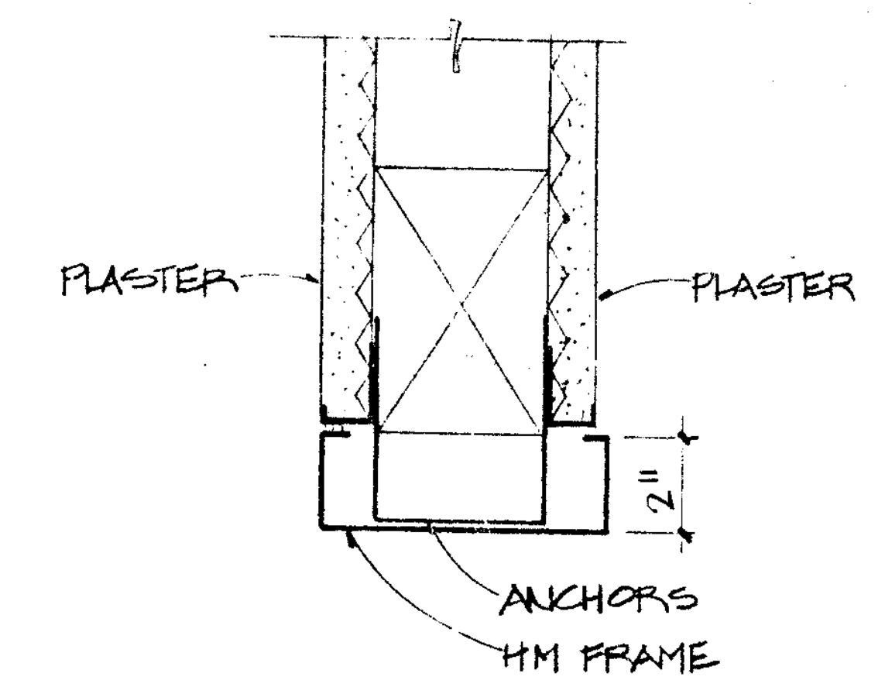
JAMB/HEAD 3" 3


VINYL TACK SURFACE OVER 1/2" GWB
2"
5/8"
1/2"
15/16"
HM FRAME
ANCHORS
15/16"
PLASTER

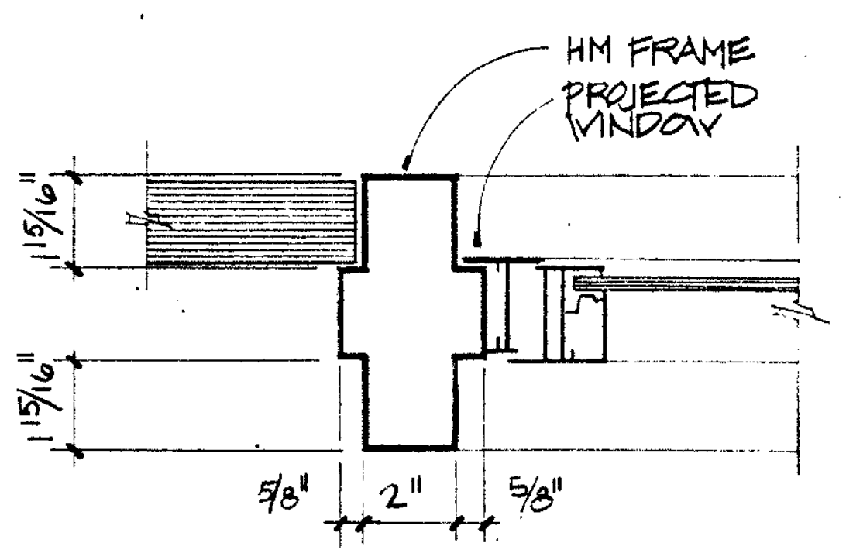
JAMB/HEAD 3" 4


VINYL TACK SURFACE OVER 1/2" GWB
2"
5/8"
1/2"
15/16"
HM FRAME
ANCHORS
15/16"
1/2"
VINYL TACK SURFACE OVER 1/2" GWB

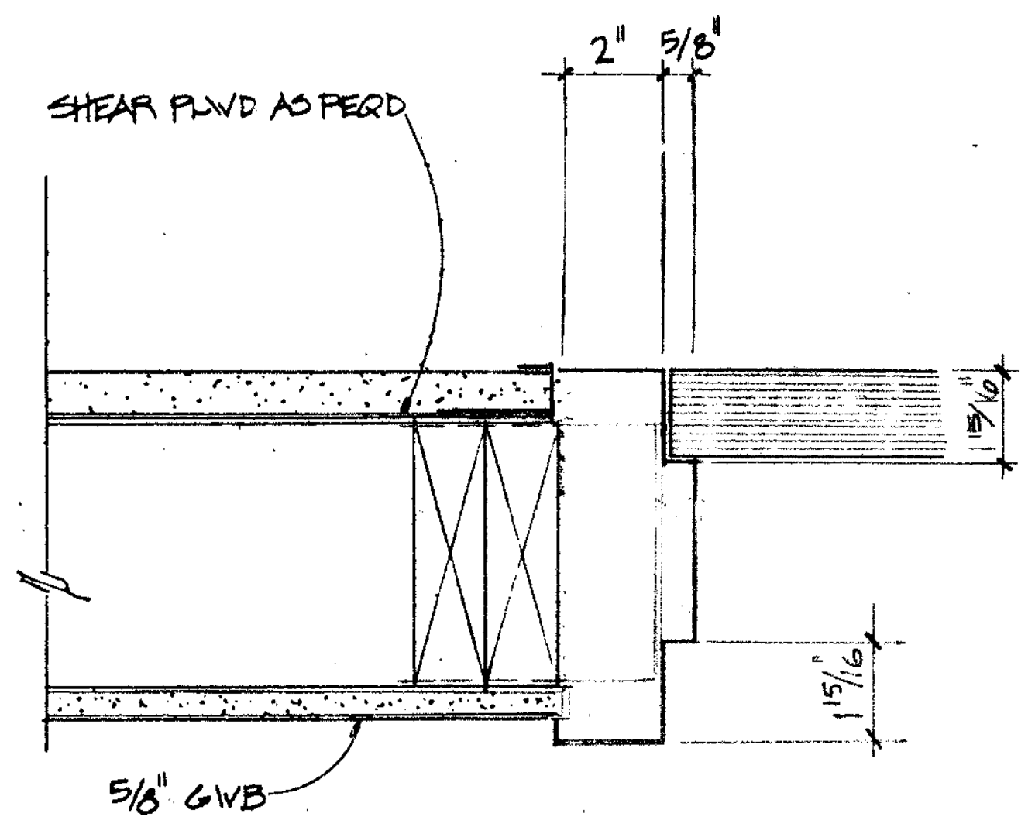
JAMB/HEAD 3" 5


PLASTER
PLASTER
2"
ANCHORS
HM FRAME

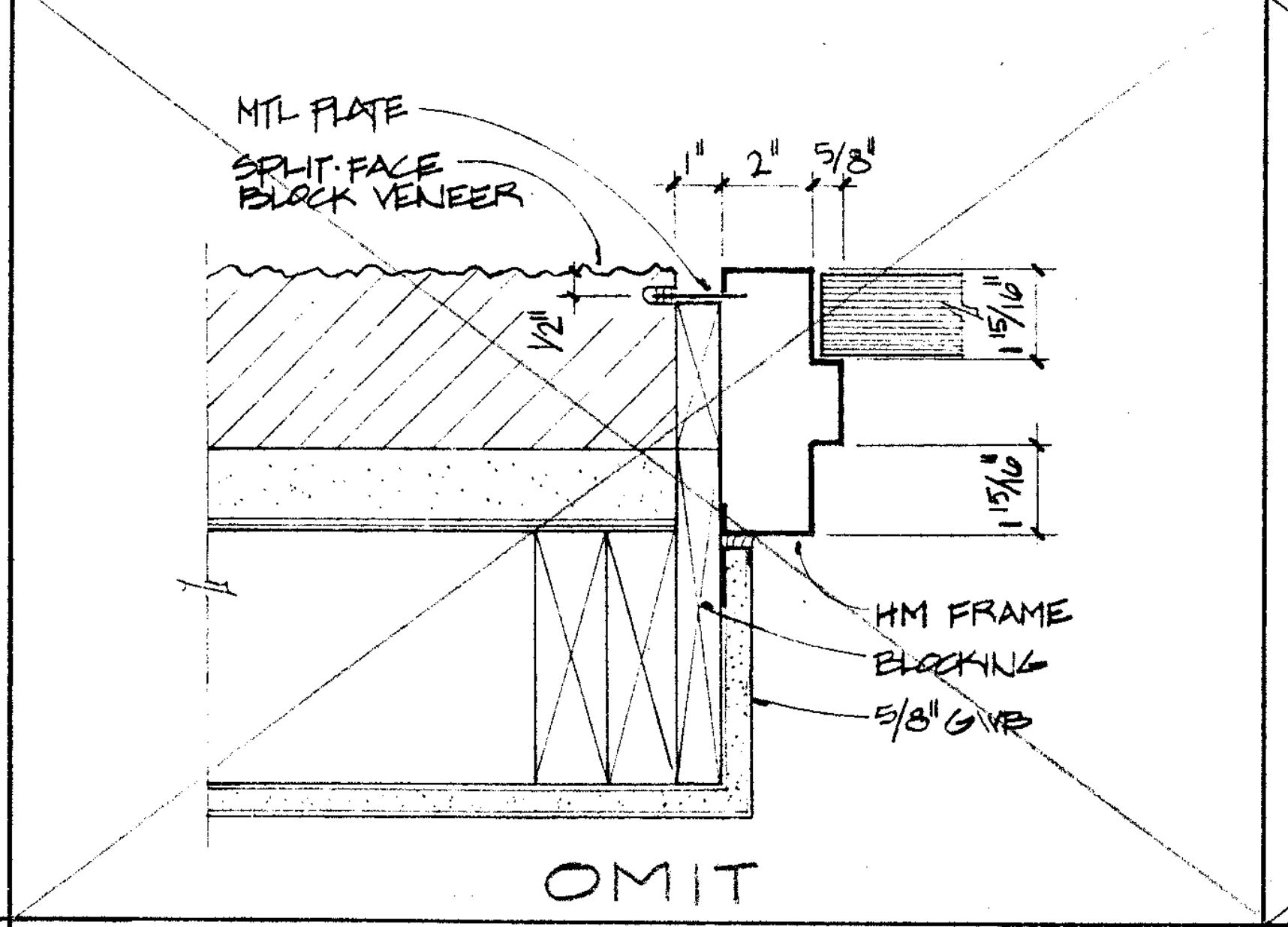
HEAD 3" 6


HM FRAME
PROJECTED WINDOW
15/16"
15/16"
5/8"
2"
5/8"

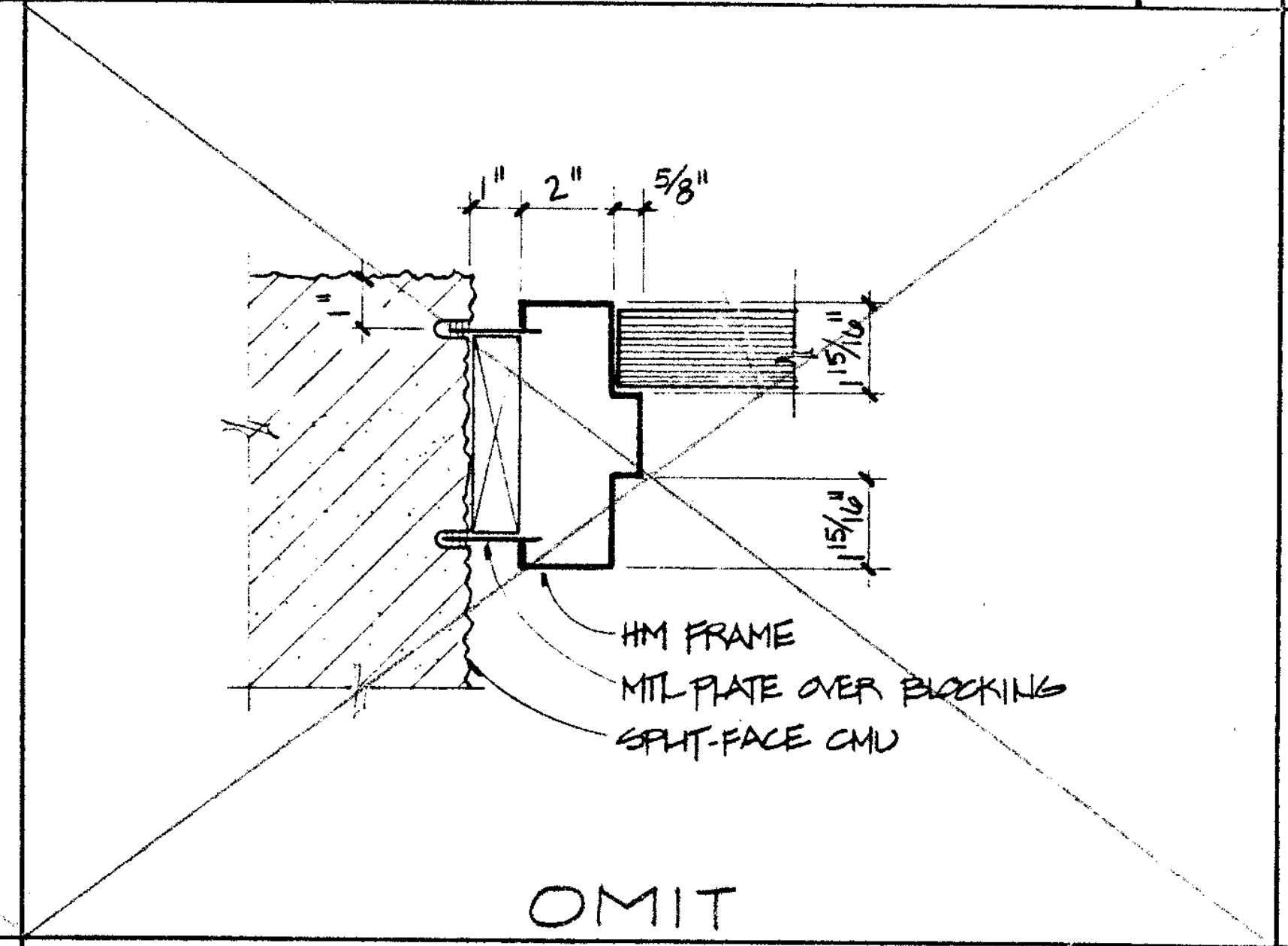
JAMB/HEAD 3" 7


2"
5/8"
SHEAR PLWD AS REQD
15/16"
15/16"
5/8" GWB

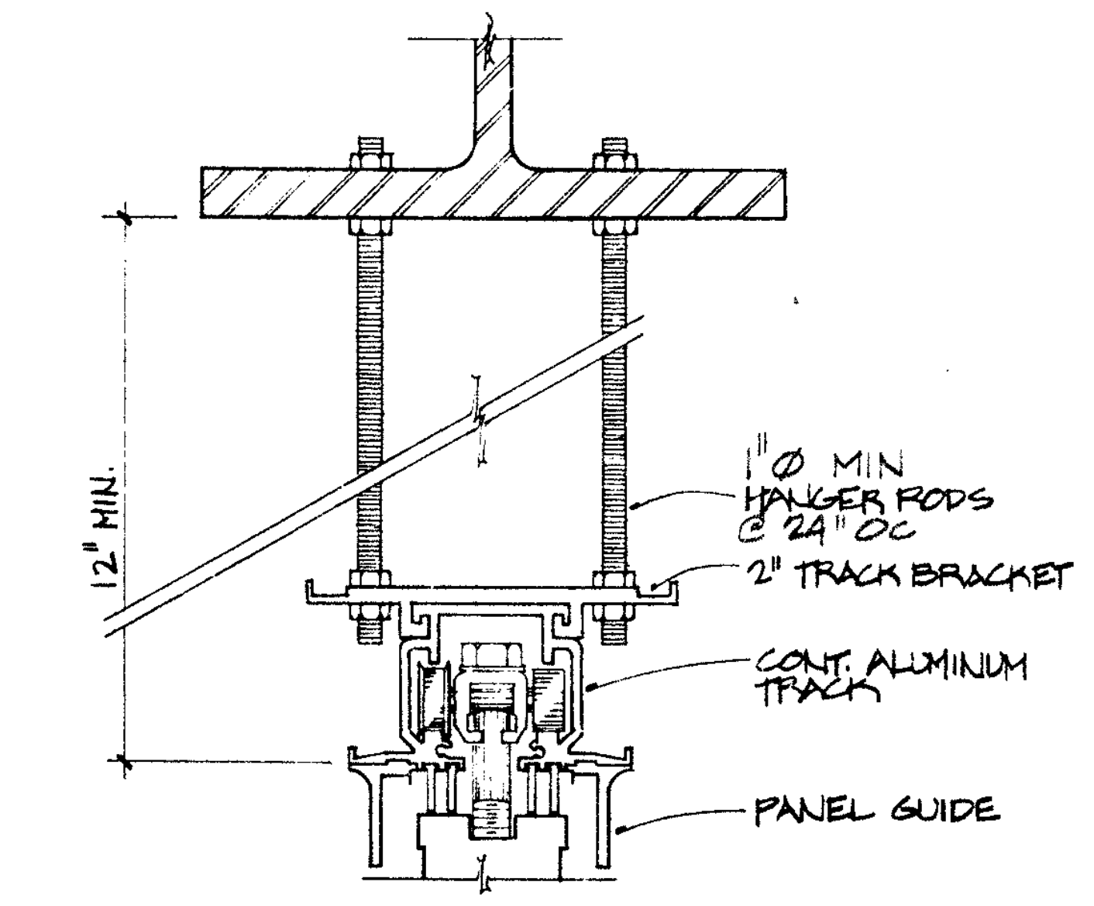
JAMB 3" 8


MTL PLATE
SPLIT-FACE BLOCK VENEER
1"
2"
5/8"
1/2"
15/16"
15/16"
HM FRAME
BLOCKING
5/8" GWB
OMIT

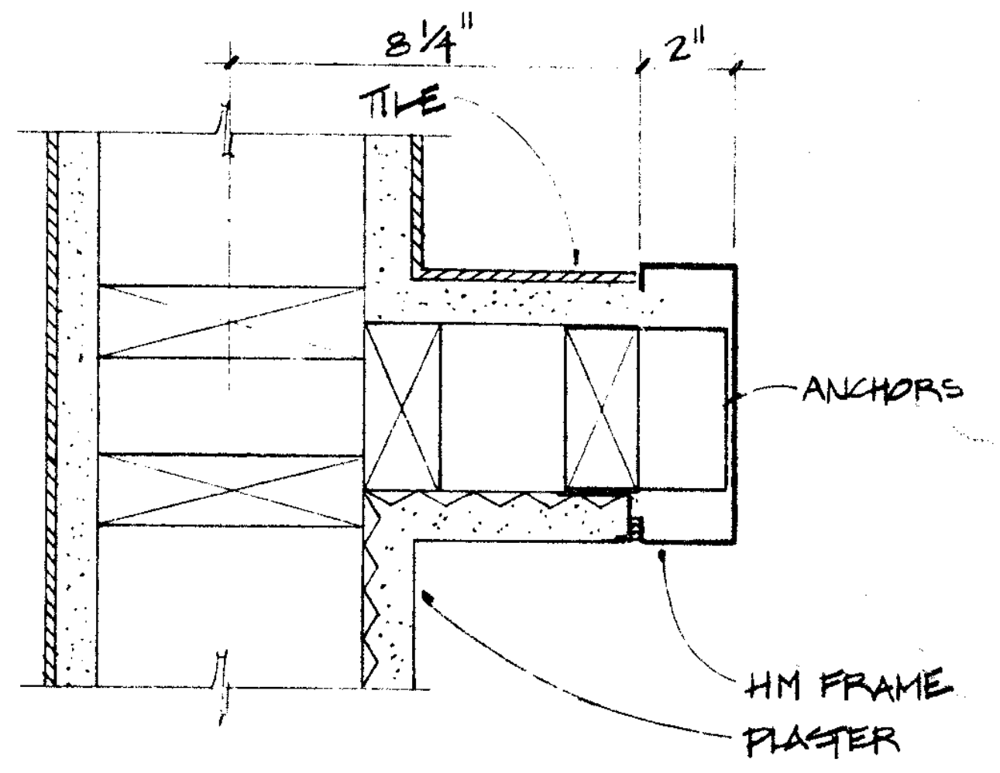
JAMB 3" 9


1"
2"
5/8"
15/16"
15/16"
HM FRAME
MTL PLATE OVER BLOCKING
SPLIT-FACE CMU
OMIT

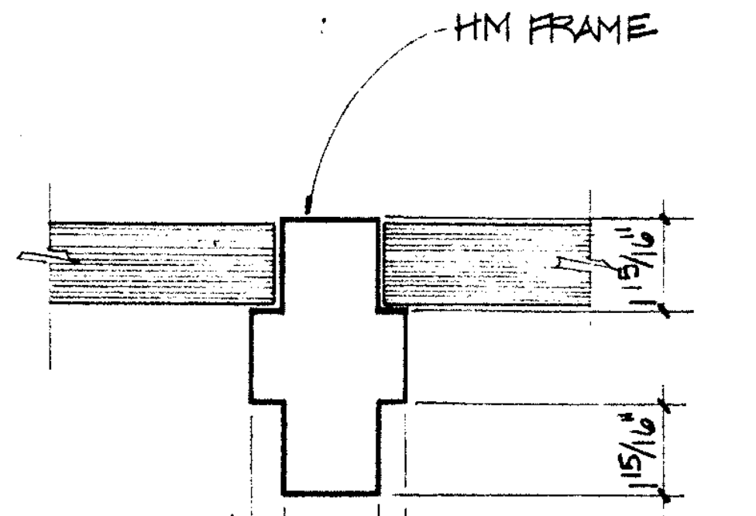
JAMB 3" 10


12" MIN.
1"Ø MIN HANGER RODS @ 24" OC
2" TRACK BRACKET
CONT. ALUMINUM TRACK
PANEL GUIDE

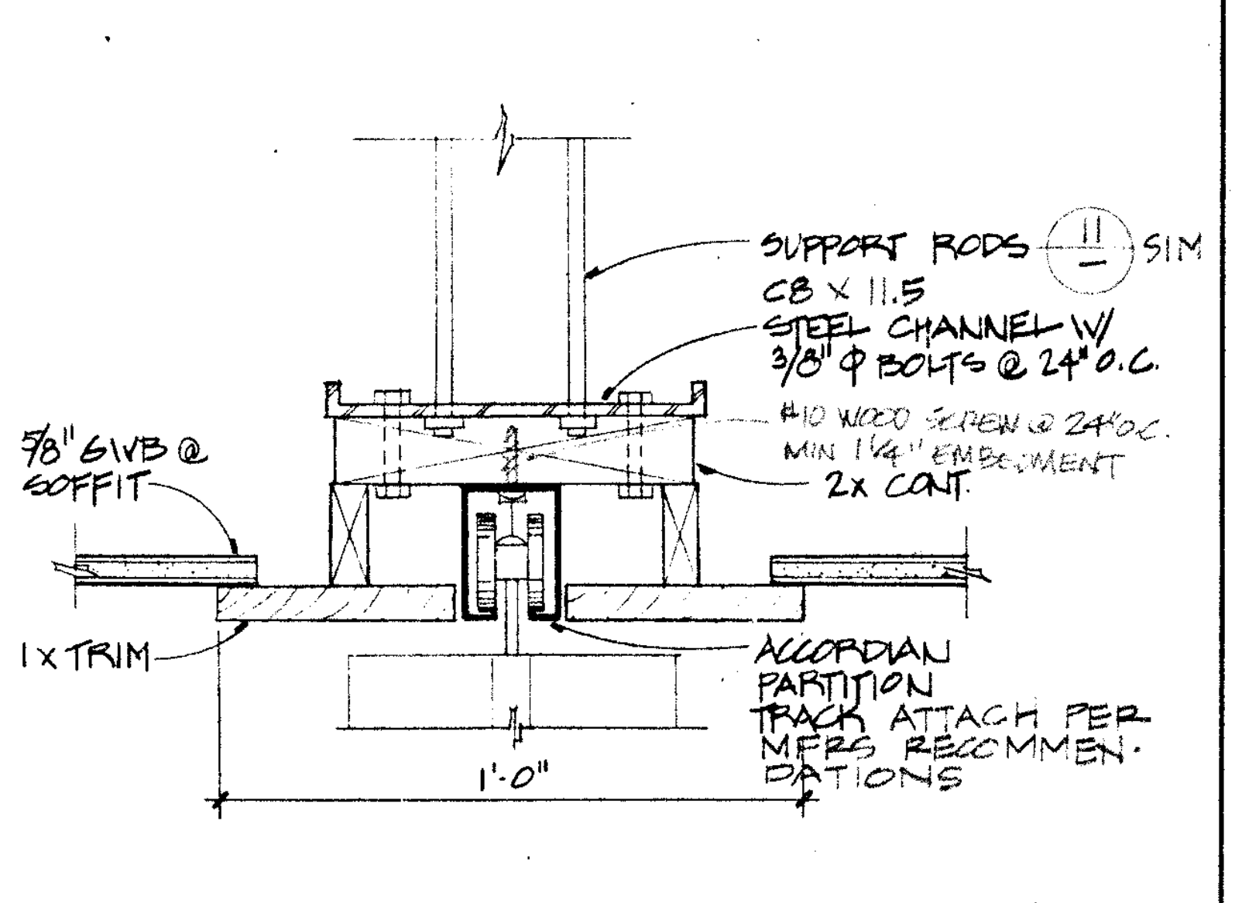
HEAD 3" 11


8 1/4"
2"
TILE
ANCHORS
HM FRAME
PLASTER

JAMB 3" 12

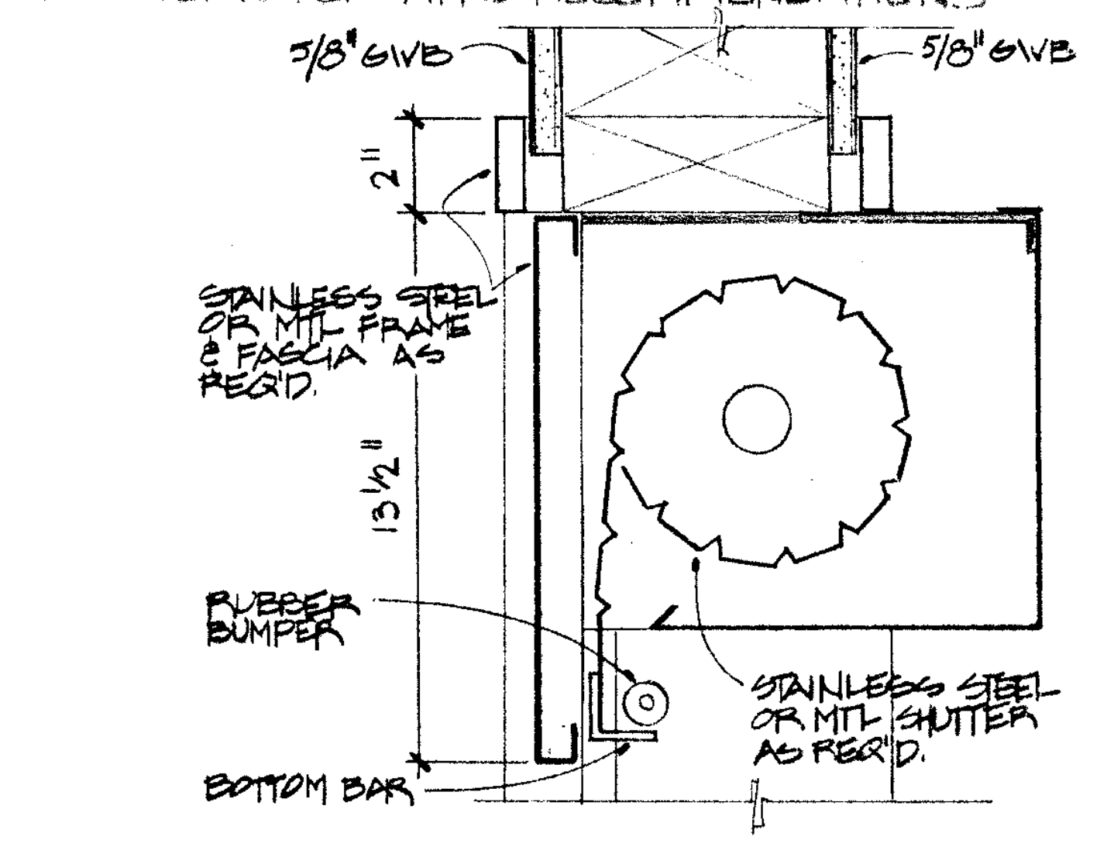

HM FRAME
15/16"
15/16"
5/8"
2"
5/8"

JAMB 3" 13

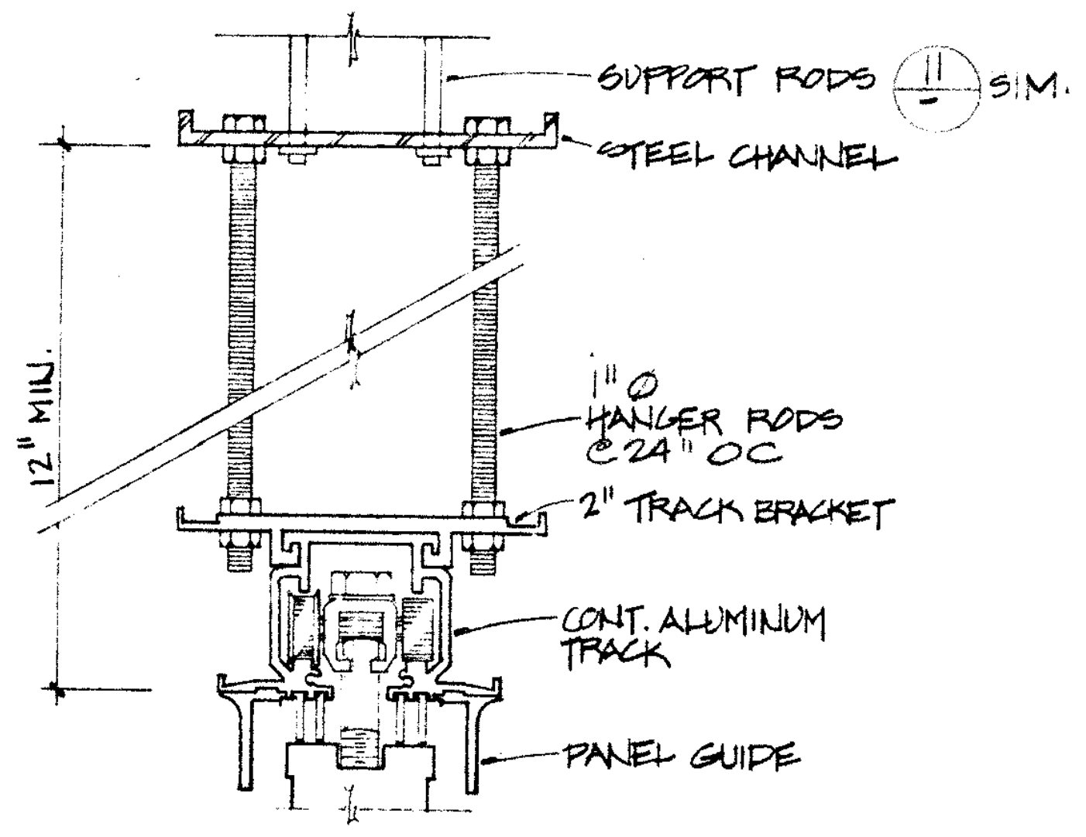

SUPPORT RODS 11 SIM
C8 x 11.5 STEEL CHANNEL W/ 3/8" Ø BOLTS @ 24" O.C.
#10 WOOD SCREW @ 24" O.C. MIN 1 1/4" EMBEDMENT
2x CONT.
5/8" GWB @ SOFFIT
1x TRIM
ACCORDIAN PARTITION TRACK ATTACH PER MFRS RECOMMENDATIONS
1'-0"

HEAD 3" 14

FASTEN MTL DOOR FRAME TO STRUCTURE PER MFRS RECOMMENDATIONS

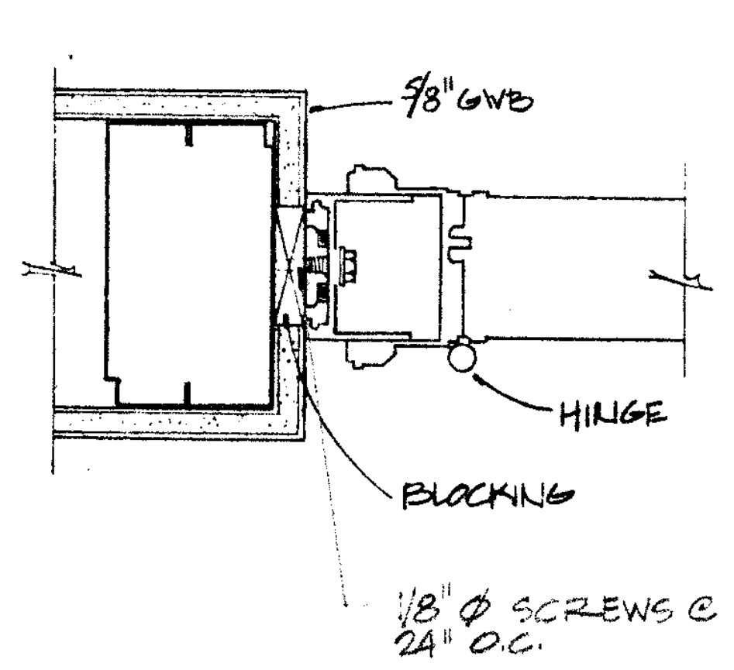

5/8" GWB
5/8" GWB
2"
STAINLESS STEEL OR MTL FRAME & FASCIA AS REQ'D.
13 1/2"
RUBBER BUMPER
STAINLESS STEEL OR MTL SHUTTER AS REQ'D.
BOTTOM BAR

HEAD - COUNTER DOOR 3" 15

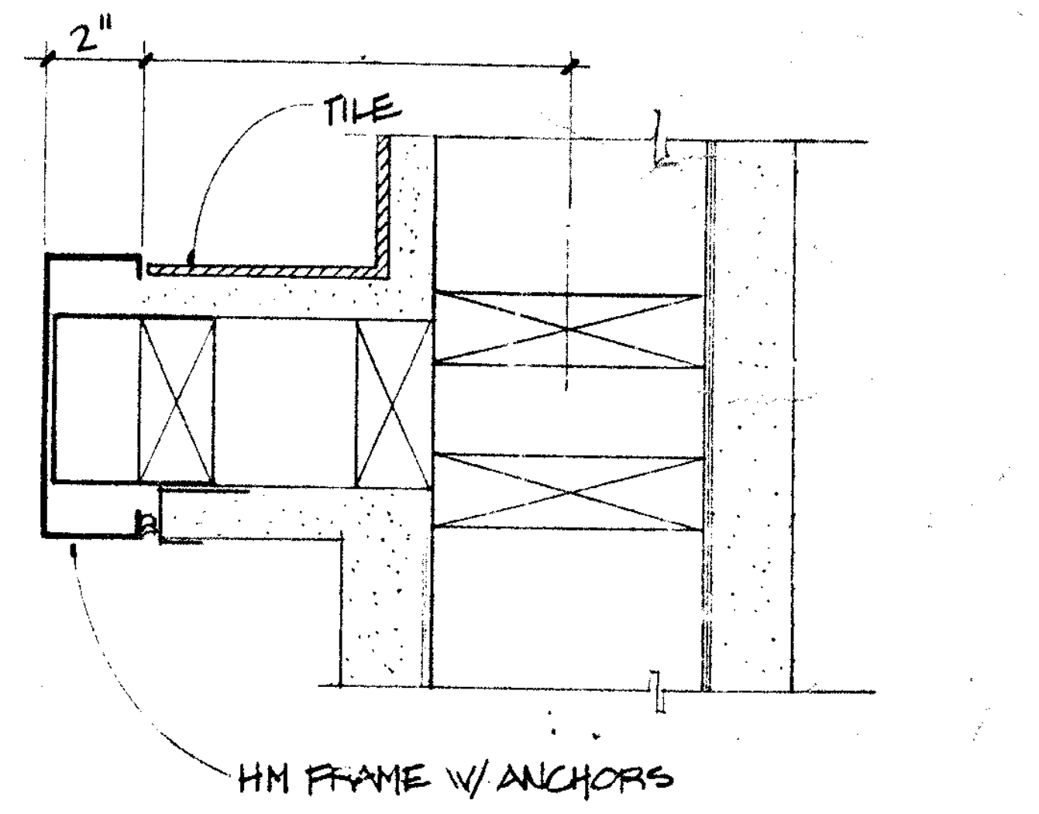

SUPPORT RODS 11 SIM.
STEEL CHANNEL
12" MIN.
1"Ø HANGER RODS @ 24" OC
2" TRACK BRACKET
CONT. ALUMINUM TRACK
PANEL GUIDE

HEAD 3" 16

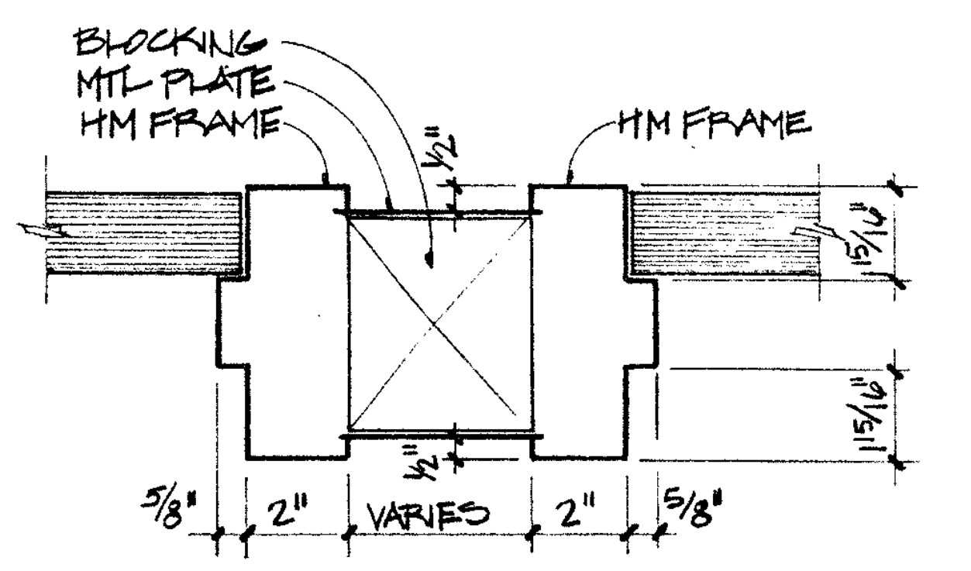
ATTACH FRAME TO STUDS PER MFR'S RECOMMENDATIONS


5/8" GWB
HINGE
BLOCKING
1/8" Ø SCREWS @ 24" O.C.

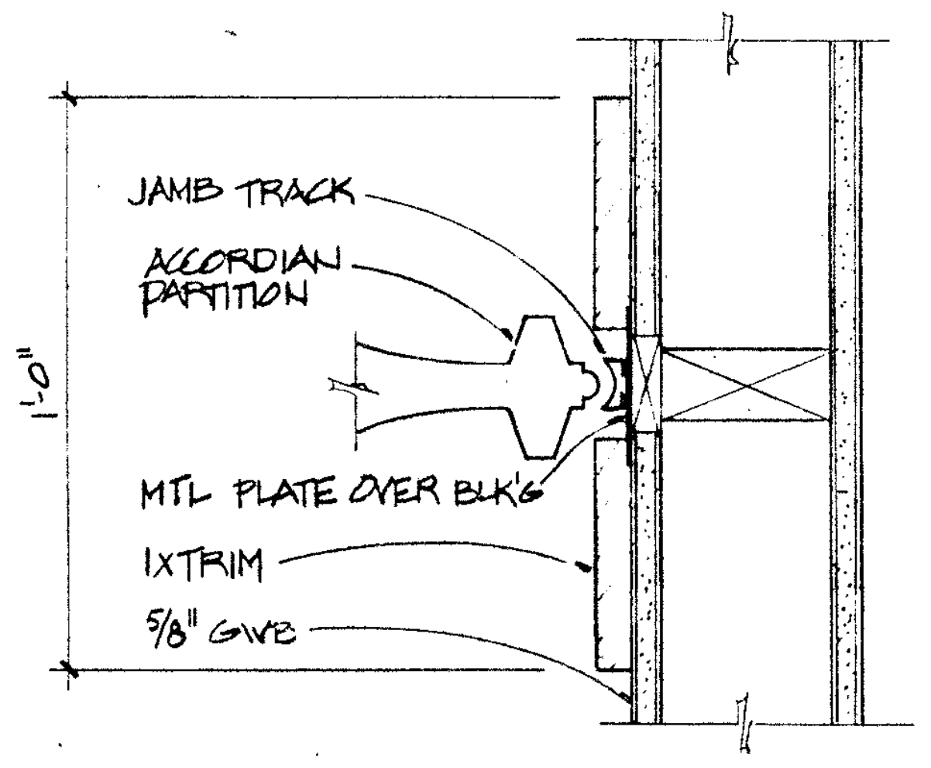
JAMB 3" 17


2"
TILE
HM FRAME W/ ANCHORS

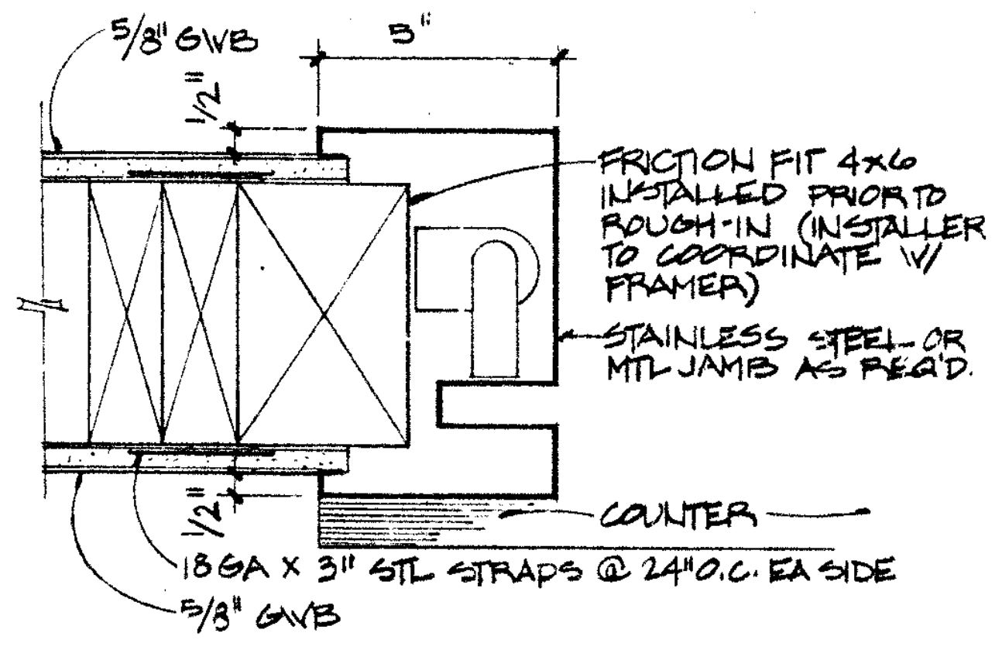
JAMB 3" 18


BLOCKING
MTL PLATE
HM FRAME
1/2"
HM FRAME
15/16"
15/16"
1/2"
5/8"
2"
VARIES
2"
5/8"

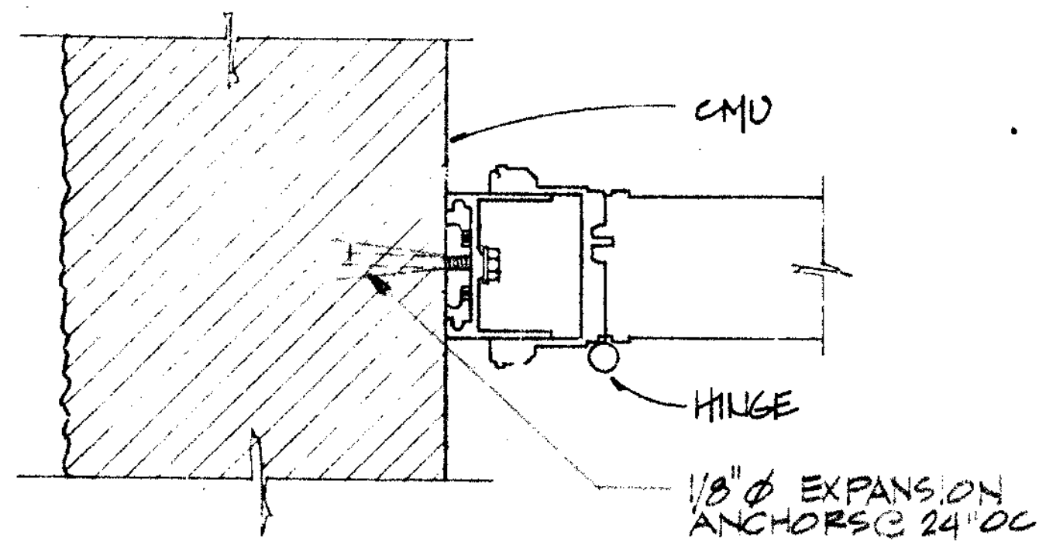
JAMB 3" 19


JAMB TRACK
ACCORDIAN PARTITION
1'-0"
MTL PLATE OVER BLK'G
1X TRIM
5/8" GWB

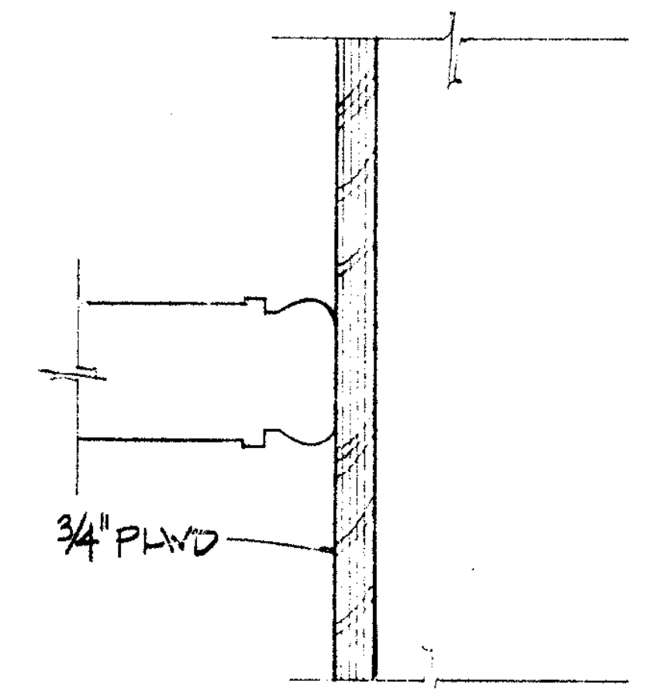
JAMB 3" 20


5/8" GWB
3"
1/2"
FRICTION FIT 4x6 INSTALLED PRIOR TO ROUGH-IN (INSTALLER TO COORDINATE W/ FRAMER)
STAINLESS STEEL OR MTL JAMB AS REQ'D.
COUNTER
1/2"
18 GA x 3" STL STRAPS @ 24" O.C. EA SIDE
5/8" GWB

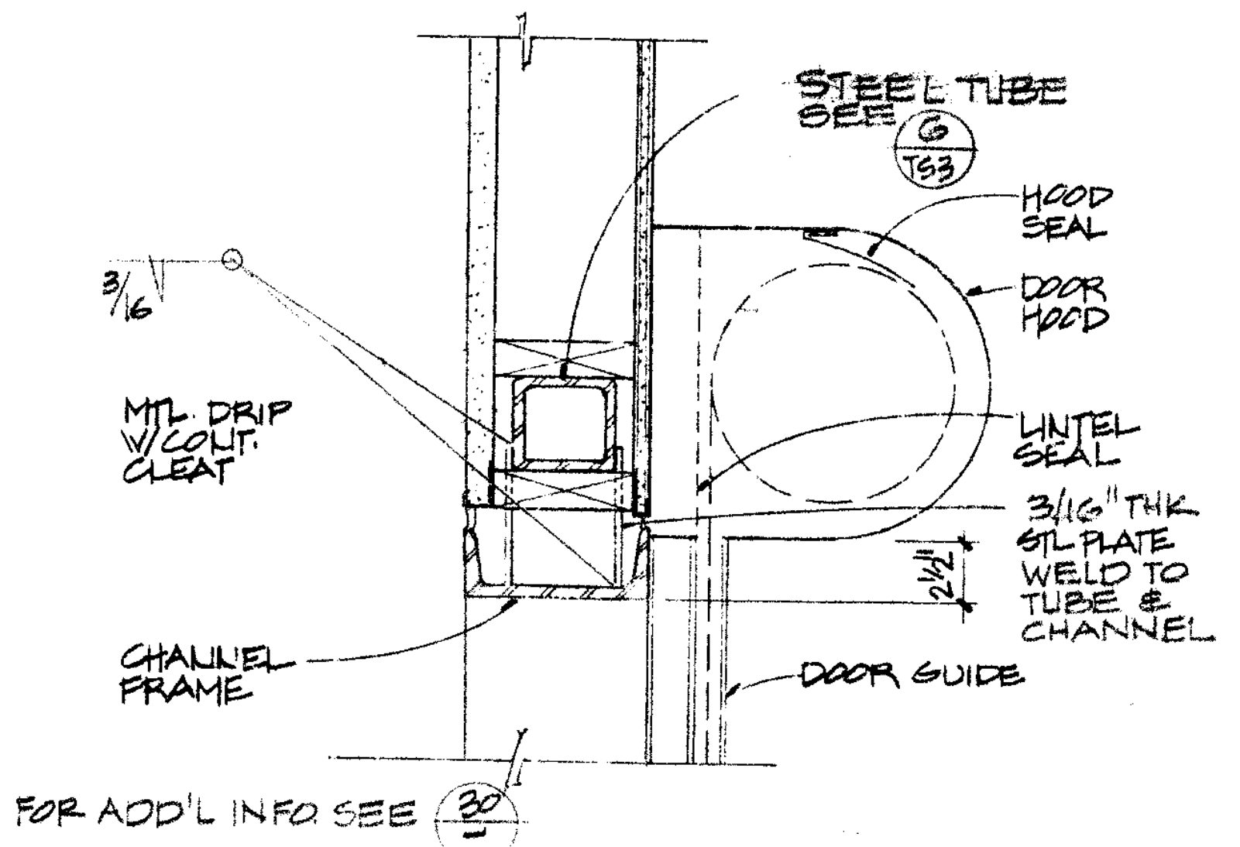
JAMB - COUNTER DOOR 3" 21


CMU
HINGE
1/8" Ø EXPANSION ANCHORS @ 24" OC

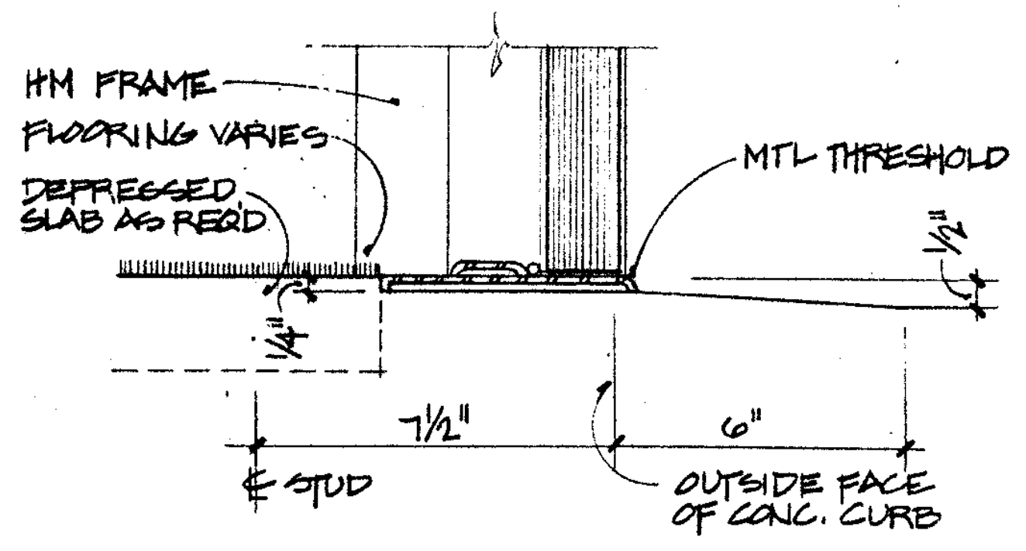
JAMB 3" 22



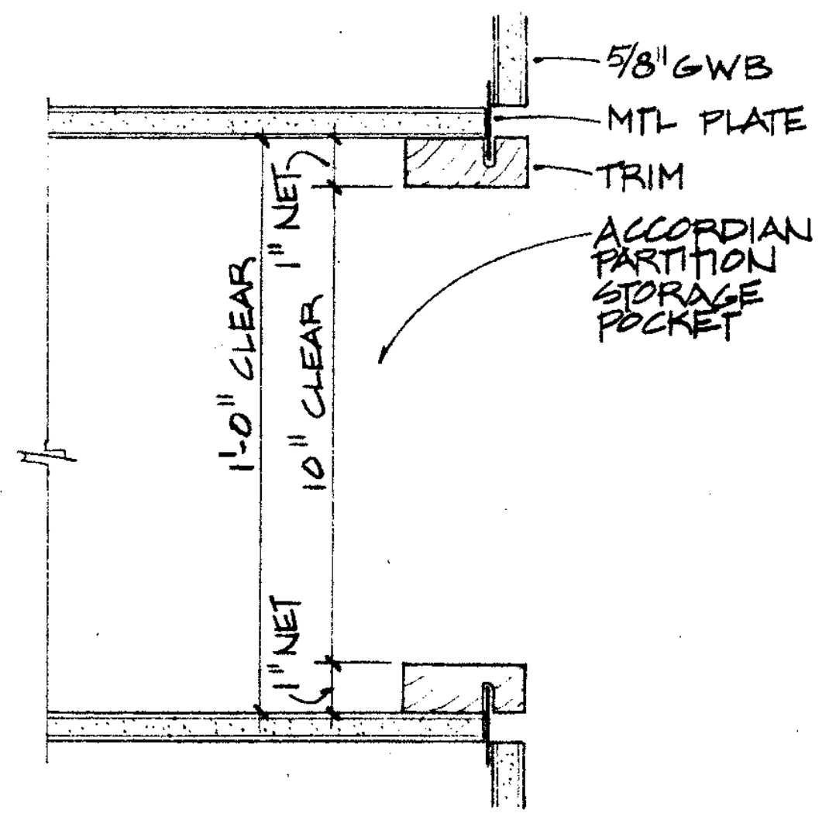
JAMB 3" 23


STEEL TUBE SEE 6 TS3
HOOD SEAL
DOOR HOOD
3/16
MTL DRIP W/ CONT. CLEAT
LINTEL SEAL
3/16" THK STL PLATE WELD TO TUBE & CHANNEL
2 1/2"
CHANNEL FRAME
DOOR GUIDE
FOR ADD'L INFO SEE 30

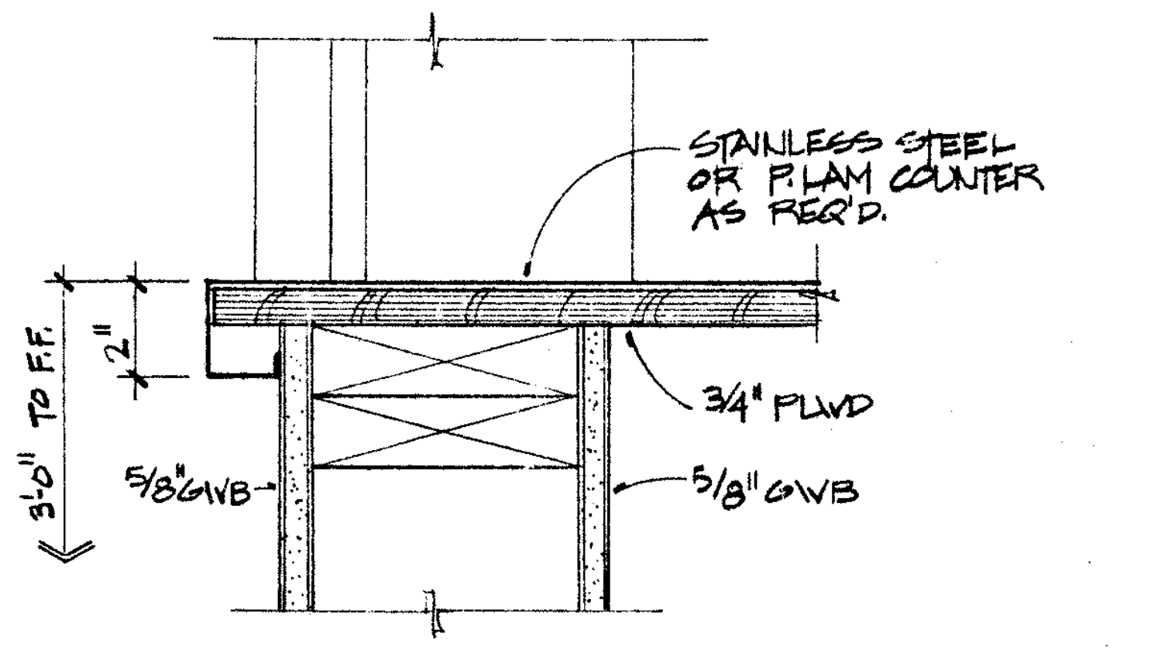
HEAD - O'HEAD COILING DOOR 1 1/2" 24


HM FRAME
FLOORING VARIES
DEPRESSED SLAB AS REQ'D
MTL THRESHOLD
1/2"
1/4"
7 1/2"
6"
℄ STUD
OUTSIDE FACE OF CONC. CURB

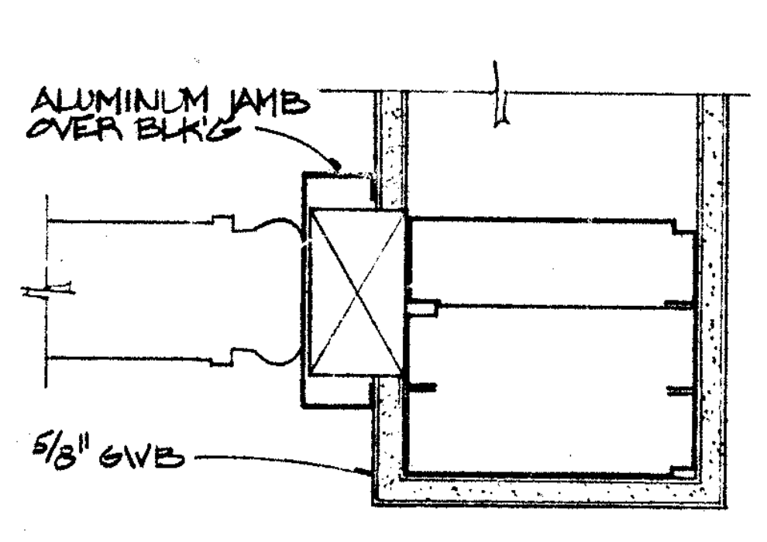
THRESHOLD 3" 25


5/8" GWB
MTL PLATE
TRIM
ACCORDIAN PARTITION STORAGE POCKET
1'-0" CLEAR
10" CLEAR
1" NET
1" NET

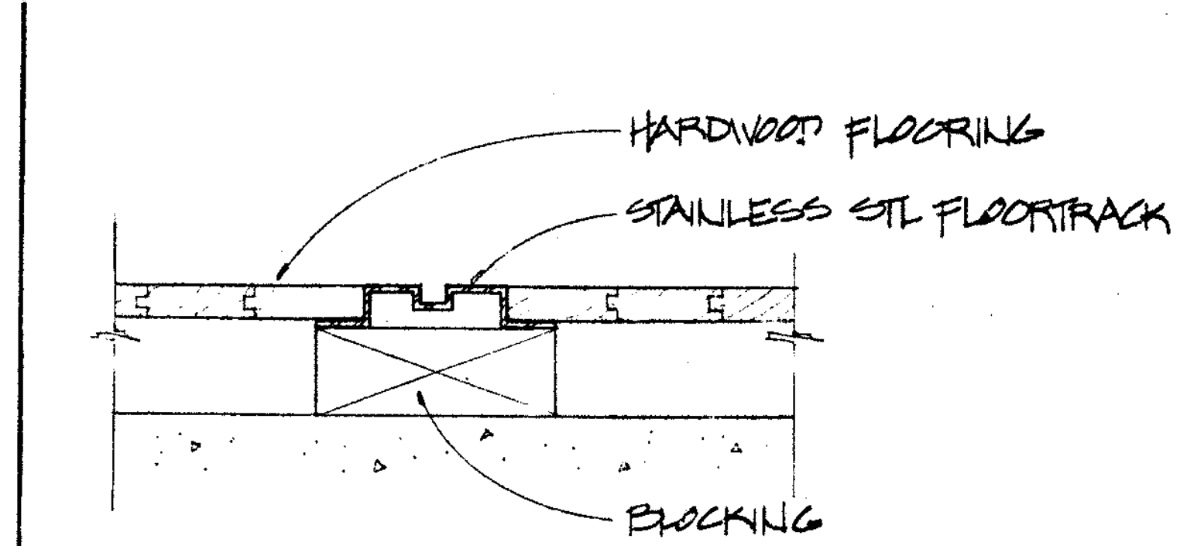
JAMB 3" 26


STAINLESS STEEL OR P.LAM COUNTER AS REQ'D.
2"
3'-0" TO F.F.
3/4" PLWD
5/8" GWB
5/8" GWB

SILL-COUNTER DOOR 3" 27


ALUMINUM JAMB OVER BLK'G
5/8" GWB

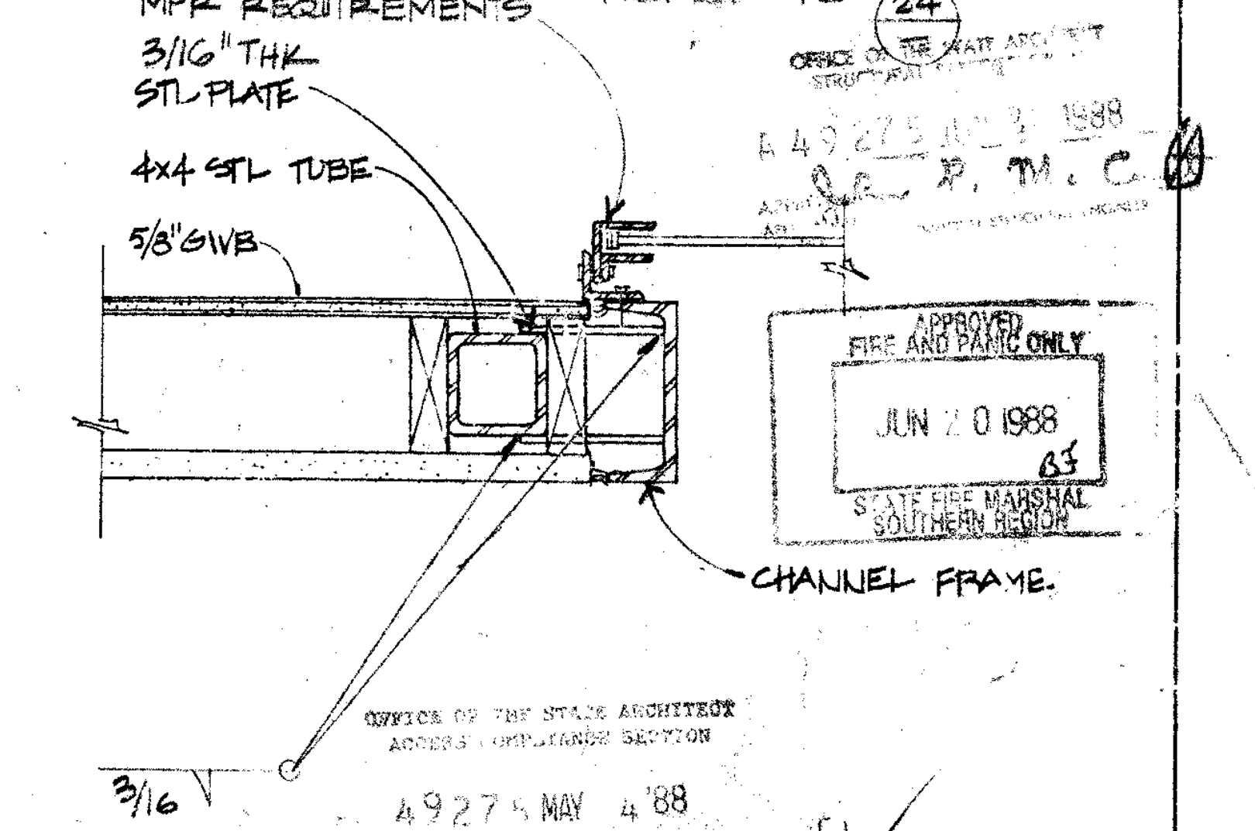
JAMB 3" 28


HARDWOOD FLOORING
STAINLESS STL FLOORTRACK
BLOCKING

THRESHOLD 3" 29

STEEL ANGLE DOOR GUIDES ATTACH PER MFR REQUIREMENTS

FOR ADD'L NOTES REFER TO 24


3/16" THK STL PLATE
4x4 STL TUBE
5/8" GWB
CHANNEL FRAME.
3/16

OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION
A 49275 JUL 1988
R. M. C.

APPROVED FIRE AND PANIC ONLY
JUN 20 1988
STATE FIRE MARSHAL SOUTHERN REGION

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
A 49275 MAY 4 '88

JAMB - O'HEAD COILING DOOR 1 1/2" 30

Drawn By
Checked By
Date MAR 1988
Commission No. 13005

Revisions
BID JANUARY 1991

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714/684-4664
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Carlsbad, CA 92008-1995
619/438-5899

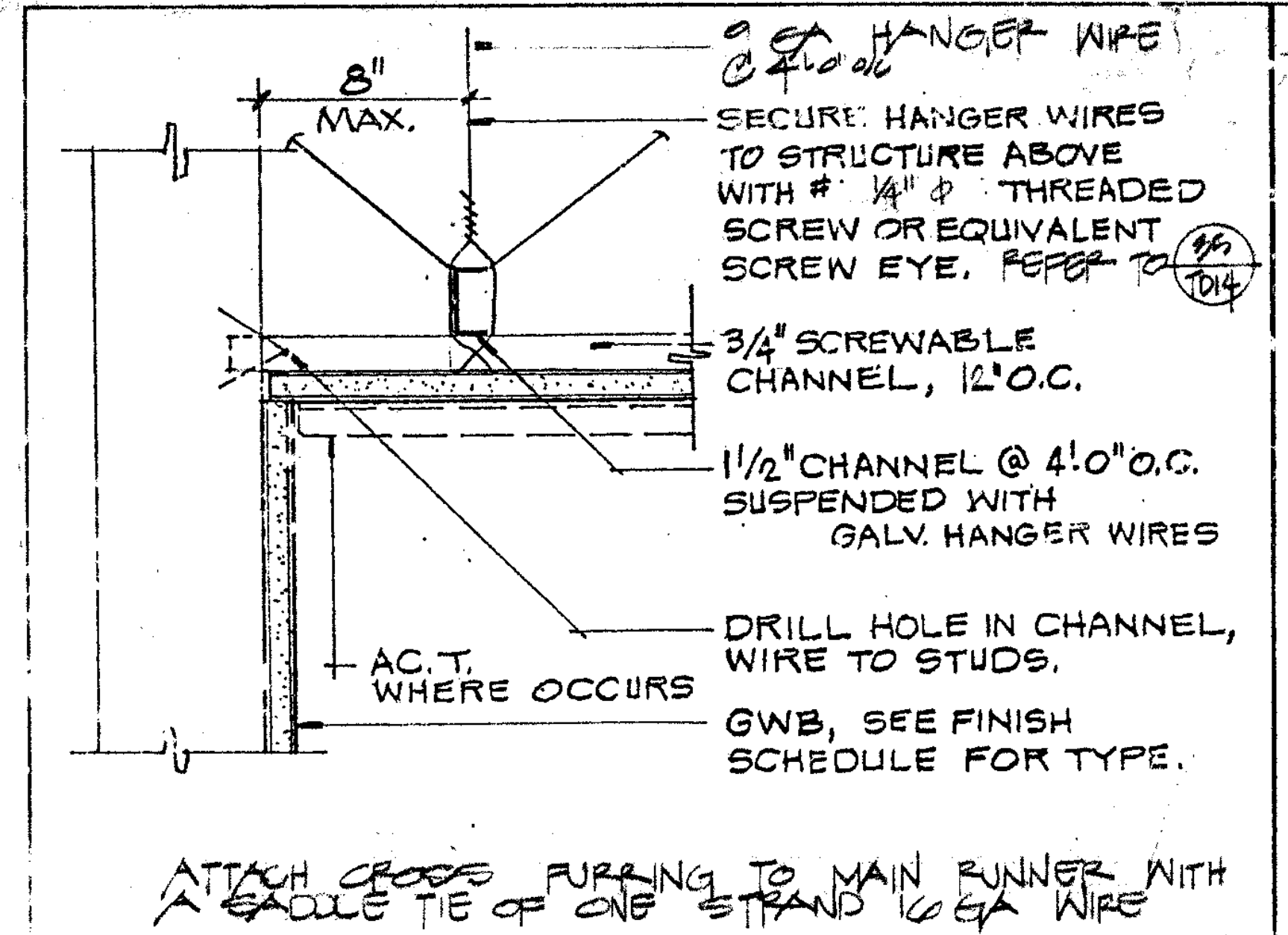
ARCHITECT
C20682

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

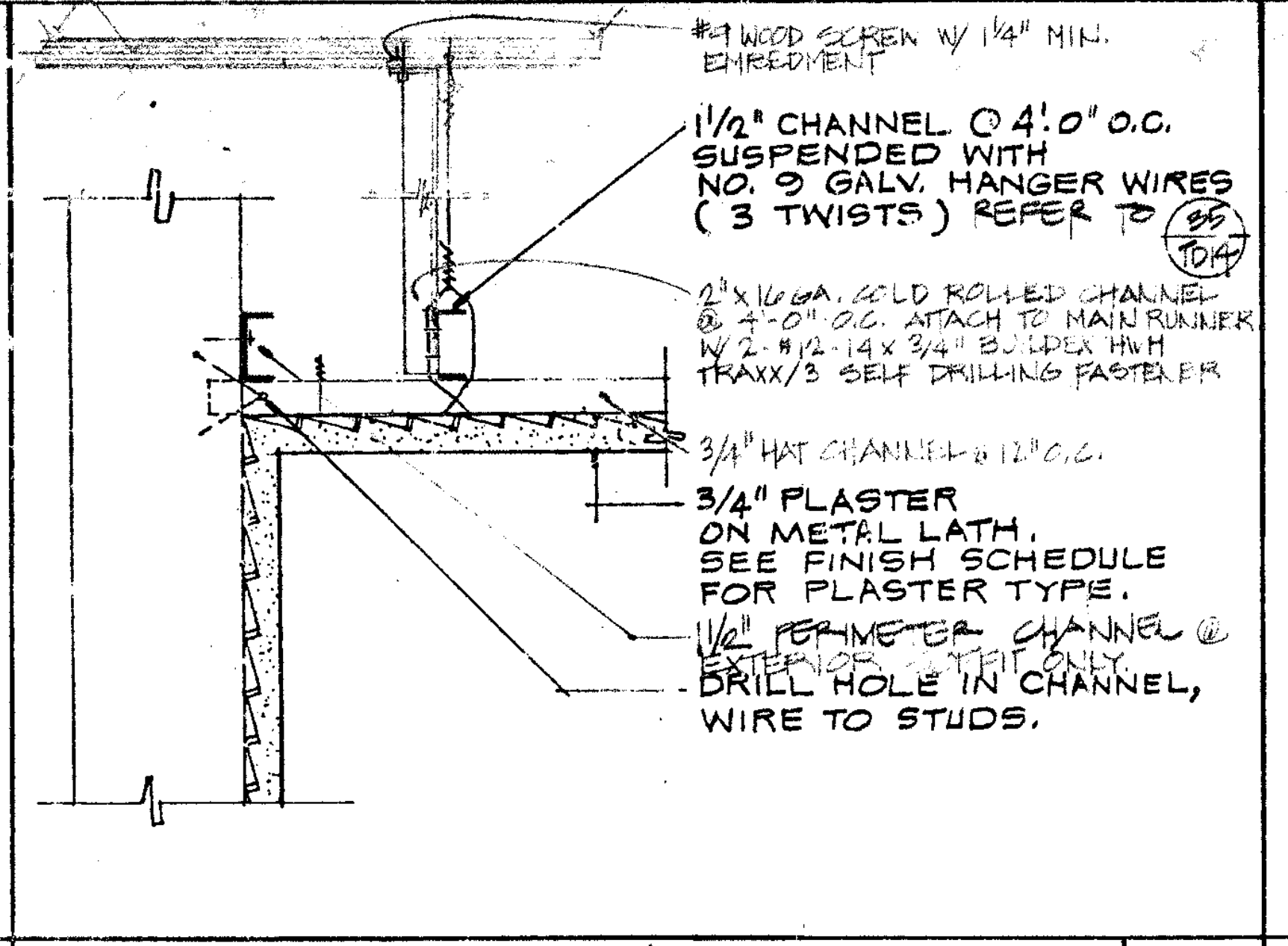
Door - TYPICAL DETAILS

Sheet Number
TD-7
84 Of Sheets

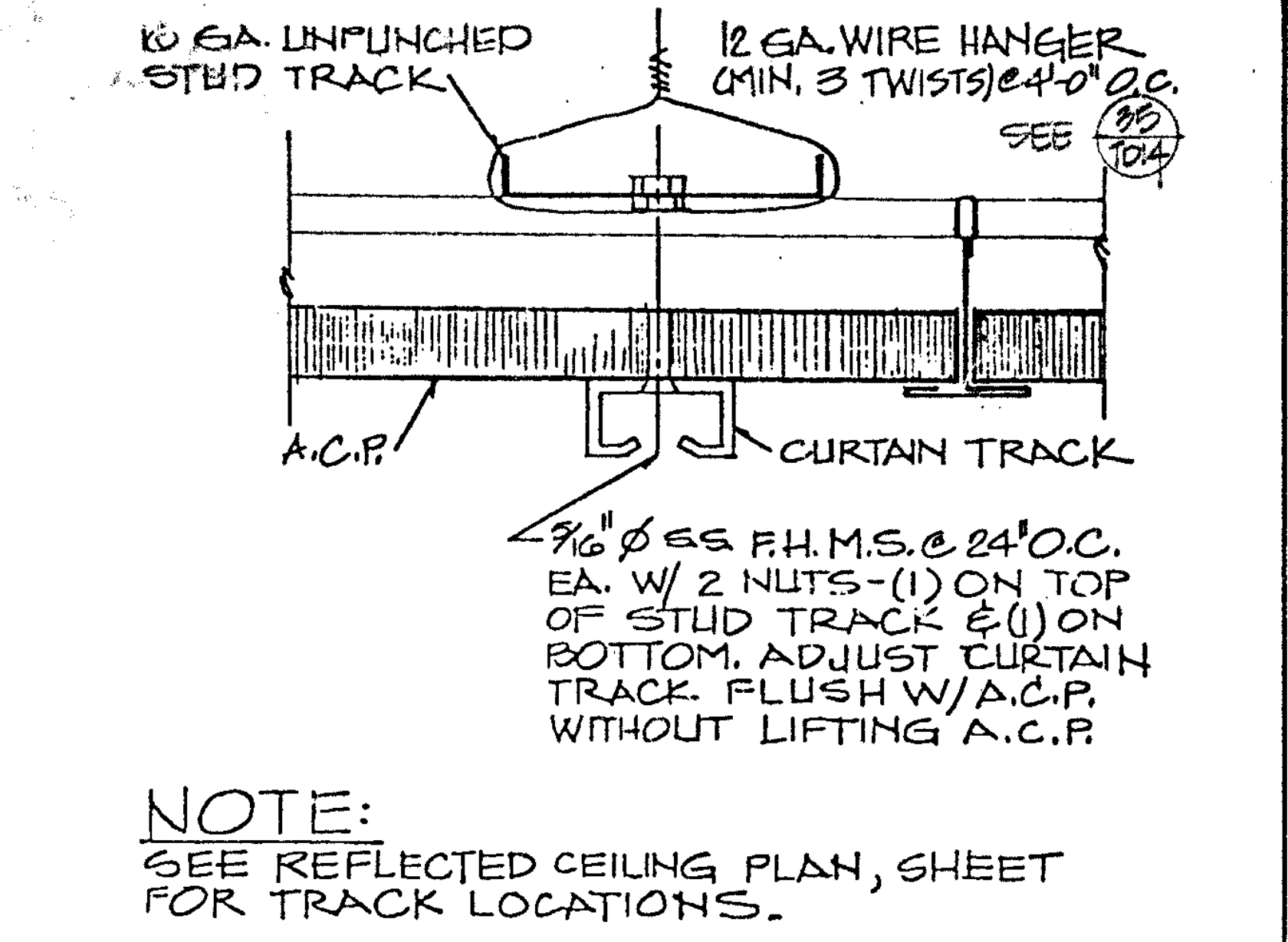
INCREMENT 2


9 GA HANGER WIRE @ 4'-0" o/c
8" MAX.
SECURE HANGER WIRES TO STRUCTURE ABOVE WITH # 1/4" Φ THREADED SCREW OR EQUIVALENT SCREW EYE. REFER TO 35/TD14
3/4" SCREWABLE CHANNEL, 12" O.C.
1 1/2" CHANNEL @ 4'-0" O.C. SUSPENDED WITH GALV. HANGER WIRES
DRILL HOLE IN CHANNEL, WIRE TO STUDS.
A.C.T. WHERE OCCURS
GWB, SEE FINISH SCHEDULE FOR TYPE.
ATTACH CROSS FURRING TO MAIN RUNNER WITH A SADDLE TIE OF ONE STRAND 16 GA WIRE

GYPSUM BOARD CEILING 3" **1**

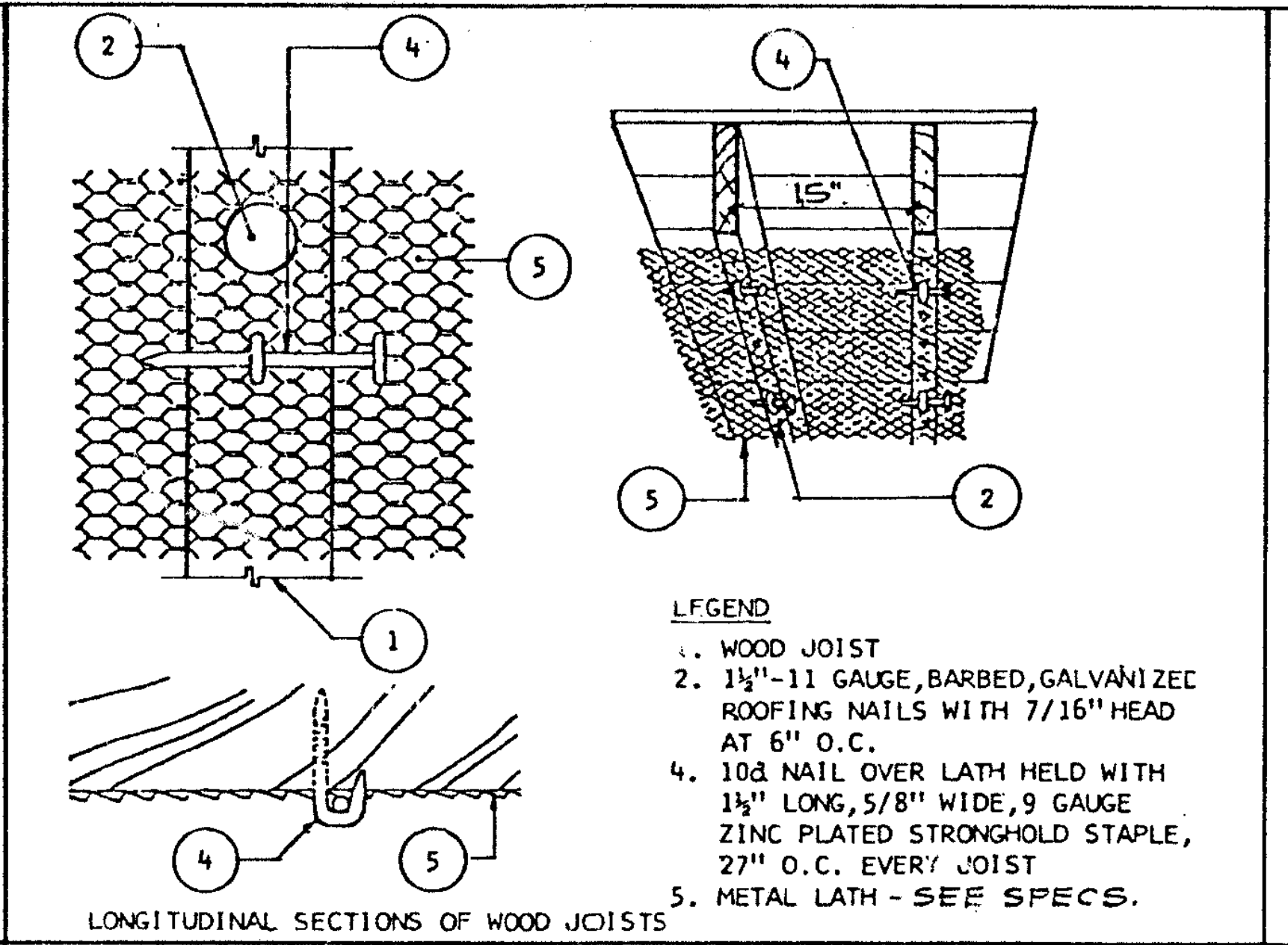

#9 WOOD SCREW W/ 1 1/4" MIN. EMBEDMENT
1 1/2" CHANNEL @ 4'-0" O.C. SUSPENDED WITH NO. 9 GALV. HANGER WIRES (3 TWISTS) REFER TO 35/TD14
2"x16 GA. COLD ROLLED CHANNEL @ 4'-0" O.C. ATTACH TO MAIN RUNNER W/ 2-#12-14 x 3/4" BUILDEX HWH TRAXX/3 SELF DRILLING FASTENER
3/4" HAT CHANNEL @ 12" O.C.
3/4" PLASTER ON METAL LATH. SEE FINISH SCHEDULE FOR PLASTER TYPE.
1 1/2" PERIMETER CHANNEL @ EXTERIOR SOFFIT ONLY.
DRILL HOLE IN CHANNEL, WIRE TO STUDS.

PLASTER CEILING & WALL 3" **2**


16 GA. UNPUNCHED STUD TRACK
12 GA. WIRE HANGER (MIN. 3 TWISTS) @ 4'-0" O.C. SEE 35/TD14
A.C.P.
CURTAIN TRACK
5/16" Φ SS F.H.M.S. @ 24" O.C. EA. W/ 2 NUTS-(1) ON TOP OF STUD TRACK & (1) ON BOTTOM. ADJUST CURTAIN TRACK FLUSH W/A.C.P. WITHOUT LIFTING A.C.P.

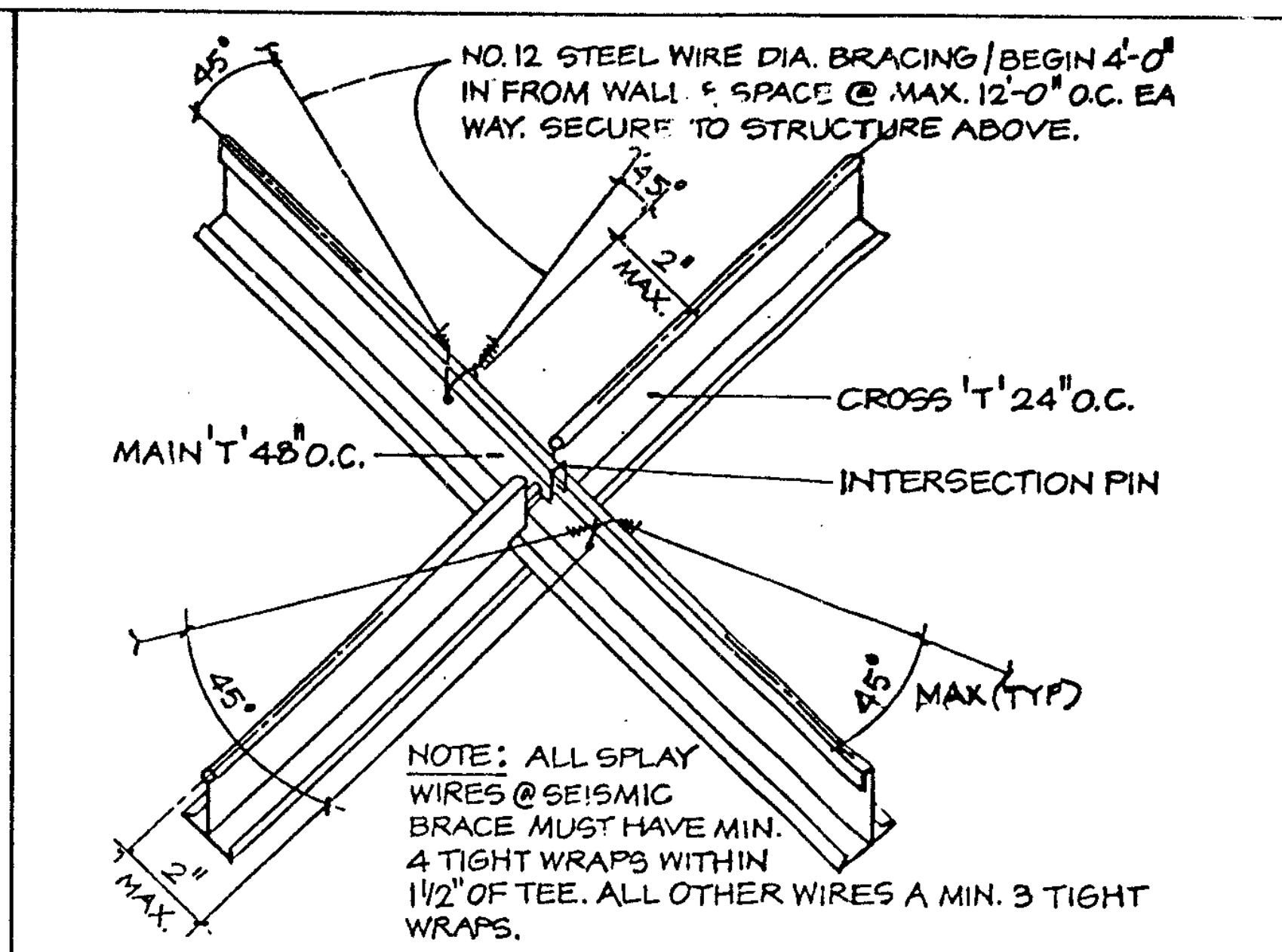
NOTE:
SEE REFLECTED CEILING PLAN, SHEET FOR TRACK LOCATIONS.

CUBICLE CURTAIN TRACK 6" **3**


2
4
5
15"
1
LONGITUDINAL SECTIONS OF WOOD JOISTS

LEGEND
1. WOOD JOIST
2. 1½"-11 GAUGE, BARBED, GALVANIZED ROOFING NAILS WITH 7/16" HEAD AT 6" O.C.
4. 10d NAIL OVER LATH HELD WITH 1½" LONG, 5/8" WIDE, 9 GAUGE ZINC PLATED STRONGHOLD STAPLE, 27" O.C. EVERY JOIST
5. METAL LATH - SEE SPECS.

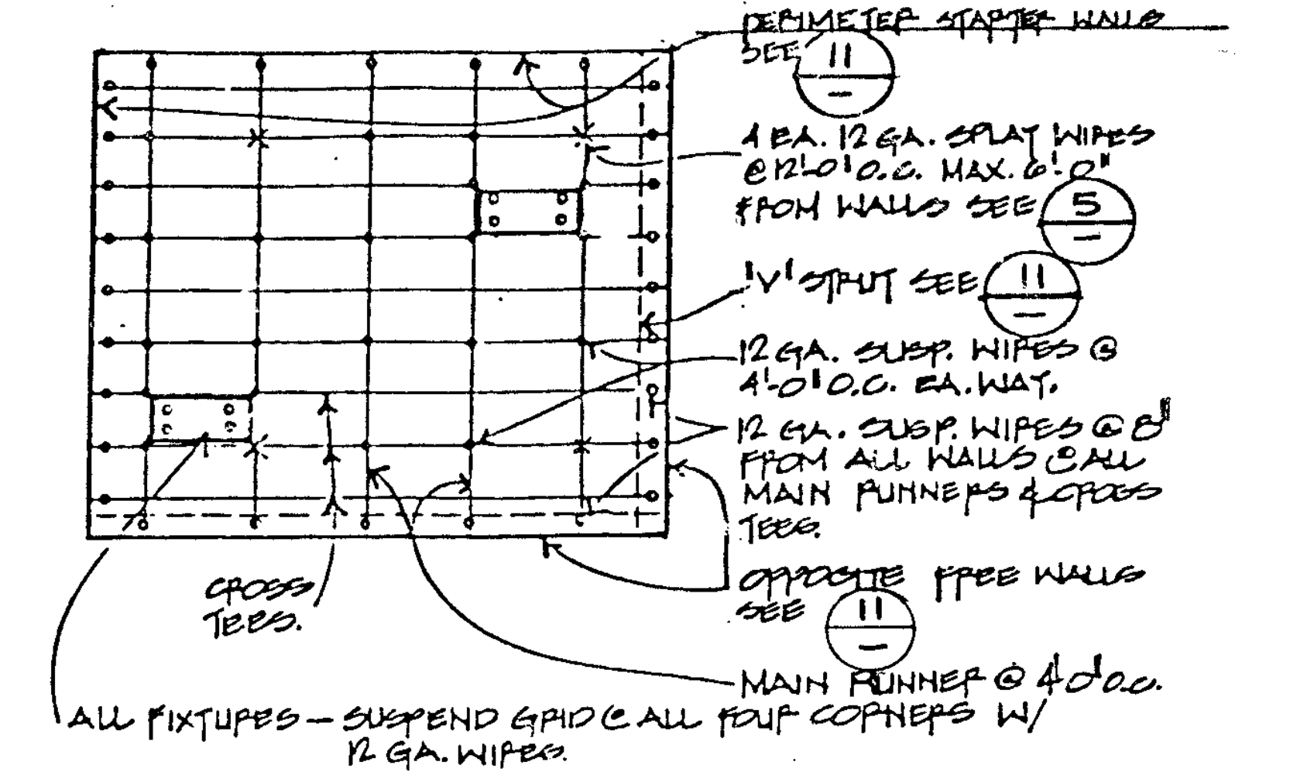
PLASTER LATH @ CEILINGS NTS **4**


NO. 12 STEEL WIRE DIA. BRACING / BEGIN 4'-0" IN FROM WALL & SPACE @ MAX. 12'-0" O.C. EA WAY. SECURE TO STRUCTURE ABOVE.
45°
2" MAX.
CROSS 'T' 24" O.C.
MAIN 'T' 48" O.C.
INTERSECTION PIN
MAX (TYP)

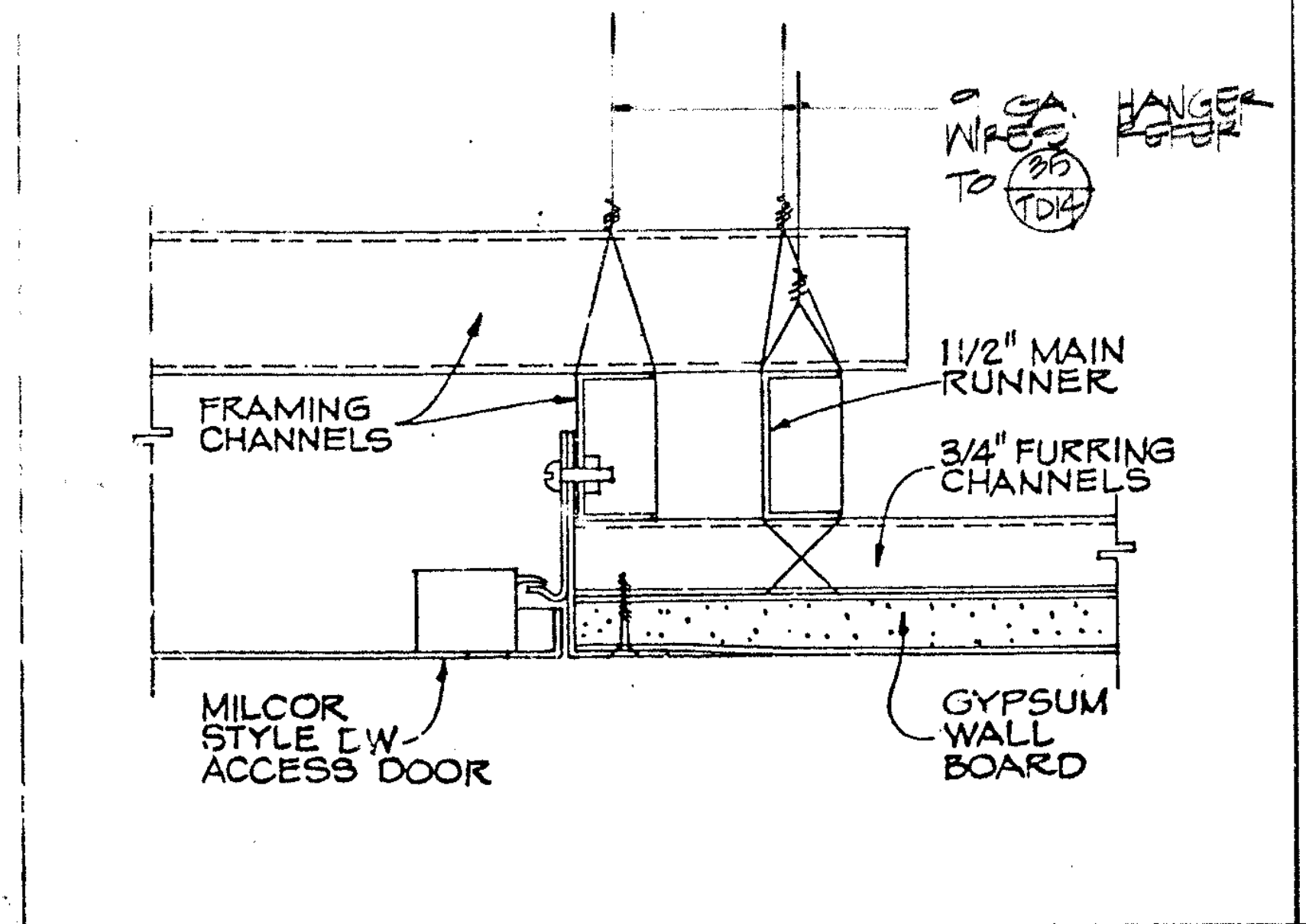
NOTE: ALL SPLAY WIRES @ SEISMIC BRACE MUST HAVE MIN. 4 TIGHT WRAPS WITHIN 1 1/2" OF TEE. ALL OTHER WIRES A MIN. 3 TIGHT WRAPS.

SPLAY WIRES NTS **5**

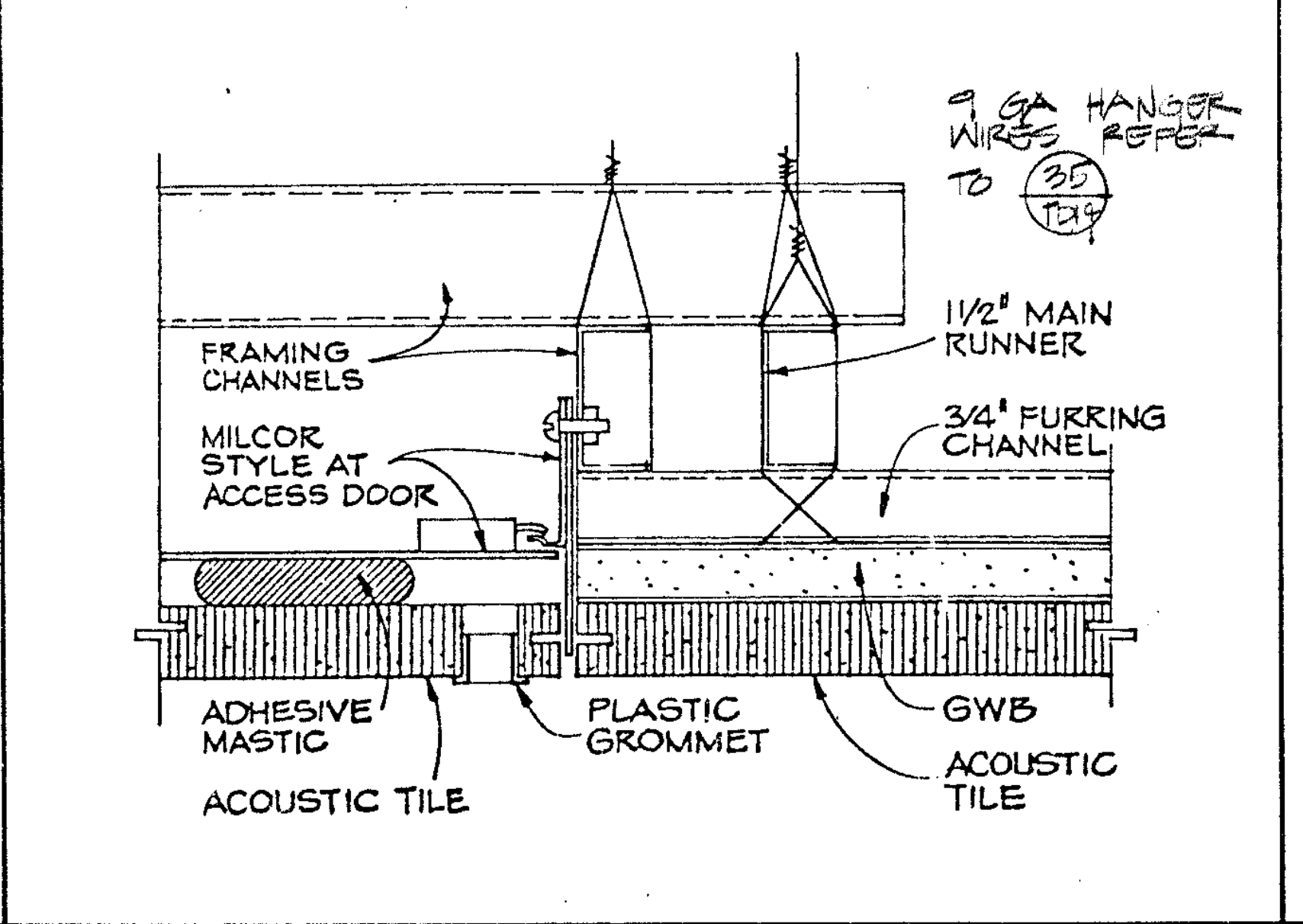
MFG CAT. NO - MAIN RUNNER 1800 CHICAGO METALIC
MFG CAT NO - CROSS RUNNER 1804 CHICAGO METALIC


PERIMETER STARTER WALLS SEE 11/—
4 EA. 12 GA. SPLAY WIRES @ 12'-0" O.C. MAX. 6'-0" FROM WALLS SEE 5/—
'V' STRUT SEE 11/—
12 GA. SUSP. WIRES @ 4'-0" O.C. EA. WAY.
12 GA. SUSP. WIRES @ 8" FROM ALL WALLS @ ALL MAIN RUNNERS & CROSS TEES.
CROSS TEES.
OPPOSITE FREE WALLS SEE 11/—
MAIN RUNNER @ 4'-0" o.c.

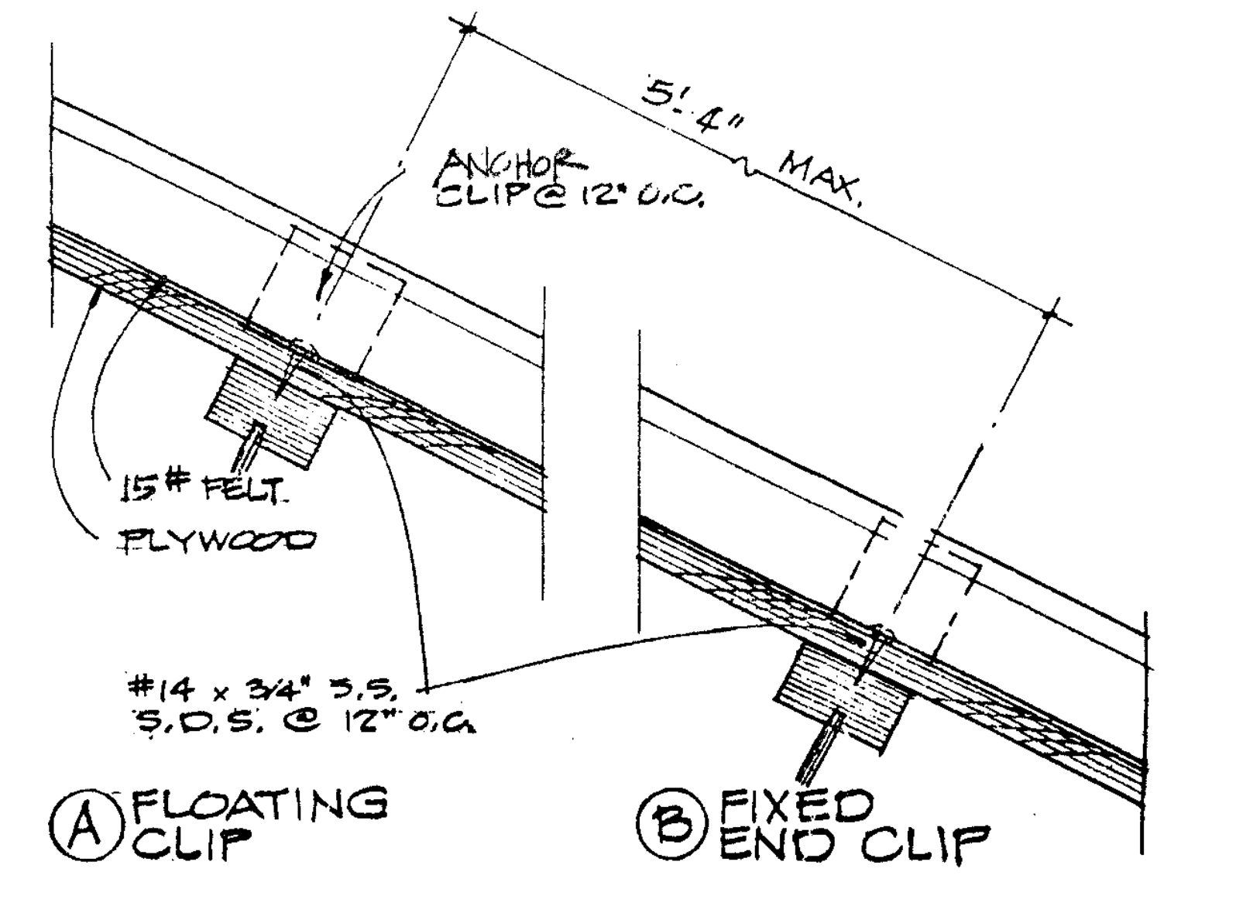
ALL FIXTURES — SUSPEND GRID @ ALL FOUR CORNERS W/ 12 GA. WIRES.
— SUSPEND FIXTURE WITH 4 - TAUNT WIRES.
— SEE NOTES 9-12 BELOW.


9 GA HANGER WIRES REFER TO 35/TD14
FRAMING CHANNELS
1 1/2" MAIN RUNNER
3/4" FURRING CHANNELS
MILCOR STYLE EW ACCESS DOOR
GYPSUM WALL BOARD

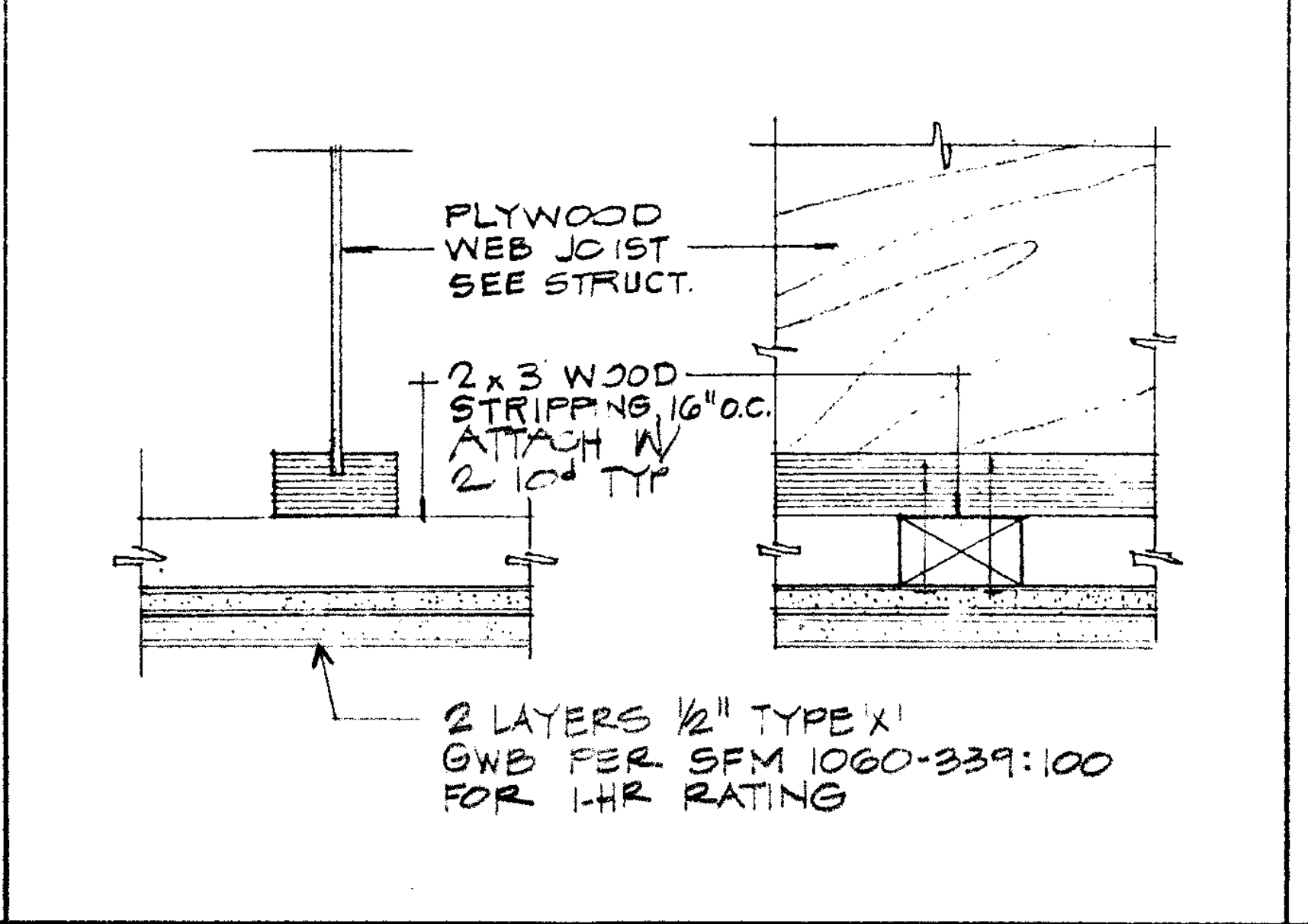
ACCESS PANEL @ GWB — **7**


9 GA HANGER WIRES REFER TO 35/TD14
FRAMING CHANNELS
1 1/2" MAIN RUNNER
MILCOR STYLE AT ACCESS DOOR
3/4" FURRING CHANNEL
ADHESIVE MASTIC
PLASTIC GROMMET
GWB
ACOUSTIC TILE
ACOUSTIC TILE

ACCESS PANEL @ ACT — **8**

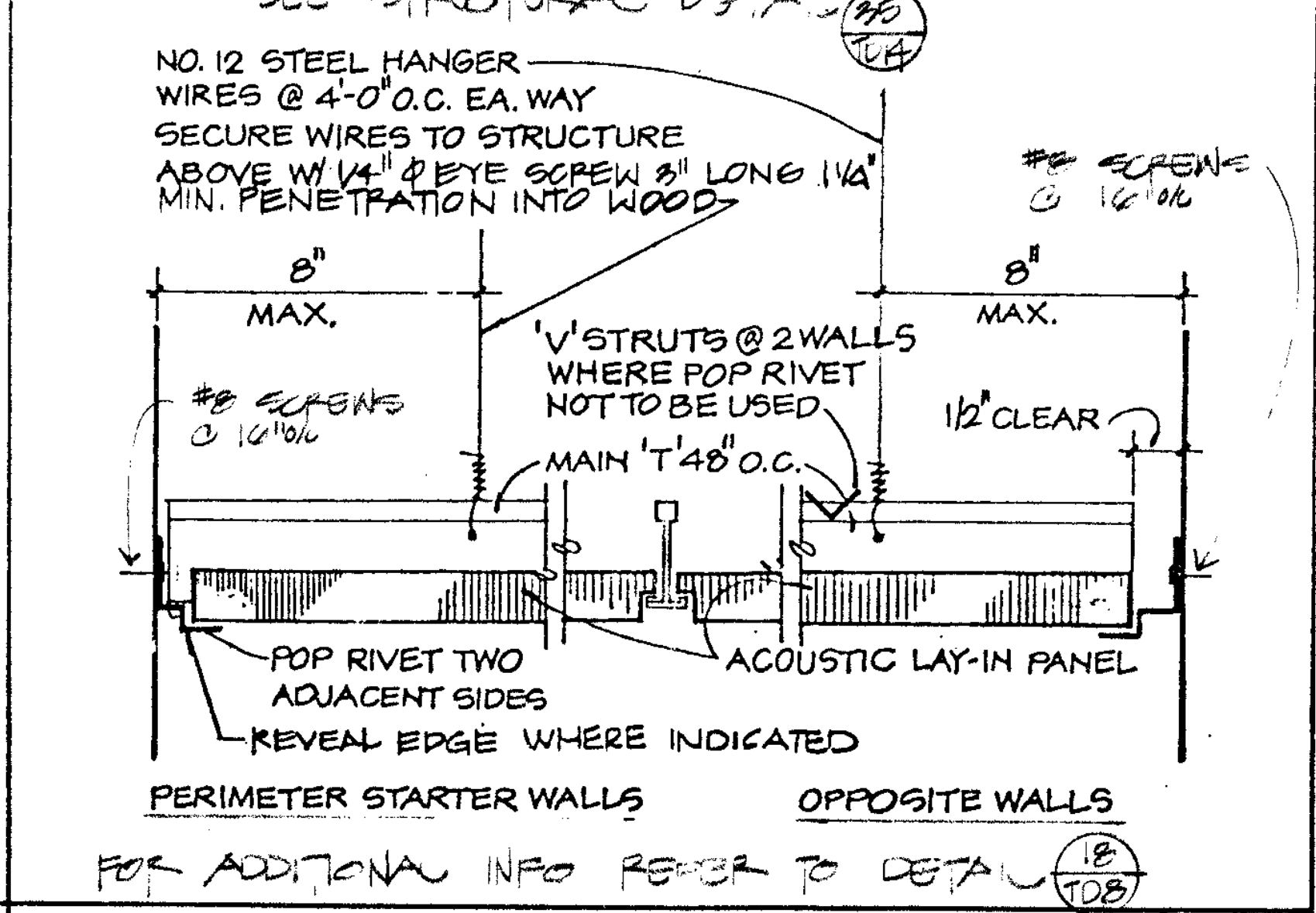

5'-4" MAX.
ANCHOR CLIP @ 12" O.C.
15# FELT
PLYWOOD
#14 x 3/4" S.S. S.D.S. @ 12" O.C.
A FLOATING CLIP
B FIXED END CLIP

MTL. ROOF'G. CLIP @ SHEATH'G — **9**


PLYWOOD WEB JOIST SEE STRUCT.
2 x 3 WOOD STRIPPING 16" O.C. ATTACH W/ 2 10d TYP
2 LAYERS 1/2" TYPE 'X' GWB PER SFM 1060-339:100 FOR 1-HR RATING

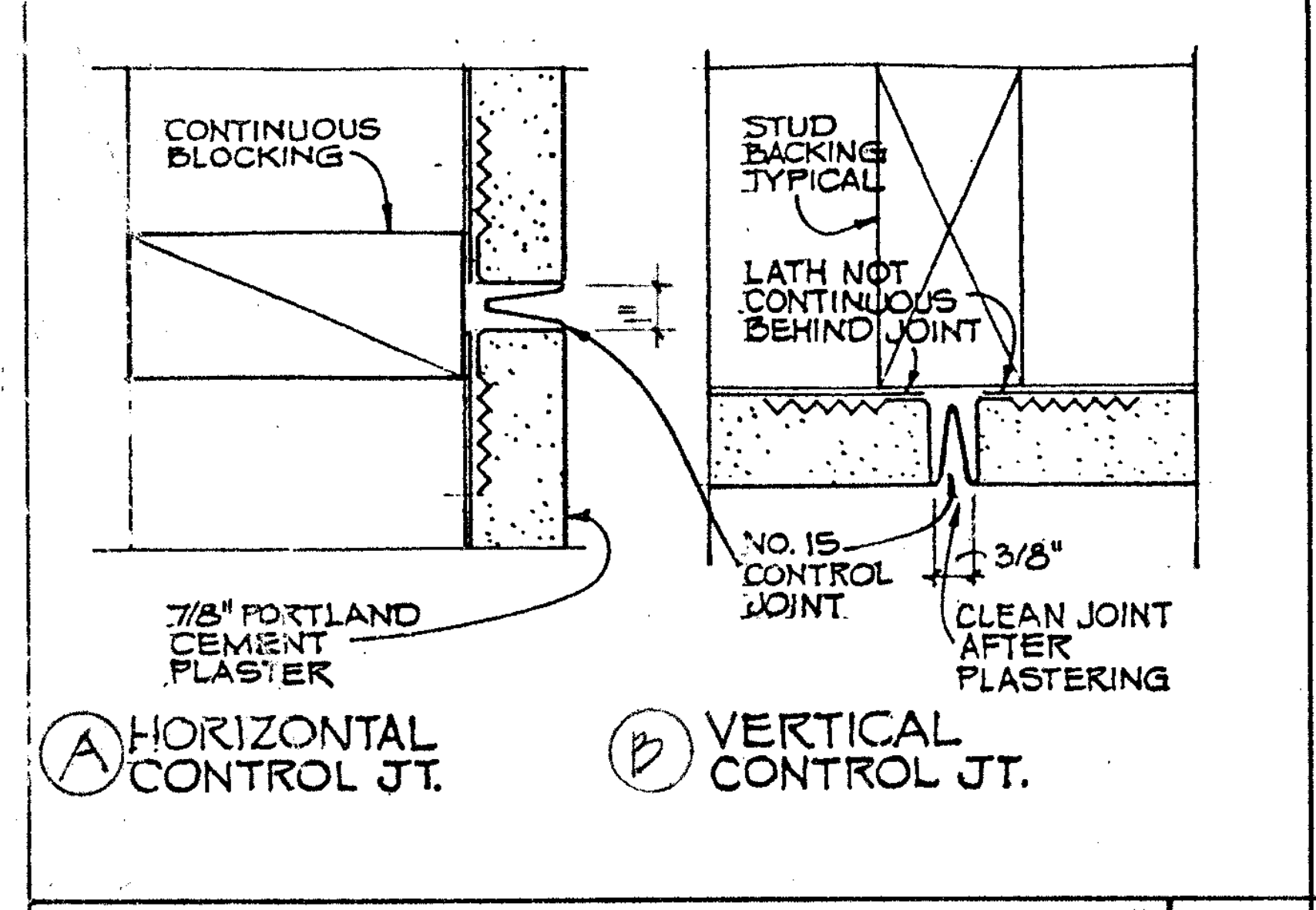
GWB CLG. ON STRIPPING 3" **10**

NOTE FOR ATTACHMENT OF HANGER SEE STRUCTURAL DETAIL 35/TD14

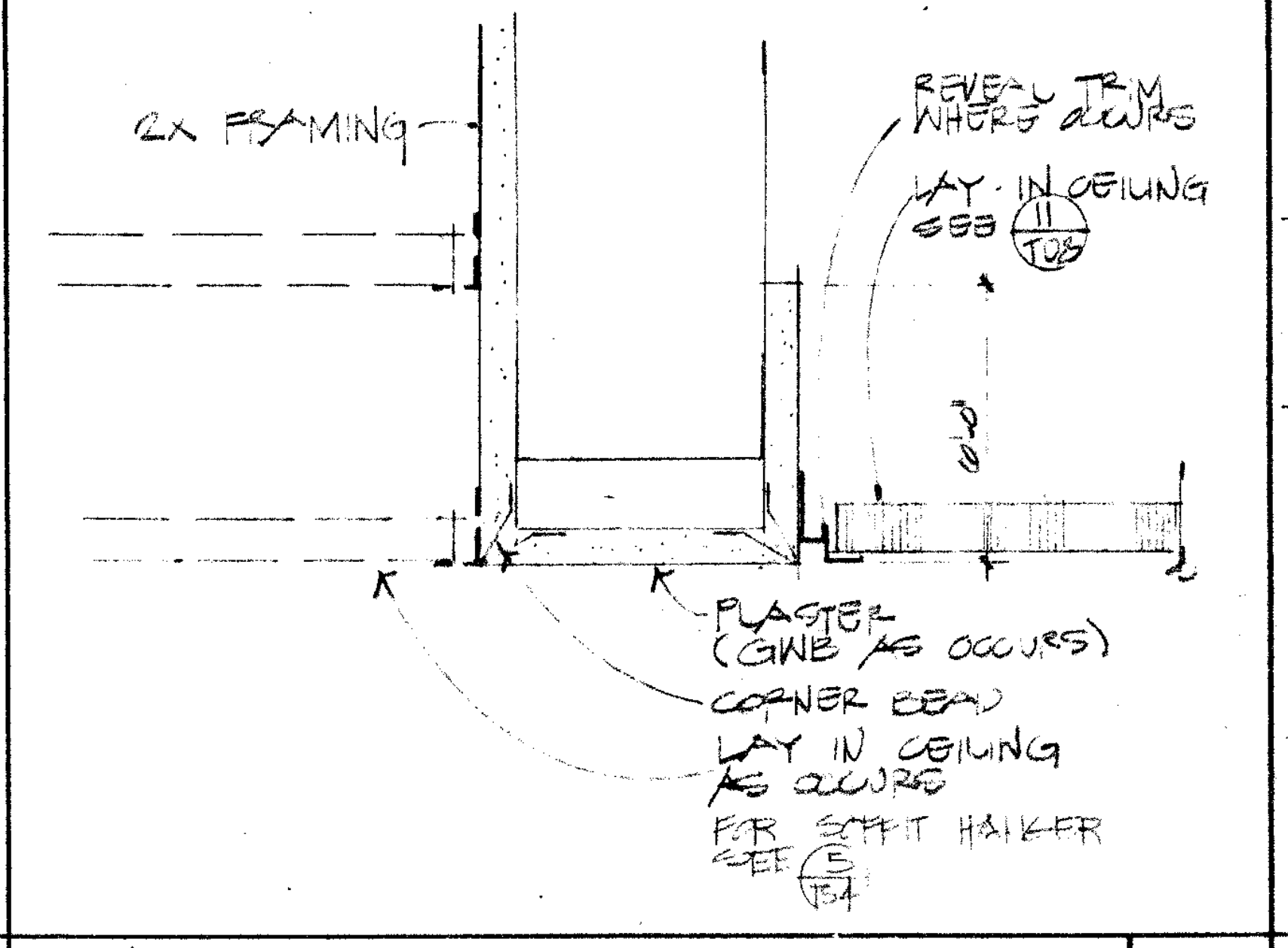

NO. 12 STEEL HANGER WIRES @ 4'-0" O.C. EA. WAY SECURE WIRES TO STRUCTURE ABOVE W/ 1/4" Φ EYE SCREW 3" LONG 1 1/4" MIN. PENETRATION INTO WOOD
#8 SCREWS @ 16" o/c
8" MAX.
'V' STRUTS @ 2 WALLS WHERE POP RIVET NOT TO BE USED
MAIN 'T' 48" O.C.
1/2" CLEAR
POP RIVET TWO ADJACENT SIDES
ACOUSTIC LAY-IN PANEL
REVEAL EDGE WHERE INDICATED
PERIMETER STARTER WALLS
OPPOSITE WALLS

FOR ADDITIONAL INFO REFER TO DETAIL 18/TD8

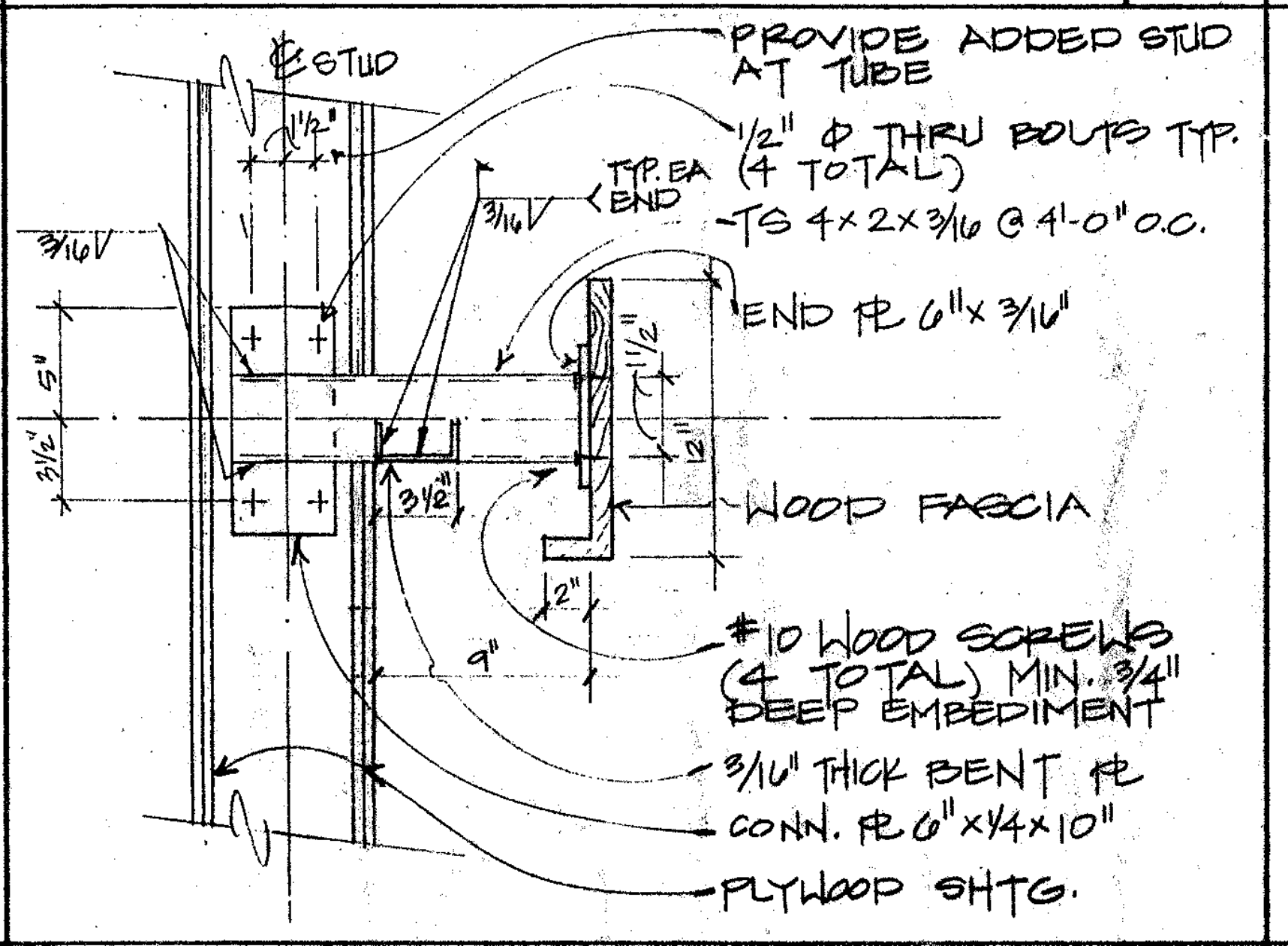
LAY-IN CLG. REQUIREMENTS NTS **11**


CONTINUOUS BLOCKING
STUD BACKING TYPICAL
LATH NOT CONTINUOUS BEHIND JOINT
NO. 15 CONTROL JOINT
3/8"
7/8" PORTLAND CEMENT PLASTER
CLEAN JOINT AFTER PLASTERING
A HORIZONTAL CONTROL JT.
B VERTICAL CONTROL JT.

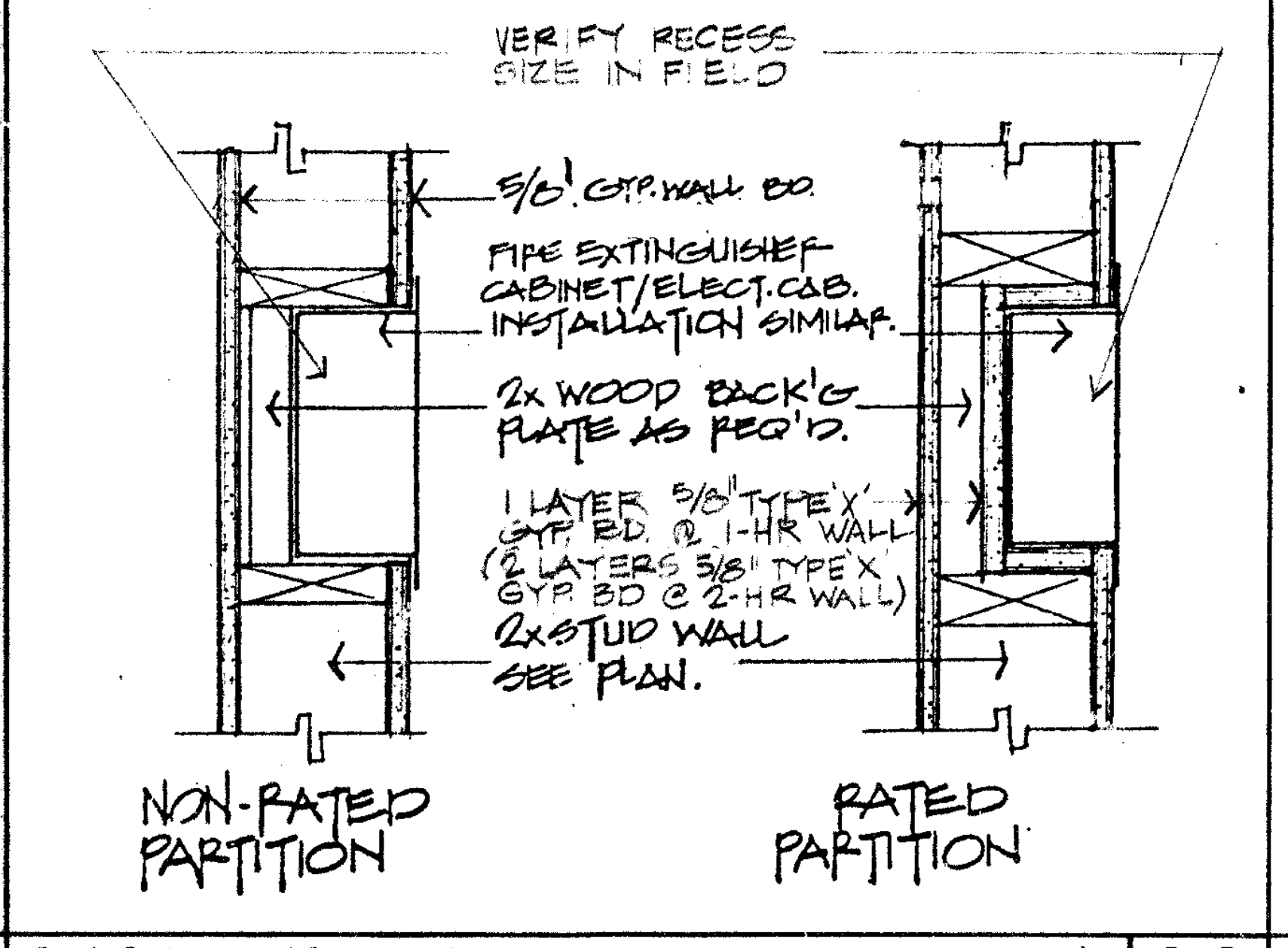
CONTROL JOINTS 3" **13**


2x FRAMING
REVEAL TRIM WHERE OCCURS
LAY-IN CEILING SEE 11/TD8
PLASTER (GWB AS OCCURS)
CORNER BEAD
LAY IN CEILING AS OCCURS
FOR SOFFIT HANGER SEE 5/TD4

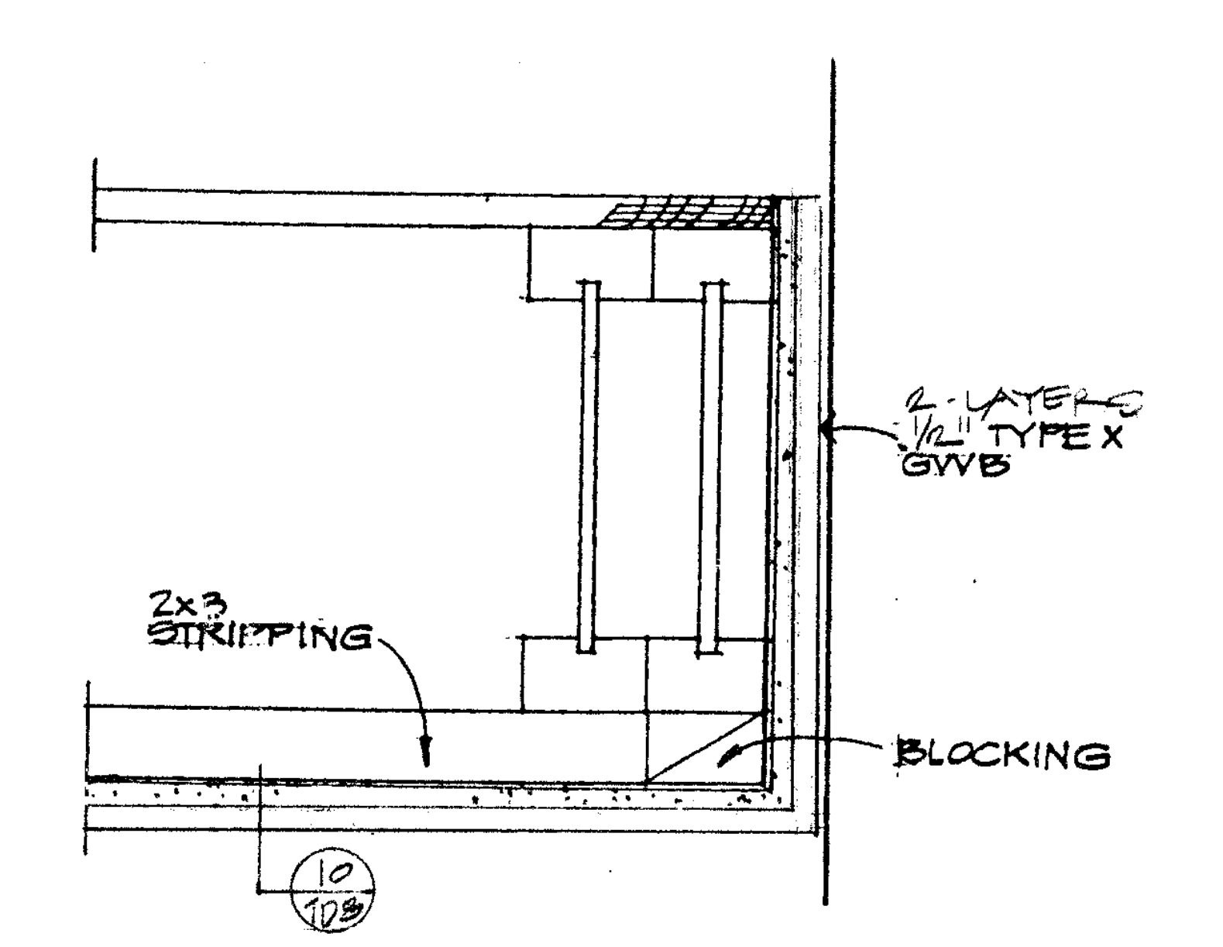
CEILING DETAIL 3" **14**


℄ STUD
PROVIDE ADDED STUD AT TUBE
1/2" Φ THRU BOLTS TYP. (4 TOTAL)
TYP. EA END
3/16
TS 4x2x3/16 @ 4'-0" O.C.
END PL 6" x 3/16"
WOOD FASCIA
#10 WOOD SCREWS (4 TOTAL) MIN. 3/4" DEEP EMBEDIMENT
3/16" THICK BENT PL CONN. PL 6" x 1/4 x 10"
PLYWOOD SHTG.
1 1/2"
5"
3 1/2"
2"
9"

WALL LIGHT ATTACHMENT 1 1/2" **15**


VERIFY RECESS SIZE IN FIELD
5/8" GYP. WALL BD.
FIRE EXTINGUISHER CABINET/ELECT. CAB. INSTALLATION SIMILAR.
2x WOOD BACK'G PLATE AS REQ'D.
1 LAYER 5/8" TYPE 'X' GYP. BD. @ 1-HR WALL (2 LAYERS 5/8" TYPE X GYP. BD @ 2-HR WALL)
2x STUD WALL SEE PLAN.
NON-RATED PARTITION
RATED PARTITION

RECESS FOR FIRE EXTINQUISHER AND/OR ELECTRIC CABINET NTS **16**


2-LAYERS 1/2" TYPE X GWB
2x3 STRIPPING
BLOCKING
10/TD8

1 HOUR ROOF PENETRATION 3" **17**

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILINGS
(Grid System to be "Intermediate Duty" Classification)

(a) General Requirements for design and installation of suspended acoustical ceiling systems are contained in UBC Standard No. 47-18 and in Section 2-4701, Title 24 for hospital buildings and public schools. This IR provides notes and details which represent typical methods of complying with these regulations and which are acceptable to the Office of the State Architect (OSA/SSS). Notes and details must be shown on approved contract drawings or specifications. Deferred approvals will not be acceptable. This does not preclude the designer from using other methods of installation if submitted to and approved by OSA/SSS.

(b) Ceiling Notes The following notes will be acceptable in plans and specifications for ceiling systems whose total weight including air conditioning grilles and light fixtures does not exceed four (4) psf. Heavier systems and those supporting lateral loads from partitions will require special design details.

(1) 12 ga. (min.) hanger wires may be used for up to and including 4'-0" x 4'-0" grid spacing along main runners. Splices will not be permitted in any hanger wires unless specifically approved by OSA/SSS.

(2) Provide 12 ga. hanger wires at the ends of all main and cross runners within 8" from the support or within 1/4 of the length of the end tee, whichever is least, for the perimeter of the ceiling area. End connections for runners which are designed and detailed to resist the applied horizontal forces may be used in lieu of the 12 ga. hanger wires subject to OSA/SSS review and approval.

(3) Provide trapeze or other supplementary support members at obstructions to main hanger spacing. Provide additional hangers, struts or braces as required at all ceiling breaks, soffits or discontinuous areas. Hanger wires that are more than 1 in 6 out of plumb are to have counter-sloping wires.

(4) Ceiling grid members may be attached to not more than 2 adjacent walls. Ceiling grid members should be at least 1/2 inch free of other walls. If walls run diagonally to ceiling grid system runners, one end of main and cross runners should be free at a minimum of 1/2 inch clear of wall.

(5) At the perimeter of the ceiling area where main or cross runners are not connected to the adjacent wall, provide interconnections between the runners at the free end to prevent lateral spreading. A metal strut or a 16 ga. wire with a positive mechanical connection to the runner may be used. Where the perpendicular distance from the wall to the first parallel runner is 12" or less, this interlock in not required.

(6) Provide sets of four 12 ga. splayed bracing wires oriented 90 degrees from each other at the following spacing:

(A) For school buildings, place sets of bracing wires at a spacing not more than 12 feet by 12 feet on center.

(B) For hospital buildings, place sets of gracing wires not more the 8 feet by 12 feet on center.

(C) Provide bracing wires at locations not more than 1/2 the spacings given in (A) and (B) above from each perimeter wall and at the edge of vertical ceiling offsets for both school and hospital buildings.

The slope of these wires should not exceed 45 degrees from the plane of the ceiling and should be taut without causing the ceiling lift. Splices in bracing wires are not to be permitted without special OSA/SSS approval.

(7) Fasten hanger wires with not less than 3 tight turns. Fasten bracing wires with 4 tight turns. Make all tight turns within a distance of 1-1/2 inches. Hanger or bracing wire anchors to the structure should be installed in such a manner that the direction of the wire aligns as closely as possible with the direction of the forces acting on the wire.

(8) Separate all ceiling hanging and bracing wires at least 6 inches from all unbraced ducts, pipes, conduit, etc. It is acceptable to attach lightweight items, such as single electrical conduit not exceeding 3/4" nominal diameter, to hanger wires using connectors acceptable to OSA/SSS.

(9) Attach all light fixtures to the ceiling grid runners to resist a horizontal force equal to the weight of the fixtures.

(10) Flush or recessed light fixtures and air terminals or services weighing less than 56 pounds may be supported directly on the runners of a heavy duty grid system but, in addition, they must have a minimum of two 12 ga. slack safety wires attached to the fixtures at diagonal corners and anchored to the structure above. All 4 ft. x 4 ft. light fixtures must have slack safety wires at each corner.

All flush or recessed light fixtures and air terminals or services weighing 56 pounds of more must be independently supported by not less than 4 taut 12 ga. wires each attached to the fixture and to the structure above regardless of the type of ceiling grid system used.

The 4 taut 12 ga. wires including their attachment to the structure above must be capable of supporting 4 times the weight of the unit.

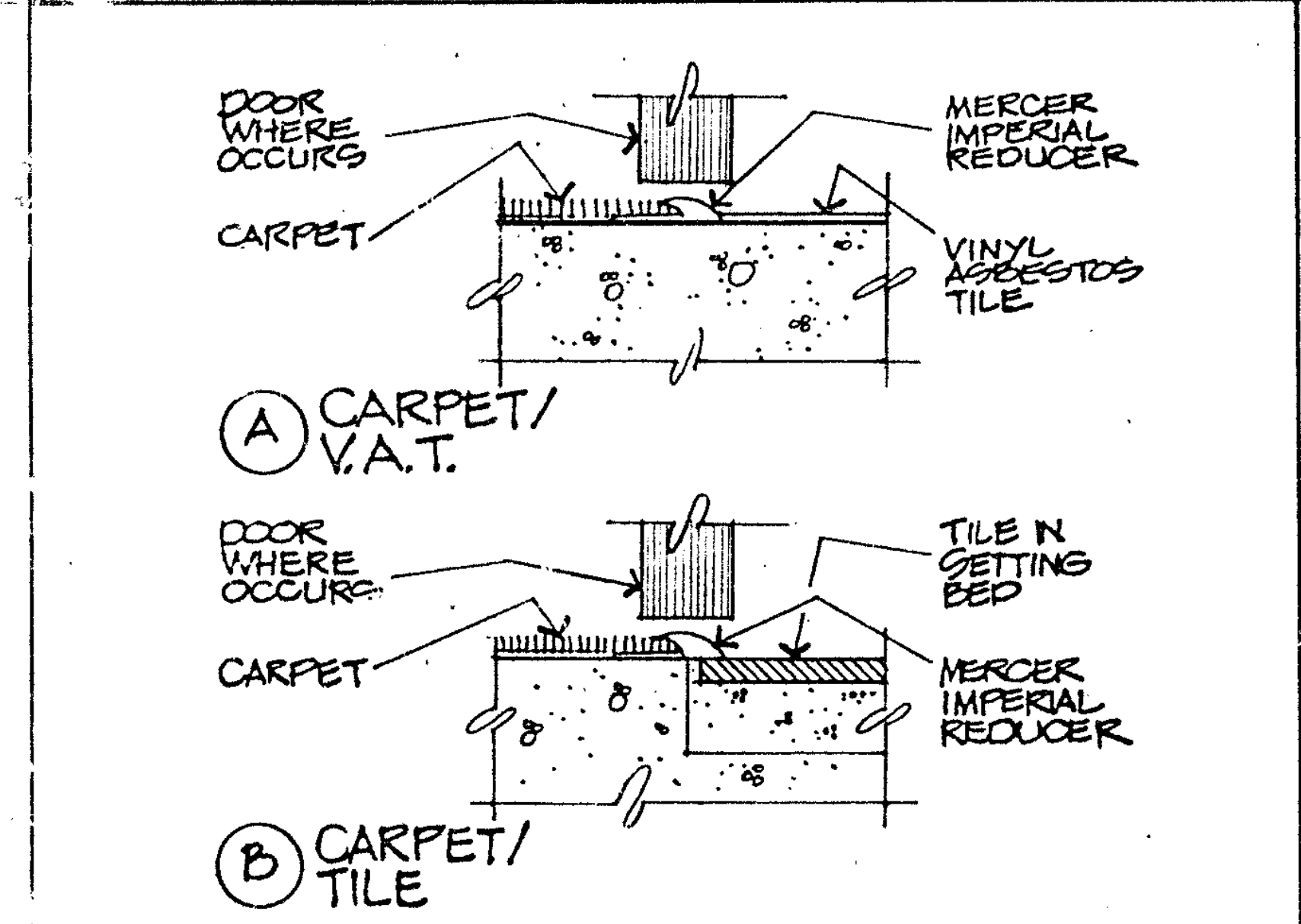
(11) All fixtures and air terminals or services supported on intermediate duty grid systems must be independently supported by not less than 4 taut 12 ga. wires each attached to the fixture or terminal and to the structure above.

(12) Support surface mounted light fixtures by at least two positive devices which surround the ceiling runner and which are each supported from the structure above by 12 ga. wire. Spring clips or clamps that connect only to the runner are not acceptable.

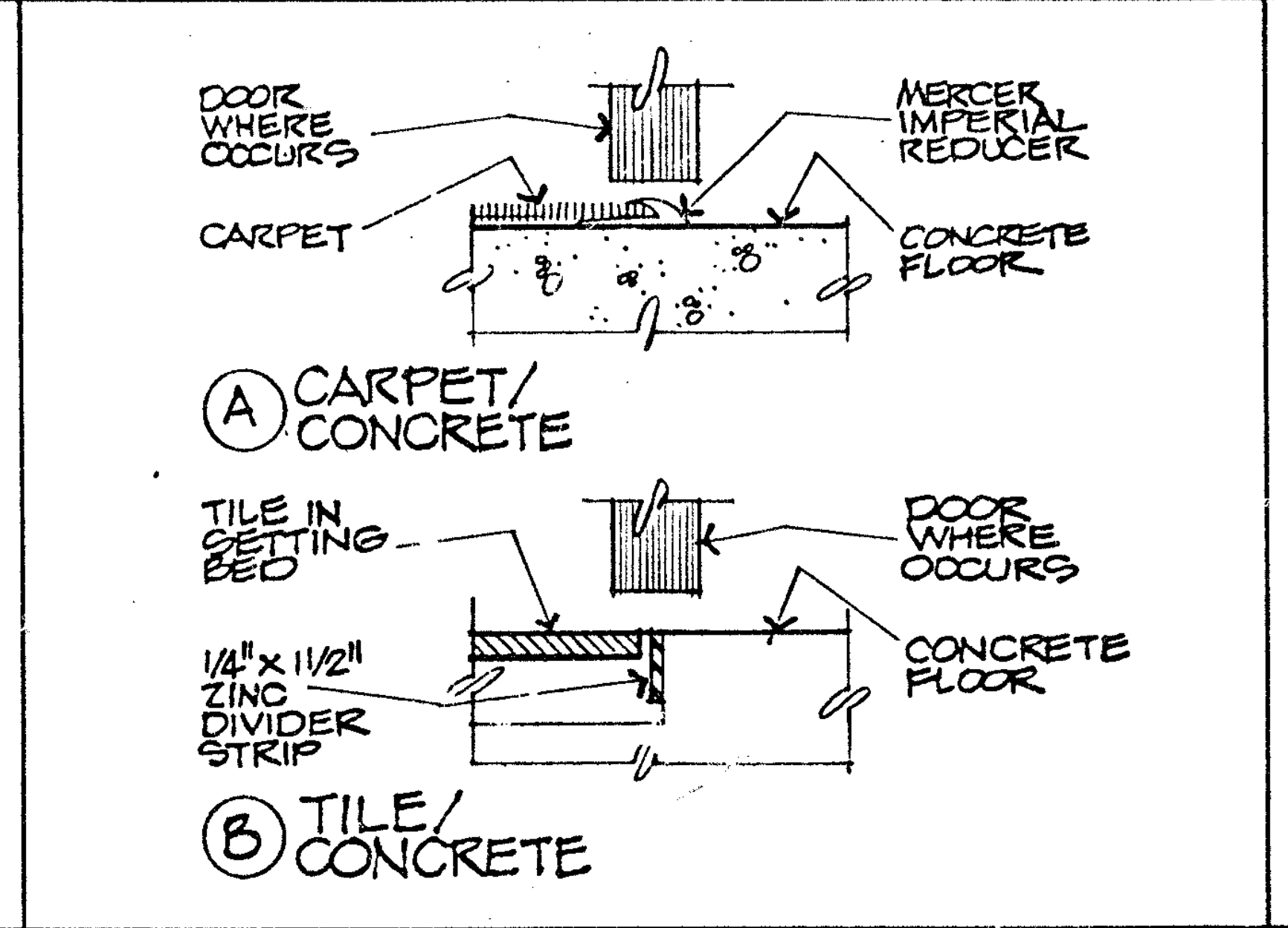
Provide additional supports when light fixtures are 8 feet or longer.

(13) Support pendant mounted light fixtures directly from the structure above with hanger wires or cables passing through each pendant hanger and capable of supporting 4 times the weight of the fixture. (See also Note 9, paragraph (b)). Special details are necessary for this condition at the ceiling grid.

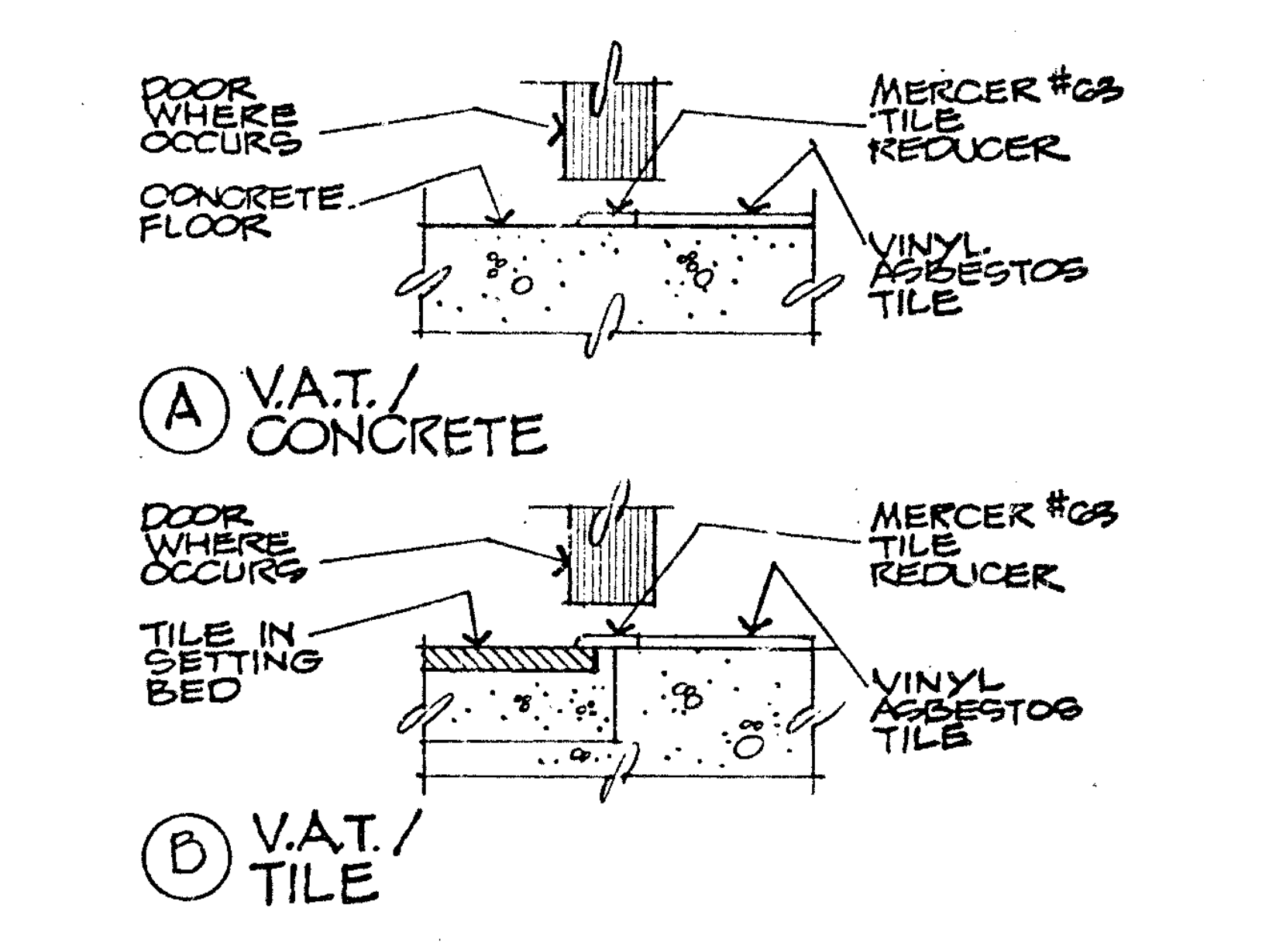
LAY-IN CLG. REQUIREMENTS NTS **18**


DOOR WHERE OCCURS
CARPET
MERCER IMPERIAL REDUCER
VINYL ASBESTOS TILE
A CARPET/ V.A.T.
DOOR WHERE OCCURS
CARPET
TILE IN SETTING BED
MERCER IMPERIAL REDUCER
B CARPET/ TILE

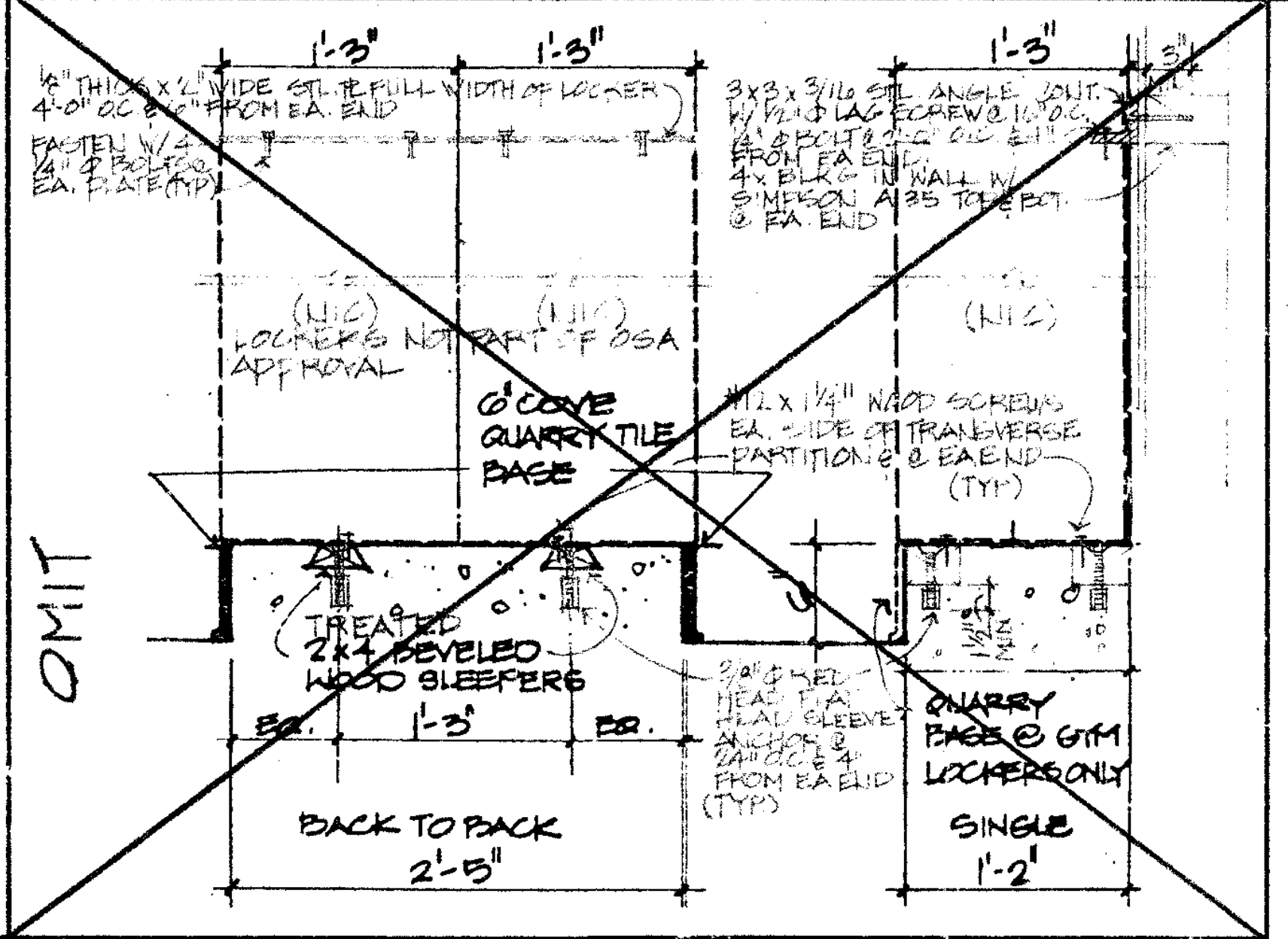
FLOOR FIN. TRANSITION NTS **19**


DOOR WHERE OCCURS
CARPET
MERCER IMPERIAL REDUCER
CONCRETE FLOOR
A CARPET/ CONCRETE
TILE IN SETTING BED
1/4" x 1 1/2" ZINC DIVIDER STRIP
DOOR WHERE OCCURS
CONCRETE FLOOR
B TILE/ CONCRETE

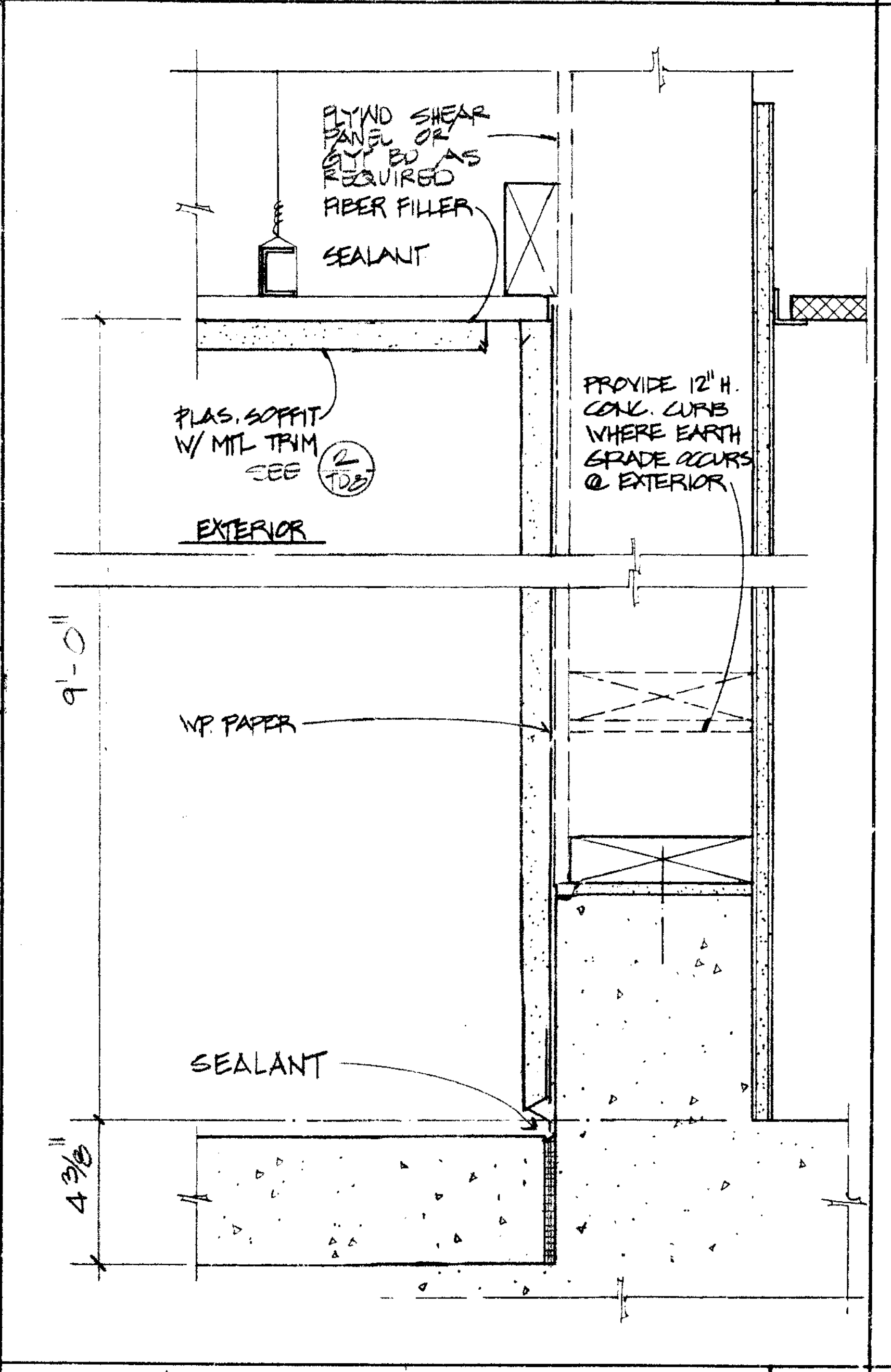
FLOOR FIN. TRANSITION NTS **20**

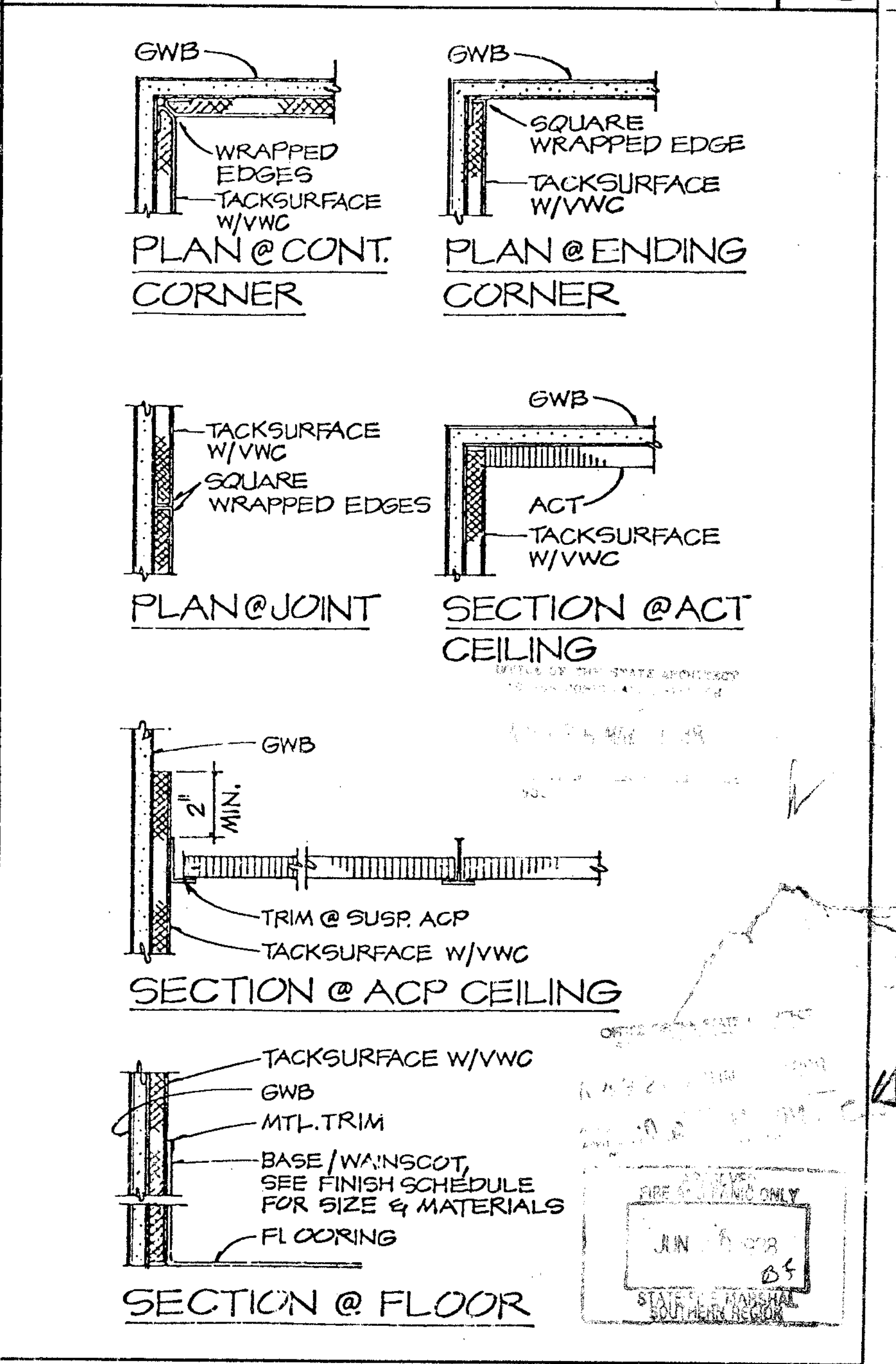

DOOR WHERE OCCURS
CONCRETE FLOOR
MERCER #63 TILE REDUCER
VINYL ASBESTOS TILE
A V.A.T./ CONCRETE
DOOR WHERE OCCURS
TILE IN SETTING BED
MERCER #63 TILE REDUCER
VINYL ASBESTOS TILE
B V.A.T./ TILE

FLOOR FIN. TRANSITION NTS **21**

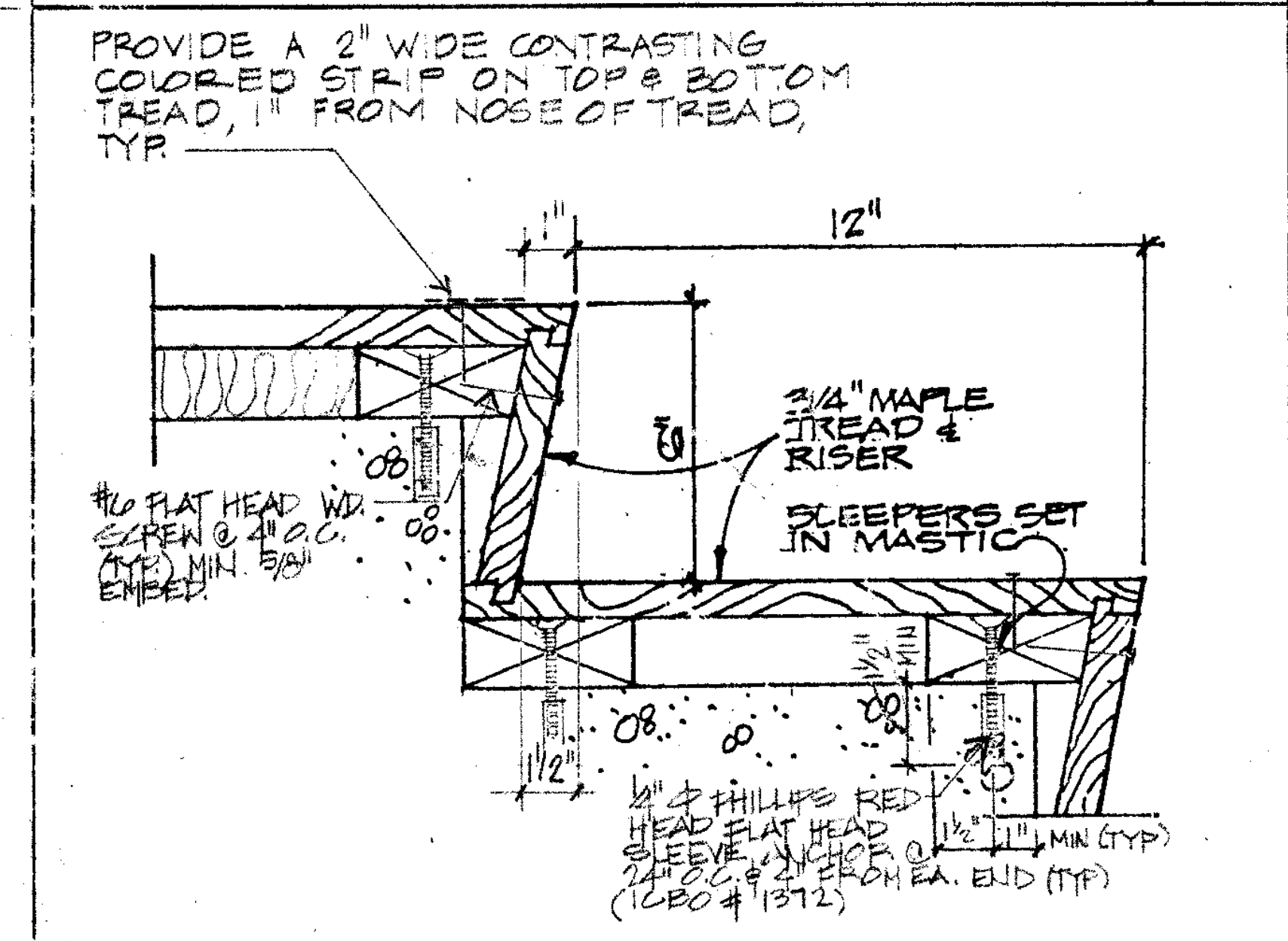

OMIT
1'-3"
1'-3"
1'-3"
5"
1/4" THICK x 2" WIDE STL. PL FULL WIDTH OF LOCKER 4'-0" O.C. & 6" FROM EA. END
FASTEN W/ 4 1/4" Φ BOLTS EA. PLATE (TYP)
3x3x3/16 STL. ANGLE CONT. W/ 1/2" Φ LAG SCREW @ 16" O.C. 1/2" Φ BOLT @ 2'-0" O.C. & 4" FROM EA END 4x BLKG IN WALL W/ SIMPSON A35 TOP & BOT. @ EA. END
(N.I.C.)
LOCKERS NOT PART OF OSA APPROVAL
6" COVE QUARRY TILE BASE
#12 x 1 1/4" WOOD SCREWS EA. SIDE OF TRANSVERSE PARTITION & @ EA END (TYP)
TREATED 2x4 BEVELED WOOD SLEEPERS
EQ. 1'-3" EQ.
3/8" Φ RED HEAD FLAT HEAD SLEEVE ANCHOR @ 24" O.C. & 4" FROM EA END (TYP)
QUARRY BASE @ GYM LOCKERS ONLY
BACK TO BACK 2'-5"
SINGLE 1'-2"

CONC. CURB @ LOCKERS 1" **22**

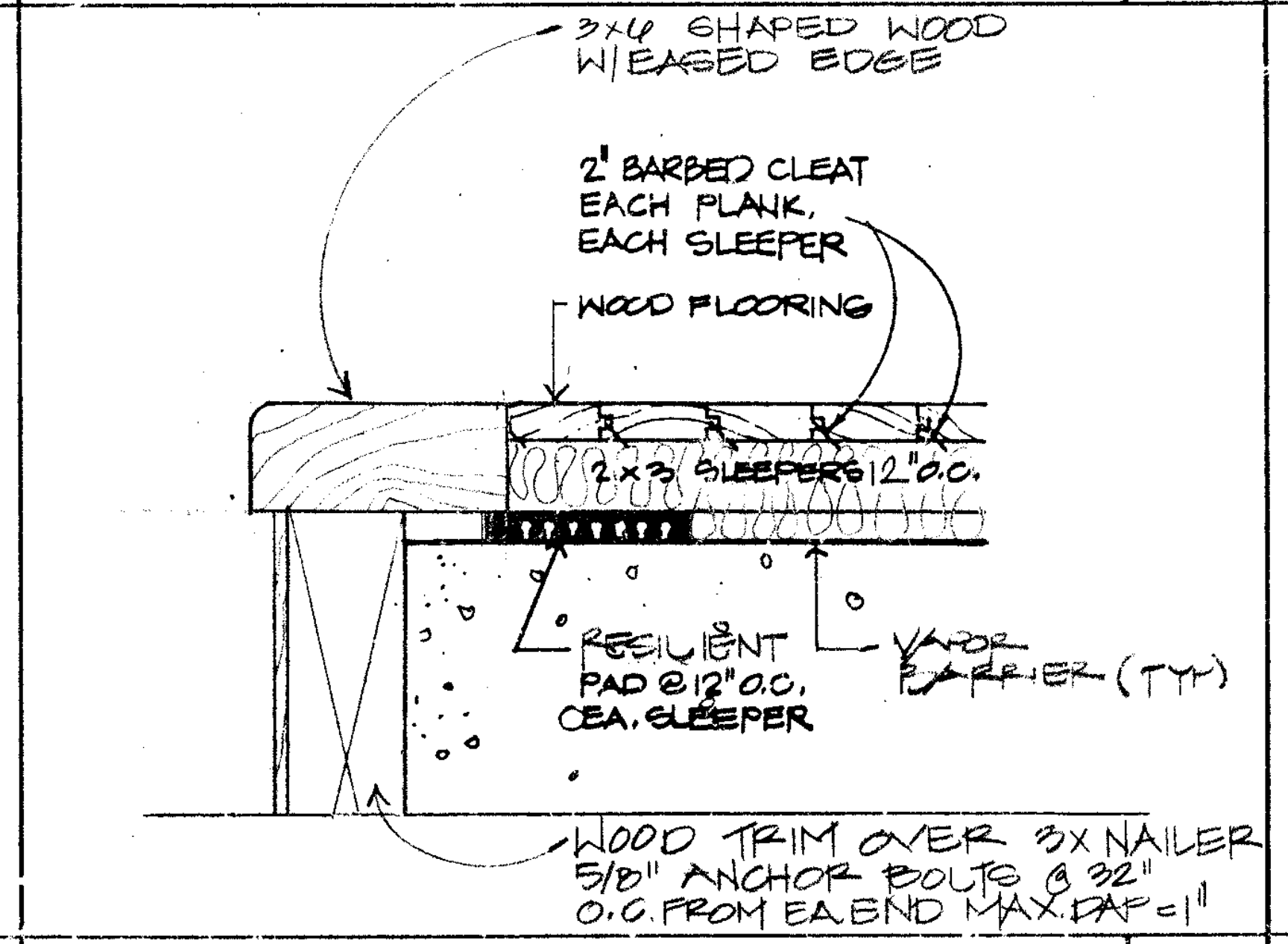

PLYWD SHEAR PANEL OR GYP BD AS REQUIRED
FIBER FILLER
SEALANT
PLAS. SOFFIT W/ MTL TRIM SEE 2/TD8
EXTERIOR
PROVIDE 12" H. CONC. CURB WHERE EARTH GRADE OCCURS @ EXTERIOR
9'-0"
W.P. PAPER
SEALANT
4 3/8"


GWB
WRAPPED EDGES
TACKSURFACE W/VWC
PLAN @ CONT. CORNER
GWB
SQUARE WRAPPED EDGE
TACKSURFACE W/VWC
PLAN @ ENDING CORNER
TACKSURFACE W/VWC
SQUARE WRAPPED EDGES
PLAN @ JOINT
GWB
ACT
TACKSURFACE W/VWC
SECTION @ ACT CEILING
GWB
2" MIN.
TRIM @ SUSP. ACP
TACKSURFACE W/VWC
SECTION @ ACP CEILING
TACKSURFACE W/VWC
GWB
MTL. TRIM
BASE/WAINSCOT, SEE FINISH SCHEDULE FOR SIZE & MATERIALS
FLOORING
SECTION @ FLOOR

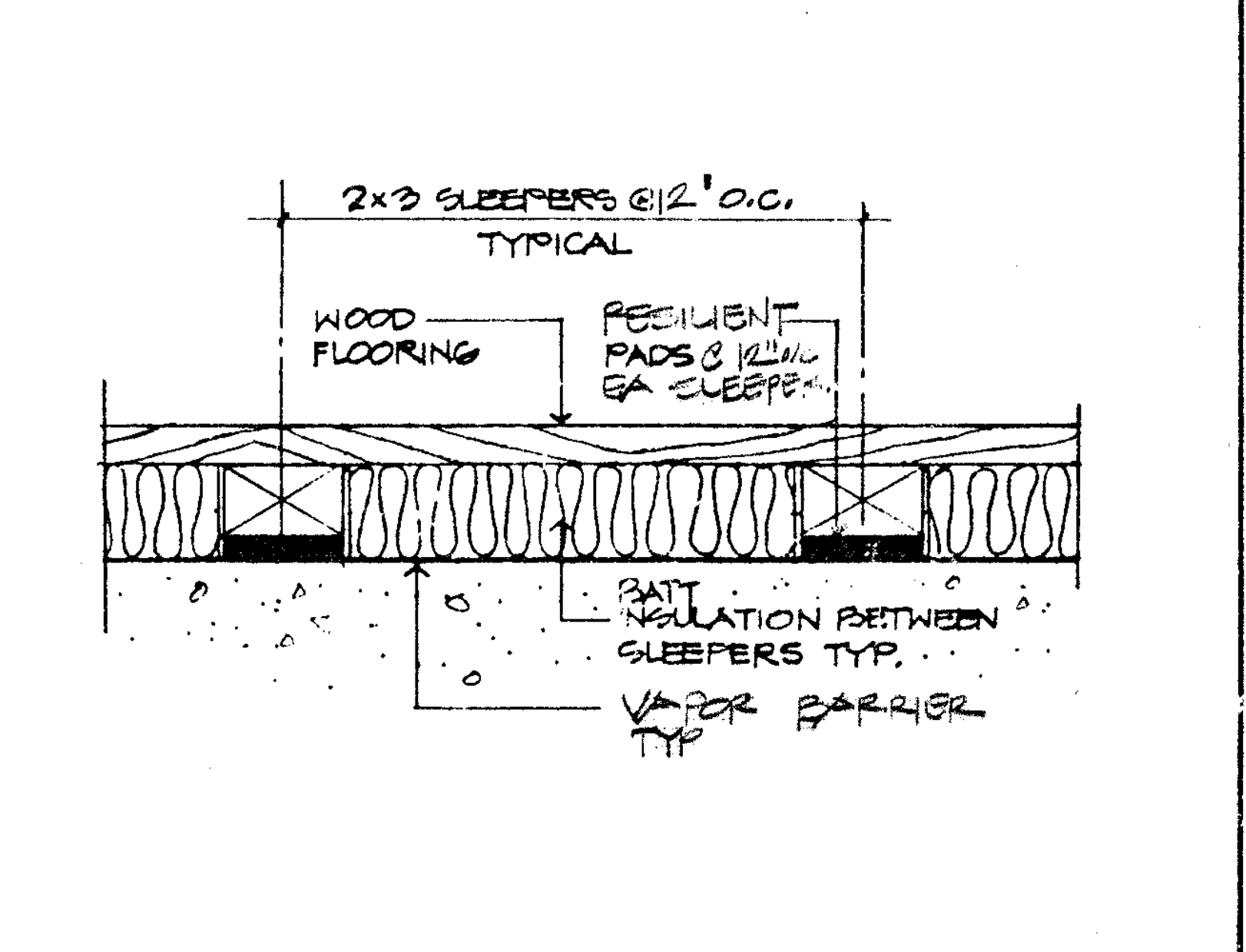
FIRE & PANIC ONLY
JUN
STATE FIRE MARSHAL SOUTHERN REGION


PROVIDE A 2" WIDE CONTRASTING COLORED STRIP ON TOP & BOTTOM TREAD, 1" FROM NOSE OF TREAD, TYP.
1"
12"
3/4" MAPLE TREAD & RISER
SLEEPERS SET IN MASTIC
#6 FLAT HEAD WD. SCREW @ 4" O.C. (TYP) MIN. 5/8" EMBED.
1 1/2"
1/4" Φ PHILLIPS RED HEAD FLAT HEAD SLEEVE ANCHOR @ 24" O.C. & 2" FROM EA. END (TYP) (ICBO #1372)
1 1/2" 1" MIN (TYP)

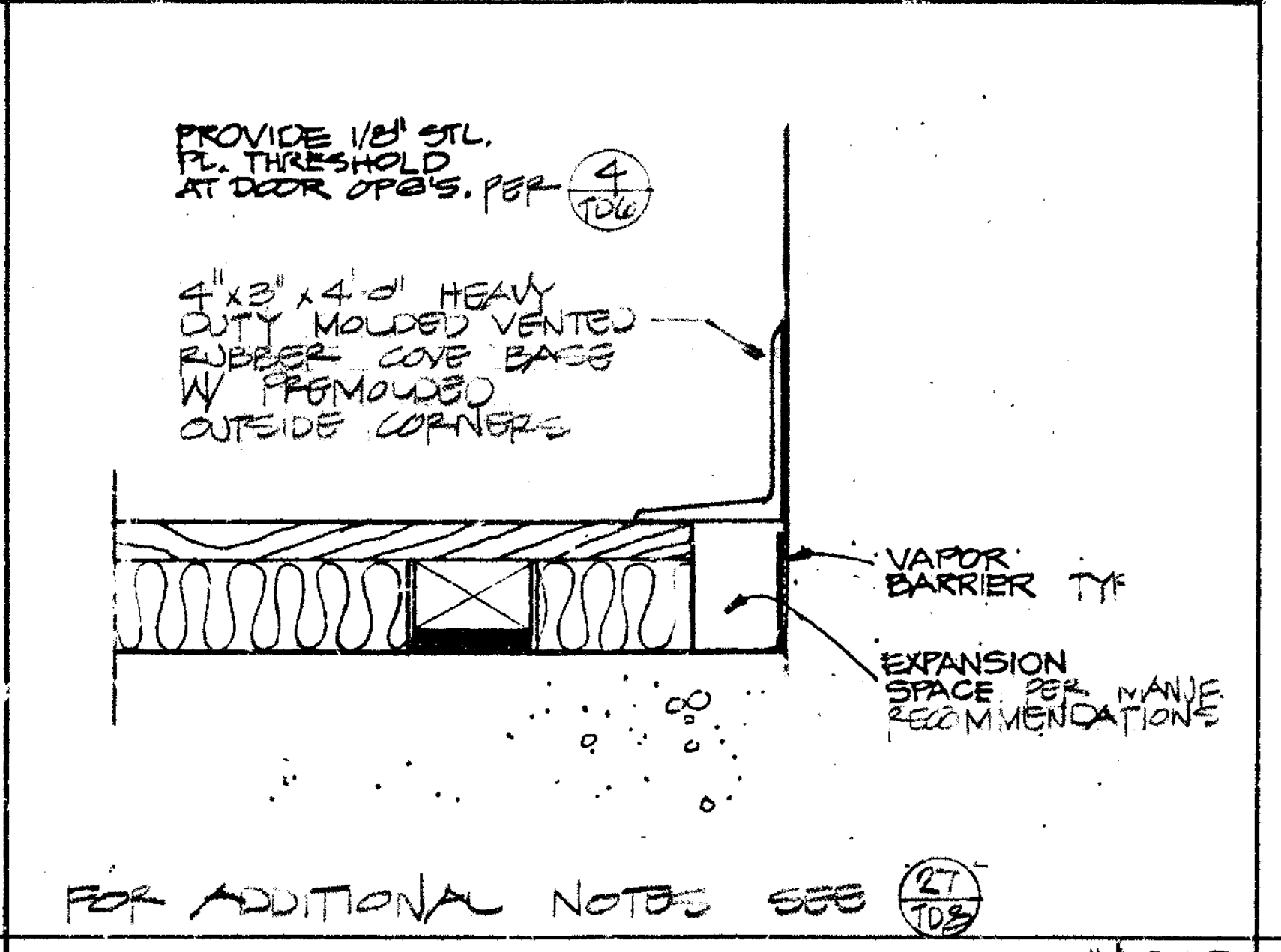
WOOD STAIRS 3" **25**


3x6 SHAPED WOOD W/ EASED EDGE
2" BARBED CLEAT EACH PLANK, EACH SLEEPER
WOOD FLOORING
2x3 SLEEPERS 12" O.C.
RESILIENT PAD @ 12" O.C. @ EA. SLEEPER
VAPOR BARRIER (TYP)
WOOD TRIM OVER 3X NAILER 5/8" ANCHOR BOLTS @ 32" O.C. FROM EA END MAX. GAP = 1"

EDGE OF WOOD FLOOR 3" **26**


2x3 SLEEPERS @ 12" O.C. TYPICAL
WOOD FLOORING
RESILIENT PADS @ 12" o/c EA SLEEPER
BATT INSULATION BETWEEN SLEEPERS TYP.
VAPOR BARRIER TYP

WOOD FLOORING 3" **27**


PROVIDE 1/8" STL. PL. THRESHOLD AT DOOR OPG'S. PER 4/TD6
4" x 3" x 4'-0" HEAVY DUTY MOLDED VENTED RUBBER COVE BASE W/ PREMOLDED OUTSIDE CORNERS
VAPOR BARRIER TYP
EXPANSION SPACE PER MANUF. RECOMMENDATIONS

FOR ADDITIONAL NOTES SEE 27/TD8

EDGE OF WOOD FLOOR 3" **28**

HEAD/BASE @ TYP. WALL 3" **29**

VINYL TACK SURFACE NTS **30**

Drawn By
Checked By
Date MARCH 1988
Commission No. 1.32.05

Revisions
BID JANUARY 1991

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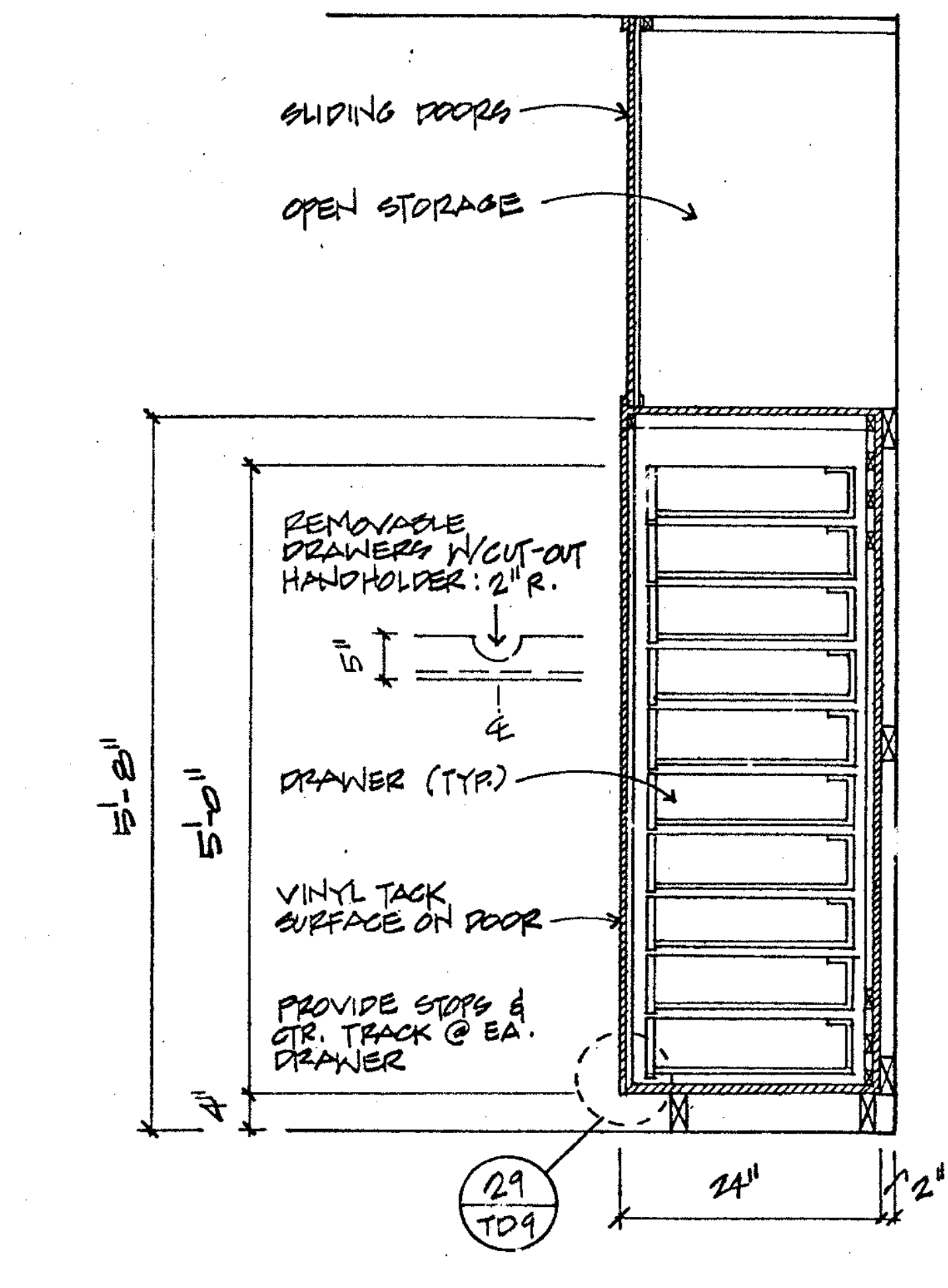
Grossmont Union High School District
San Diego, Ca San Diego County

TYPICAL DETAILS

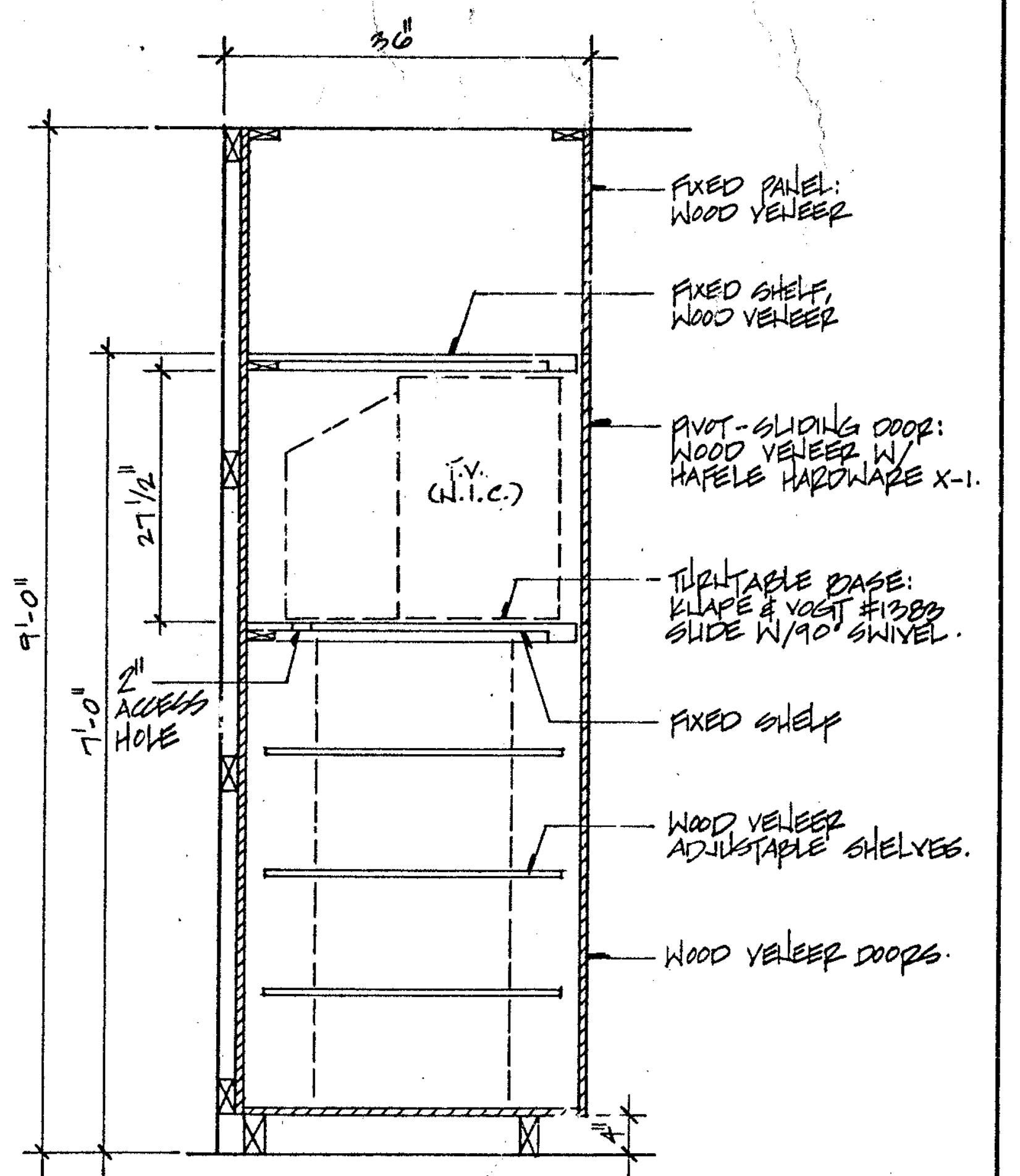
Sheet Number
TD-8
25 Of Sheets

INCREMENT 2


SLIDING DOORS
OPEN STORAGE
REMOVABLE DRAWERS W/CUT-OUT HANDHOLDER: 2"R.
5"
℄
DRAWER (TYP.)
VINYL TACK SURFACE ON DOOR
PROVIDE STOPS & CTR. TRACK @ EA. DRAWER
5'-8"
5'-0"
4"
24"
2"
29
TD9

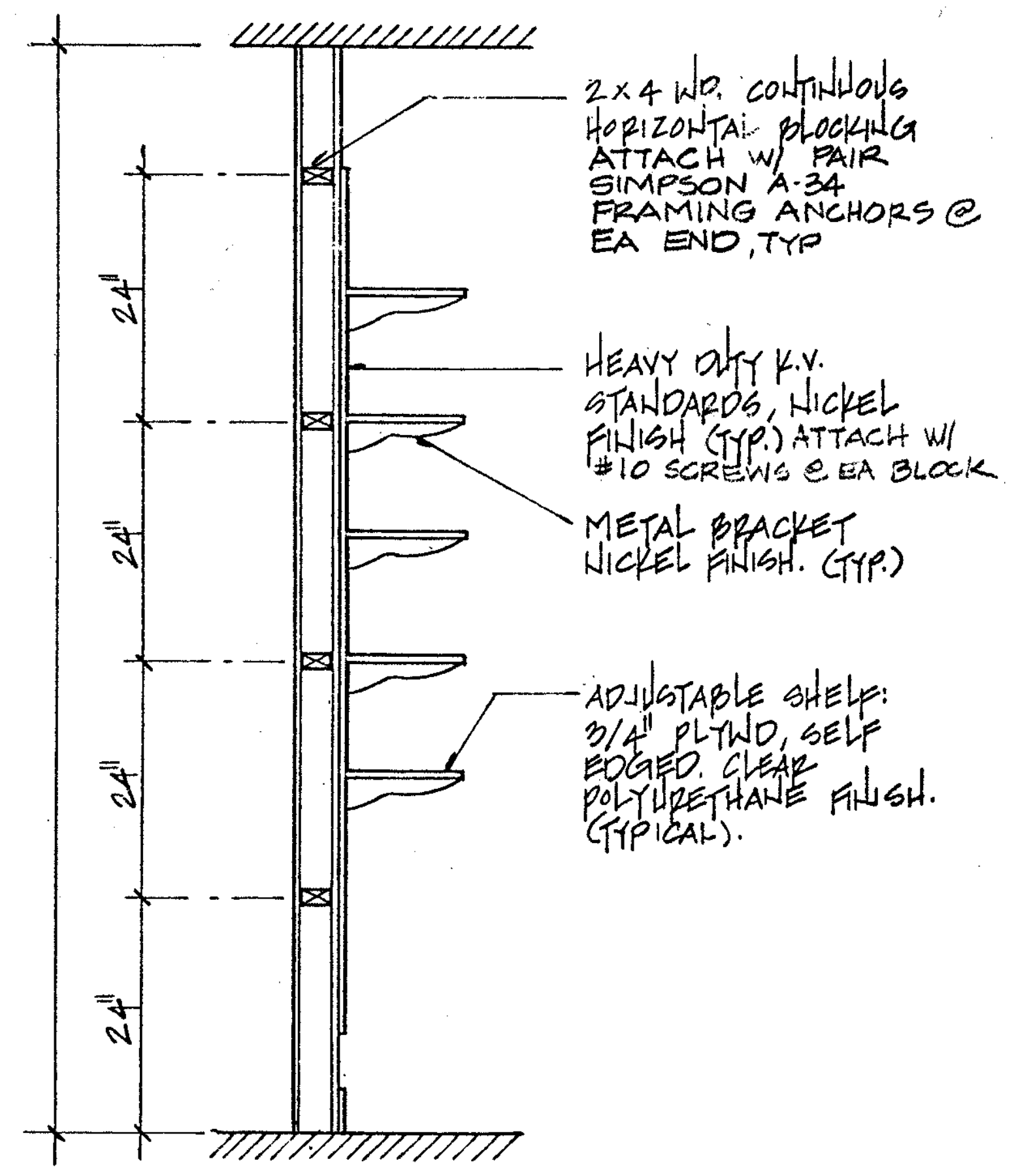
FOR ANCHORAGE SEE (10/–)

STUDENT DRAWERS 3/4" 7

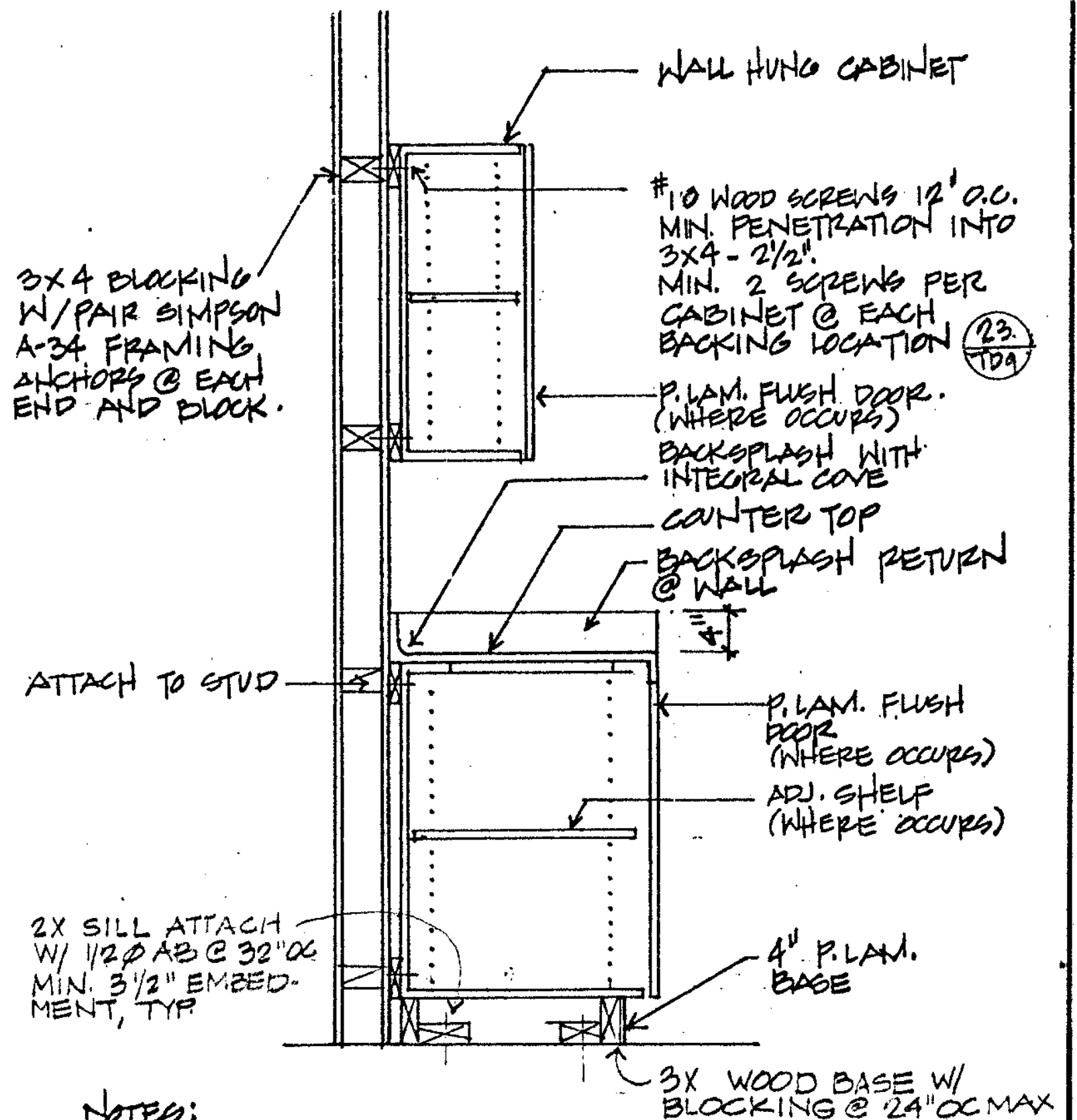

36"
FIXED PANEL: WOOD VENEER
FIXED SHELF, WOOD VENEER
PIVOT-SLIDING DOOR: WOOD VENEER W/ HAFELE HARDWARE X-1.
T.V. (N.I.C.)
TURNTABLE BASE: KNAPE & VOGT #1383 SLIDE W/90° SWIVEL.
FIXED SHELF
WOOD VENEER ADJUSTABLE SHELVES.
WOOD VENEER DOORS.
27 1/2"
9'-0"
7'-0"
2" ACCESS HOLE
4"

FOR ANCHORAGE SEE (10/–)

T.V. CABINET 3/4" 8

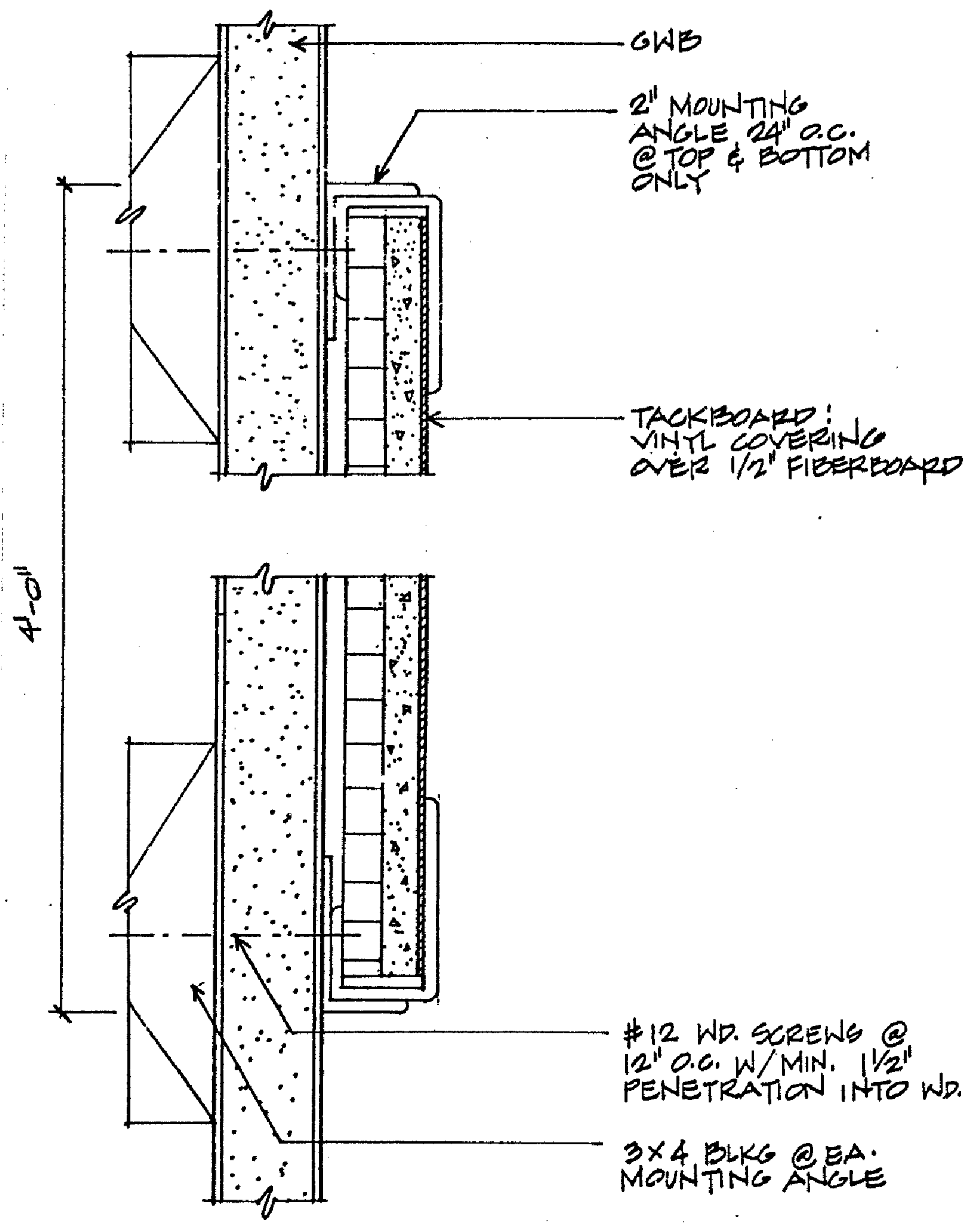

2×4 WD. CONTINUOUS HORIZONTAL BLOCKING ATTACH W/ PAIR SIMPSON A-34 FRAMING ANCHORS @ EA END, TYP
HEAVY DUTY K.V. STANDARDS, NICKEL FINISH (TYP.) ATTACH W/ #10 SCREWS @ EA BLOCK
METAL BRACKET NICKEL FINISH. (TYP.)
ADJUSTABLE SHELF: 3/4" PLYWD, SELF EDGED. CLEAR POLYURETHANE FINISH. (TYPICAL).
24"
24"
24"
24"

CUSTODIAL SHELVING 3/4" 9

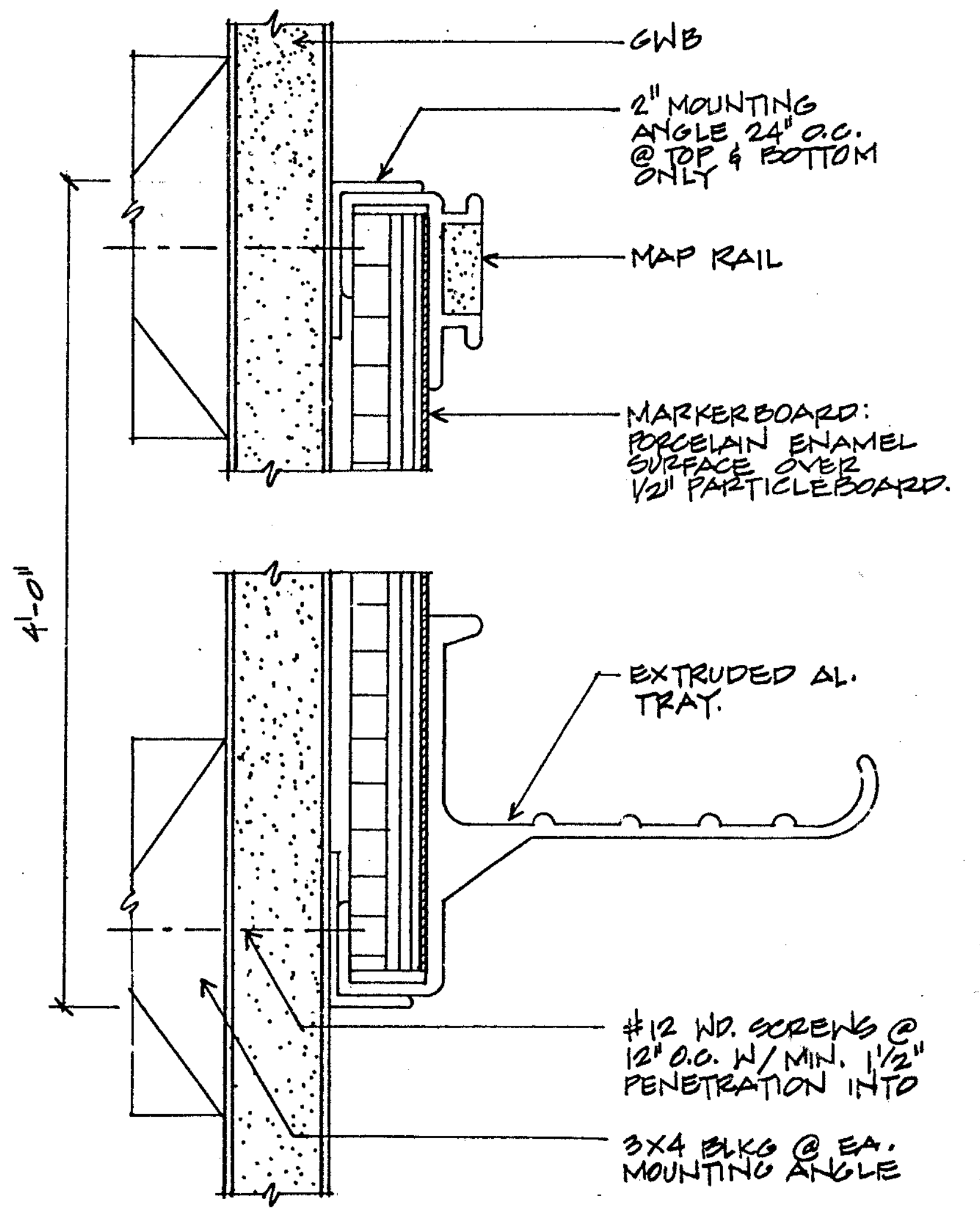

WALL HUNG CABINET
#10 WOOD SCREWS 12" O.C. MIN. PENETRATION INTO 3×4 - 2 1/2". MIN. 2 SCREWS PER CABINET @ EACH BACKING LOCATION (23/TD9)
3×4 BLOCKING W/PAIR SIMPSON A-34 FRAMING ANCHORS @ EACH END AND BLOCK.
P. LAM. FLUSH DOOR. (WHERE OCCURS)
BACKSPLASH WITH INTEGRAL COVE
COUNTER TOP
BACKSPLASH RETURN @ WALL
4"
ATTACH TO STUD
P. LAM. FLUSH DOOR (WHERE OCCURS)
ADJ. SHELF (WHERE OCCURS)
2X SILL ATTACH W/ 1/2"Ø AB @ 32" OC MIN. 3 1/2" EMBEDMENT, TYP
4" P. LAM. BASE
3X WOOD BASE W/ BLOCKING @ 24" OC MAX

NOTES:
VERIFY VERTICAL SPACING REQUIREMENTS WITH CABINET MANUFACTURER.
· SIMILAR ANCHORAGE FOR TALL CABINETS, EXCEPT ANCHOR AT TOP AND BOTTOM. AND @ 24" O.C. MAX.

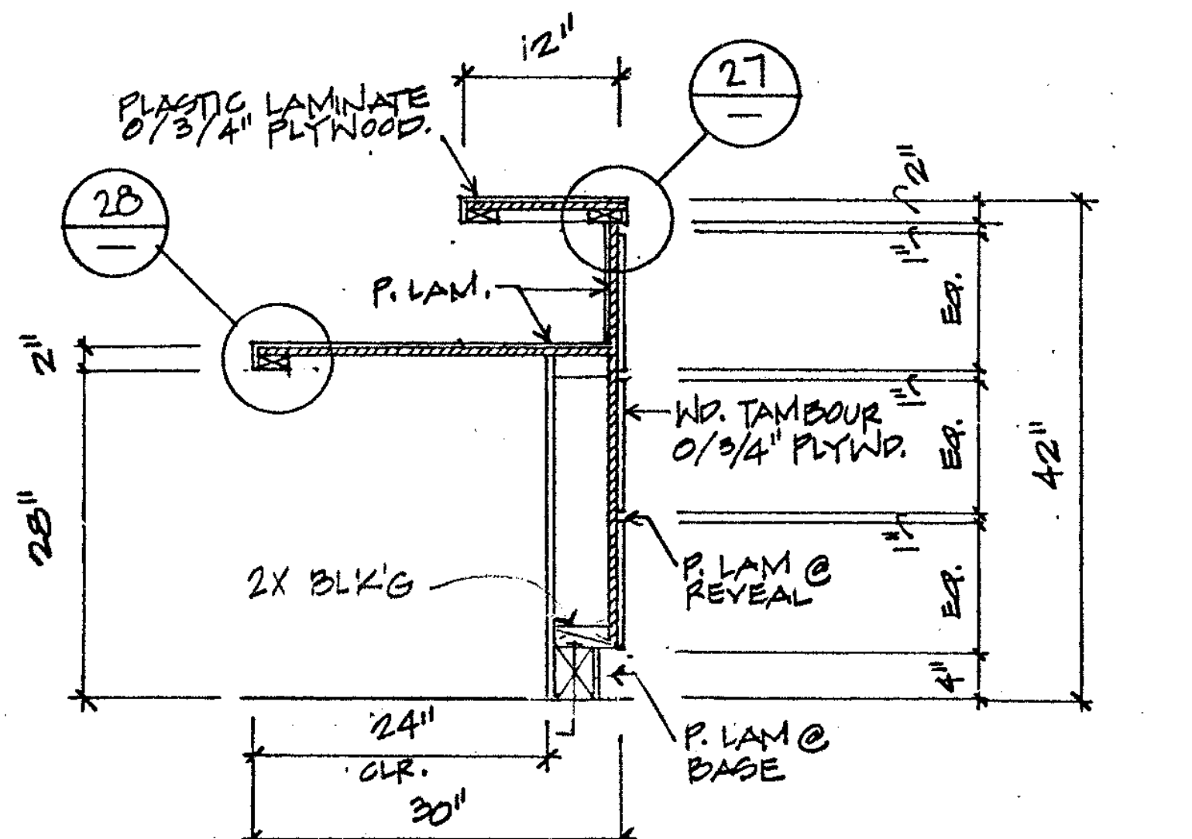
TYP. CABINET ANCHORAGE 3/4" 10


GWB
2" MOUNTING ANGLE 24" O.C. @ TOP & BOTTOM ONLY
TACKBOARD: VINYL COVERING OVER 1/2" FIBERBOARD
4'-0"
#12 WD. SCREWS @ 12" O.C. W/MIN. 1 1/2" PENETRATION INTO WD.
3×4 BLKG @ EA. MOUNTING ANGLE

TACK BOARD NTS 11

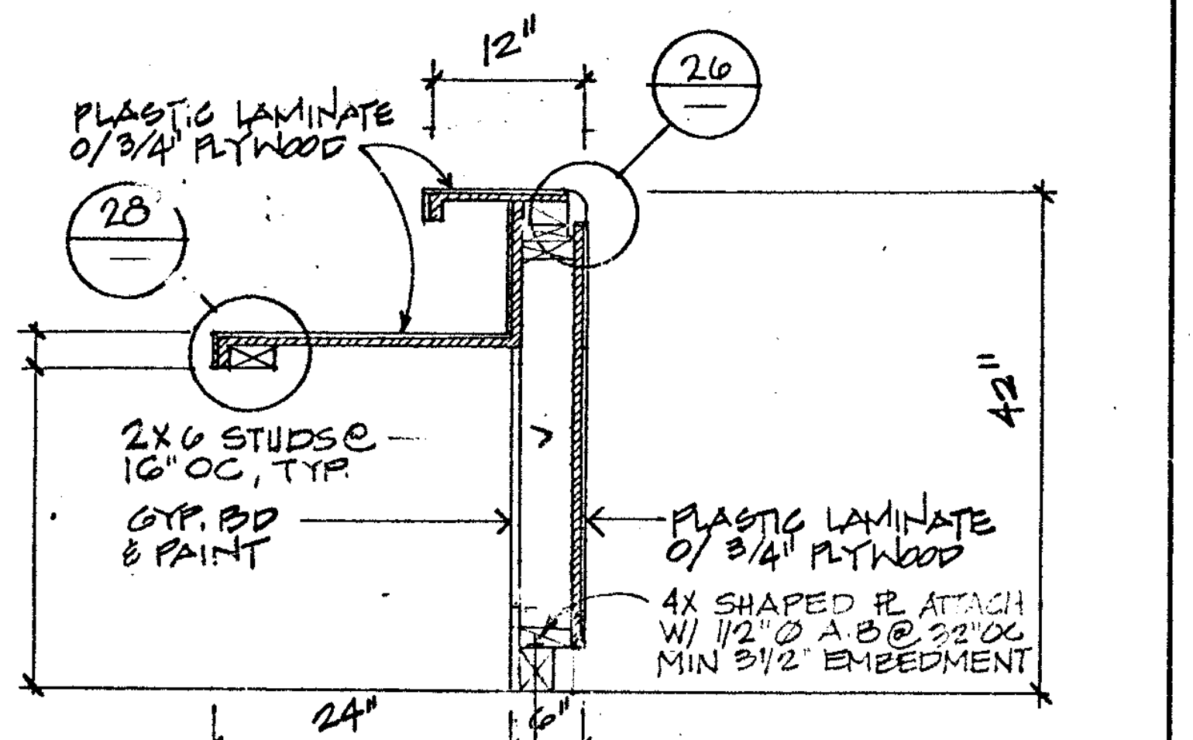

GWB
2" MOUNTING ANGLE 24" O.C. @ TOP & BOTTOM ONLY
MAP RAIL
MARKERBOARD: PORCELAIN ENAMEL SURFACE OVER 1/2" PARTICLEBOARD.
4'-0"
EXTRUDED AL. TRAY.
#12 WD. SCREWS @ 12" O.C. W/ MIN. 1 1/2" PENETRATION INTO
3X4 BLKG @ EA. MOUNTING ANGLE

MARKER BOARD NTS 12


PLASTIC LAMINATE O/3/4" PLYWOOD.
12"
27
28
P. LAM.
2"
WD. TAMBOUR O/3/4" PLYWD.
28"
2X BLK'G
P. LAM @ REVEAL
P. LAM @ BASE
24"
CLR.
30"
EQ.
EQ.
EQ.
42"
4"

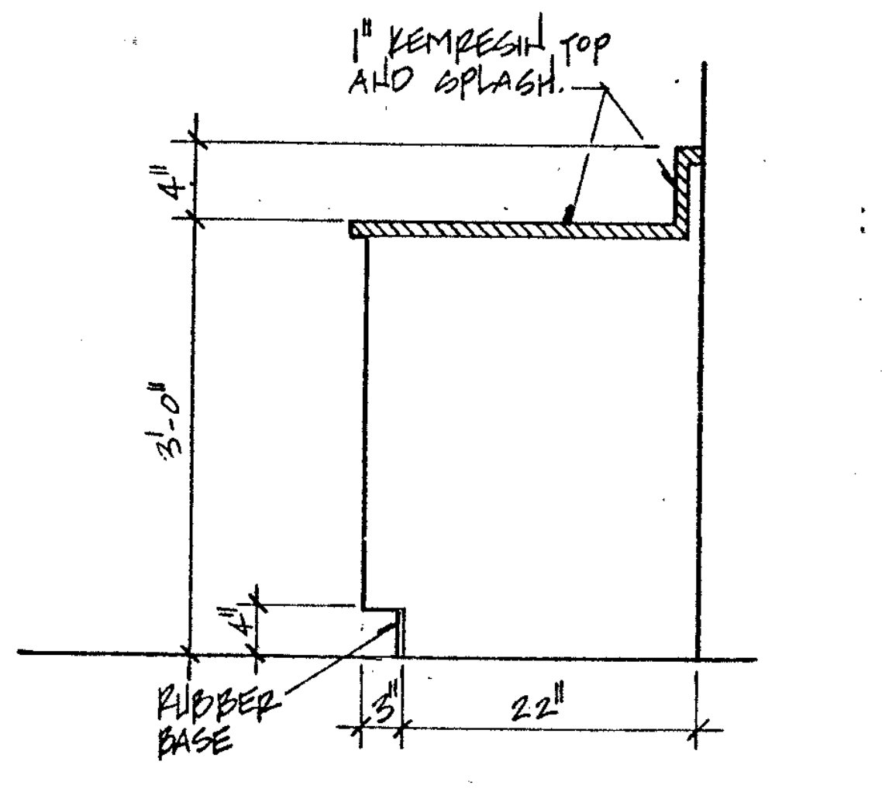
FOR ADD'L NOTES SEE (14/–)

RECEPTION DESK 3/4" 13

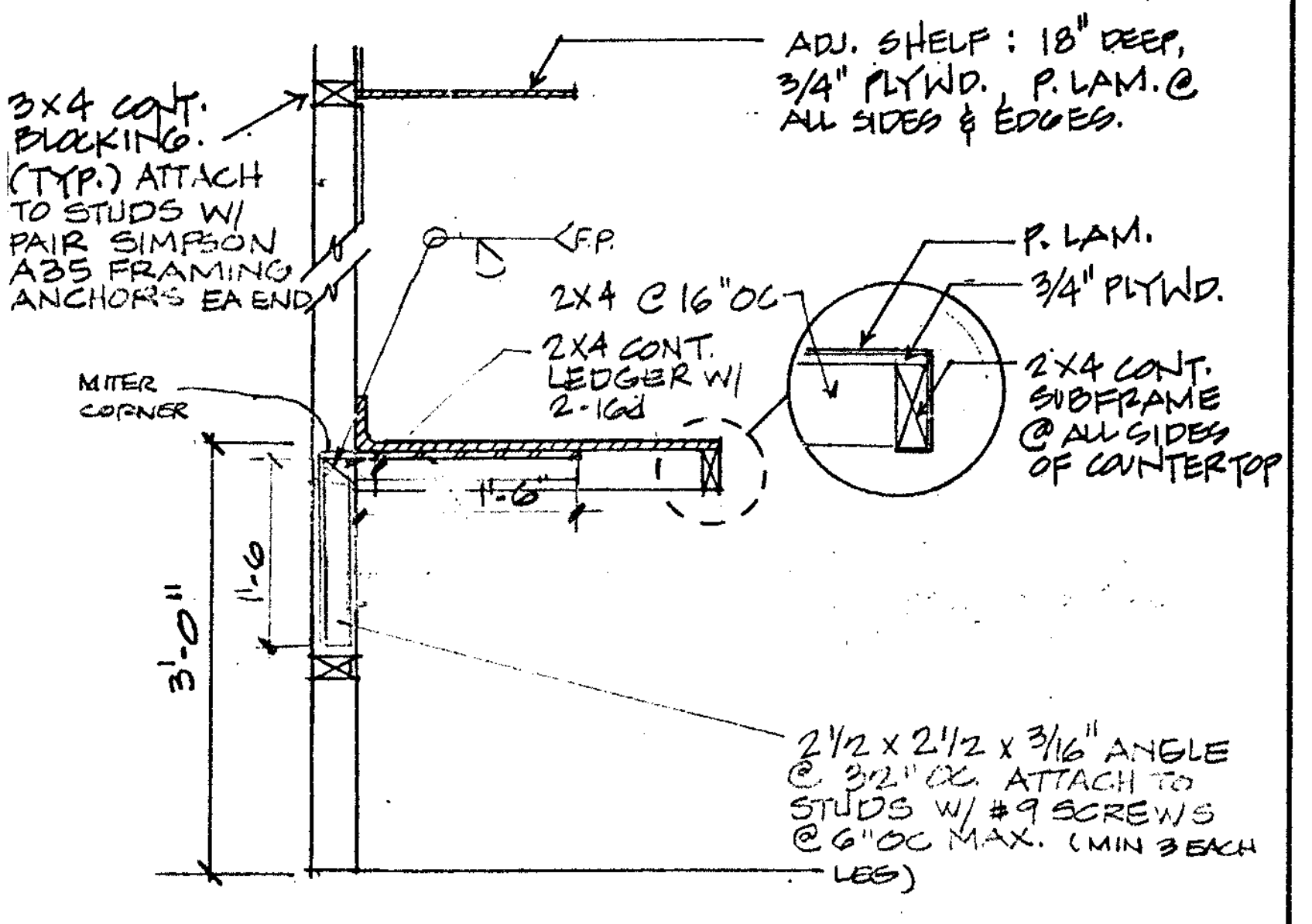

12"
PLASTIC LAMINATE O/3/4" PLYWOOD
26
28
2"
2×6 STUDS @ 16" OC, TYP.
GYP. BD & PAINT
28"
PLASTIC LAMINATE O/ 3/4" PLYWOOD
4X SHAPED PL. ATTACH W/ 1/2"Ø A.B @ 32" OC MIN 3 1/2" EMBEDMENT
42"
24"
CLEAR
6"

FOR ADD'L NOTES SEE (13/–)

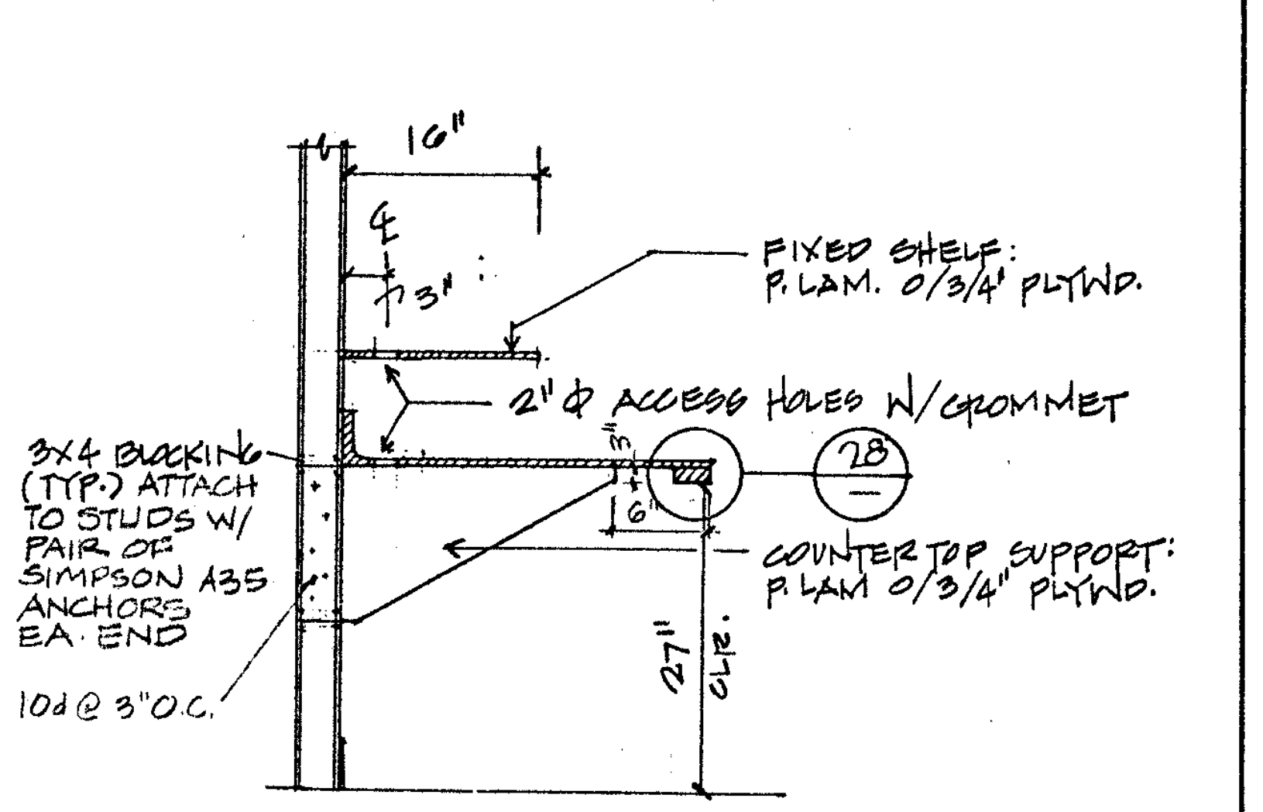
RECEPTION DESK NTS 14


1" KEMRESIN TOP AND SPLASH.
4"
3'-0"
4"
RUBBER BASE
3"
22"

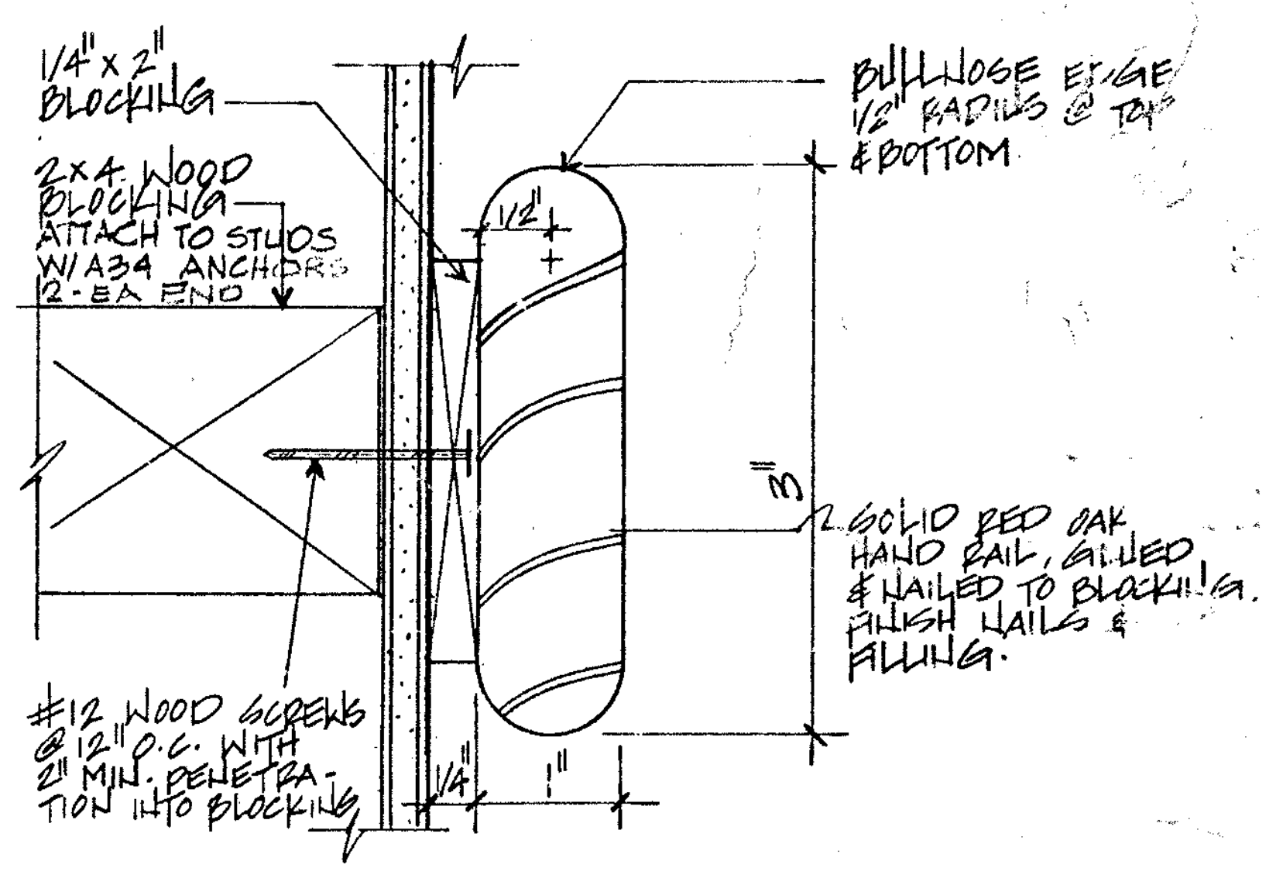
LAB CABINET 3/4" 15


ADJ. SHELF: 18" DEEP, 3/4" PLYWD. P. LAM. @ ALL SIDES & EDGES.
3×4 CONT. BLOCKING. (TYP.) ATTACH TO STUDS W/ PAIR SIMPSON A35 FRAMING ANCHORS EA END
F.P.
2X4 @ 16" OC
2X4 CONT. LEDGER W/ 2-16d
P. LAM.
3/4" PLYWD.
2X4 CONT. SUBFRAME @ ALL SIDES OF COUNTERTOP
MITER CORNER
1'-6"
1'-6"
3'-0"
2 1/2 x 2 1/2 x 3/16" ANGLE @ 32" OC ATTACH TO STUDS W/ #9 SCREWS @ 6" OC MAX. (MIN 3 EACH LEG)

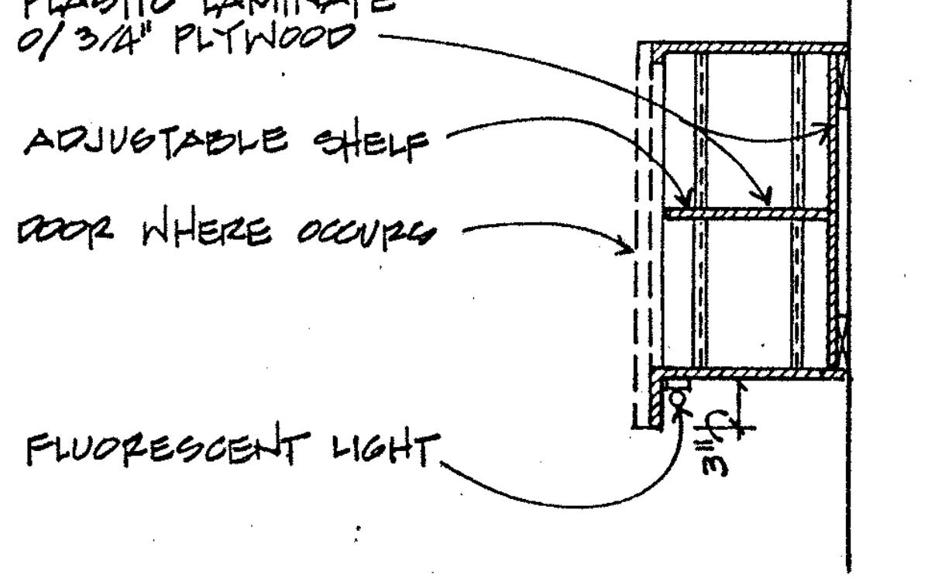
CONCESSION COUNTER 3/4" 16


16"
℄
3"
FIXED SHELF: P. LAM. O/3/4" PLYWD.
2" Ø ACCESS HOLES W/GROMMET
3×4 BLOCKING (TYP.) ATTACH TO STUDS W/ PAIR OF SIMPSON A35 ANCHORS EA. END
10d @ 3" O.C.
3"
6"
28
COUNTER TOP SUPPORT: P. LAM O/3/4" PLYWD.
27" CLR.

COMPUTER COUNTER 3/4" 17

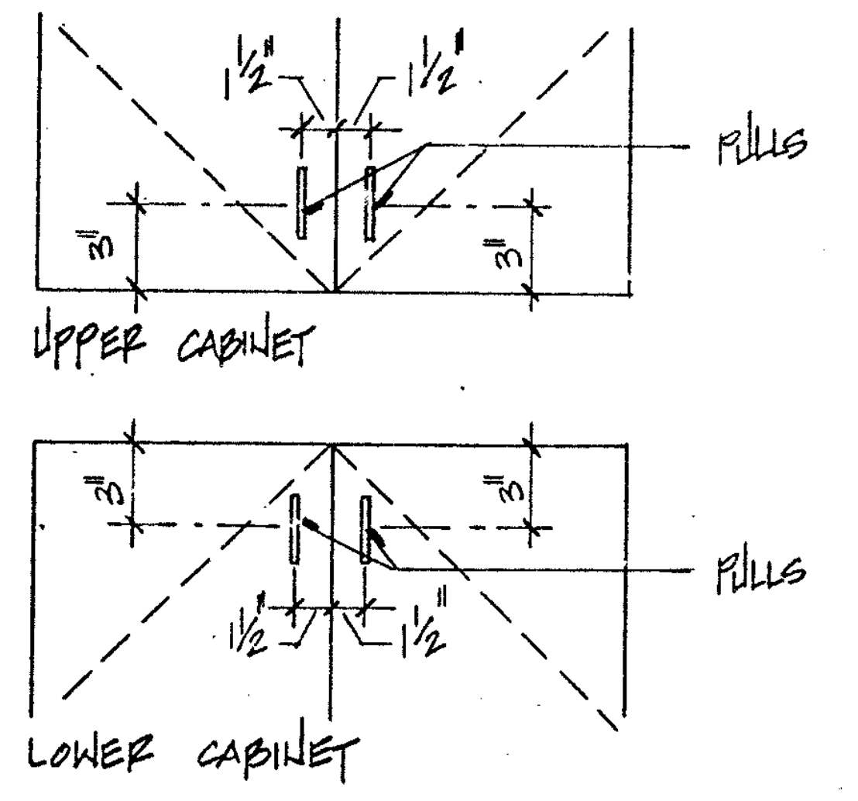

1/4" x 2" BLOCKING
2×4 WOOD BLOCKING ATTACH TO STUDS W/A34 ANCHORS 2-EA END
BULLNOSE EDGE 1/2" RADIUS @ TOP & BOTTOM
1/2"
3"
SOLID RED OAK HAND RAIL, GLUED & NAILED TO BLOCKING. FINISH NAILS & FILLING.
#12 WOOD SCREWS @ 12" O.C. WITH 2" MIN. PENETRATION INTO BLOCKING
1/4"
1"

CHAIR RAIL F.S. 18

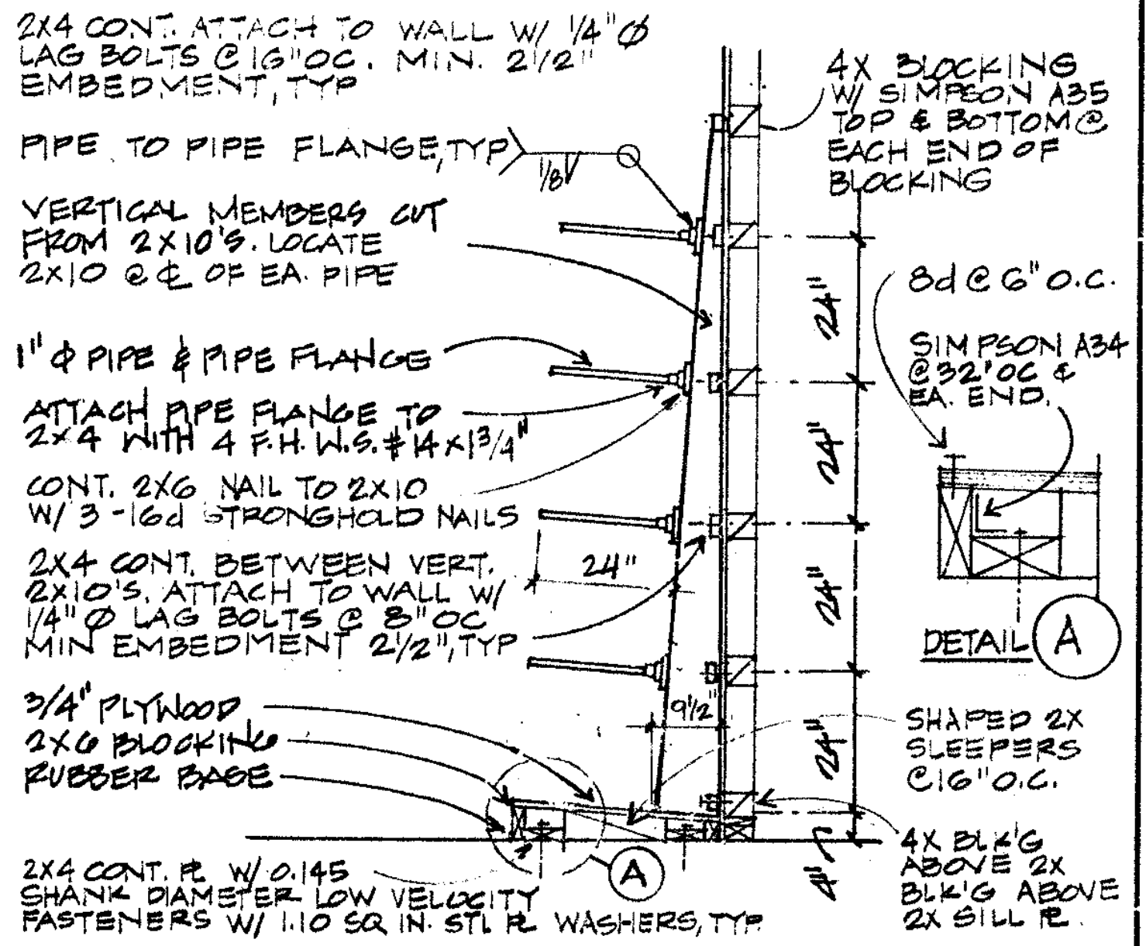

PLASTIC LAMINATE O/ 3/4" PLYWOOD
ADJUSTABLE SHELF
DOOR WHERE OCCURS
FLUORESCENT LIGHT
3"

FOR ANCHORAGE SEE (10/–)

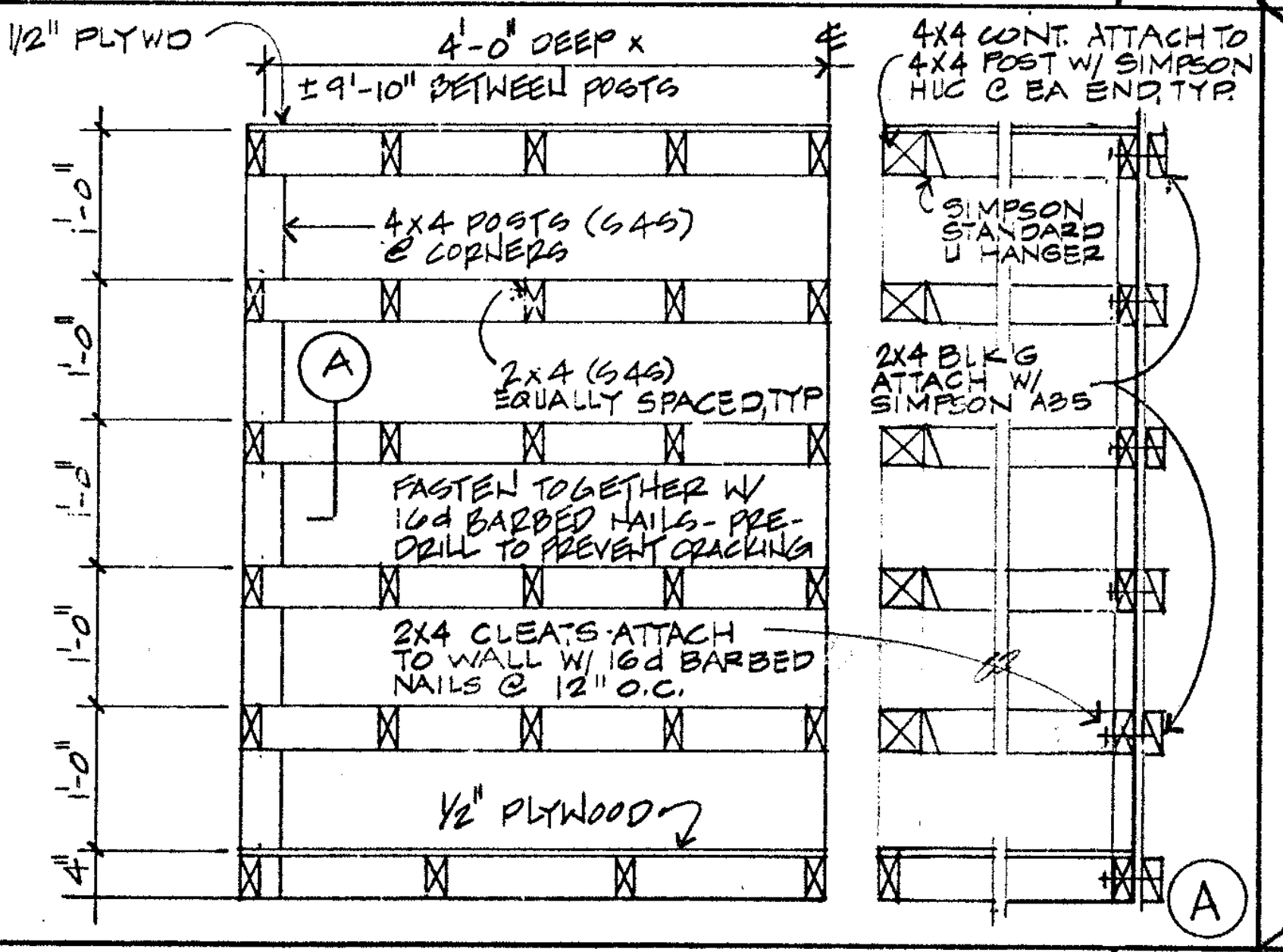
WALL CABINET NTS 19


1 1/2"
1 1/2"
PULLS
3"
3"
UPPER CABINET
3"
3"
PULLS
1 1/2"
1 1/2"
LOWER CABINET

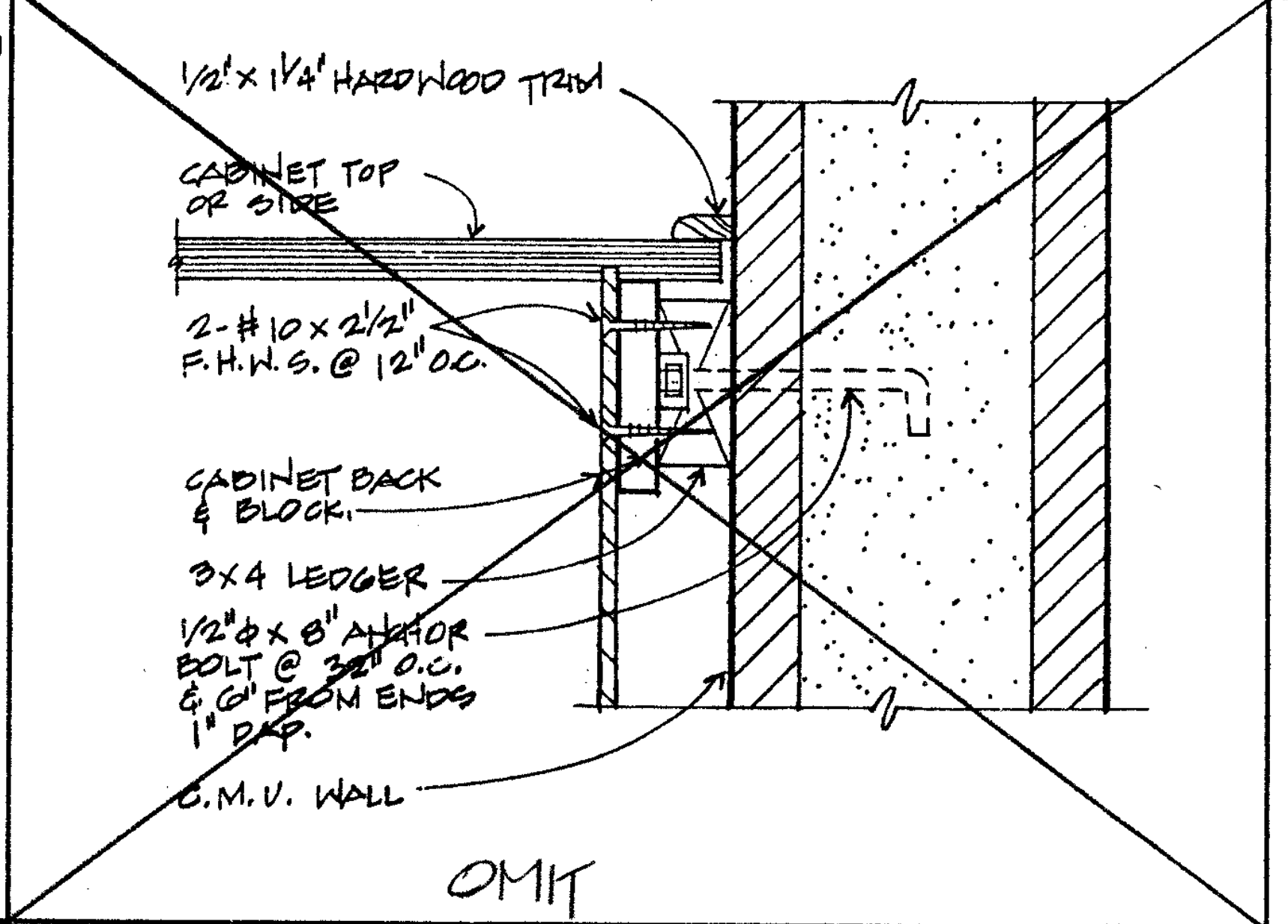
CABINET PULLS NTS 20


2X4 CONT. ATTACH TO WALL W/ 1/4"Ø LAG BOLTS @ 16" OC. MIN. 2 1/2" EMBEDMENT, TYP
PIPE TO PIPE FLANGE, TYP
1/8
VERTICAL MEMBERS CUT FROM 2X10'S. LOCATE 2X10 @ ℄ OF EA. PIPE
1" Ø PIPE & PIPE FLANGE
ATTACH PIPE FLANGE TO 2×4 WITH 4 F.H.W.S. #14×1 3/4"
CONT. 2X6 NAIL TO 2X10 W/ 3-16d STRONGHOLD NAILS
2X4 CONT. BETWEEN VERT. 2X10'S. ATTACH TO WALL W/ 1/4" Ø LAG BOLTS @ 8" OC MIN EMBEDMENT 2 1/2", TYP
24"
3/4" PLYWOOD
2X6 BLOCKING
RUBBER BASE
9 1/2"
2X4 CONT. PL W/ 0.145 SHANK DIAMETER LOW VELOCITY FASTENERS W/ 1.10 SQ IN. STL PL WASHERS, TYP
A
4X BLOCKING W/ SIMPSON A35 TOP & BOTTOM @ EACH END OF BLOCKING
24"
24"
24"
24"
4"
8d @ 6" O.C.
SIMPSON A34 @ 32" OC & EA. END.
DETAIL A
SHAPED 2X SLEEPERS @ 16" O.C.
4X BLK'G ABOVE 2X BLK'G ABOVE 2X SILL PL.

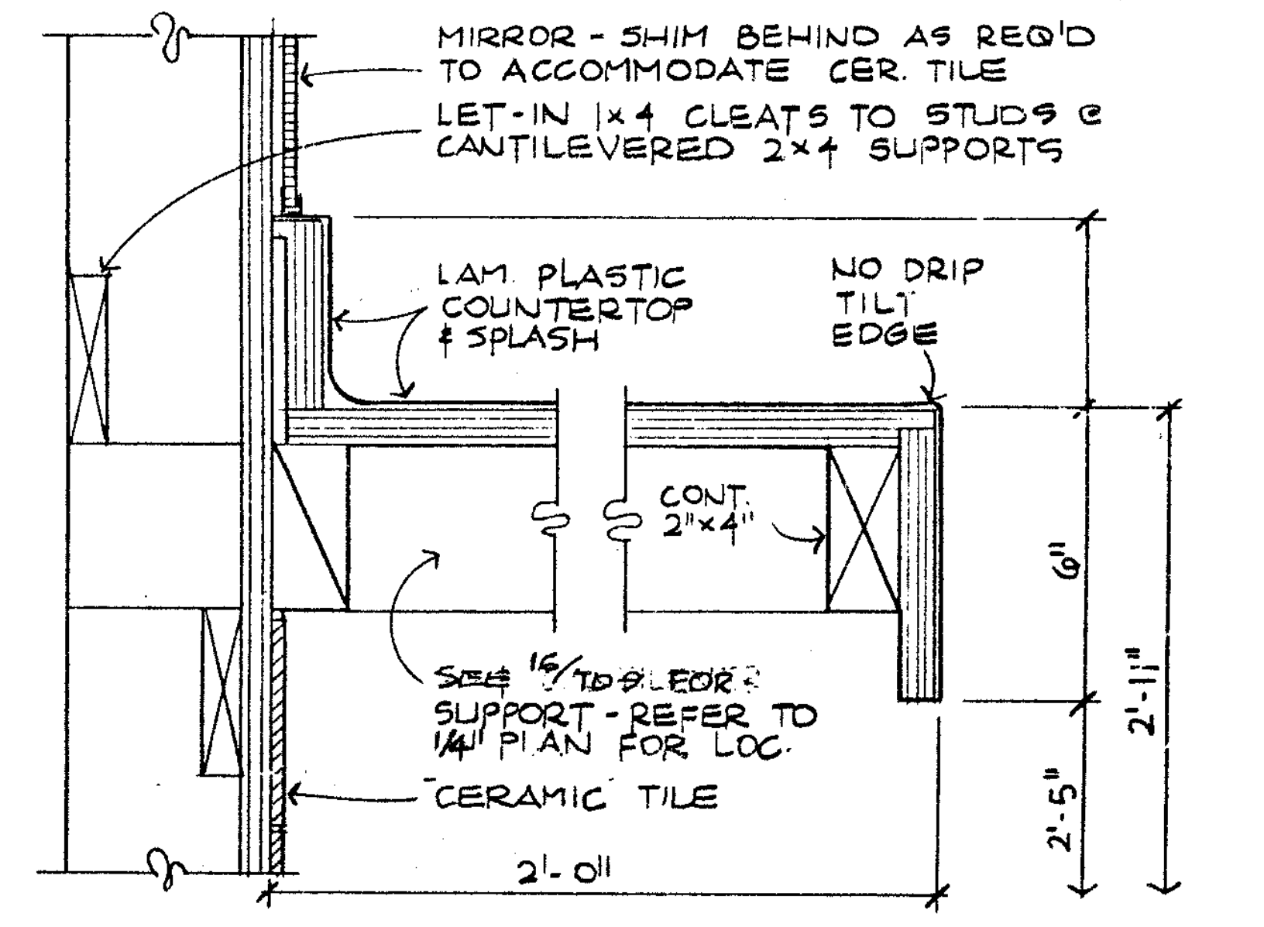
LUMBER STORAGE 3/8" 21


1/2" PLYWD
4'-0" DEEP x
± 9'-10" BETWEEN POSTS
℄
4X4 CONT. ATTACH TO 4X4 POST W/ SIMPSON HUC @ EA END, TYP.
4x4 POSTS (S4S) @ CORNERS
SIMPSON STANDARD U HANGER
A
2x4 (S4S) EQUALLY SPACED, TYP
2X4 BLK'G ATTACH W/ SIMPSON A35
FASTEN TOGETHER W/ 16d BARBED NAILS - PRE-DRILL TO PREVENT CRACKING
2X4 CLEATS ATTACH TO WALL W/ 16d BARBED NAILS @ 12" O.C.
1/2" PLYWOOD
1'-0"
1'-0"
1'-0"
1'-0"
1'-0"
4"
A

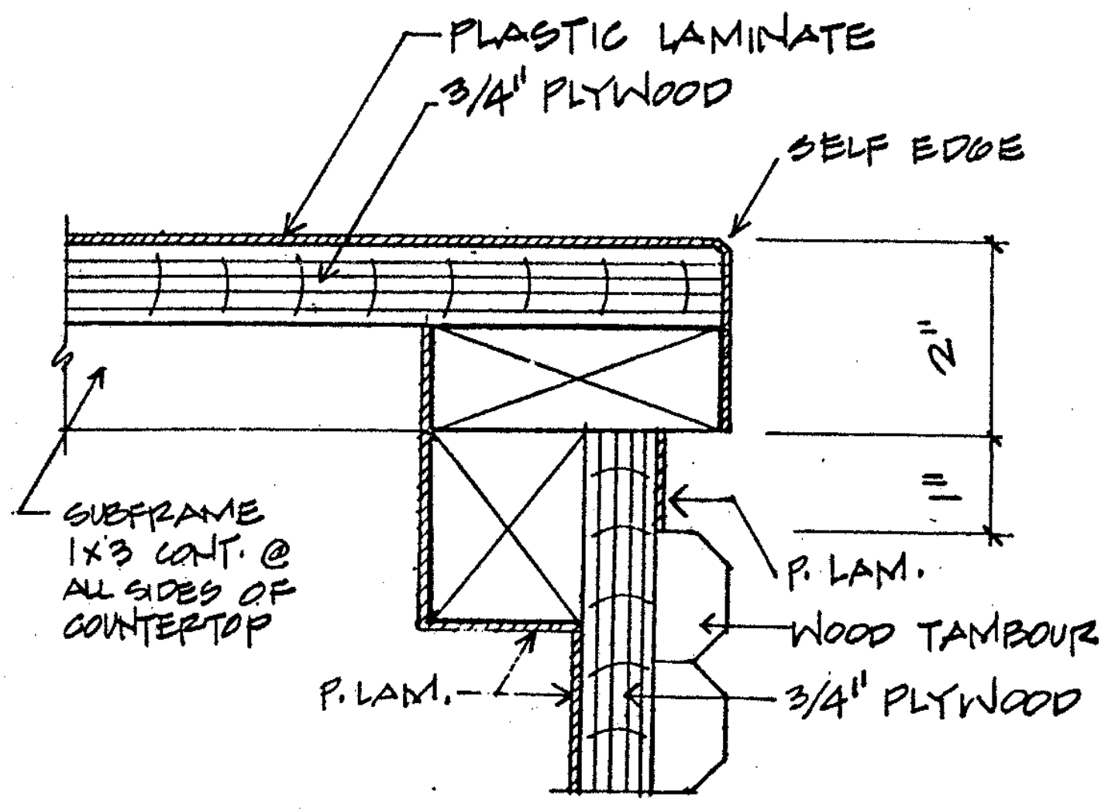
PLYWOOD STORAGE 3/4" 22


1/2" x 1 1/4" HARDWOOD TRIM
CABINET TOP OR SIDE
2-#10 x 2 1/2" F.H.W.S. @ 12" O.C.
CABINET BACK & BLOCK.
3×4 LEDGER
1/2"Ø × 8" ANCHOR BOLT @ 32" O.C. & 6" FROM ENDS 1" EMB.
C.M.U. WALL
OMIT

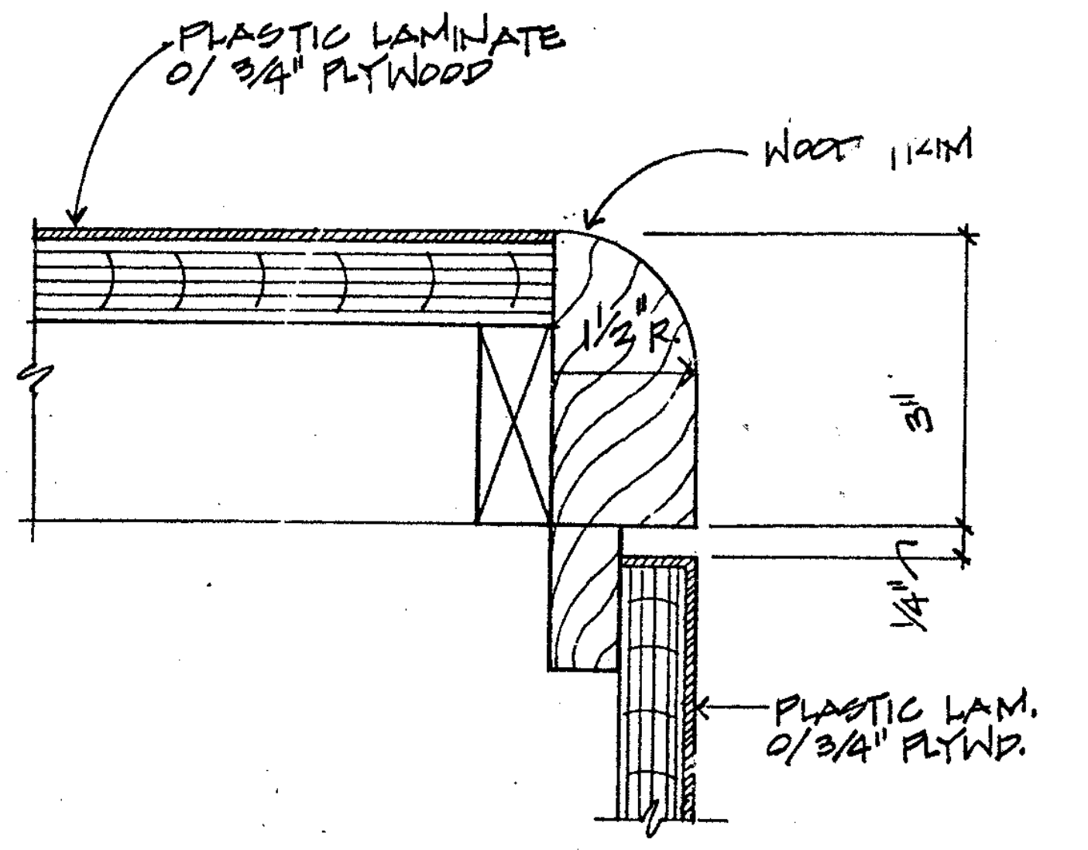
CABINET ANCHORAGE 3" 23


MIRROR - SHIM BEHIND AS REQ'D TO ACCOMMODATE CER. TILE
LET-IN 1×4 CLEATS TO STUDS @ CANTILEVERED 2×4 SUPPORTS
LAM. PLASTIC COUNTERTOP & SPLASH
NO DRIP TILT EDGE
CONT. 2"×4"
SEE 16/TD9 FLOOR SUPPORT - REFER TO 1/4" PLAN FOR LOC.
CERAMIC TILE
2'-0"
6"
2'-11"
2'-5"

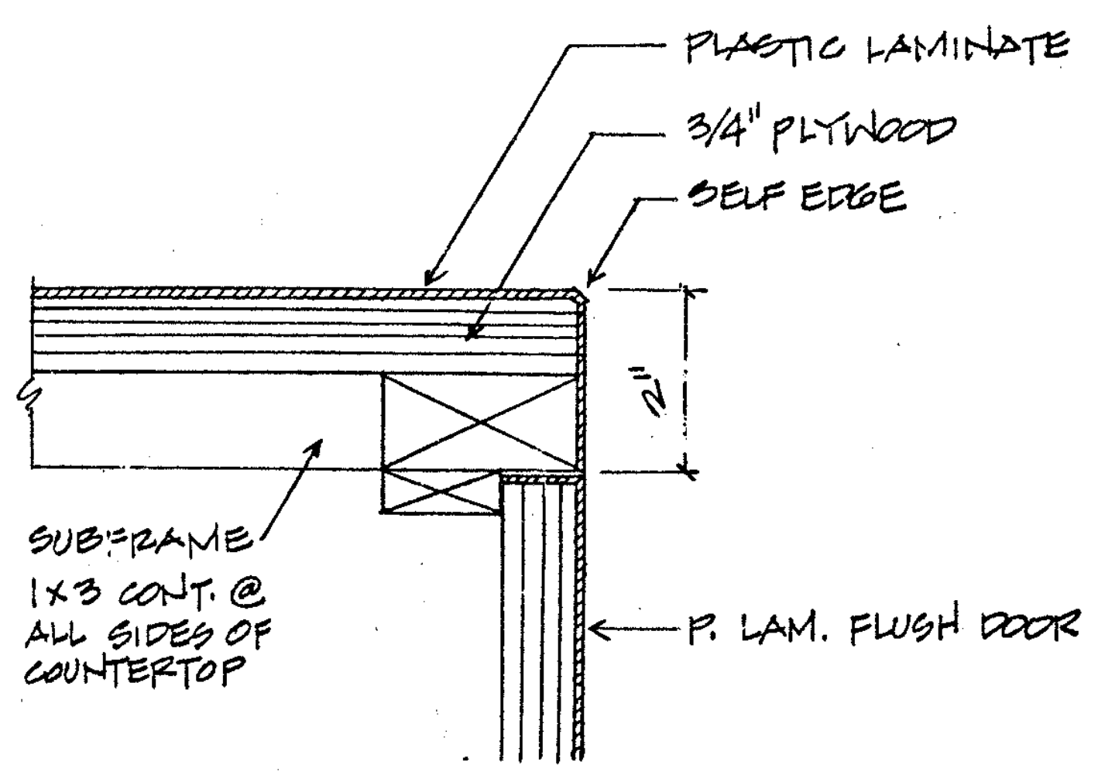
COUNTERTOP SUPPORT 3" 24


PLASTIC LAMINATE
3/4" PLYWOOD
SELF EDGE
2"
1"
SUBFRAME 1X3 CONT. @ ALL SIDES OF COUNTERTOP
P. LAM.
WOOD TAMBOUR
3/4" PLYWOOD
P. LAM.

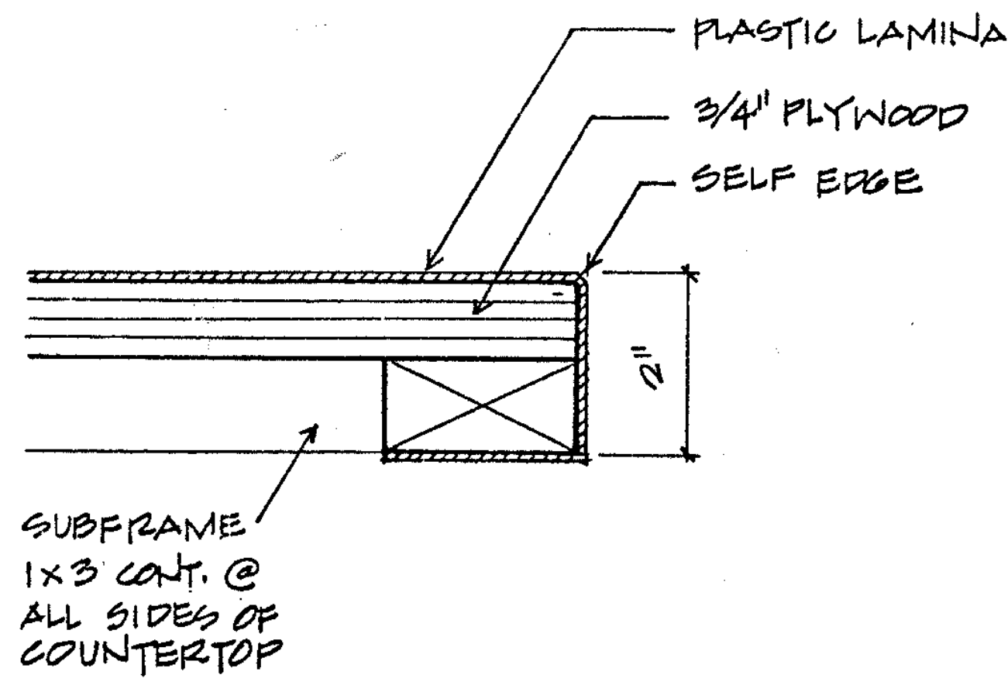
RECEPTION DESK EDGE H.S. 25


PLASTIC LAMINATE O/ 3/4" PLYWOOD
WOOD TRIM
1 1/3" R.
3"
1/4"
PLASTIC LAM. O/3/4" PLYWD.

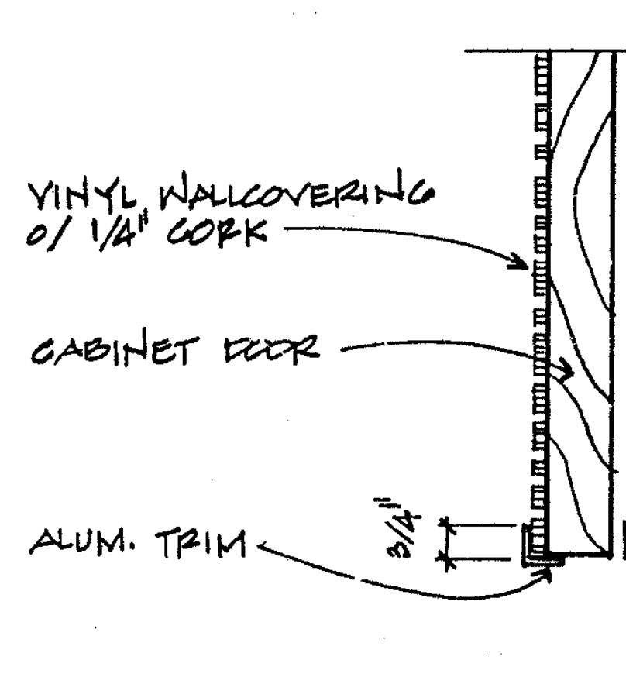
WOOD EDGE TRIM H.S 26


PLASTIC LAMINATE
3/4" PLYWOOD
SELF EDGE
2"
SUBFRAME 1X3 CONT. @ ALL SIDES OF COUNTERTOP
P. LAM. FLUSH DOOR

COUNTER EDGE H.S 27


PLASTIC LAMINATE
3/4" PLYWOOD
SELF EDGE
2"
SUBFRAME 1X3 CONT. @ ALL SIDES OF COUNTERTOP

TYP. COUNTER EDGE H.S. 28

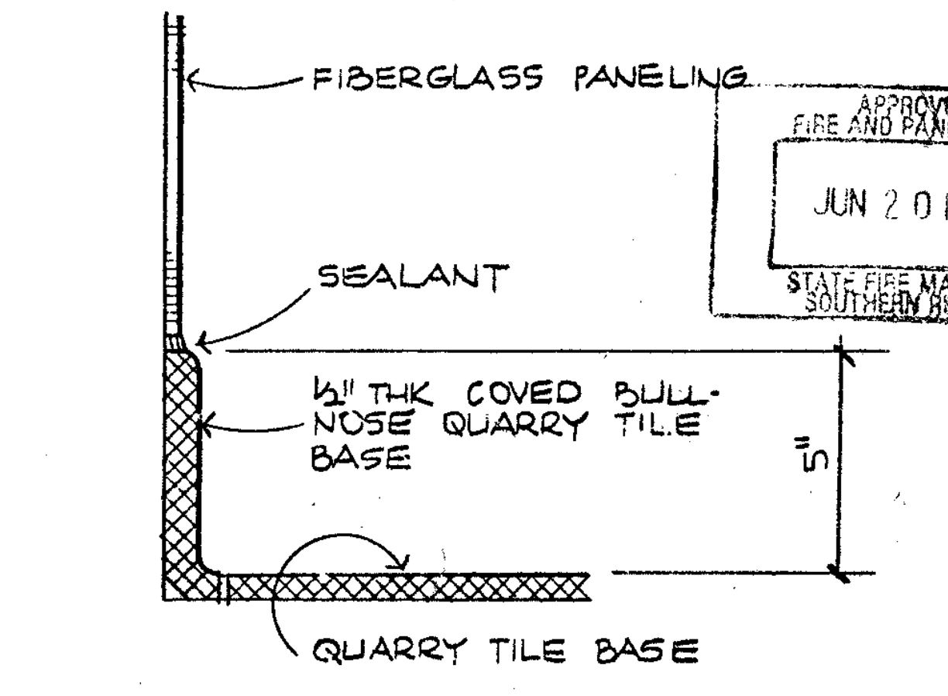

VINYL WALLCOVERING O/ 1/4" CORK
CABINET DOOR
ALUM. TRIM
3/4"

CABINET DOOR W/T.S. NTS 29

OFFICE OF THE STATE ARCHITECT
A 49275 JUN 2[illegible] 1988
John P. McCarty

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
49275 MAY 4 '88

APPROVED
FIRE AND PANIC ONLY
JUN 20 1986
BJ
STATE FIRE MARSHAL
SOUTHERN REGION

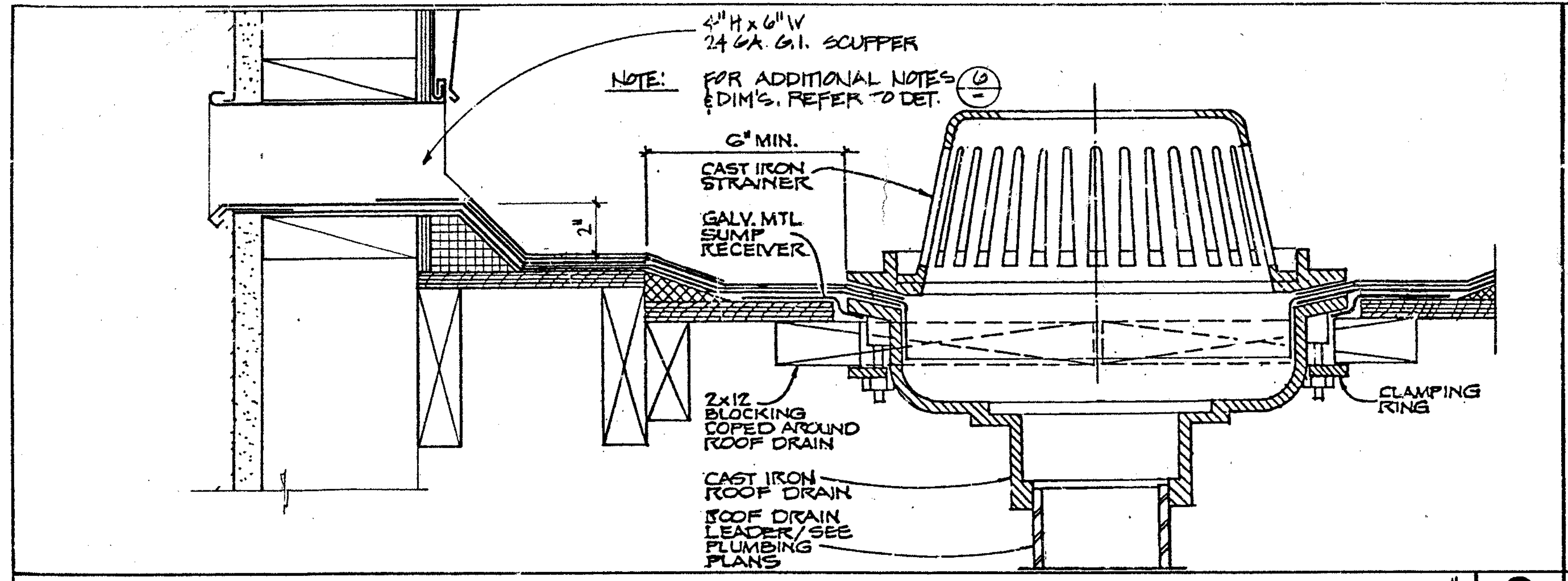

FIBERGLASS PANELING
SEALANT
1/2" THK COVED BULL-NOSE QUARRY TILE BASE
5"
QUARRY TILE BASE

QUARRY TILE BASE 3" 30

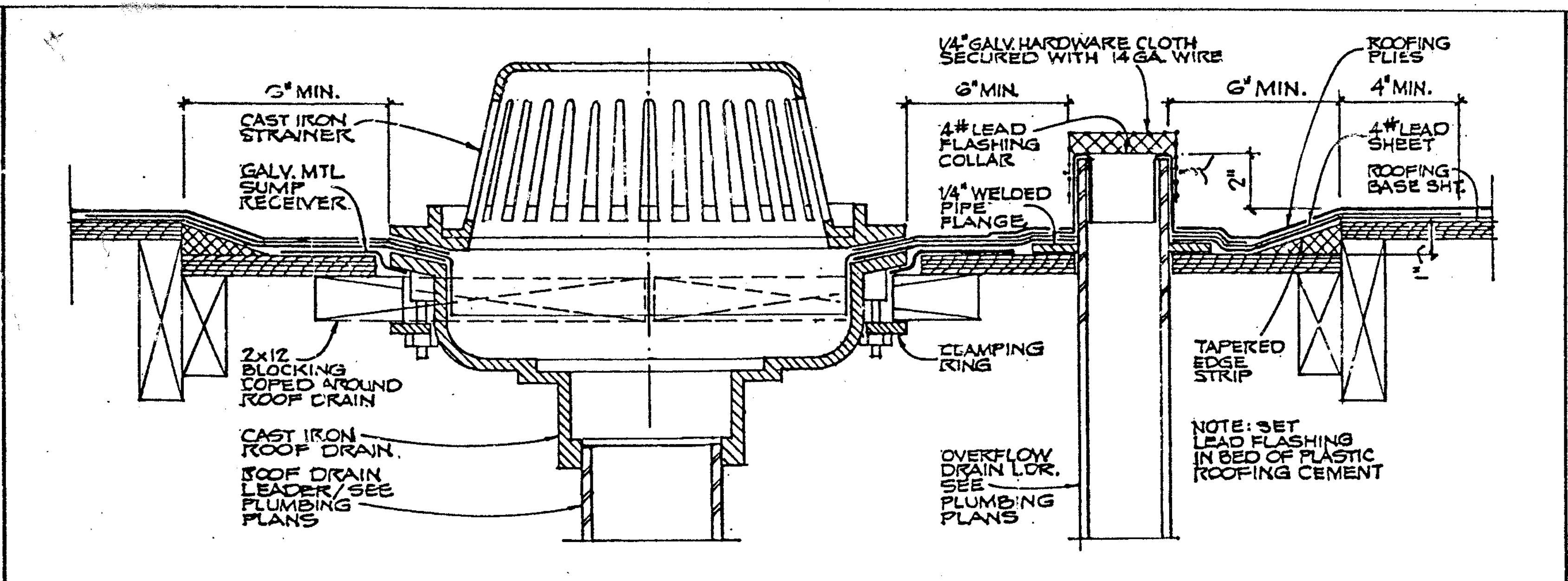
Drawn By Checked By Date Commission No. 1-30-03	Revisions BID JANUARY 1991	RUHNAU RUHNAU TODD/ASSOCIATES Architects Planners [redacted] 3775 Tenth Street Riverside, CA 92501-3669 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-1995 619/438-5899	ARCHITECT C20662	West Hills High School Grossmont Union High School District San Diego, Ca San Diego County	TYPICAL DETAILS

Sheet Number
TD-9
86 of Sheets

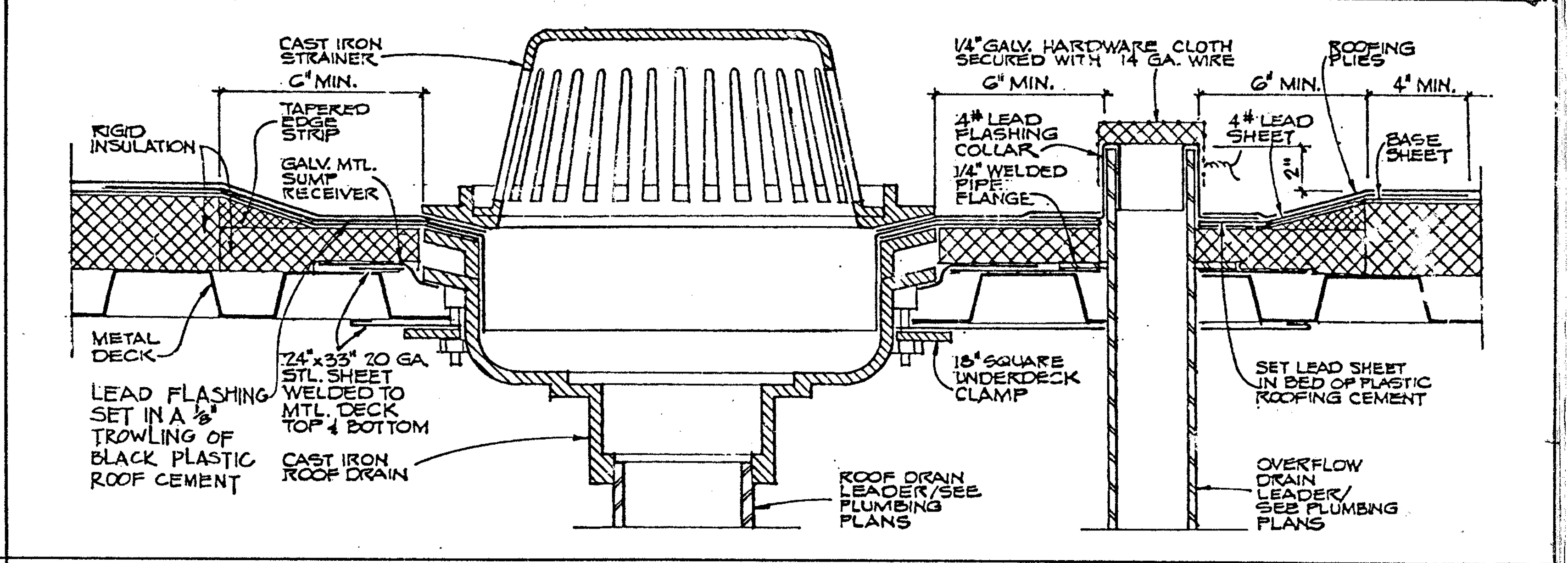
INCREMENT 2


4"H x 6"W
24 GA. G.I. SCUPPER
NOTE: FOR ADDITIONAL NOTES & DIM'S. REFER TO DET. (6/–)
6" MIN.
2"
CAST IRON STRAINER
GALV. MTL. SUMP RECEIVER
2x12 BLOCKING COPED AROUND ROOF DRAIN
CLAMPING RING
CAST IRON ROOF DRAIN
ROOF DRAIN LEADER/SEE PLUMBING PLANS

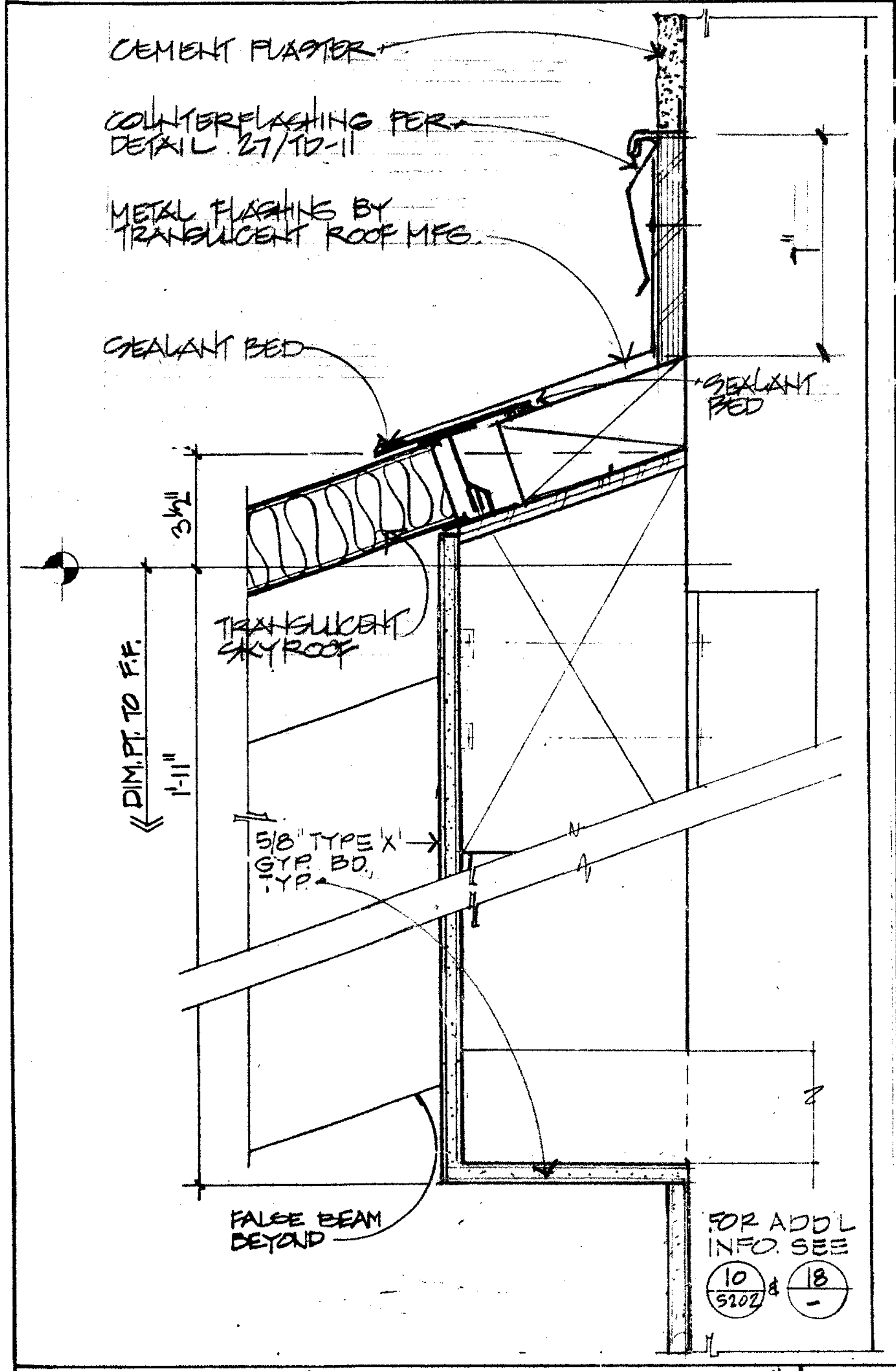
OVERFLOW SCUPPER 3" 2


6" MIN.
CAST IRON STRAINER
GALV. MTL. SUMP RECEIVER
2x12 BLOCKING COPED AROUND ROOF DRAIN
CAST IRON ROOF DRAIN
ROOF DRAIN LEADER/SEE PLUMBING PLANS
1/4" GALV. HARDWARE CLOTH SECURED WITH 14 GA. WIRE
6" MIN.
4# LEAD FLASHING COLLAR
1/4" WELDED PIPE FLANGE
2"
CLAMPING RING
OVERFLOW DRAIN LDR. SEE PLUMBING PLANS
ROOFING PLIES
6" MIN.
4" MIN.
4# LEAD SHEET
ROOFING BASE SHT.
TAPERED EDGE STRIP
NOTE: SET LEAD FLASHING IN BED OF PLASTIC ROOFING CEMENT

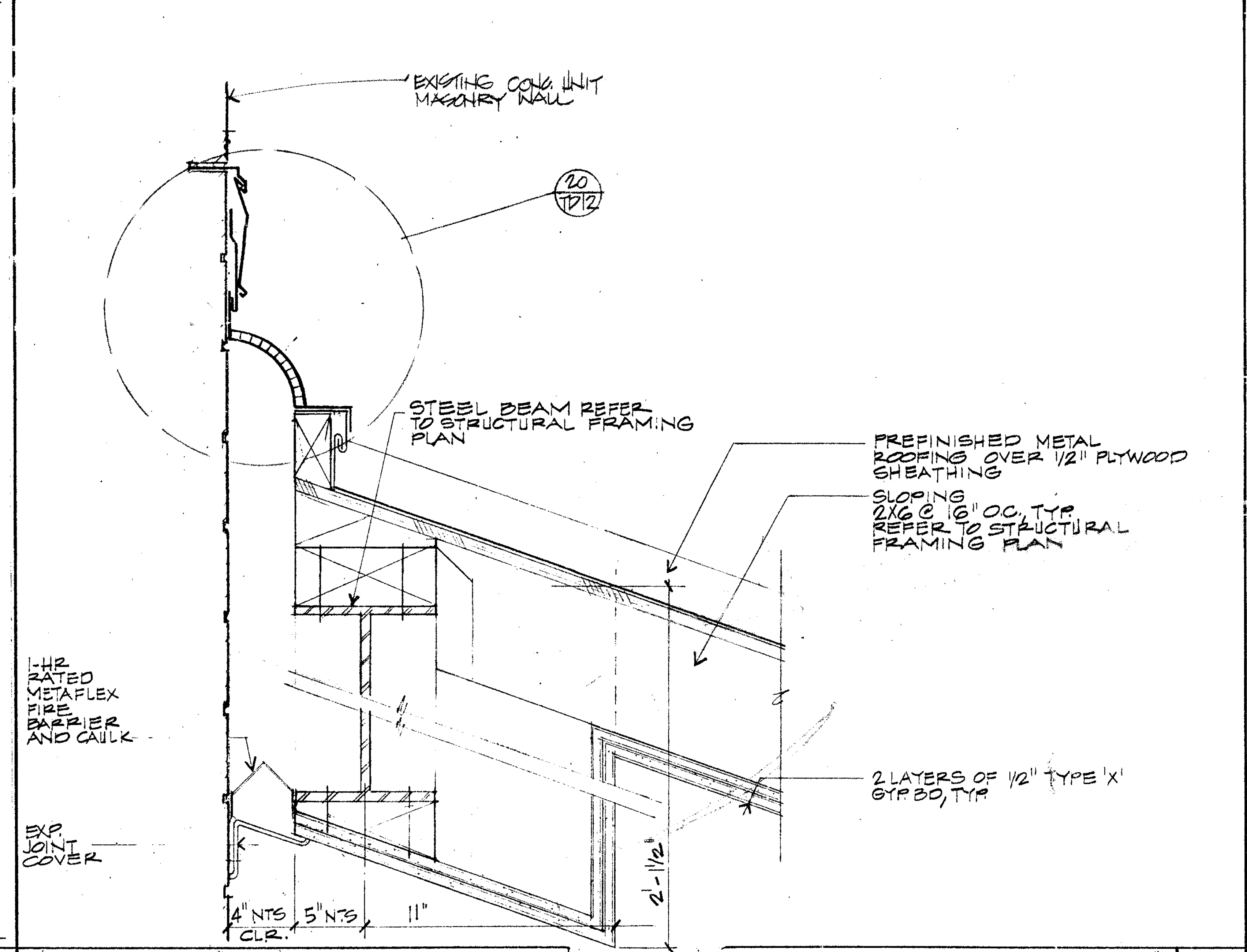
ROOF DRAIN @ WOOD DECK 3" 4


CAST IRON STRAINER
6" MIN.
RIGID INSULATION
TAPERED EDGE STRIP
GALV. MTL. SUMP RECEIVER
METAL DECK
LEAD FLASHING SET IN A 1/8" TROWLING OF BLACK PLASTIC ROOF CEMENT
24"x33" 20 GA. STL. SHEET WELDED TO MTL. DECK TOP & BOTTOM
CAST IRON ROOF DRAIN
18" SQUARE UNDERDECK CLAMP
ROOF DRAIN LEADER/SEE PLUMBING PLANS
1/4" GALV. HARDWARE CLOTH SECURED WITH 14 GA. WIRE
6" MIN.
4# LEAD FLASHING COLLAR
1/4" WELDED PIPE FLANGE
4# LEAD SHEET
2"
ROOFING PLIES
6" MIN.
4" MIN.
BASE SHEET
SET LEAD SHEET IN BED OF PLASTIC ROOFING CEMENT
OVERFLOW DRAIN LEADER/ SEE PLUMBING PLANS

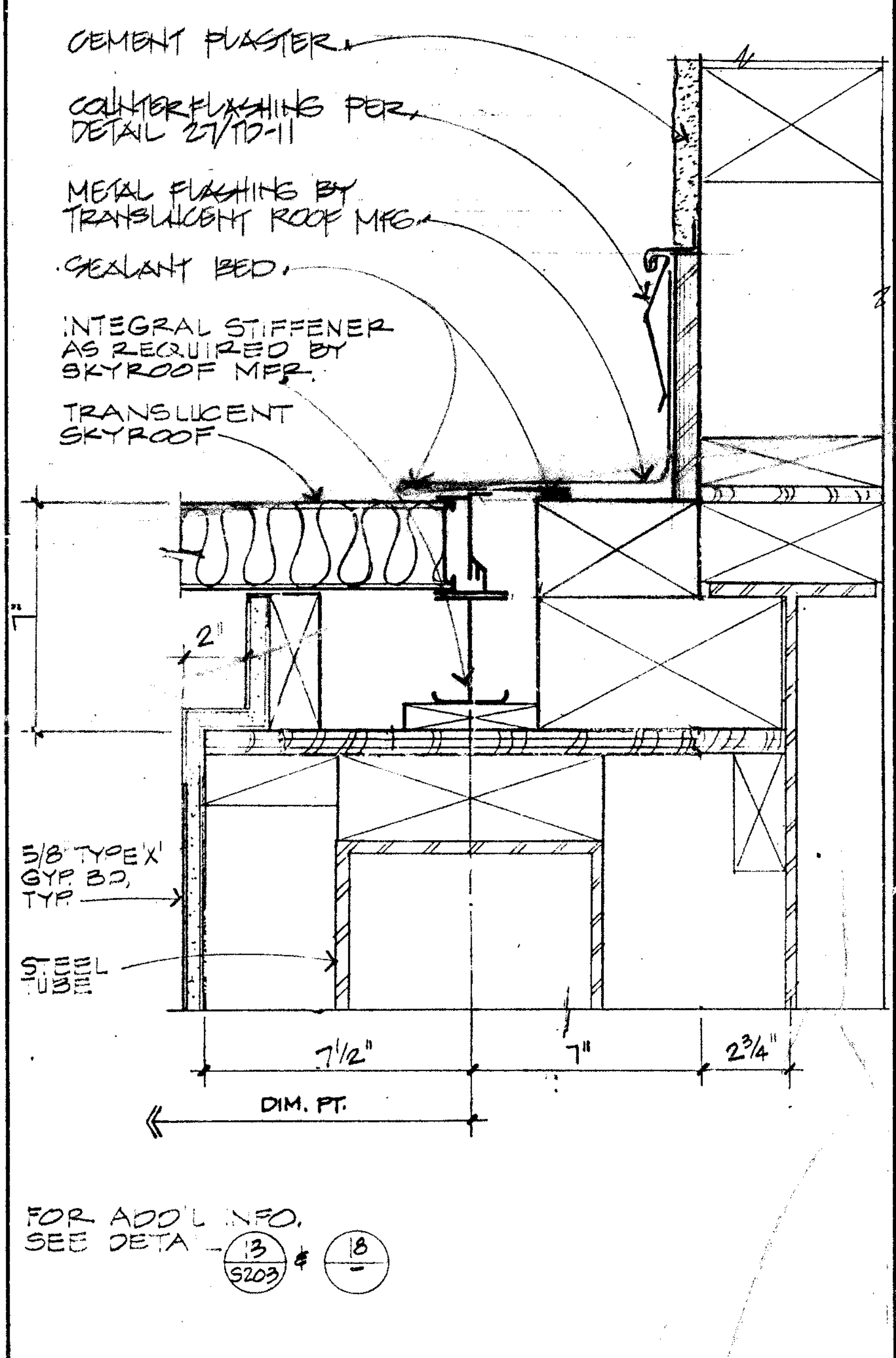
ROOF DRAIN @ METAL DECK 3" 6


CEMENT PLASTER
COUNTERFLASHING PER DETAIL 27/TD-11
METAL FLASHING BY TRANSLUCENT ROOF MFG.
SEALANT BED
SEALANT BED
3 1/2"
TRANSLUCENT SKYROOF
DIM. PT. TO F.F. 1'-11"
5/8" TYPE 'X' GYP. BD. TYP.
FALSE BEAM BEYOND
FOR ADD'L INFO. SEE (10/S202) & (18/–)

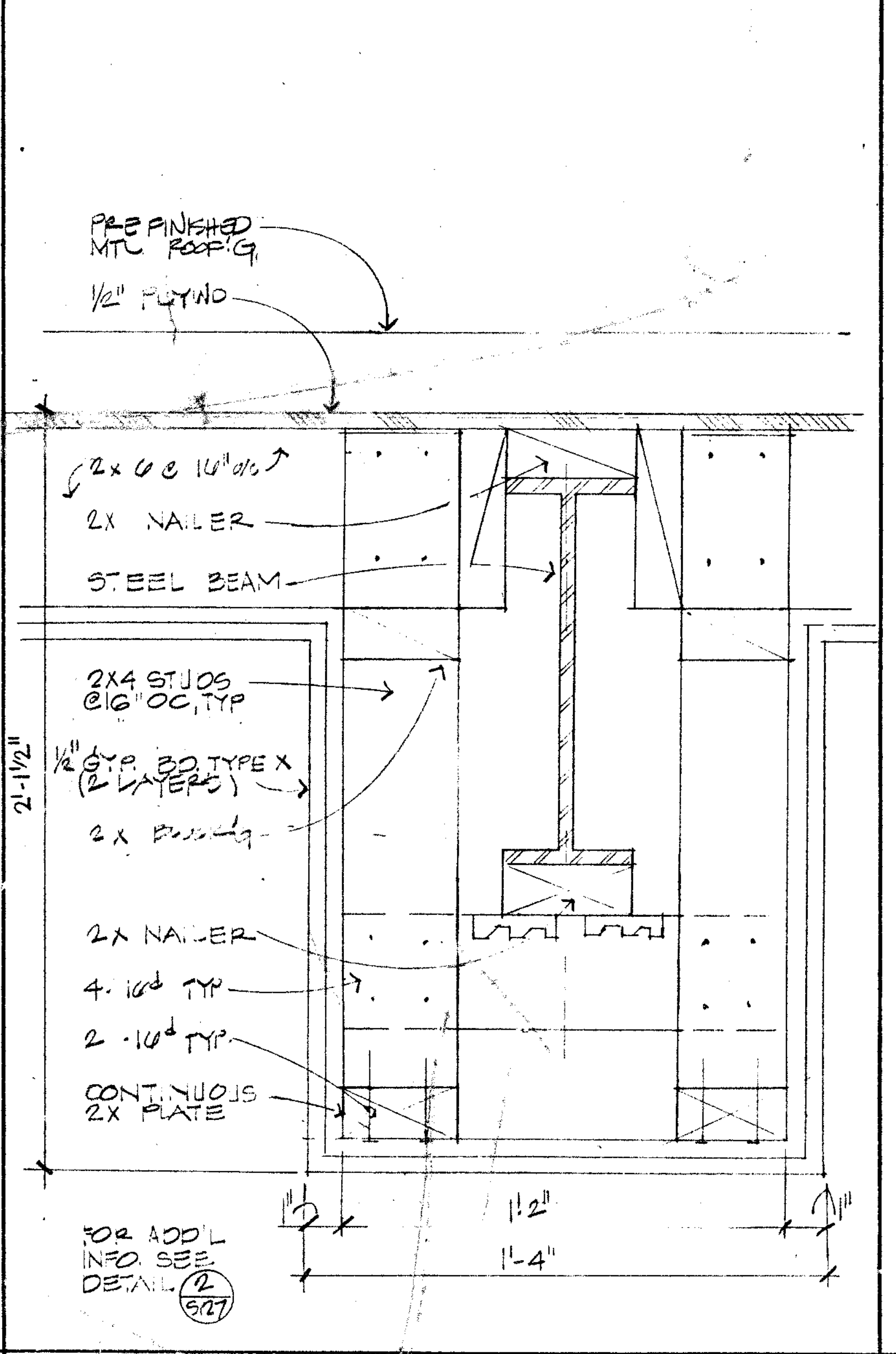
"SKYROOF" @ PARAPET 3" 13


EXISTING CONC. UNIT MASONRY WALL
(20/TD12)
STEEL BEAM REFER TO STRUCTURAL FRAMING PLAN
PREFINISHED METAL ROOFING OVER 1/2" PLYWOOD SHEATHING
SLOPING 2X6 @ 16" O.C., TYP. REFER TO STRUCTURAL FRAMING PLAN
1-HR RATED METAFLEX FIRE BARRIER AND CAULK
EXP. JOINT COVER
2 LAYERS OF 1/2" TYPE 'X' GYP. BD., TYP.
4" NTS CLR.
5" NTS
11"
2'-1 1/2"

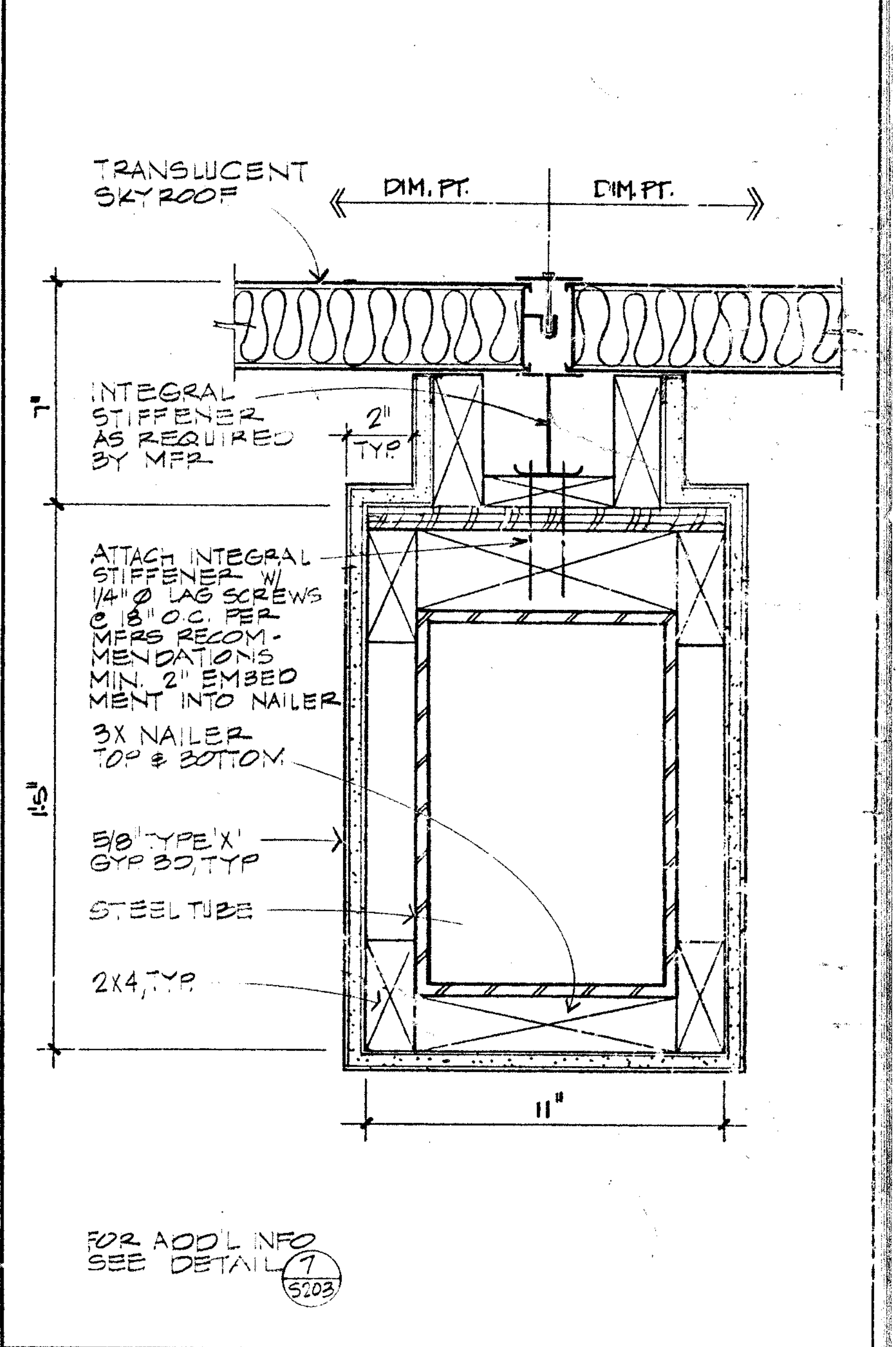
ROOF @ EXPANSION JOINT 3" 15


CEMENT PLASTER
COUNTERFLASHING PER DETAIL 27/TD-11
METAL FLASHING BY TRANSLUCENT ROOF MFG.
SEALANT BED
INTEGRAL STIFFENER AS REQUIRED BY SKYROOF MFR.
TRANSLUCENT SKYROOF
2"
5/8" TYPE 'X' GYP. BD., TYP.
STEEL TUBE
7 1/2"
7"
2 3/4"
DIM. PT.
FOR ADD'L INFO. SEE DETA (13/S203) & (18/–)

"SKYROOF" @ RAKE 3' 16


PRE FINISHED MTL ROOF'G
1/2" PLYWD
2x6 @ 16" o/c
2X NAILER
STEEL BEAM
2X4 STUDS @16" OC, TYP
1/2" GYP. BD. TYPE X (2 LAYERS)
2X BLOCK'G
2X NAILER
4-16d TYP
2-16d TYP
CONTINUOUS 2X PLATE
2'-1 1/2"
1 1/2"
1'2"
1"
1'-4"
FOR ADD'L INFO. SEE DETAIL (2/S127)

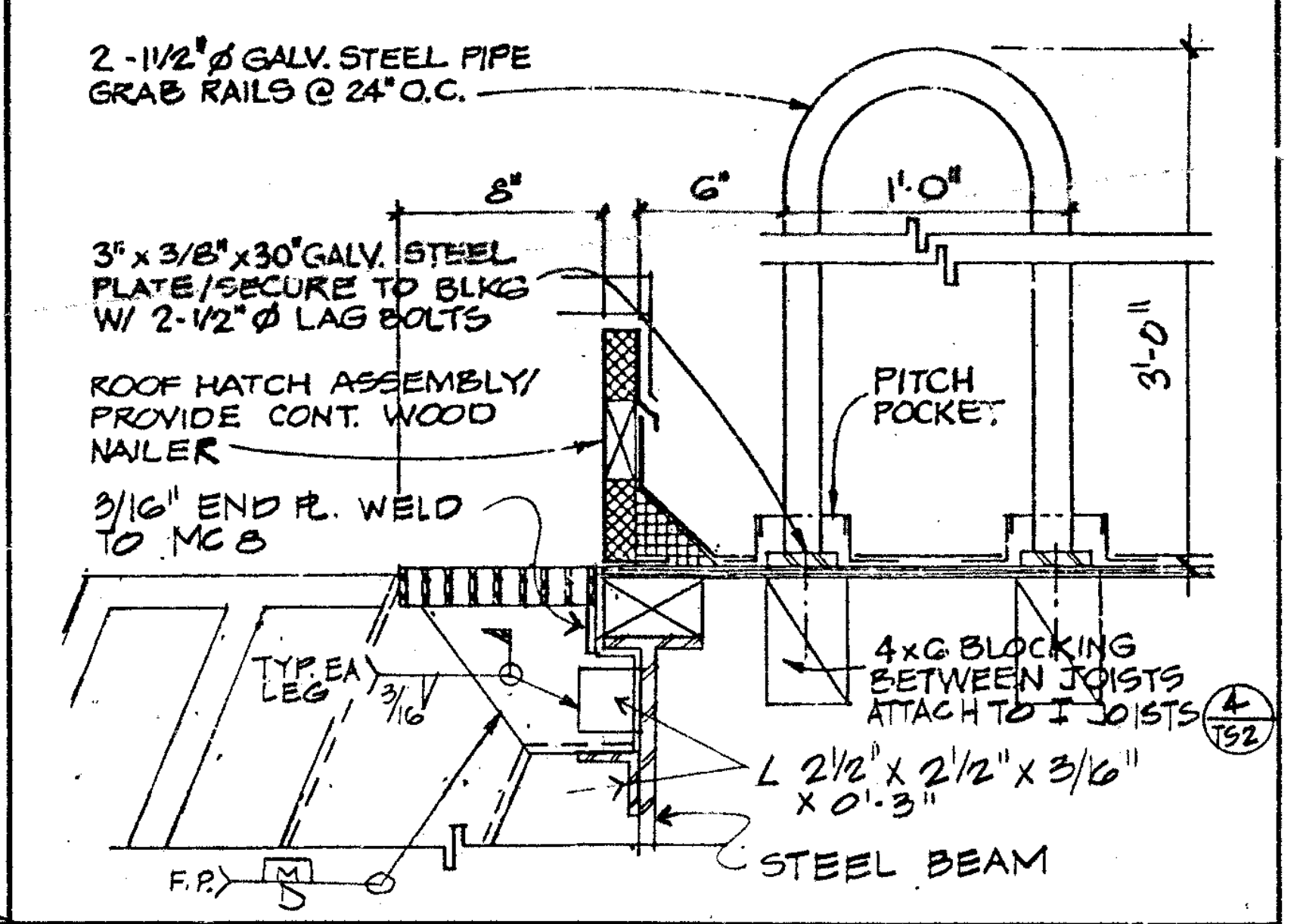
DETAIL @ FURRED BEAM 3" 17


TRANSLUCENT SKYROOF
DIM. PT.
DIM. PT.
INTEGRAL STIFFENER AS REQUIRED BY MFR.
2" TYP.
ATTACH INTEGRAL STIFFENER W/ 1/4"Ø LAG SCREWS @ 18" O.C. PER MFRS RECOMMENDATIONS MIN. 2" EMBEDMENT INTO NAILER
3X NAILER TOP & BOTTOM
5/8" TYPE 'X' GYP. BD., TYP
STEEL TUBE
2X4, TYP
1'5"
11"
FOR ADD'L INFO SEE DETAIL (7/S203)

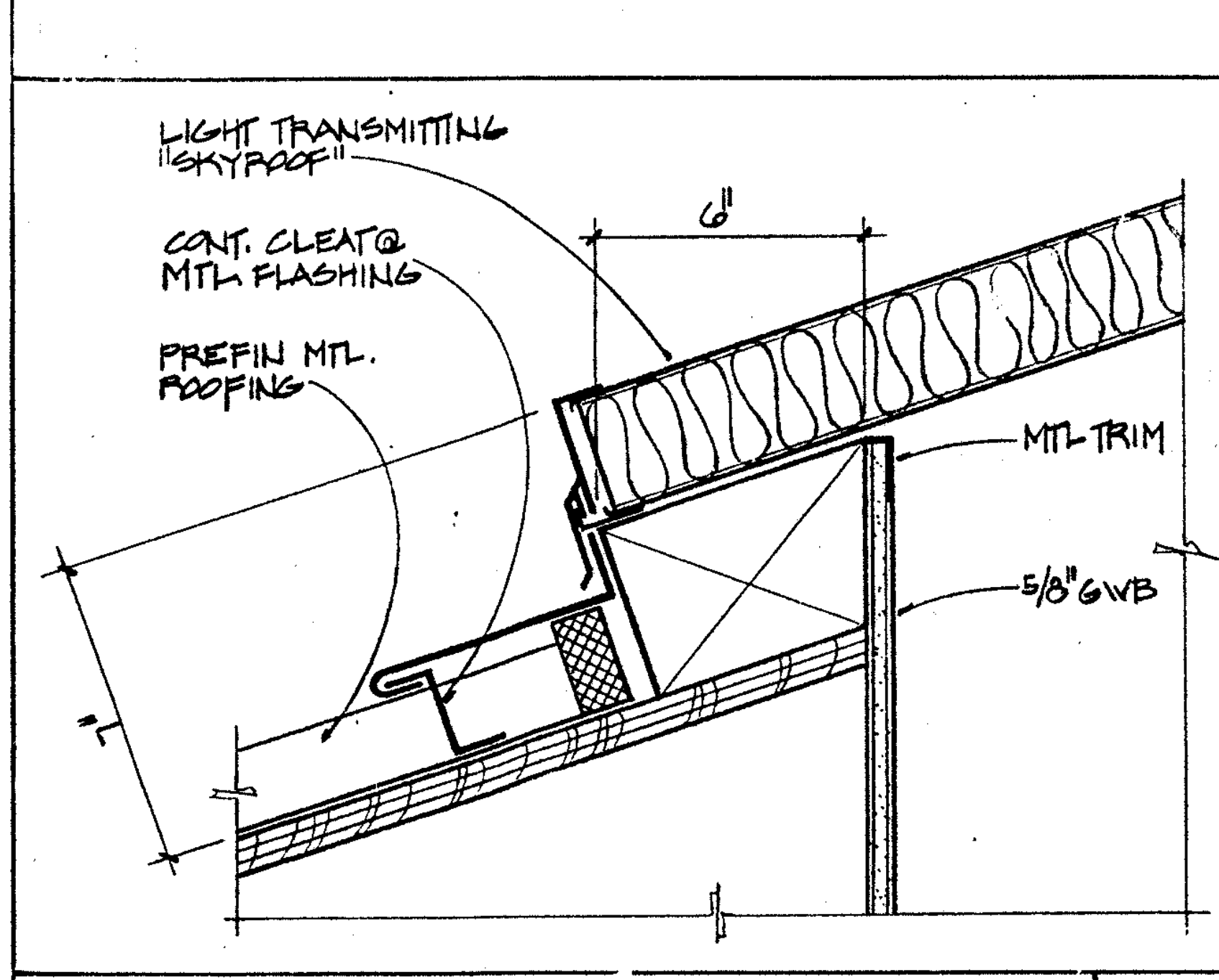
"SKYROOF" @ FURRED BEAM 3" 18

OMIT

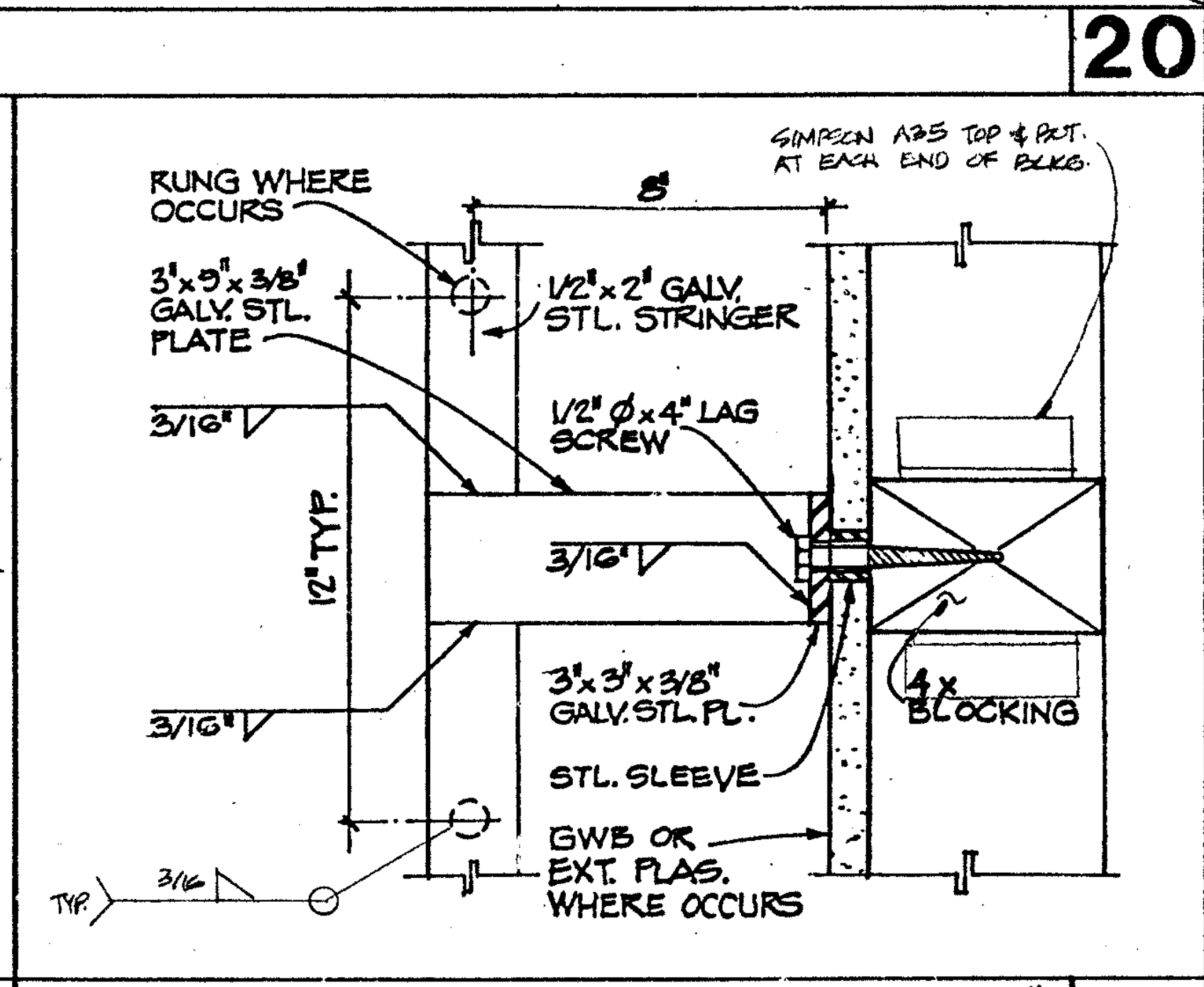
20


2-1 1/2"Ø GALV. STEEL PIPE GRAB RAILS @ 24" O.C.
8"
6"
1'-0"
3'-0"
3" x 3/8" x 30" GALV. STEEL PLATE/SECURE TO BLKG W/ 2-1/2"Ø LAG BOLTS
ROOF HATCH ASSEMBLY/ PROVIDE CONT. WOOD NAILER
PITCH POCKET
3/16" END PL. WELD TO MC 8
TYP. EA LEG 3/16
4x6 BLOCKING BETWEEN JOISTS ATTACH TO I JOISTS (4/TS2)
L 2 1/2" x 2 1/2" x 3/16" x 0'-3"
F.P. M D
STEEL BEAM

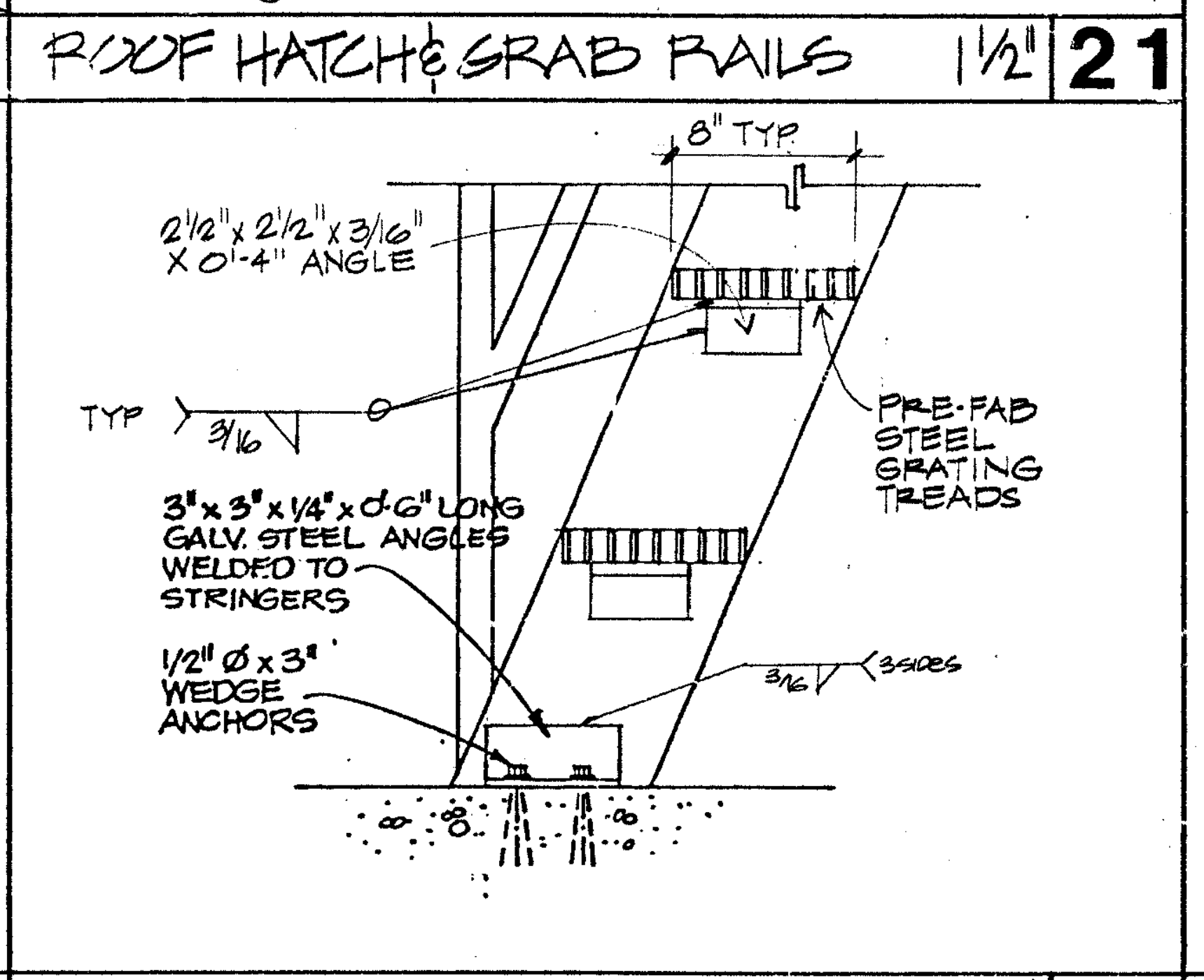
ROOF HATCH & GRAB RAILS 1 1/2" 21


LIGHT TRANSMITTING "SKYROOF"
CONT. CLEAT @ MTL FLASHING
PREFIN MTL. ROOFING
6"
MTL TRIM
5/8" GWB
7"

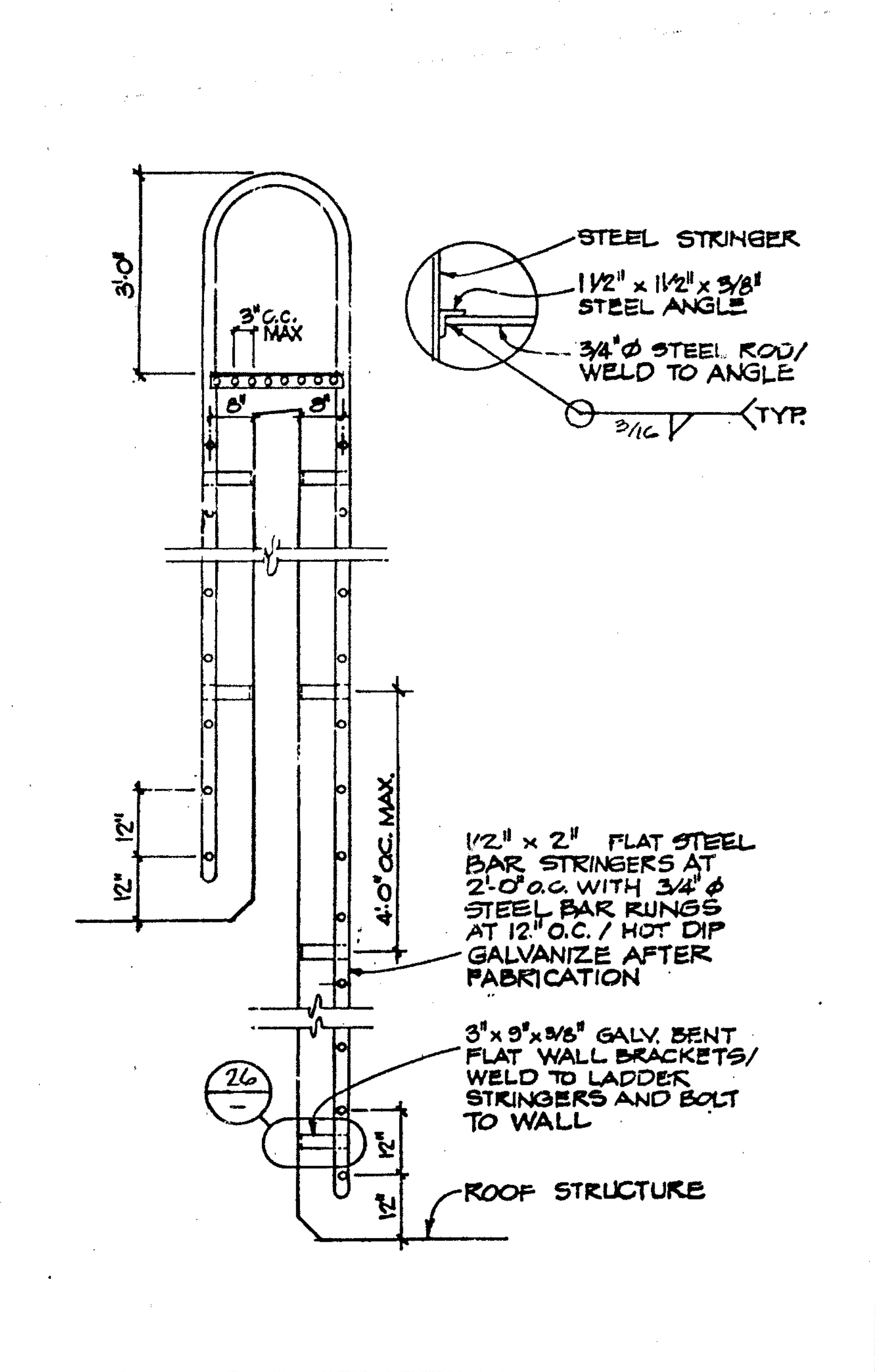
"SKYROOF" @ METAL ROOF 3" 25


RUNG WHERE OCCURS
SIMPSON A35 TOP & BOT. AT EACH END OF BLKG.
8"
3"x9"x3/8" GALV. STL. PLATE
1/2"x2" GALV. STL. STRINGER
3/16"
1/2"Øx4" LAG SCREW
12" TYP.
3/16"
3"x3"x3/8" GALV. STL. PL.
4x BLOCKING
3/16"
STL. SLEEVE
GWB OR EXT. PLAS. WHERE OCCURS
TYP. 3/16

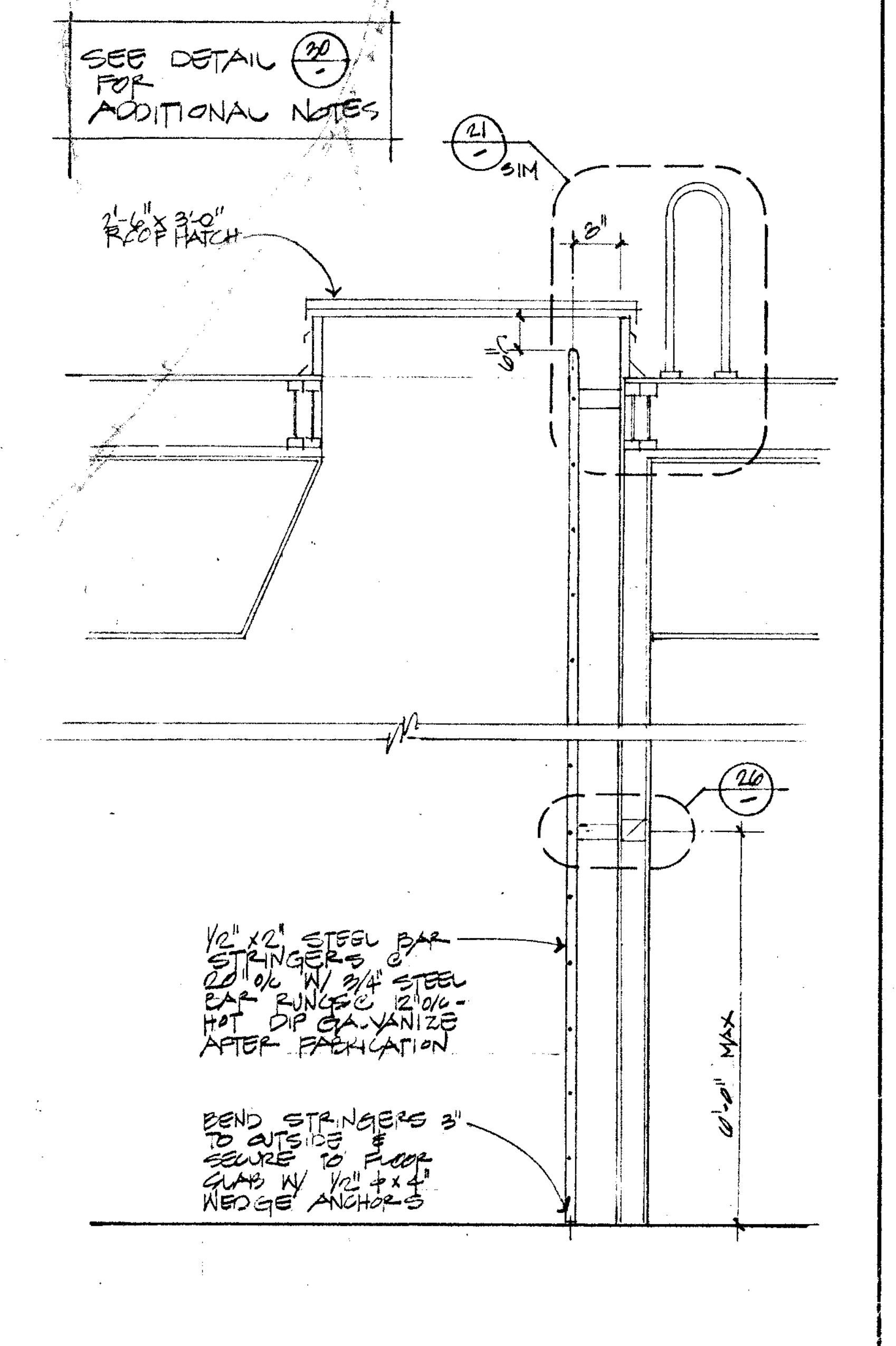
LADDER BRACKET 3" 26


8" TYP.
2 1/2" x 2 1/2" x 3/16" x 0'-4" ANGLE
TYP 3/16
PRE-FAB STEEL GRATING TREADS
3" x 3" x 1/4" x 0'-6" LONG GALV. STEEL ANGLES WELDED TO STRINGERS
1/2"Ø x 3" WEDGE ANCHORS
3/16 3 SIDES

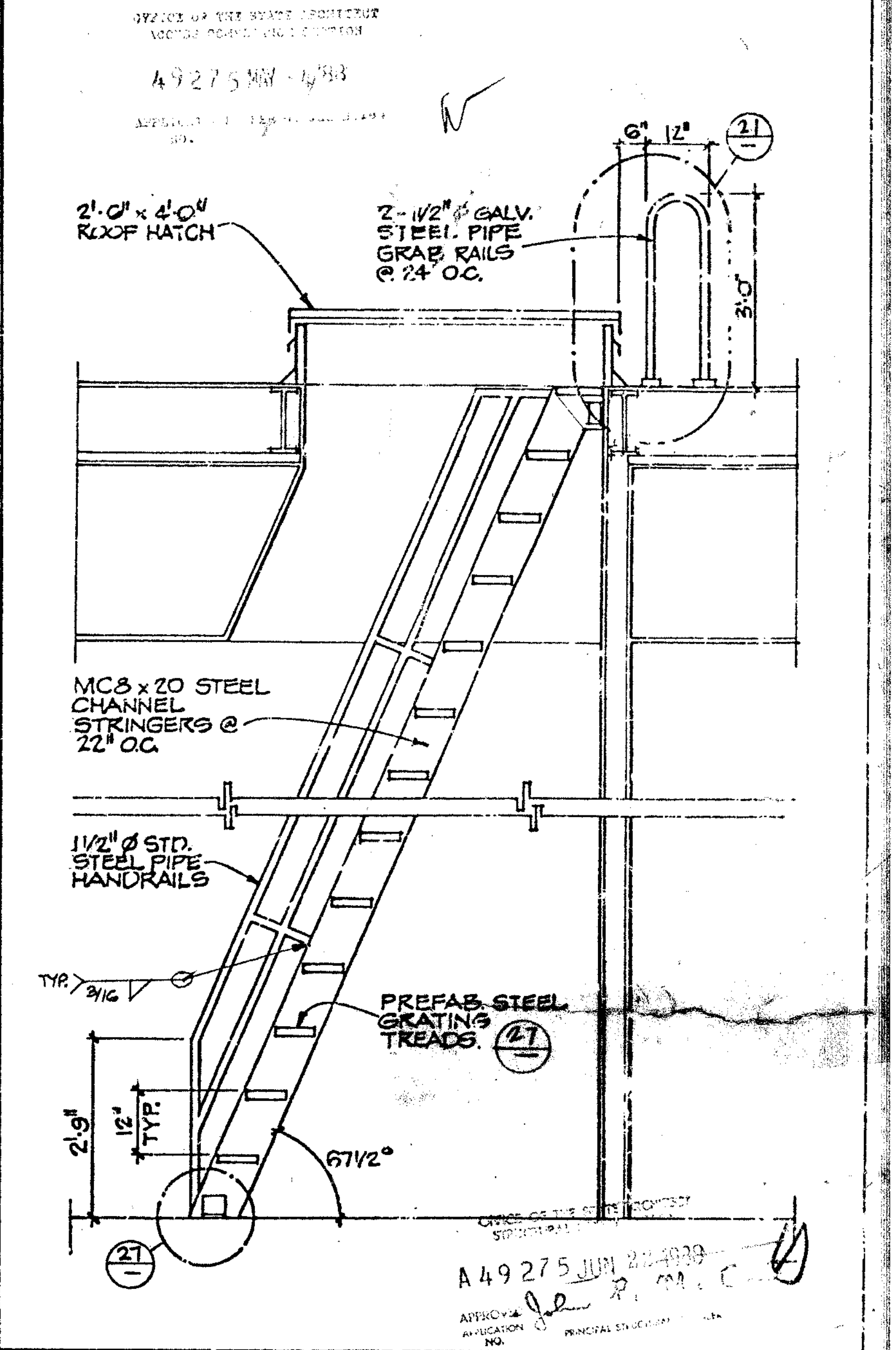
LADDER ANCHORAGE 1 1/2" 27


3'-0"
3" O.C. MAX
8"
8"
STEEL STRINGER
1 1/2" x 1 1/2" x 3/8" STEEL ANGLE
3/4"Ø STEEL ROD/ WELD TO ANGLE
3/16 TYP.
12"
12"
4'-0" O.C. MAX.
1/2" x 2" FLAT STEEL BAR STRINGERS AT 2'-0" o.c. WITH 3/4"Ø STEEL BAR RUNGS AT 12" O.C. / HOT DIP GALVANIZE AFTER FABRICATION
3" x 9" x 3/8" GALV. BENT FLAT WALL BRACKETS/ WELD TO LADDER STRINGERS AND BOLT TO WALL
(26/–)
12"
12"
ROOF STRUCTURE

PARAPET LADDER 1/2" 28


SEE DETAIL (30/–) FOR ADDITIONAL NOTES
(21/–) SIM
2'-6" x 3'-0" ROOF HATCH
8"
6"
(26/–)
1/2" x 2" STEEL BAR STRINGERS @ 2'0" o/c W/ 3/4" STEEL BAR RUNGS @ 12" o/c - HOT DIP GALVANIZE AFTER FABRICATION
BEND STRINGERS 3" TO OUTSIDE & SECURE TO FLOOR SLAB W/ 1/2"Ø x 4" WEDGE ANCHORS
6'-0" MAX

ROOF ACCESS LADDER 1/2" 29


6"
12"
(21/–)
2'-0" x 4'-0" ROOF HATCH
2-1 1/2"Ø GALV. STEEL PIPE GRAB RAILS @ 24" O.C.
3'-0"
MC8 x 20 STEEL CHANNEL STRINGERS @ 22" O.C.
1 1/2"Ø STD. STEEL PIPE HANDRAILS
TYP. 3/16
PREFAB. STEEL GRATING TREADS. (27/–)
2'-9"
12" TYP.
67 1/2°
(27/–)

OFFICE OF THE STATE ARCHITECT
A 49275 MAY - 1988

A 49275 JUN 2 2 1988

ROOF ACCESS ASSEMBLY 1/2" 30

Drawn By
Checked By
Date
Commission No. 1-30-05

Revisions
BID JANUARY 1991

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ARCHITECT
C20662

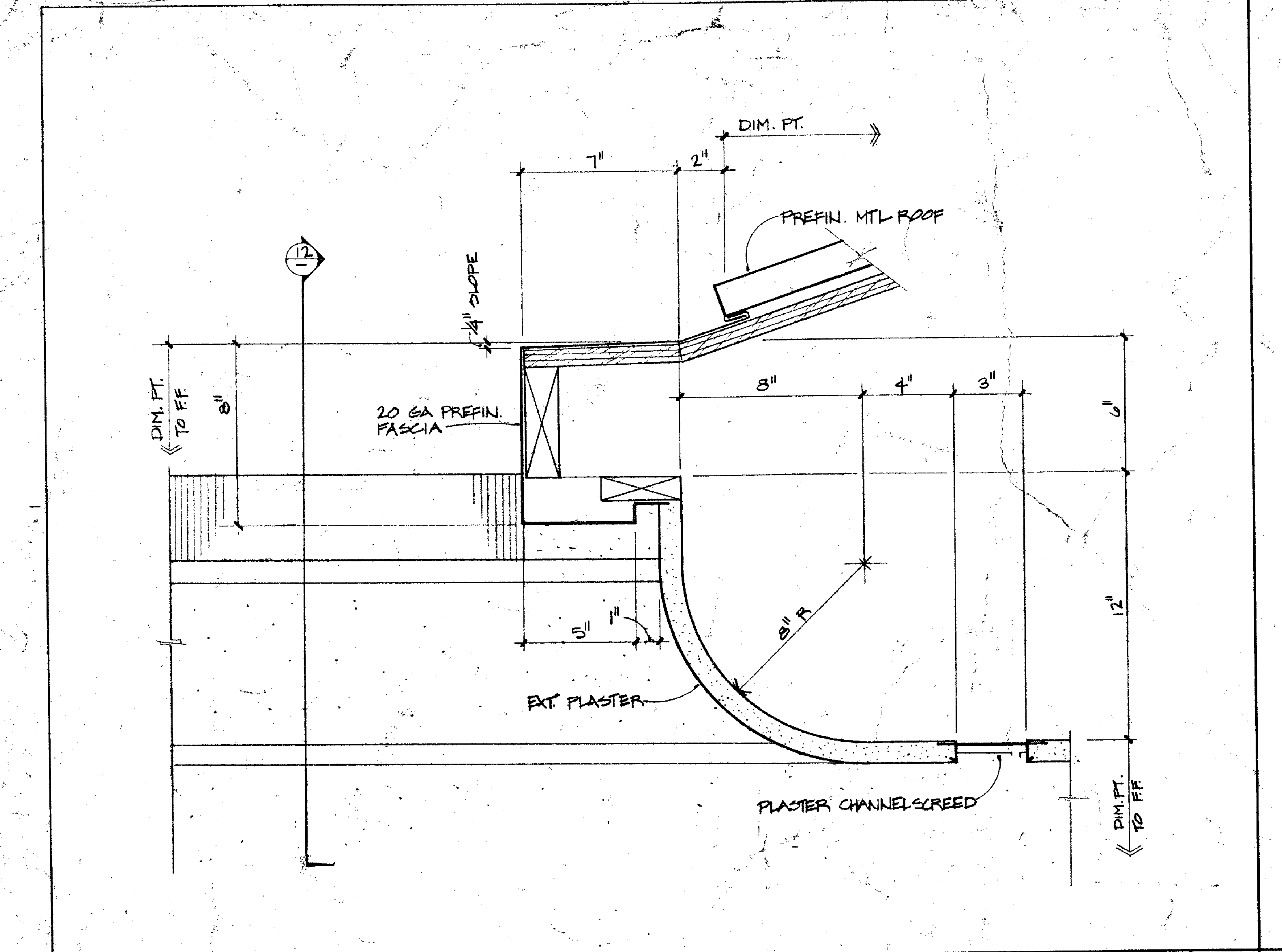
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Roof -
TYPICAL DETAILS

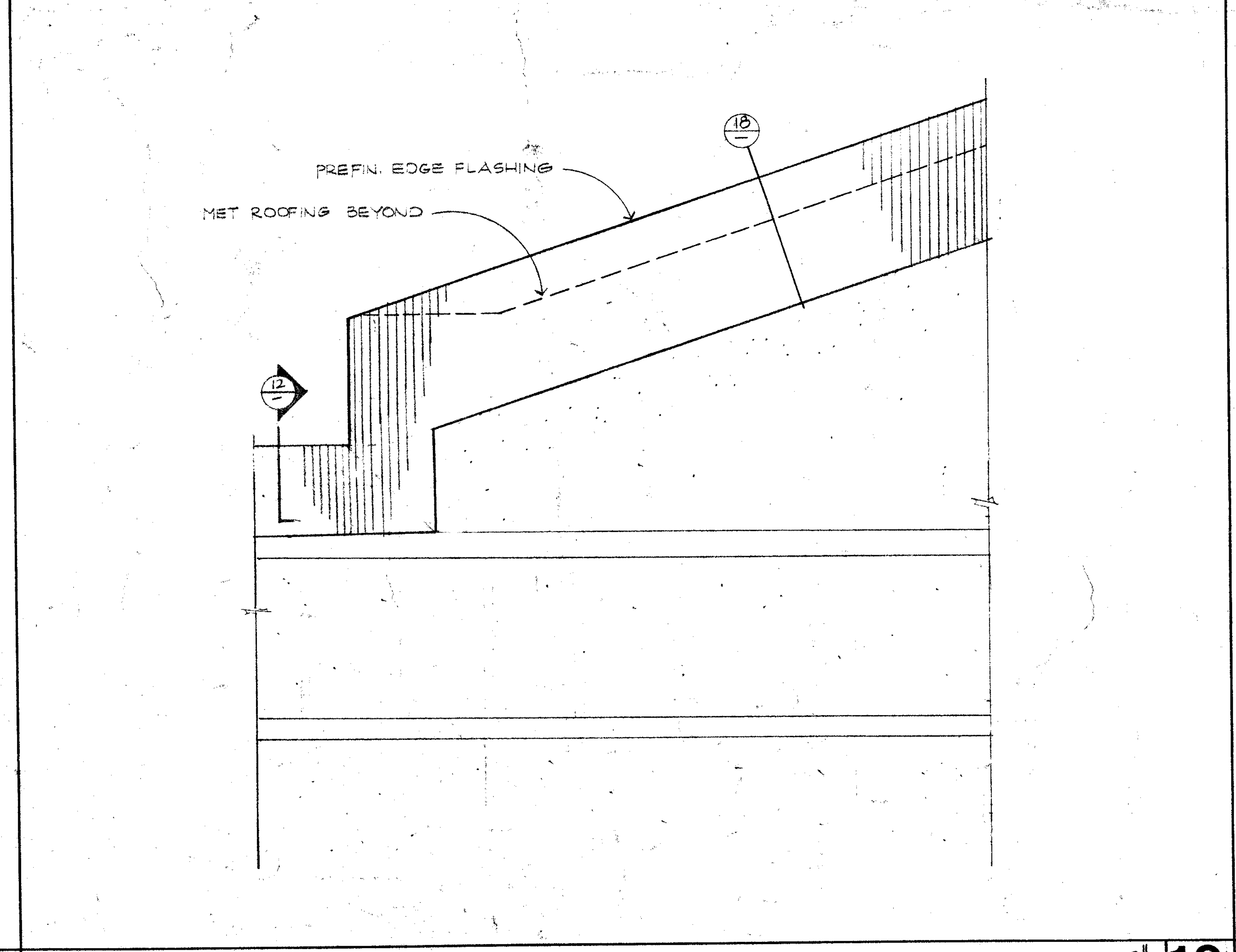
APPROVED
FIRE AND PANIC ONLY
JUN 2 0 1988
BJ
STATE FIRE MARSHAL
SOUTHERN REGION

Sheet Number
TD-10
87 Of Sheets

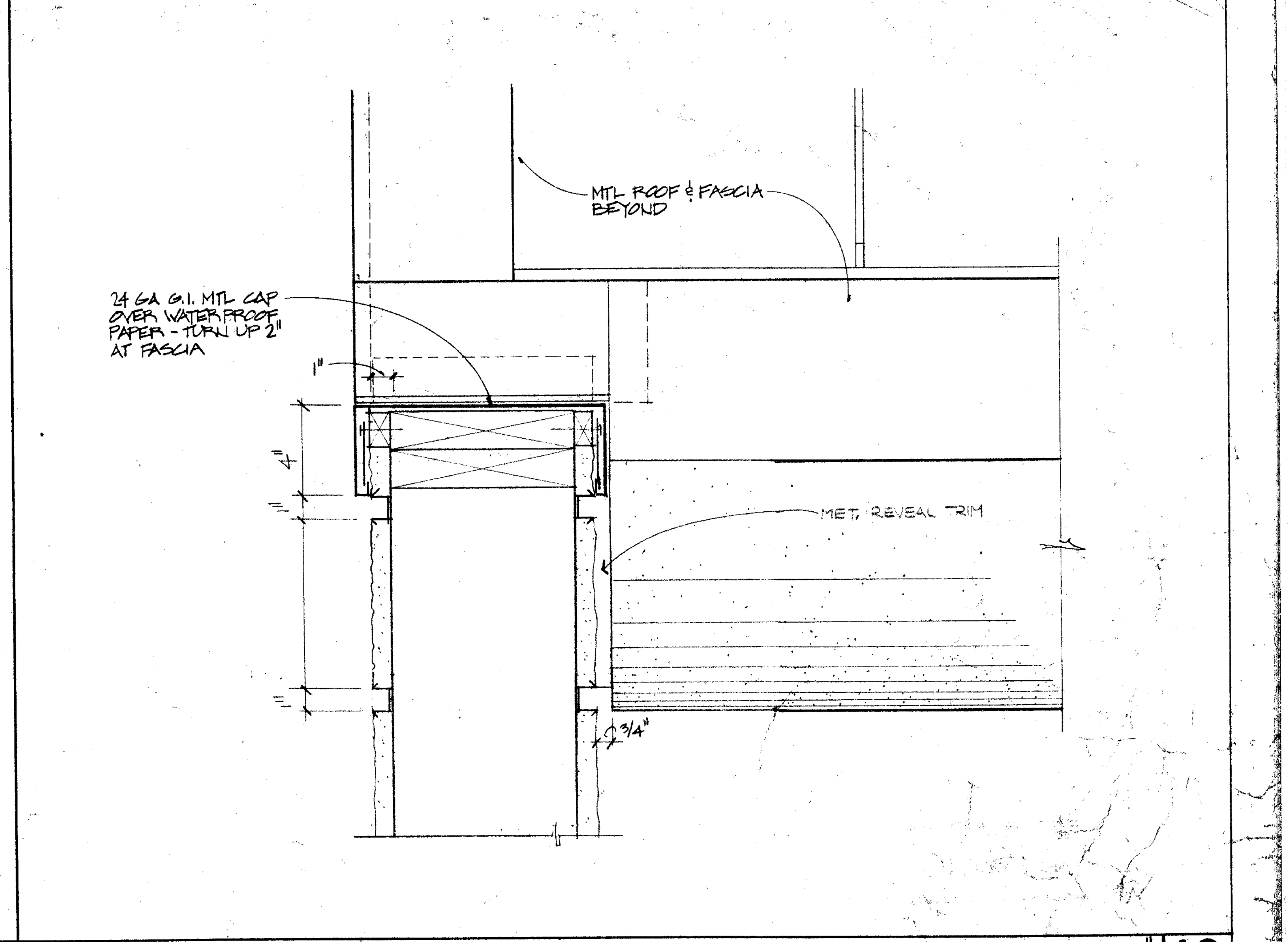
INCREMENT 2


DIM. PT.
7"
2"
PREFIN. MTL ROOF
12
¼" SLOPE
DIM. PT. TO F.F.
8"
20 GA PREFIN. FASCIA
8"
4"
3"
6"
12"
8" R
5"
1"
EXT. PLASTER
PLASTER CHANNEL SCREED
DIM. PT. TO FF

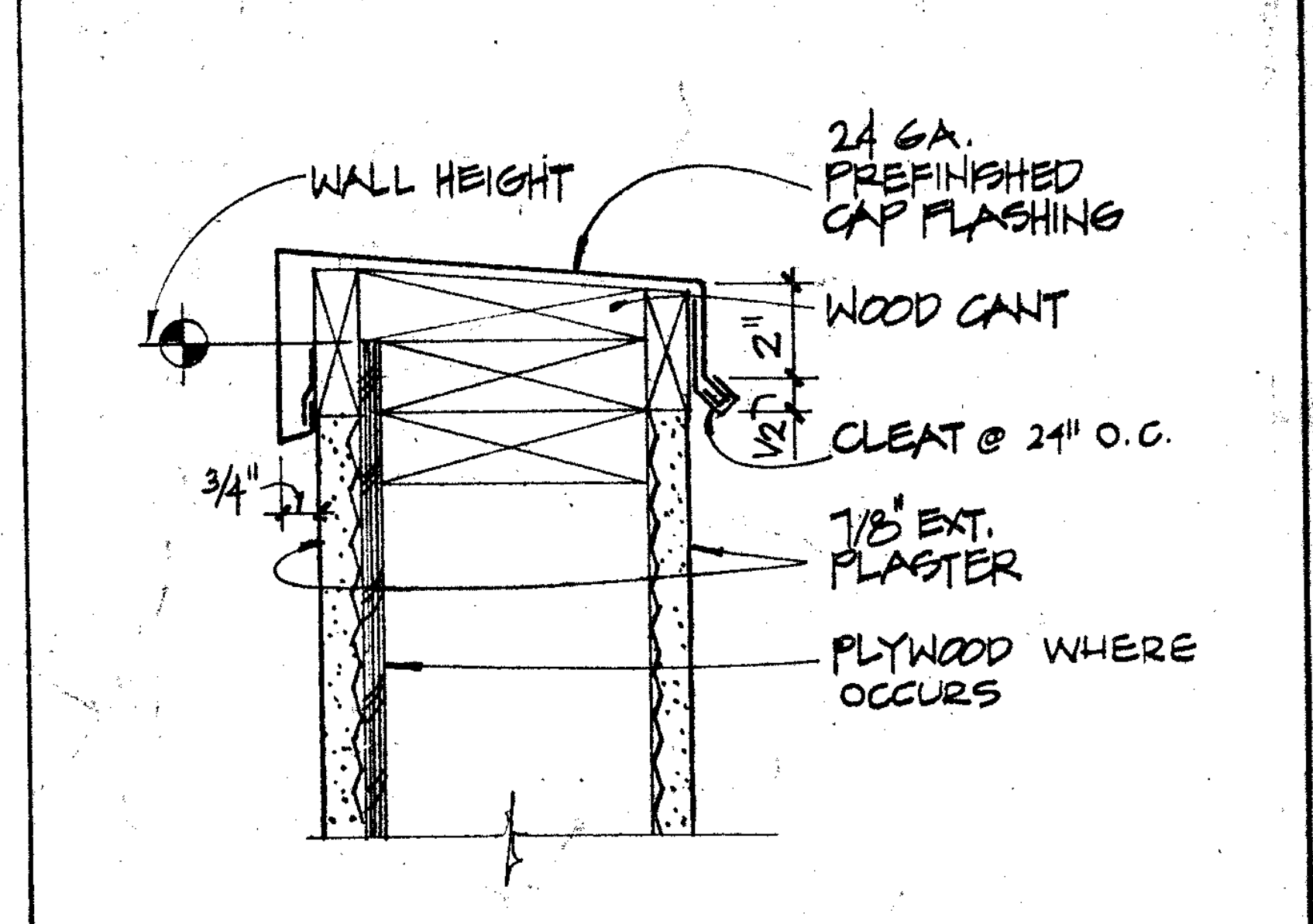
EAVE DETAIL 3" **8**


PREFIN. EDGE FLASHING
MET ROOFING BEYOND
18
12

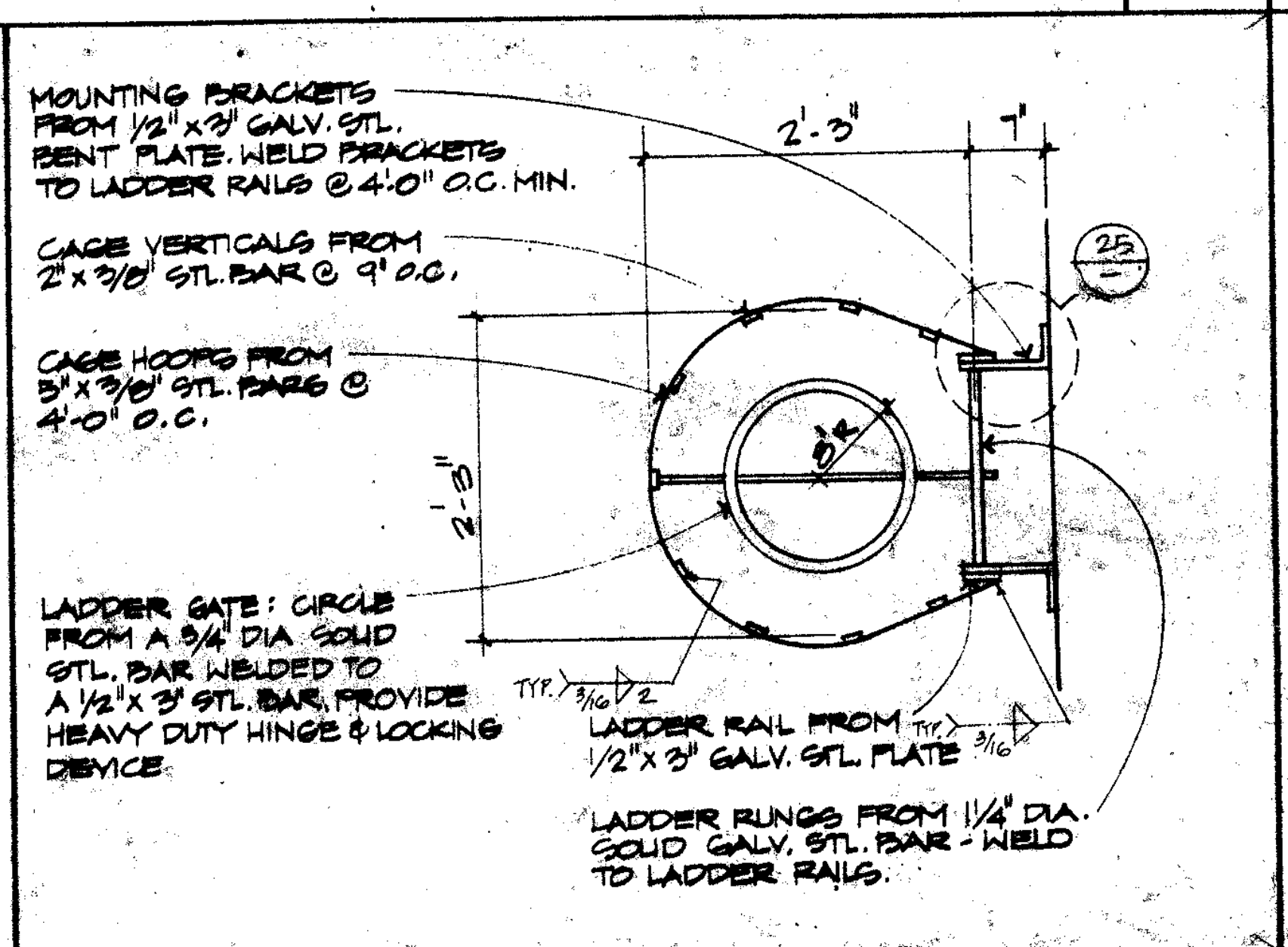
EDGE FLASHING @ WALL 3" **10**


MTL ROOF & FASCIA BEYOND
24 GA G.I. MTL CAP OVER WATER PROOF PAPER - TURN UP 2" AT FASCIA
1"
4"
MET. REVEAL TRIM
3/4"

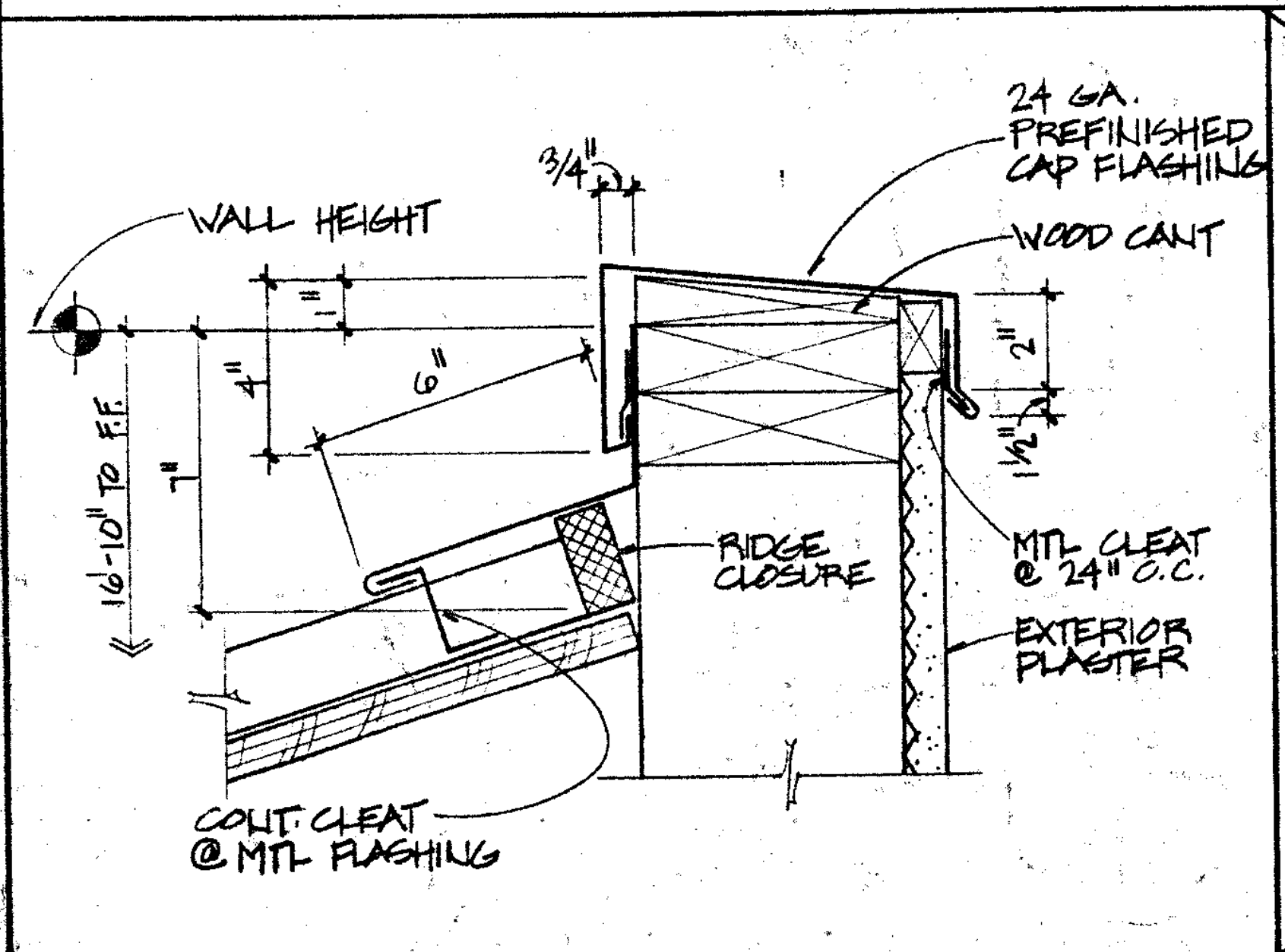
COLUMN SECTION 3" **12**


WALL HEIGHT
24 GA. PREFINISHED CAP FLASHING
WOOD CANT
2"
1/2"
CLEAT @ 24" O.C.
3/4"
7/8" EXT. PLASTER
PLYWOOD WHERE OCCURS

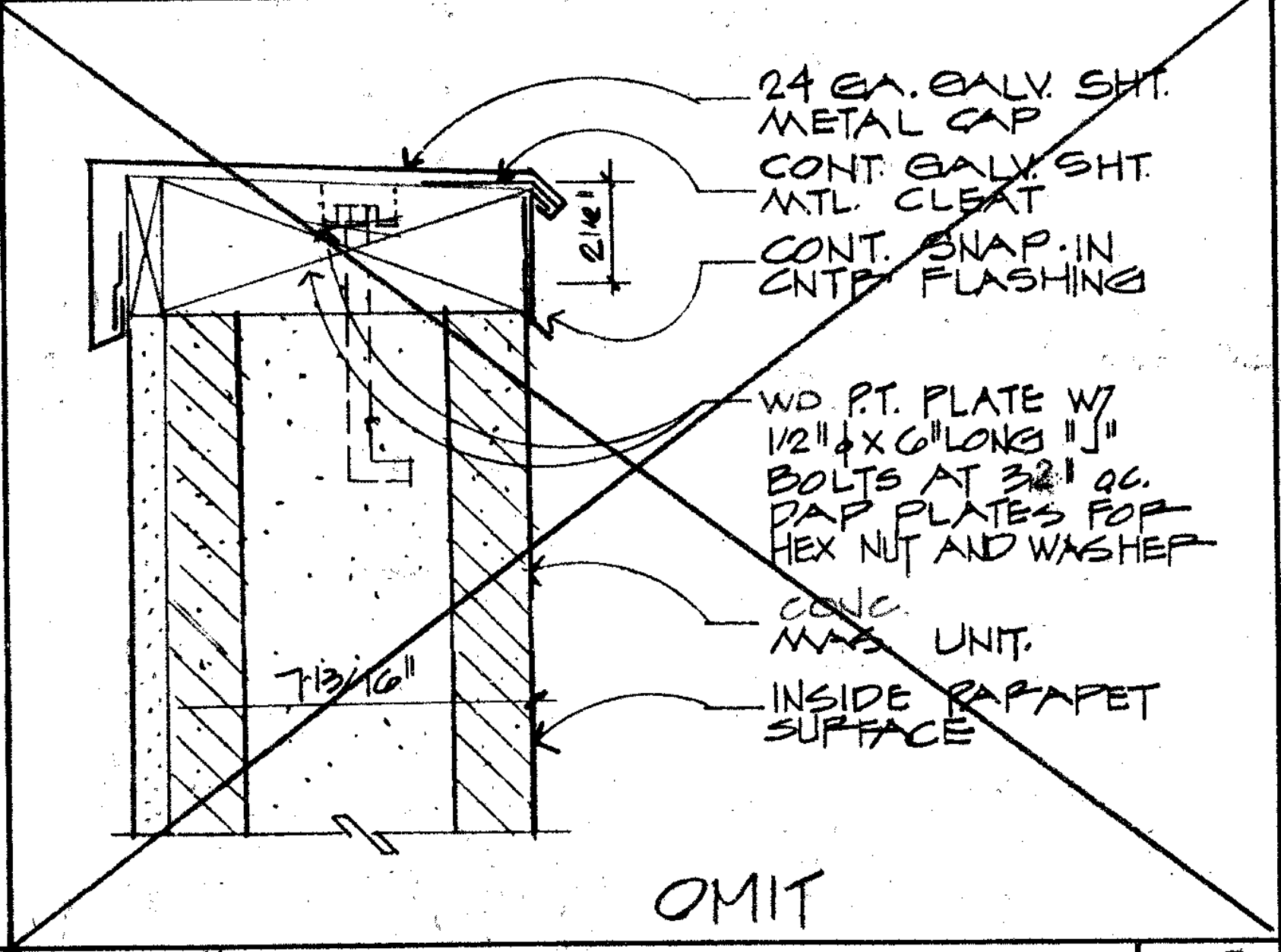
WALL CAP @ WOOD STUDS 3" **13**


MOUNTING BRACKETS FROM 1/2" x 3" GALV. STL. BENT PLATE. WELD BRACKETS TO LADDER RAILS @ 4'-0" O.C. MIN.
CAGE VERTICALS FROM 2" x 3/8" STL. BAR @ 9" O.C.
CAGE HOOPS FROM 3" x 3/8" STL. BARS @ 4'-0" O.C.
LADDER GATE: CIRCLE FROM A 3/4" DIA SOLID STL. BAR WELDED TO A 1/2" x 3" STL. BAR. PROVIDE HEAVY DUTY HINGE & LOCKING DEVICE.
2'-3"
7"
2'-3"
25
TYP. 3/16 2
LADDER RAIL FROM 1/2" x 3" GALV. STL. PLATE TYP. 3/16
LADDER RUNGS FROM 1 1/4" DIA. SOLID GALV. STL. BAR - WELD TO LADDER RAILS.

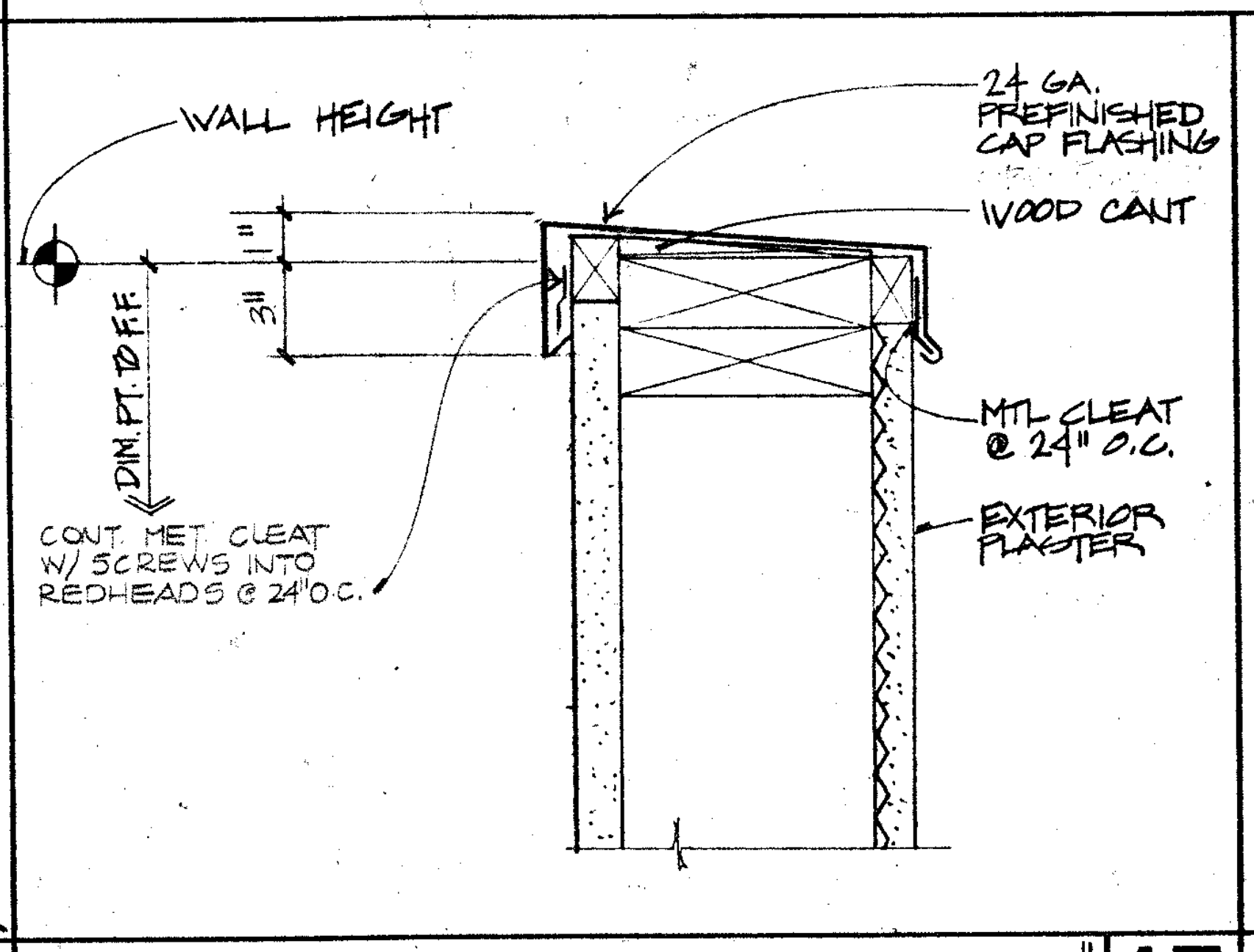
LADDER @ CAGE **14**


WALL HEIGHT
3/4"
24 GA. PREFINISHED CAP FLASHING
WOOD CANT
16'-10" TO F.F.
4"
6"
7"
2"
1 1/2"
RIDGE CLOSURE
MTL CLEAT @ 24" O.C.
EXTERIOR PLASTER
CONT. CLEAT @ MTL FLASHING

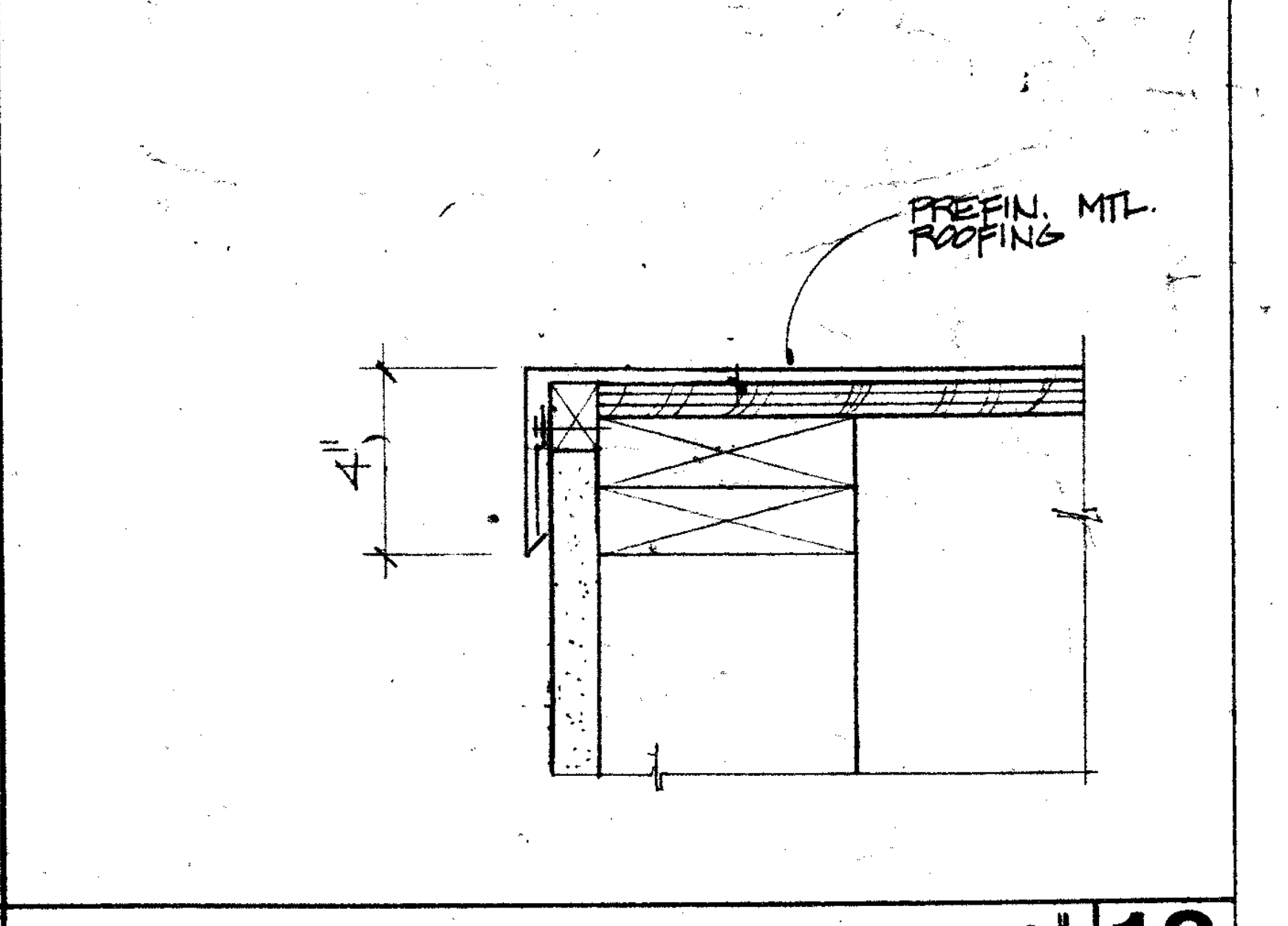
WALL CAP @ METAL ROOF 3" **15**


24 GA. GALV. SHT. METAL CAP
CONT. GALV. SHT. MTL. CLEAT
CONT. SNAP-IN CNTR. FLASHING
2 1/2"
WD. P.T. PLATE W/ 1/2" ø x 6" LONG "J" BOLTS AT 32" O.C. DAP PLATES FOR HEX NUT AND WASHER
CONC. MAS. UNIT.
INSIDE PARAPET SURFACE
7 13/16"
OMIT

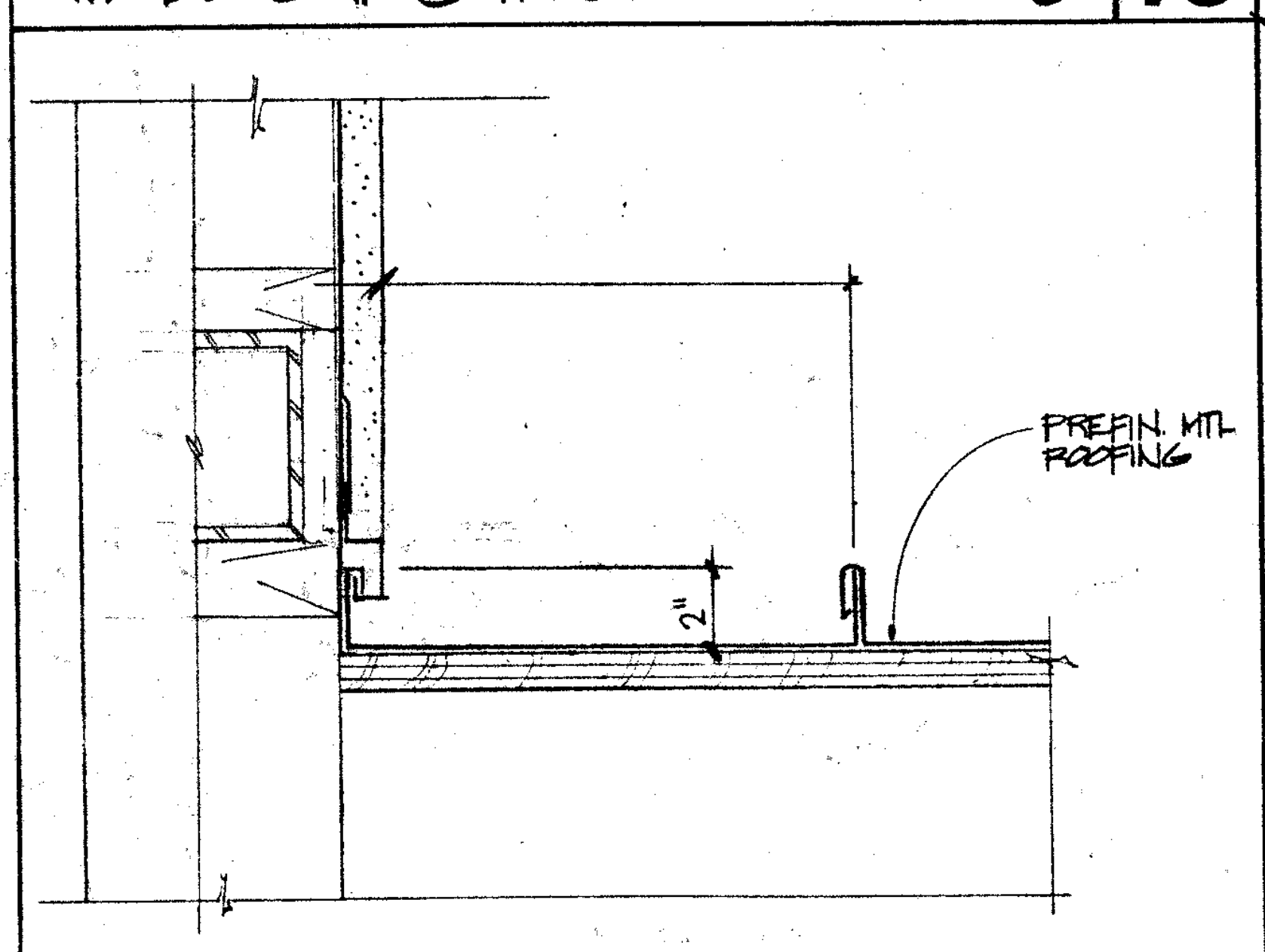
WALL CAP @ BLOCK WALL 3" **16**


WALL HEIGHT
24 GA. PREFINISHED CAP FLASHING
WOOD CANT
1"
3"
DIM. PT. TO F.F.
CONT. MET. CLEAT W/ SCREWS INTO REDHEADS @ 24" O.C.
MTL CLEAT @ 24" O.C.
EXTERIOR PLASTER

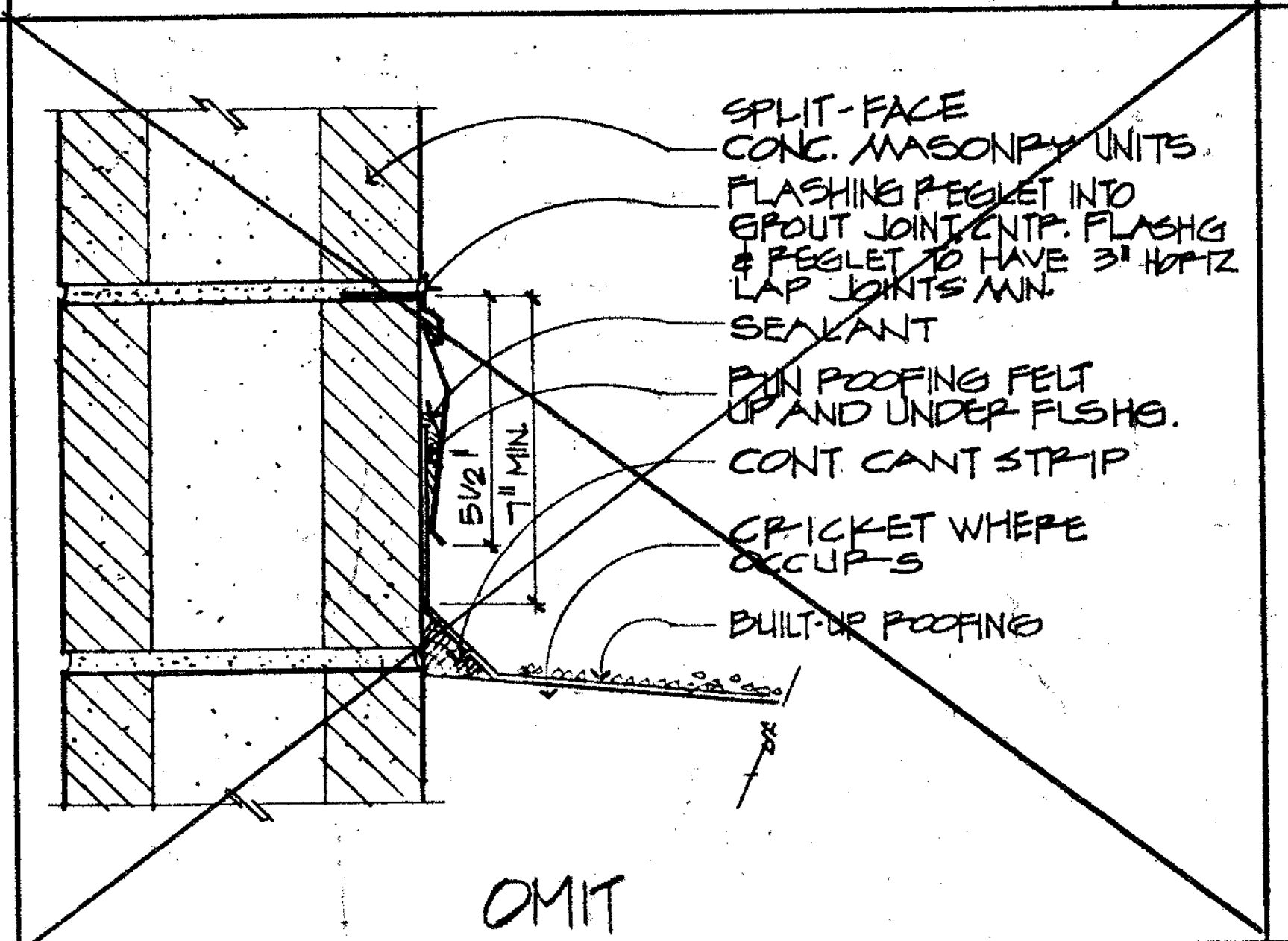
WALL CAP 3" **17**


PREFIN. MTL. ROOFING
4"

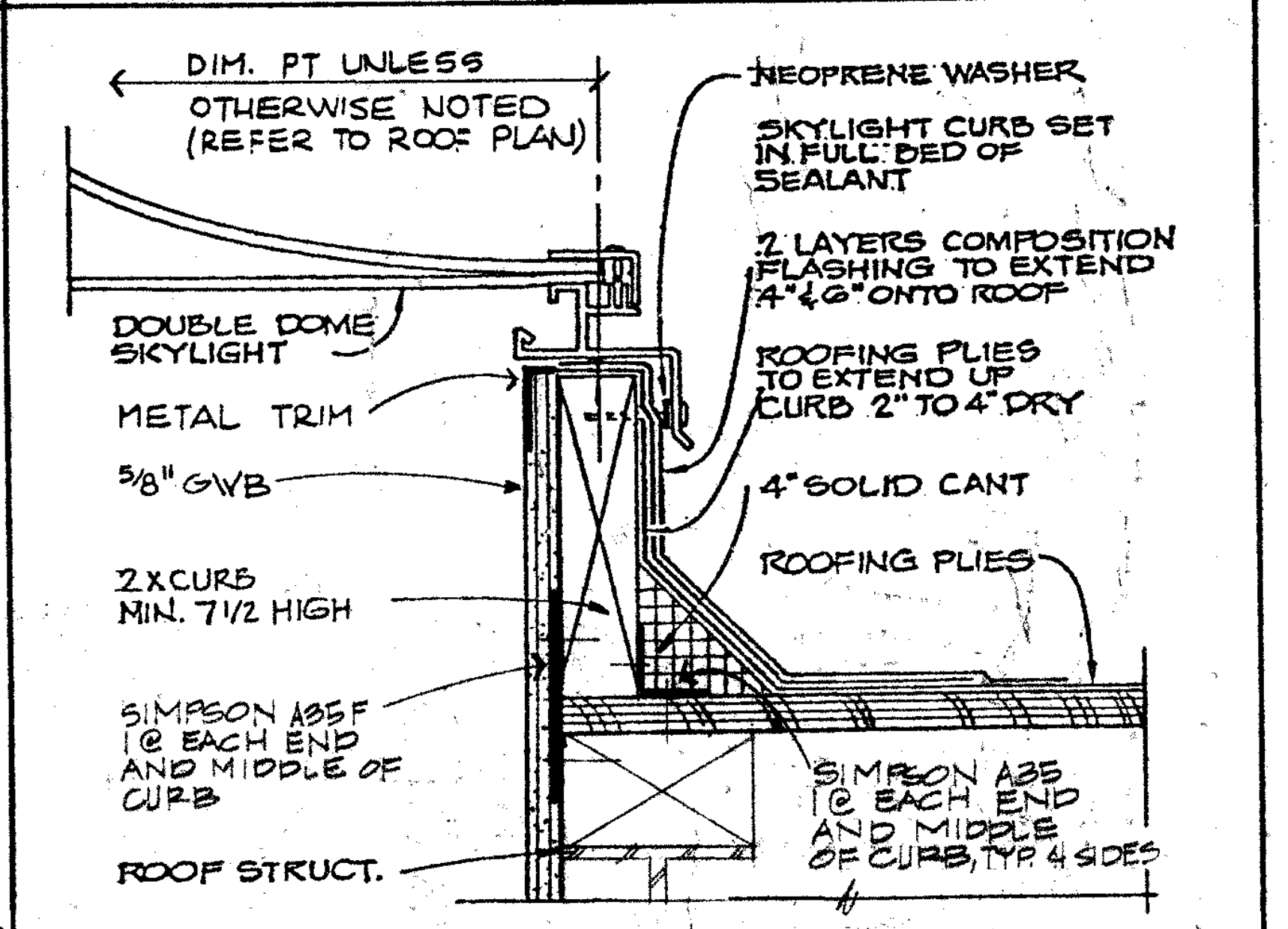
EDGE CAP 3" **18**


PREFIN. MTL ROOFING
2"

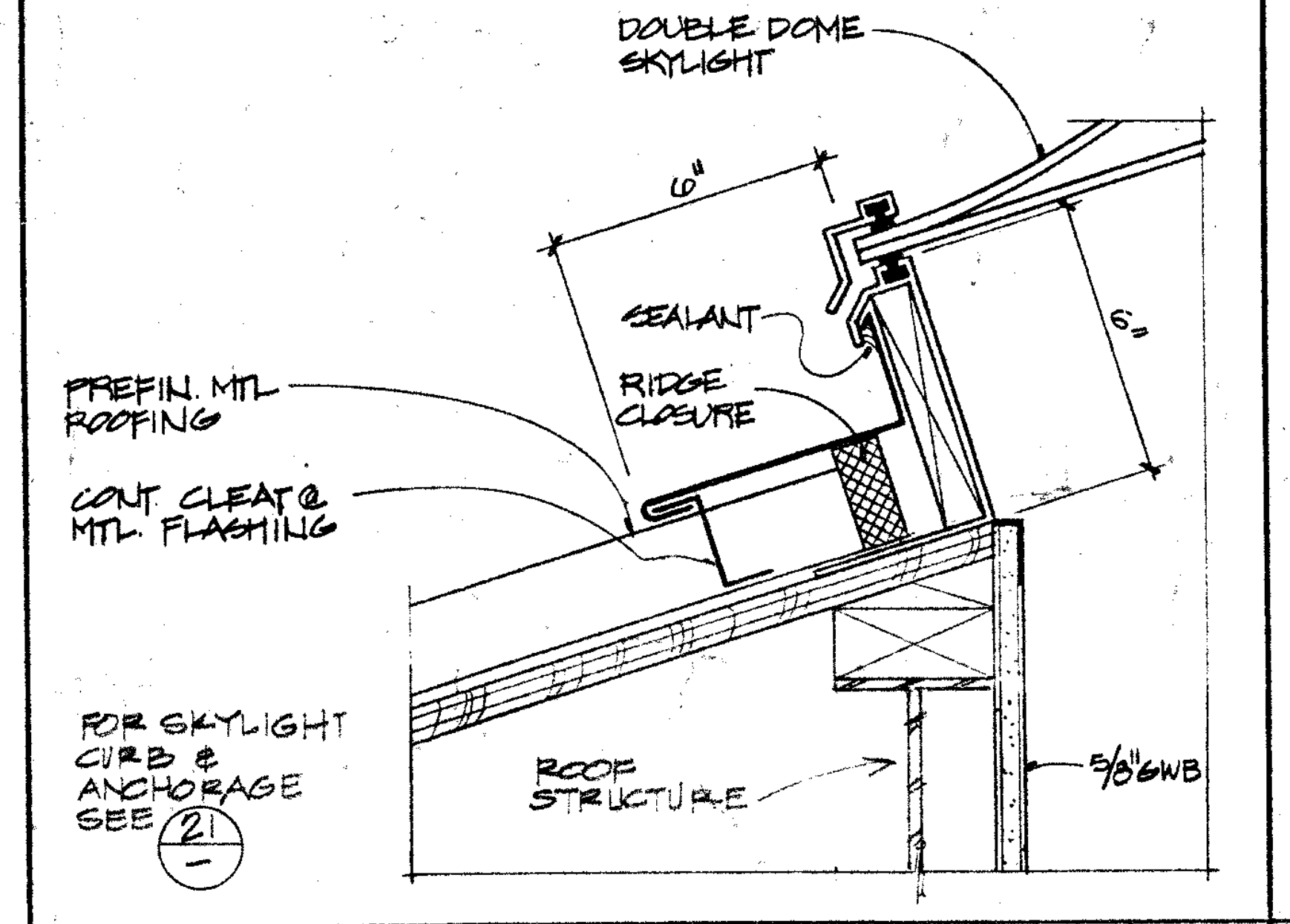
RAKE FLASHING 3" **19**


SPLIT-FACE CONC. MASONRY UNITS
FLASHING REGLET INTO GROUT JOINT. CNTR. FLASHG & REGLET TO HAVE 3" HORIZ LAP JOINTS MIN.
SEALANT
RUN ROOFING FELT UP AND UNDER FLSHG.
CONT. CANT STRIP
CRICKET WHERE OCCURS
BUILT-UP ROOFING
5 1/2"
7" MIN.
OMIT

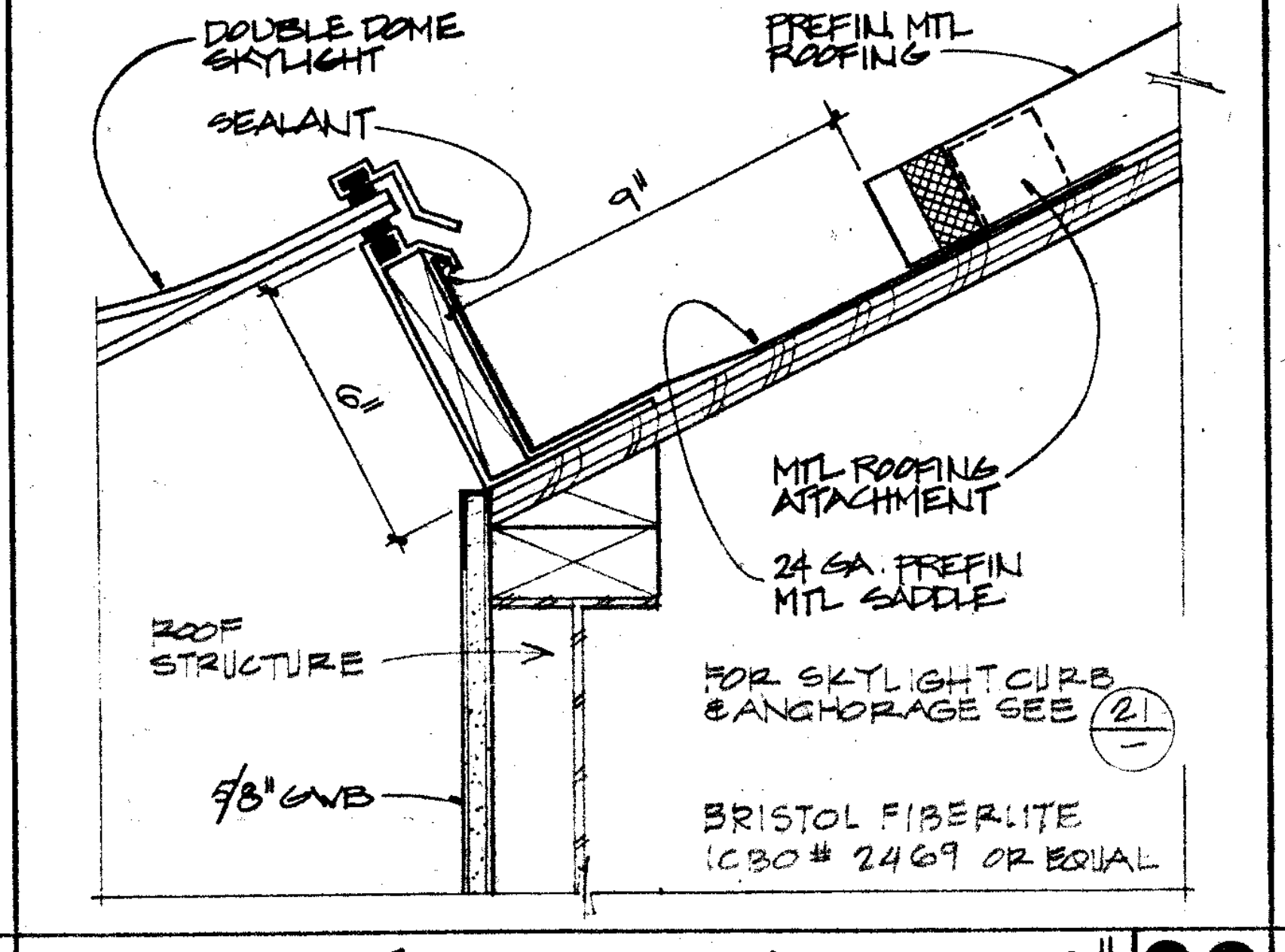
REGLET FLASHING @ BLK. WALL 3" **20**


DIM. PT UNLESS OTHERWISE NOTED (REFER TO ROOF PLAN)
NEOPRENE WASHER
SKYLIGHT CURB SET IN FULL BED OF SEALANT
2 LAYERS COMPOSITION FLASHING TO EXTEND 4" & 6" ONTO ROOF
ROOFING PLIES TO EXTEND UP CURB 2" TO 4" DRY
4" SOLID CANT
ROOFING PLIES
DOUBLE DOME SKYLIGHT
METAL TRIM
5/8" GWB
2 X CURB MIN. 7 1/2 HIGH
SIMPSON A35F 1 @ EACH END AND MIDDLE OF CURB
SIMPSON A35 1 @ EACH END AND MIDDLE OF CURB, TYP. 4 SIDES
ROOF STRUCT.

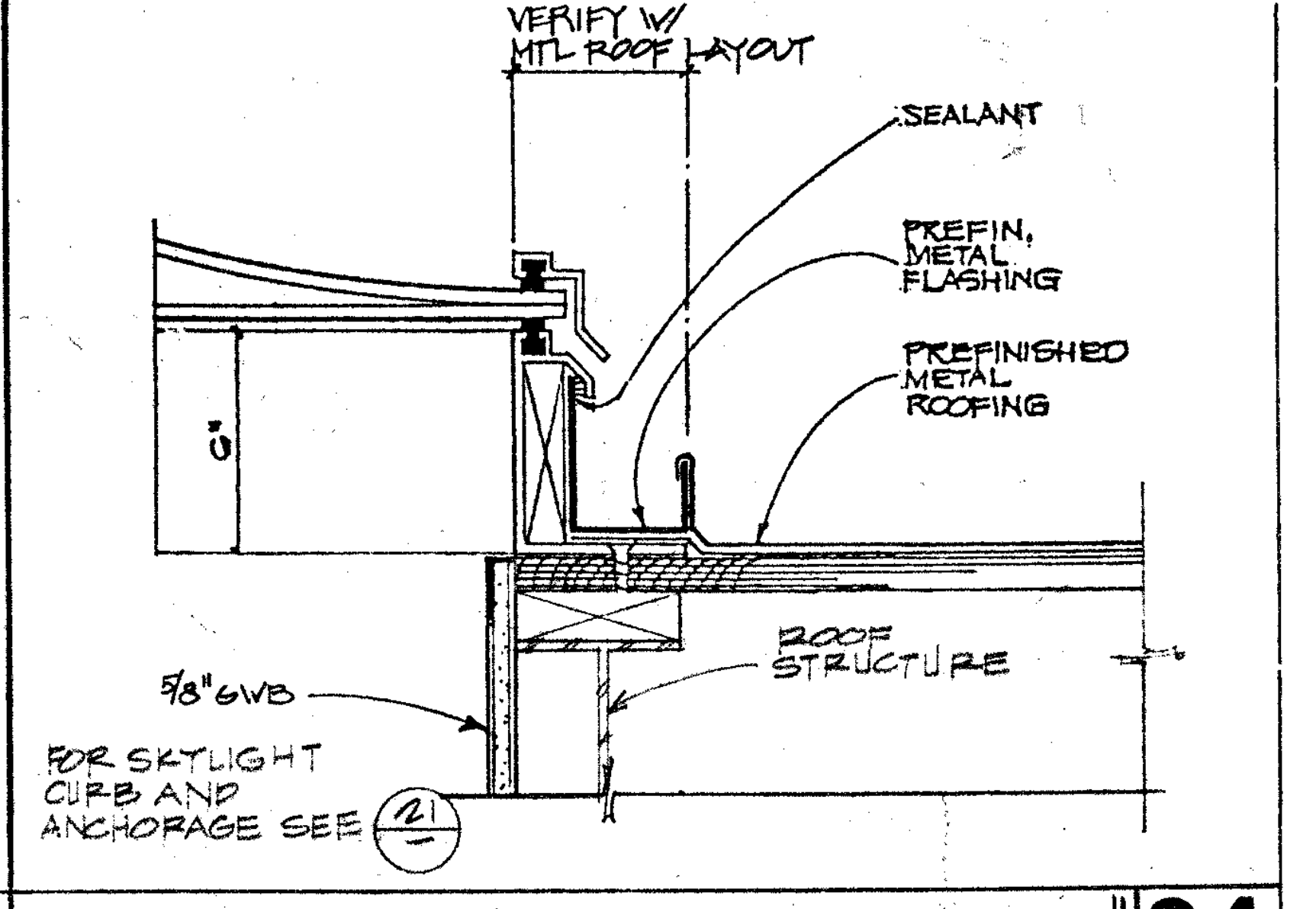
SKYLIGHT CURB 3" **21**


DOUBLE DOME SKYLIGHT
6"
6"
SEALANT
RIDGE CLOSURE
PREFIN. MTL ROOFING
CONT. CLEAT @ MTL. FLASHING
FOR SKYLIGHT CURB & ANCHORAGE SEE 21
ROOF STRUCTURE
5/8" GWB

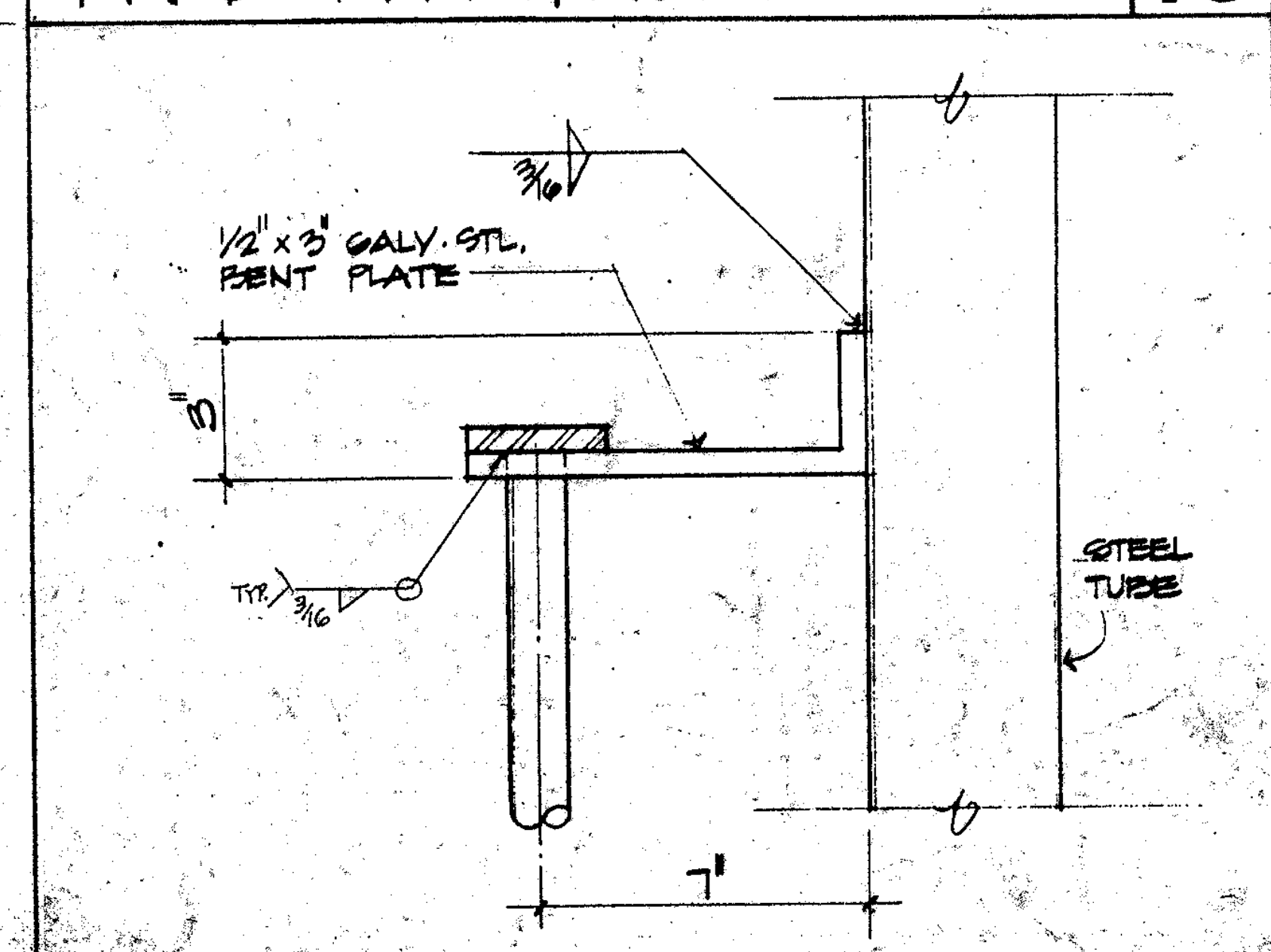
SKYLIGHT FLASHING 3" **22**


DOUBLE DOME SKYLIGHT
SEALANT
PREFIN. MTL ROOFING
9"
6"
MTL ROOFING ATTACHMENT
24 GA. PREFIN MTL SADDLE
ROOF STRUCTURE
FOR SKYLIGHT CURB & ANCHORAGE SEE 21
5/8" GWB
BRISTOL FIBERLITE ICBO # 2469 OR EQUAL

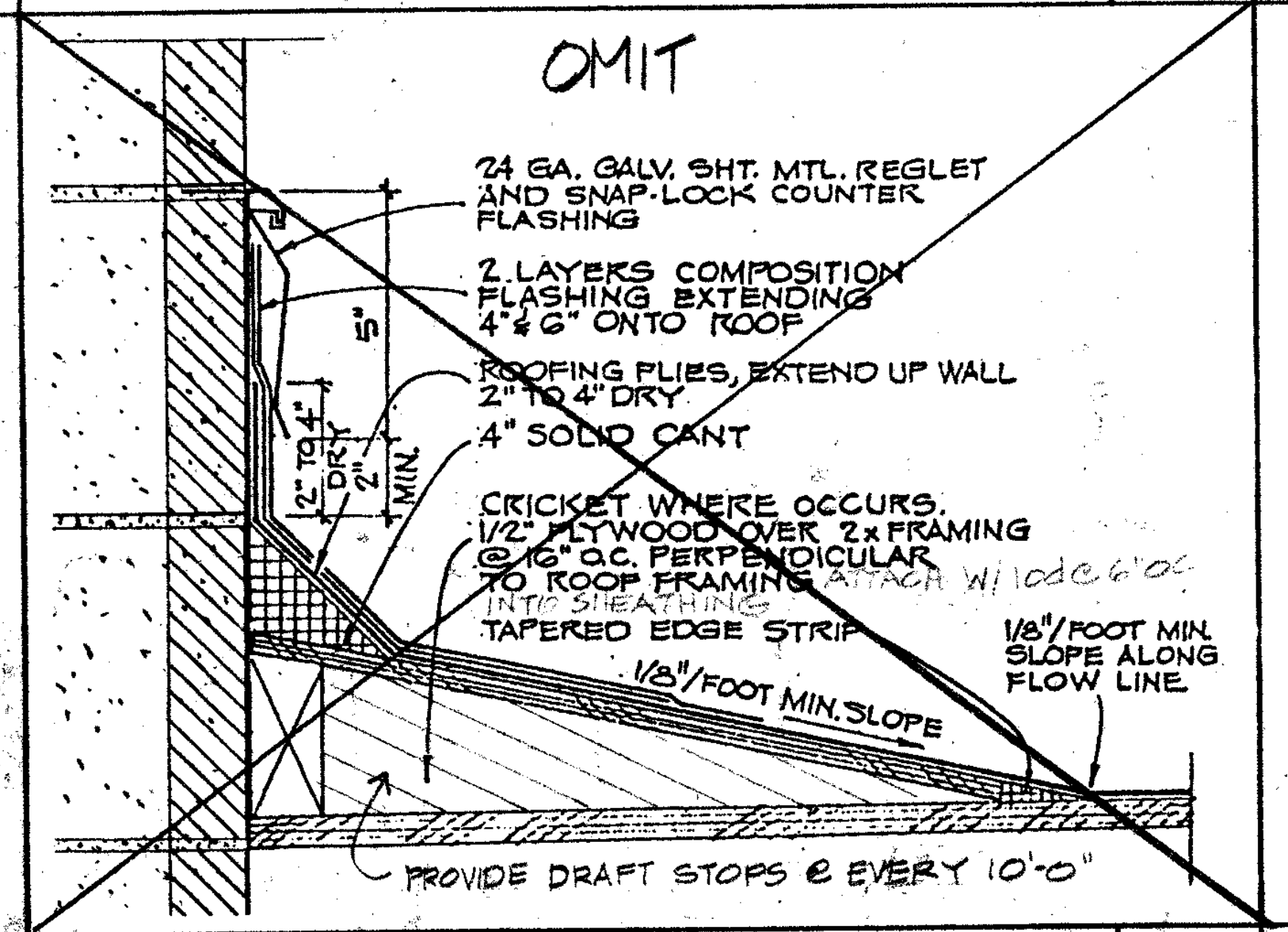
SKYLIGHT @ SADDLE 3" **23**


VERIFY W/ MTL ROOF LAYOUT
SEALANT
PREFIN. METAL FLASHING
PREFINISHED METAL ROOFING
6"
5/8" GWB
ROOF STRUCTURE
FOR SKYLIGHT CURB AND ANCHORAGE SEE 21

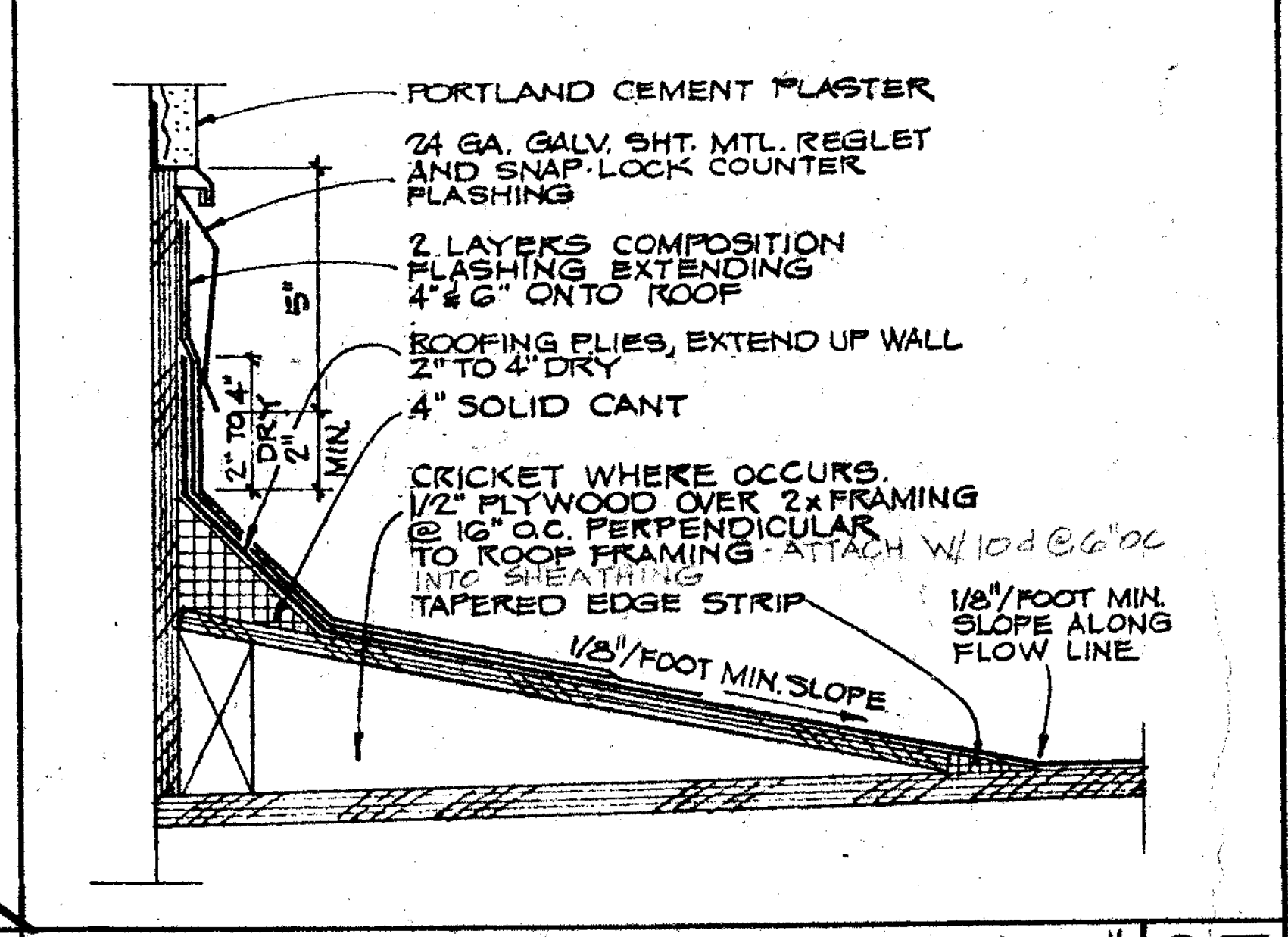
SKYLIGHT @ RAKE 3" **24**


3/16
1/2" x 3" GALV. STL. BENT PLATE
3"
TYP. 3/16
STEEL TUBE
7"

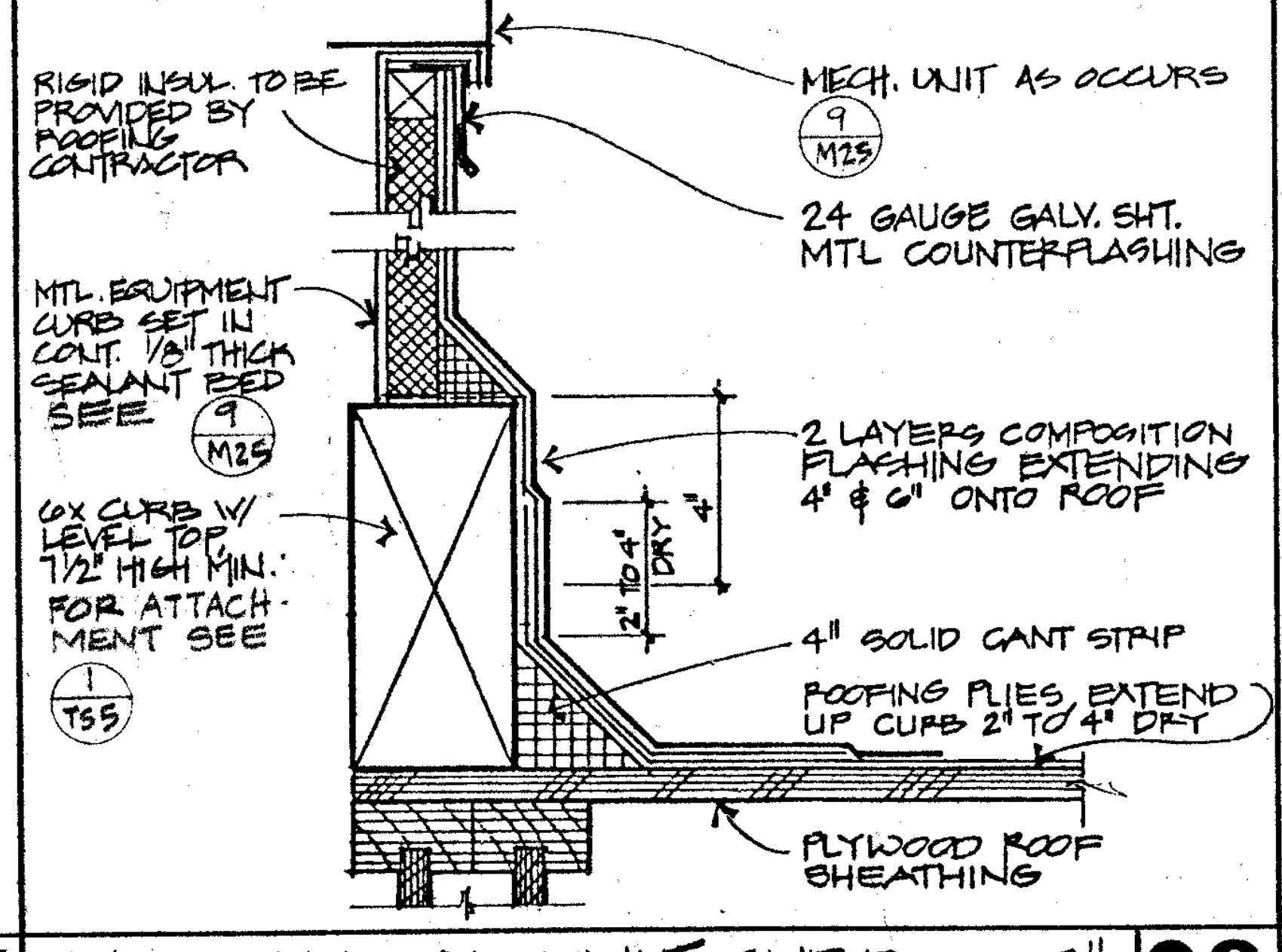
LADDER @ CAGE ANCHORAGE **25**


OMIT
24 GA. GALV. SHT. MTL. REGLET AND SNAP-LOCK COUNTER FLASHING
2 LAYERS COMPOSITION FLASHING EXTENDING 4" & 6" ONTO ROOF
ROOFING PLIES, EXTEND UP WALL 2" TO 4" DRY
4" SOLID CANT
CRICKET WHERE OCCURS. 1/2" PLYWOOD OVER 2x FRAMING @ 16" O.C. PERPENDICULAR TO ROOF FRAMING - ATTACH W/ 10d @ 6" OC INTO SHEATHING
TAPERED EDGE STRIP
1/8"/FOOT MIN. SLOPE
1/8"/FOOT MIN. SLOPE ALONG FLOW LINE
5"
2" TO 4" DRY
2" MIN.
PROVIDE DRAFT STOPS @ EVERY 10'-0"

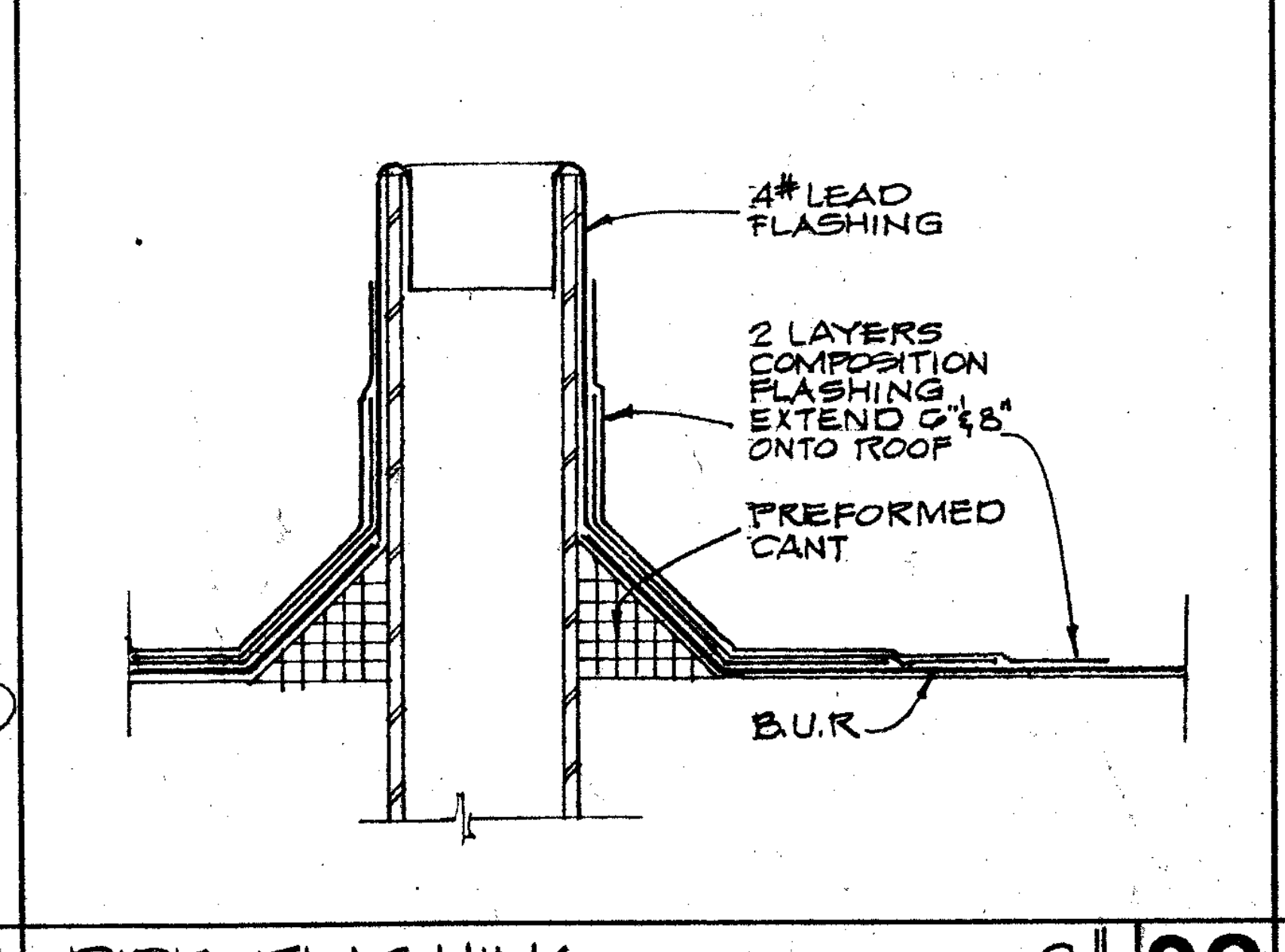
CRICKET @ BLOCK WALL 3" **26**


PORTLAND CEMENT PLASTER
24 GA. GALV. SHT. MTL. REGLET AND SNAP-LOCK COUNTER FLASHING
2 LAYERS COMPOSITION FLASHING EXTENDING 4" & 6" ONTO ROOF
ROOFING PLIES, EXTEND UP WALL 2" TO 4" DRY
4" SOLID CANT
CRICKET WHERE OCCURS. 1/2" PLYWOOD OVER 2x FRAMING @ 16" O.C. PERPENDICULAR TO ROOF FRAMING - ATTACH W/ 10d @ 6" OC INTO SHEATHING
TAPERED EDGE STRIP
1/8"/FOOT MIN. SLOPE
1/8"/FOOT MIN. SLOPE ALONG FLOW LINE
5"
2" TO 4" DRY
2" MIN.

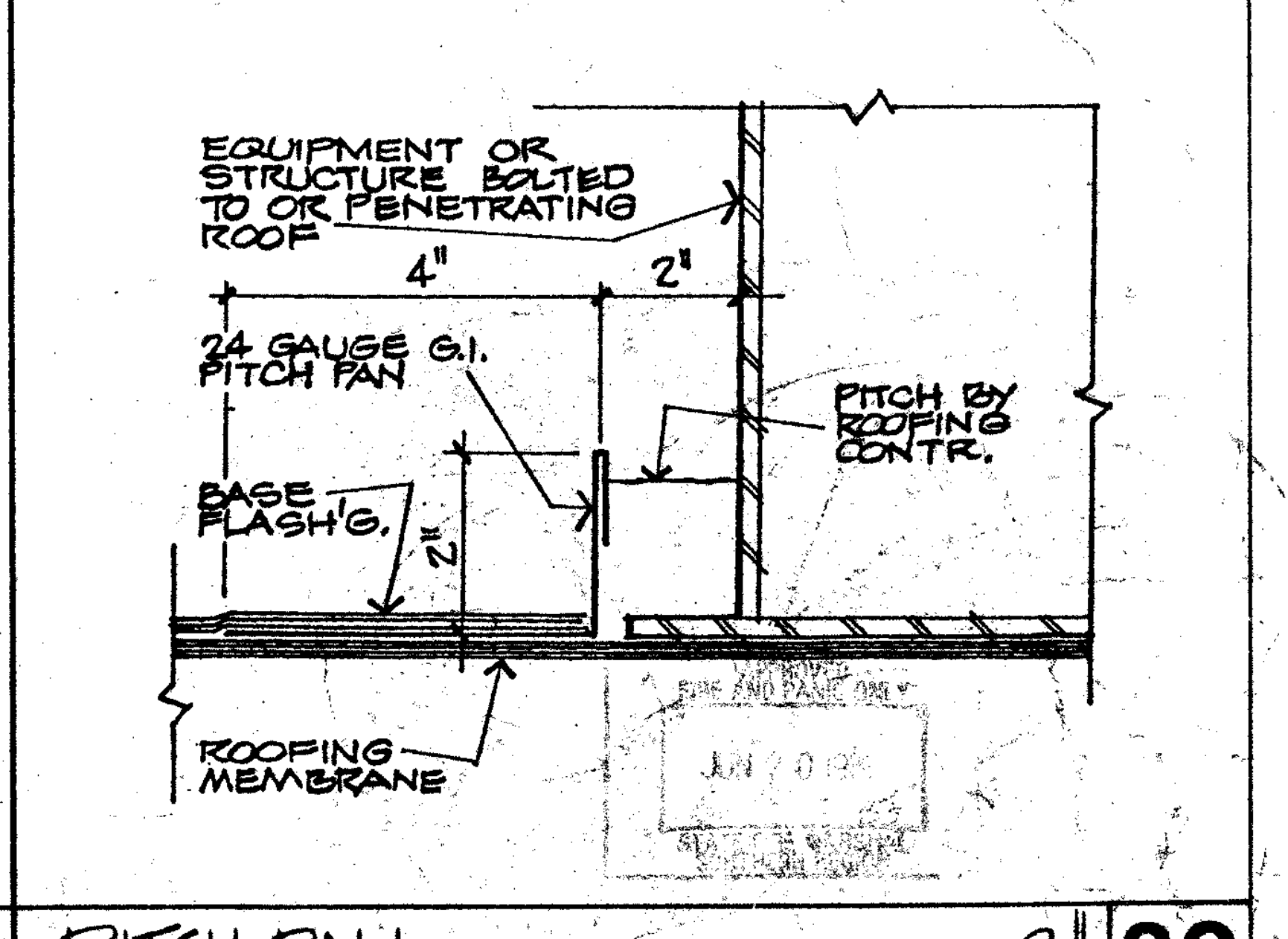
CRICKET @ STUD WALL 3" **27**


RIGID INSUL. TO BE PROVIDED BY ROOFING CONTRACTOR
MECH. UNIT AS OCCURS 9 M25
24 GAUGE GALV. SHT. MTL COUNTERFLASHING
MTL. EQUIPMENT CURB SET IN CONT. 1/8" THICK SEALANT BED SEE 9 M25
2 LAYERS COMPOSITION FLASHING EXTENDING 4" & 6" ONTO ROOF
6x CURB W/ LEVEL TOP, 7 1/2" HIGH MIN. FOR ATTACHMENT SEE 1 TS5
2" TO 4" DRY
4"
4" SOLID CANT STRIP
ROOFING PLIES, EXTEND UP CURB 2" TO 4" DRY
PLYWOOD ROOF SHEATHING

MECHANICAL UNIT CURB 3" **28**


4# LEAD FLASHING
2 LAYERS COMPOSITION FLASHING EXTEND 6" & 8" ONTO ROOF
PREFORMED CANT
B.U.R.

PIPE FLASHING 3" **29**


EQUIPMENT OR STRUCTURE BOLTED TO OR PENETRATING ROOF
4"
2"
24 GAUGE G.I. PITCH PAN
PITCH BY ROOFING CONTR.
BASE FLASH'G.
2"
ROOFING MEMBRANE

PITCH PAN 3" **30**

Drawn By	Revisions
Checked By	
Date	
Commission No. 1-30-05	BID JANUARY 1991

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ARCHITECT
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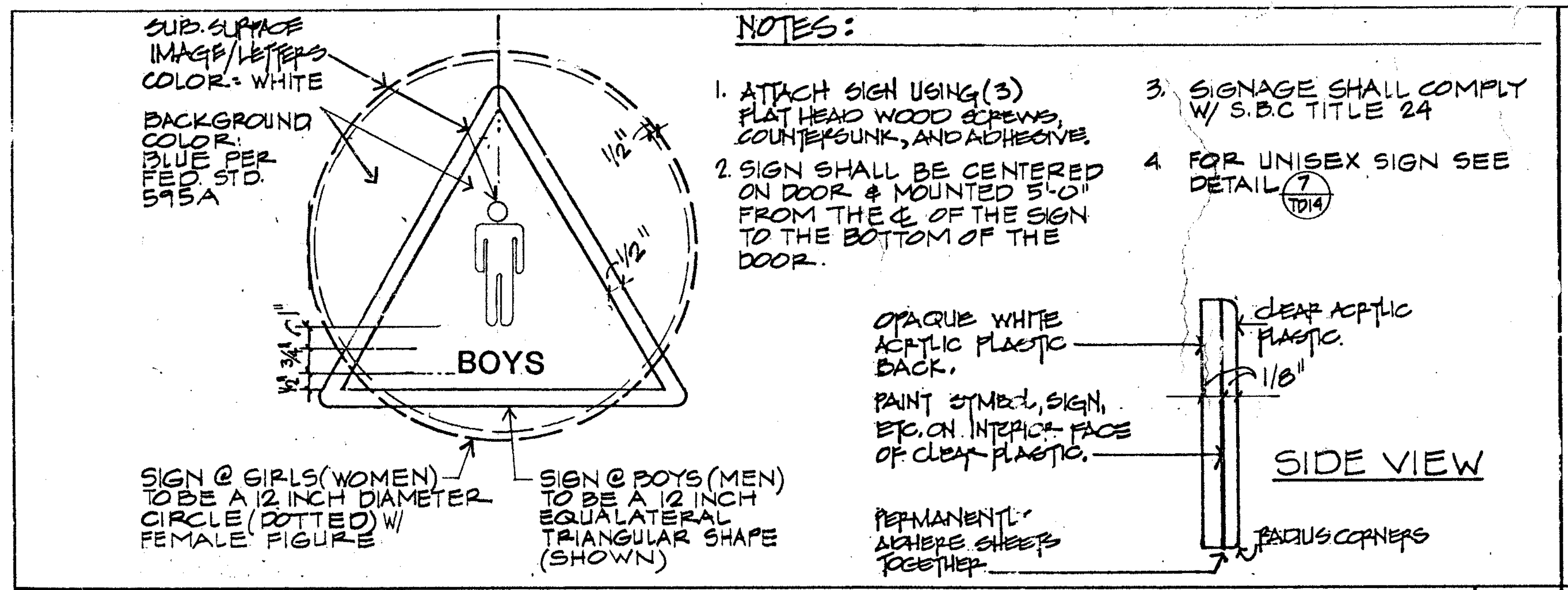
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

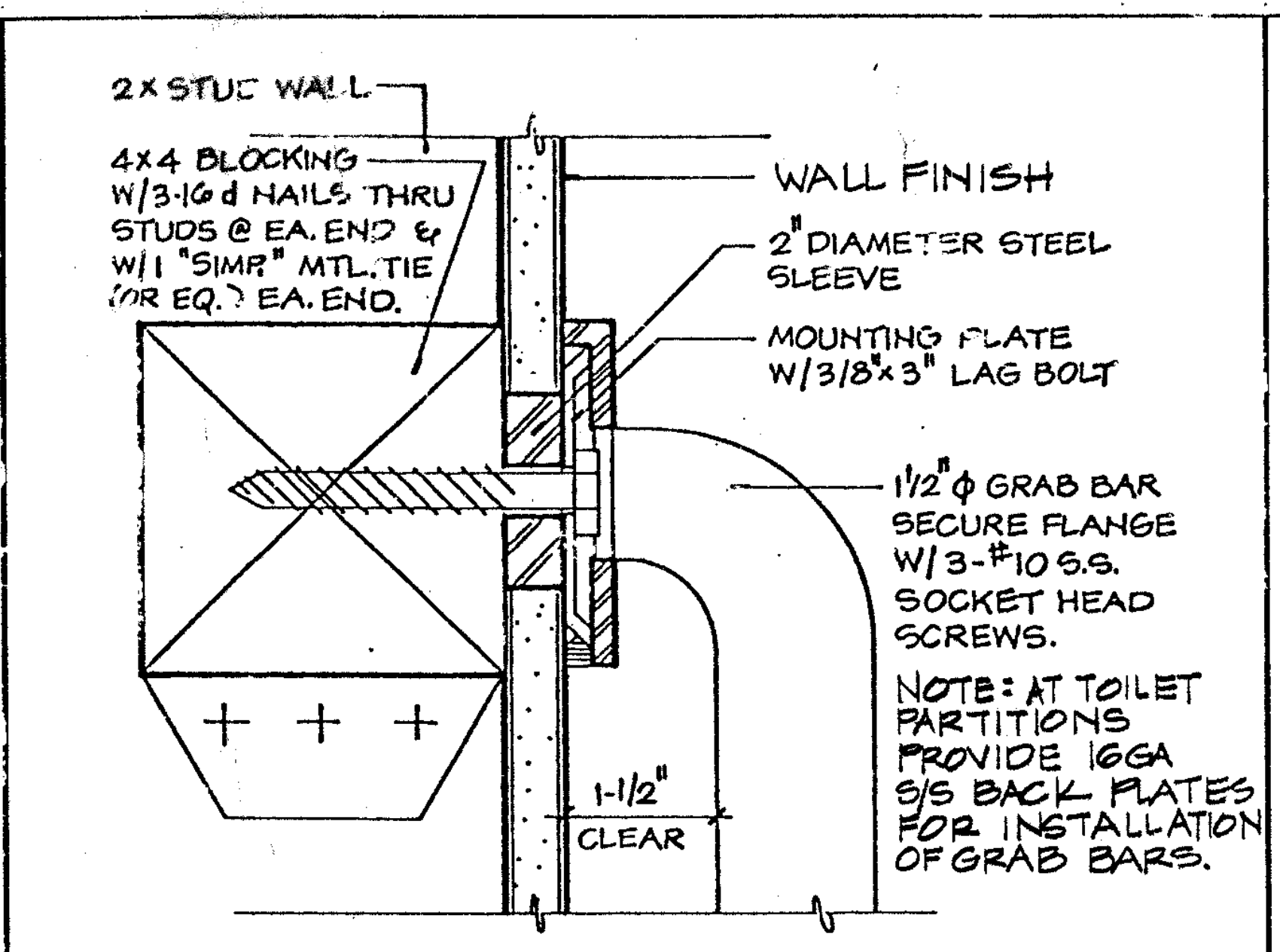
Roof
TYPICAL DETAILS

Sheet Number
TD-11
88 Of Sheets

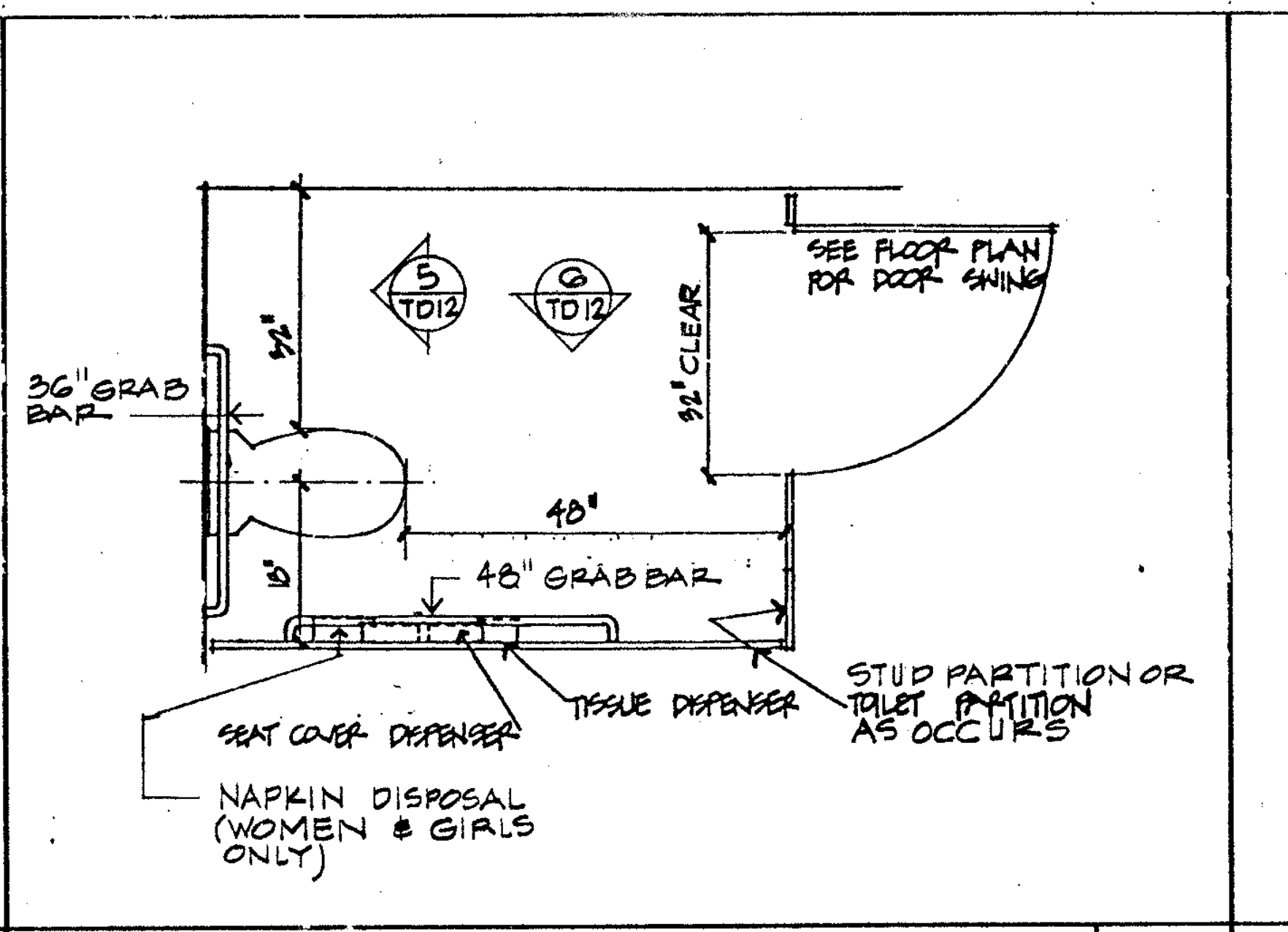
INCREMENT 2


SUB-SURFACE IMAGE/LETTERS COLOR: WHITE
BACKGROUND COLOR: BLUE PER FED STD. 595A
BOYS
1/2"
SIGN @ GIRLS (WOMEN) TO BE A 12 INCH DIAMETER CIRCLE (DOTTED) W/ FEMALE FIGURE
SIGN @ BOYS (MEN) TO BE A 12 INCH EQUALATERAL TRIANGULAR SHAPE (SHOWN)
NOTES:
1. ATTACH SIGN USING (3) FLAT HEAD WOOD SCREWS, COUNTERSUNK, AND ADHESIVE.
2. SIGN SHALL BE CENTERED ON DOOR & MOUNTED 5'-0" FROM THE ℄ OF THE SIGN TO THE BOTTOM OF THE DOOR.
3. SIGNAGE SHALL COMPLY W/ S.B.C TITLE 24
4. FOR UNISEX SIGN SEE DETAIL 7/TD14
OPAQUE WHITE ACRYLIC PLASTIC BACK.
PAINT SYMBOL, SIGN, ETC. ON INTERIOR FACE OF CLEAR PLASTIC.
CLEAR ACRYLIC PLASTIC.
1/8"
SIDE VIEW
PERMANENTLY ADHERE SHEETS TOGETHER
RADIUS CORNERS

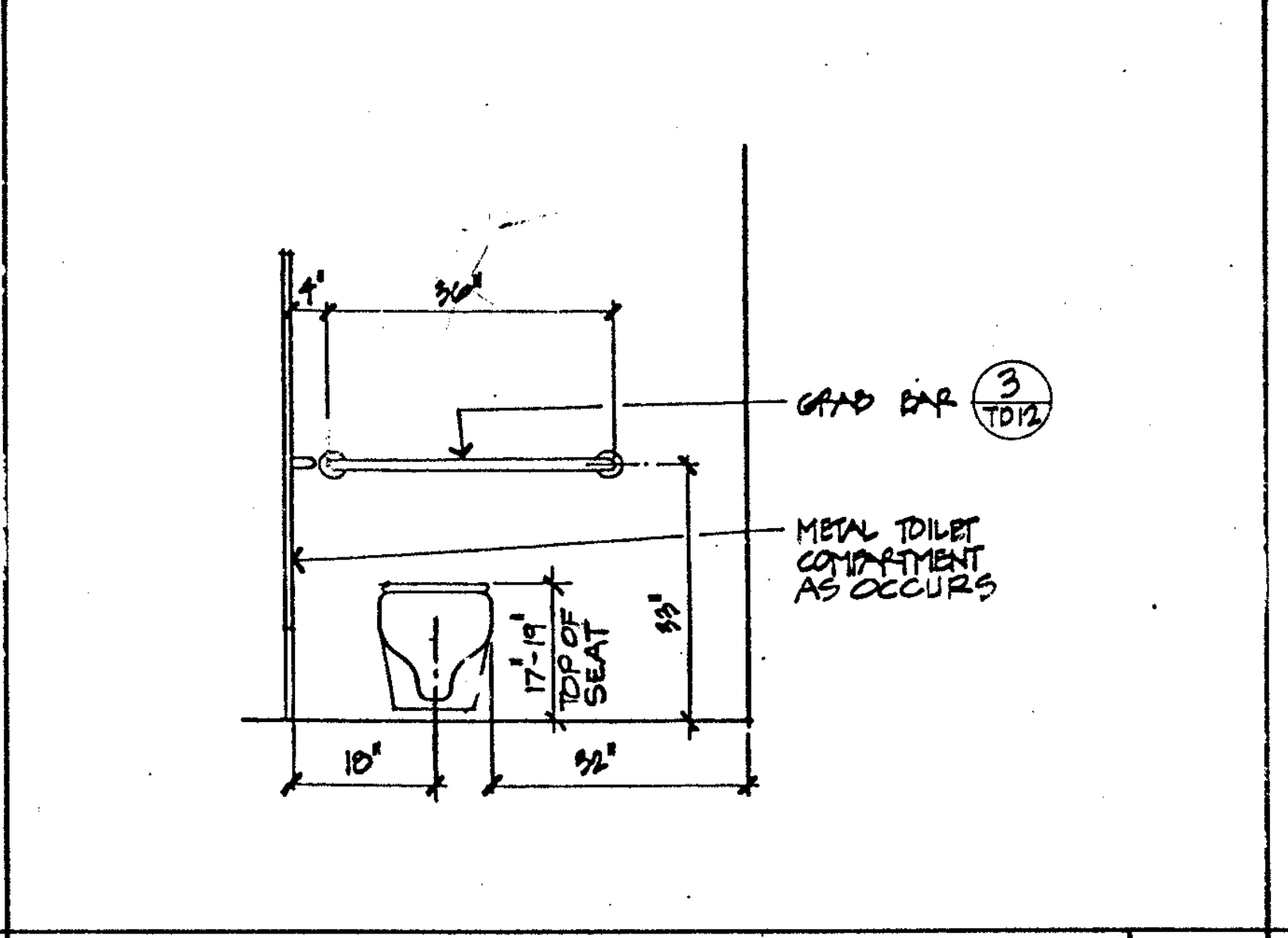
HANDICAP TOILET ROOM DOOR SIGN NTS 2


2x STUD WALL
4x4 BLOCKING W/3-16d NAILS THRU STUDS @ EA. END & W/1 "SIMP" MTL. TIE (OR EQ.) EA. END.
WALL FINISH
2" DIAMETER STEEL SLEEVE
MOUNTING PLATE W/3/8"x3" LAG BOLT
1 1/2" ⌀ GRAB BAR SECURE FLANGE W/3-#10 S.S. SOCKET HEAD SCREWS.
NOTE: AT TOILET PARTITIONS PROVIDE 16GA S/S BACK PLATES FOR INSTALLATION OF GRAB BARS.
1-1/2" CLEAR

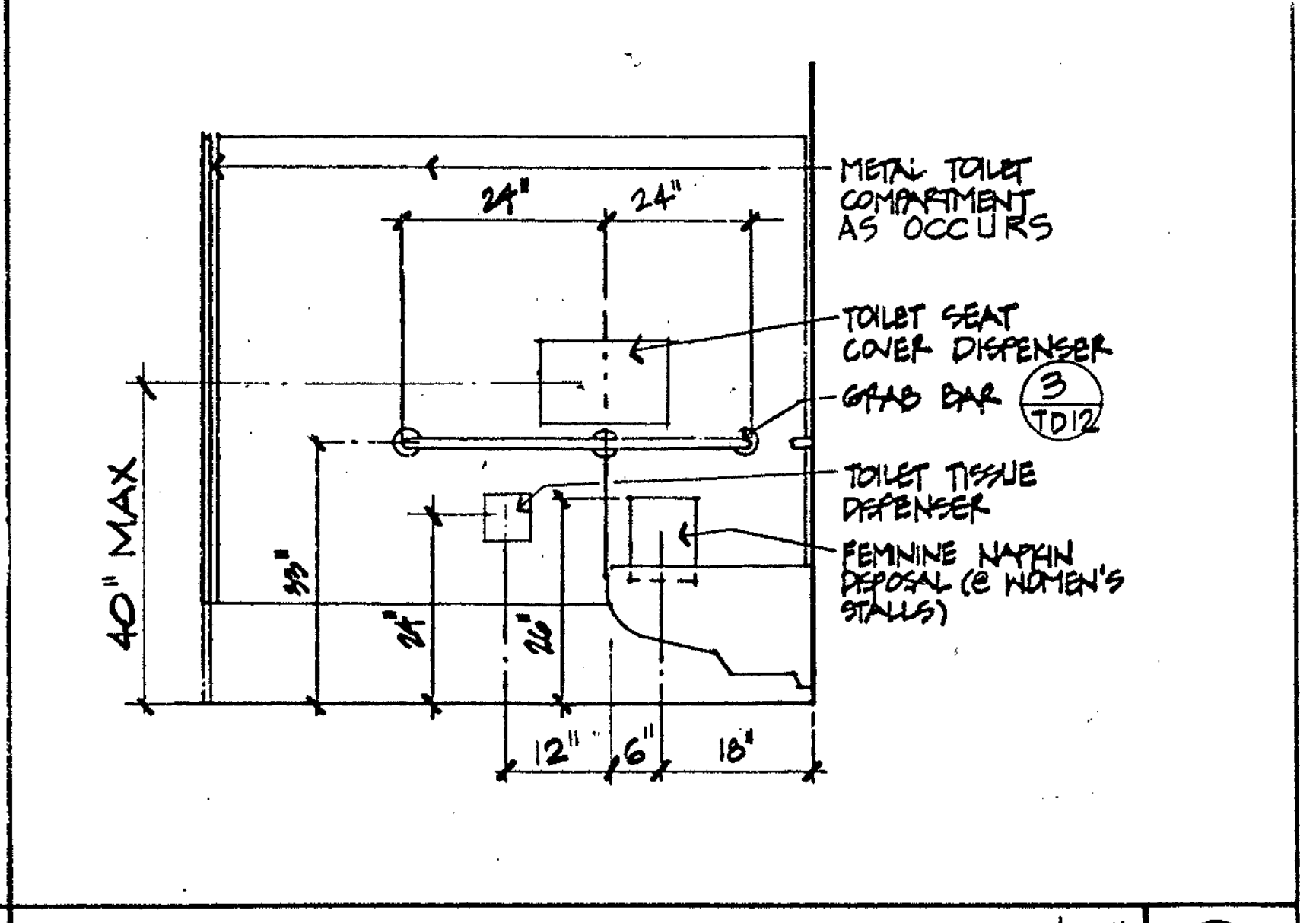
GRAB BAR ATTACHMENT 1/2 FULL 3


5/TD12
6/TD12
SEE FLOOR PLAN FOR DOOR SWING
32" CLEAR
36" GRAB BAR
48"
48" GRAB BAR
SEAT COVER DISPENSER
TISSUE DISPENSER
STUD PARTITION OR TOILET PARTITION AS OCCURS
NAPKIN DISPOSAL (WOMEN & GIRLS ONLY)

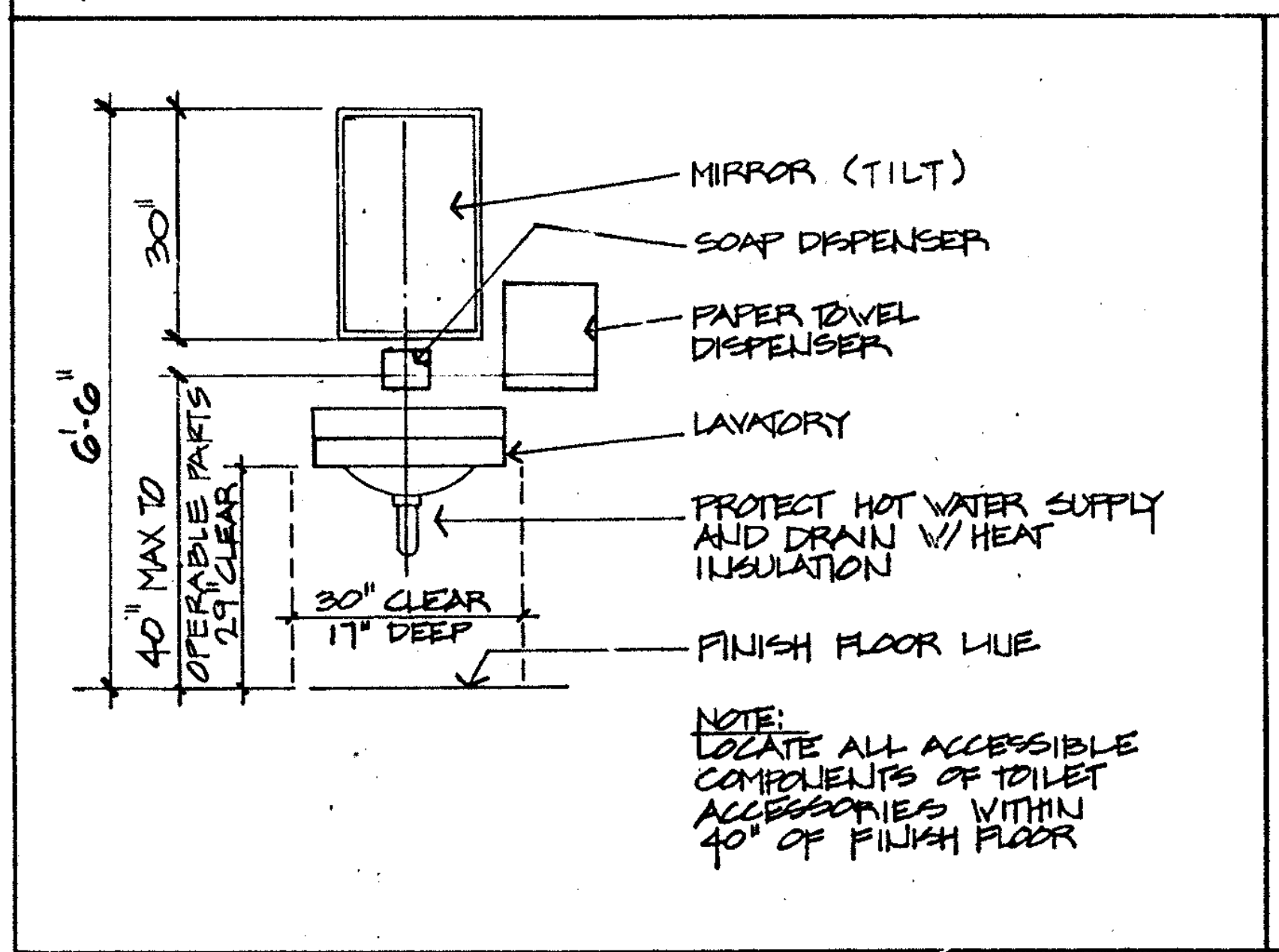
HANDICAP STALL NTS 4


GRAB BAR 3/TD12
METAL TOILET COMPARTMENT AS OCCURS
17"-19" TOP OF SEAT
33"
18"
32"

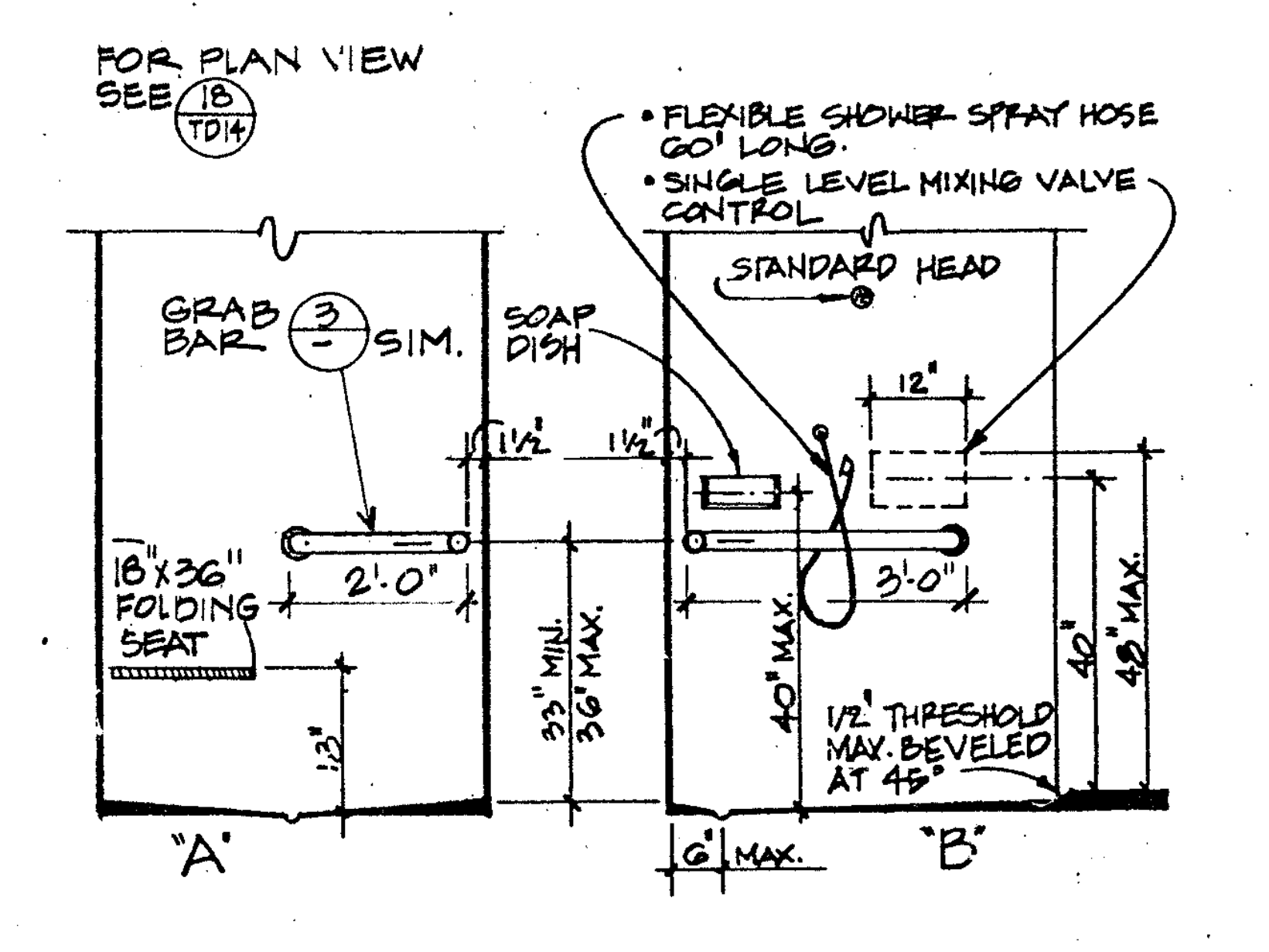
HANDICAP STALL 1/2" 5


METAL TOILET COMPARTMENT AS OCCURS
TOILET SEAT COVER DISPENSER
GRAB BAR 3/TD12
TOILET TISSUE DISPENSER
FEMININE NAPKIN DISPOSAL (@ WOMEN'S STALLS)
40" MAX
24"
12"
6"
18"

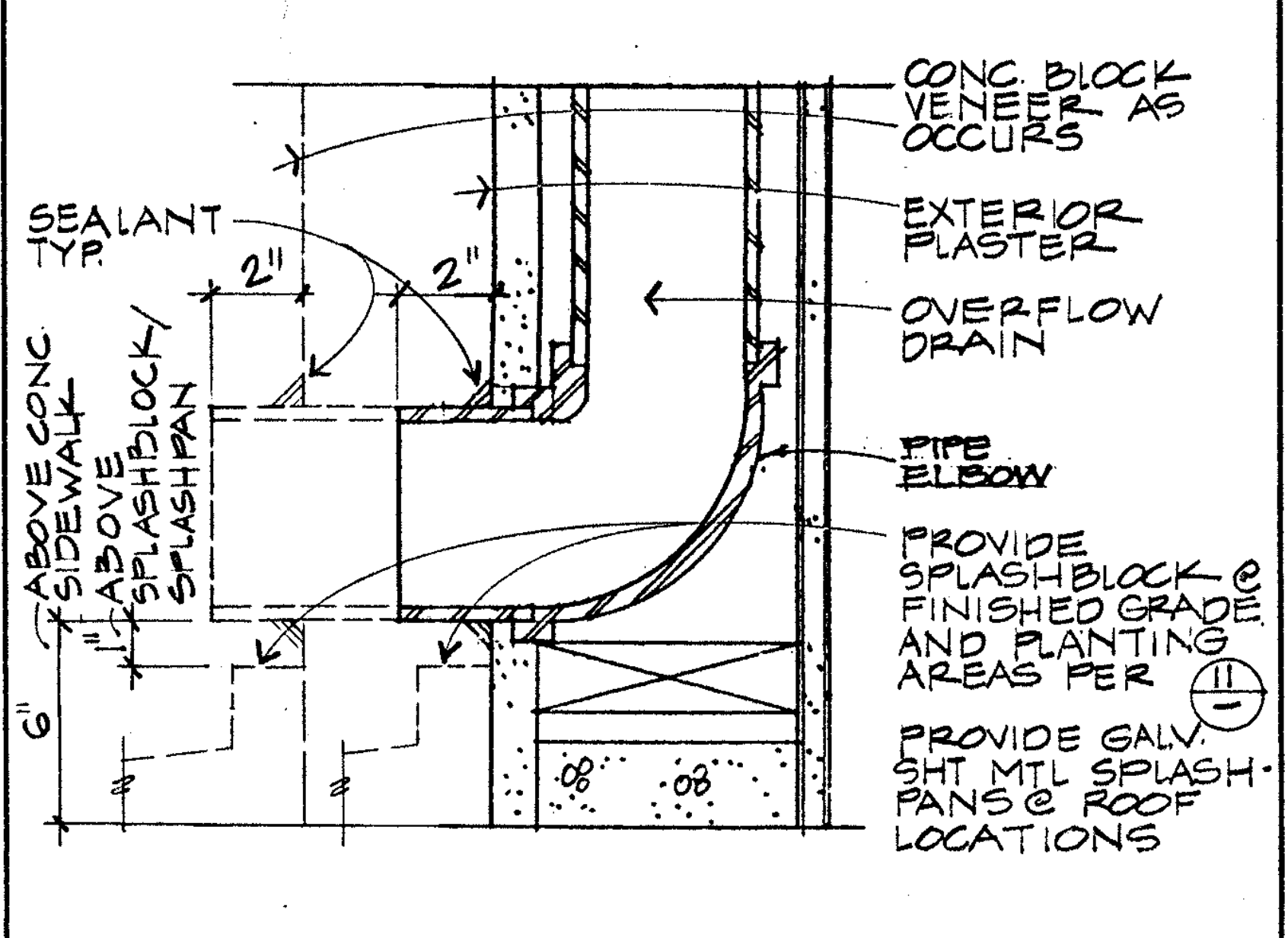
HANDICAP STALL 1/2" 6


MIRROR (TILT)
SOAP DISPENSER
PAPER TOWEL DISPENSER
LAVATORY
PROTECT HOT WATER SUPPLY AND DRAIN W/ HEAT INSULATION
FINISH FLOOR LINE
6'-6"
40" MAX TO OPERABLE PARTS
29" CLEAR
30" CLEAR
17" DEEP
NOTE: LOCATE ALL ACCESSIBLE COMPONENTS OF TOILET ACCESSORIES WITHIN 40" OF FINISH FLOOR

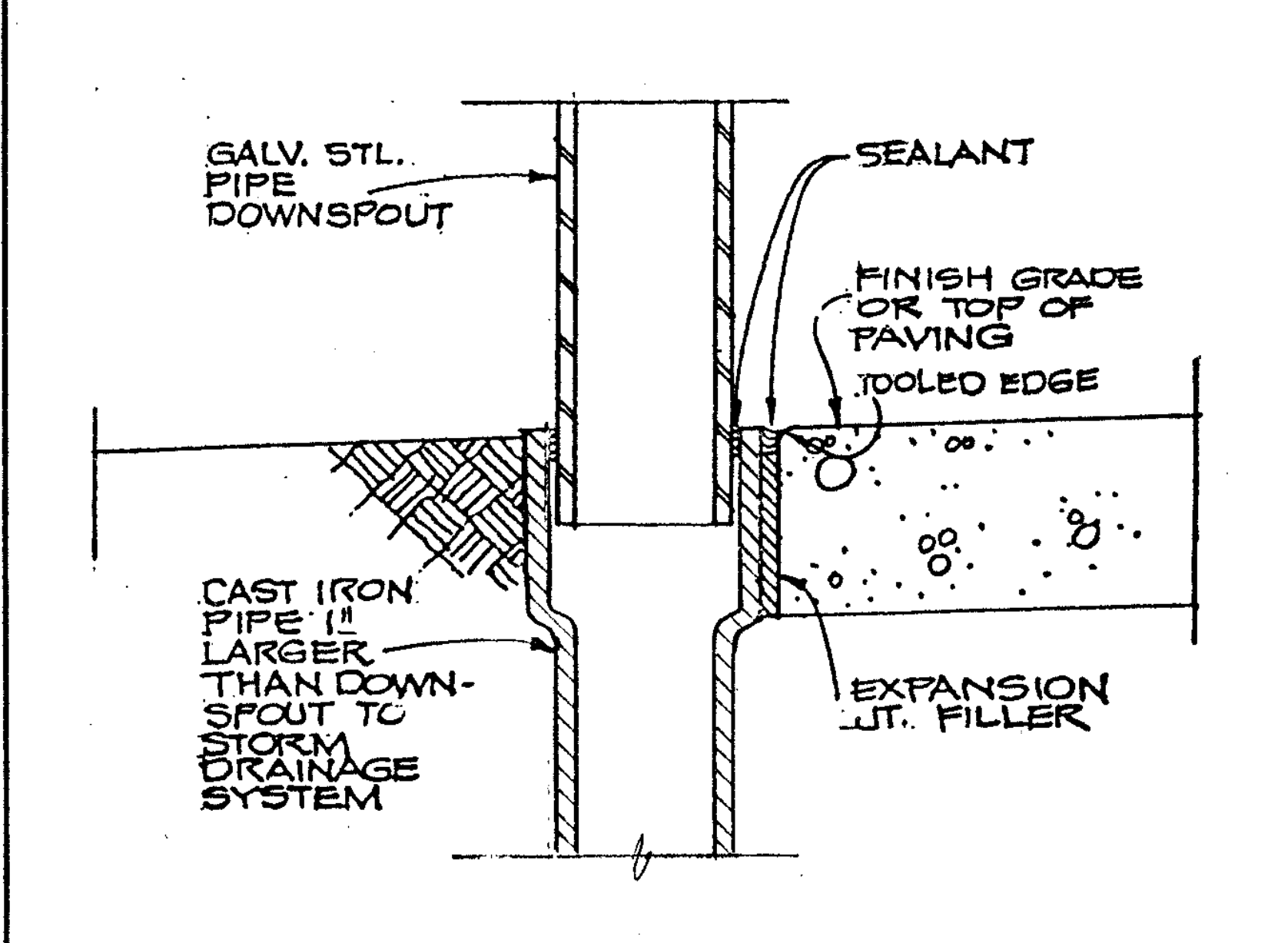
HANDICAP LAVATORY 1/2" 7


FOR PLAN VIEW SEE 15/TD14
• FLEXIBLE SHOWER SPRAY HOSE 60" LONG.
• SINGLE LEVEL MIXING VALVE CONTROL
STANDARD HEAD
GRAB BAR 3/TD12 SIM.
SOAP DISH
2'-0"
3'-0"
18"x36" FOLDING SEAT
33" MIN.
36" MAX.
40" MAX.
48" MAX.
1/2" THRESHOLD MAX. BEVELED AT 45°
6" MAX.
"A"
"B"

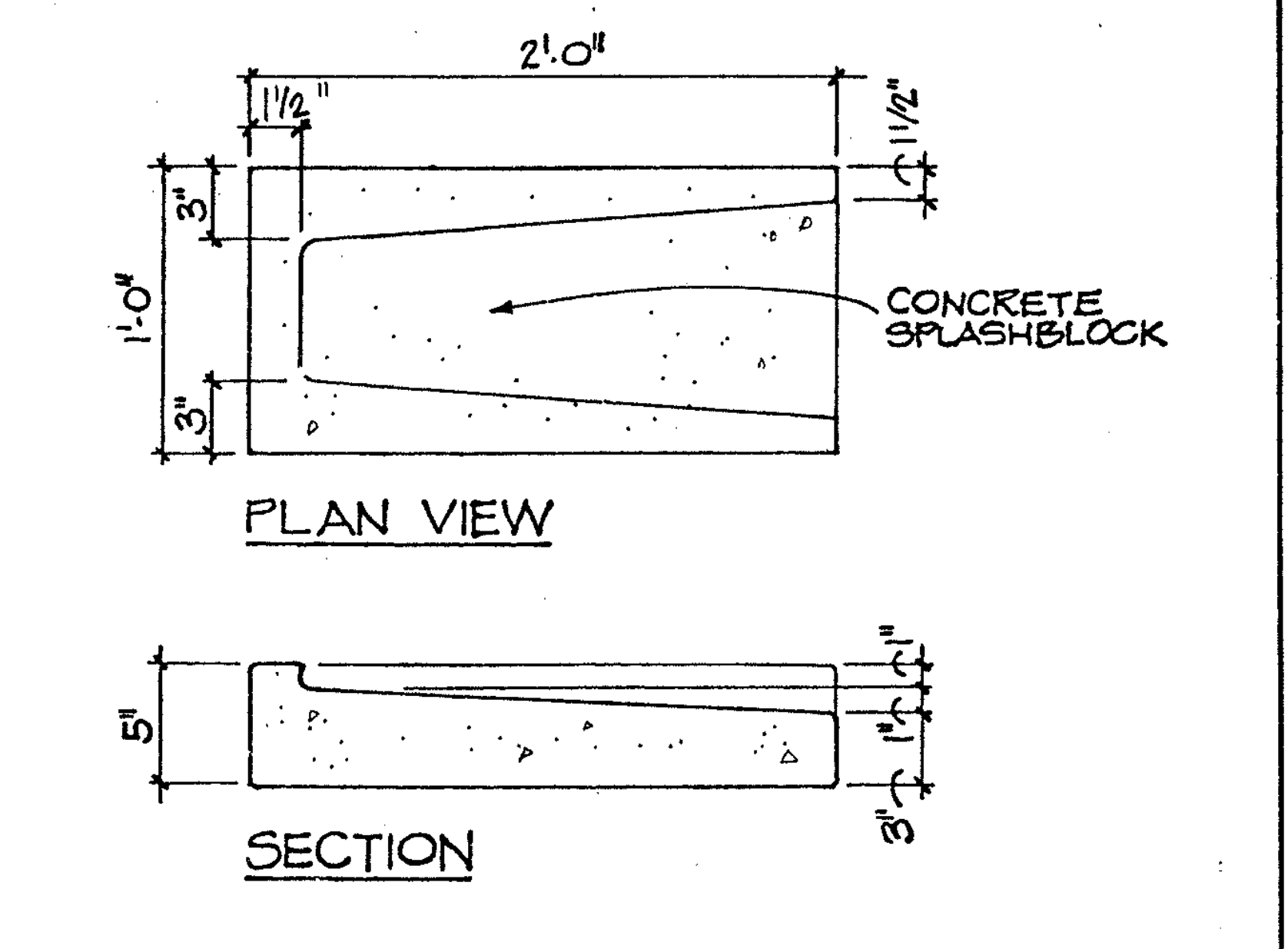
SHOWER ELEVATIONS NTS 8


CONC. BLOCK VENEER AS OCCURS
EXTERIOR PLASTER
OVERFLOW DRAIN
SEALANT TYP.
2"
PIPE ELBOW
PROVIDE SPLASHBLOCK @ FINISHED GRADE AND PLANTING AREAS PER 11
PROVIDE GALV. SHT. MTL. SPLASH PANS @ ROOF LOCATIONS
ABOVE CONC SIDEWALK / SPLASHBLOCK / SPLASH PAN

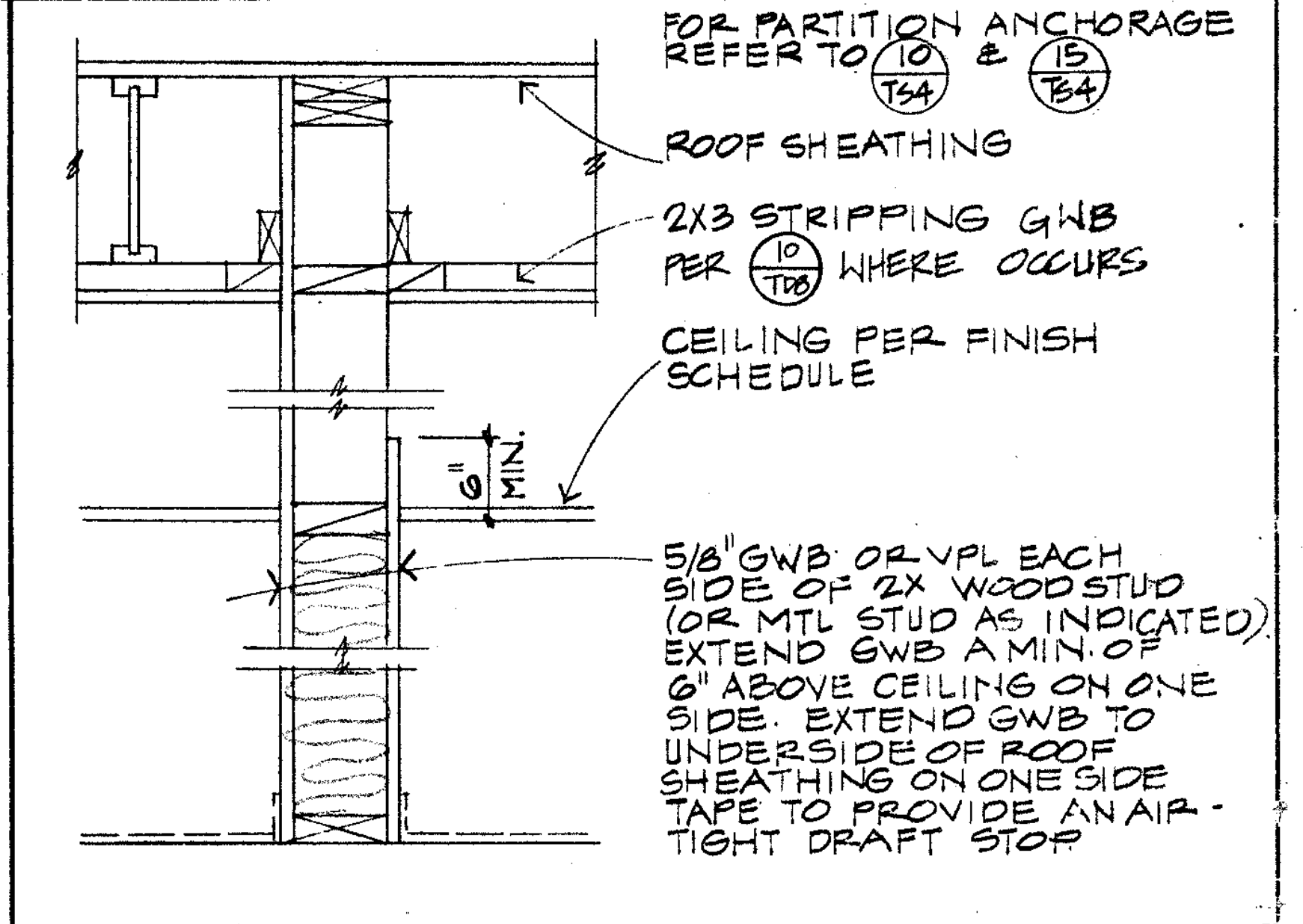
OVERFLOW DRAIN 3" 9


GALV. STL. PIPE DOWNSPOUT
SEALANT
FINISH GRADE OR TOP OF PAVING
TOOLED EDGE
CAST IRON PIPE 1" LARGER THAN DOWNSPOUT TO STORM DRAINAGE SYSTEM
EXPANSION JT. FILLER

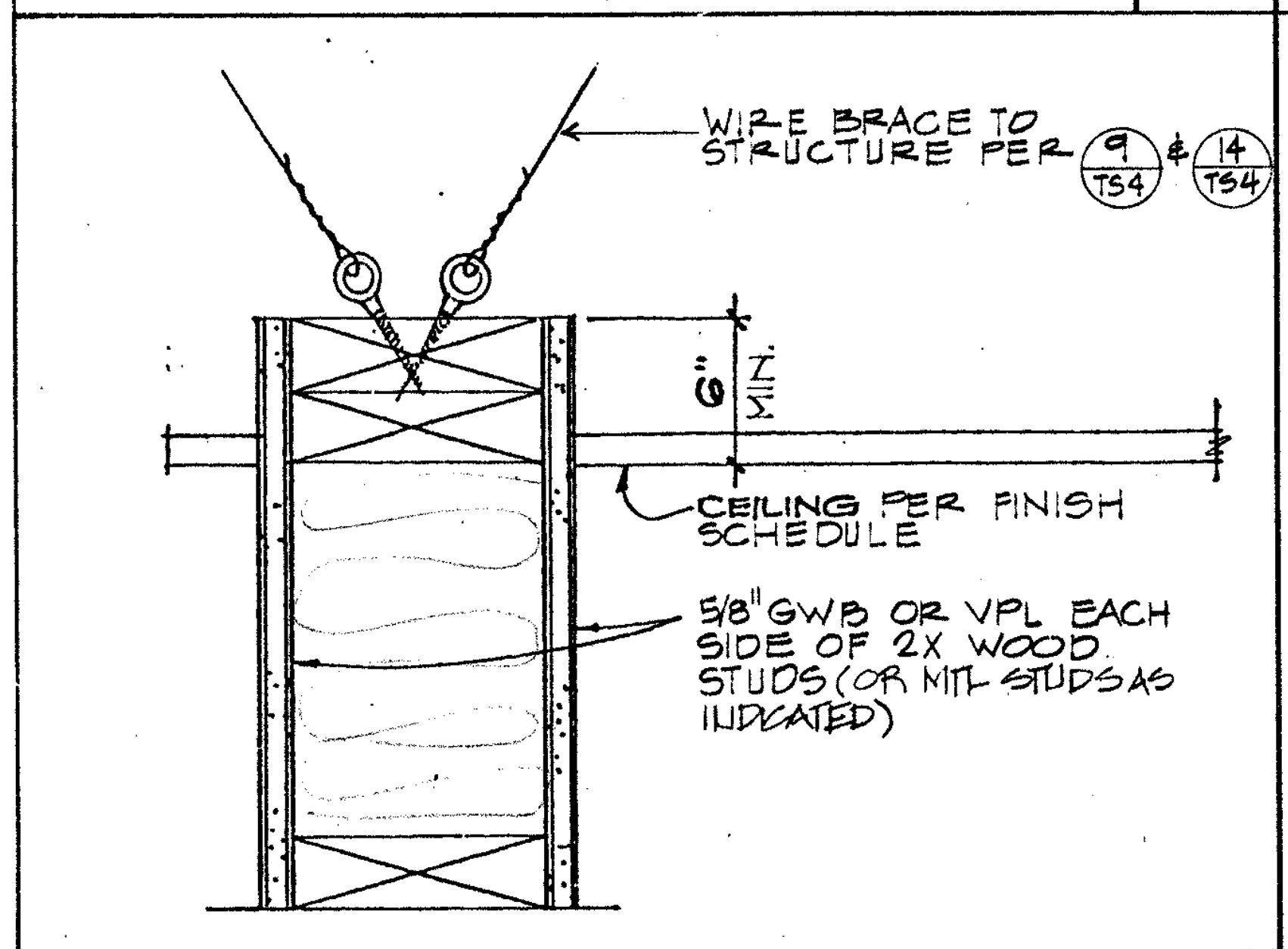
DOWNSPOUT @ GRADE 3" 10


2'-0"
1 1/2"
1'-0"
CONCRETE SPLASHBLOCK
PLAN VIEW
SECTION
5"

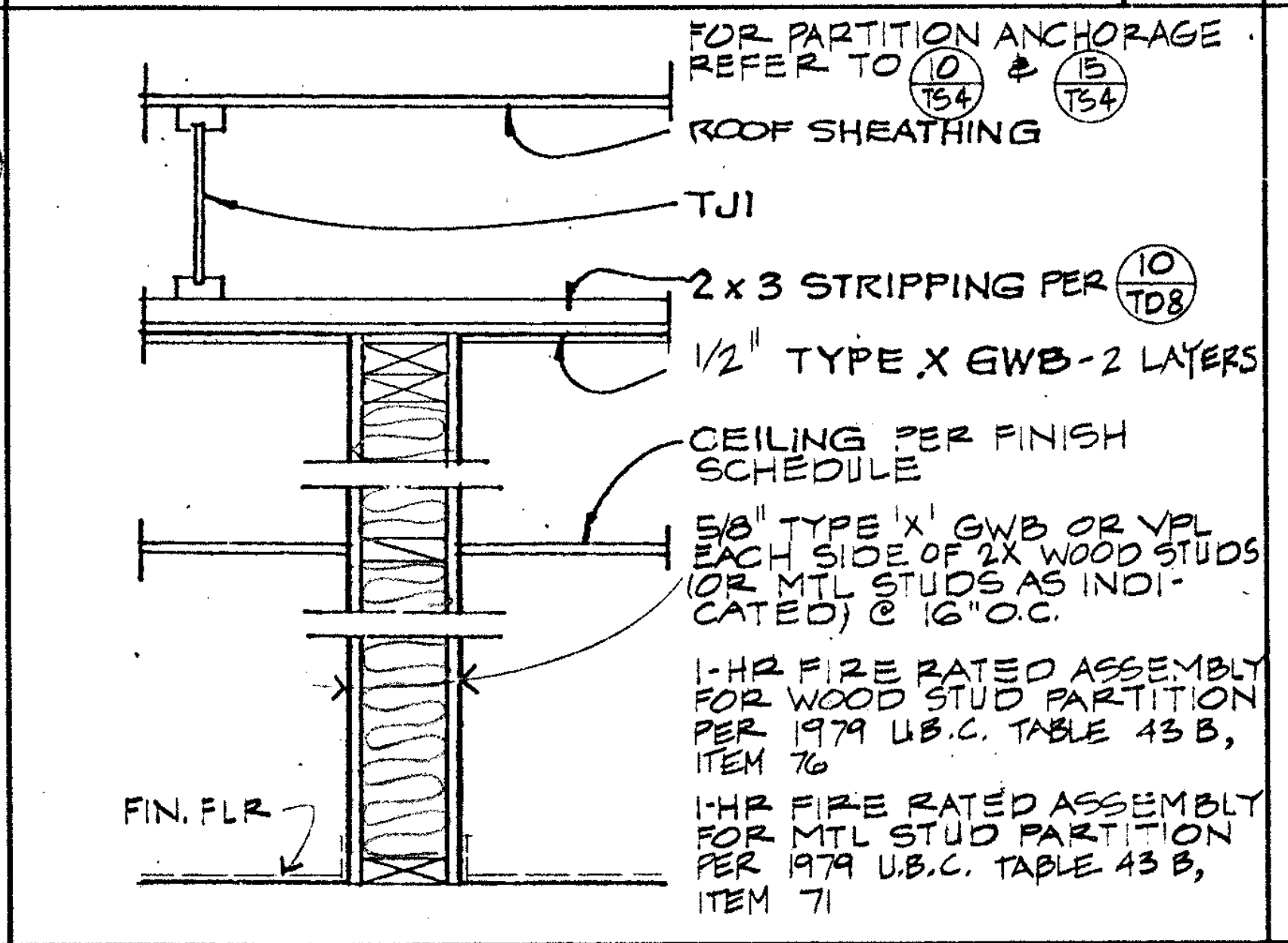
SPLASHBLOCK 1 1/2" 11


FOR PARTITION ANCHORAGE REFER TO 10/TS4 & 15/TS4
ROOF SHEATHING
2x3 STRIPPING GWB PER 10/TD8 WHERE OCCURS
CEILING PER FINISH SCHEDULE
6" MIN.
5/8" GWB OR VPL EACH SIDE OF 2X WOOD STUD (OR MTL STUD AS INDICATED) EXTEND GWB A MIN. OF 6" ABOVE CEILING ON ONE SIDE. EXTEND GWB TO UNDERSIDE OF ROOF SHEATHING ON ONE SIDE TAPE TO PROVIDE AN AIR-TIGHT DRAFT STOP

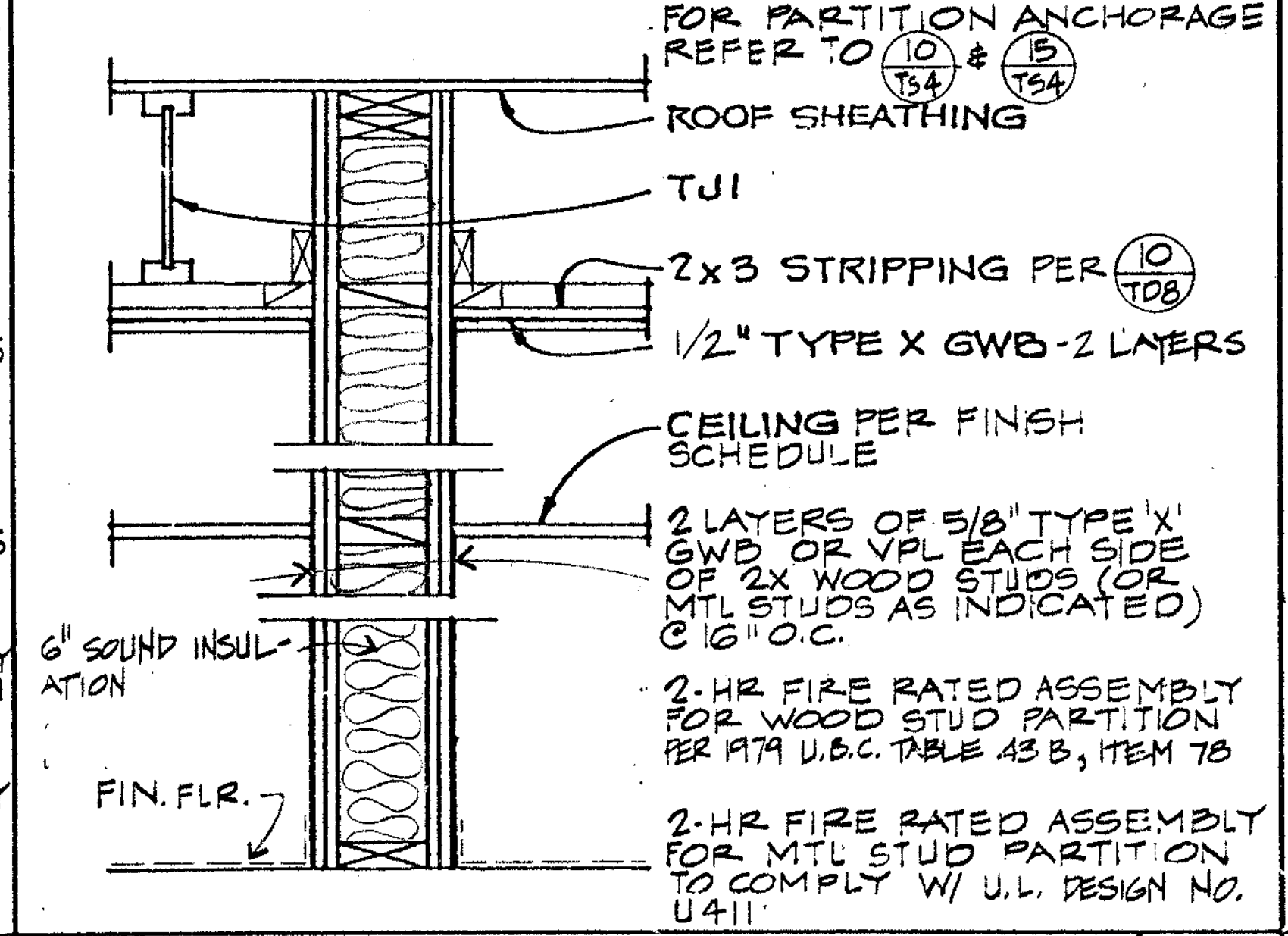
FULL HT./NON-RATED PARTITION NTS 12


WIRE BRACE TO STRUCTURE PER 9/TS4 & 14/TS4
6" MIN.
CEILING PER FINISH SCHEDULE
5/8" GWB OR VPL EACH SIDE OF 2X WOOD STUDS (OR MTL STUDS AS INDICATED)

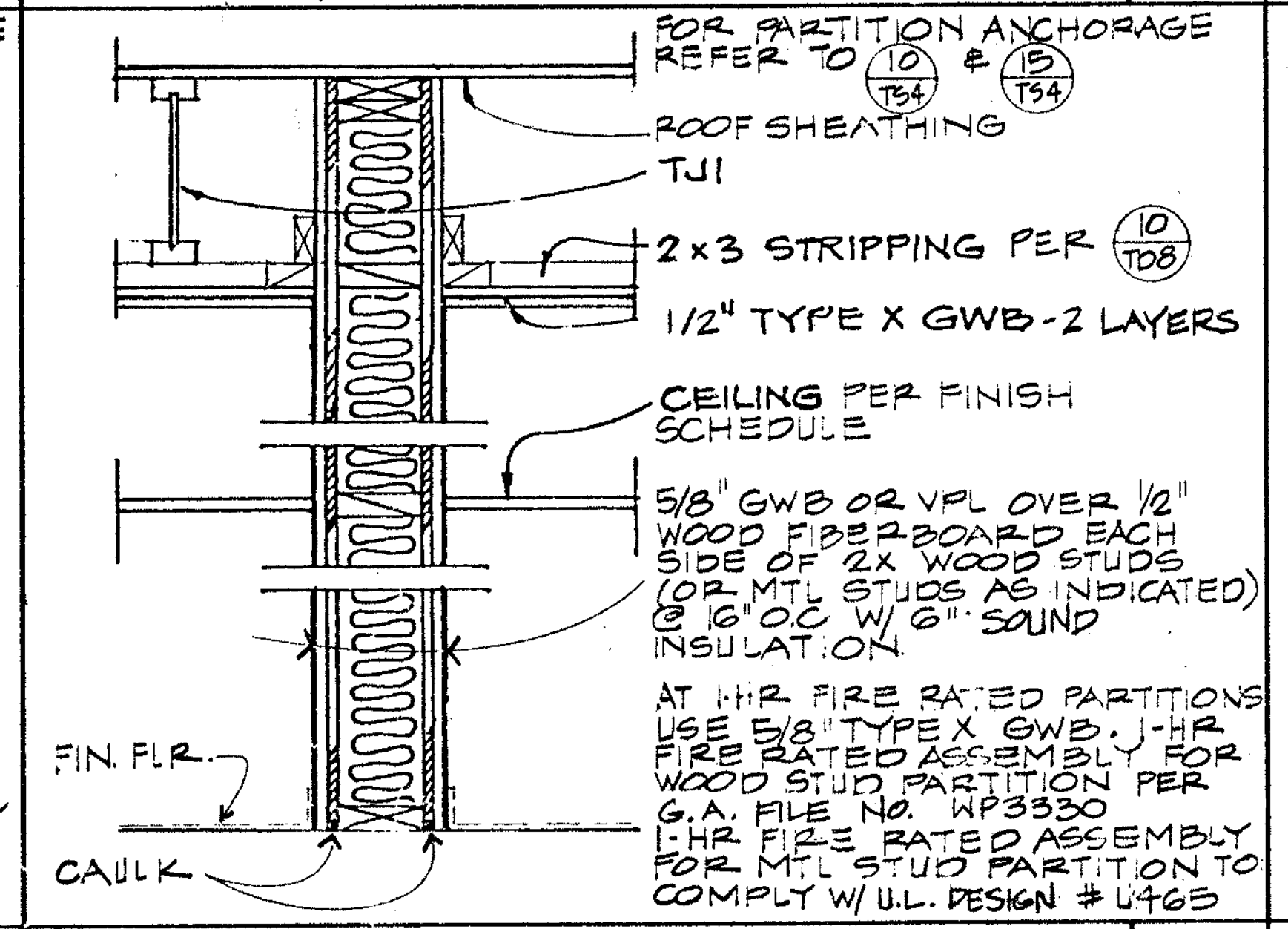
CEILING HEIGHT PARTITION NTS 13


FOR PARTITION ANCHORAGE REFER TO 10/TS4 & 15/TS4
ROOF SHEATHING
TJI
2x3 STRIPPING PER 10/TD8
1/2" TYPE X GWB-2 LAYERS
CEILING PER FINISH SCHEDULE
5/8" TYPE 'X' GWB OR VPL EACH SIDE OF 2X WOOD STUDS (OR MTL STUDS AS INDICATED) @ 16" O.C.
1-HR FIRE RATED ASSEMBLY FOR WOOD STUD PARTITION PER 1979 U.B.C. TABLE 43 B, ITEM 76
1-HR FIRE RATED ASSEMBLY FOR MTL STUD PARTITION PER 1979 U.B.C. TABLE 43 B, ITEM 71
FIN. FLR.

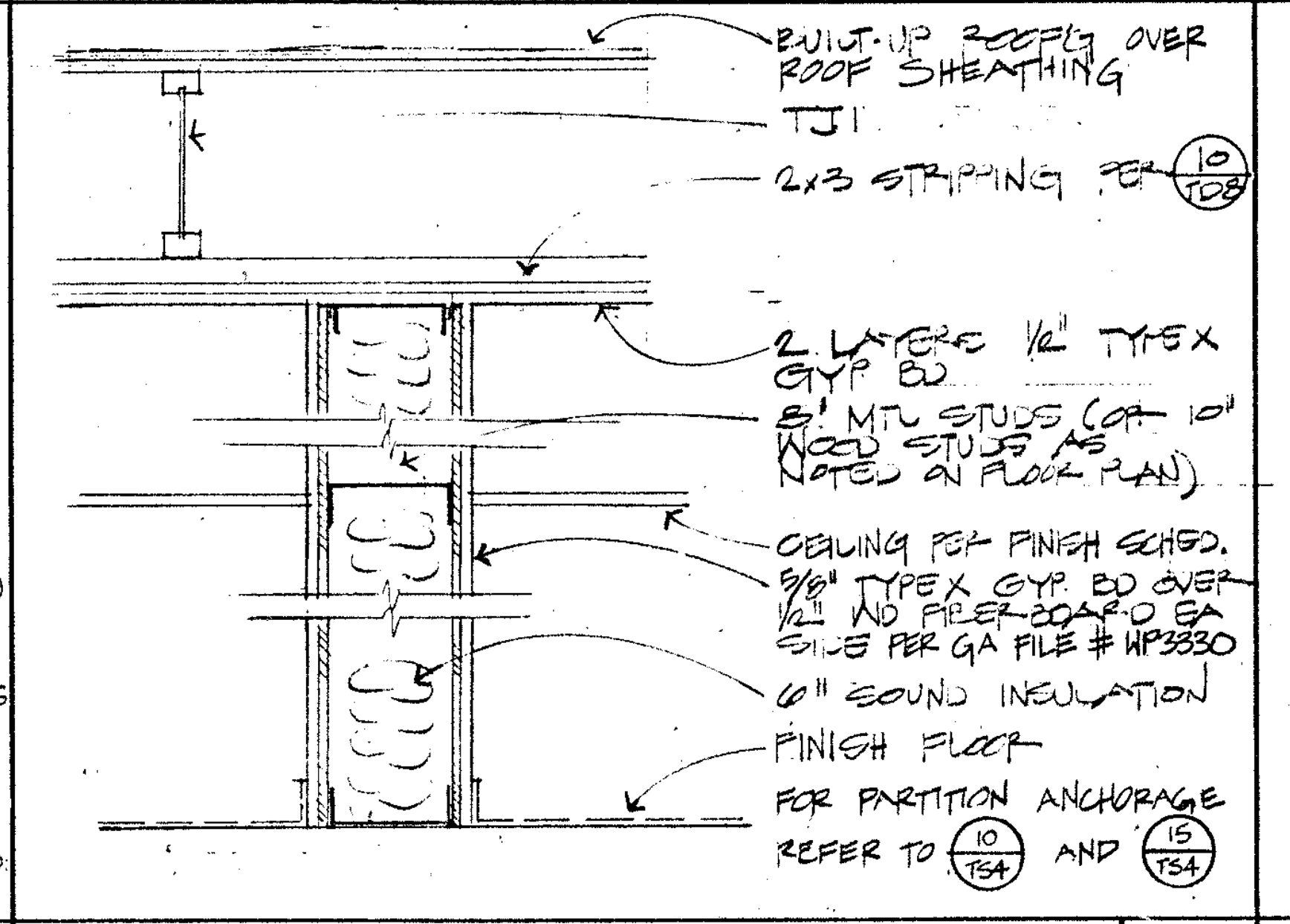
1-HR PARTITION NTS 14


FOR PARTITION ANCHORAGE REFER TO 10/TS4 & 15/TS4
ROOF SHEATHING
TJI
2x3 STRIPPING PER 10/TD8
1/2" TYPE X GWB-2 LAYERS
CEILING PER FINISH SCHEDULE
2 LAYERS OF 5/8" TYPE 'X' GWB OR VPL EACH SIDE OF 2X WOOD STUDS (OR MTL STUDS AS INDICATED) @ 16" O.C.
6" SOUND INSULATION
2-HR FIRE RATED ASSEMBLY FOR WOOD STUD PARTITION PER 1979 U.B.C. TABLE 43 B, ITEM 78
2-HR FIRE RATED ASSEMBLY FOR MTL STUD PARTITION TO COMPLY W/ U.L. DESIGN NO. U411
FIN. FLR.

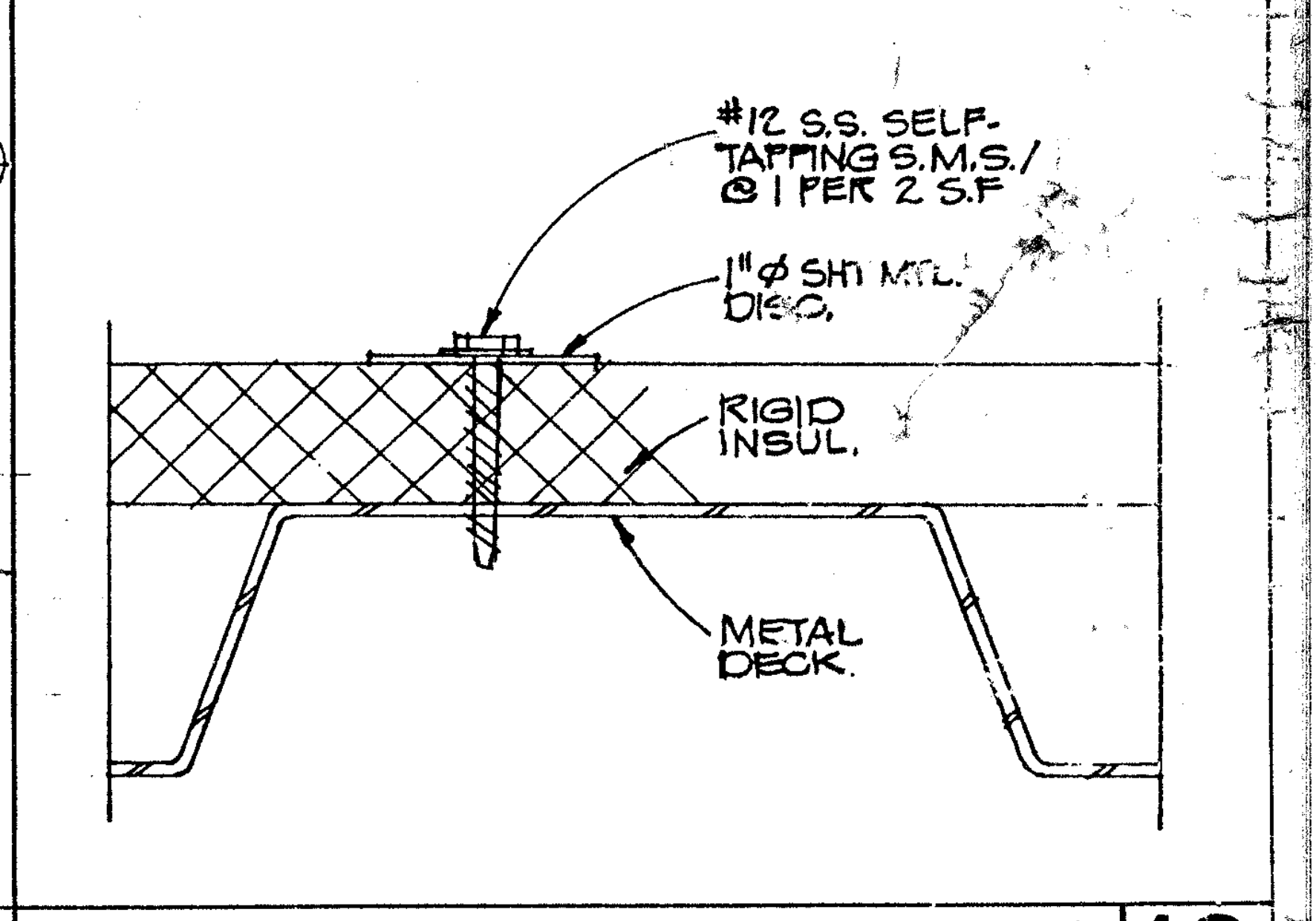
2-HR PARTITION NTS 15


FOR PARTITION ANCHORAGE REFER TO 10/TS4 & 15/TS4
ROOF SHEATHING
TJI
2x3 STRIPPING PER 10/TD8
1/2" TYPE X GWB-2 LAYERS
CEILING PER FINISH SCHEDULE
5/8" GWB OR VPL OVER 1/2" WOOD FIBERBOARD EACH SIDE OF 2X WOOD STUDS (OR MTL STUDS AS INDICATED) @ 16" O.C. W/ 6" SOUND INSULATION
AT 1-HR FIRE RATED PARTITIONS USE 5/8" TYPE X GWB. 1-HR FIRE RATED ASSEMBLY FOR WOOD STUD PARTITION PER G.A. FILE NO. WP3330
1-HR FIRE RATED ASSEMBLY FOR MTL STUD PARTITION TO COMPLY W/ U.L. DESIGN # U465
FIN. FLR.
CAULK

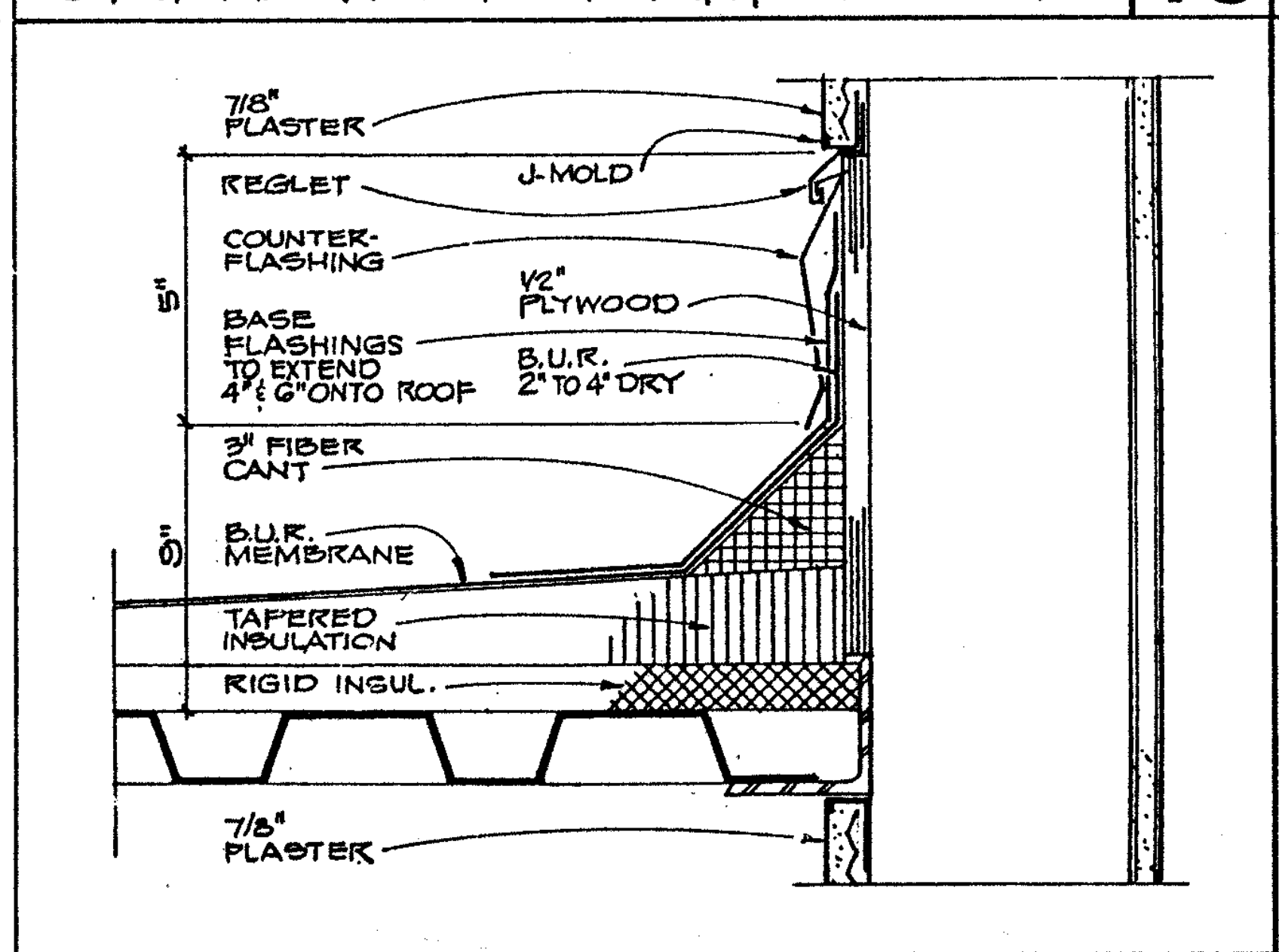
1-HR AND NON-RATED ACOUSTICAL PARTITION NTS 16


BUILT-UP ROOFING OVER ROOF SHEATHING
TJI
2x3 STRIPPING PER 10/TD8
2 LAYERS 1/2" TYPE X GYP BD
6" MTL STUDS (OR 10" WOOD STUDS AS NOTED ON FLOOR PLAN)
CEILING PER FINISH SCHED.
5/8" TYPE X GYP BD OVER 1/2" WD FIBER-BOARD EA SIDE PER GA FILE # WP3330
6" SOUND INSULATION
FINISH FLOOR
FOR PARTITION ANCHORAGE REFER TO 10/TS4 AND 15/TS4

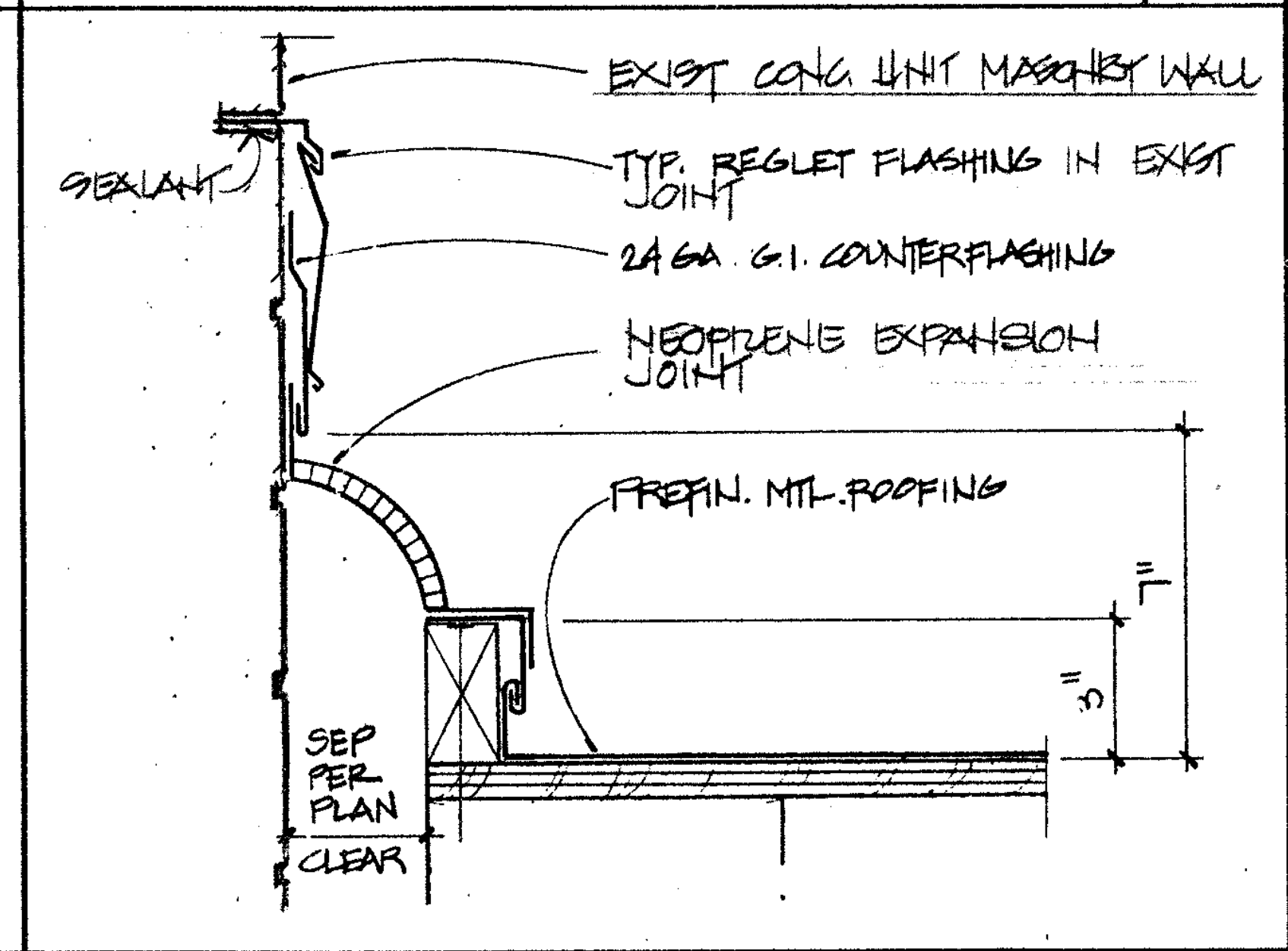
1-HR ACOUSTICAL PARTITION NTS 17


#12 S.S. SELF-TAPPING S.M.S./ @ 1 PER 2 S.F.
1" ⌀ SHT. MTL. DISC.
RIGID INSUL.
METAL DECK.

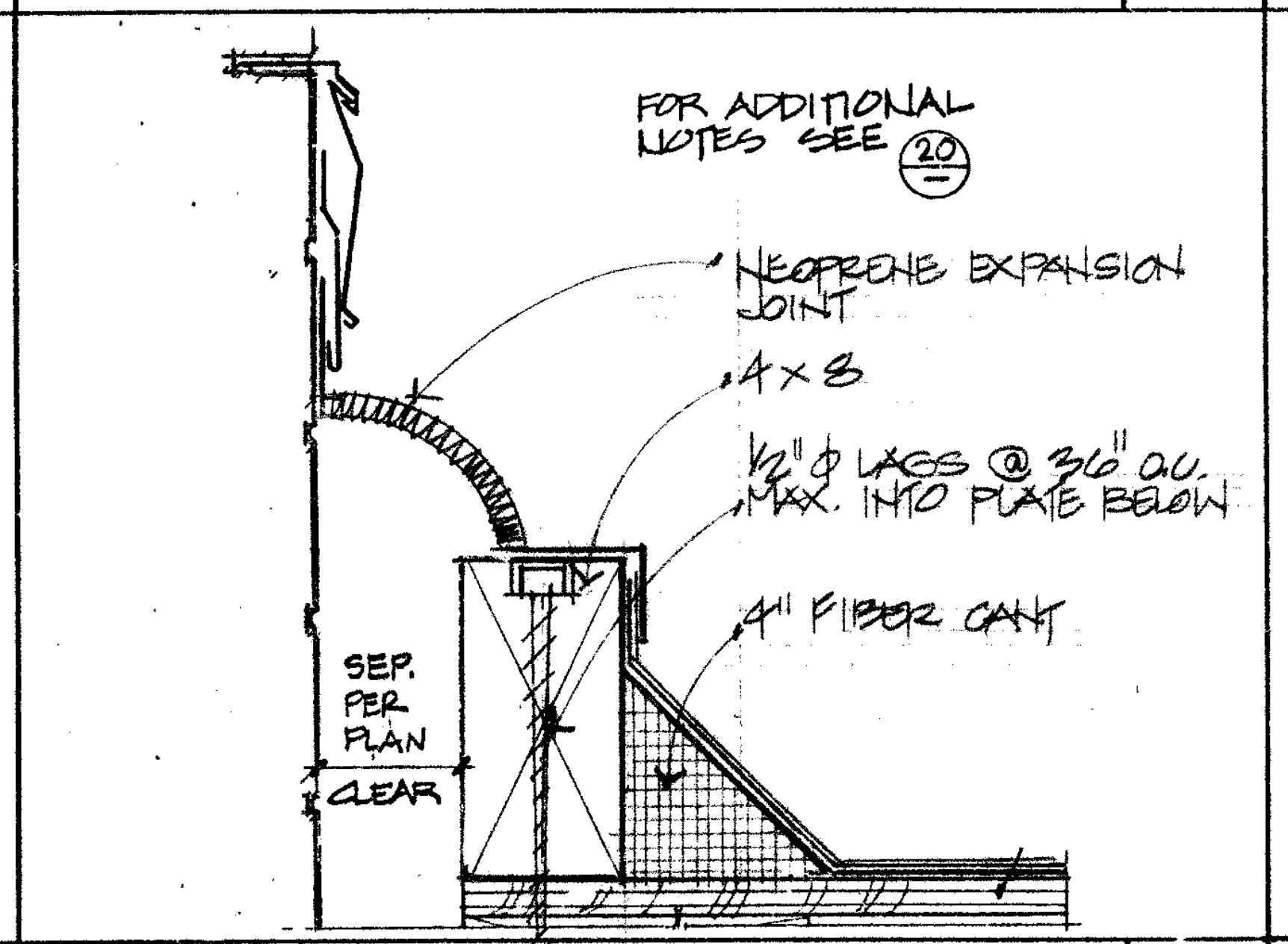
INSULATION ANCHORAGE NTS 18


7/8" PLASTER
REGLET
J-MOLD
COUNTER-FLASHING
1/2" PLYWOOD
BASE FLASHINGS TO EXTEND 4"-6" ONTO ROOF
B.U.R. 2" TO 4" DRY
3" FIBER CANT
B.U.R. MEMBRANE
TAPERED INSULATION
RIGID INSUL.
7/8" PLASTER
8"

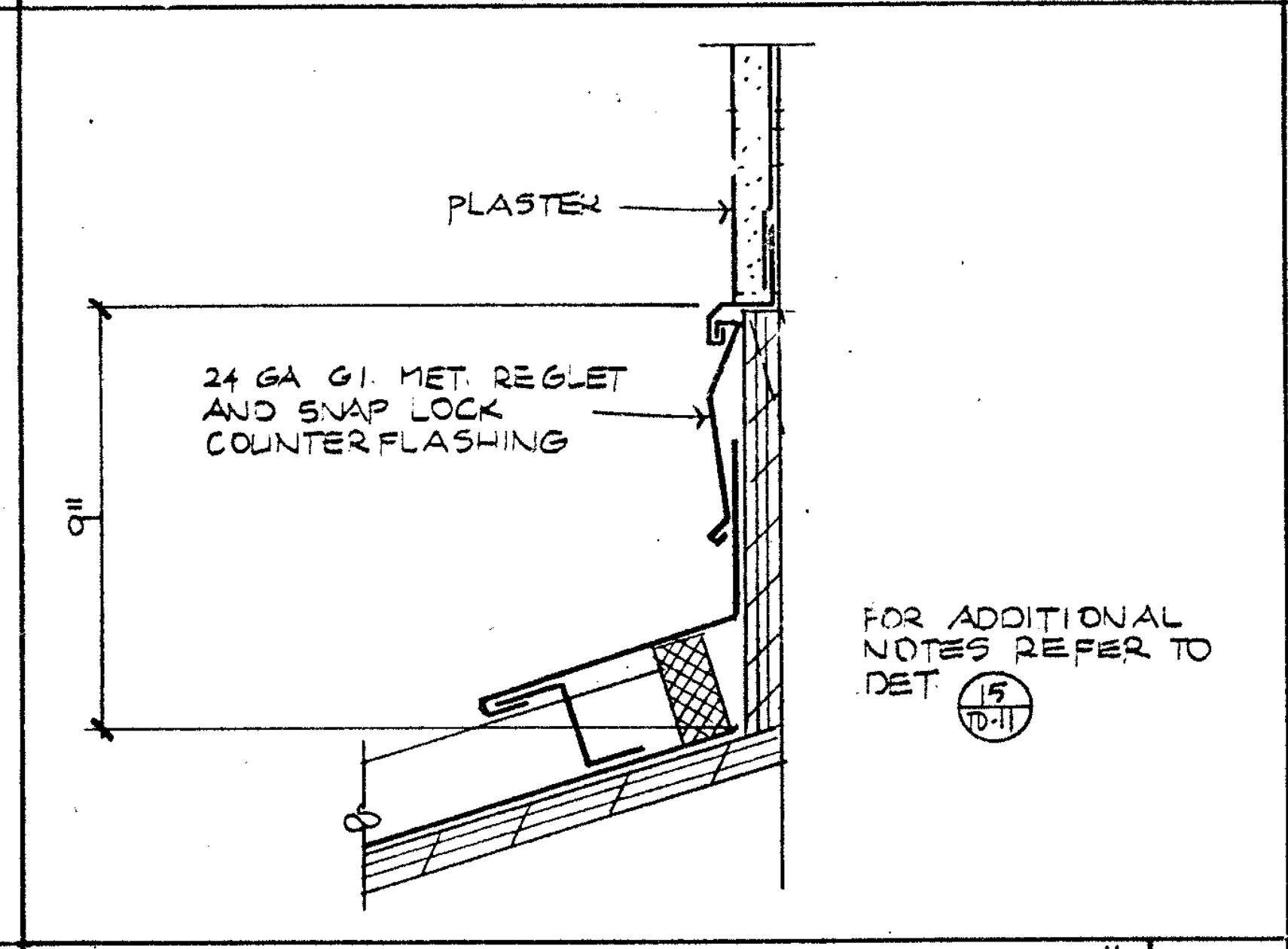
WALL FLASHING 3" 19


EXIST CONC UNIT MASONRY WALL
SEALANT
TYP. REGLET FLASHING IN EXIST JOINT
24 GA G.I. COUNTERFLASHING
NEOPRENE EXPANSION JOINT
PREFIN. MTL. ROOFING
SEP PER PLAN
CLEAR

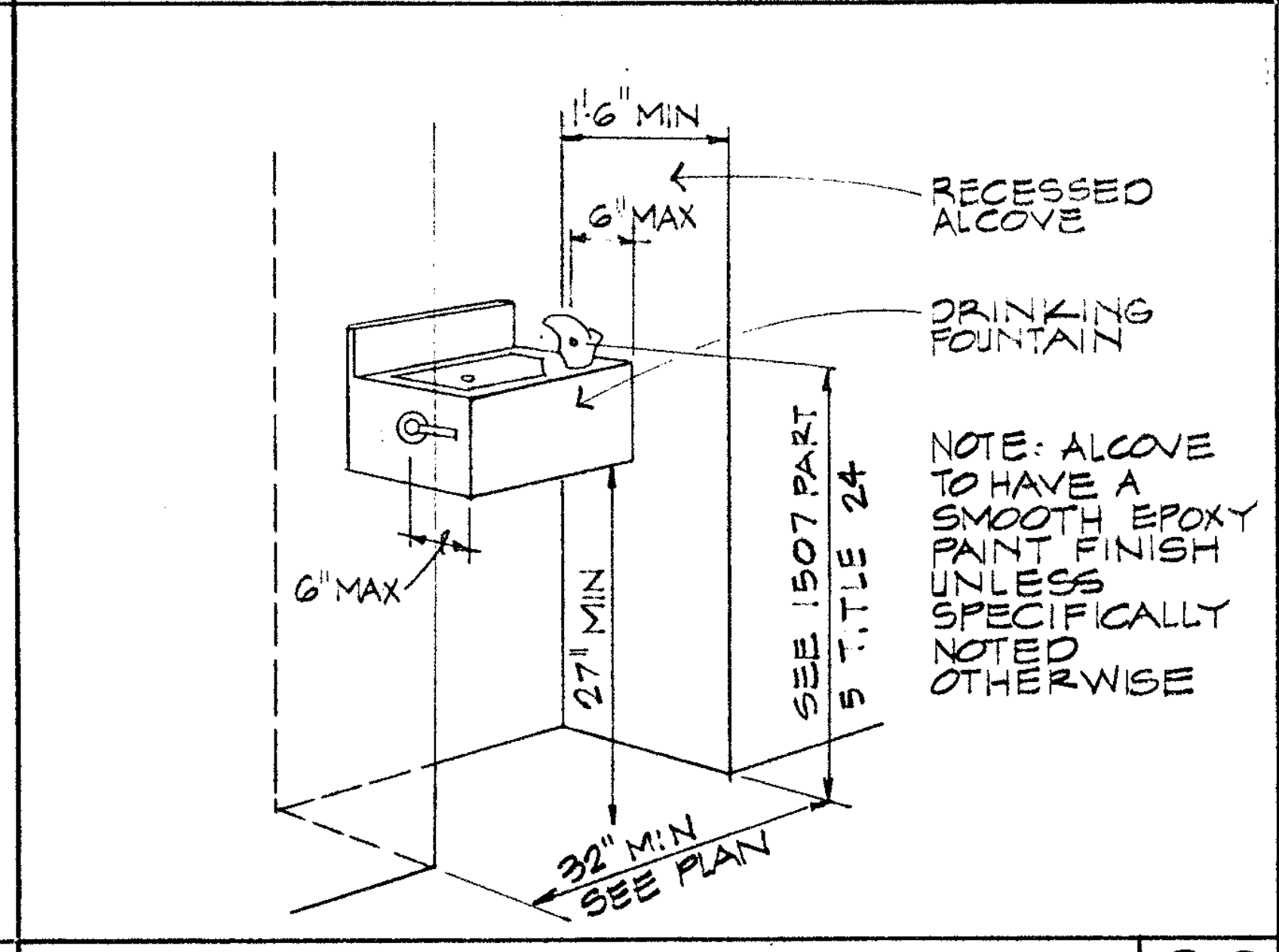
MTL. ROOF @ EXPANSION JT. 3" 20


FOR ADDITIONAL NOTES SEE 20
NEOPRENE EXPANSION JOINT
4x8
1/2" ⌀ LAGS @ 36" O.C. MAX. INTO PLATE BELOW
4" FIBER CANT
SEP. PER PLAN
CLEAR

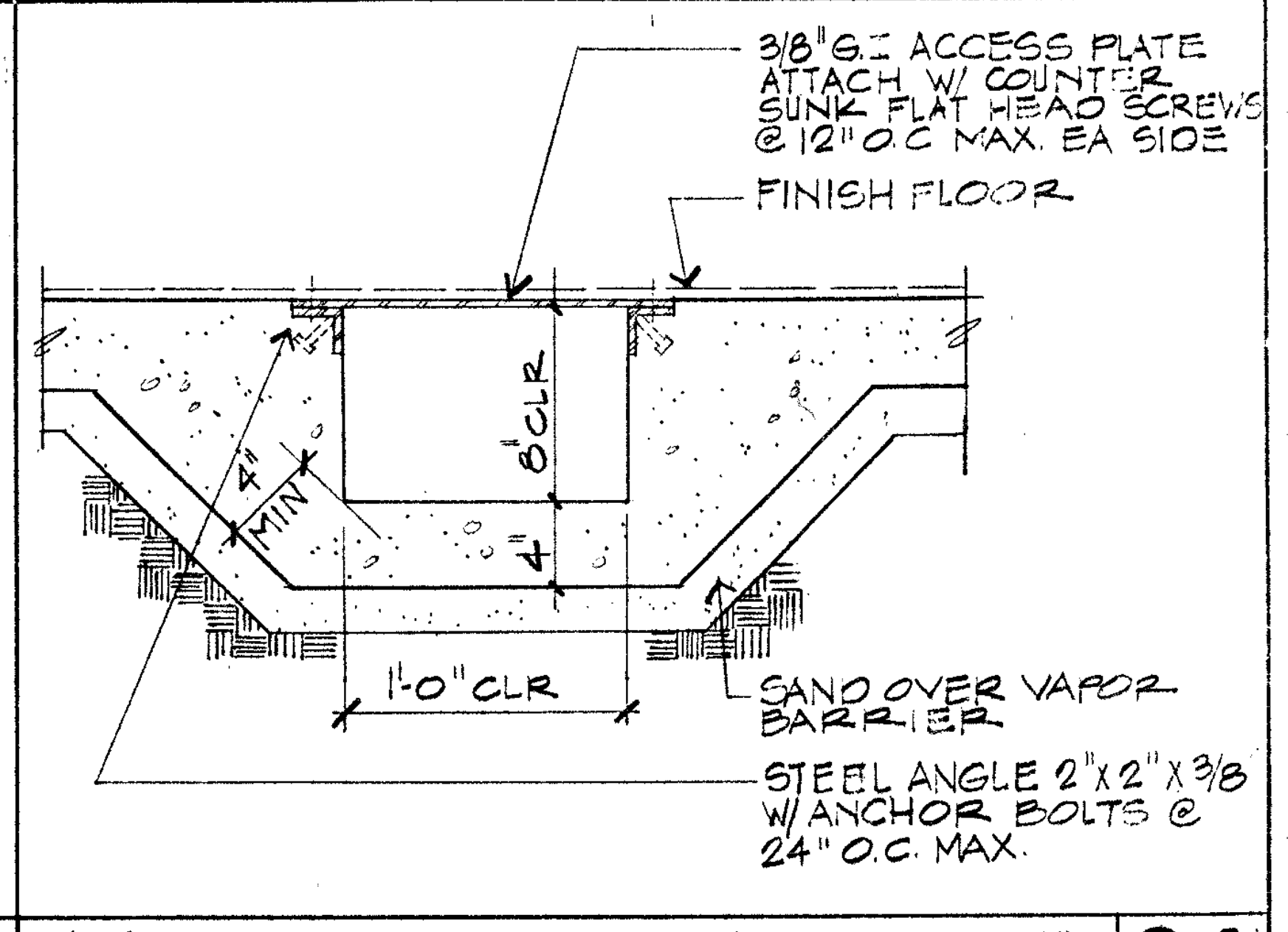
WOOD DECK @ EXPANSION JT. 3" 21


PLASTER
24 GA G.I. MET. REGLET AND SNAP LOCK COUNTERFLASHING
9"
FOR ADDITIONAL NOTES REFER TO DET 15/TD11

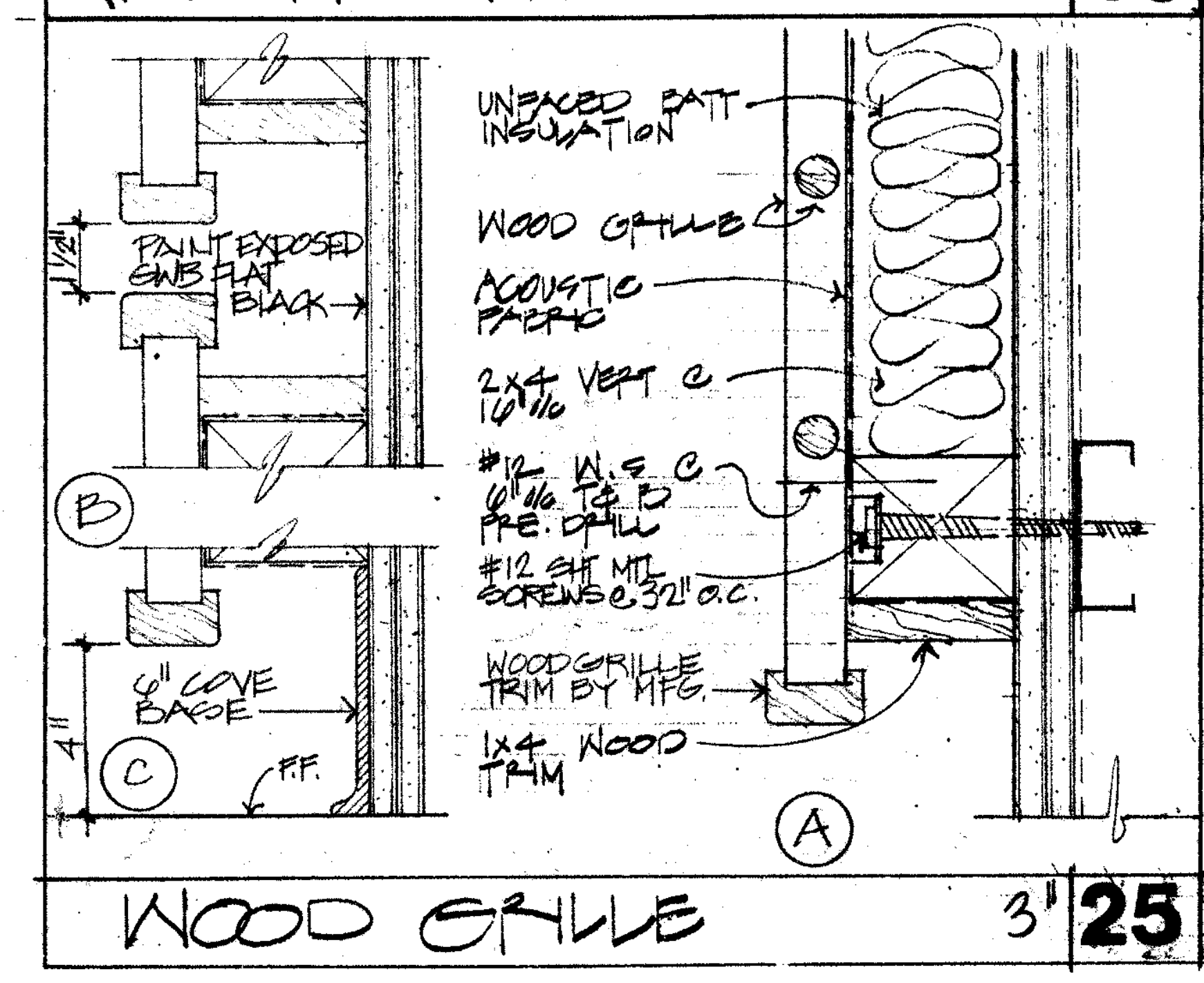
FLASHING @ METAL ROOF 3" 22


1'-6" MIN
6" MAX
RECESSED ALCOVE
DRINKING FOUNTAIN
NOTE: ALCOVE TO HAVE A SMOOTH EPOXY PAINT FINISH UNLESS SPECIFICALLY NOTED OTHERWISE
6" MAX
27" MIN
SEE 1507 PART 5 TITLE 24
30" MIN SEE PLAN

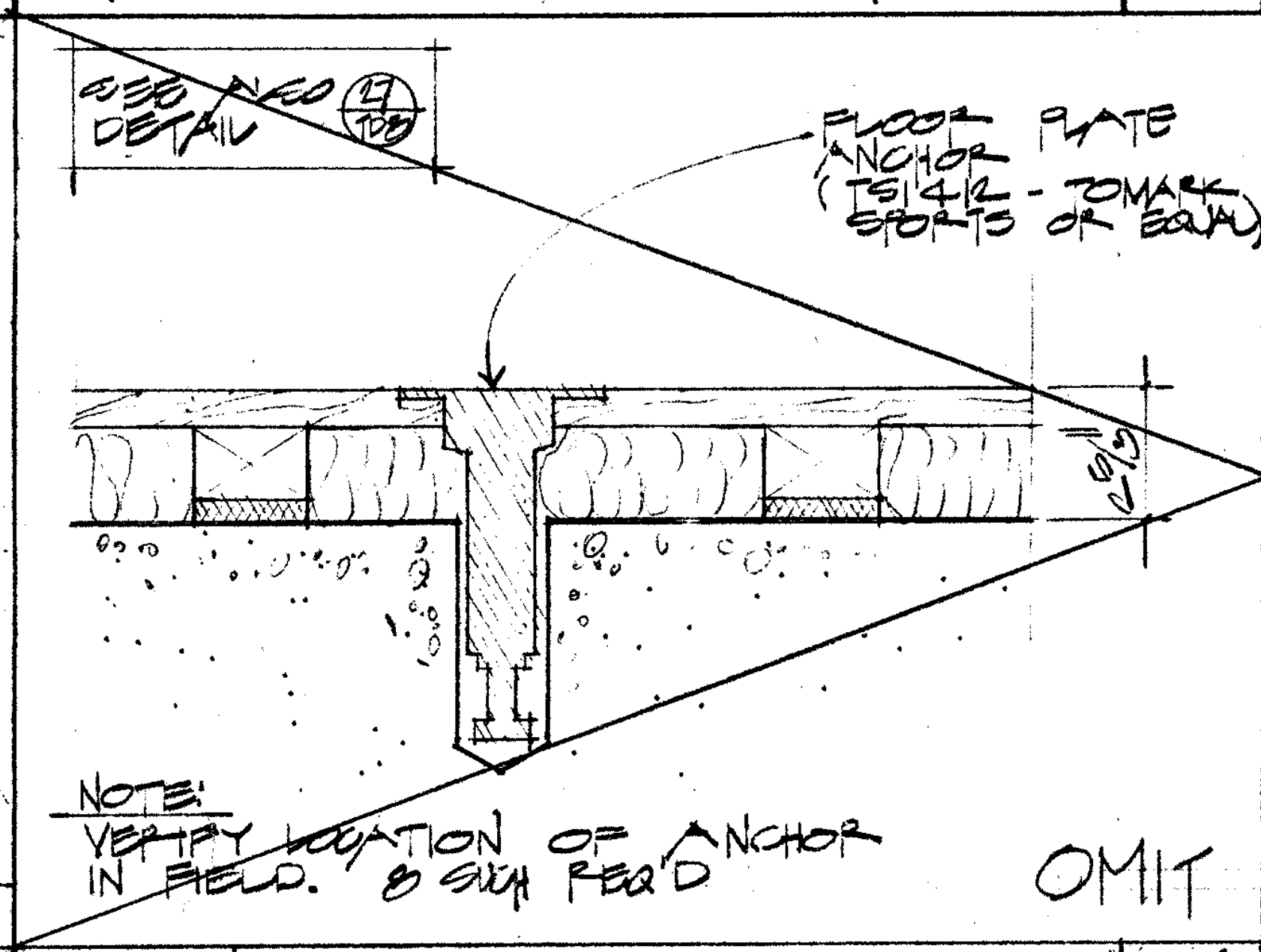
HANDICAP FOUNTAIN N.T.S. 23


3/8" G.I. ACCESS PLATE ATTACH W/ COUNTER SUNK FLAT HEAD SCREWS @ 12" O.C. MAX. EA SIDE
FINISH FLOOR
8" CLR.
1'-0" CLR
SAND OVER VAPOR BARRIER
STEEL ANGLE 2"x2"x3/8 W/ANCHOR BOLTS @ 24" O.C. MAX.

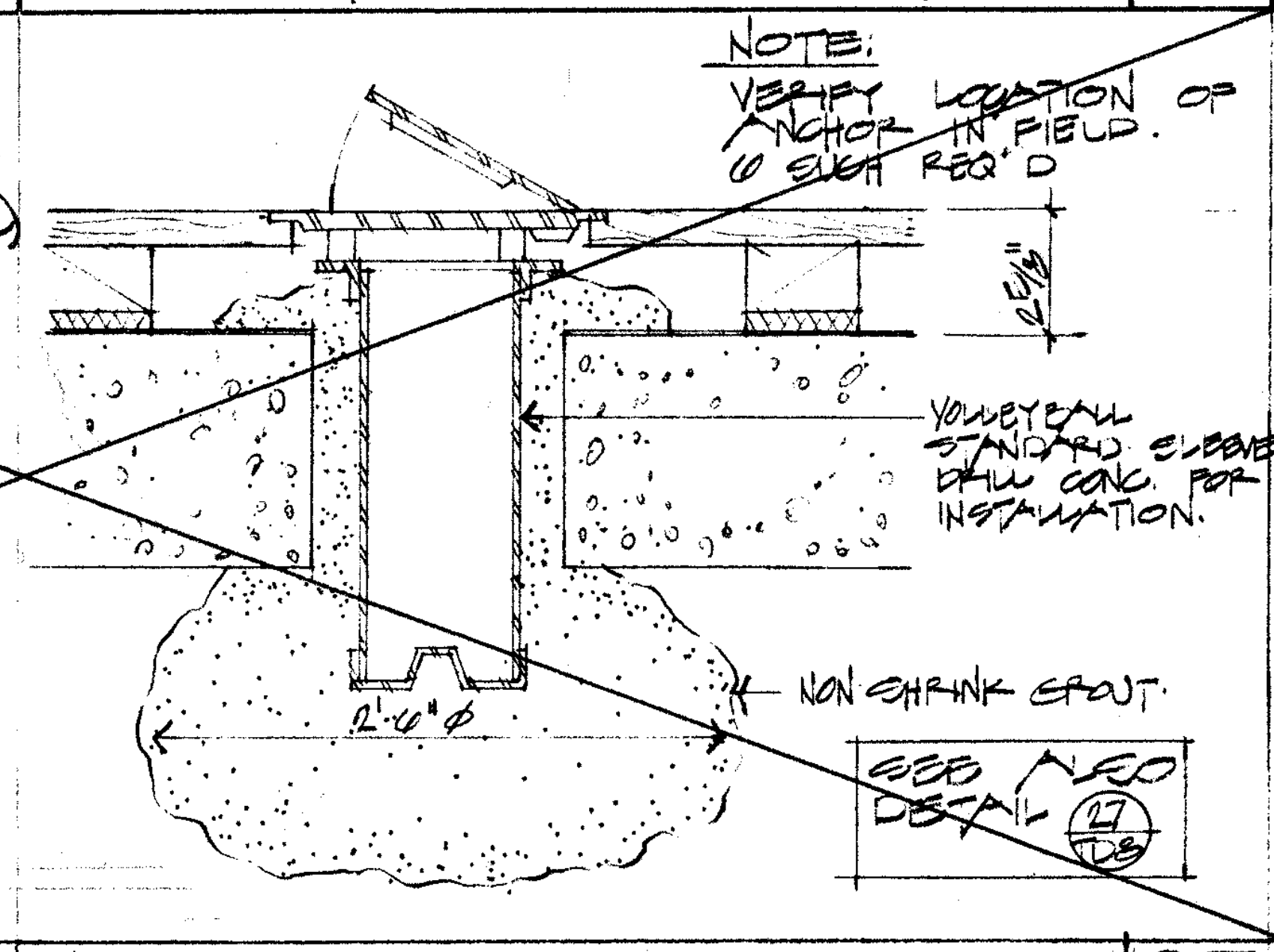
UTILITY TRENCH 1/2" 24


UNFACED BATT INSULATION
WOOD GRILLE
ACOUSTIC PANEL
PAINT EXPOSED GWB FLAT BLACK
2x4 VERT @ 16" O.C.
#12 W.S. @ 16" O.C. PRE-DRILL
#12 SHT MTL SCREWS @ 32" O.C.
WOOD GRILLE TRIM BY MFG.
1x4 WOOD TRIM
6" COVE BASE
B
C
A
F.F.

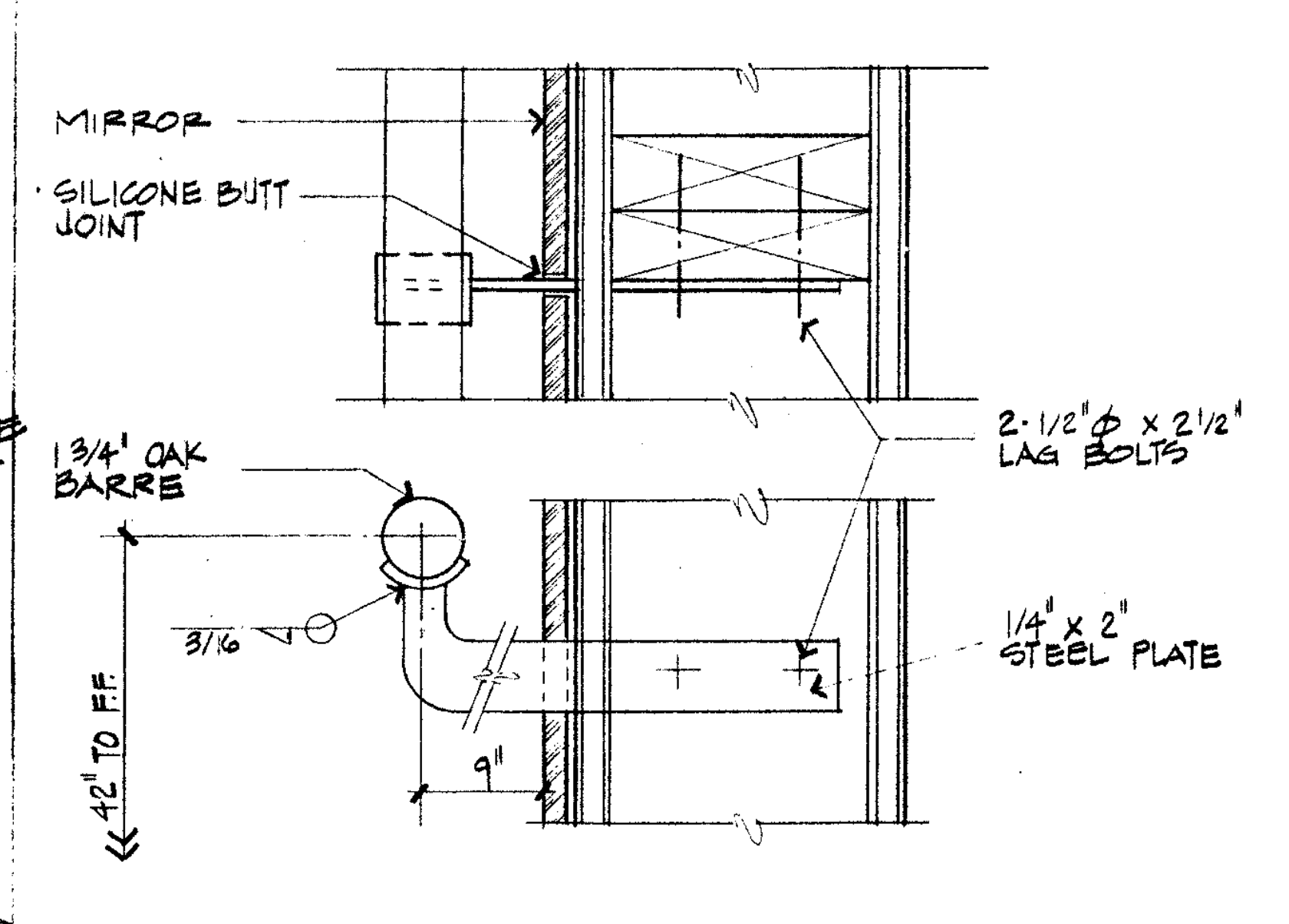
WOOD GRILLE 3" 25


SEE ALSO DETAIL 27/TD12
FLOOR PLATE ANCHOR (TS4-12 - TOMARK SPORTS OR EQUAL)
NOTE: VERIFY LOCATION OF ANCHOR IN FIELD. & SIGN REQ'D
OMIT

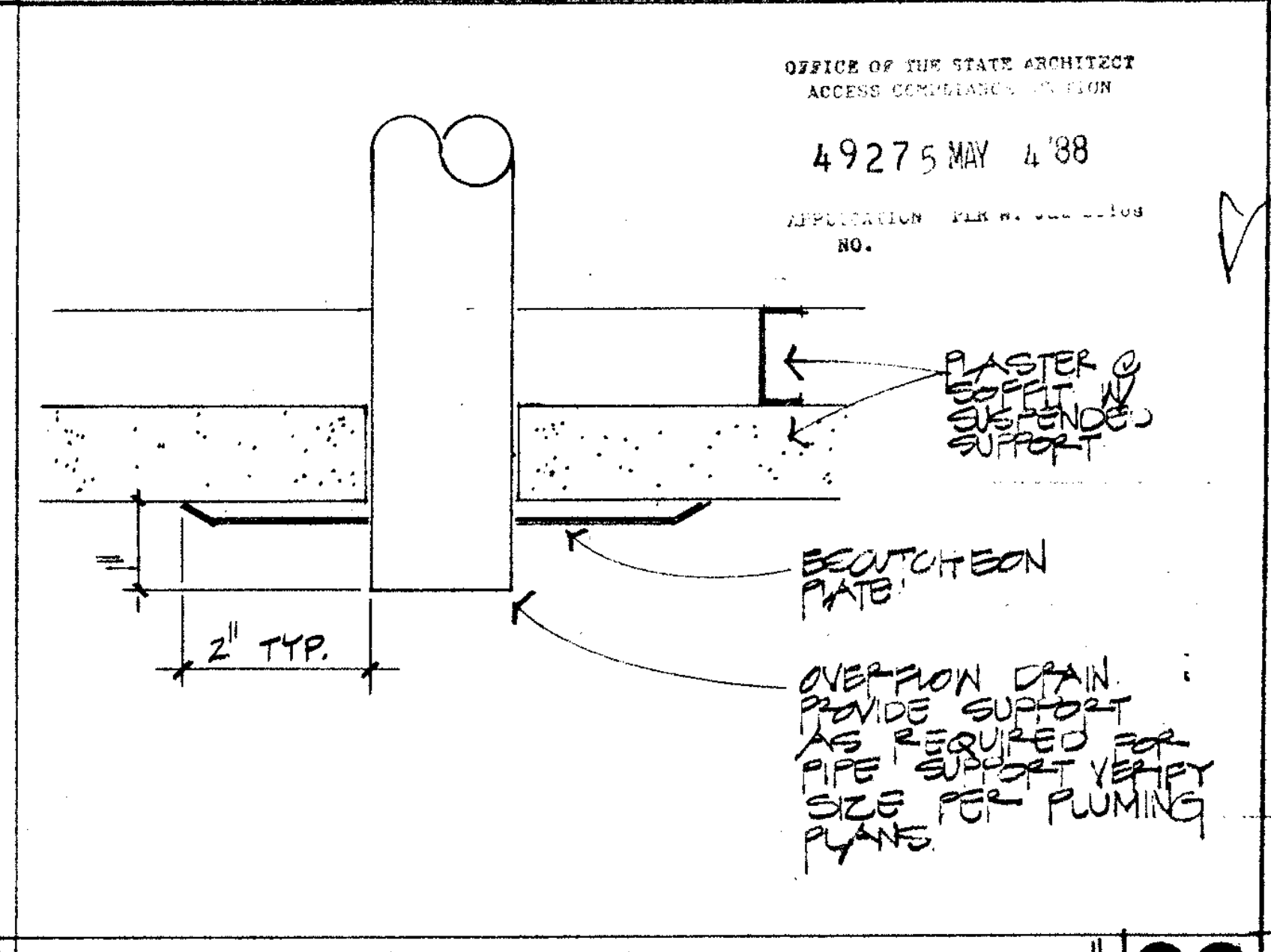
GYMNASTICS FLOOR PLATE 3" 26


NOTE: VERIFY LOCATION OF ANCHOR IN FIELD. & SIGN REQ'D
VOLLEYBALL STANDARD SLEEVE DRILL CONC. FOR INSTALLATION.
NON SHRINK GROUT
SEE ALSO DETAIL 27/TD12

VOLLEYBALL SLEEVE 3" 27

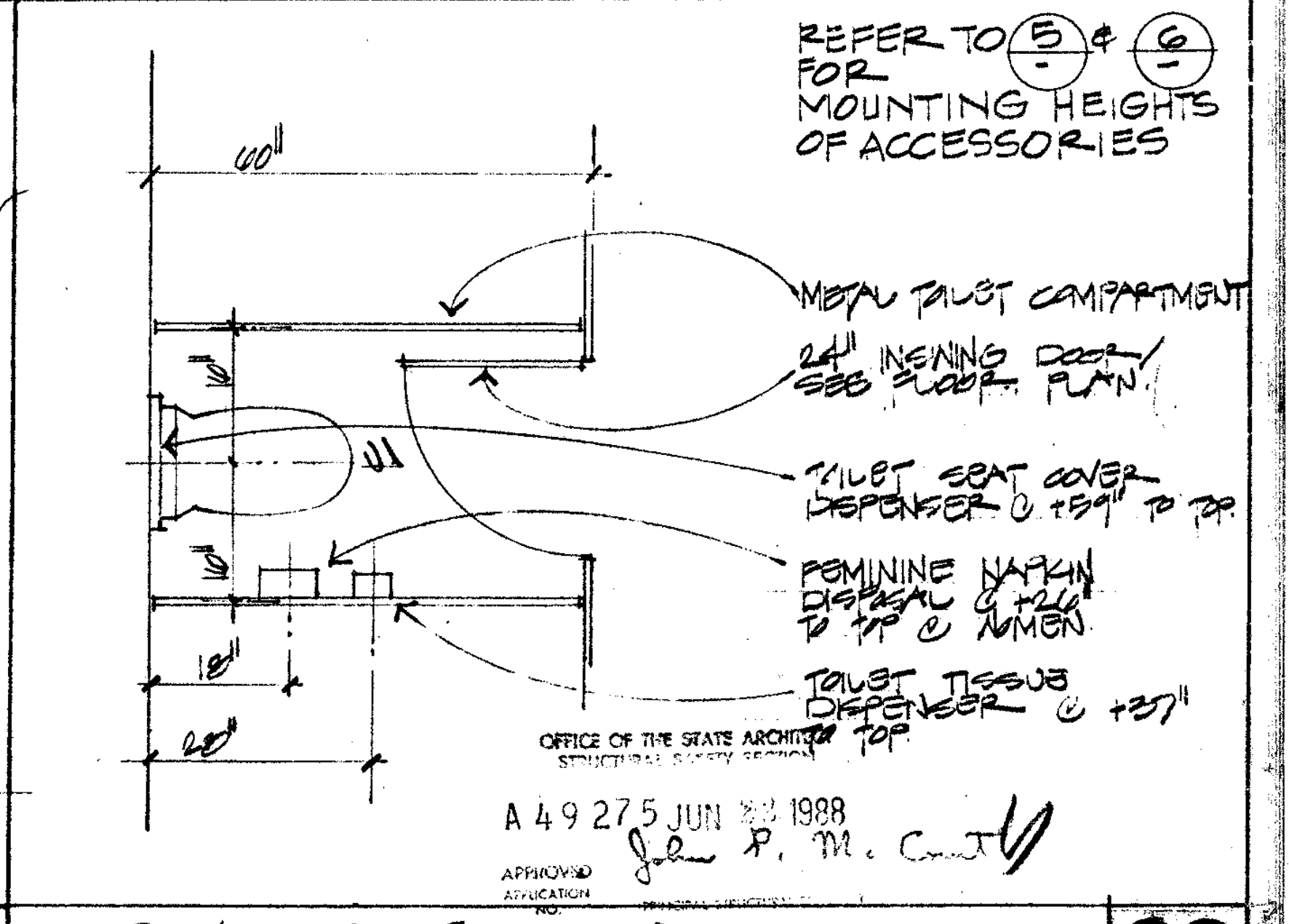

MIRROR
SILICONE BUTT JOINT
1 3/4" OAK BARRE
2-1/2" ⌀ x 2 1/2" LAG BOLTS
1/4" x 2" STEEL PLATE
42" TO F.F.
9"

BALLET BAR 28


PLASTER @ SUSPENDED SOFFIT
ESCUTCHEON PLATE
2" TYP.
OVERFLOW DRAIN PROVIDE SUPPORT AS REQUIRED FOR PIPE SUPPORT. VERIFY SIZE FOR PLUMBING PLANS.

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
4927 5 MAY 4 '88

OVERFLOW DRAIN @ SOFFIT 6" 29


REFER TO 5 & 6 FOR MOUNTING HEIGHTS OF ACCESSORIES
METAL TOILET COMPARTMENT
24" SWING DOOR SEE FLOOR PLAN
TOILET SEAT COVER DISPENSER @ +57" TO TOP
FEMININE NAPKIN DISPOSAL @ WOMEN
TOILET TISSUE DISPENSER @ +27" TO TOP
18"

OFFICE OF THE STATE ARCHITECT
A 49 27 5 JUN 1988
APPROVED
Jo P. M. C

TYPICAL TOILET STALL NTS 30

Drawn By	
Checked By	
Date	MARCH 1988
Commission No	1.30.05

Revisions
BID JANUARY 1991

RUHNAU RUHNAU TODD/ASSOCIATES
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ARCHITECT
C20662

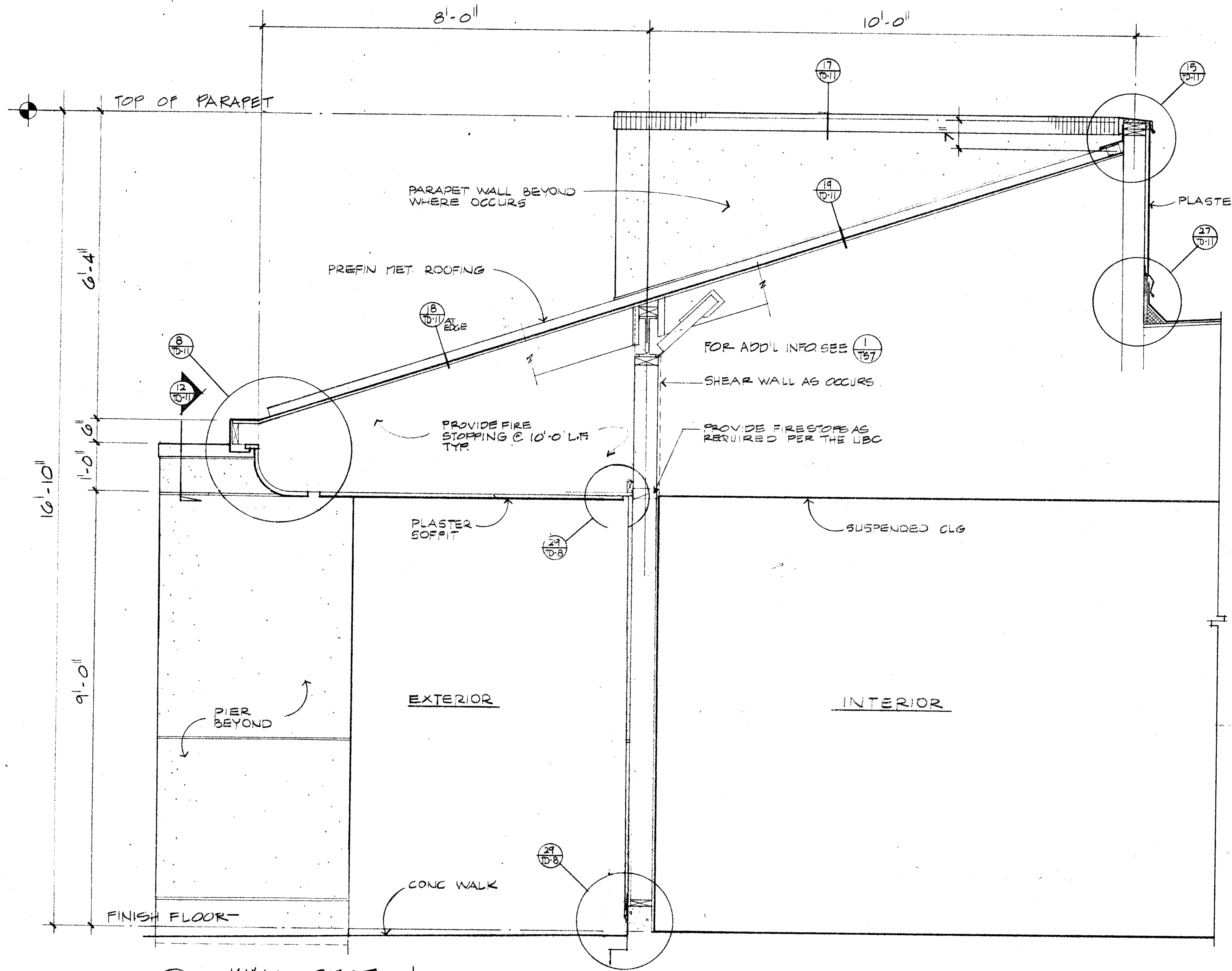
West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

TYPICAL DETAILS

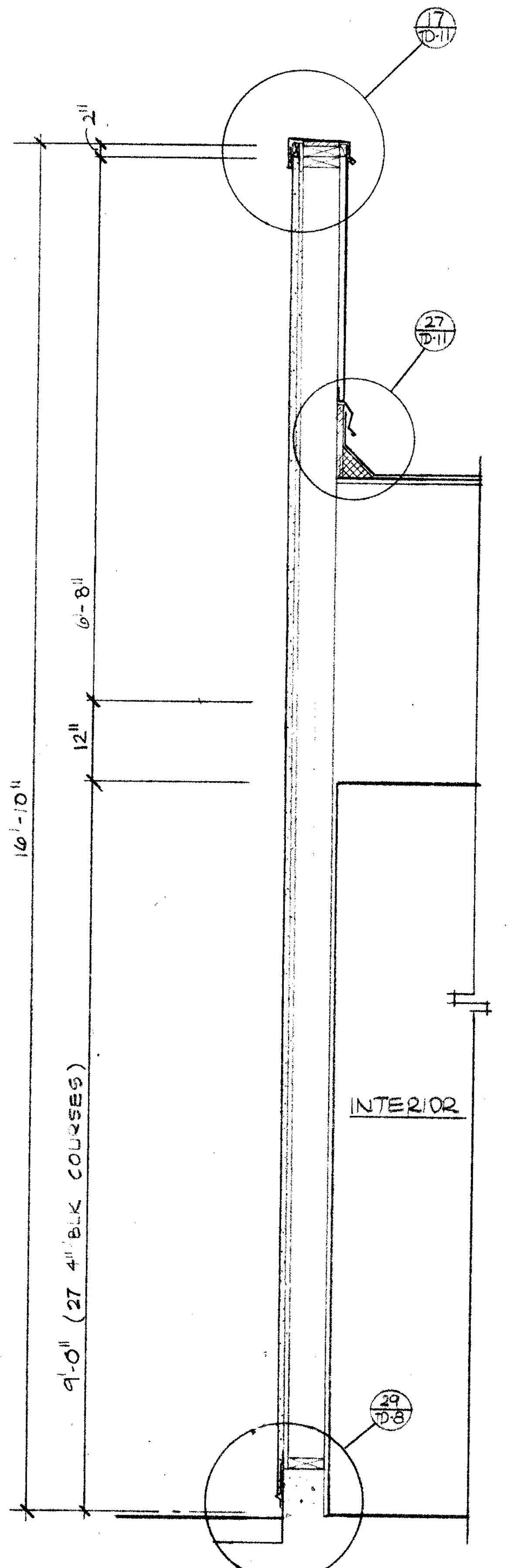
APPROVED
FIRE AND PANIC ONLY
JUN 20 1988
STATE FIRE MARSHAL
SOUTHERN REGION

Sheet Number
TD-12
89 Of Sheets

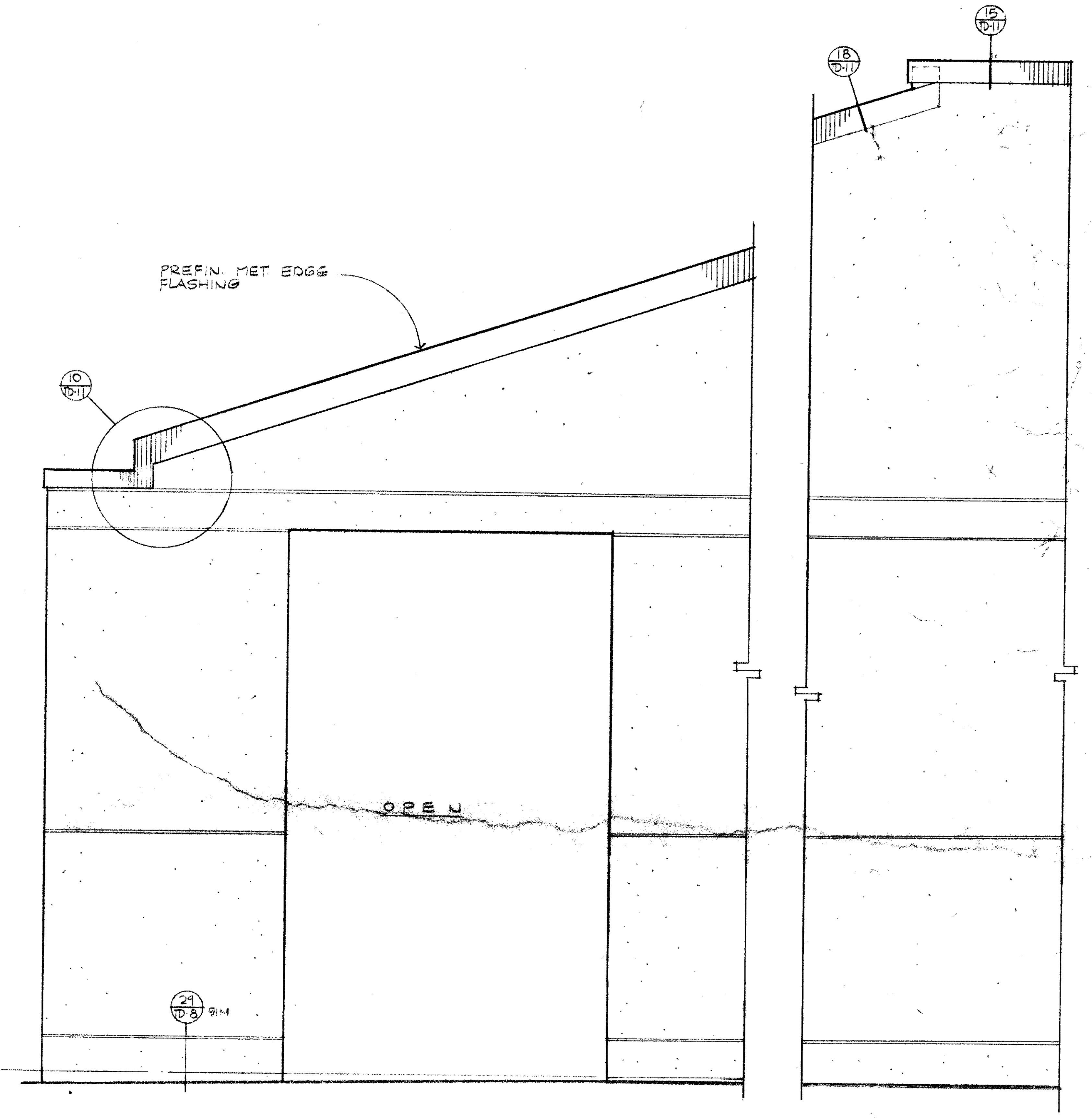
INCREMENT 2


8'-0"
10'-0"
TOP OF PARAPET
6'-4"
16'-10"
1'-0"
6"
9'-0"
17 TD-11
15 TD-11
19 TD-11
27 TD-11
18 TD-11 AT EDGE
8 TD-11
12 TD-11
29 TD-8
29 TD-8
PARAPET WALL BEYOND WHERE OCCURS
PLASTER
PREFIN MET ROOFING
FOR ADD'L INFO SEE 1 TS7
SHEAR WALL AS OCCURS
PROVIDE FIRE STOPPING @ 10'-0' L.F. TYP.
PROVIDE FIRESTOPS AS REQUIRED PER THE UBC
PLASTER SOFFIT
SUSPENDED CLG
EXTERIOR
INTERIOR
PIER BEYOND
CONC WALK
FINISH FLOOR

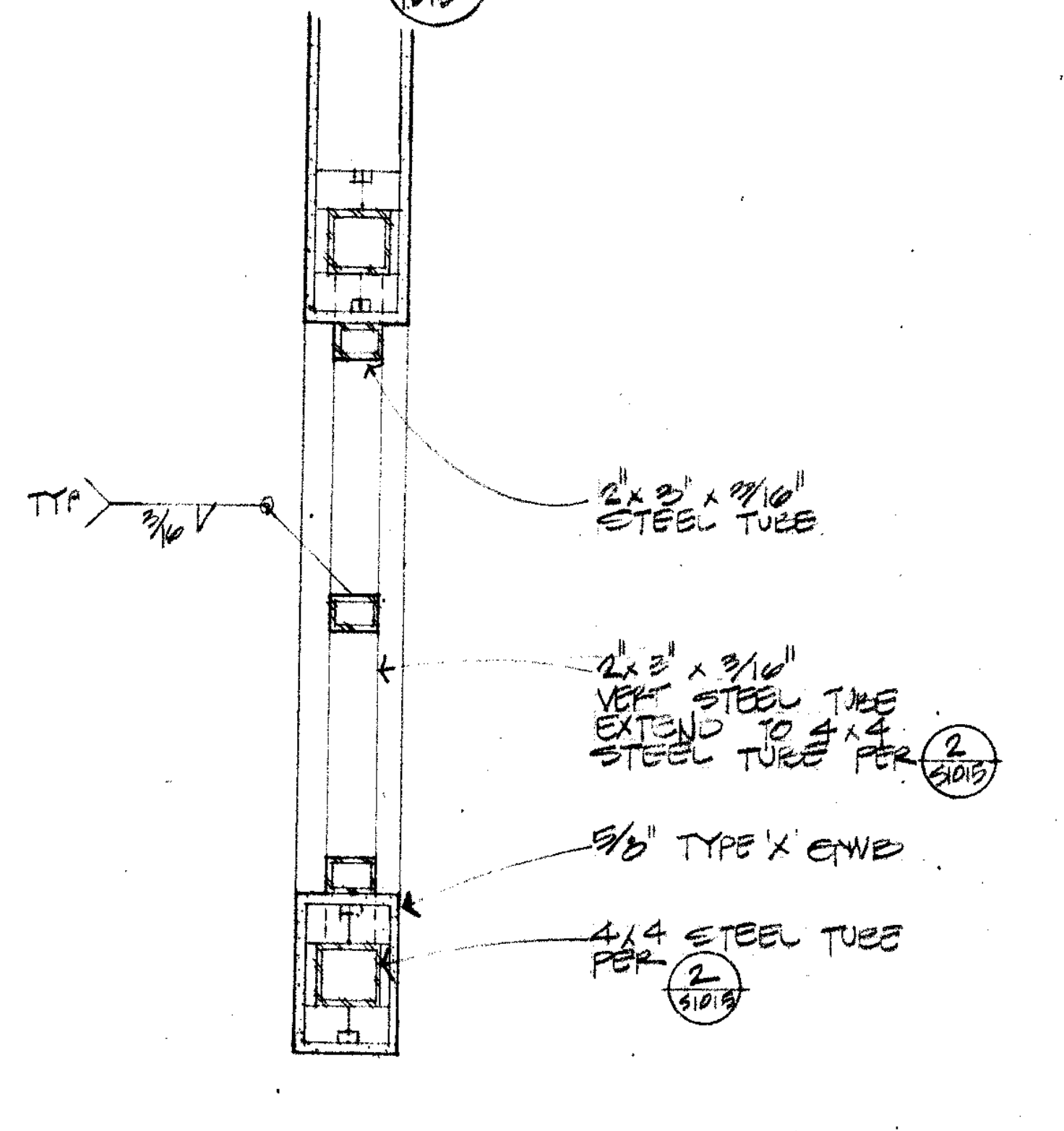
A TD13 WALL SECTION


17 TD-11
2"
27 TD-11
6'-8"
12"
16'-0"
9'-0" (27 4" BLK COURSES)
INTERIOR
29 TD-8

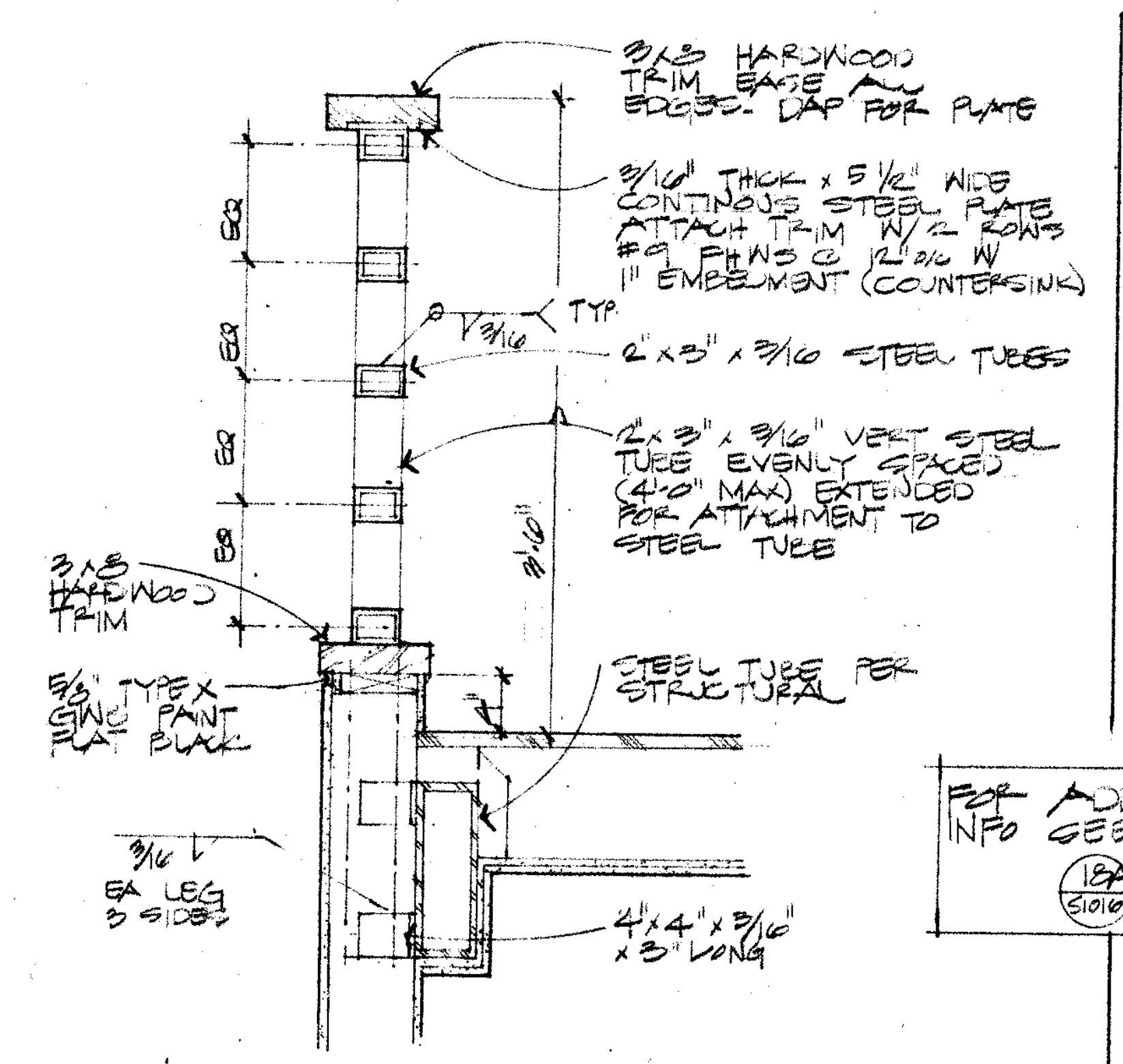
B TD13 WALL SECTION


15 TD-11
18 TD-11
PREFIN MET EDGE FLASHING
10 TD-11
OPEN
29 TD-8 SIM

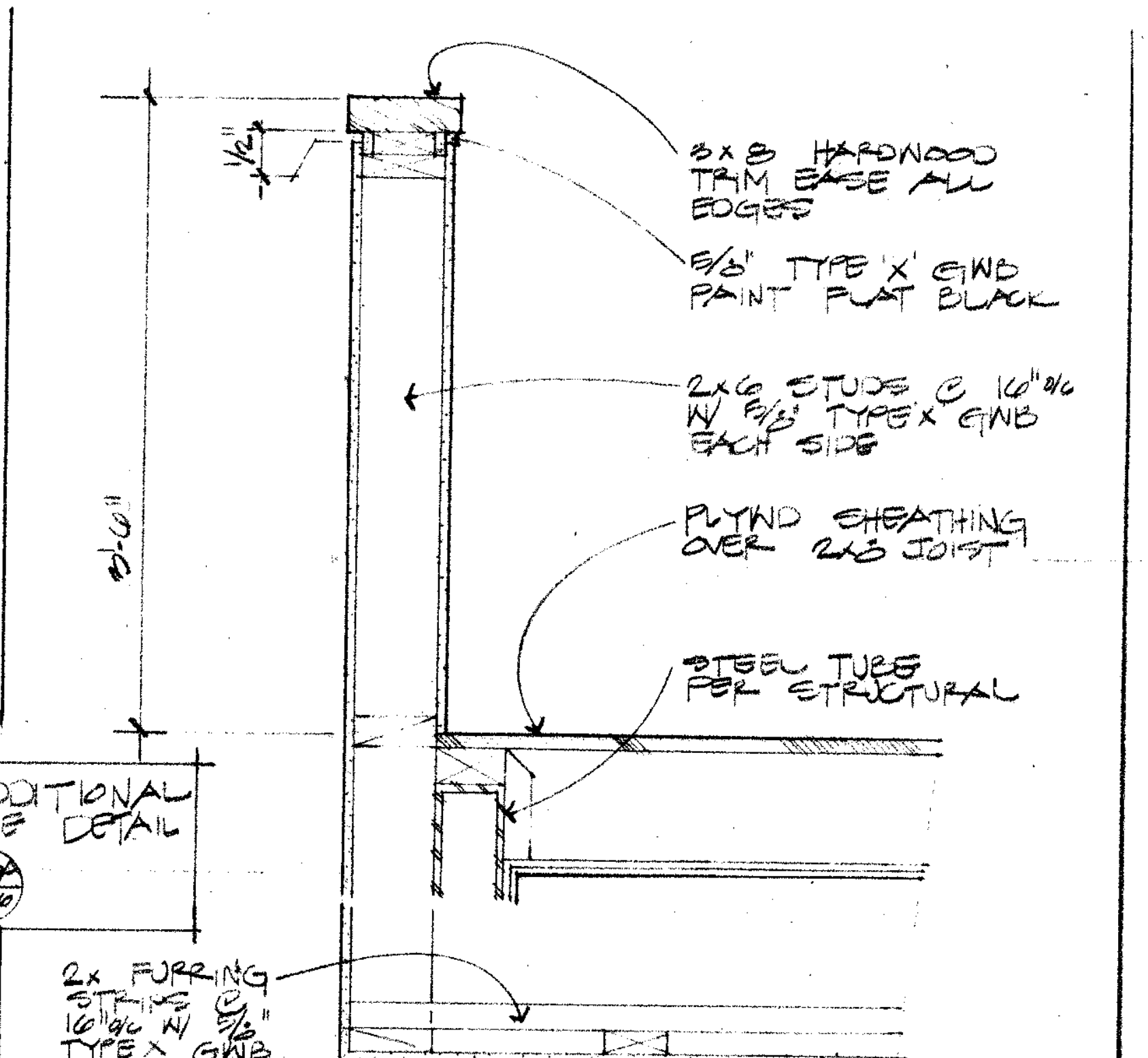
C TD13 TYPICAL END ELEVATION


TYP 3/16 V
2"x 3" x 3/16" STEEL TUBE
2"x 3" x 3/16" VERT STEEL TUBE EXTEND TO 4x4 STEEL TUBE PER 2 S1015
5/8" TYPE 'X' GWB
4x4 STEEL TUBE PER 2 S1015

METAL GRILL | 1" | 1


3x8 HARDWOOD TRIM EASE ALL EDGES- DAP FOR PLATE
3/16" THICK x 5 1/2" WIDE CONTINOUS STEEL PLATE ATTACH TRIM W/ 2 ROWS #9 FHWS @ 12" o/c W 1" EMBEDMENT (COUNTERSINK)
3/16 TYP.
2"x3" x 3/16 STEEL TUBES
2"x 3" x 3/16" VERT STEEL TUBE EVENLY SPACED (4'-0" MAX) EXTENDED FOR ATTACHMENT TO STEEL TUBE
3'-6"
EQ
EQ
EQ
EQ
3x8 HARDWOOD TRIM
5/8" TYPE X GWB PAINT FLAT BLACK
STEEL TUBE PER STRUCTURAL
3/16 EA LEG 3 SIDES
4"x4" x 3/16" x 3" LONG
FOR ADDITIONAL INFO SEE DETAIL 18A S1016

GUARD RAIL | 1" | 2


1/2"
3'-6"
3x8 HARDWOOD TRIM EASE ALL EDGES
5/8" TYPE 'X' GWB PAINT FLAT BLACK
2x6 STUDS @ 16" o/c W/ 5/8" TYPE X GWB EACH SIDE
PLYWD SHEATHING OVER 2x8 JOIST
STEEL TUBE PER STRUCTURAL
2x FURRING STRIPS @ 16" o/c W/ 5/8" TYPE X GWB

GUARD RAIL | 1" | 3

Drawn By
Checked By
Date MARCH 1988
Commission No. 1.30.05

Revisions
BID JANUARY 1991

RUHNAU RUHNAU TODD/ASSOCIATES Architects Planners
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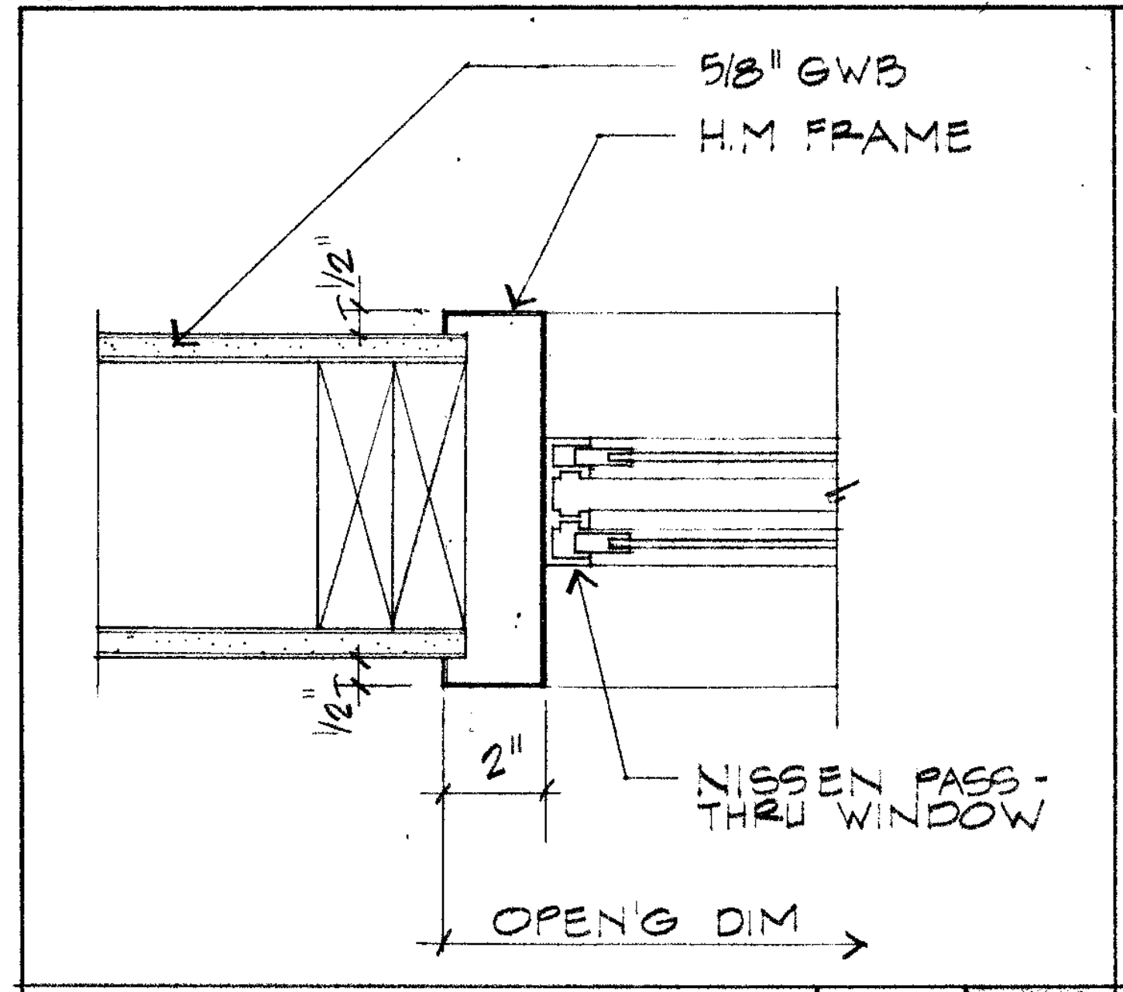
ARCHITECT
C20662

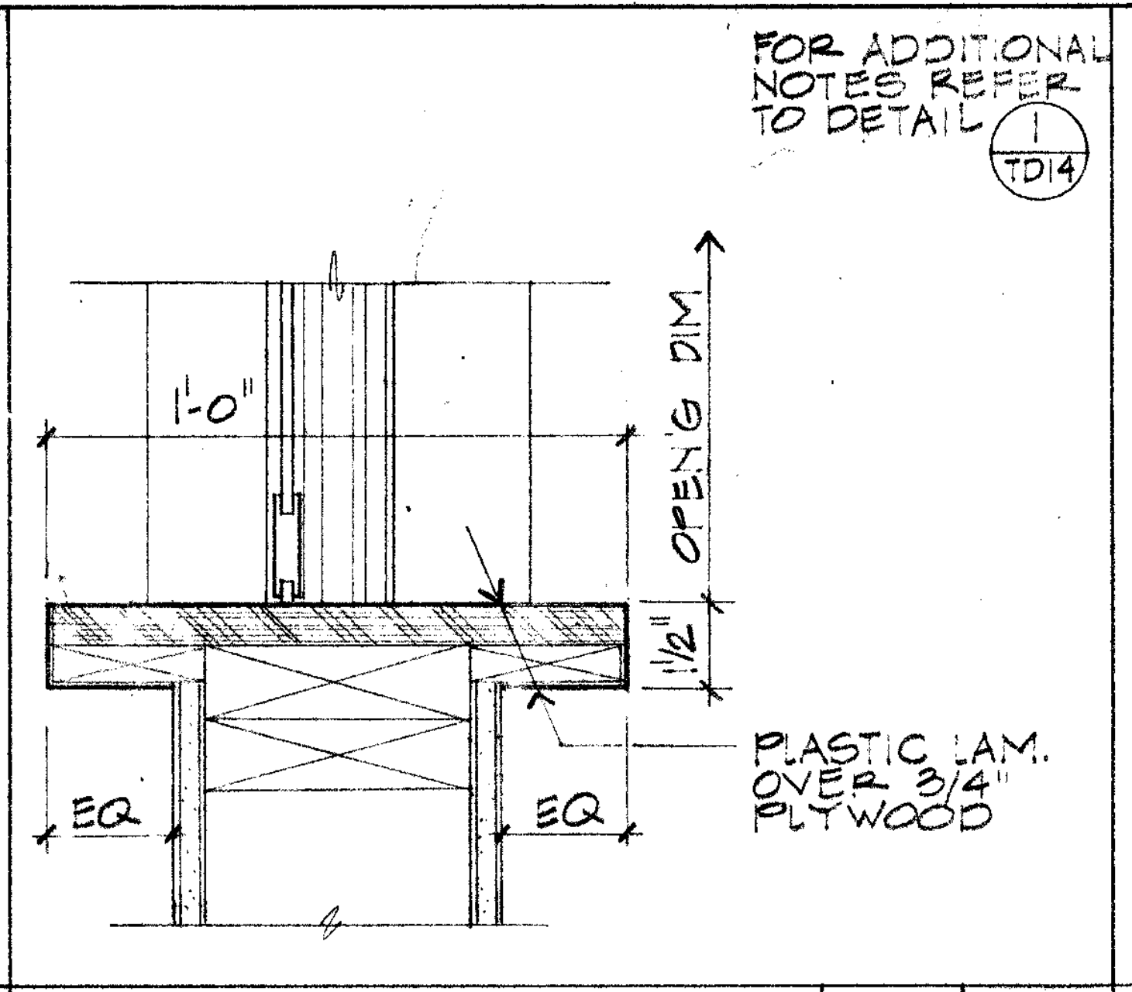
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

Typical Sections

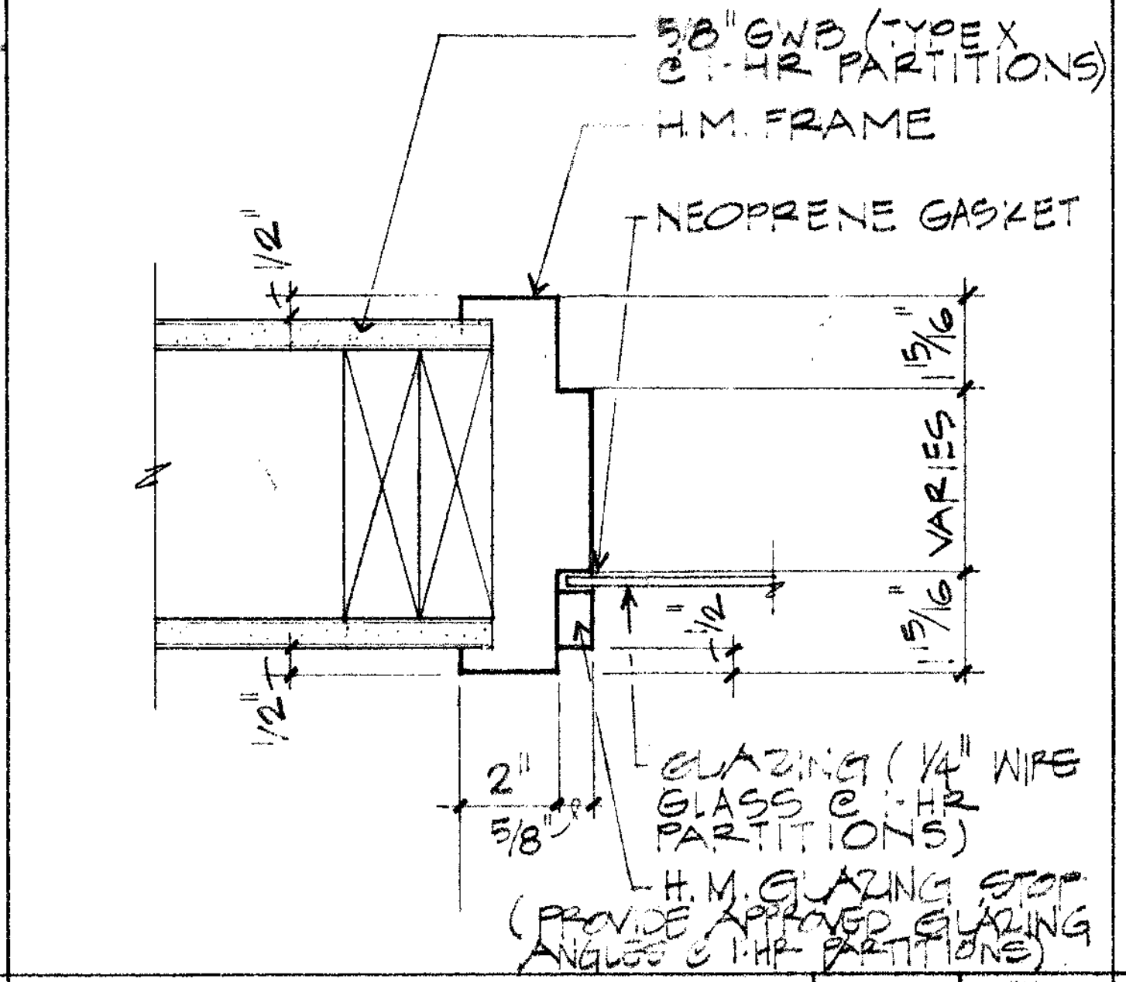
Sheet Number
TD-13
30 of Sheets


5/8" GWB
H.M. FRAME
NISSEN PASS-THRU WINDOW
2"
OPEN'G DIM.

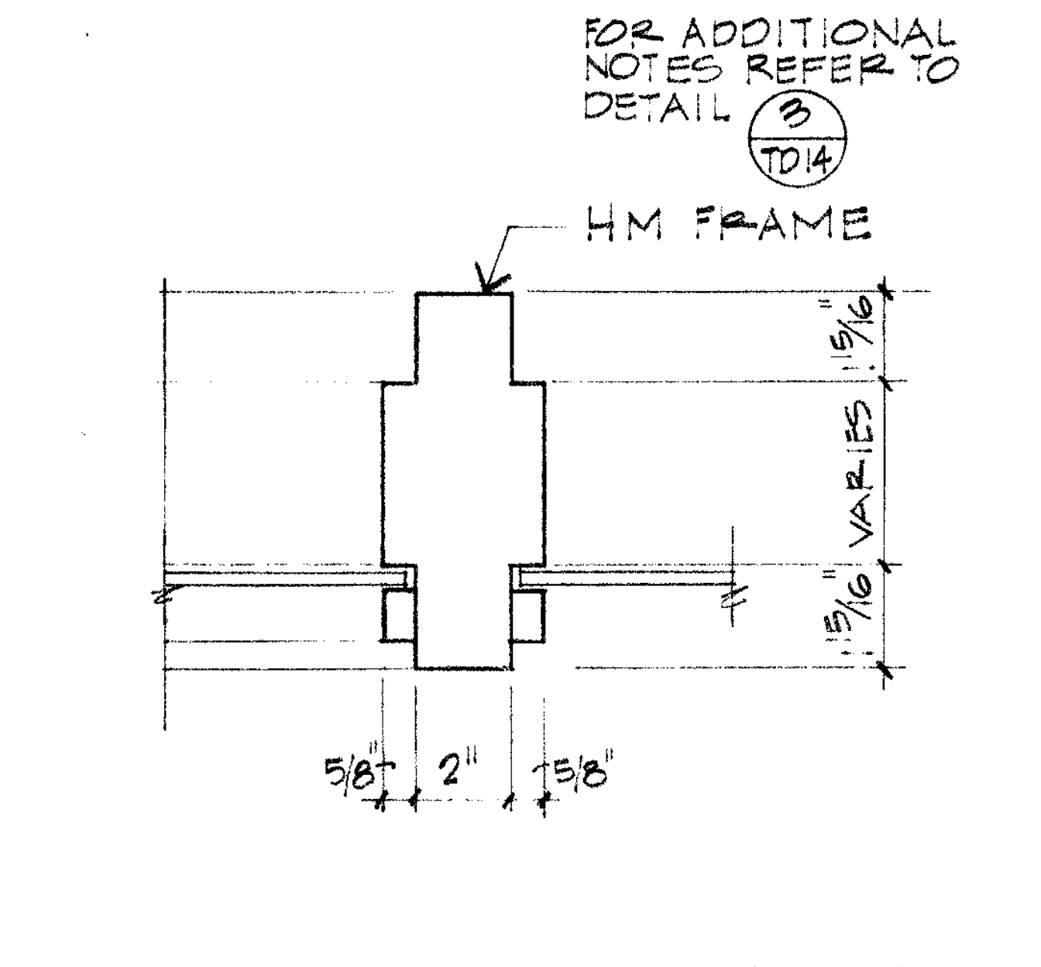
JAMB-HEAD SIM. 3" **1**


FOR ADDITIONAL NOTES REFER TO DETAIL 1/TD14
1'-0"
OPEN'G DIM.
EQ
EQ
PLASTIC LAM. OVER 3/4" PLYWOOD

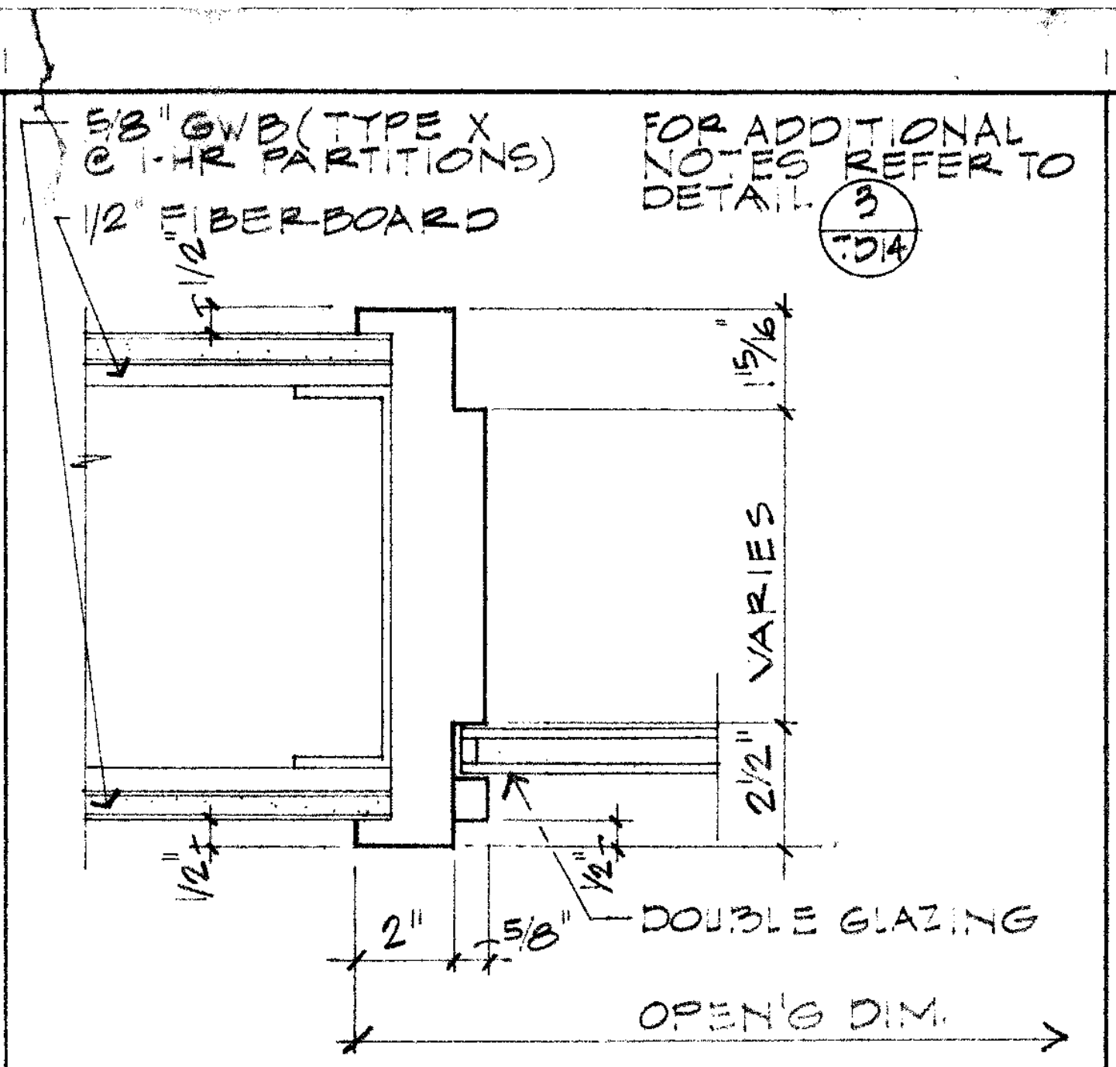
SILL 3" **2**


5/8" GWB (TYPE X @ 1-HR PARTITIONS)
H.M. FRAME
NEOPRENE GASKET
VARIES
GLAZING (1/4" WIRE GLASS @ 1-HR PARTITIONS)
H.M. GLAZING STOP (PROVIDE APPROVED GLAZING ANGLES @ 1-HR PARTITIONS)

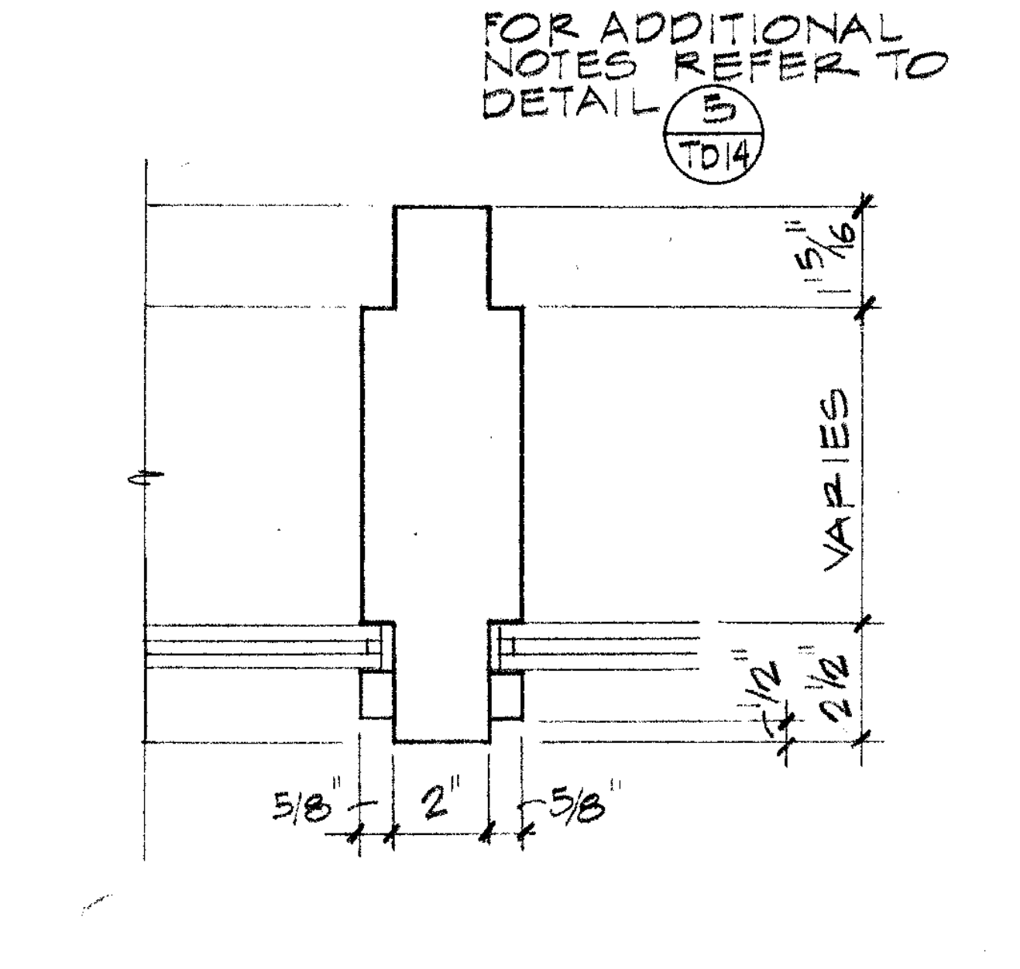
HEAD/JAMB/SILL 3" **3**


FOR ADDITIONAL NOTES REFER TO DETAIL 3/TD14
H.M. FRAME
VARIES
5/8"
2"
5/8"

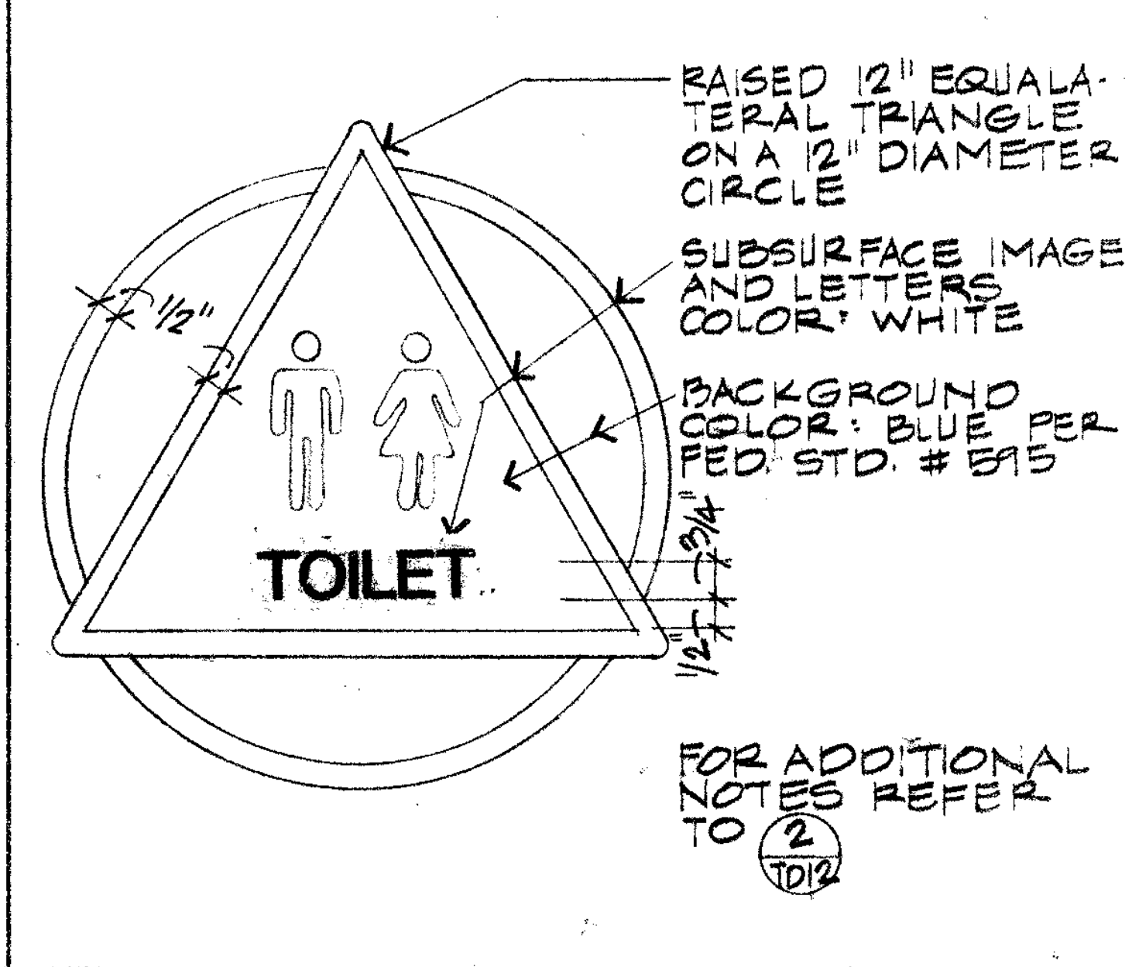
MULLION 3" **4**


5/8" GWB (TYPE X @ 1-HR PARTITIONS)
1/2" FIBERBOARD
FOR ADDITIONAL NOTES REFER TO DETAIL 3/TD14
VARIES
DOUBLE GLAZING
2"
OPEN'G DIM.

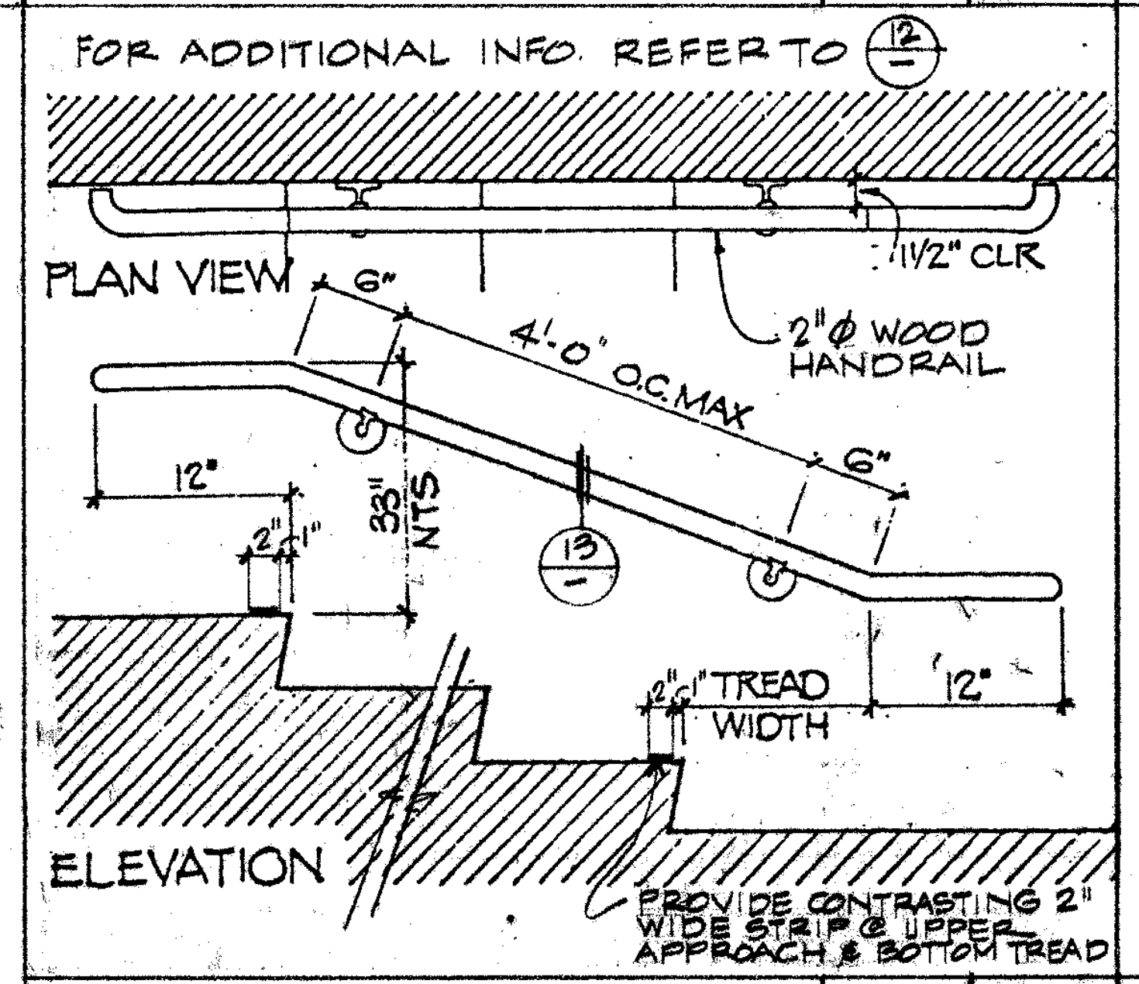
HEAD/JAMB/SILL 3" **5**


FOR ADDITIONAL NOTES REFER TO DETAIL 5/TD14
VARIES
5/8"
2"
5/8"

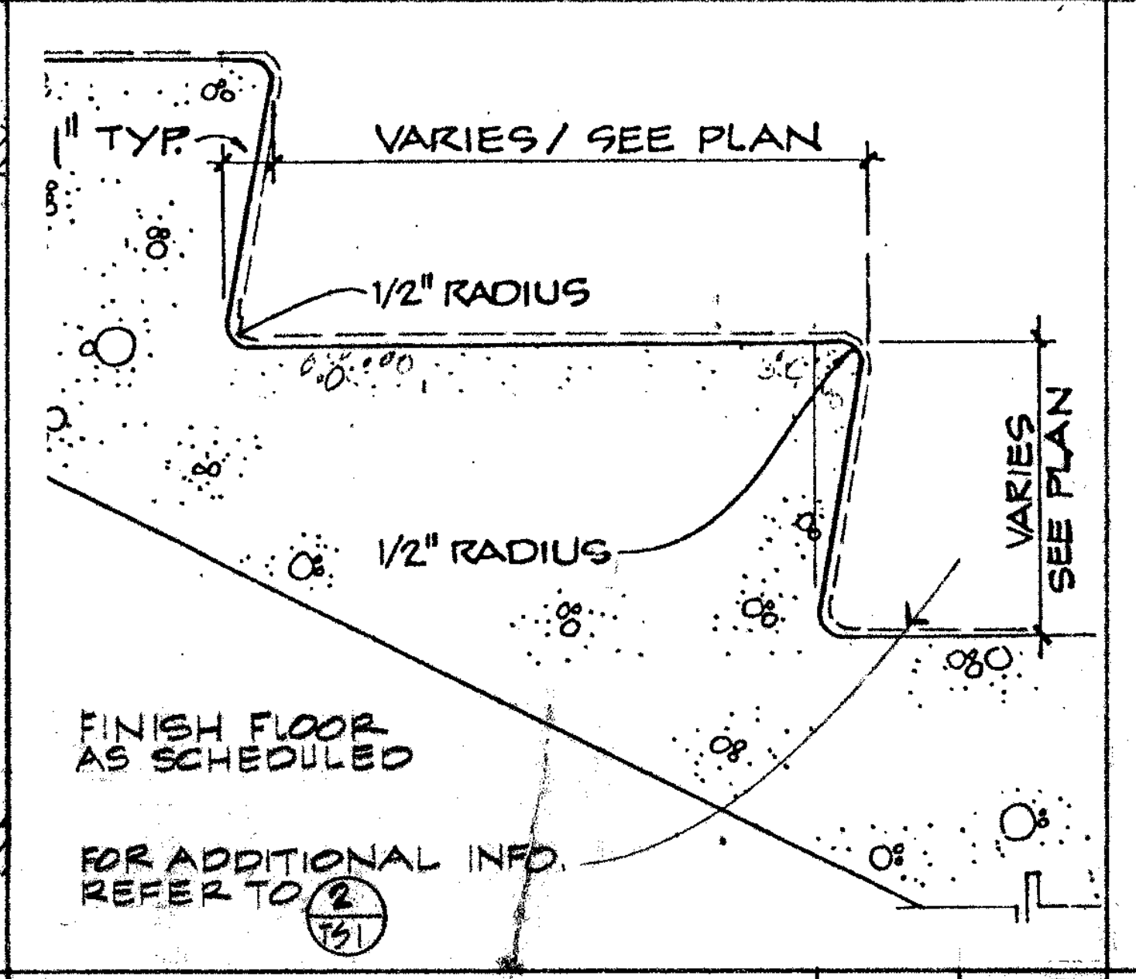
MULLION 3" **6**


RAISED 12" EQUALATERAL TRIANGLE ON A 12" DIAMETER CIRCLE
SUBSURFACE IMAGE AND LETTERS COLOR: WHITE
BACKGROUND COLOR: BLUE PER FED. STD. # 595
TOILET
FOR ADDITIONAL NOTES REFER TO 2/TD12

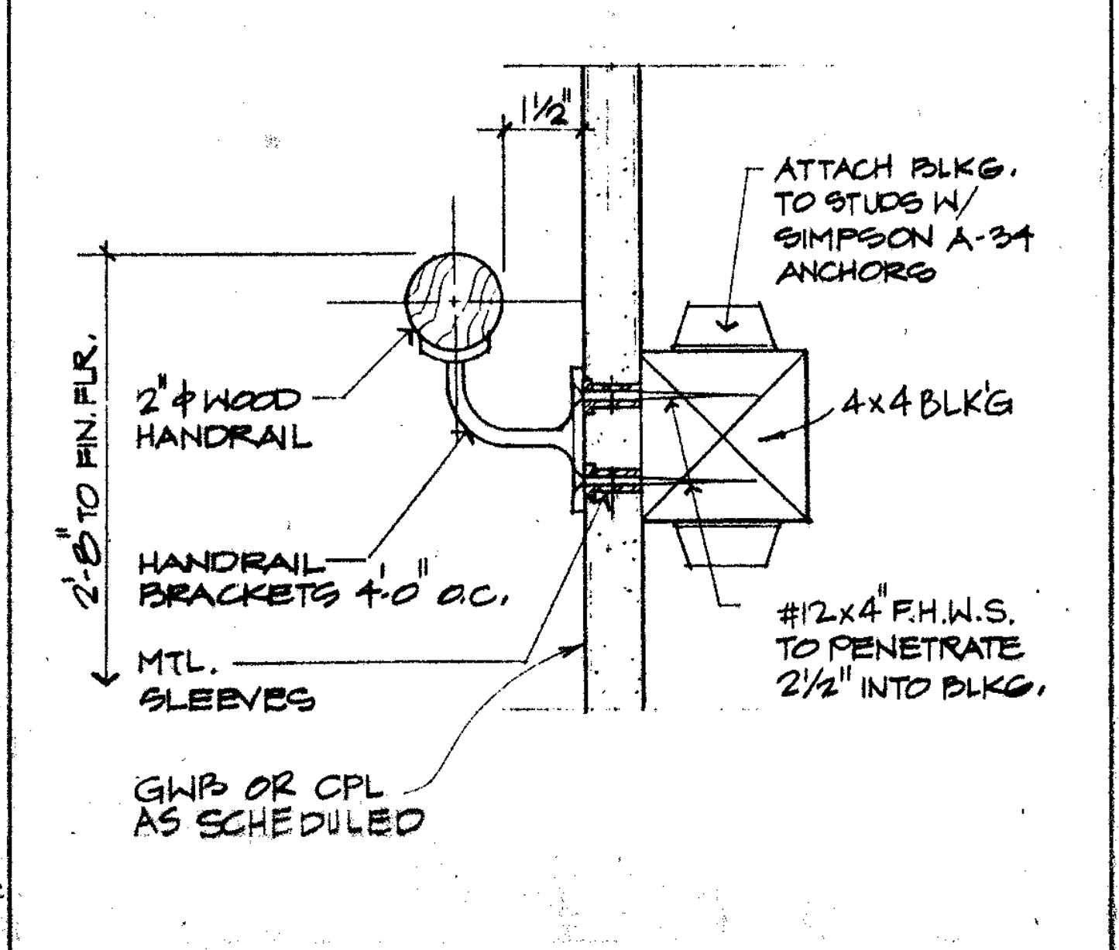
HANDICAPPED SIGN NTS **7**


FOR ADDITIONAL INFO. REFER TO 12/TD14
PLAN VIEW
1 1/2" CLR
2" Ø WOOD HANDRAIL
4'-0" O.C. MAX
12"
6"
ELEVATION
TREAD WIDTH
PROVIDE CONTRASTING 2" WIDE STRIP @ UPPER APPROACH & BOTTOM TREAD

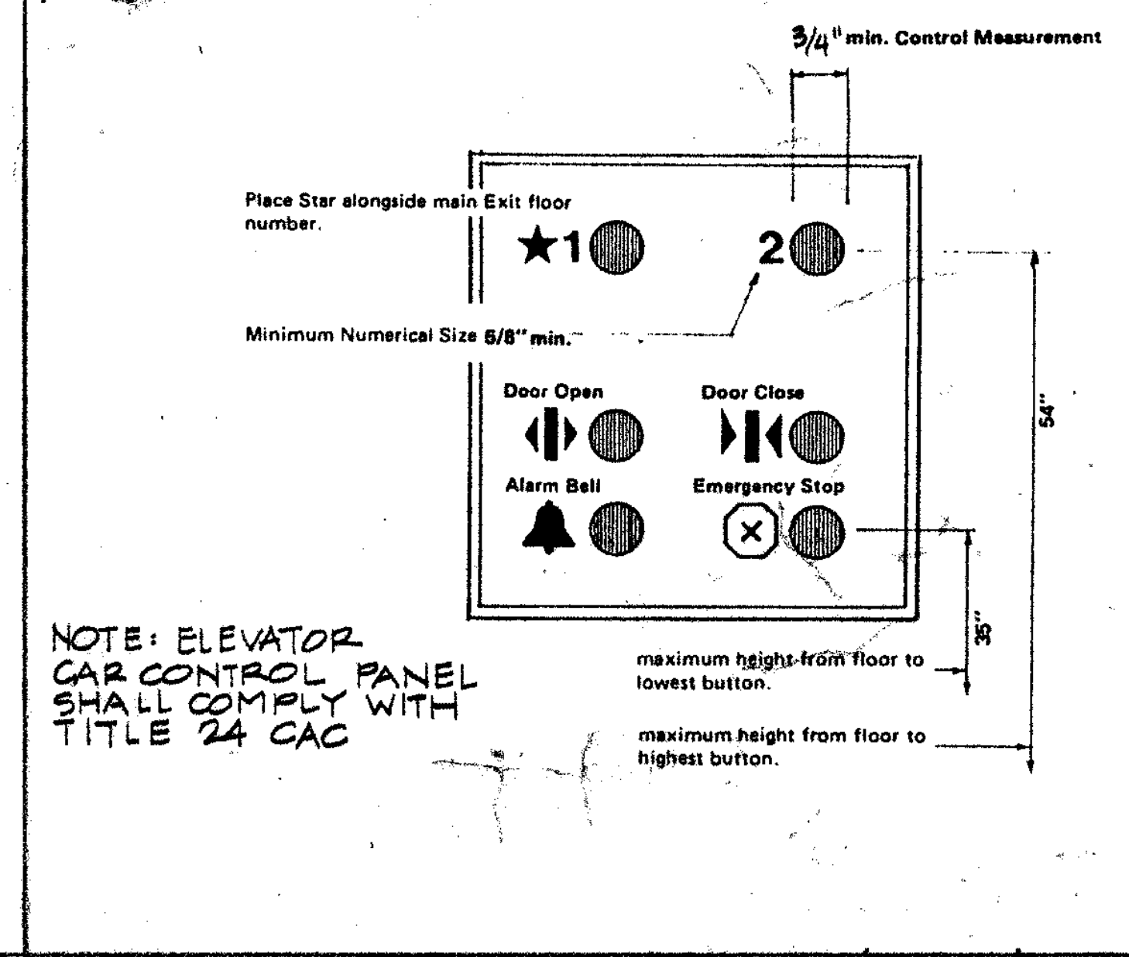
STAIR ELEVATION NTS **11**


1" TYP.
VARIES / SEE PLAN
1/2" RADIUS
1/2" RADIUS
VARIES SEE PLAN
FINISH FLOOR AS SCHEDULED
FOR ADDITIONAL INFO. REFER TO 2/TD21

STAIR DETAIL 3" **12**

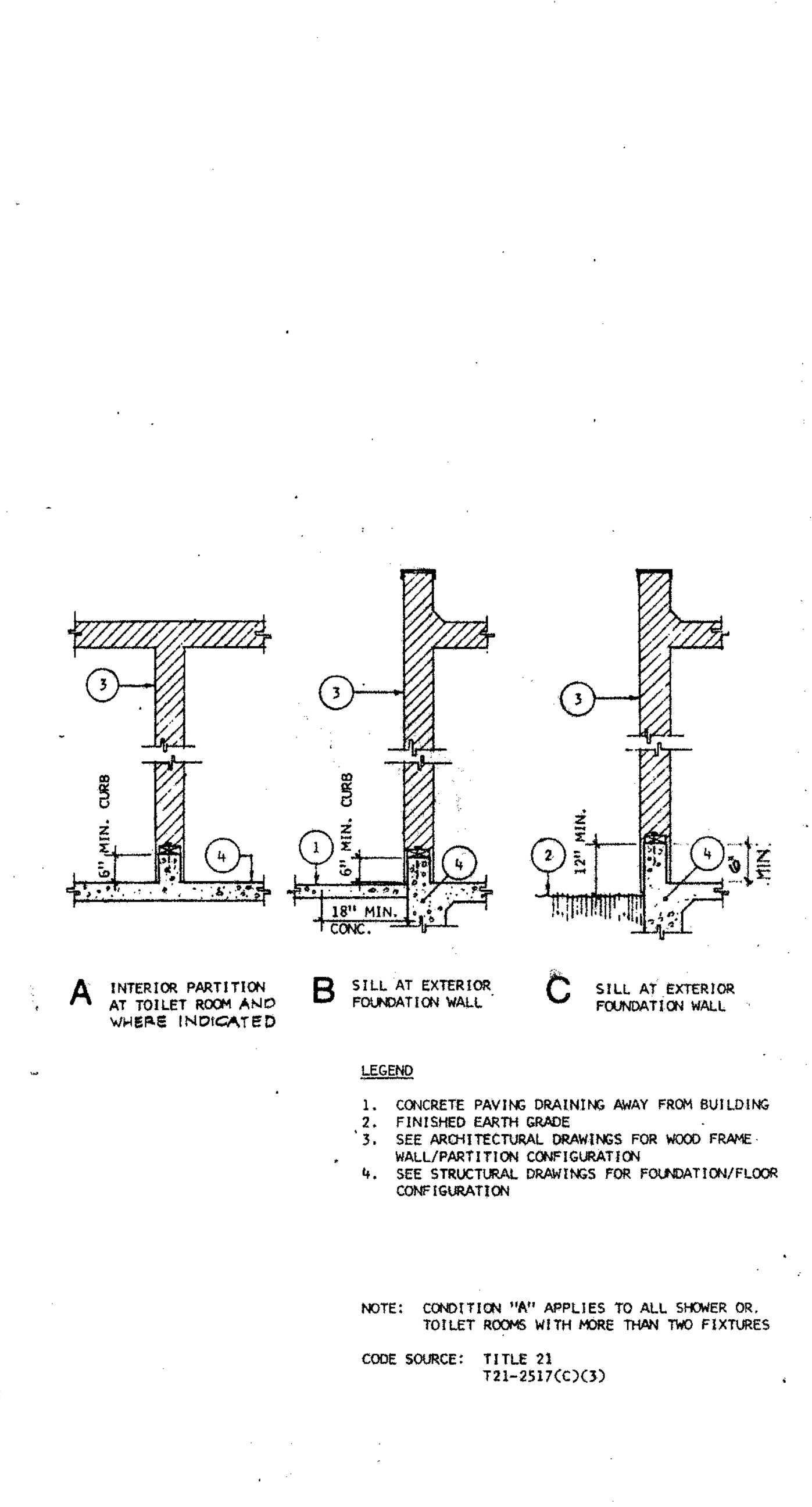

ATTACH BLKG. TO STUDS W/ SIMPSON A-34 ANCHORS
2" Ø WOOD HANDRAIL
4x4 BLKG
HANDRAIL BRACKETS 4'-0" O.C.
MTL. SLEEVES
#12x4" F.H.W.S. TO PENETRATE 2 1/2" INTO BLKG.
GWB OR CPL AS SCHEDULED
2'-6" TO FIN. FLR.

HANDRAIL 3" **13**


3/4" min. Control Measurement
Place Star alongside main Exit floor number.
★1
2
Minimum Numerical Size 5/8" min.
Door Open
Door Close
Alarm Bell
Emergency Stop
54"
35"
maximum height from floor to lowest button.
maximum height from floor to highest button.

NOTE: ELEVATOR CAR CONTROL PANEL SHALL COMPLY WITH TITLE 24 CAC

CONTROL PANEL NTS **14**


6" MIN. CURB
6" MIN. CURB
18" MIN. CONC.
12" MIN.
6" MIN.
1
2
4

A INTERIOR PARTITION AT TOILET ROOM AND WHERE INDICATED

B SILL AT EXTERIOR FOUNDATION WALL

C SILL AT EXTERIOR FOUNDATION WALL

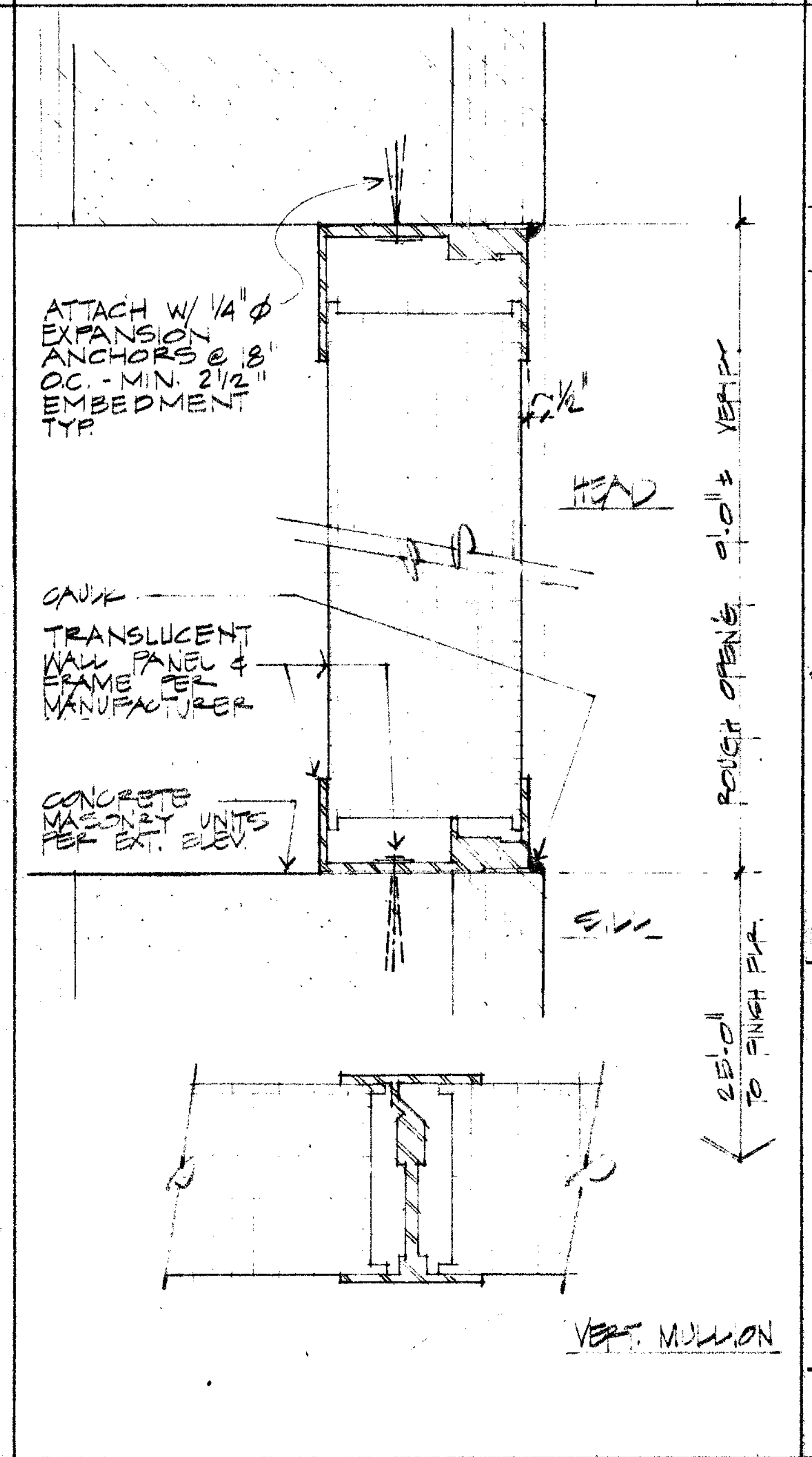
LEGEND

1. CONCRETE PAVING DRAINING AWAY FROM BUILDING
2. FINISHED EARTH GRADE
3. SEE ARCHITECTURAL DRAWINGS FOR WOOD FRAME WALL/PARTITION CONFIGURATION
4. SEE STRUCTURAL DRAWINGS FOR FOUNDATION/FLOOR CONFIGURATION

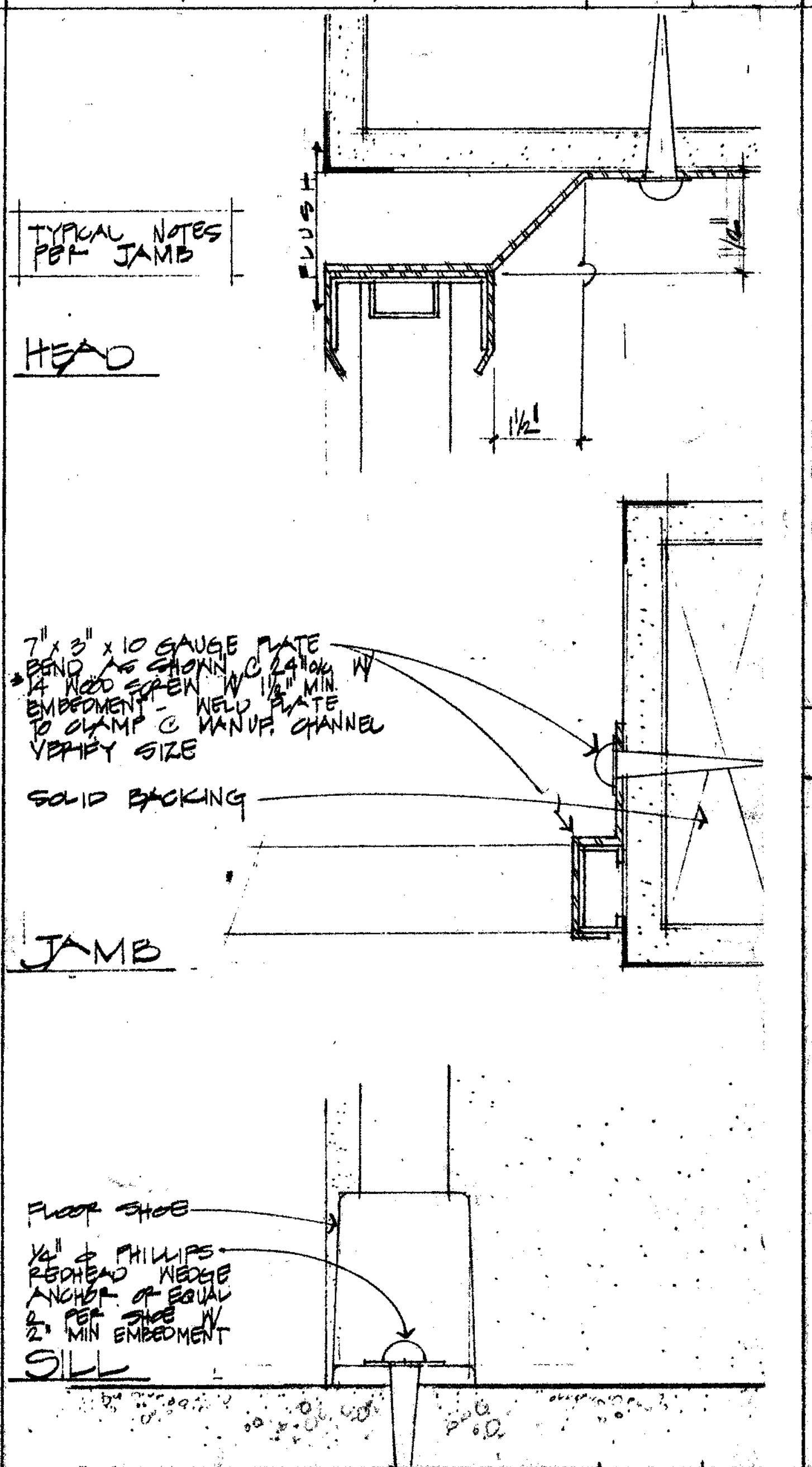
NOTE: CONDITION "A" APPLIES TO ALL SHOWER OR TOILET ROOMS WITH MORE THAN TWO FIXTURES

CODE SOURCE: TITLE 21
T21-2517(C)(3)

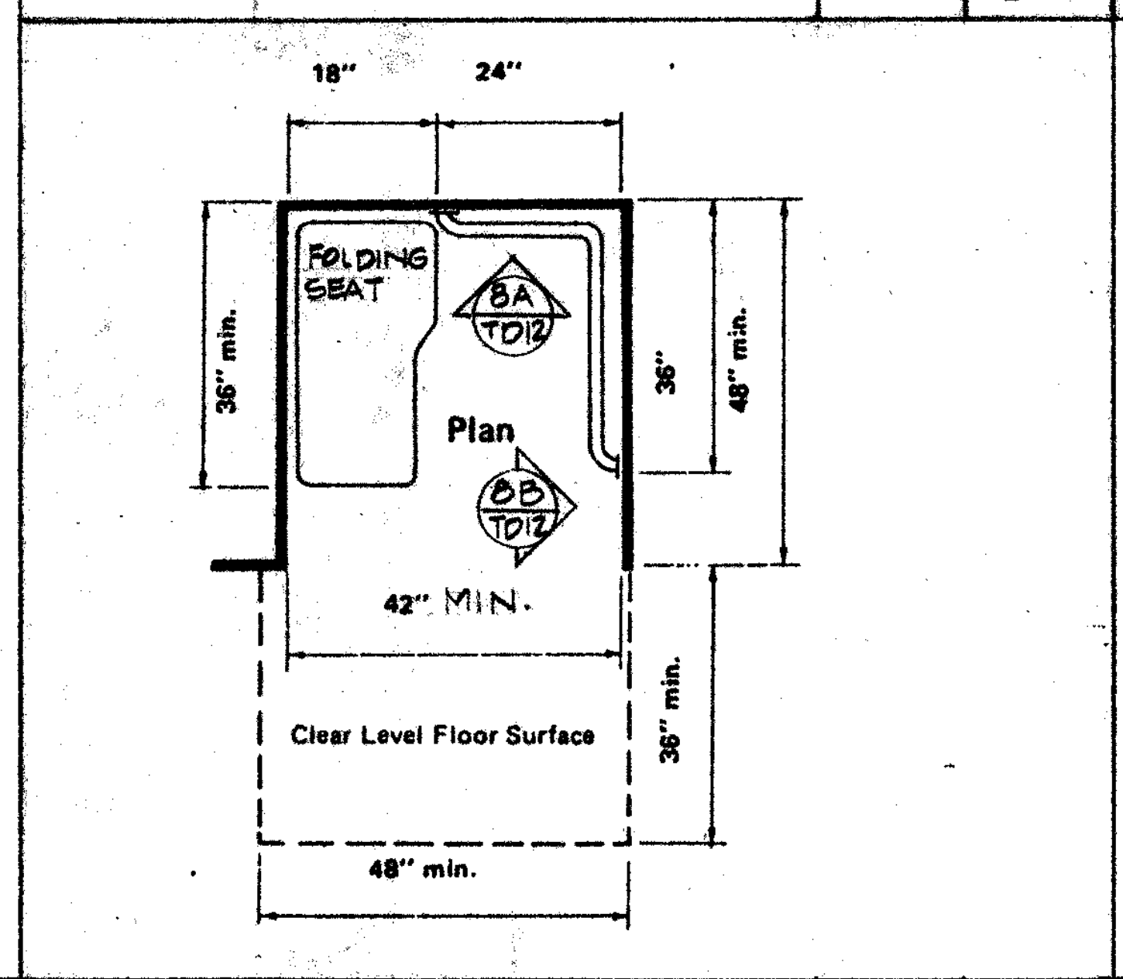
CONCRETE CURBS NTS **15**


ATTACH W/ 1/4" Ø EXPANSION ANCHORS @ 8" OC. - MIN. 2 1/2" EMBEDMENT TYP
CAULK
TRANSLUCENT WALL PANEL & FRAME PER MANUFACTURER
CONCRETE MASONRY UNITS PER EXT. ELEV.
HEAD
SILL
ROUGH OPENING 8'-0" VERIFY
VERT. MULLION

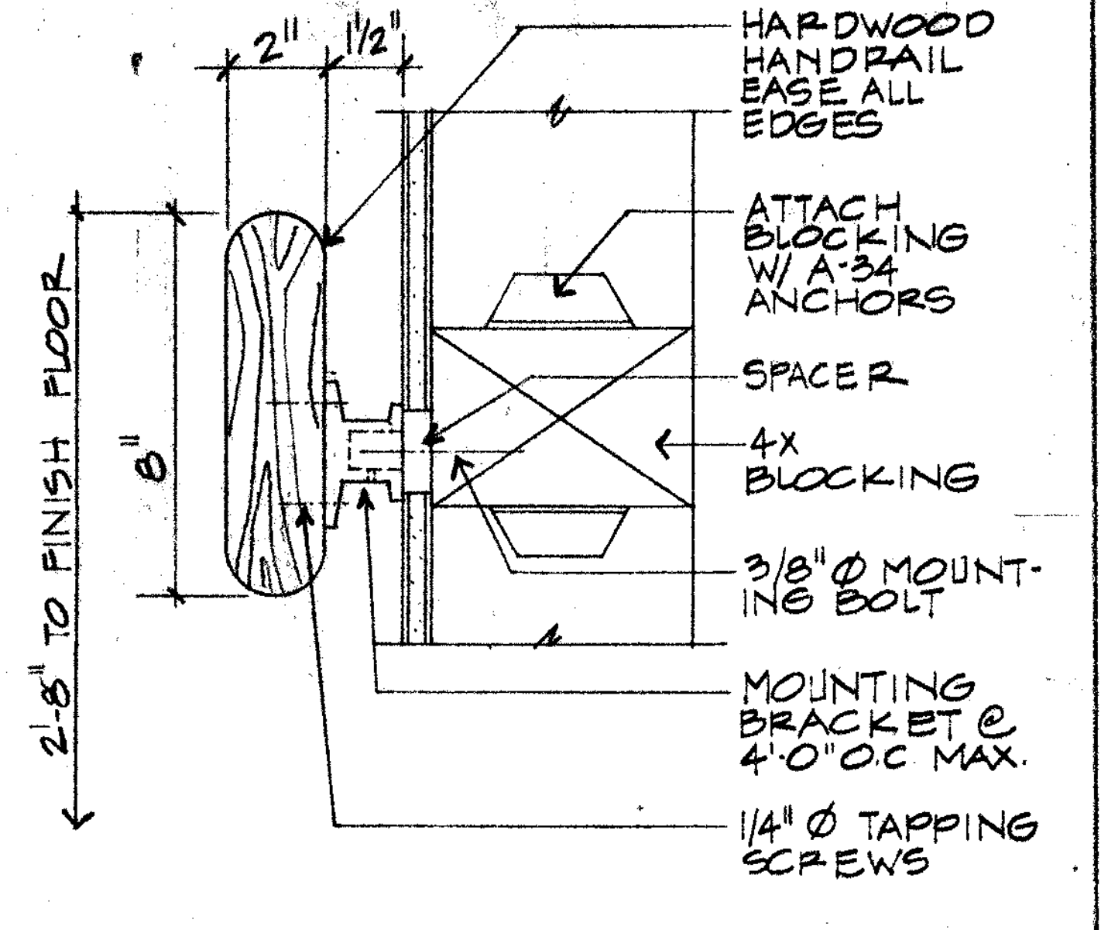
WALL PANEL DETAIL 6" **16**


TYPICAL NOTES PER JAMB
HEAD
SOLID BACKING
JAMB
FLOOR SHOE
SILL

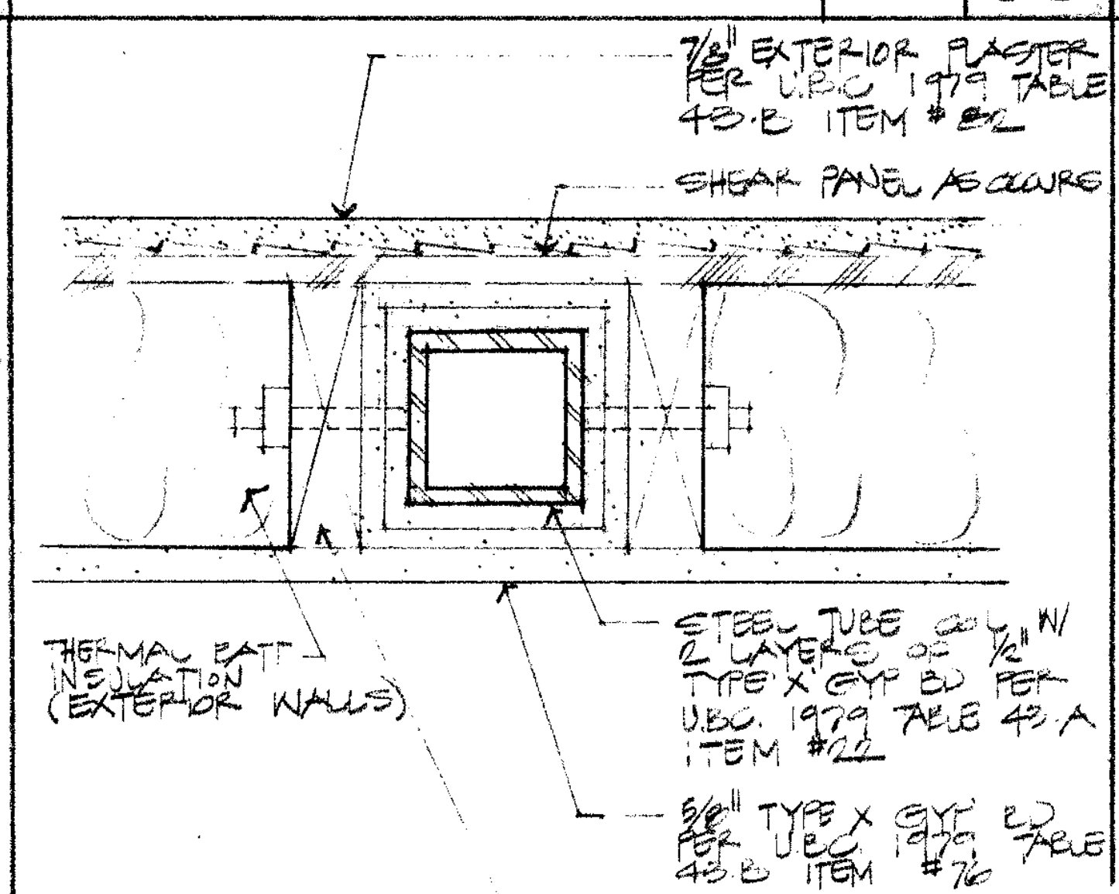
WIRE MESH PARTITION 6" **17**


18"
24"
FOLDING SEAT
8A/TD12
Plan
8B/TD12
36" min.
36"
48" min.
42" MIN.
30" min.
Clear Level Floor Surface
48" min.

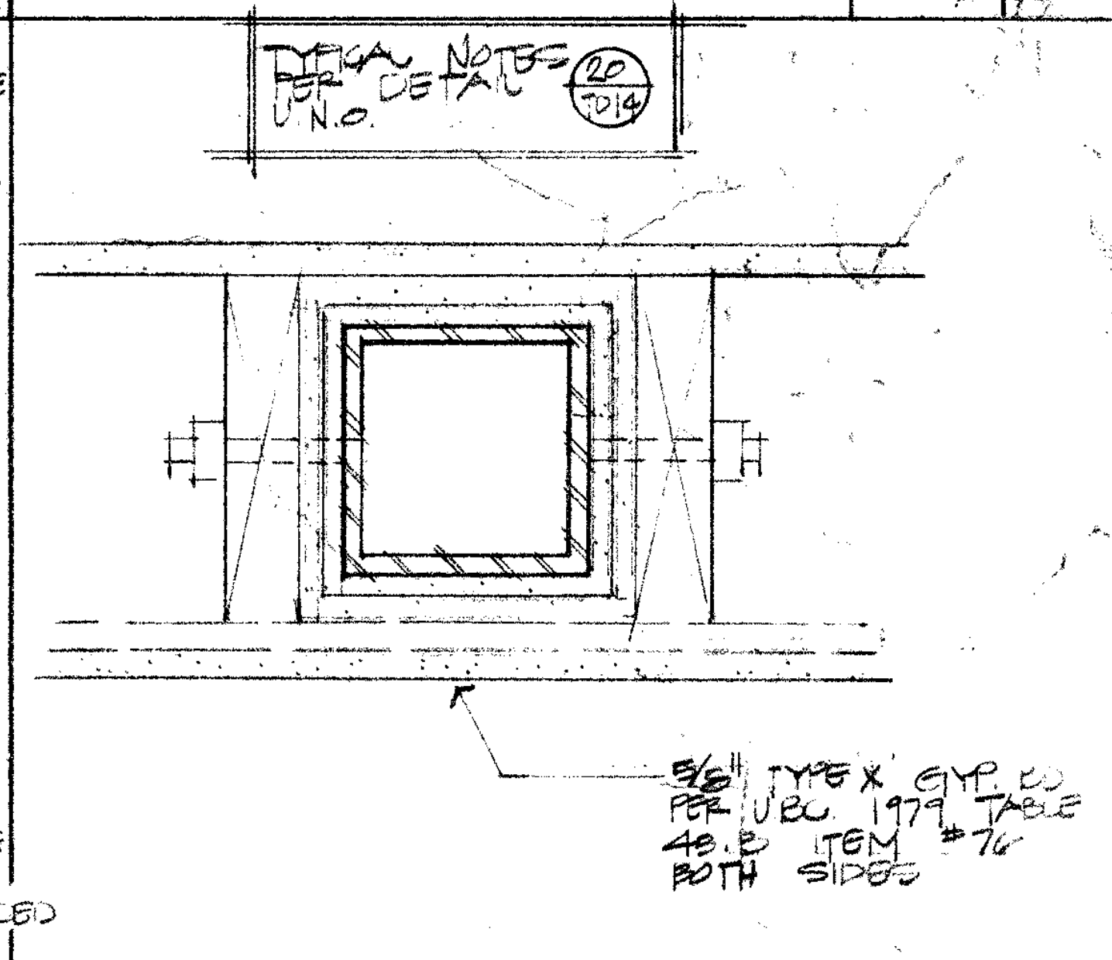
SHOWER PLAN NTS **18**


2"
1 1/2"
HARDWOOD HANDRAIL EASE ALL EDGES
ATTACH BLOCKING W/ A-34 ANCHORS
SPACER
4x BLOCKING
3/8" Ø MOUNTING BOLT
MOUNTING BRACKET @ 4'-0" O.C. MAX.
1/4" Ø TAPPING SCREWS
8"
2'-6" TO FINISH FLOOR

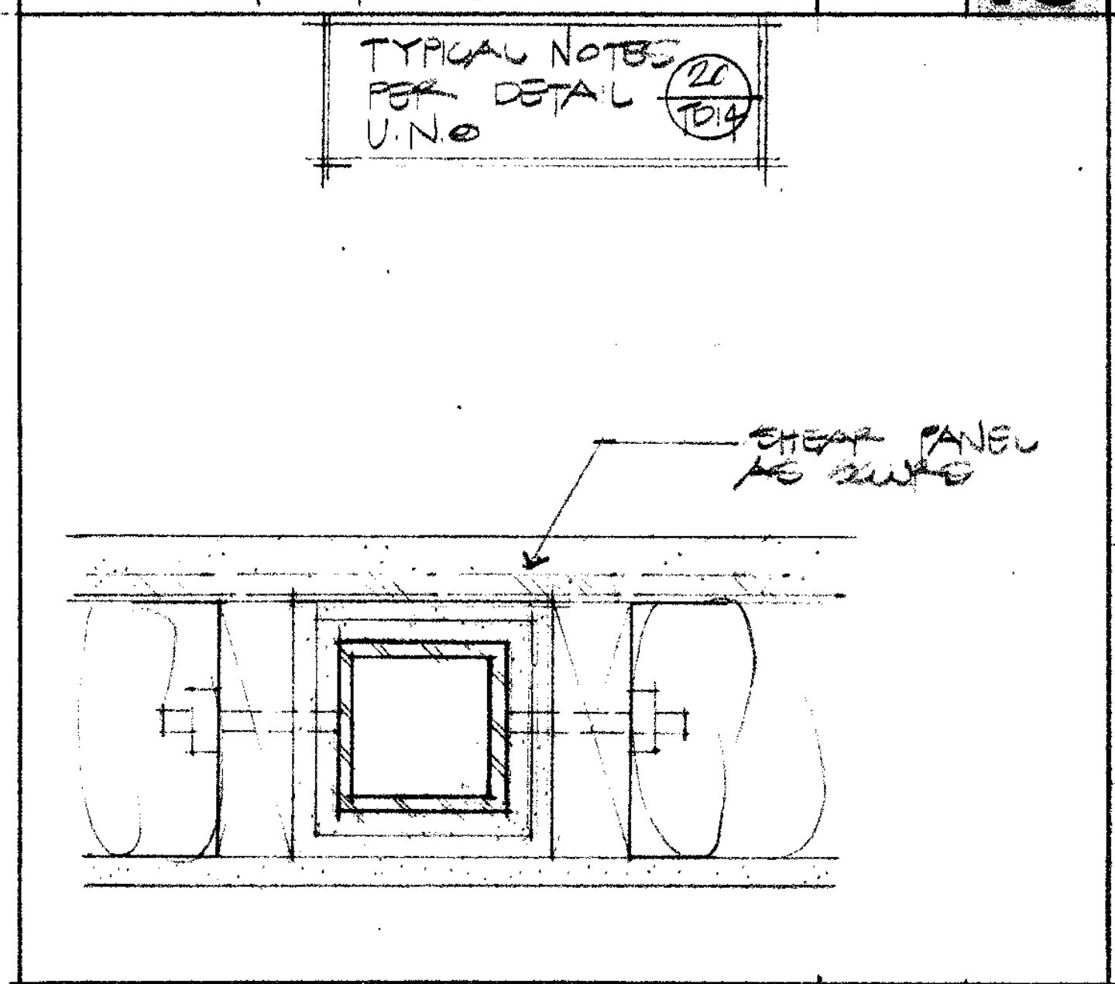
HANDRAIL 3" **19**


7/8" EXTERIOR PLASTER PER UBC 1979 TABLE 43-B ITEM # 8L
SHEAR PANEL AS OCCURS
THERMAL BATT INSULATION (EXTERIOR WALLS)
STEEL TUBE COL. W/ 2 LAYERS OF 5/8" TYPE X GYP BD PER UBC 1979 TABLE 43-A ITEM #2

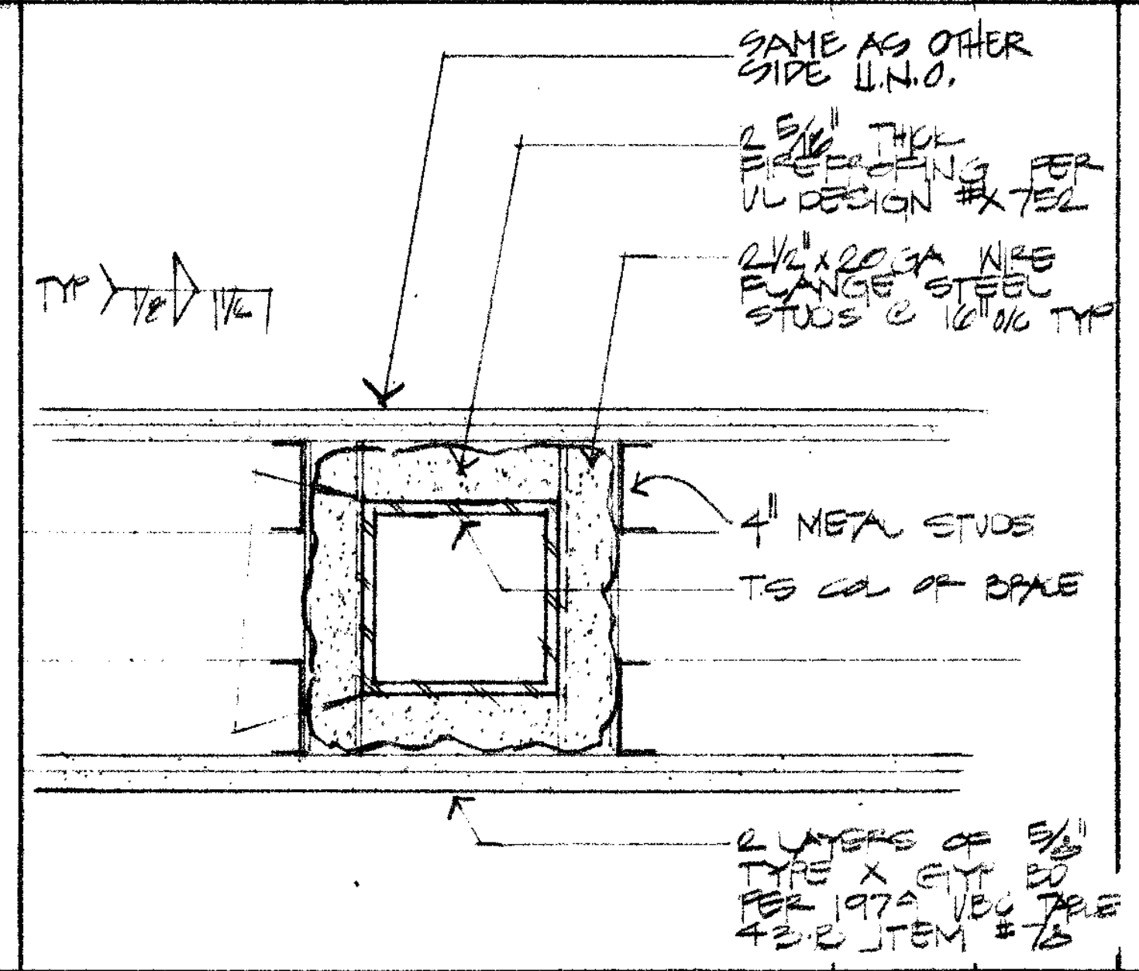
1-HR COL. PROTECTION (EXTERIOR WALLS) 6" **20**


TYPICAL NOTES PER DETAIL 20/TD14 U.N.O.
5/8" TYPE X GYP BD PER UBC 1979 TABLE 43-B ITEM #16 BOTH SIDES

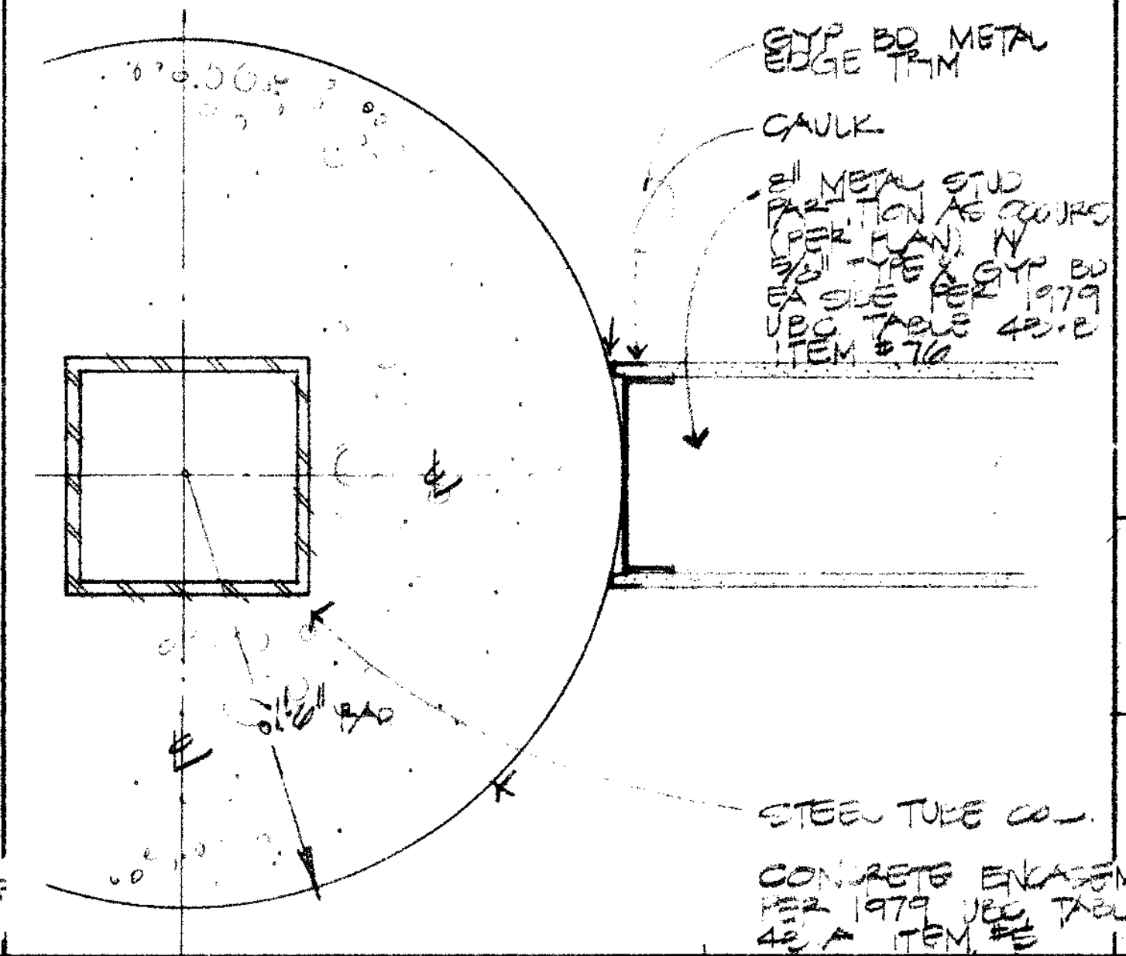
1-HR COL. PROTECTION (INTERIOR WALLS) 6" **21**


TYPICAL NOTES PER DETAIL 20/TD14 U.N.O.
SHEAR PANEL AS OCCURS

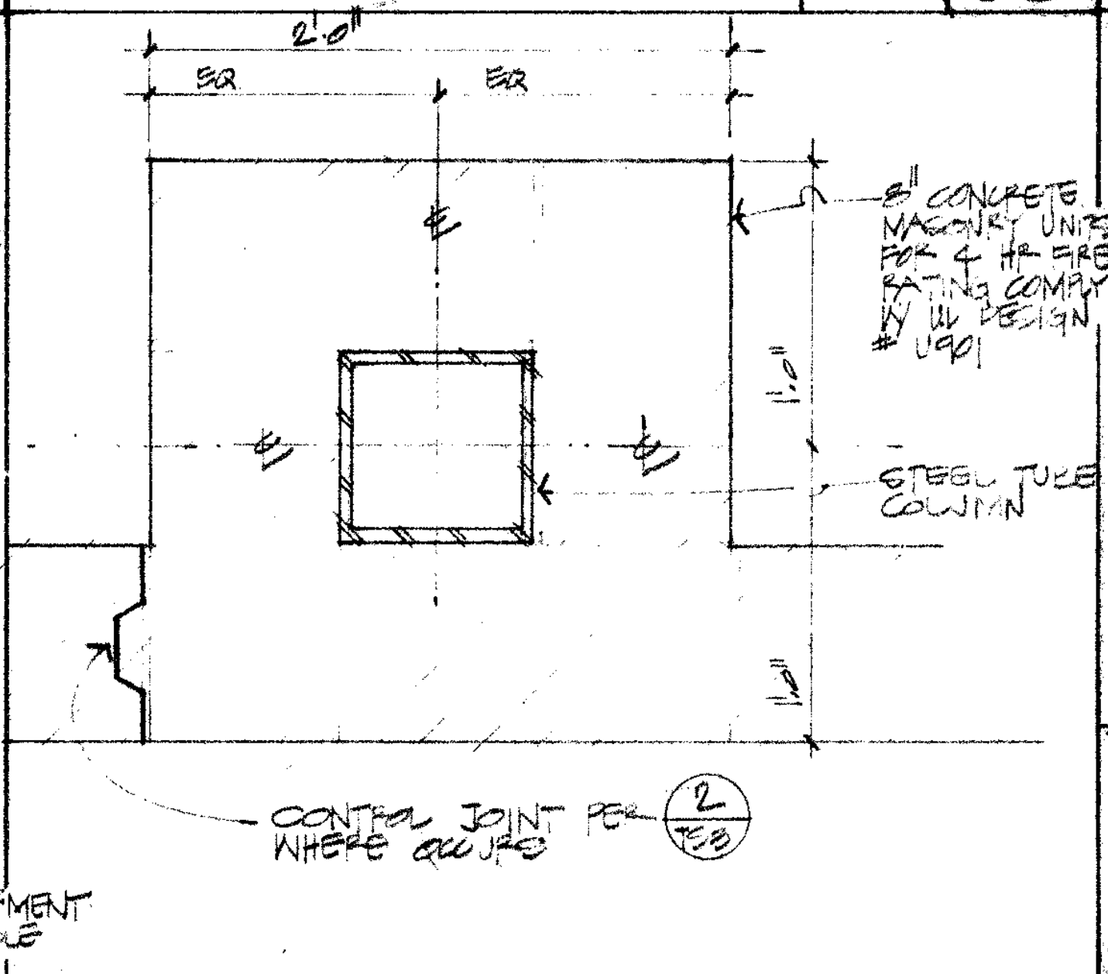
1-HR COL. PROTECTION (EXTERIOR WALLS) 6" **22**


SAME AS OTHER SIDE U.N.O.
4" METAL STUDS
TS COL. PER STRUCT.
2 LAYERS OF 5/8" TYPE X GYP BD PER 1979 UBC TABLE 43-A ITEM 4

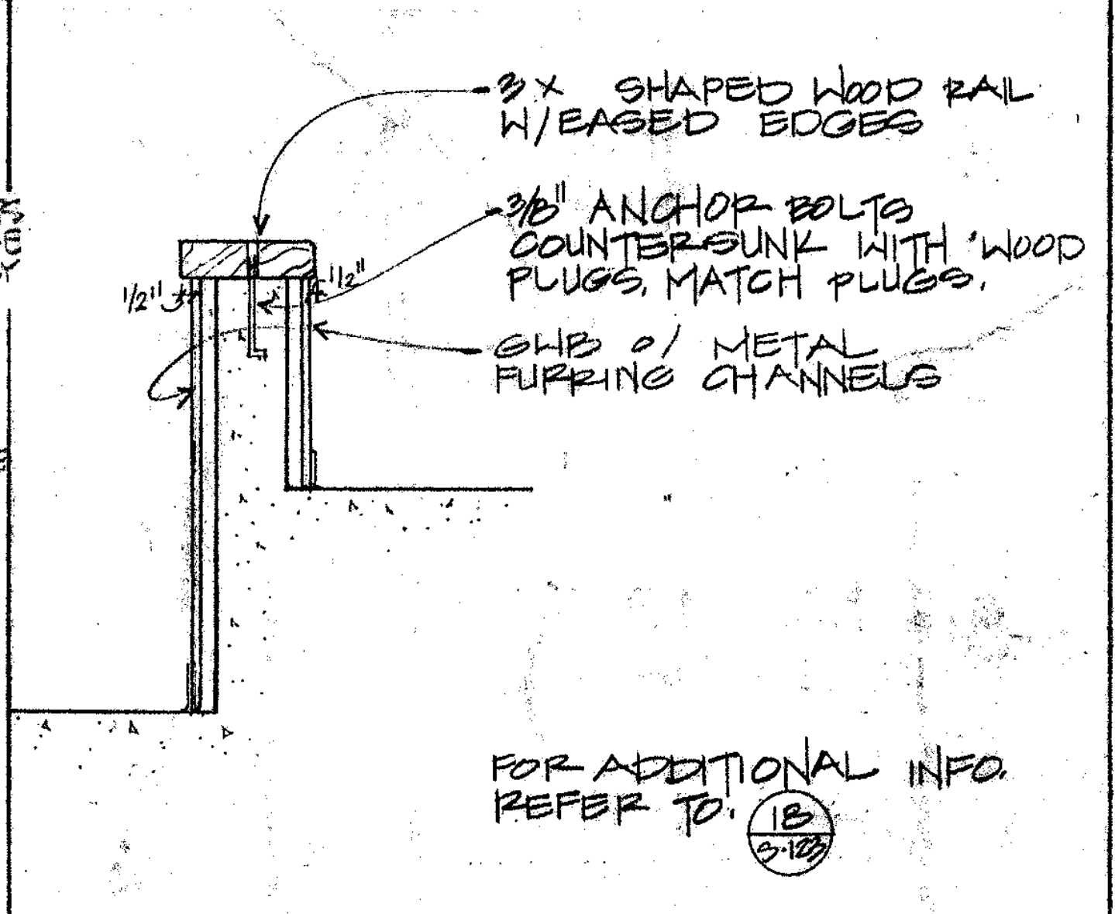
2-HR COL. PROTECTION (INTERIOR WALLS) 1 1/2" **23**


GYP BD TRIM
CAULK
STEEL TUBE COL.
CONCRETE ENCASEMENT PER 1979 UBC TABLE 43-A ITEM

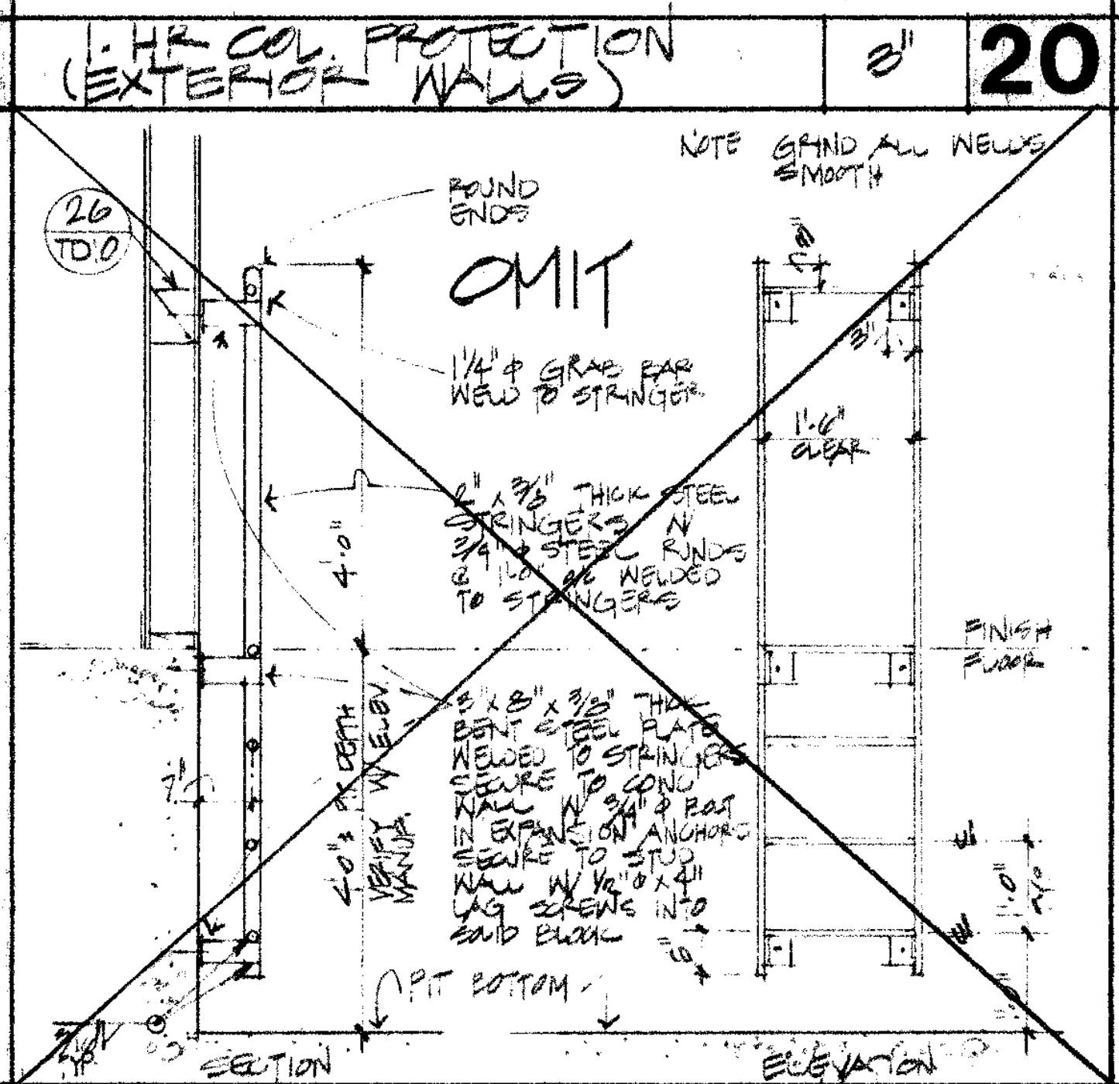
2-HR COL. PROTECTION @ INTERIOR WALL 6" **24**


8" CONCRETE MASONRY UNITS
STEEL TUBE COLUMN
CONTROL JOINT PER 2/TD12 WHERE OCCURS

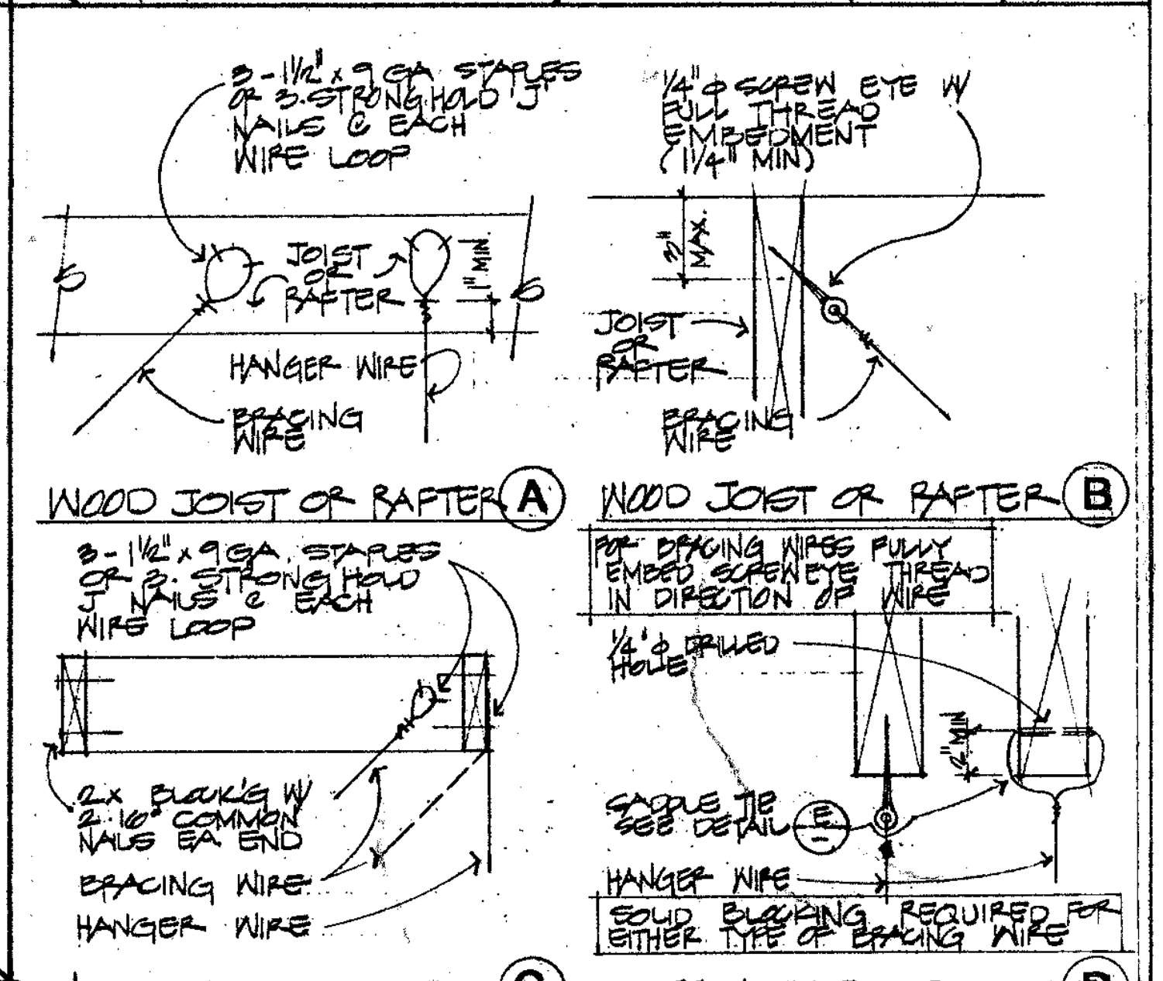
4-HR PLASTER PROTECTION (EXTERIOR & INTERIOR WALL) 1 1/2" **25**

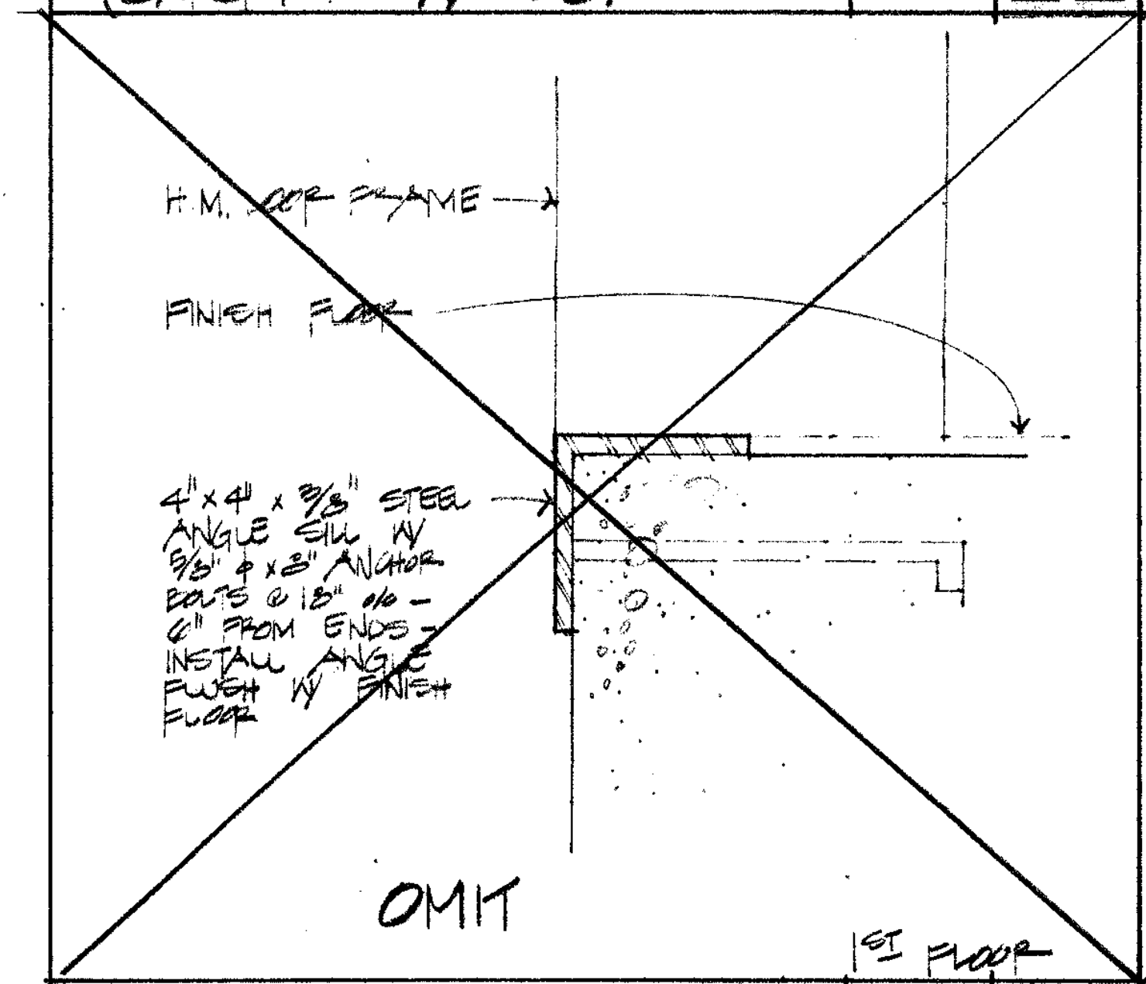

3x SHAPED WOOD RAIL W/ EASED EDGES
3/8" ANCHOR BOLTS COUNTERSUNK WITH WOOD PLUGS, MATCH PLUGS.
GWB O/ METAL FURRING CHANNELS
FOR ADDITIONAL INFO. REFER TO 13/TD14

H.C. ALCOVE SECTION 3/4" **26**

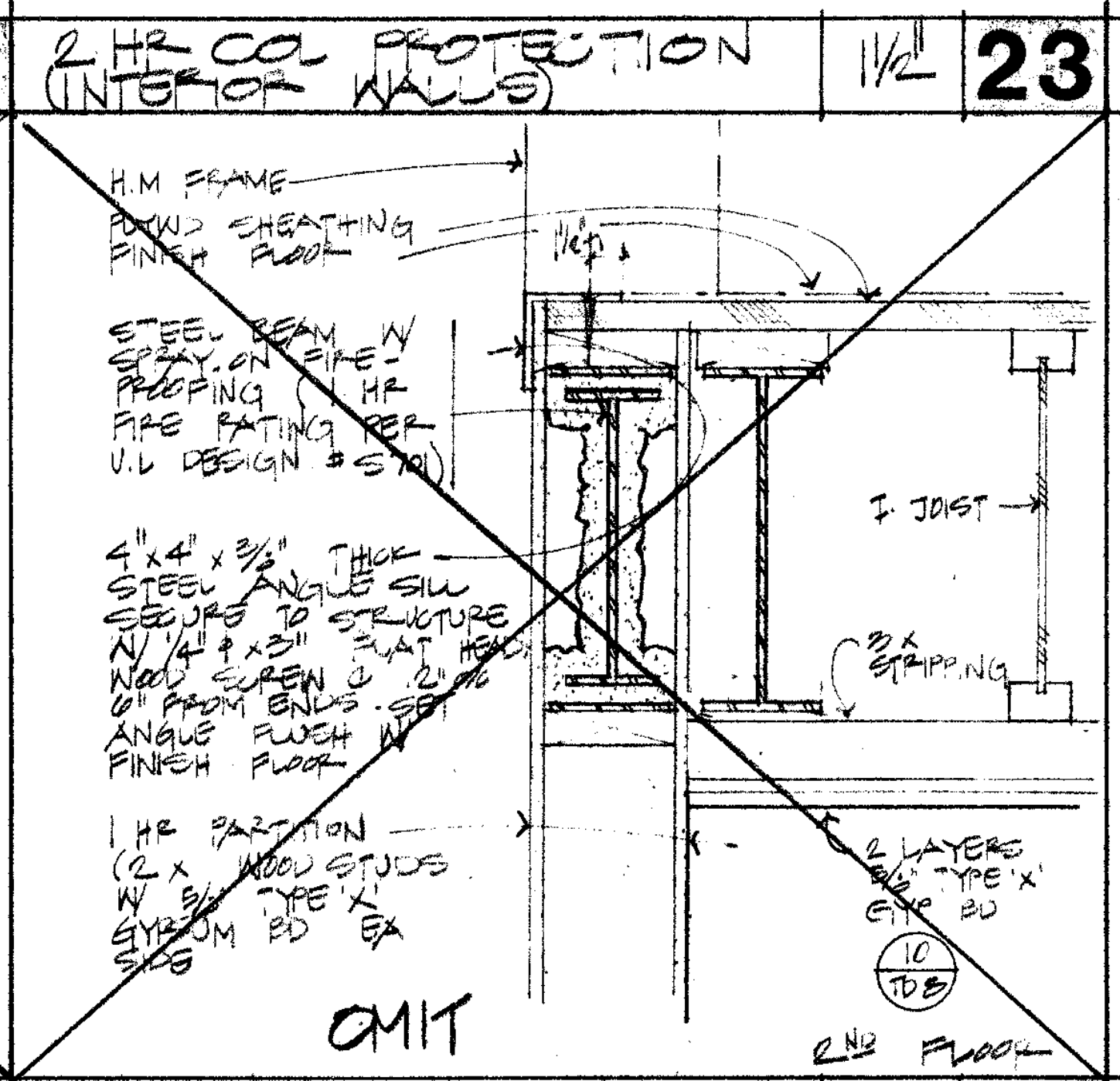

OMIT
SECTION
ELEVATION

ELEVATOR PIT LADDER 1/2" **27**

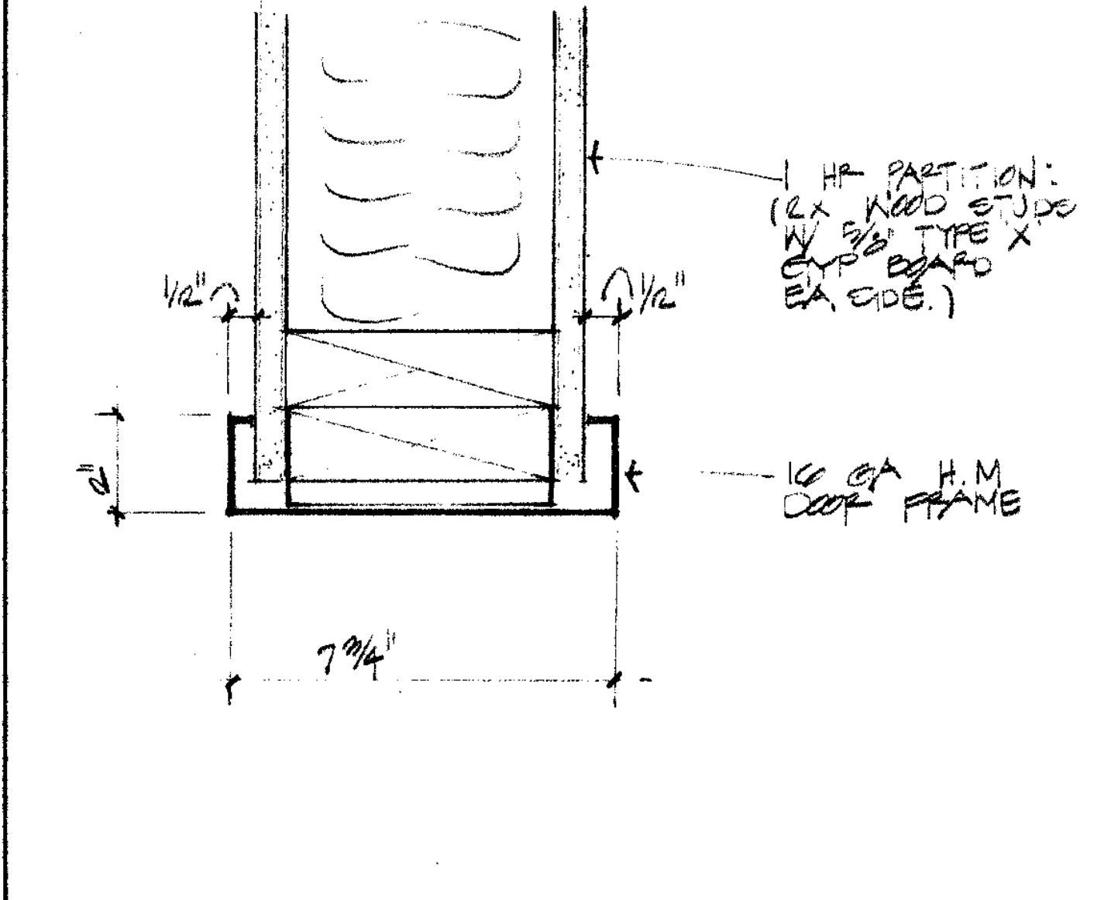

WOOD JOIST OR RAFTER A
WOOD JOIST OR RAFTER B
HANGER WIRE
BRACING WIRE
WOOD JOIST OR BLOCK C
BOTTOM OF JOIST D


H.M. DOOR FRAME
FINISH FLOOR
OMIT
1ST FLOOR

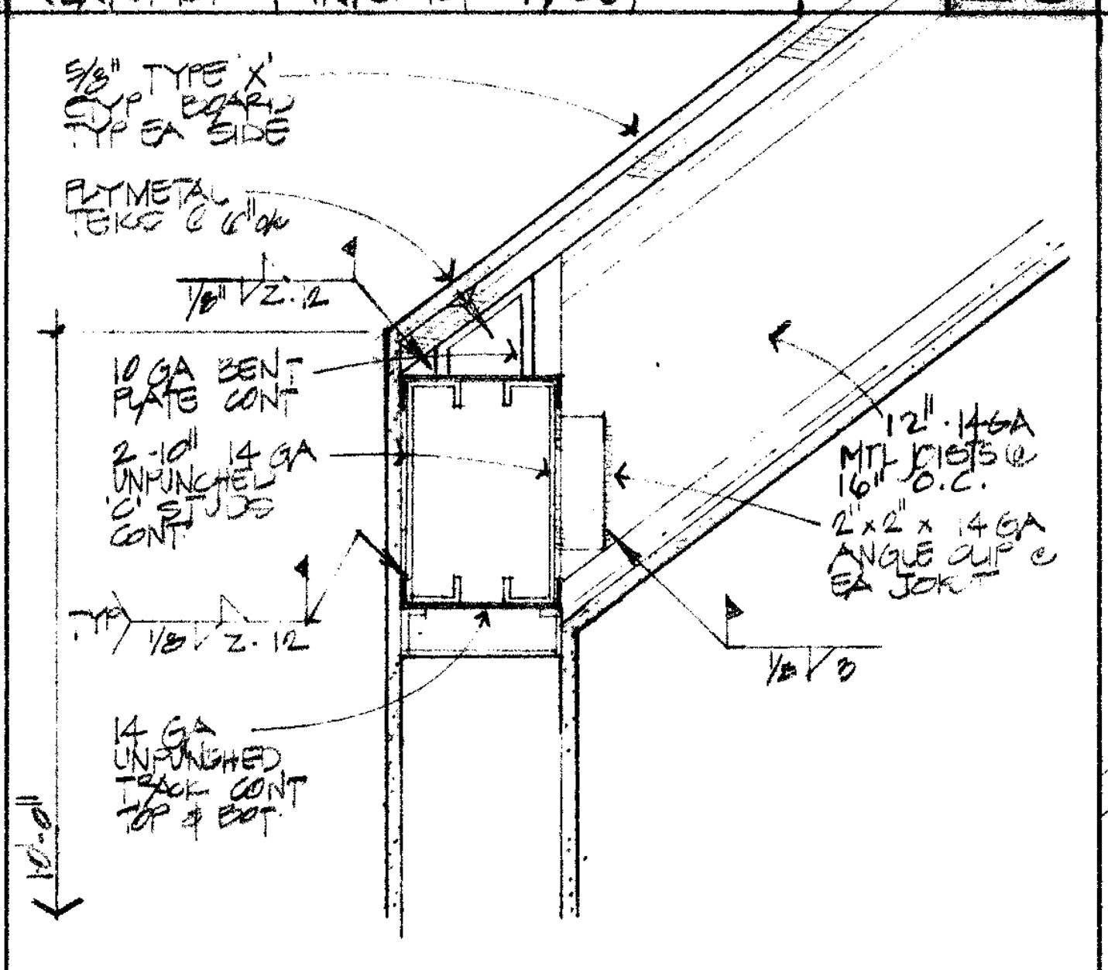
SILL @ ELEVATOR DR 6" **29**


H.M. FRAME
OMIT
2ND FLOOR

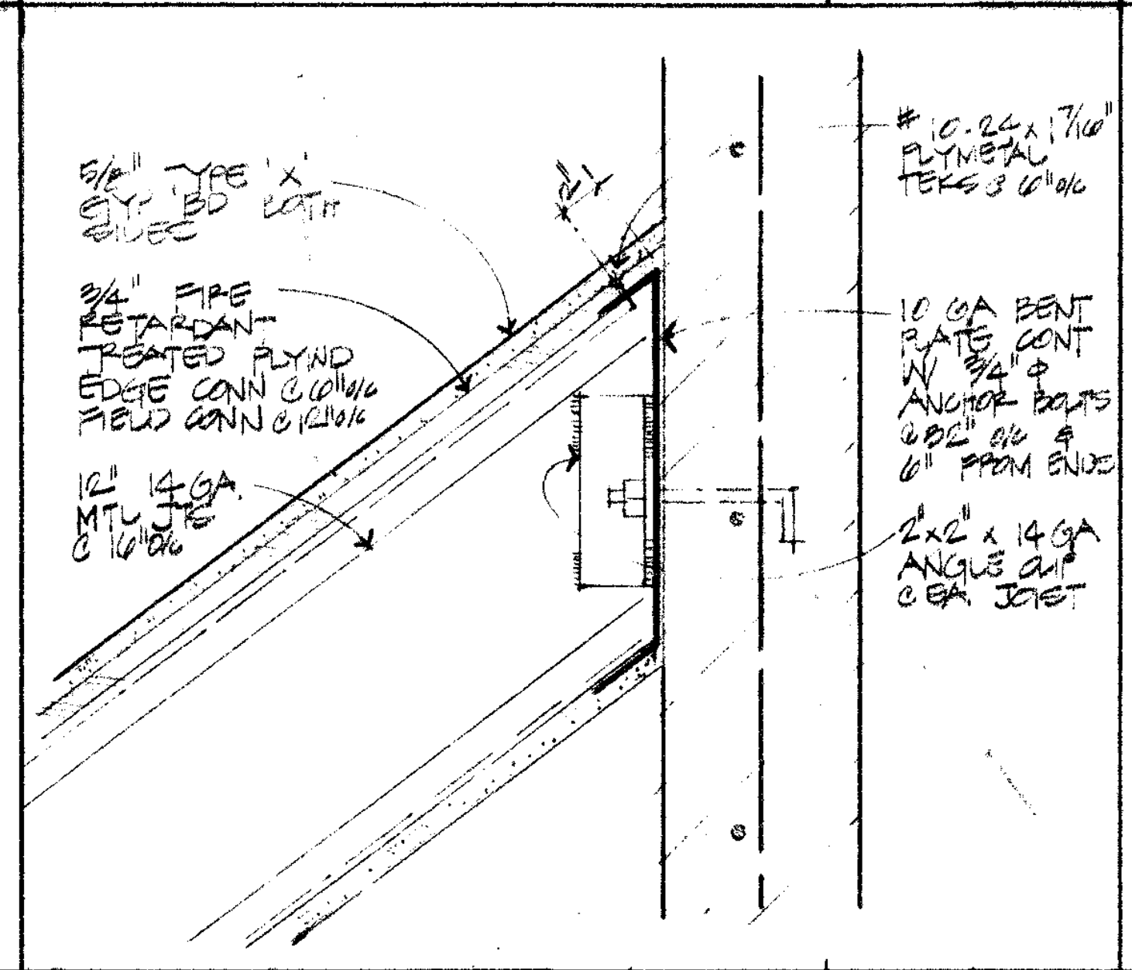
SILL @ ELEVATOR DR 1 1/2" **30**


1 HR PARTITION
16 GA H.M. DOOR FRAME
7 3/4"
(HEAD SIM)

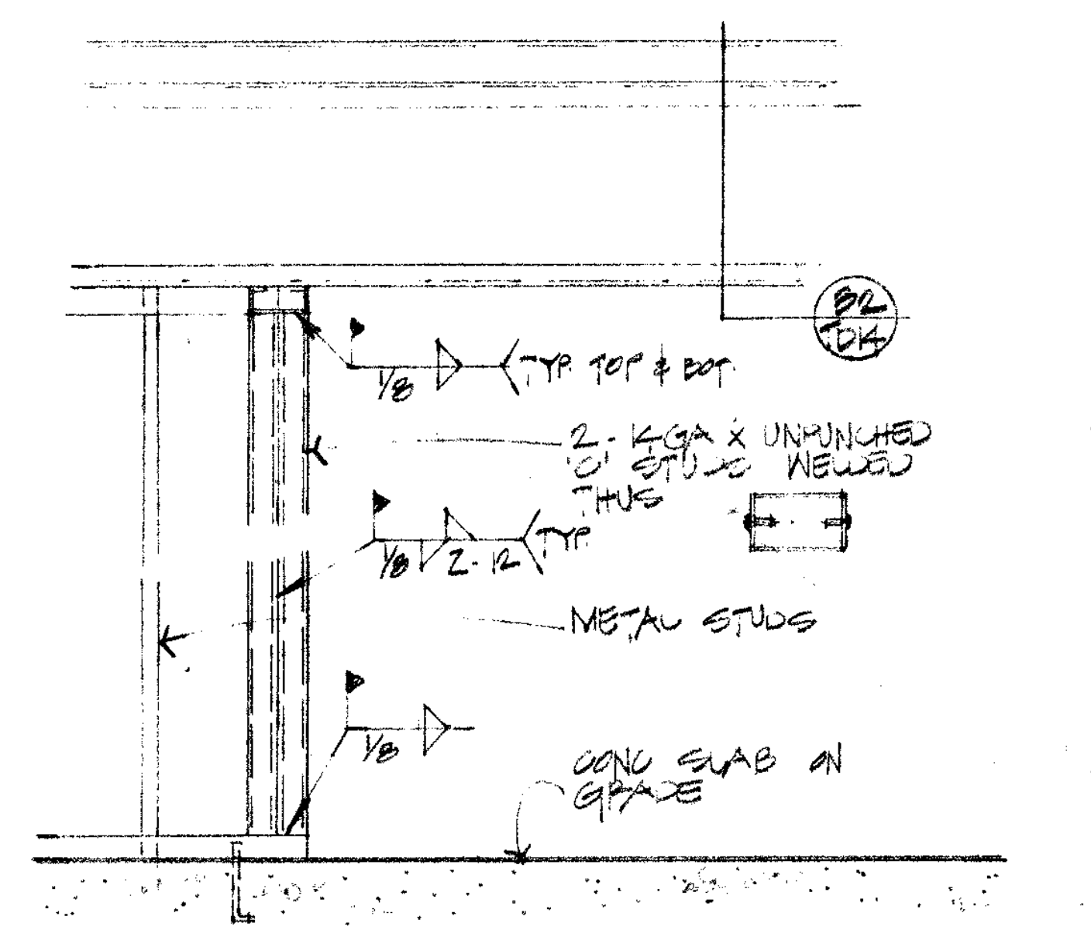
JAMB @ ELEVATOR **31**


5/8" TYPE X GYP BD
16 GA BENT PLATE CONT.

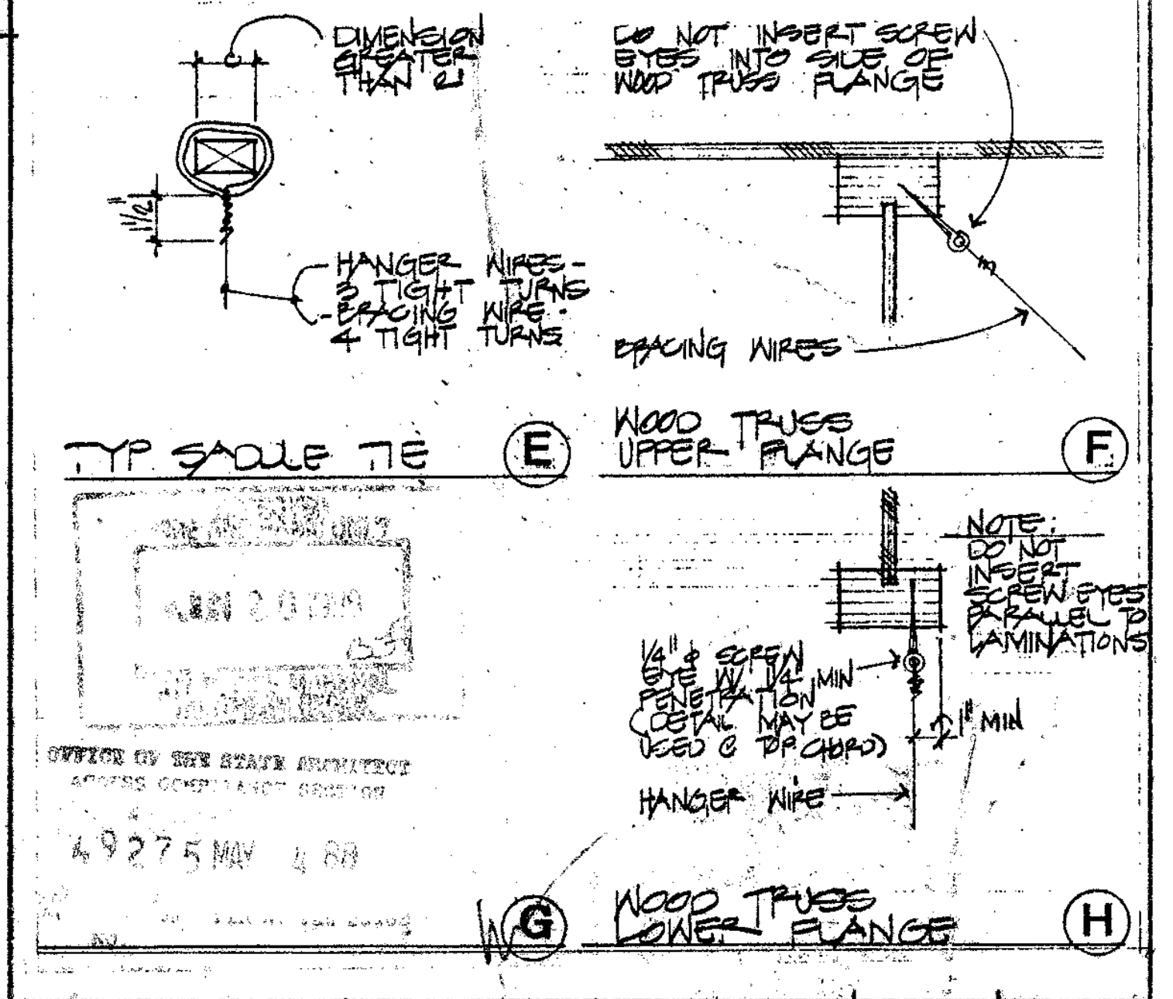
CEILING DETAIL 1 1/2" **32**



LEDGER DETAIL 1 1/2" **33**


TYP TOP & BOT
METAL STUDS
CONC SLAB ON GRADE

FRAMING ELEVATION NTS **34**


HANGER WIRES
BRACING WIRES
TYP SADDLE TIE E
WOOD TRUSS UPPER FLANGE F
WOOD TRUSS LOWER FLANGE G
H

W/S CONNECTIONS TO WOOD FRAMING NTS **35**

Drawn By
Checked By
Date MARCH 1988
Commission No. 13005

Revisions
BID JANUARY 1991

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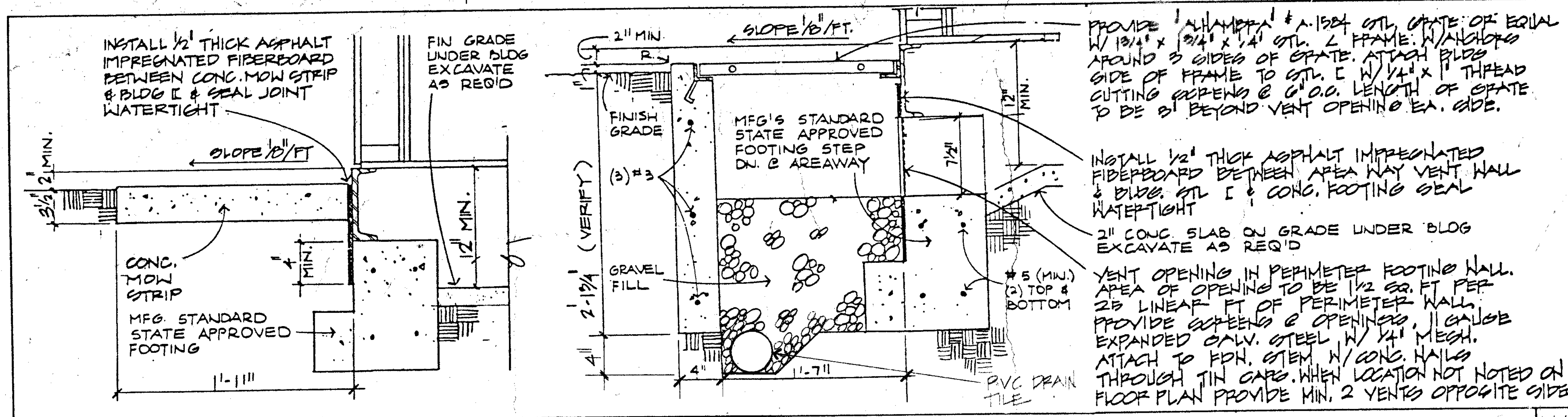
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

TYPICAL DETAILS

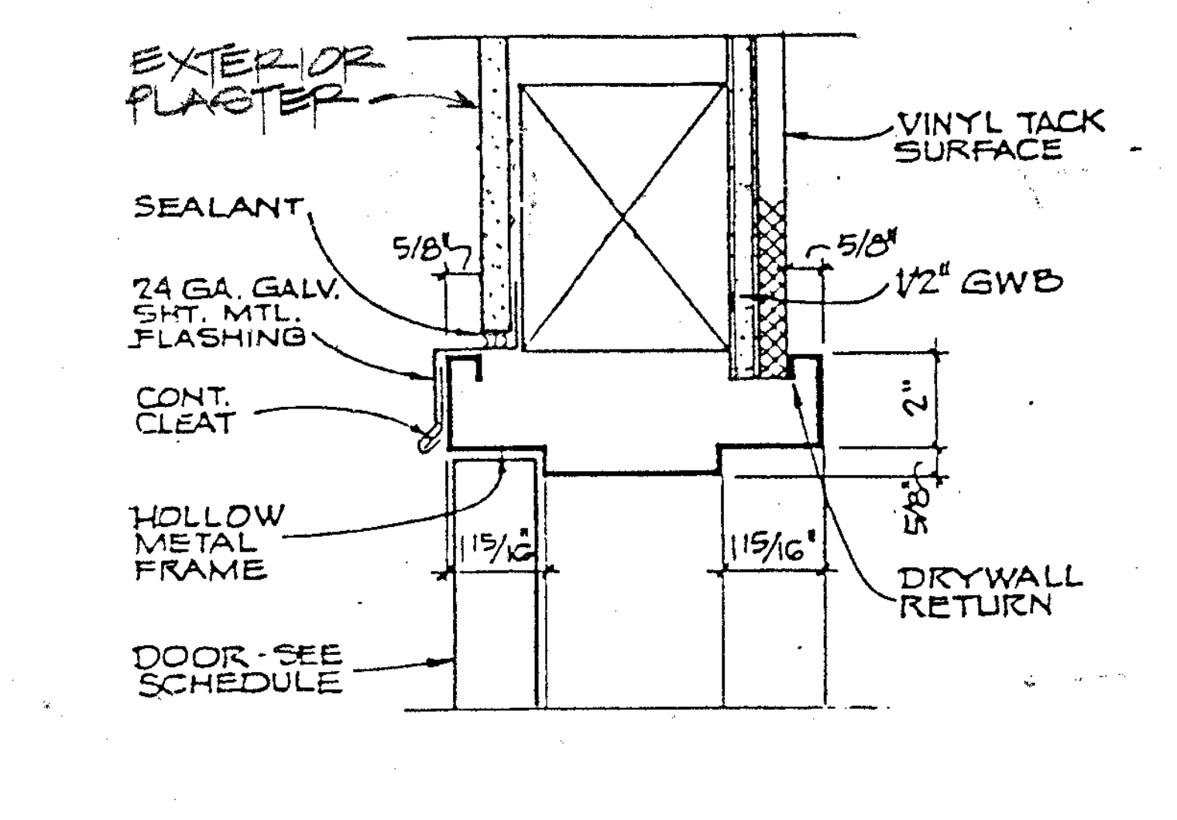
Sheet Number
TD-14
91 of Sheets

INCREMENT 2

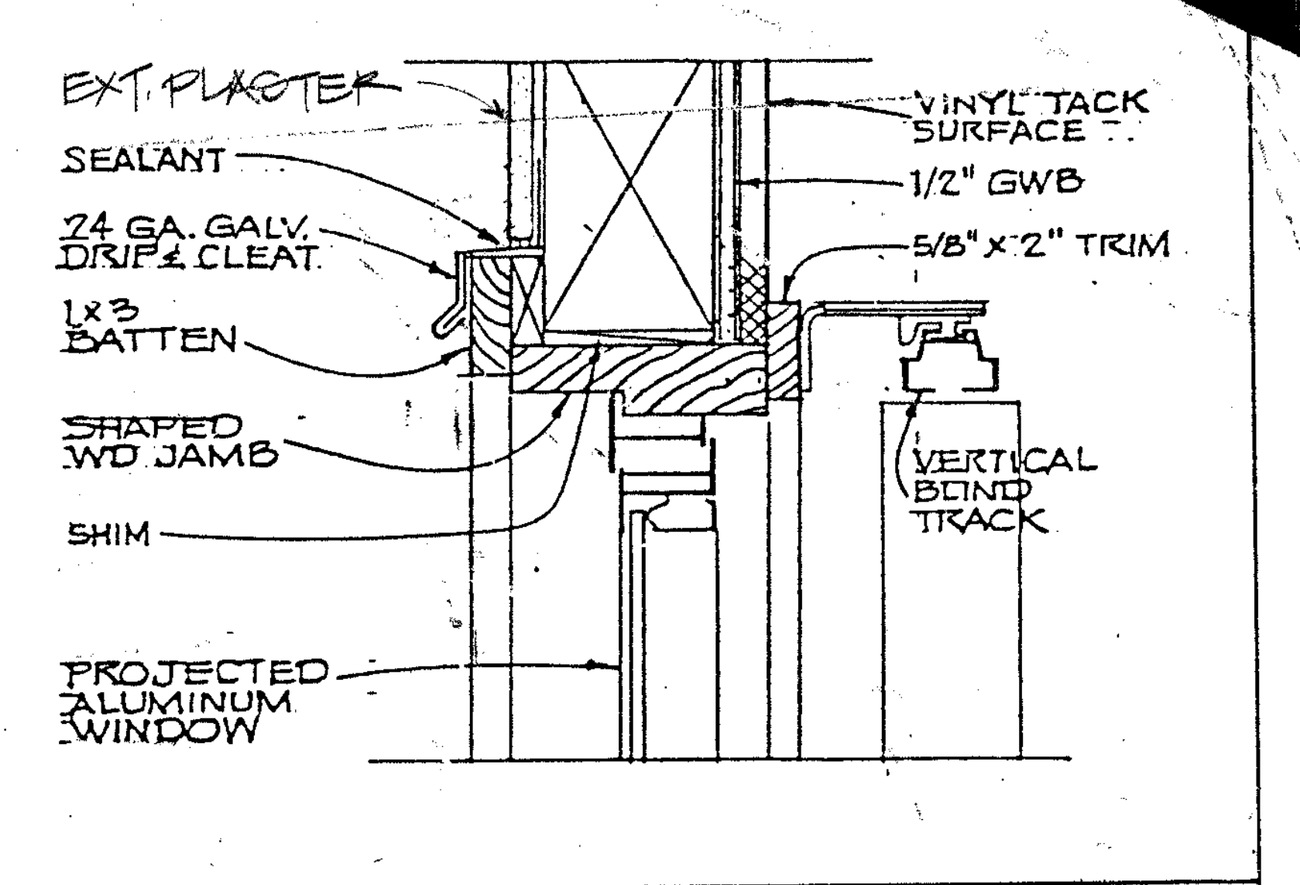

INSTALL 1/2" THICK ASPHALT IMPREGNATED FIBERBOARD BETWEEN CONC. MOW STRIP & BLDG ℄ & SEAL JOINT WATERTIGHT
FIN GRADE UNDER BLDG EXCAVATE AS REQ'D
SLOPE 1/8"/FT
2" MIN.
3 1/2"
12" MIN.
4" MIN.
CONC. MOW STRIP
MFG. STANDARD STATE APPROVED FOOTING
1'-11"
2" MIN.
SLOPE 1/8"/FT.
R.
FINISH GRADE
(3) #3
2'-1 3/4" (VERIFY)
4"
GRAVEL FILL
MFG'S STANDARD STATE APPROVED FOOTING STEP DN. @ AREAWAY
12" MIN.
7 1/2"
#5 (MIN.) (2) TOP & BOTTOM
4"
1'-7"
PVC DRAIN TILE
PROVIDE 'ALHAMBRA' # A-1584 STL. GRATE OR EQUAL W/ 1 3/4" x 1 3/4" x 1/4" STL. ∠ FRAME. W/ANCHORS AROUND 3 SIDES OF GRATE. ATTACH BLDG SIDE OF FRAME TO STL. [W/ 1/4" x 1" THREAD CUTTING SCREWS @ 6" O.C. LENGTH OF GRATE TO BE 3" BEYOND VENT OPENING EA. SIDE.
INSTALL 1/2" THICK ASPHALT IMPREGNATED FIBERBOARD BETWEEN AREA WAY VENT WALL & BLDG. STL [& CONC. FOOTING SEAL WATERTIGHT
2" CONC. SLAB ON GRADE UNDER BLDG EXCAVATE AS REQ'D
VENT OPENING IN PERIMETER FOOTING WALL. AREA OF OPENING TO BE 1 1/2 SQ. FT PER 25 LINEAR FT OF PERIMETER WALL. PROVIDE SCREENS @ OPENINGS, 11 GAUGE EXPANDED GALV. STEEL W/ 1/4" MESH. ATTACH TO FDN. STEM W/ CONC. NAILS THROUGH TIN CAPS. WHEN LOCATION NOT NOTED ON FLOOR PLAN PROVIDE MIN. 2 VENTS OPPOSITE SIDES

FOOTINGS 1 1/2" 3

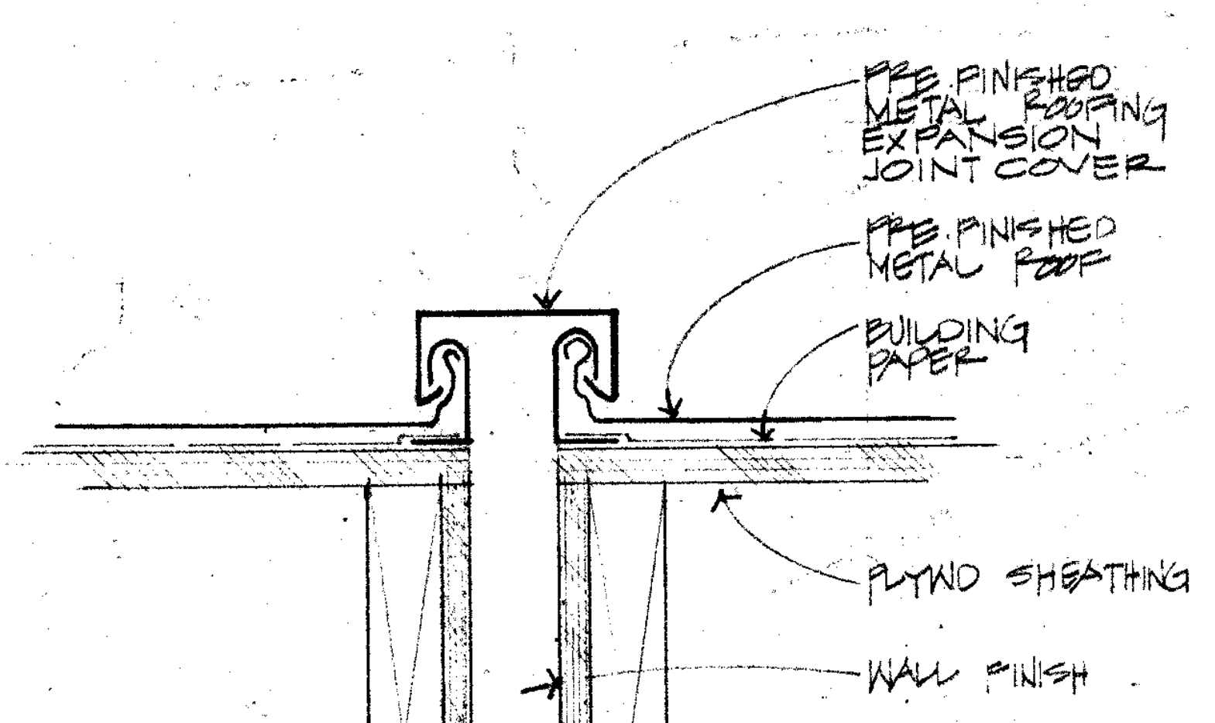
4


EXTERIOR PLASTER
SEALANT
5/8"
24 GA. GALV. SHT. MTL. FLASHING
CONT. CLEAT
HOLLOW METAL FRAME
DOOR - SEE SCHEDULE
VINYL TACK SURFACE
5/8"
1/2" GWB
2"
5/8"
1 15/16"
1 15/16"
DRYWALL RETURN

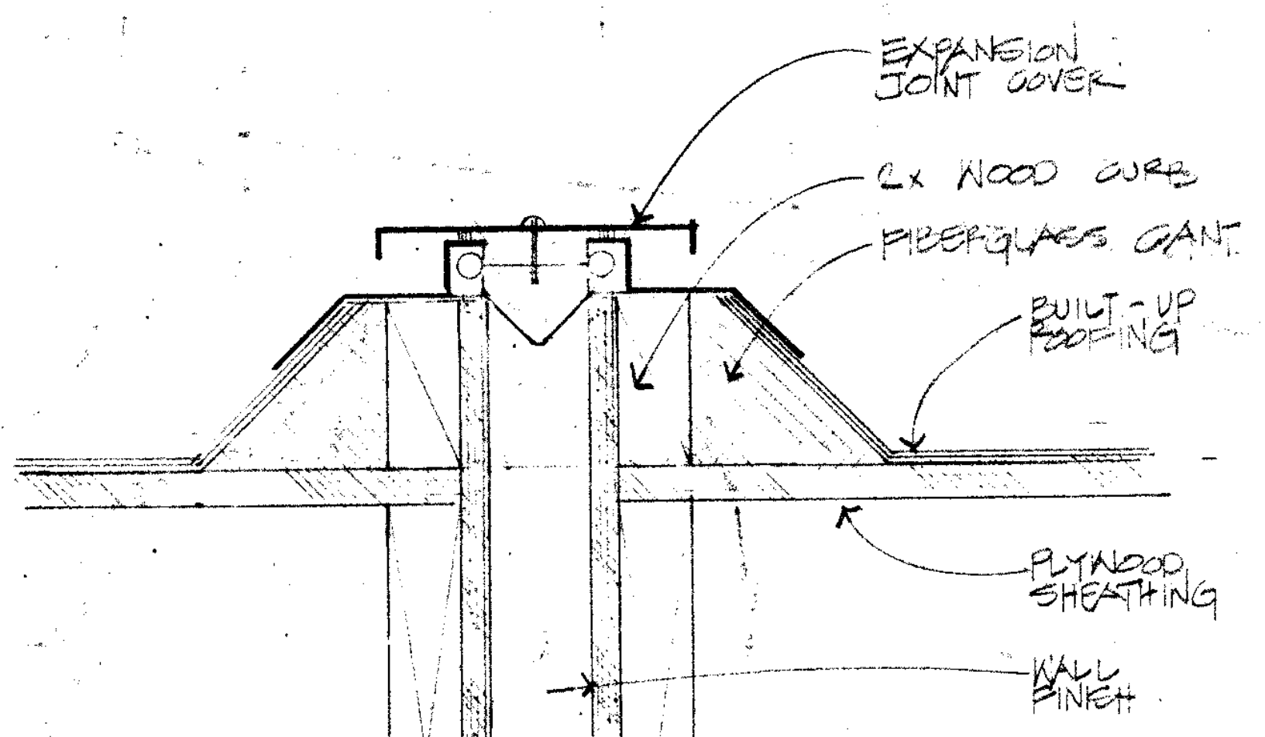
EXTERIOR DOOR HEAD 3" 5


EXT. PLASTER
SEALANT
24 GA. GALV. DRIP & CLEAT
1x3 BATTEN
SHAPED WD JAMB
SHIM
PROJECTED ALUMINUM WINDOW
VINYL TACK SURFACE
1/2" GWB
5/8" x 2" TRIM
VERTICAL BLIND TRACK

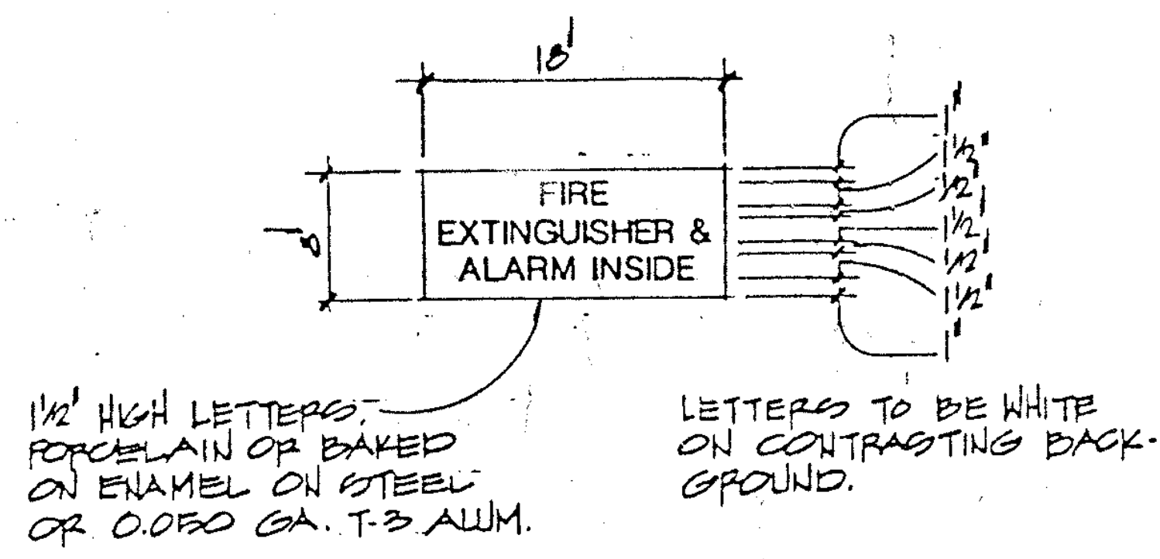
PROJECTED WINDOW HEAD 3" 6


PRE FINISHED METAL ROOFING EXPANSION JOINT COVER
PRE FINISHED METAL ROOF
BUILDING PAPER
PLYWD SHEATHING
WALL FINISH

JOINT COVER @ MTL ROOF 3" 7

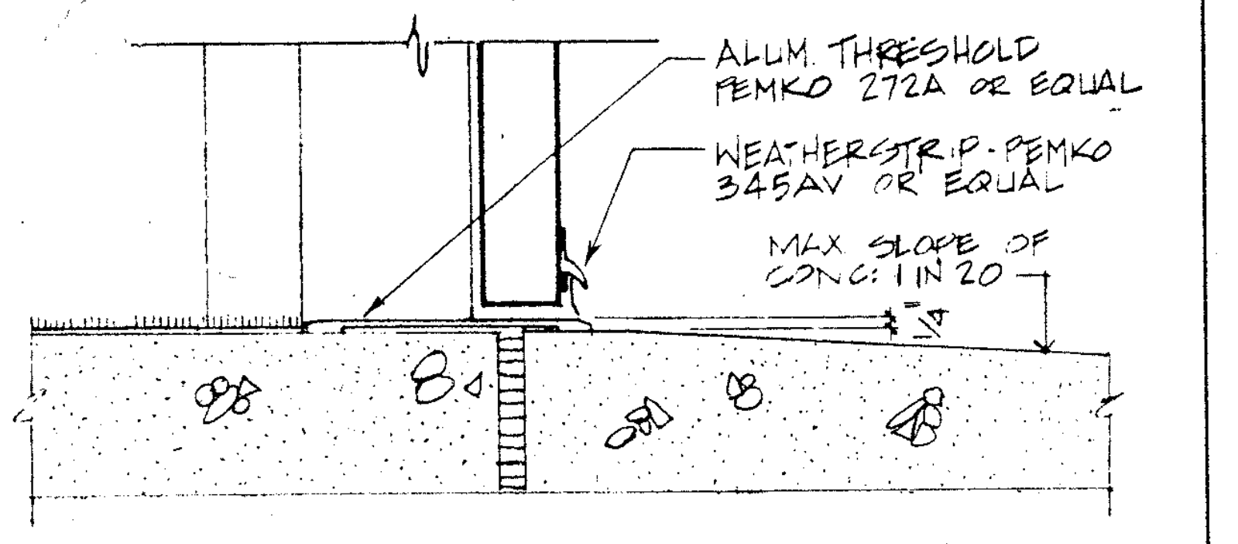

EXPANSION JOINT COVER
2x WOOD CURB
FIBERGLASS CANT
BUILT-UP ROOFING
PLYWOOD SHEATHING
WALL FINISH

EXPANSION JOINT COVER 3" 8

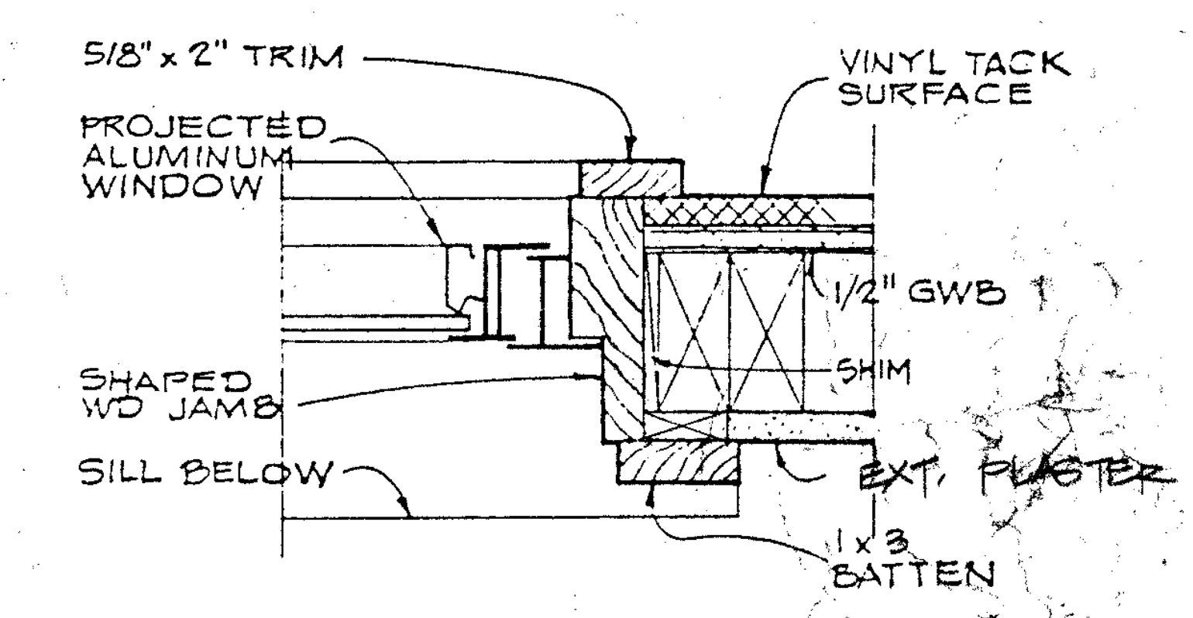

18"
6"
FIRE EXTINGUISHER & ALARM INSIDE
1"
1 1/2"
1/2"
1 1/2"
1/2"
1 1/2"
1"
1 1/2" HIGH LETTERS, PORCELAIN OR BAKED ON ENAMEL ON STEEL OR 0.050 GA. T-3 ALUM.
LETTERS TO BE WHITE ON CONTRASTING BACKGROUND.

SIGN DETAIL 1" 9

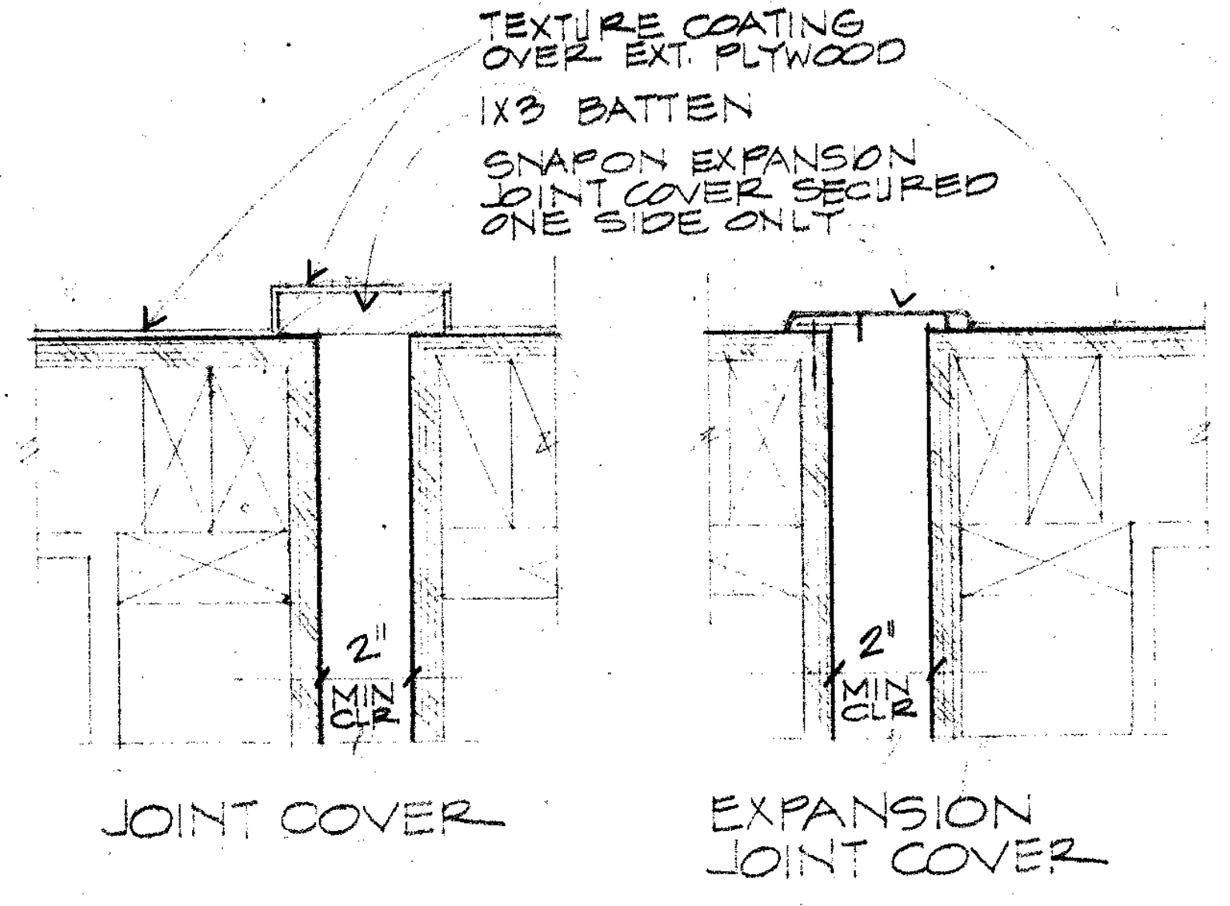
10


ALUM. THRESHOLD PEMKO 272A OR EQUAL
WEATHERSTRIP - PEMKO 345AV OR EQUAL
MAX SLOPE OF CONC: 1 IN 20
1/4"

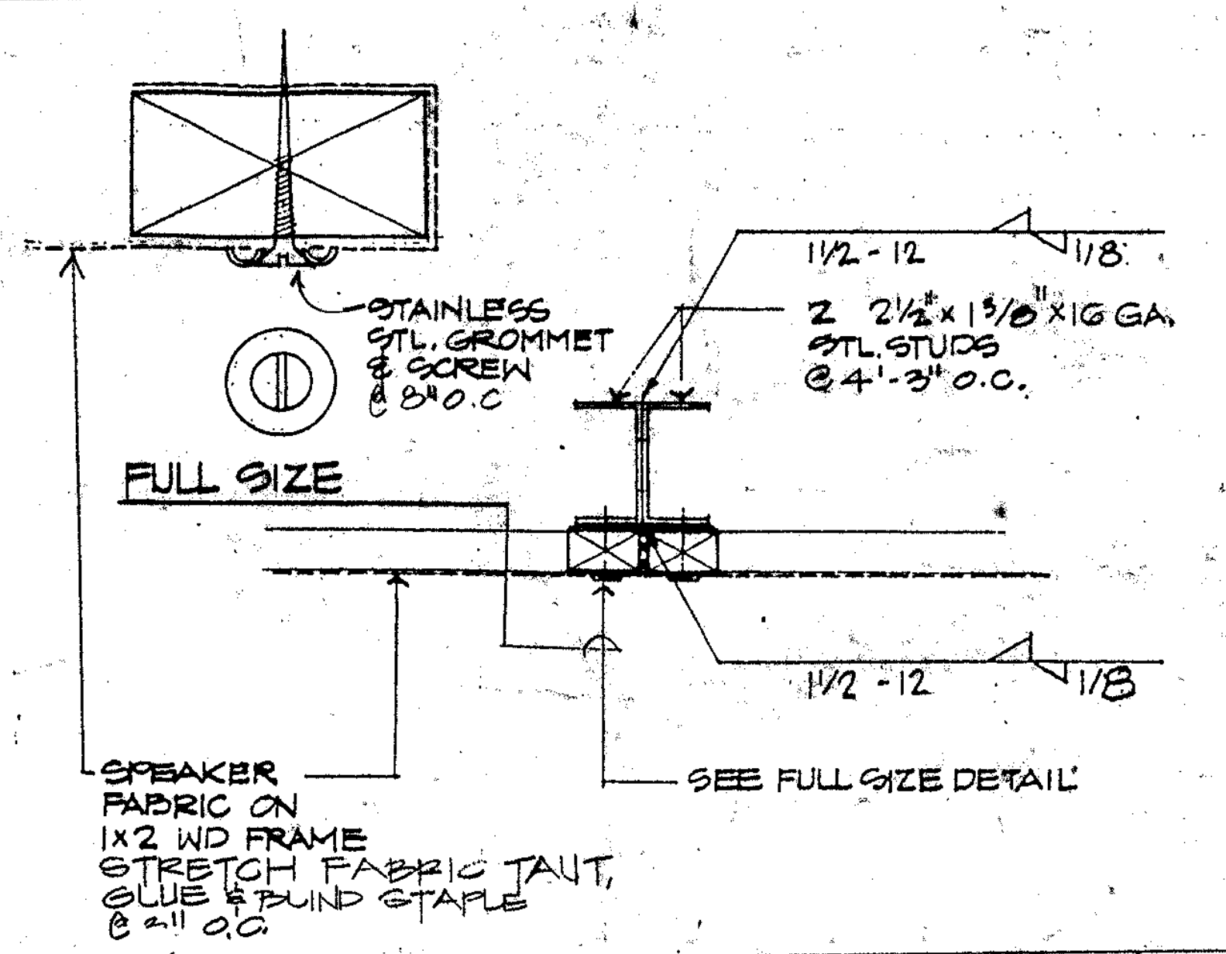
THRESHOLD 3" 11


5/8" x 2" TRIM
PROJECTED ALUMINUM WINDOW
SHAPED WD JAMB
SILL BELOW
VINYL TACK SURFACE
1/2" GWB
SHIM
EXT. PLASTER
1x3 BATTEN

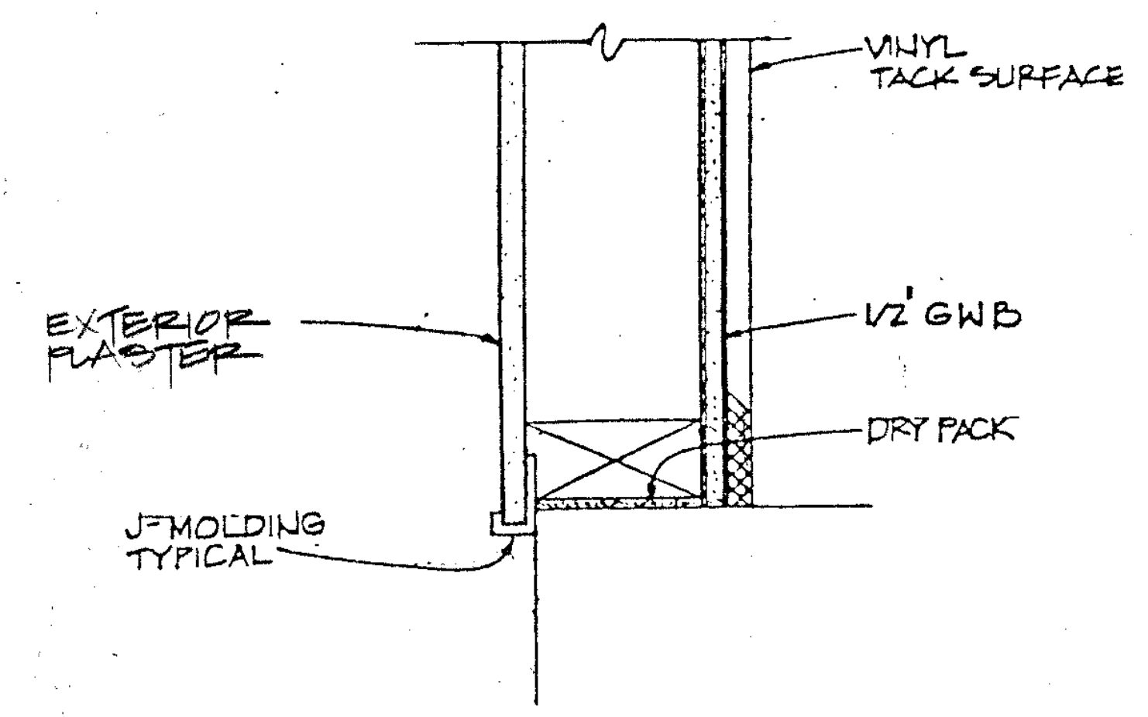
PROJECTED WINDOW JAMB 3" 12


TEXTURE COATING OVER EXT. PLYWOOD
1X3 BATTEN
SNAPON EXPANSION JOINT COVER SECURED ONE SIDE ONLY
2" MIN CLR
2" MIN CLR
JOINT COVER
EXPANSION JOINT COVER

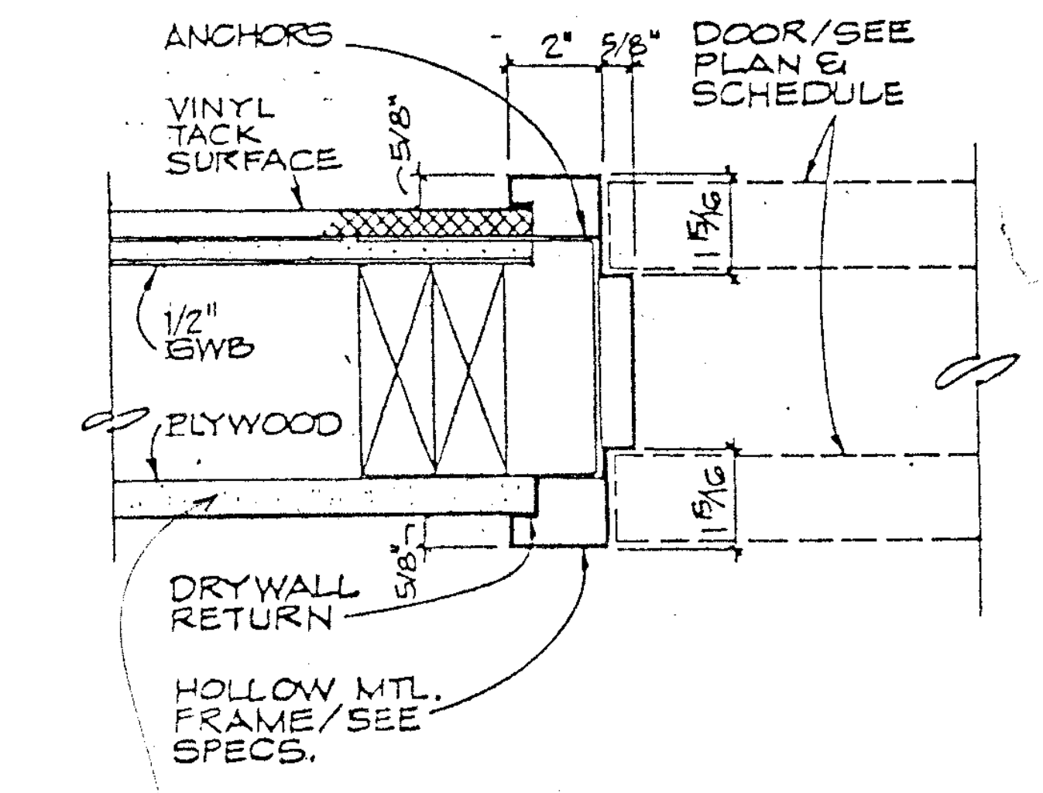
JOINT COVER @ WALL 3" 13


STAINLESS STL. GROMMET & SCREW @ 8" O.C
FULL SIZE
1 1/2 - 12
1/8
2 2 1/2" x 1 5/8" x 16 GA. STL. STUDS @ 4'-3" O.C.
1 1/2 - 12
1/8
SPEAKER FABRIC ON 1x2 WD FRAME STRETCH FABRIC TAUT, GLUE & BLIND STAPLE @ 2" O.C.
SEE FULL SIZE DETAIL

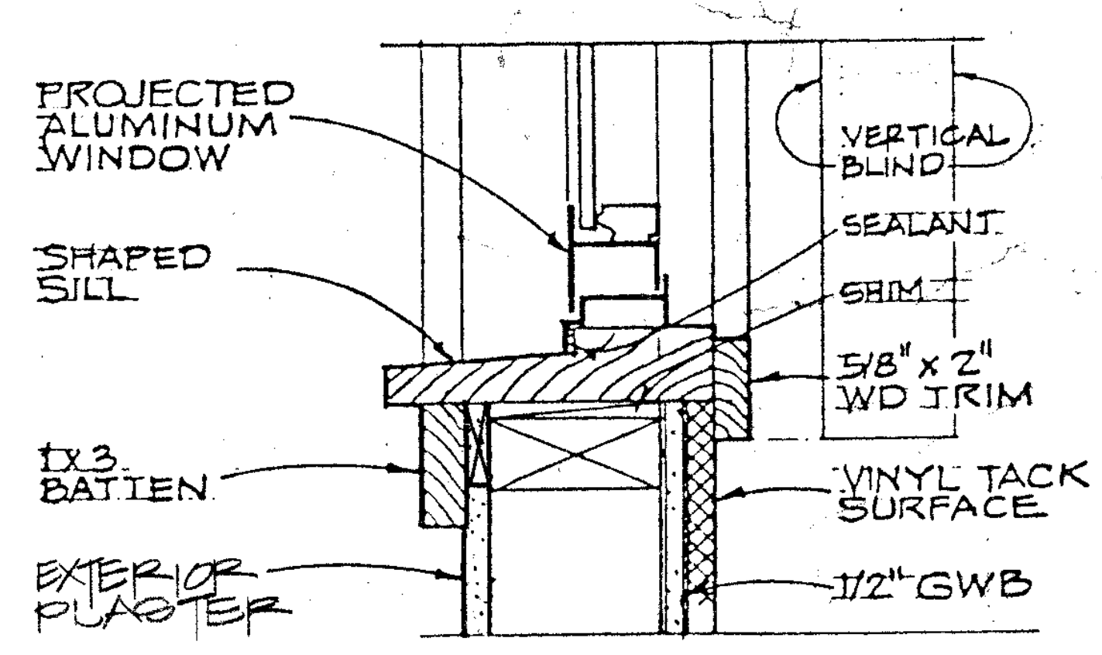
SPEAKER COVER 3" 15


VINYL TACK SURFACE
EXTERIOR PLASTER
1/2" GWB
DRY PACK
J-MOLDING TYPICAL

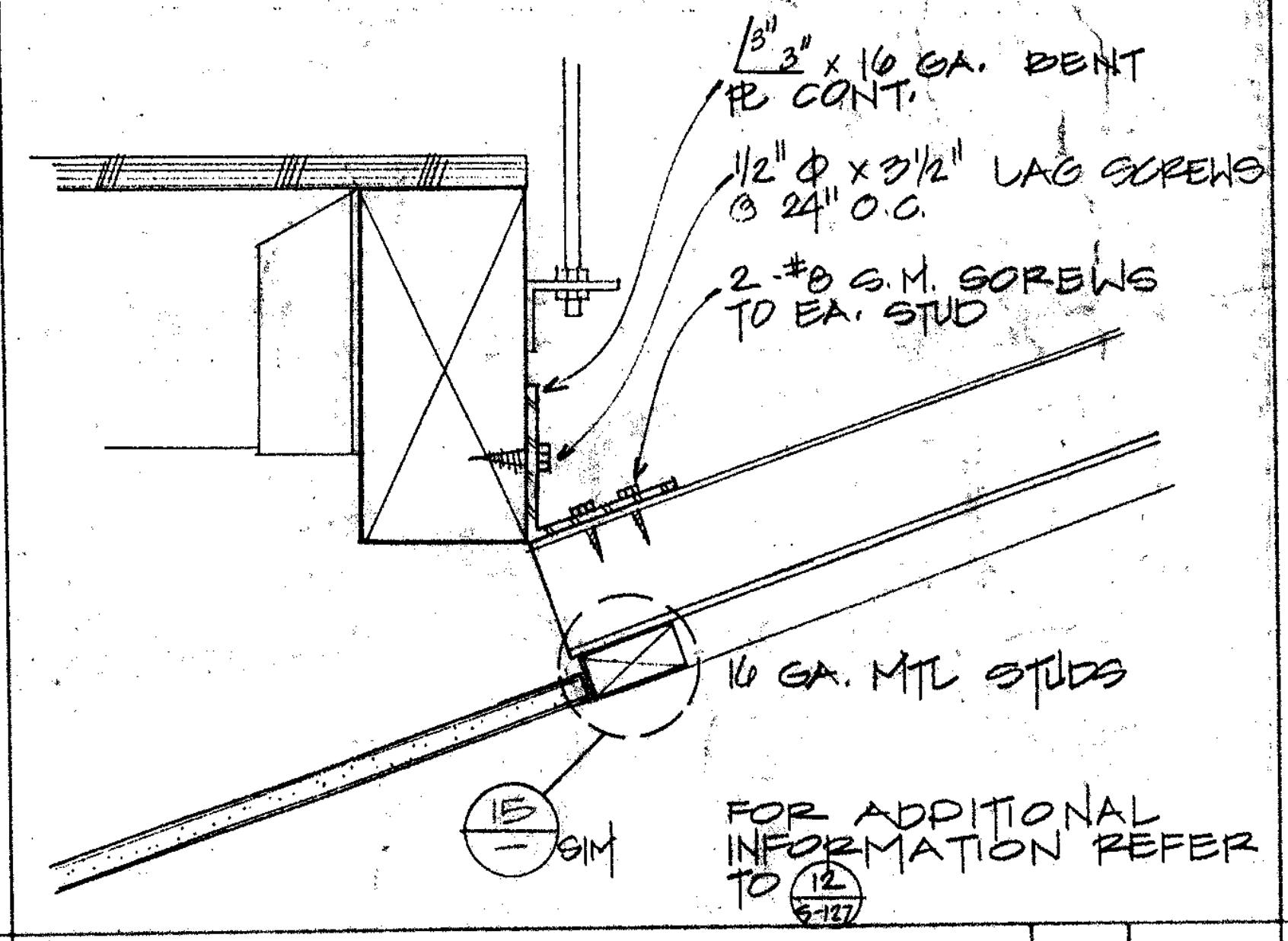
SIDING SILL 3" 16


ANCHORS
2"
5/8"
DOOR/SEE PLAN & SCHEDULE
VINYL TACK SURFACE
5/8"
1/2" GWB
PLYWOOD
1 5/16
1 5/16
5/8"
DRYWALL RETURN
HOLLOW MTL. FRAME/SEE SPECS.
EXTERIOR PLASTER

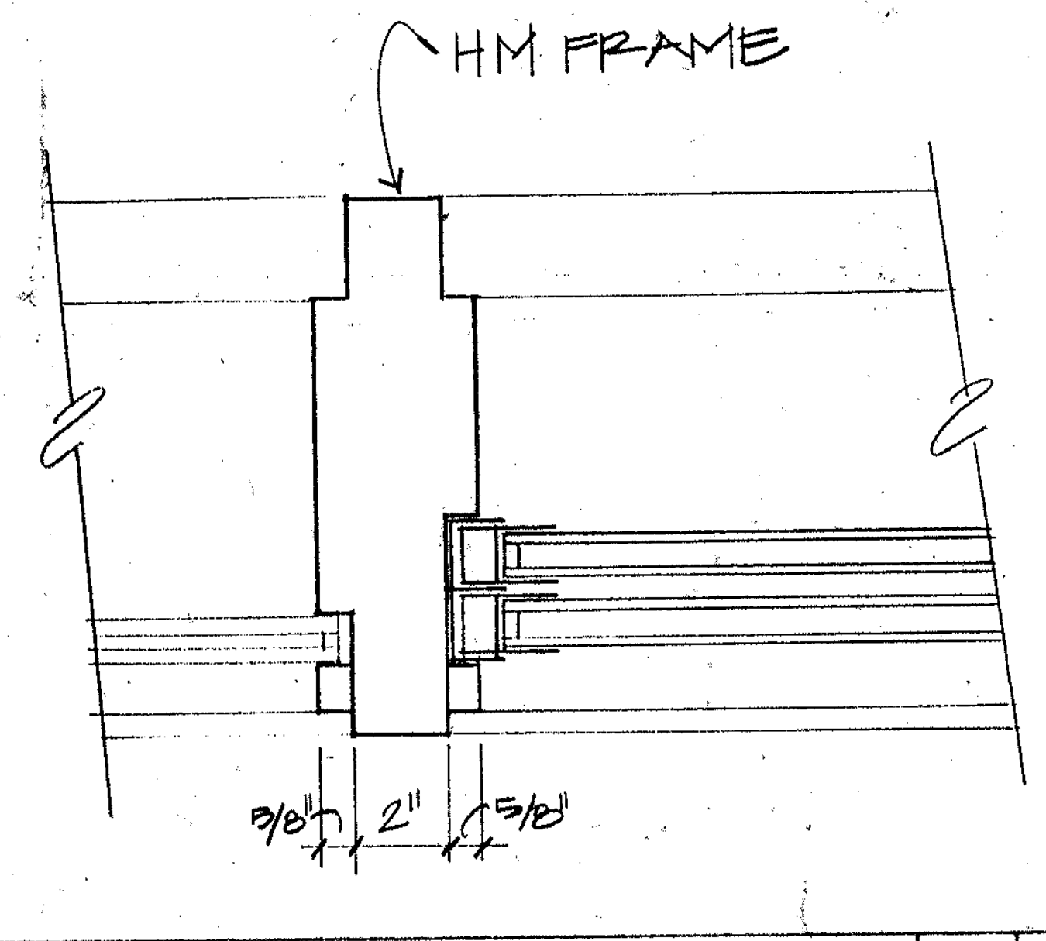
EXTERIOR DOOR JAMB 3" 17


PROJECTED ALUMINUM WINDOW
SHAPED SILL
1x3 BATTEN
EXTERIOR PLASTER
VERTICAL BLIND
SEALANT
SHIM
5/8" x 2" WD TRIM
VINYL TACK SURFACE
1/2" GWB

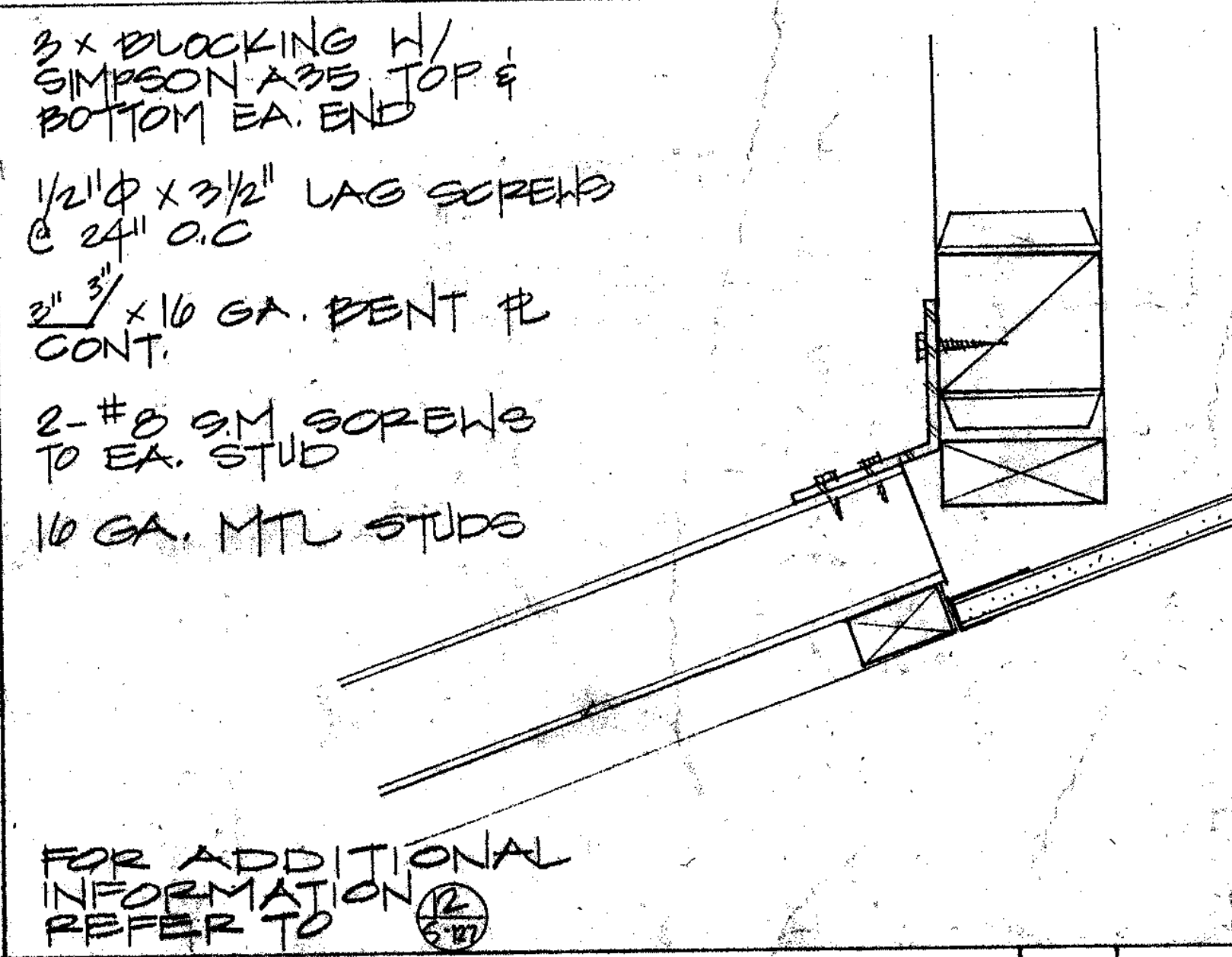
PROJECTED WINDOW SILL 3" 18


∠3" 3" x 16 GA. BENT ℙ CONT.
1/2" ⌀ x 3 1/2" LAG SCREWS @ 24" O.C.
2-#8 S.M. SCREWS TO EA. STUD
16 GA. MTL STUDS
15 — SIM
FOR ADDITIONAL INFORMATION REFER TO 12 S-127

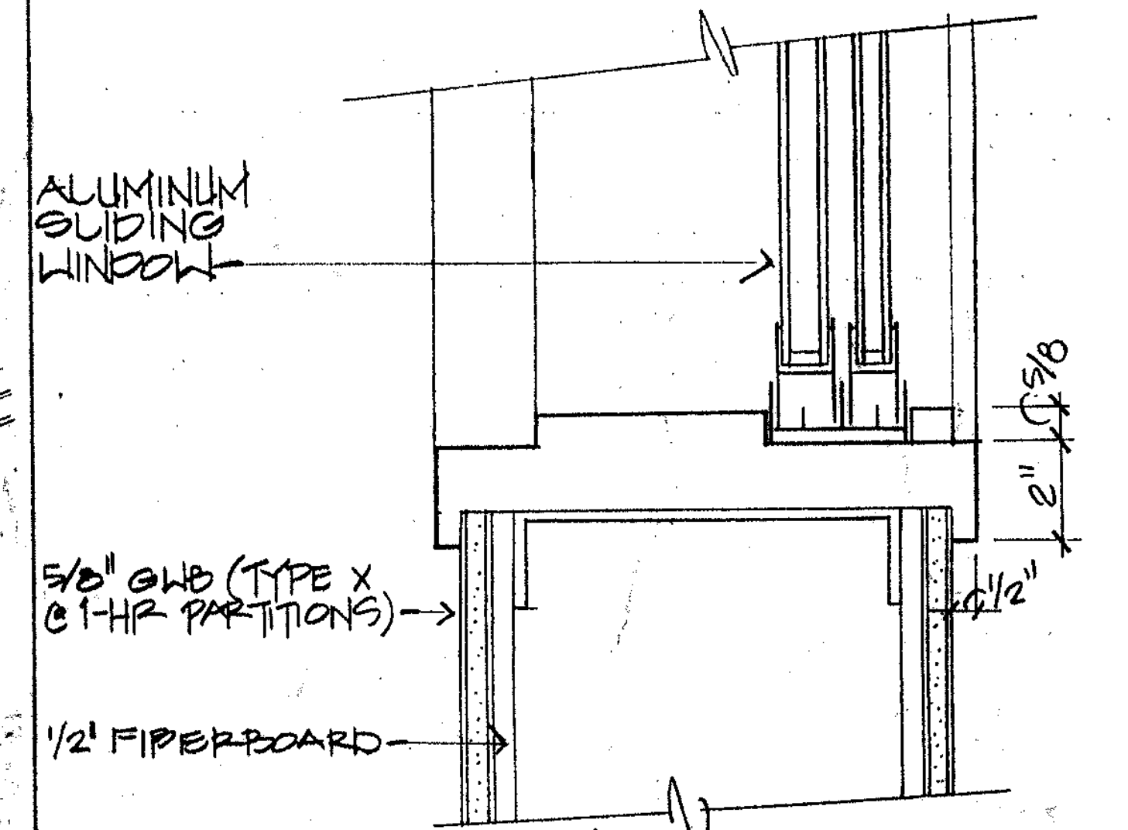
SPEAKER COVER 3" 21


HM FRAME
5/8"
2"
5/8"

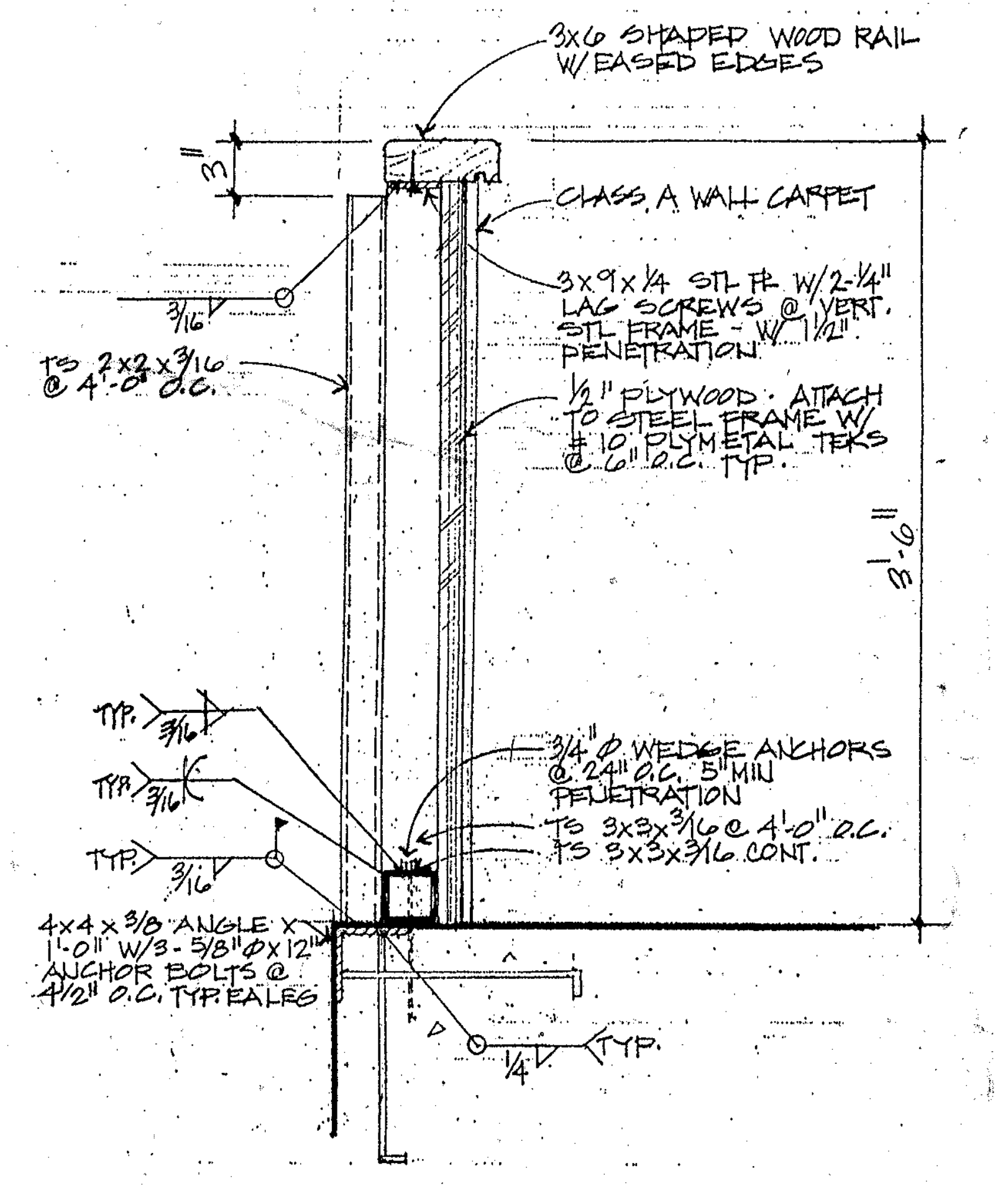
MULLION @ CONTROL BOOTH 3" 22


3x BLOCKING W/ SIMPSON A35 TOP & BOTTOM EA. END
1/2" ⌀ x 3 1/2" LAG SCREWS @ 24" O.C
3" 3" x 16 GA. BENT ℙ CONT.
2-#8 S.M SCREWS TO EA. STUD
16 GA. MTL STUDS
FOR ADDITIONAL INFORMATION REFER TO 12 S-127

SPEAKER COVER 3" 27


ALUMINUM SLIDING WINDOW
5/8
2"
1/2"
5/8" GWB (TYPE X @ 1-HR PARTITIONS)
1/2" FIBERBOARD

SILL @ CONTROL BOOTH 3" 28


3x6 SHAPED WOOD RAIL W/ EASED EDGES
3"
CLASS A WALL CARPET
3x9x1/4 STL ℙ W/ 2-1/4" LAG SCREWS @ VERT. STL FRAME - W/ 1 1/2" PENETRATION
TS 2x2x3/16 @ 4'-0" O.C.
3/16
1/2" PLYWOOD - ATTACH TO STEEL FRAME W/ #10 PLYMETAL TEKS @ 6" O.C. TYP.
3'-6"
TYP. 3/16
TYP. 3/16
TYP. 3/16
3/4" ⌀ WEDGE ANCHORS @ 24" O.C. 5" MIN PENETRATION
TS 3x3x3/16 @ 4'-0" O.C.
TS 3x3x3/16 CONT.
4x4x3/8 ANGLE x 1'-0" W/3 - 5/8" ⌀ x 12" ANCHOR BOLTS @ 4 1/2" O.C. TYP. EA LEG
1/4 TYP.

ORCHESTRA PIT RAIL 1 1/2" 29

Drawn By
Checked By
Date
Commission No 1-30-05

Revisions
BID JANUARY 1991

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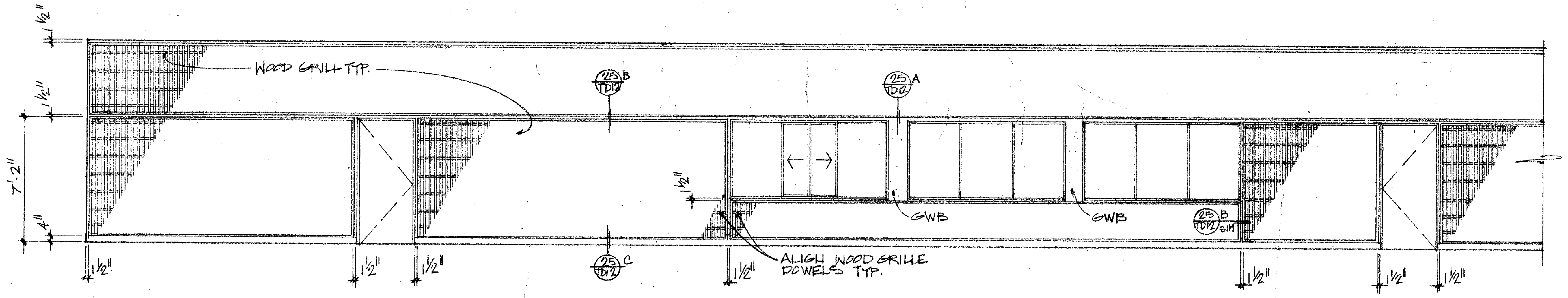
ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

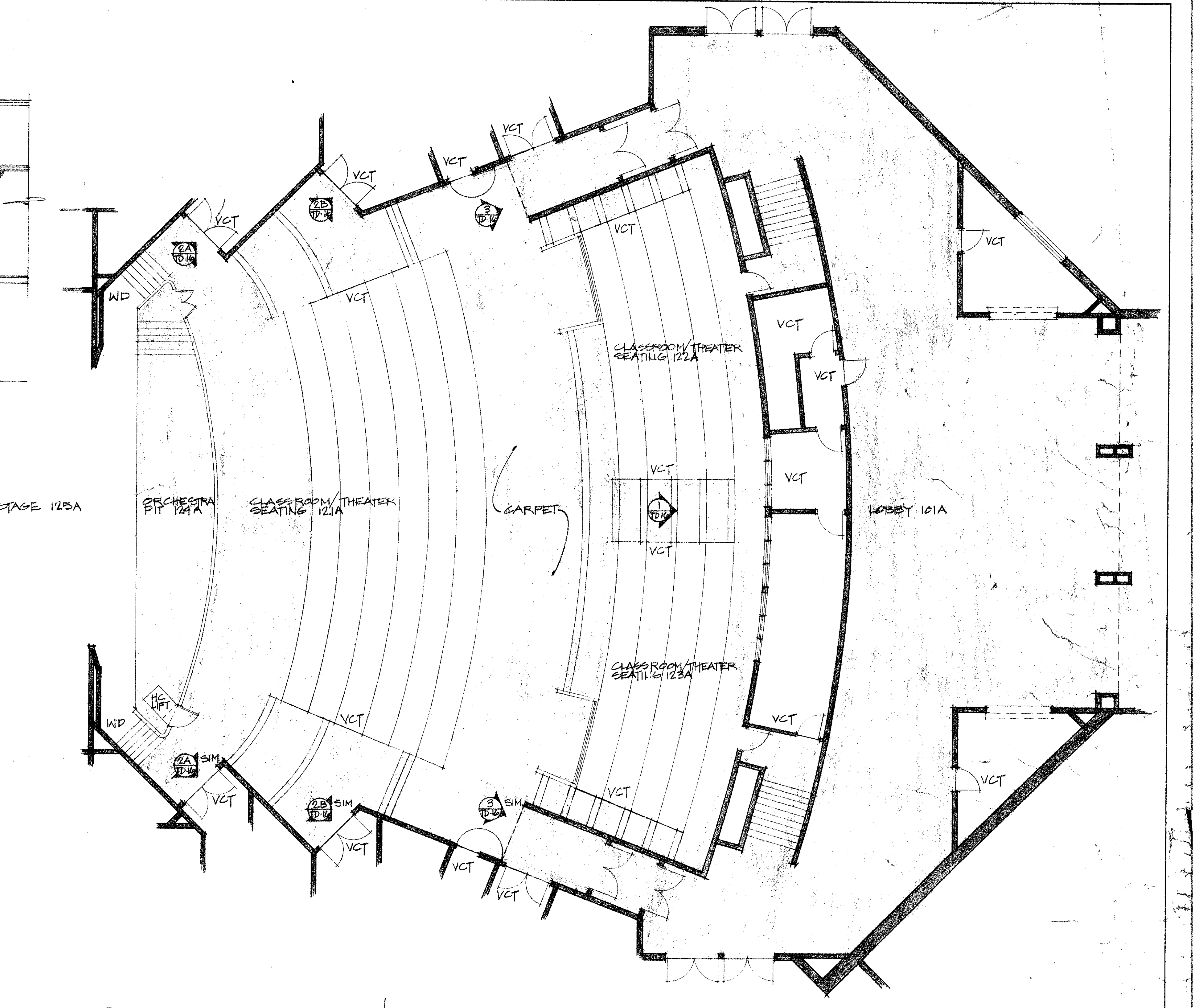
TYPICAL DETAILS

Sheet Number
TD-15
92 of Sheets

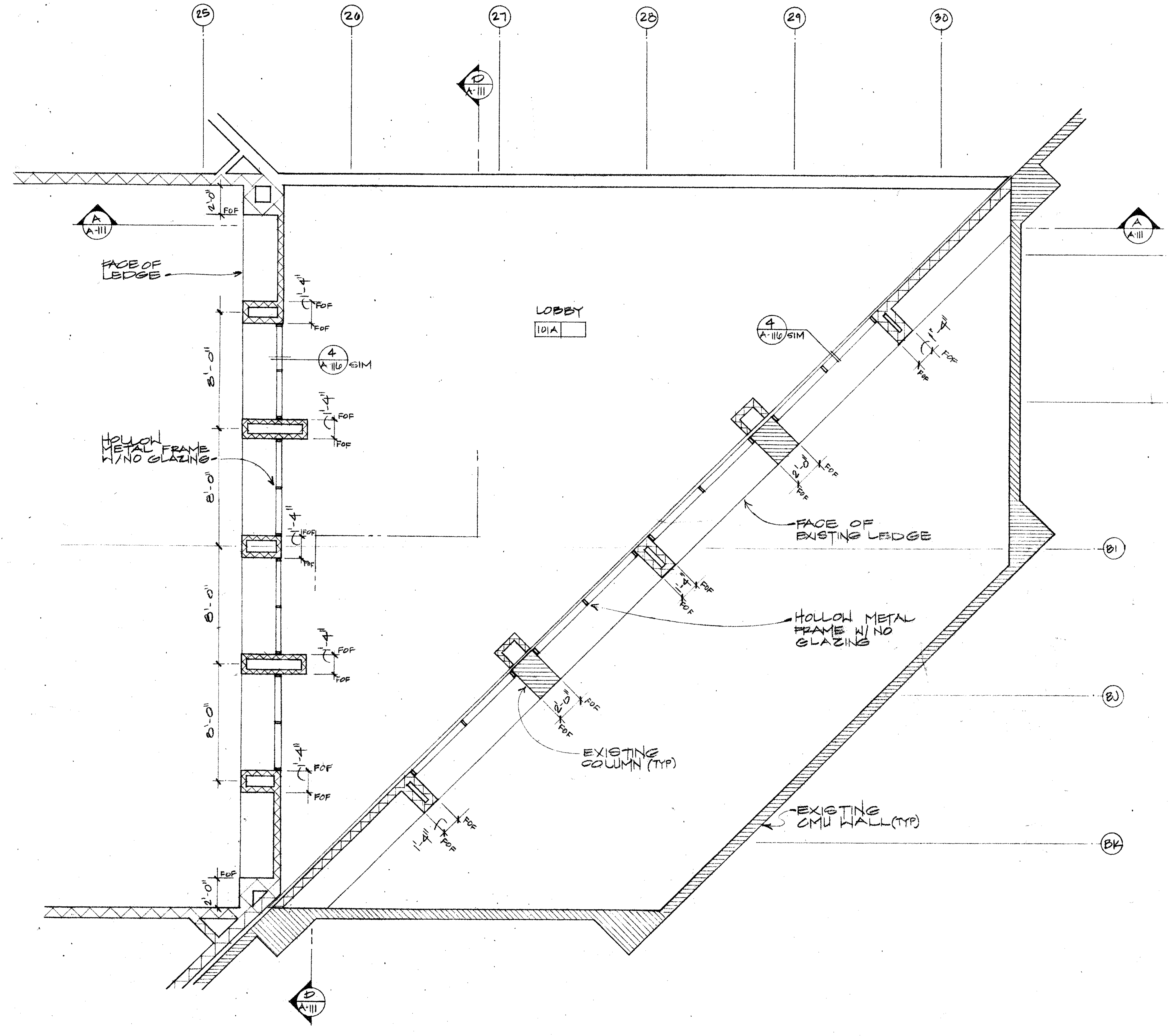
INCREMENT 2


1½"
1½"
7'-2"
4"
WOOD GRILL TYP.
25 B TD-16
25 A TD-16
GWB
GWB
25 B TD-16 SIM
1½"
ALIGN WOOD GRILLE DOWELS TYP.
25 C TD-16
1½"
1½"
1½"
1½"
1½"
1½"

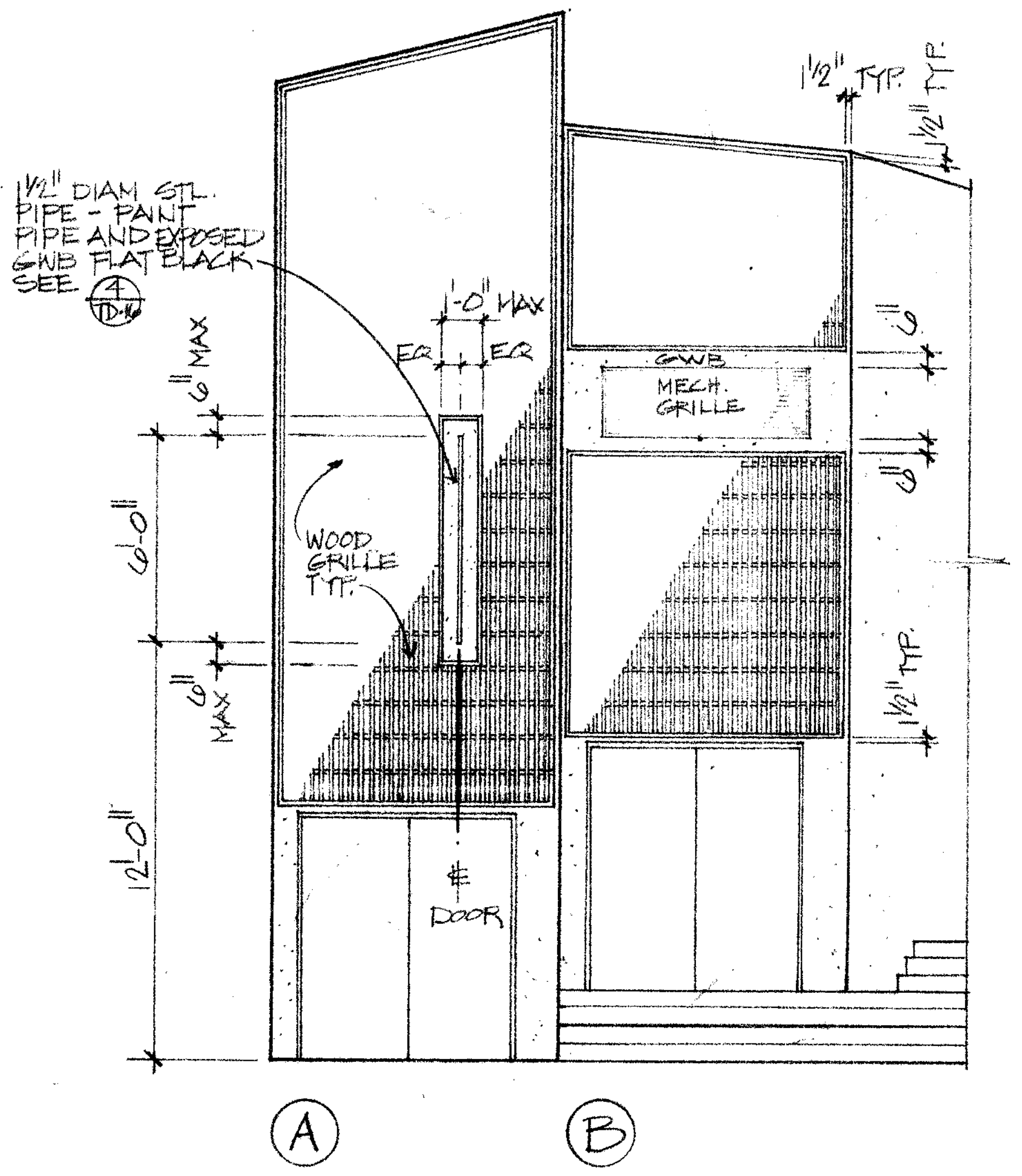
1 TD-16 WALL ELEVATION
¼"=1'-0"


VCT
WD
2A TD-16
2B TD-16
3 TD-16
STAGE 123A
ORCHESTRA PIT 124A
CLASSROOM/THEATER SEATING 121A
CARPET
CLASSROOM/THEATER SEATING 122A
CLASSROOM/THEATER SEATING 123A
1 TD-16
LOBBY 101A
HC LIFT
2A SIM
2B SIM
3 SIM

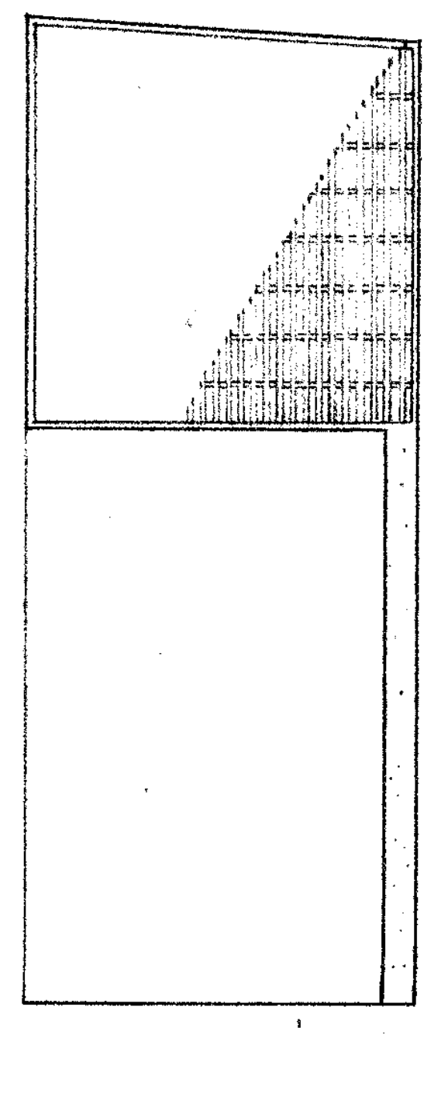
B PARTIAL PLAN - WALL & FLOOR FINISHES
⅛"=1'-0"


25
26
27
28
29
30
D A-111
A A-111
A A-111
BG
BH
BI
BJ
BK
2'-0"
FOF
FACE OF LEDGE
1'-4"
FOF
4 A-116 SIM
8'-0"
HOLLOW METAL FRAME W/NO GLAZING
8'-0"
8'-0"
8'-0"
LOBBY
101A
4 A-116 SIM
1'-4"
FOF
2'-0"
FOF
FACE OF EXISTING LEDGE
HOLLOW METAL FRAME W/NO GLAZING
EXISTING COLUMN (TYP)
EXISTING CMU WALL (TYP)
1'-4"
FOF
2'-0"
D A-111

A PARTIAL PLAN - PLAN @ LEDGE ¼"=1'-0"


1½" DIAM STL. PIPE - PAINT PIPE AND EXPOSED GWB FLAT BLACK SEE 4 TD-16
1'-0" MAX
EQ
EQ
6" MAX
6'-0"
6" MAX
12'-0"
WOOD GRILLE TYP.
℄ DOOR
1½" TYP.
1½" TYP.
GWB
MECH. GRILLE
6"
6"
1½" TYP.
A
B

2 TD-16 WALL ELEVATION



3 TD-16 WALL ELEVATION

PIPE DETAIL 4

NOTE:

PAINT COLORS OF PERFORMING ARTS TO BE VERIFIED WITH ARCHITECT.

OFFICE OF THE STATE ARCHITECT
A 49278 JUN 13 1988
John R. McCart

APPROVED FIRE AND PANIC ONLY
JUN 20 1988
BJ
STATE FIRE MARSHAL SOUTHERN REGION

Drawn By	Revisions	
Checked By		
Date MAR 1988		
Commission No. 13005	BID JANUARY 1991	

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714/684-4664

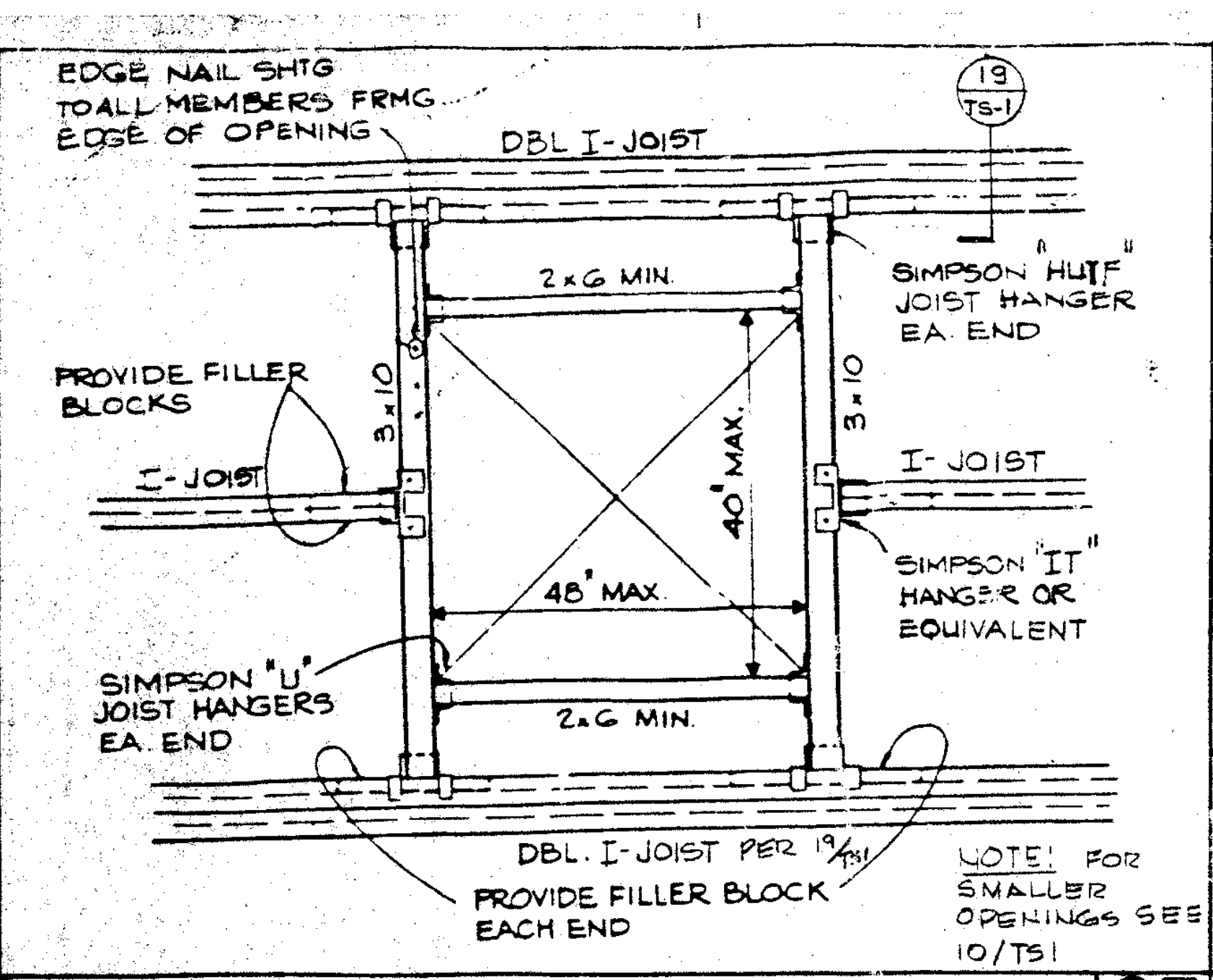
ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

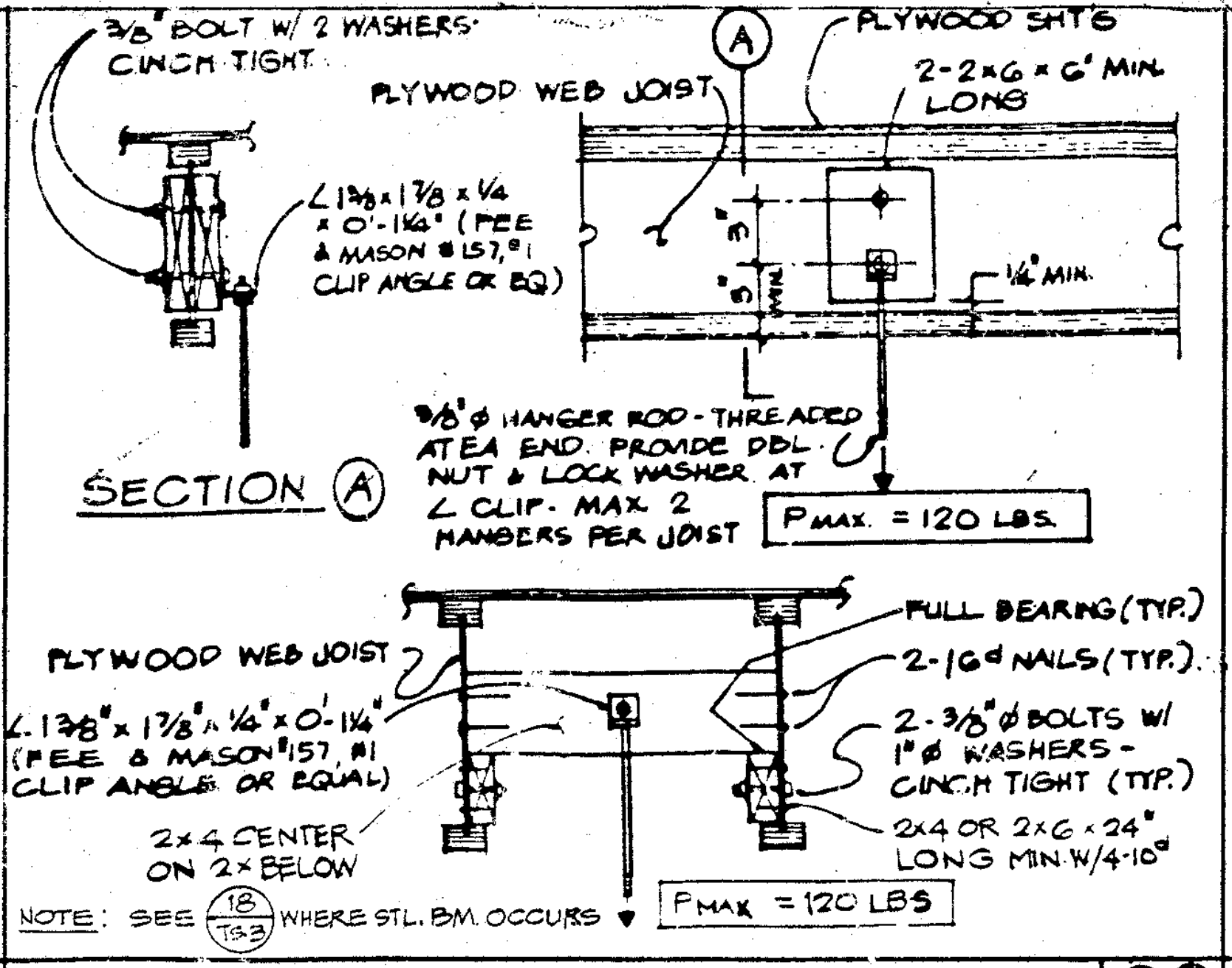
Enlarged Floor Plan
TYPICAL DETAILS

Sheet Number
TD-16
93 Of Sheets

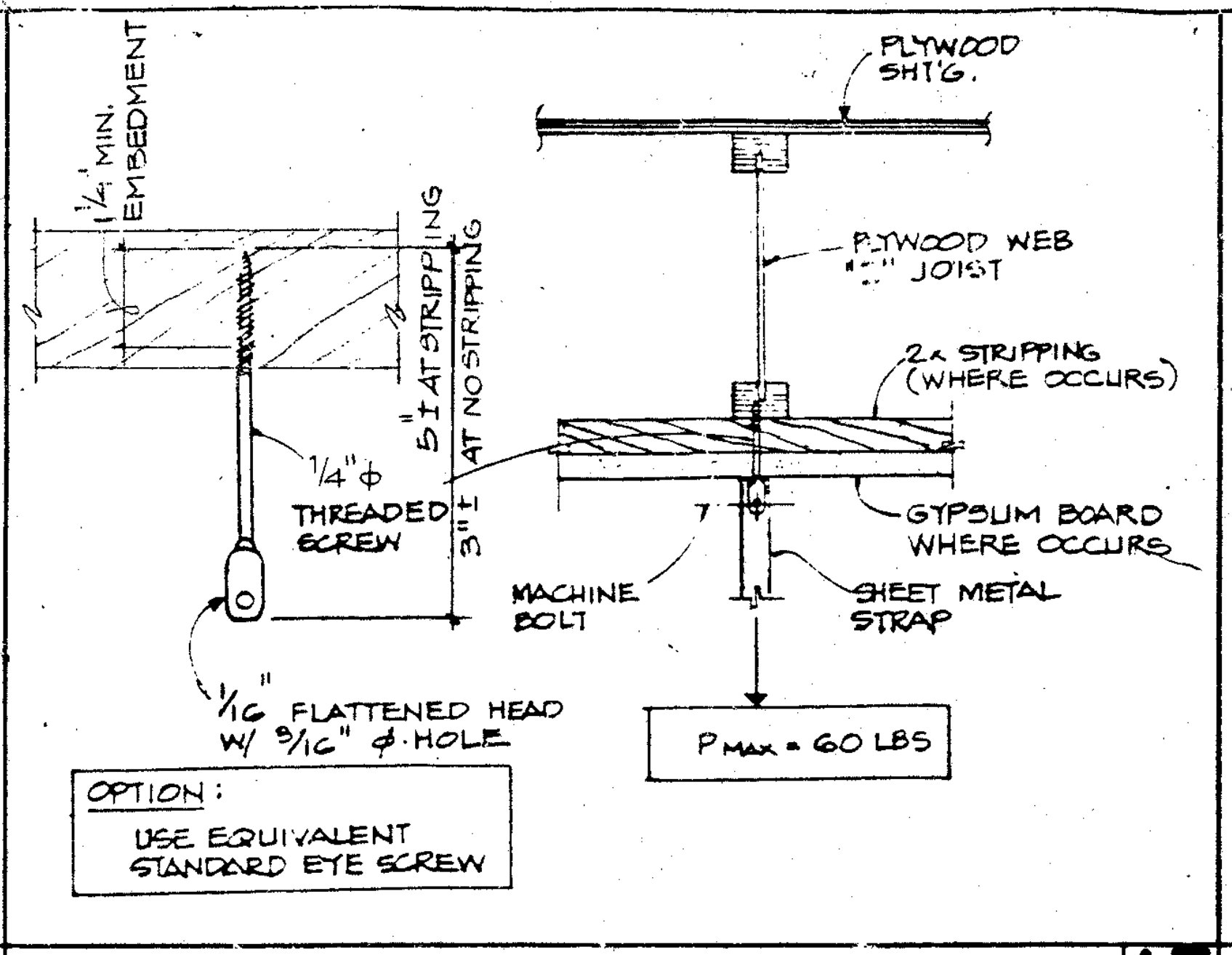
INCREMENT


EDGE NAIL SHTG TO ALL MEMBERS FRMG EDGE OF OPENING
DBL I-JOIST
2x6 MIN.
SIMPSON "HU" JOIST HANGER EA. END
PROVIDE FILLER BLOCKS
I-JOIST
40" MAX.
48" MAX
SIMPSON "IT" HANGER OR EQUIVALENT
SIMPSON "U" JOIST HANGERS EA. END
2x6 MIN.
DBL. I-JOIST PER 19/TS-1
PROVIDE FILLER BLOCK EACH END
NOTE: FOR SMALLER OPENINGS SEE 10/TS1

ROOF OPENING 25


3/8" BOLT W/ 2 WASHERS CINCH TIGHT
PLYWOOD WEB JOIST
PLYWOOD SHTG
2-2x6 x 6" MIN. LONG
L 1 3/8 x 1 3/8 x 1/4 x 0'-1 1/2" (FEE & MASON #157, F1) CLIP ANGLE OR EQ
3/8" Ø HANGER ROD - THREADED AT EA END. PROVIDE DBL NUT & LOCK WASHER AT ∠ CLIP. MAX 2 HANGERS PER JOIST
SECTION A
Pmax = 120 LBS.
FULL BEARING (TYP.)
2-16d NAILS (TYP.)
2-3/8" Ø BOLTS W/ 1" Ø WASHERS CINCH TIGHT (TYP.)
2x4 CENTER ON 2x BELOW
2x4 OR 2x6 - 24" LONG MIN W/ 4-10d
NOTE: SEE 19/TS3 WHERE STL. BM. OCCURS
Pmax = 120 LBS

MECH. EQUIPMENT HANGERS 20


1 1/4" MIN. EMBEDMENT
PLYWOOD SHTG.
PLYWOOD WEB JOIST
2x STRIPPING (WHERE OCCURS)
1/4" Ø THREADED SCREW
GYPSUM BOARD WHERE OCCURS
MACHINE BOLT
SHEET METAL STRAP
1/16" FLATTENED HEAD W/ 9/16" Ø HOLE
Pmax = 60 LBS
OPTION: USE EQUIVALENT STANDARD EYE SCREW

MECH. DUCT HANGER 15

SHEATHING NOTES

1. PLYWOOD SHEATHING: U.S. PRODUCT STD PS 1-83 APA STRUCTURAL I RATED SHEATHING EXPOSURE 1.

   THICKNESS: 1/2 INCH

2. NAILS FOR PLYWOOD SHEATHING: 10d (9 GA. x 2 1/8" MIN.) FULL HEAD, COMMON WIRE.

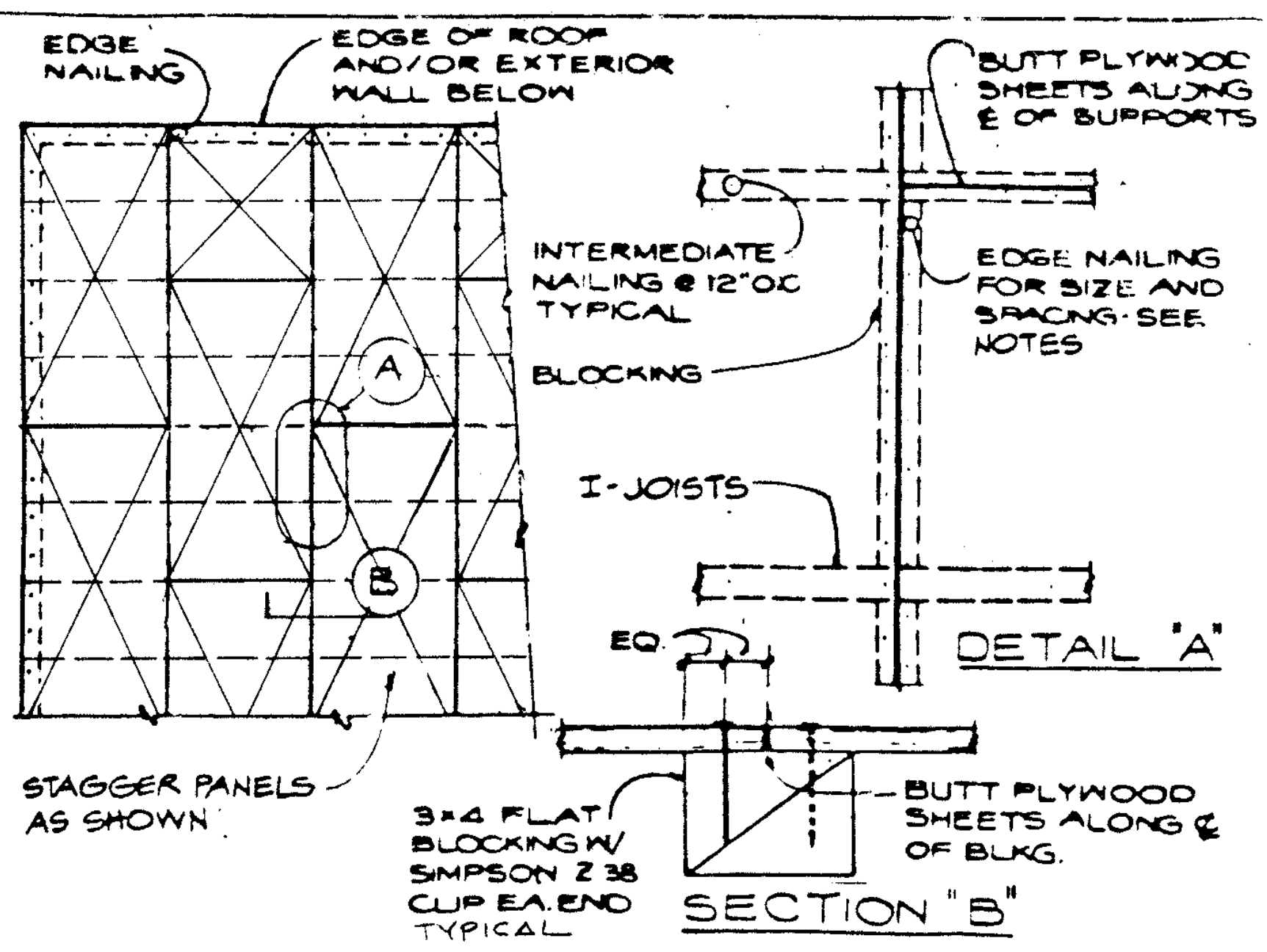
   EDGE NAILING: @ 4" O.C. TYP. U.N.O. SEE ROOF FRAMING PLAN
   FIELD NAILING: @ 12" O.C.

3. PROVIDE PLYWOOD SHEETS NOT LESS THAN 2'-0" IN LEAST DIMENSION NOR LESS THAN 8'-0" SQ. FEET IN AREA. USE FULL SIZE SHEETS WHEREVER POSSIBLE.

4. PLACE PLYWOOD SHEET WITH FACE PLIES PERPENDICULAR TO JOISTS.

5. COORDINATE JOIST LAYOUT WITH PLYWOOD SHEATHING PATTERN AS SHOWN.

6. MACHINE APPLIED NAILING: THE CONTRACTOR SHALL DEMONSTRATE SATISFACTORY INSTALLATION ON THE JOB AN OBTAIN THE ACCEPTANCE OF THE FIELD REPRESENTATIVE OF O.S.A. AND THE ARCHITECT AND/OR STRUCTURAL ENGINEER BEFORE THE USE OF MACHINE APPLIED NAILS CAN BE APPROVED. APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. REMOVE ALL "SHINERS".


EDGE NAILING
EDGE OF ROOF AND/OR EXTERIOR WALL BELOW
BUTT PLYWOOD SHEETS ALONG ℄ OF SUPPORTS
INTERMEDIATE NAILING @ 12" O.C. TYPICAL
EDGE NAILING FOR SIZE AND SPACING SEE NOTES
BLOCKING
I-JOISTS
DETAIL "A"
STAGGER PANELS AS SHOWN
3x4 FLAT BLOCKING W/ SIMPSON Z 38 CLIP EA END TYPICAL
BUTT PLYWOOD SHEETS ALONG ℄ OF BLKG.
SECTION "B"

PLYWOOD ROOF SHEATHING 6

GENERAL NOTES AND STRUCTURAL MATERIAL SPECIFICATIONS

1. VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE.
2. COORDINATE STRUCTURAL DETAILS AND DIMENSIONS WITH RELATED REQUIREMENTS ON ALL DRAWINGS.
3. THE ARCHITECT WILL INTERPRET THE INTENT OF THE DOCUMENTS IN CASE OF POSSIBLE CONFLICT OR DISCREPANCY BETWEEN STRUCTURAL AND OTHER DISCIPLINES.
4. DETAILS NOTED AS "TYPICAL" OR "TYP" SHALL APPLY IN ALL CASES WHETHER OR NOT SPECIFICALLY REFERENCED.
5. WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF TITLES 21 AND 24, CALIFORNIA ADMINISTRATIVE CODE AND 1979 EDITION UNIFORM BUILDING CODE
6. BASIC STRUCTURAL MATERIAL REQUIREMENTS

METAL ROOF DECK:	ASTM A446 AND A525, G 90
REINFORCING STEEL:	#4 AND SMALLER ASTM A615 GRADE 40 #5 AND LARGER ASTM A615 GRADE 60
STRUCTURAL STEEL:	ASTM A36
TUBE COLUMNS:	ASTM A500, GRADE B Fy = 46 KSI
PIPE COLUMNS:	ASTM A53, GRADE B
HIGH STRENGTH BOLTS:	ASTM A325F (SEE NOTE NO. 12)
BOLTS:	ASTM A307
CONCRETE:	NORMAL WEIGHT CONCRETE SLAB ON GRADE f'c = 2500 psi AT 28 DAYS ALL OTHERS f'c = 3000 psi AT 28 DAYS
SAWN TIMBER:	DOUGLAS FIR No. 1 OR BETTER EXCEPT USE NO 2 OR BETTER FOR 2x4, 2x6
PLYWOOD:	U.S. PRODUCT STANDARD PSI 1-83 STRUCT. I EXPOSURE 1 RATED SHEATHING.
PLYWOOD WEB JOISTS:	SEE NOTE № 11 BELOW
SIMPSON CONNECTORS:	SIMPSON CO. CATALOG No. 87H-1 RETIGHTEN BOLTS BEFORE CLOSING IN
CONCRETE BLOCK:	ASTM C90 GRADE N-1 (MEDIUM WEIGHT) SEE SPECIFICATION Division 4 FOR GROUTING REQUIREMENTS. f'm = 1500 PSI
GROUT:	MIN. COMPRESSIVE STRENGTH = 2000 psi AT 28 DAYS
Mortar:	MIN. COMPRESSIVE Strength = 1800 psi AT 28 DAYS

7. AUTOMATIC END WELDED STUDS MAY BE SUBSTITUTED FOR THE WELDED STUD BOLTS.
8. STRUCTURAL PLANS INDICATE ONLY THE APPROXIMATE LOCATION OF MECHANICAL, ELECTRICAL AND OTHER EQUIPMENT, AS WELL AS RELATED AUXILIARY FRAMING NECESSARY TO SUPPORT SUCH GEAR. THE FINAL POSITIONING OF THESE ITEMS IS DEPENDENT UPON THE EQUIPMENT SELECTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK BETWEEN SUBCONTRACTORS AND CRAFTS IN THIS REGARD, AND PROVIDE NECESSARY DIMENSIONS IN A TIMELY MANNER TO ALL PARTIES AND DETAILERS INVOLVED.
9. REFER TO ARCHITECTURAL PLANS AND SECTIONS FOR THE EXTENT, DEPTH AND SLOPES OF ALL DEPRESSIONS OR IRREGULARITIES IN FLOORS. STRUCTURAL PLANS MAY NOT INDICATE ALL SUCH SPECIAL FEATURES.
10. FOUNDATION: GEOTECHNICAL INVESTIGATION BY SCHAEFER DIXON ASSOCIATES. PROJECT NO. 6L-622, DATED FEBRUARY 12, 1987.

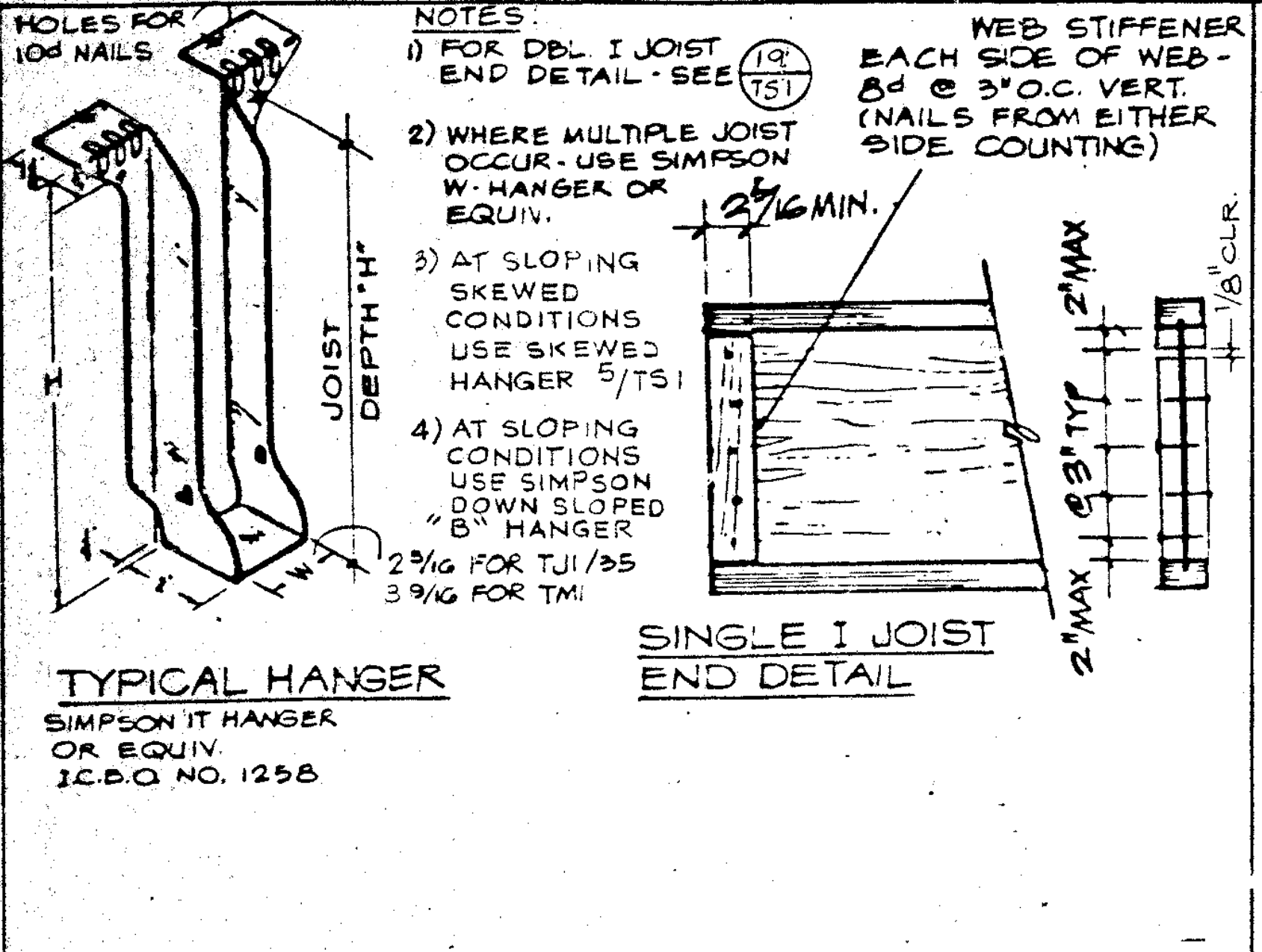
    SOIL TYPE: CLAYEY SAND WITH SOME GRAVEL.

    DESIGN BEARING PRESSURE: 2000 PSF IN PROPERLY COMPACTED FILL.

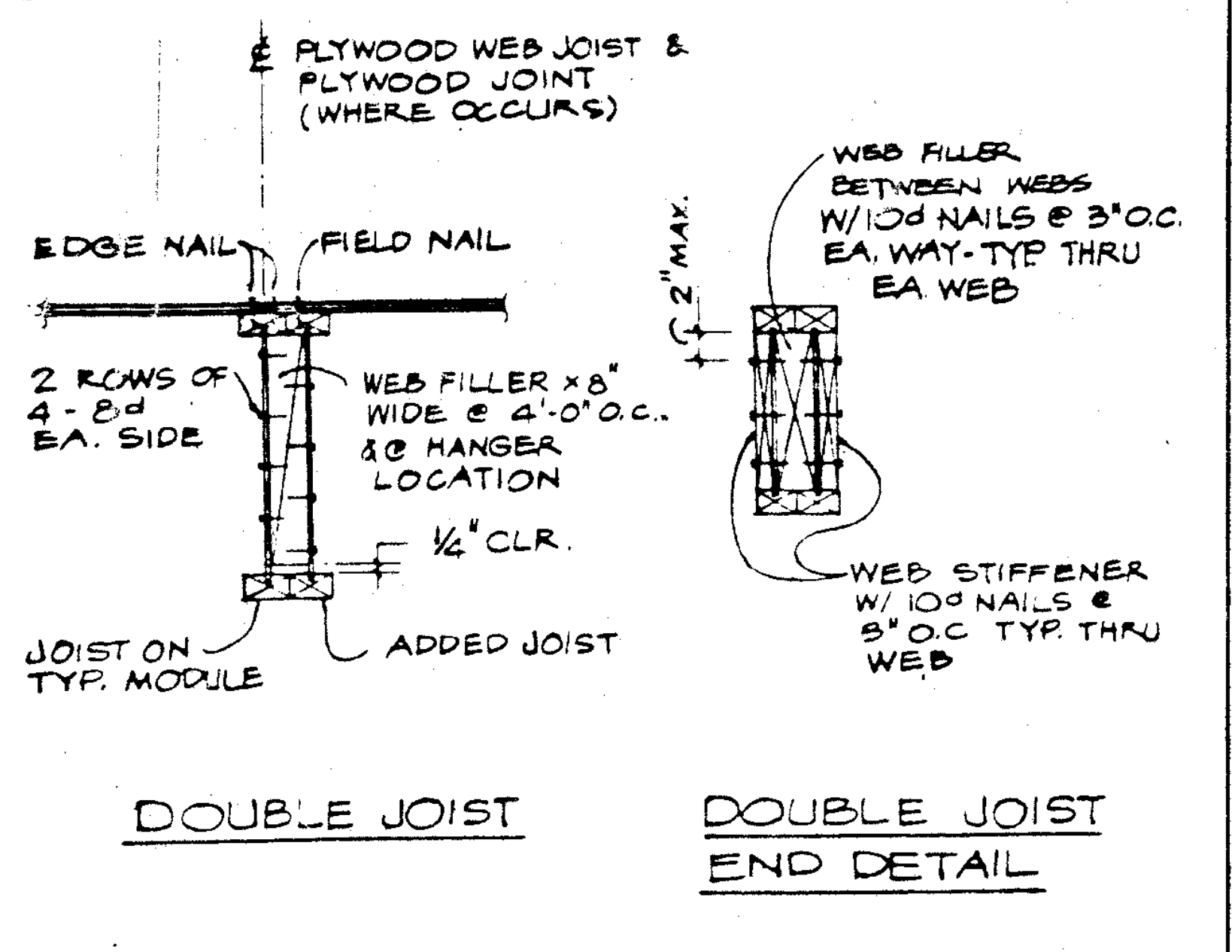
    BOTTOM OF FOOTING SHALL BE ESTABLISHED MINIMUM 12" BELOW LOWEST ADJACENT FINAL GRADE AT 1 STORY STRUCTURE. MINIMUM 18" AT 2 STORY STRUCTURE

11. PLYWOOD WEB JOISTS SCHEDULE - SEE 19/TS-3
12. HIGH STRENGTH BOLTS, WHERE REQUIRED PER DRAWING, SHALL CONFORM TO A.S.T.M. A-325 FRICTION TYPE. INSTALLATION OF HIGH STRENGTH BOLTS SHALL CONFORM TO "THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING A.S.T.M. A-325 OR A-490 BOLTS" AND SHALL HAVE CONTINUOUS INSPECTION.

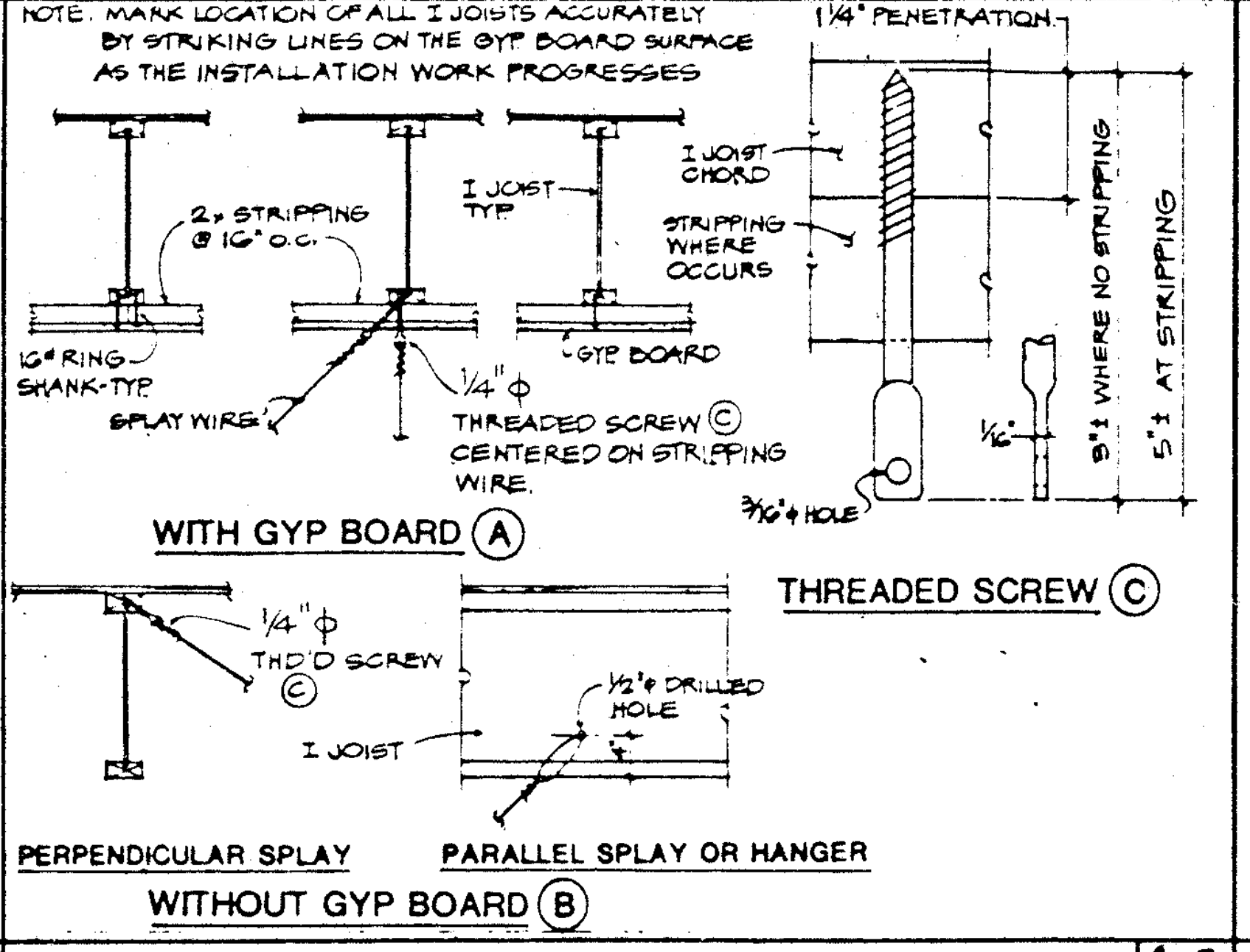
GENERAL NOTES


HOLES FOR 10d NAILS
JOIST DEPTH "H"
NOTES
1) FOR DBL. I JOIST END DETAIL SEE 19/TS1
2) WHERE MULTIPLE JOIST OCCUR - USE SIMPSON W-HANGER OR EQUIV.
3) AT SLOPING SKEWED CONDITIONS USE SKEWED HANGER 5/TS1
4) AT SLOPING CONDITIONS USE SIMPSON DOWN SLOPED "B" HANGER
2 3/16 FOR TJI/35
3 9/16 FOR TMI
WEB STIFFENER EACH SIDE OF WEB - 8d @ 3" O.C. VERT. (NAILS FROM EITHER SIDE COUNTING)
2 1/2" MIN.
TYPICAL HANGER
SIMPSON IT HANGER OR EQUIV. ICBO NO. 1258
SINGLE I JOIST END DETAIL

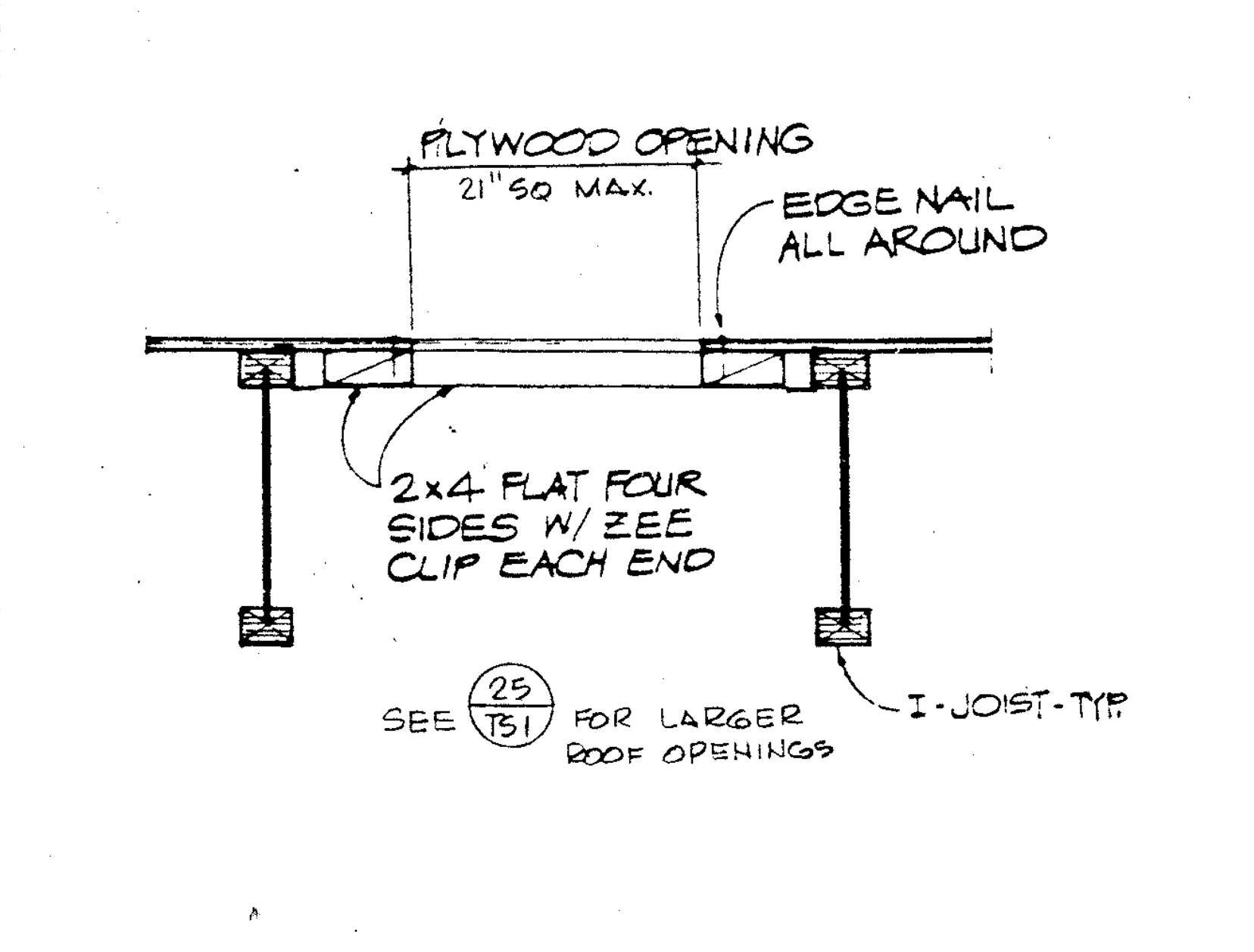
I-JOIST HANGER 24


PLYWOOD WEB JOIST & PLYWOOD JOINT (WHERE OCCURS)
EDGE NAIL
FIELD NAIL
2 ROWS OF 4-8d EA. SIDE
WEB FILLER x 8" @ 4'-0" O.C. & @ HANGER LOCATION
WEB FILLER BETWEEN WEBS W/ 10d NAILS @ 3" O.C. EA. WAY - TYP THRU EA WEB
1/8" CLR.
JOIST ON TYP. MODULE
ADDED JOIST
WEB STIFFENER W/ 10d NAILS @ 3" O.C. TYP. THRU WEB
DOUBLE JOIST
DOUBLE JOIST END DETAIL

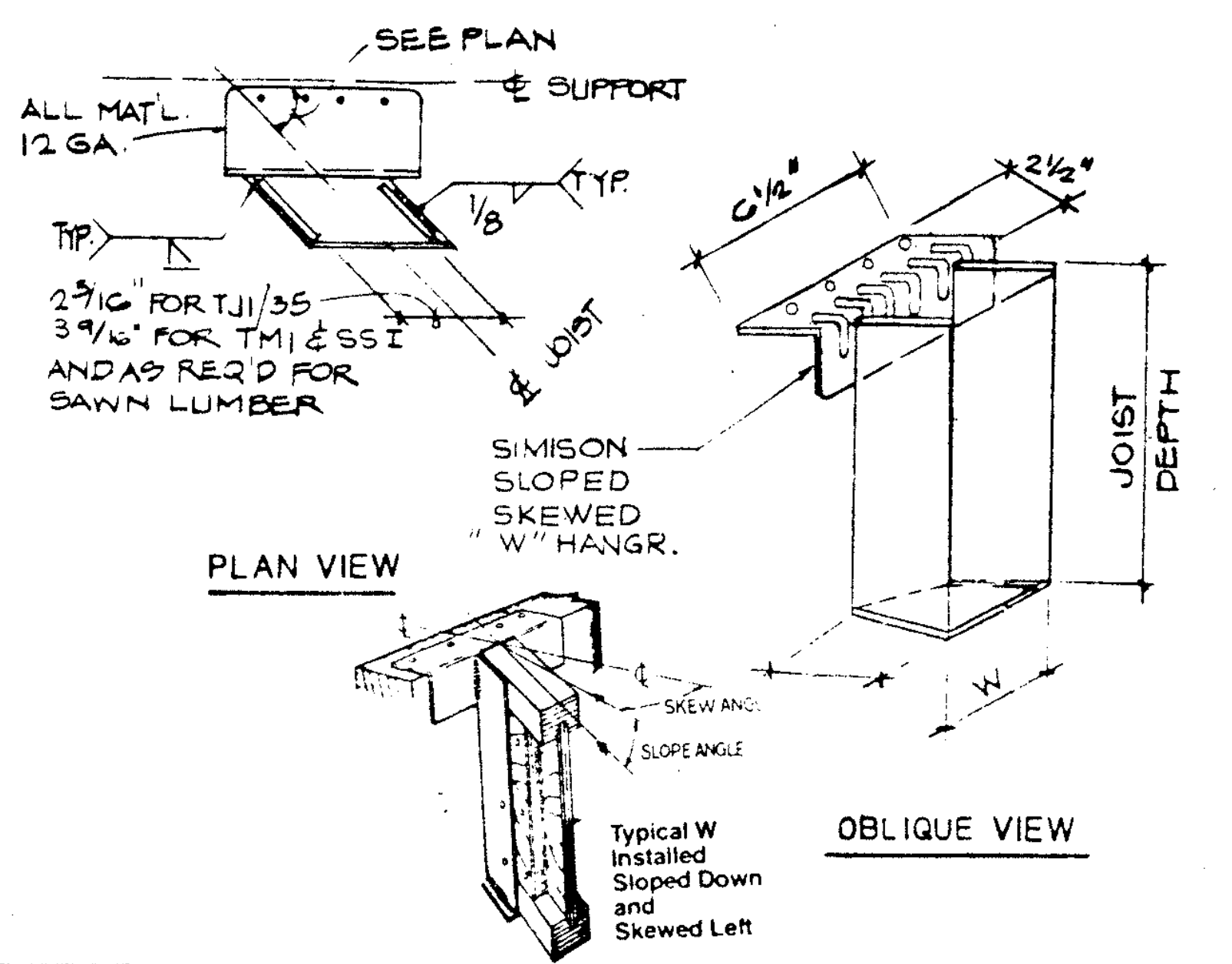
DBL PLYWOOD JOIST DETAIL 19


NOTE: MARK LOCATION OF ALL I-JOISTS ACCURATELY BY STRIKING LINES ON THE GYP BOARD SURFACE AS THE INSTALLATION WORK PROGRESSES
1 1/4" PENETRATION
2x STRIPPING @ 16" O.C.
12 GA. SHANK-TYP
SPLAY WIRE
I-JOIST CHORD
STRIPPING WHERE OCCURS
GYP BOARD
1/4" Ø THREADED SCREW © CENTERED ON STRIPPING
WITH GYP BOARD A
THREADED SCREW C
PERPENDICULAR SPLAY
PARALLEL SPLAY OR HANGER
WITHOUT GYP BOARD B

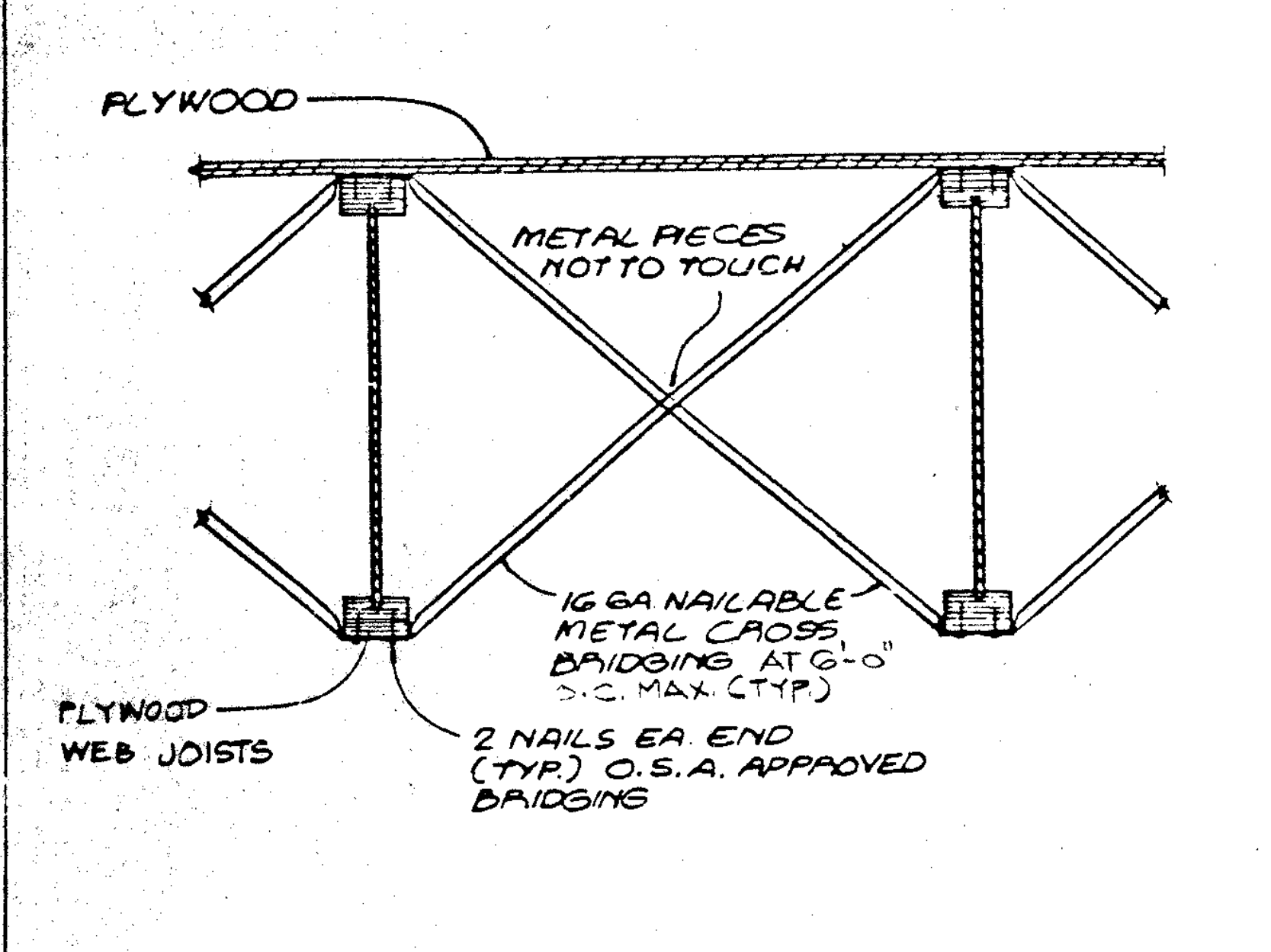
CEILING WIRE HANGER DETAILS 14


PLYWOOD OPENING
21" SQ. MAX.
EDGE NAIL ALL AROUND
2x4 FLAT FOUR SIDES W/ ZEE CLIP EACH END
SEE 25/TS1 FOR LARGER ROOF OPENINGS
I-JOIST-TYP

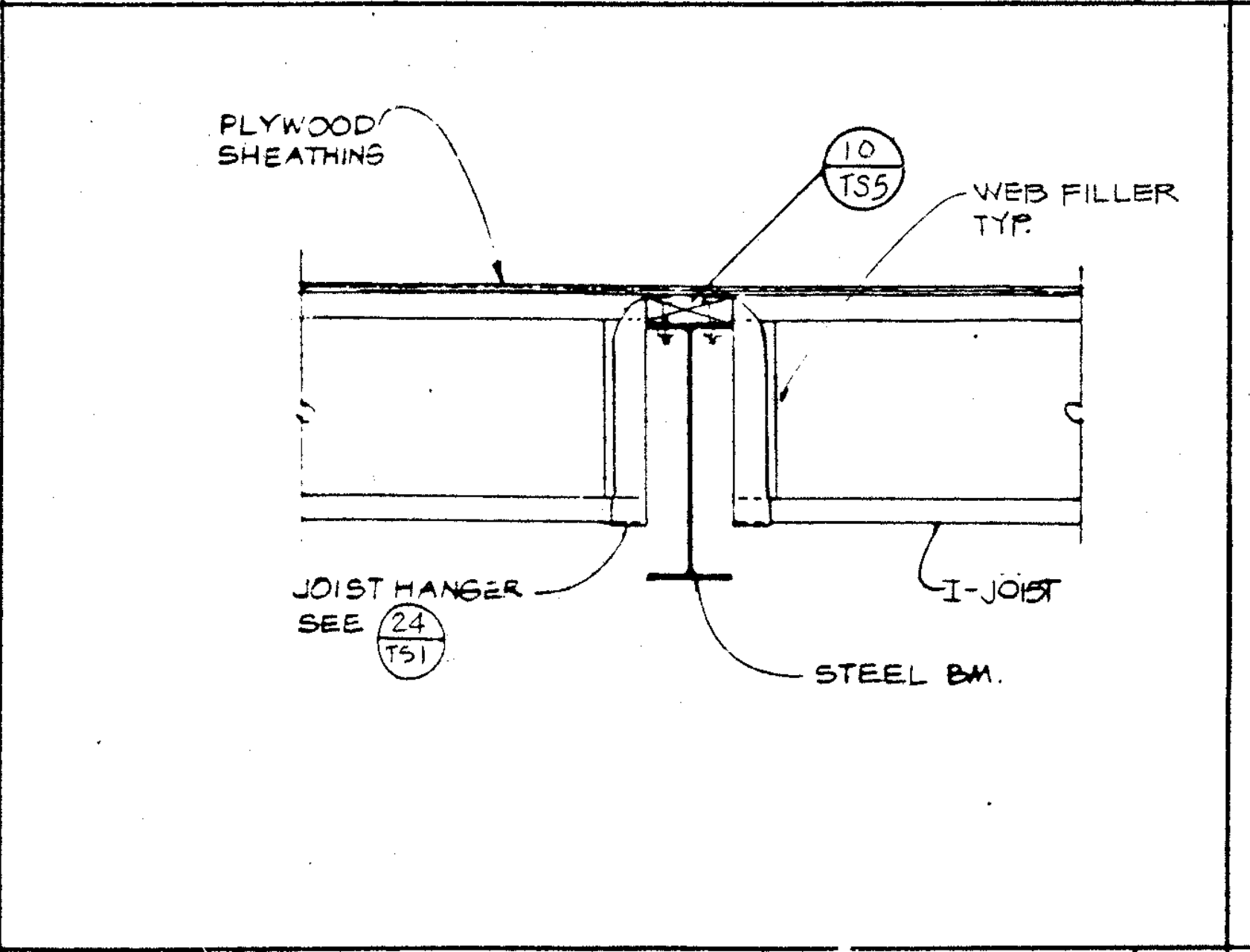
DETAIL 10


SEE PLAN
℄ SUPPORT
ALL MAT'L 12 GA.
TYP.
2 3/16" FOR TJI/35
3 9/16" FOR TMI & SSI
AND AS REQ'D FOR SAWN LUMBER
SIMPSON SLOPED SKEWED "W" HANGR.
PLAN VIEW
JOIST DEPTH
Typical W Installed Sloped Down and Skewed Left
OBLIQUE VIEW

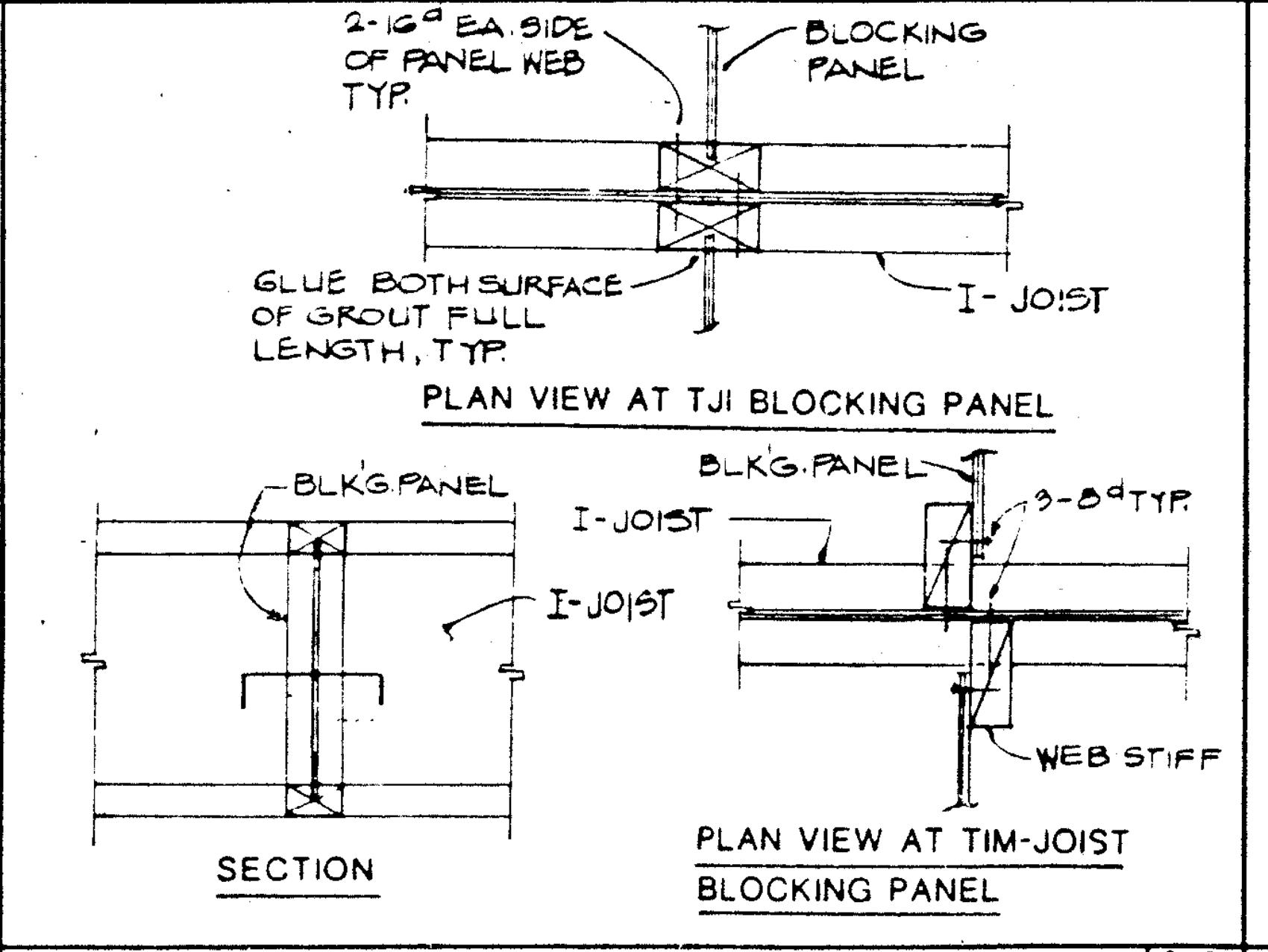
TYP. SKEWED HANGER 5


PLYWOOD
METAL PIECES NOT TO TOUCH
16 GA NAILABLE METAL CROSS BRIDGING AT 6'-0" O.C. MAX (TYP.)
PLYWOOD WEB JOISTS
2 NAILS EA. END (TYP.) O.S.A. APPROVED BRIDGING

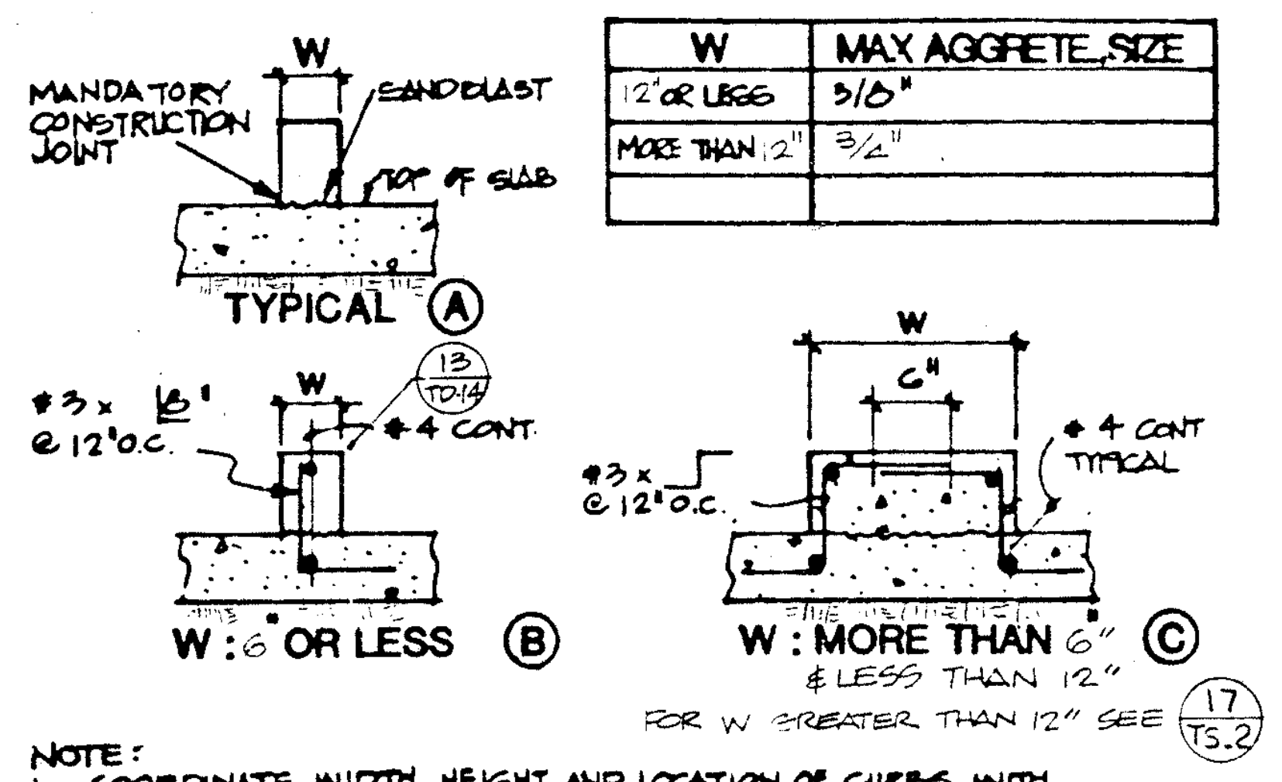
PLYWOOD WEB JOIST BRIDGING 23


PLYWOOD SHEATHING
10/TS5
WEB FILLER TYP.
JOIST HANGER SEE 24/TS1
I-JOIST
STEEL BM.

ROOF JOIST/STEEL BEAM 18


2-16d EA SIDE OF PANEL WEB TYP.
BLOCKING PANEL
GLUE BOTH SURFACE OF GROUT FULL LENGTH, TYP.
I-JOIST
PLAN VIEW AT TJI BLOCKING PANEL
BLK'G PANEL
3-8d TYP.
WEB STIFF
SECTION
PLAN VIEW AT TIM-JOIST BLOCKING PANEL

I-JOIST BLOCKING PANEL 13


MANDATORY CONSTRUCTION JOINT
W
SANDBLAST
TOP OF SLAB
TYPICAL A
#3 x 16" @ 12" O.C.
13/TD.14
#4 CONT.
W : 6" OR LESS B
6"
#3 x @ 12" O.C.
#4 CONT TYPICAL
W : MORE THAN 6" & LESS THAN 12" C
FOR W GREATER THAN 12" SEE 17/TS.2

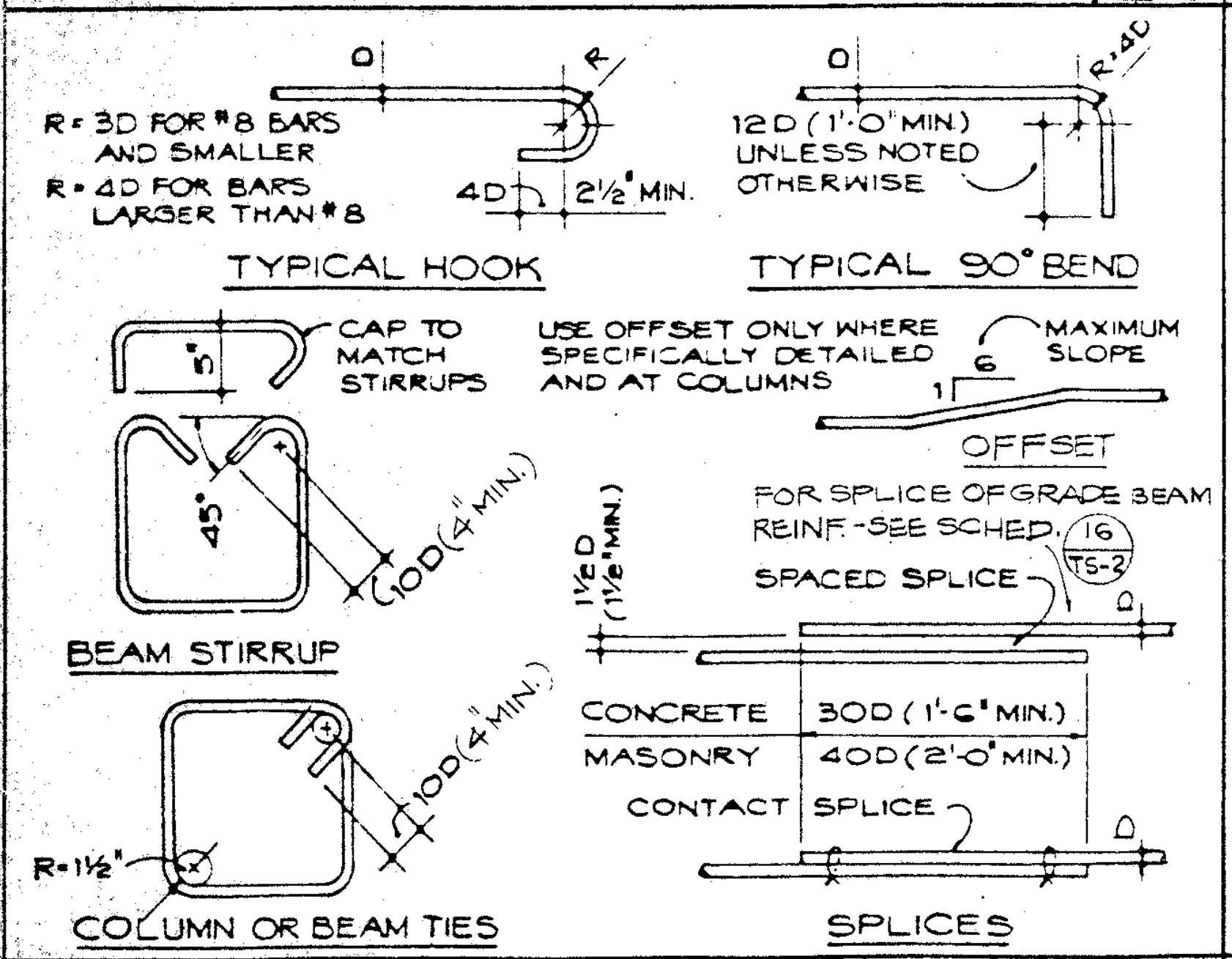
W	MAX AGGRETE SIZE
12" OR LESS	3/8"
MORE THAN 12"	3/4"

NOTE:
1. COORDINATE WIDTH, HEIGHT AND LOCATION OF CURBS WITH ARCHITECTURAL DRAWINGS. FOR LOCATION SEE FDN. PLANS.
2. SEE STRUCTURAL SECTIONS FOR CURB REINFORCING AT SHEAR WALLS, BEARING WALLS, EXTERIOR WALLS AND SPECIAL CONDITIONS.

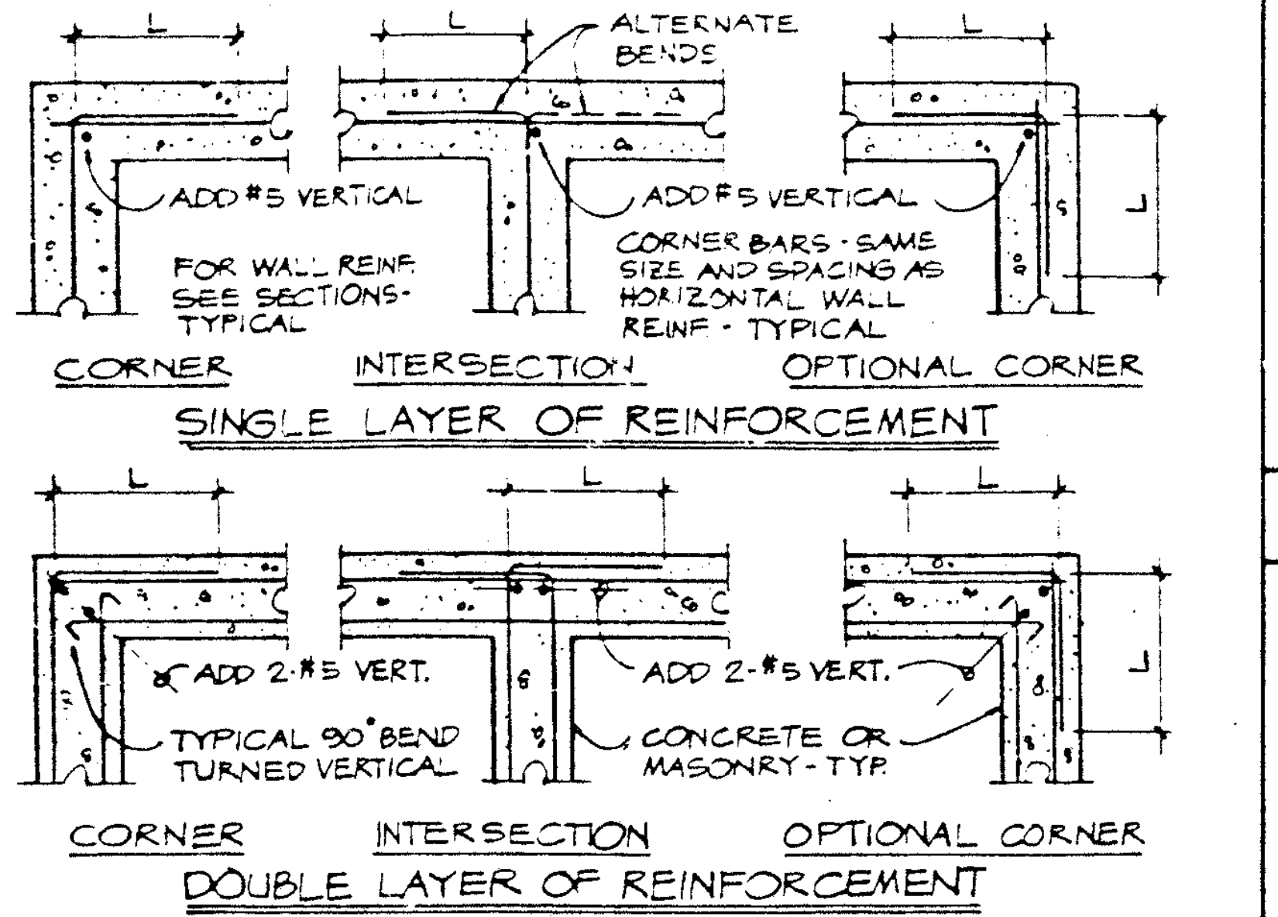
CURB DETAIL 9

STRUCTURAL DRAWINGS INDEX

TS-1		Typical Details and General Notes	
TS-2		Typical Foundation Details	
TS-3		Typical Masonry Details AND STEEL DETAILS	
TS-4		Typical Wood Framing Details	
TS-5		Typical Details	
TS-6		Typical Sections & Details	
TS-7		Typical Sections & Details	
TS-8		Typical Sections & Details	
TS-9		Sections & Details	
TS-10	△A	Sections & Details	
S-101		Foundation Plan (PHYSICAL EDUCATION)	- Bldg. No. 1
S-102		Foundation Plan (PERFORMING ARTS) N.I.C.	- Bldg. No. 1
S-103		Roof Framing Plan (PHYSICAL EDUCATION)	- Bldg. No. 1
S-104	N.I.C.	Roof Framing & Mech. Platform Framing Plan	- Bldg. No. 1
S-111	△A	Roof Truss Elev./Details	- Bldg. No. 1
S-112		Sections & Details	- Bldg. No. 1
S-113		Wall Elevations	- Bldg. No. 1
S-114		Wall Elevations/Details	- Bldg. No. 1
S-115		Sections	- Bldg. No. 1
S-116	△A	Sections and Details	- Bldg. No. 1
S-121		Elevations	- Bldg. No. 1
S-122		Sections	- Bldg. No. 1
S-123		Sections N.I.C.	- Bldg. No. 1
S-124		Steel Details	- Bldg. No. 1
S-125		Catwalk & Loading Bridge Details & Sections	- Bldg. No. 1
S-126		Elevations, Sections & Details	- Bldg. No. 1
S-127		Sections & Details	- Bldg. No. 1
S-128		Loading Bridge, Sections & Details	- Bldg. No. 1
S-129	*	Sections & Details	- Bldg. No. 1
S-201		Foundation & Roof Framing Plan	- Bldg. No. 2
S-202		Sections and Details	- Bldg. No. 2
[illegible]		[illegible]	- Bldg. No. 2
S-301		Foundation & Roof Framing Plan	- Bldg. No. 3
S-401	△A	Foundation & Roof Framing Plan N.I.C.	- Bldg. No. 4
S-501	**	Foundation & Roof Framing Plan	- Bldg. No. 5
S-601		Foundation & Roof Framing Plan N.I.C.	- Bldg. No. 6
S-701	△A	Foundation & Roof Framing Plan	- Bldg. No. 7
S-801		Foundation & Roof Framing Plan	- Bldg. No. 8
S-901		Foundation & Roof Framing Plan N.I.C.	- Bldg. No. 9
S-1001	△A	Foundation & 2nd Floor Framing Plan	- Bldg. No. 10
S-1002		Roof Framing Plans	- Bldg. No. 10
S-1011		Building Sections	- Bldg. No. 10
S-1012		Sections & Details	- Bldg. No. 10
S-1013		Sections	- Bldg. No. 10
S-1014		Elevations, Sections & Details	- Bldg. No. 10
S-1015		Sections	- Bldg. No. 10
S-1016		Sections & Details	- Bldg. No. 10
S-1101		Foundation & Roof Framing Plan N.I.C.	- Bldg. No. 11
S-1201	△A	Foundation Plan	- Bldg. No. 12
S-1202		Roof Framing Plan	- Bldg. No. 12
S-1203		Elevations, Sections & Details	- Bldg. No. 12
S-1501		Foundation & Roof Framing Plan	- Bldg. No. 15
S-1502		Sections and Details	- Bldg. No. 15
*S-130		SECTIONS & DETAILS N.I.C.	- Bldg. No. 1
**S-502		ELEVATIONS, SECTIONS & DETAILS △A	- Bldg. No. 5

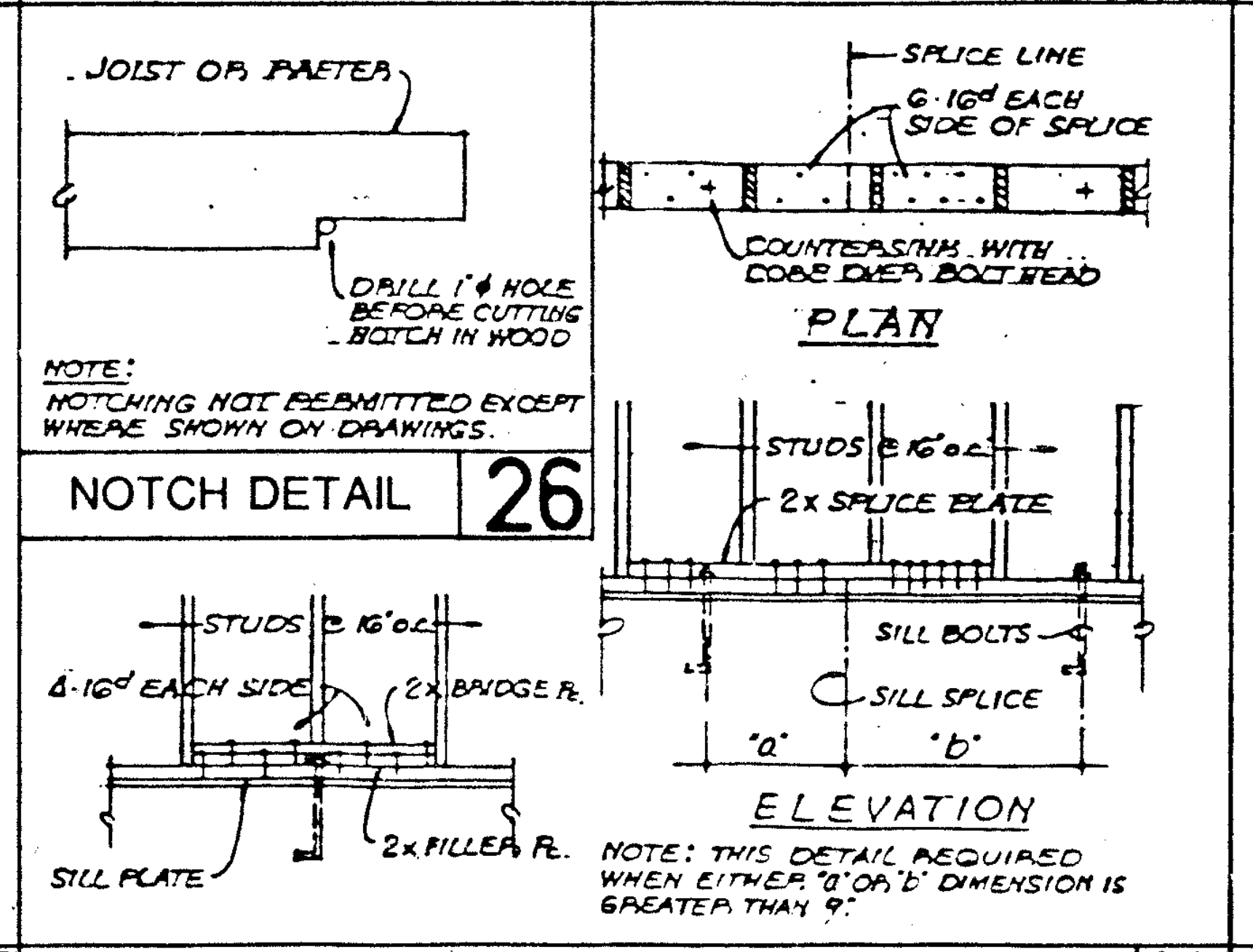

R = 3D FOR #8 BARS AND SMALLER
R = 4D FOR BARS LARGER THAN #8
12D (1'-0" MIN) UNLESS NOTED OTHERWISE
4D 2 1/2" MIN.
TYPICAL HOOK
TYPICAL 90° BEND
CAP TO MATCH STIRRUPS
USE OFFSET ONLY WHERE SPECIFICALLY DETAILED AND AT COLUMNS
MAXIMUM SLOPE
OFFSET
FOR SPLICE OF GRADE BEAM REINF - SEE SCHED.
SPACED SPLICE
BEAM STIRRUP
CONCRETE 30D (1'-0" MIN)
MASONRY 40D (2'-0" MIN)
CONTACT SPLICE
COLUMN OR BEAM TIES
SPLICES

BAR BEND AND SPLICE 22


ALTERNATE BENDS
ADD #5 VERTICAL
FOR WALL REINF. SEE SECTIONS - TYPICAL
CORNER BARS - SAME SIZE AND SPACING AS HORIZONTAL WALL REINF - TYPICAL
CORNER
INTERSECTION
OPTIONAL CORNER
SINGLE LAYER OF REINFORCEMENT
ADD 2-#5 VERT.
TYPICAL 90° BEND TURNED VERTICAL
CONCRETE OR MASONRY - TYP.
DOUBLE LAYER OF REINFORCEMENT

L = 30D OR 1'-6" MINIMUM FOR CONCRETE
L = 40D OR 2'-0" MINIMUM FOR MASONRY

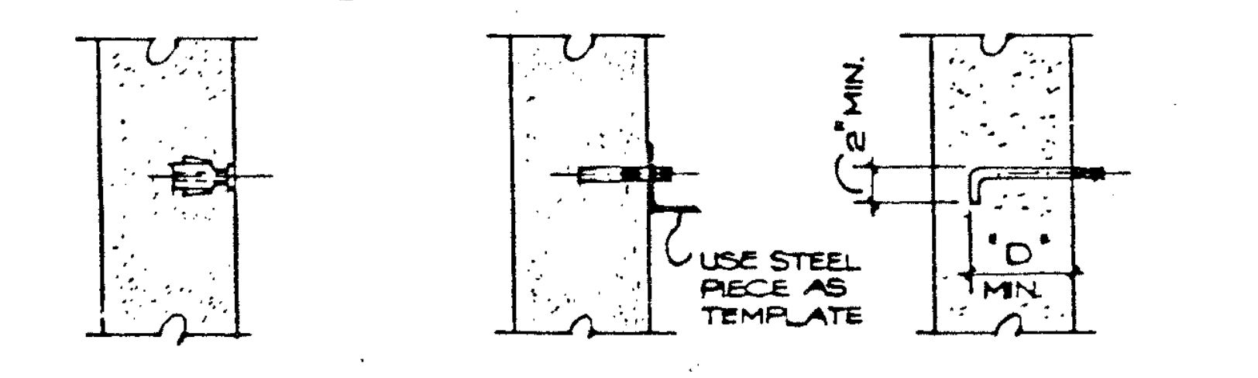
CORNERS AND INTERSECTIONS 17


JOIST OR RAFTER
DRILL 1" Ø HOLE BEFORE CUTTING - NOTCH IN WOOD
NOTE: NOTCHING NOT PERMITTED EXCEPT WHERE SHOWN ON DRAWINGS.
SPLICE LINE
6-16d EACH SIDE OF SPLICE
COUNTERSINK WITH CONC. OVER BOLT HEAD
PLAN
STUDS @ 16" O.C.
2x SPLICE PLATE
4-16d EACH SIDE
2x BRIDGE FL.
SILL BOLTS
SILL SPLICE
SILL PLATE
2x FILLER PL.
ELEVATION
NOTE: THIS DETAIL REQUIRED WHEN EITHER "a" OR "b" DIMENSION IS GREATER THAN 9".

NOTCH DETAIL 26

WOOD SILL PLATE 12

NOTE: DRILLED ANCHORS AND EMBEDDED INSERTS SHALL BE USED ONLY WHERE SPECIFICALLY DETAILED OR FOR THE ATTACHMENT OF MECH., ELEC., OR OTHER MISC. ACCESSORIES OR EQUIPMENT TO THE STRUCTURE. MINIMUM ANCHORAGE SHALL BE 2-3/8" Ø ANCHORS PER CONNECTION.


USE STEEL PIECE AS TEMPLATE
2" MIN.
"D" MIN.

EMBEDDED

ACCEPTABLE MALLEABLE IRON INSERTS:
- RICHMOND "BELL" OR "ROCKET"
- BURKE "HI TENSILE"
- DAYTON SUPERIOR "F-5"

DRILLED

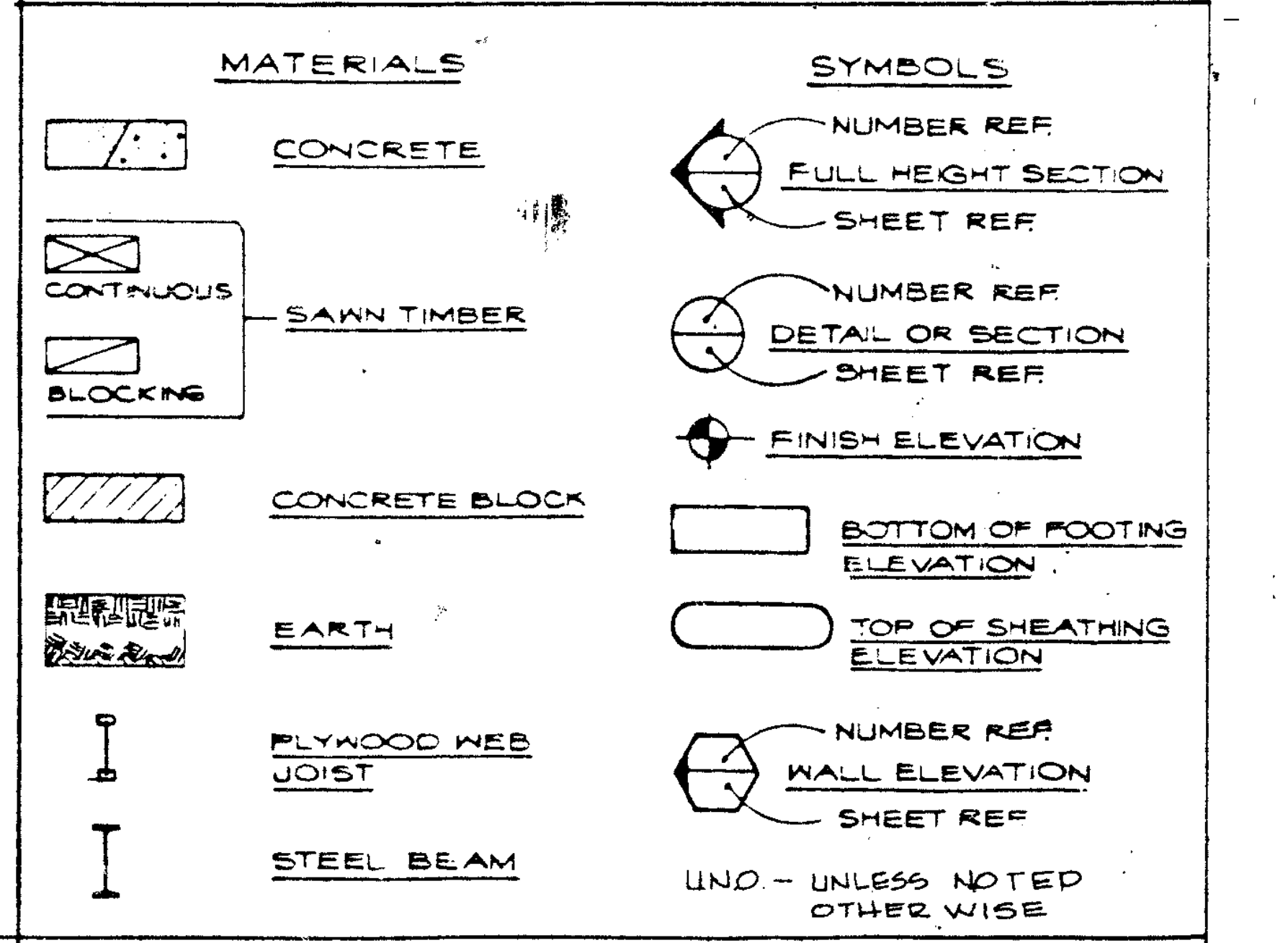
ACCEPTABLE DRILLED ANCHORS:
- PHILLIPS "WEDGE ANCHOR"
- HILTI "KWIK-BOLT"
- "WEJ-IT" EXPANSION BOLT
- RAMSET "TRUBOLT"

CAST-IN

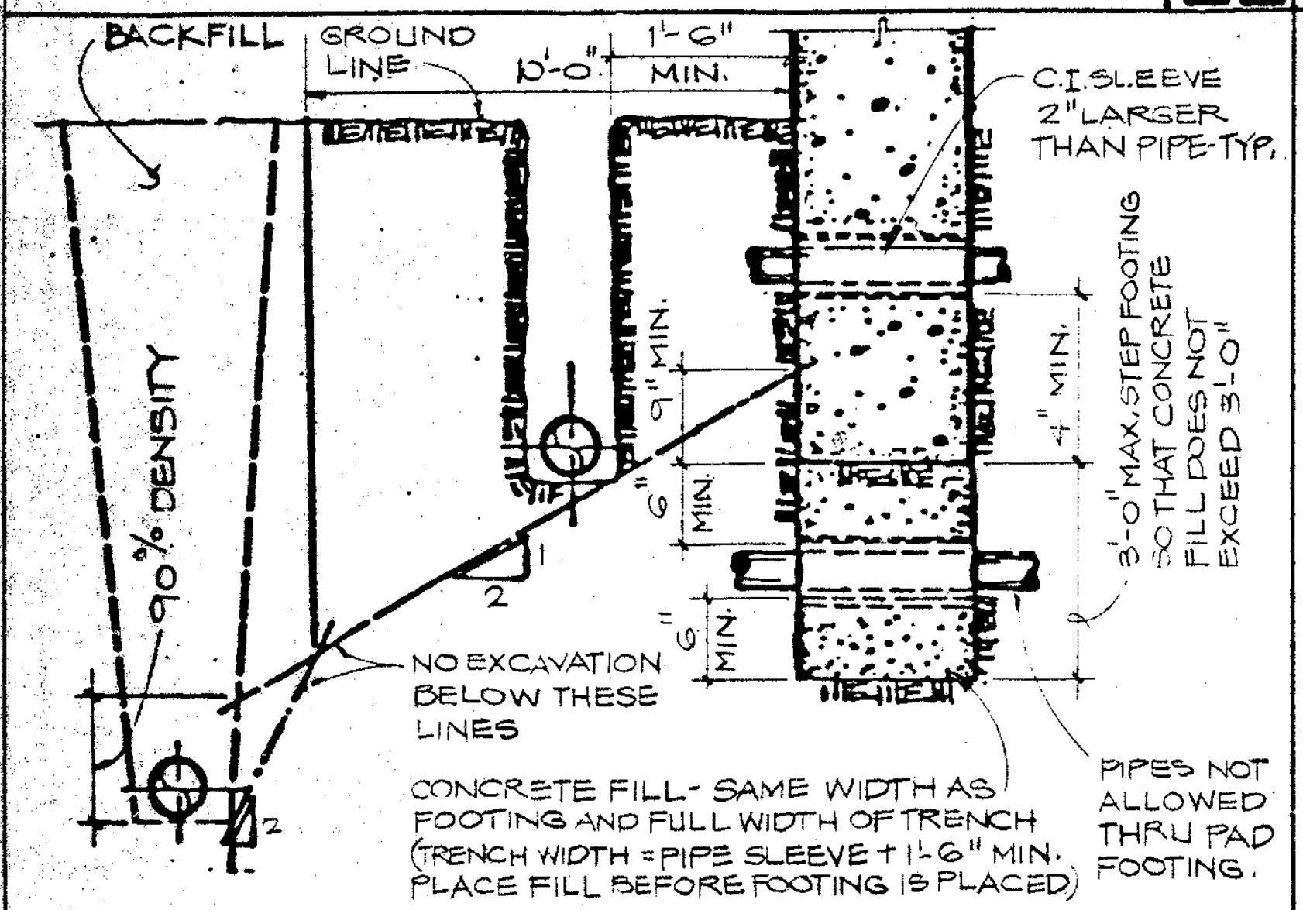
BOLT DIA.	"D" MIN.
1/2" Ø	4"
5/8" Ø	5"
3/4" Ø	6"
7/8" Ø	7"
1" Ø	7"

ANCHORS AND INSERTS 8

SHEET INDEX

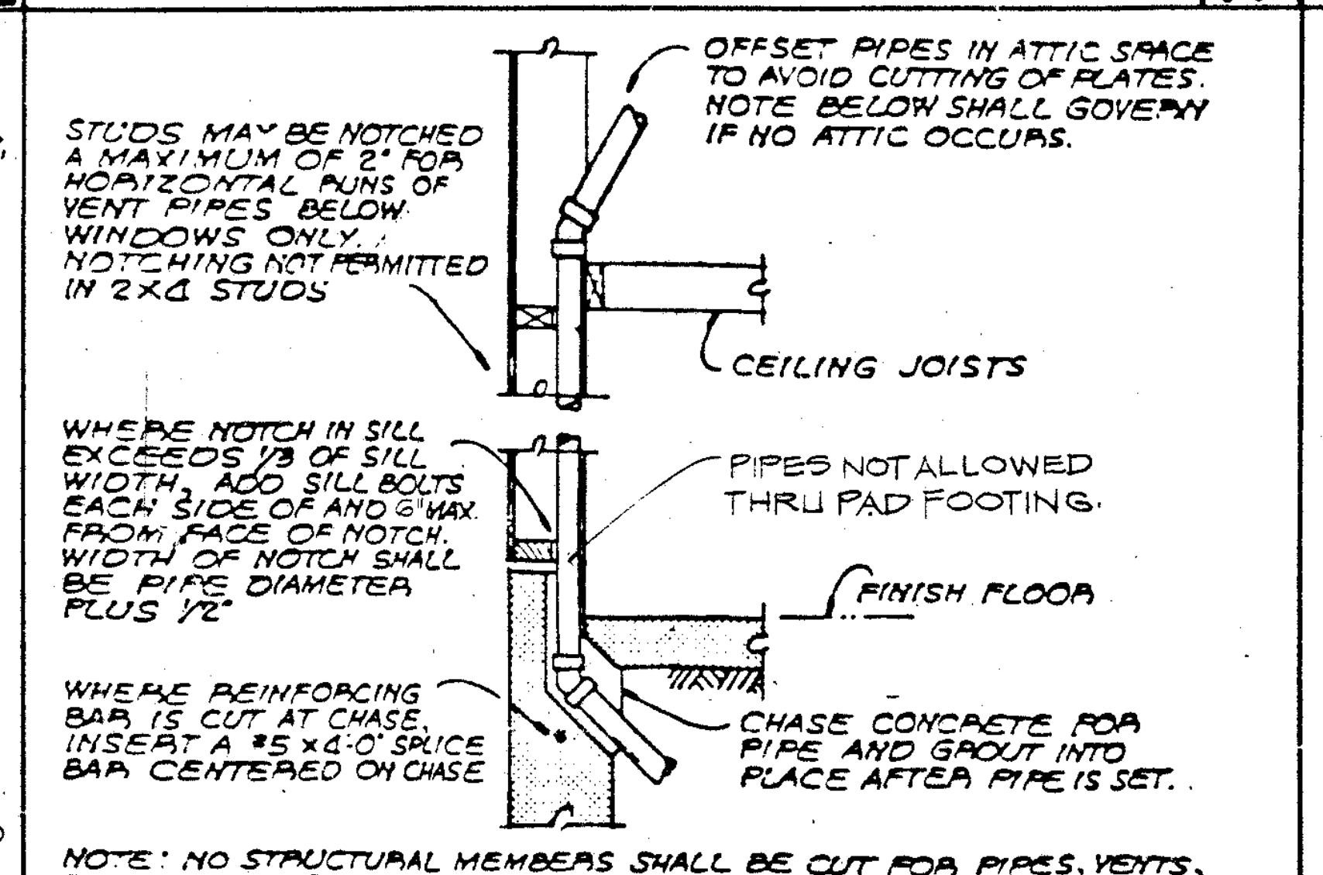

MATERIALS
CONCRETE
CONTINUOUS
BLOCKING
SAWN TIMBER
CONCRETE BLOCK
EARTH
PLYWOOD WEB JOIST
STEEL BEAM
SYMBOLS
NUMBER REF
FULL HEIGHT SECTION
SHEET REF
NUMBER REF
DETAIL OR SECTION
SHEET REF
FINISH ELEVATION
BOTTOM OF FOOTING ELEVATION
TOP OF SHEATHING ELEVATION
NUMBER REF
WALL ELEVATION
SHEET REF
UNO - UNLESS NOTED OTHERWISE

LEGEND


BACKFILL
GROUND LINE
1'-6" MIN.
C.I. SLEEVE 2" LARGER THAN PIPE-TYP.
90% DENSITY
3'-0" MAX. STEP FOOTING SO THAT CONCRETE FILL DOES NOT EXCEED 3'-0"
NO EXCAVATION BELOW THESE LINES
CONCRETE FILL - SAME WIDTH AS FOOTING AND FULL WIDTH OF TRENCH (TRENCH WIDTH = PIPE SLEEVE + 1'-6" MIN. PLACE FILL BEFORE FOOTING IS PLACED)
PIPES NOT ALLOWED THRU PAD FOOTING.

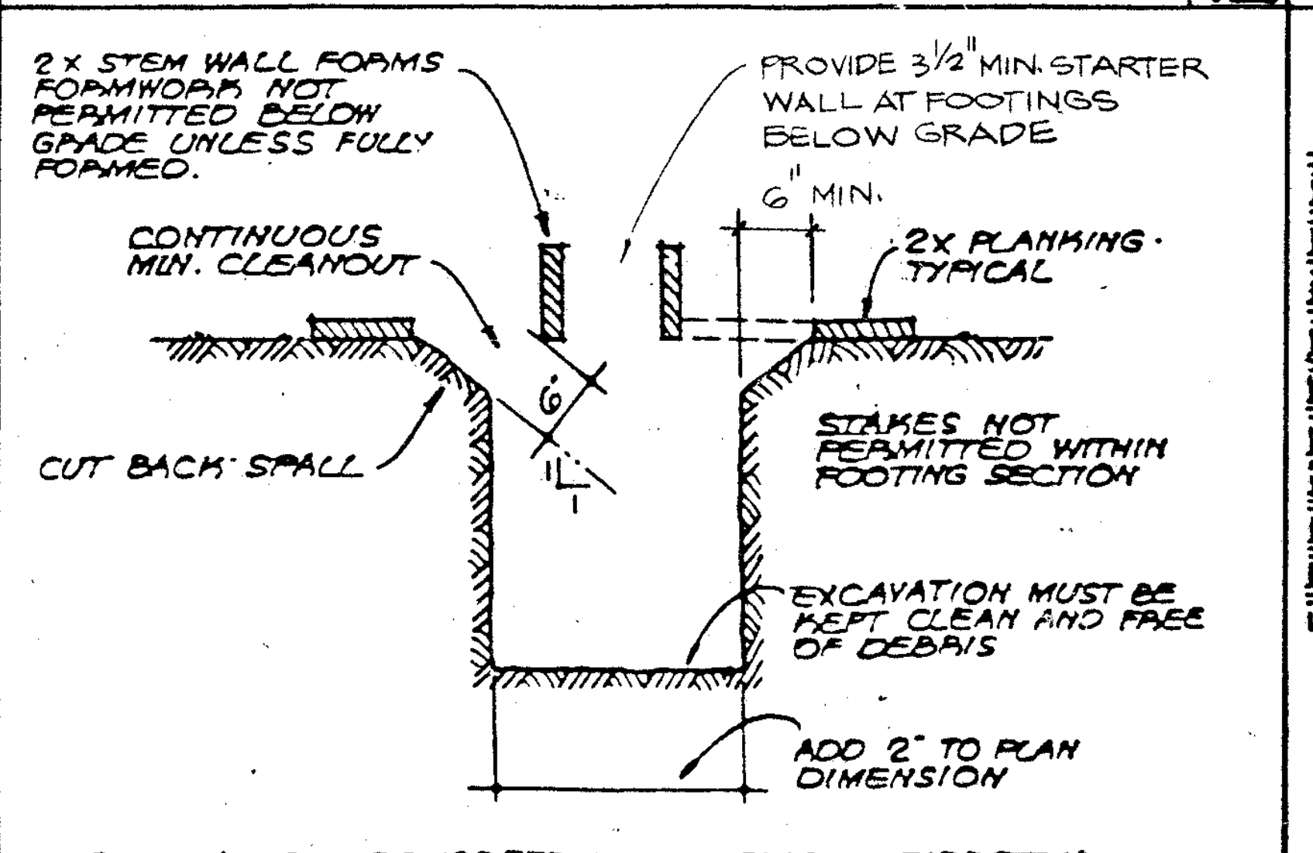
NOTE: FOR PIPES MORE THAN 3'-0" BELOW BOTTOM OF FOOTING, TRENCH MAY BE PACK FILLED WITH CONTROLLED, COMPACTED FILL.

PIPE THRU FOOTING 21


STUDS MAY BE NOTCHED A MAXIMUM OF 2" FOR HORIZONTAL RUNS OF VENT PIPES BELOW WINDOWS ONLY. NOTCHING NOT PERMITTED IN 2x4 STUDS
OFFSET PIPES IN ATTIC SPACE TO AVOID CUTTING OF PLATES. NOTE BELOW SHALL GOVERN IF NO ATTIC OCCURS.
CEILING JOISTS
WHERE NOTCH IN SILL EXCEEDS 1/3 OF SILL WIDTH, ADD SILL BOLTS EACH SIDE OF AND 6" MAX. FROM FACE OF NOTCH. WIDTH OF NOTCH SHALL BE PIPE DIAMETER PLUS 1/2"
PIPES NOT ALLOWED THRU PAD FOOTING.
FINISH FLOOR
WHERE REINFORCING BAR IS CUT AT CHASE, INSERT A #5 x 4'-0" SPLICE BAR CENTERED ON CHASE
CHASE CONCRETE FOR PIPE AND GROUT INTO PLACE AFTER PIPE IS SET.

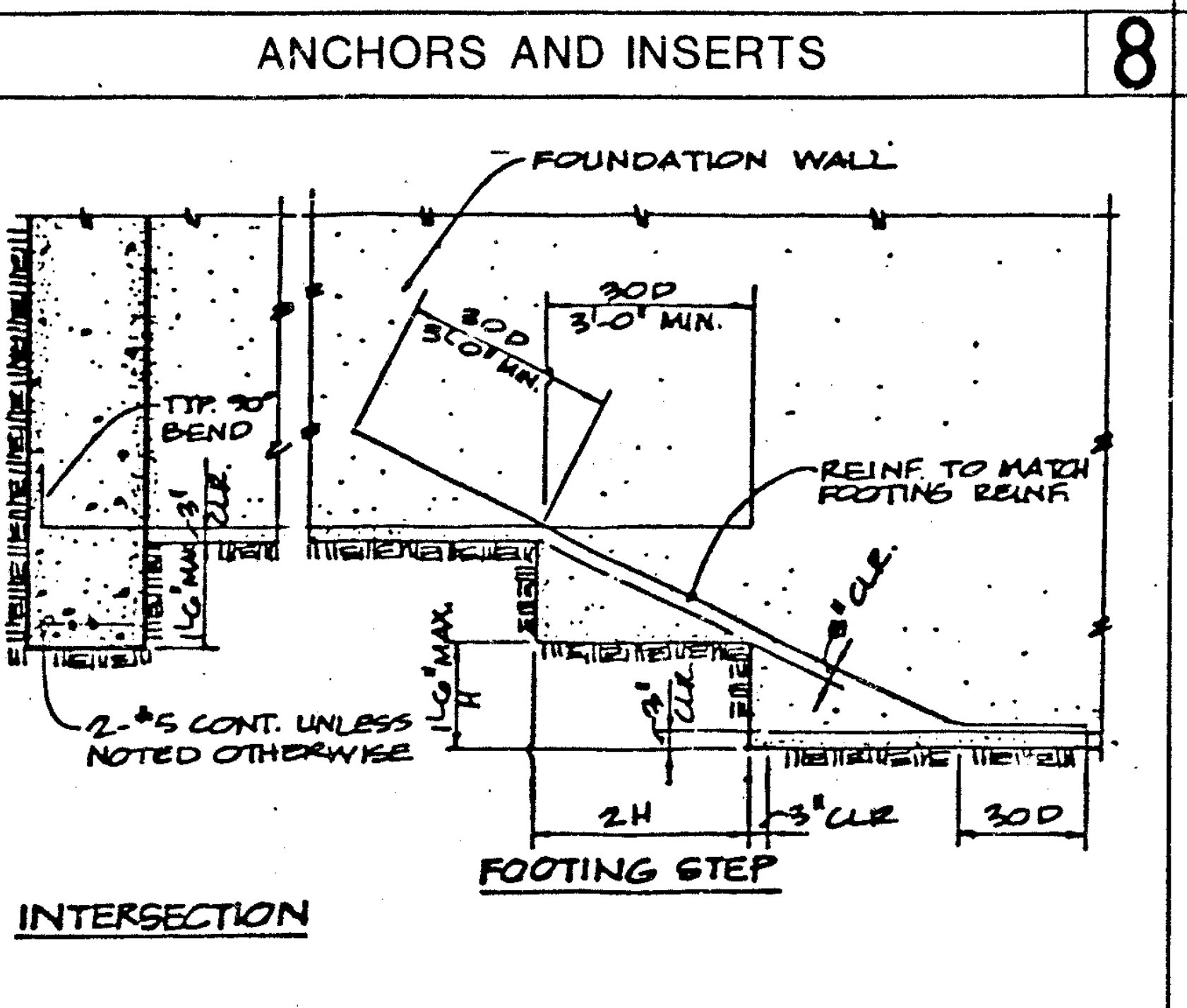
NOTE: NO STRUCTURAL MEMBERS SHALL BE CUT FOR PIPES, VENTS, DUCTS AND OTHER SIMILAR OPENINGS EXCEPT AS DETAILED OR SPECIFIED.
LIMITS SET BY THIS DETAIL SHALL APPLY TO ALL BEARING AND EXTERIOR WALLS AND WALLS IN WHICH SHEAR PANELS OCCUR.

PLUMBING IN WALL 16

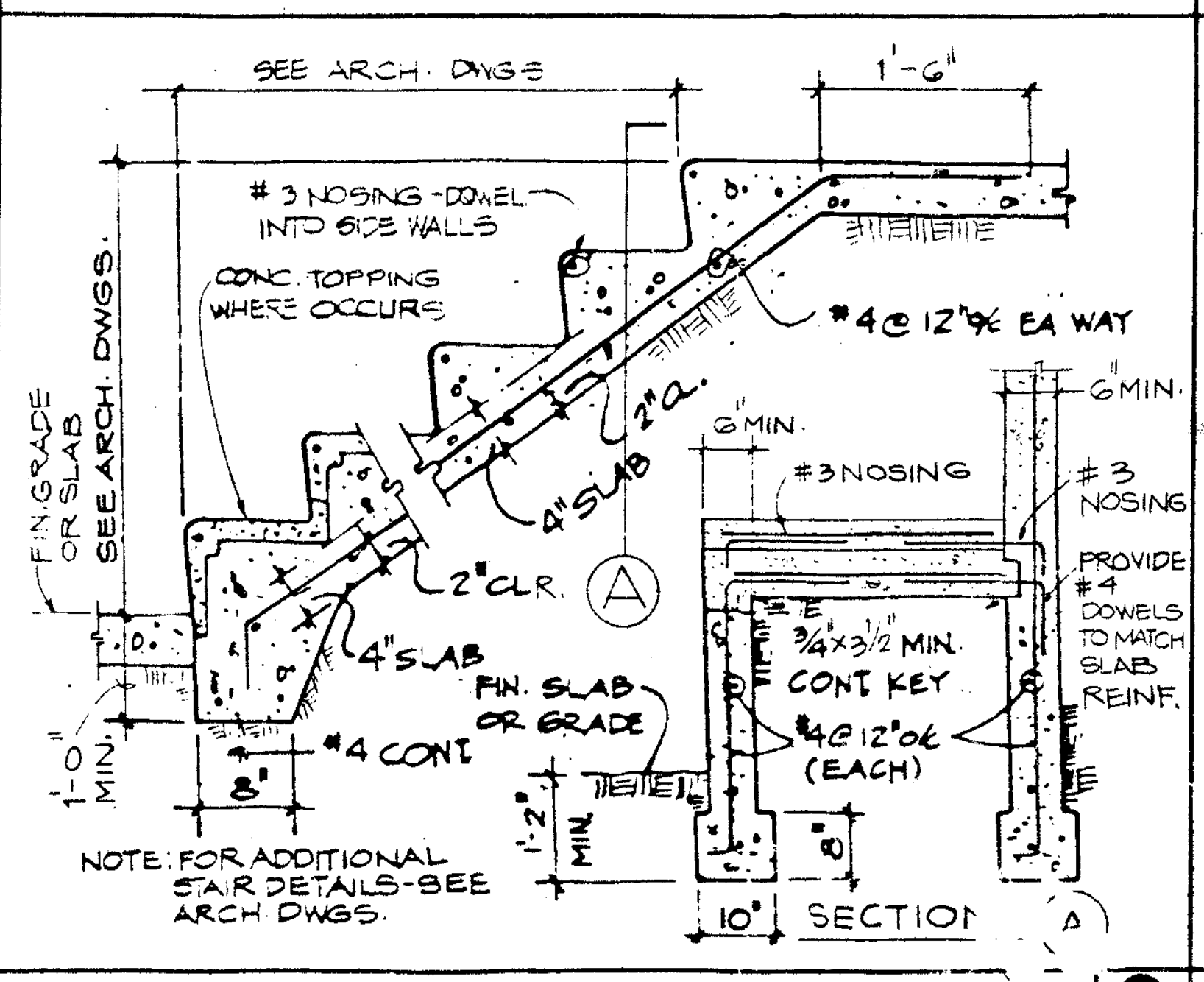

2x STEM WALL FORMS FORMWORK NOT PERMITTED BELOW GRADE UNLESS FULLY FORMED.
PROVIDE 3 1/2" MIN. STARTER WALL AT FOOTINGS BELOW GRADE
6" MIN.
CONTINUOUS MIN. CLEANOUT
2x PLANKING TYPICAL
CUT BACK SPALL
STAKES NOT PERMITTED WITHIN FOOTING SECTION
EXCAVATION MUST BE KEPT CLEAN AND FREE OF DEBRIS
ADD 2" TO PLAN DIMENSION

FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE ARCHITECT (STRUCTURAL ENGINEER) SUBJECT TO THE APPROVAL OF THE OFFICE OF THE STATE ARCHITECT.

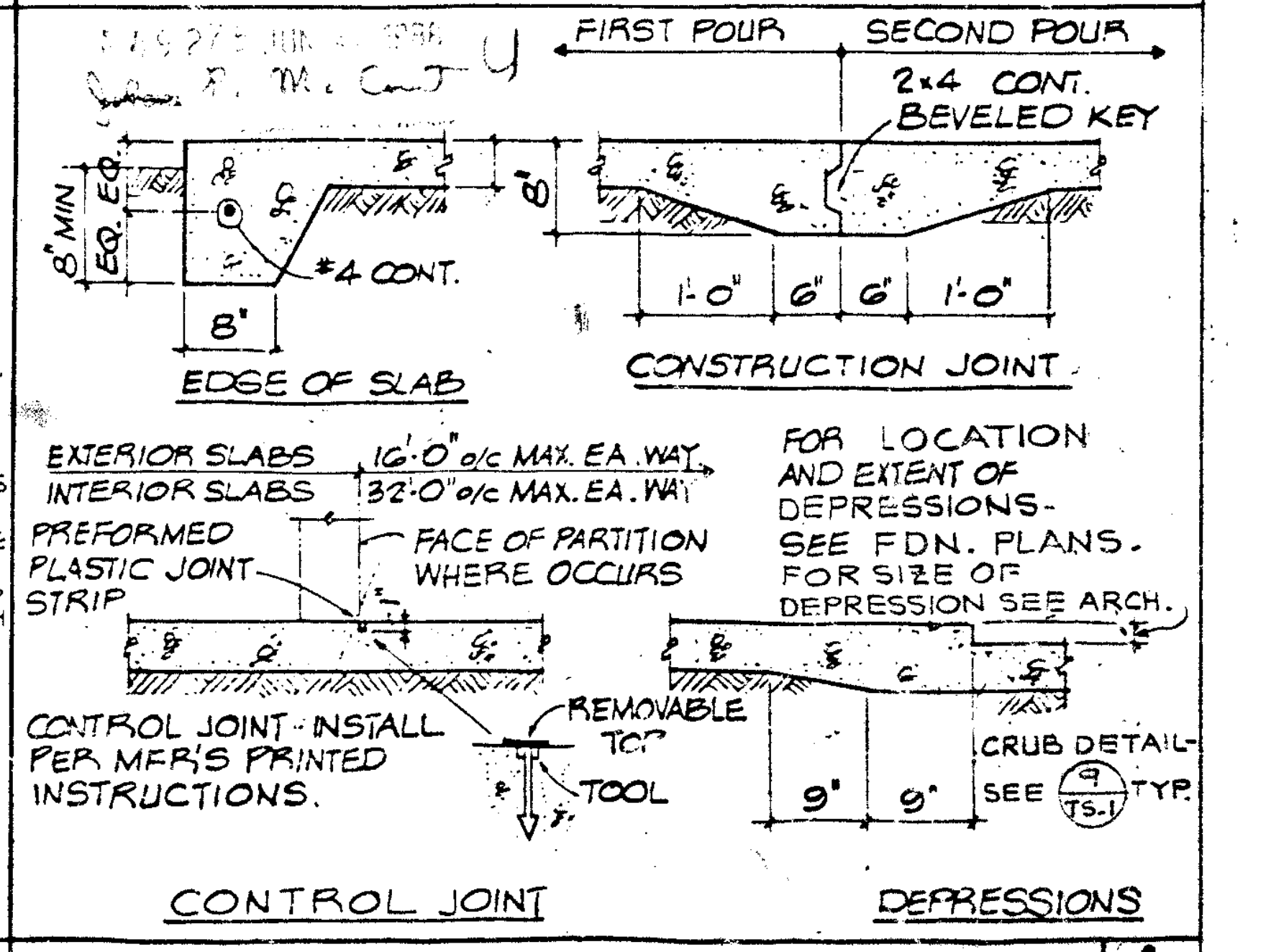
MANDATORY FOOTING FORMWORK 11


FOUNDATION WALL
30D
3'-0" MIN.
TYP. 90° BEND
2-#5 CONT. UNLESS NOTED OTHERWISE
INTERSECTION
FOOTING STEP
2H

FOOTING STEP 7


SEE ARCH. DWGS
1'-6"
#3 NOSING - DOWEL INTO SIDE WALLS
CONC. TOPPING WHERE OCCURS
#4 @ 12" O.C. EA WAY
#4 SLAB
2" CLR.
#3 NOSING
PROVIDE #4 DOWELS TO MATCH SLAB REINF.
#4 CONT
3/4" x 3 1/2" MIN. CONT KEY
#4 @ 12" O.C. (EACH)
FIN. SLAB OR GRADE
SECTION A
NOTE: FOR ADDITIONAL STAIR DETAILS - SEE ARCH DWGS.

STAIRS ON GRADE 2


FIRST POUR
SECOND POUR
2x4 CONT. BEVELED KEY
#4 CONT.
EDGE OF SLAB
CONSTRUCTION JOINT
EXTERIOR SLABS 10'-0" o/c MAX. EA. WAY
INTERIOR SLABS 32'-0" o/c MAX. EA. WAY
PREFORMED PLASTIC JOINT STRIP
FACE OF PARTITION WHERE OCCURS
CONTROL JOINT - INSTALL PER MFR'S PRINTED INSTRUCTIONS.
REMOVABLE "TC" TOOL
FOR LOCATION AND EXTENT OF DEPRESSIONS - SEE FDN. PLANS. FOR SIZE OF DEPRESSION SEE ARCH.
CRUB DETAIL - SEE 9/TS-1 TYP.
CONTROL JOINT
DEPRESSIONS

SLAB ON GRADE 1

Drawn By MK
Checked By EF
Date MAR 1988
Commission No 1.30.02

Revisions
△A 6-29-88 PHASE

Brandow & Johnston Assoc.
Structural Engineers

REGISTERED PROFESSIONAL ENGINEER MAMORU E. KANDA No. 956 EXP 12-31-88

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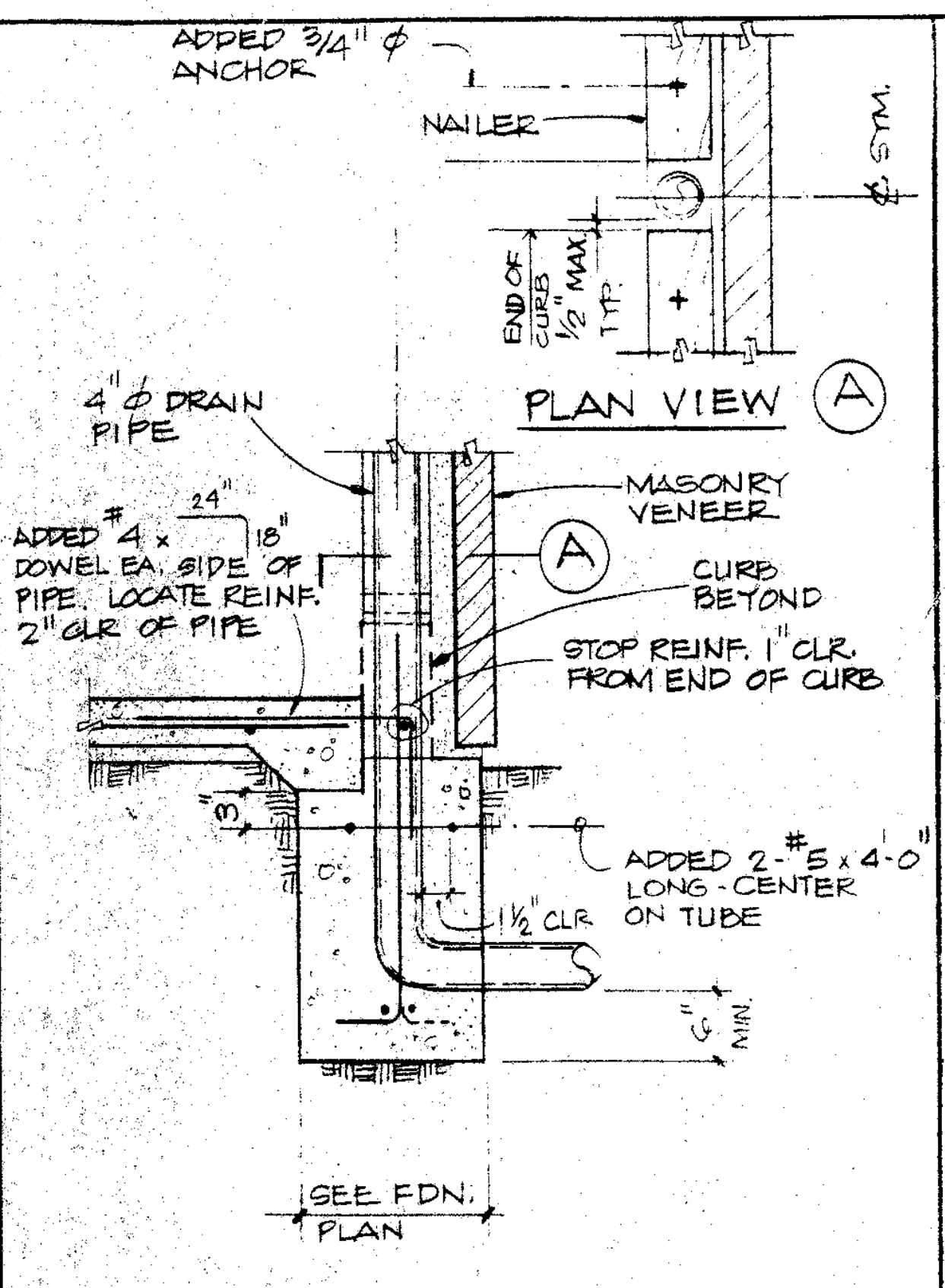
ARCHITECT
C-6497

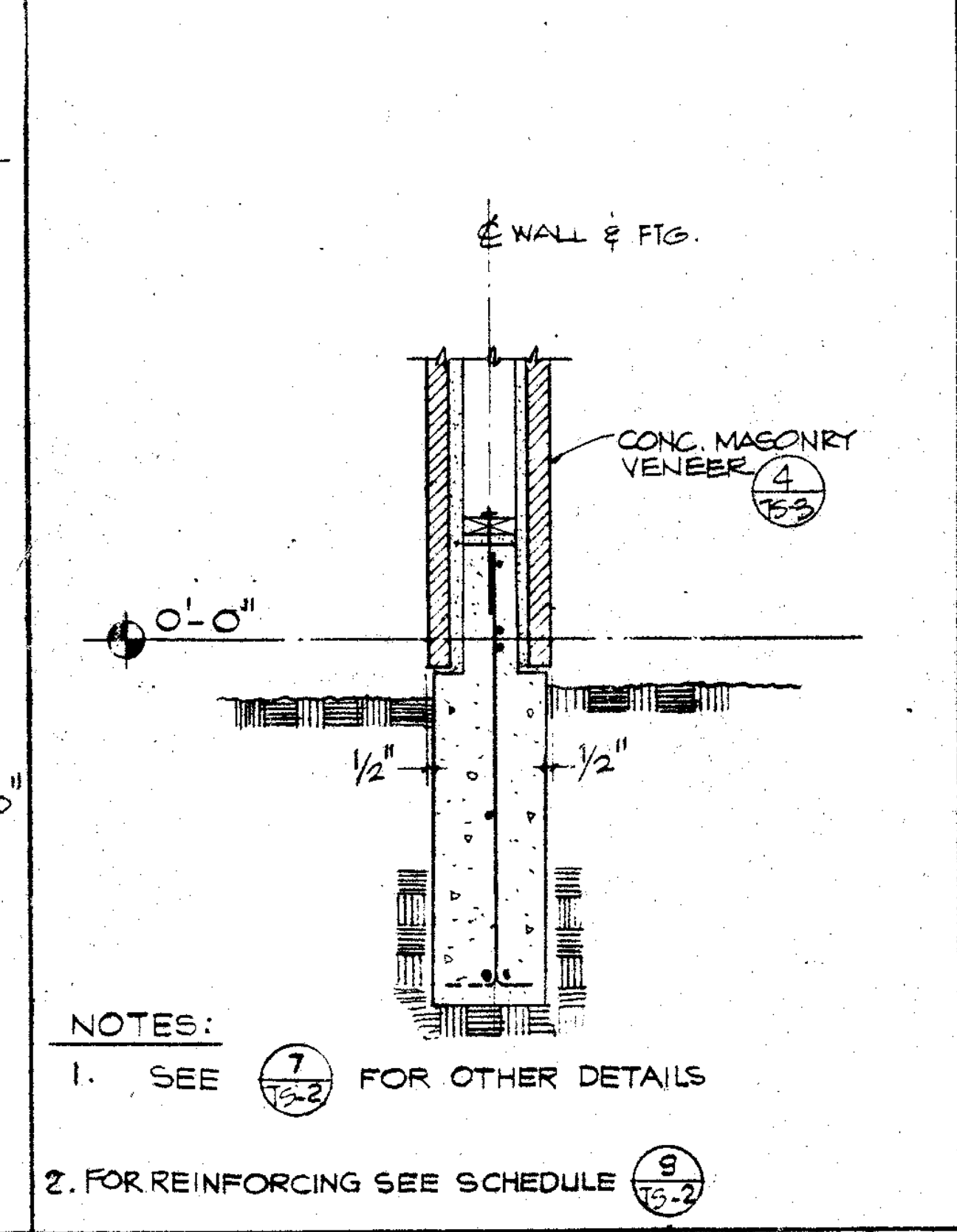
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

TYPICAL DETAILS AND GENERAL NOTES

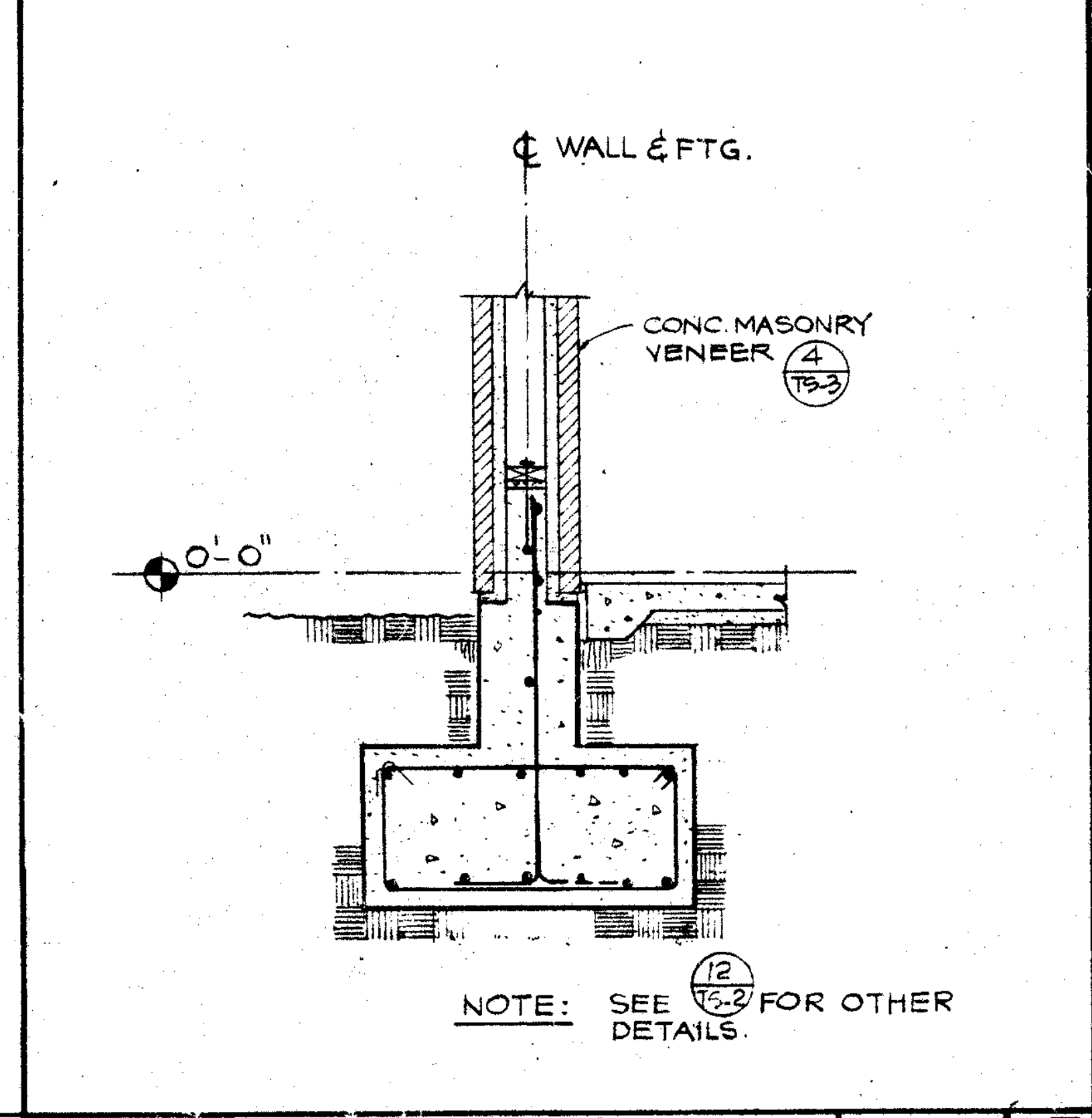
Sheet Number
TS-1
Of Sheets


ADDED 3/4" ⌀ ANCHOR
NAILER
PLAN VIEW Ⓐ
4" ⌀ DRAIN PIPE
ADDED #4 x 24" 18" DOWEL EA. SIDE OF PIPE. LOCATE REINF. 2" CLR. OF PIPE
MASONRY VENEER
CURB BEYOND
STOP REINF. 1" CLR. FROM END OF CURB
ADDED 2-#5 x 4'-0" LONG - CENTER ON TUBE
SEE FDN. PLAN

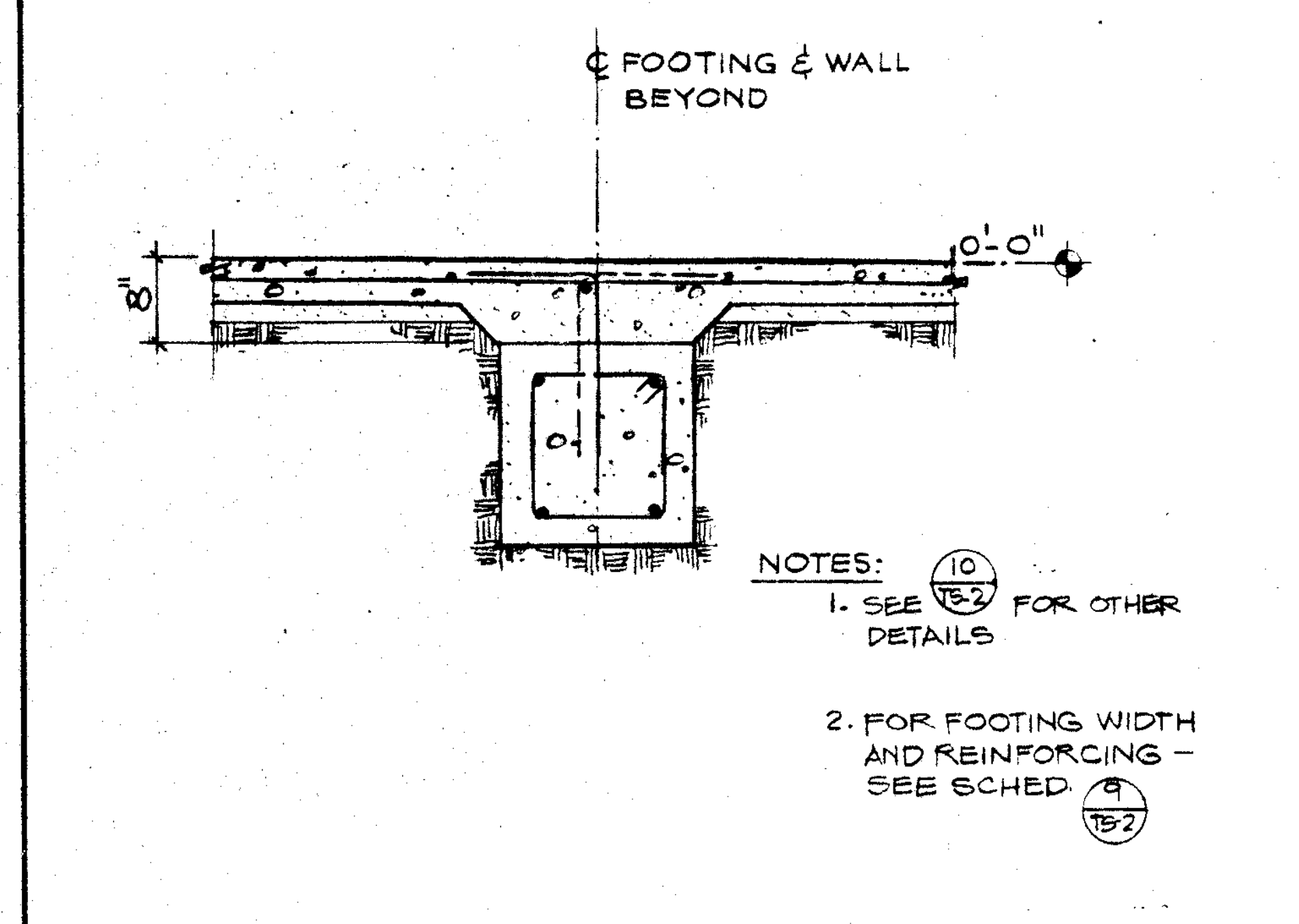
DRAIN PIPE AT WALL FTG. 23


℄ WALL & FTG.
CONC. MASONRY VENEER 4/TS-3
0'-0"
1/2"
NOTES:
1. SEE 7/TS-2 FOR OTHER DETAILS
2. FOR REINFORCING SEE SCHEDULE 9/TS-2

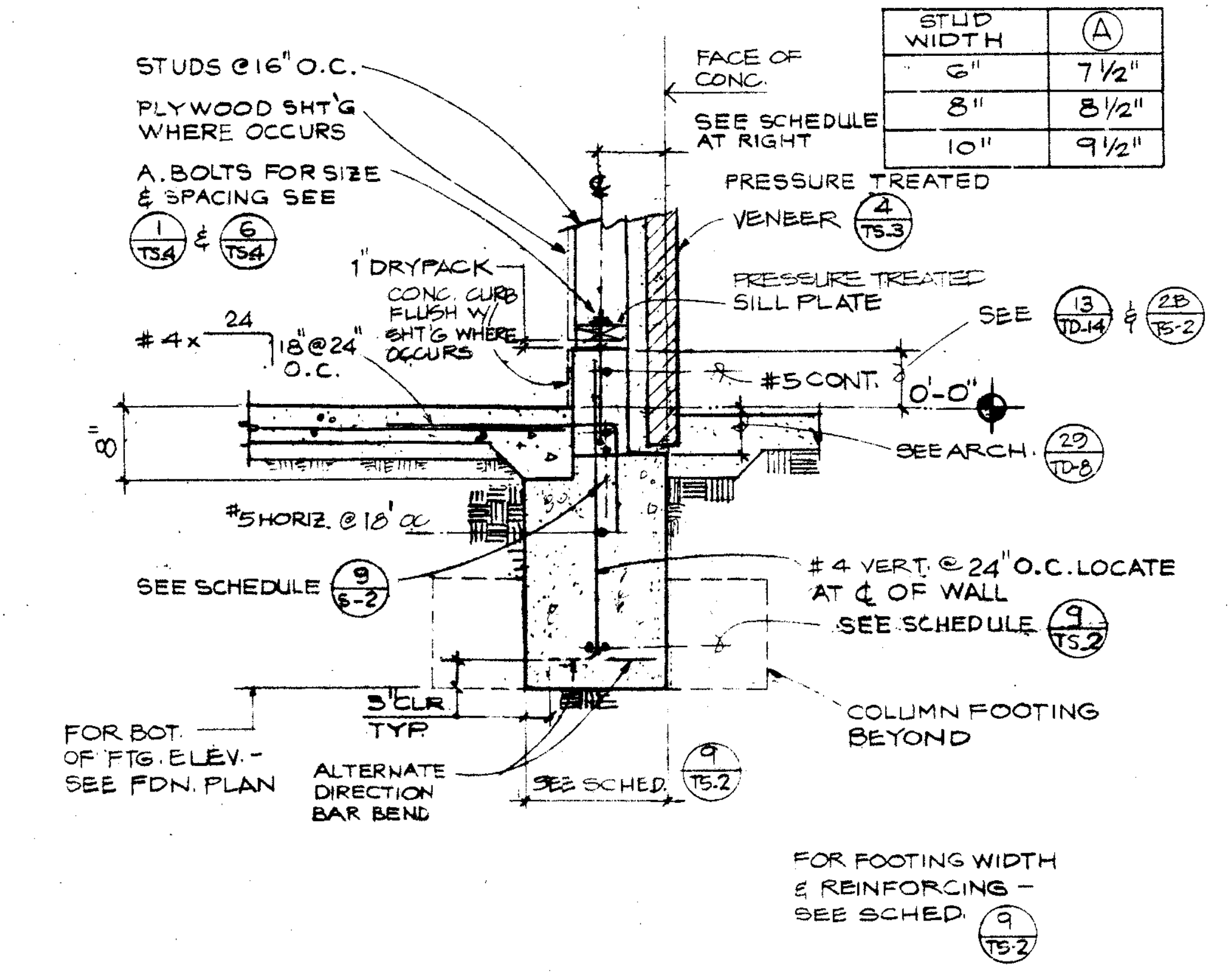
SECTION 19


℄ WALL & FTG.
CONC. MASONRY VENEER 4/TS-3
0'-0"
NOTE: SEE 12/TS-2 FOR OTHER DETAILS

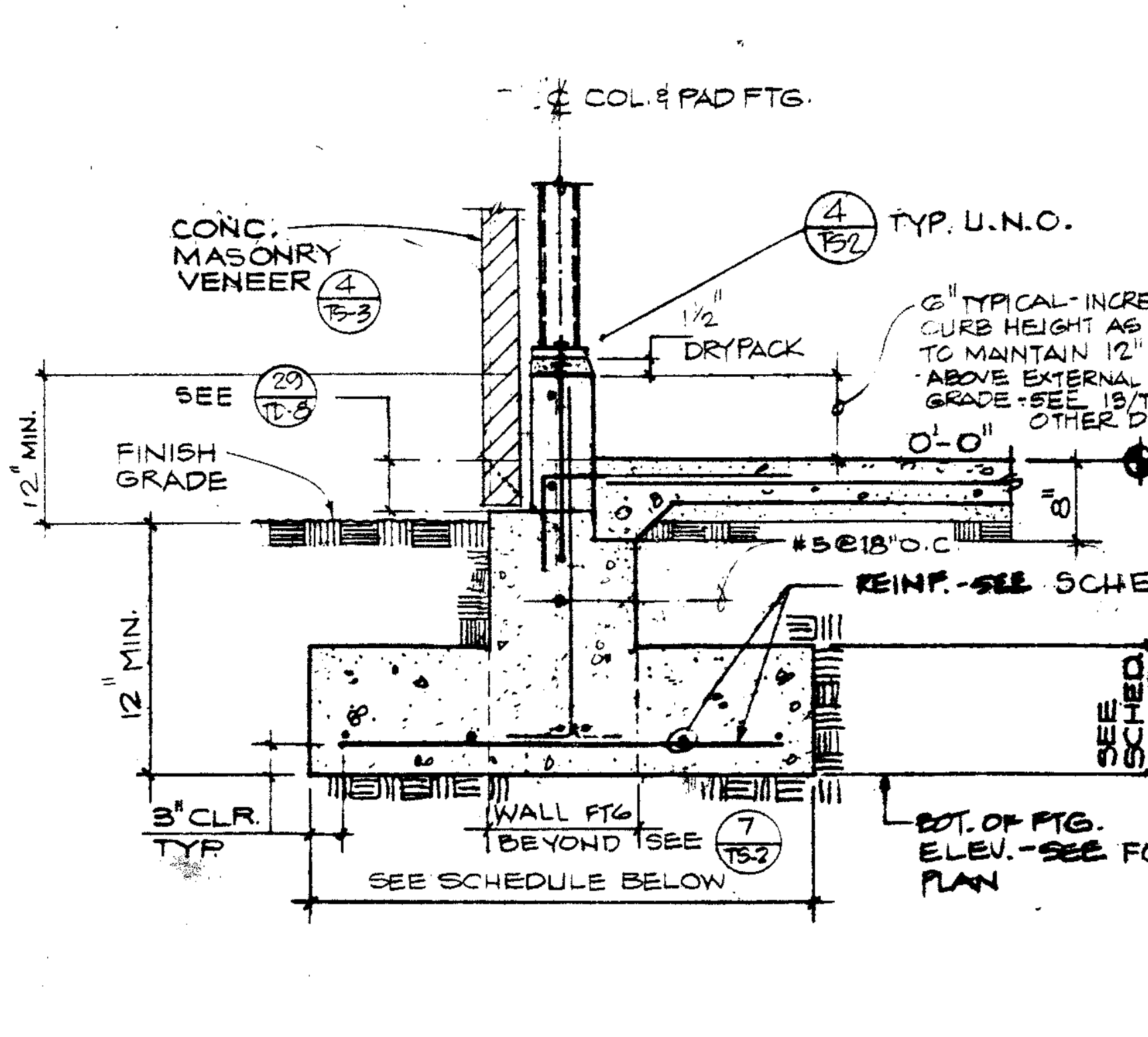
GRADE BEAM SECTION SCALE 1/2"=1'-0" 15


℄ FOOTING & WALL BEYOND
0'-0"
8"
NOTES:
1. SEE 10/TS-2 FOR OTHER DETAILS
2. FOR FOOTING WIDTH AND REINFORCING - SEE SCHED 9/TS-2

GRADE BEAM SECTION 11

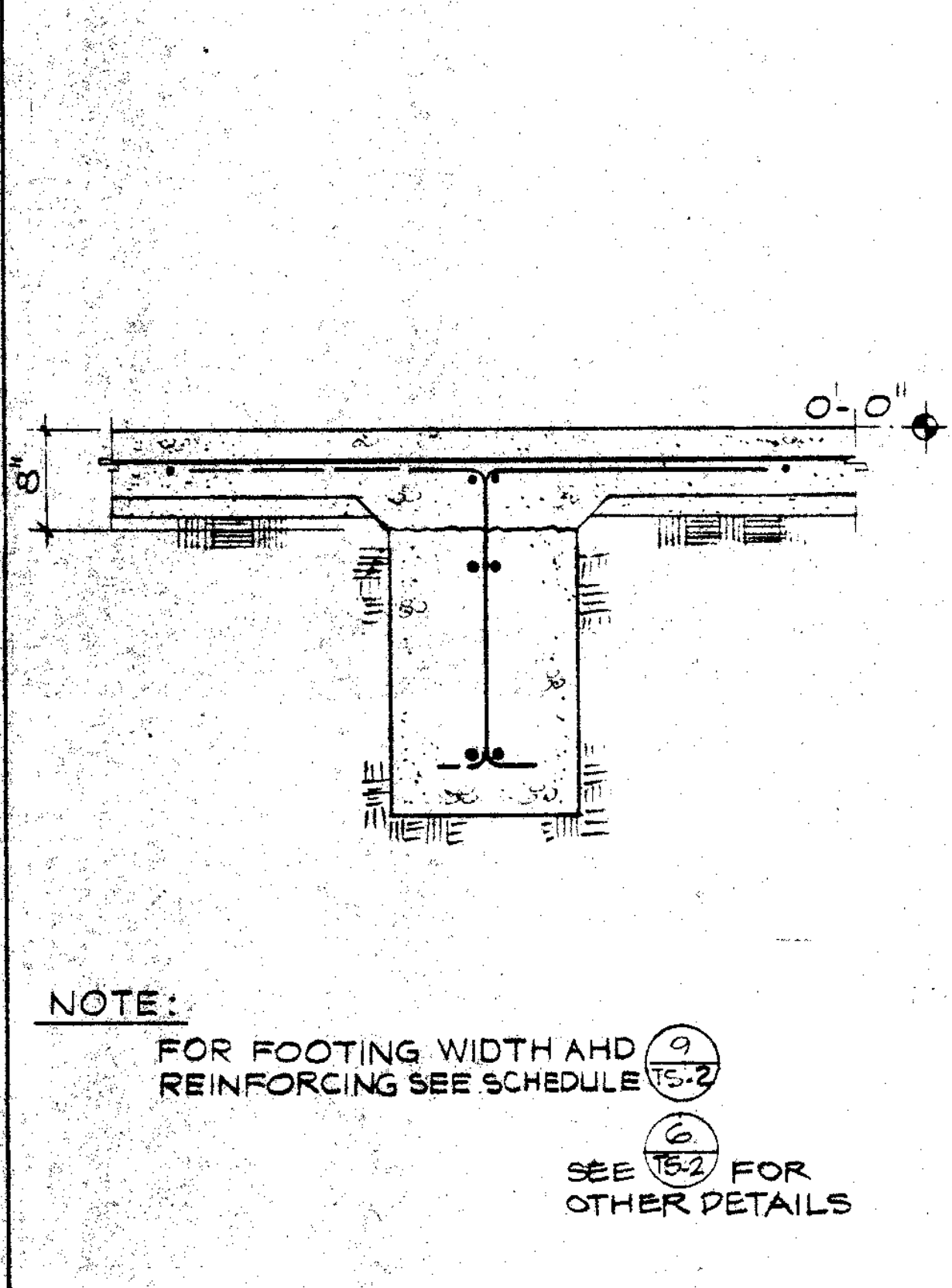

STUD WIDTH Ⓐ
6" 7 1/2"
8" 8 1/2"
10" 9 1/2"
STUDS @ 16" O.C.
PLYWOOD SHT'G WHERE OCCURS
A. BOLTS FOR SIZE & SPACING SEE 1/TS4 & 6/TS4
1" DRYPACK
FACE OF CONC.
SEE SCHEDULE AT RIGHT
PRESSURE TREATED VENEER 4/TS-3
PRESSURE TREATED SILL PLATE
#4 x 24 18" @ 24" O.C.
#5 CONT.
SEE ARCH.
#5 HORIZ. @ 18" o.c.
SEE SCHEDULE 9/TS-2
#4 VERT. @ 24" O.C. LOCATE AT ℄ OF WALL
SEE SCHEDULE 9/TS-2
COLUMN FOOTING BEYOND
3" CLR TYP
FOR BOT OF FTG ELEV - SEE FDN. PLAN
ALTERNATE DIRECTION BAR BEND
SEE SCHED 9/TS-2
FOR FOOTING WIDTH & REINFORCING - SEE SCHED 9/TS-2

EXTERIOR WALL FOOTING 7

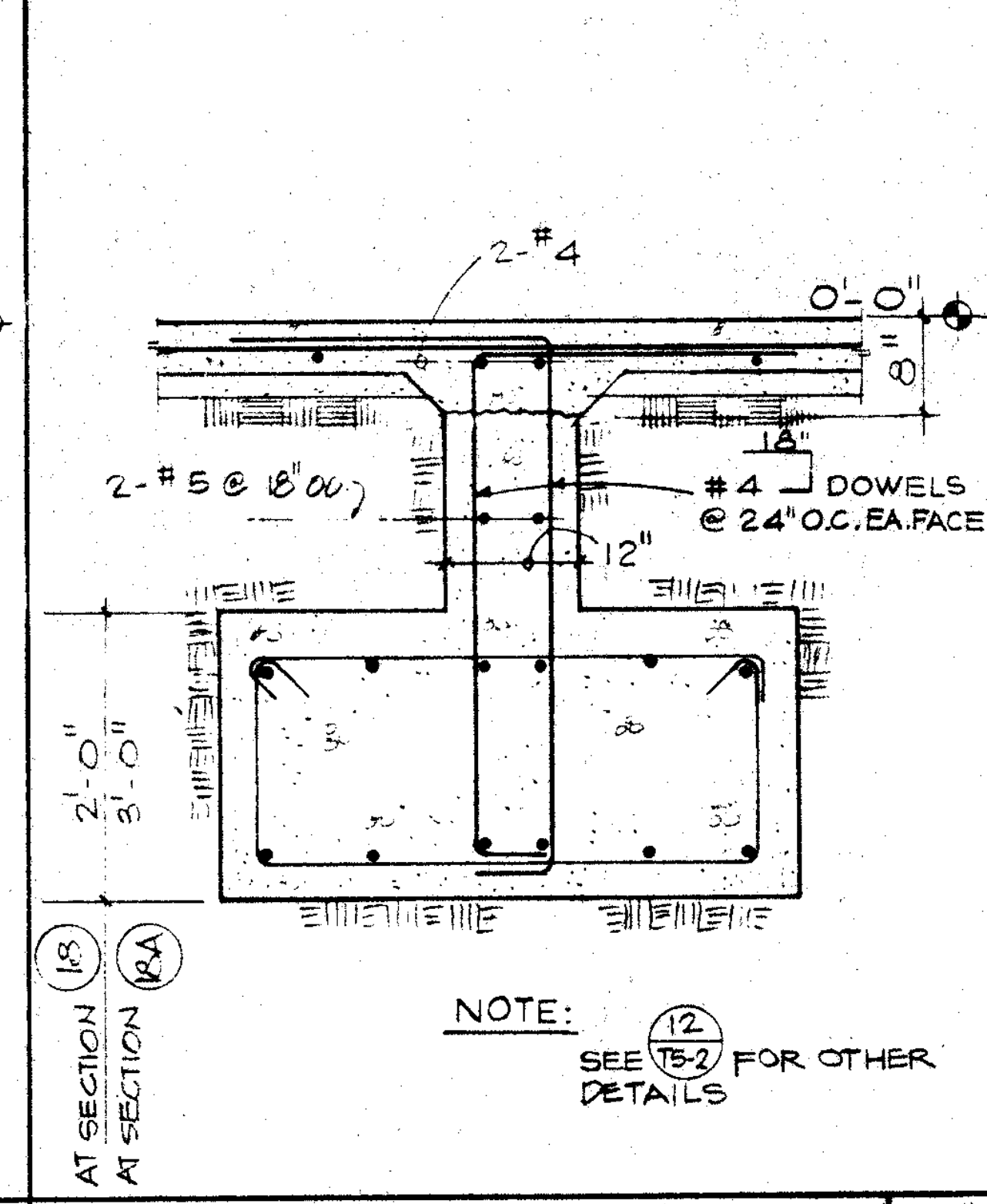

℄ COL & PAD FTG.
CONC. MASONRY VENEER 4/TS-3
4/TS-2 TYP. U.N.O.
1 1/2" DRYPACK
6" TYPICAL - INCREASE CURB HEIGHT AS REQ'D TO MAINTAIN 12" MIN. HT. ABOVE EXTERNAL FIN. GRADE - SEE 19/TD-14 FOR OTHER DETAILS
SEE 20/TS-2
FINISH GRADE
0'-0"
12" MIN.
#5 @ 18" O.C.
REINF. - SEE SCHED
3" CLR. TYP
WALL FTG BEYOND SEE 7/TS-2
SEE SCHEDULE BELOW
BOT. OF FTG. ELEV. - SEE FDN. PLAN
SEE SCHED.

EXTERIOR COL. FOOTING

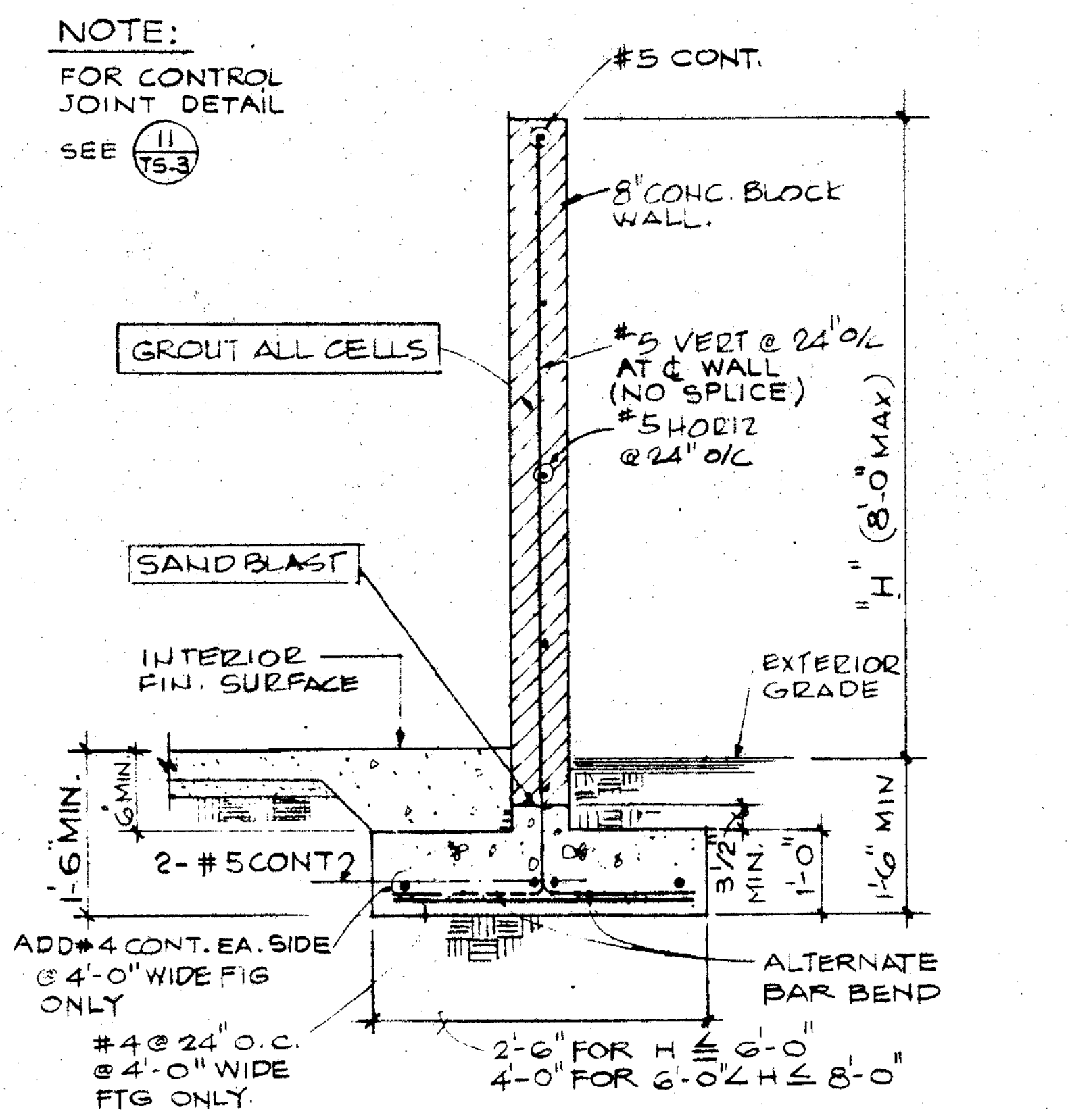
B


0'-0"
8"
NOTE:
FOR FOOTING WIDTH AND REINFORCING SEE SCHEDULE 9/TS-2
SEE 6/TS-2 FOR OTHER DETAILS

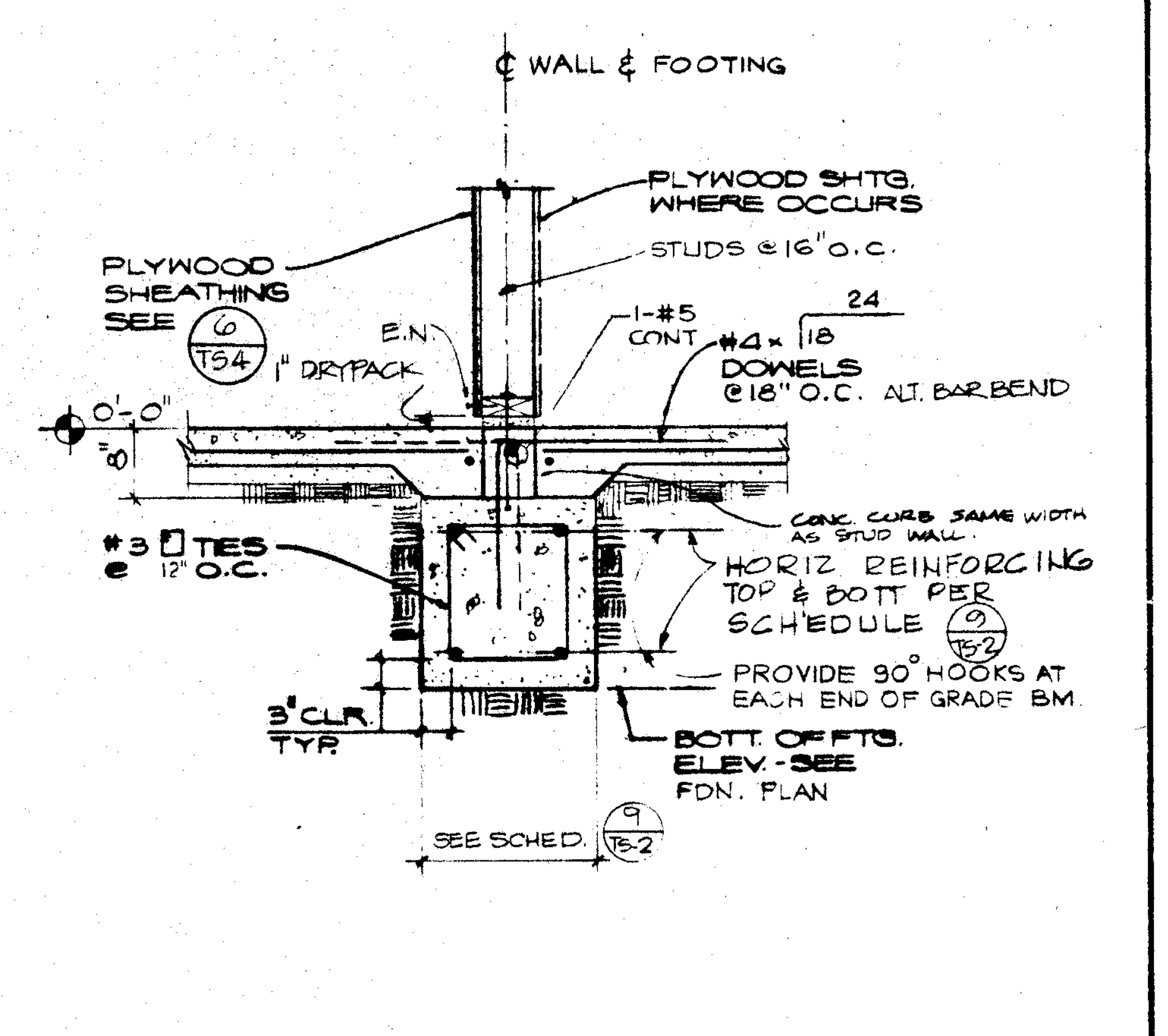
SECTION 22


2-#4
0'-0"
2-#5 @ 18" o.c.
12"
#4 DOWELS @ 24" O.C. EA. FACE
AT SECTION 1K
AT SECTION 2A
NOTE:
SEE 12/TS-2 FOR OTHER DETAILS

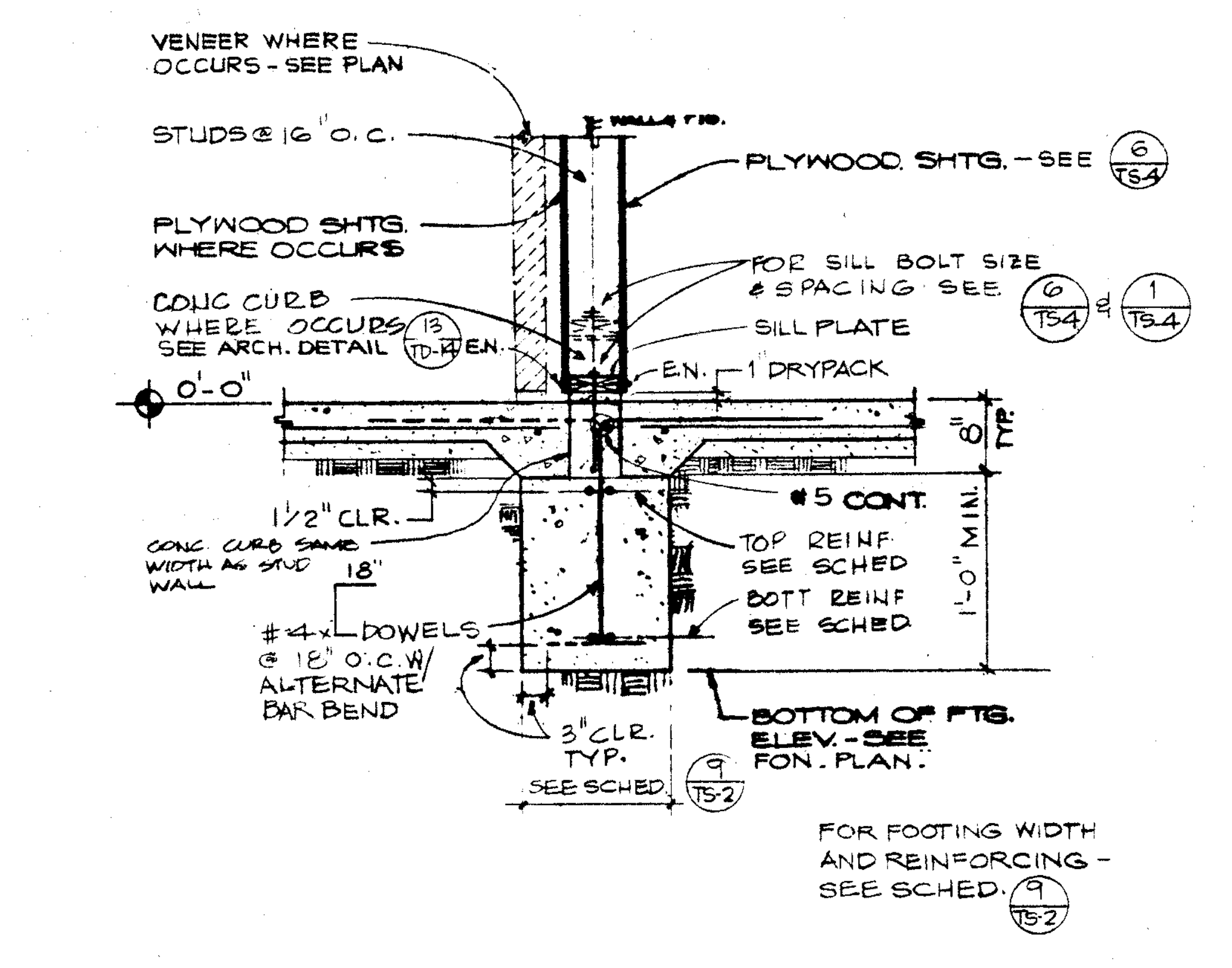
GRADE BEAM SECTION 18


NOTE:
FOR CONTROL JOINT DETAIL SEE 11/TS-3
#5 CONT.
8" CONC. BLOCK WALL
GROUT ALL CELLS
#5 VERT @ 24" O/C AT ℄ WALL (NO SPLICE)
#5 HORIZ @ 24" O/C
"H" (8'-0 MAX)
SAND BLAST
INTERIOR FIN. SURFACE
EXTERIOR GRADE
2-#5 CONT
ADD #4 CONT. EA. SIDE @ 4'-0" WIDE FTG ONLY
#4 @ 24" O.C. @ 4'-0" WIDE FTG ONLY
ALTERNATE BAR BEND
2'-6" FOR H ≤ 6'-0"
4'-0" FOR 6'-0" < H ≤ 8'-0"

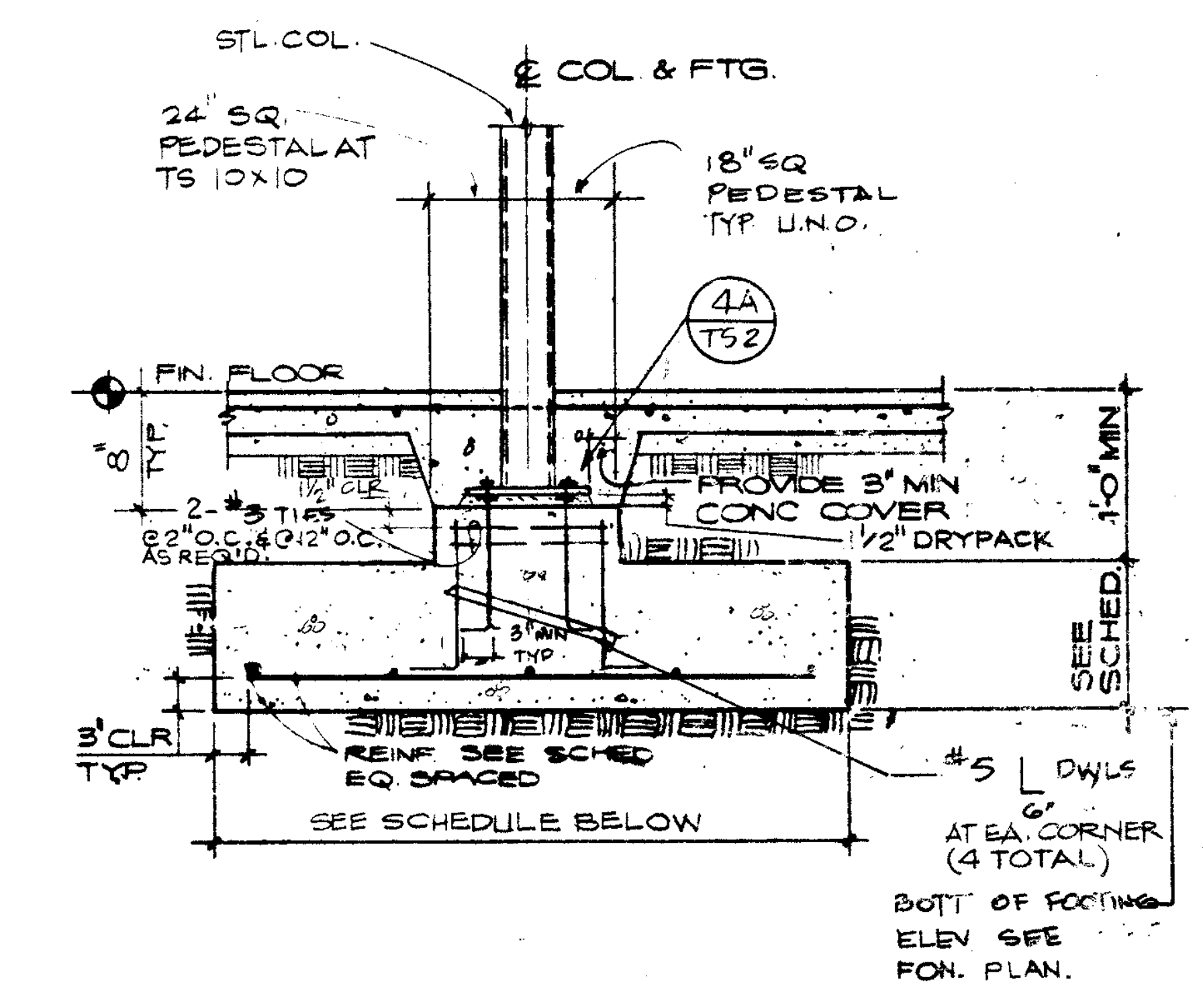
SECTION - FREE STANDING CONC. BLK. WALL 14


℄ WALL & FOOTING
PLYWOOD SHTG. WHERE OCCURS
STUDS @ 16" O.C.
PLYWOOD SHEATHING SEE 6/TS4
1" DRYPACK
E.N.
1-#5 CONT
#4 x 18 24 DOWELS @ 18" O.C. ALT. BAR BEND
0'-0"
CONC. CURB SAME WIDTH AS STUD WALL
#3 TIES @ 12" O.C.
HORIZ REINFORCING TOP & BOTT PER SCHEDULE 9/TS-2
PROVIDE 90° HOOKS AT EACH END OF GRADE BM.
3" CLR TYP
BOTT. OF FTG. ELEV. - SEE FDN. PLAN
SEE SCHED. 9/TS-2

GRADE BEAM SECTION 10

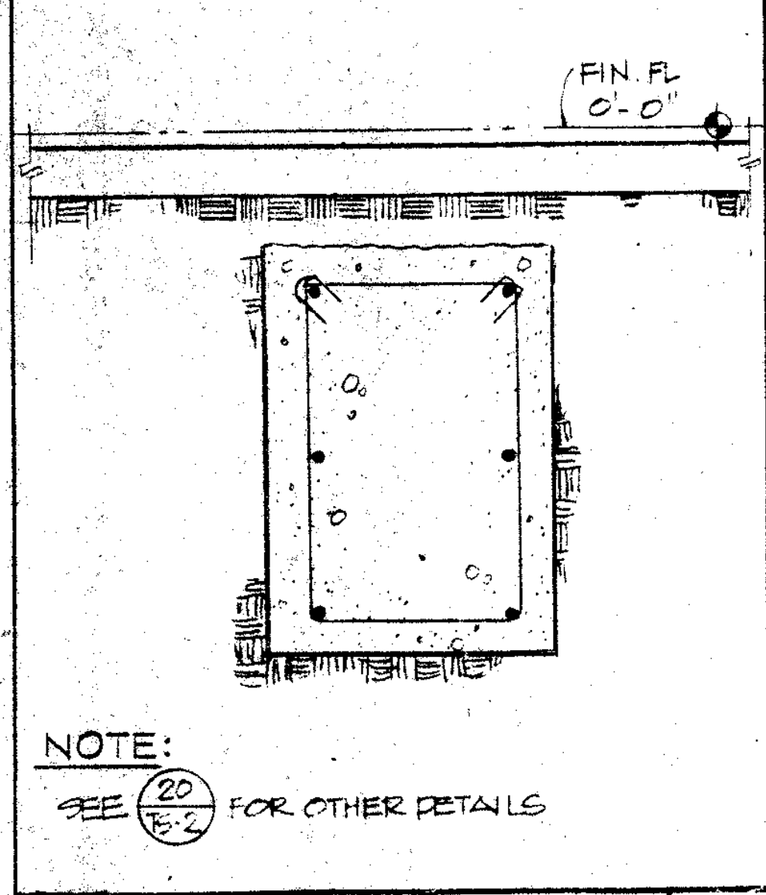

VENEER WHERE OCCURS - SEE PLAN
STUDS @ 16" O.C.
PLYWOOD SHTG. WHERE OCCURS
PLYWOOD SHTG. - SEE 6/TS4
CONC CURB WHERE OCCURS SEE ARCH. DETAIL 13/TD-15
FOR SILL BOLT SIZE & SPACING SEE 6/TS4 1/TS4
SILL PLATE
E.N.
1" DRYPACK
0'-0"
1 1/2" CLR.
CONC. CURB SAME WIDTH AS STUD WALL
18"
#5 CONT.
TOP REINF SEE SCHED
BOTT REINF SEE SCHED
1'-0" MIN.
#4 DOWELS @ 18" O.C. W/ ALTERNATE BAR BEND
3" CLR. TYP.
SEE SCHED 9/TS-2
BOTTOM OF FTG. ELEV. - SEE FON. PLAN.
FOR FOOTING WIDTH AND REINFORCING - SEE SCHED. 9/TS-2

FOOTING AT INTERIOR SHEAR WALL 6

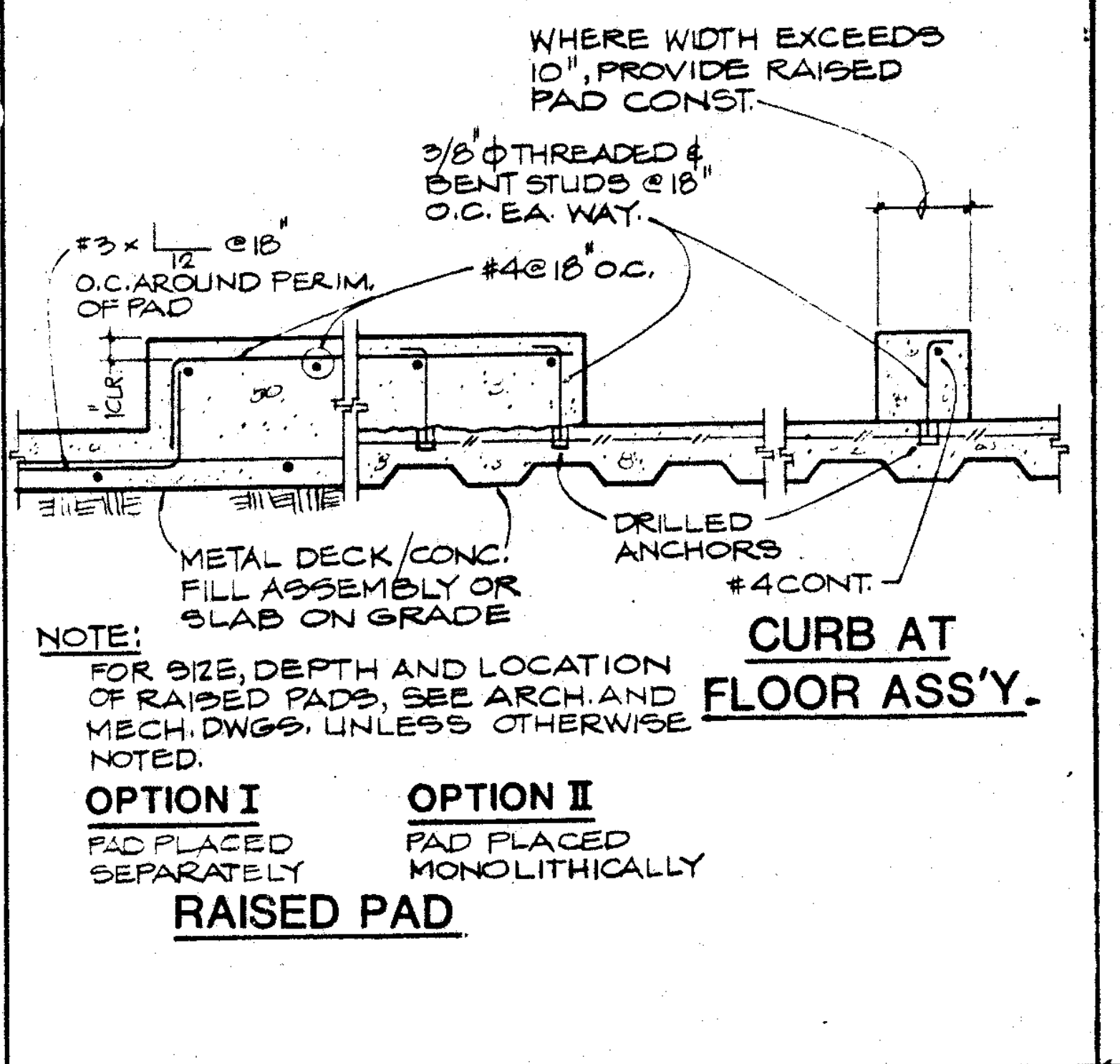

STL. COL.
℄ COL & FTG.
24" SQ PEDESTAL AT TS 10x10
18" SQ PEDESTAL TYP U.N.O.
4A/TS2
FIN. FLOOR
2-#3 TIES @ 12" O.C. AS REQ'D
PROVIDE 3" MIN CONC COVER
1/2" DRYPACK
1'-0" MIN
3" CLR TYP
REINF SEE SCHED EQ. SPACED
SEE SCHED.
#5 DWLS AT EA. CORNER (4 TOTAL)
SEE SCHEDULE BELOW
BOT. OF FOOTING ELEV SEE FON. PLAN.

INTERIOR COL. FOOTING

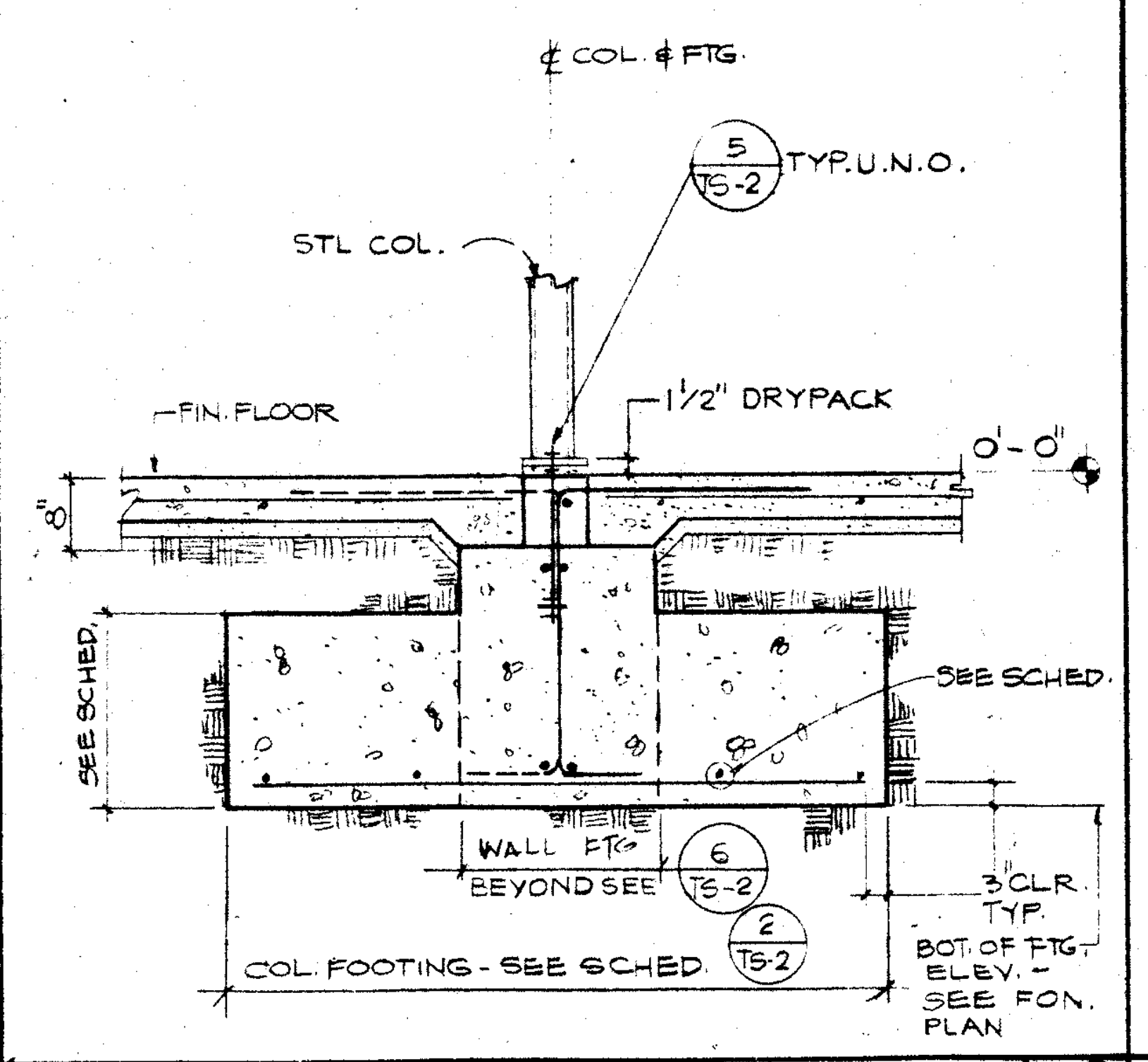
A


FIN. FL. 0'-0"
NOTE:
SEE 20/TS-2 FOR OTHER DETAILS

GRADE BM SECTION 21


WHERE WIDTH EXCEEDS 10", PROVIDE RAISED PAD CONST.
3/8" ⌀ THREADED & BENT STUDS @ 18" O.C. EA WAY.
#3 x @ 18" O.C. AROUND PERIM. OF PAD
#4 @ 18" O.C.
METAL DECK/CONC. FILL ASSEMBLY OR SLAB ON GRADE
DRILLED ANCHORS
#4 CONT.
CURB AT FLOOR ASS'Y.
NOTE:
FOR SIZE, DEPTH AND LOCATION OF RAISED PADS, SEE ARCH. AND MECH. DWGS. UNLESS OTHERWISE NOTED.
OPTION I
PAD PLACED SEPARATELY
OPTION II
PAD PLACED MONOLITHICALLY
RAISED PAD

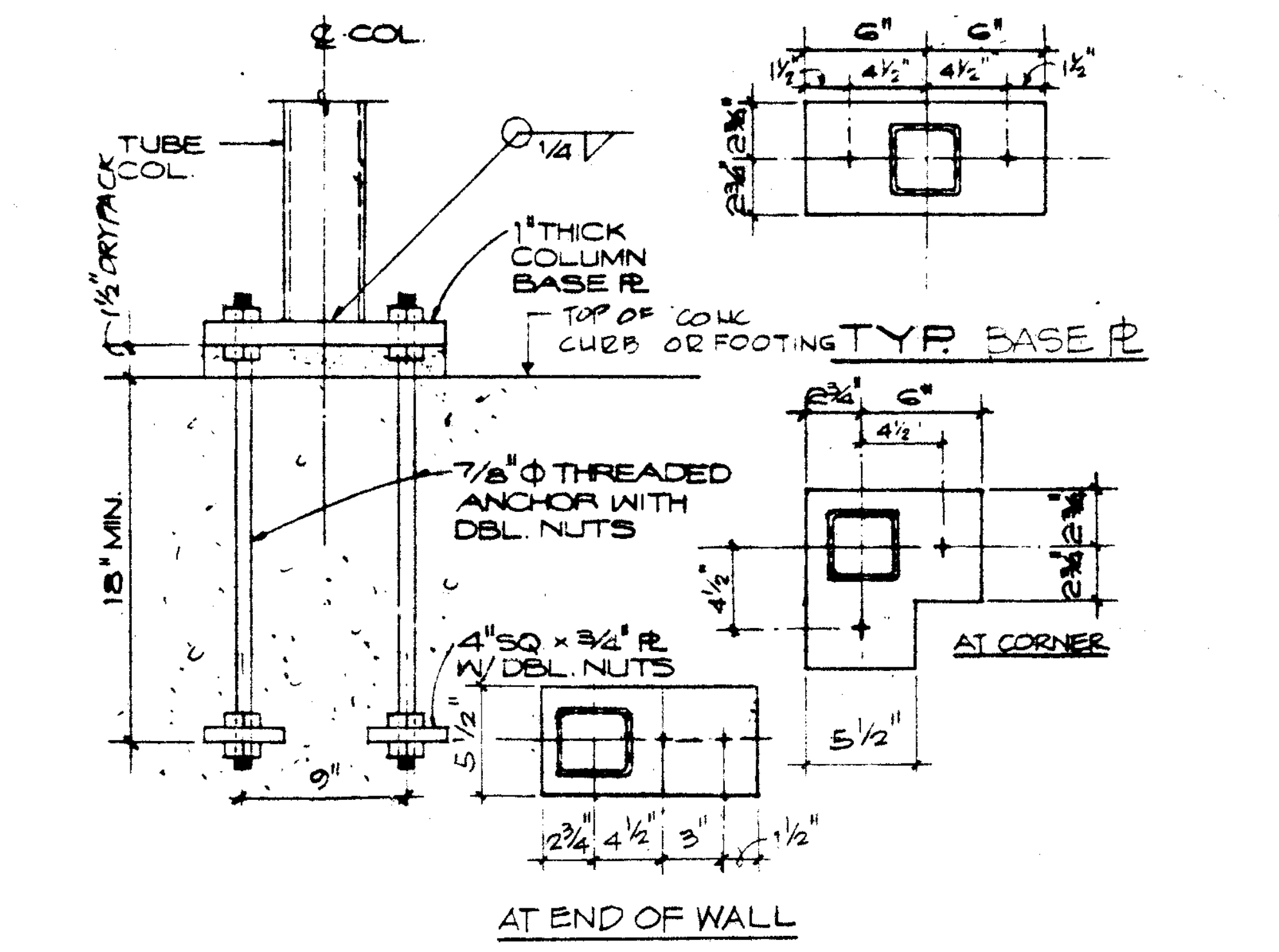
RAISED CONCRETE PAD 17


℄ COL. & FTG.
5/TS-2 TYP. U.N.O.
STL COL.
1 1/2" DRYPACK
FIN. FLOOR
0'-0"
SEE SCHED.
SEE SCHED.
WALL FTG. BEYOND SEE 6/TS-2
3" CLR. TYP.
COL. FOOTING - SEE SCHED 2/TS-2
BOT. OF FTG. ELEV. - SEE FON. PLAN

COL. FOOTING AT INTERIOR SHEAR WALL 13

FOOTING SCHEDULE			
MARK	FOOTING WIDTH	REINFORCING	REMARKS
Ⓐ	18"	2-#5 T&B	——
Ⓑ	18"	2-#5 T&B	——
Ⓒ	18"	2-#6 T&B	——
Ⓓ	24"	3-#5 T&B	3'-0" MIN. SPLICE STAGGER TOP & BOT. SPLICE
Ⓔ	24"	3-#6 T&B	4-0" MIN. SPLICE STAGGER TOP & BOT. SPLICE
Ⓕ	24"	6-#6 T&B	4'-0" MIN. SPLICE STAGG TOP & BOT. SPLICE
○			
○			
○			
○			

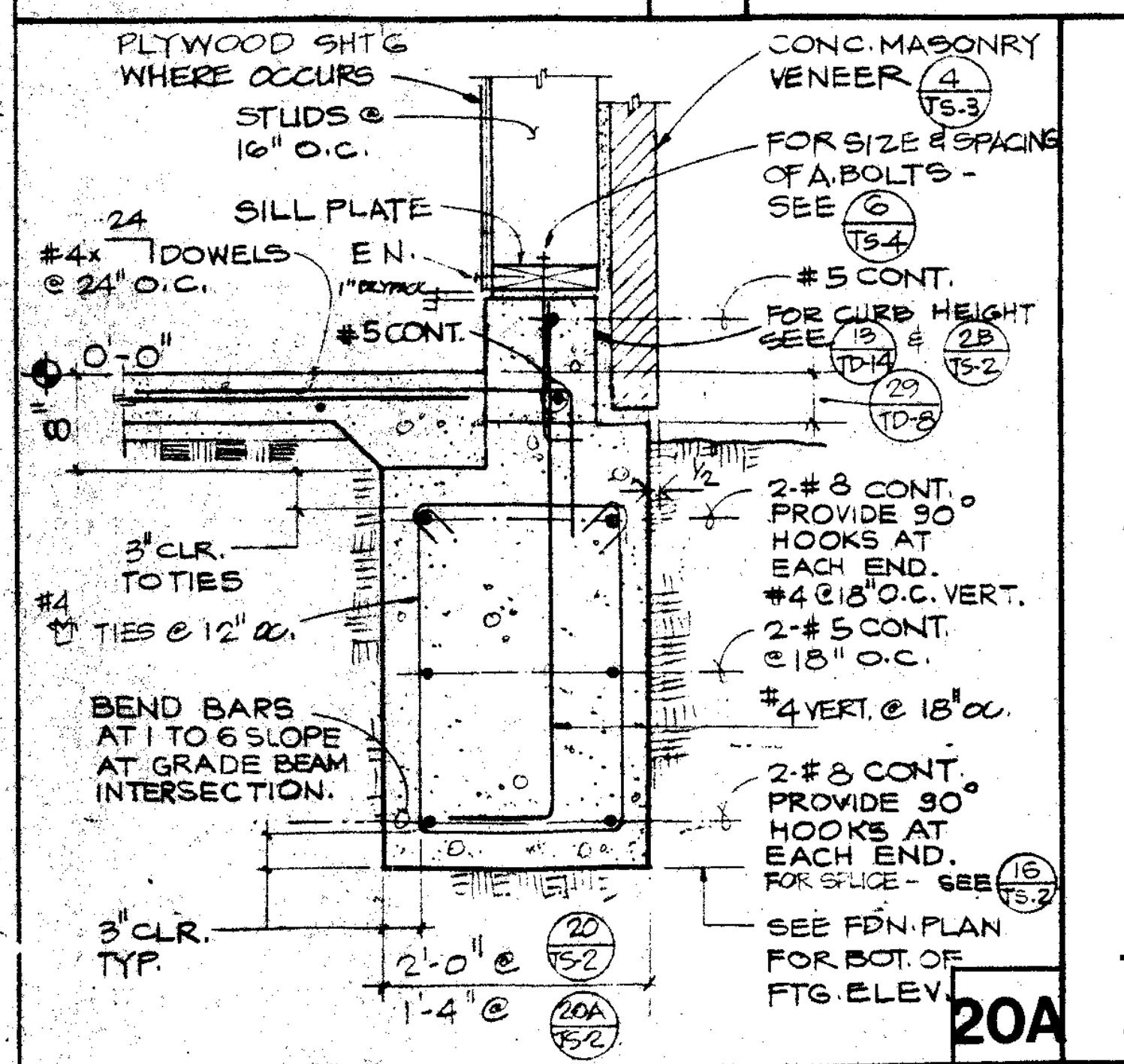
FOOTING SCHEDULE 9


℄ COL
TUBE COL.
1/4
1" THICK COLUMN BASE PL. TOP OF CONC CURB OR FOOTING
TYP. BASE PL
1 1/2" DRYPACK
7/8" ⌀ THREADED ANCHOR WITH DBL. NUTS
18" MIN.
4" SQ x 3/8" PL W/ DBL. NUTS
6" 6"
4 1/2 4 1/2
AT CORNER
AT END OF WALL
9"
5 1/2"

BASE PLATE DETAIL 5

COLUMN FOOTING SCHEDULE			
MARK	PLAN DIMENSION	THICKNESS	REINFORCING
A	NOT USED		
B	4'-0" x 8'-0"	12"	9-#5 TRANSVERSE 4-#5 LONGITUDINAL
C	3'-0" SQ.	12"	4-#4 E.W.
D	3'-6' SQ.	12"	4-#5 EW.
E	4'-0" SQ.	12"	5-#5 EW.
F	5'-0" SQ.	16"	6-#5 EW.
G	6'-0" SQ.	18"	7-#5 EW.
H	7'-0" SQ	18"	8-#5 EW.
J	8'-0" SQ	24"	9-#5 E.W.
K	10'-6" SQ	24"	11-#6 E.W.
L	4'-0" x 6'-0"	24"	7-#5 TRANS. TOP & BOT. 4-#5 LONG. TOP & BOT.
M	3'-6" x 5'-6"	24"	6-#5 TRANS. TOP & BOT. 4-#5 LONG. TOP & BOT.

COLUMN FOOTING SCHEDULE & DETAILS 2


PLYWOOD SHT'G WHERE OCCURS
STUDS @ 16" O.C.
SILL PLATE
#4 x 24 DOWELS @ 24" O.C.
E.N.
#5 CONT.
CONC. MASONRY VENEER 4/TS-3
FOR SIZE & SPACING OF A. BOLTS - SEE 1/TS4
#5 CONT.
FOR CURB HEIGHT SEE 2B/TS-2
0'-0"
3" CLR. TO TIES
#4 TIES @ 12" o.c.
2-#6 CONT. PROVIDE 90° HOOKS AT EACH END.
#4 @ 18" O.C. VERT.
2-#5 CONT.
@ 18" O.C.
#4 VERT. @ 18" o.c.
BEND BARS AT 1 TO 6 SLOPE AT GRADE BEAM INTERSECTION.
2-#8 CONT. PROVIDE 90° HOOKS AT EACH END. FOR SPLICE - SEE 16/TS-2
SEE FDN. PLAN FOR BOT. OF FTG. ELEV.
3" CLR. TYP.
2'-0" @ 20/TS-2
1'-4" @ 20A/TS-2

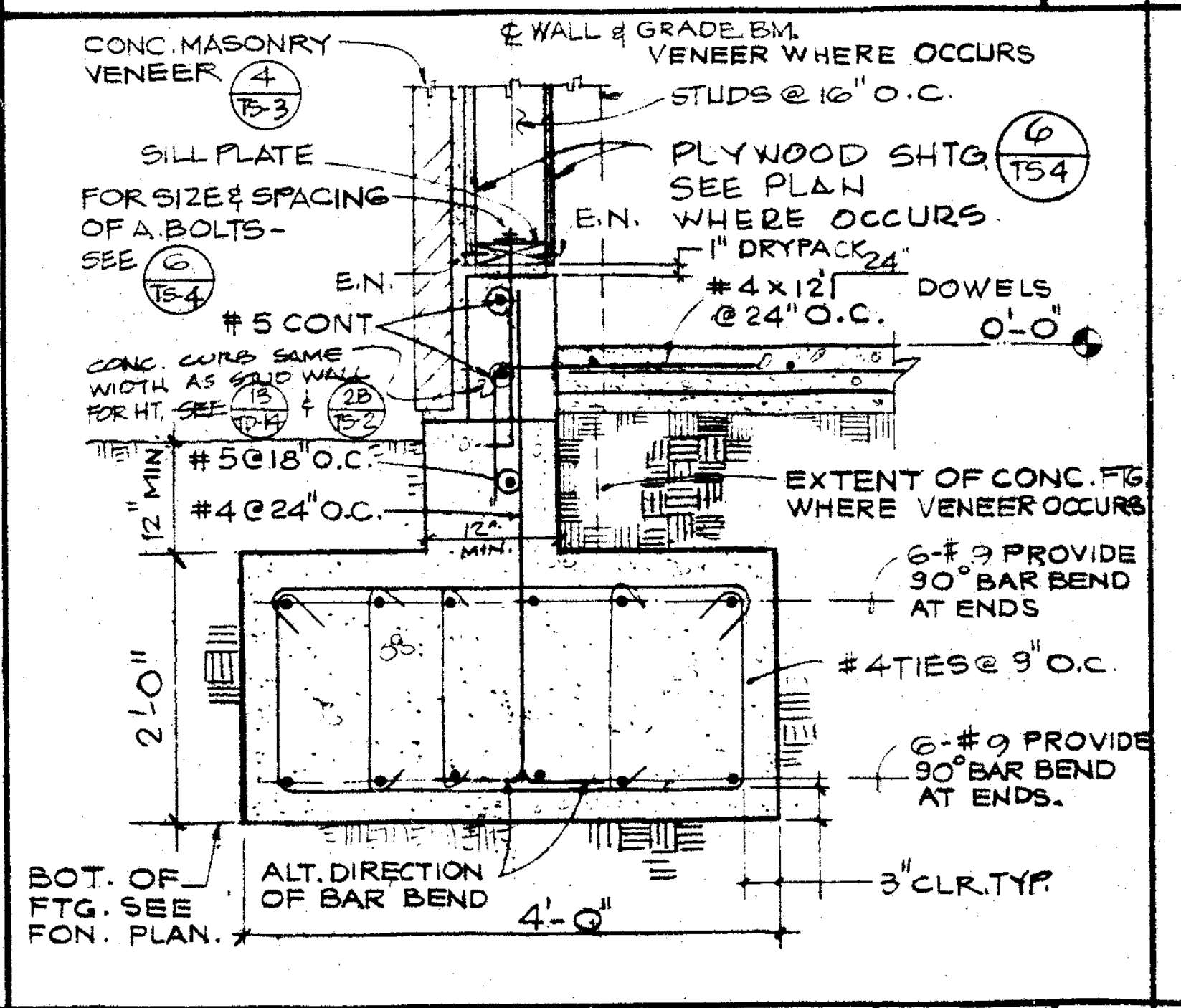
20A

GRADE BEAM SECTION SCALE 3/4"=1'-0" 20

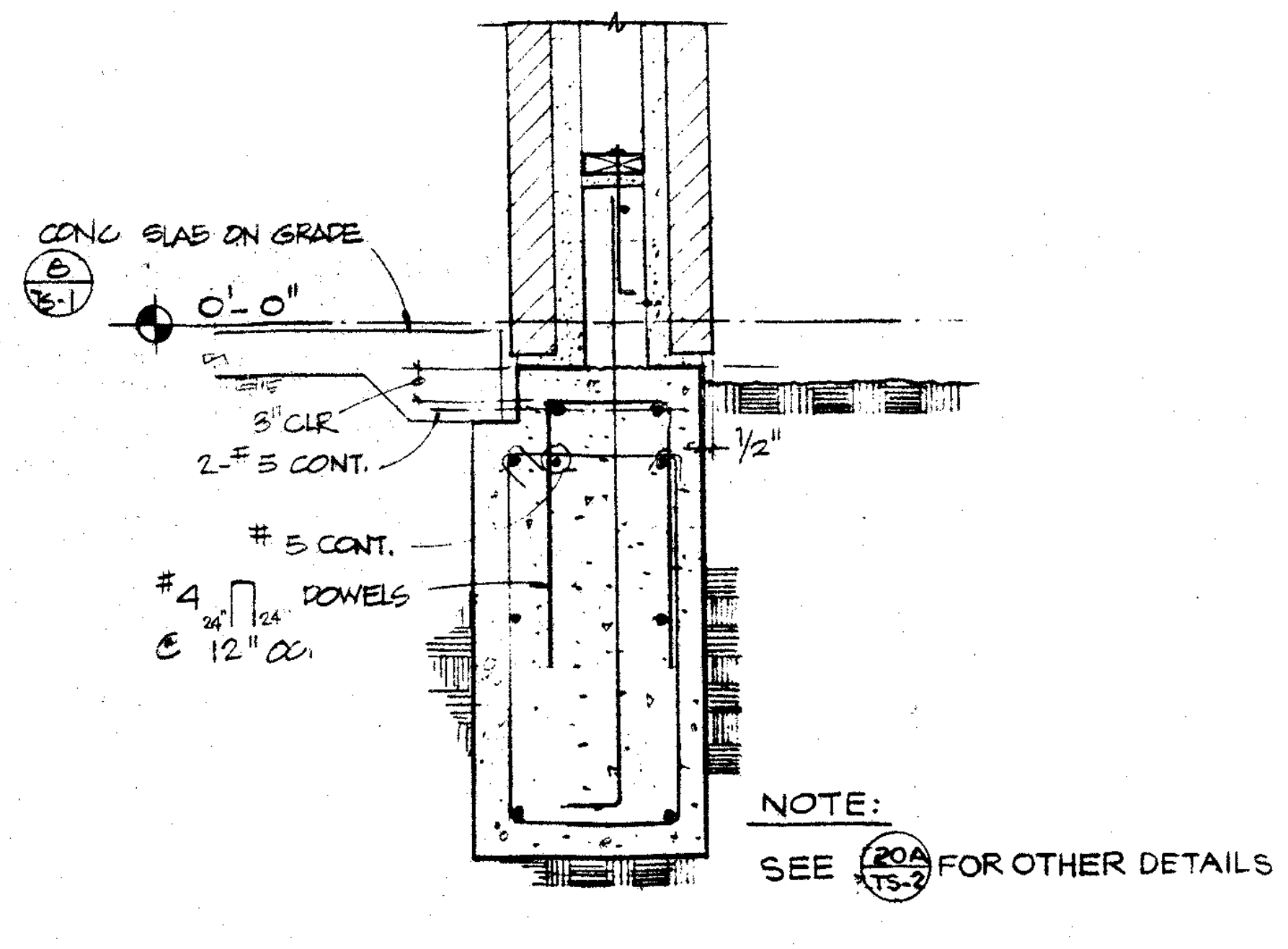
BAR SIZE	TOP BARS	BOT BARS
#5	3'-0"	2'-6"
#6	4'-0"	3'-0"
#7	5'-6"	4'-0"
#8	7'-0"	5'-0"
#9	9'-0"	7'-0"

TYP. GRADE BEAM REINF. SPLICE SCHEDULE

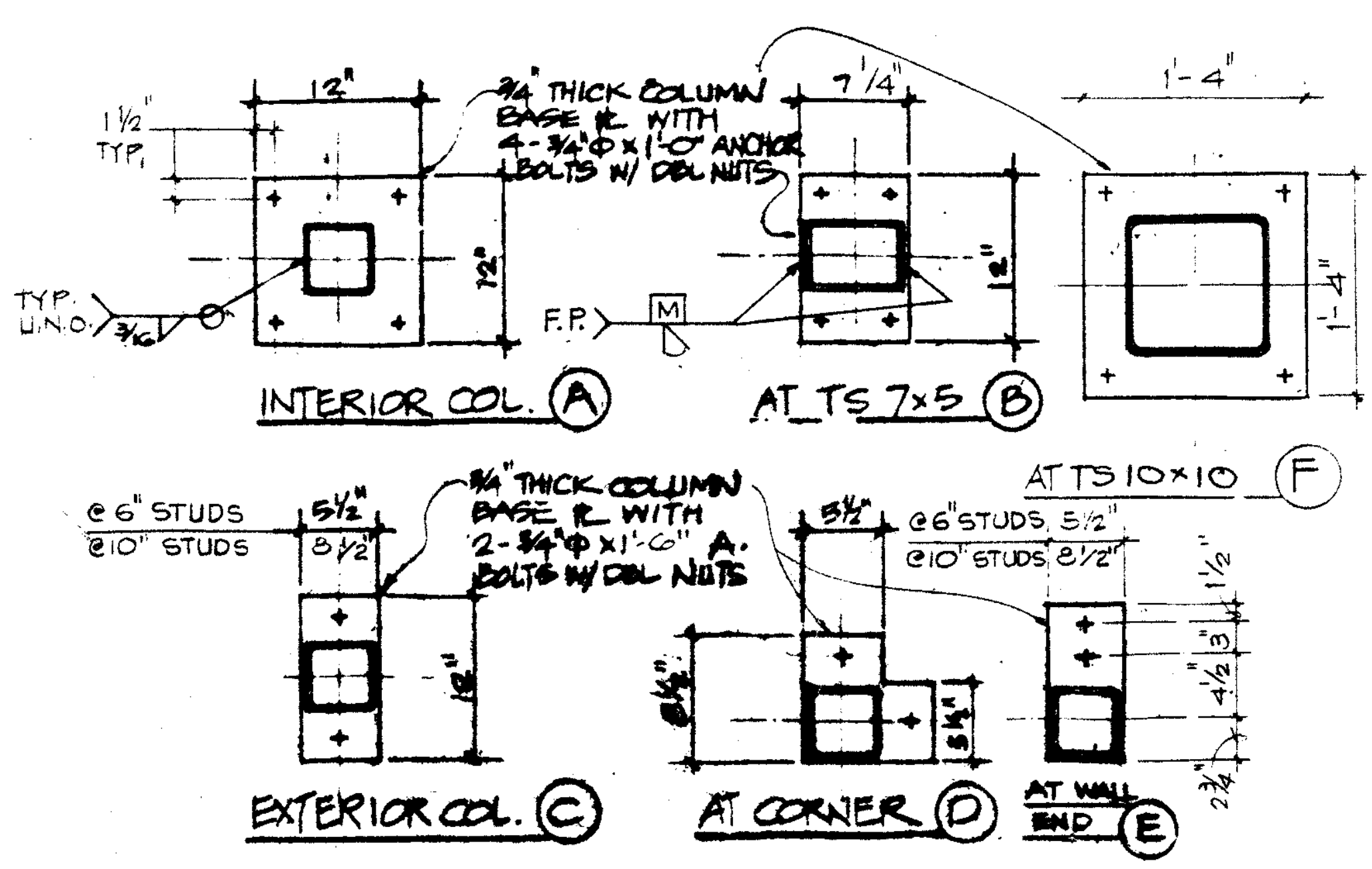
SCHEDULE 16


CONC. MASONRY VENEER 4/TS-3
℄ WALL & GRADE BM.
VENEER WHERE OCCURS
STUDS @ 16" O.C.
SILL PLATE
FOR SIZE & SPACING OF A BOLTS - SEE 6/TS4
PLYWOOD SHTG SEE PLAN WHERE OCCURS 6/TS4
E.N.
1" DRYPACK
#4 x 12 DOWELS @ 24" O.C.
0'-0"
#5 CONT
CONC. CURB SAME WIDTH AS STUD WALL
12" MIN.
#5 @ 18" O.C.
#4 @ 24" O.C.
EXTENT OF CONC. FTG. WHERE VENEER OCCURS
6-#9 PROVIDE 90° BAR BEND AT ENDS
#4 TIES @ 9" O.C.
6-#9 PROVIDE 90° BAR BEND AT ENDS.
2'-0"
BOT. OF FTG. SEE FON. PLAN.
ALT. DIRECTION OF BAR BEND
4'-0"
3" CLR. TYP.

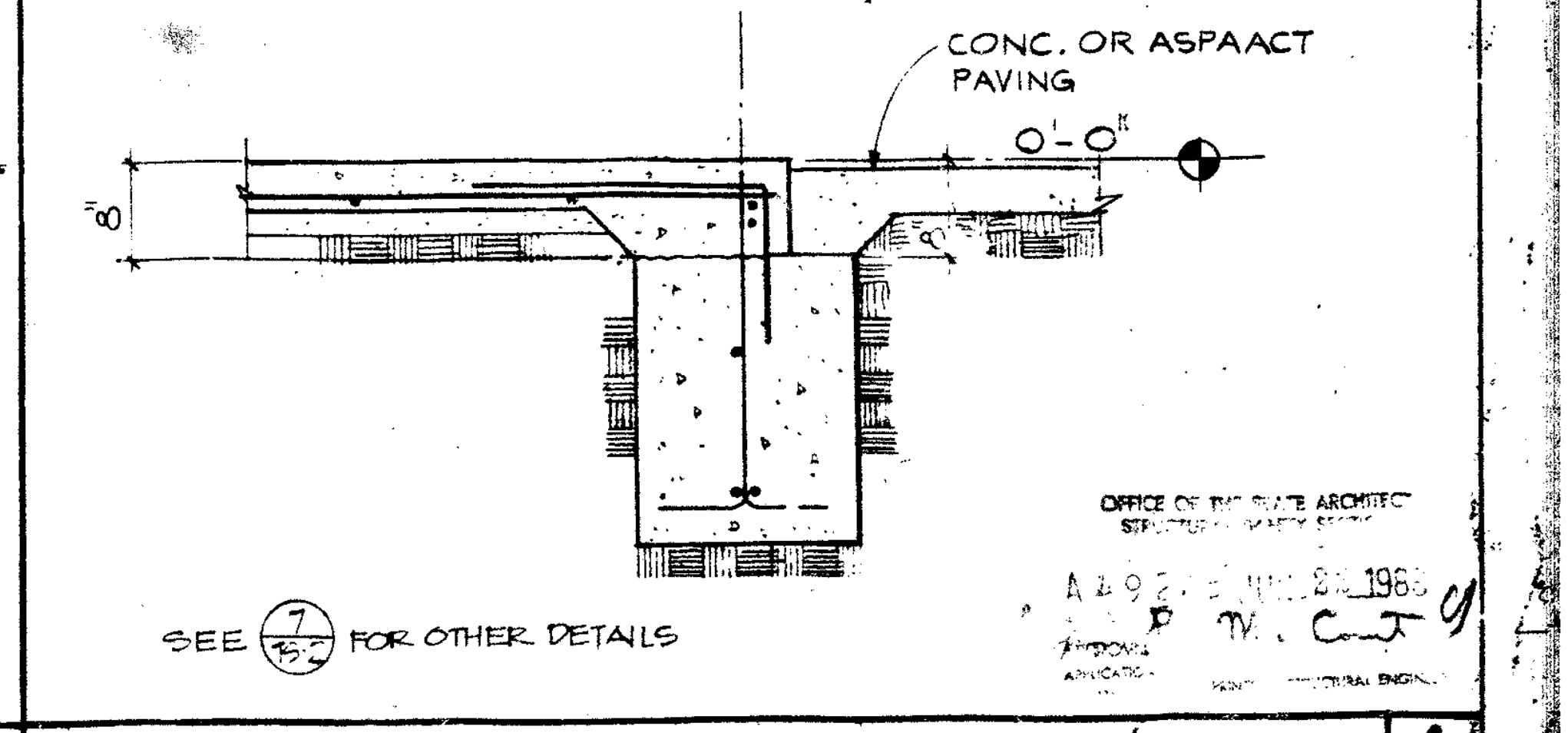
GRADE BEAM SECTION SCALE 3/4"=1'-0" 12


CONC. SLAB ON GRADE 6/S-1
0'-0"
3" CLR.
2-#5 CONT.
#5 CONT.
#4 DOWELS @ 12" O.C.
1/2"
NOTE:
SEE 20A/TS-2 FOR OTHER DETAILS

GRADE BEAM SECTION 8


1 1/2 TYP.
13"
3/4" THICK COLUMN BASE PL WITH 4-3/4"⌀ x 1'-0" ANCHOR BOLTS W/ DBL NUTS
7 1/4
1'-4"
TYP. U.N.O.
F.P.
INTERIOR COL. Ⓐ
AT TS 7x5 Ⓑ
AT TS 10x10 Ⓕ
@ 6" STUDS
@ 10" STUDS
3/4" THICK COLUMN BASE PL WITH 2-3/4"⌀ x 1'-0" A. BOLTS W/ DBL NUTS
@ 6" STUDS 5 1/2
@ 10" STUDS 8 1/2
EXTERIOR COL. Ⓒ
AT CORNER Ⓓ
AT WALL END Ⓔ

BASE PLATE PLAN DETAILS 4


CONC. OR ASPHALT PAVING
0'-0"
8"
SEE 7/TS-2 FOR OTHER DETAILS

SECTION 1

Drawn By MN
Checked By SRU
Date MAR. 1988
Revisions

Brandow & Johnston Assoc.
Structural Engineers

REGISTERED PROFESSIONAL ENGINEER
No. 956
EXP. 12.31.88

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West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

TYPICAL FOUNDATION DETAILS
AND STEEL COLUMN BASE PLATES

Sheet Number
TS-2
of Sheets

STATE BUILDING CODE
(Part 2, Title 24, C.A.C.)

TABLE NO. 2-25P
Nailing Schedule

Connection	Common Wire Nails[1]
Joists or rafters to sides of studs	
Eight (8) inch joists or less	3-16d
For each additional four (4) inches in depth of joist	1-16d
Joists or rafters at all bearings—	
Toe nails, each side	2-10d[10]
Ceiling joists, laps over partitions, face nail	3-16d
Ceiling joists to parallel rafters, face nail	3-16d
Blocking between joists or rafters—	
To joist or rafters—Toe nails, each side, each end	2-10d[10]
To joist or rafter bearings—Toe nails, each side	2-10d[10]
Blocking between studs, each end	2-10d toe nails or 2-16d
Bridging to joist, toe nail each end	2-8d
Sole plate to joist or blocking, face nail	16d at 16" oc
Top plate to stud, end nail	2-16d
Stud to sole plate, toe nail	4-8d
Doubled studs, face nail	16d at 24" oc
Top plates, laps and intersections, face nail	2-16d
Double top plates, face nail—(See 2-2518(g)4 for minimum lap)	16d at 16" oc
Built-up corner studs	16d at 24" oc
Ribbons to studs	
One (1) inch ribbons	2-8d
Two (2) inch ribbons	2-16d
Continuous header, two pieces	16d at 16" oc along each edge
Continuous header to stud, toe nail	4-8d
1" brace to each stud and plate, face nail	2-8d
1" × 8" sheathing or less to each bearing, face nail	2-8d

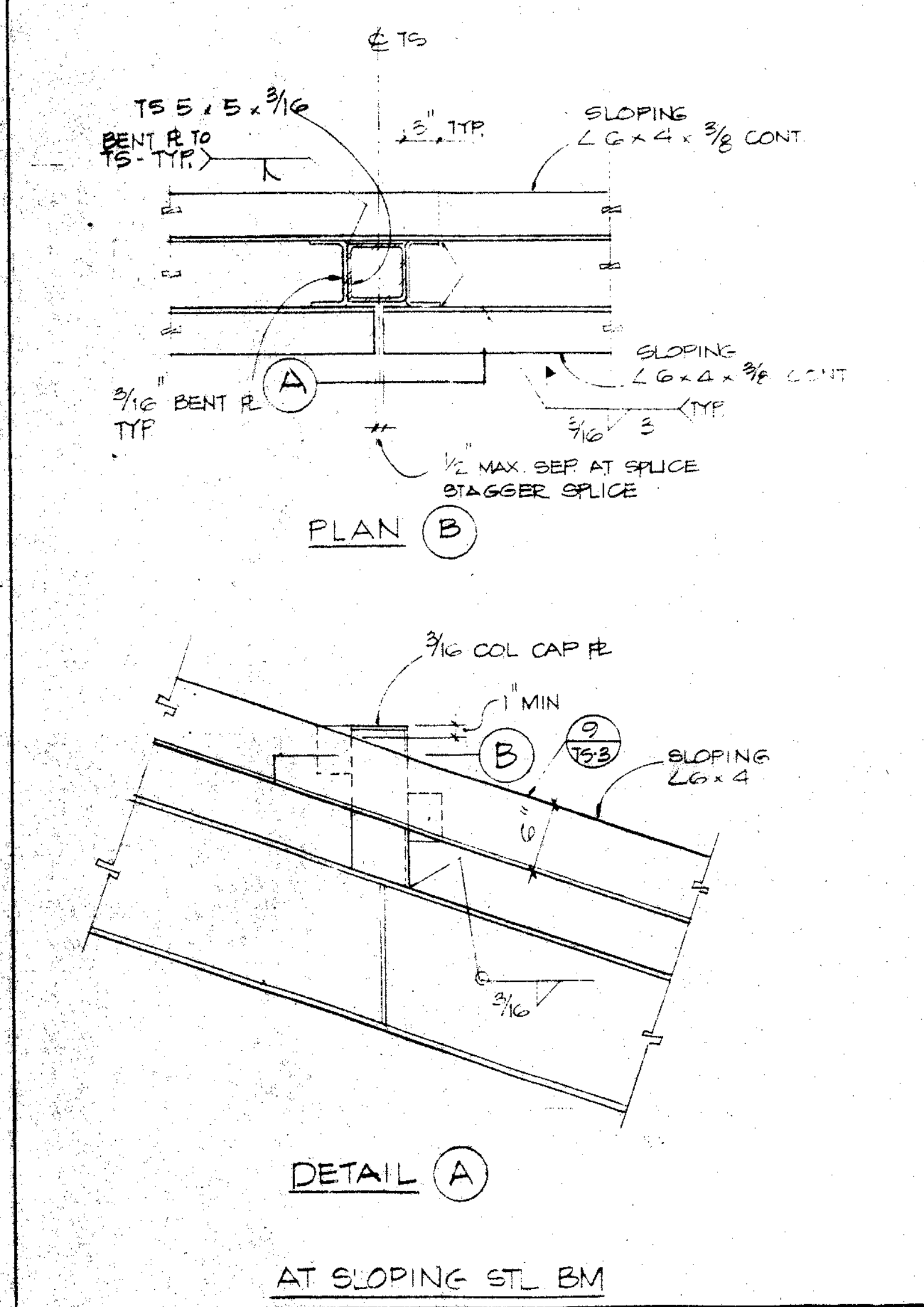
NAILING SCHEDULE 24

PROOF LOAD TESTS FOR EXPANSION
TYPE ANCHOR BOLTS
(Bolts must have I.C.B.O. Approval)

All concrete anchor bolts of the expansion type (loaded in either pullout or shear) shall have 50 percent of the bolts (alternate bolts in any group arrangement) proof tested in tension to twice the allowable tension load. If there are any failures, the immediately adjacent bolts must then also be tested.

Type of Materials	Type of Test	Bolt Diameter 3/8"	1/2"	5/8"	3/4"
Hard Rock Concrete	Direct Pull-Tension, LBS.	1300	2000	2900	4300
	Torque Wrench-Torque, FT. LBS.	25	50	110	150
Lt. Wt. Concrete	Direct Pull-Tension, LBS.	970	1400	1950	2590
	Torque Wrench-Torque, FT. LBS.	20	35	75	90

PROOF LOAD TEST 23



€ TS
TS 5 x 5 x 3/16
BENT ℞ TO TS - TYP.
SLOPING ∠ 6 x 4 x 3/8 CONT
3/8" BENT ℞ TYP
A
SLOPING ∠ 6 x 4 x 3/8 CONT
1/2 MAX. SEP. AT SPLICE STAGGER SPLICE
PLAN B
3/16 COL CAP ℞
1" MIN
B
SLOPING ∠ 6 x 4

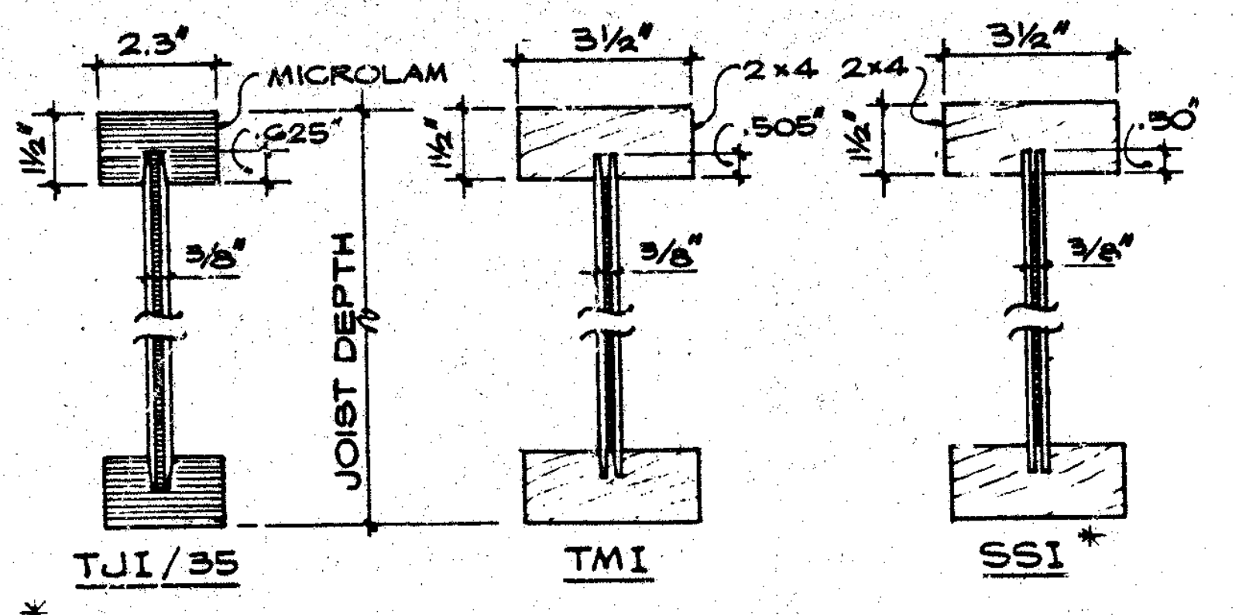
DETAIL (A)

AT SLOPING STL BM

VENEER DETAIL 20

PLYWOOD WEB JOIST SCHEDULE

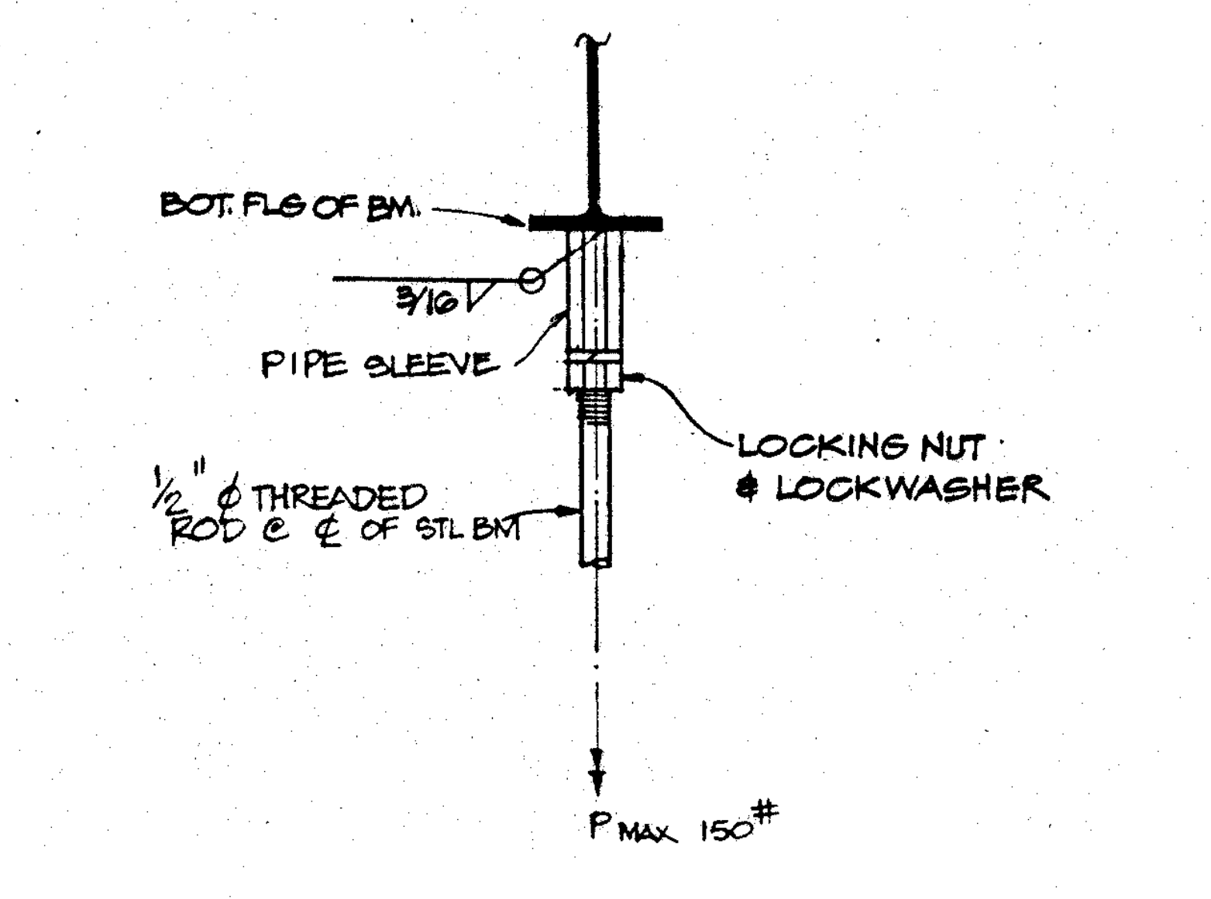
MANUFACTURER	JOIST TYPE	JOIST DEPTH	TOP & BOTT. CHORDS SIZE	WEB
TRUS JOIST	TJI/35	10", 12", 14" 16", 18" & 20"	1½" x 2.3" MICRO LAM F_t = 2100 PSI	3/8" PLYWOOD
TMI STRUCTURAL SYSTEM *	TMI	10", 12", 14" 16", 18" & 20"	2x4 MSR DOUGLAS FIR F_t = 2100 PSI	3/8" PLYWOOD
STANDARD STRUCTURES *	SSI	10", 12", 14" 16", 18" & 20"	2x4 MSR DOUGLAS FIR F_t = 2100 PSI	3/8" PLYWOOD



2.3"
MICROLAM
.625"
1½"
3/8"
JOIST DEPTH
TJI/35
3½"
2x4
.505"
1½"
3/8"
TMI
2x4
3½"
.50"
1½"
3/8"
SSI *

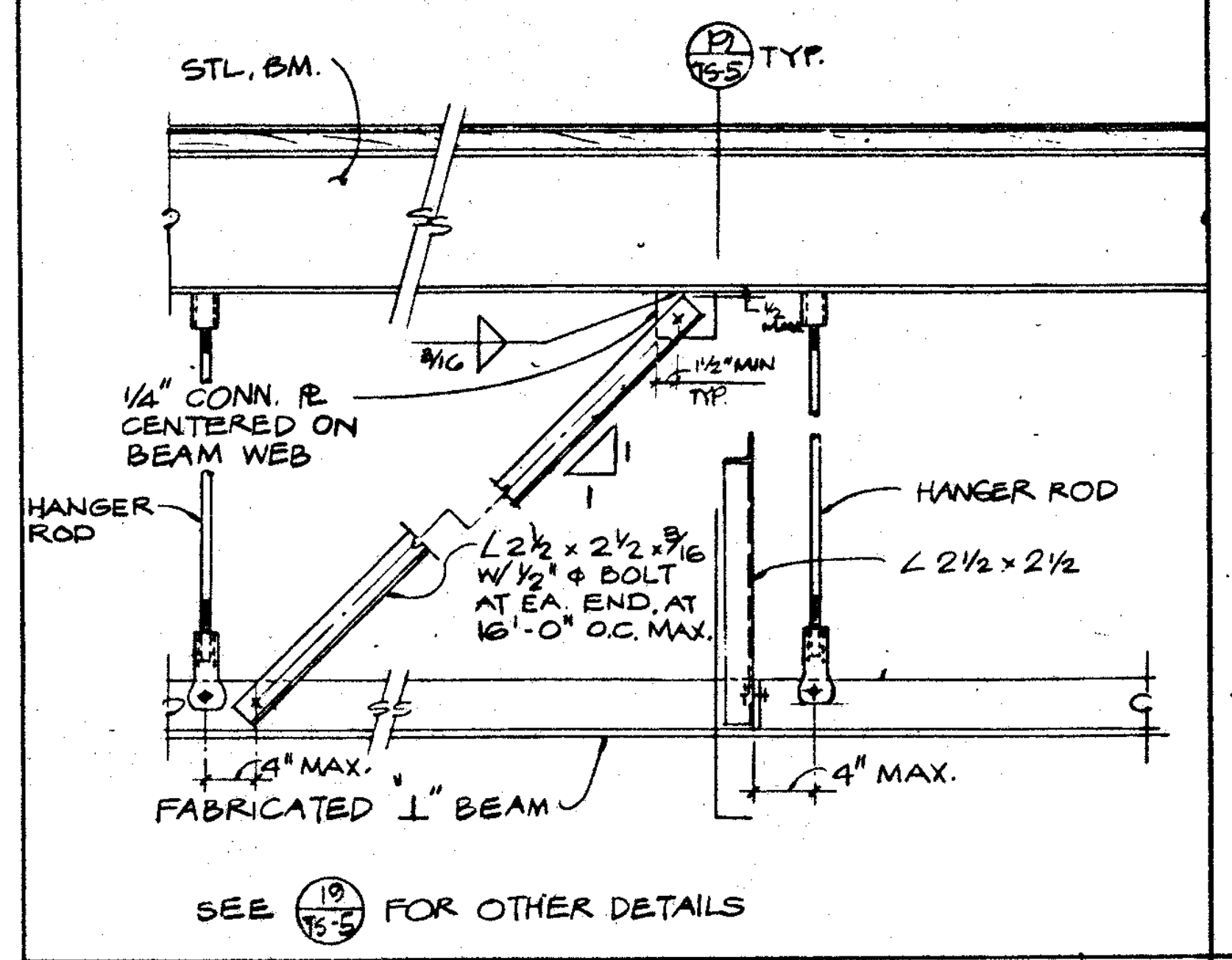
* NOTE:
TMI & SSI JOIST REQUIRE CONTINUOUS FABRICATION INSPECTION BY A INSPECTOR APPROVED BY O.S.A. COST OF INSPECTION BE PAID BY OWNER. BACK CHARGED TO GENERAL CONTRACTOR

TYP. PLYWOOD WEB JOIST SCHEDULE 19



BOT. FLG OF BM.
3/16
PIPE SLEEVE
LOCKING NUT & LOCKWASHER
1/2" ⌀ THREADED ROD @ € OF STL BM
P MAX 150#

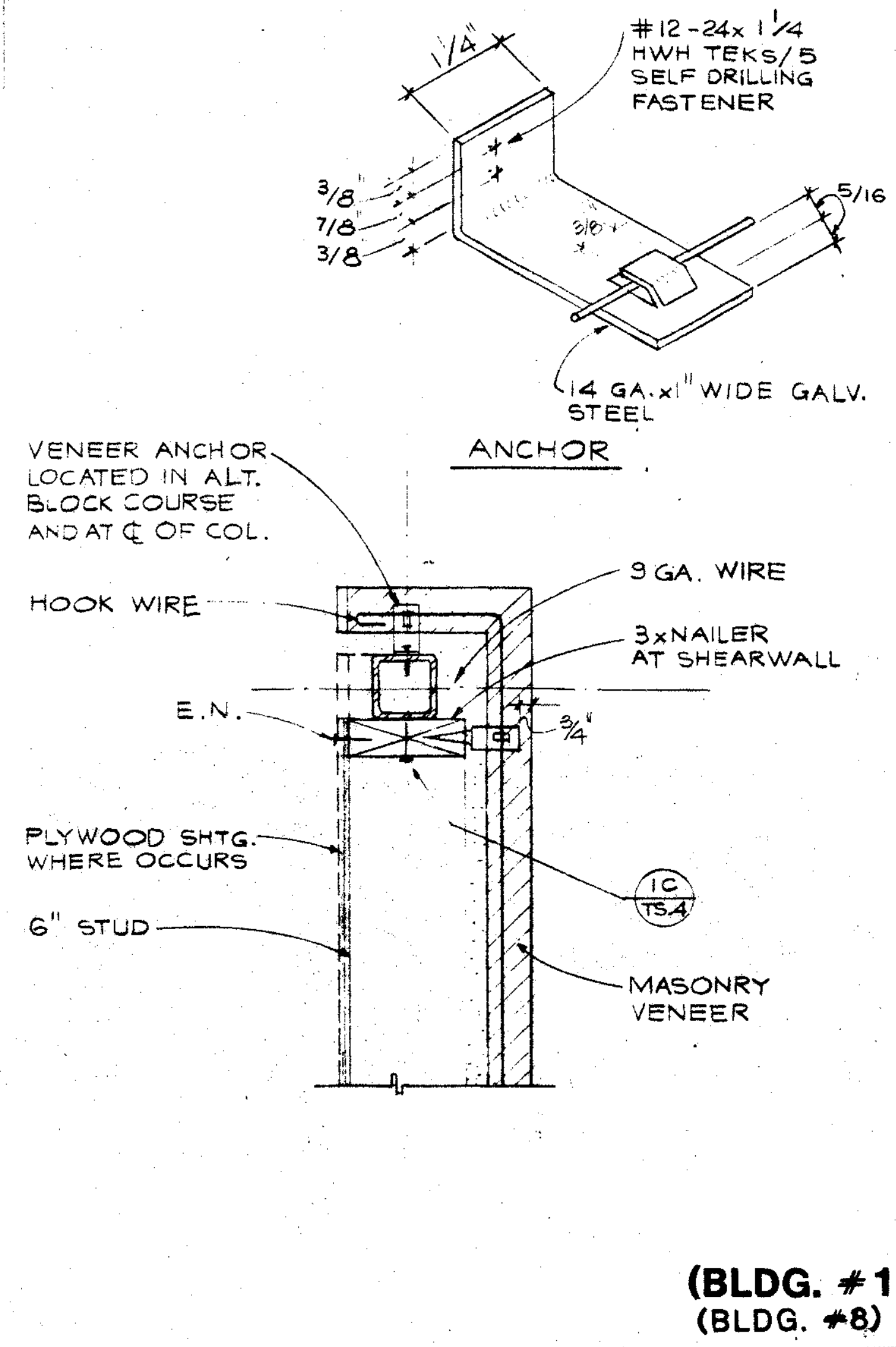
EQUIPT. ROD HANGER 18



STL. BM.
12/TS-5 TYP.
3/16
1/4" CONN. ℞ CENTERED ON BEAM WEB
HANGER ROD
∠ 2½ x 2½ x 3/16 W/ 1/2" ⌀ BOLT AT EA. END, AT 16'-0" O.C. MAX.
HANGER ROD
∠ 2½ x 2½
4" MAX.
FABRICATED "I" BEAM
4" MAX.

SEE 18/TS-5 FOR OTHER DETAILS

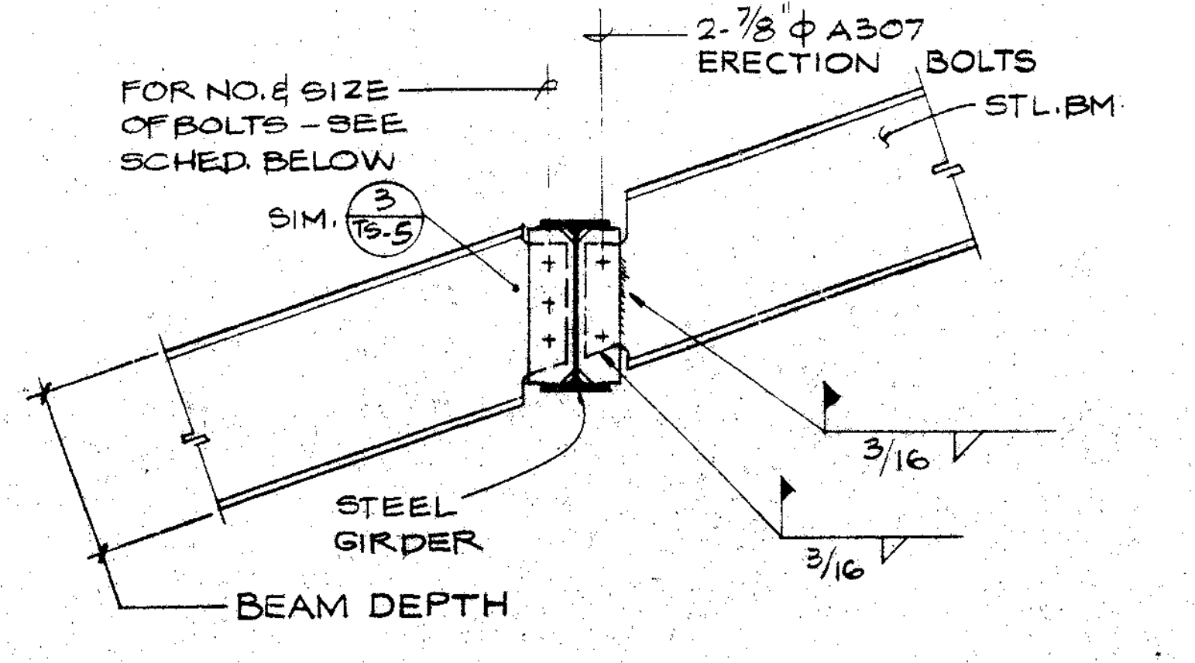
TYP. MOVABLE PARTITION LATERAL BRACE 17



#12-24 x 1¼ HWH TEKS/5 SELF DRILLING FASTENER
1¼
3/8
7/8
3/8
5/16
14 GA. x 1" WIDE GALV. STEEL
ANCHOR
VENEER ANCHOR LOCATED IN ALT. BLOCK COURSE AND AT € OF COL.
9 GA. WIRE
HOOK WIRE
3x NAILER AT SHEARWALL
E.N.
PLYWOOD SHTG. WHERE OCCURS
6" STUD
1C/TS-4
MASONRY VENEER

(BLDG. #1)
(BLDG. #8)

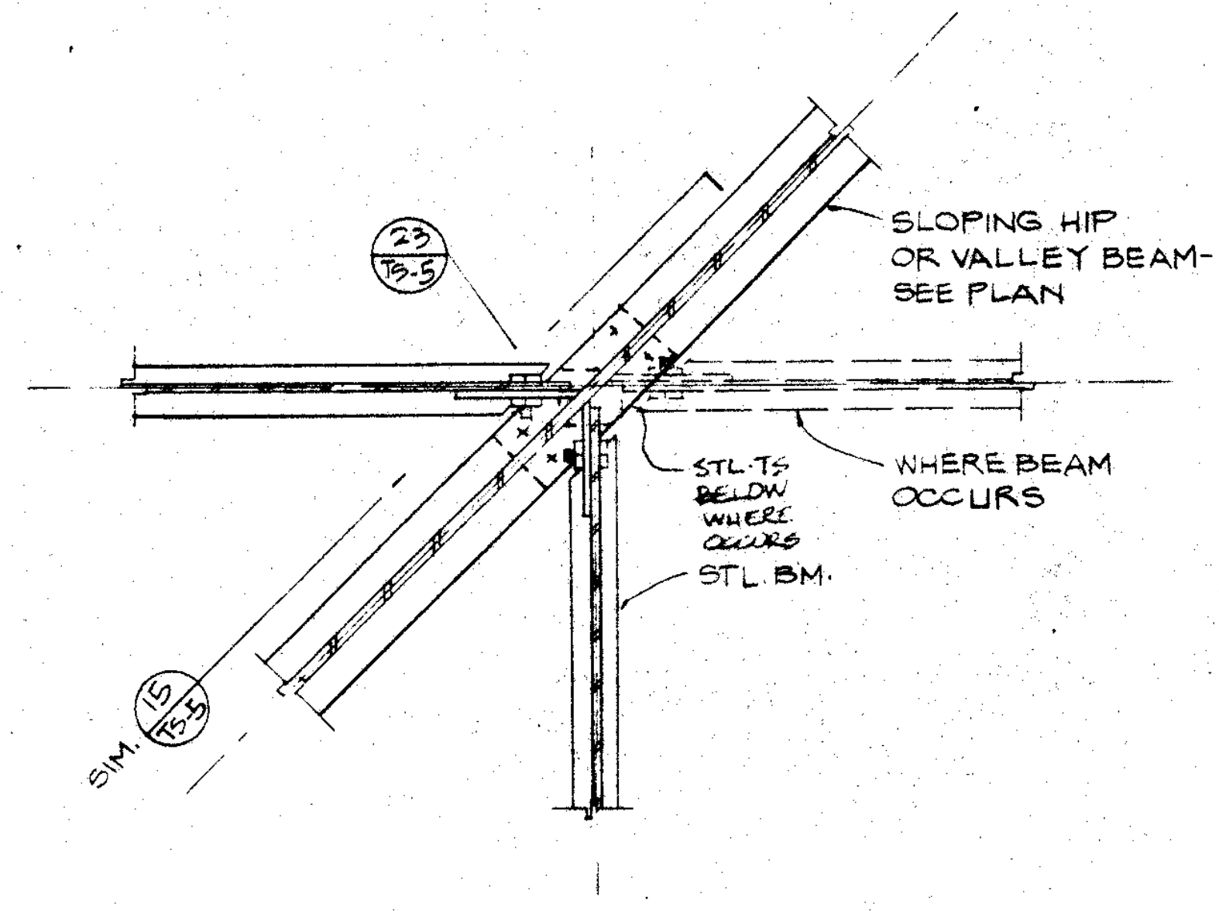
VENEER DETAIL 15



FOR NO. & SIZE OF BOLTS - SEE SCHED. BELOW
SIM. 3/TS-5
2-7/8" ⌀ A307 ERECTION BOLTS
STL. BM.
3/16
STEEL GIRDER
BEAM DEPTH
3/16

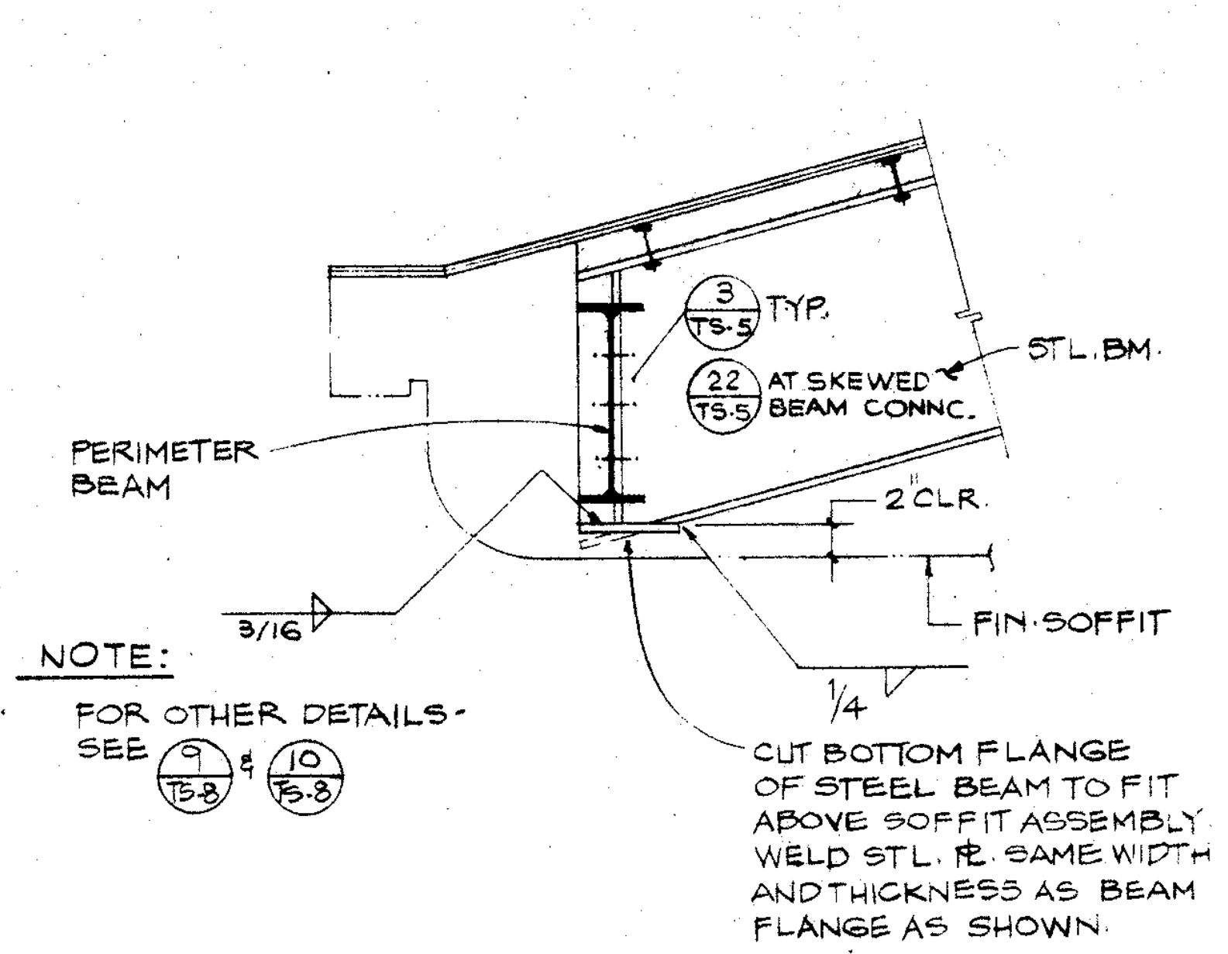
BEAM DEPTH	NO. & SIZE	TYPE
W12	3 - 7/8" ⌀	A307
W14	3 - 7/8" ⌀	A307
W16	4 - 7/8" ⌀	A307

SLOPING BEAM TO GIRDER 14



23/TS-5
SLOPING HIP OR VALLEY BEAM - SEE PLAN
STL. TS BELOW WHERE OCCURS
WHERE BEAM OCCURS
STL. BM.
SIM. 15/TS-5

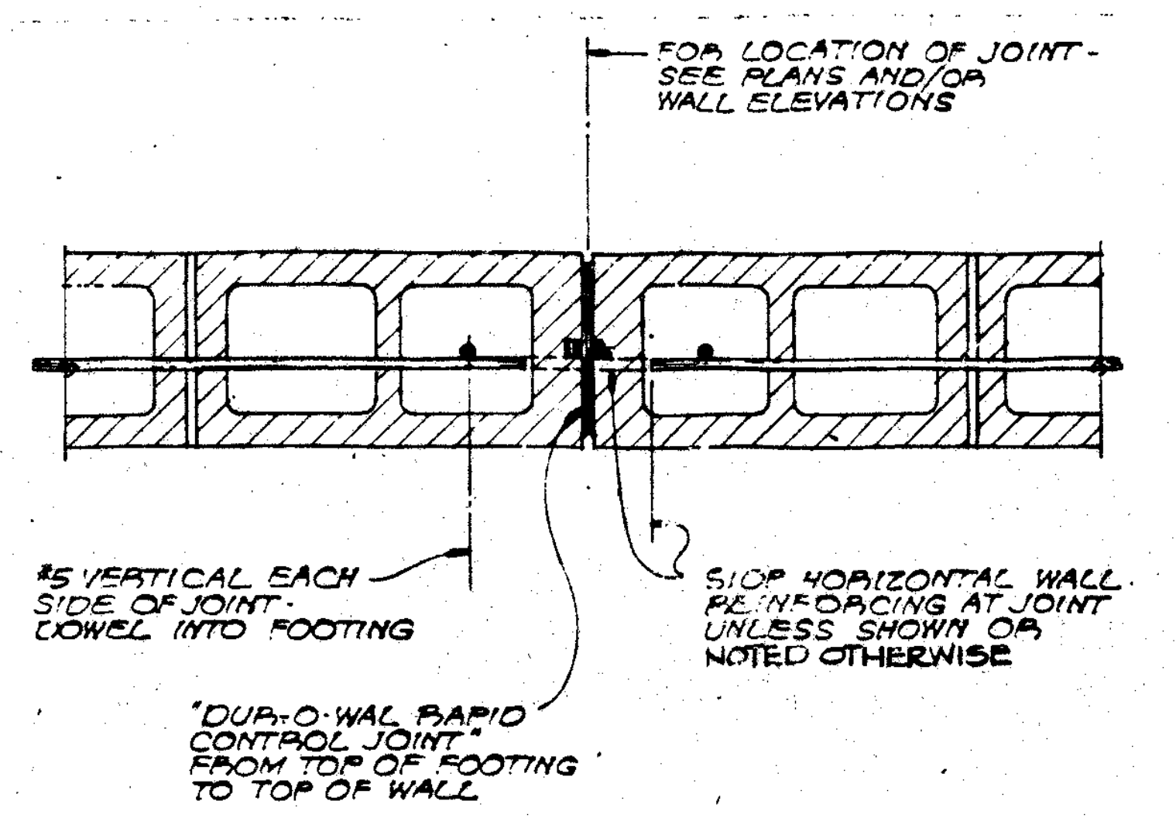
PLAN SECTION 13



3/TS-5 TYP.
22/TS-5 AT SKEWED BEAM CONN.
STL. BM.
PERIMETER BEAM
2 CLR.
FIN. SOFFIT
3/16
1/4
CUT BOTTOM FLANGE OF STEEL BEAM TO FIT ABOVE SOFFIT ASSEMBLY WELD STL. ℞ SAME WIDTH AND THICKNESS AS BEAM FLANGE AS SHOWN.

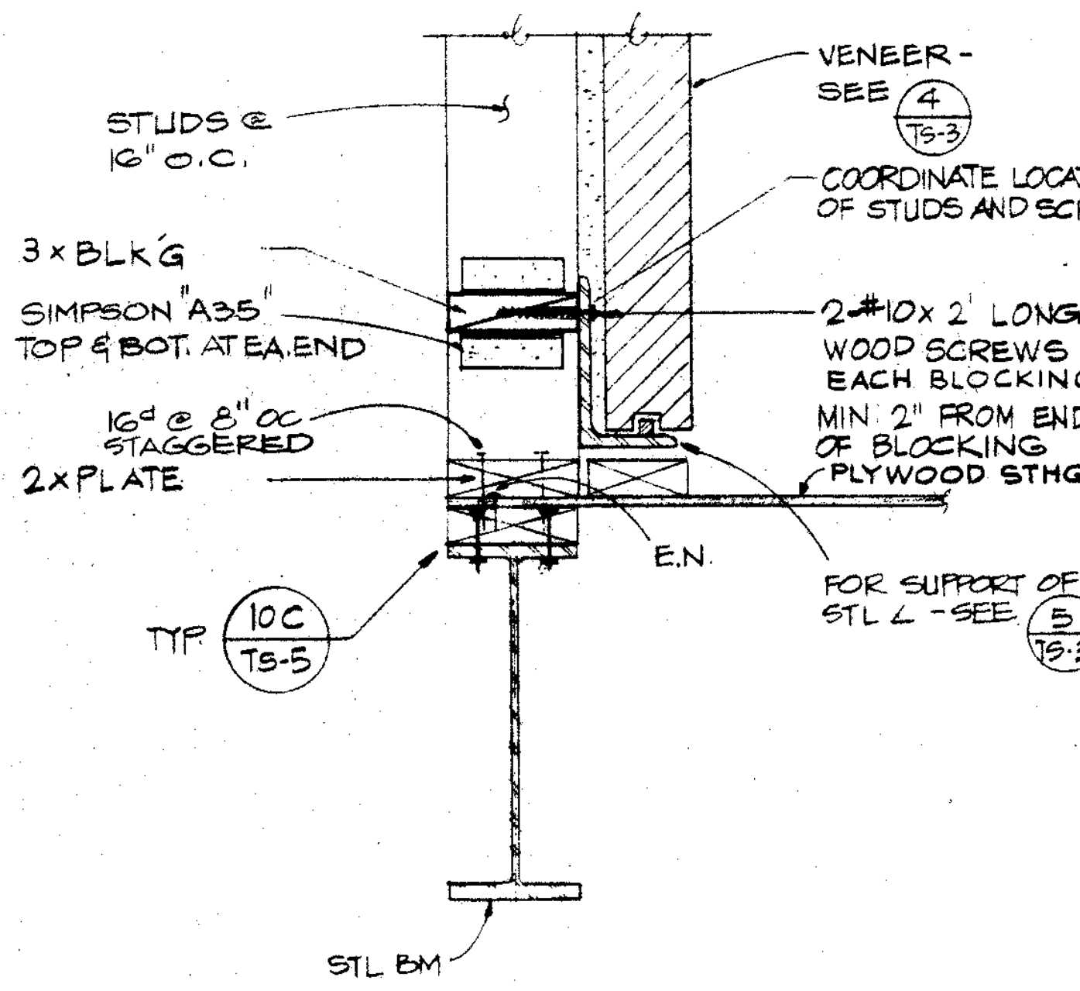
NOTE:
FOR OTHER DETAILS - SEE 9/TS-8 & 10/TS-8

SECTION 12



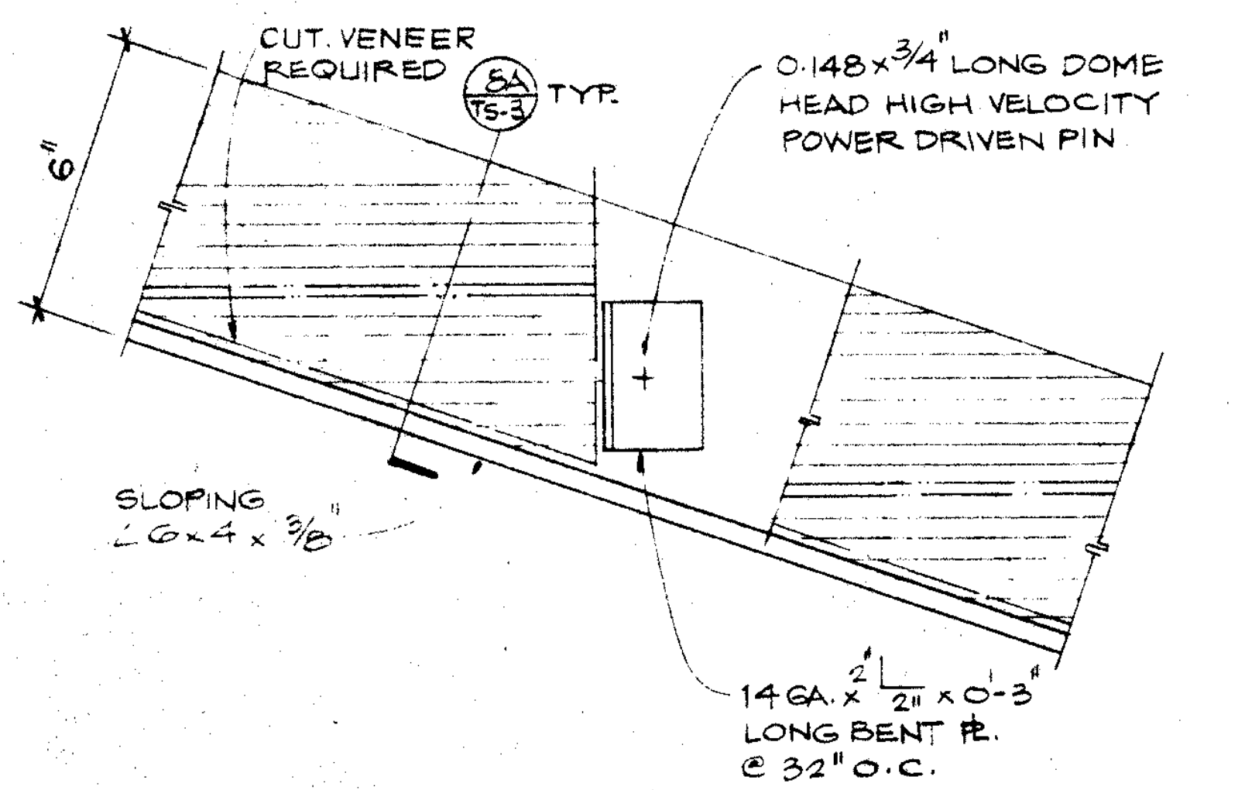
FOR LOCATION OF JOINT - SEE PLANS AND/OR WALL ELEVATIONS
#5 VERTICAL EACH SIDE OF JOINT DOWEL INTO FOOTING
"DUR-O-WAL RAPID CONTROL JOINT" FROM TOP OF FOOTING TO TOP OF WALL
STOP HORIZONTAL WALL REINFORCING AT JOINT UNLESS SHOWN OR NOTED OTHERWISE

FREE STANDING BLK. WALL CONTROL JT. 11



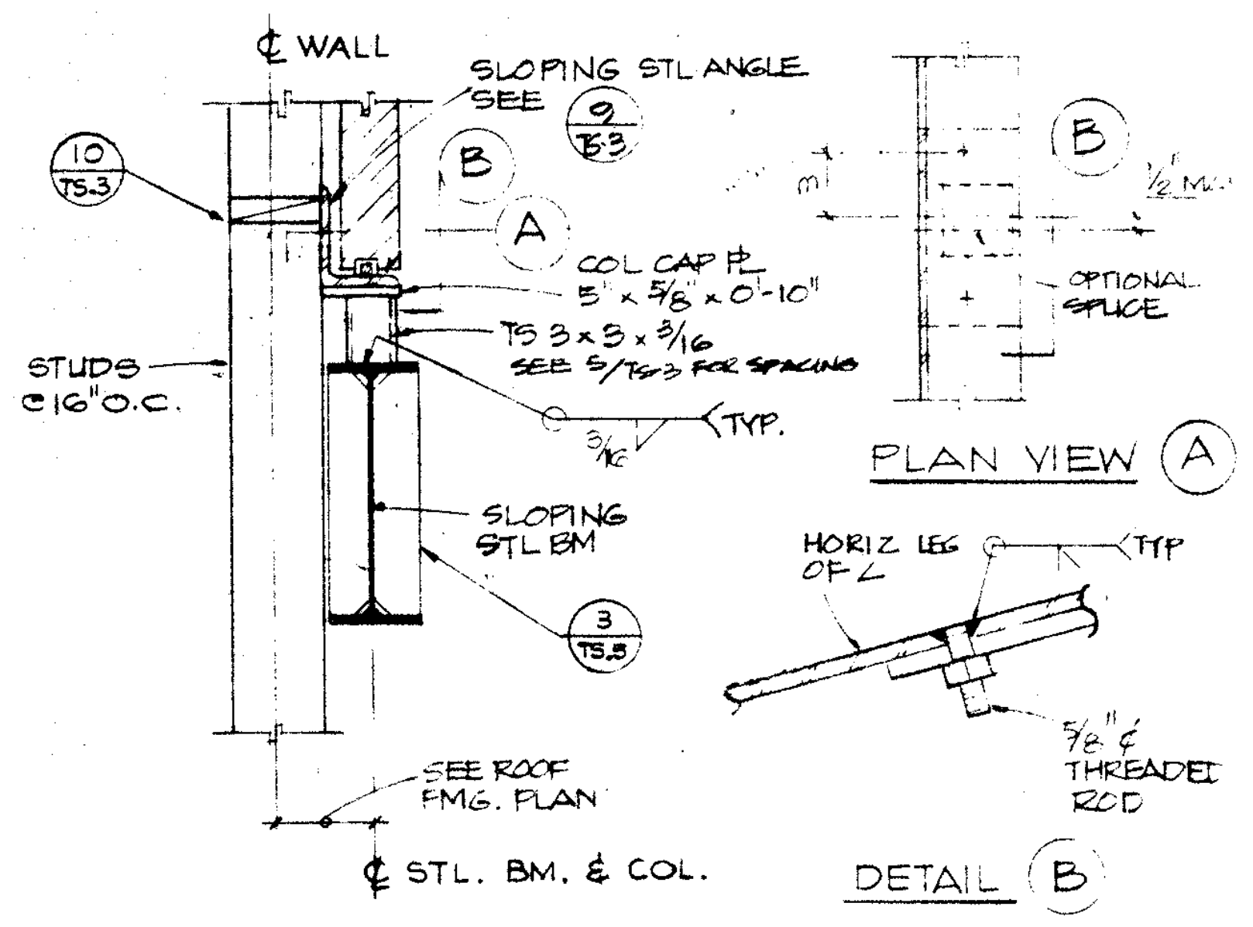
STUDS @ 16" O.C.
3 x BLK'G
SIMPSON "A35" TOP & BOT. AT EA. END
16d @ 8" OC STAGGERED
2x PLATE
TYP. 10C/TS-5
VENEER - SEE 4/TS-3
COORDINATE LOCATION OF STUDS AND SCREWS.
2-#10 x 2" LONG WOOD SCREWS AT EACH BLOCKING MIN. 2" FROM ENDS OF BLOCKING
PLYWOOD STHG.
E.N.
FOR SUPPORT OF STL ∠ - SEE 5/TS-3
STL BM

VENEER ANGLE SUPPORT 10



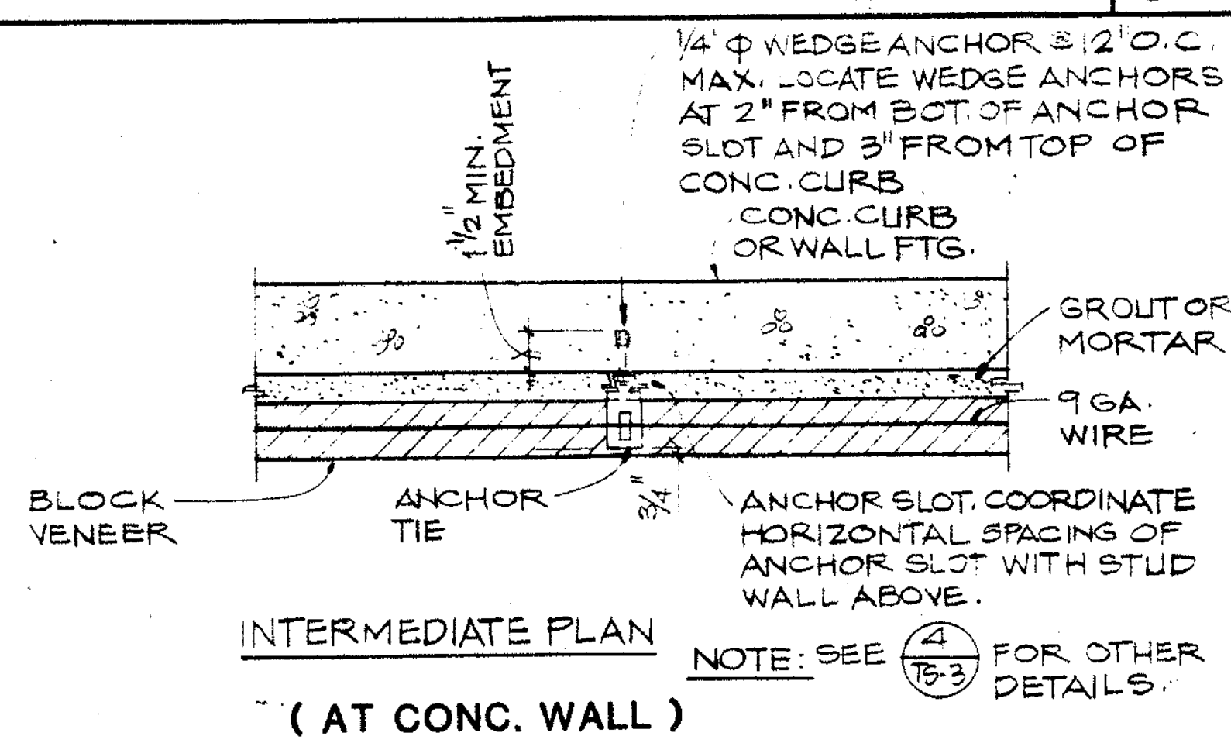
CUT VENEER REQUIRED
5A/TS-5 TYP.
6"
0.148 x 3/4" LONG DOME HEAD HIGH VELOCITY POWER DRIVEN PIN
SLOPING ∠ 6 x 4 x 3/8
14 GA. x 2½" x 0'-3" LONG BENT ℞ @ 32" O.C.

SLOPING VENEER ANGLE SUPPORT 9



€ WALL
10/TS.3
SLOPING STL ANGLE SEE 9/TS.3
B
A
COL CAP ℞ 5" x 5/8" x 0'-10"
TS 3 x 3 x 3/16 SEE 5/TS-3 FOR SPACING
STUDS @ 16" O.C.
5/16 TYP.
SLOPING STL BM
3/TS.5
SEE ROOF FMG. PLAN
€ STL. BM. & COL.
B
1/2" MAX
OPTIONAL SPLICE
PLAN VIEW (A)
HORIZ LEG OF ∠
TYP
5/8" ⌀ THREADED ROD
DETAIL (B)

DETAIL 8A

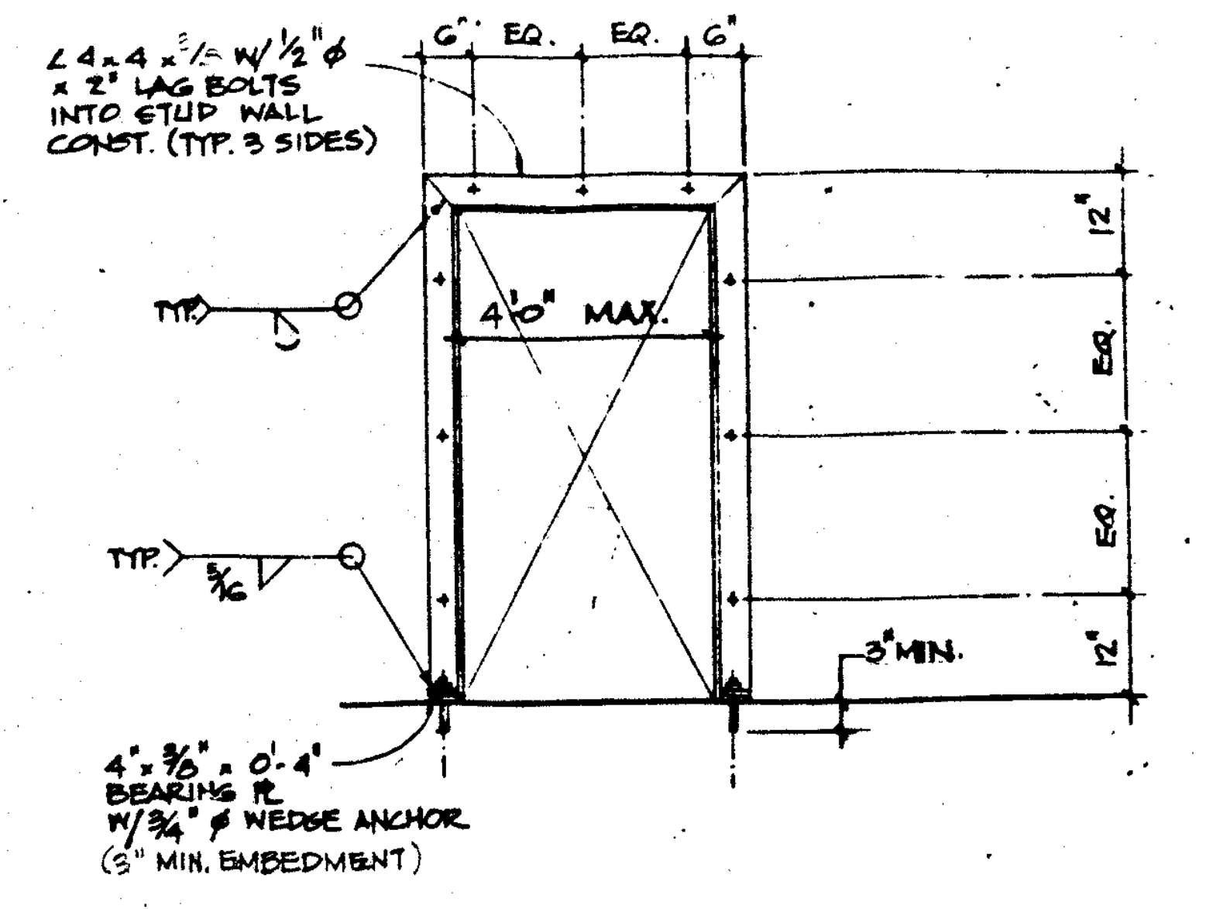


1½" MIN. EMBEDMENT
1/4" ⌀ WEDGE ANCHOR @ 12" O.C. MAX. LOCATE WEDGE ANCHORS AT 2" FROM BOT. OF ANCHOR SLOT AND 3" FROM TOP OF CONC. CURB
CONC. CURB OR WALL FTG.
GROUT OR MORTAR
9 GA. WIRE
BLOCK VENEER
ANCHOR TIE
ANCHOR SLOT. COORDINATE HORIZONTAL SPACING OF ANCHOR SLOT WITH STUD WALL ABOVE.
INTERMEDIATE PLAN

NOTE: SEE 5/TS-3 FOR OTHER DETAILS.

(AT CONC. WALL)

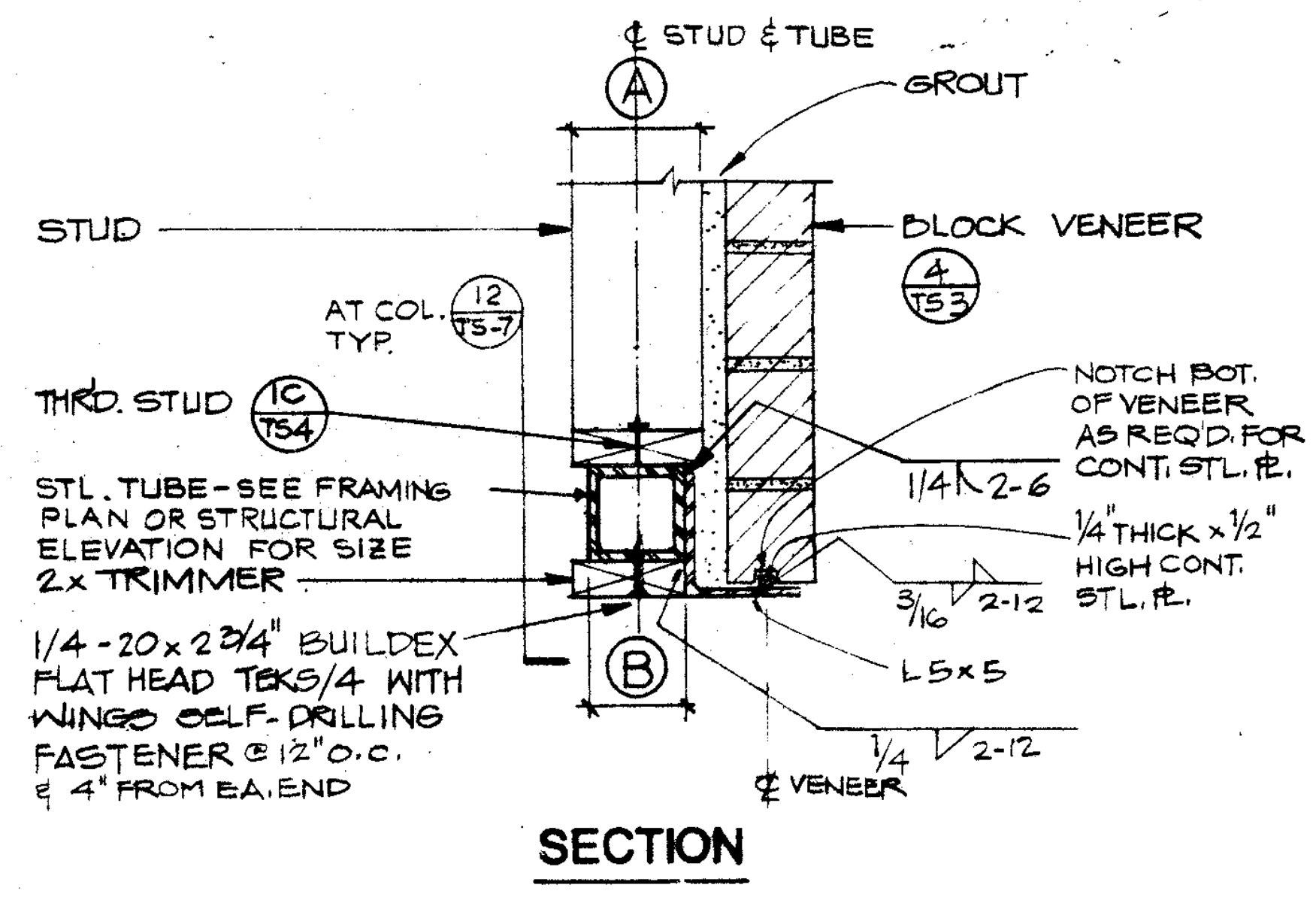
BLOCK VENEER DETAIL 8



L 4 x 4 x 1/4 W/ 1/2" ⌀ x 2" LAG BOLTS INTO STUD WALL CONST. (TYP. 3 SIDES)
6" EQ. EQ. 6"
TYP.
4'-0" MAX.
12"
EQ.
EQ.
TYP. 3/16
3" MIN.
4" x 3/8" x 0'-4" BEARING ℞ W/ 3/4" ⌀ WEDGE ANCHOR (3" MIN. EMBEDMENT)

(WHERE VENEER OCCURS OVER DOOR OPENING)

VENEER SUPPORT AT OPENINGS 7



€ STUD & TUBE
A
GROUT
STUD
BLOCK VENEER 4/TS-3
AT COL. 12/TS-7 TYP.
THRD. STUD 1C/TS-4
STL. TUBE - SEE FRAMING PLAN OR STRUCTURAL ELEVATION FOR SIZE
2x TRIMMER
1/4-20 x 2 3/4" BUILDEX FLAT HEAD TEKS/4 WITH WINGS SELF-DRILLING FASTENER @ 12" O.C. & 4" FROM EA. END
NOTCH BOT. OF VENEER AS REQ'D. FOR CONT. STL. ℞.
1/4 2-6
1/4" THICK x 1/2" HIGH CONT. STL. ℞.
3/16 2-12
L 5 x 5
B
1/4 2-12
€ VENEER

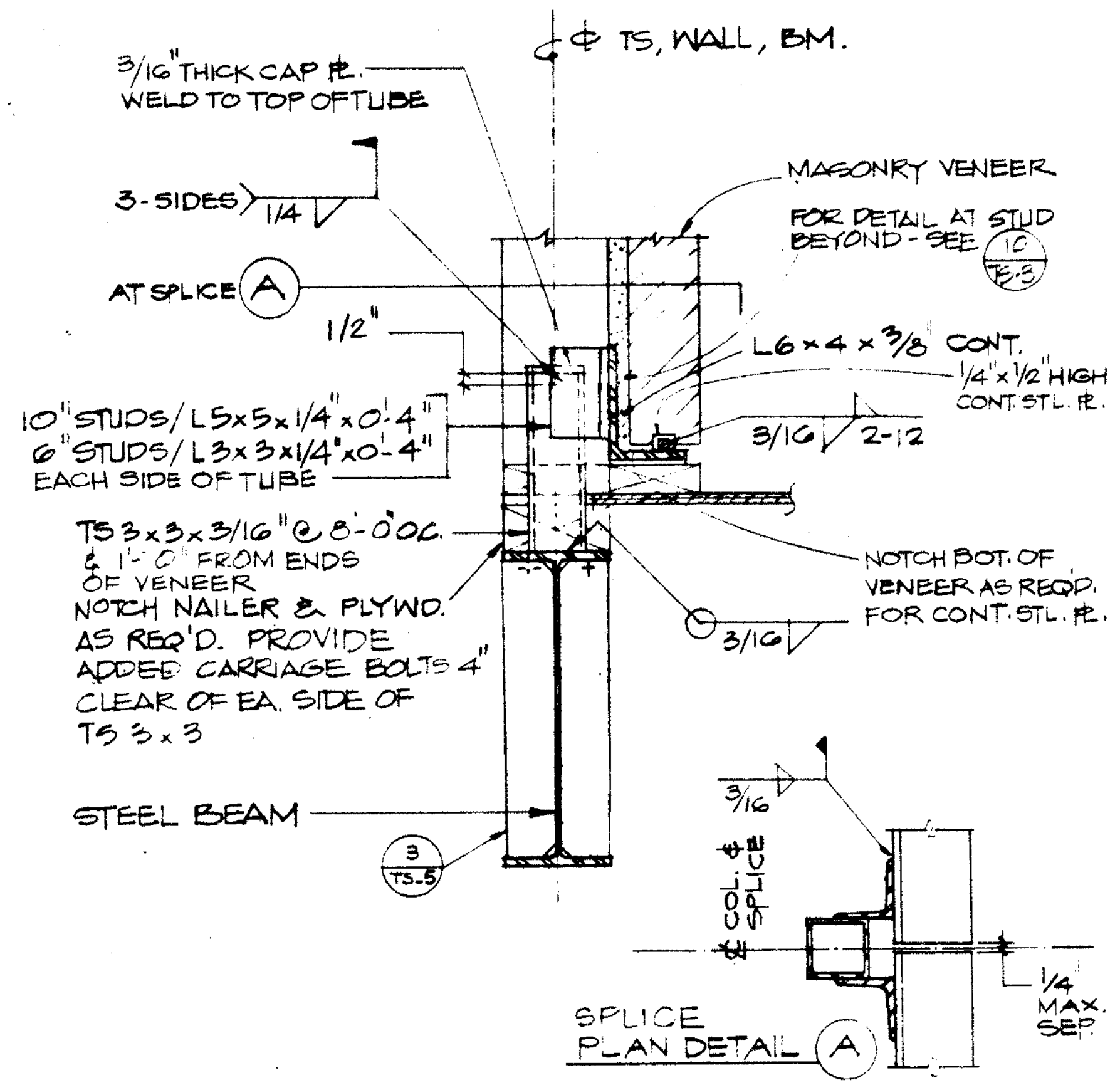
SECTION

NOM. STUD WIDTH (A)	* TUBE WIDTH (B)	ANGLE SIZE
6"	4"	L 5 x 5 x 1/2"
6"	5"	L 5 x 5 x 1/2"
10"	6"	L 5 x 5 x 1/2"
10"	7"	L 5 x 5 x 1/2"
8"	5"	L 5 x 5 x 1/2"

* SEE ROOF FRAMING PLAN AND/OR ELEVATION FOR TUBE SIZE AND THICKNESS

(AT STEEL TUBE)

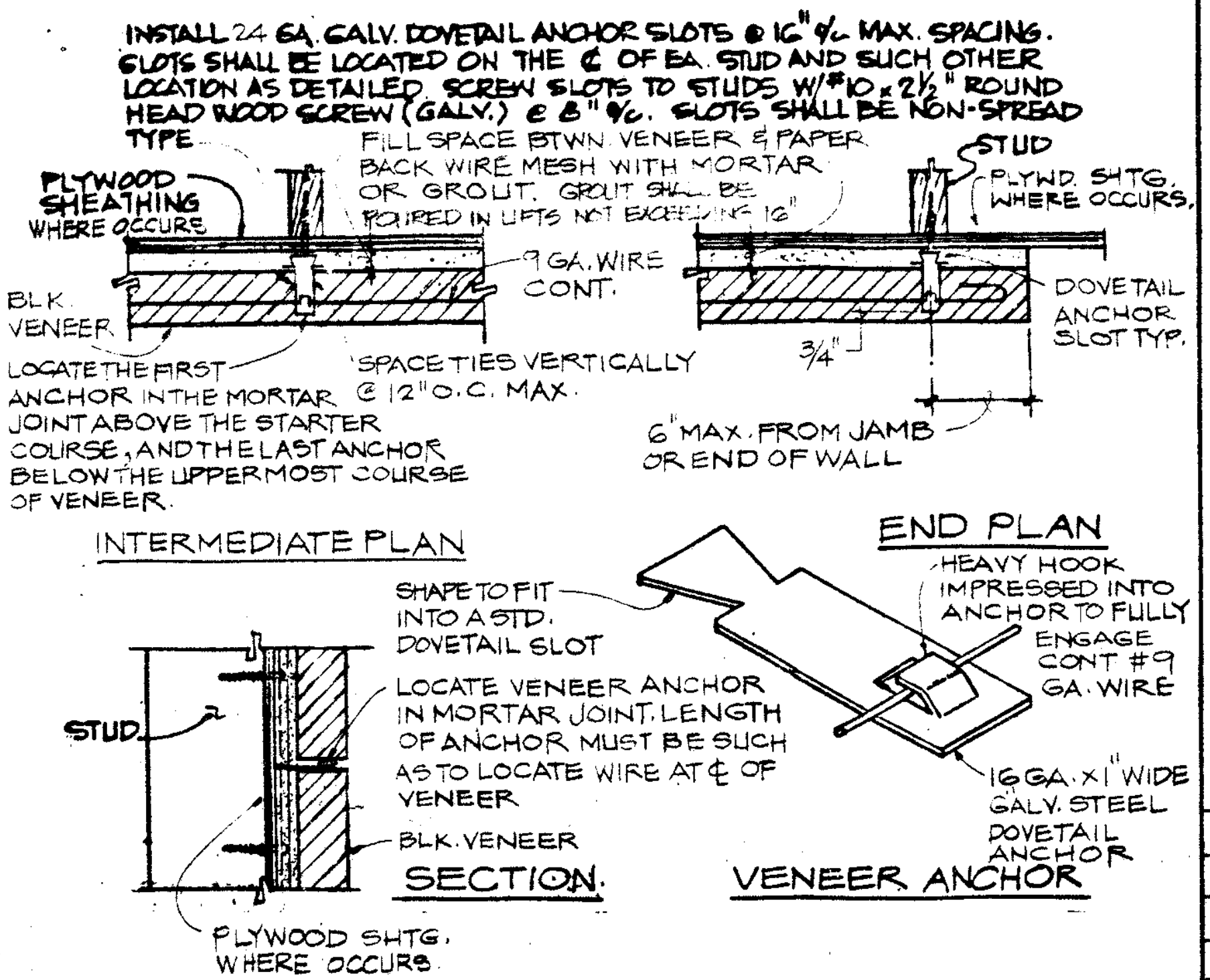
VENEER SUPPORT 6



3/16" THICK CAP ℞. WELD TO TOP OF TUBE
€ TS, WALL, BM.
3-SIDES 1/4
MASONRY VENEER
FOR DETAIL AT STUD BEYOND - SEE 10/TS-3
AT SPLICE (A)
1/2"
L 6 x 4 x 3/8 CONT.
1/4" x 1/2" HIGH CONT. STL. ℞.
10" STUDS / L 5 x 5 x 1/4" x 0'-4"
6" STUDS / L 3 x 3 x 1/4" x 0'-4"
EACH SIDE OF TUBE
3/16 2-12
TS 3 x 3 x 3/16" @ 8'-0" O.C. & 1'-0" FROM ENDS OF VENEER
NOTCH NAILER & PLYWD. AS REQ'D. PROVIDE ADDED CARRIAGE BOLTS 4" CLEAR OF EA. SIDE OF TS 3 x 3
NOTCH BOT. OF VENEER AS REQD. FOR CONT. STL. ℞.
3/16
STEEL BEAM
3/TS-5
3/16
€ COL. & SPLICE
1/4 MAX. SEP.
SPLICE PLAN DETAIL (A)

VENEER ANGLE SUPPORT 5

INSTALL 24 GA. GALV. DOVETAIL ANCHOR SLOTS @ 16" O/C MAX. SPACING. SLOTS SHALL BE LOCATED ON THE € OF EA. STUD AND SUCH OTHER LOCATION AS DETAILED. SCREW SLOTS TO STUDS W/ #10 x 2½" ROUND HEAD WOOD SCREW (GALV.) @ 8" O/C. SLOTS SHALL BE NON-SPREAD TYPE



PLYWOOD SHEATHING WHERE OCCURS
FILL SPACE BTWN. VENEER & PAPER BACK WIRE MESH WITH MORTAR OR GROUT. GROUT SHALL BE POURED IN LIFTS NOT EXCEEDING 16"
STUD
PLYWD. SHTG. WHERE OCCURS.
9 GA. WIRE CONT.
BLK. VENEER
DOVETAIL ANCHOR SLOT TYP.
LOCATE THE FIRST ANCHOR IN THE MORTAR JOINT ABOVE THE STARTER COURSE, AND THE LAST ANCHOR BELOW THE UPPERMOST COURSE OF VENEER.
SPACE TIES VERTICALLY @ 12" O.C. MAX.
3/4"
6" MAX. FROM JAMB OR END OF WALL
INTERMEDIATE PLAN
END PLAN
SHAPE TO FIT INTO A STD. DOVETAIL SLOT
HEAVY HOOK IMPRESSED INTO ANCHOR TO FULLY ENGAGE CONT #9 GA. WIRE
STUD
LOCATE VENEER ANCHOR IN MORTAR JOINT. LENGTH OF ANCHOR MUST BE SUCH AS TO LOCATE WIRE AT € OF VENEER
BLK. VENEER
16 GA. x 1" WIDE GALV. STEEL DOVETAIL ANCHOR
PLYWOOD SHTG. WHERE OCCURS
SECTION
VENEER ANCHOR

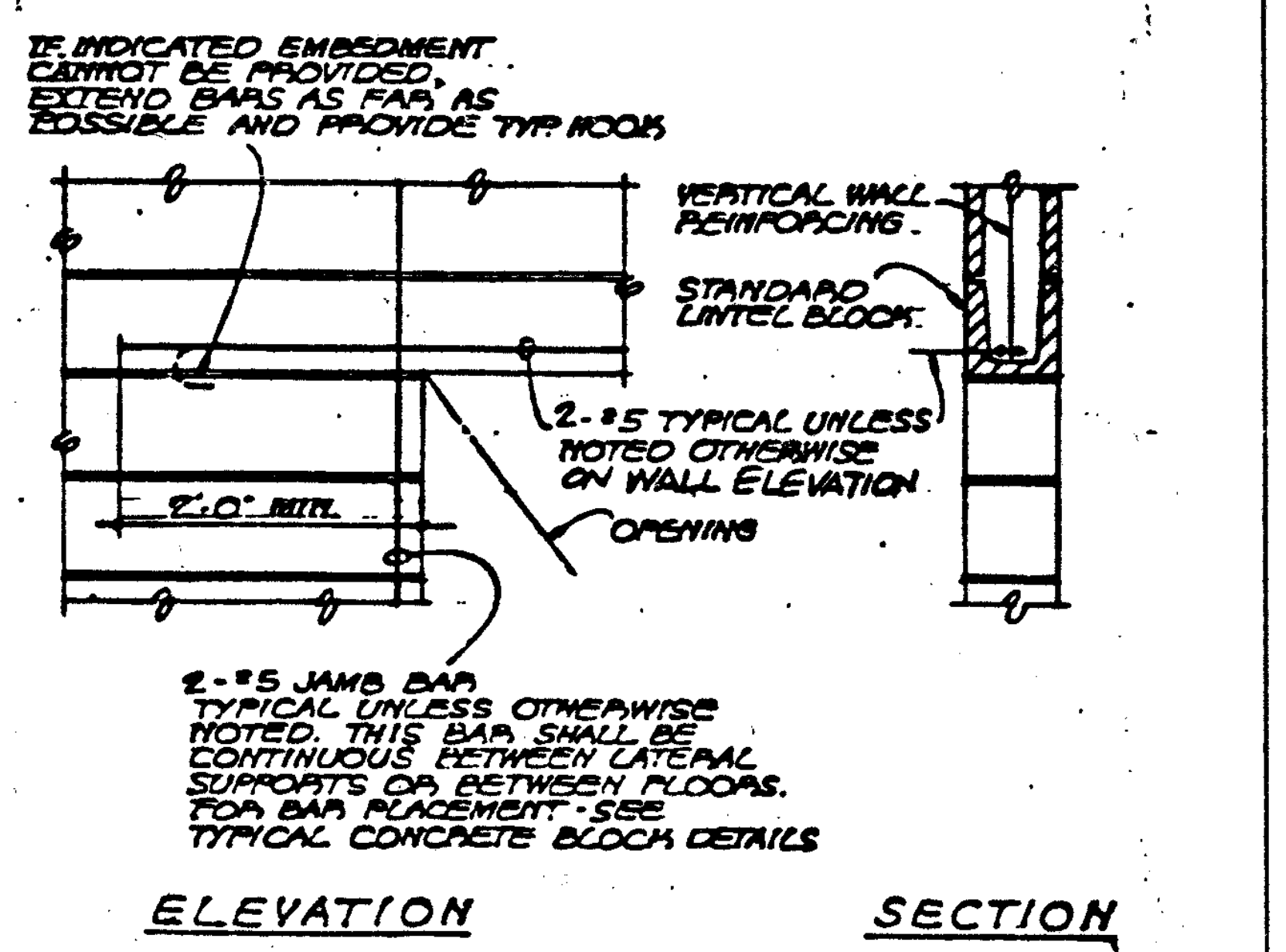
NOTES:

1. SEE 2/TS-4 & 3/TS-4 FOR PLYWOOD SHEAR PANEL ELEVATIONS.
2. SEE 6/TS-4 FOR PLYWOOD SHEAR PANEL SCHEDULE
3. SEE FOUNDATION PLANS, SECTIONS AND DETAILS ~~FOR SHEAR~~ PANEL SCHEDULE DESIGNATION.
4. SEE 8/TS-3 FOR VENEER AT CONC. WALL

(AT STUD WALL)

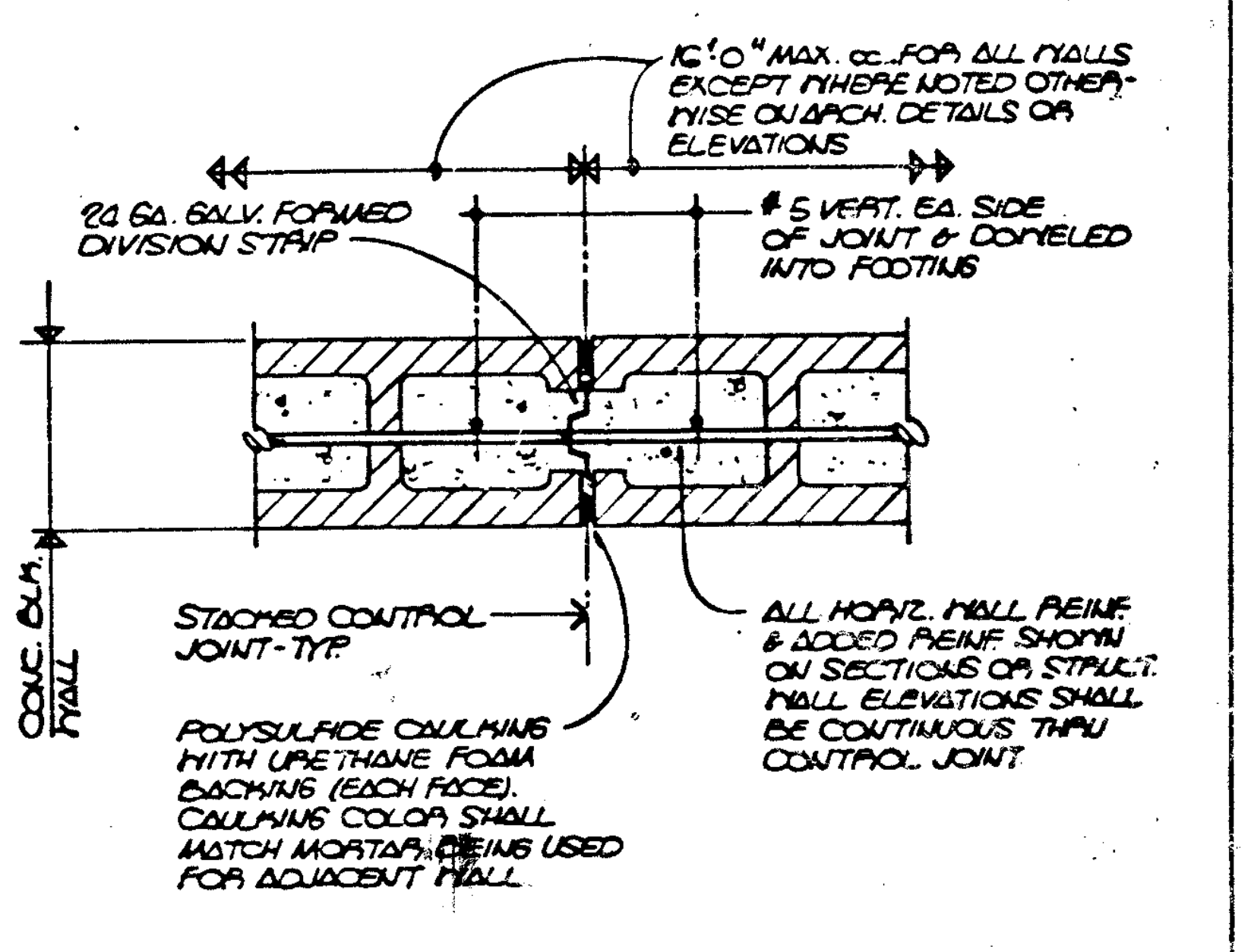
A 4 9 27 JUN 1 198

BLOCK VENEER DETAILS 4



IF INDICATED EMBEDMENT CANNOT BE PROVIDED, EXTEND BARS AS FAR AS POSSIBLE AND PROVIDE TYP. HOOK
VERTICAL WALL REINFORCING
STANDARD LINTEL BLOCK
2-#5 TYPICAL UNLESS NOTED OTHERWISE ON WALL ELEVATION
2'-0" MIN.
OPENING
2-#5 JAMB BAR TYPICAL UNLESS OTHERWISE NOTED. THIS BAR SHALL BE CONTINUOUS BETWEEN LATERAL SUPPORTS OR BETWEEN FLOORS. FOR BAR PLACEMENT - SEE TYPICAL CONCRETE BLOCK DETAILS
ELEVATION
SECTION

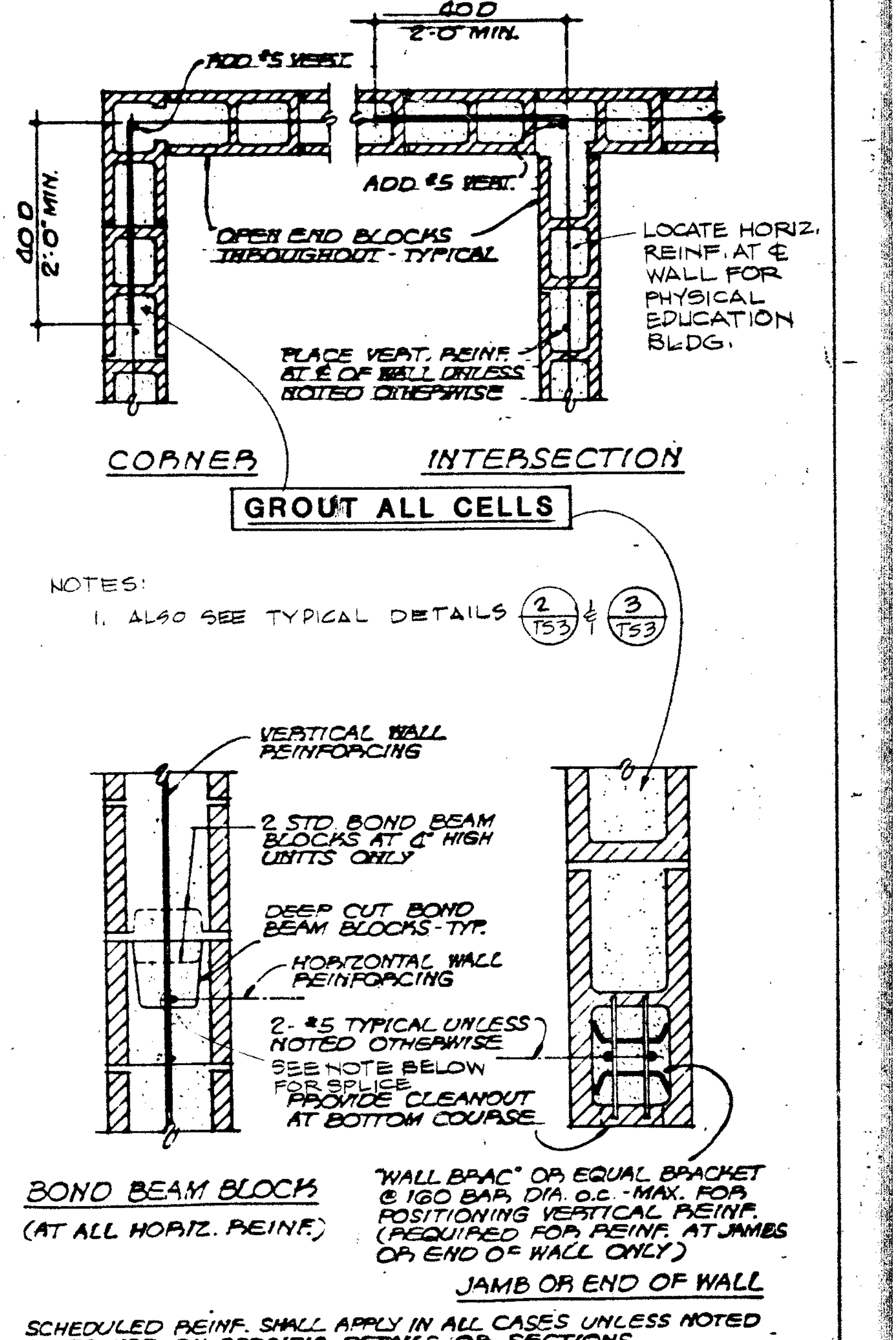
OPENING IN BLOCK WALL DETAIL 3



16'-0" MAX. O.C. FOR ALL WALLS EXCEPT WHERE NOTED OTHERWISE ON ARCH. DETAILS OR ELEVATIONS
24 GA. GALV. FORMED DIVISION STRIP
#5 VERT. EA. SIDE OF JOINT & DOWELED INTO FOOTING
CONC. BLK. WALL
STACKED CONTROL JOINT - TYP.
POLYSULFIDE CAULKING WITH URETHANE FOAM BACKING (EACH FACE). CAULKING COLOR SHALL MATCH MORTAR BEING USED FOR ADJACENT WALL
ALL HORIZ. WALL REINF. & ADDED REINF. SHOWN ON SECTIONS OR STRUCT. WALL ELEVATIONS SHALL BE CONTINUOUS THRU CONTROL JOINT

NOTE:
FOR CONTROL JOINT AT FREE STANDING YARD WALL - SEE 11/TS-3

PLAN- CONC. BLOCK CONTROL JOINT 2



40D 2'-0" MIN.
ADD #5 VERT.
ADD #5 VERT.
40D 2'-0" MIN.
OPEN END BLOCKS THROUGHOUT - TYPICAL
LOCATE HORIZ. REINF. AT € WALL FOR PHYSICAL EDUCATION BLDG.
PLACE VERT. REINF. AT € OF WALL UNLESS NOTED OTHERWISE
CORNER
INTERSECTION
GROUT ALL CELLS
VERTICAL WALL REINFORCING
2 STD BOND BEAM BLOCKS 8" HIGH UNITS ONLY
DEEP CUT BOND BEAM BLOCKS - TYP.
HORIZONTAL WALL REINFORCING
2-#5 TYPICAL UNLESS NOTED OTHERWISE
SEE NOTE BELOW FOR SPLICE
PROVIDE CLEANOUT AT BOTTOM COURSE
BOND BEAM BLOCK
(AT ALL HORIZ. REINF.)
"WALL BRAC" OR EQUAL BRACKET @ 160 BAR DIA. O.C. - MAX. FOR POSITIONING VERTICAL REINF. (REQUIRED FOR REINF. AT JAMBS OR END OF WALL ONLY)
JAMB OR END OF WALL

NOTES:
1. ALSO SEE TYPICAL DETAILS 2/TS-3 & 3/TS-3

SCHEDULED REINF. SHALL APPLY IN ALL CASES UNLESS NOTED OTHERWISE ON SPECIFIC DETAILS OR SECTIONS

TYPICAL WALL REINFORCING SCHEDULE U.N.O.

WALL THICKNESS	VERT. REINF.	HORIZ. REINF.	REMARKS
8"	#5 @ 24" o/c	#6 @ 16" o/c AT € WALL	

NOTE:
PROVIDE 5'-0" MIN. LAP AT ALL HORIZ. REINFORCING SPLICES AT PHYSICAL EDUCATION BUILDING NO. 1.

CONCRETE BLOCK DETAILS 1

Drawn By MK
Checked By SRL
Date MAR. 1988
Commission No 1.30.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers

No. 955
EXP. 12.31.88

Architects Planners
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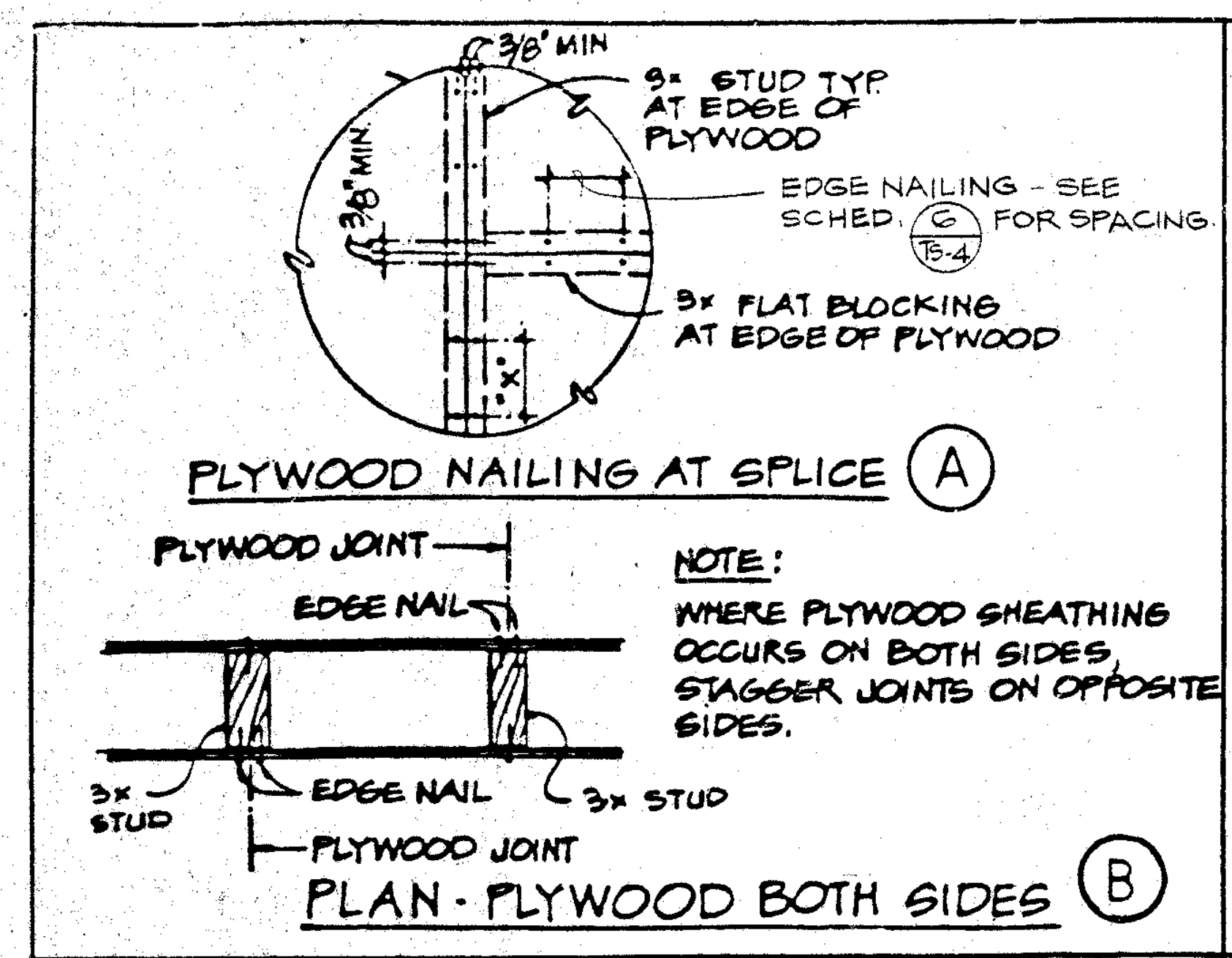
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

TYPICAL MASONRY AND STEEL DETAILS

Sheet Number
TS-3
Of Sheets

DETAIL 20

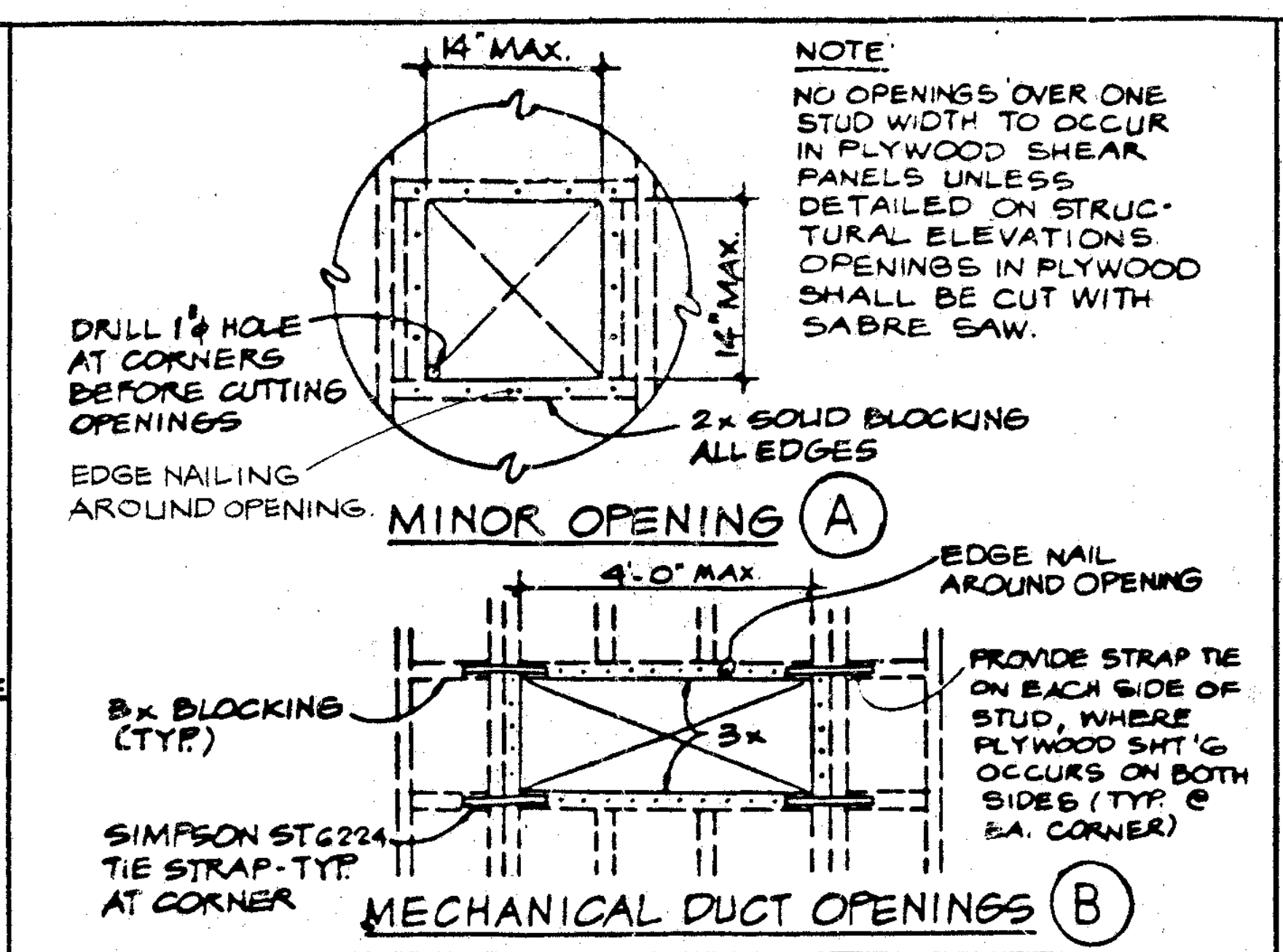

3/8" MIN
3x STUD TYP AT EDGE OF PLYWOOD
3/8" MIN
EDGE NAILING - SEE SCHED. 6/TS-4 FOR SPACING
3x FLAT BLOCKING AT EDGE OF PLYWOOD
PLYWOOD JOINT
EDGE NAIL
3x STUD
EDGE NAIL
3x STUD
PLYWOOD JOINT

PLYWOOD NAILING AT SPLICE (A)

NOTE: WHERE PLYWOOD SHEATHING OCCURS ON BOTH SIDES, STAGGER JOINTS ON OPPOSITE SIDES.

PLAN - PLYWOOD BOTH SIDES (B)

OPENING IN PLYWOOD SHEATHING 17

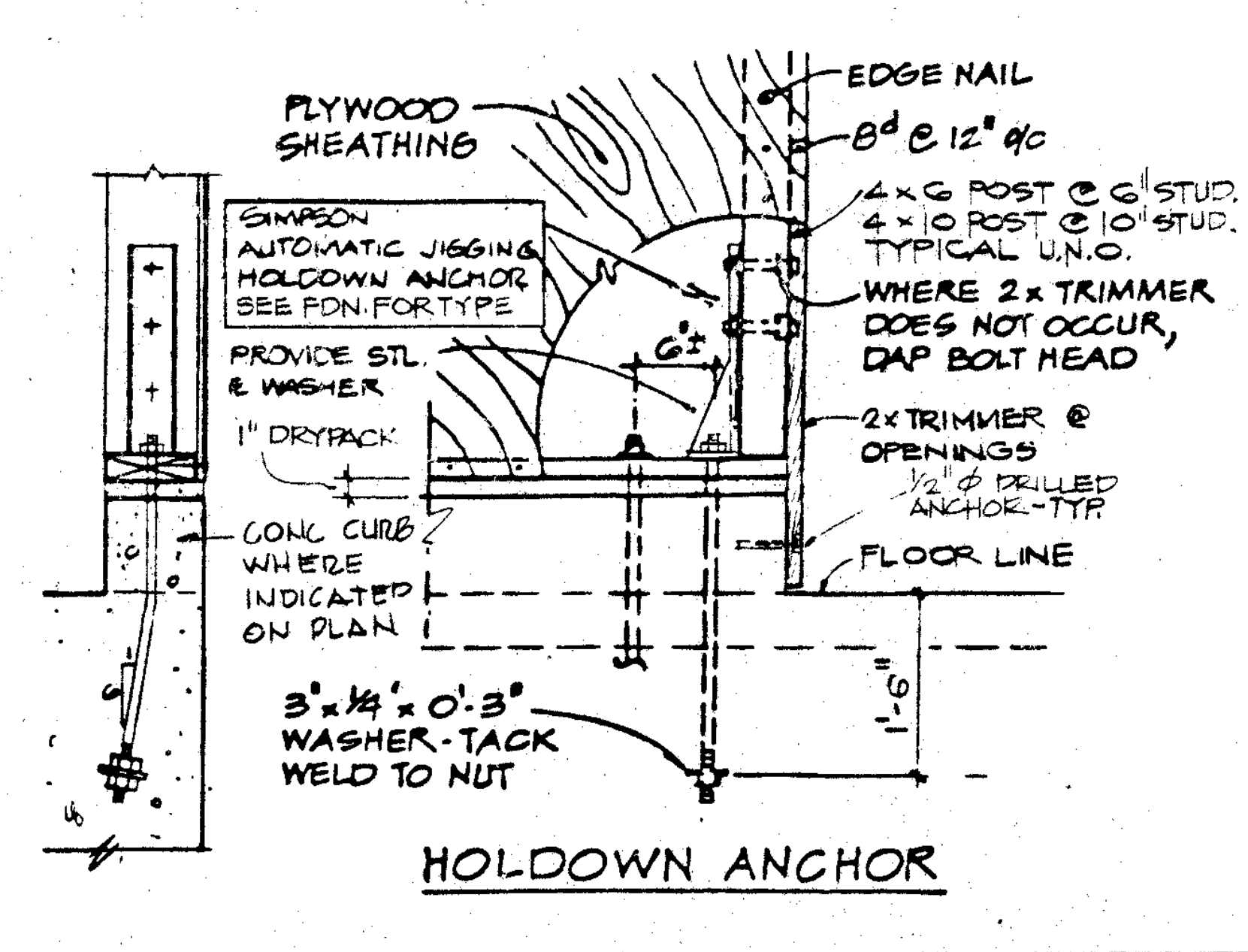

14" MAX.
14" MAX.
DRILL 1 1/4" HOLE AT CORNERS BEFORE CUTTING OPENINGS
EDGE NAILING AROUND OPENING
2x SOLID BLOCKING ALL EDGES
4'-0" MAX
EDGE NAIL AROUND OPENING
3x BLOCKING (TYP.)
3x
PROVIDE STRAP TIE ON EACH SIDE OF STUD, WHERE PLYWOOD SHT'G. OCCURS ON BOTH SIDES (TYP. @ EA. CORNER)
SIMPSON ST6224 TIE STRAP-TYP. AT CORNER

NOTE: NO OPENINGS OVER ONE STUD WIDTH TO OCCUR IN PLYWOOD SHEAR PANELS UNLESS DETAILED ON STRUCTURAL ELEVATIONS. OPENINGS IN PLYWOOD SHALL BE CUT WITH SABRE SAW.

MINOR OPENING (A)

MECHANICAL DUCT OPENINGS (B)

HOLDOWN ANCHOR DETAIL 12


PLYWOOD SHEATHING
EDGE NAIL
8d @ 12" o/c
4x6 POST @ 6" STUD, 4x10 POST @ 10" STUD, TYPICAL U.N.O.
SIMPSON AUTOMATIC JIGGING HOLDOWN ANCHOR SEE PDN FOR TYPE
PROVIDE STL. & WASHER
1" DRYPACK
WHERE 2x TRIMMER DOES NOT OCCUR, DAP BOLT HEAD
2x TRIMMER @ OPENINGS
1/2"φ DRILLED ANCHOR-TYP.
CONC. CURB WHERE INDICATED ON PLAN
FLOOR LINE
3"x3/8"x0'-3" WASHER-TACK WELD TO NUT

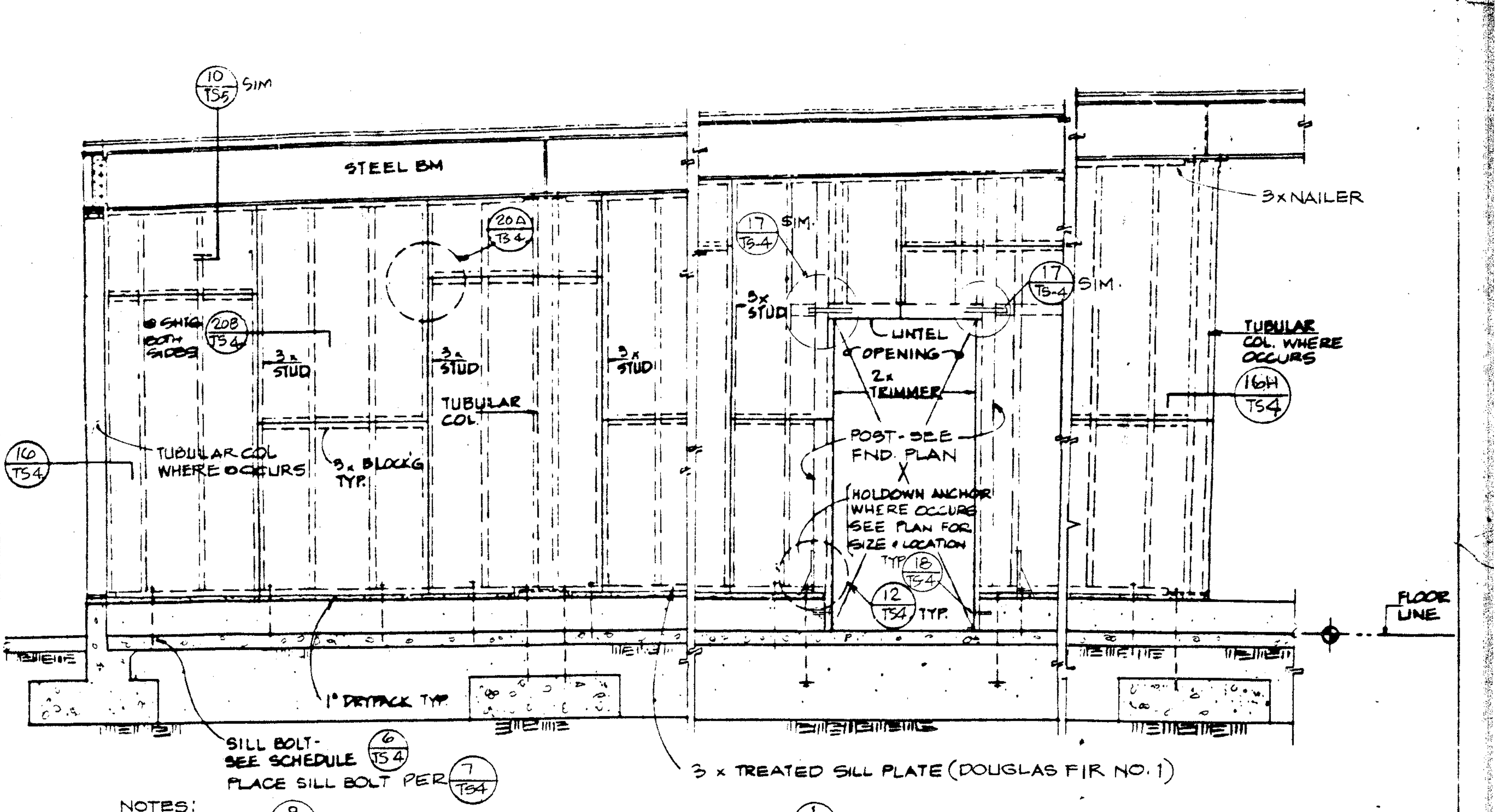
HOLDOWN ANCHOR

NOTES 8

NOTES:

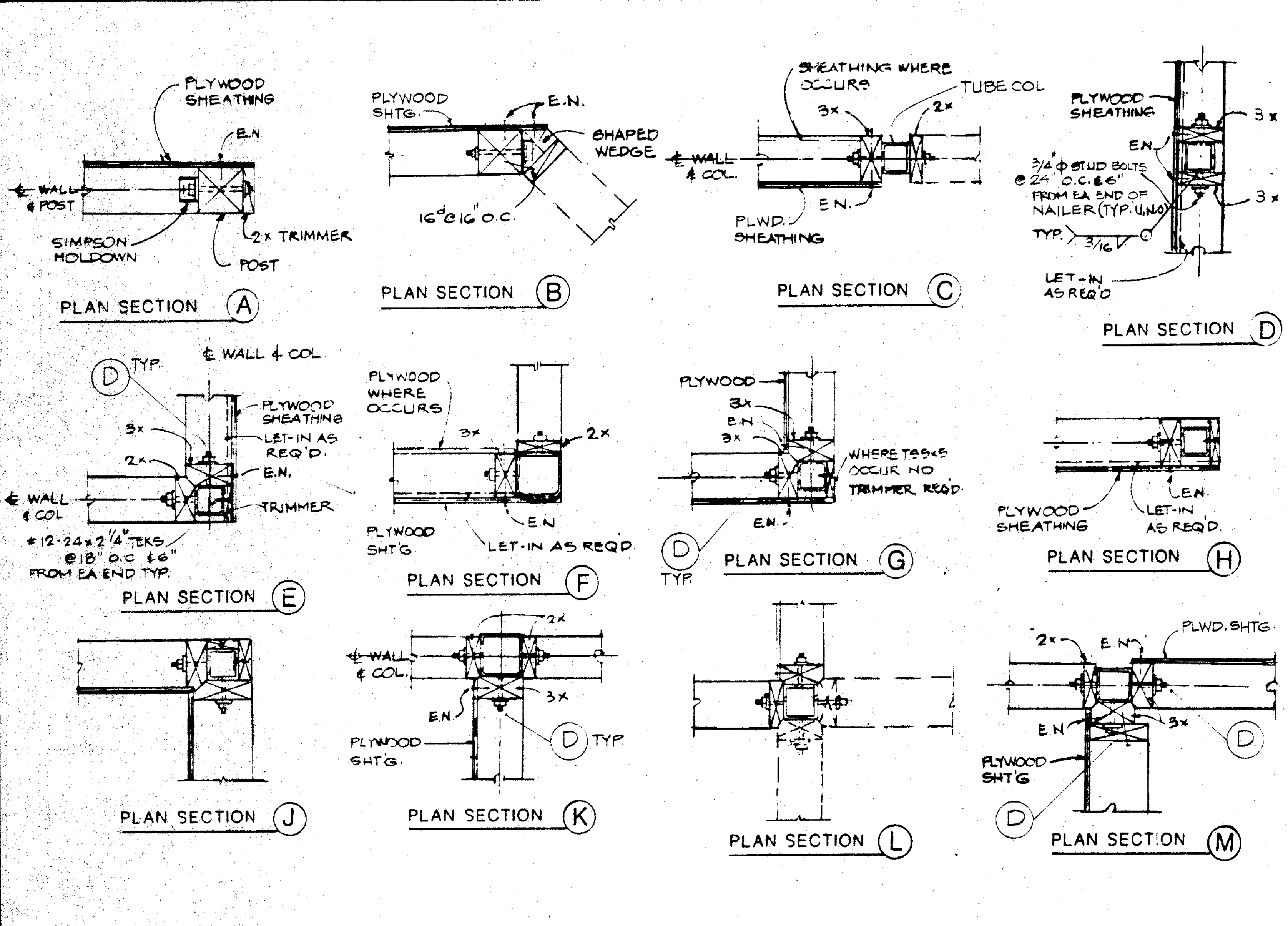
1. PLYWOOD SHALL BE 3/8" THICK AND CONFORM TO U.S. PRODUCT STANDARD PS 1-83 APA STRUCTURAL 1 EXPOSURE 1.
2. ALL NAILS SHALL BE COMMON WIRE NAILS. FOR NAILING - SEE SCHEDULE 6/TS-4.
3. INDIVIDUAL PIECES OF PLYWOOD SHALL BE NOT LESS THAN 2'-0" IN LEAST DIMENSION NOR 8 SQ. FT. IN AREA.
4. PRE-BORE HOLES FOR NAILS WHERE MEMBERS TEND TO SPLIT.
5. REFER DET. 6/TS-1 NOTE 6 FOR MACHINE APPLIED NAILING REQUIREMENTS.
6. RETIGHTEN SILL BOLT NUTS BEFORE CLOSING IN.
7. PROVIDE FURRING OR BACKING OF THICKNESS AS REQUIRED TO MAINTAIN A COMMON WALL PLANE AT ALL WOOD STUD WALL SURFACE WHICH ARE ONLY PARTIALLY SHEATHED WITH STRUCTURAL PLYWOOD. COORDINATE AND ADJUST HEAD, JAMB AND SILL DETAILS AS REQUIRED FOR PROPER OVERALL WALL THICKNESS.
8. PLYWOOD SHEETS MAY BE APPLIED VERTICALLY OR HORIZONTALLY AT CONTRACTORS OPTION.

EXTERIOR PLYWOOD SHEAR PANEL ELEVATION 3


10/TS4 SIM
STEEL BM
3x NAILER
20A/TS4
17/TS4 SIM.
17/TS4 SIM.
16 SHTG BOTH SIDES 20B/TS4
3x STUD
3x STUD
3x STUD
3x STUD
TUBULAR COL
LINTEL OPENING
2x TRIMMER
TUBULAR COL WHERE OCCURS 16H/TS4
16/TS4
TUBULAR COL WHERE OCCURS
3x BLOCKG TYP.
POST-SEE FND PLAN
HOLDOWN ANCHOR WHERE OCCURS SEE PLAN FOR SIZE & LOCATION
12/TS4 TYP.
FLOOR LINE
1" DRYPACK TYP.
SILL BOLT-SEE SCHEDULE 6/TS4
PLACE SILL BOLT PER 7/TS4
3x TREATED SILL PLATE (DOUGLAS FIR NO. 1)

NOTES: 1. SEE 8/TS-4 FOR TYPICAL SHEAR PANEL NOTES 2. SEE 1/TS-4 FOR OTHER DETAILS

SHEAR PANEL PLAN DETAILS 16

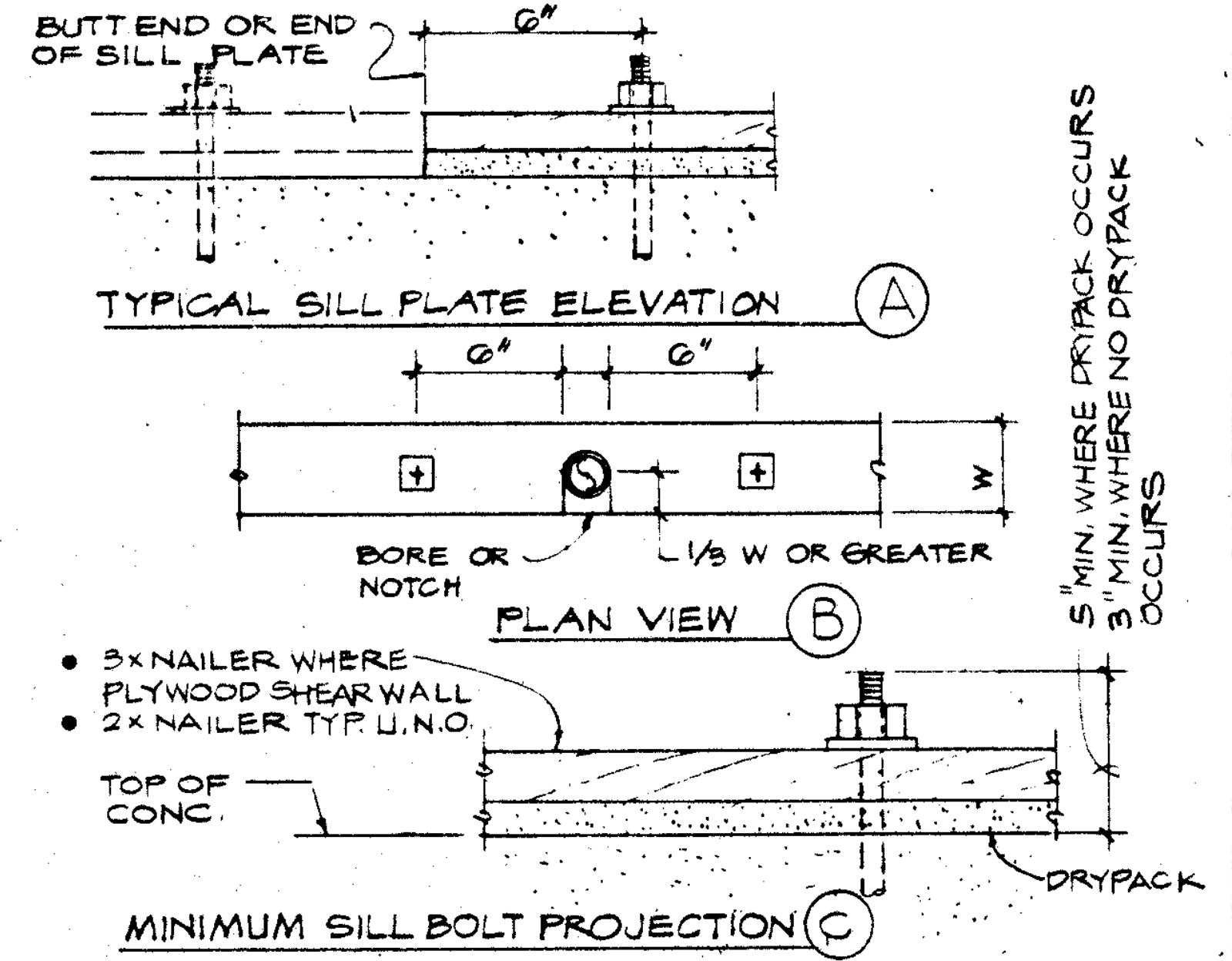

PLYWOOD SHEATHING
E.N.
℄ WALL & POST
SIMPSON HOLDOWN
2x TRIMMER
POST
PLAN SECTION (A)
PLYWOOD SHTG.
E.N.
SHAPED WEDGE
16d @ 16" O.C.
PLAN SECTION (B)
SHEATHING WHERE OCCURS
TUBE COL
3x
2x
℄ WALL & COL.
E.N.
PLWD. SHEATHING
PLAN SECTION (C)
PLYWOOD SHEATHING
3x
3/4"φ STUD BOLTS @ 24" O.C. & 6" FROM EA END OF NAILER (TYP. U.N.O.)
TYP.
LET-IN AS REQ'D
3x
PLAN SECTION (D)
(D) TYP.
℄ WALL & COL
3x
2x
PLYWOOD SHEATHING
LET-IN AS REQ'D
E.N.
℄ WALL & COL
TRIMMER
#12-24 x 2 1/4" TEKS. @ 18" O.C. & 6" FROM EA END TYP.
PLAN SECTION (E)
PLYWOOD WHERE OCCURS
3x
2x
E.N.
PLYWOOD SHTG.
LET-IN AS REQ'D
PLAN SECTION (F)
PLYWOOD
3x
E.N.
3x
WHERE TS4x4 OCCUR NO TRIMMER REQ'D
E.N.
(D) TYP.
PLAN SECTION (G)
PLYWOOD SHEATHING
LET-IN AS REQ'D
PLAN SECTION (H)
PLAN SECTION (J)
2x
℄ WALL & COL.
E.N.
3x
PLYWOOD SHTG.
(D) TYP
PLAN SECTION (K)
2x
E.N.
E.N.
PLAN SECTION (L)
2x
E.N.
PLWD. SHTG.
E.N.
3x
(D)
PLYWOOD SHTG
(D)
PLAN SECTION (M)

AT BLDG NO 10 - PROVIDE 3/4"φ STUD BOLTS AT 12"o.c. & 6" FROM END OF NAILER

SILL BOLT REQUIREMENTS 7

SILL BOLT REQUIREMENTS

1. PROVIDE A MINIMUM SILL BOLT EMBEDMENT OF 7" BELOW FINISH FLOOR OR TOP OF CURB.
2. PROVIDE AN ADDITIONAL SILL BOLT 6 INCHES FROM EACH END OF EACH PIECE OF SILL PLATE.
3. WHERE SILL PLATES ARE BORED OR NOTCHED IN EXCESS OF 1/3 OF THE SILL PLATE WIDTH, PROVIDE ADDITIONAL SILL BOLTS 6 INCHES EACH SIDE OF BORE OR NOTCH.
4. SET ALL SILL BOLTS WITH A SETTING TEMPLATE BEFORE PLACING CONCRETE. STABBING OR PUSHING OF SILL BOLTS INTO WET CONCRETE IS EXPRESSLY PROHIBITED.
5. PROVIDE A MINIMUM SILL BOLT PROJECTION ABOVE THE CONCRETE AS SHOWN ON DETAIL 7C/TS-4


BUTT END OR END OF SILL PLATE
6"
6"
6"
BORE OR NOTCH
1/3 W OR GREATER
W
5" MIN. WHERE DRYPACK OCCURS 4" MIN. WHERE NO DRYPACK OCCURS
• 3x NAILER WHERE PLYWOOD SHEAR WALL
• 2x NAILER TYP. U.N.O.
TOP OF CONC.
DRYPACK

TYPICAL SILL PLATE ELEVATION (A)

PLAN VIEW (B)

MINIMUM SILL BOLT PROJECTION (C)

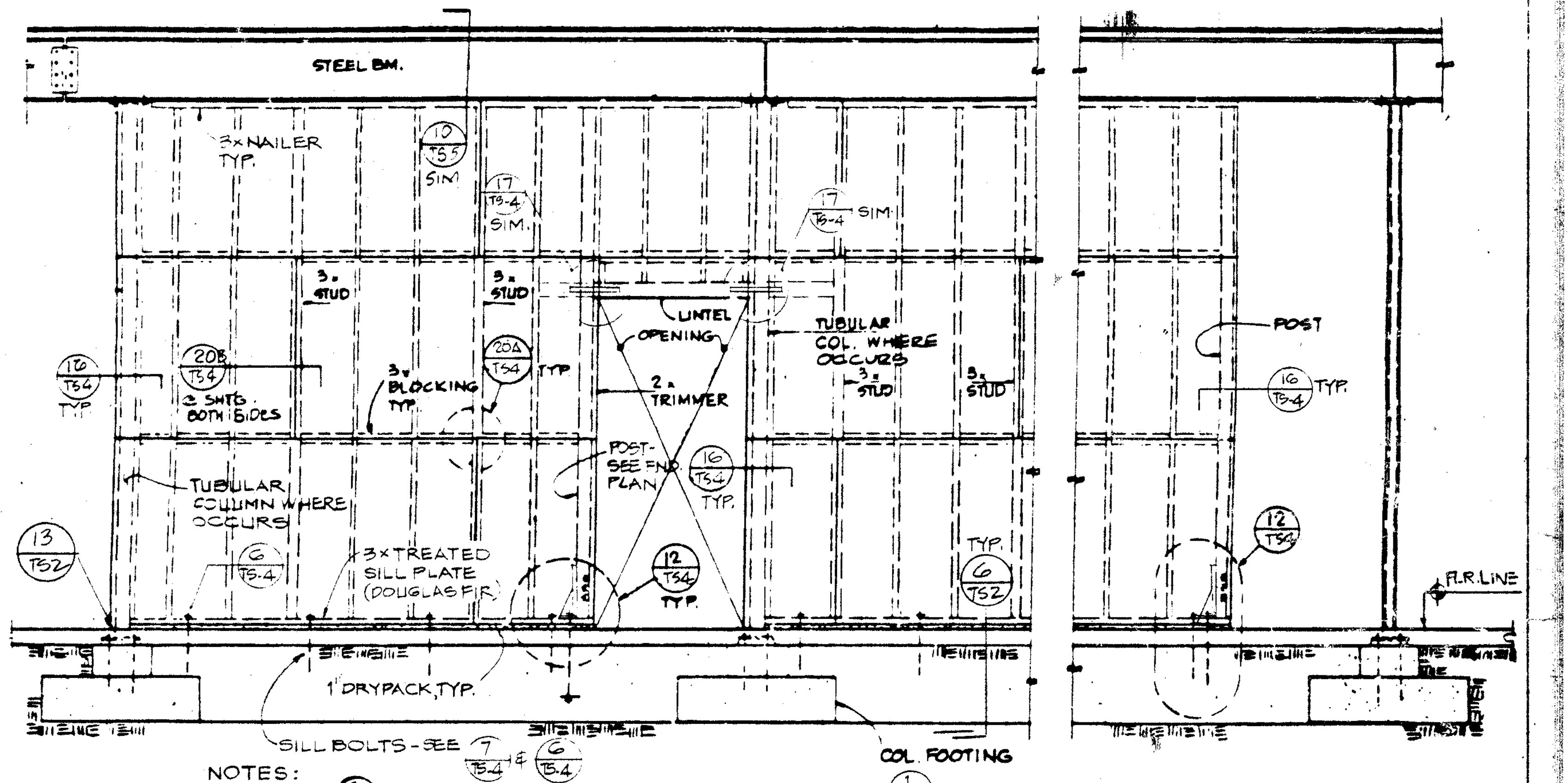
PLYWOOD SHEAR PANEL SCHEDULE 6

SCHEDULE

PANEL MARK	PLYWOOD THICKNESS	NAILING PANEL EDGES		NAILING FIELD	SHEATHING	FOUNDATION SILL BOLTS	CARRIAGE BOLTS @ STEEL BM.		REMARKS
1	3/8"	8d @ 4" o/c		8d @ 12" o/c	1-SIDE	3/4"φ @ 36" o/c	5/8"φ @ 12"		
2	3/8"	8d @ 3" o/c		8d @ 12" o/c	1-SIDE	3/4"φ @ 24" o/c	5/8"φ @ 10"		
3	3/8"	8d @ 3" o/c		8d @ 12" o/c	2-SIDES	3/4"φ @ 16" o/c	5/8"φ @ 4"		
4	3/8"	8d @ 2" o/c		8d @ 12" o/c	1-SIDE	3/4"φ @ 24" o/c	5/8"φ @ 8"		
5	3/8"	8d @ 2" o/c		8d @ 12" o/c	2-SIDES	3/4"φ @ 12" o/c	5/8"φ @ 4"		
6	3/8	8d @ 2" o/c		8d @ 12" o/c	2-SIDES	3/4"φ @ 12" o/c	5/8"φ @ 4"		LET-IN BOTH SIDES
△									
△									

NOTE: SEE 8/TS-4 FOR NOTES & 2/TS-4 & 3/TS-4 FOR TYPICAL ELEVATIONS.

INTERIOR PLYWOOD SHEAR PANEL ELEVATION 2

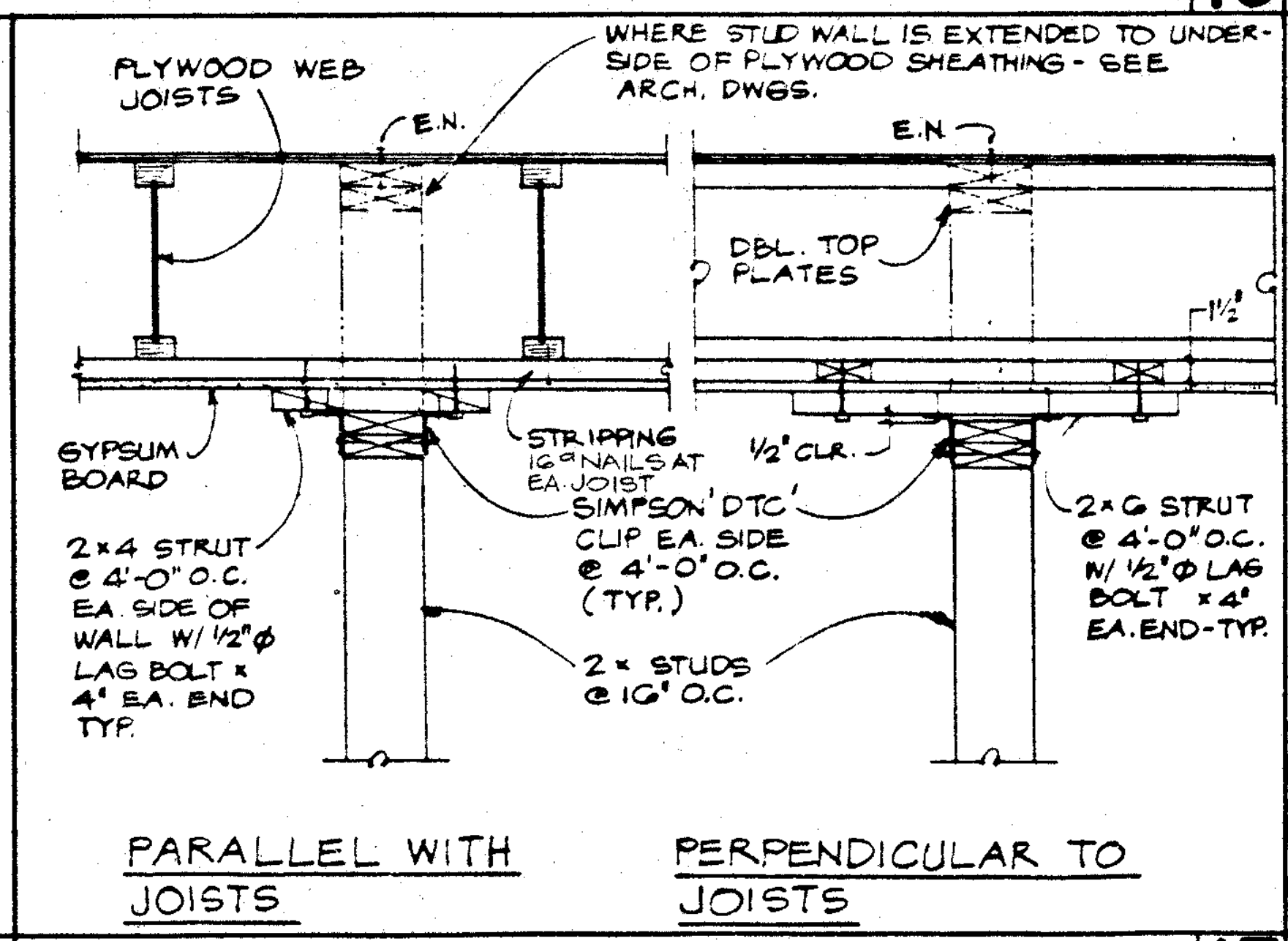

STEEL BM.
3x NAILER TYP.
17/TS4 SIM
17/TS4 SIM.
17/TS4 SIM
3x STUD
3x STUD
20B/TS4
3x SHTG BOTH SIDES
20A/TS4 TYP
3x BLOCKING TYP.
LINTEL OPENING
2x TRIMMER
TUBULAR COL. WHERE OCCURS
3x STUD
3x STUD
POST
16/TS4 TYP.
16/TS4 TYP.
POST-SEE FND PLAN
16/TS4
TUBULAR COLUMN WHERE OCCURS
3x TREATED SILL PLATE (DOUGLAS FIR)
12/TS4 TYP.
13/TS2
6/TS2 TYP.
12/TS4
FLR LINE
1" DRYPACK TYP.
SILL BOLTS - SEE 7/TS4 & 6/TS4
COL FOOTING

NOTES:
1. SEE 1/TS-4 FOR OTHER DETAILS.
2. SEE 8/TS-4 FOR TYPICAL SHEAR PANEL NOTES

SEE 1/TS-4 FOR OTHER DETAILS.

19

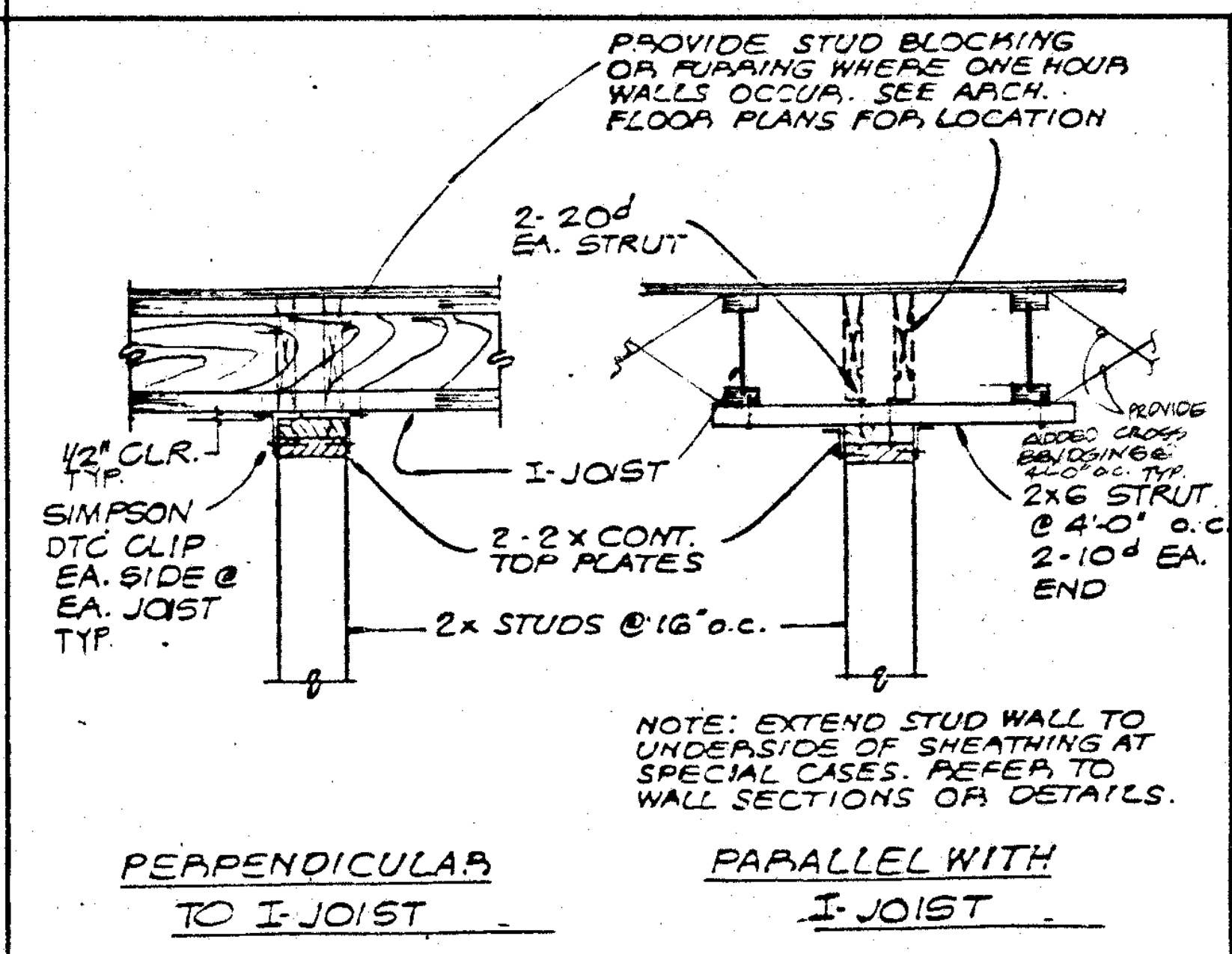
PARTITION ANCHORAGE 15


PLYWOOD WEB JOISTS
E.N.
WHERE STUD WALL IS EXTENDED TO UNDERSIDE OF PLYWOOD SHEATHING - SEE ARCH. DWGS.
E.N.
DBL. TOP PLATES
1 1/2" CLR.
GYPSUM BOARD
STRIPPING 16d NAILS AT EA. JOIST
1/2" CLR.
SIMPSON DTC CLIP EA. SIDE @ 4'-0" O.C. (TYP.)
2x4 STRUT @ 4'-0" O.C. EA. SIDE OF WALL W/ 1/2"φ LAG BOLT x 4" EA. END TYP.
2x STUDS @ 16" O.C.
2x6 STRUT @ 4'-0" O.C. W/ 1/2"φ LAG BOLT x 4" EA. END-TYP.

PARALLEL WITH JOISTS

PERPENDICULAR TO JOISTS

PARTITION ANCHORAGE 10

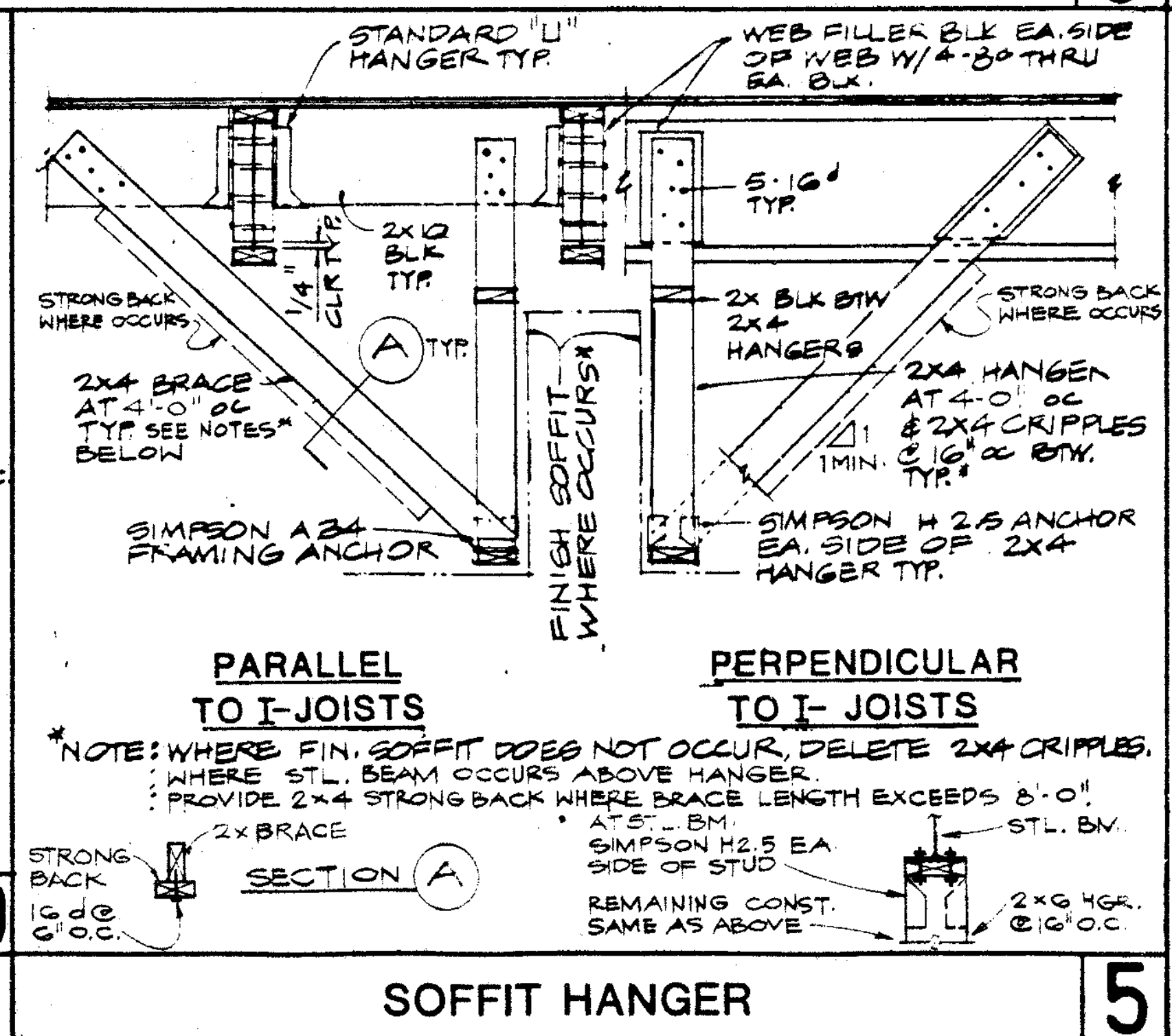

PROVIDE STUD BLOCKING OR FURRING WHERE ONE HOUR WALLS OCCUR. SEE ARCH. FLOOR PLANS FOR LOCATION
2-20d EA. STRUT
1/2" CLR. TYP.
SIMPSON DTC CLIP EA. SIDE @ EA. JOIST TYP.
I-JOIST
2-2x CONT. TOP PLATES
2x STUDS @ 16" o.c.
2x6 STRUT @ 4'-0" o.c. 2-10d EA. END

NOTE: EXTEND STUD WALL TO UNDERSIDE OF SHEATHING AT SPECIAL CASES. REFER TO WALL SECTIONS OR DETAILS.

PERPENDICULAR TO I-JOIST

PARALLEL WITH I-JOIST

SOFFIT HANGER 5


STANDARD "U" HANGER TYP.
WEB FILLER BLK EA. SIDE OF WEB W/ 4-8d THRU EA. BLK.
5-16d TYP.
STRONG BACK WHERE OCCURS
2x10 BLK TYP.
2x BLK BTW 2x4 HANGERS
STRONG BACK WHERE OCCURS
(A)
2x4 BRACE AT 4'-0" oc TYP. SEE NOTES* BELOW
FINISH SOFFIT WHERE OCCURS
2x4 HANGER AT 4'-0" o.c. & 2x4 CRIPPLES @ 16" O.C. TYP.
1 MIN.
SIMPSON A34 FRAMING ANCHOR
SIMPSON H2.5 ANCHOR EA. SIDE OF 2x4 HANGER TYP.
STRONG BACK
16d @ 6" O.C.
2x BRACE
STL. BM.
2x6 HGR. @ 16" O.C.

PARALLEL TO I-JOISTS

PERPENDICULAR TO I-JOISTS

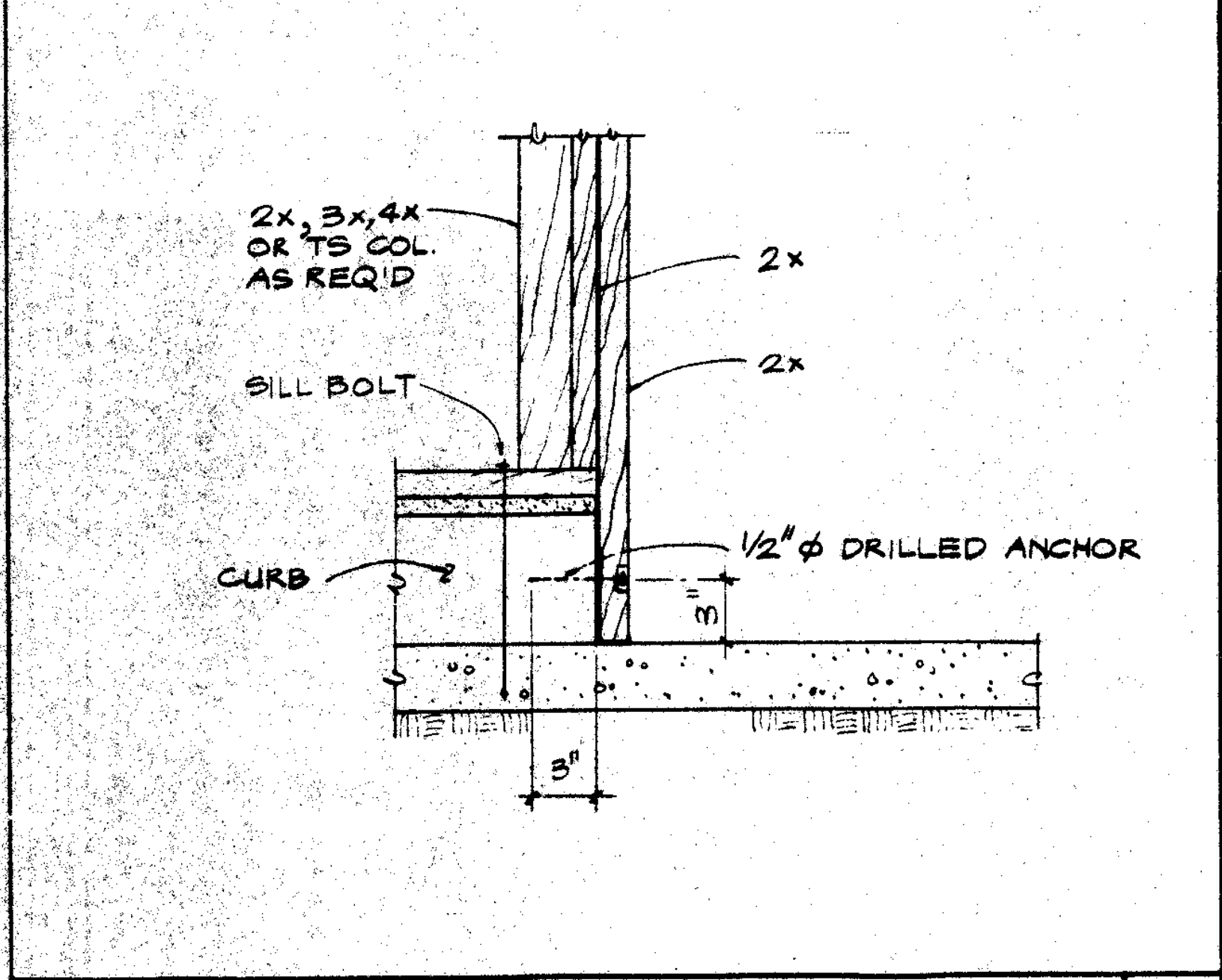
*NOTE: WHERE FIN. SOFFIT DOES NOT OCCUR, DELETE 2x4 CRIPPLES. WHERE STL. BEAM OCCURS ABOVE HANGER, PROVIDE 2x4 STRONG BACK WHERE BRACE LENGTH EXCEEDS 6'-0".

SECTION (A)

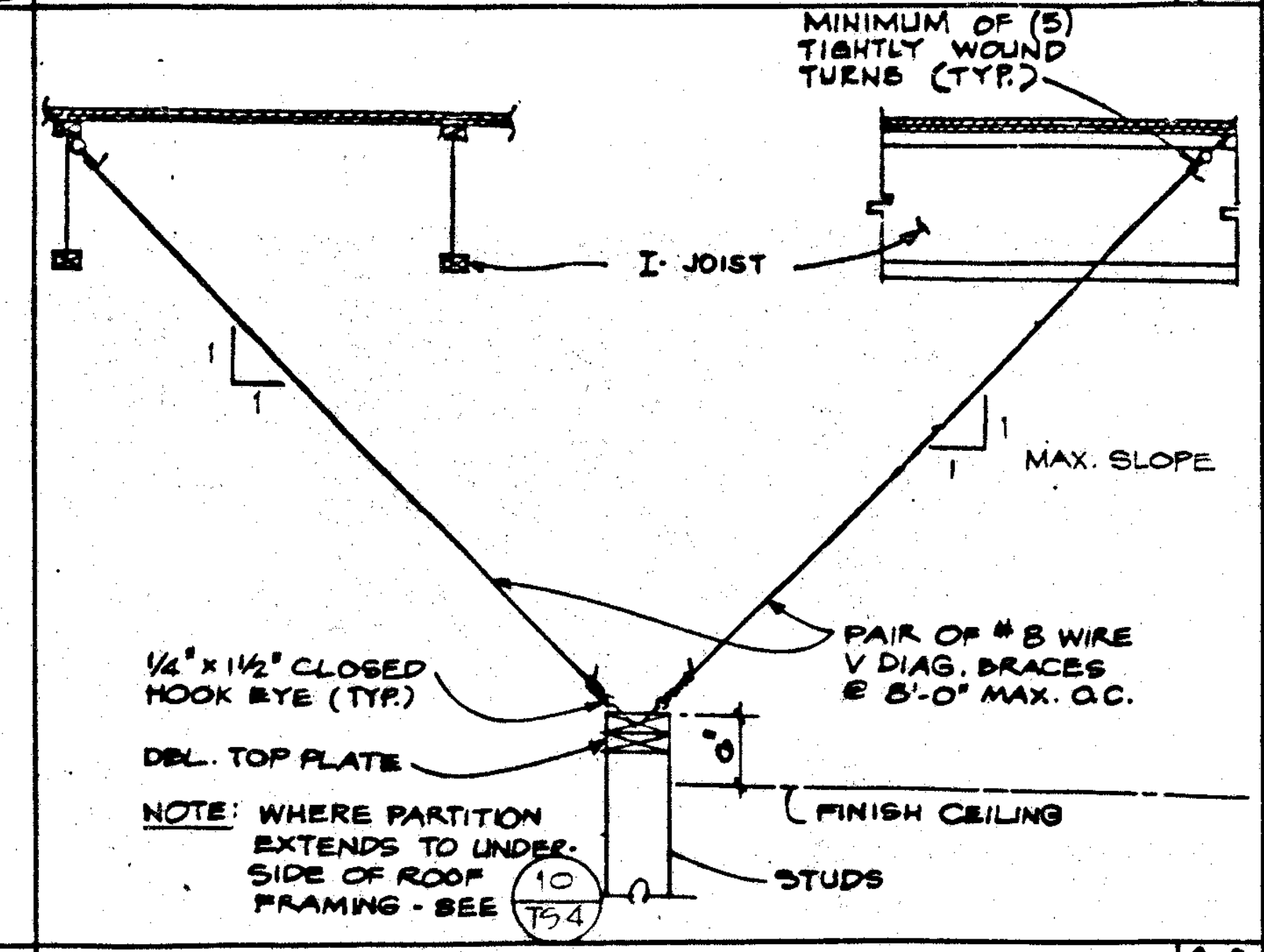
• AT STL. BM. SIMPSON H2.5 EA SIDE OF STUD

REMAINING CONST. SAME AS ABOVE

WOOD TRIMMER AT DOOR OPENING 18

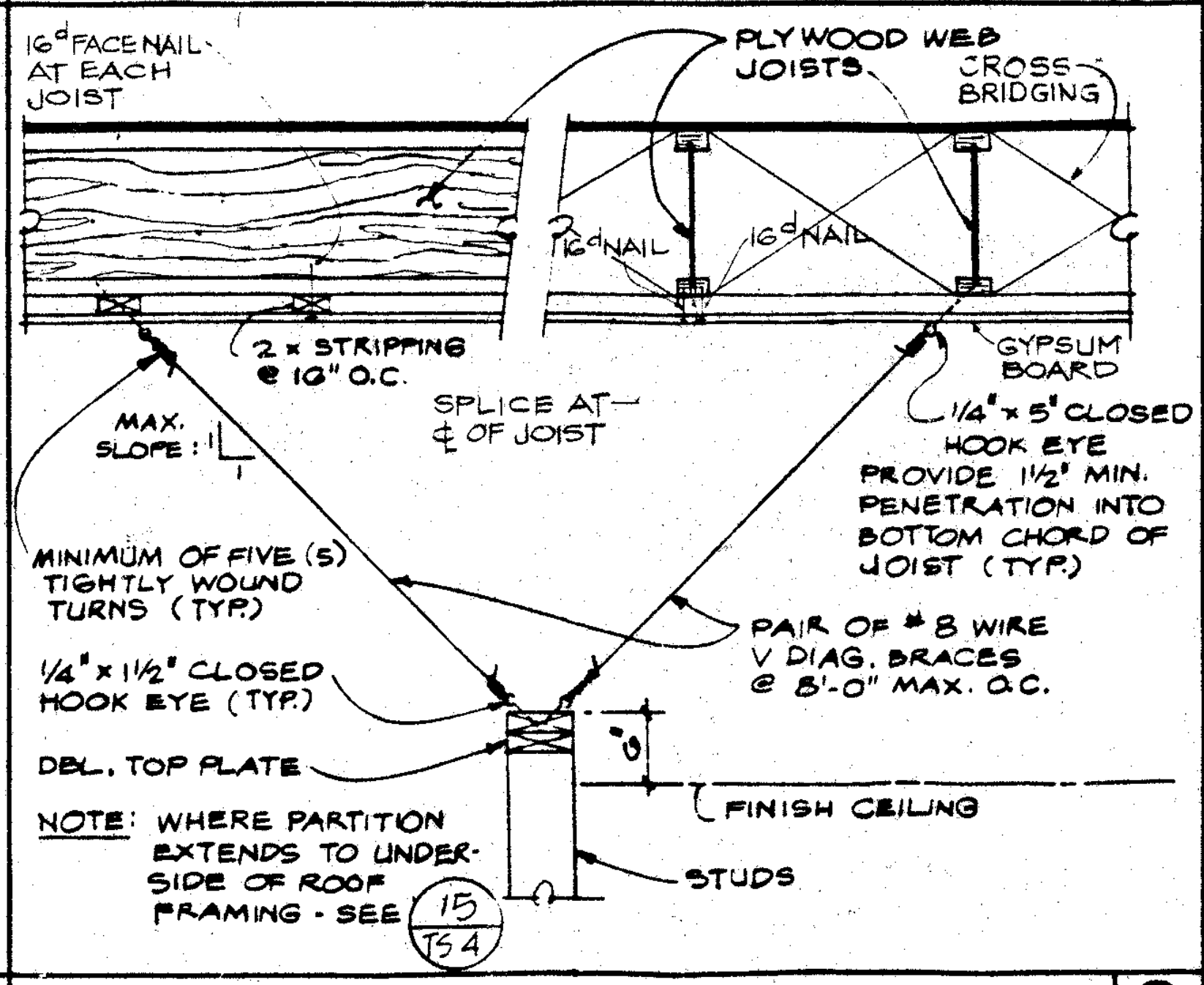

2x, 3x, 4x OR TS COL. AS REQ'D
2x
2x
SILL BOLT
CURB
1/2"φ DRILLED ANCHOR
3"

PARTITION ANCHORAGE 14


MINIMUM OF (5) TIGHTLY WOUND TURNS (TYP.)
I-JOIST
1
1
MAX. SLOPE
1/4"x1 1/2" CLOSED HOOK EYE (TYP.)
PAIR OF #8 WIRE V DIAG. BRACES @ 8'-0" MAX. O.C.
DBL. TOP PLATE
FINISH CEILING
STUDS

NOTE: WHERE PARTITION EXTENDS TO UNDERSIDE OF ROOF FRAMING - SEE 10/TS4

PARTITION ANCHORAGE 9

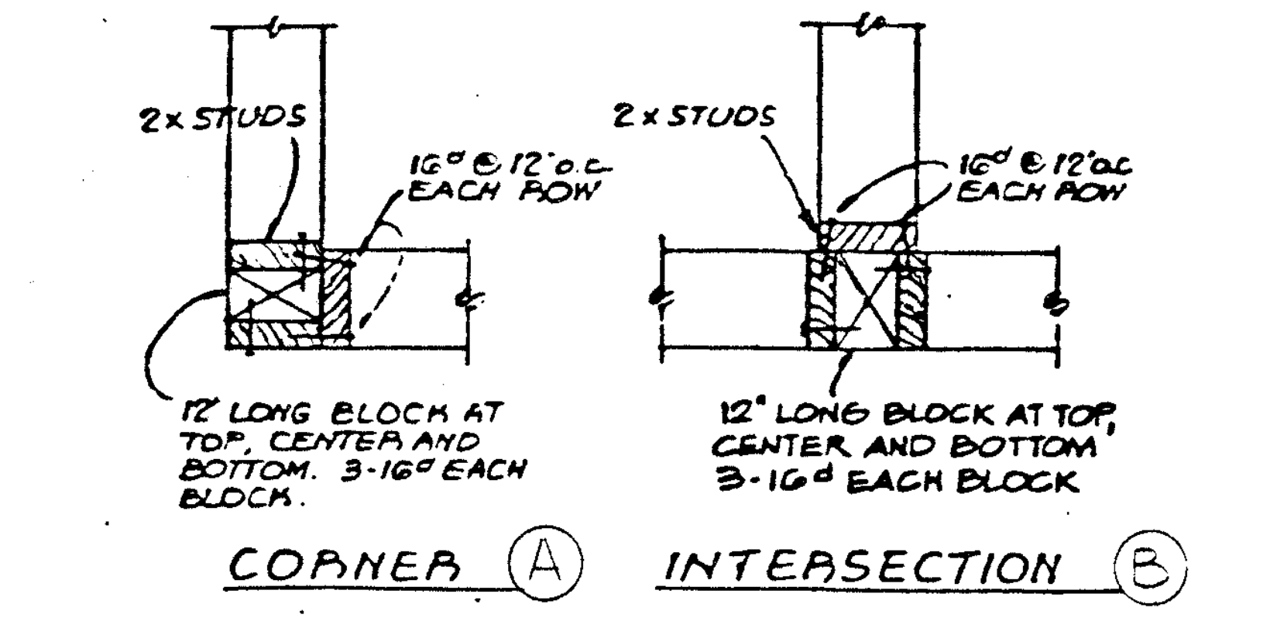

16d FACENAIL AT EACH JOIST
PLYWOOD WEB JOISTS
CROSS-BRIDGING
16d NAIL
16d NAIL
2x STRIPPING @ 16" O.C.
SPLICE AT ℄ OF JOIST
GYPSUM BOARD
1/4"x5" CLOSED HOOK EYE PROVIDE 1 1/2" MIN. PENETRATION INTO BOTTOM CHORD OF JOIST (TYP.)
MAX. SLOPE
1
MINIMUM OF FIVE (5) TIGHTLY WOUND TURNS (TYP.)
1/4"x1 1/2" CLOSED HOOK EYE (TYP.)
PAIR OF #8 WIRE V DIAG. BRACES @ 8'-0" MAX. O.C.
DBL. TOP PLATE
FINISH CEILING
STUDS

NOTE: WHERE PARTITION EXTENDS TO UNDERSIDE OF ROOF FRAMING - SEE 15/TS4

LINTEL SCHEDULE 4

LINTEL			
MAXIMUM ROUGH OPENING	10" STUD	4" STUD	6' STUD
UP TO 4'-0"	4x10 FLAT	4x4	4x6 FLAT
4'-1" TO 6'-0"	6x10 FLAT	4x6	6x6
6'-1" TO 8'-0"	8x10 FLAT	4x8	6x8
8'-1" TO 10'-0"	10x10	4x10	6x10
OVER 10'-0" AND SPECIAL CASES	SEE PLANS AND/OR ELEVATIONS		

STUD WALL CONSTRUCTION 1


2x STUDS
16d @ 12" o.c. EACH ROW
2x STUDS
16d @ 12" o.c. EACH ROW

12" LONG BLOCK AT TOP, CENTER AND BOTTOM. 3-16d EACH BLOCK.

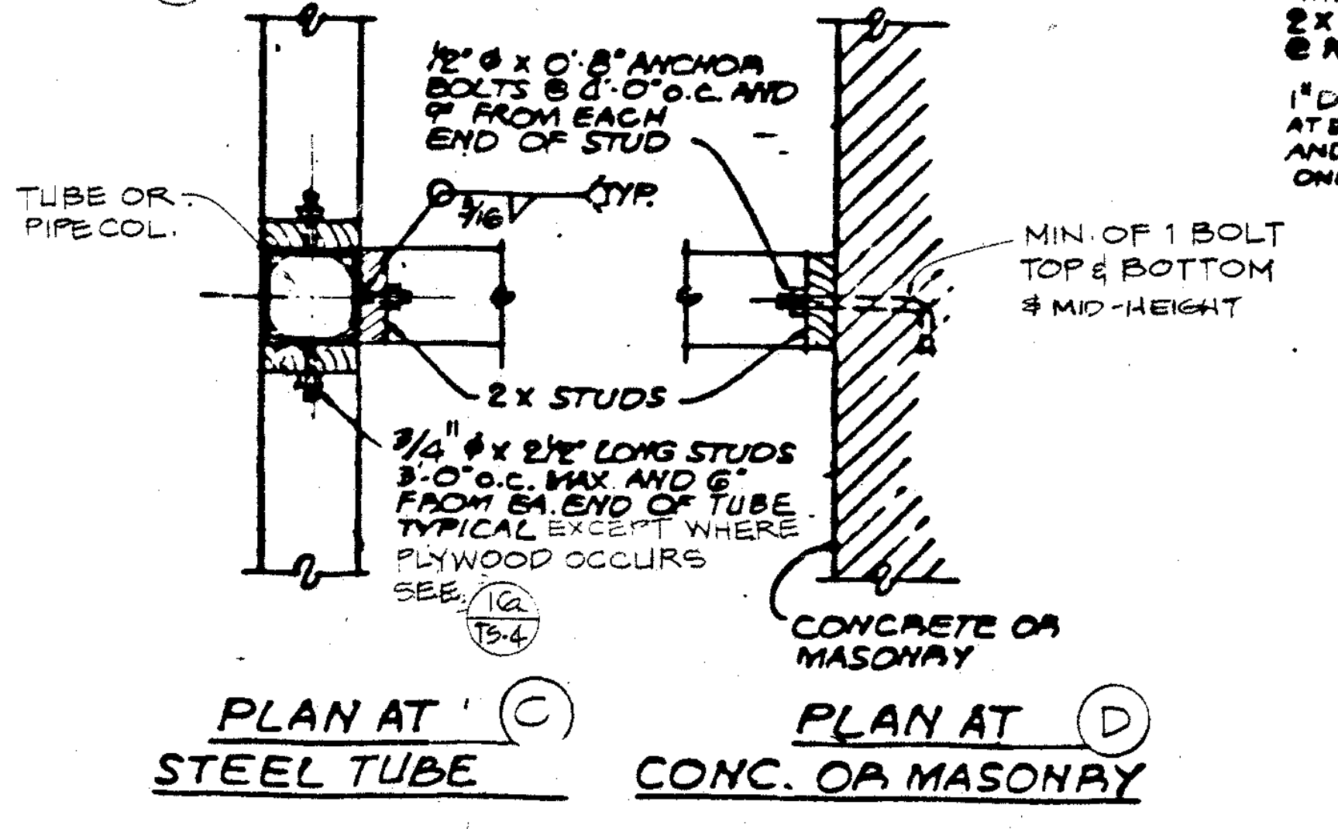
12" LONG BLOCK AT TOP, CENTER AND BOTTOM 3-16d EACH BLOCK

CORNER (A)

INTERSECTION (B)

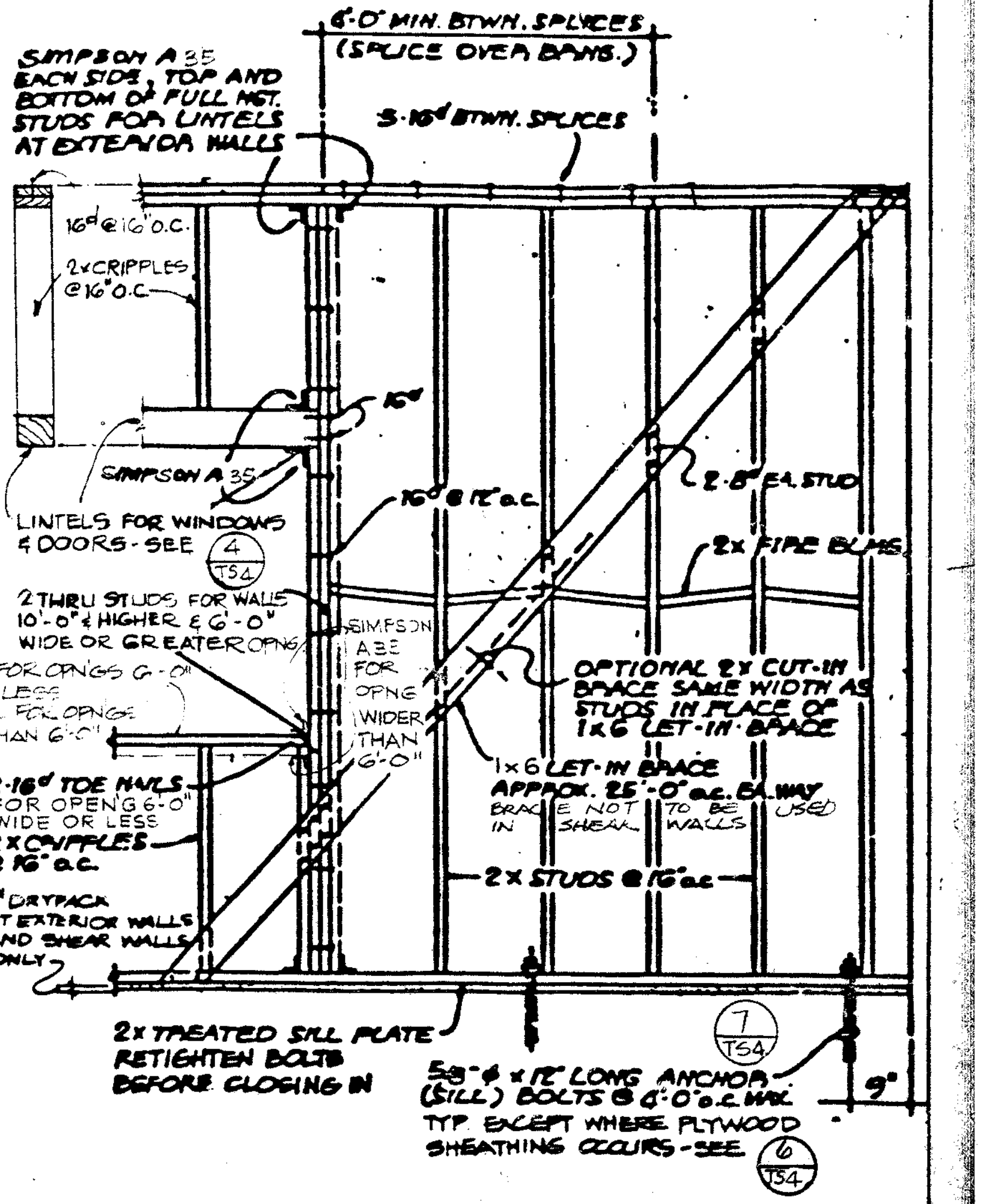
NOTES:

1. PROVIDE FURRING OR BACKING OF THICKNESS AS REQUIRED TO MAINTAIN A COMMON WALL PLANE AT ALL WOOD STUD WALL SURFACE WHICH ARE ONLY PARTIALLY SHEATHED WITH STRUCTURAL PLYWOOD.
2. COORDINATE AND ADJUST HEAD JAMB AND SILL DETAILS AS REQUIRED FOR PROPER OVERALL WALL THICKNESS.
3. FOR TYPICAL PLYWOOD SHEAR PANEL ELEVATIONS SEE 2/TS4 & 3/TS4
4. SEE 24/TS-3 FOR TYPICAL NAILING SCHEDULE


1/2"φ x 0'-8" ANCHOR BOLTS @ 4'-0" o.c. AND 9" FROM EACH END OF STUD
TUBE OR PIPE COL.
3/16
TYP.
MIN. OF 1 BOLT TOP & BOTTOM & MID-HEIGHT
2x STUDS
3/8"φ x 2 1/2" LONG STUDS @ 3'-0" o.c. MAX AND 6" FROM EA. END OF TUBE TYPICAL EXCEPT WHERE PLYWOOD OCCURS SEE 16/TS4
CONCRETE OR MASONRY

PLAN AT (C) STEEL TUBE

PLAN AT (D) CONC. OR MASONRY


6'-0" MIN BTWN. SPLICES (SPLICE OVER BRNS.)
SIMPSON A35 EACH SIDE, TOP AND BOTTOM OF FULL HGT. STUDS FOR LINTELS AT EXTERIOR WALLS
3-16d BTWN. SPLICES
16d @ 16" o.c.
2x CRIPPLES @ 16" o.c.
16d
SIMPSON A35
16d @ 12" o.c.
2-8d EA. STUD
2x FIRE BLKS.
LINTELS FOR WINDOWS & DOORS - SEE 4
2 THRU STUDS FOR WALLS 10'-0" & HIGHER & 6'-0" WIDE OR GREATER
SIMPSON A35 FOR OPNG WIDER THAN 6'-0"
1-2x SILL FOR OPNG'S 6'-0" WIDE OR LESS
2-2x SILL FOR OPNGS GREATER THAN 6'-0"
OPTIONAL 2x CUT-IN BRACE SAME WIDTH AS STUDS IN PLACE OF 1x6 LET-IN BRACE
1x6 LET-IN BRACE APPROX. 45°-60° BRACE NOT TO BE USED IN SHEAR WALLS
2-16d TOE NAILS FOR OPENG 6'-0" WIDE OR LESS
2x CRIPPLES @ 16" o.c.
1" DRYPACK AT EXTERIOR WALLS AND SHEAR WALLS ONLY
2x STUDS @ 16" o.c.
2x TREATED SILL PLATE RETIGHTEN BOLTS BEFORE CLOSING IN
5/8"φ x 12" LONG ANCHOR (SILL) BOLTS @ 4'-0" o.c. MAX. TYP. EXCEPT WHERE PLYWOOD SHEATHING OCCURS - SEE 6/TS4
7/TS4
9"

OPTIONAL SILL PLATE ANCHORAGE

SILL PLATES MAY BE ANCHORED BY USE OF 0.145"φ POWDER DRIVEN PINS @ 32" O.C. WITH A MINIMUM PENETRATION OF 1 1/2" INTO CONCRETE. OPTIONAL ANCHORS SHALL NOT BE USED IN CURBS, ADJACENT TO DEPRESSED SLABS, EXTERIOR WALLS OR SHEAR WALLS.

OFFICE OF THE STATE ARCHITECT
A 49 2[illegible] JUN [illegible] 1988
PRINCIPAL STRUCTURAL ENGINEER

Drawn By MN
Checked By SRU
Date MAR 1988
Commission No 1.30.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers
Mamoru E. Kanda

MAMORU E. KANDA No. 956 EXP. 12-31-88

Architects Planners
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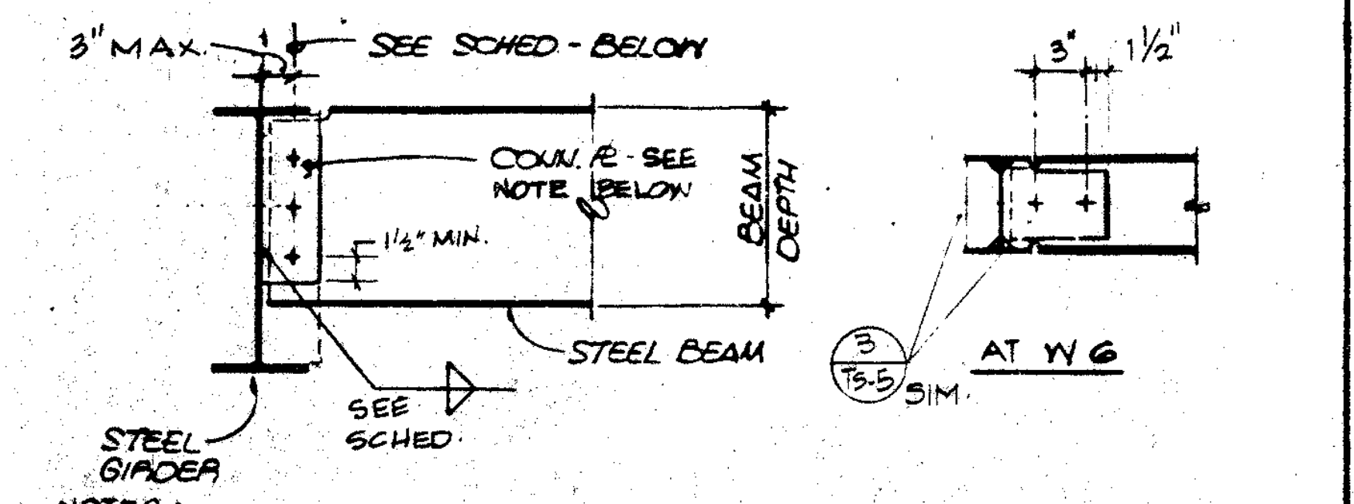
ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

TYPICAL WOOD FRAMING DETAILS

Sheet Number
TS-4
Of Sheets

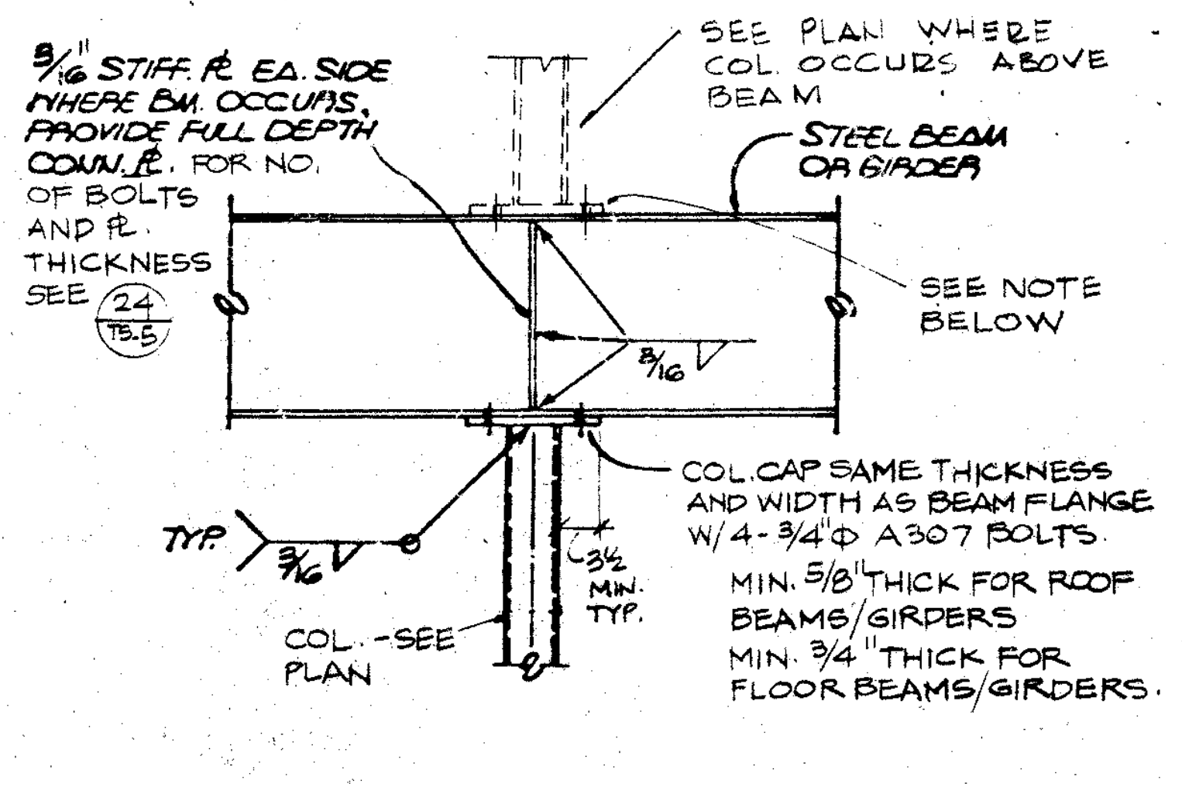

3" MAX.
SEE SCHED - BELOW
COUN. ℞ - SEE NOTE BELOW
1½" MIN.
BEAM DEPTH
STEEL BEAM
SEE SCHED.
STEEL GIRDER
3"
1½"
3/TS-5 SIM.
AT W 6

NOTES:

- PROVIDE CONNECTION ℞ OF THICKNESS EQUAL TO OR GREATER THAN BEAM WEB THICKNESS
- ¼" THICK MINIMUM
- PROVIDE ℞ THICKNESS IN INCREMENTS OF ⅛"
- WHERE SKEWED ℞ CONN OCCURS - SEE 23/TS5

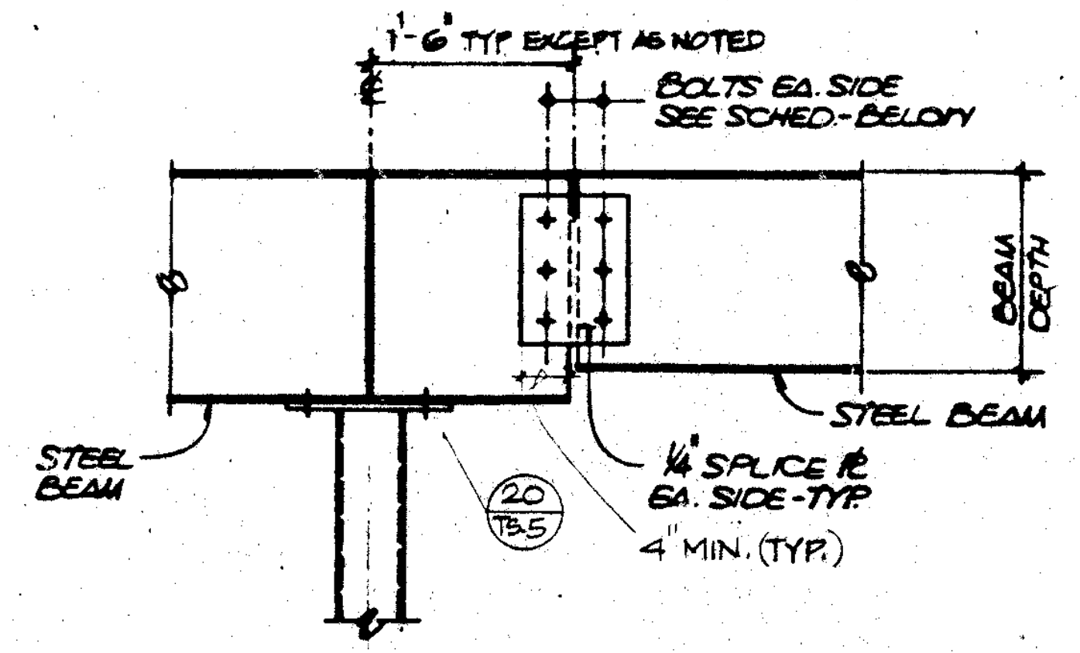
BM. SIZE	NO. & SIZE OF BOLTS	TYPE OF BOLTS	WELD SIZE
W8	2-¾"ϕ	A307	¼
W10	2-⅞"ϕ	A307	¼
W12	3-⅞"ϕ	A307	¼
W14	4-⅞"ϕ	A307	¼
W16	4-⅞"ϕ	A307	¼
W18	5-⅞"ϕ	A307	5/16
W21	6-⅞"ϕ	A307	5/16
W24	7-⅞"ϕ	A307	5/16
W6	2-¾"ϕ	A307	1/4

BM./GIRDER CONN. 24


3/16 STIFF. ℞ EA. SIDE WHERE BM. OCCURS, PROVIDE FULL DEPTH CONN. ℞ FOR NO. OF BOLTS AND ℞ THICKNESS SEE 24/TS-5
SEE PLAN WHERE COL. OCCURS ABOVE BEAM
STEEL BEAM OR GIRDER
SEE NOTE BELOW
TYP.
3/16
COL. - SEE PLAN
3/16 MIN. TYP.
COL. CAP SAME THICKNESS AND WIDTH AS BEAM FLANGE W/4-¾"ϕ A307 BOLTS.
MIN. ⅝" THICK FOR ROOF BEAMS/GIRDERS
MIN. ¾" THICK FOR FLOOR BEAMS/GIRDERS.

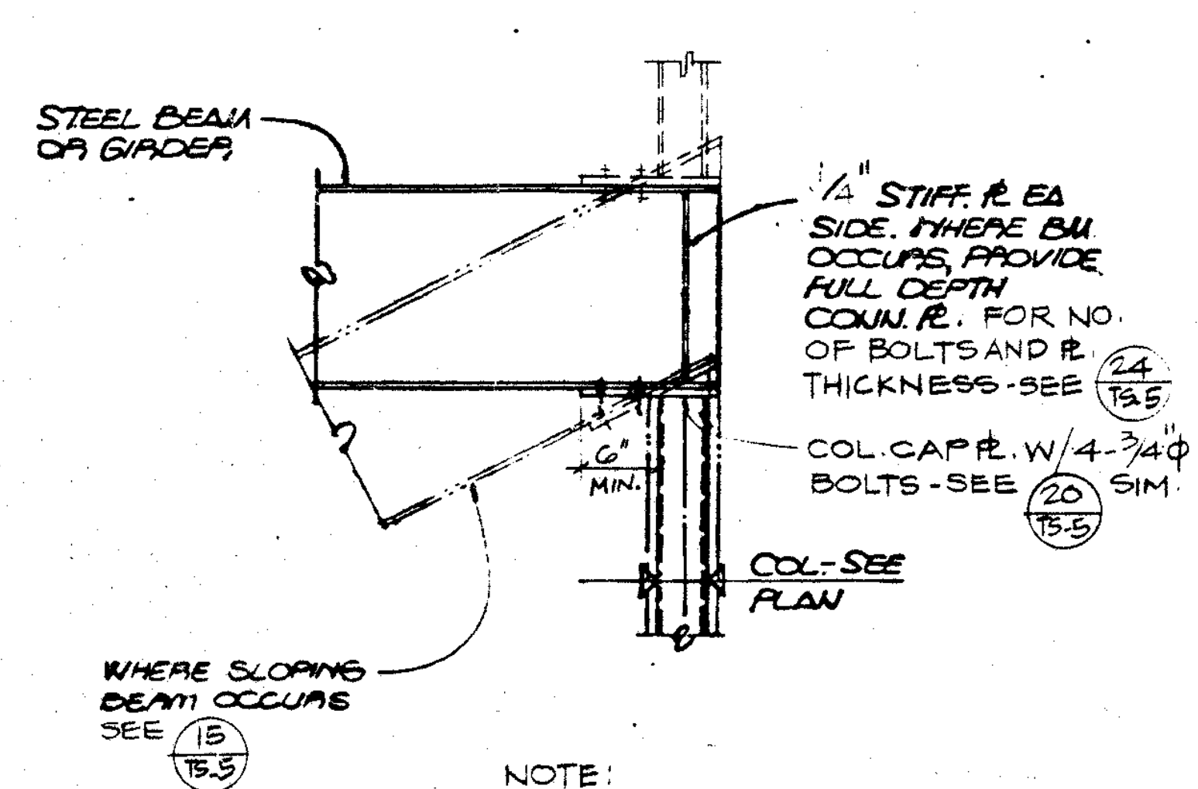
NOTE: WHERE COLUMN WIDTH EQUALS OR EXCEEDS BEAM FLANGE WIDTH, PROVIDE COL. CAP ℞ 1" LARGER THAN COLUMN WIDTH

BM./COL. CONN. 20


1'-6" TYP. EXCEPT AS NOTED
BOLTS EA. SIDE SEE SCHED.-BELOW
BEAM DEPTH
STEEL BEAM
STEEL BEAM
20/TS5
¼" SPLICE ℞ EA. SIDE-TYP.
4" MIN. (TYP.)

BEAM SIZE	NO. & SIZE OF BOLTS EA. SIDE	TYPE OF BOLTS
W8	2-¾"ϕ	A307
W10 & W12	3-⅞"ϕ	A307
W14 & W16	4-⅞"ϕ	A307
W18	5-⅞"ϕ	A307

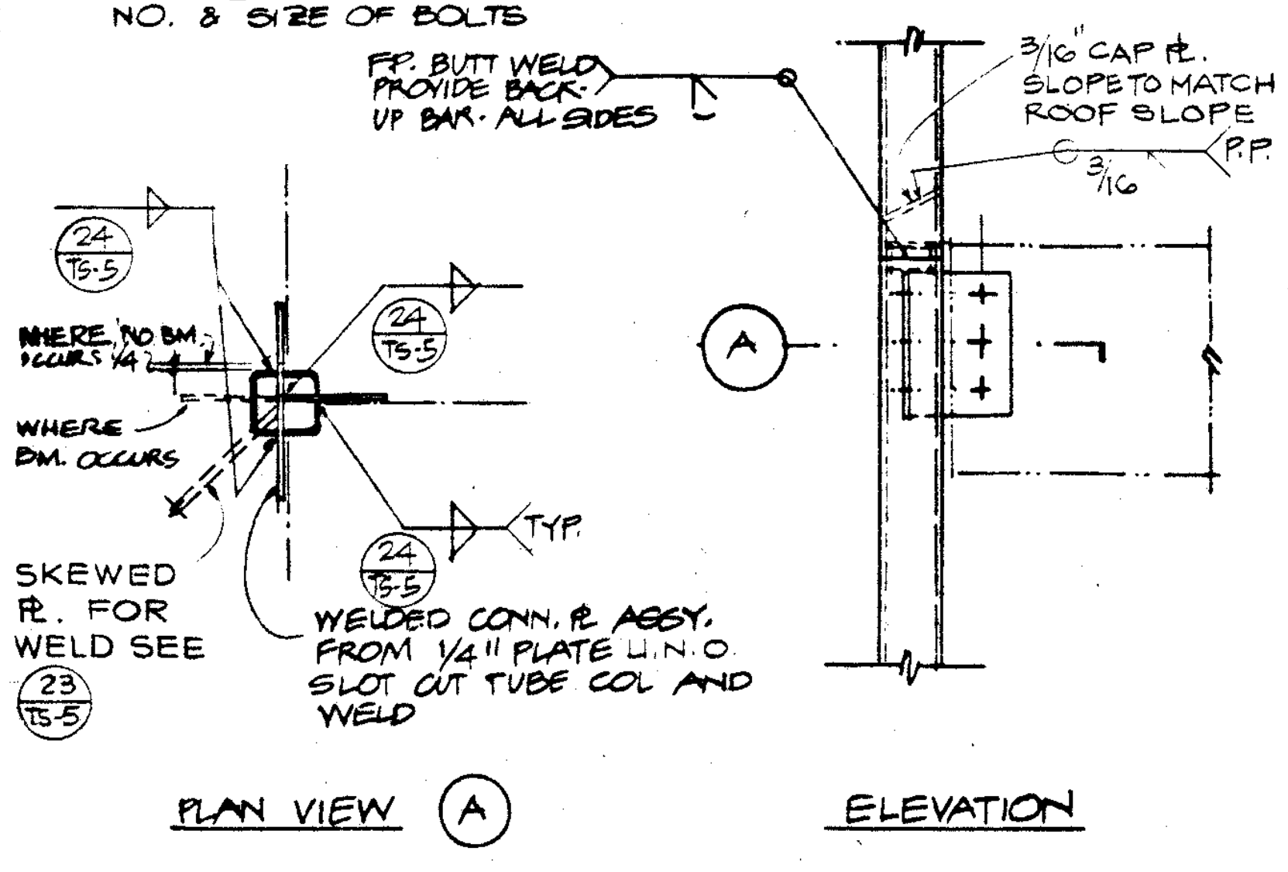
BM. SPLICE DETAIL 16


STEEL BEAM OR GIRDER
¼" STIFF. ℞ EA. SIDE, WHERE BM. OCCURS, PROVIDE FULL DEPTH CONN. ℞ FOR NO. OF BOLTS AND ℞ THICKNESS - SEE 24/TS5
6" MIN.
COL. CAP ℞ W/4-¾"ϕ BOLTS - SEE 20/TS5 SIM.
COL. - SEE PLAN
WHERE SLOPING BEAM OCCURS SEE 15/TS5

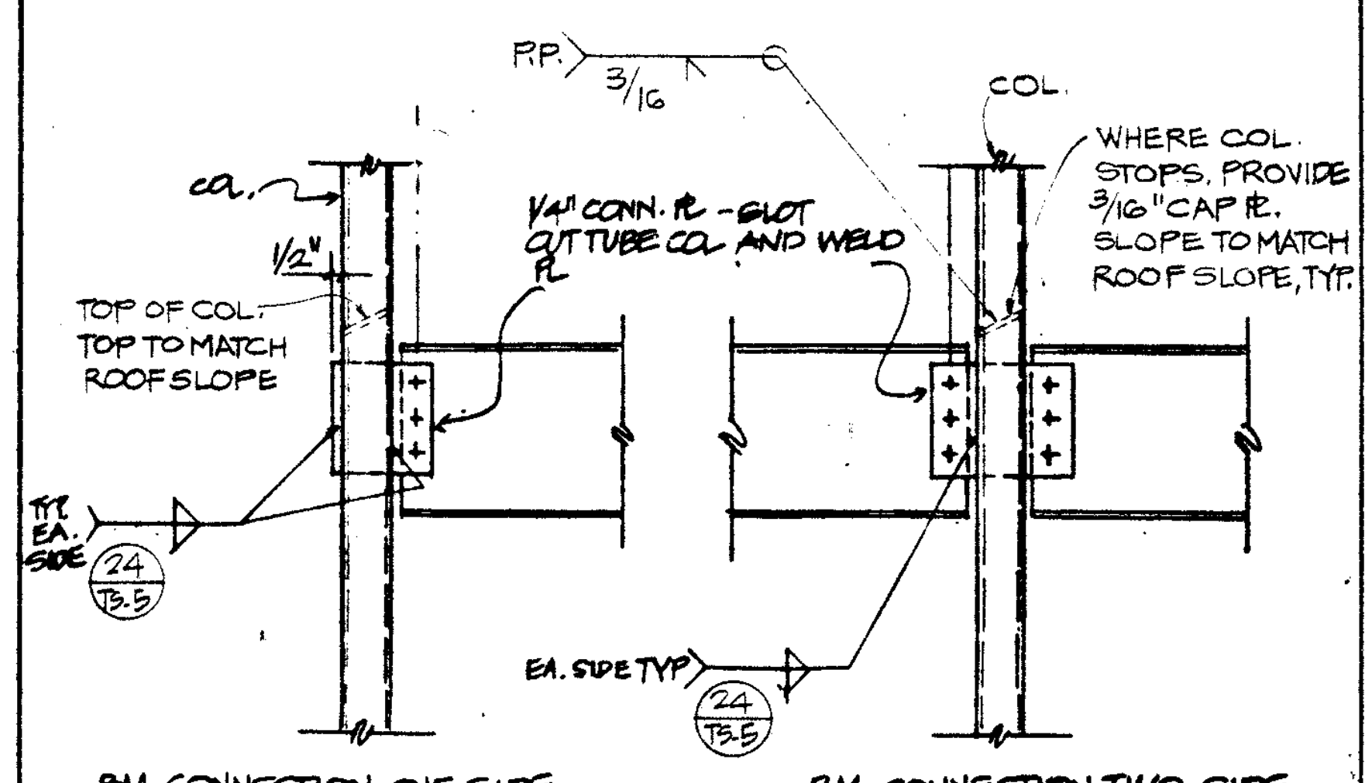
NOTE: SEE 20/TS5 FOR OTHER DETAILS

BM./END COL. CONN. 12

NOTE: SEE 24/TS5 FOR GUSSET ℞ WELD NO. & SIZE OF BOLTS

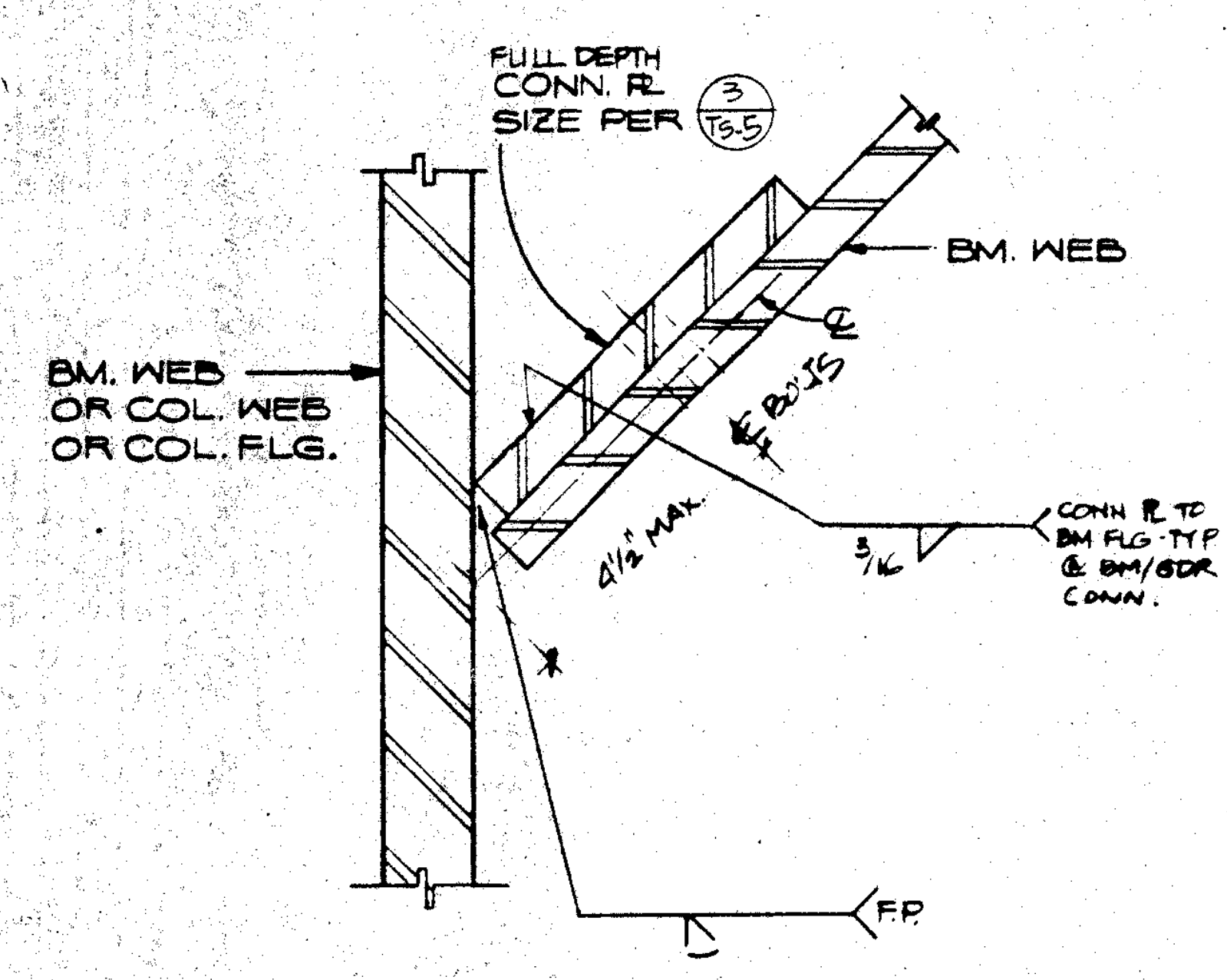

F.P. BUTT WELD, PROVIDE BACK-UP BAR - ALL SIDES
3/16" CAP ℞ SLOPE TO MATCH ROOF SLOPE
F.P.
3/16
24/TS5
WHERE NO BM. OCCURS
WHERE BM. OCCURS
TYP.
SKEWED ℞ - FOR WELD SEE 23/TS5
WELDED CONN. ℞ ASSY. FROM ¼" PLATE U.N.O. SLOT CUT TUBE COL. AND WELD
A
PLAN VIEW A
ELEVATION

BM./COL. CONN. 8

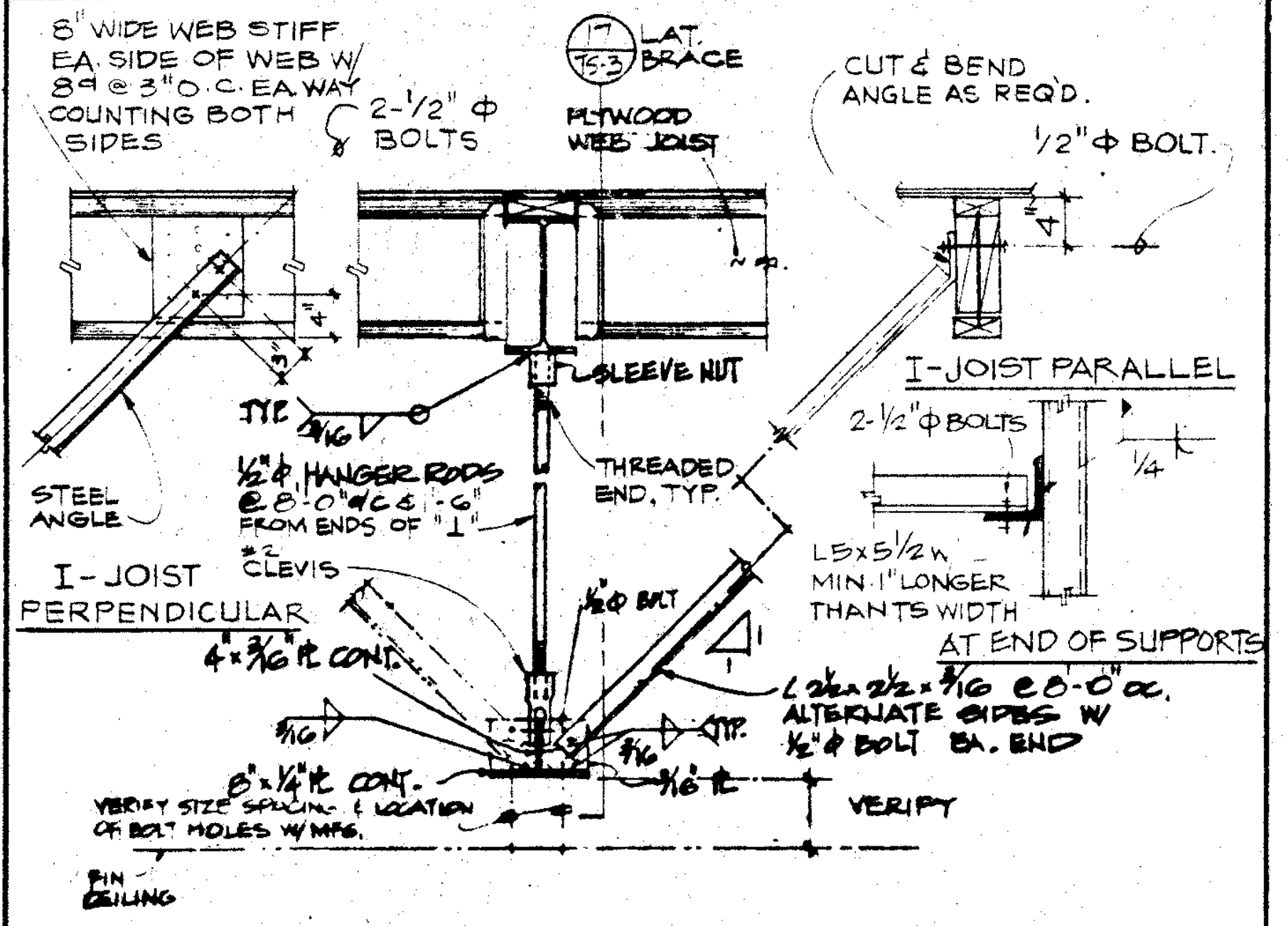

F.P.
3/16
COL.
WHERE COL. STOPS, PROVIDE 3/16" CAP ℞ SLOPE TO MATCH ROOF SLOPE, TYP.
COL.
½"
¼" CONN. ℞ - SLOT CUT TUBE COL. AND WELD
TOP OF COL. TOP TO MATCH ROOF SLOPE
TYP. EA. SIDE
24/TS5
EA. SIDE TYP.
24/TS5
BM. CONNECTION ONE SIDE
BM. CONNECTION TWO SIDE

NOTE: SEE 24/TS5 FOR GUSSET ℞ WELD, NO. & SIZE OF BOLTS - TYP.

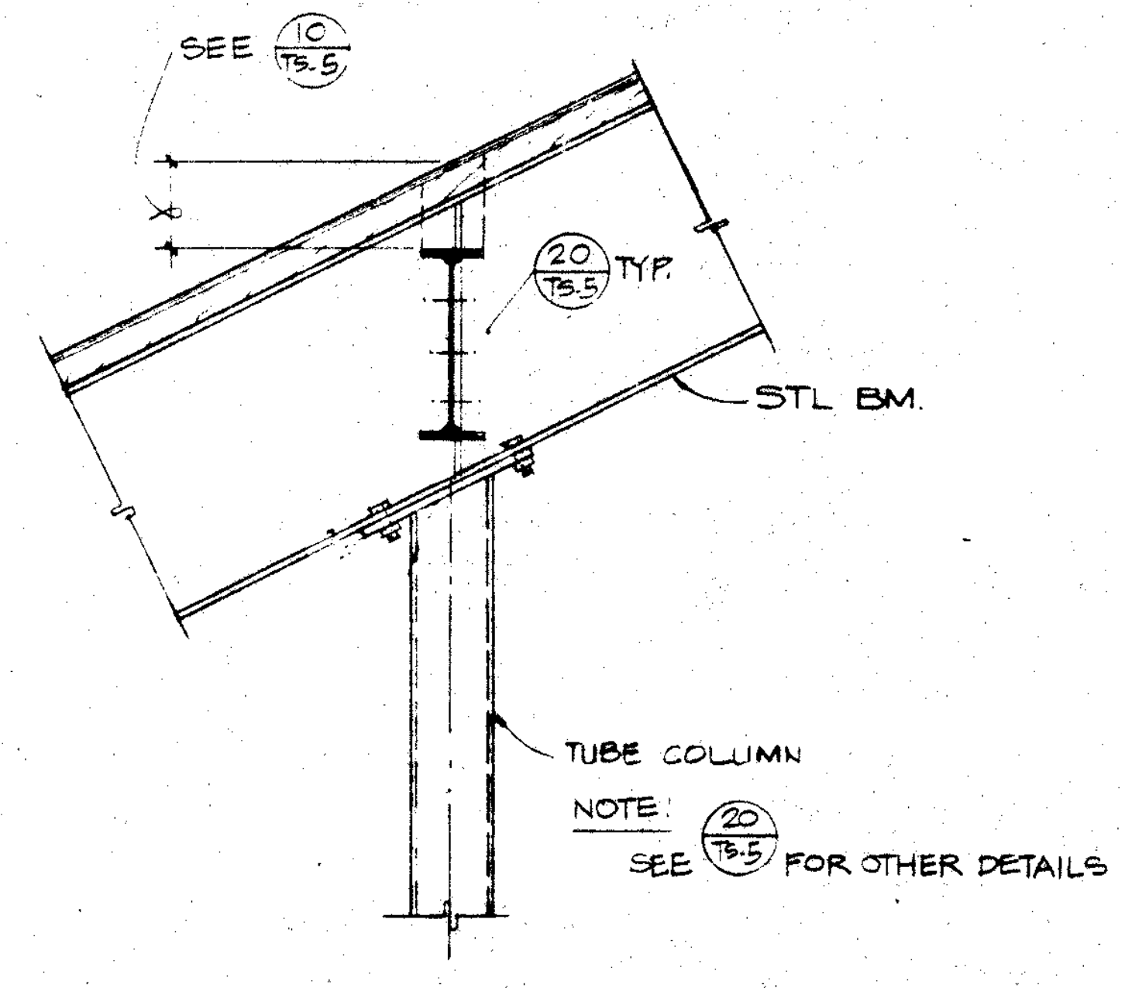
BM./COL. CONN. 4


FULL DEPTH CONN. ℞ SIZE PER 3/TS5
BM. WEB
BM. WEB OR COL. WEB OR COL. FLG.
4½ MAX.
CONN ℞ TO BM FLG. TYP. @ BM/GIR CONN.
3/16
F.P.

SKEWED BEAM OR GIRDER CONN. 23

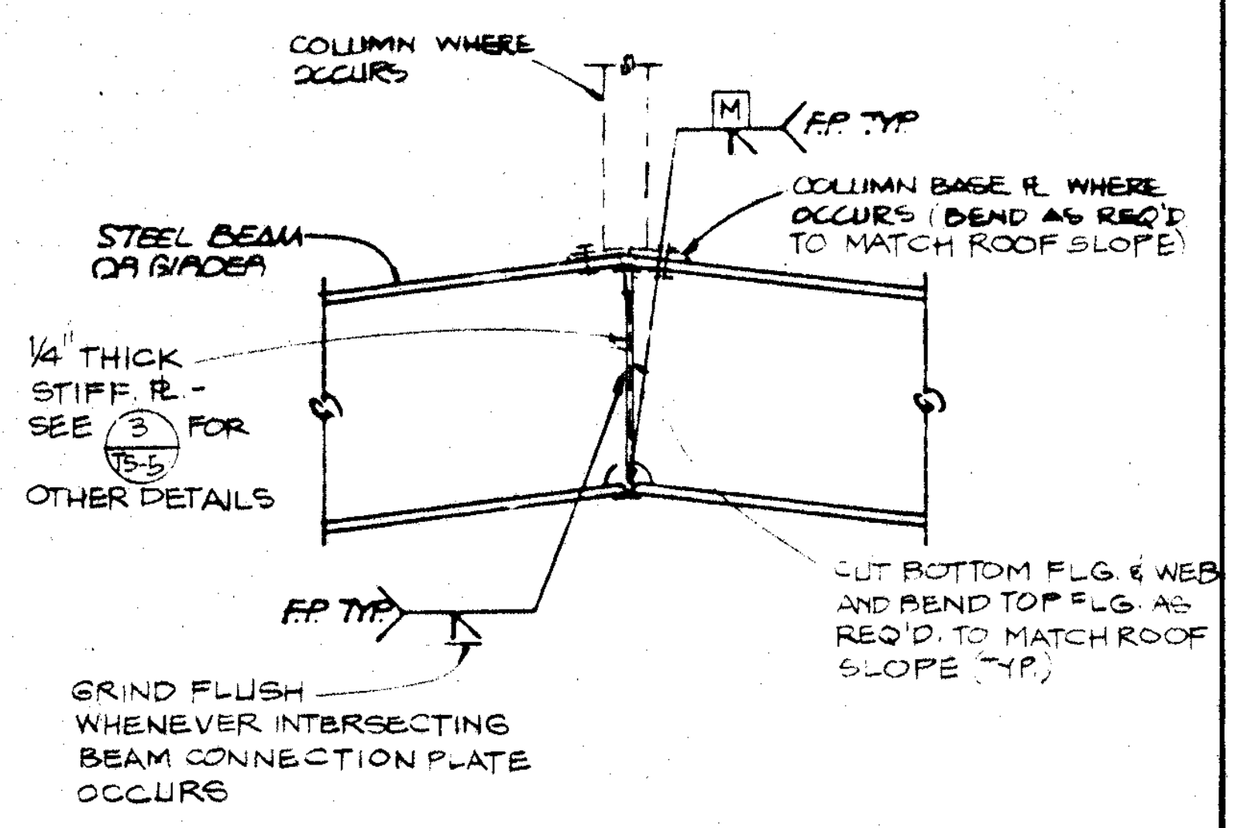

8" WIDE WEB STIFF EA. SIDE OF WEB W/ 8@ 3" O.C. EA. WAY COUNTING BOTH SIDES
2-½" ϕ BOLTS
17/TS5 LAT. BRACE
PLYWOOD WEB JOIST
CUT & BEND ANGLE AS REQ'D.
½" ϕ BOLT.
TYP.
3/16
SLEEVE NUT
I-JOIST PARALLEL
2-½"ϕ BOLTS
½"ϕ HANGER RODS @ 8'-0" O.C. - 6" FROM ENDS OF "I"
THREADED END, TYP.
STEEL ANGLE
CLEVIS
L5x5½x ... MIN. 1" LONGER THAN TS WIDTH AT END OF SUPPORTS
I-JOIST PERPENDICULAR
4 x 3/16 CONT.
L 3½ x 2½ x 3/16 @ 8'-0" O.C. ALTERNATE SIDES W/ ½" ϕ BOLT EA. END
5/16
VERIFY SIZE SPACING & LOCATION OF BOLT HOLES W/ MFR.
VERIFY
PIN CEILING

OPERABLE WALL SUPPORT DETAIL 19

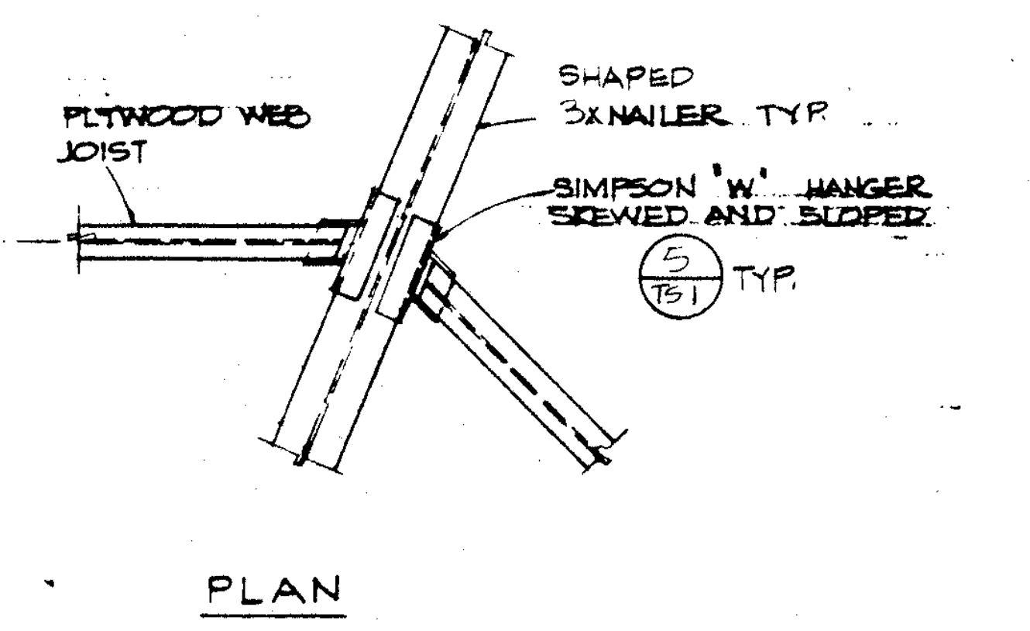

SEE 10/TS5
20/TS5 TYP.
STL. BM.
TUBE COLUMN

NOTE: SEE 20/TS5 FOR OTHER DETAILS

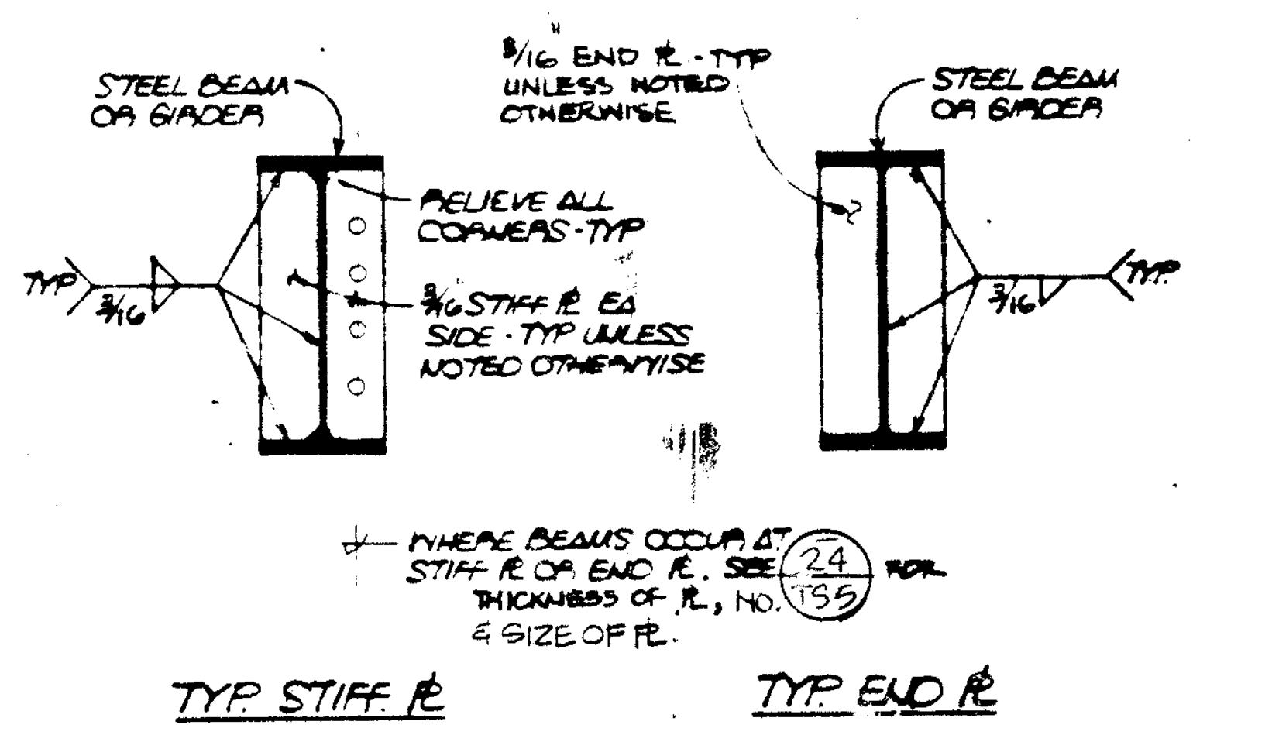
SLOPING BM. TO PERIMETER BM. CONN 15


COLUMN WHERE OCCURS
F.P. TYP.
COLUMN BASE ℞ WHERE OCCURS (BEND AS REQ'D. TO MATCH ROOF SLOPE)
STEEL BEAM OR GIRDER
¼" THICK STIFF. ℞ - SEE 3/TS5 FOR OTHER DETAILS
F.P. TYP.
CUT BOTTOM FLG. & WEB AND BEND TOP FLG. AS REQ'D. TO MATCH ROOF SLOPE, TYP.
GRIND FLUSH WHENEVER INTERSECTING BEAM CONNECTION PLATE OCCURS

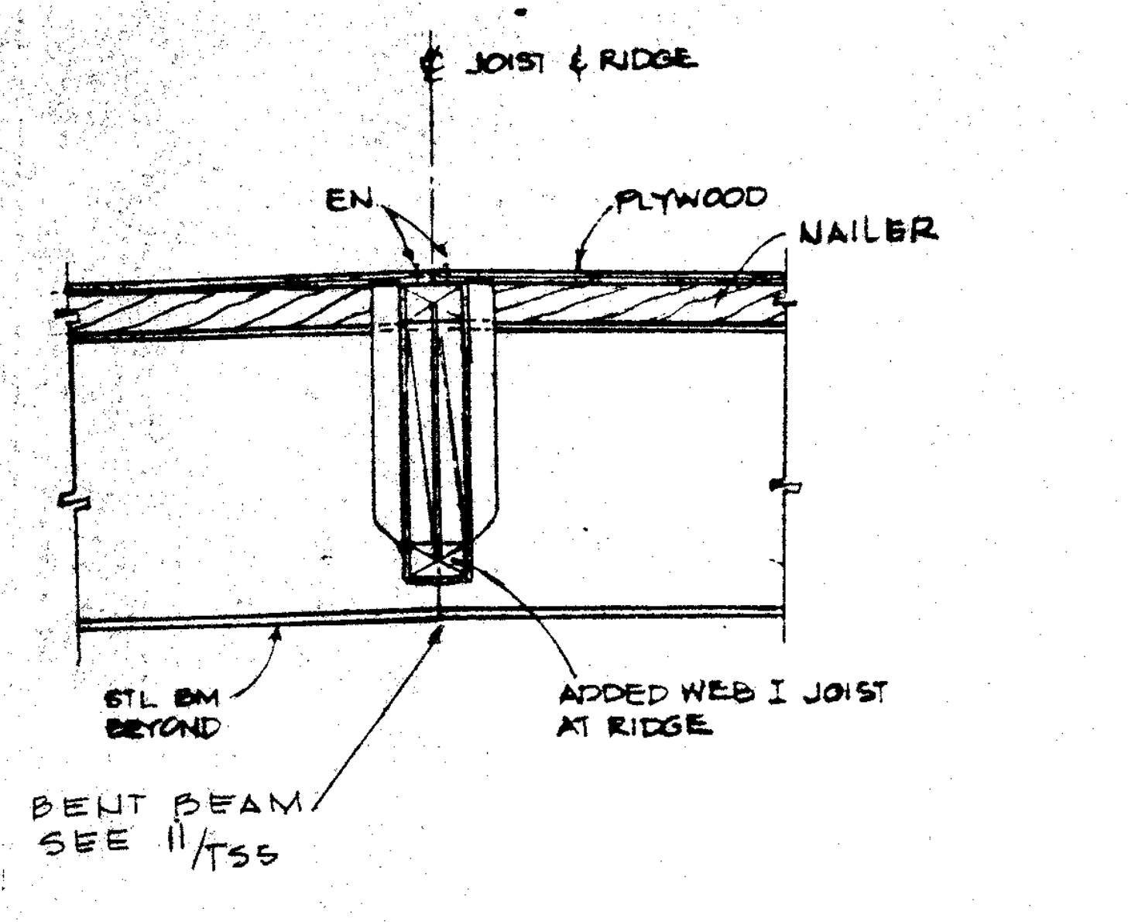
BENT BM. 11


PLYWOOD WEB JOIST
SHAPED 3x NAILER TYP.
SIMPSON "W" HANGER SKEWED AND SLOPED
5/TS1 TYP.
PLAN

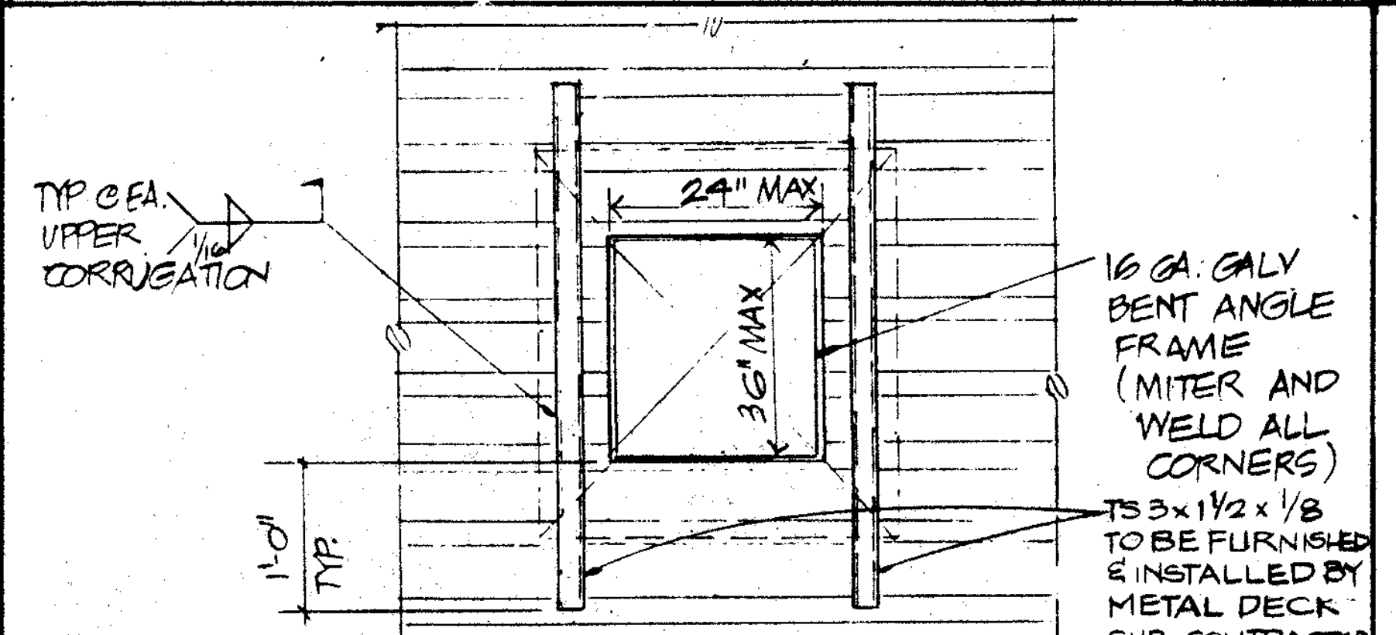
SKEWED JOIST TO BM CONN. 7


STEEL BEAM OR GIRDER
3/16" END ℞ - TYP. UNLESS NOTED OTHERWISE
STEEL BEAM OR GIRDER
TYP.
3/16
RELIEVE ALL CORNERS - TYP.
3/16 STIFF ℞ EA. SIDE - TYP. UNLESS NOTED OTHERWISE
TYP.
3/16
WHERE BEAMS OCCUR AT STIFF ℞ OR END ℞, SEE 24/TS5 FOR THICKNESS OF ℞, NO. & SIZE OF ℞.
TYP. STIFF ℞
TYP. END ℞

STIFF. ℞ AND END ℞ 3


℄ JOIST & RIDGE
EN
PLYWOOD
NAILER
STL. BM BEYOND
ADDED WEB I JOIST AT RIDGE
BENT BEAM SEE 11/TS5

SECTION AT RIDGE OF ROOF 22


TYP. @ EA. UPPER CORRUGATION
24" MAX.
36" MAX.
1'-0"
16 GA. GALV. BENT ANGLE FRAME (MITER AND WELD ALL CORNERS)
TS 3x1½x ⅛ TO BE FURNISHED & INSTALLED BY METAL DECK SUB-CONTRACTOR

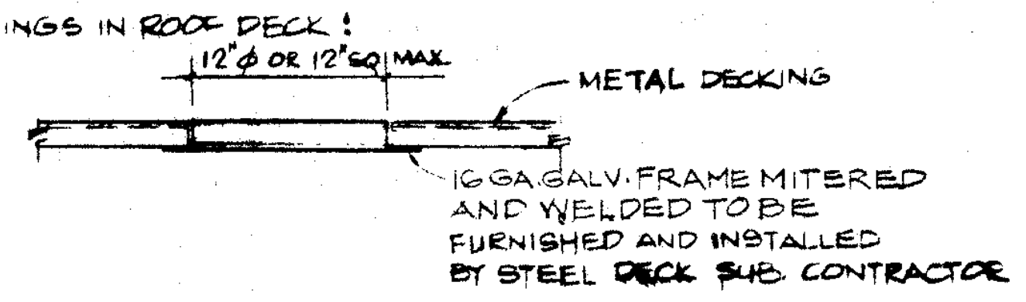
NOTES:

1. FOR OPENING SIZE 12" SQ AND SMALLER, TUBE FRAMING MAY BE OMITTED. - SEE 17/TS5
2. FOR LARGER ROOF OPENINGS SEE 21/TS5

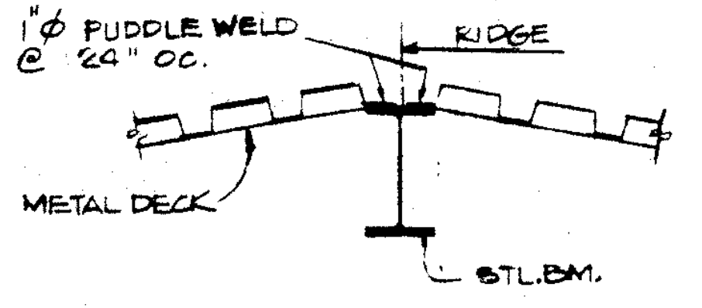
OPENING IN METAL ROOF DECK (SMALL) 18

NOTES:

1. METAL DECKING SHALL CONFORM TO ASTM A446 AND A525
2. DECKING SHALL BE CONTINUOUS OVER 3 SPANS WHERE FRAMING PERMITS
3. MINOR OPENINGS IN ROOF DECK:

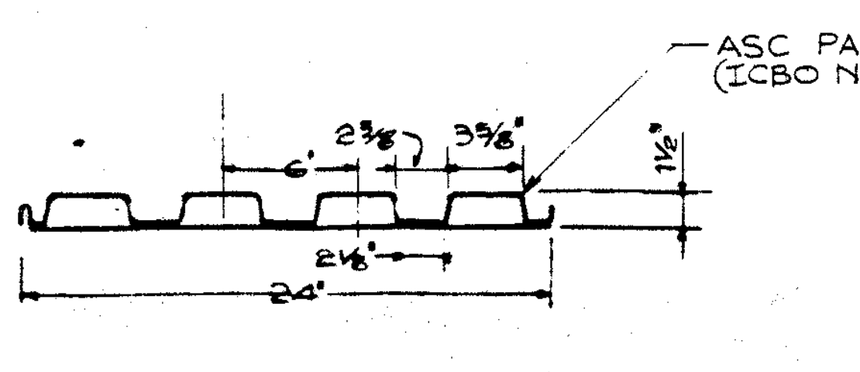

12"ϕ OR 12" SQ MAX.
METAL DECKING
16 GA. GALV. FRAME MITERED AND WELDED TO BE FURNISHED AND INSTALLED BY STEEL DECK SUB. CONTRACTOR

4. TYPICAL OPENING FRAMING - SEE 21/TS5


1"ϕ PUDDLE WELD @ 24" OC.
RIDGE
METAL DECK
STL. BM.

AT RIDGE (A)

5.


ASC PACIFIC BF DECK (ICBO NO. 2757)
6"
2⅜
3⅝"
1½"
2⅛"
24"

DECK PROFILE

a) PROPERTIES:

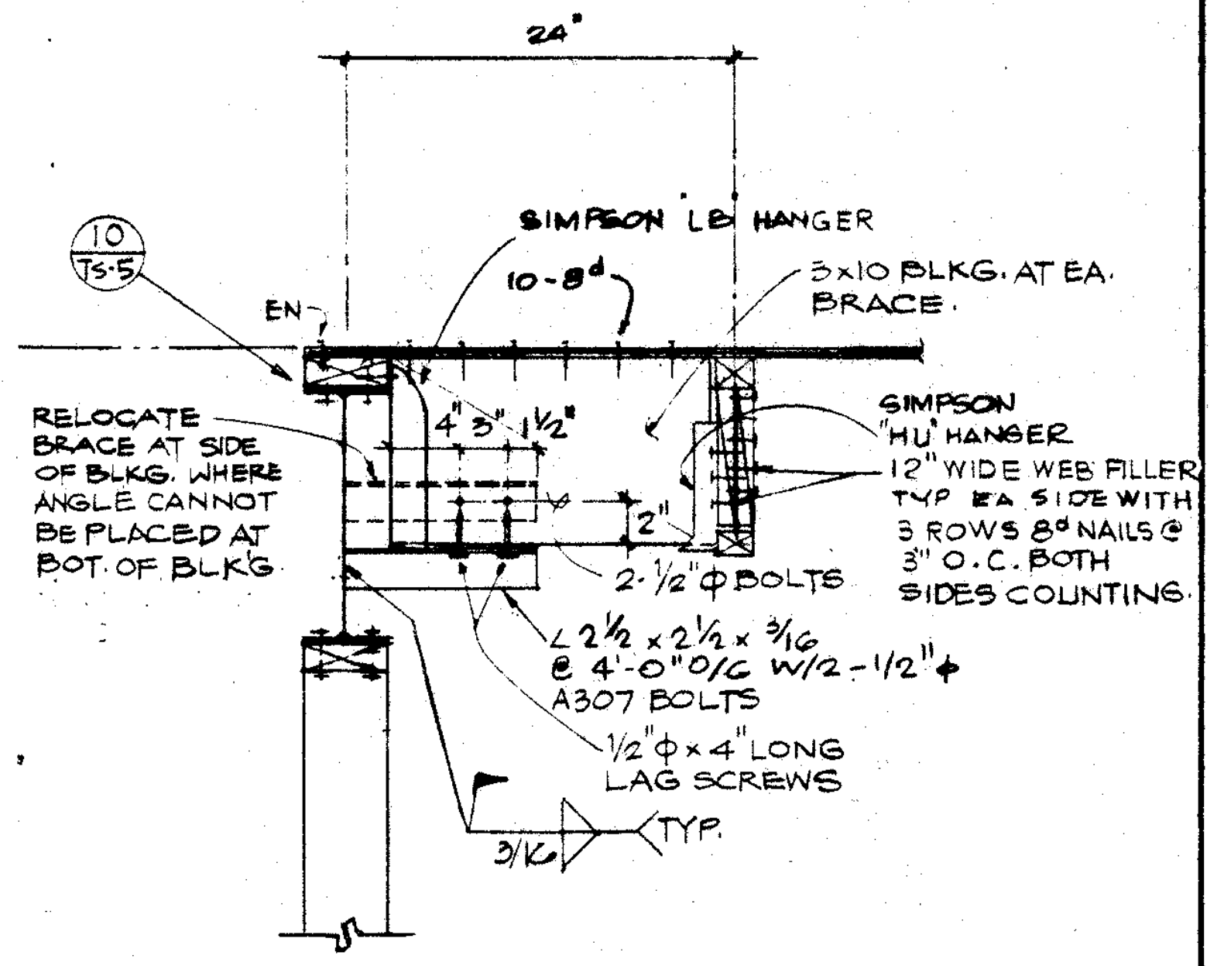
TYPE	UPPER ℞ GA / LOWER ℞ GA	I_{IN^4}	$+S_{IN^3}$	$-S_{IN^3}$
ASC PACIFIC BF DECK	18/16	0.54	0.45	0.60

b) WELDING:

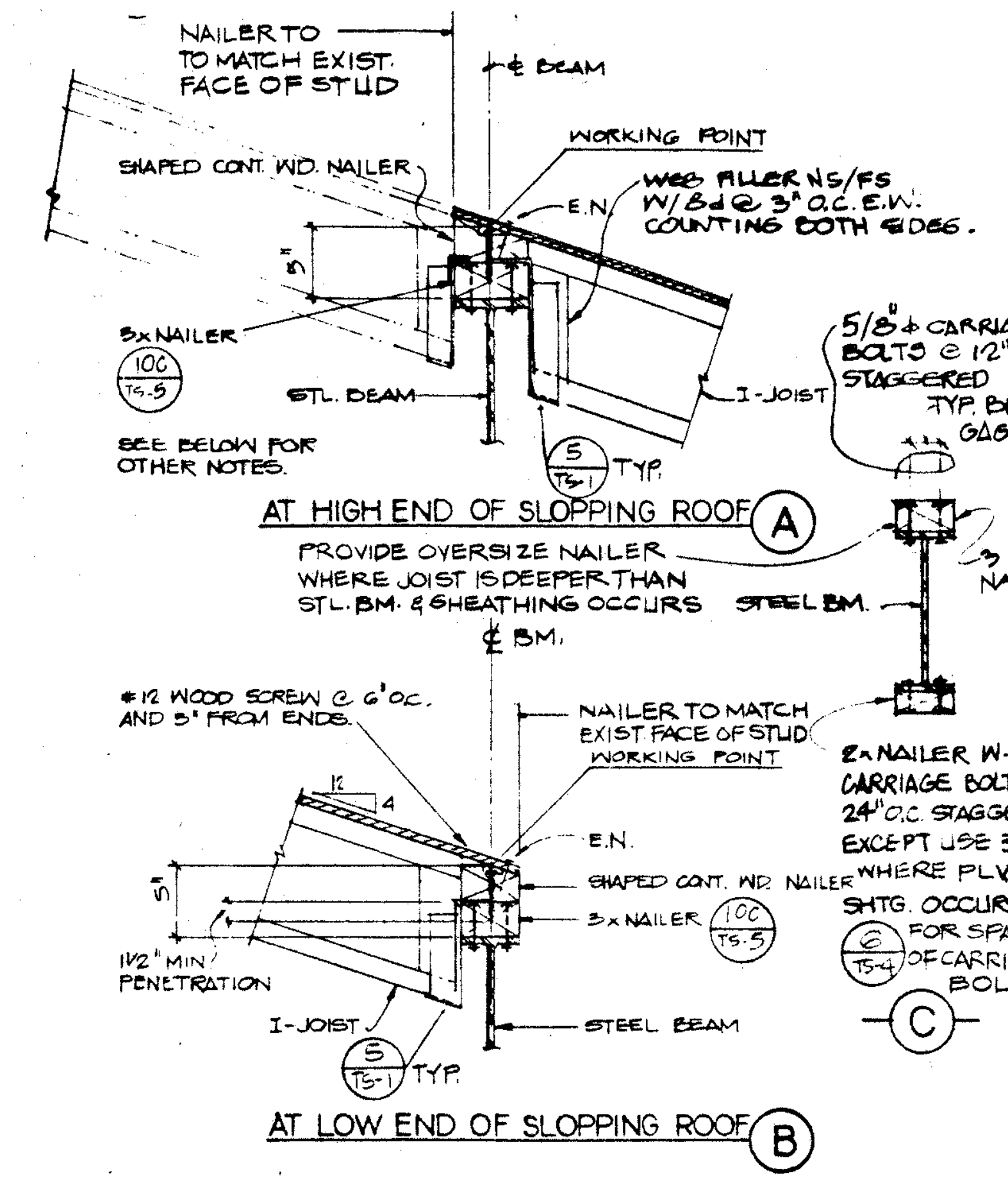
DECK WELDING AT SUPPORT
- DECK PERPENDICULAR: 1"ϕ (¾"ϕ EFFECTIVE) PUDDLE WELD AT EA. LOWER CORRUGATION.
- DECK PARALLEL: 1"ϕ (¾"ϕ EFFECTIVE) PUDDLE WELD AT 24" O.C.

SIDE SEAM WELD: 1½" LONG TOP SEAM WELD AT 18" O.C.

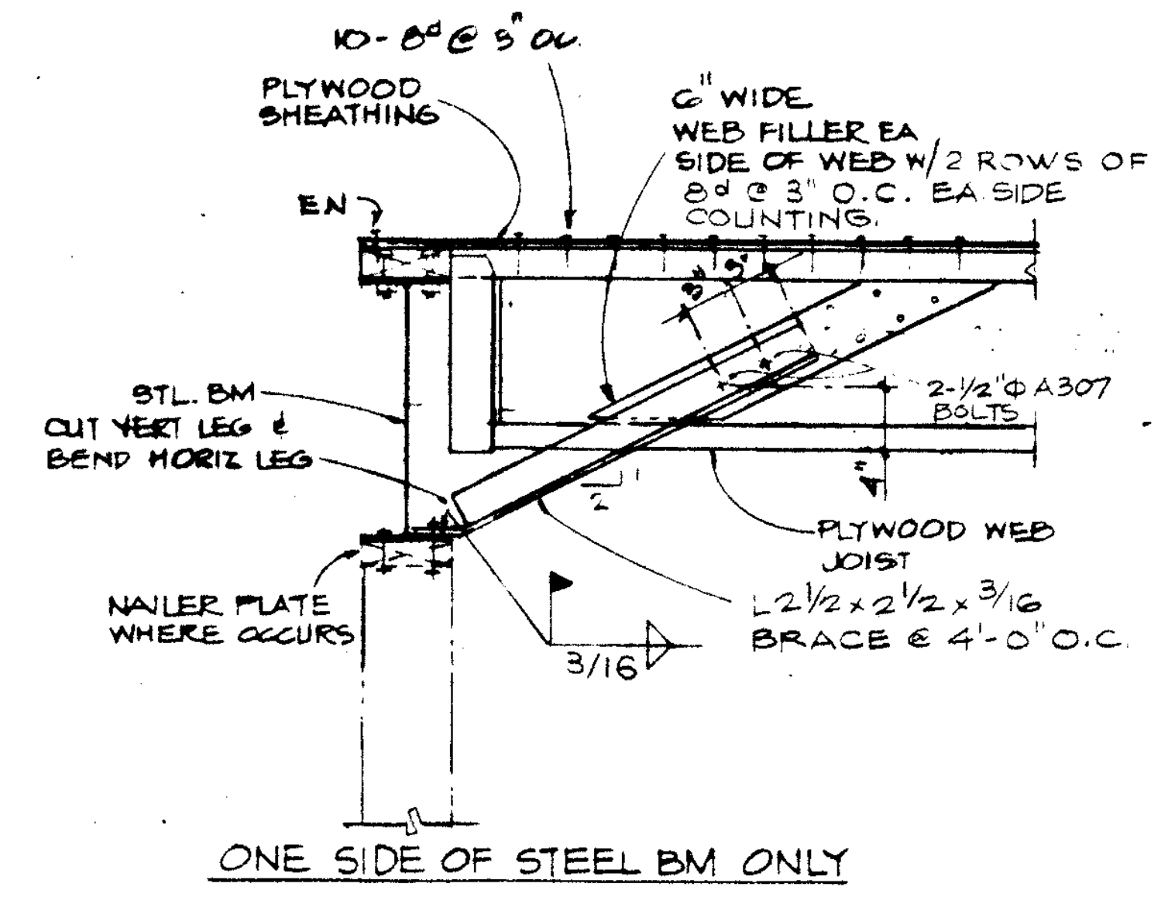
METAL ROOF DECK DETAILS 17


24"
SIMPSON "LB" HANGER
10/TS5
10-8d
EN
3x10 BLKG. AT EA. BRACE
RELOCATE BRACE AT SIDE OF BLKG. WHERE ANGLE CANNOT BE PLACED AT BOT. OF BLKG.
SIMPSON "HU" HANGER
12" WIDE WEB FILLER TYP. EA. SIDE WITH 3 ROWS 8d NAILS @ 3" O.C. BOTH SIDES COUNTING
4'-5" 1½"
2"
2-½"ϕ BOLTS
L 2½ x 2½ x 3/16 @ 4'-0" O/C W/2-½"ϕ A307 BOLTS
½"ϕ x 4" LONG LAG SCREWS
TYP.
3/16

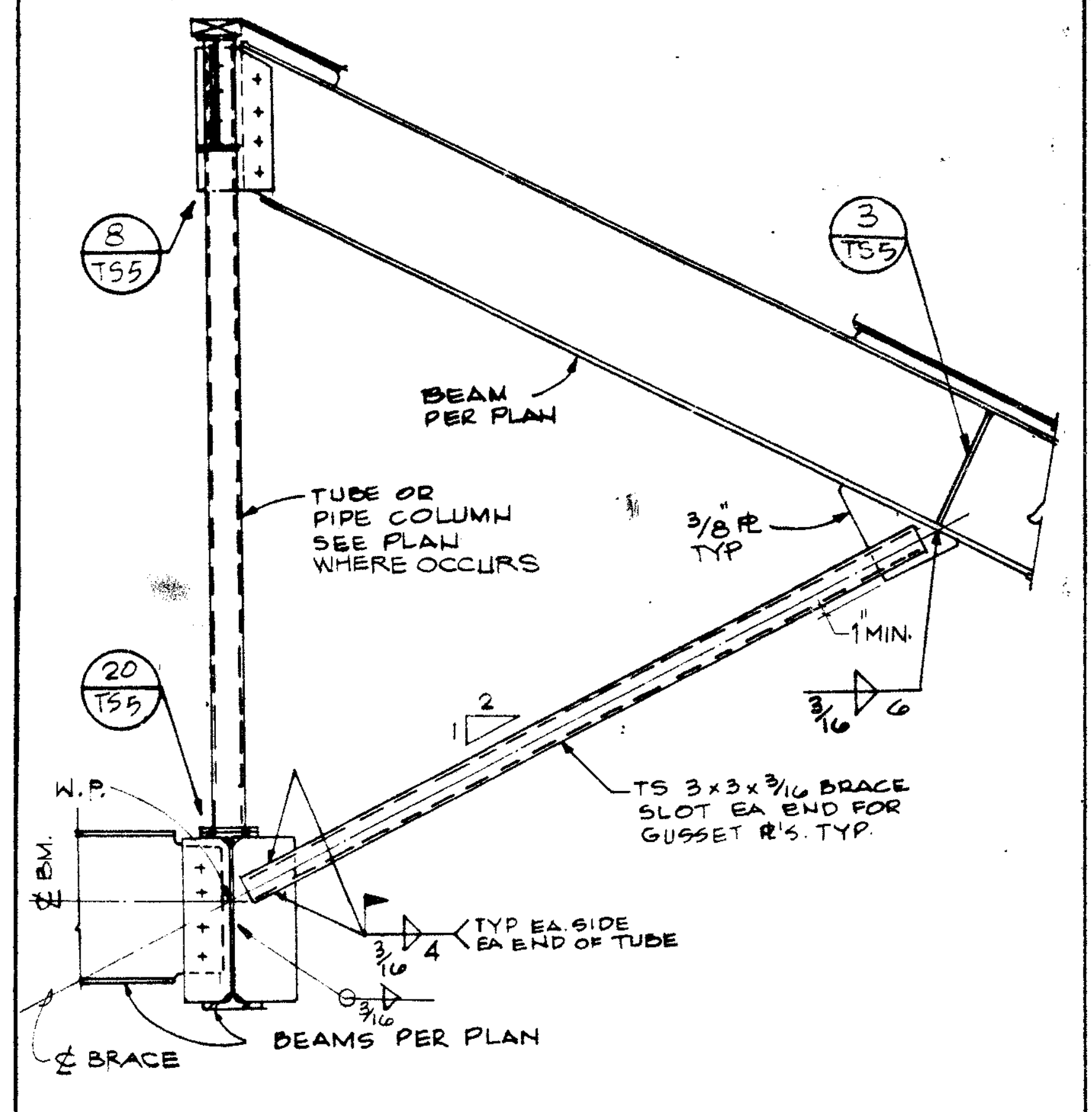
DETAIL 14


NAILER TO MATCH EXIST. FACE OF STUD
℄ BEAM
SHAPED CONT. WD. NAILER
WORKING POINT
EN
WEB FILLER N.S./F.S. W/8d @ 3" O.C. E.W. COUNTING BOTH SIDES.
3x NAILER
10C/TS5
5/8"ϕ CARRIAGE BOLTS @ 12" O.C. STAGGERED TYP. BM. GAGE.
STL. BEAM
I-JOIST
SEE BELOW FOR OTHER NOTES
5/TS1 TYP.
AT HIGH END OF SLOPING ROOF (A)
PROVIDE OVERSIZE NAILER WHERE JOIST IS DEEPER THAN STL. BM. & SHEATHING OCCURS
STEEL BM.
℄ BM.
3x NAILER
#12 WOOD SCREW @ 6" o.c. AND 3" FROM ENDS.
NAILER TO MATCH EXIST. FACE OF STUD WORKING POINT
EN
SHAPED CONT. WD. NAILER
3x NAILER
10C/TS5
1½" MIN. PENETRATION
I-JOIST
3/TS1 TYP.
STEEL BEAM
3x NAILER W-5/8"ϕ CARRIAGE BOLTS @ 24" O.C. STAGGERED EXCEPT USE 3x WHERE PLWD. SHTG. OCCURS SEE (C) FOR SPACING OF CARRIAGE BOLTS
(C)
AT LOW END OF SLOPING ROOF (B)

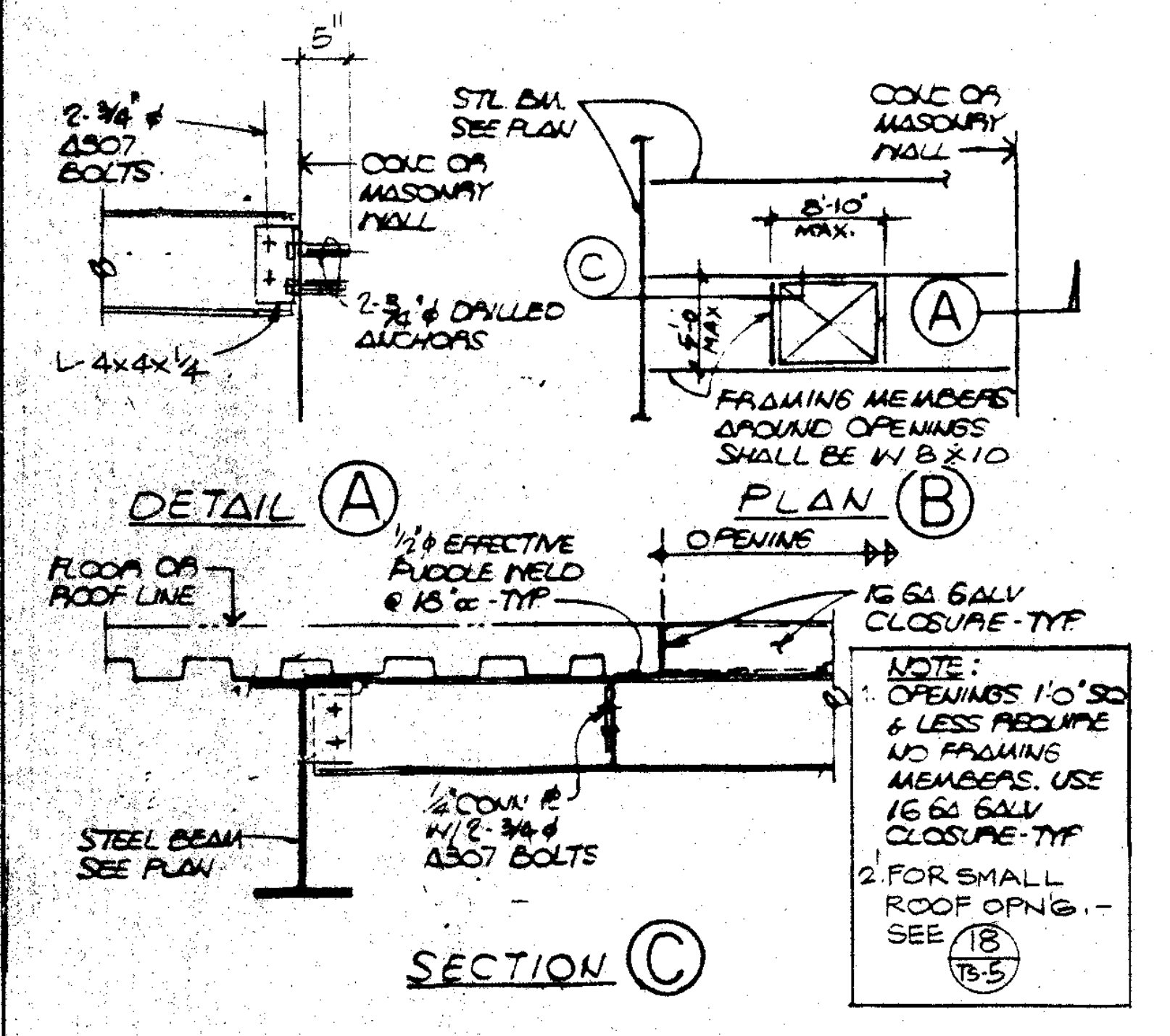
STEEL BM./NAILER DETAIL 10


10 - 8d @ 3" oc
PLYWOOD SHEATHING
6" WIDE WEB FILLER EA. SIDE OF WEB W/2 ROWS OF 8d @ 3" O.C. EA. SIDE COUNTING
EN
STL. BM.
CUT VERT. LEG & BEND HORIZ. LEG
2-½"ϕ A307 BOLTS
PLYWOOD WEB JOIST
NAILER PLATE WHERE OCCURS
3/16
L 2½ x 2½ x 3/16 BRACE @ 4'-0" O.C.
ONE SIDE OF STEEL BM ONLY

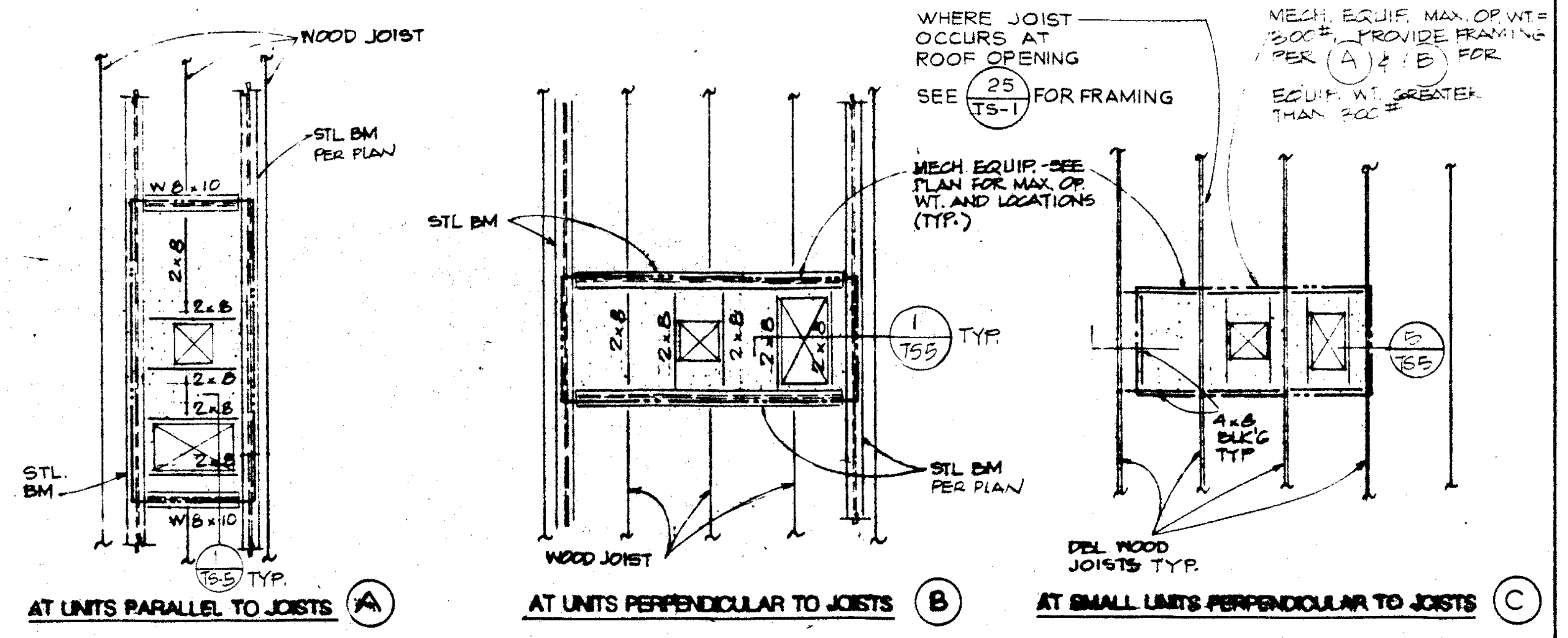
ROOF JOIST/STL. BM. 6


8/TS5
3/TS5
BEAM PER PLAN
TUBE OR PIPE COLUMN SEE PLAN WHERE OCCURS
3/8 ℞ TYP.
1" MIN.
20/TS5
2
1
W.P.
TS 3 x 3 x 3/16 BRACE SLOT EA. END FOR GUSSET ℞'S TYP.
TYP. EA. SIDE EA. END OF TUBE
3/16
4
℄ BRACE
BEAMS PER PLAN

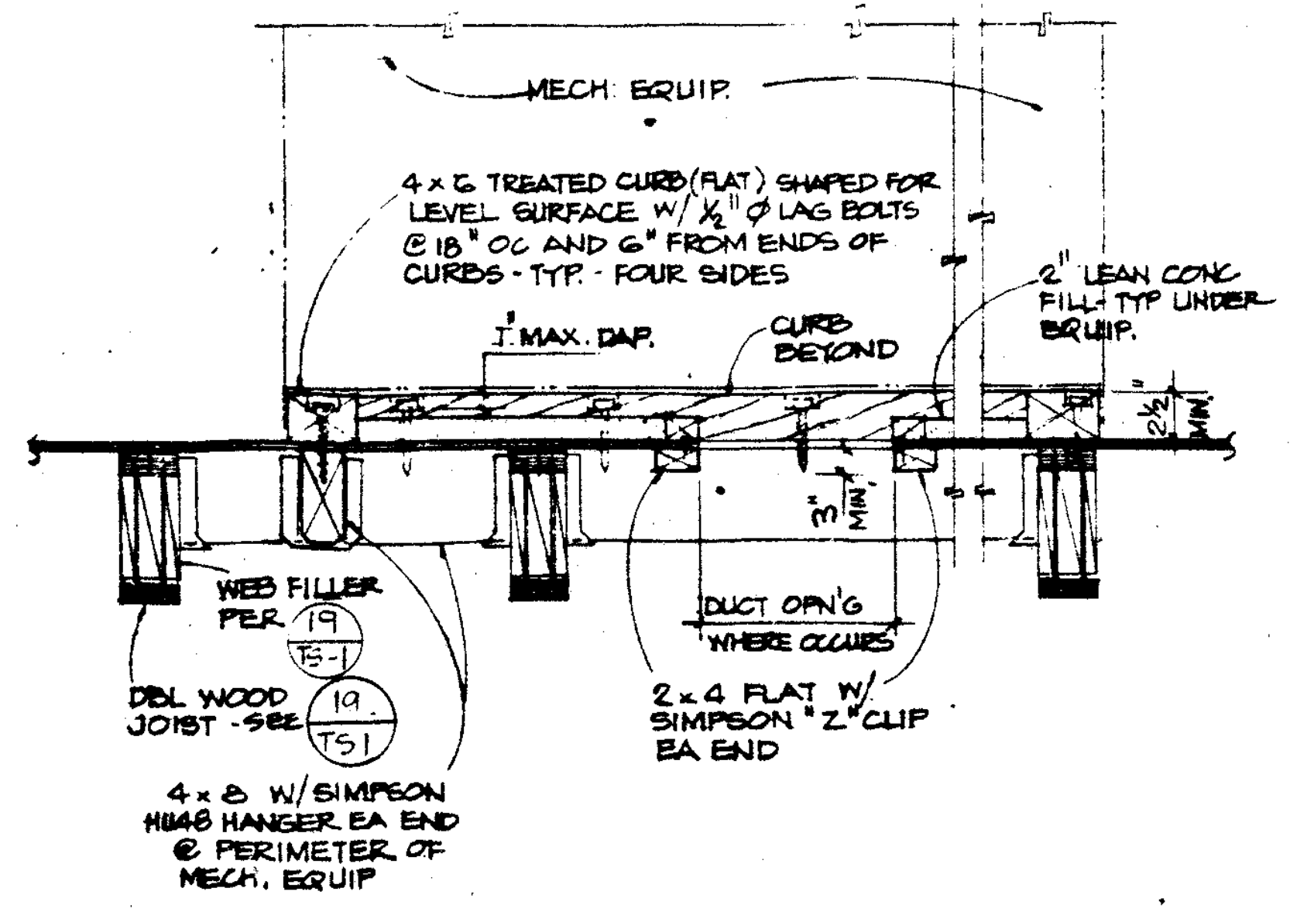
BRACING DETAIL 2


3"
2-¾"ϕ A307 BOLTS
STL. BM. SEE PLAN
CONC. OR MASONRY WALL
CONC. OR MASONRY WALL
8-10
2-¾"ϕ DRILLED ANCHORS
L-4x4x¼
C
A
FRAMING MEMBERS AROUND OPENINGS SHALL BE W 8x10
DETAIL (A)
PLAN (B)
ROOF OR FLOOR LINE
½"ϕ EFFECTIVE PUDDLE WELD @ 12" OC - TYP.
OPENING
16 GA. GALV. CLOSURE - TYP.
NOTE: OPENINGS 1'0" SQ. & LESS REQUIRE NO FRAMING MEMBERS. USE 16 GA. GALV. CLOSURE - TYP.
FOR SMALL ROOF OPNG. - SEE 18/TS5
STEEL BEAM SEE PLAN
½" CONN. ℞ W/2-¾"ϕ A307 BOLTS
SECTION (C)

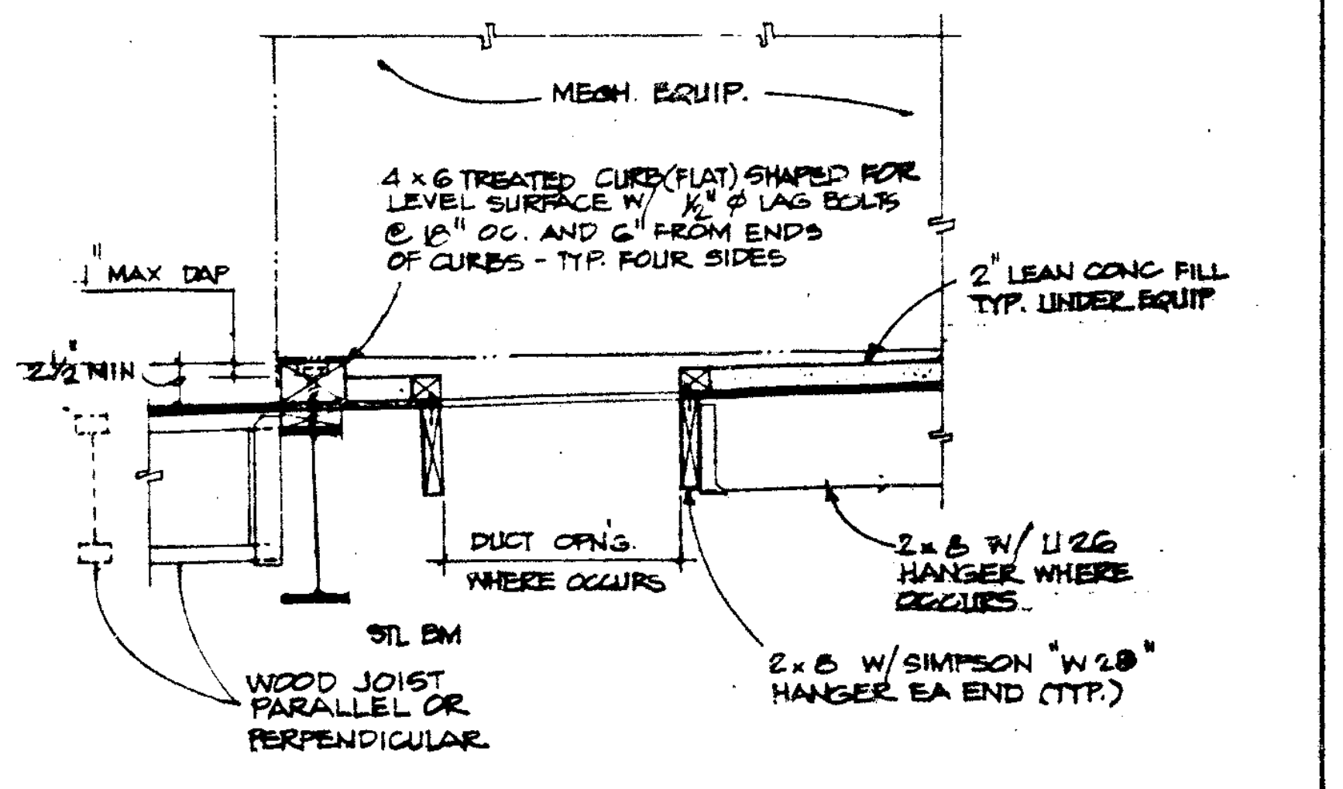
OPN'G FRAMING AT METAL ROOF DECK 21


WOOD JOIST
STL. BM PER PLAN
W 8x10
2x8
2x8
2x8
STL. BM.
W 8x10
1/TS5 TYP.
AT UNITS PARALLEL TO JOISTS (A)
STL. BM
2x8
2x8
1/TS5 TYP.
WOOD JOIST
STL. BM PER PLAN
AT UNITS PERPENDICULAR TO JOISTS (B)
WHERE JOIST OCCURS AT ROOF OPENING SEE 25/TS-1 FOR FRAMING
MECH. EQUIP. - SEE PLAN FOR MAX. OP. WT. AND LOCATIONS (TYP.)
MECH. EQUIP. MAX. OP. WT = 300 LB. PROVIDE FRAMING PER (A) OR (B) FOR EQUIP. WT. GREATER THAN 300
4x8 BLKG. TYP.
DBL. WOOD JOISTS TYP.
STEEL BEAM
1/TS5
AT SMALL UNITS PERPENDICULAR TO JOISTS (C)

PLAN DETAILS - MECHANICAL EQUIPMENT PADS 9


MECH. EQUIP.
4x6 TREATED CURB (FLAT) SHAPED FOR LEVEL SURFACE W/ ⅜"ϕ LAG BOLTS @ 18" OC AND @ 6" FROM ENDS OF CURBS - TYP. - FOUR SIDES
2" LEAN CONC. FILL - TYP. UNDER EQUIP.
1" MAX. DAP.
CURB BEYOND
WEB FILLER PER 19/TS1
DBL. WOOD JOIST - SEE 19/TS1
DUCT OPN'G WHERE OCCURS
2x4 FLAT W/ SIMPSON "Z" CLIP EA. END
4x6 W/ SIMPSON H848 HANGER EA. END @ PERIMETER OF MECH. EQUIP.

SECTION - MECH'L EQUIPMENT PADS 5


MECH. EQUIP.
4x6 TREATED CURB (FLAT) SHAPED FOR LEVEL SURFACE W/ ⅜"ϕ LAG BOLTS @ 18" OC. AND @ 6" FROM ENDS OF CURBS - TYP. FOUR SIDES
1" MAX. DAP
2" LEAN CONC. FILL TYP. UNDER EQUIP.
2x2 MIN.
STL. BM.
DUCT OPN'G WHERE OCCURS
2x6 W/ U26 HANGER WHERE OCCURS
WOOD JOIST PARALLEL OR PERPENDICULAR
2x6 W/ SIMPSON "W28" HANGER EA. END (TYP.)

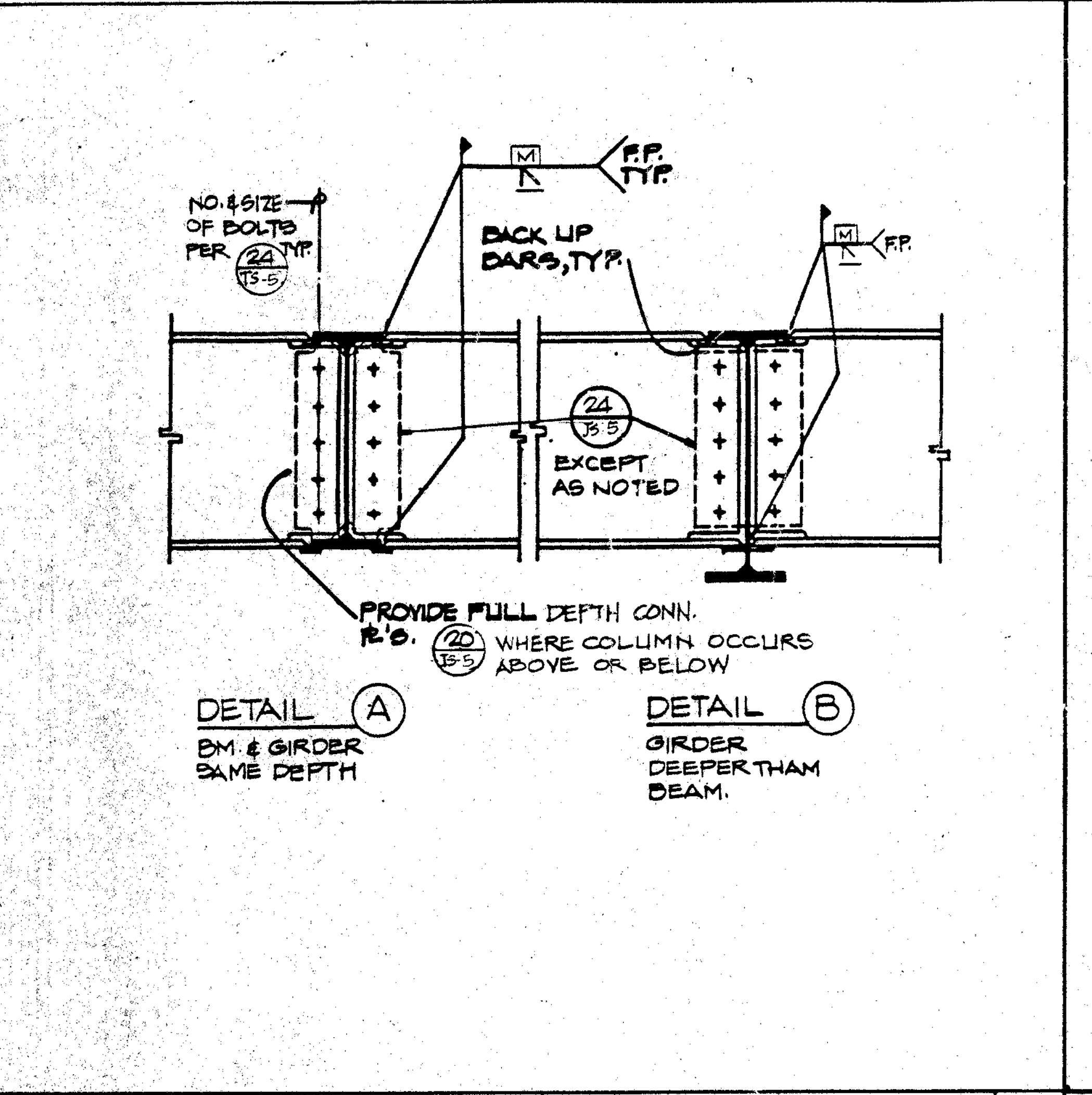
OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY
JUN 24 1985
M. Conte
PRINCIPAL STRUCTURAL ENGINEER

ROOF DUCT OPENING DETAIL 1

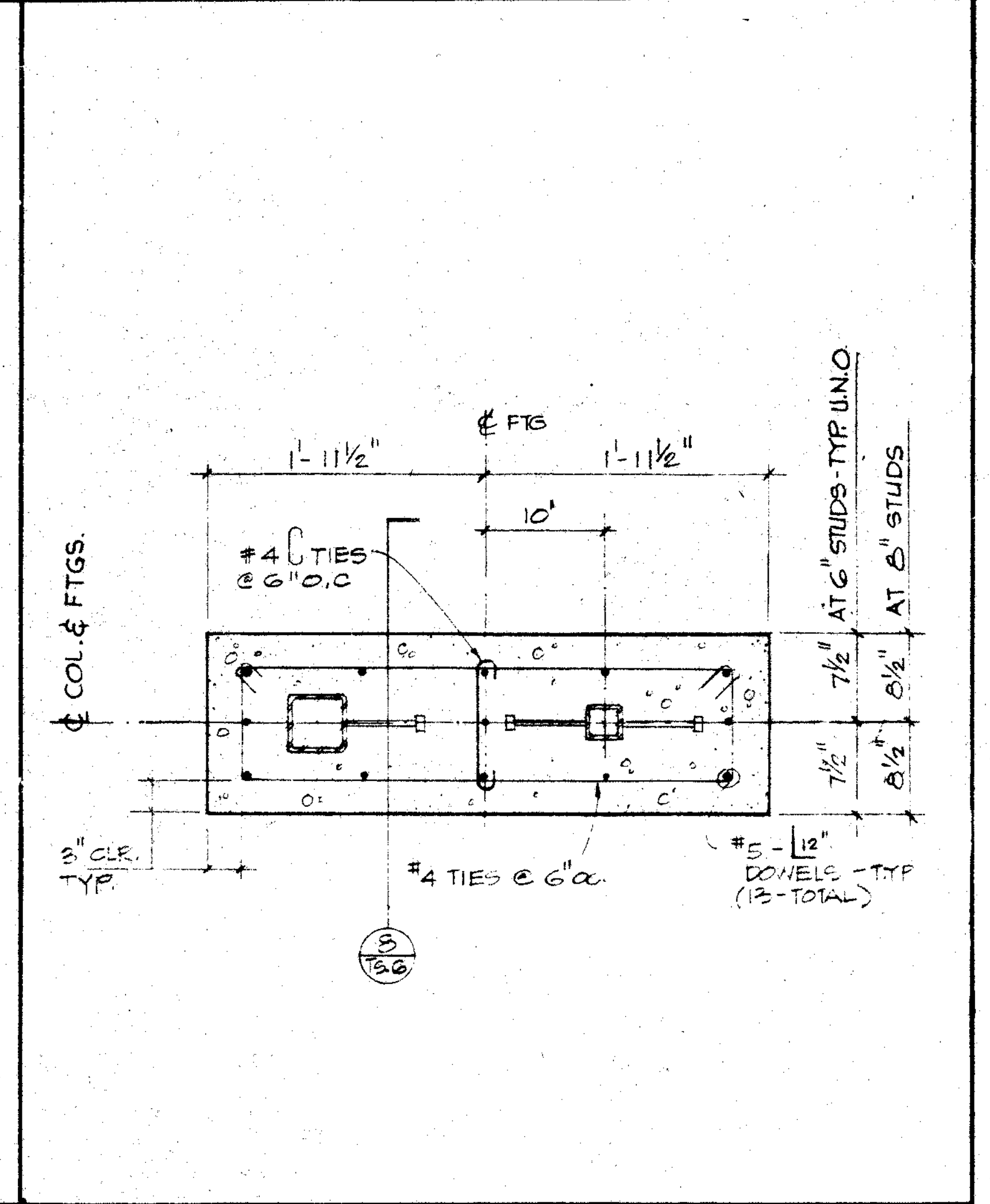
Drawn By MN Checked By SRU Date MAR 1985 Commission No. 1.30.02	Revisions	Brandow & Johnston Assoc. Structural Engineers Mamoru E. Kanda	REGISTERED PROFESSIONAL ENGINEER MAMORU E. KANDA No. 956 EXP. 12-31-88 STRUCTURAL STATE OF CALIFORNIA	Architects Planners RUHNAU McGAVIN RUHNAU / ASSOCIATES 3775 Tenth Street, Riverside, CA 92501-3669, 714/684-4664 5751 Palmer Way, Suite C, Carlsbad, CA 92008-1895, 619/438-5899	ARCHITECT C-6497	West Hills High School Grossmont Union High School District San Diego, Ca San Diego County

TYPICAL DETAILS

Sheet Number TS-5 Of Sheets

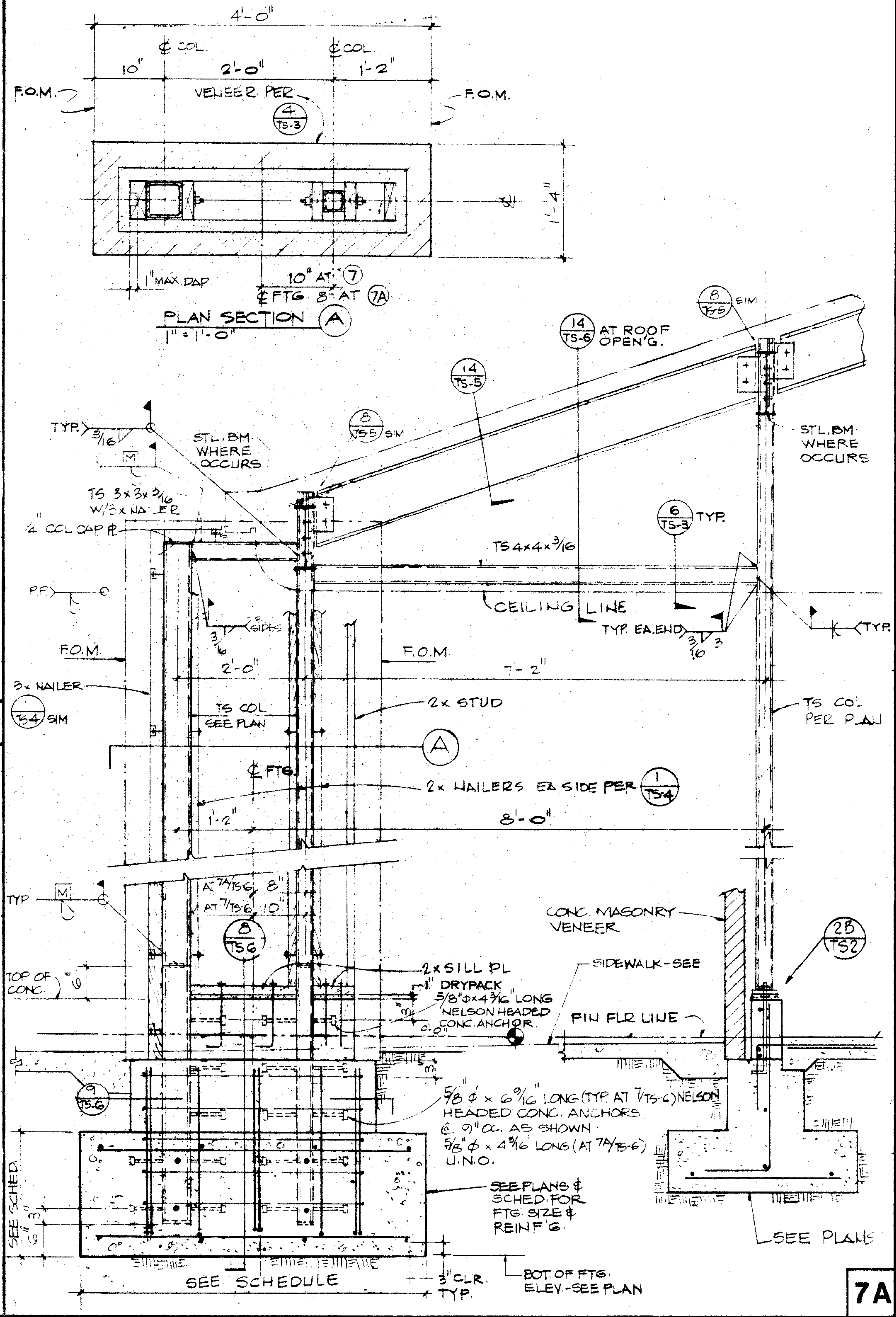

NO. & SIZE OF BOLTS PER 24/TS-6
F.P. TYP.
BACK UP BARS, TYP.
F.P.
24/TS-6 EXCEPT AS NOTED
PROVIDE FULL DEPTH CONN. PL'S. 20/TS-5 WHERE COLUMN OCCURS ABOVE OR BELOW
DETAIL A
BM. & GIRDER SAME DEPTH
DETAIL B
GIRDER DEEPER THAN BEAM.

MOMENT CONN. 15


℄ FTG.
1'-11½"
1'-11½"
10"
#4 ⊏ TIES @ 6" O.C.
℄ COL. & FTGS.
AT 6" STUDS-TYP. U.N.O.
AT 8" STUDS
7½"
8½"
3" CLR. TYP.
#4 TIES @ 6" O.C.
5-L12" DOWELS-TYP (15-TOTAL)
5/TS-6

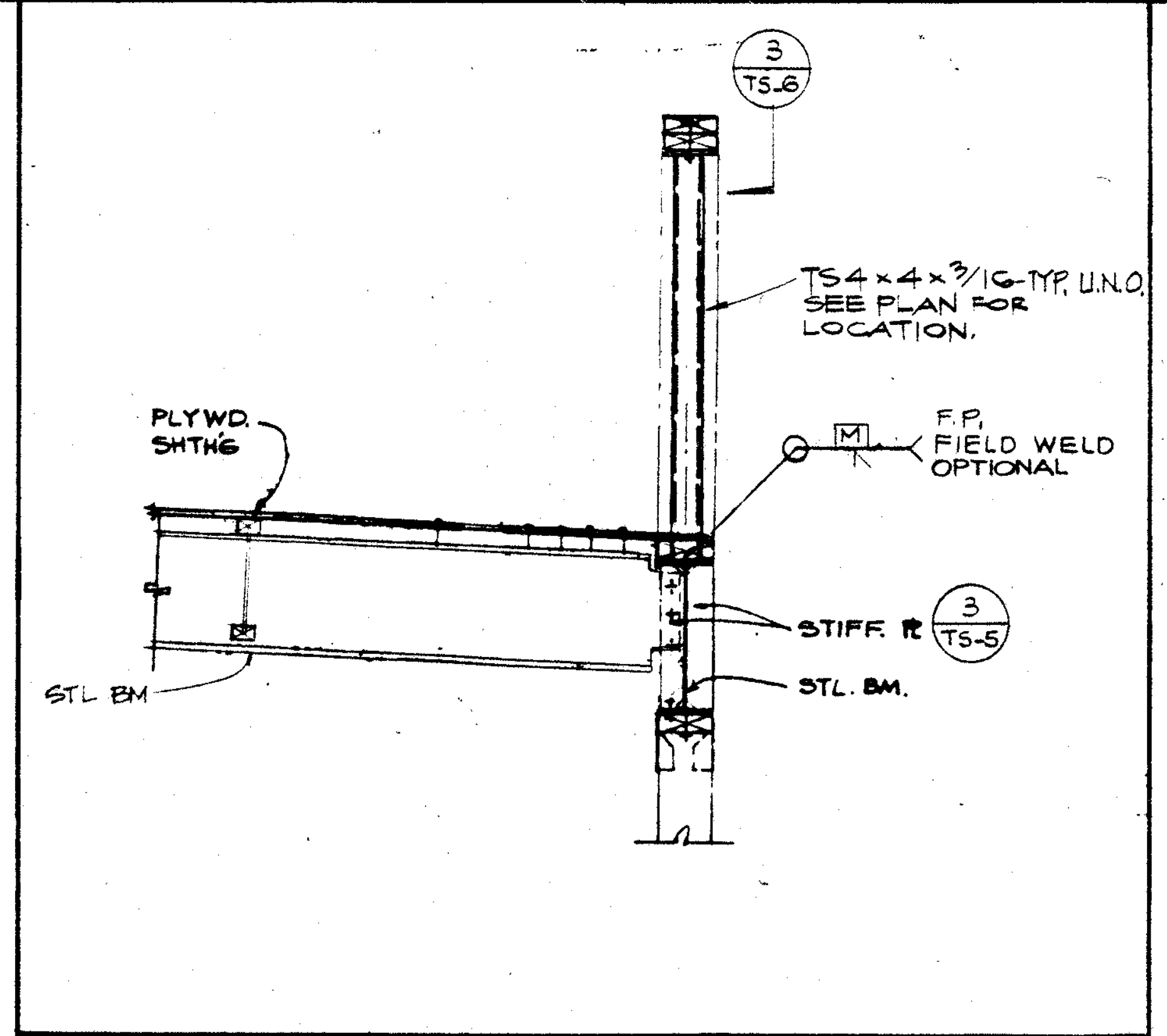
PLAN SECTION

SCALE 1"=1'-0" 9

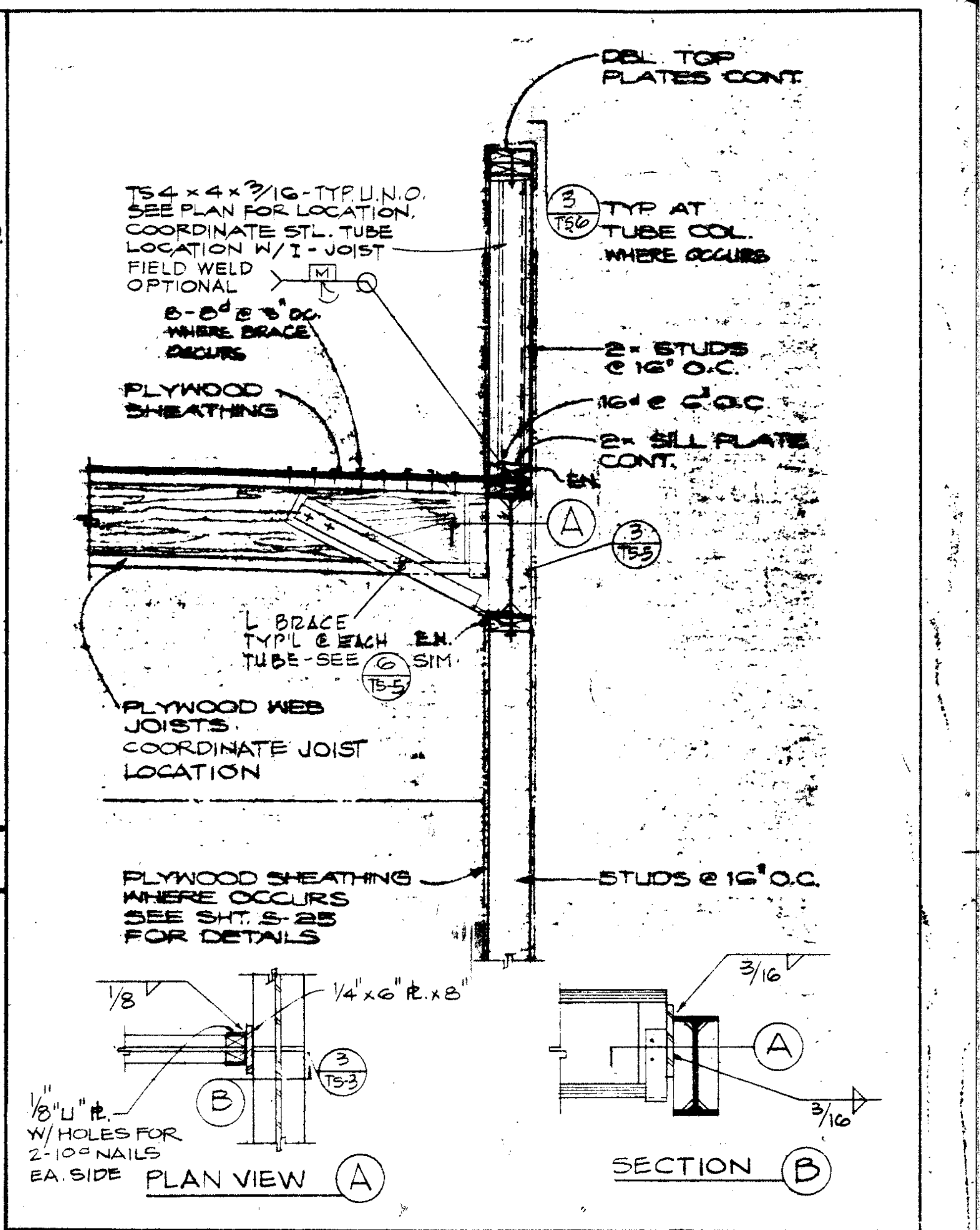

4'-0"
℄ COL.
℄ COL.
10"
2'-0"
1'-2"
F.O.M.
VENEER PER 4/TS-3
F.O.M.
1'-4"
1" MAX. GAP
10" AT 7
℄ FTG. 8" AT 7A
PLAN SECTION A
1"=1'-0"
14/TS-6 AT ROOF OPEN'G.
8/TS-6 SIM.
14/TS-5
8/TS-5 SIM.
TYP.
STL. BM. WHERE OCCURS
TS 3x3x3/16 W/2x NAILER
℄ COL. CAP PL.
STL. BM. WHERE OCCURS
6/TS-3 TYP.
TS 4x4x3/16
F.P.
CEILING LINE
TYP. EA. END
F.O.M.
F.O.M.
7'-2"
3x NAILER
14/TS-4 SIM.
2'-0"
TS COL. SEE PLAN
2x STUD
A
TS COL. PER PLAN
℄ FTG.
2x NAILERS EA. SIDE PER 1/TS-4
1'-2"
8'-0"
TYP.
B/TS-6
CONC. MASONRY VENEER
2B/TS-2
TOP OF CONC.
2x SILL PL
1" DRYPACK
5/8"φ x 4 5/16" LONG NELSON HEADED CONC. ANCHOR
SIDEWALK-SEE
FIN. FLR. LINE
5/8"φ x 6 9/16" LONG (TYP. AT 7/TS-6) NELSON HEADED CONC. ANCHORS @ 9" O.C. AS SHOWN 5/8"φ x 4 5/16 LONG (AT 7A/TS-6) U.N.O.
SEE PLANS & SCHED. FOR FTG. SIZE & REINF'G.
SEE SCHED.
SEE PLANS
SEE SCHEDULE
3" CLR. TYP.
BOT. OF FTG. ELEV.-SEE PLAN
7A

SECTION AT PIER

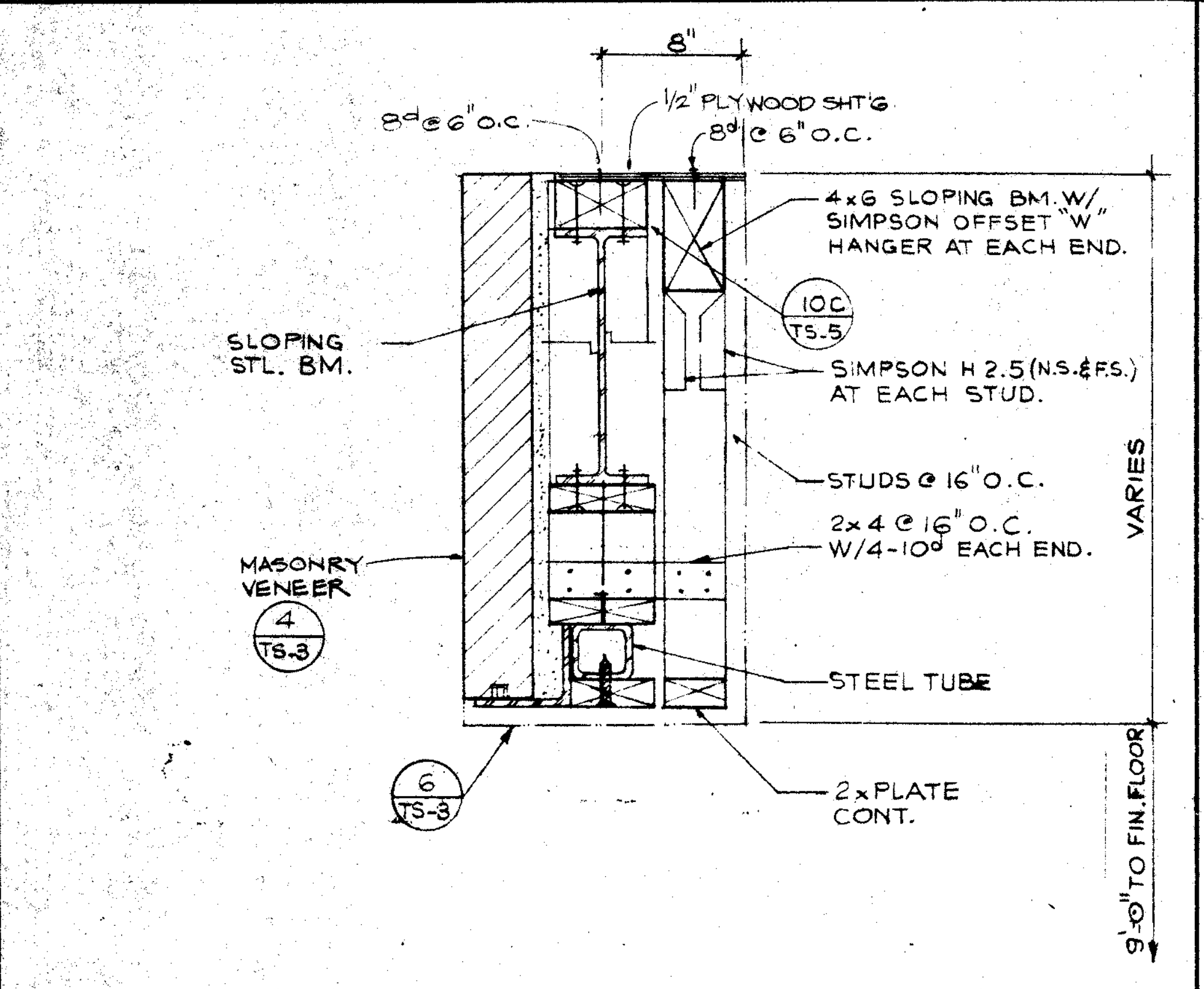
SCALE 3/4"=1'-0" 7


3/TS-6
PLYWD. SHTHG.
TS 4x4x3/16-TYP. U.N.O. SEE PLAN FOR LOCATION.
F.P. FIELD WELD OPTIONAL
STIFF. PL 3/TS-5
STL. BM.
STL. BM.

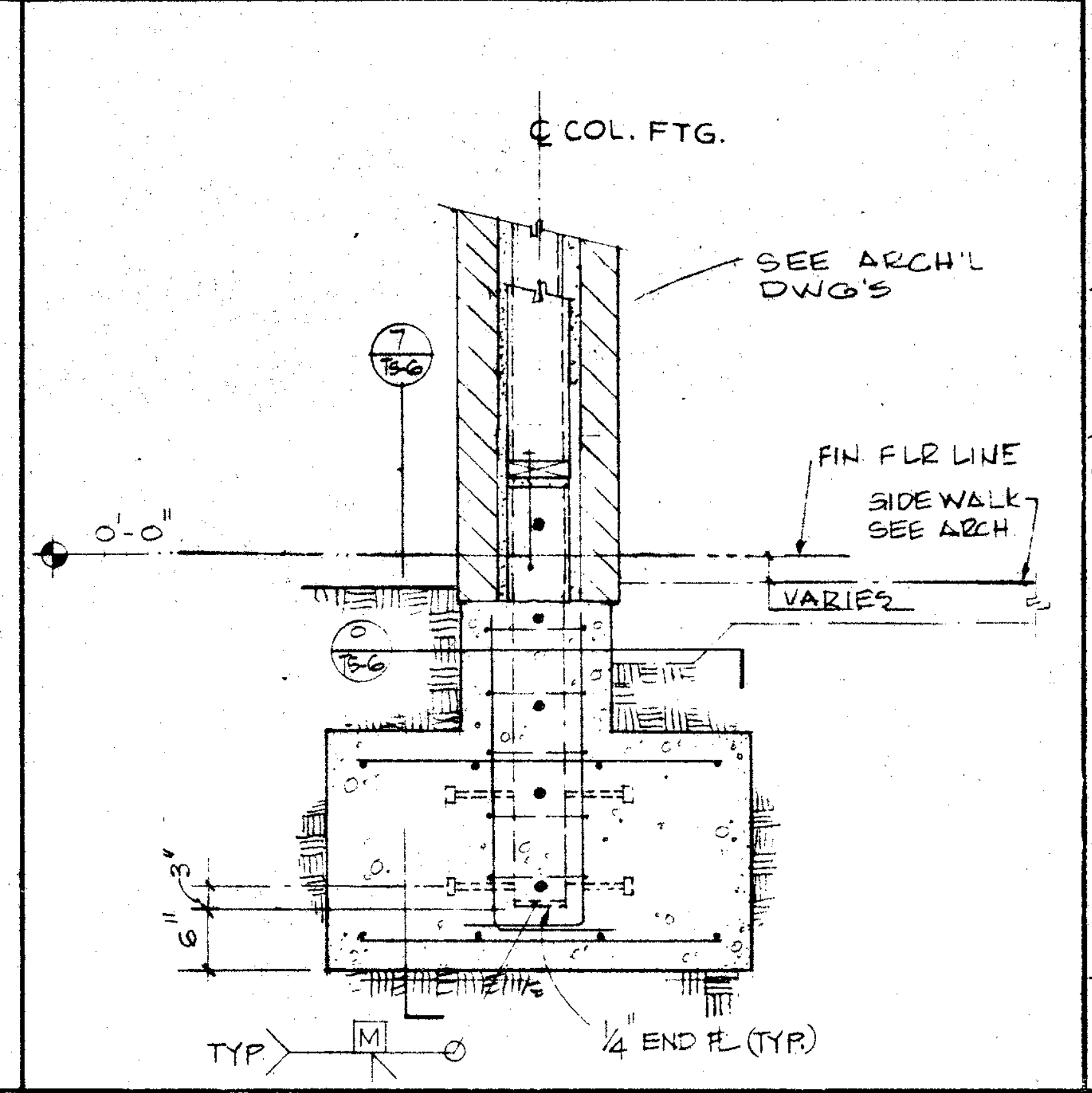
PARAPET SUPPORT DETAIL 5


DBL. TOP PLATES CONT.
TS 4x4x3/16-TYP. U.N.O. SEE PLAN FOR LOCATION. COORDINATE STL. TUBE LOCATION W/ I-JOIST
FIELD WELD OPTIONAL
3/TS-6 TYP. AT TUBE COL. WHERE OCCURS
2-6d @ 3" O.C. WHERE BRACE OCCURS
2x STUDS @ 16" O.C.
16d @ 2" O.C.
2x SILL PLATE CONT.
PLYWOOD SHEATHING
A/TS-5
L BRACE TYP. @ EACH TUBE-SEE 6/TS-5 SIM.
PLYWOOD WEB JOISTS. COORDINATE JOIST LOCATION
PLYWOOD SHEATHING WHERE OCCURS SEE SHT. S-25 FOR DETAILS
STUDS @ 16" O.C.
1/8
1/4" x 6" x 3" x 8"
3/16
1/8" PL W/ HOLES FOR 2-10d NAILS EA. SIDE
PLAN VIEW A
SECTION B
3/16

PARAPET SUPPORT DETAIL 2

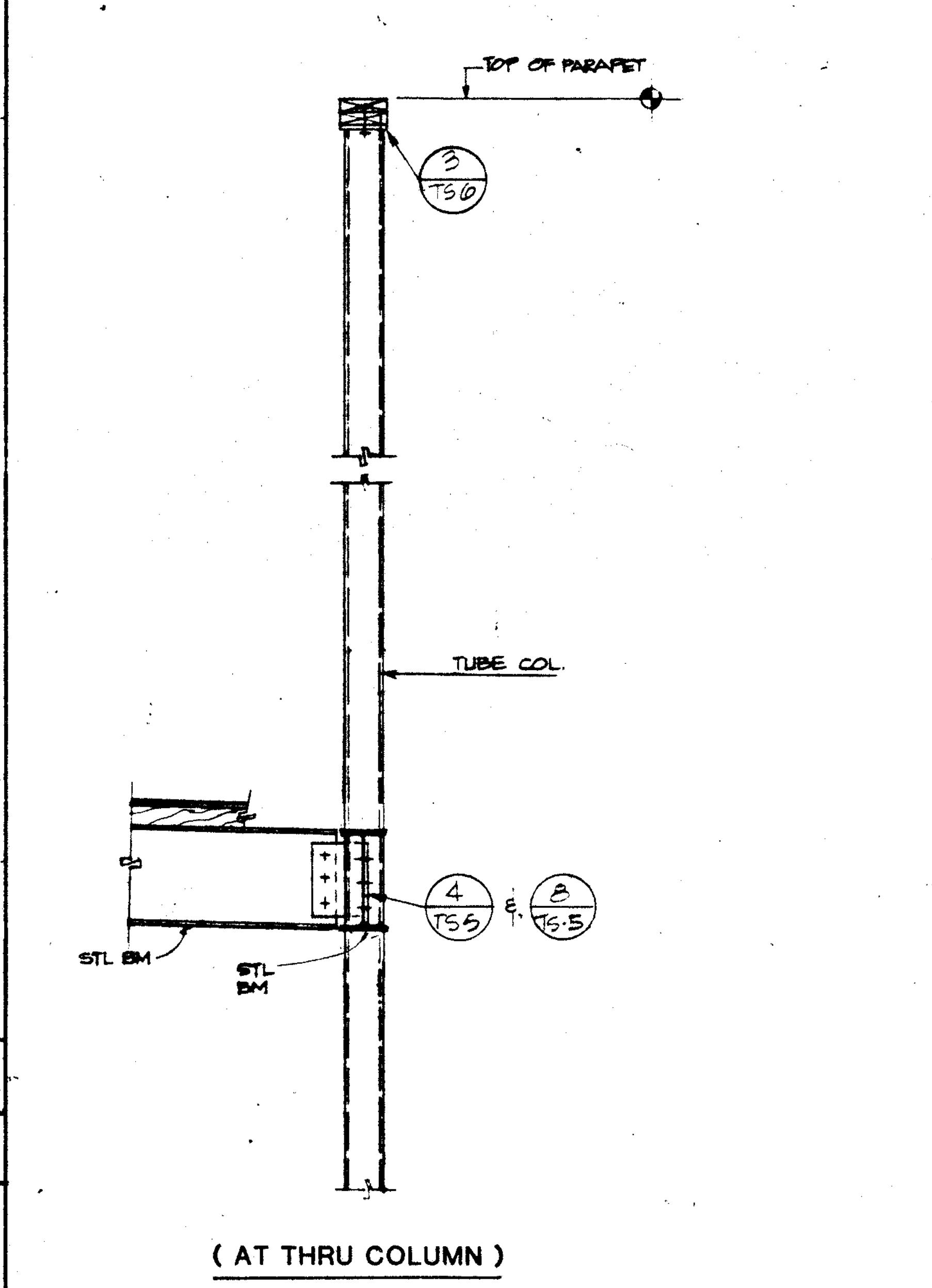

8"
8d @ 6" O.C.
1/2" PLYWOOD SHTG.
8d @ 6" O.C.
4x6 SLOPING BM. W/ SIMPSON OFFSET "W" HANGER AT EACH END.
10C/TS-3
SLOPING STL. BM.
SIMPSON H2.5 (N.S.-F.S.) AT EACH STUD.
VARIES
STUDS @ 16" O.C.
2x4 @ 16" O.C. W/4-10d EACH END.
MASONRY VENEER 4/TS-3
STEEL TUBE
6/TS-3
2x PLATE CONT.
9'-0" TO FIN. FLOOR

TYP. SECTION THRU END WALL 14


℄ COL. FTG.
SEE ARCH'L DWG'S
7/TS-6
FIN. FLR. LINE
SIDE WALK-SEE ARCH.
0'-0"
VARIES
6"
TYP.
1/4" END PL. (TYP.)

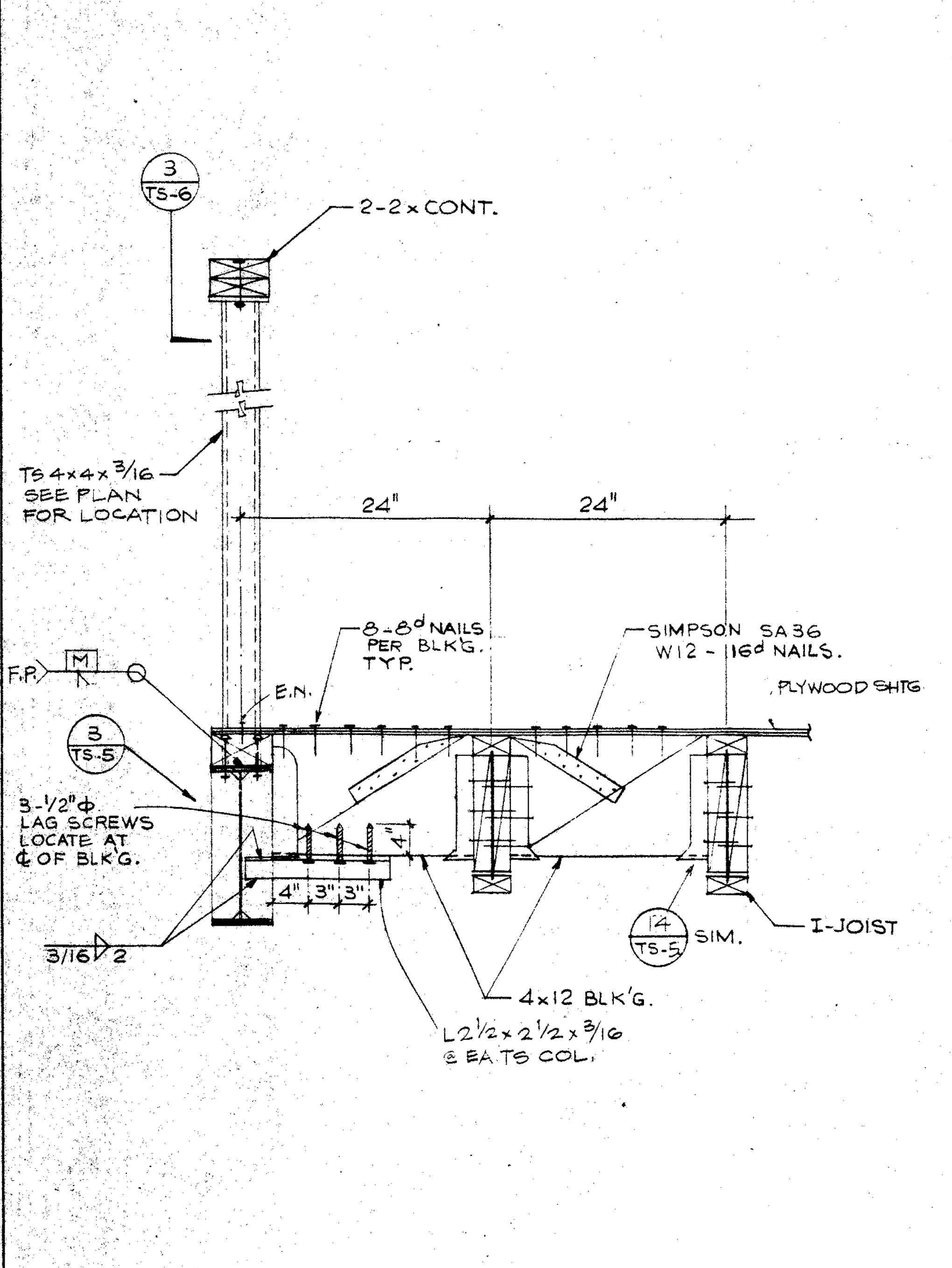
SECTION

SCALE 3/4"=1'-0" 8

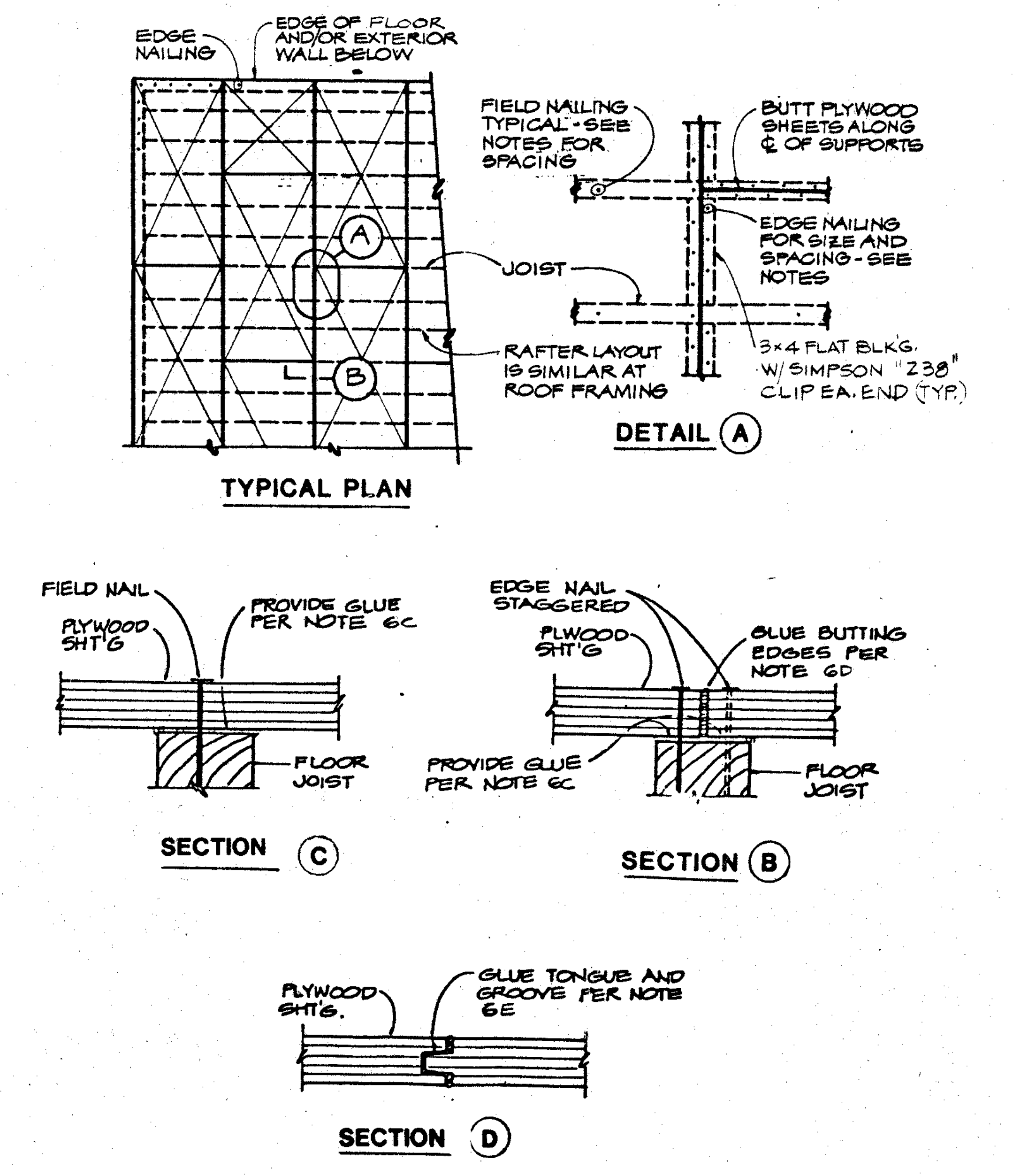

TOP OF PARAPET
3/TS-6
TUBE COL.
STL. BM.
STL. BM.
4/TS-5 & 8/TS-5

(AT THRU COLUMN)

COLUMN DETAIL AT PARAPET 4


3/TS-6
2-2x CONT.
TS 4x4x3/16 SEE PLAN FOR LOCATION
24"
24"
8-8d NAILS PER BLK'G. TYP.
SIMPSON SA36 W/12-16d NAILS.
PLYWOOD SHTG.
F.P.
E.N.
3/TS-5
3-1/2"φ LAG SCREWS LOCATE AT ℄ OF BLK'G.
4" 3" 3"
14/TS-5 SIM.
I-JOIST
3/16 2
4x12 BLK'G.
L 2½ x 2½ x 3/16 & EA. TS COL.

DETAIL 12


EDGE NAILING
EDGE OF FLOOR AND/OR EXTERIOR WALL BELOW
FIELD NAILING TYPICAL-SEE NOTES FOR SPACING
A
JOIST
B
RAFTER LAYOUT IS SIMILAR AT ROOF FRAMING
TYPICAL PLAN
BUTT PLYWOOD SHEETS ALONG ℄ OF SUPPORTS
EDGE NAILING FOR SIZE AND SPACING-SEE NOTES
3x4 FLAT BLKG. W/SIMPSON "Z38" CLIP EA. END (TYP.)
DETAIL A
FIELD NAIL
PLYWOOD SHT'G
PROVIDE GLUE PER NOTE 6C
FLOOR JOIST
SECTION C
EDGE NAIL STAGGERED
PLYWOOD SHT'G
GLUE BUTTING EDGES PER NOTE 6D
PROVIDE GLUE PER NOTE 6C
FLOOR JOIST
SECTION B
PLYWOOD SHT'G.
GLUE TONGUE AND GROOVE PER NOTE 6E
SECTION D

FLOOR SHEATHING NOTES

1. PLYWOOD SHEATHING SHALL BE 1 1/8" APA RATED STURD-I-FLOOR EXPOSURE 1, TONGUE AND GROOVE LONG EDGES AND SHALL CONFORM TO U.S. PRODUCT STD PS 1-83.
2. NAILS FOR PLYWOOD SHEATHING SHALL BE 10d (9GA. x 2 5/8" LONG, RING SHANK WITH FULL HEAD AT FLOOR SHEATHING).

   NAILING: EDGE--------------------AT 4" ON CENTER. U.N.O. ON PLAN

   INTERMEDIATE------------@ 10" ON CENTER.

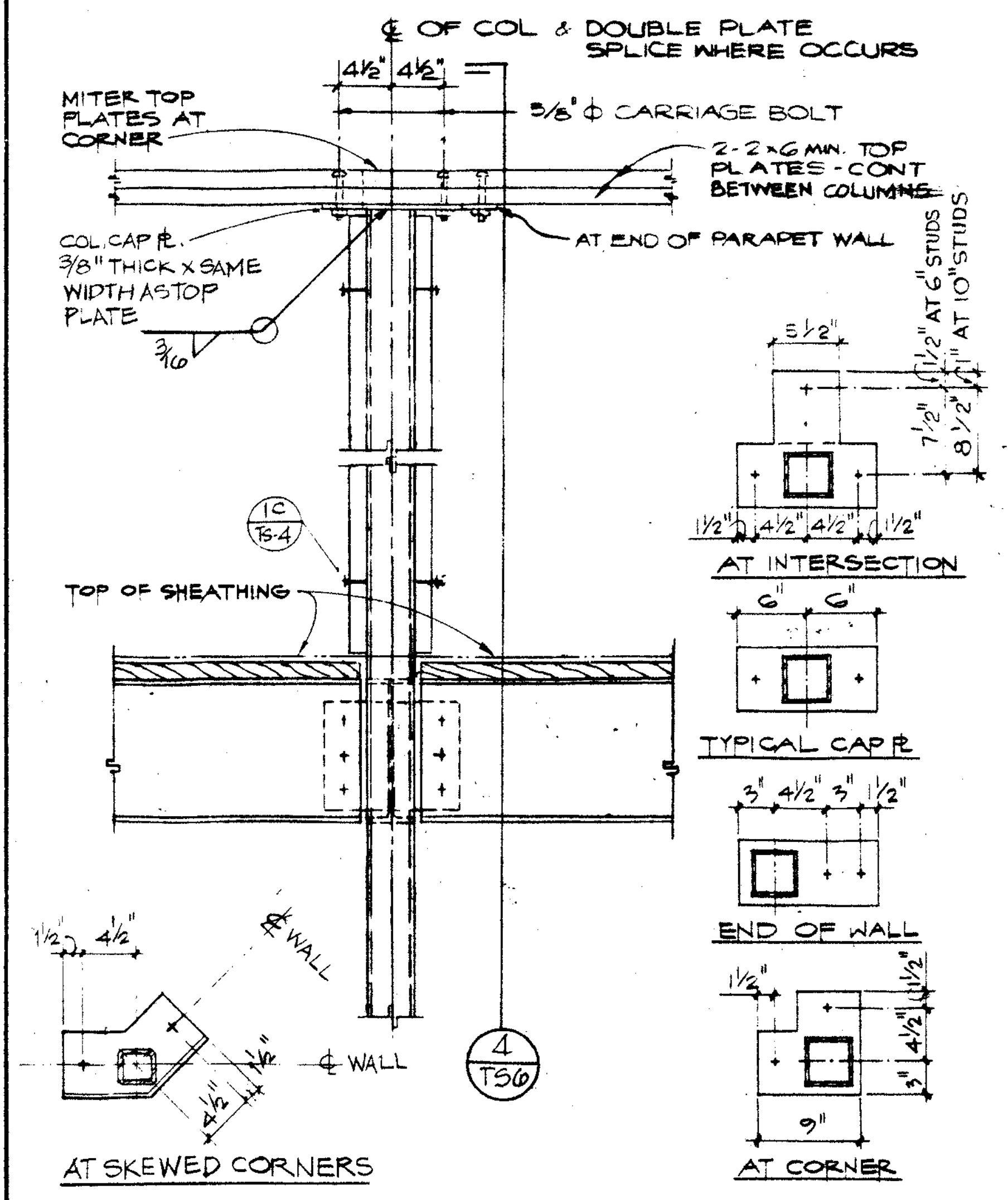
3. INDIVIDUAL PLYWOOD SHEETS SHALL NOT BE LESS THAN 2'-0" IN LEAST DIMENSION NOR LESS THAN 8'-0" SQ. FEET IN AREA. USE FULL SIZE SHEETS WHEREVER POSSIBLE.
4. PLACE PLYWOOD SHEET WITH FACE PLIES PERPENDICULAR TO JOISTS.
5. JOIST LAYOUT SHALL BE COORDINATED WITH 4'-0" MODULE AS RELATED TO PLYWOOD SHEATING PATTERN.
6. ELASTOMERIC ADHESIVE: CONFORM TO AMERICAN PLYWOOD ASSOCIATION SPECIFICATION AFG-01. ADHESIVE SHALL BE CERTIFIED AS CONFORMING BY A TESTING AGENCY ACCEPTED BY THE FEDERAL HOUSING ADMINISTRATION, IN ACCORDANCE WITH PROCEDURES GIVEN IN HUD-FHA USE OF MATERIAL BULLETIN UM-60.

   EXECUTION

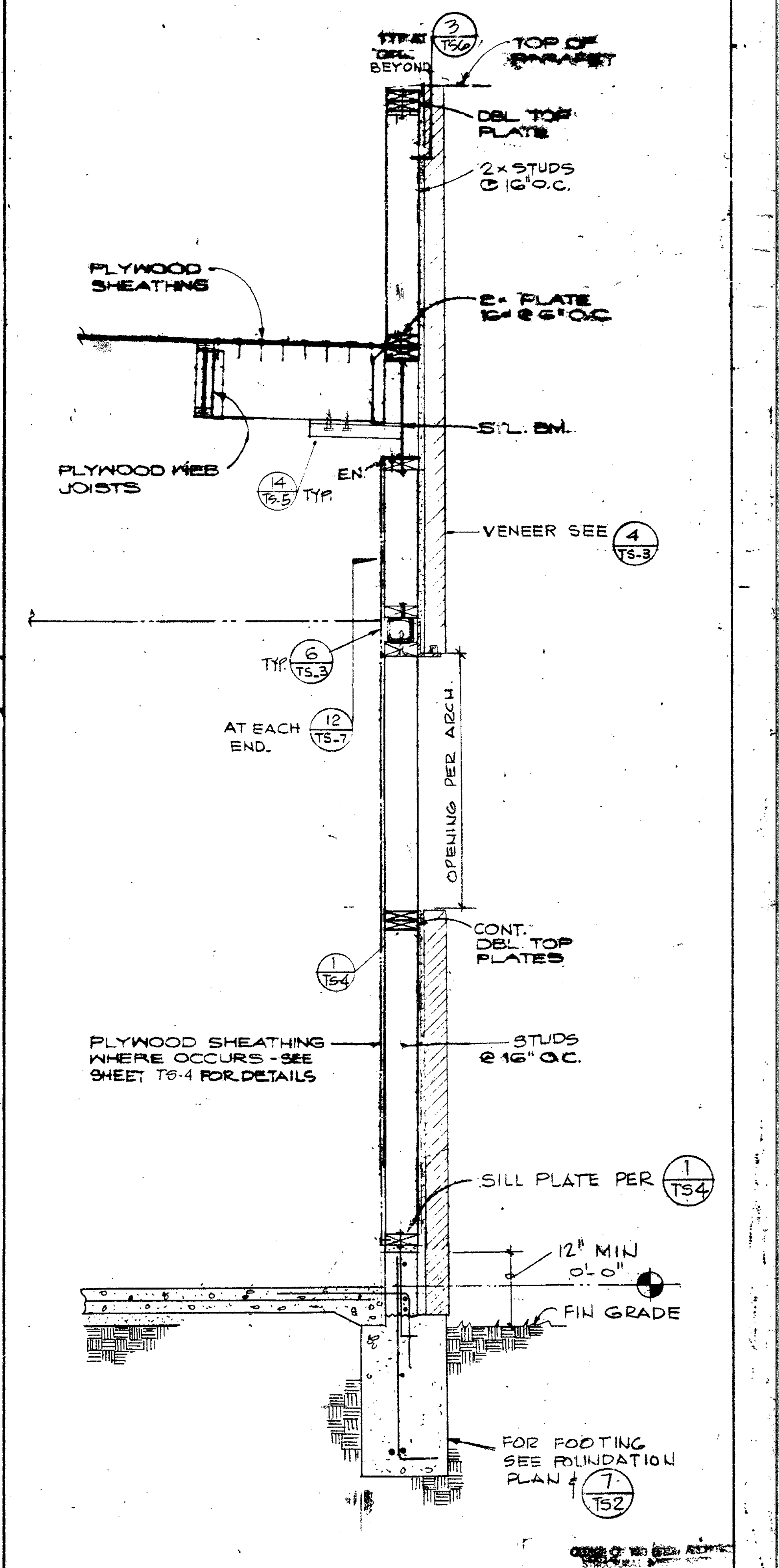
   A. SNAP CHALK LINE ACROSS JOISTS AT 4 FEET INTERVALS TO ACT AS GUIDE FOR EDGE ALIGNMENT OF PLYWOOD PANELS AND AS A BOUNDARY FOR SPREADING GLUE.
   B. SPEAD ONLY ENOUGH GLUE TO LAY ONE OR TWO PANELS AT A TIME OR FOLLOW SPECIFIC RECOMMENDATIONS OF GLUE MANUFACTURER. INSURE THAT CONTACT SURFACES ARE FREE OF DIRT, DUST, STANDING WATER OR OTHER DELETERIOUS MATTER.
   C. APPLY A BEAD OF GLUE ABOUT 1/4 INCH IN DIAMETER TO ALL CONTACT/BEARING SURFACES. ON WIDE AREAS APPLY GLUE IN SERPENTINE PATTERN.
   D. APPLY TWO BEADS OF GLUE ON JOISTS WHERE PANEL ENDS BUTT.
   E. APPLY GLUE PROGRESSIVELY TO BUTTING EDGES OF PANELS AND INTO THE GROOVED EDGES OF TONGUE AND GROOVE PANELS AS WORK PROCEEDS.
   F. COMPLETE NAILING OF EACH PANEL BEFORE GLUE SETS.

7. MACHINE APPLIED NAILING: THE CONTRACTOR WILL DEMONSTRATE SATISFACTORY INSTALLATION ON THE JOB AND OBTAIN THE ACCEPTANCE OF THE FIELD REPRESENTATIVE OF O.S.A. AND THE ARCHITECT AND/OR STRUCTURAL ENGINEER BEFORE THE USE OF MACHINE APPLIED NAILS CAN BE APPROVED. APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. REMOVE ALL "SHINERS".

FLOOR SHEATHING NOTES AND DETAILS 6


℄ OF COL & DOUBLE PLATE SPLICE WHERE OCCURS
4½" 4½"
MITER TOP PLATES AT CORNER
5/8"φ CARRIAGE BOLT
2-2x6 MIN. TOP PLATES-CONT. BETWEEN COLUMNS
AT END OF PARAPET WALL
COL. CAP PL. 3/8" THICK x SAME WIDTH AS TOP PLATE
3/16
AT 6" STUDS
AT 10" STUDS
AT INTERSECTION
12/TS-4
TOP OF SHEATHING
TYPICAL CAP PL.
END OF WALL
4½" 4½"
WALL
℄ WALL
4/TS-6
AT SKEWED CORNERS
9"
AT CORNER

DETAIL AT COLUMNS 3


STIFF. PL. CONT. BEYOND
3/TS-6
TOP OF PARAPET
DBL. TOP PLATE
2x STUDS @ 16" O.C.
PLYWOOD SHEATHING
2x PLATE 16d @ 6" O.C.
STL. BM.
PLYWOOD WEB JOISTS
EN
14/TS-5 TYP.
VENEER SEE 4/TS-3
TYP. 6/TS-3
AT EACH END. 12/TS-7
OPENING PER ARCH
CONT. DBL. TOP PLATES
1/TS4
PLYWOOD SHEATHING WHERE OCCURS-SEE SHEET TS-4 FOR DETAILS
STUDS @ 16" O.C.
SILL PLATE PER 1/TS4
12" MIN.
0'-0"
FIN. GRADE
FOR FOOTING SEE FOUNDATION PLAN & 7/TS2

(WHERE NO OVERHANG OCCURS)

A 4 9 27 5 JUN

M. C.

EXTERIOR WALL SECTION 1

Drawn By MN
Checked By SRU
Date MAR 1988
Commission No 130.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers

MAMORU E. KANDA
No. 956
EXP. 12-31-88

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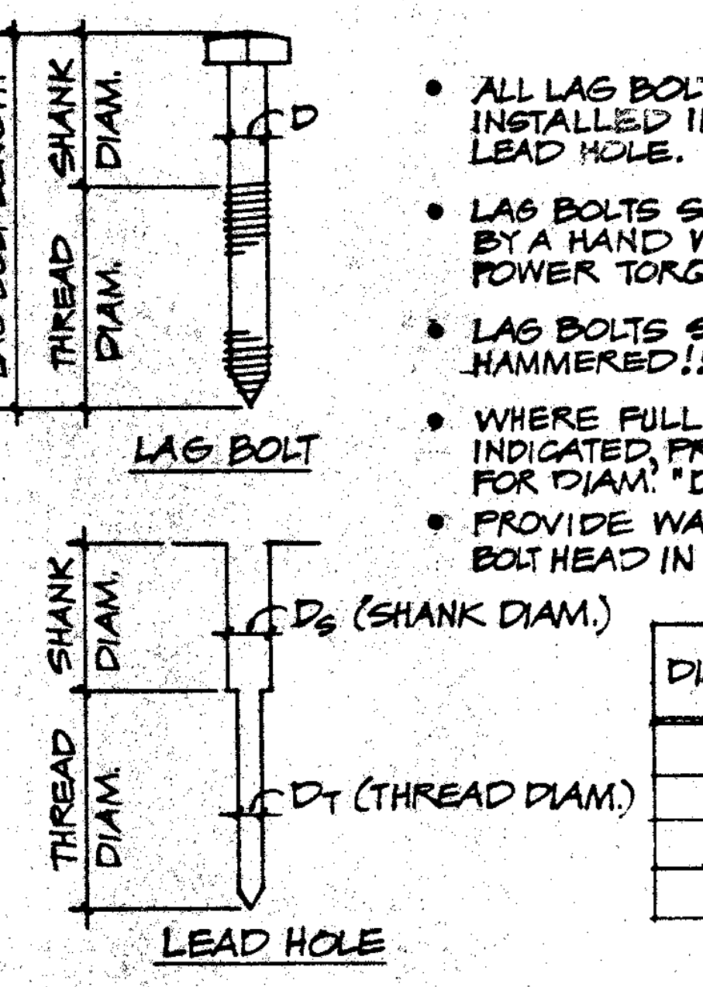
619/438-5899

ARCHITECT
C-6497

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

TYPICAL SECTIONS AND DETAILS

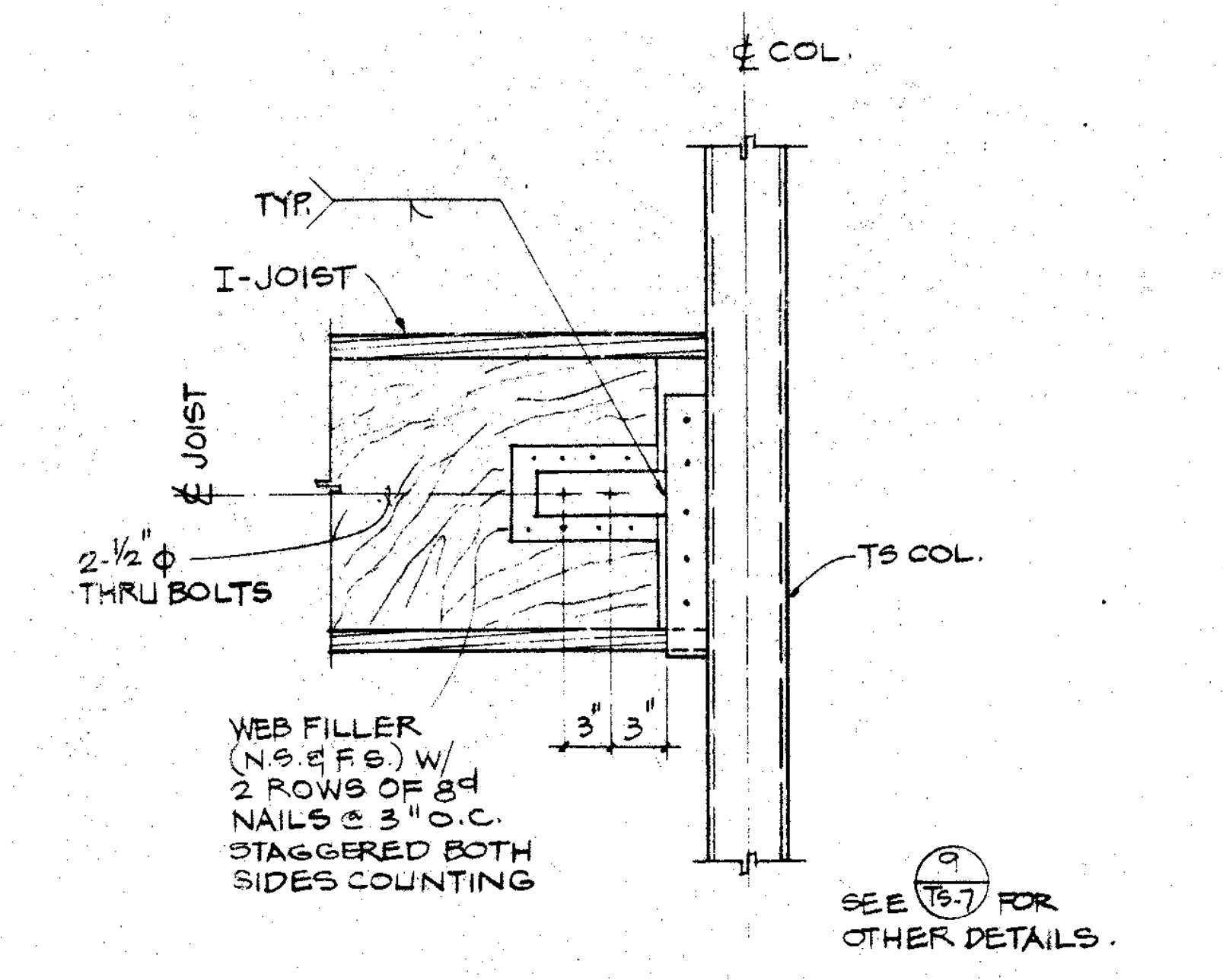
Sheet Number
TS-6
Of Sheets


LAG BOLT LENGTH
SHANK DIAM.
THREAD DIAM.
D
LAG BOLT
SHANK DIAM.
THREAD DIAM.
Ds (SHANK DIAM.)
DT (THREAD DIAM.)
LEAD HOLE

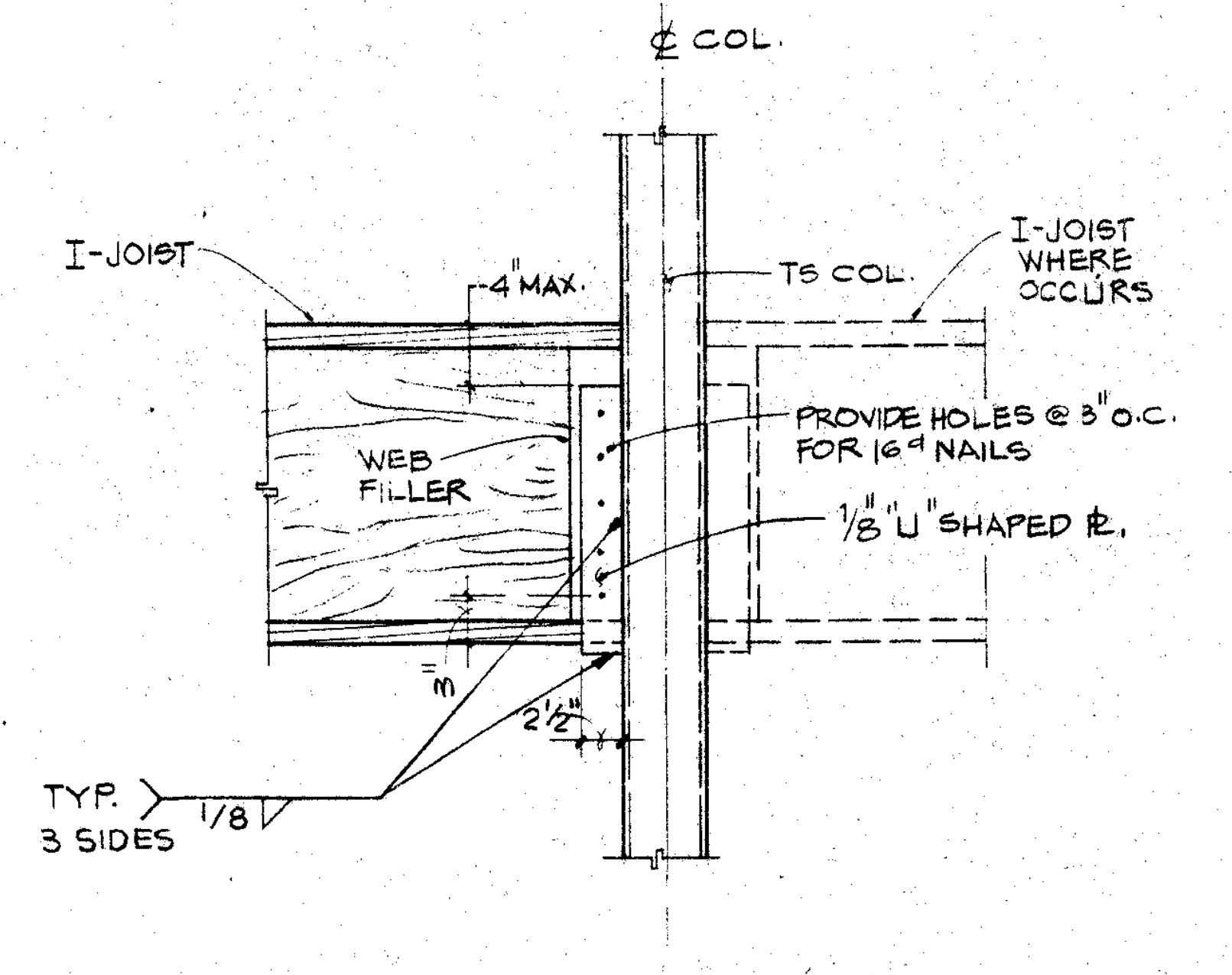
- ALL LAG BOLTS SHALL BE INSTALLED IN PRE-DRILLED LEAD HOLE.
- LAG BOLTS SHALL BE TURNED BY A HAND WRENCH OR BY A POWER TORQUE WRENCH.
- LAG BOLTS SHALL NOT BE HAMMERED!!
- WHERE FULL THREAD BOLTS ARE INDICATED, PROVIDE LEAD HOLE FOR DIAM. "DT" FOR FULL DEPTH.
- PROVIDE WASHER UNDER HEAD FOR BOLT HEAD IN CONTACT WITH WOOD.

DIAM. "D"	LEAD HOLE	
	Ds	DT
1/2"ϕ	1/2"ϕ	5/16"ϕ
5/8"ϕ	5/8"ϕ	7/16"ϕ
3/4"ϕ	3/4"ϕ	1/2"ϕ

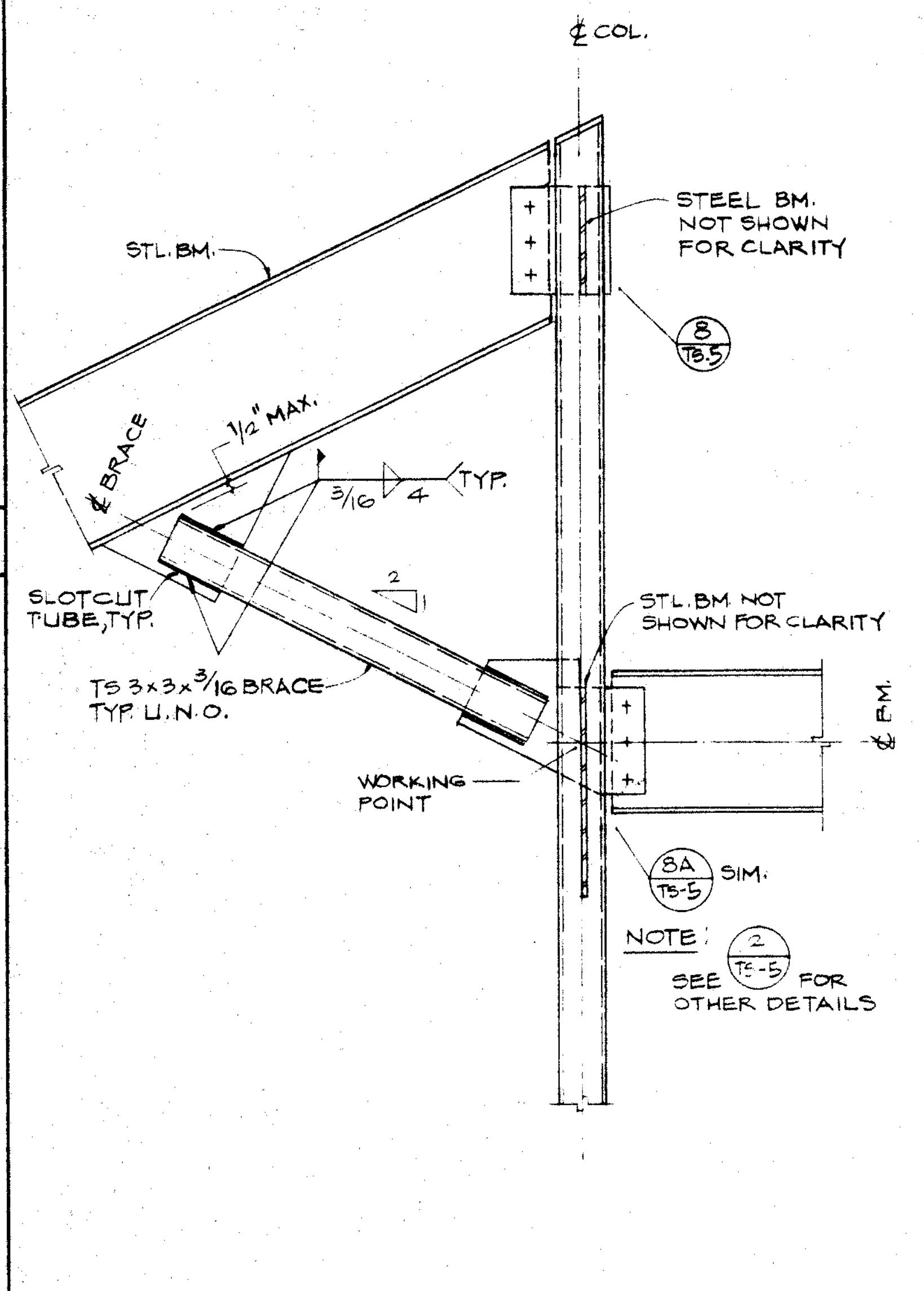
LAG SCREW DETAIL 15


℄ COL.
TYP.
I-JOIST
℄ JOIST
2-1/2"ϕ THRU BOLTS
TS COL.
WEB FILLER (N.S. & F.S.) W/ 2 ROWS OF 8d NAILS @ 3" O.C. STAGGERED BOTH SIDES COUNTING
3" 3"
SEE 9/TS-7 FOR OTHER DETAILS.

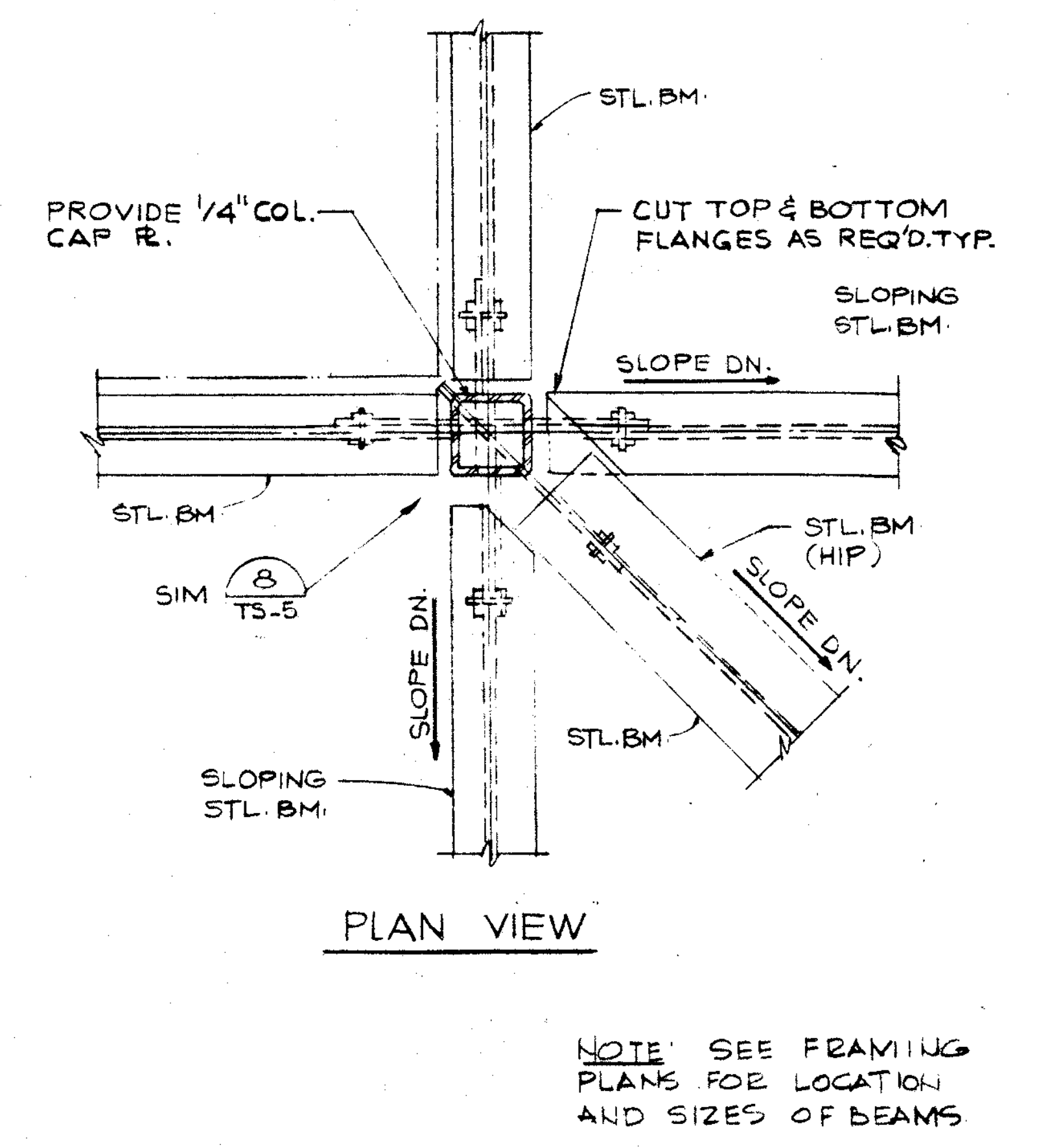
JOIST AT STL. COLUMN 1" 13


℄ COL.
I-JOIST
4" MAX.
TS COL.
I-JOIST WHERE OCCURS
WEB FILLER
PROVIDE HOLES @ 3" O.C. FOR 16d NAILS
1/8" "U" SHAPED ℞.
2 1/2"
TYP. 3 SIDES 1/8

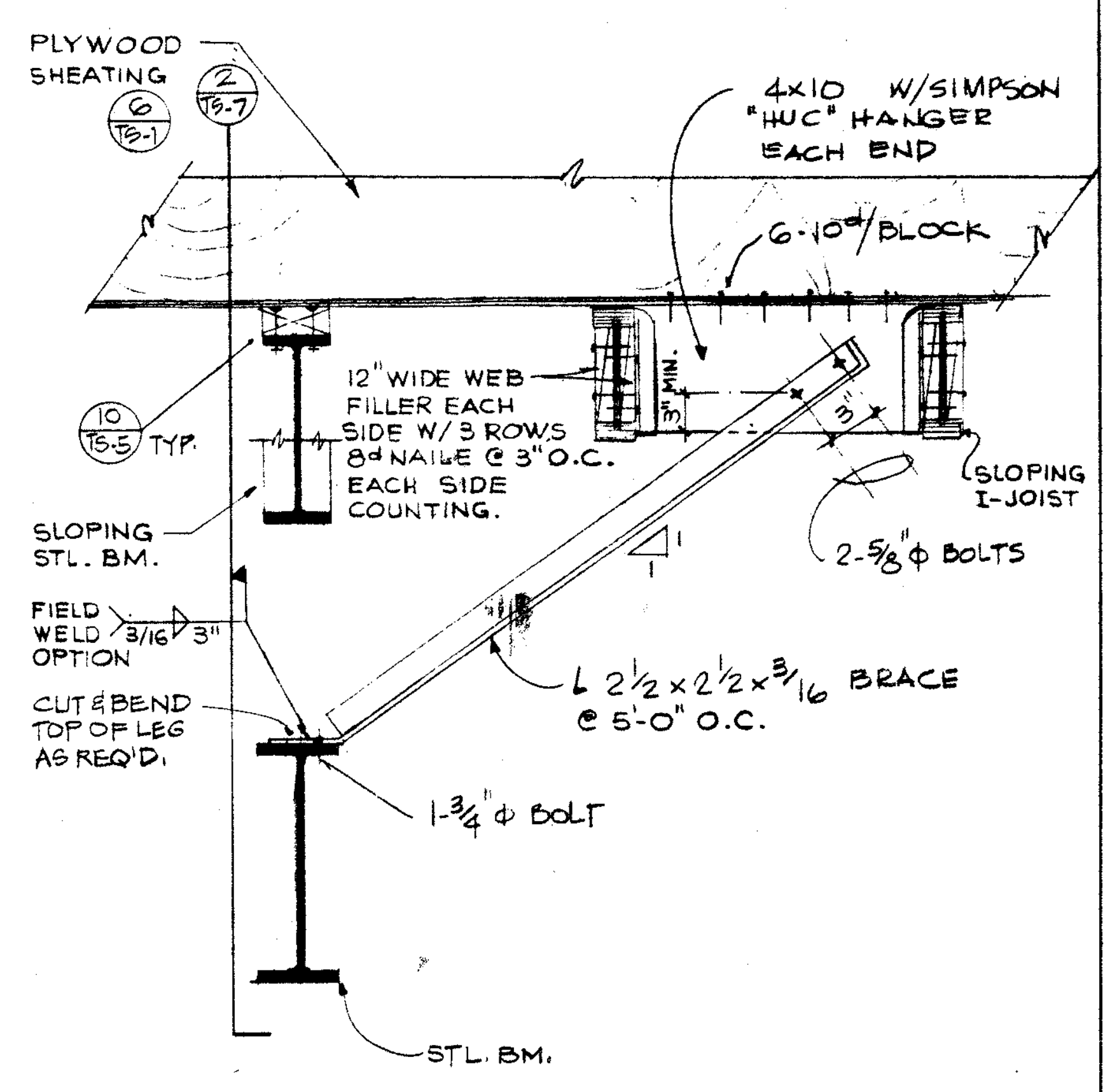
JOIST AT STL. COL. 1" 9


℄ COL.
STL. BM.
STEEL BM. NOT SHOWN FOR CLARITY
8/TS-5
℄ BRACE
1/2" MAX.
3/16 4 TYP.
2 1
SLOTCUT TUBE, TYP.
TS 3x3x3/16 BRACE TYP. U.N.O.
STL. BM. NOT SHOWN FOR CLARITY
℄ BM.
WORKING POINT
8A/TS-5 SIM.
NOTE: SEE 2/TS-5 FOR OTHER DETAILS

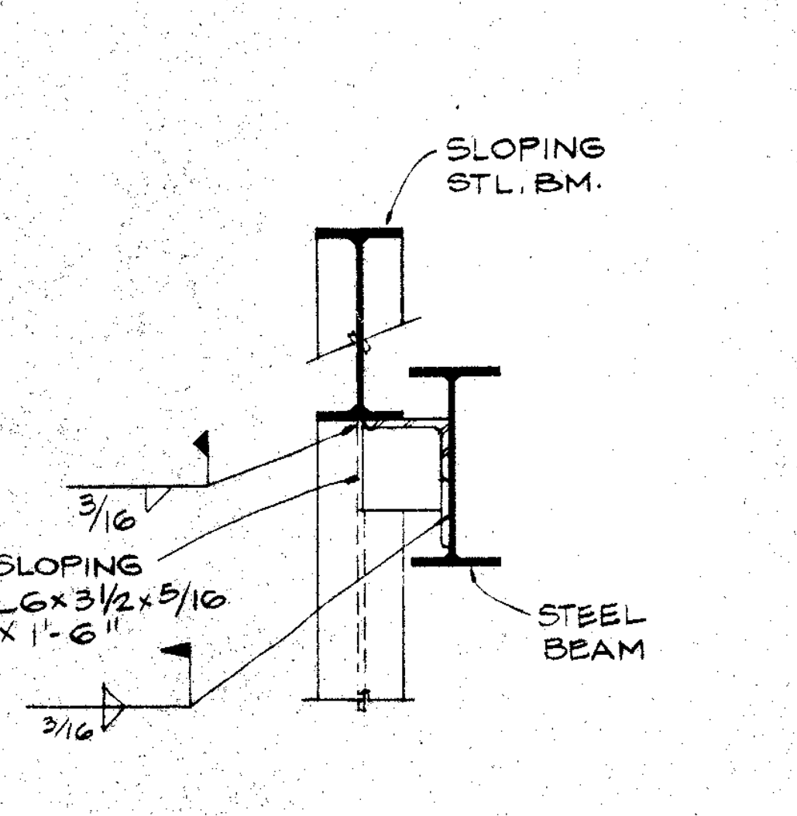
BRACE DETAIL 1" 7


STL. BM.
PROVIDE 1/4" COL. CAP ℞.
CUT TOP & BOTTOM FLANGES AS REQ'D. TYP.
SLOPING STL. BM.
SLOPE DN.
STL. BM
SIM 8/TS-5
STL. BM (HIP)
SLOPE DN.
SLOPE DN.
STL. BM
SLOPING STL. BM.
PLAN VIEW
NOTE: SEE FRAMING PLANS FOR LOCATION AND SIZES OF BEAMS

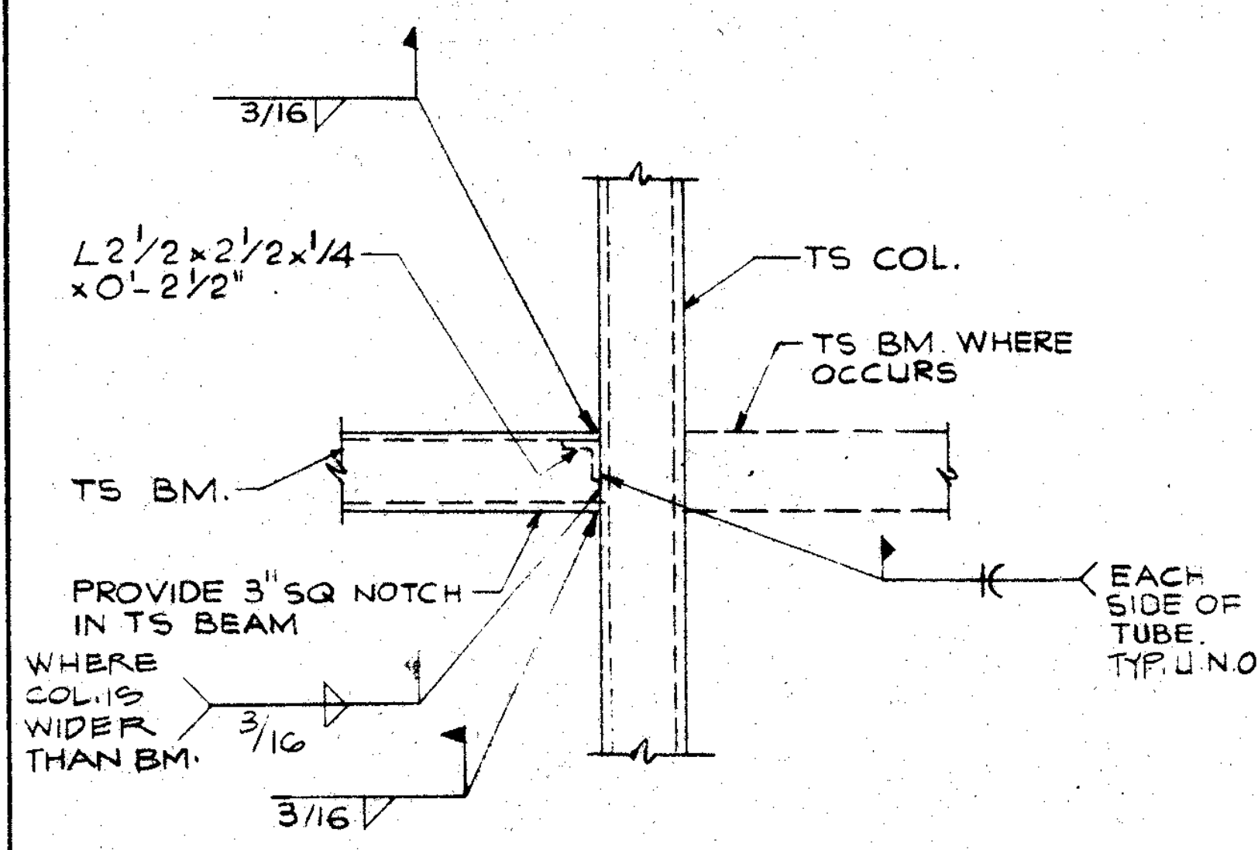
PLAN CONNECTION DET. SCALE 1 1/2"=1'-0" 4


PLYWOOD SHEATING 6/TS-1 2/TS-7
4x10 W/SIMPSON "HUC" HANGER EACH END
6-10d/BLOCK
10/TS-5 TYP.
12" WIDE WEB FILLER EACH SIDE W/ 3 ROWS 8d NAILS @ 3" O.C. EACH SIDE COUNTING.
3" MIN.
3"
SLOPING I-JOIST
2-5/8"ϕ BOLTS
SLOPING STL. BM.
1 1
FIELD WELD OPTION 3/16 3"
L 2 1/2x2 1/2x3/16 BRACE @ 5'-0" O.C.
CUT & BEND TOP OF LEG AS REQ'D.
1-3/4"ϕ BOLT
STL. BM.

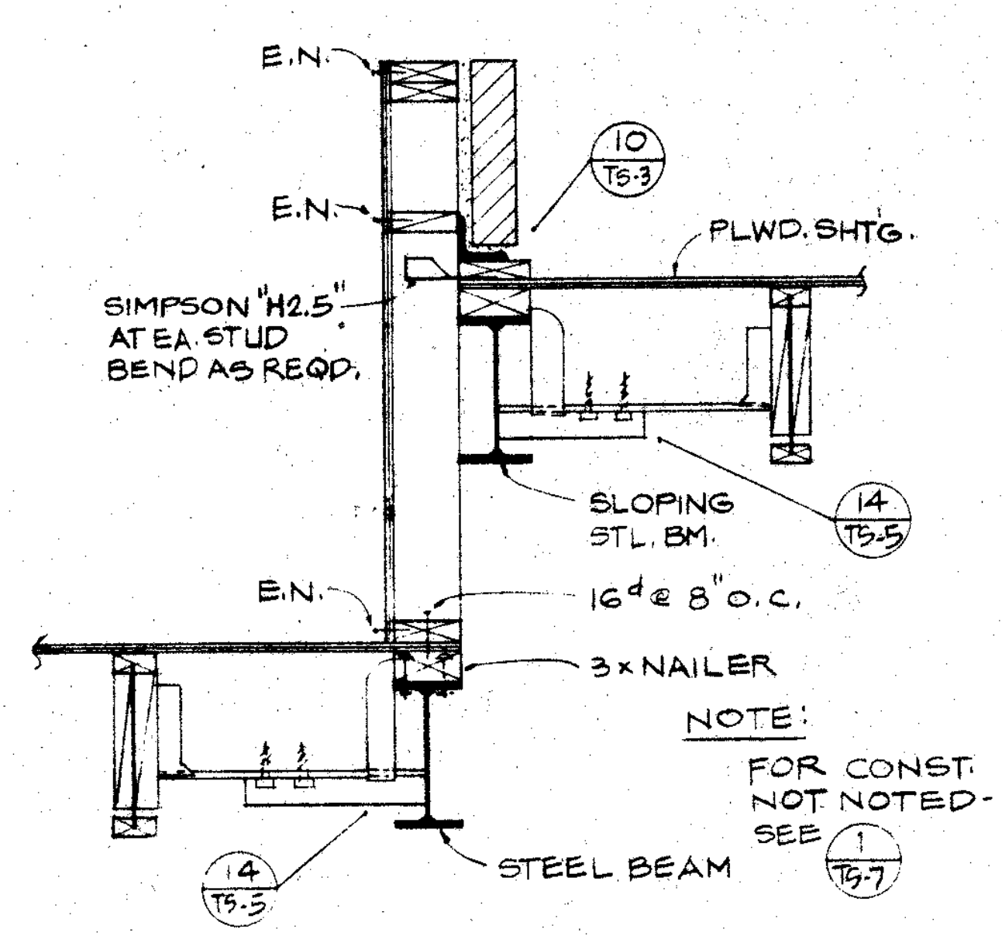
BRACE DETAIL SCALE 1"=1'-0" 3


SLOPING STL. BM.
3/16
SLOPING L6x3 1/2x5/16 x 1'-6"
STEEL BEAM
3/16

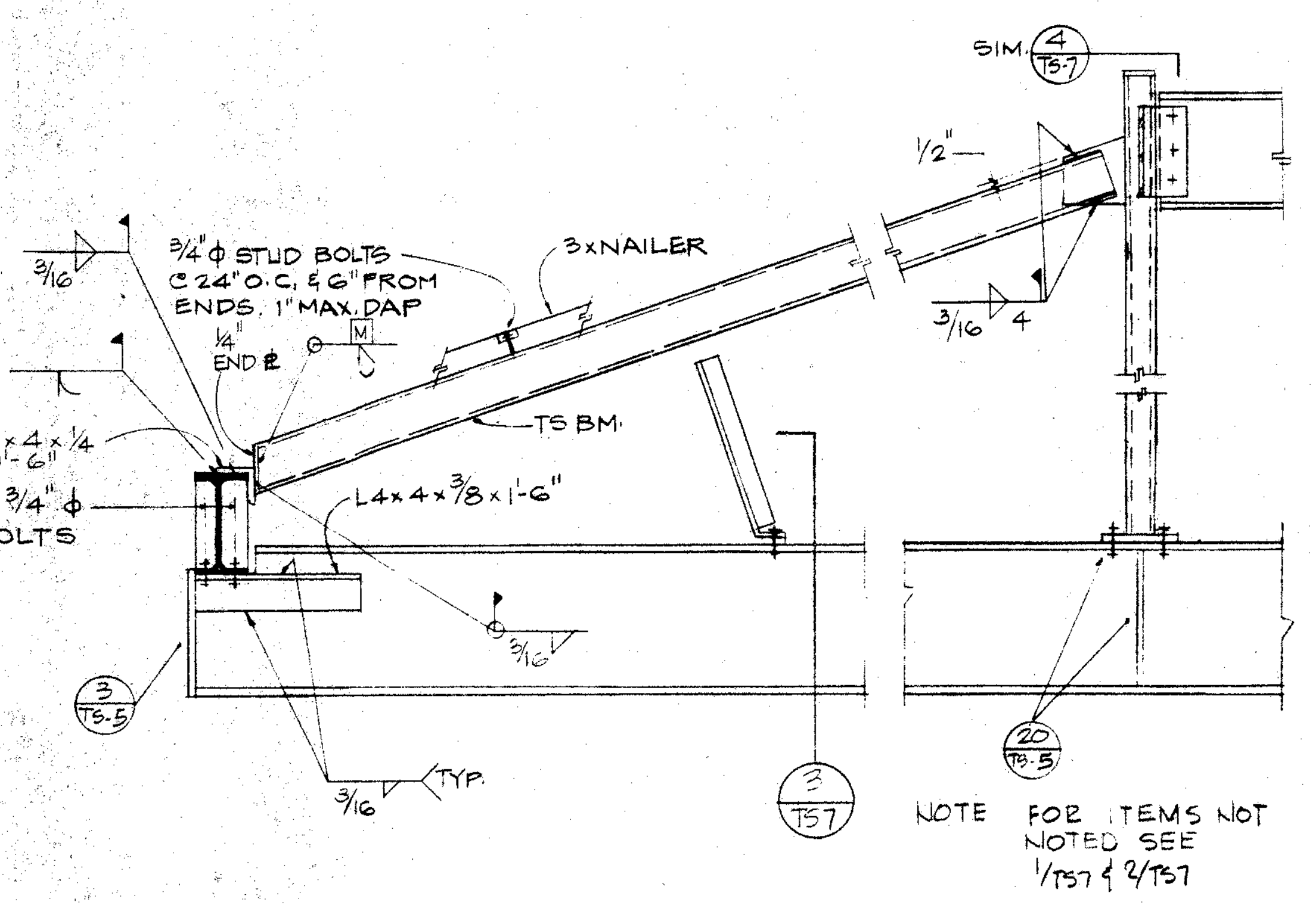
DETAIL 14


3/16
L2 1/2x2 1/2x1/4 x0'-2 1/2"
TS COL.
TS BM. WHERE OCCURS
TS BM.
EACH SIDE OF TUBE. TYP. U.N.O.
PROVIDE 3" SQ NOTCH IN TS BEAM WHERE COL. IS WIDER THAN BM.
3/16
3/16

DETAIL 1" 12


E.N.
E.N.
10/TS-3
PLWD. SHTG.
SIMPSON "H2.5" AT EA. STUD BEND AS REQD.
SLOPING STL. BM.
14/TS-5
E.N.
16d @ 8" O.C.
3x NAILER
NOTE: FOR CONST. NOT NOTED- SEE 1/TS-7
14/TS-5
STEEL BEAM

SECTION 3/4" 8


SIM. 4/TS-7
1/2"
3/16
3/4"ϕ STUD BOLTS @ 24" O.C. & 6" FROM ENDS. 1" MAX. DAP
3x NAILER
1/4" END ℞
M
3/16 4
TS BM.
L4x4x1/4 x 0'-6"
4-3/4"ϕ BOLTS
L4x4x3/8x1'-6"
3/16
3/TS-5
3/16 TYP.
3/TS7
20/TS-5

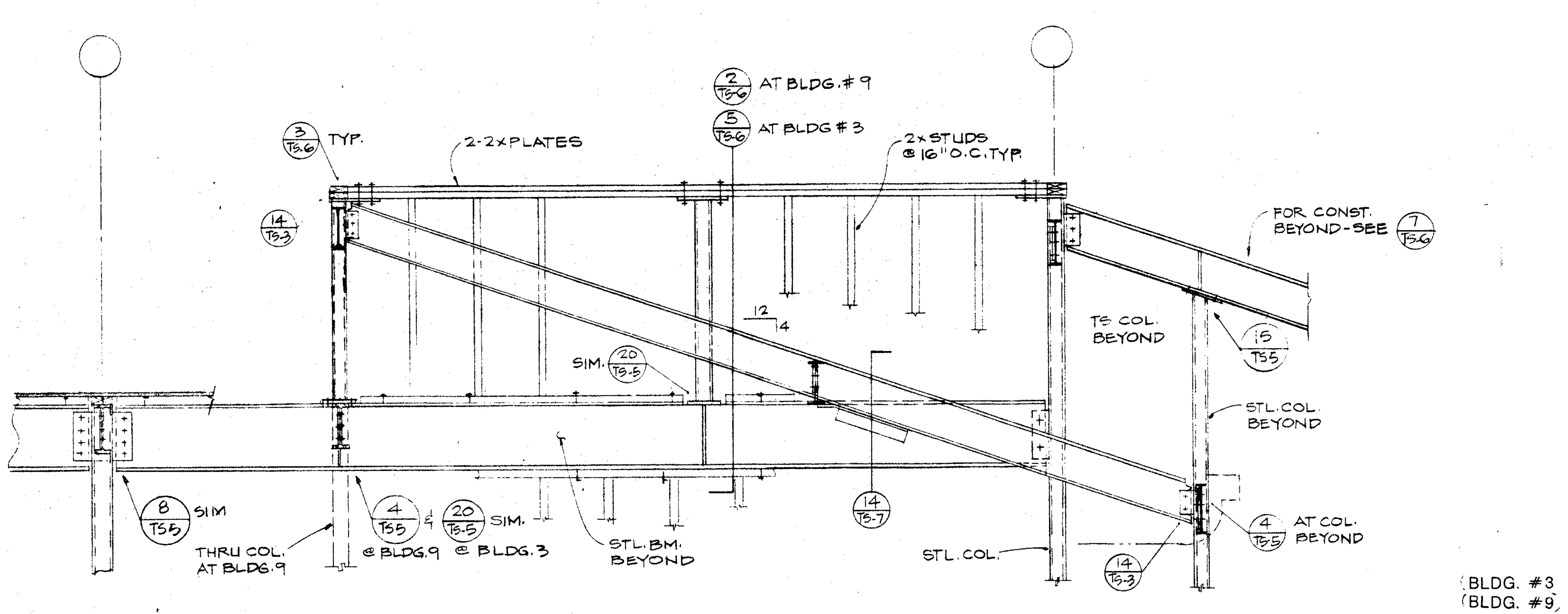
NOTE FOR ITEMS NOT NOTED SEE 1/TS7 & 2/TS7

(N.I.C.)

(BLDG. #6)

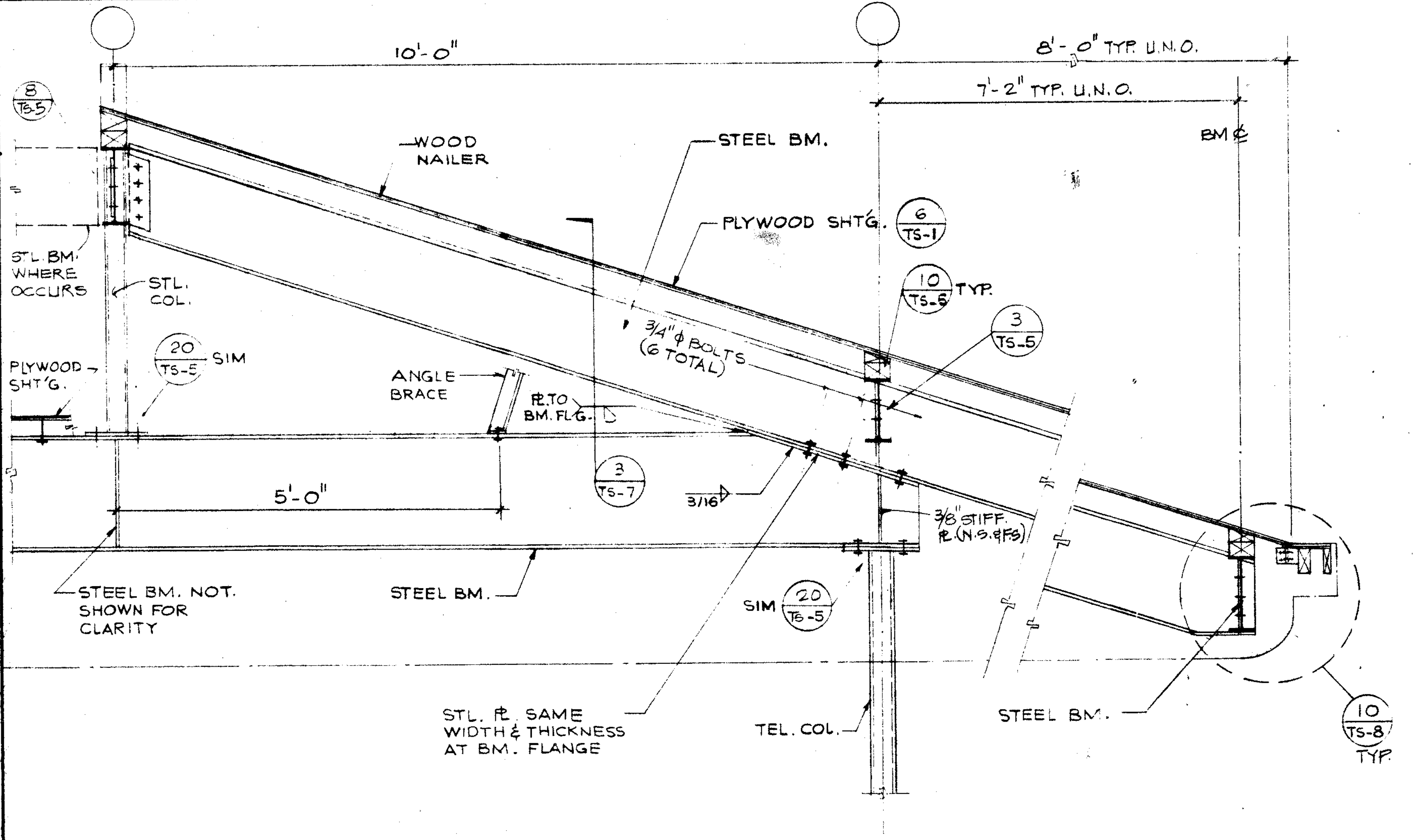
DETAIL SCALE 3/4"=1'-0" 11

(N.I.C.)

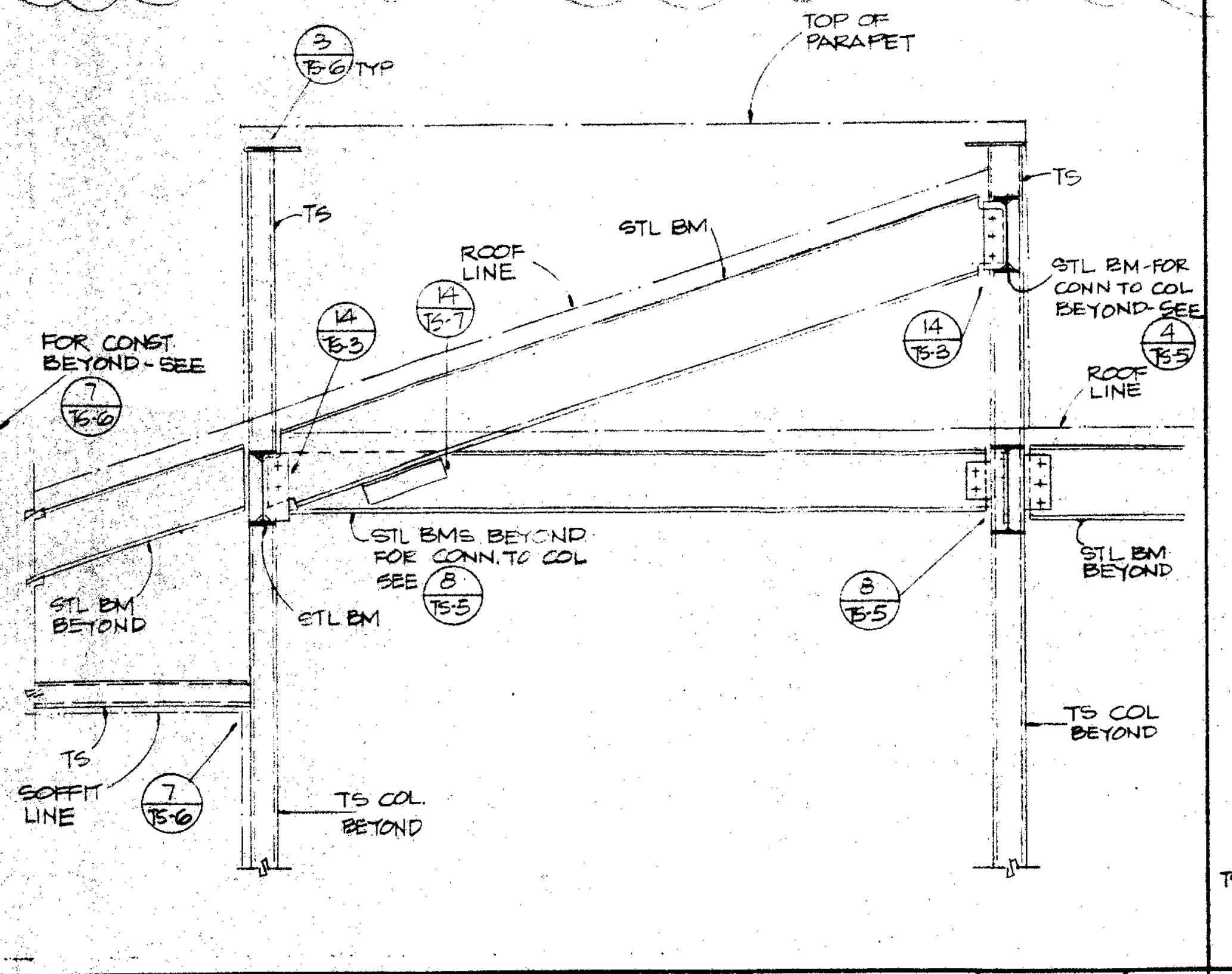

2/TS-6 AT BLDG. #9
5/TS-6 AT BLDG #3
3/TS-6 TYP.
2-2x PLATES
2x STUDS @ 16" O.C. TYP.
14/TS-3
FOR CONST. BEYOND - SEE 7/TS-6
12 4
TS COL. BEYOND
15/TS5
SIM. 20/TS-5
STL. COL. BEYOND
8/TS5 SIM
THRU COL. AT BLDG. 9
4/TS5 & 20/TS-5 SIM.
@ BLDG. 9 @ BLDG. 3
STL. BM. BEYOND
14/TS-7
STL. COL.
14/TS-3
4/TS5 AT COL. BEYOND

(BLDG. #3
(BLDG. #9

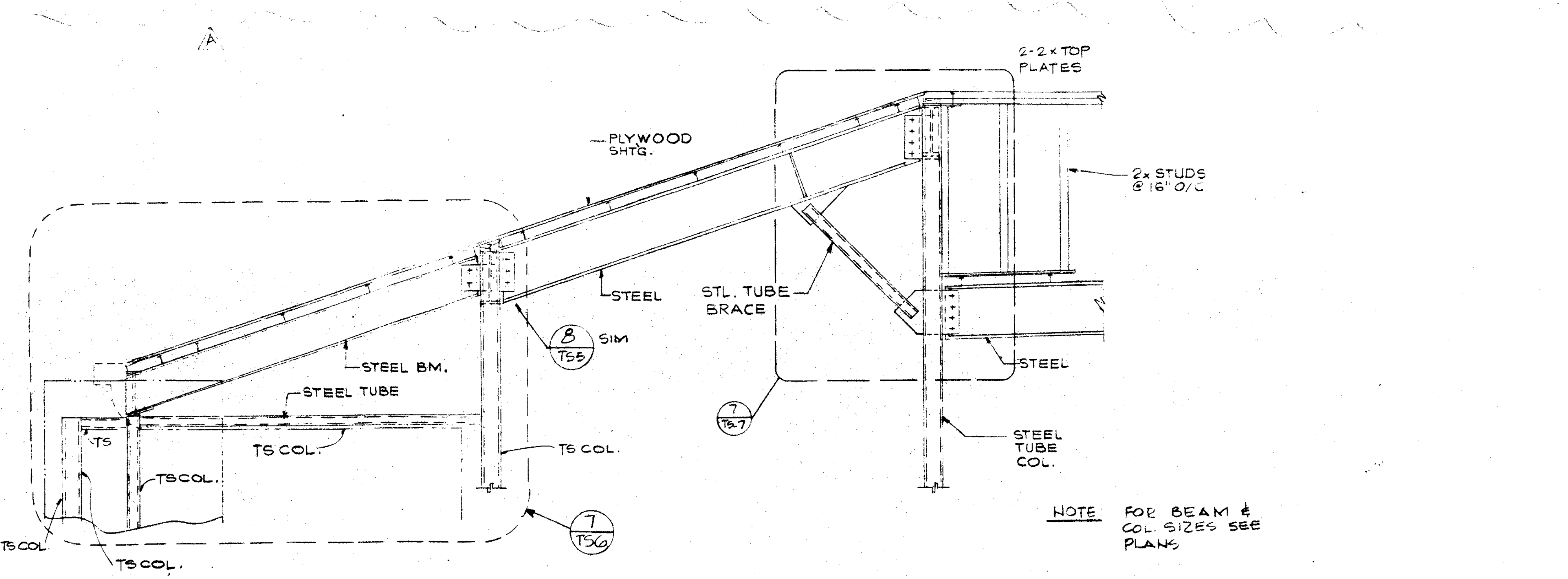
FRAMING ELEVATION SCALE 1/2"=1'-0" 6


10'-0"
8'-0" TYP. U.N.O.
7'-2" TYP. U.N.O.
BM ℄
8/TS-5
WOOD NAILER
STEEL BM.
PLYWOOD SHT'G. 6/TS-1
STL. BM. WHERE OCCURS
STL. COL.
10/TS-5 TYP.
3/TS-5
3/4"ϕ BOLTS (6 TOTAL)
PLYWOOD SHT'G.
20/TS-5 SIM
ANGLE BRACE
℞ TO BM. FLG.
3/TS-7
3/16
5'-0"
3/8" STIFF. ℞ (N.S. & F.S.)
STEEL BM. NOT SHOWN FOR CLARITY
STEEL BM.
SIM 20/TS-5
STL. ℞ SAME WIDTH & THICKNESS AT BM. FLANGE
TEL. COL.
STEEL BM.
10/TS-8 TYP.

FRAMING OF MANSARD ROOF SCALE 3/4"=1'-0" 2

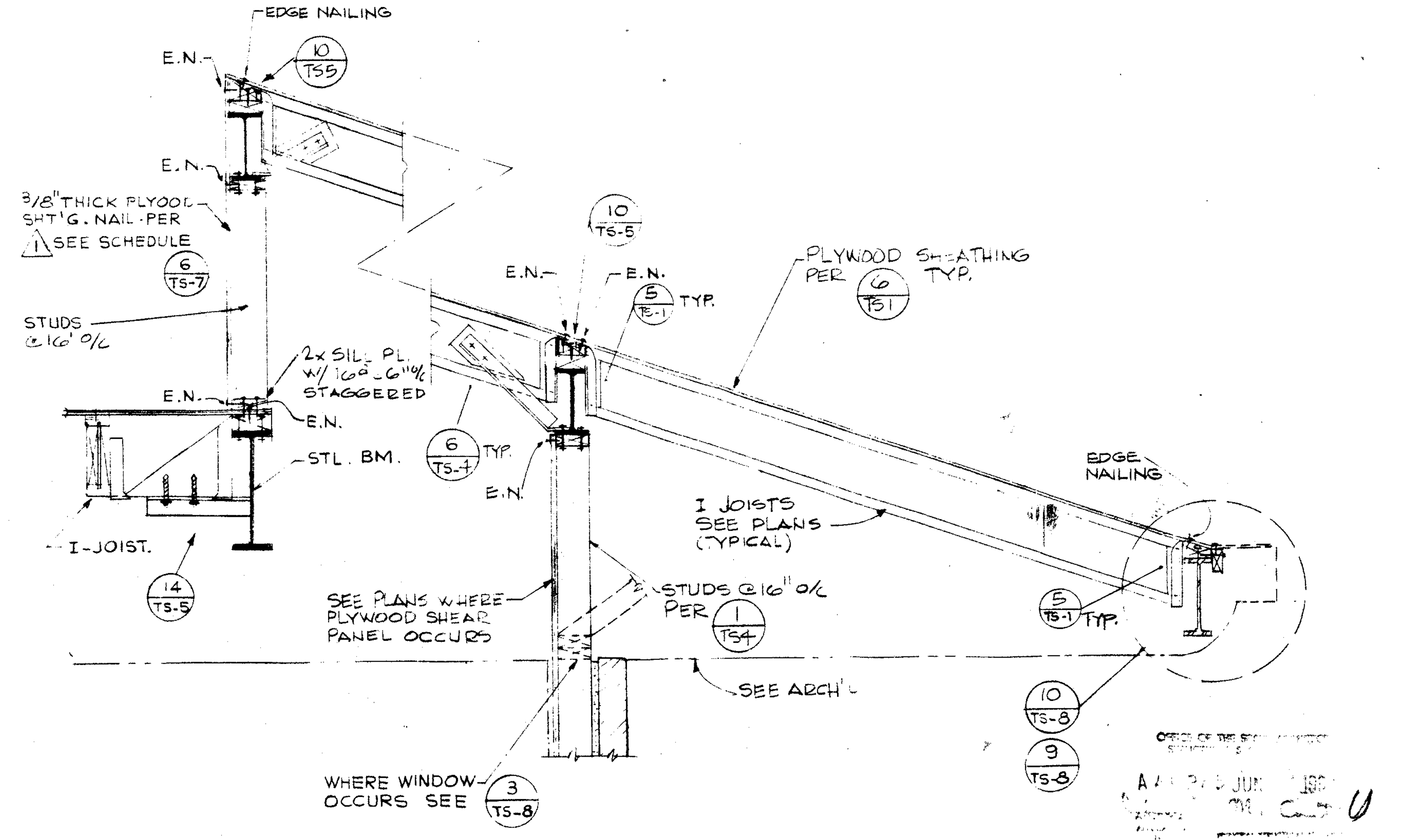

3/TS-6 TYP
TOP OF PARAPET
TS
TS
STL BM
ROOF LINE
14/TS-7
14/TS-3
STL BM-FOR CONN TO COL BEYOND-SEE 4/TS-5
14/TS-3
FOR CONST. BEYOND - SEE 7/TS-6
ROOF LINE
STL BMS BEYOND FOR CONN. TO COL SEE 8/TS-5
STL BM BEYOND
STL BM BEYOND
STL BM
8/TS-5
TS
SOFFIT LINE
7/TS-6
TS COL. BEYOND
TS COL BEYOND

FRAMING DETAIL SCALE 1/2"=1'-0" 10


2-2x TOP PLATES
PLYWOOD SHTG.
2x STUDS @ 16" O/C
STEEL
STL. TUBE BRACE
8/TS5 SIM
STEEL BM.
STEEL TUBE
STEEL
TS
TS COL.
TS COL.
TS COL.
7/TS-7
STEEL TUBE COL.
TS COL.
TS COL.
7/TS6

NOTE FOR BEAM & COL. SIZES SEE PLANS

FRAMING ELEVATION AT END WALL SCALE 1/2"=1'-0" 5


EDGE NAILING
E.N.
10/TS5
E.N.
3/8" THICK PLYOOD SHT'G. NAIL PER 1 SEE SCHEDULE
6/TS-7
STUDS @ 16' O/C
10/TS-5
E.N.
E.N.
5/TS-1 TYP.
PLYWOOD SHEATHING PER 6/TS1 TYP.
2x SILL PL. W/ 16d @ 6" O/C STAGGERED
E.N.
E.N.
STL. BM.
6/TS-4 TYP.
E.N.
EDGE NAILING
I JOISTS SEE PLANS (TYPICAL)
I-JOIST.
14/TS-5
SEE PLANS WHERE PLYWOOD SHEAR PANEL OCCURS
STUDS @ 16" O/C PER 1/TS4
5/TS-1 TYP.
SEE ARCH'L
10/TS-8
9/TS-8
WHERE WINDOW OCCURS SEE 3/TS-8

SECTION AT MANSARD ROOF SCALE 3/4"=1'-0" 1

Drawn By	M.N
Checked By	SRU
Date	MAR 1988
Commission No.	1.30.02

Revisions
△A 6-29-88 PAGING

Brandow & Johnston Assoc.
Structural Engineers

No. 956
EXP. 12-31-88

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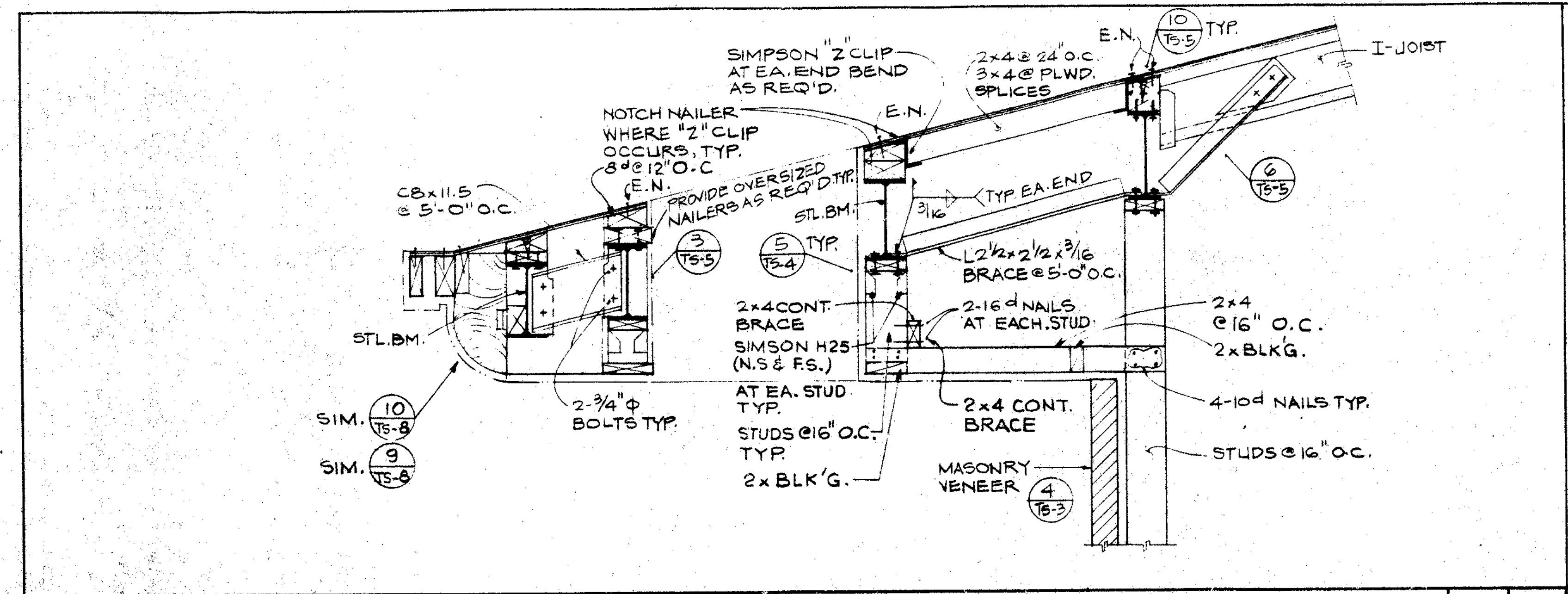
ARCHITECT
C-6497

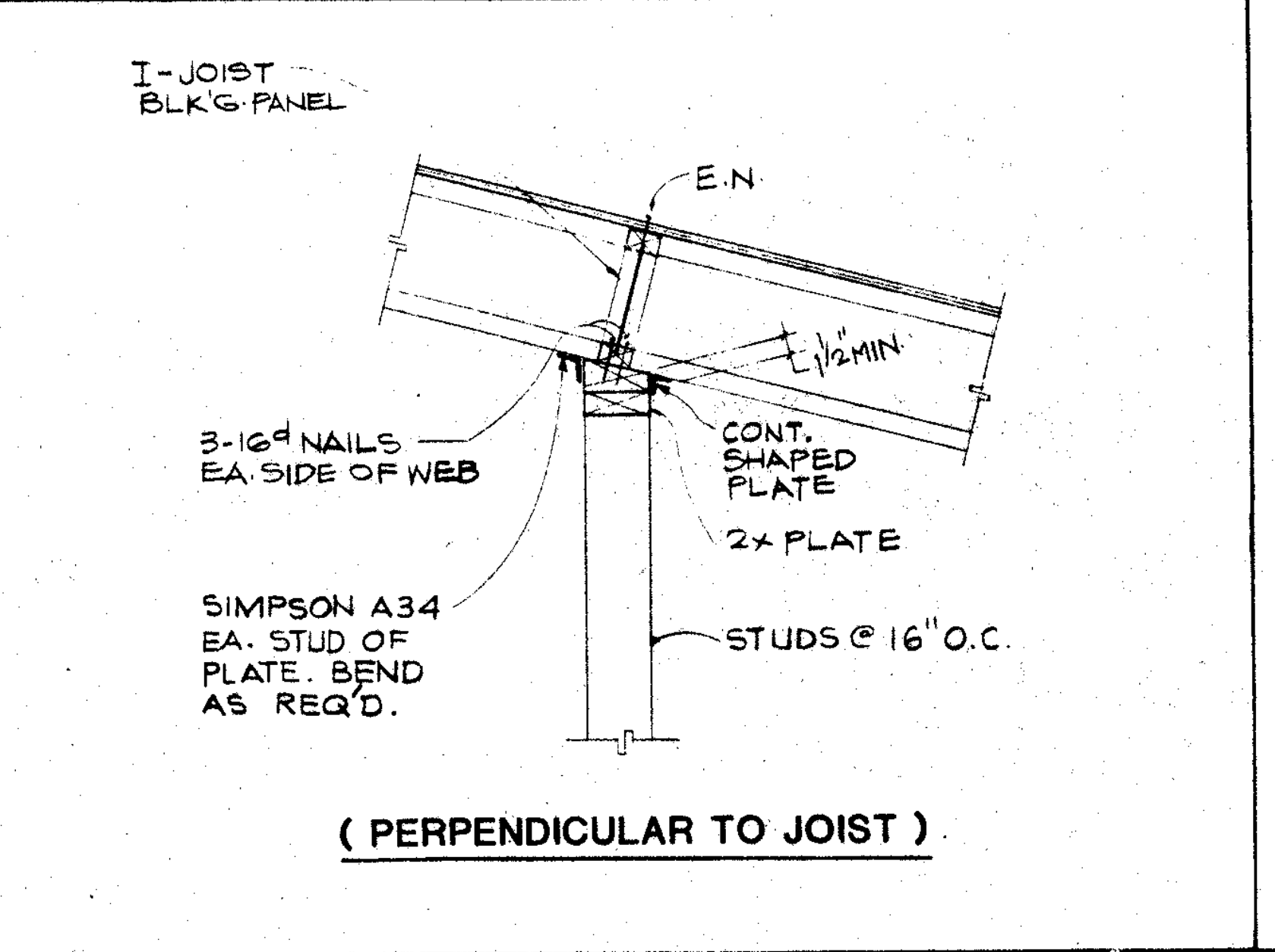
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

TYPICAL SECTIONS AND DETAILS

Sheet Number
TS7
Of Sheets

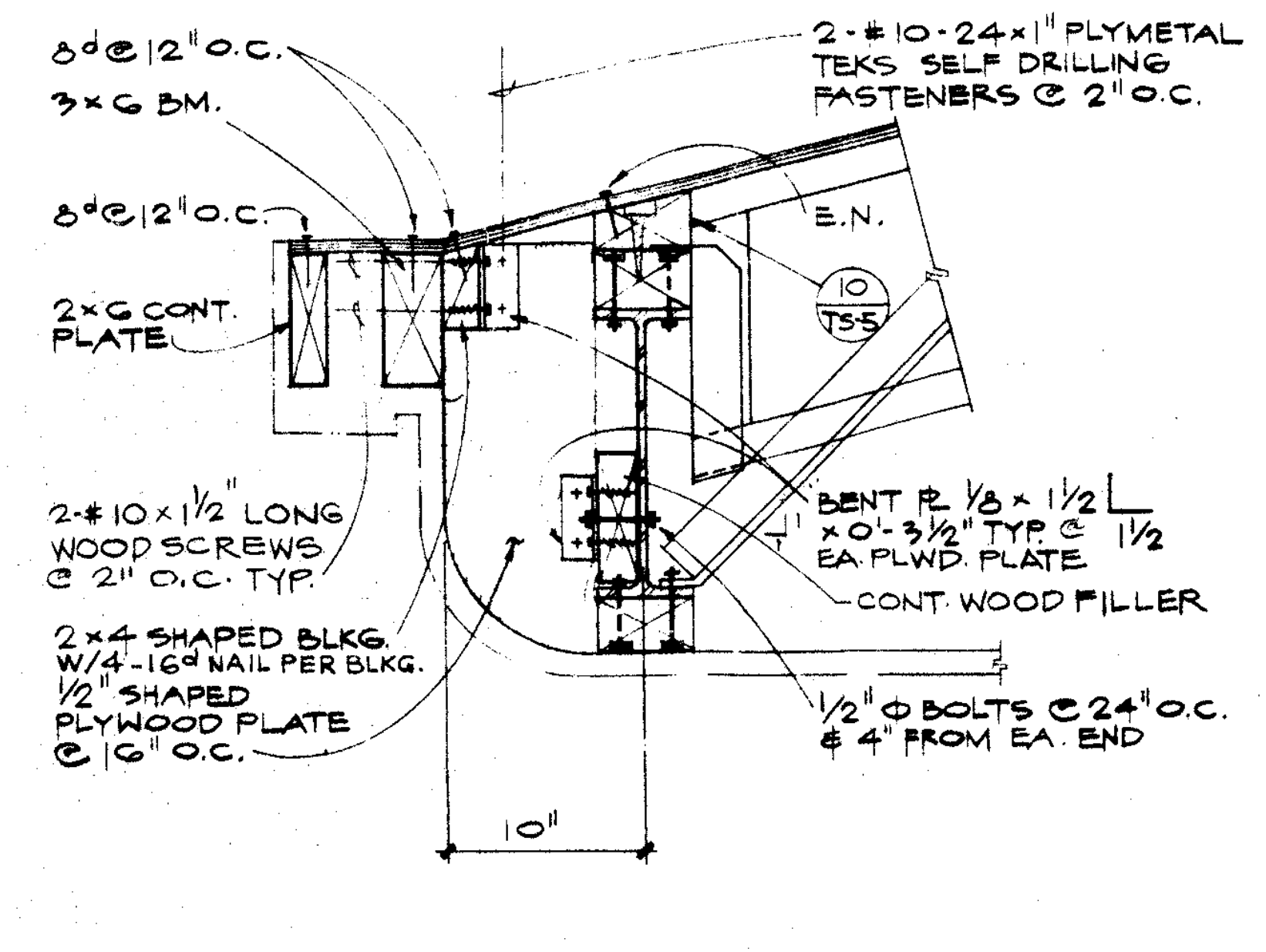

SIMPSON "Z" CLIP AT EA. END BEND AS REQ'D.
2×4 & 24" O.C. 3×4 @ PLWD. SPLICES
E.N.
10 TS-5 TYP.
I-JOIST
NOTCH NAILER WHERE "Z" CLIP OCCURS, TYP.
8d @ 12" O.C.
E.N.
PROVIDE OVERSIZED NAILERS AS REQ'D TYP.
C8×11.5 @ 5'-0" O.C.
STL. BM.
TYP EA. END
6 TS-5
5 TS-4 TYP.
L2½×2½×3/16 BRACE @ 5'-0" O.C.
2×4 CONT. BRACE
SIMSON H25 (N.S. & F.S.) AT EA. STUD TYP.
STUDS @ 16" O.C. TYP.
2×BLK'G.
2-16d NAILS AT EACH STUD
2×4 @ 16" O.C.
2×BLK'G.
2×4 CONT. BRACE
4-10d NAILS TYP.
STUDS @ 16" O.C.
MASONRY VENEER 4 TS-3
STL. BM.
2-¾" Φ BOLTS TYP.
SIM. 10 TS-5
SIM. 9 TS-5

SECTION 3/4" 20

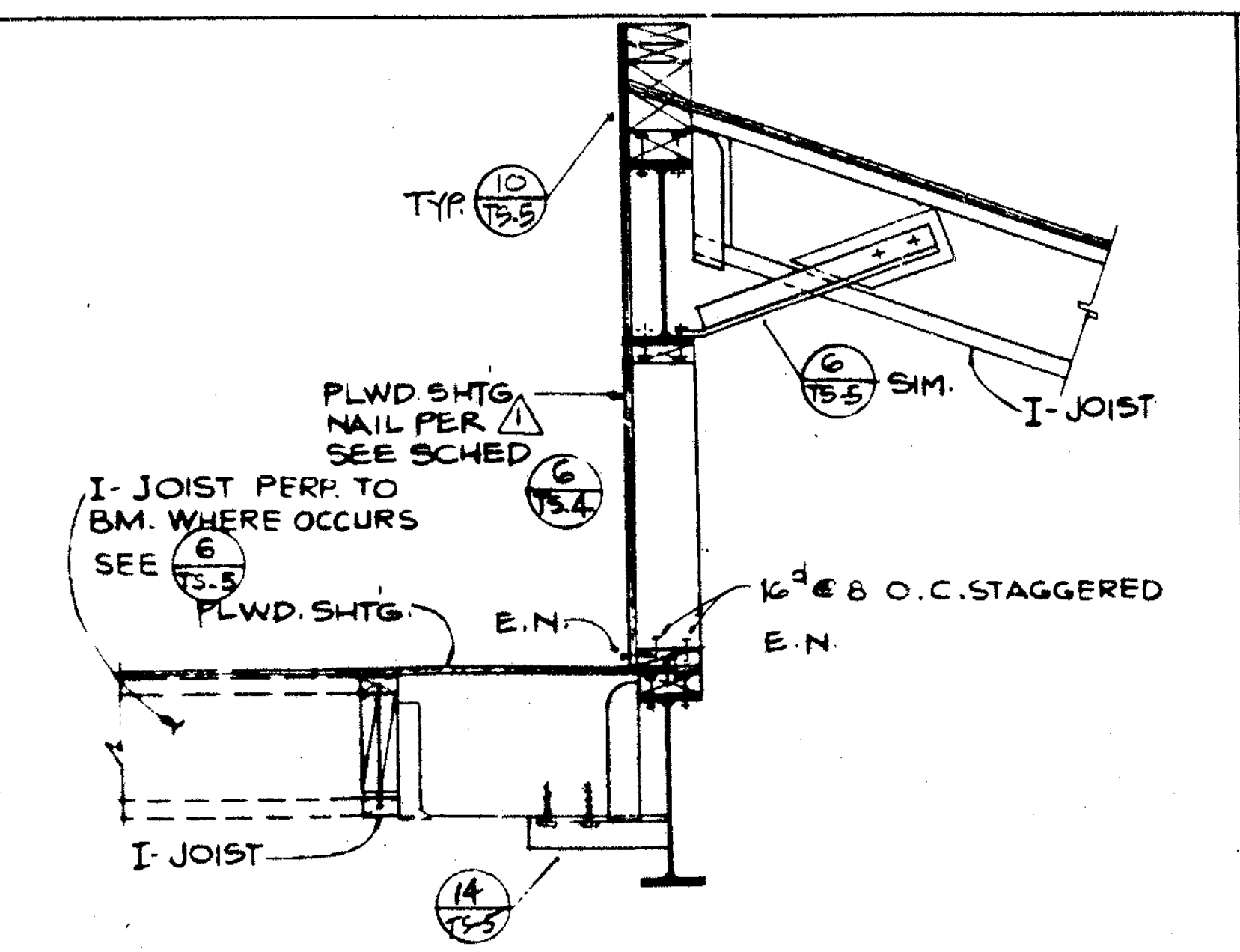

I-JOIST BLK'G PANEL
E.N.
1/2" MIN
3-16d NAILS EA. SIDE OF WEB
CONT. SHAPED PLATE
2× PLATE
SIMPSON A34 EA. STUD OF PLATE. BEND AS REQ'D.
STUDS @ 16" O.C.

(PERPENDICULAR TO JOIST)

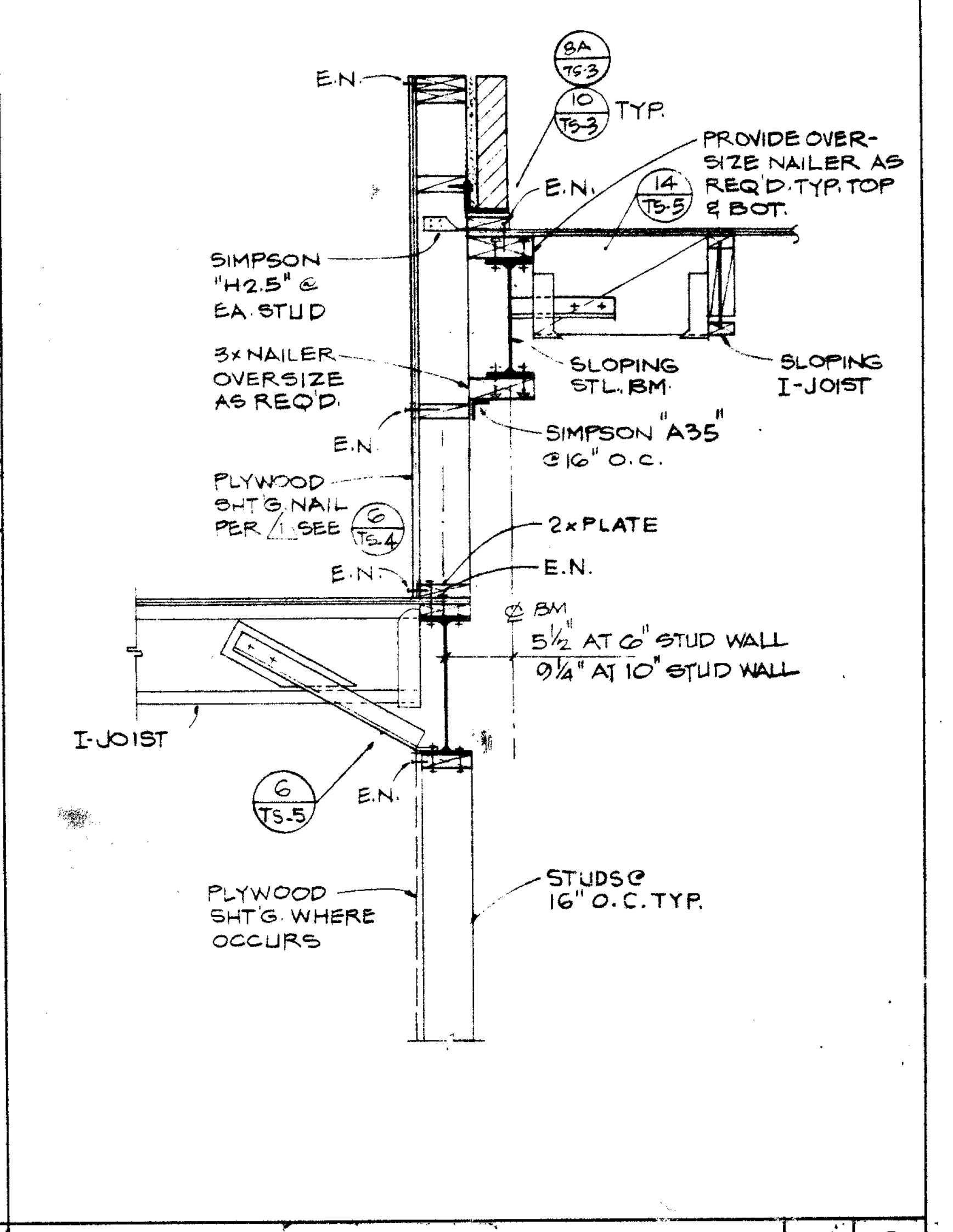
EXTERIOR WALL ANCHORAGE 3/4" 15


8d @ 12" O.C.
3×6 BM.
8d @ 12" O.C.
2-#10-24×1" PLYMETAL TEKS SELF DRILLING FASTENERS @ 2" O.C.
E.N.
10 TS-5
2×6 CONT. PLATE
2-#10×1½" LONG WOOD SCREWS @ 2" O.C. TYP.
2×4 SHAPED BLKG. W/4-16d NAIL PER BLKG.
½" SHAPED PLYWOOD PLATE @ 16" O.C.
BENT PL ⅛×1½ ×0'-3½" TYP @ 1½ EA. PLWD. PLATE
CONT. WOOD FILLER
½" Φ BOLTS @ 24" O.C. & 4" FROM EA. END
10"

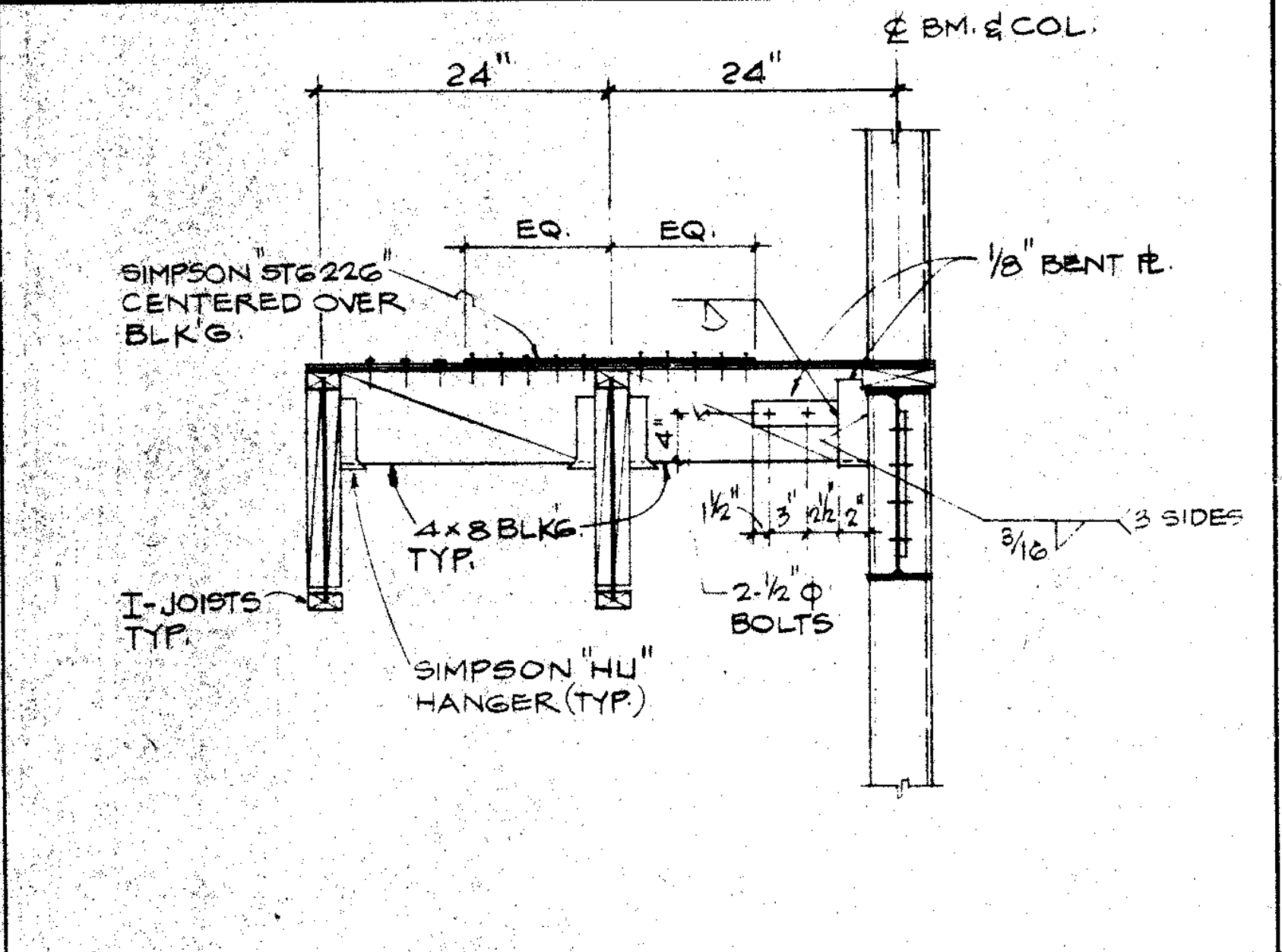
SECTION 1½" 10


TYP. 10 TS-5
PLWD SHTG. NAIL PER 1 SEE SCHED
6 TS-5 SIM.
I-JOIST
6 TS-4
I-JOIST PERP TO BM. WHERE OCCURS SEE 6 TS-5
PLWD. SHTG.
E.N.
16d @ 8 O.C. STAGGERED
E.N.
I-JOIST
14 TS-5

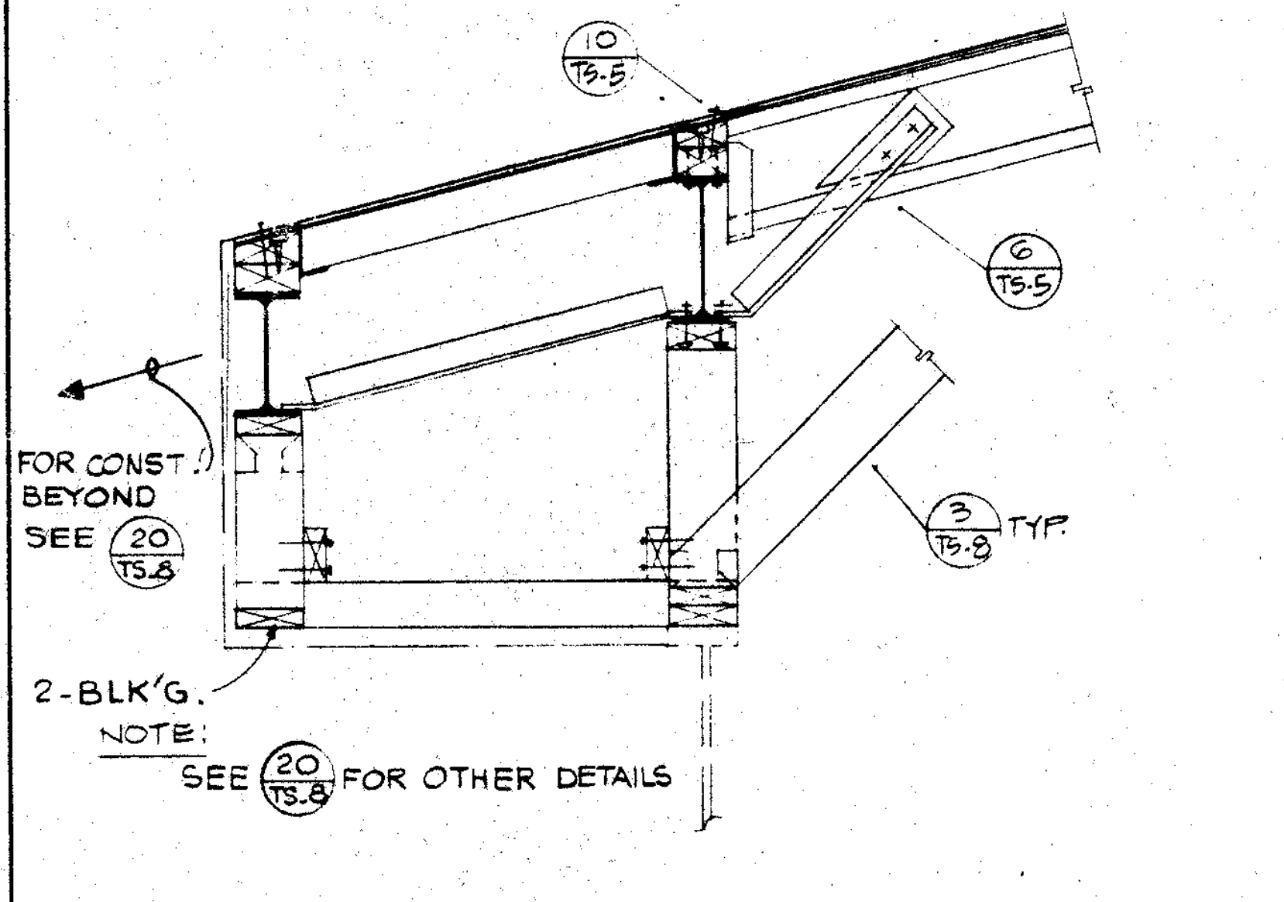
SECTION 3/4" 5


E.N.
6A TS-3
10 TS-5 TYP.
PROVIDE OVERSIZE NAILER AS REQ'D. TYP. TOP & BOT.
14 TS-5
E.N.
SIMPSON "H2.5" @ EA. STUD
3× NAILER OVERSIZE AS REQ'D.
SLOPING STL. BM
SLOPING I-JOIST
E.N.
SIMPSON "A35" @ 16" O.C.
PLYWOOD SHTG. NAIL PER 1 SEE 6 TS-4
2×PLATE
E.N.
E.N.
5½" AT 6" STUD WALL
9¼" AT 10" STUD WALL
I-JOIST
6 TS-5
E.N.
PLYWOOD SHTG. WHERE OCCURS
STUDS @ 16" O.C. TYP.

SECTION 3/4" 2

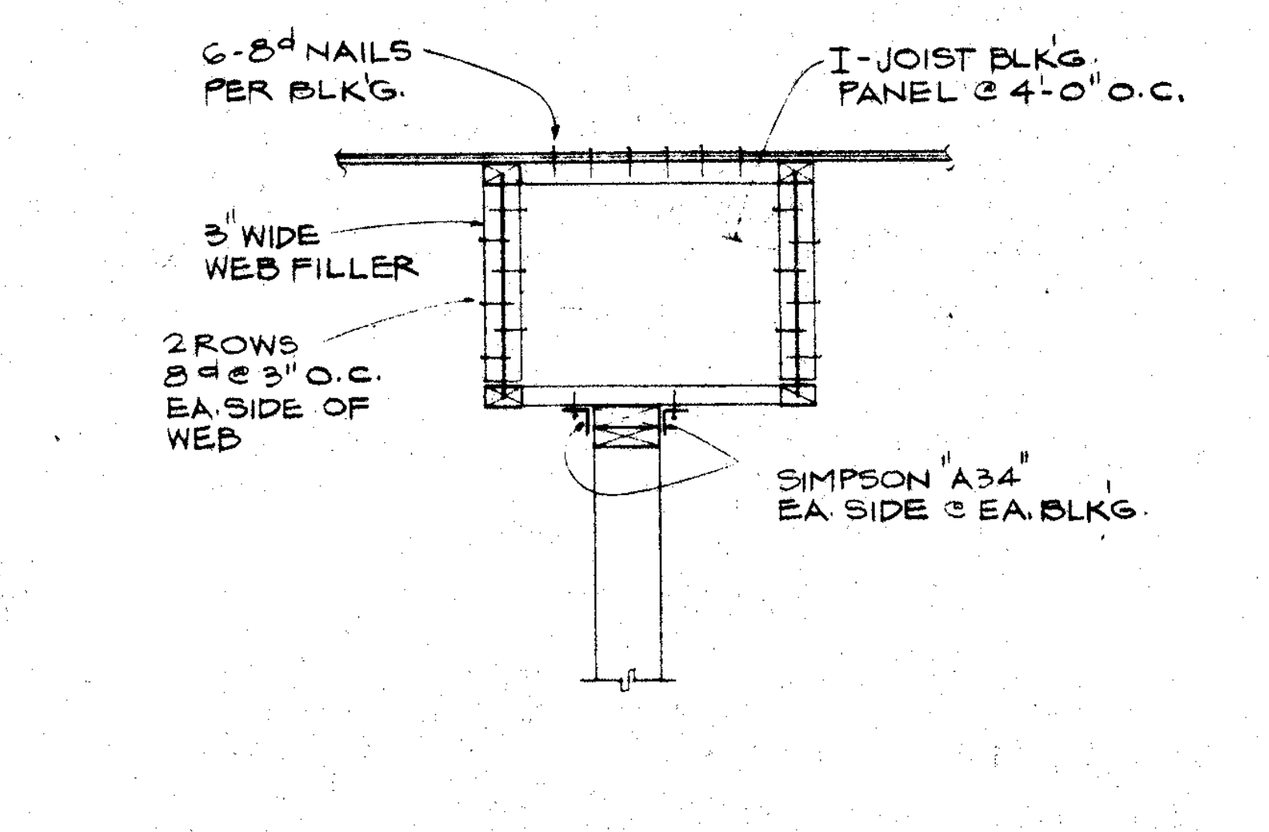

24"
24"
℄ BM. & COL.
EQ.
EQ.
SIMPSON "ST6226" CENTERED OVER BLK'G.
⅛" BENT PL
3 SIDES
4×8 BLK'G. TYP.
2-½ Φ BOLTS
I-JOISTS TYP.
SIMPSON "HU" HANGER (TYP.)

DETAIL 3/4" 24


10 TS-5
6 TS-5
FOR CONST. BEYOND SEE 20 TS-8
7 TS-5 TYP.
2-BLK'G.

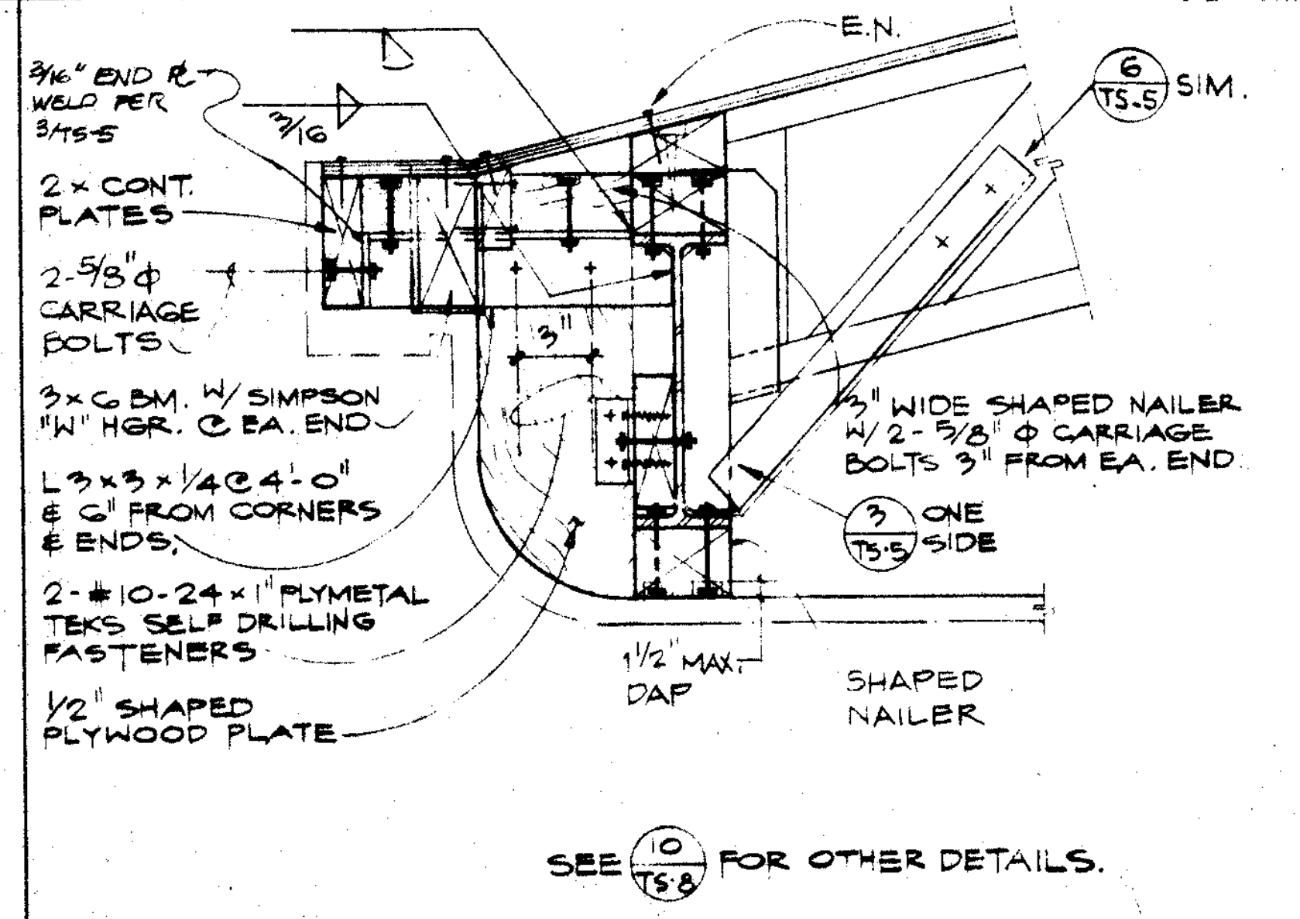
NOTE: SEE 20 TS-8 FOR OTHER DETAILS

SECTION 3/4" 19


6-8d NAILS PER BLK'G.
I-JOIST BLK'G. PANEL @ 4'-0" O.C.
3" WIDE WEB FILLER
2 ROWS 8d @ 3" O.C. EA. SIDE OF WEB
SIMPSON "A34" EA. SIDE @ EA. BLKG.

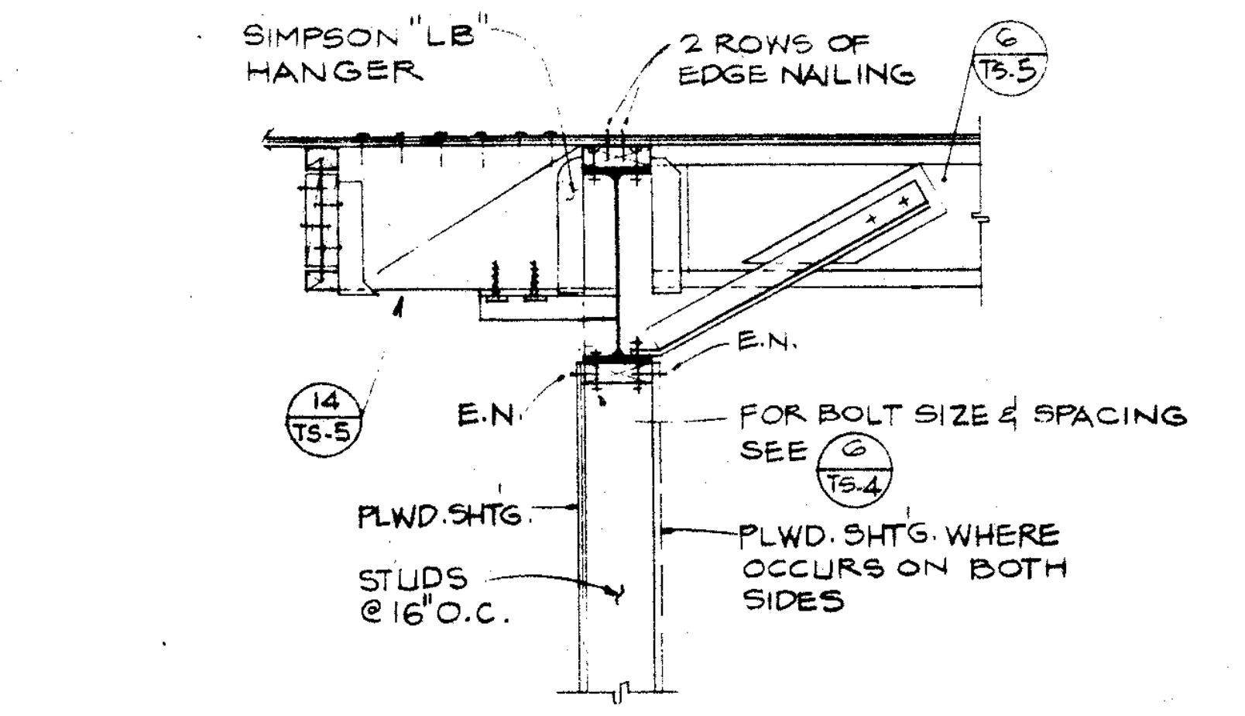
(PARALLEL TO JOIST)

EXTERIOR WALL ANCHORAGE 3/4" 14


3/16" END PL WELD PER 3 TS-5
E.N.
6 TS-5 SIM.
2× CONT. PLATES
2-5/8" Φ CARRIAGE BOLTS
3×6 BM. W/ SIMPSON "H" HGR. @ EA. END
L3×3×¼ @ 4'-0" @ 6" FROM CORNERS & ENDS
2-#10-24×1" PLYMETAL TEKS SELF DRILLING FASTENERS
½" SHAPED PLYWOOD PLATE
3½" WIDE SHAPED NAILER W/2-5/8" Φ CARRIAGE BOLTS 3" FROM EA. END
3 TS-5 ONE SIDE
1½" MAX GAP
SHAPED NAILER

SEE 10 TS-8 FOR OTHER DETAILS.

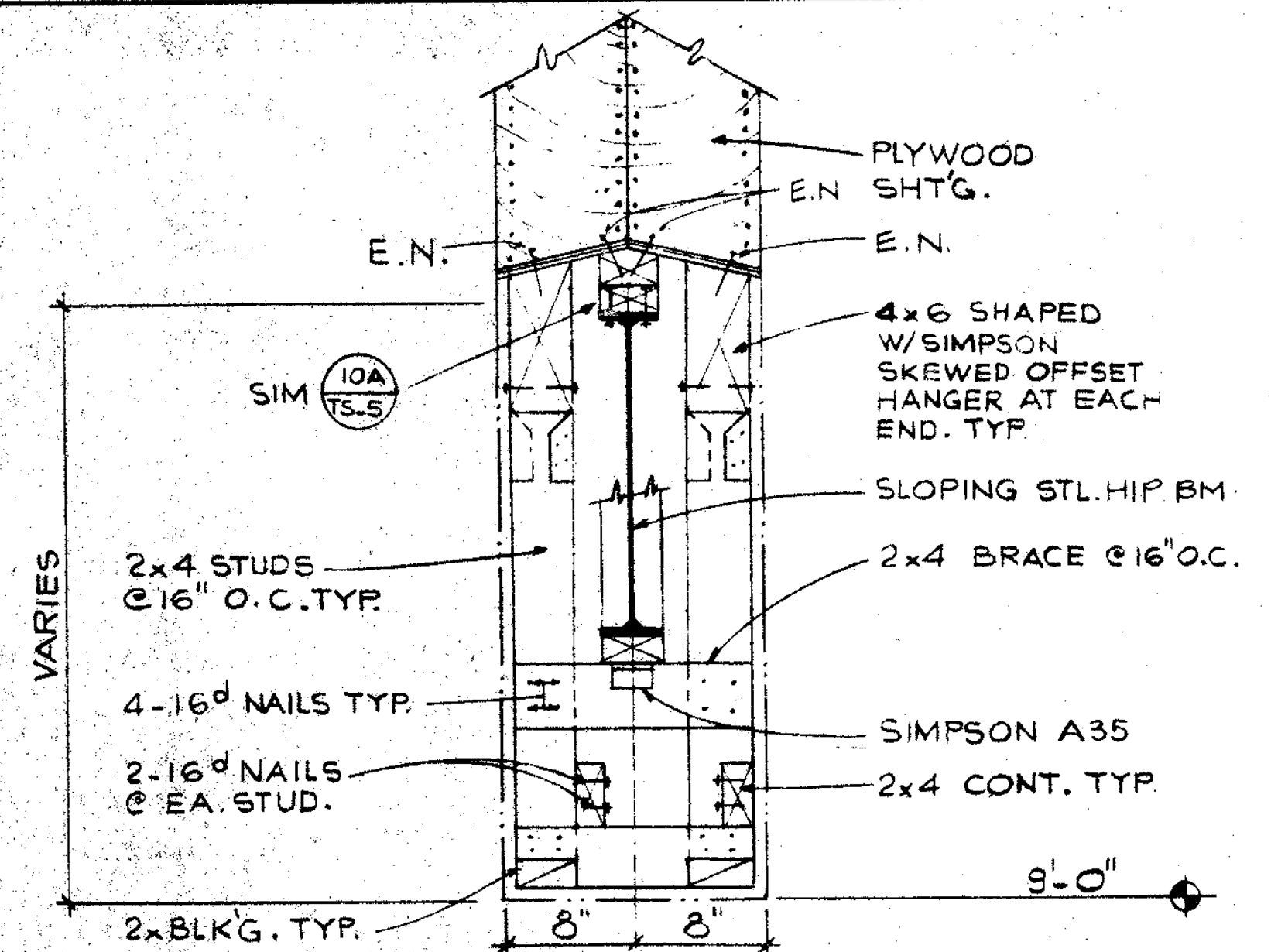
DETAIL 1½" 9


SIMPSON "LB" HANGER
2 ROWS OF EDGE NAILING
6 TS-5
14 TS-5
E.N.
PLWD. SHTG.
STUDS @ 16" O.C.
FOR BOLT SIZE & SPACING SEE 6 TS-4
PLWD. SHTG. WHERE OCCURS ON BOTH SIDES

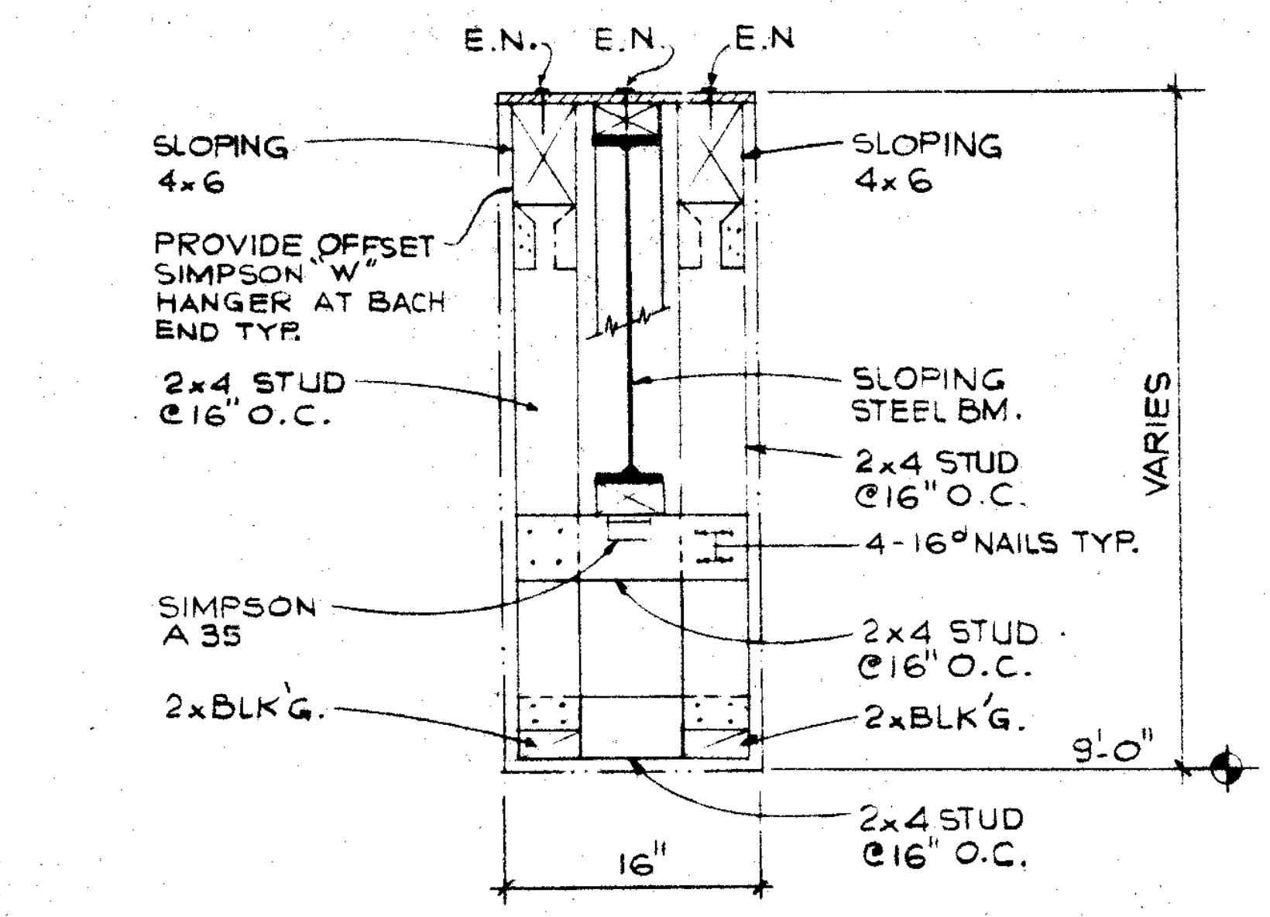
JOIST PARALLEL TO STL. BM.

JOIST PERPENDICULAR TO STL. BM.

DETAIL 3/4" 4

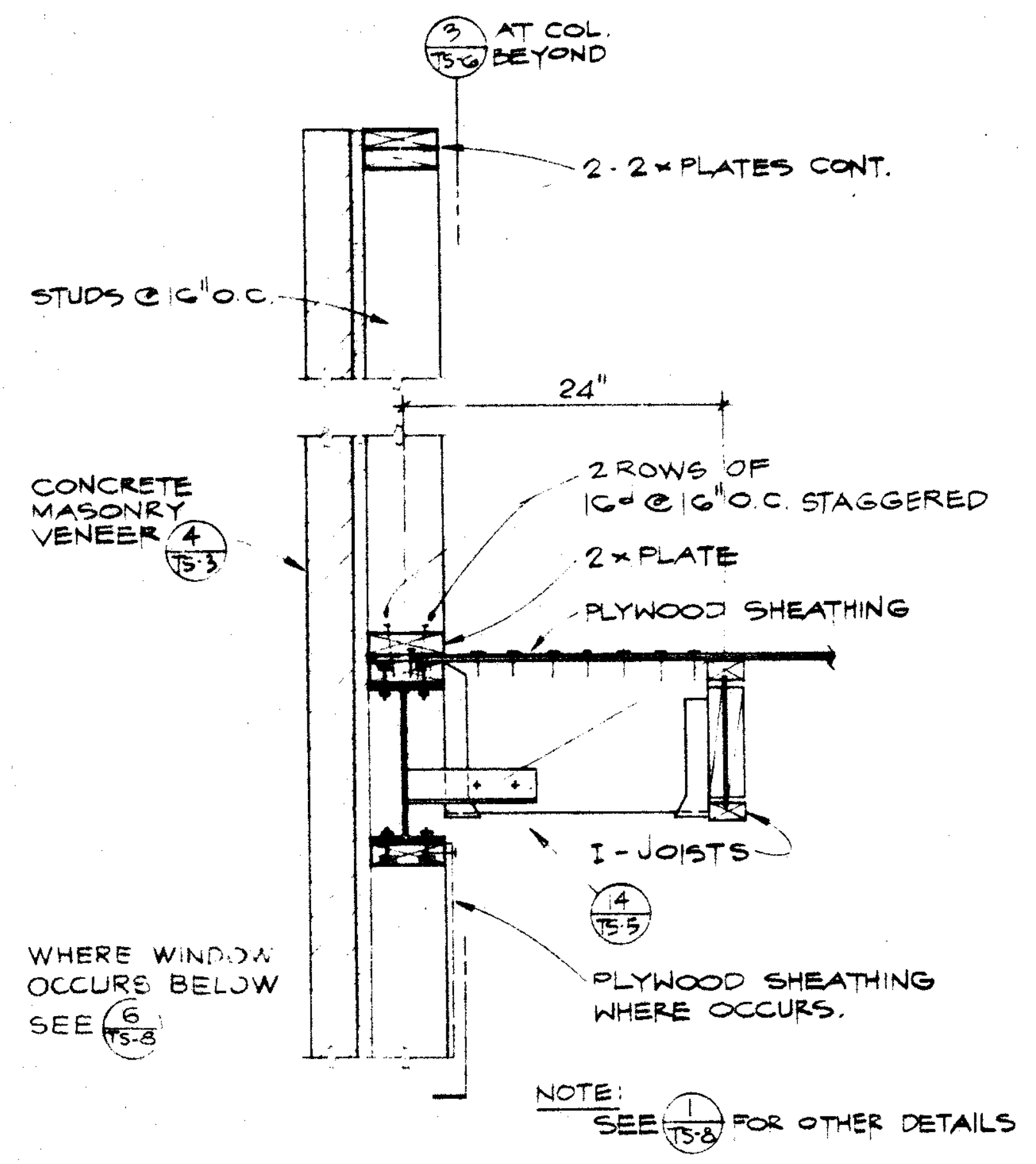

PLYWOOD SHTG.
E.N.
E.N.
E.N.
SIM 10A TS-5
4×6 SHAPED W/SIMPSON SKEWED OFFSET HANGER AT EACH END. TYP.
SLOPING STL. HIP BM.
2×4 STUDS @ 16" O.C. TYP.
2×4 BRACE @ 16" O.C.
VARIES
4-16d NAILS TYP.
SIMPSON A35
2-16d NAILS @ EA. STUD.
2×4 CONT. TYP.
2×BLK'G. TYP.
8"
8"
9'-0"

SECTION 1" 23


E.N.
E.N.
E.N.
SLOPING 4×6
SLOPING 4×6
PROVIDE OFFSET SIMPSON "W" HANGER AT EACH END TYP.
2×4 STUD @ 16" O.C.
SLOPING STEEL BM.
2×4 STUD @ 16" O.C.
VARIES
4-16d NAILS TYP.
SIMPSON A35
2×4 STUD
2×BLK'G.
2×BLK'G.
9'-0"
16"
2×4 STUD @ 16" O.C.

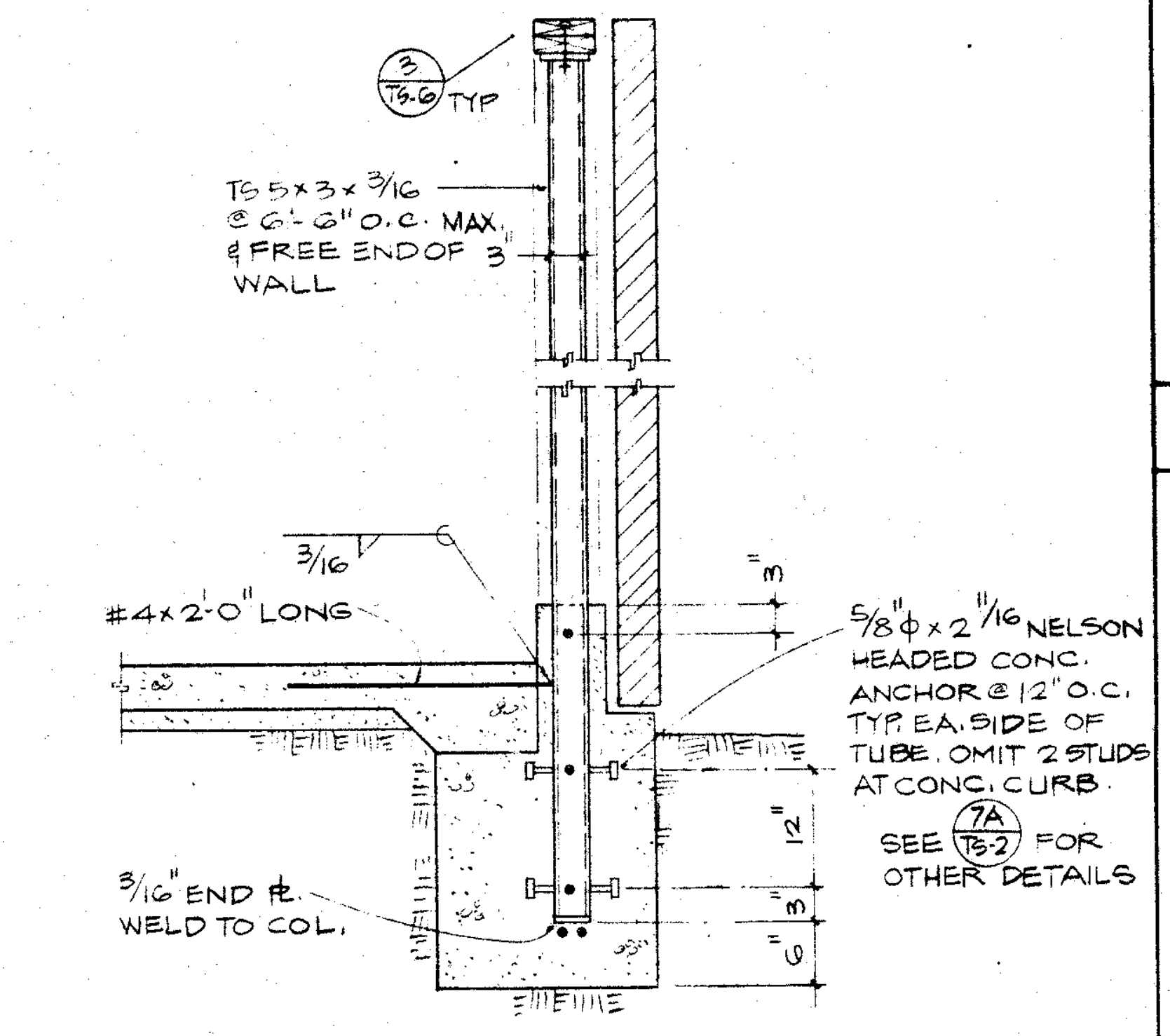
SECTION 18

11

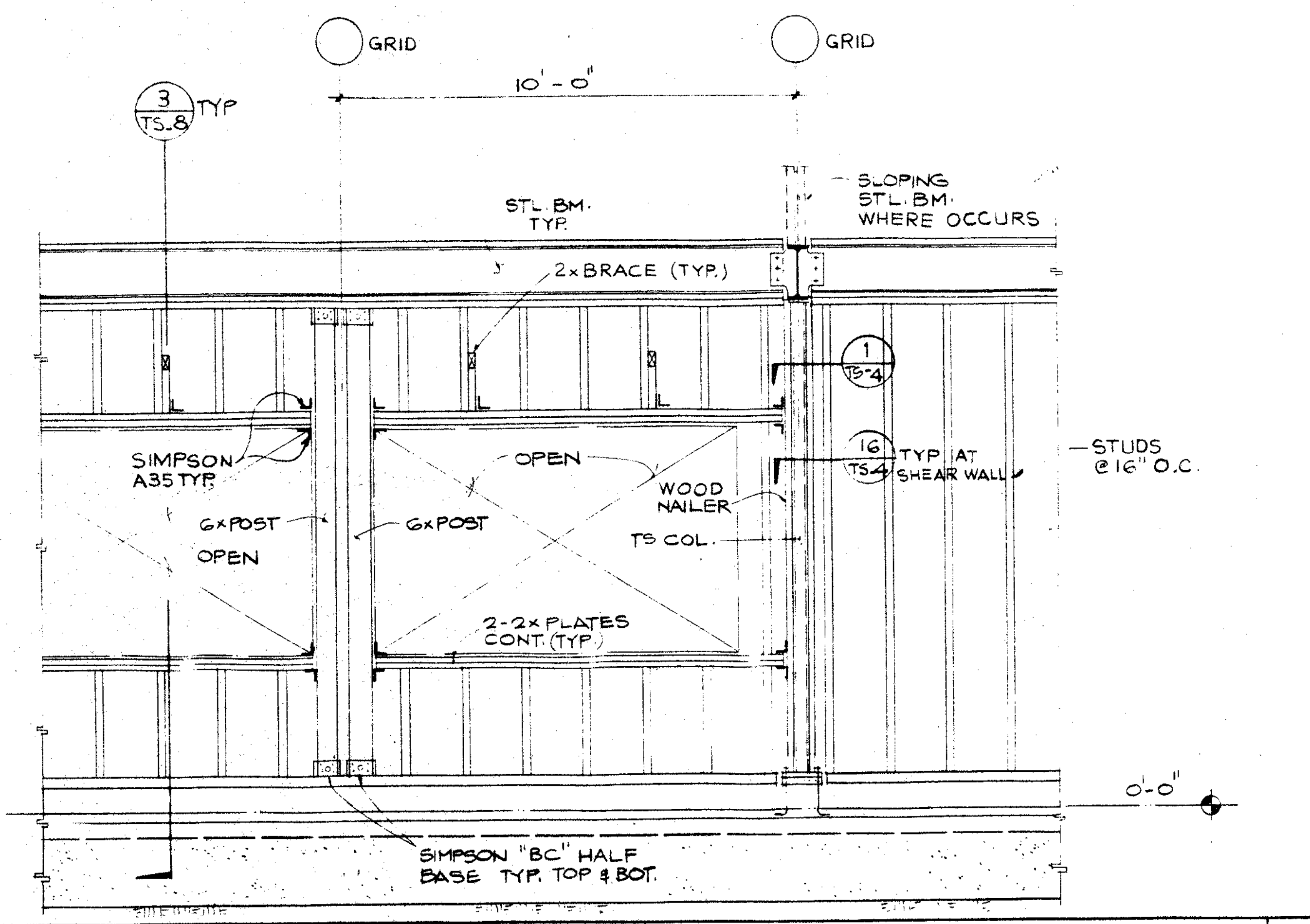

3 TS-6 AT COL. BEYOND
2-2× PLATES CONT.
STUDS @ 16" O.C.
24"
CONCRETE MASONRY VENEER 4 TS-3
2 ROWS OF 16d @ 16" O.C. STAGGERED
2× PLATE
PLYWOOD SHEATHING
I-JOISTS
4 TS-5
PLYWOOD SHEATHING WHERE OCCURS.
WHERE WINDOW OCCURS BELOW SEE 6 TS-8

NOTE: SEE 1 TS-8 FOR OTHER DETAILS

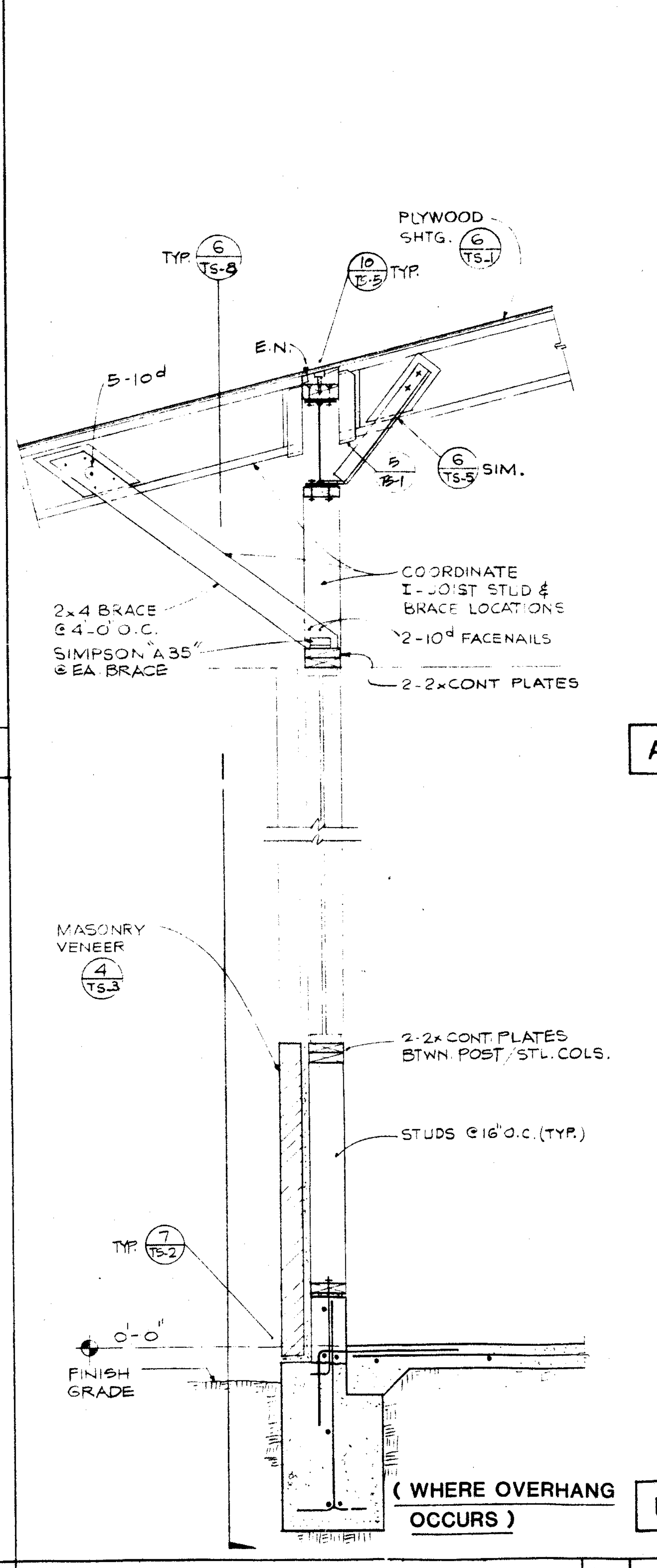
SECTION 1" 7


3 TS-6 TYP
TS 5×3×3/16 @ 6'-0" O.C. MAX. & FREE END OF 3 WALL
3/16
#4×2'-0" LONG
5/8" Φ × 2 11/16 NELSON HEADED CONC. ANCHOR @ 12" O.C. TYP. EA. SIDE OF TUBE. OMIT 2 STUDS AT CONC. CURB.
SEE 7A TS-2 FOR OTHER DETAILS
5/16" END PL WELD TO COL.

DETAIL 3/4" 17

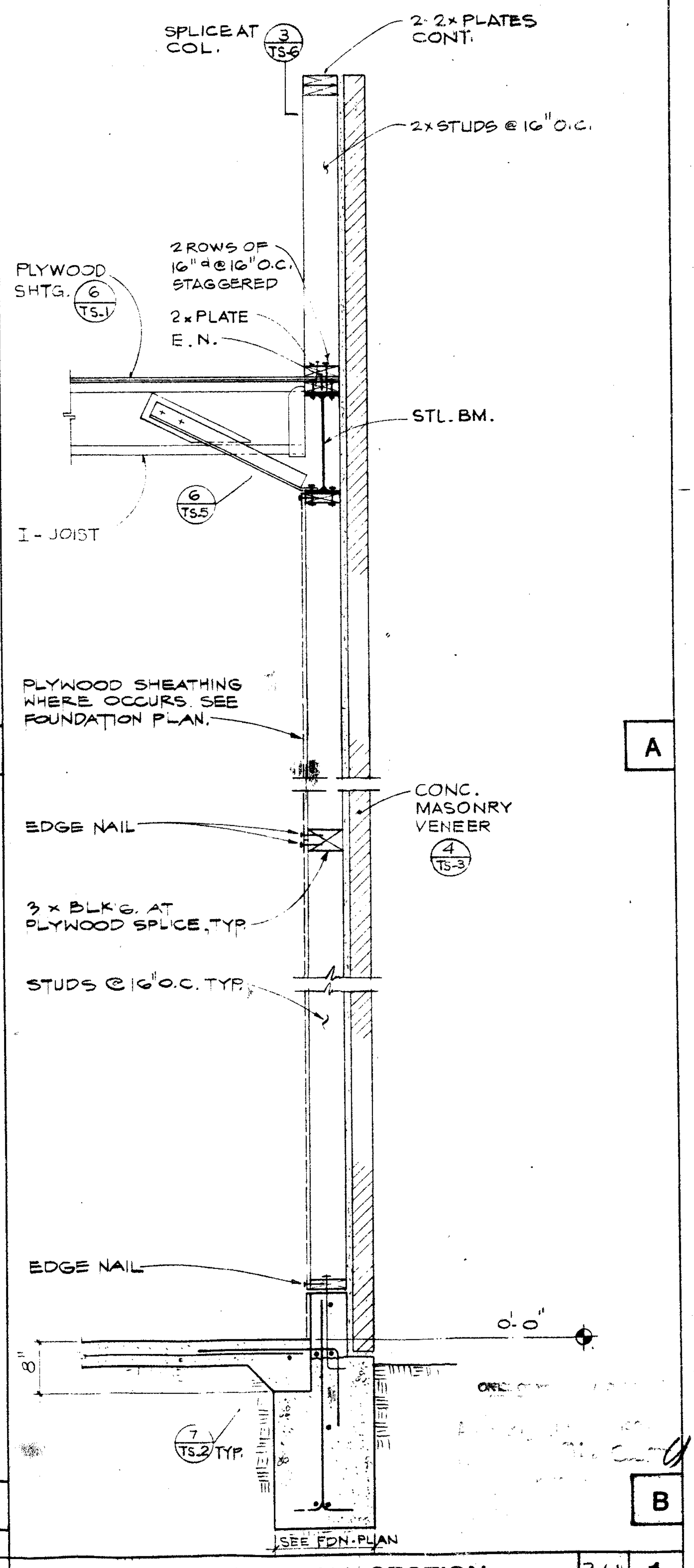

GRID
GRID
10'-0"
3 TS-8 TYP
STL. BM. TYP.
SLOPING STL. BM. WHERE OCCURS
2×BRACE (TYP.)
1 TS-4
16 TS-4 TYP. AT SHEAR WALL
STUDS @ 16" O.C.
SIMPSON A35 TYP.
6×POST
OPEN
OPEN
6×POST
WOOD NAILER
TS COL.
2-2× PLATES CONT. (TYP.)
0'-0"
SIMPSON "BC" HALF BASE TYP. TOP & BOT.

ELEVATION 3/8" 6


PLYWOOD SHTG. 6 TS-1
TYP 6 TS-5
10 TS-5 TYP.
E.N.
5-10d
6 TS-1
6 TS-5 SIM.
COORDINATE I-JOIST STUD & BRACE LOCATIONS
2-10d FACENAILS
2×4 BRACE @ 4'-0" O.C.
SIMPSON "A35" @ EA BRACE
2-2×CONT PLATES
A
MASONRY VENEER 4 TS-3
2-2× CONT PLATES BTWN POST / STL. COLS.
STUDS @ 16" O.C. (TYP.)
TYP 7 TS-2
0'-0"
FINISH GRADE
B

(WHERE OVERHANG OCCURS)

EXTERIOR WALL SECTION 3/4 3


SPLICE AT COL. 3 TS-6
2-2× PLATES CONT.
2× STUDS @ 16" O.C.
PLYWOOD SHTG. 6 TS-1
2 ROWS OF 16d @ 16" O.C. STAGGERED
2× PLATE
E.N.
STL. BM.
6 TS-5
I-JOIST
A
PLYWOOD SHEATHING WHERE OCCURS SEE FOUNDATION PLAN.
CONC. MASONRY VENEER 4 TS-3
EDGE NAIL
3×BLK'G. AT PLYWOOD SPLICE, TYP.
STUDS @ 16" O.C. TYP.
EDGE NAIL
0'-0"
7 TS-2 TYP.
SEE FDN. PLAN
B

EXTERIOR WALL SECTION 3/4 1

Drawn By MCL
Checked By SRU
Date MAR. 1988
Commission No. 1.30.02

Revisions

Brandow & Johnston Assoc.
Structural Engineers

Architects Planners
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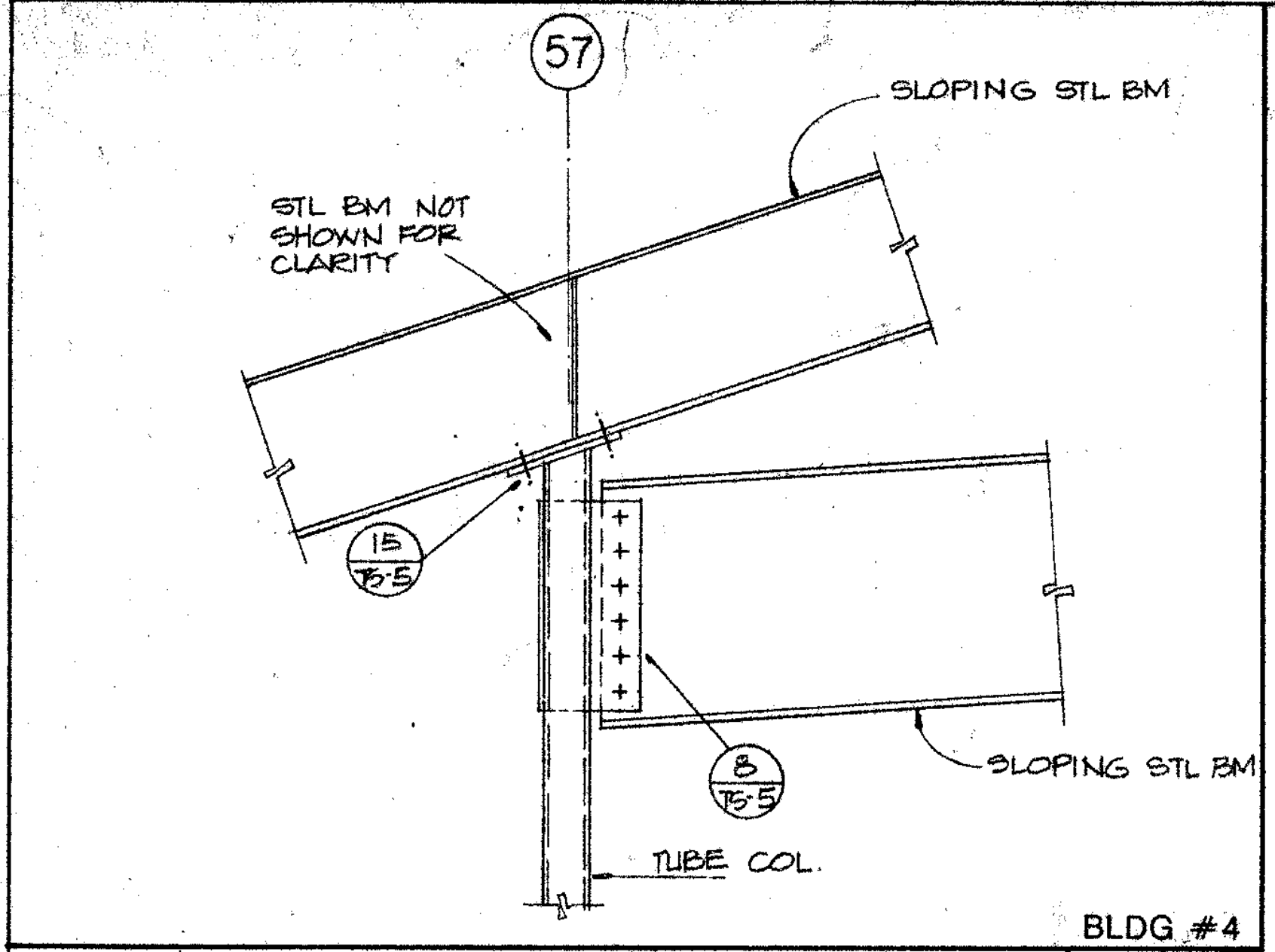
ARCHITECT
C-6497

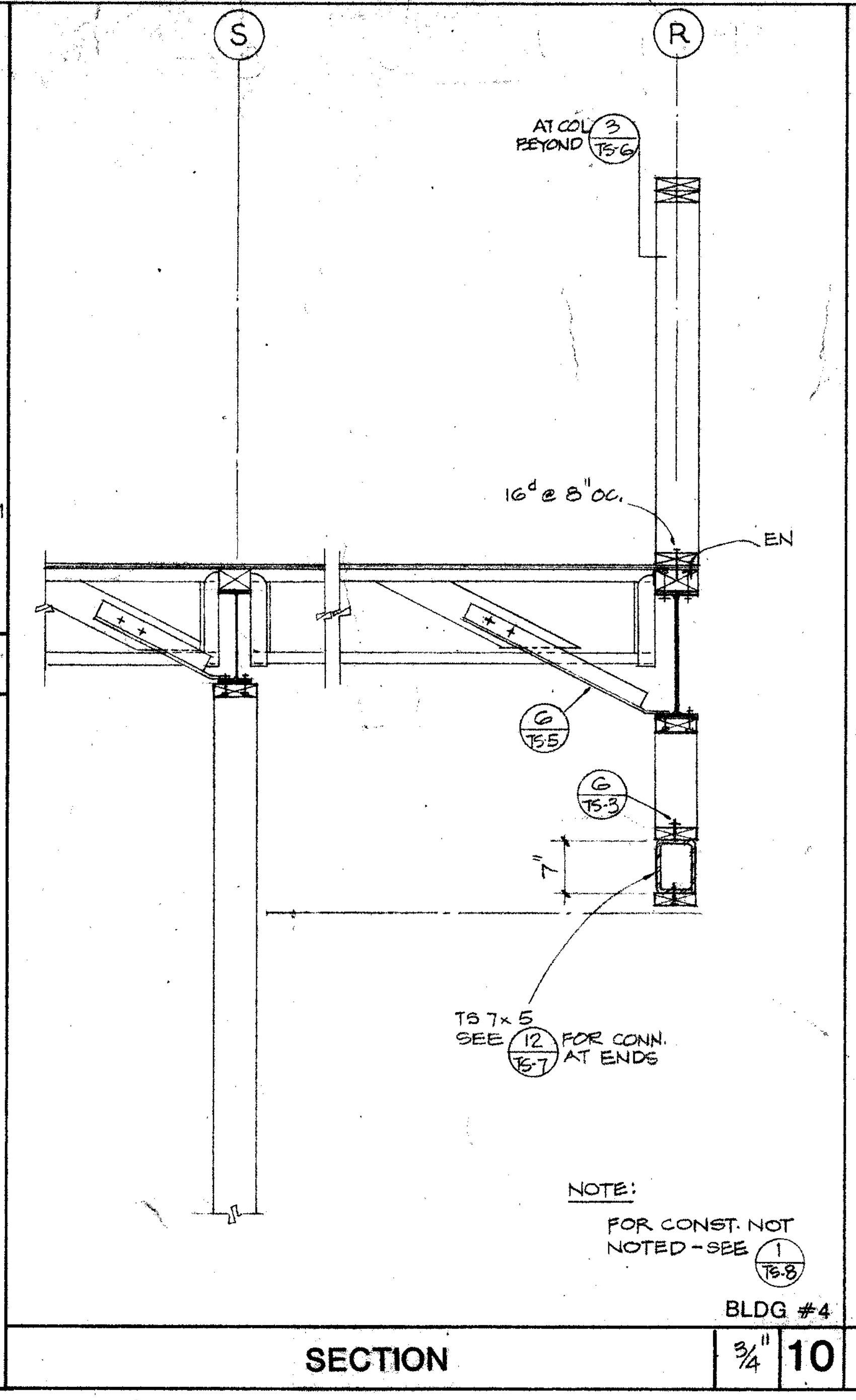
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

TYPICAL SECTIONS & DETAILS

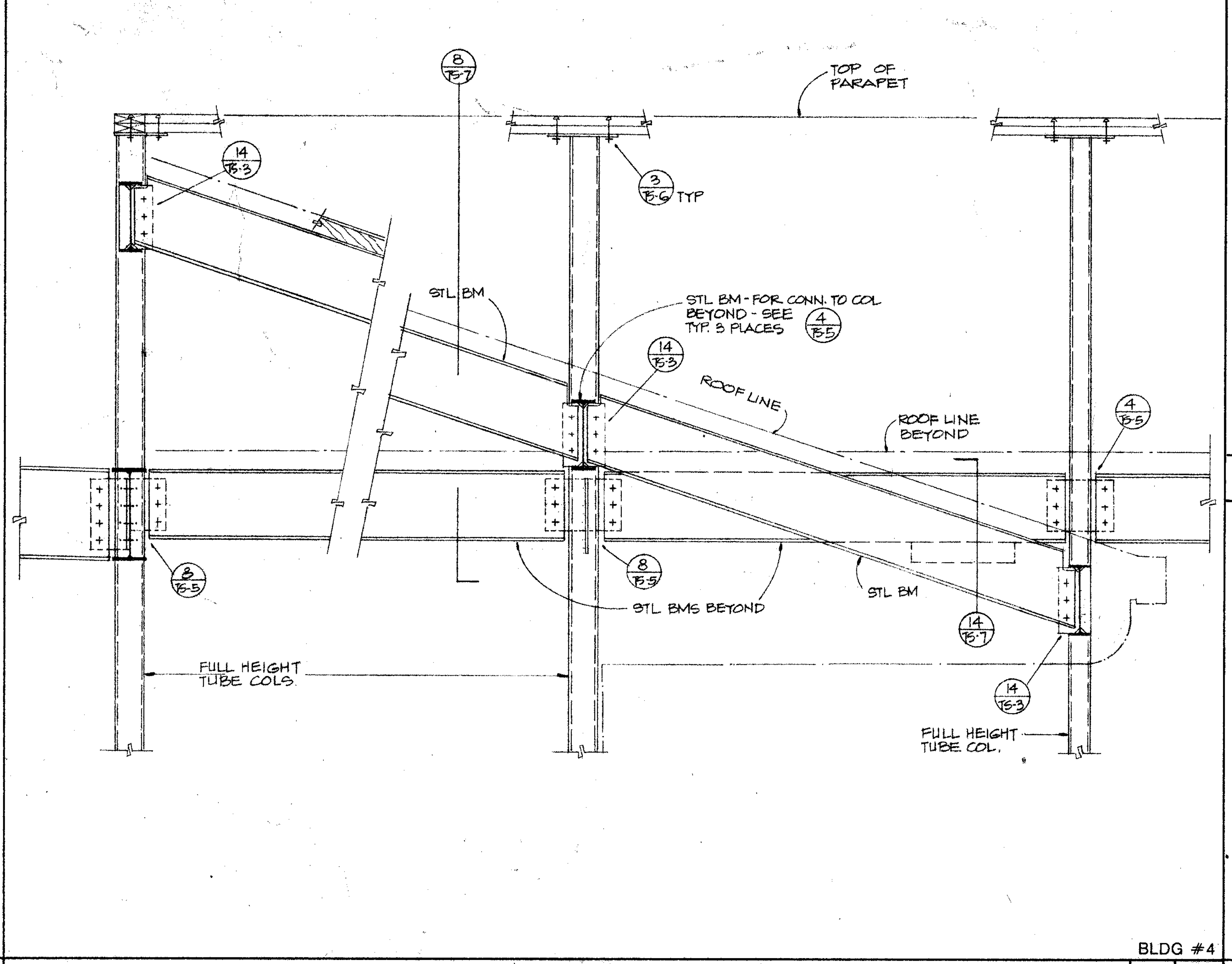
Sheet Number
TS-8
Of Sheets


57
SLOPING STL BM
STL BM NOT SHOWN FOR CLARITY
15 / TS-5
8 / TS-5
SLOPING STL BM
TUBE COL.
BLDG #4

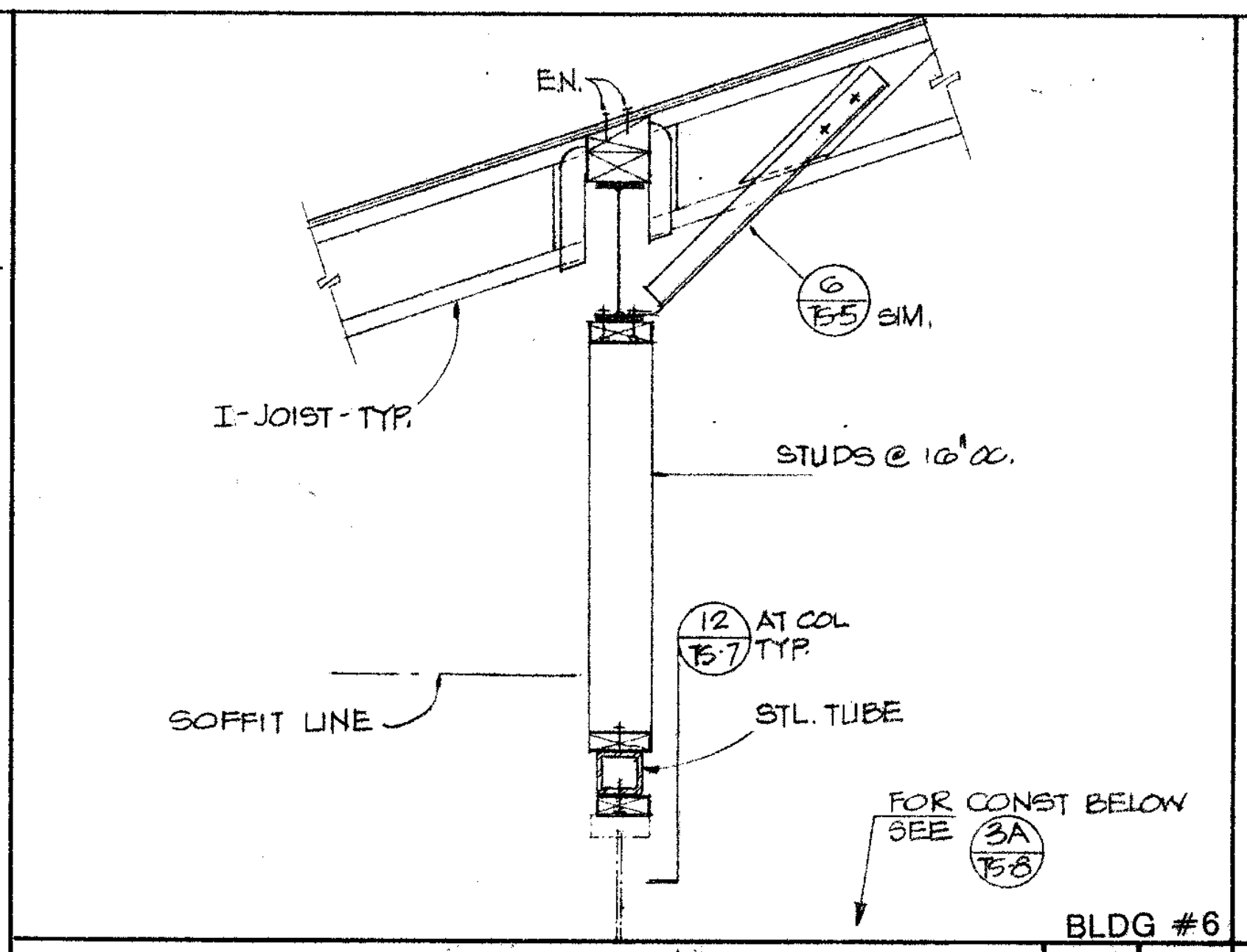
DETAIL 3/4" **14**


S
R
AT COL 3 / TS-6 BEYOND
16" ∅ 8" O.C.
EN
6 / TS-5
6 / TS-5
7"
TS 7 x 5 SEE 12 / TS-7 FOR CONN. AT ENDS
NOTE:
FOR CONST. NOT NOTED - SEE 1 / TS-8
BLDG #4

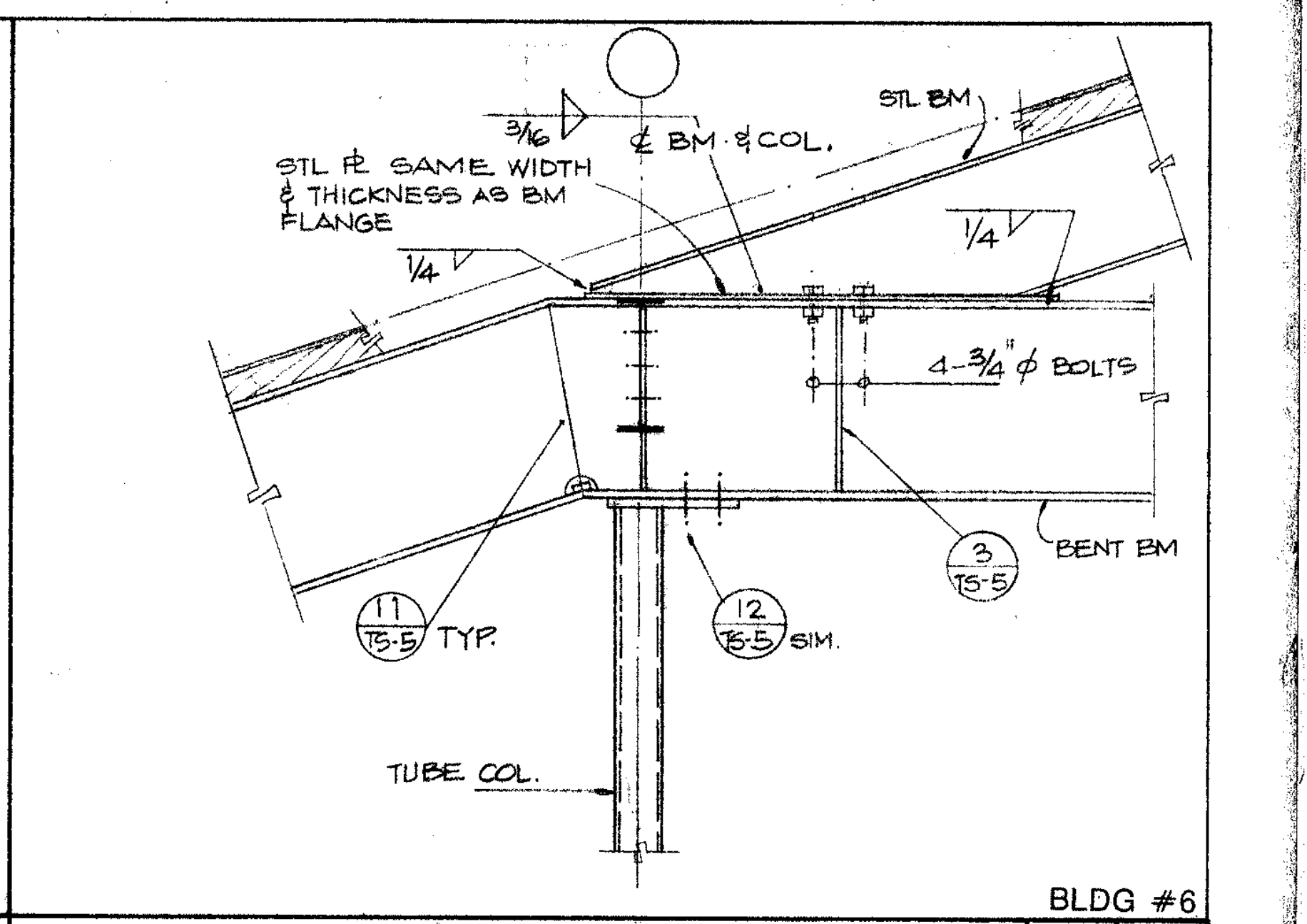
SECTION 3/4" **10**


B / TS-7
TOP OF PARAPET
14 / TS-3
3 / TS-6 TYP.
STL BM
STL BM - FOR CONN. TO COL BEYOND - SEE 4 / TS-5 TYP. 3 PLACES
14 / TS-3
ROOF LINE
ROOF LINE BEYOND
4 / TS-5
8 / TS-5
8 / TS-5
STL BMS BEYOND
STL BM
14 / TS-7
14 / TS-3
FULL HEIGHT TUBE COLS
FULL HEIGHT TUBE COL.
BLDG #4

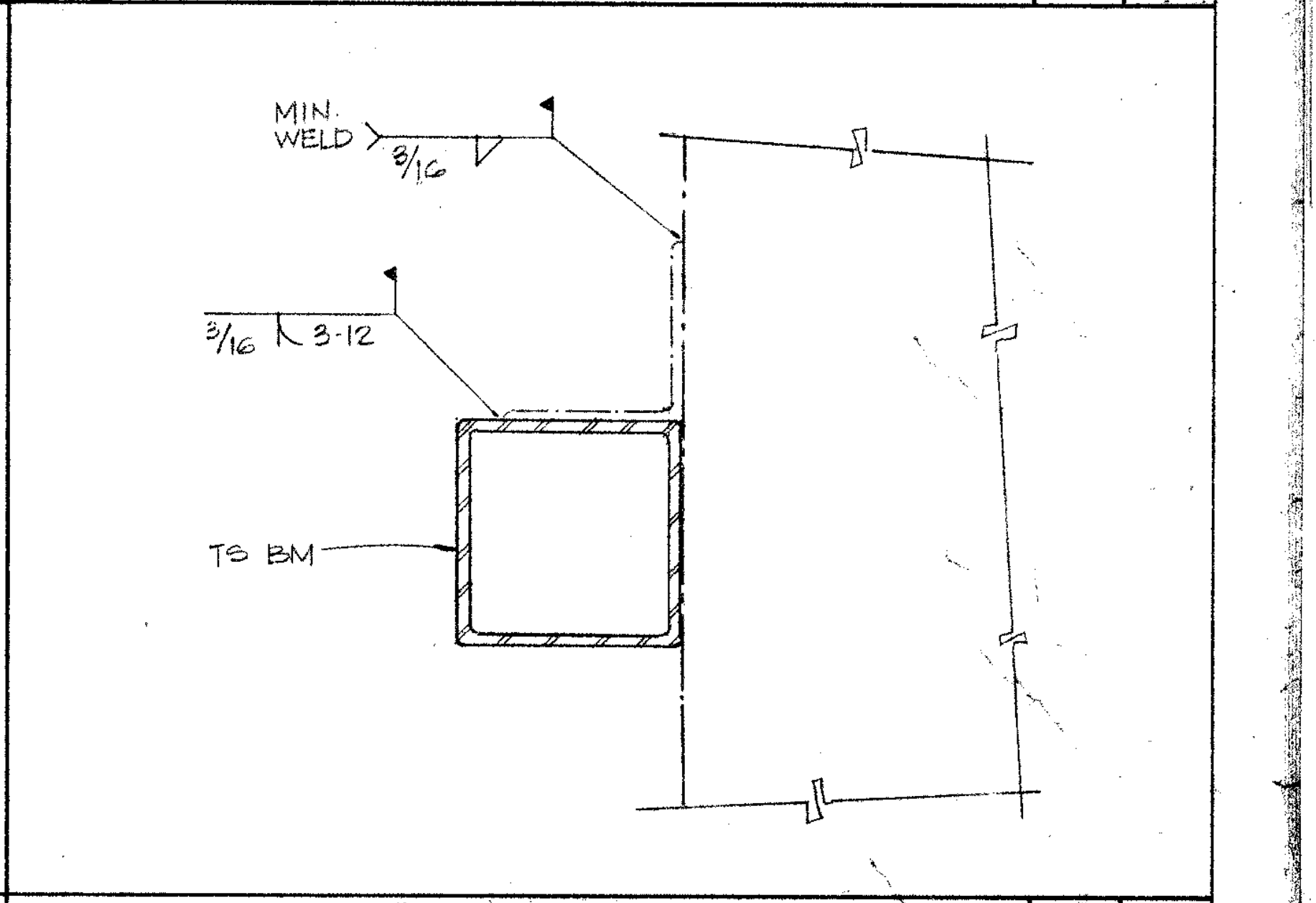
DETAIL 3/4" **6**


EN
6 / TS-5 SIM.
I-JOIST-TYP.
STUDS @ 16" o.c.
12 / TS-7 AT COL TYP.
SOFFIT LINE
STL. TUBE
FOR CONST BELOW SEE 3A / TS-6
BLDG #6

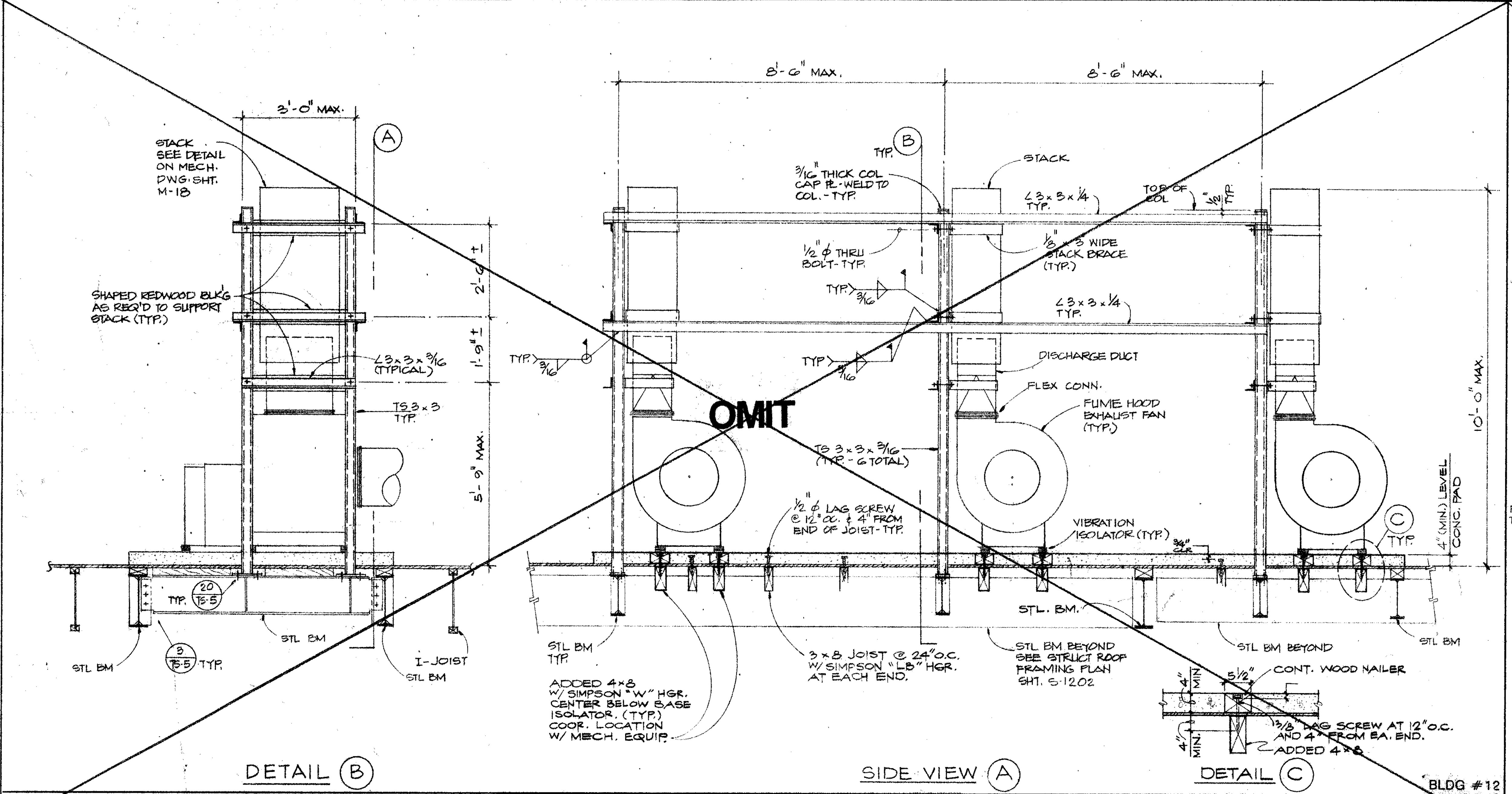
SECTION 3/4" **5**


STL BM
3/16 ¢ BM. & COL.
STL ℞ SAME WIDTH & THICKNESS AS BM FLANGE
1/4
1/4
4-3/4" ∅ BOLTS
3 / TS-5
BENT BM
11 / TS-5 TYP.
12 / TS-5 SIM.
TUBE COL.
BLDG #6

DETAIL 3/4" **3**


MIN. WELD 5/16
3/16 3-12
TS BM

SECTION 3" **2**

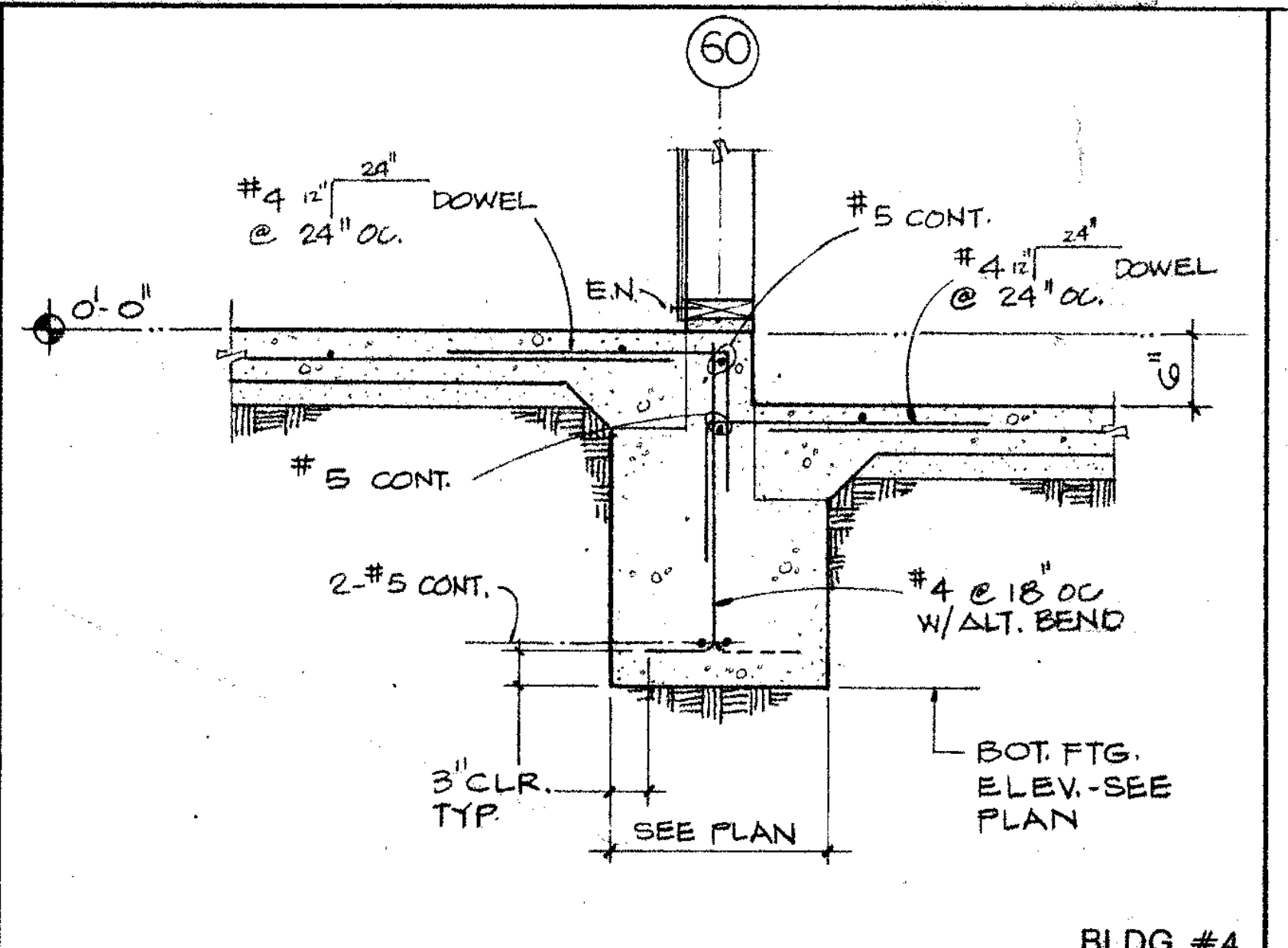

OMIT
3'-0" MAX.
A
STACK SEE DETAIL ON MECH. DWG. SHT. M-18
SHAPED REDWOOD BLKG AS REQ'D TO SUPPORT STACK (TYP.)
2'-6" ±
1'-9" ±
5'-9" MAX.
∠3 x 3 x 3/16 (TYPICAL)
TS 3 x 3 TYP.
TYP. 3/16
TYP. 20 / TS-5
STL BM
9 / TS-5 TYP.
STL BM
I-JOIST STL BM
8'-6" MAX.
8'-6" MAX.
TYP. B
3/16" THICK COL CAP ℞ - WELD TO COL. - TYP.
STACK
TOP OF COL
∠3 x 3 x 1/4 TYP.
1/2" ∅ THRU BOLT - TYP.
1/8" x 3" WIDE STACK BRACE (TYP.)
TYP. 3/16
∠3 x 3 x 1/4 TYP.
TYP. 3/16
DISCHARGE DUCT
FLEX CONN.
FUME HOOD EXHAUST FAN (TYP.)
TS 3 x 3 x 3/16 (TYP. - 6 TOTAL)
1/2" ∅ LAG SCREW @ 12" o.c. & 4" FROM END OF JOIST - TYP.
VIBRATION ISOLATOR (TYP.)
10'-0" MAX.
4" (MIN.) LEVEL CONC. PAD
C TYP.
STL BM TYP.
ADDED 4 x 8 W/ SIMPSON "W" HGR. CENTER BELOW BASE ISOLATOR. (TYP.) COOR. LOCATION W/ MECH. EQUIP.
3 x 8 JOIST @ 24" O.C. W/ SIMPSON "LB" HGR. AT EACH END.
STL. BM.
STL BM BEYOND SEE STRUCT ROOF FRAMING PLAN SHT. S-1202
STL BM BEYOND
STL BM
CONT. WOOD NAILER
1/2" ∅ LAG SCREW AT 12" O.C. AND 4" FROM EA. END.
ADDED 4 x 8
BLDG #12

DETAIL (B)

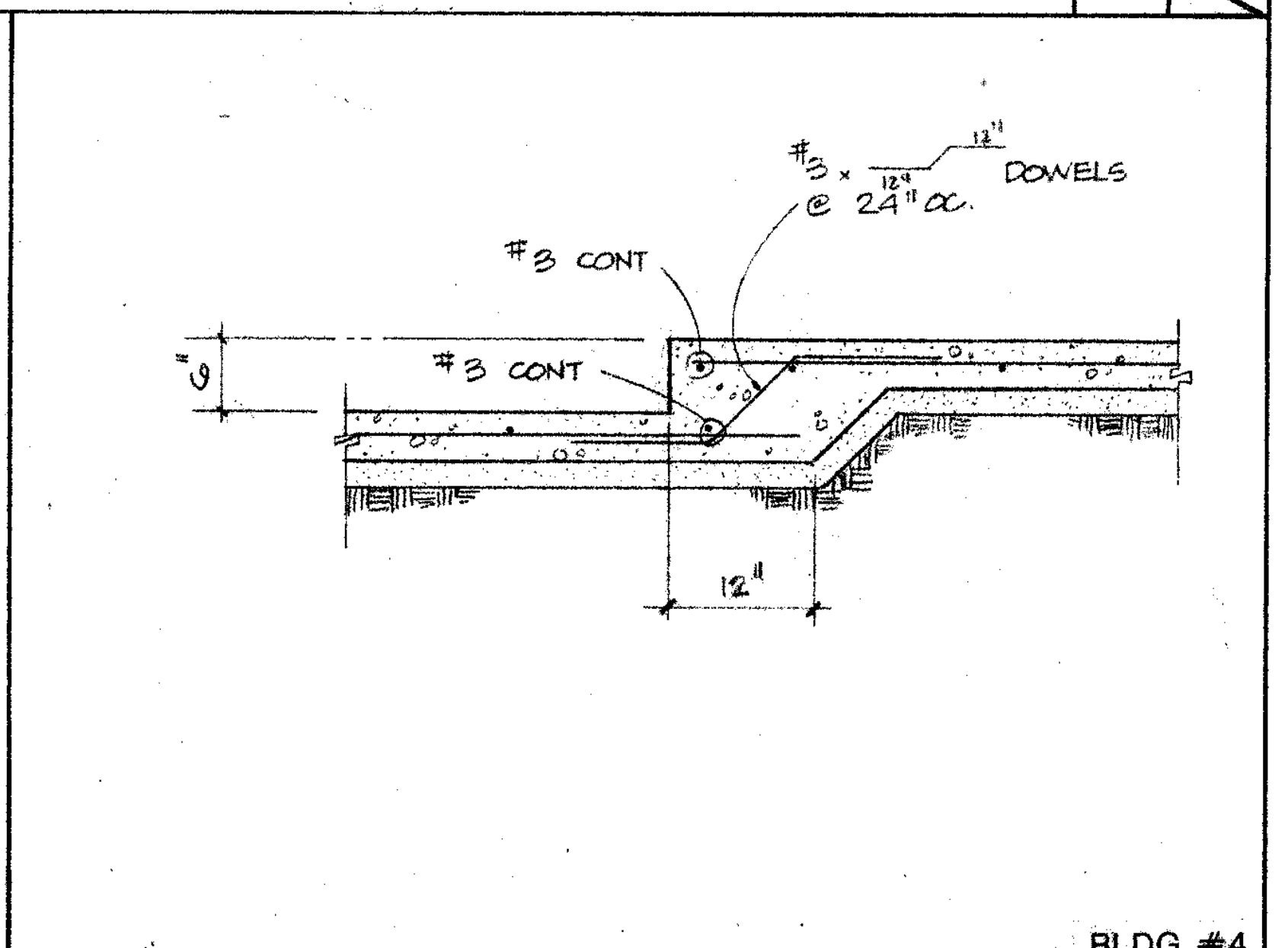
SIDE VIEW (A)

DETAIL (C)

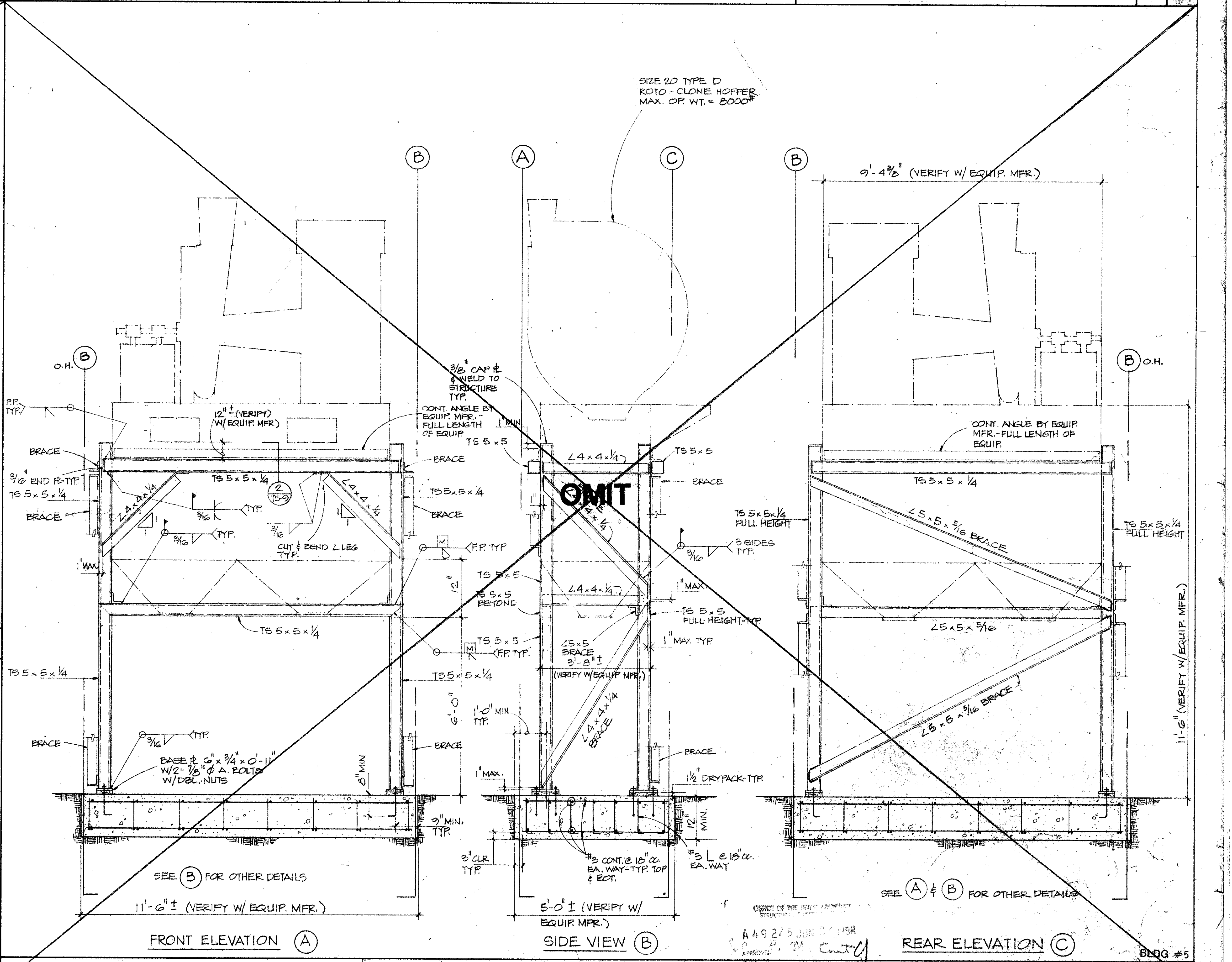
FUME HOOD EXHAUST SUPPORT DETAIL NO SCALE **8**


60
0'-0"
#4 @ 24" o.c. DOWEL
EN
#5 CONT.
#4 @ 24" o.c. DOWEL
#5 CONT.
2-#5 CONT.
#4 @ 18" o.c. W/ALT. BEND
3" CLR. TYP.
SEE PLAN
BOT. FTG. ELEV. - SEE PLAN
BLDG #4

SECTION 3/4" **9**


#3 x 12" DOWELS @ 24" o.c.
#3 CONT
#3 CONT
12"
BLDG #4

SECTION 3/4" **7**


OMIT
SIZE 20 TYPE D ROTO - CLONE HOPPER MAX. OP. WT. = 8000#
B
A
C
B
9'-4 3/8" (VERIFY W/ EQUIP. MFR.)
O.H. B
B O.H.
P.P. TYP.
12" ± (VERIFY W/ EQUIP. MFR.)
3/8" CAP ℞ & WELD TO STRUCTURE TYP.
CONT. ANGLE BY EQUIP. MFR. - FULL LENGTH OF EQUIP.
CONT. ANGLE BY EQUIP. MFR. - FULL LENGTH OF EQUIP.
BRACE
3/16 END ℞ TYP.
TS 5 x 5 x 1/4
BRACE
TS 5 x 5 x 1/4
2 / TS-9
∠4 x 4 x 1/4
∠4 x 4 x 1/4
TYP.
3/16 TYP.
CUT & BEND ∠ LEG TYP.
F.P. TYP
TS 5 x 5
BRACE
TS 5 x 5 x 1/4
BRACE
∠4 x 4 x 1/4
TS 5 x 5
BRACE
TS 5 x 5 x 1/4 FULL HEIGHT
3 SIDES TYP.
TS 5 x 5 x 1/4 FULL HEIGHT
∠5 x 5 x 3/16 BRACE
1" MAX.
TS 5 x 5
TS 5 x 5 BEYOND
∠4 x 4 x 1/4
1" MAX.
TS 5 x 5 FULL HEIGHT - TYP.
TS 5 x 5 x 1/4
TS 5 x 5
F.P. TYP.
∠5 x 5 BRACE 3'-8" ±
(VERIFY W/EQUIP. MFR.)
1" MAX. TYP.
∠5 x 5 x 5/16
TS 5 x 5 x 1/4
TS 5 x 5 x 1/4
6'-0"
1'-0" MIN. TYP.
∠4 x 4 x 1/4 BRACE
BRACE
BRACE
3/16 TYP.
BASE ℞ 6" x 3/4" x 0'-11" W/2 - 7/8" ∅ A. BOLTS W/DBL. NUTS
6" MIN.
1 1/2" DRYPACK - TYP.
∠5 x 5 x 3/16 BRACE
1" MAX.
11'-6" (VERIFY W/ EQUIP. MFR.)
3" MIN. TYP.
3" CLR. TYP.
12" MIN.
#5 CONT. @ 18" o.c. EA. WAY - TYP. TOP & BOT.
#3 ∟ @ 18" o.c. EA. WAY
SEE B FOR OTHER DETAILS
SEE A & B FOR OTHER DETAILS
11'-6" ± (VERIFY W/ EQUIP. MFR.)
5'-0" ± (VERIFY W/ EQUIP. MFR.)
BLDG #5

FRONT ELEVATION (A)

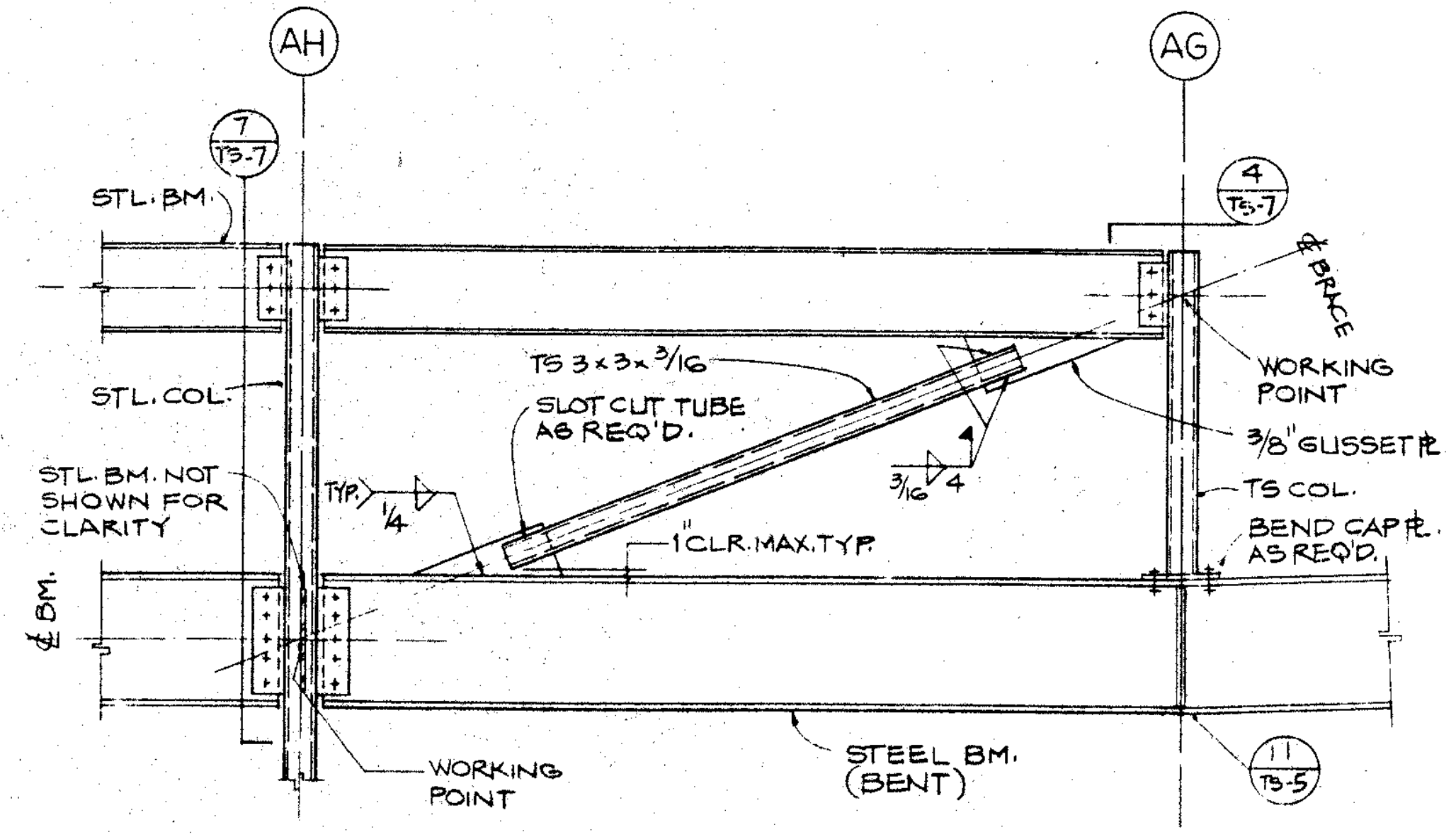
SIDE VIEW (B)

A 49 275 JUN 2 1988

REAR ELEVATION (C)

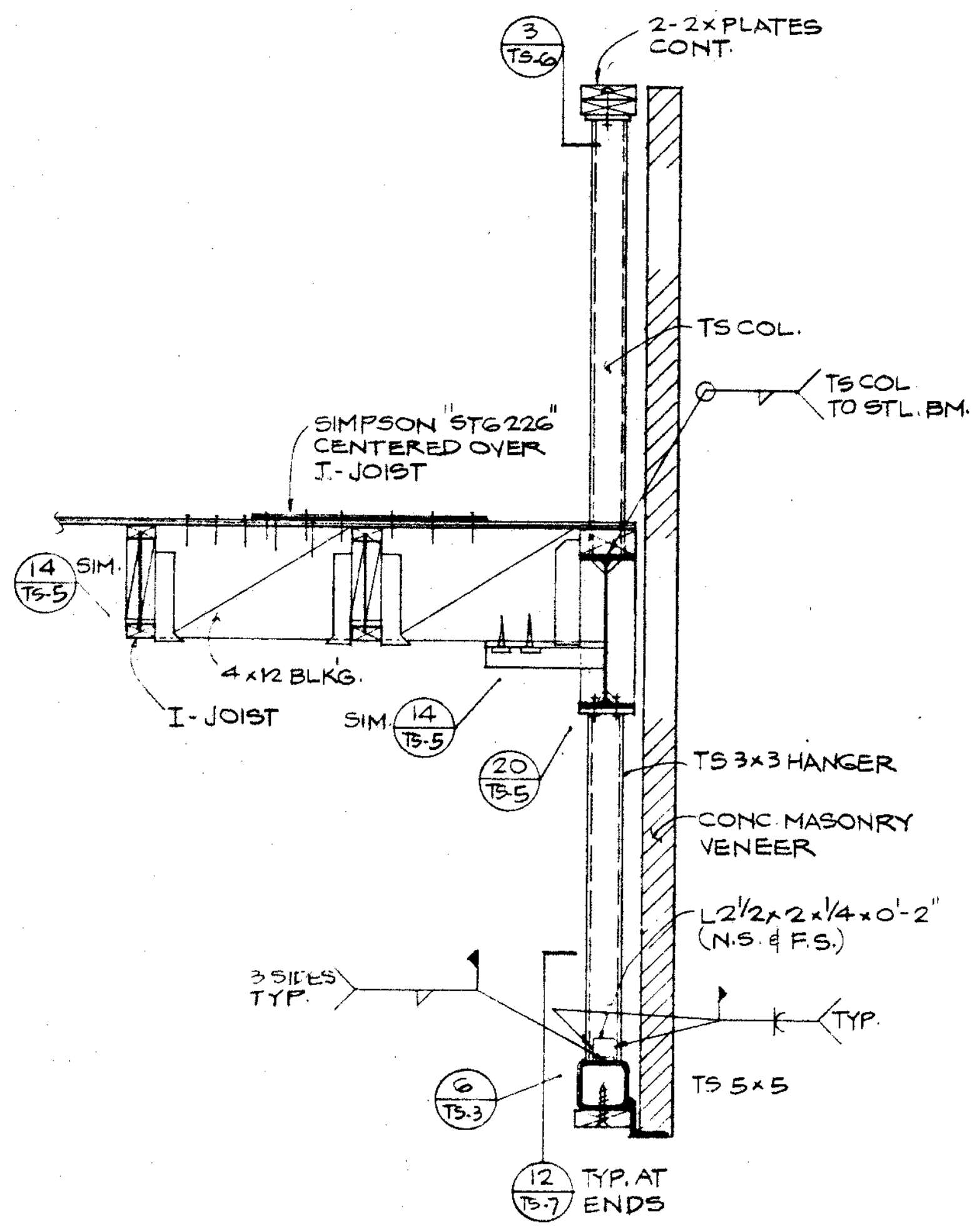
DUST COLLECTOR SUPPORT FRAME NO SCALE **1**

Drawn By MN Checked By SRU Date MAR. 1988 Commission No. 1-30-05	Revisions BID JANUARY 1991	**Brandow & Johnston Assoc. Structural Engineers**	HAMBURG E. KANDA No. 956 EXP. 12-31-88	RUHNAU RUHNAU TODD/ASSOCIATES Architects Planners 3775 Tenth Street Riverside, CA 92501-3880 714/684-4664 5751 Palmer Way, Suite C Carlsbad, CA 92008-1980 619/438-5899	ARCHITECT C20662	**West Hills High School** **Grossmont Union High School District** **San Diego, Ca** San Diego County	SECTIONS AND DETAILS	Sheet Number **TS-9** 10201 Sheets


AH
AG
7/TS-7
4/TS-7
STL. BM.
STL. COL.
STL. BM. NOT SHOWN FOR CLARITY
℄ BM.
TYP. 1/4
TS 3×3×3/16
SLOT CUT TUBE AS REQ'D.
3/16 4
1" CLR. MAX. TYP.
℄ BRACE
WORKING POINT
3/8" GUSSET ℞
TS COL.
BEND CAP ℞. AS REQ'D.
WORKING POINT
STEEL BM. (BENT)
11/TS-5

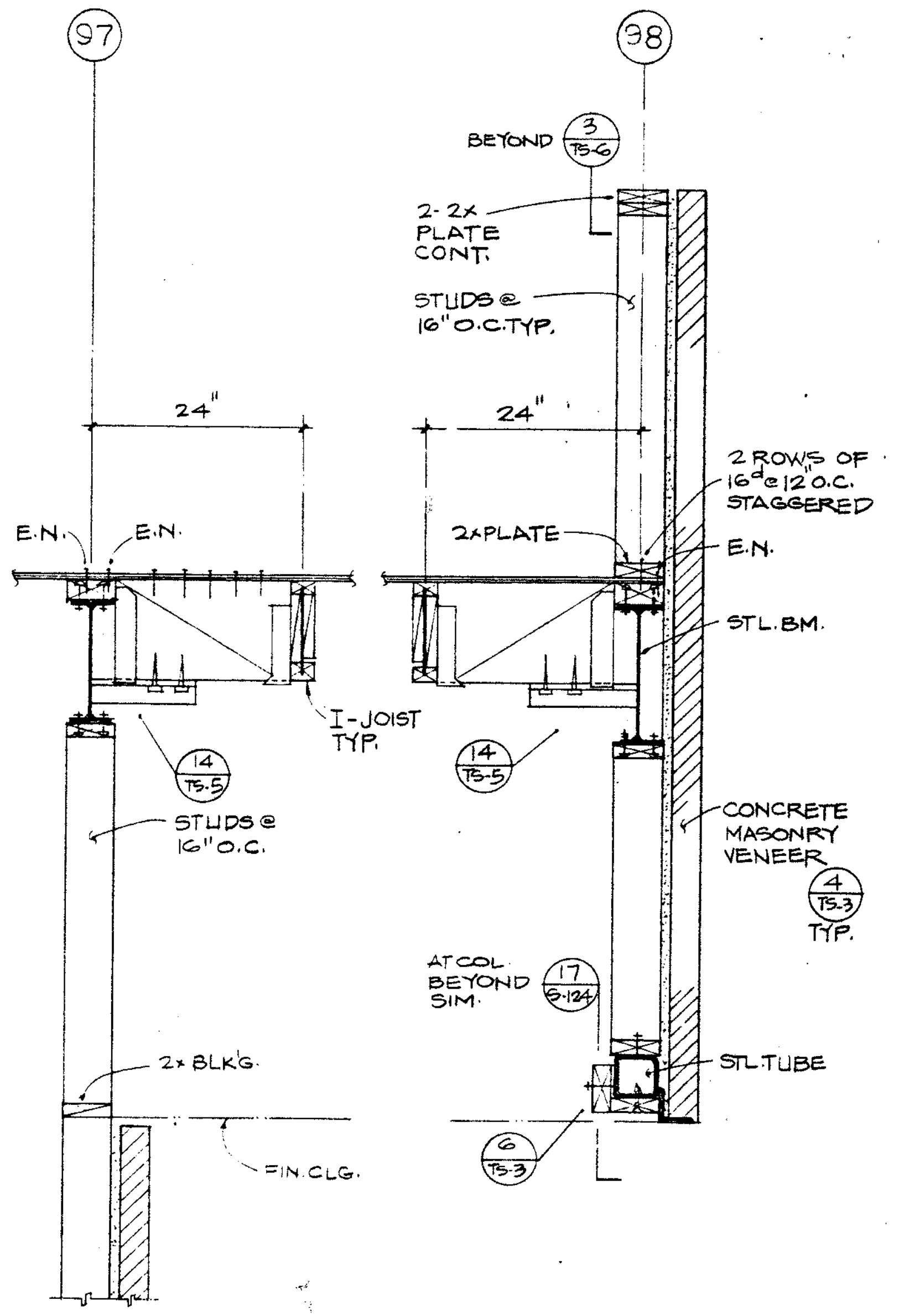
BLDG #8

BRACE ELEVATION 3/4 **9**


3/TS-6
2-2× PLATES CONT.
TS COL.
TS COL TO STL. BM.
SIMPSON "ST6226" CENTERED OVER I-JOIST
14/TS-5 SIM.
4×12 BLKG.
I-JOIST
SIM. 14/TS-5
20/TS-5
TS 3×3 HANGER
CONC. MASONRY VENEER
L2½×2×¼×0'-2" (N.S. & F.S.)
3 SIDES TYP.
TYP.
6/TS-3
TS 5×5
12/TS-7 TYP. AT ENDS

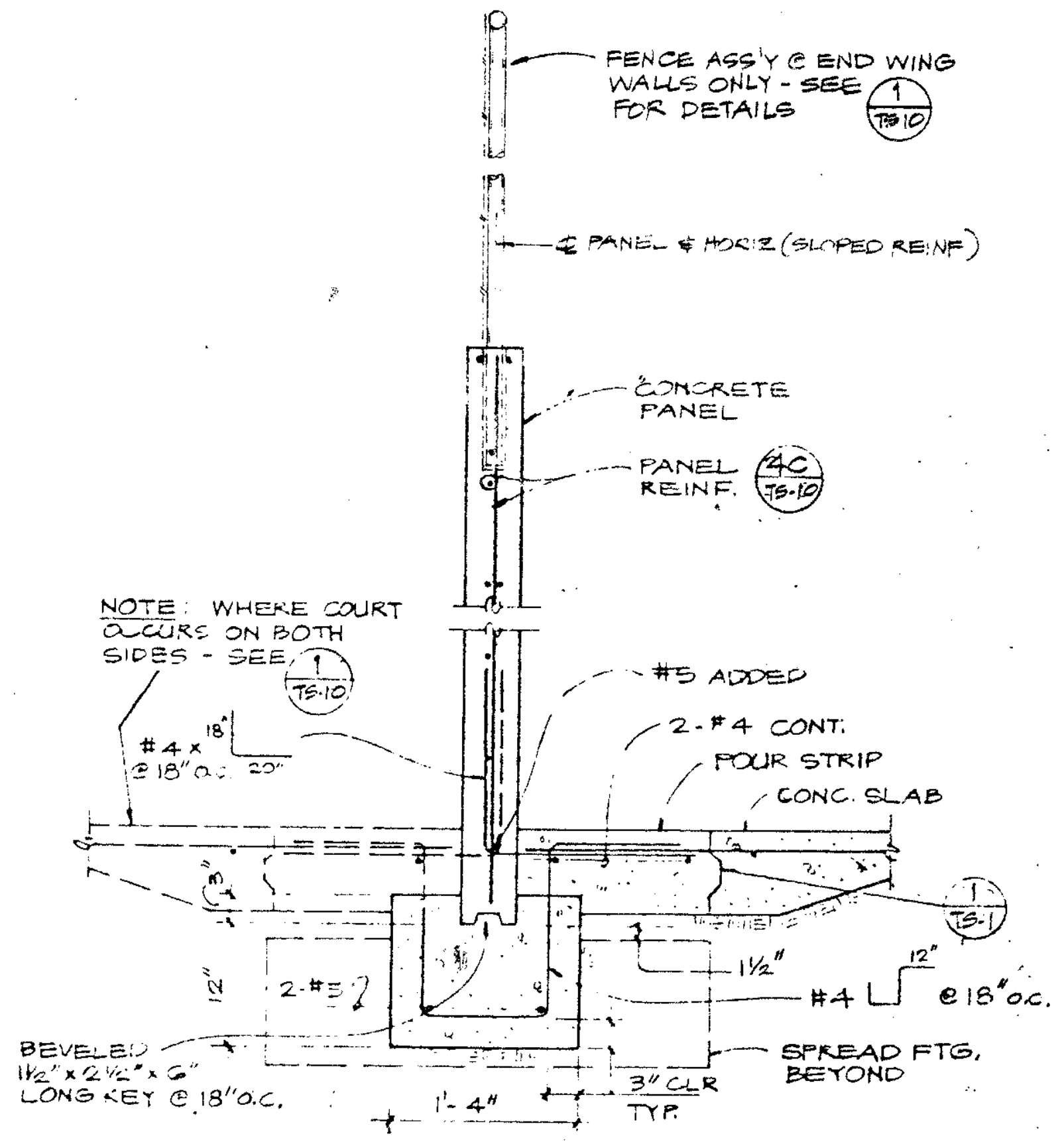
BDG #8

SECTION 3/4" **6**

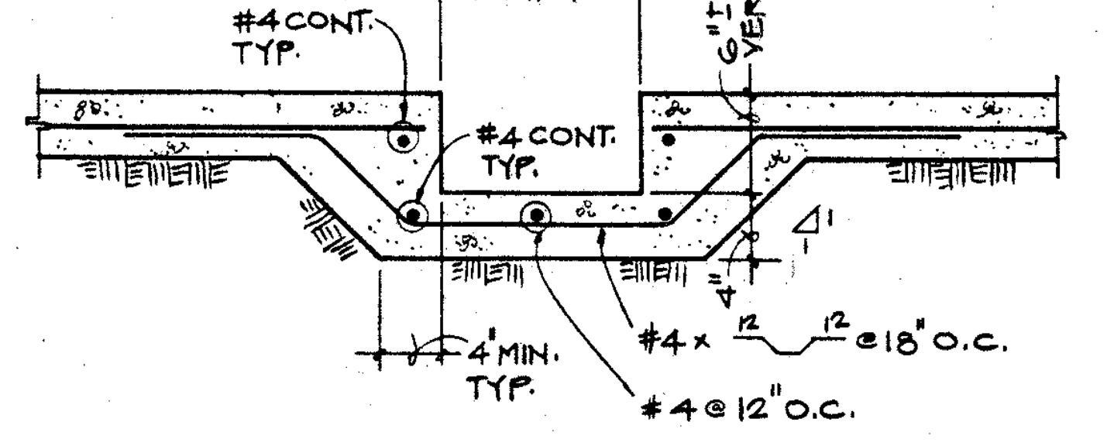

97
98
BEYOND 3/TS-6
2-2× PLATE CONT.
STUDS @ 16" O.C. TYP.
24"
24"
2 ROWS OF 16d @ 12" O.C. STAGGERED
E.N.
E.N.
2× PLATE
E.N.
STL. BM.
I-JOIST TYP.
14/TS-5
14/TS-5
STUDS @ 16" O.C.
CONCRETE MASONRY VENEER
4/TS-3 TYP.
AT COL. BEYOND SIM.
17/S-124
2× BLK'G.
STL. TUBE
FIN. CLG.
6/TS-3

BLDG #8

SECTION 3/4" **3**

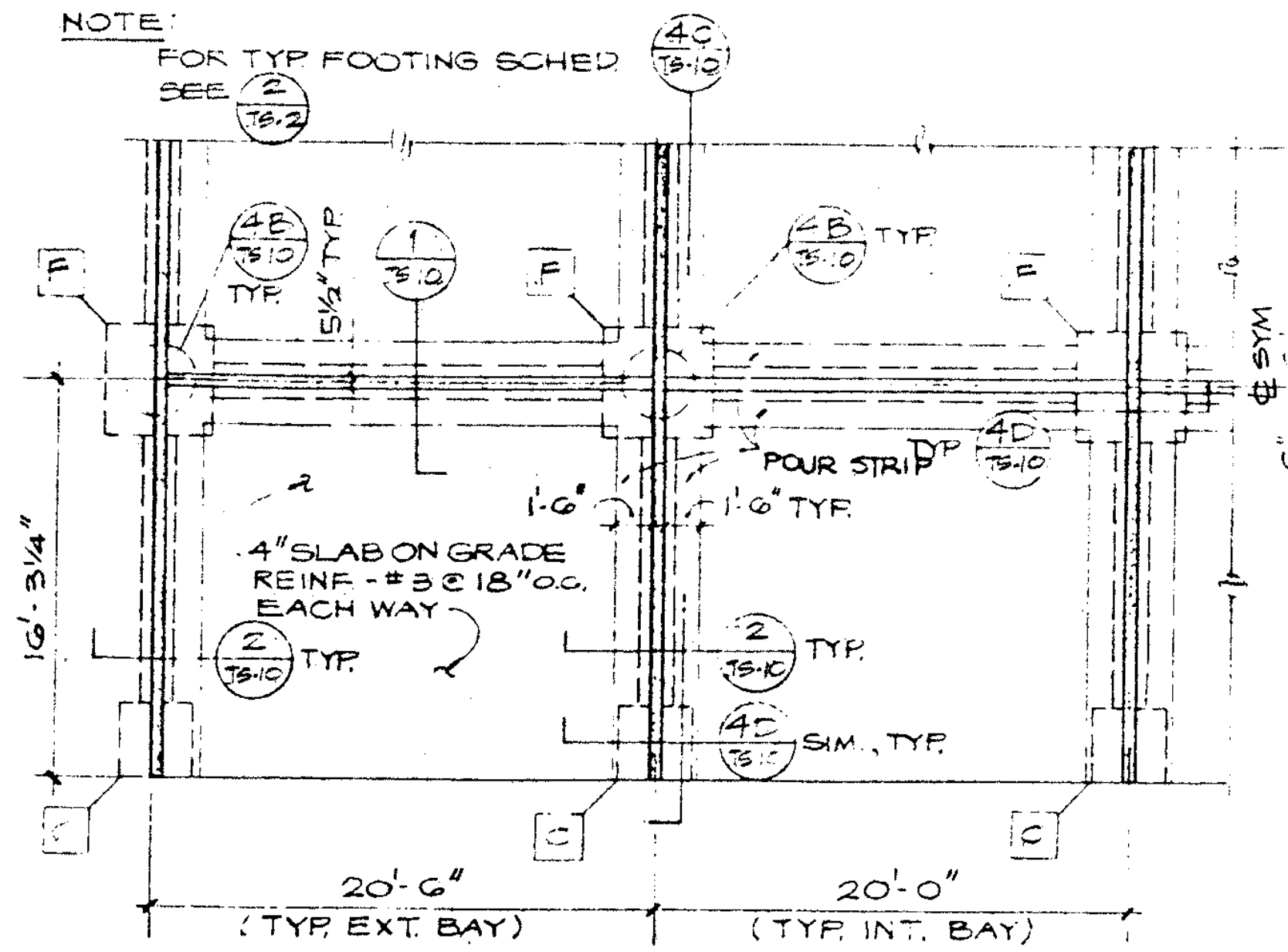

FENCE ASS'Y @ END WING WALLS ONLY - SEE 1/TS-10 FOR DETAILS
℄ PANEL & HORIZ (SLOPED REINF)
CONCRETE PANEL
PANEL REINF. 4C/TS-10
NOTE: WHERE COURT OCCURS ON BOTH SIDES - SEE 1/TS-10
#4 × 18" 20" @ 18" O.C.
#5 ADDED
2-#4 CONT.
POUR STRIP
CONC. SLAB
1/TS-1
1½"
12"
2-#5
#4 12" @ 18" O.C.
BEVELED 1½" × 2½" × 6" LONG KEY @ 18" O.C.
SPREAD FTG. BEYOND
1'-4"
3" CLR TYP.

SECTION 3/4 **2**

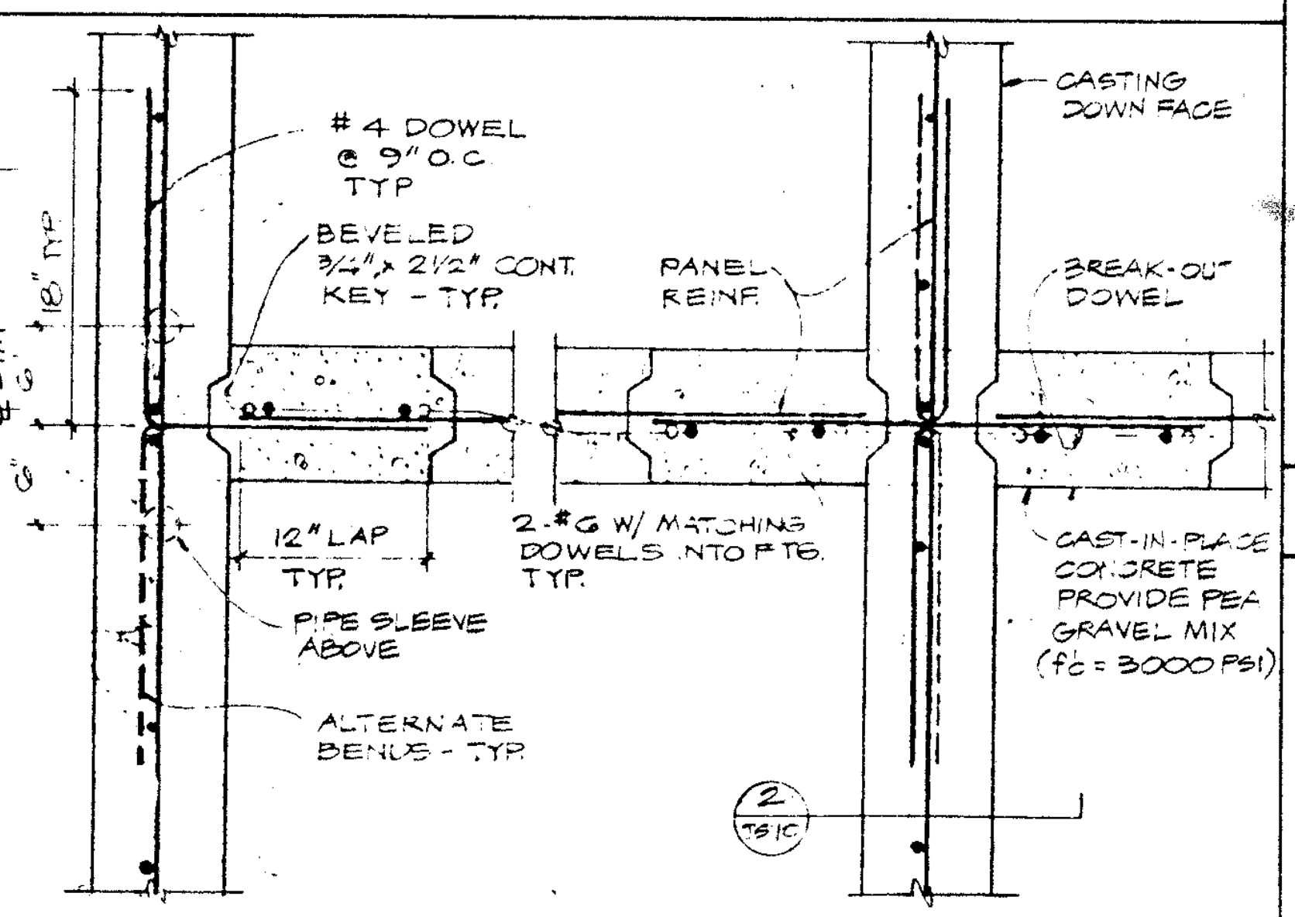

12" ± VERIFY
6" ± VERIFY
#4 CONT. TYP.
#4 CONT. TYP.
4'
4" MIN. TYP.
#4 × 12 12 @ 18" O.C.
#4 @ 12" O.C.

(BLDG. #12)

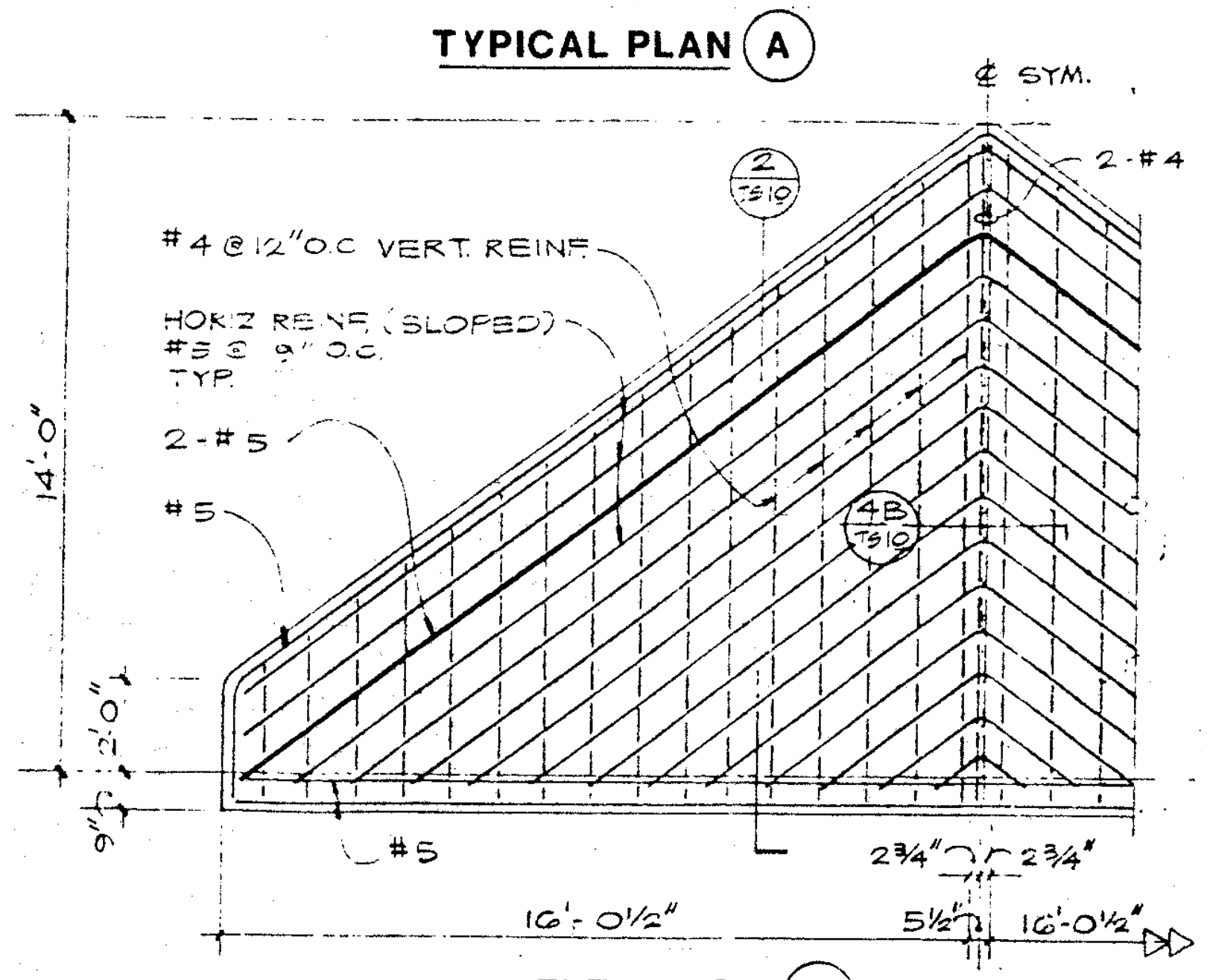
SECTION **11**


NOTE: FOR TYP FOOTING SCHED SEE 2/TS-2
4C/TS-10
4B/TS-10 TYP.
5½" TYP.
1/TS-10
F
F
F
4B/TS-10 TYP.
℄ SYM
18" TYP.
6"
6"
POUR STRIP TYP.
4D/TS-10
1'-6"
1'-6" TYP.
16'-3¼"
4" SLAB ON GRADE REINF. - #3 @ 18" O.C. EACH WAY
2/TS-10 TYP.
2/TS-10 TYP.
4D/TS-10 SIM., TYP.
C
C
C
20'-6" (TYP. EXT. BAY)
20'-0" (TYP. INT. BAY)

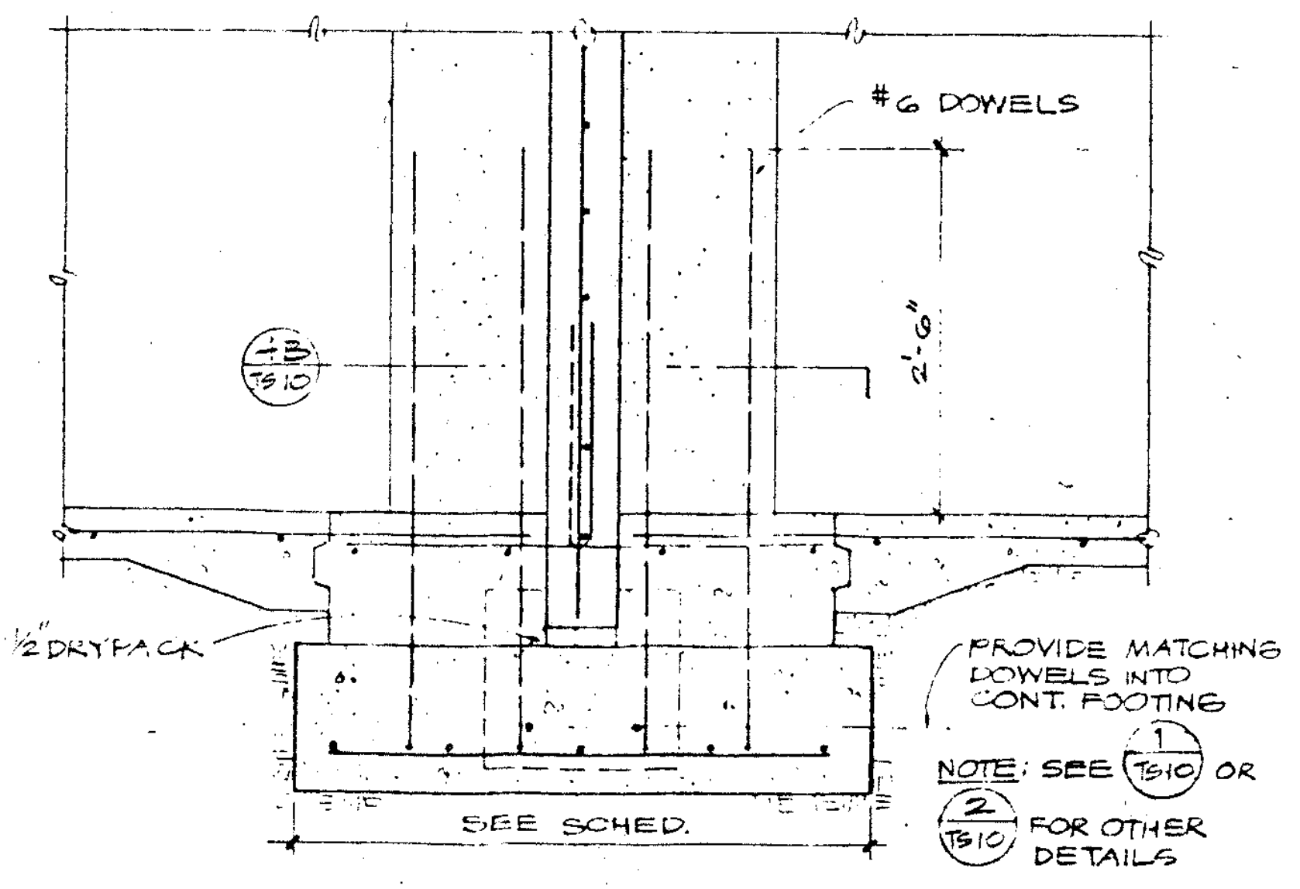
TYPICAL PLAN Ⓐ


# 4 DOWEL @ 9" O.C. TYP.
BEVELED 3/4" × 2½" CONT. KEY - TYP.
PANEL REINF.
CASTING DOWN FACE
BREAK-OUT DOWEL
12" LAP TYP.
2-#6 W/ MATCHING DOWELS INTO FTG. TYP.
PIPE SLEEVE ABOVE
ALTERNATE BENDS - TYP.
CAST-IN-PLACE CONCRETE PROVIDE PEA GRAVEL MIX (f'c = 3000 PSI)
2/TS-10

PLAN INTERSECTION Ⓑ

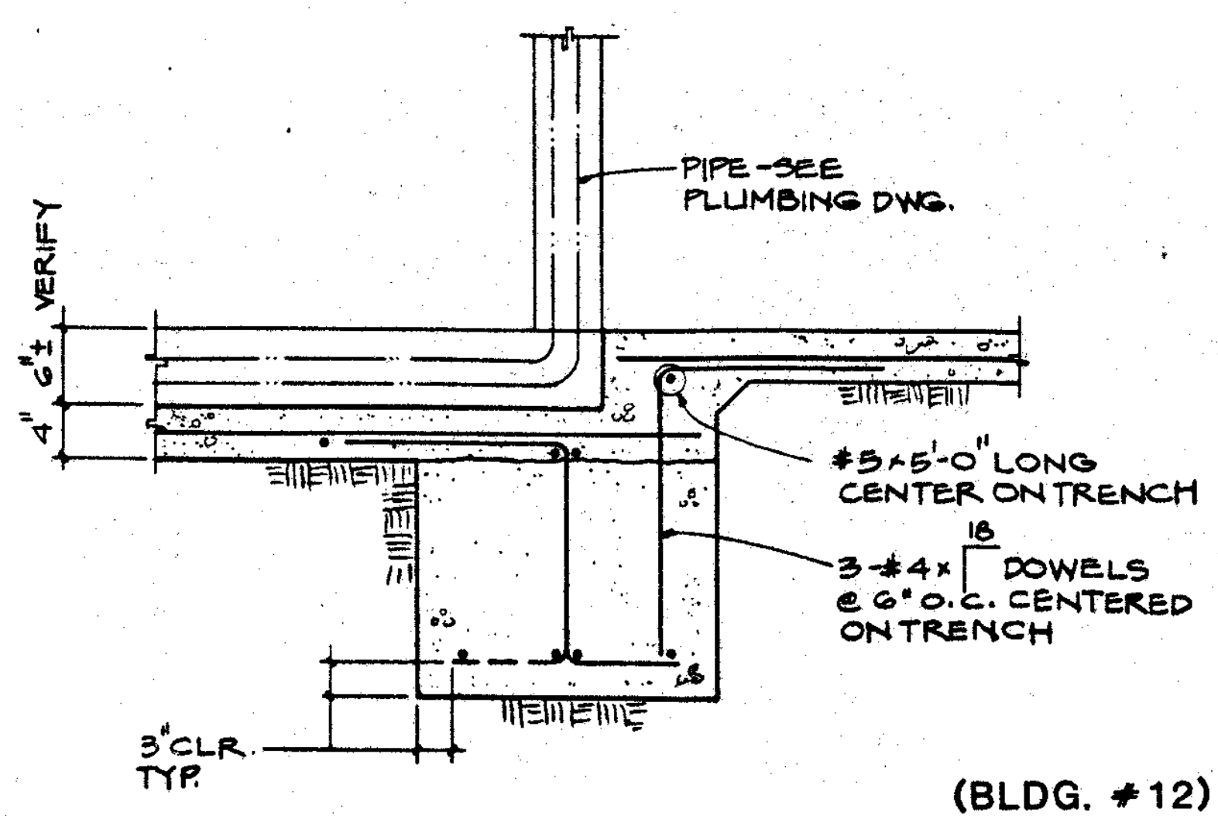

℄ SYM.
2-#4
2/TS-10
#4 @ 12" O.C. VERT. REINF.
HORIZ REINF. (SLOPED) #5 @ 9" O.C. TYP.
2-#5
#5
14'-0"
4B/TS-10
2'-0"
9"
#5
2¾" 2¾"
16'-0½"
5½"
16'-0½"

ELEVATION Ⓒ


#6 DOWELS
4B/TS-10
2'-6"
½" DRYPACK
PROVIDE MATCHING DOWELS INTO CONT. FOOTING
NOTE: SEE 1/TS-10 OR 2/TS-10 FOR OTHER DETAILS
SEE SCHED.

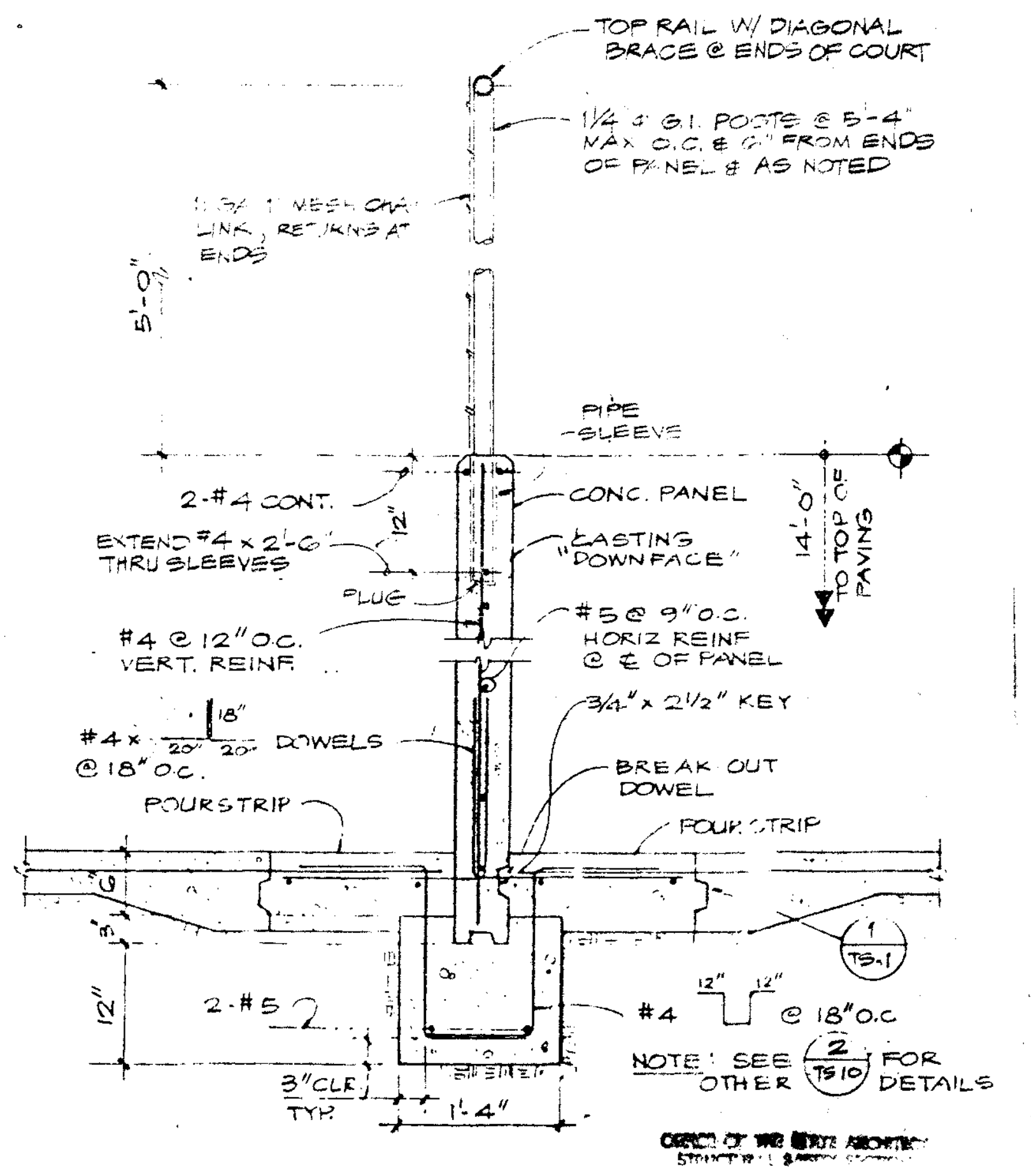
SECTION Ⓓ

TYP HANDBALL COURTS PLANS AND DETAILS AS NOTED **4**


PIPE - SEE PLUMBING DWG.
4"
6" ± VERIFY
#5 × 5'-0" LONG CENTER ON TRENCH
3-#4 × 18 DOWELS @ 6" O.C. CENTERED ON TRENCH
3" CLR. TYP.

(BLDG. #12)

SECTION 3/4 **10**


TOP RAIL W/ DIAGONAL BRACE @ ENDS OF COURT
1¼" ⌀ G.I. POSTS @ 5'-4" MAX. O.C. & 6" FROM ENDS OF PANEL & AS NOTED
11 GA. 1" MESH CHAIN LINK, RETURNS AT ENDS
5'-0"
PIPE SLEEVE
2-#4 CONT.
12"
CONC. PANEL
EXTEND #4 × 2'-6" THRU SLEEVES
CASTING "DOWN FACE"
PLUG
14'-0" TO TOP OF PAVING
#4 @ 12" O.C. VERT. REINF.
#5 @ 9" O.C. HORIZ REINF @ ℄ OF PANEL
3/4" × 2½" KEY
#4 × 18" 20" 20" DOWELS @ 18" O.C.
BREAK OUT DOWEL
POURSTRIP
POUR STRIP
1/TS-1
3"
12"
2-#5
#4 12" 12" @ 18" O.C.
NOTE: SEE 2/TS10 FOR OTHER DETAILS
3" CLR. TYP.
1'-4"

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 4 0 27 5 JUN 2 0 1988
M. C
PRINCIPAL STRUCTURAL ENGINEER

SECTION **1**

Drawn By MCL
Checked By SRL
Date MAR. 1988
Commission No. 130

Revisions

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Grossmont Union High School District
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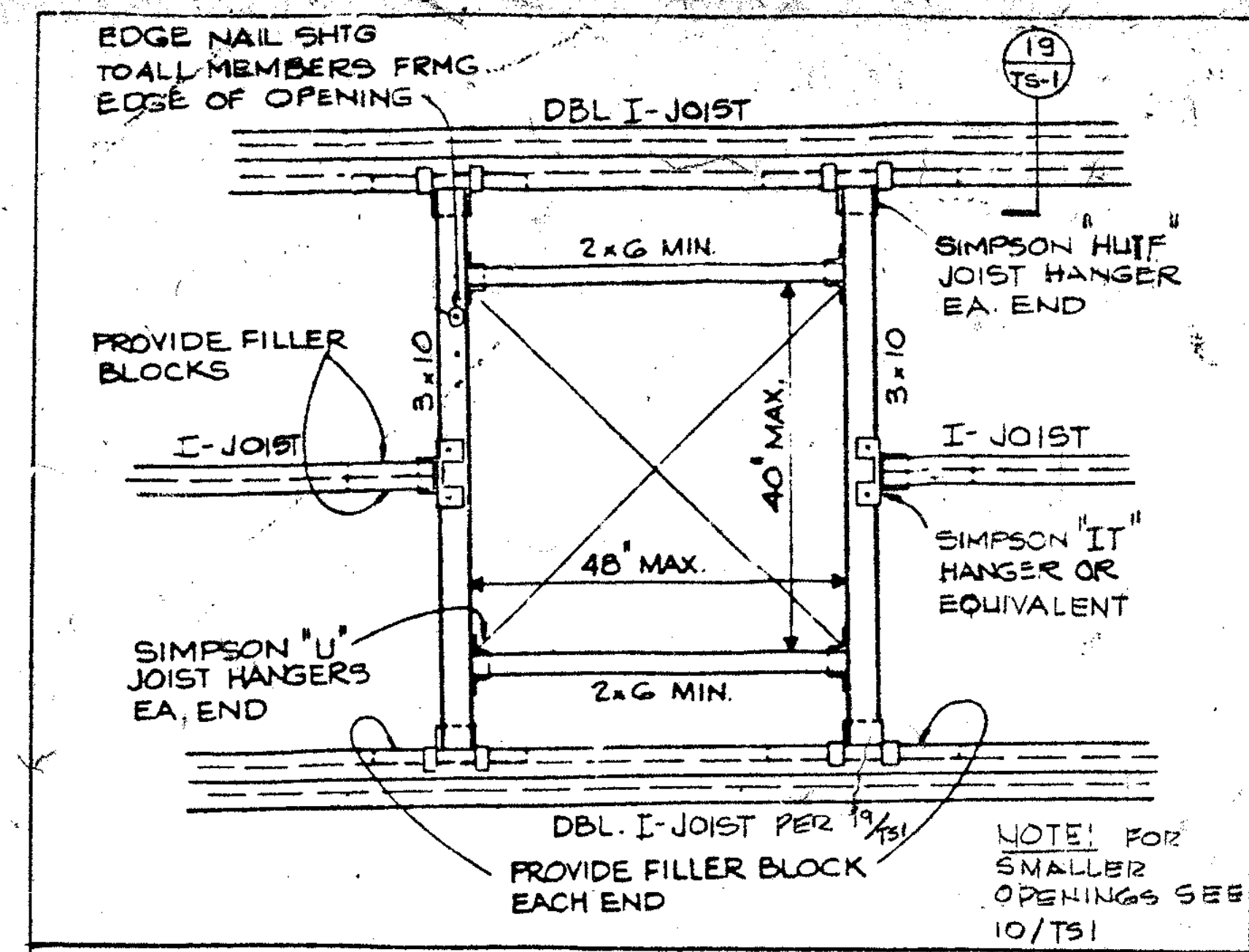
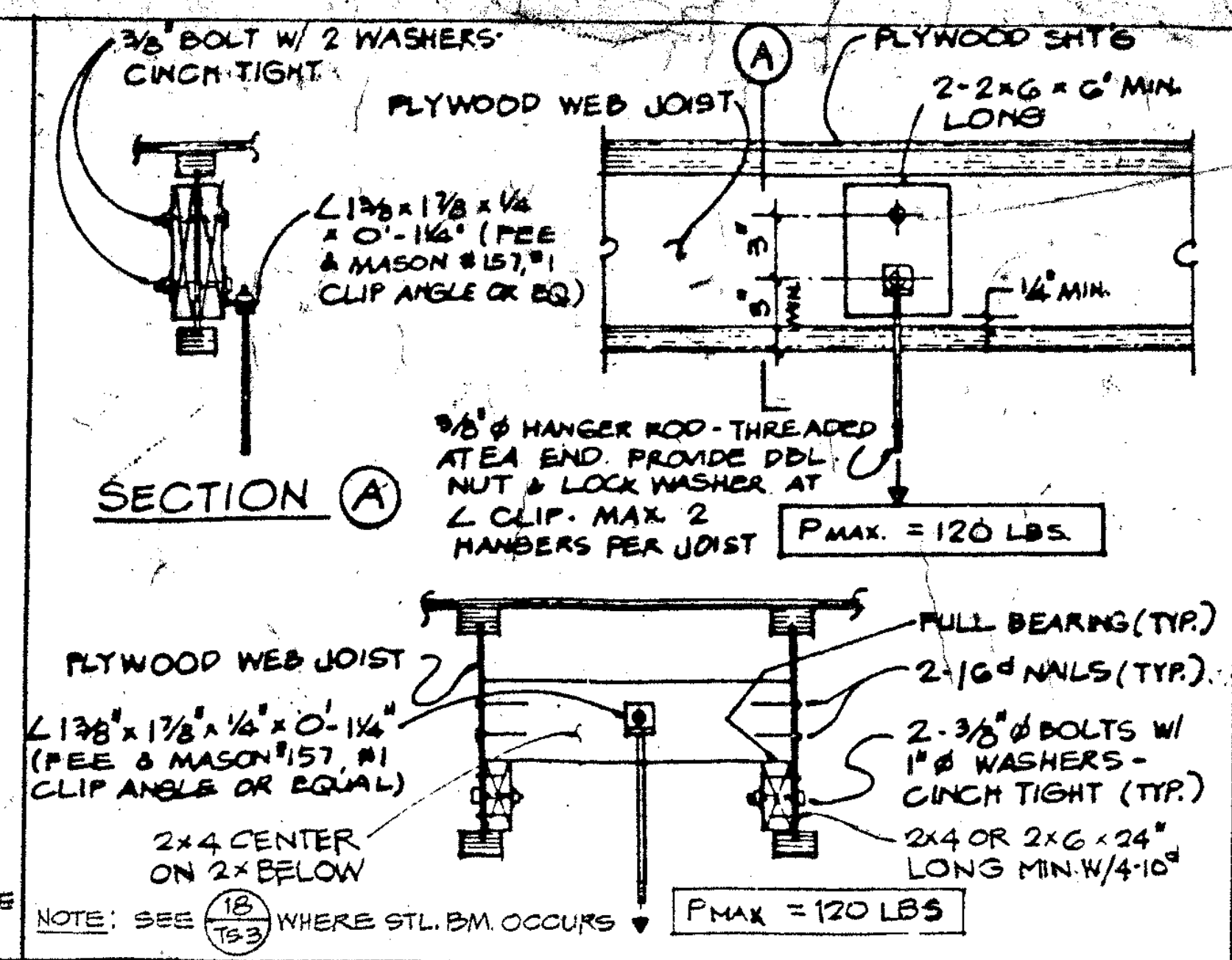
SECTIONS AND DETAILS

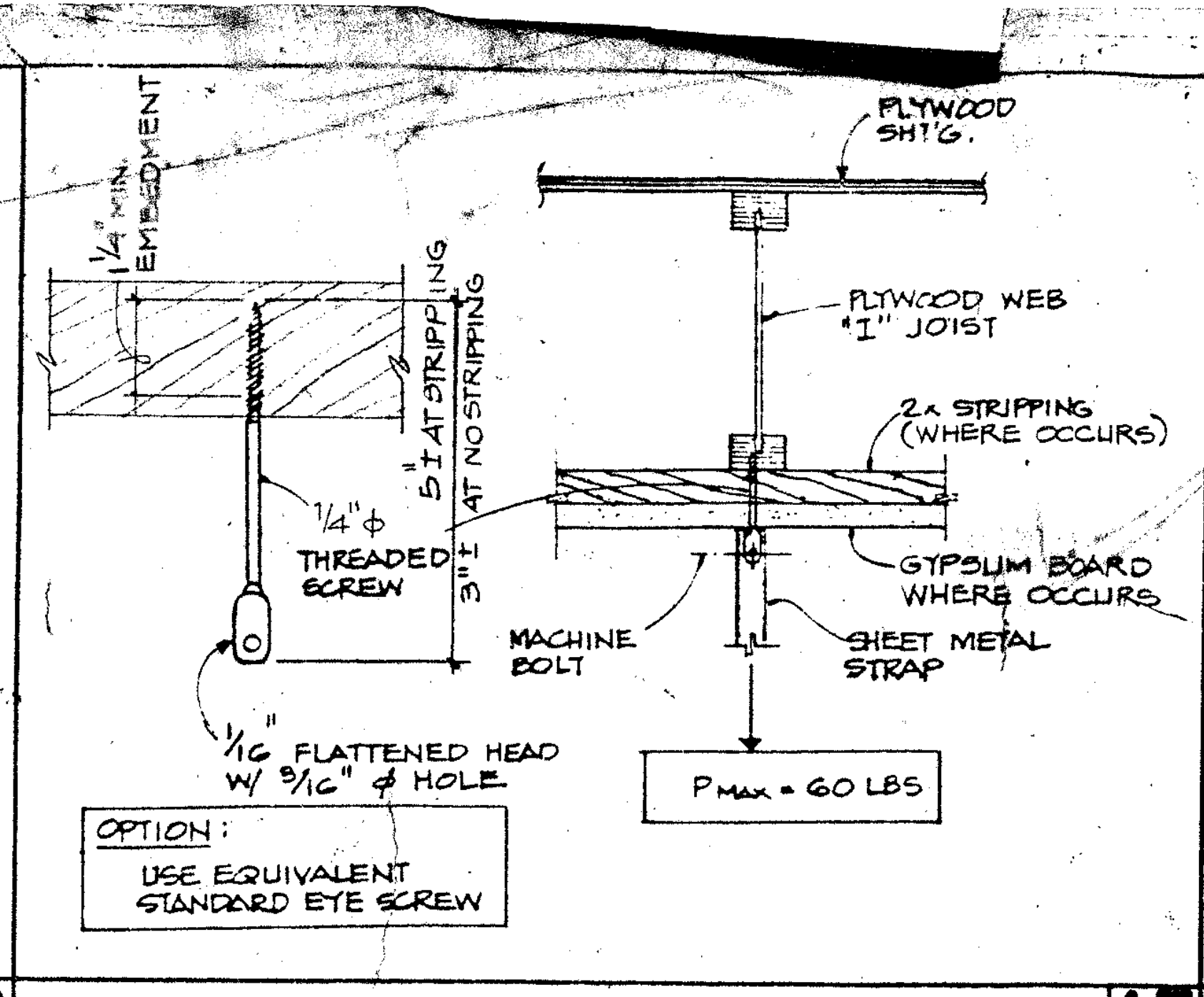
Sheet Number
TS-10
Of Sheets


EDGE NAIL SHTG TO ALL MEMBERS FRMG. EDGE OF OPENING
DBL I-JOIST
19 TS-1
2×G MIN.
PROVIDE FILLER BLOCKS
I-JOIST
3'-10"
48" MAX.
40" MAX.
SIMPSON "HU" JOIST HANGER EA. END
SIMPSON "IT" HANGER OR EQUIVALENT
SIMPSON "U" JOIST HANGERS EA. END
2×G MIN.
DBL. I-JOIST PER 5/TS1
PROVIDE FILLER BLOCK EACH END
NOTE: FOR SMALLER OPENINGS SEE 10/TS1

ROOF OPENING 25


3/8" BOLT W/ 2 WASHERS CINCH TIGHT
A
PLYWOOD SHTG
PLYWOOD WEB JOIST
2-2×G × G" MIN. LONG
L 1 3/8" × 1 3/8" × 1/4" × 0'-1 1/4" (FEE & MASON #157, #1 CLIP ANGLE OR EQ)
1/4" MIN.
3/8" Ø HANGER ROD - THREADED AT EA. END. PROVIDE DBL. NUT & LOCK WASHER AT CLIP. MAX. 2 HANGERS PER JOIST
SECTION A
PMAX = 120 LBS.
PLYWOOD WEB JOIST
FULL BEARING (TYP.)
2-1/G NAILS (TYP.)
L 1 3/8" × 1 3/8" × 1/4" × 0'-1 1/4" (FEE & MASON #157 #1 CLIP ANGLE OR EQUAL)
2-3/8" Ø BOLTS W/ #G WASHERS - CINCH TIGHT (TYP.)
2×4 CENTER ON 2×BELOW
2×4 OR 2×G × 24" LONG MIN. W/4-10d
NOTE: SEE 16 TS-3 WHERE STL. BM OCCURS
PMAX = 120 LBS

MECH. EQUIPMENT HANGERS 20


PLYWOOD SHT'G.
1/4" MIN. EMBEDMENT
PLYWOOD WEB "I" JOIST
2× STRIPPING (WHERE OCCURS)
5"± AT STRIPPING
3"± AT NO STRIPPING
1/4" Ø
THREADED SCREW
MACHINE BOLT
GYPSUM BOARD WHERE OCCURS
SHEET METAL STRAP
1/16" FLATTENED HEAD W/ 9/16" Ø HOLE
PMAX = 60 LBS
OPTION: USE EQUIVALENT STANDARD EYE SCREW

MECH. DUCT HANGER 15

SHEATHING NOTES

1. PLYWOOD SHEATHING: U.S. PRODUCT STD PS 1-83 APA STRUCTURAL I RATED SHEATHING EXPOSURE 1.

   THICKNESS: 1/2 INCH

2. NAILS FOR PLYWOOD SHEATHING: 10d (9 GA. × 2 1/8" MIN.) FULL HEAD, COMMON WIRE.

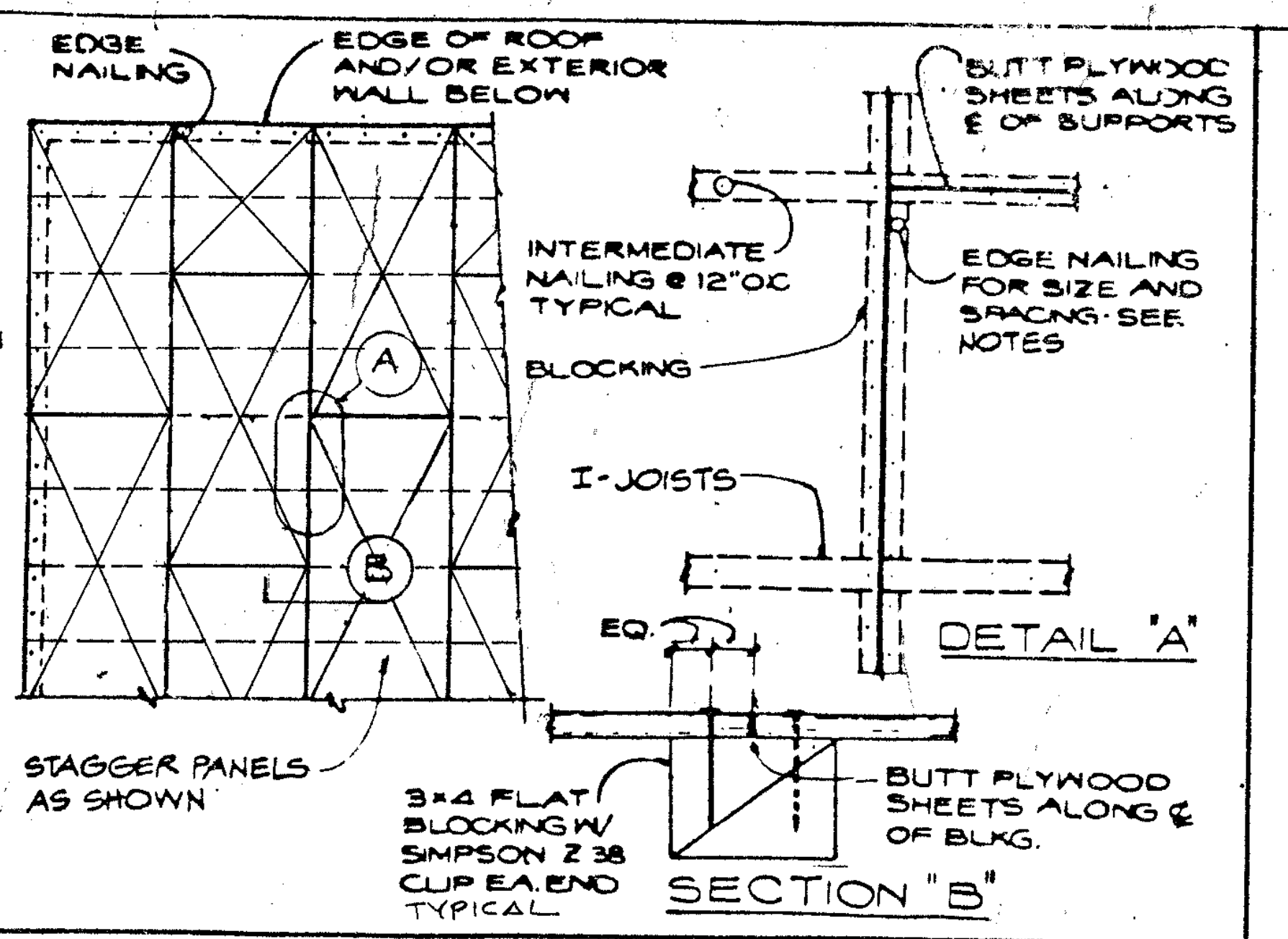
   EDGE NAILING: @ 4" O.C. TYP. U.N.O. SEE ROOF FRAMING PLAN
   FIELD NAILING: @ 12" O.C.

3. PROVIDE PLYWOOD SHEETS NOT LESS THAN 2'-0" IN LEAST DIMENSION NOR LESS THAN 8'-0" SQ. FEET IN AREA. USE FULL SIZE SHEETS WHEREVER POSSIBLE.

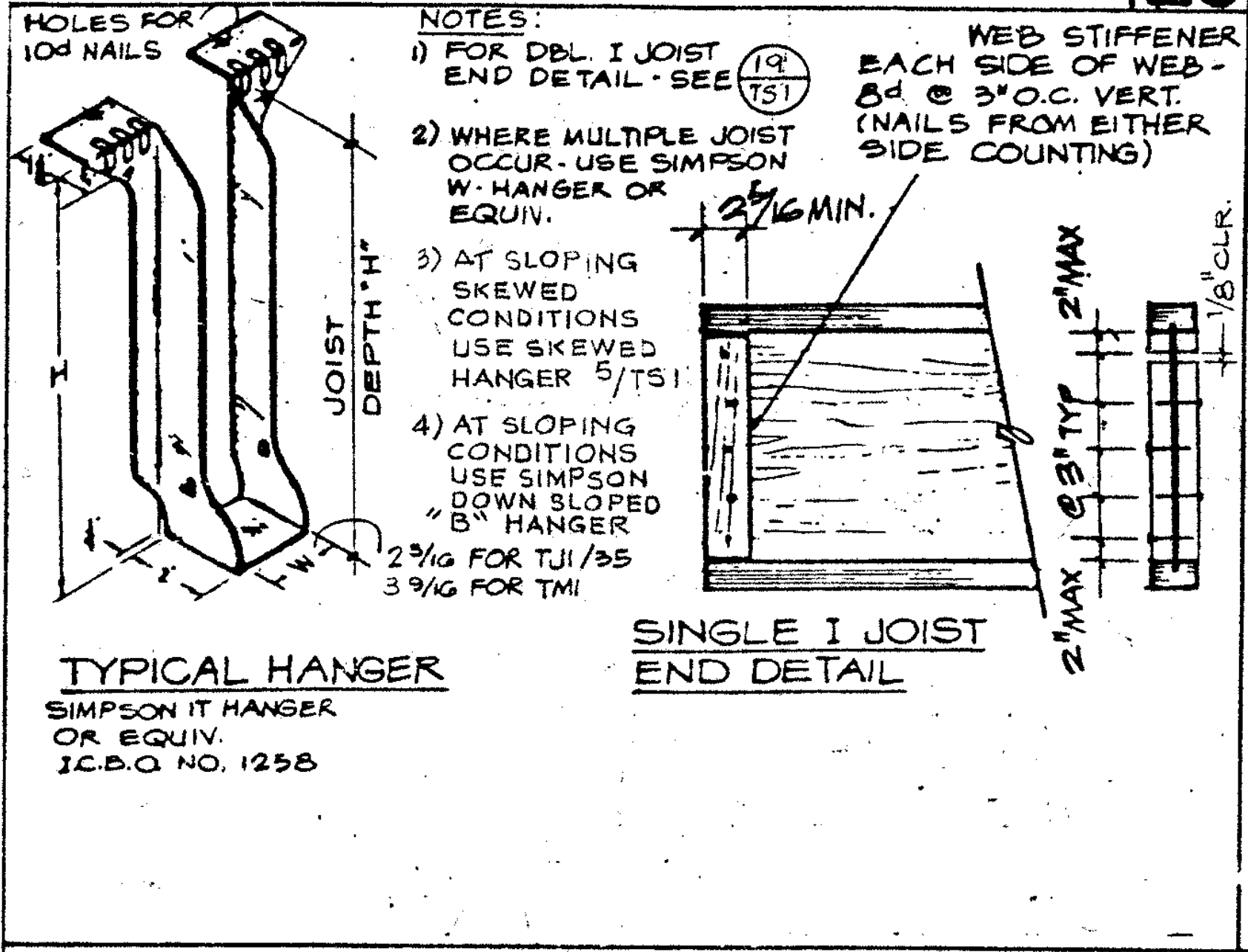
4. PLACE PLYWOOD SHEET WITH FACE PLIES PERPENDICULAR TO JOISTS.

5. COORDINATE JOIST LAYOUT WITH PLYWOOD SHEATHING PATTERN AS SHOWN.

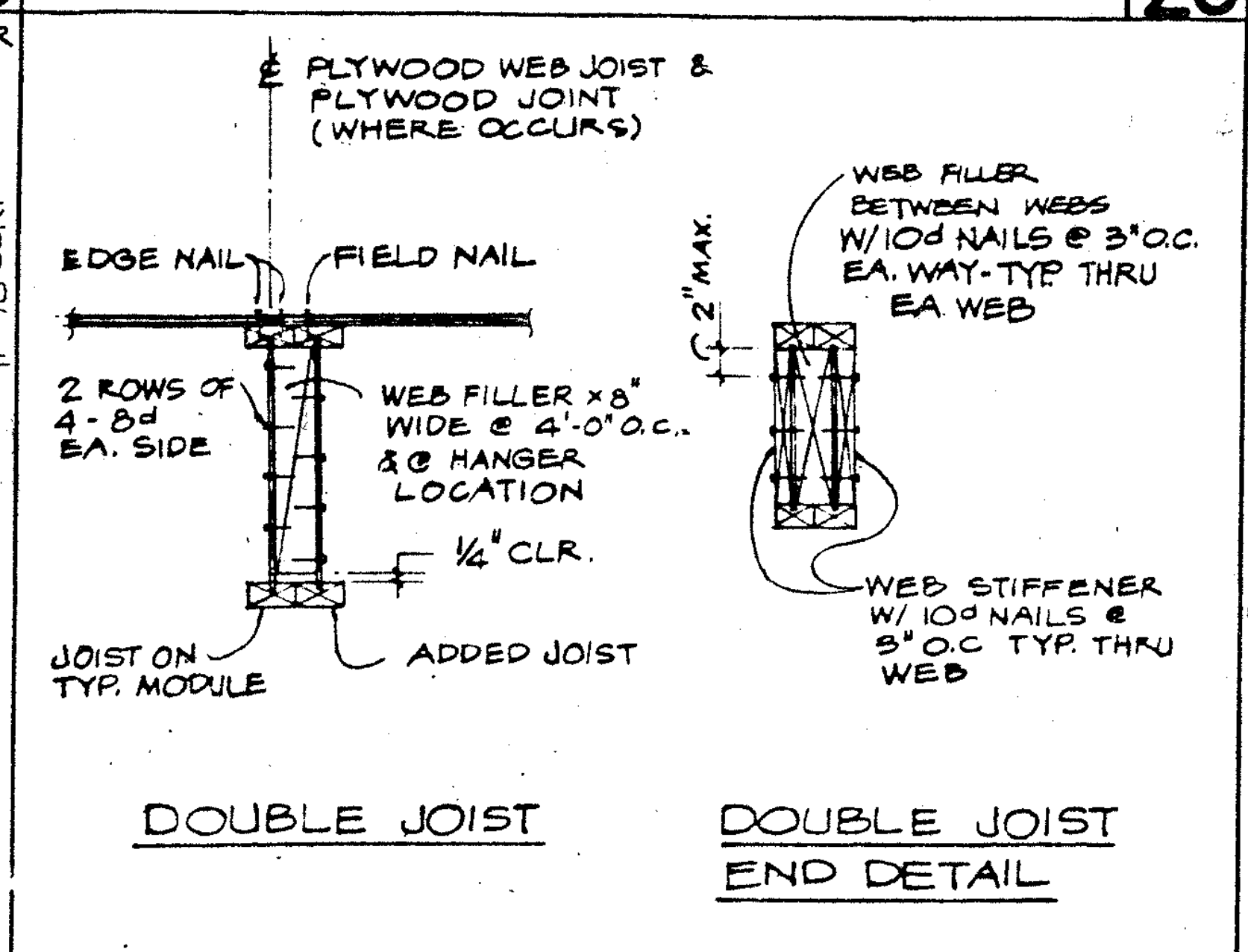
6. MACHINE APPLIED NAILING: THE CONTRACTOR SHALL DEMONSTRATE SATISFACTORY INSTALLATION ON THE JOB AND OBTAIN THE ACCEPTANCE OF THE FIELD REPRESENTATIVE OF O.S.A. AND THE ARCHITECT AND/OR STRUCTURAL ENGINEER BEFORE THE USE OF MACHINE APPLIED NAILS CAN BE APPROVED. APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. REMOVE ALL "SHINERS".


EDGE NAILING
EDGE OF ROOF AND/OR EXTERIOR WALL BELOW
BUTT PLYWOOD SHEETS ALONG € OF SUPPORTS
INTERMEDIATE NAILING @ 12" O.C. TYPICAL
EDGE NAILING FOR SIZE AND SPACING SEE NOTES
BLOCKING
A
B
I-JOISTS
EQ.
DETAIL "A"
STAGGER PANELS AS SHOWN
3×4 FLAT BLOCKING W/ SIMPSON Z 38 CLIP EA. END TYPICAL
SECTION "B"
BUTT PLYWOOD SHEETS ALONG € OF BLKG.

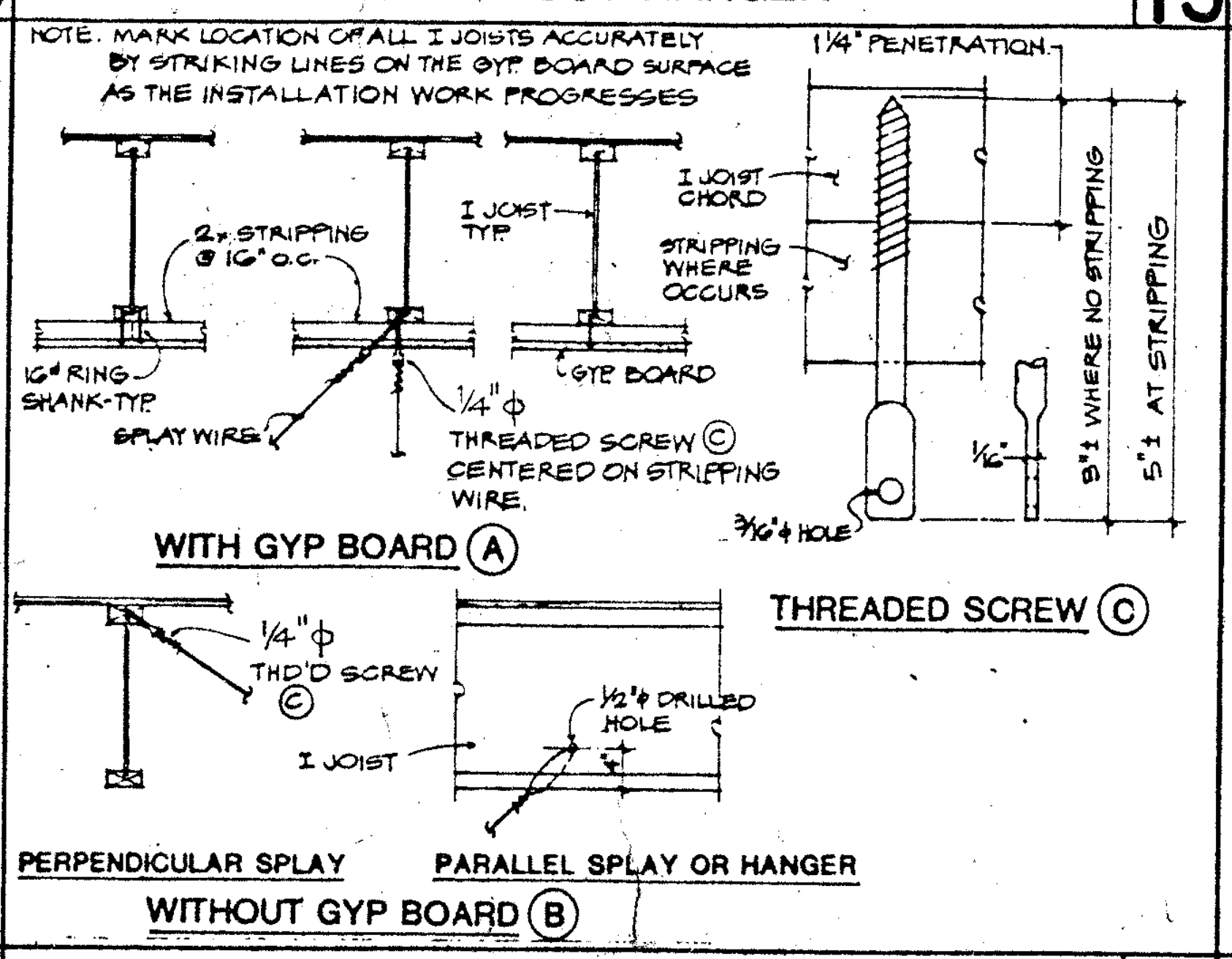
PLYWOOD ROOF SHEATHING 6


HOLES FOR 10d NAILS
NOTES:
1) FOR DBL I JOIST END DETAIL - SEE 19 TS1
2) WHERE MULTIPLE JOIST OCCUR - USE SIMPSON W-HANGER OR EQUAL
3) AT SLOPING SKEWED CONDITIONS USE SKEWED HANGER 5/TS1
4) AT SLOPING CONDITIONS USE SIMPSON DOWN SLOPED "B" HANGER
WEB STIFFENER EACH SIDE OF WEB - 8d @ 3" O.C. VERT. (NAILS FROM EITHER SIDE COUNTING)
2 5/16 MIN.
2 5/16 FOR TJI/35
3 9/16 FOR TMI
JOIST DEPTH "H"
TYPICAL HANGER
SIMPSON IT HANGER OR EQUIV. I.C.B.O. NO. 1258
SINGLE I JOIST END DETAIL

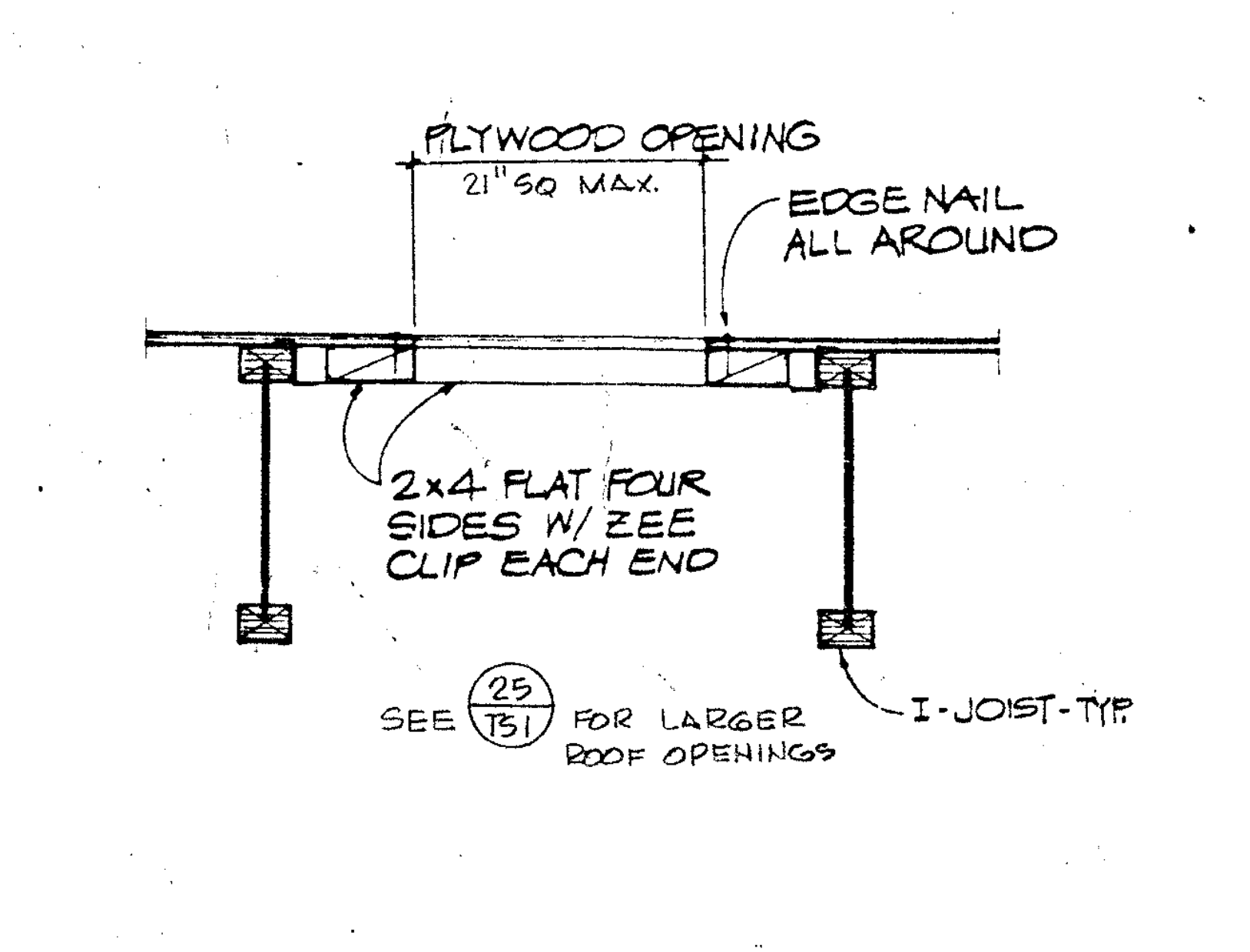
I-JOIST HANGER 24


PLYWOOD WEB JOIST & PLYWOOD JOINT (WHERE OCCURS)
EDGE NAIL
FIELD NAIL
2 ROWS OF 4 - 8d EA. SIDE
WEB FILLER BETWEEN WEBS W/10d NAILS @ 3" O.C. EA. WAY - TYP. THRU EA WEB
WEB FILLER × 8" WIDE @ 4'-0" O.C. & @ HANGER LOCATION
1/4" CLR.
JOIST ON TYP. MODULE
ADDED JOIST
WEB STIFFENER W/ 10d NAILS @ 3" O.C. TYP. THRU WEB
DOUBLE JOIST
DOUBLE JOIST END DETAIL

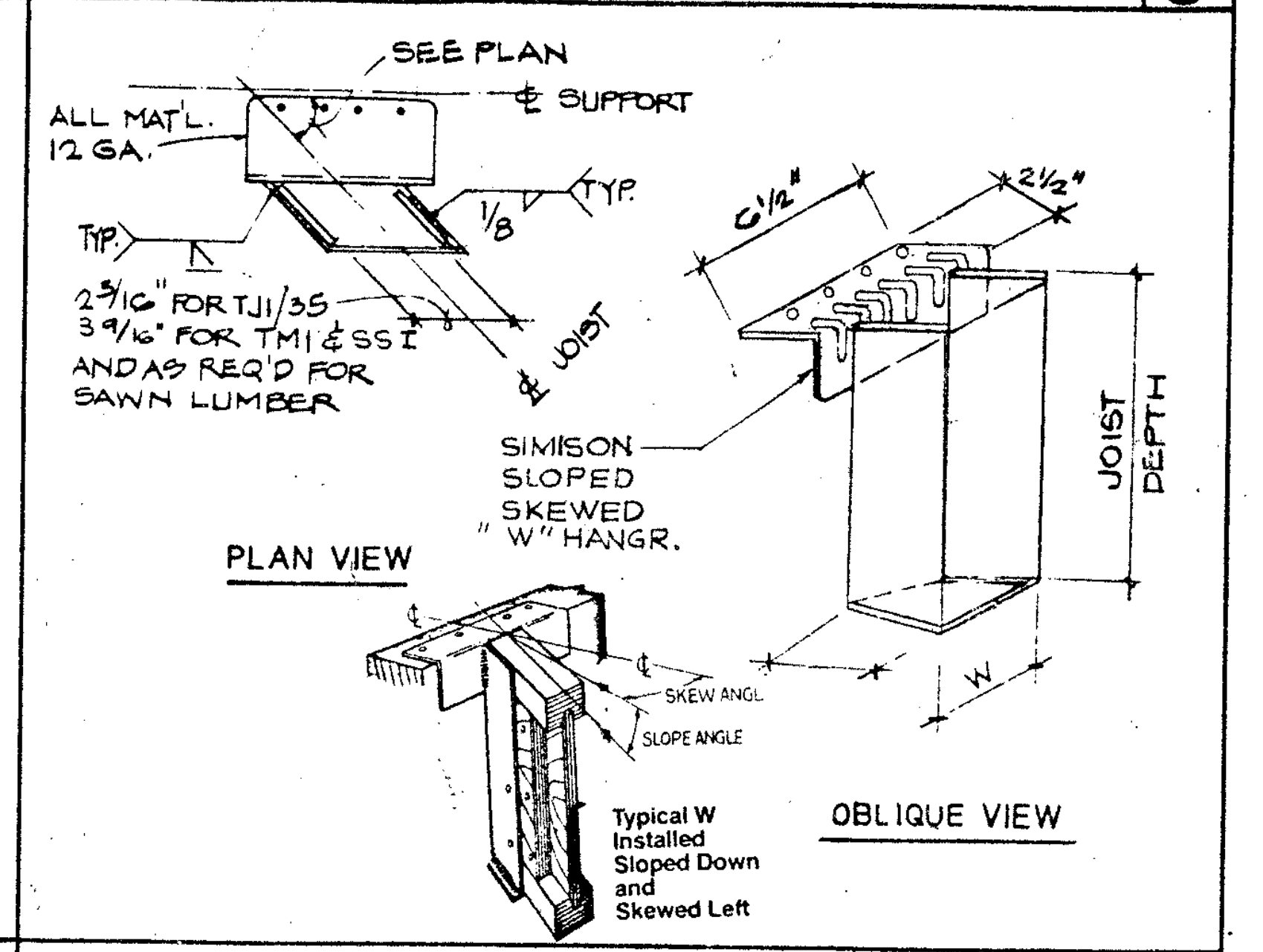
DBL PLYWOOD JOIST DETAIL 19


NOTE: MARK LOCATION OF ALL I JOISTS ACCURATELY BY STRIKING LINES ON THE GYP BOARD SURFACE AS THE INSTALLATION WORK PROGRESSES
1 1/4" PENETRATION
2× STRIPPING @ 16" O.C.
I JOIST TYP.
I JOIST CHORD
STRIPPING WHERE OCCURS
12 GA. RING SHANK TYP.
SPLAY WIRE
1/4" Ø
THREADED SCREW C CENTERED ON STRIPPING
WIRE
GYP BOARD
WITH GYP BOARD A
THREADED SCREW C
PERPENDICULAR SPLAY
PARALLEL SPLAY OR HANGER
WITHOUT GYP BOARD B

CEILING WIRE HANGER DETAILS 14


PLYWOOD OPENING
21" SQ. MAX.
EDGE NAIL ALL AROUND
2×4 FLAT FOUR SIDES W/ ZEE CLIP EACH END
SEE 25 TS1 FOR LARGER ROOF OPENINGS
I-JOIST - TYP.

DETAIL 10


SEE PLAN
€ SUPPORT
ALL MATL. 12 GA.
TYP.
2 5/16" FOR TJI/35
3 9/16" FOR TMI & 55
AND AS REQ'D FOR SAWN LUMBER
SIMPSON SLOPED SKEWED "W" HANGR.
PLAN VIEW
JOIST DEPTH
Typical W Installed Sloped Down and Skewed Left
OBLIQUE VIEW

TYP. SKEWED HANGER 5

GENERAL NOTES AND STRUCTURAL MATERIAL SPECIFICATIONS

1. VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE.
2. COORDINATE STRUCTURAL DETAILS AND DIMENSIONS WITH RELATED REQUIREMENTS ON ALL DRAWINGS.
3. THE ARCHITECT WILL INTERPRET THE INTENT OF THE DOCUMENTS IN CASE OF POSSIBLE CONFLICT OR DISCREPANCY BETWEEN STRUCTURAL AND OTHER DISCIPLINES.
4. DETAILS NOTED AS "TYPICAL" OR "TYP" SHALL APPLY IN ALL CASES WHETHER OR NOT SPECIFICALLY REFERENCED.
5. WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF TITLES 21 AND 24, CALIFORNIA ADMINISTRATIVE CODE AND 1979 EDITION UNIFORM BUILDING CODE
6. BASIC STRUCTURAL MATERIAL REQUIREMENTS

METAL ROOF DECK:	ASTM A446 AND A525, G 90
REINFORCING STEEL:	#4 AND SMALLER ASTM A615 GRADE 40 #5 AND LARGER ASTM A615 GRADE 60
STRUCTURAL STEEL:	ASTM A36
TUBE COLUMNS:	ASTM A500, GRADE B Fy = 46 KSI
PIPE COLUMNS:	ASTM A53, GRADE B
HIGH STRENGTH BOLTS:	ASTM A325F (SEE NOTE NO. 12)
BOLTS:	ASTM A307
CONCRETE:	NORMAL WEIGHT CONCRETE SLAB ON GRADE f'c = 2500 psi AT 28 DAYS ALL OTHERS f'c = 3000 psi AT 28 DAYS
SAWN TIMBER:	DOUGLAS FIR No. 1 OR BETTER EXCEPT USE NO 2 OR BETTER FOR 2×4, 2×6
PLYWOOD:	U.S. PRODUCT STANDARD PS1 1-83 STRUCT. I EXPOSURE 1 RATED SHEATHING.
PLYWOOD WEB JOISTS:	SEE NOTE No 11 BELOW
SIMPSON CONNECTORS:	SIMPSON CO. CATALOG No. 87H-1 RETIGHTEN BOLTS BEFORE CLOSING IN
CONCRETE BLOCK:	ASTM C90 GRADE N-1 (MEDIUM WEIGHT) SEE SPECIFICATION Division 4 FOR GROUTING REQUIREMENTS. f'm = 1500 PSI
GROUT:	MIN. COMPRESSIVE STRENGTH = 2000 psi AT 28 DAYS
Mortar:	MIN. COMPRESSIVE Strength = 1800 psi AT 28 DAYS

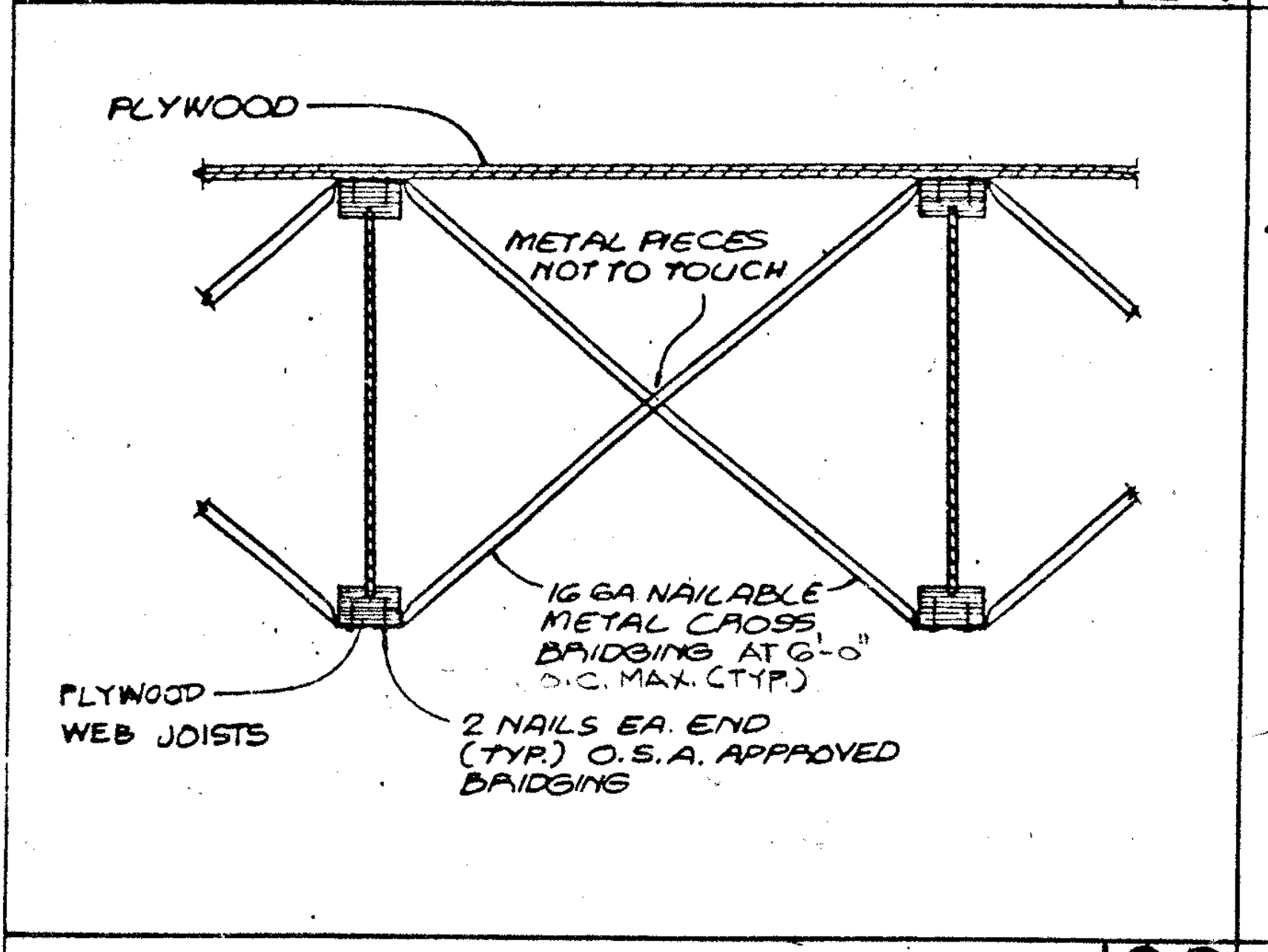
7. AUTOMATIC END WELDED STUDS MAY BE SUBSTITUTED FOR THE WELDED STUD BOLTS.
8. STRUCTURAL PLANS INDICATE ONLY THE APPROXIMATE LOCATION OF MECHANICAL, ELECTRICAL AND OTHER EQUIPMENT, AS WELL AS RELATED AUXILIARY FRAMING NECESSARY TO SUPPORT SUCH GEAR. THE FINAL POSITIONING OF THESE ITEMS IS DEPENDENT UPON THE EQUIPMENT SELECTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK BETWEEN SUBCONTRACTORS AND CRAFTS IN THIS REGARD, AND PROVIDE NECESSARY DIMENSIONS IN A TIMELY MANNER TO ALL PARTIES AND DETAILERS INVOLVED.
9. REFER TO ARCHITECTURAL PLANS AND SECTIONS FOR THE EXTENT, DEPTH AND SLOPES OF ALL DEPRESSIONS OR IRREGULARITIES IN FLOORS. STRUCTURAL PLANS MAY NOT INDICATE ALL SUCH SPECIAL FEATURES.
10. FOUNDATION: GEOTECHNICAL INVESTIGATION BY SCHAEFER DIXON ASSOCIATES. PROJECT NO. 6L-622, DATED FEBRUARY 12, 1987.

    SOIL TYPE: CLAYEY SAND WITH SOME GRAVEL.

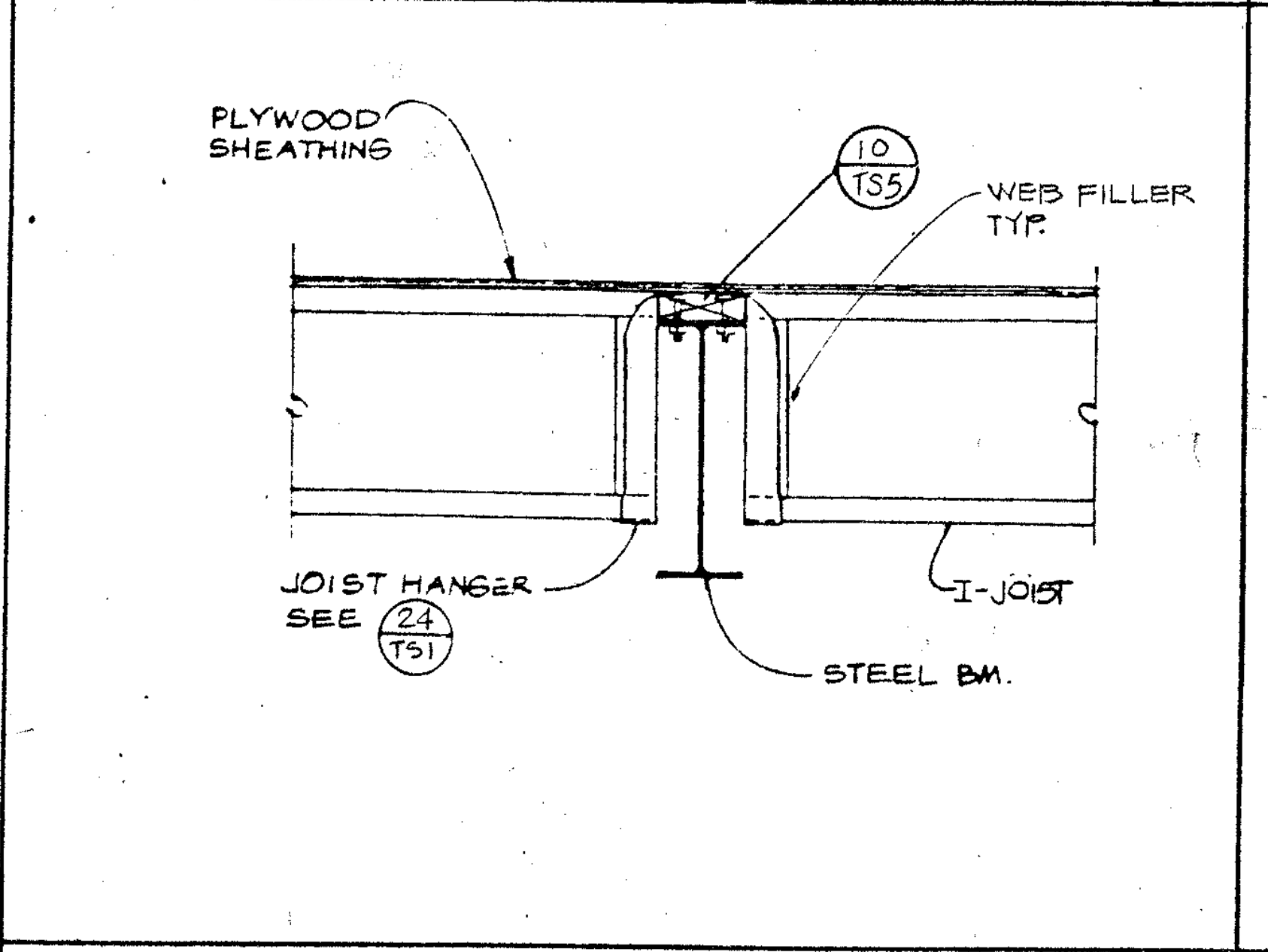
    DESIGN BEARING PRESSURE: 2000 PSF IN PROPERLY COMPACTED FILL.

    BOTTOM OF FOOTING SHALL BE ESTABLISHED MINIMUM 12" BELOW LOWEST ADJACENT FINAL GRADE AT 1 STORY STRUCTURE. MINIMUM 18" AT 2 STORY STRUCTURE

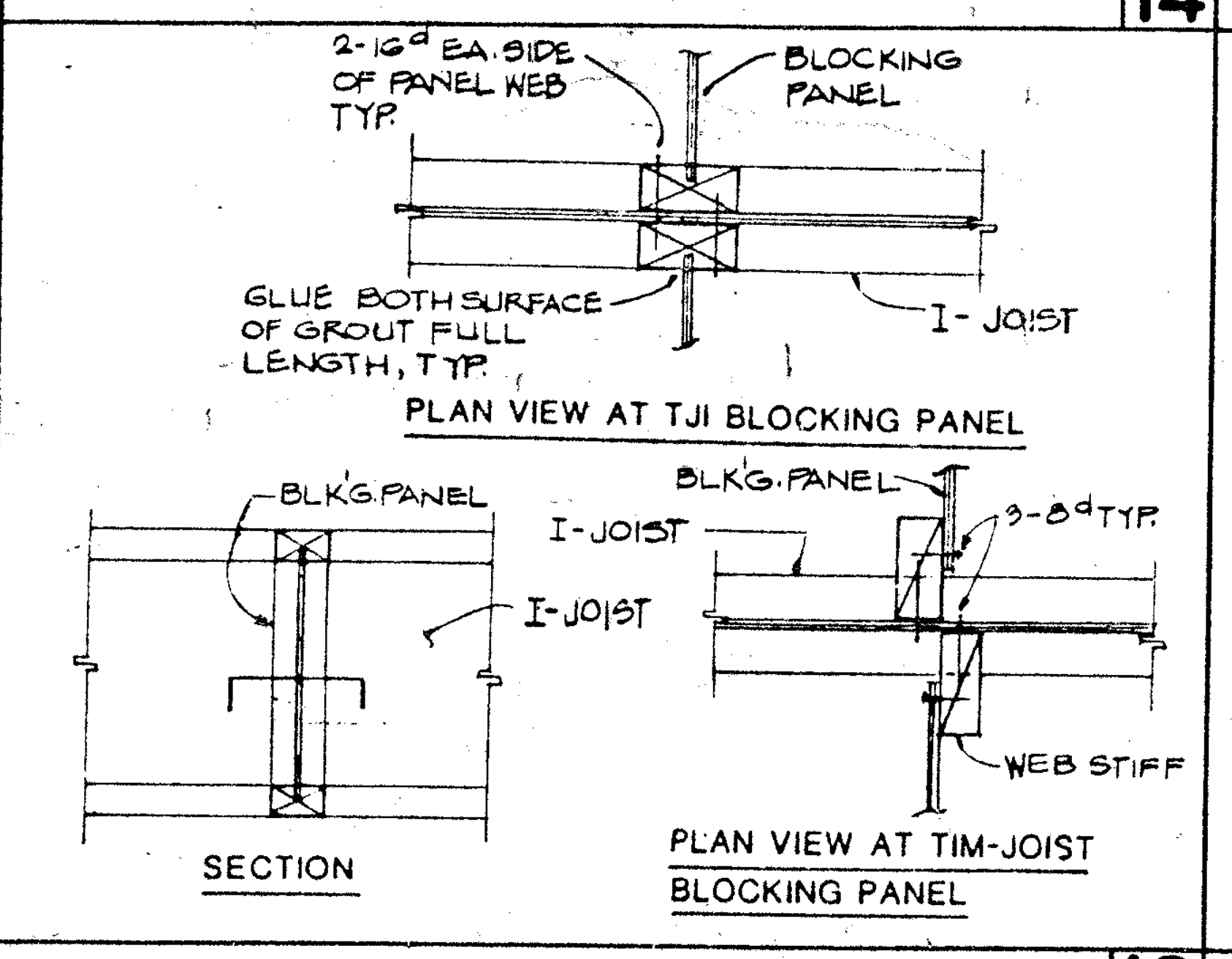
11. PLYWOOD WEB JOISTS SCHEDULE - SEE 19/TS-3
12. HIGH STRENGTH BOLTS, WHERE REQUIRED PER DRAWING, SHALL CONFORM TO A.S.T.M. A-325 FRICTION TYPE. INSTALLATION OF HIGH STRENGTH BOLTS SHALL CONFORM TO "THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING A.S.T.M. A-325 OR A-490 BOLTS" AND SHALL HAVE CONTINUOUS INSPECTION.


PLYWOOD
METAL PIECES NOT TO TOUCH
16 GA NAILABLE METAL CROSS BRIDGING AT 6'-0" O.C. MAX. (TYP)
PLYWOOD WEB JOISTS
2 NAILS EA. END (TYP.) O.S.A. APPROVED BRIDGING

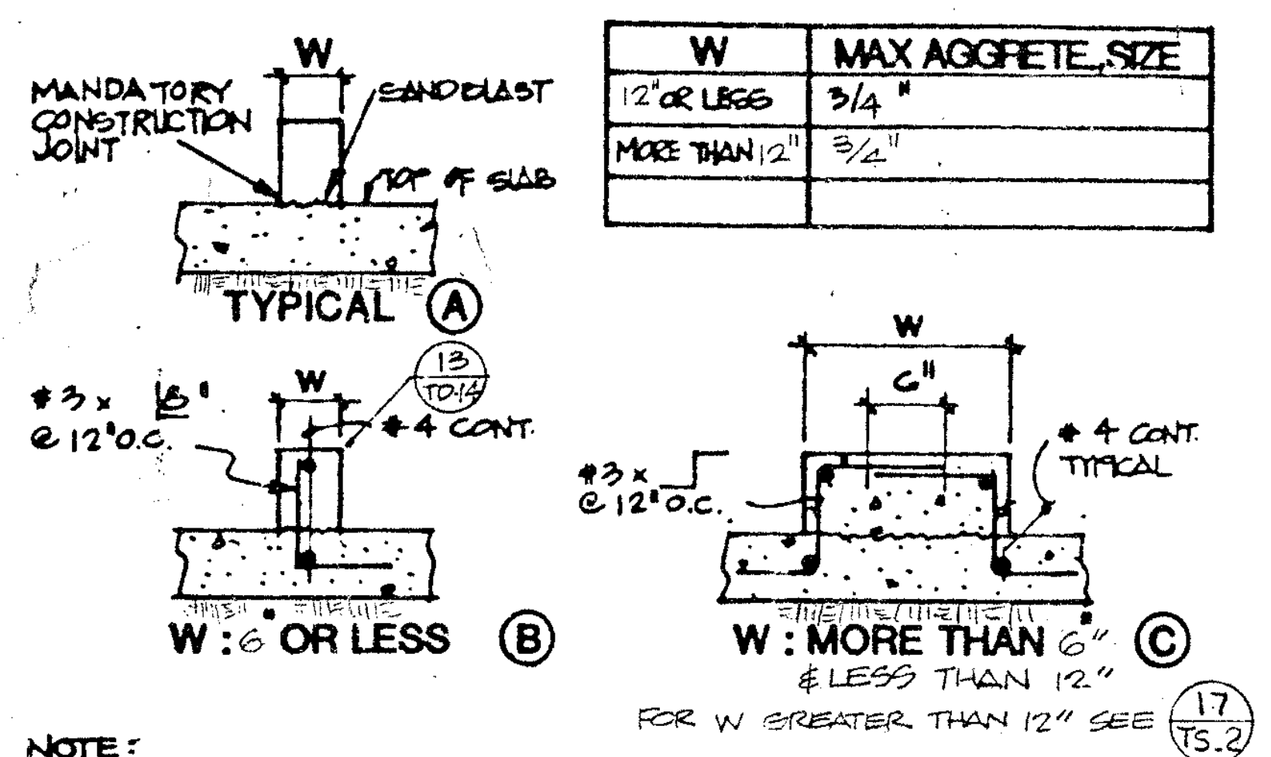
PLYWOOD WEB JOIST BRIDGING 23


PLYWOOD SHEATHING
10 TS5
WEB FILLER TYP.
JOIST HANGER SEE 24 TS1
I-JOIST
STEEL BM.

ROOF JOIST/STEEL BEAM 18


2-16d EA. SIDE OF PANEL WEB TYP.
BLOCKING PANEL
GLUE BOTH SURFACE OF GROUT FULL LENGTH, TYP.
I-JOIST
PLAN VIEW AT TJI BLOCKING PANEL
BLK'G PANEL
I-JOIST
3-8d TYP.
WEB STIFF
SECTION
PLAN VIEW AT TIM-JOIST BLOCKING PANEL

I-JOIST BLOCKING PANEL 13


MANDATORY CONSTRUCTION JOINT
W
SANDBLAST
TOP OF SLAB
TYPICAL A
#3 × 16" @ 12" O.C.
13 TS14
#4 CONT.
W: 6" OR LESS B
W
6"
#3 × @ 12" O.C.
#4 CONT. TYPICAL
W: MORE THAN 6" & LESS THAN 12" C
FOR W GREATER THAN 12" SEE 17 TS.2

W	MAX AGGRETE, SIZE
12" OR LESS	3/4"
MORE THAN 12"	3/4"

NOTE:
1. COORDINATE WIDTH, HEIGHT AND LOCATION OF CURBS WITH ARCHITECTURAL DRAWINGS. FOR LOCATION SEE FDN. PLANS.
2. SEE STRUCTURAL SECTIONS FOR CURB REINFORCING AT SHEAR WALLS, BEARING WALLS, EXTERIOR WALLS AND SPECIAL CONDITIONS.

CURB DETAIL 9

STRUCTURAL DRAWINGS INDEX

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TS-4	Typical Wood Framing Details	
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TS-6	Typical Sections & Details	
TS-7	Typical Sections & Details	
TS-8	Typical Sections & Details	
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TS-10	Sections & Details	
~~S-101~~	~~Foundation Plan (PHYSICAL EDUCATION)~~	~~- Bldg. No. 1~~
S-102	Foundation Plan (PERFORMING ARTS)	- Bldg. No. 1
~~S-103~~	~~Roof Framing Plan (PHYSICAL EDUCATION)~~	~~- Bldg. No. 1~~
S-104	Roof Framing & Mech. Platform Framing Plan	- Bldg. No. 1
~~S-111~~	~~Roof Truss Elev./Details~~	~~- Bldg. No. 1~~
~~S-112~~	~~Sections & Details~~	~~- Bldg. No. 1~~
~~S-113~~	~~Wall Elevations~~	~~- Bldg. No. 1~~
~~S-114~~	~~Wall Elevations/Details~~	~~- Bldg. No. 1~~
~~S-115~~	~~Sections~~	~~- Bldg. No. 1~~
~~S-116~~	~~Sections and Details~~	~~- Bldg. No. 1~~
S-121	Elevations	- Bldg. No. 1
S-122	Sections	- Bldg. No. 1
S-123	Sections	- Bldg. No. 1
S-124	Steel Details	- Bldg. No. 1
S-125	Catwalk & Loading Bridge Details & Sections	- Bldg. No. 1
S-126	Elevations, Sections & Details	- Bldg. No. 1
S-127	Sections & Details	- Bldg. No. 1
S-128	Loading Bridge, Sections & Details	- Bldg. No. 1
S-129 *	Sections & Details	- Bldg. No. 1
S-201	Foundation & Roof Framing Plan	- Bldg. No. 2
S-202	Sections and Details	- Bldg. No. 2
S-203	Sections and Details	- Bldg. No. 2
S-301	Foundation & Roof Framing Plan	- Bldg. No. 3
S-401	Foundation & Roof Framing Plan	- Bldg. No. 4
~~S-501 **~~	~~Foundation & Roof Framing Plan~~	~~- Bldg. No. 5~~
S-601	Foundation & Roof Framing Plan	- Bldg. No. 6
S-701	Foundation & Roof Framing Plan	- Bldg. No. 7
S-801	Foundation & Roof Framing Plan	- Bldg. No. 8
S-901	Foundation & Roof Framing Plan	- Bldg. No. 9
~~S-1001~~	~~Foundation & 2nd Floor Framing Plan~~	~~- Bldg. No. 10~~
~~S-1002~~	~~Roof Framing Plans~~	~~- Bldg. No. 10~~
~~S-1011~~	~~Building Sections~~	~~- Bldg. No. 10~~
~~S-1012~~	~~Sections & Details~~	~~- Bldg. No. 10~~
~~S-1013~~	~~Sections~~	~~- Bldg. No. 10~~
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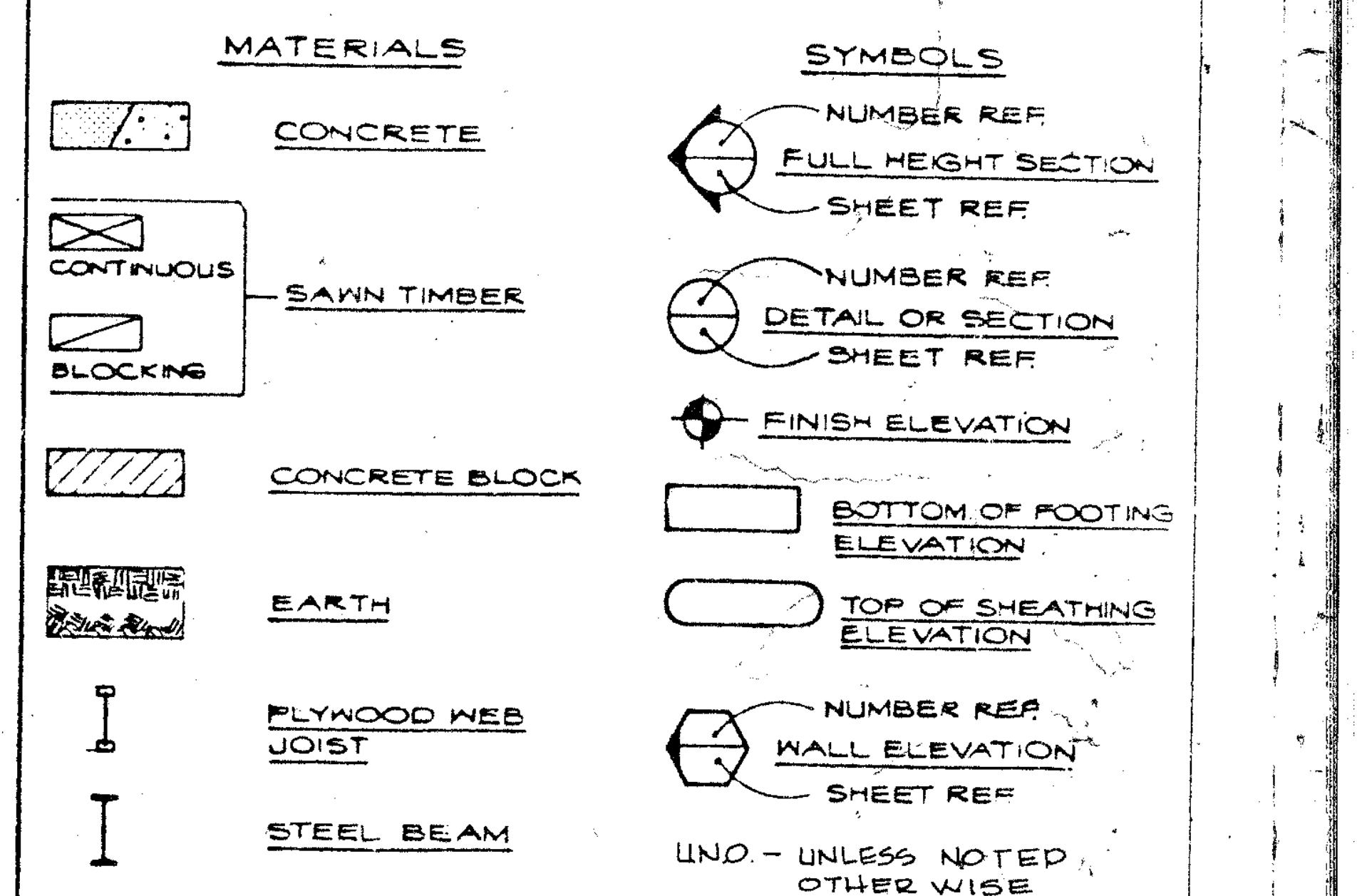
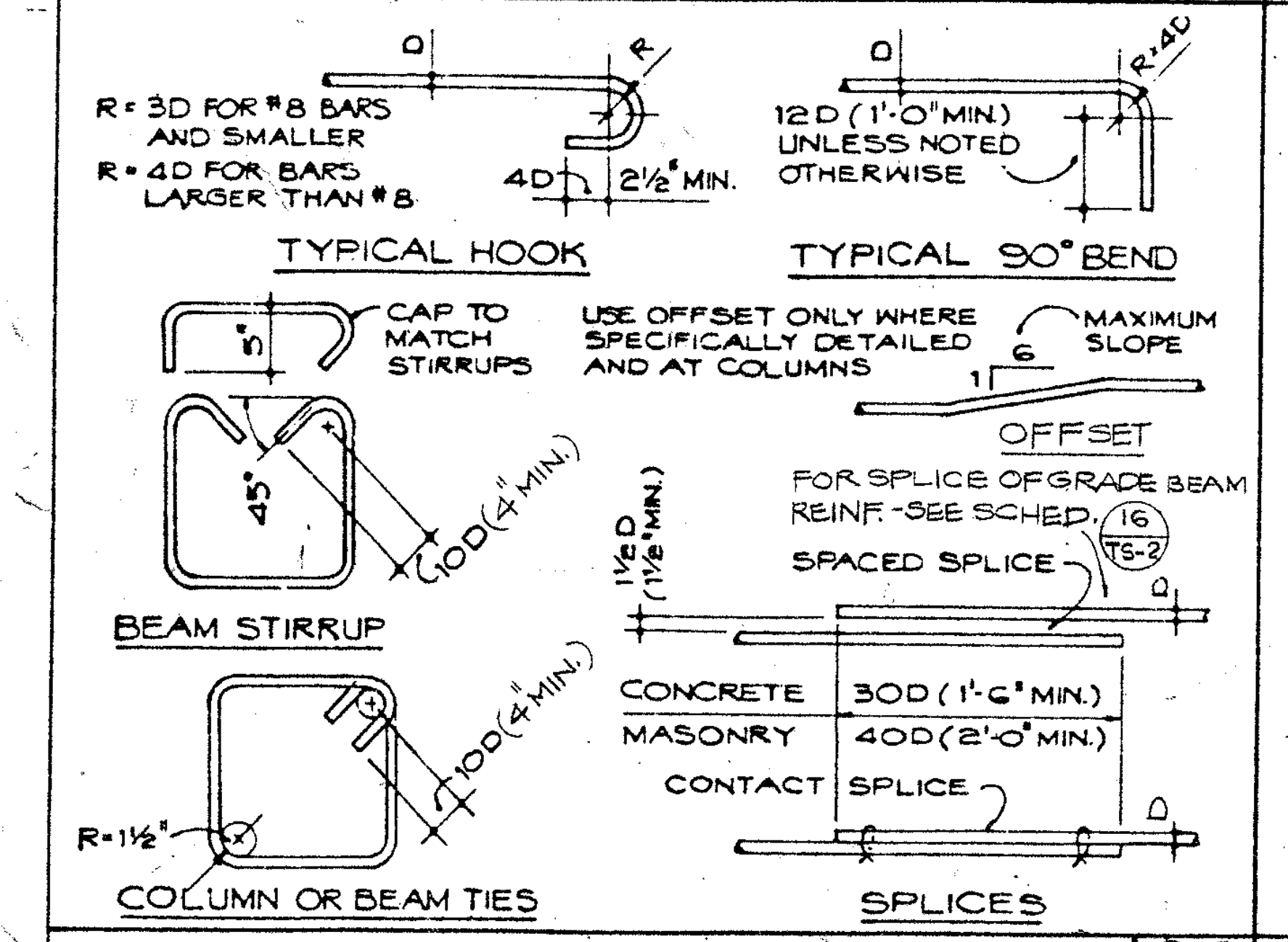
S-1101	Foundation & Roof Framing Plan	- Bldg. No. 11
~~S-1201~~	~~Foundation Plan~~	~~- Bldg. No. 12~~
~~S-1202~~	~~Roof Framing Plan~~	~~- Bldg. No. 12~~
~~S-1203~~	~~Elevations, Sections & Details~~	~~- Bldg. No. 12~~
~~S-1501~~	~~Foundation & Roof Framing Plan~~	~~- Bldg. No. 15~~
~~S-1502~~	~~Sections and Details~~	~~- Bldg. No. 15~~
*S-130	SECTIONS & DETAILS	- Bldg. No. 1
~~**S-502~~	~~ELEVATIONS, SECTIONS & DETAILS~~	~~Bldg. No. 5~~

SHEET INDEX

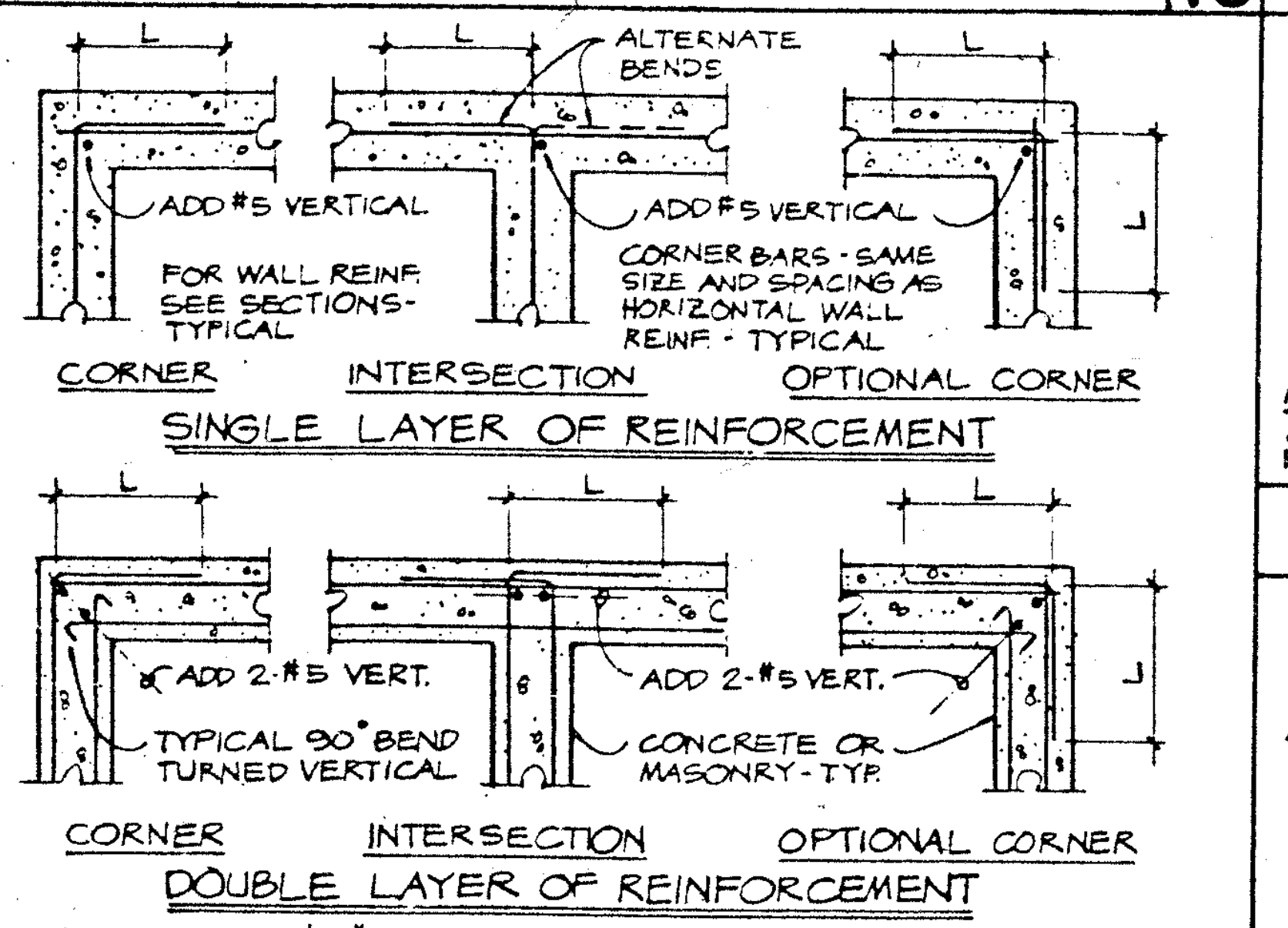
GENERAL NOTES


MATERIALS
CONCRETE
CONTINUOUS
SAWN TIMBER
BLOCKING
CONCRETE BLOCK
EARTH
PLYWOOD WEB JOIST
STEEL BEAM
SYMBOLS
NUMBER REF
FULL HEIGHT SECTION
SHEET REF
NUMBER REF
DETAIL OR SECTION
SHEET REF
FINISH ELEVATION
BOTTOM OF FOOTING ELEVATION
TOP OF SHEATHING ELEVATION
NUMBER REF
WALL ELEVATION
SHEET REF
UNO - UNLESS NOTED OTHER WISE

LEGEND

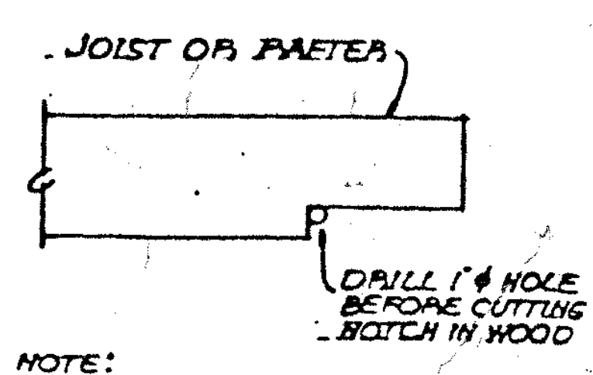

R = 3D FOR #8 BARS AND SMALLER
R = 4D FOR BARS LARGER THAN #8
4D
2 1/2" MIN.
12D (1'-0" MIN.) UNLESS NOTED OTHERWISE
TYPICAL HOOK
TYPICAL 90° BEND
CAP TO MATCH STIRRUPS
USE OFFSET ONLY WHERE SPECIFICALLY DETAILED AND AT COLUMNS
MAXIMUM SLOPE
OFFSET
45°
10D (4" MIN.)
FOR SPLICE OF GRADE BEAM REINF. - SEE SCHED. 16 TS-2
SPACED SPLICE
BEAM STIRRUP
CONCRETE 30D (1'-6" MIN.)
MASONRY 40D (2'-0" MIN.)
CONTACT SPLICE
R = 1 1/2"
COLUMN OR BEAM TIES
SPLICES

BAR BEND AND SPLICE 22


ALTERNATE BENDS
ADD #5 VERTICAL
FOR WALL REINF. SEE SECTIONS - TYPICAL
CORNER BARS - SAME SIZE AND SPACING AS HORIZONTAL WALL REINF. - TYPICAL
CORNER
INTERSECTION
OPTIONAL CORNER
SINGLE LAYER OF REINFORCEMENT
ADD 2-#5 VERT.
TYPICAL 90° BEND TURNED VERTICAL
CONCRETE OR MASONRY - TYP.
CORNER
INTERSECTION
OPTIONAL CORNER
DOUBLE LAYER OF REINFORCEMENT

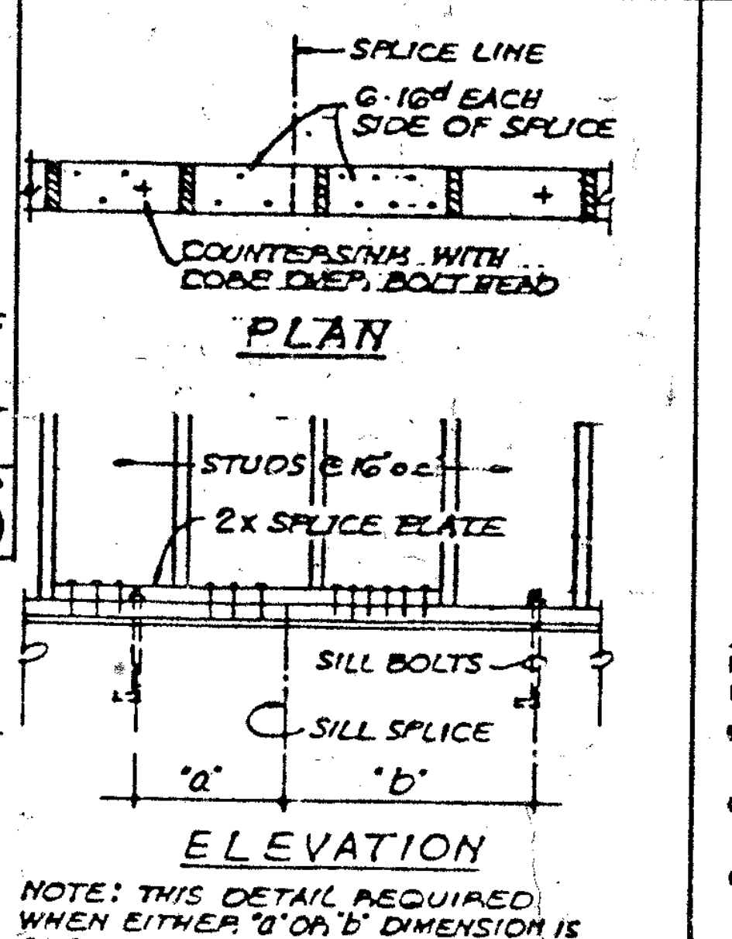
L = 30D OR 1'-6" MINIMUM FOR CONCRETE.
L = 40D OR 2'-0" MINIMUM FOR MASONRY

CORNERS AND INTERSECTIONS 17


JOIST OR RAFTER
DRILL 1" Ø HOLE BEFORE CUTTING NOTCH IN WOOD

NOTE: NOTCHING NOT PERMITTED EXCEPT WHERE SHOWN ON DRAWINGS.

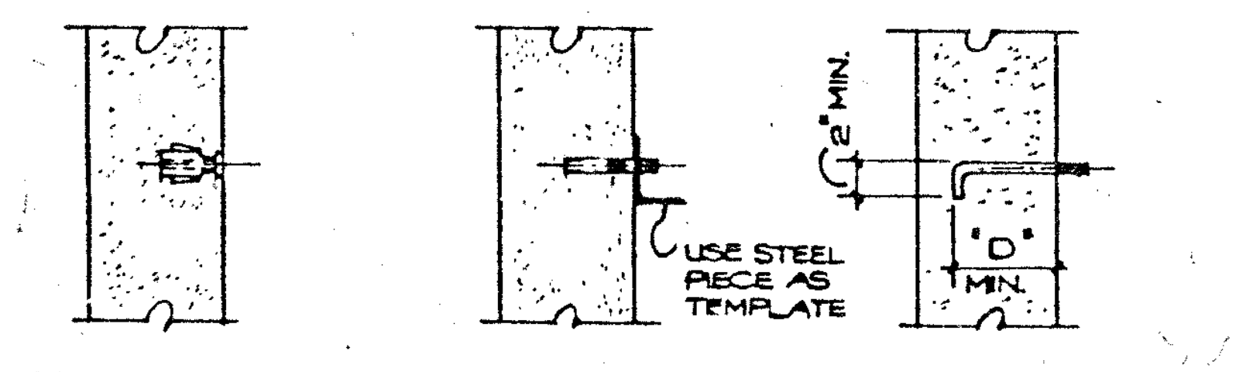
NOTCH DETAIL 26


SPLICE LINE
G-16d EACH SIDE OF SPLICE
COUNTERSINK WITH COBE DEEP BOLT HEAD
PLAN
STUDS @ 16" O.C.
2× SPLICE PLATE
4-16d EACH SIDE
STUDS @ 16" O.C.
2× BRIDGE PL.
SILL BOLTS
SILL SPLICE
"a"
"b"
SILL PLATE
2× FILLER PL.
ELEVATION

NOTE: THIS DETAIL REQUIRED WHEN EITHER "a" OR "b" DIMENSION IS GREATER THAN 9".

WOOD SILL PLATE 12

NOTE: DRILLED ANCHORS AND EMBEDDED INSERTS SHALL BE USED ONLY WHERE SPECIFICALLY DETAILED OR FOR THE ATTACHMENT OF MECH., ELEC., OR OTHER MISC. ACCESSORIES OR EQUIPMENT TO THE STRUCTURE. MINIMUM ANCHORAGE SHALL BE 2-5/8" Ø ANCHORS PER CONNECTION.


2" MIN.
USE STEEL PIECE AS TEMPLATE
"D" MIN.

EMBEDDED

ACCEPTABLE MALLEABLE IRON INSERTS:
- RICHMOND "BELL" OR "ROCKET"
- BURKE "HI TENSILE"
- DAYTON SUPERIOR "F-5"

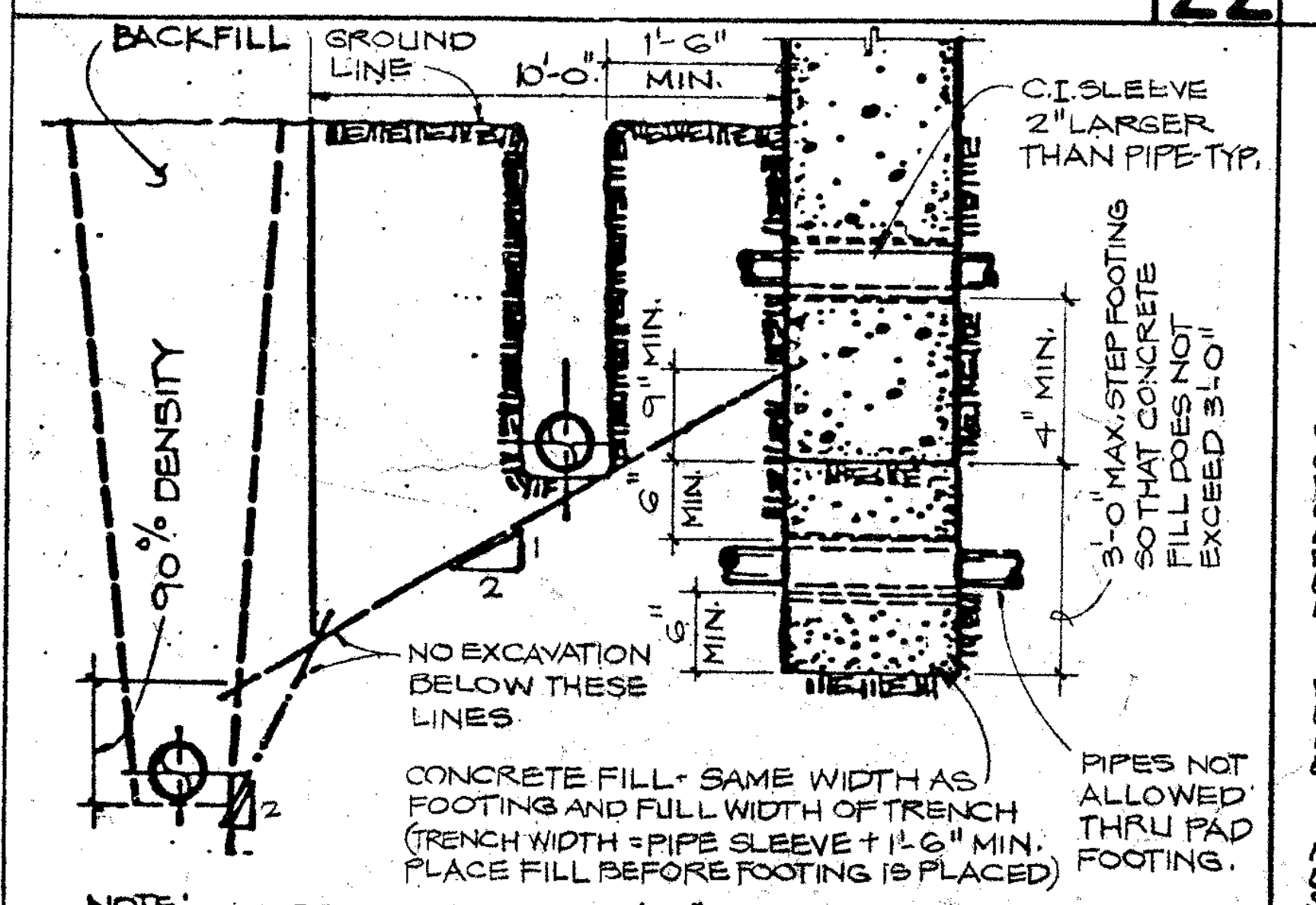
DRILLED

ACCEPTABLE DRILLED ANCHORS:
- PHILLIPS "WEDGE ANCHOR"
- HILTI "KWIK-BOLT"
- "WEJ-IT" EXPANSION BOLT
- RAMSET "TRUBOLT"

CAST-IN

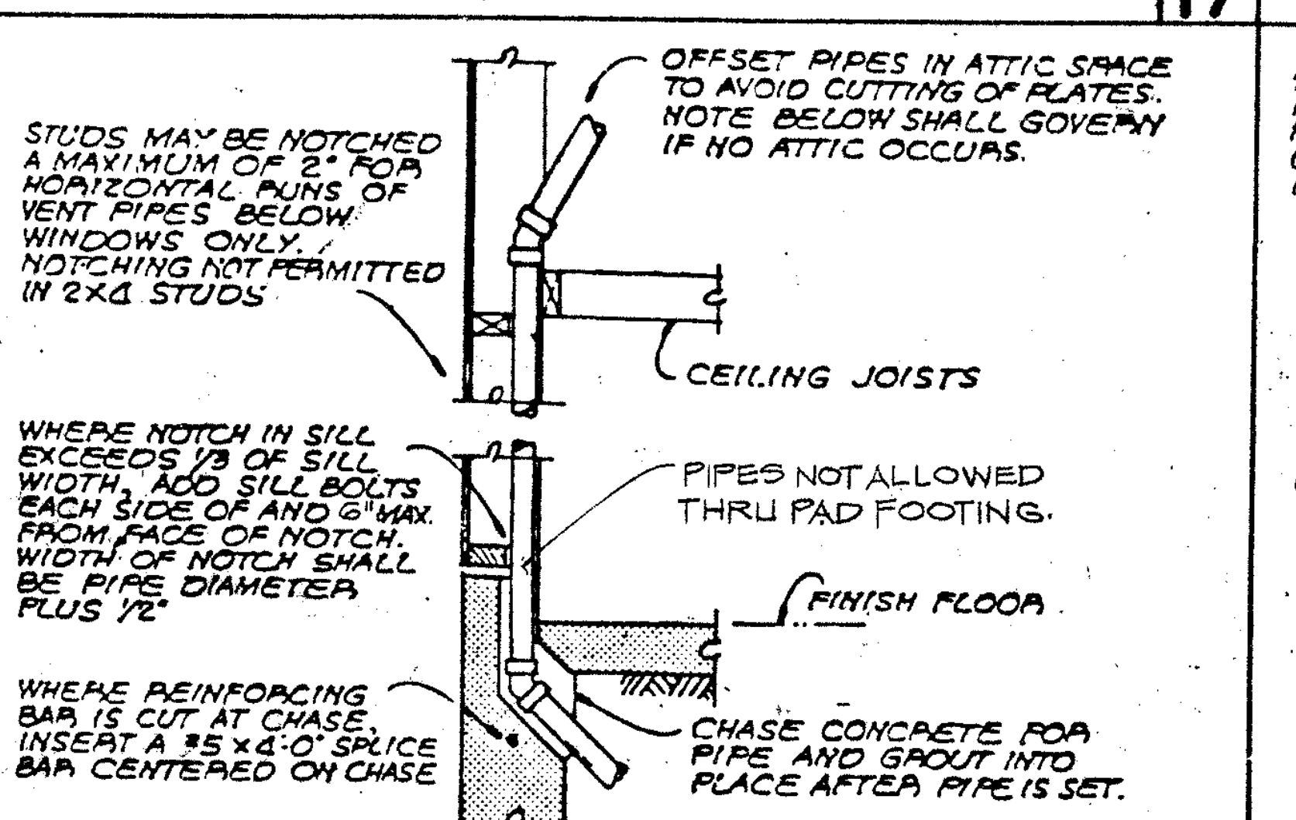
BOLT DIA.	"D" MIN.
1/2" Ø	4"
5/8" Ø	5"
3/4" Ø	6"
7/8" Ø	7"
1" Ø	7"

ANCHORS AND INSERTS 8


BACKFILL
GROUND LINE
10'-0"
1'-6" MIN.
C.I. SLEEVE 2" LARGER THAN PIPE - TYP.
90% DENSITY
9" MIN.
6" MIN.
6" MIN.
4" MIN.
3'-0" MAX. STEP FOOTING SO THAT CONCRETE FILL DOES NOT EXCEED 3'-0"
NO EXCAVATION BELOW THESE LINES
CONCRETE FILL - SAME WIDTH AS FOOTING AND FULL WIDTH OF TRENCH (TRENCH WIDTH = PIPE SLEEVE + 1'-6" MIN. PLACE FILL BEFORE FOOTING IS PLACED)
PIPES NOT ALLOWED THRU PAD FOOTING.

NOTE: FOR PIPES MORE THAN 3'-0" BELOW BOTTOM OF FOOTING, TRENCH MAY BE PACK FILLED WITH CONTROLLED, COMPACTED FILL.

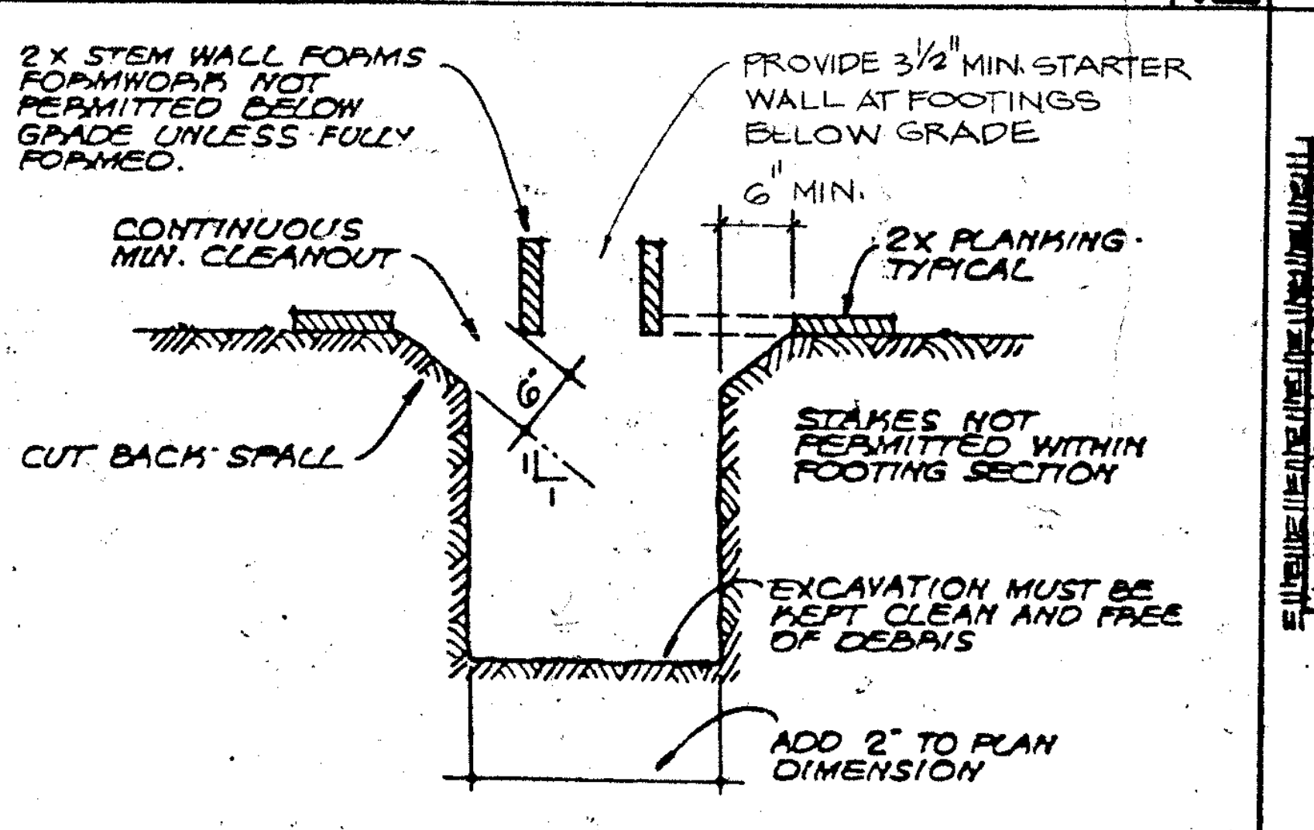
PIPE THRU FOOTING 21


OFFSET PIPES IN ATTIC SPACE TO AVOID CUTTING OF PLATES. NOTE BELOW SHALL GOVERN IF NO ATTIC OCCURS.
STUDS MAY BE NOTCHED A MAXIMUM OF 2" FOR HORIZONTAL RUNS OF VENT PIPES BELOW WINDOWS ONLY. NOTCHING NOT PERMITTED IN 2X4 STUDS
CEILING JOISTS
WHERE NOTCH IN SILL EXCEEDS 1/3 OF SILL WIDTH, ADD SILL BOLTS EACH SIDE OF AND 6" MAX. FROM FACE OF NOTCH. WIDTH OF NOTCH SHALL BE PIPE DIAMETER PLUS 1/2"
PIPES NOT ALLOWED THRU PAD FOOTING.
FINISH FLOOR
WHERE REINFORCING BAR IS CUT AT CHASE, INSERT A #5 × 4'-0" SPLICE BAR CENTERED ON CHASE
CHASE CONCRETE FOR PIPE AND GROUT INTO PLACE AFTER PIPE IS SET.

NOTE: NO STRUCTURAL MEMBERS SHALL BE CUT FOR PIPES, VENTS, DUCTS AND OTHER SIMILAR OPENINGS EXCEPT AS DETAILED OR SPECIFIED.

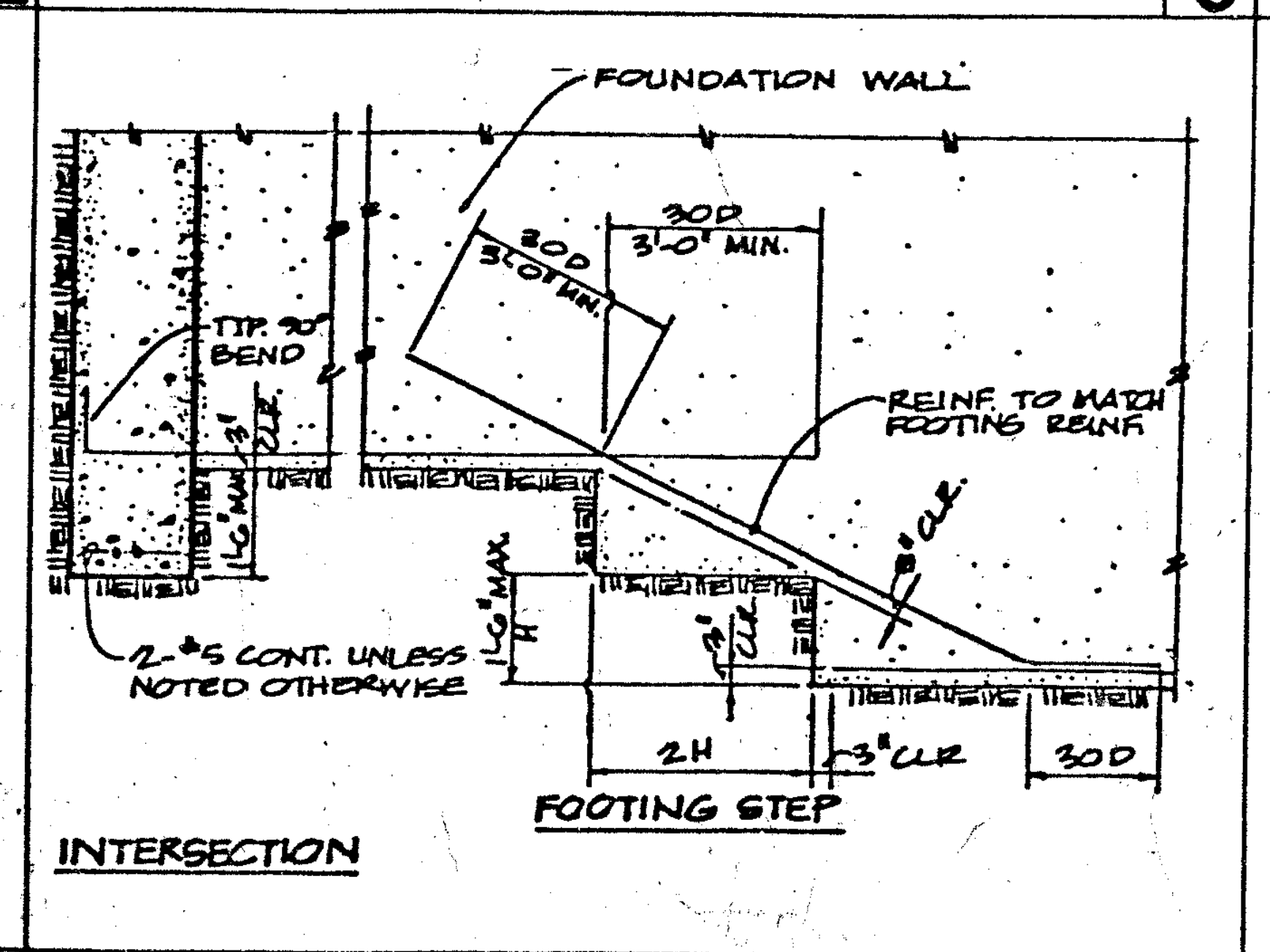
LIMITS SET BY THIS DETAIL SHALL APPLY TO ALL BEARING AND EXTERIOR WALLS AND WALLS IN WHICH SHEAR PANELS OCCUR.

PLUMBING IN WALL 16

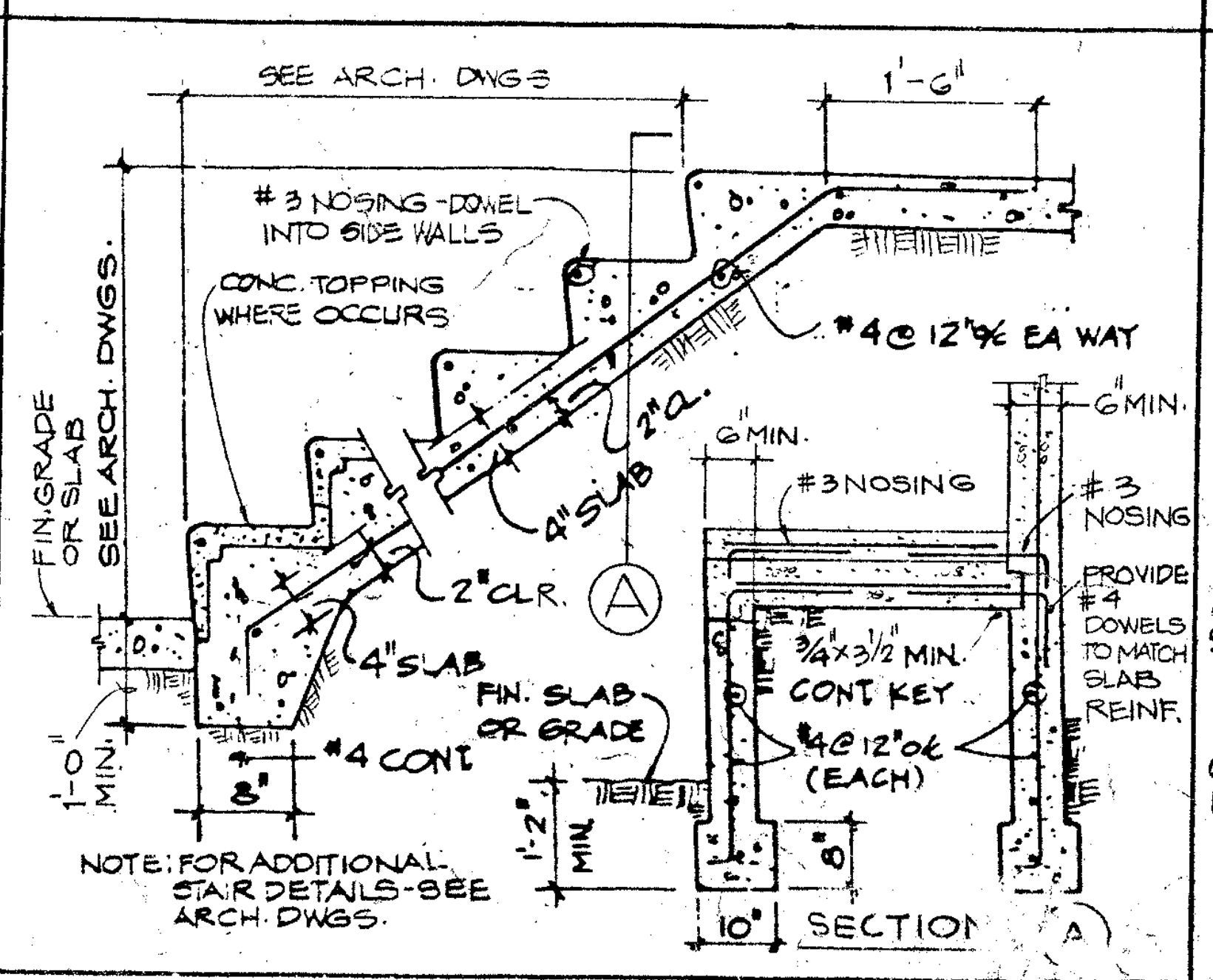

2× STEM WALL FORMS FORMWORK NOT PERMITTED BELOW GRADE UNLESS FULLY FORMED.
PROVIDE 3 1/2" MIN. STARTER WALL AT FOOTINGS BELOW GRADE
6" MIN.
CONTINUOUS MIN. CLEANOUT
2× PLANKING TYPICAL
6"
1
CUT BACK SPALL
STAKES NOT PERMITTED WITHIN FOOTING SECTION
EXCAVATION MUST BE KEPT CLEAN AND FREE OF DEBRIS
ADD 2" TO PLAN DIMENSION

FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE ARCHITECT (STRUCTURAL ENGINEER) SUBJECT TO THE APPROVAL OF THE OFFICE OF THE STATE ARCHITECT.

MANDATORY FOOTING FORMWORK 11


FOUNDATION WALL
2'-0" MIN.
300
3'-0" MIN.
TYP. 90° BEND
REINF. TO MATCH FOOTING REINF.
2-#5 CONT. UNLESS NOTED OTHERWISE
2H
3" CLR
30D
INTERSECTION
FOOTING STEP

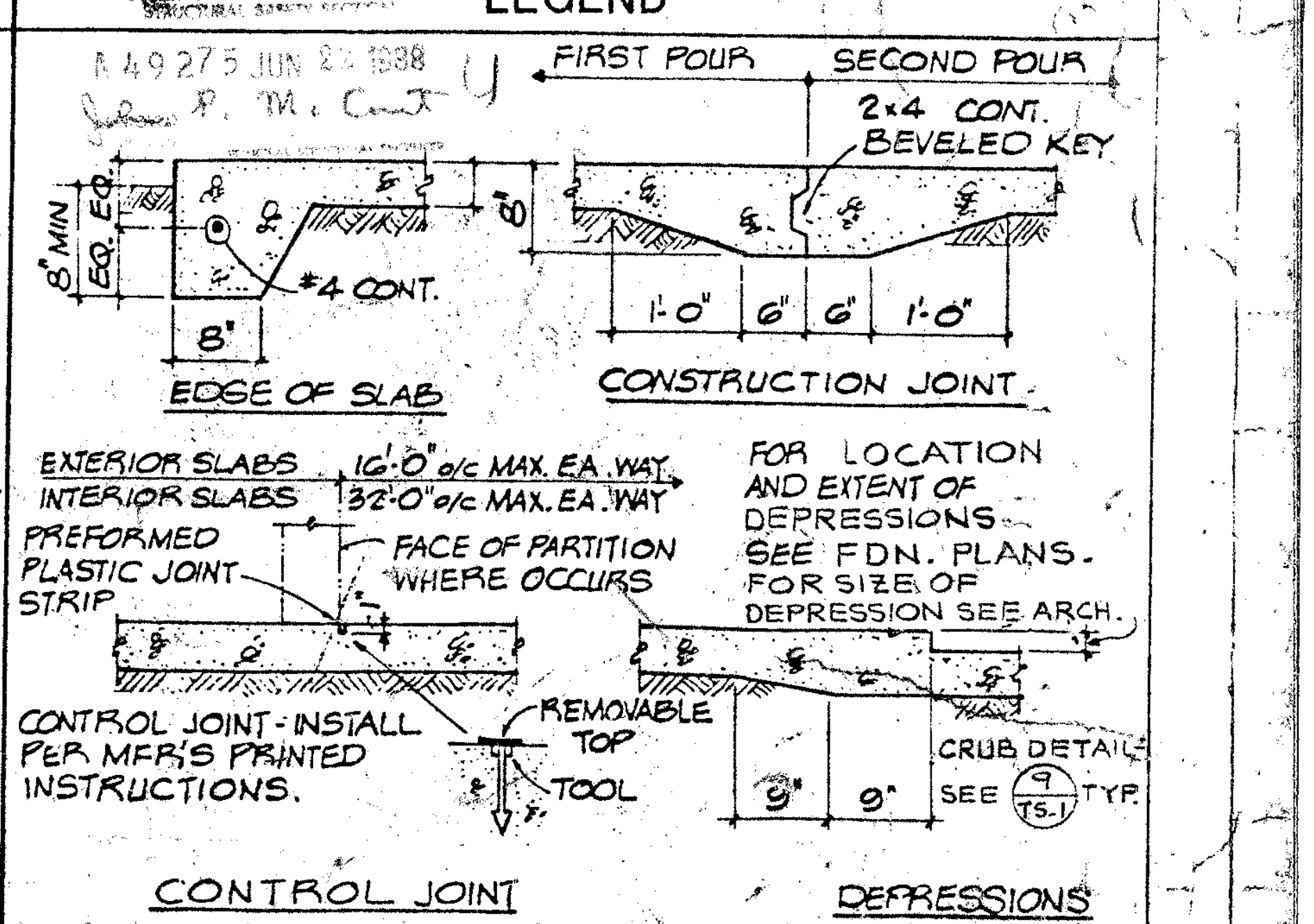
FOOTING STEP 7


SEE ARCH. DWGS
1'-6"
#3 NOSING DOWEL INTO SIDE WALLS
CONC. TOPPING WHERE OCCURS
#4 @ 12" O.C. EA WAY
G" MIN.
FIN. GRADE SEE ARCH. DWGS.
#3 NOSING
#3 NOSING PROVIDE #4 DOWELS TO MATCH SLAB REINF.
4" SLAB
2" CLR.
A
4" SLAB
#4 CONT.
FIN. SLAB OR GRADE
3/4" × 2 1/2" MIN. CONT. KEY
#4 @ 12" O.C. (EACH)
1'-0" MIN.
1'-2" MIN.
8"
10"
SECTION A

NOTE: FOR ADDITIONAL STAIR DETAILS - SEE ARCH. DWGS.

STAIRS ON GRADE 2

A 49275 JUN 23 1988


FIRST POUR
SECOND POUR
2×4 CONT. BEVELED KEY
8" MIN.
#4 CONT.
8"
1'-0"
6"
6"
1'-0"
EDGE OF SLAB
CONSTRUCTION JOINT
FACE OF PARTITION WHERE OCCURS
PREFORMED PLASTIC JOINT STRIP
REMOVABLE TOP
TOOL
9"
9"
CONTROL JOINT
DEPRESSIONS

EXTERIOR SLABS 16'-0" o/c MAX. EA. WAY
INTERIOR SLABS 32'-0" o/c MAX. EA. WAY

CONTROL JOINT - INSTALL PER MFR'S PRINTED INSTRUCTIONS.

FOR LOCATION AND EXTENT OF DEPRESSIONS - SEE FDN. PLANS. FOR SIZE OF DEPRESSION SEE ARCH. CRUB DETAIL SEE 9/TS-1 TYP.

SLAB ON GRADE 1

Drawn By MN
Checked By SRU
Date MAR. 1988
Commission No. ~~1-30-06~~ BID JANUARY 1991
Revisions

Brandow & Johnston Assoc.
Structural Engineers

REGISTERED PROFESSIONAL ENGINEER
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EXP. 12-31-88
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STATE OF CALIFORNIA

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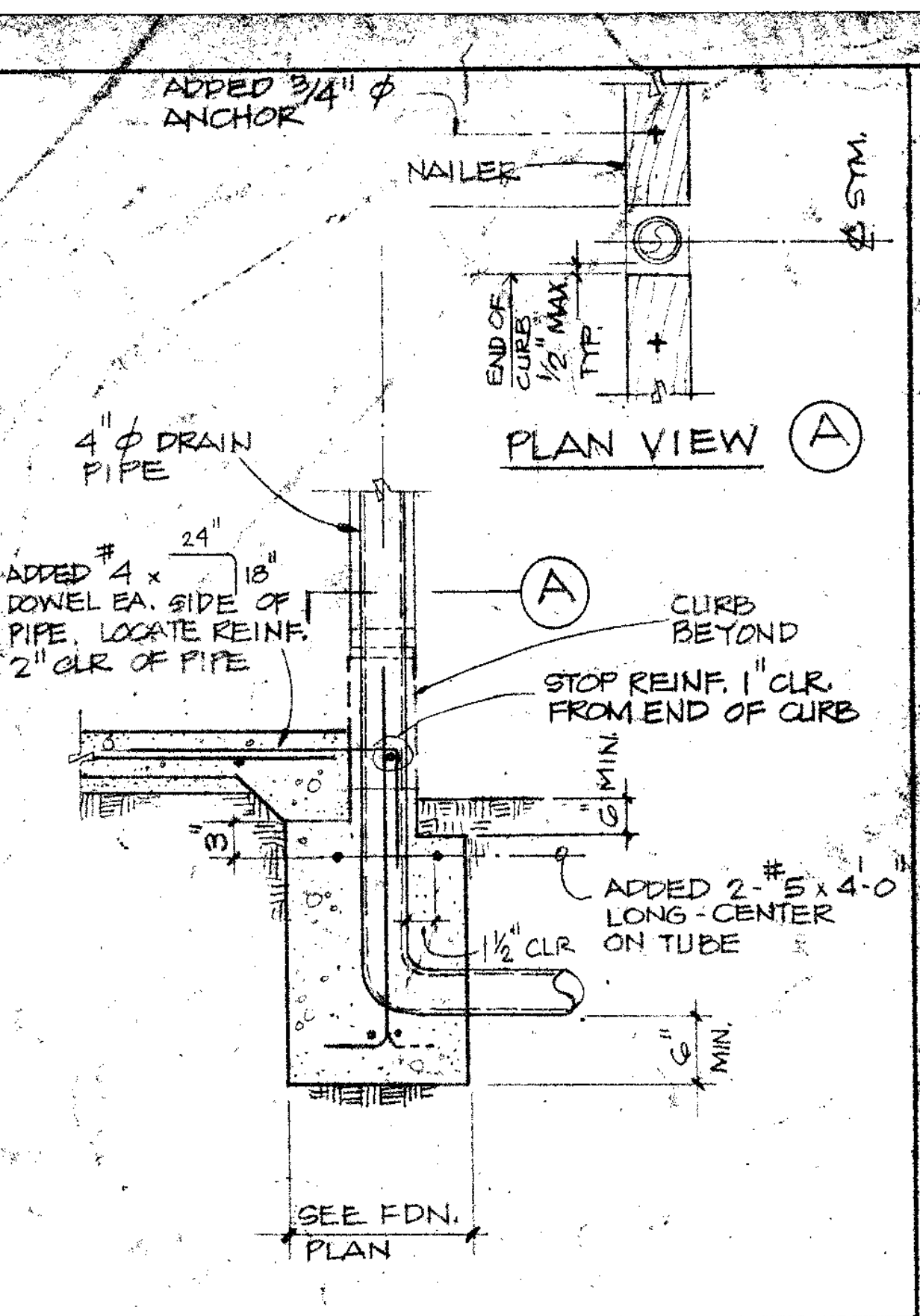
ARCHITECT
C20662

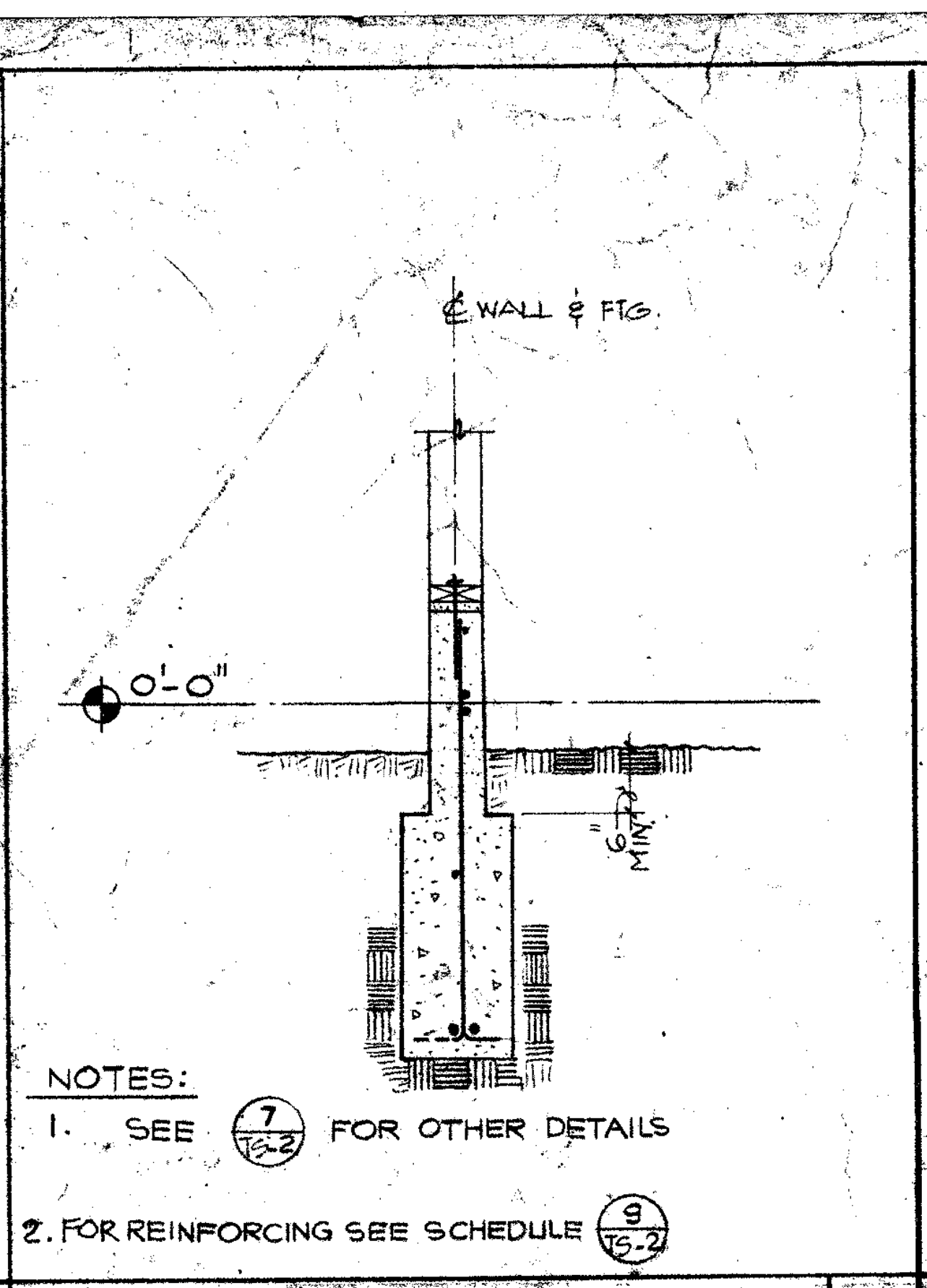
West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

TYPICAL DETAILS AND GENERAL NOTES

Sheet Number
TS-1
14 of Sheets

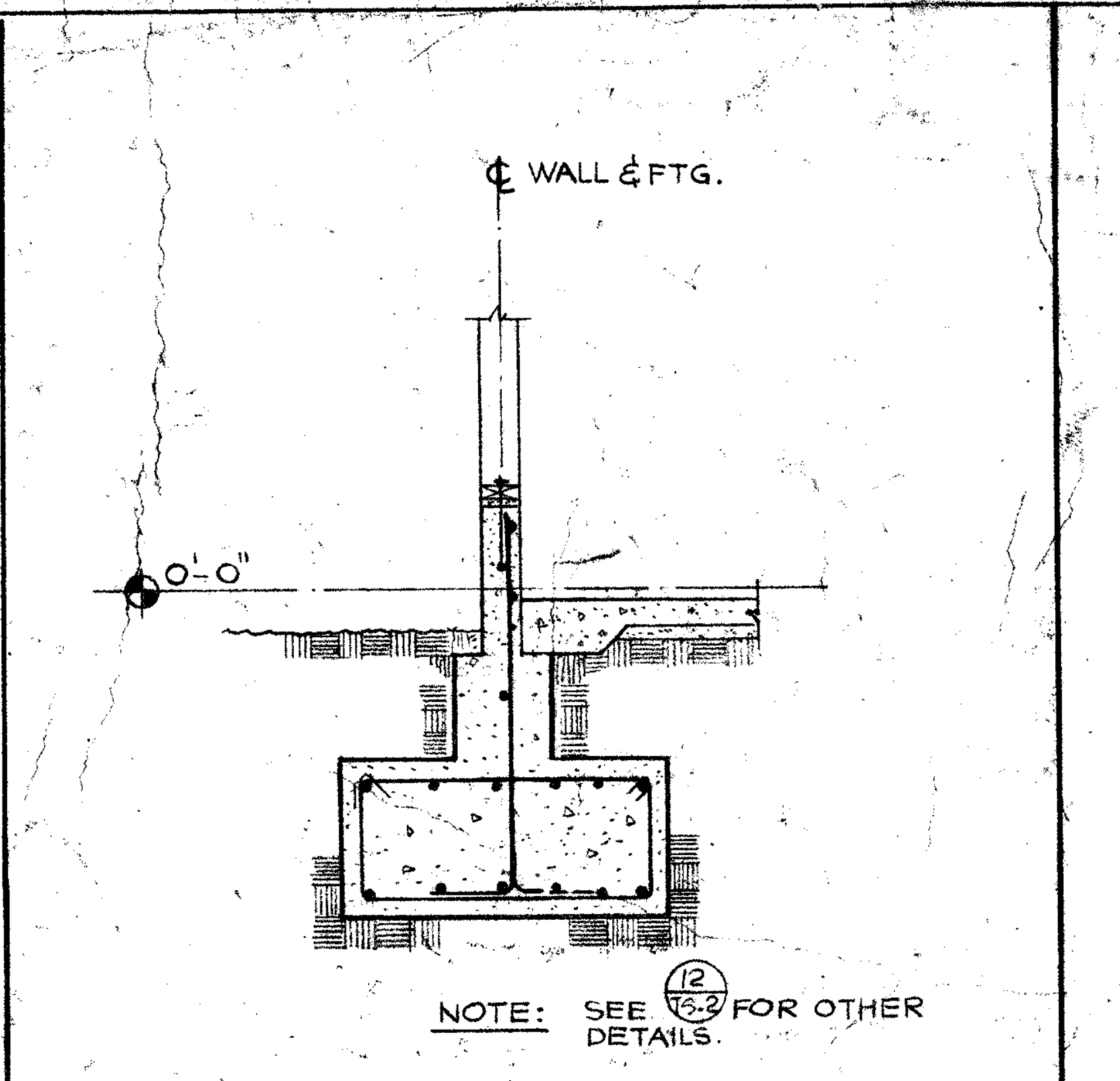

ADDED 3/4" ϕ ANCHOR
NAILER
PLAN VIEW (A)
4" ϕ DRAIN PIPE
ADDED #4 x 24" x 18" DOWEL EA. SIDE OF PIPE. LOCATE REINF. 2" CLR. OF PIPE
CURB BEYOND
STOP REINF. 1" CLR. FROM END OF CURB
ADDED 2-#5 x 4'-0" LONG - CENTER ON TUBE
1½" CLR.
SEE FDN. PLAN

DRAIN PIPE AT WALL FTG. 23



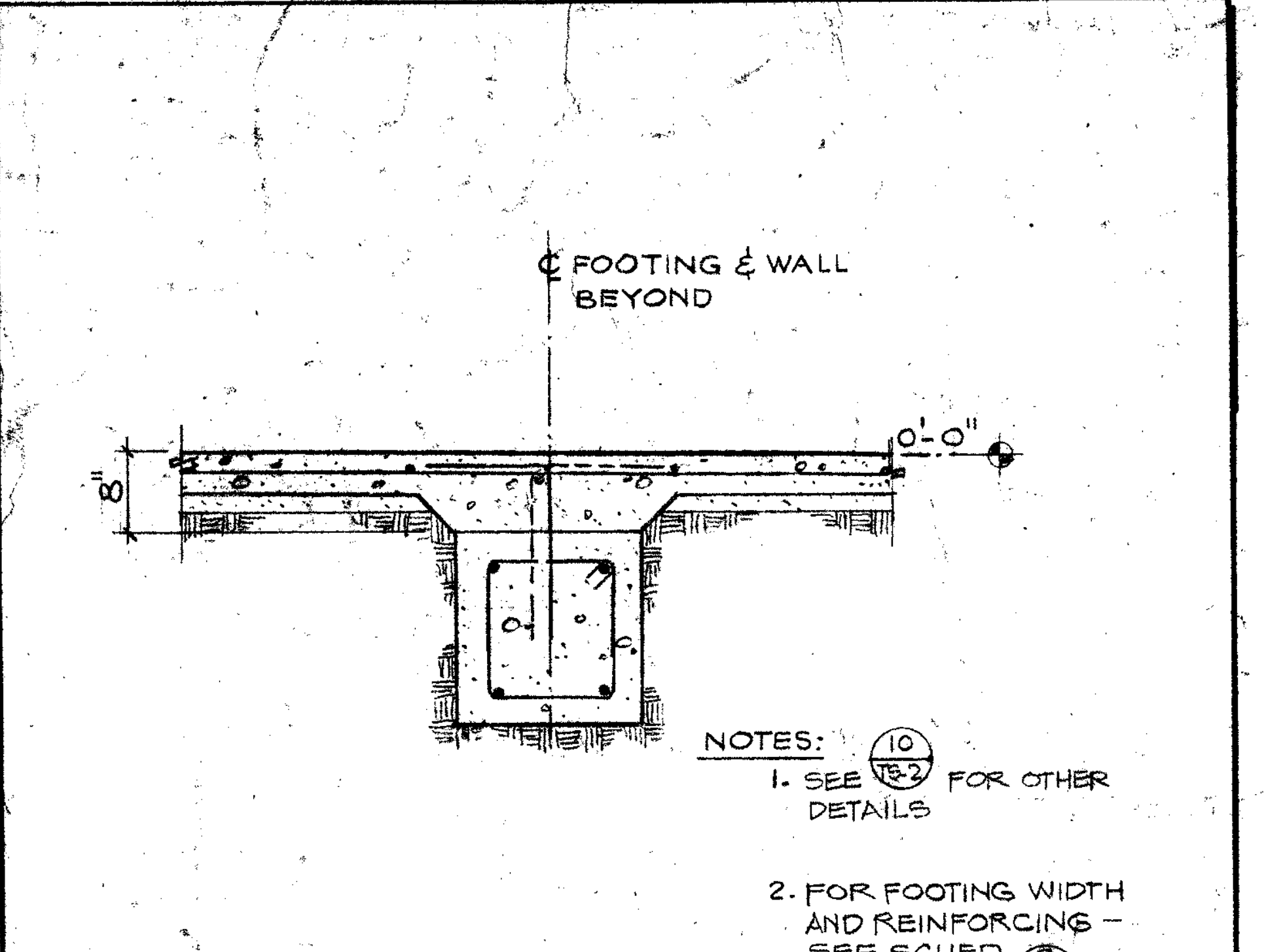
NOTES:
1. SEE (7/TS-2) FOR OTHER DETAILS
2. FOR REINFORCING SEE SCHEDULE (9/TS-2)

SECTION 19



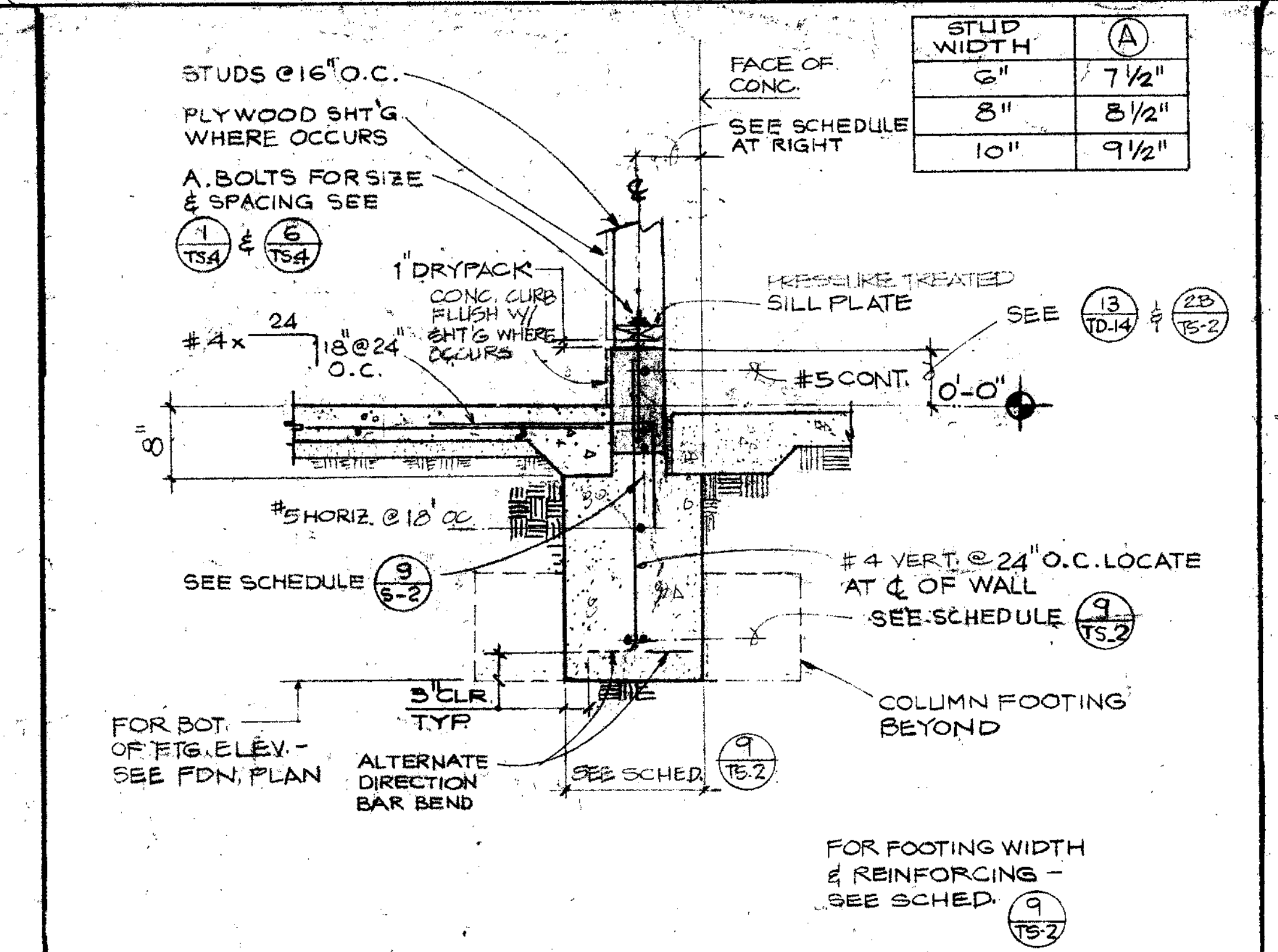
NOTE: SEE (12/TS-2) FOR OTHER DETAILS.

GRADE BEAM SECTION SCALE ½"=1'-0" 15


℄ FOOTING & WALL BEYOND
0'-0"
8"

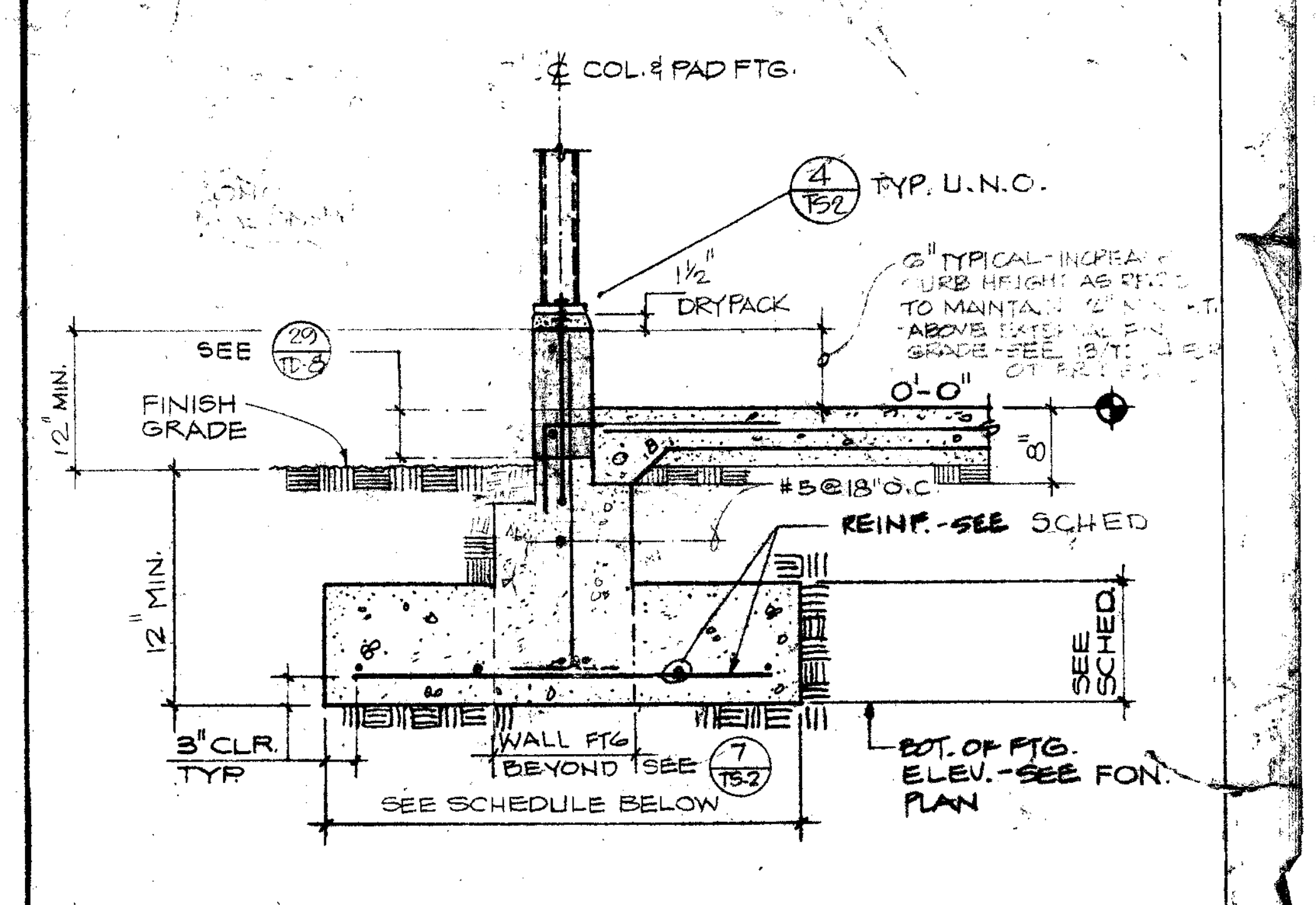
NOTES:
1. SEE (10/TS-2) FOR OTHER DETAILS.
2. FOR FOOTING WIDTH AND REINFORCING - SEE SCHED. (9/TS-2)

GRADE BEAM SECTION 11


STUDS @ 16" O.C.
PLYWOOD SHT'G WHERE OCCURS
A. BOLTS FOR SIZE & SPACING SEE (1/TS-4) (6/TS-4)
FACE OF CONC.
SEE SCHEDULE AT RIGHT
PRESSURE TREATED SILL PLATE
1" DRYPACK
CONC. CURB FLUSH W/ SHT'G WHERE OCCURS
#4 x 24 18 @ 24" O.C.
#5 CONT.
SEE (13/TS-4) (25/TS-2)
0'-0"
#5 HORIZ. @ 18" OC
SEE SCHEDULE (9/TS-2)
#4 VERT. @ 24" O.C. LOCATE AT ℄ OF WALL
SEE SCHEDULE (9/TS-2)
3" CLR. TYP.
ALTERNATE DIRECTION BAR BEND
COLUMN FOOTING BEYOND
FOR BOT. OF FTG. ELEV. - SEE FDN. PLAN
SEE SCHED. (9/TS-2)
FOR FOOTING WIDTH & REINFORCING - SEE SCHED. (9/TS-2)

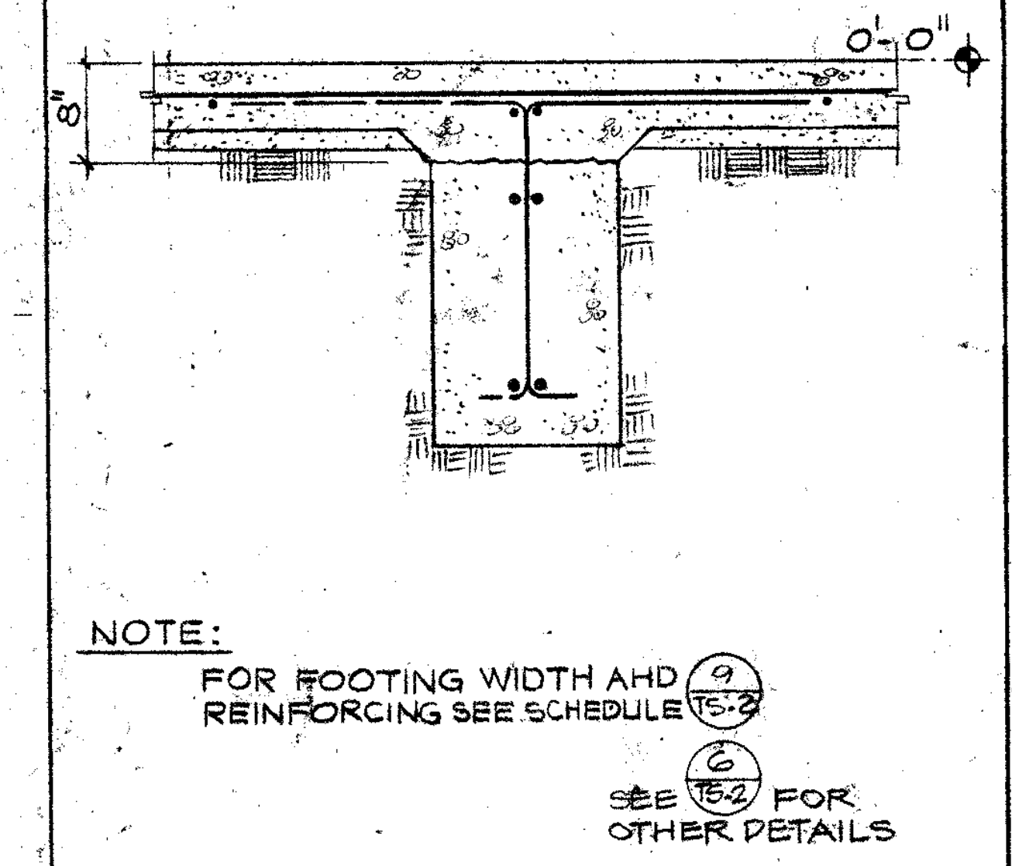
STUD WIDTH	(A)
6"	7½"
8"	8½"
10"	9½"

EXTERIOR WALL FOOTING 7


℄ COL. & PAD FTG.
(4/TS-2) TYP. U.N.O.
1½" DRYPACK
SEE (11/TS-2)
FINISH GRADE
#5 @ 18" O.C.
REINF. - SEE SCHED
12" MIN.
3" CLR. TYP.
WALL FTG. BEYOND SEE (7/TS-2)
SEE SCHEDULE BELOW
BOT. OF FTG. ELEV. - SEE FDN. PLAN
SEE SCHED

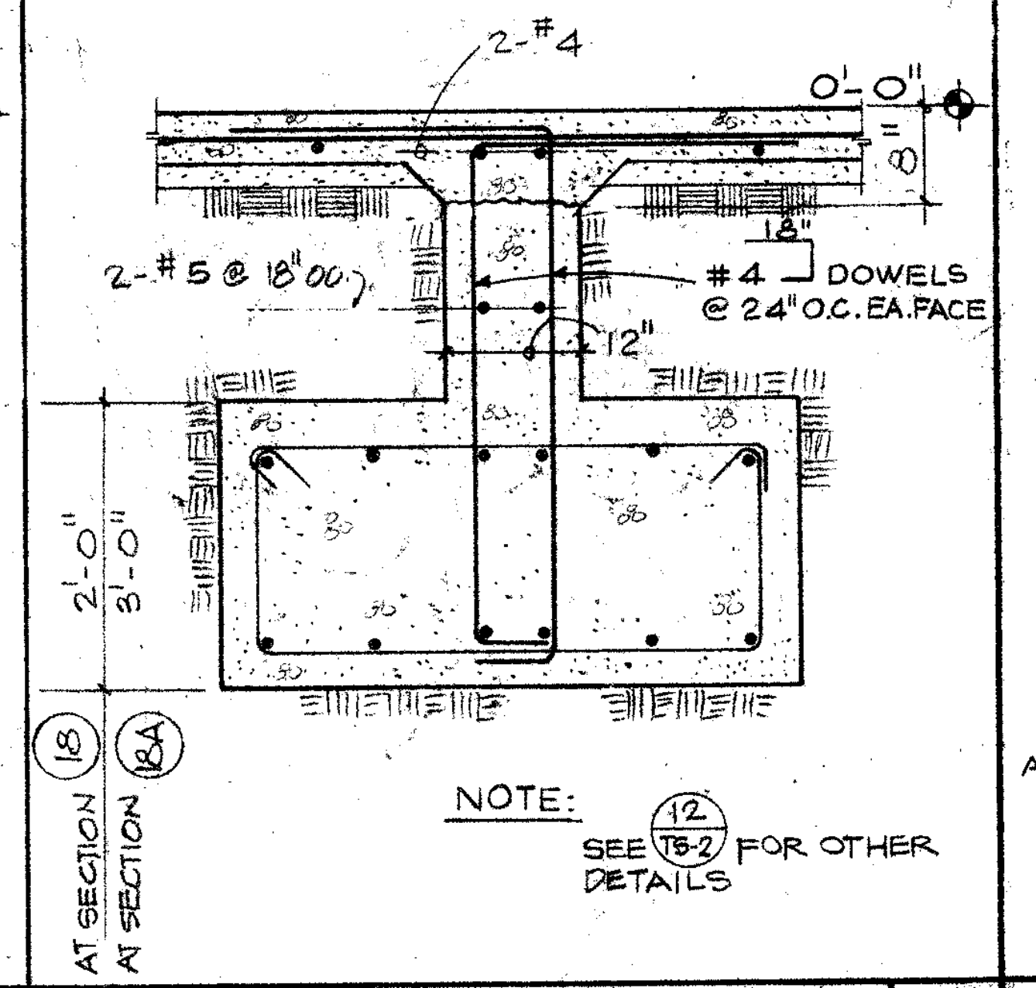
EXTERIOR COL. FOOTING

B



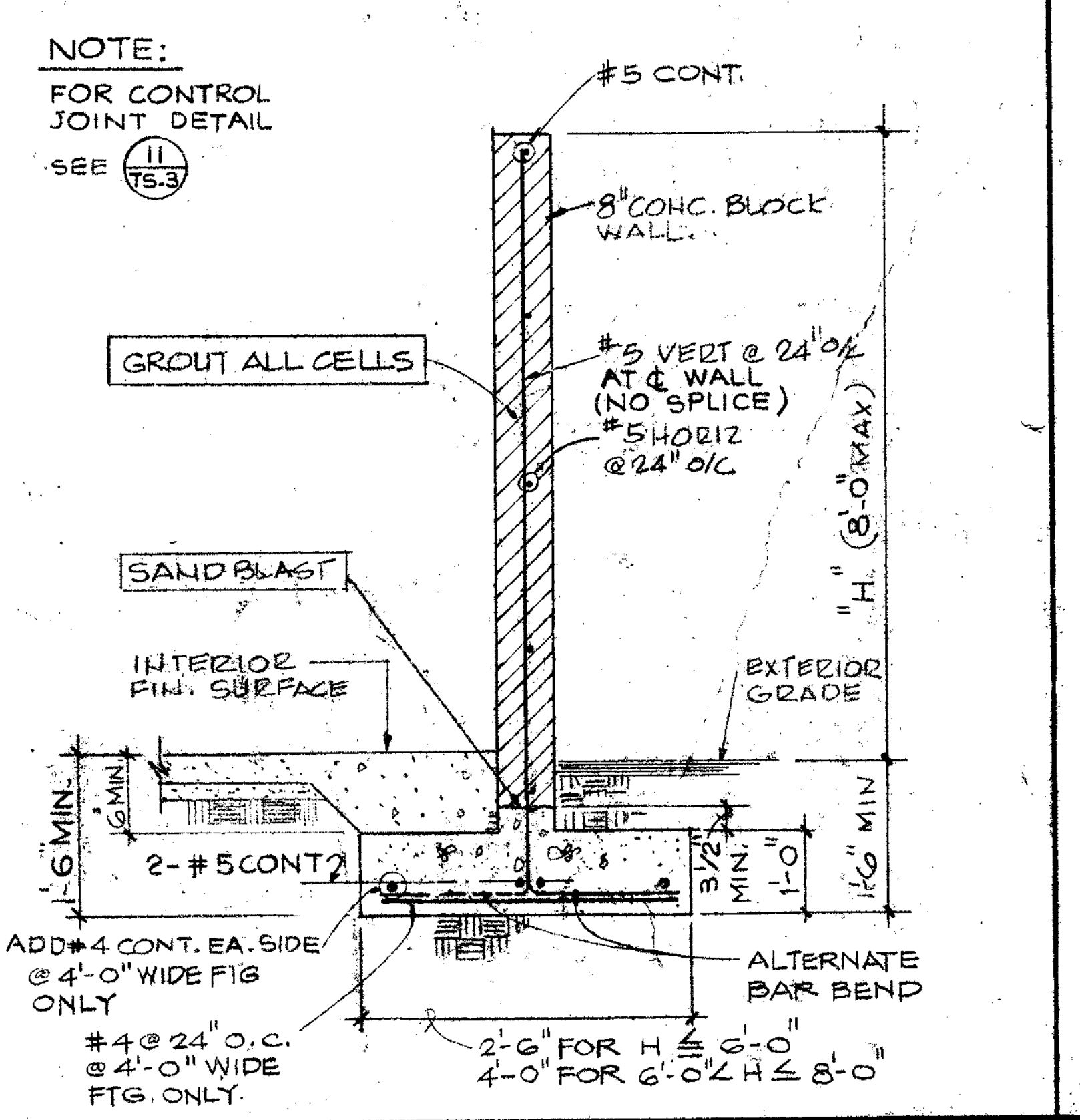
NOTE:
FOR FOOTING WIDTH AND REINFORCING SEE SCHEDULE (9/TS-2)
SEE (6/TS-2) FOR OTHER DETAILS

SECTION 22


2-#4
0'-0"
2-#5 @ 18" O.C.
#4 DOWELS @ 24" O.C. EA. FACE
12"
18"
2'-0"
3'-0"
AT SECTION (18)
AT SECTION (15)

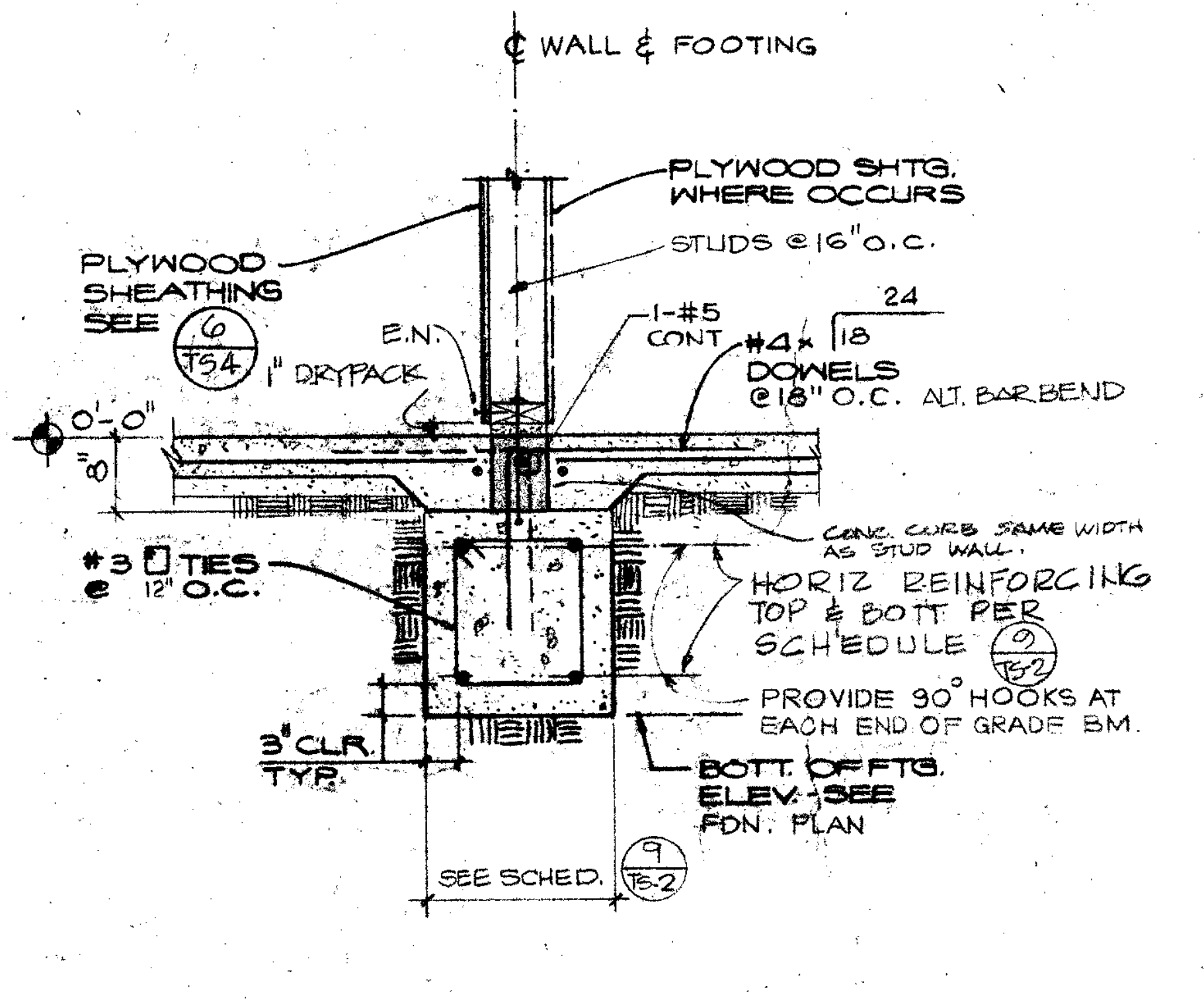
NOTE: SEE (12/TS-2) FOR OTHER DETAILS

GRADE BEAM SECTION 18

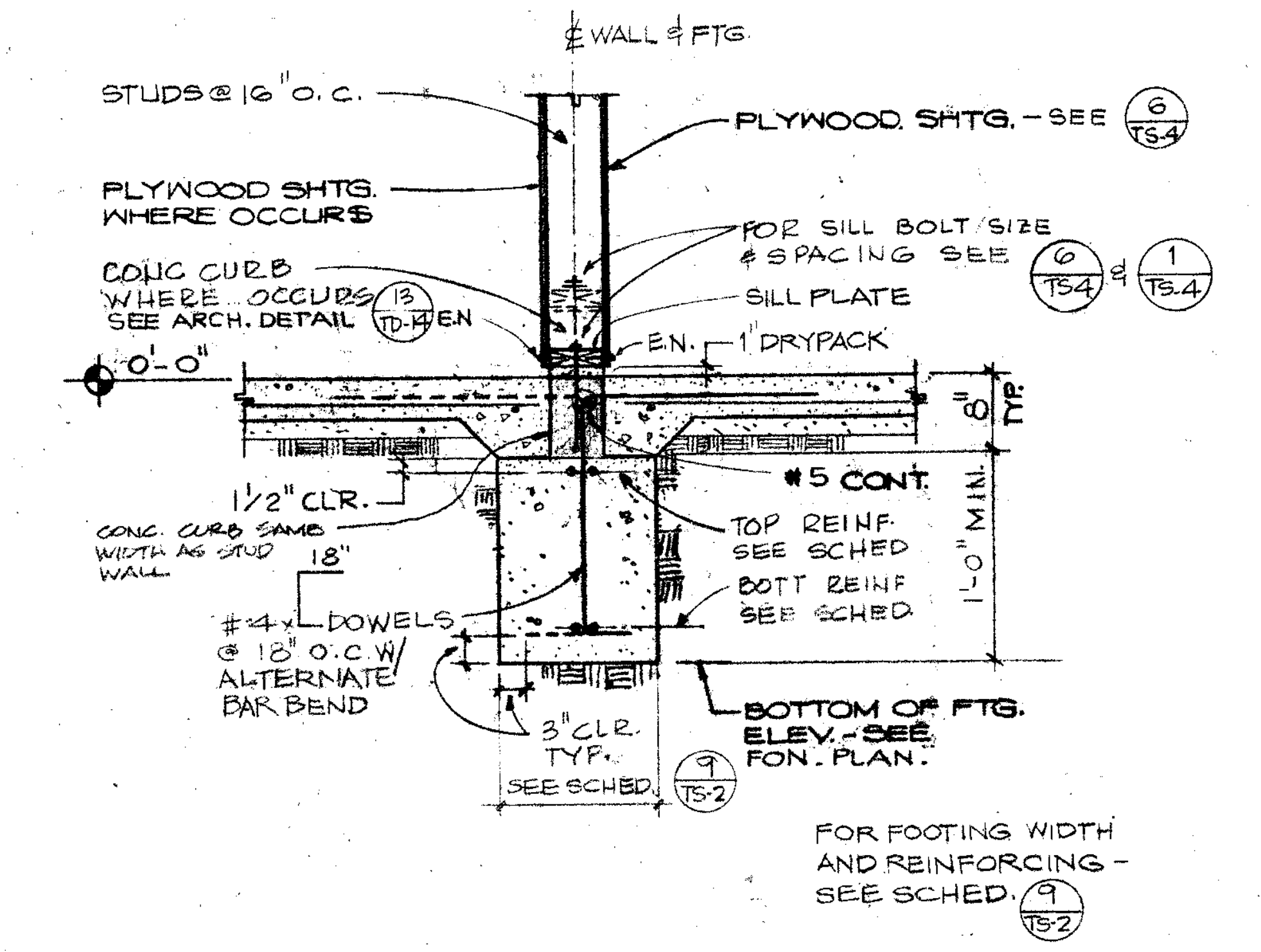

#5 CONT.
8" CONC. BLOCK WALL
GROUT ALL CELLS
#5 VERT @ 24" O/C AT ℄ WALL (NO SPLICE)
#5 HORIZ @ 24" O/C
"H" (8'-0" MAX)
SAND BLAST
INTERIOR FIN. SURFACE
EXTERIOR GRADE
1'-6" MIN.
2-#5 CONT.
ADD #4 CONT. EA. SIDE @ 4'-0" WIDE FTG ONLY
#4 @ 24" O.C. @ 4'-0" WIDE FTG. ONLY
2'-6" FOR H ≤ 6'-0"
4'-0" FOR 6'-0" < H ≤ 8'-0"
ALTERNATE BAR BEND
1'-0" MIN

NOTE:
FOR CONTROL JOINT DETAIL SEE (11/TS-3)

SECTION- FREE STANDING CONC. BLK. WALL 14

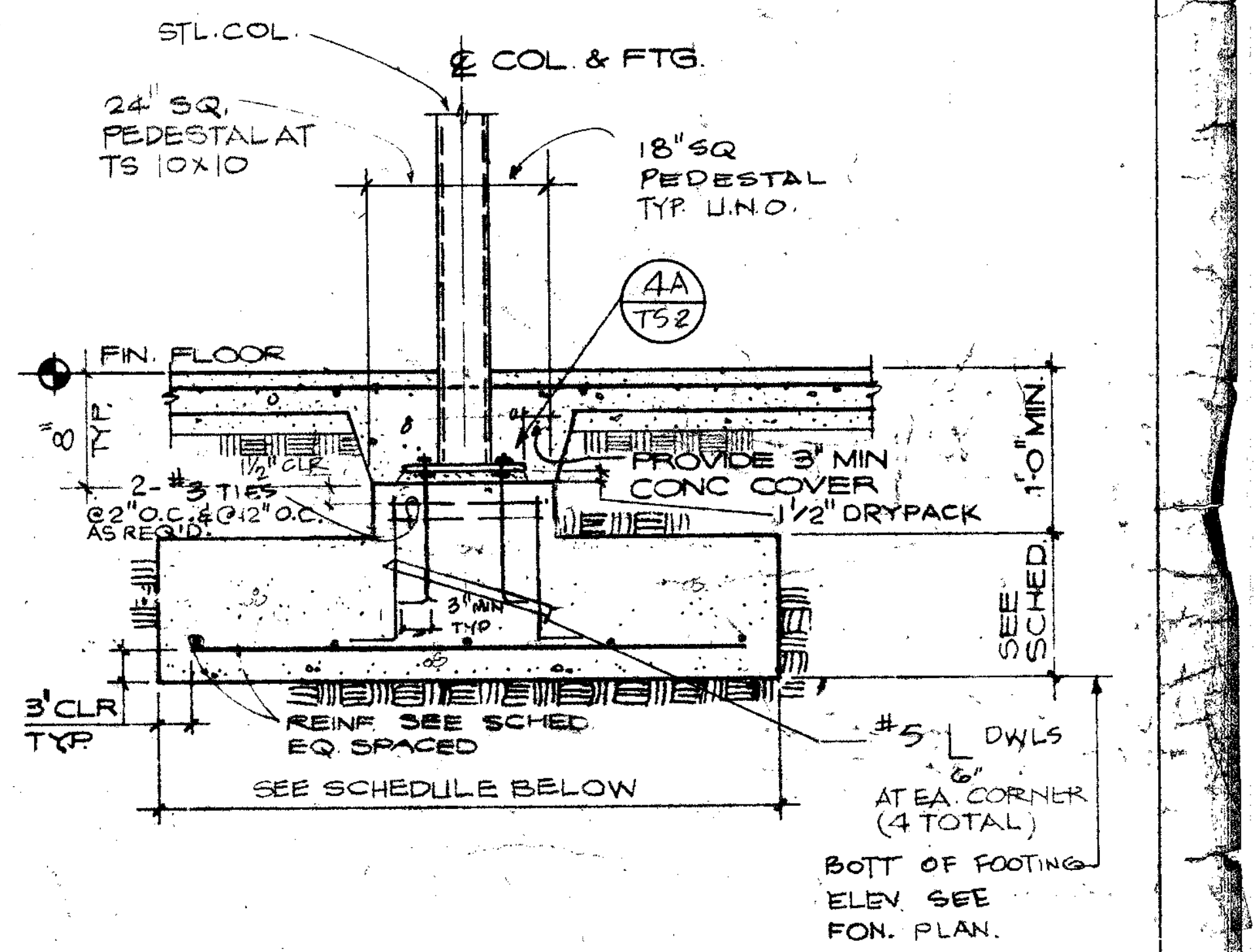

℄ WALL & FOOTING
PLYWOOD SHT'G. WHERE OCCURS
STUDS @ 16" O.C.
PLYWOOD SHEATHING SEE (6/TS-4)
E.N.
1" DRYPACK
1-#5 CONT
#4 x 24 18 DOWELS @ 18" O.C. ALT. BAR BEND
0'-0"
CONC. CURB SAME WIDTH AS STUD WALL
#3 TIES @ 12" O.C.
HORIZ REINFORCING TOP & BOTT PER SCHEDULE (9/TS-2)
PROVIDE 90° HOOKS AT EACH END OF GRADE BM.
3" CLR. TYP.
BOTT. OF FTG. ELEV. - SEE FDN. PLAN
SEE SCHED. (9/TS-2)

GRADE BEAM SECTION 10


℄ WALL & FTG
STUDS @ 16" O.C.
PLYWOOD SHTG. - SEE (6/TS-4)
PLYWOOD SHTG. WHERE OCCURS
CONC CURB WHERE OCCURS SEE ARCH. DETAIL (13/TS-4)
FOR SILL BOLT SIZE & SPACING SEE (6/TS-4) (1/TS-4)
SILL PLATE
E.N.
1" DRYPACK
1½" CLR.
#5 CONT.
TOP REINF. SEE SCHED
BOTT REINF SEE SCHED
CONC. CURB SAME WIDTH AS STUD WALL
#4 x 24 18 DOWELS @ 18" O.C. W/ ALTERNATE BAR BEND
1'-0" MIN.
3" CLR TYP.
BOTTOM OF FTG. ELEV. - SEE FDN. PLAN.
SEE SCHED. (9/TS-2)

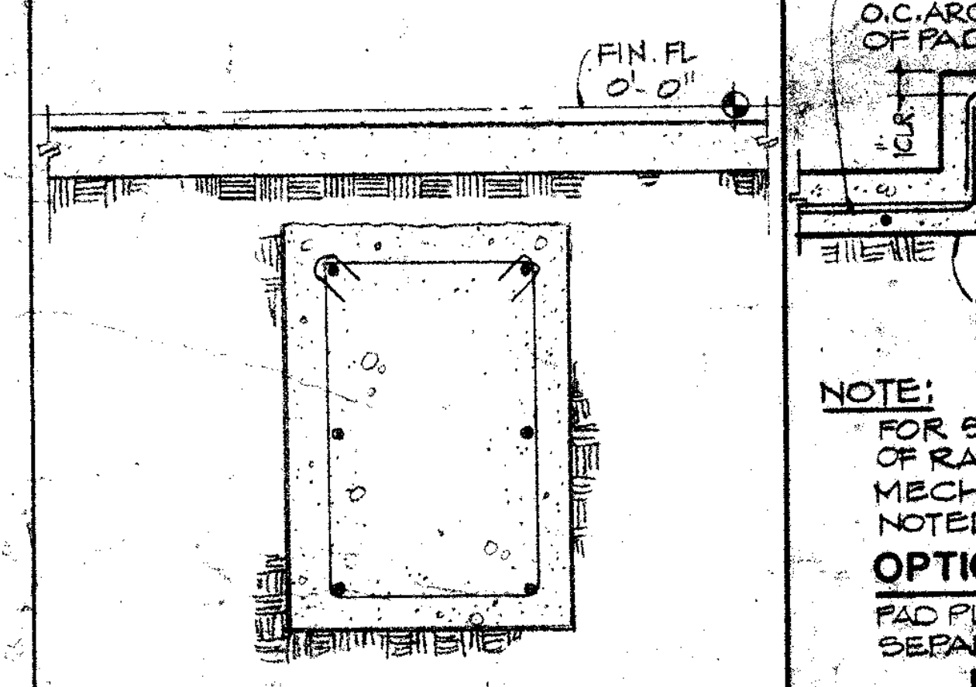
FOR FOOTING WIDTH AND REINFORCING - SEE SCHED. (9/TS-2)

FOOTING AT INTERIOR SHEAR WALL 6


STL. COL.
℄ COL. & FTG.
24" SQ. PEDESTAL AT TS 10x10
18" SQ PEDESTAL TYP U.N.O.
FIN. FLOOR
(4A/TS-2)
#3 TIES @ 8" O.C. AS REQ'D
PROVIDE 3" MIN CONC COVER
1½" DRYPACK
1'-6" MIN.
3" CLR. TYP
REINF. SEE SCHED EQ SPACED
SEE SCHEDULE BELOW
#5 DWLS AT EA. CORNER (4 TOTAL)
BOTT OF FOOTING ELEV. SEE FDN. PLAN.
SEE SCHED

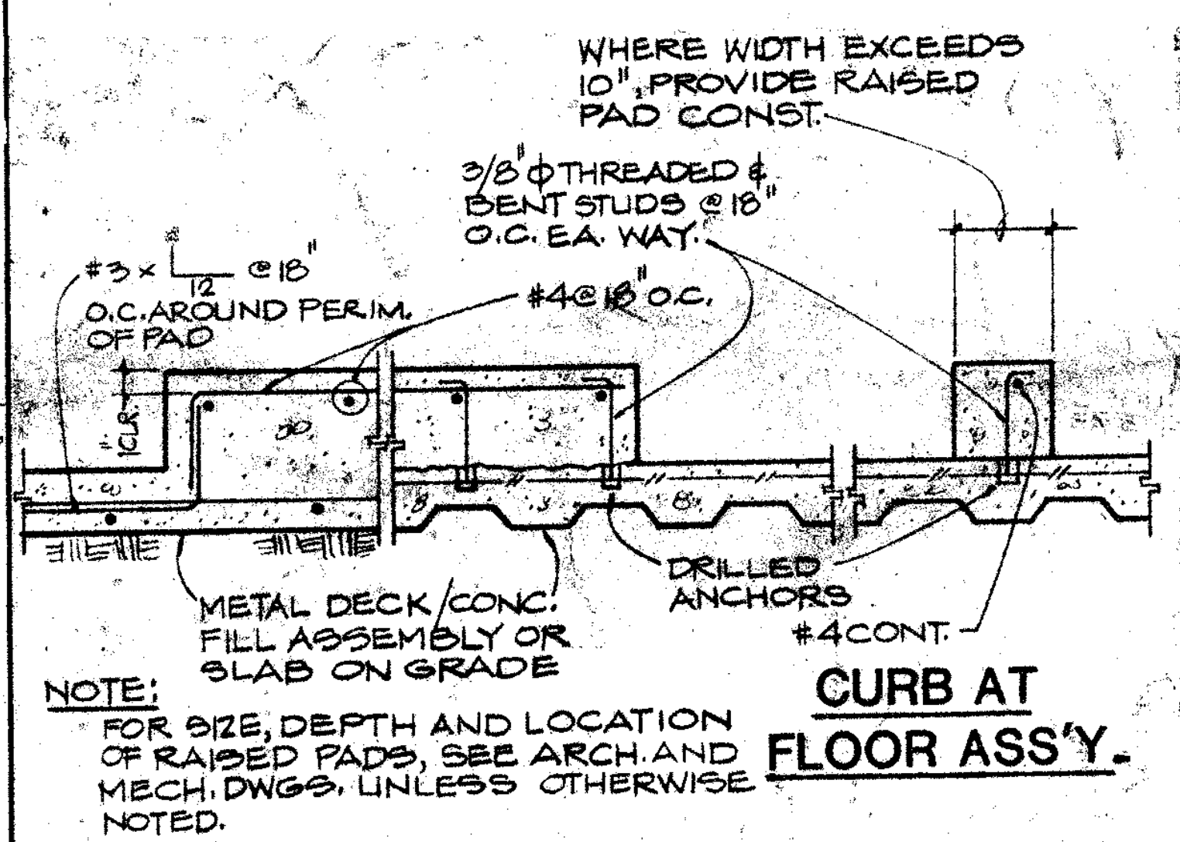
INTERIOR COL. FOOTING

A



NOTE:
SEE (20/TS-2) FOR OTHER DETAILS

GRADE BM SECTION 21


WHERE WIDTH EXCEEDS 10", PROVIDE RAISED PAD CONST.
3/8" ϕ THREADED & BENT STUDS @ 18" O.C. EA. WAY.
#3 x 4" @ 18" O.C. AROUND PERIM. OF PAD
#4 @ 16" O.C.
METAL DECK/CONC. FILL ASSEMBLY OR SLAB ON GRADE
DRILLED ANCHORS
#4 CONT.
CURB AT FLOOR ASS'Y.

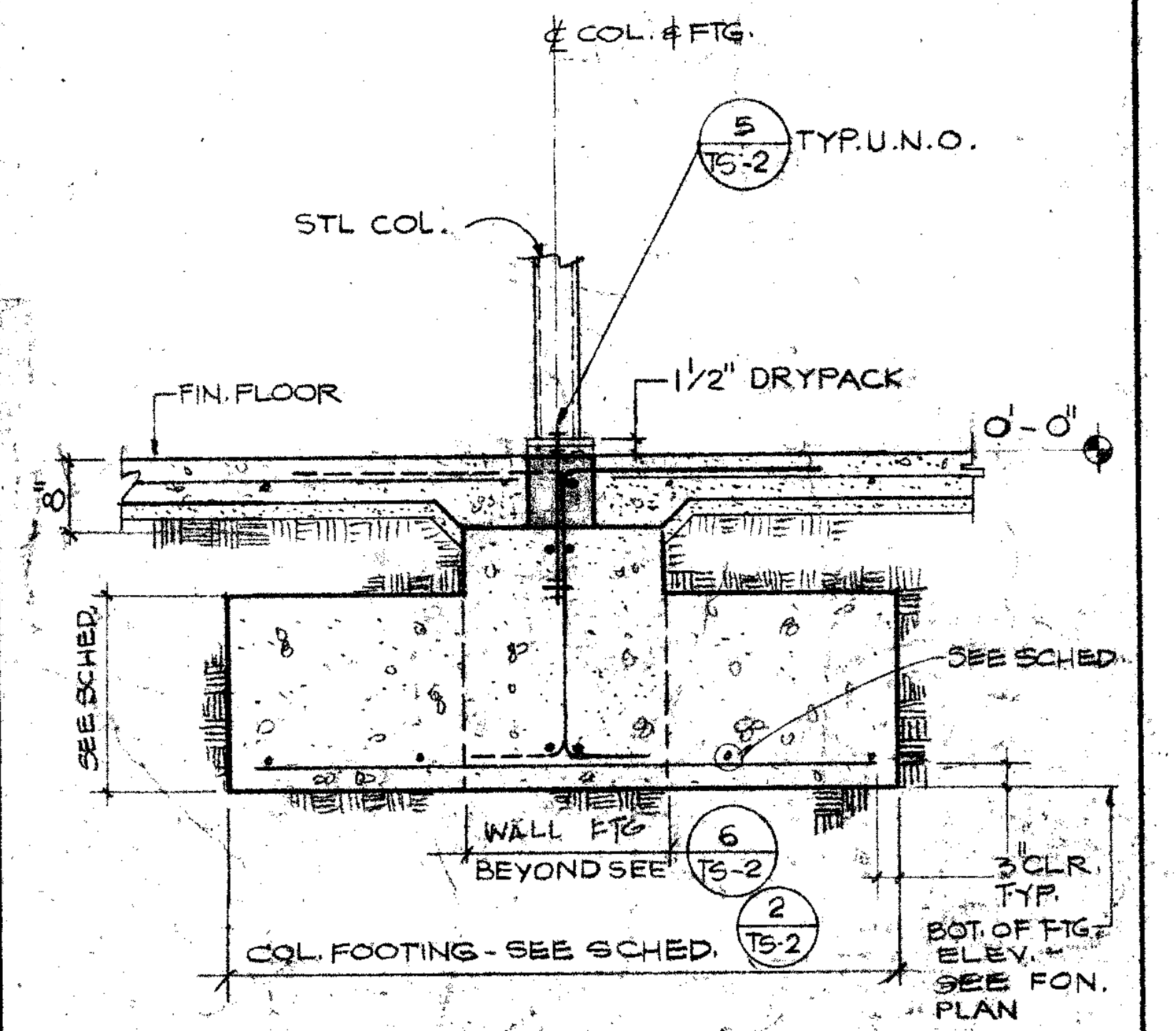
NOTE:
FOR SIZE, DEPTH AND LOCATION OF RAISED PADS, SEE ARCH. AND MECH. DWGS. UNLESS OTHERWISE NOTED.

OPTION I
PAD PLACED SEPARATELY.

OPTION II
PAD PLACED MONOLITHICALLY

RAISED PAD

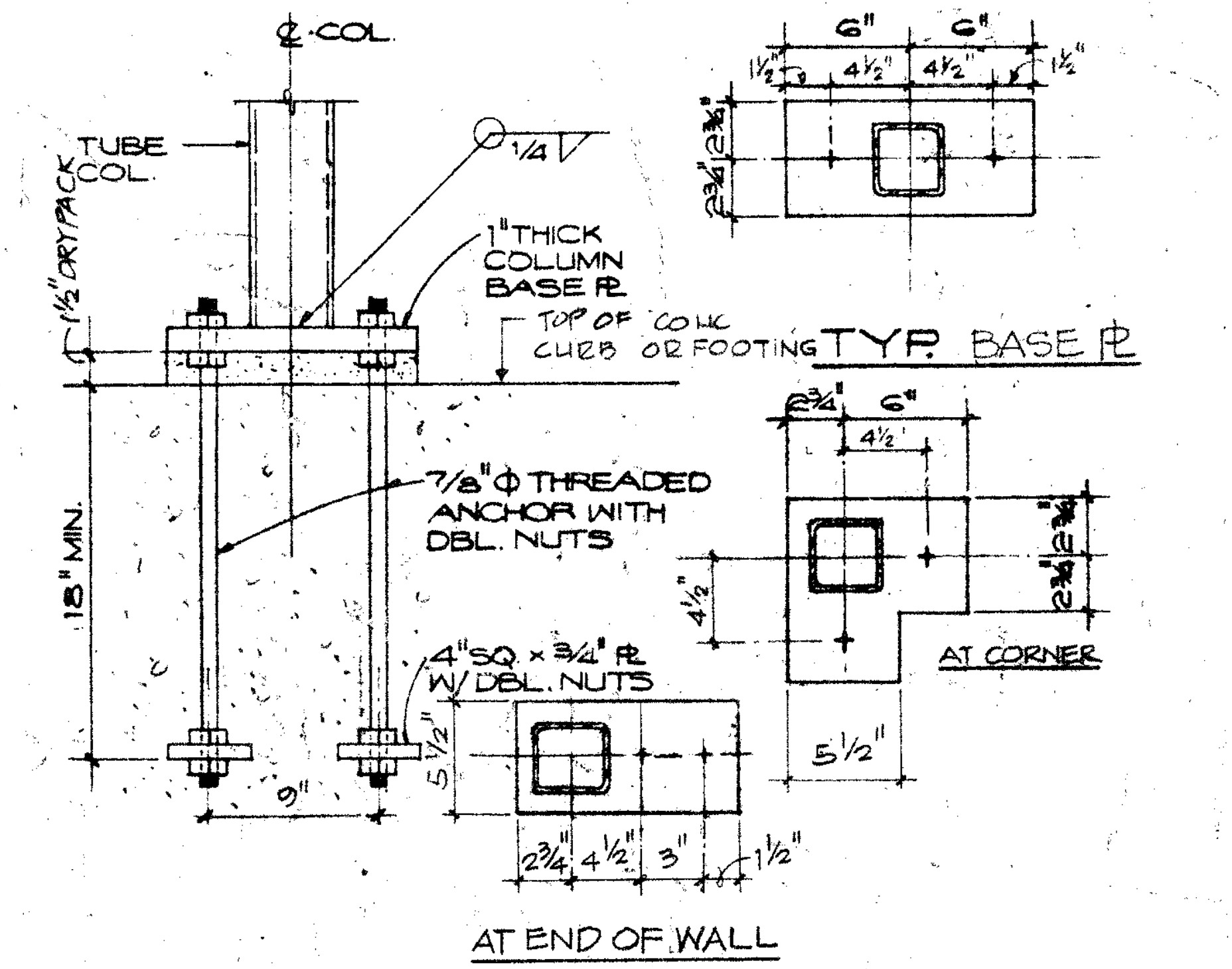
RAISED CONCRETE PAD 17


℄ COL. & FTG.
(5/TS-2) TYP. U.N.O.
STL COL.
FIN. FLOOR
1½" DRYPACK
0'-0"
SEE SCHED
WALL FTG. BEYOND SEE (6/TS-2)
COL. FOOTING - SEE SCHED. (2/TS-2)
3" CLR. TYP.
BOT. OF FTG. ELEV. - SEE FDN. PLAN

COL. FOOTING AT INTERIOR SHEAR WALL 13

FOOTING SCHEDULE			
MARK	FOOTING WIDTH	REINFORCING	REMARKS
(A)	18"	2-#5 T&B	———
(B)	18"	2-#5 T&B	———
(C)	18"	2-#6 T&B	———
(D)	24"	3-#5 T&B	3'-0" MIN. SPLICE STAGGER TOP & BOT. SPLICE
(E)	24"	3-#6 T&B	4'-0" MIN. SPLICE STAGGER TOP & BOT. SPLICE
(F)	24"	6-#6 T&B	4'-0" MIN. SPLICE STAGG TOP & BOT. SPLICE
○			
○			
○			
○			

FOOTING SCHEDULE 9


℄ COL
TUBE COL.
1½" DRYPACK
1" THICK COLUMN BASE ℞
TOP OF CONC. CURB OR FOOTING
TYP BASE ℞
7/8" ϕ THREADED ANCHOR WITH DBL. NUTS
18" MIN.
4"SQ x ¾" ℞ W/ DBL. NUTS
AT CORNER
AT END OF WALL
6"
4½"
1½"
5½"

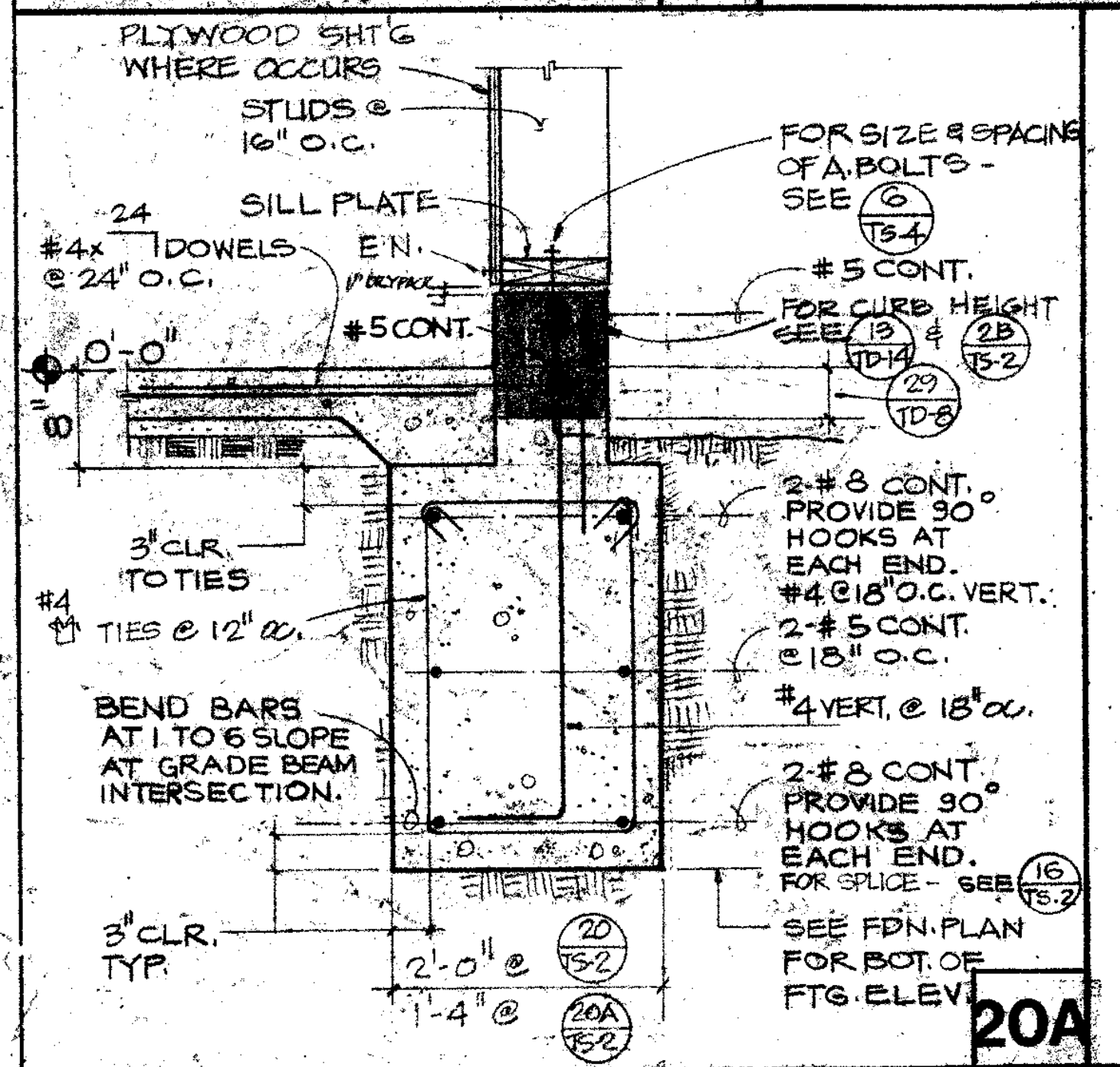
(SEE FOUNDATION PLAN FOR LOCATION OF THIS DETAIL)

BASE PLATE DETAIL AT PLYWOOD SHEAR WALL 5

COLUMN FOOTING SCHEDULE

MARK	PLAN DIMENSION	THICKNESS	REINFORCING
A	NOT USED		
B	4'-0" x 8'-0"	12"	9-#5 TRANSVERSE 4-#5 LONGITUDINAL
C	3'-0" SQ.	12"	4-#4 E.W.
D	3'-6" SQ.	12"	4-#5 E.W.
E	4'-0" SQ.	12"	5-#5 E.W.
F	5'-0" SQ.	16"	6-#5 E.W.
G	6'-0" SQ.	18"	7-#5 E.W.
H	7'-0" SQ	18"	8-#5 E.W.
J	8'-0" SQ	24"	9-#5 E.W.
K	10'-6" SQ	24"	11-#6 E.W.
L	4'-0" x 6'-0"	24"	7-#5 TRANS. TOP & BOT. 4-#5 LONG. TOP & BOT.
M	3'-6" x 5'-6"	24"	6-#5 TRANS. TOP & BOT. 4-#5 LONG. TOP & BOT.

COLUMN FOOTING SCHEDULE & DETAILS 2

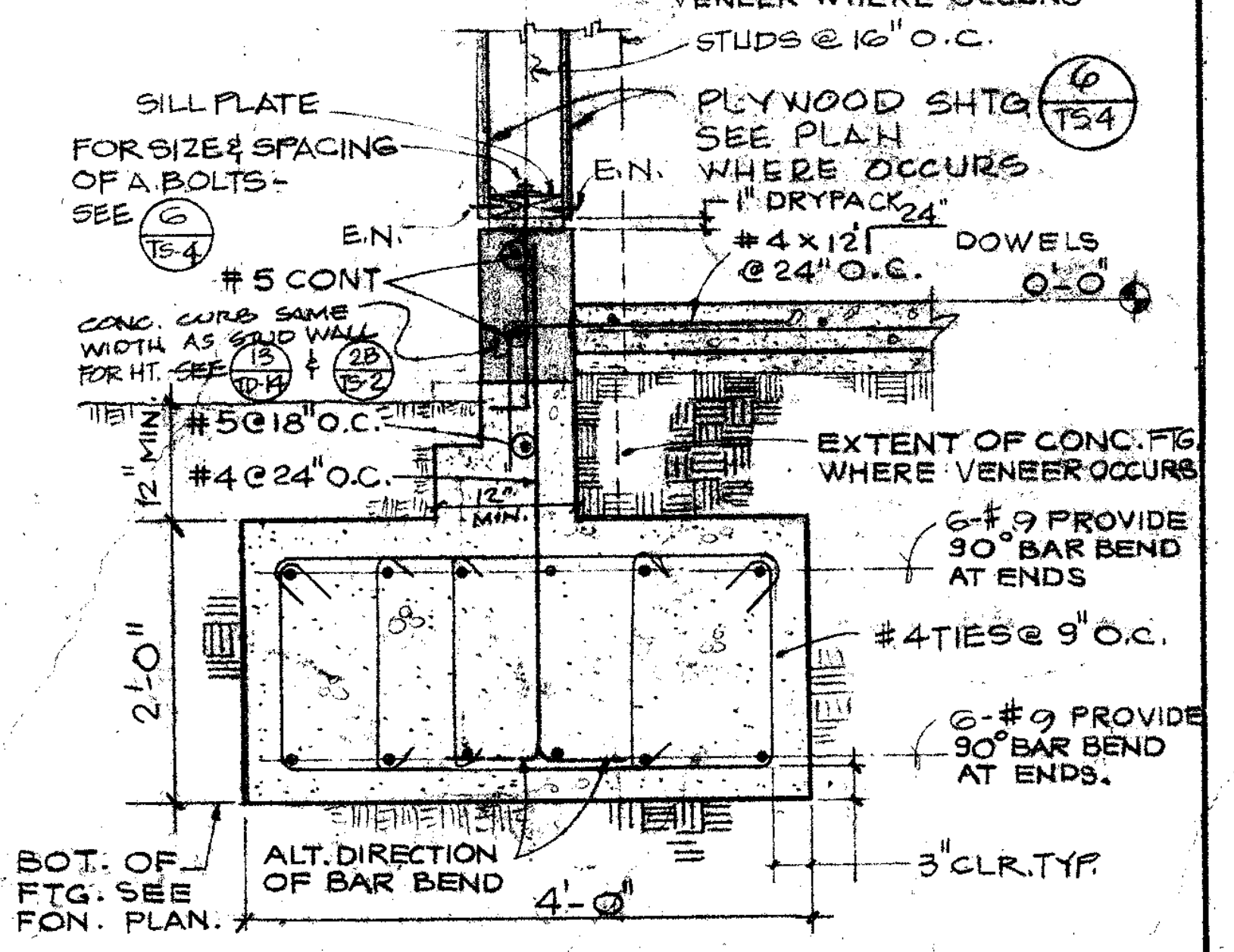

PLYWOOD SHT'G WHERE OCCURS
STUDS @ 16" O.C.
SILL PLATE
#4 x 24 DOWELS @ 24" O.C.
E.N.
FOR SIZE & SPACING OF A. BOLTS - SEE (6/TS-4)
#5 CONT.
FOR CURB HEIGHT SEE (2B/TS-2)
0'-0"
2-#8 CONT. PROVIDE 90° HOOKS AT EACH END.
#4 @ 18" O.C. VERT.
2-#5 CONT. @ 18" O.C.
3" CLR. TO TIES
#4 TIES @ 12" O.C.
#4 VERT. @ 18" O.C.
BEND BARS AT 1 TO 6 SLOPE AT GRADE BEAM INTERSECTION.
2-#8 CONT. PROVIDE 90° HOOKS AT EACH END. FOR SPLICE - SEE (16/TS-2)
SEE FDN. PLAN FOR BOT. OF FTG. ELEV.
3" CLR. TYP.
2'-0" @
1'-4" @
(20A/TS-2)
20A

GRADE BEAM SECTION SCALE ¾"=1'-0" 20

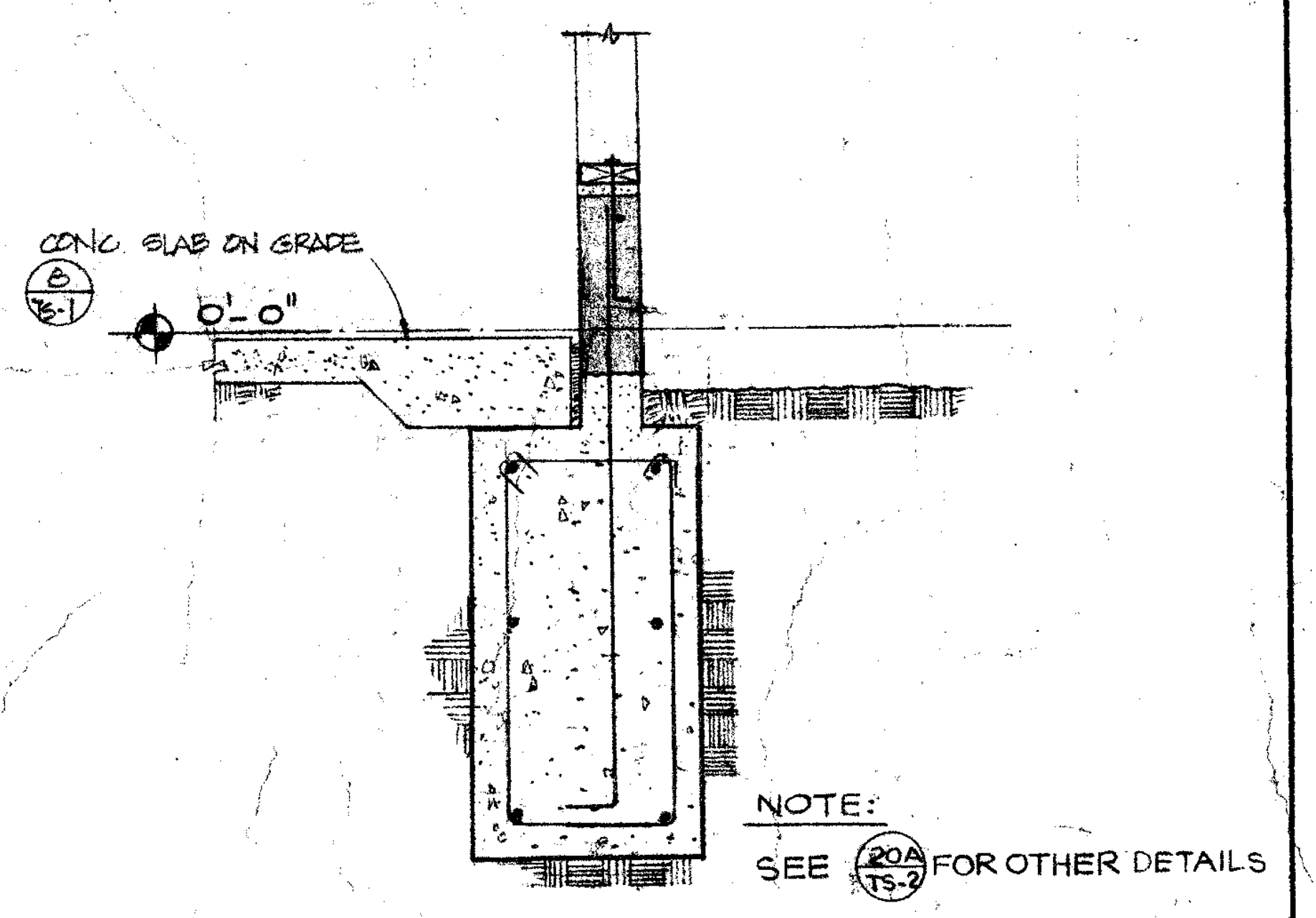
BAR SIZE	TOP BARS	BOT BARS
#5	3'-0"	2'-6"
#6	4'-0"	3'-0"
#7	5'-6"	4'-0"
#8	7'-0"	5'-0"
#9	9'-0"	7'-0"

TYP. GRADE BEAM REINF. SPLICE SCHEDULE

SCHEDULE 16

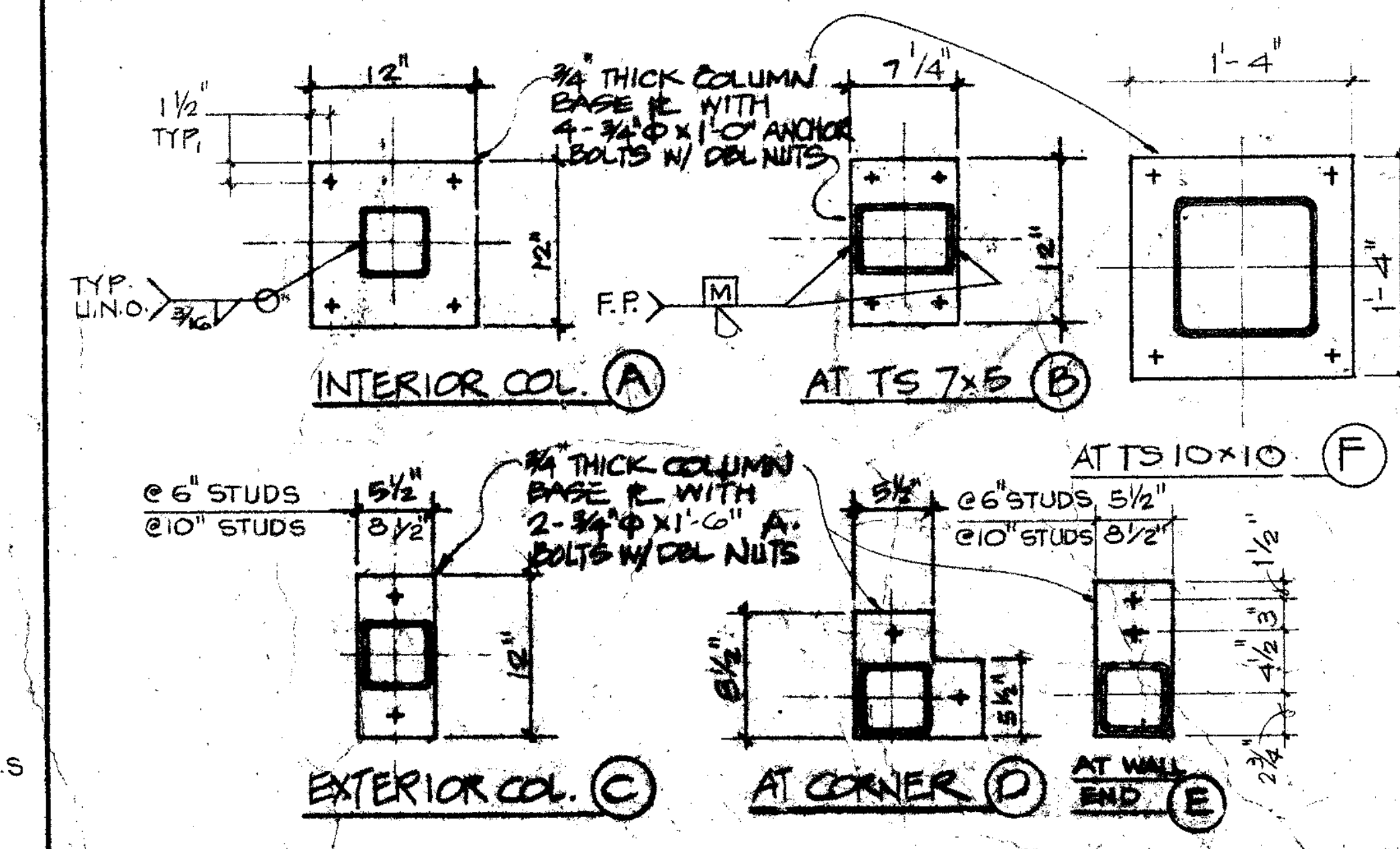

℄ WALL & GRADE BM.
VENEER WHERE OCCURS
STUDS @ 16" O.C.
SILL PLATE
FOR SIZE & SPACING OF A. BOLTS - SEE (6/TS-4)
PLYWOOD SHTG SEE PLAN WHERE OCCURS (6/TS4)
E.N.
1" DRYPACK
#5 CONT.
#4 x 12 24 DOWELS @ 24" O.C.
0'-0"
CONC. CURB SAME WIDTH AS STUD WALL FOR HT. SEE (12/TS-2)
#5 @ 18" O.C.
#4 @ 24" O.C.
EXTENT OF CONC. FTG. WHERE VENEER OCCURS
6-#9 PROVIDE 90° BAR BEND AT ENDS
#4 TIES @ 9" O.C.
6-#9 PROVIDE 90° BAR BEND AT ENDS.
2'-0"
4'-0"
BOT. OF FTG. SEE FDN. PLAN.
ALT. DIRECTION OF BAR BEND
3" CLR. TYP.

GRADE BEAM SECTION SCALE ¾"=1'-0" 12

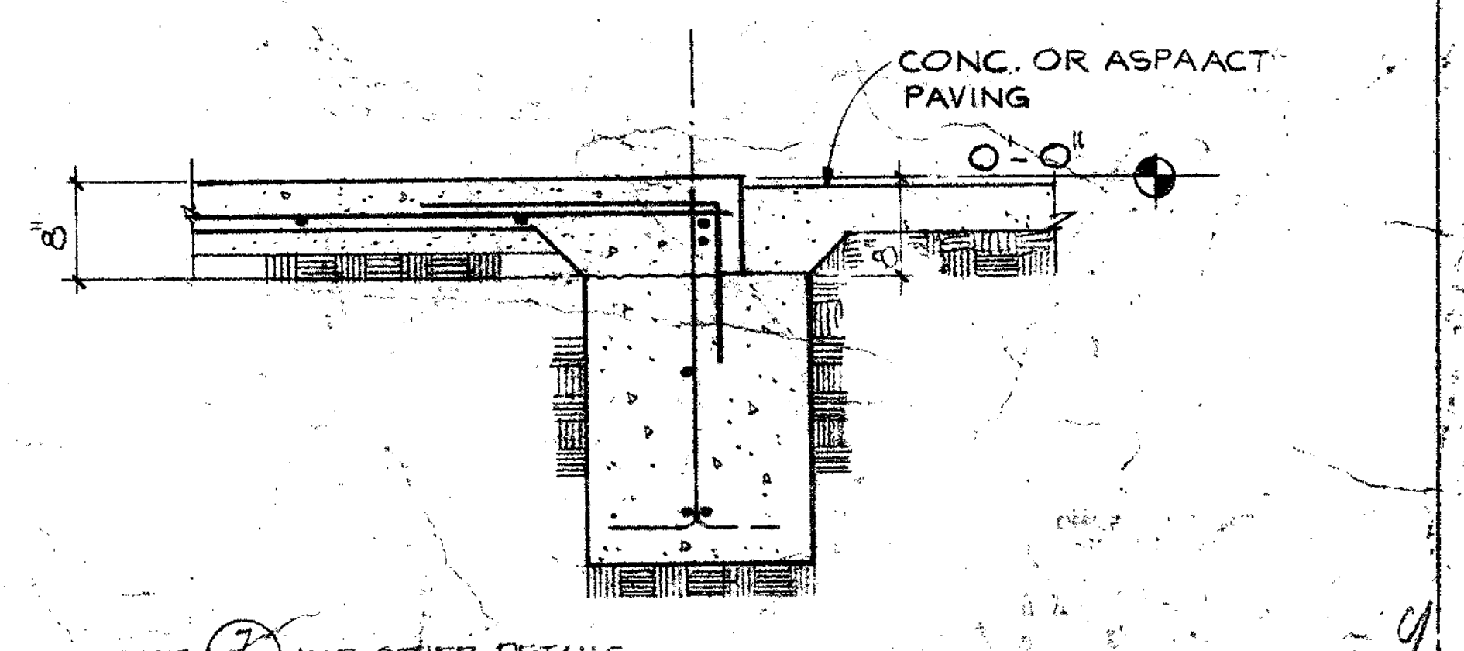

CONC. SLAB ON GRADE (6/S-1)
0'-0"

NOTE:
SEE (20A/TS-2) FOR OTHER DETAILS

GRADE BEAM SECTION 8


1½" TYP.
12"
¾" THICK COLUMN BASE ℞ WITH 4-¾" ϕ x 1'-0" ANCHOR BOLTS W/ DBL NUTS
7¼"
1'-4"
TYP. U.N.O.
F.P.
INTERIOR COL. (A)
AT TS 7x5 (B)
AT TS 10x10 (F)
@ 6" STUDS 5½"
@ 10" STUDS 9½"
¾" THICK COLUMN BASE ℞ WITH 2-¾" ϕ x 1'-0" A. BOLTS W/ DBL NUTS
EXTERIOR COL. (C)
AT CORNER (D)
AT WALL END (E)

BASE PLATE PLAN DETAILS 4


CONC. OR ASPHALT PAVING
0'-0"
8"

SEE (7/TS-2) FOR OTHER DETAILS

SECTION 1

Drawn By MN
Checked By GRU
Date MAR. 1988
Commission 801-30-05
Revisions
BID JANUARY 1991

Brandow & Johnston Assoc.
Structural Engineers

No. 956
EXP. 12-31-88

RUHNAU RUHNAU TODD/ASSOCIATES Architects Planners

ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

TYPICAL FOUNDATION DETAILS AND STEEL COLUMN BASE PLATES

Sheet Number TS-2
Sheets

STATE BUILDING CODE
(Part 2, Title 24, C.A.C.)

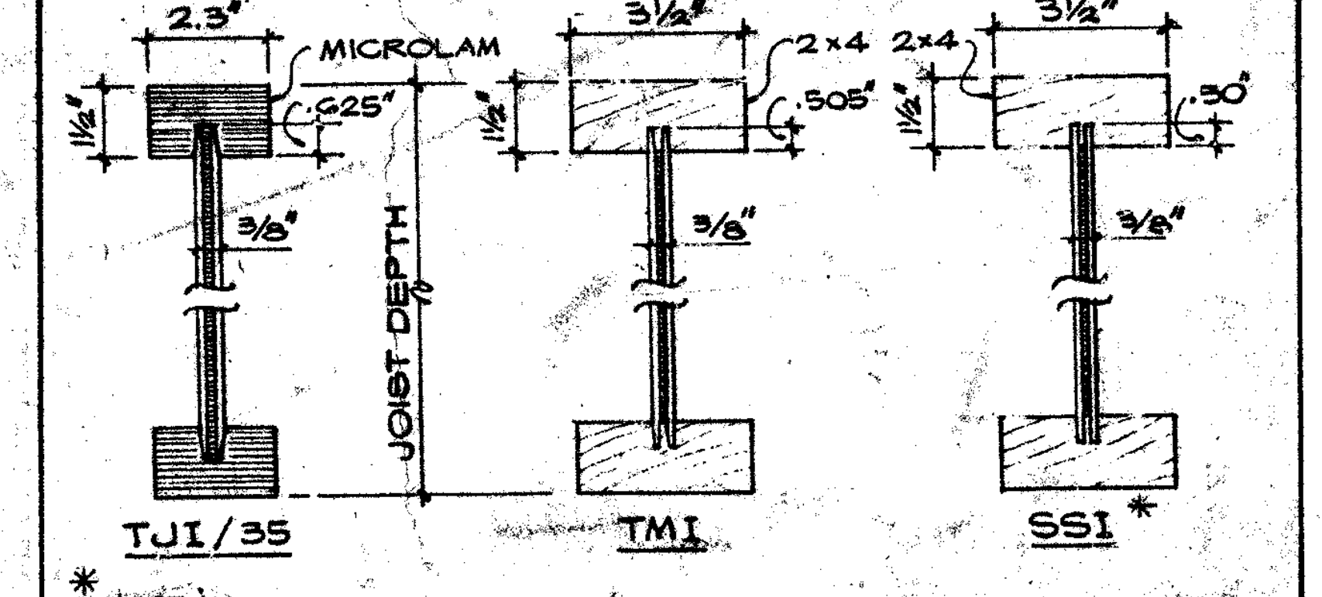
TABLE NO. 2-25P
Nailing Schedule

Connection	Common Wire Nail[1]
Joists or rafters to sides of studs	
Eight (8) inch joists or less	3-16d
For each additional four (4) inches in depth of joist	1-16d
Joists or rafters at all bearings—	
Toe nails, each side	2-10d[10]
Ceiling joists, laps over partitions, face nail	3-16d
Ceiling joists to parallel rafters, face nail	3-16d
Blocking between joists or rafters—	
To joist or rafters—Toe nails, each side, each end	2-10d[10]
To joist or rafter bearings—Toe nails, each side	2-10d[10]
Blocking between studs, each end	2-10d toe nails or 2-16d
Bridging to joist, toe nail each end	2-8d
Sole plate to joist or blocking, face nail	16d at 16" oc
Top plate to stud, end nail	2-16d
Stud to sole plate, toe nail	4-8d
Doubled studs, face nail	16d at 24" oc
Top plates, laps and intersections, face nail	2-16d
Double top plates, face nail—(See 2-2518(g)4 for minimum lap)	16d at 16" oc
Built-up corner studs	16d at 24" oc
Ribbons to studs	
One (1) inch ribbons	2-8d
Two (2) inch ribbons	2-16d
Continuous header, two pieces	16d at 16" oc along each edge
Continuous header to stud, toe nail	4-8d
1" brace to each stud and plate, face nail	2-8d
1" × 8" sheathing or less to each bearing, face nail	2-8d

NAILING SCHEDULE **24**

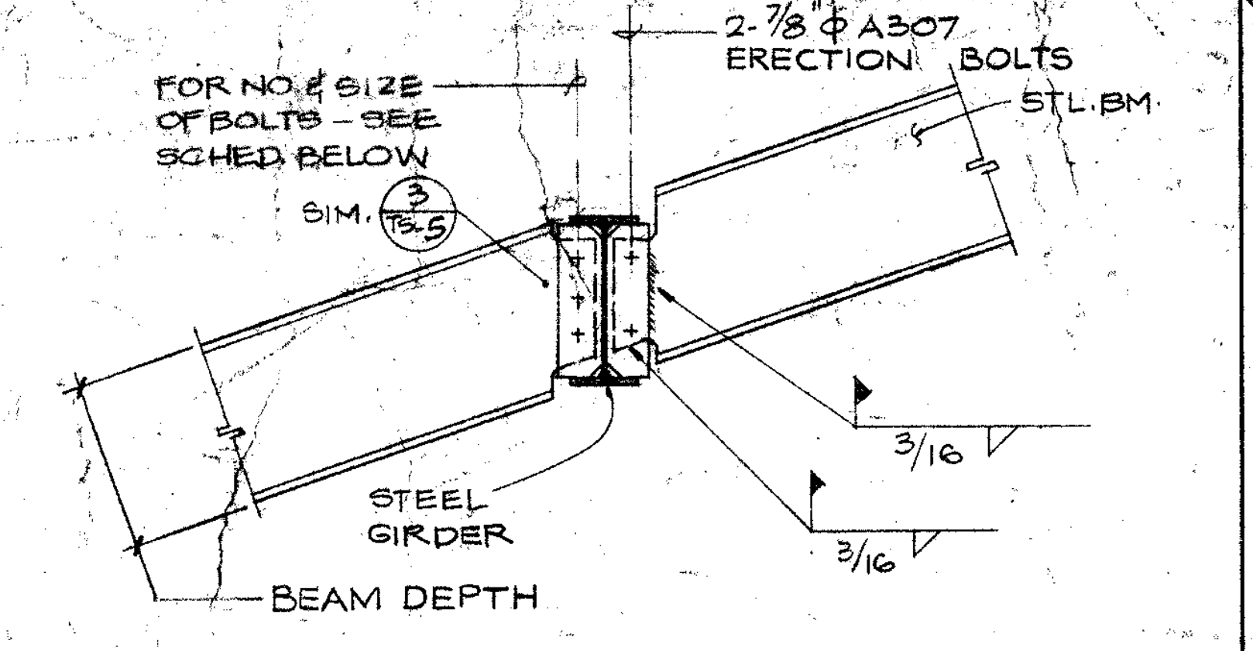
PLYWOOD WEB JOIST SCHEDULE

MANUFACTURER	JOIST TYPE	JOIST DEPTH	TOP & BOTT. CHORDS SIZE	WEB
TRUS JOIST	TJI/35	10", 12", 14" 16", 18" & 20"	1½"×2.3" MICRO LAM F_t = 2100 PSI	3/8" PLYWOOD
TMI STRUCTURAL SYSTEM *	TMI	10", 12", 14" 16", 18" & 20"	2×4 MSR DOUGLAS FIR F_t = 2100 PSI	3/8" PLYWOOD
STANDARD STRUCTURES *	SSI	10", 12", 14" 16", 18" & 20"	2×4 MSR DOUGLAS FIR F_t = 2100 PSI	3/8" PLYWOOD


2.3"
MICROLAM
.625"
1½"
3/8"
JOIST DEPTH
3½"
2×4
2×4
.505"
3/8"
3½"
.50"
3/8"
TJI/35
TMI
SSI *

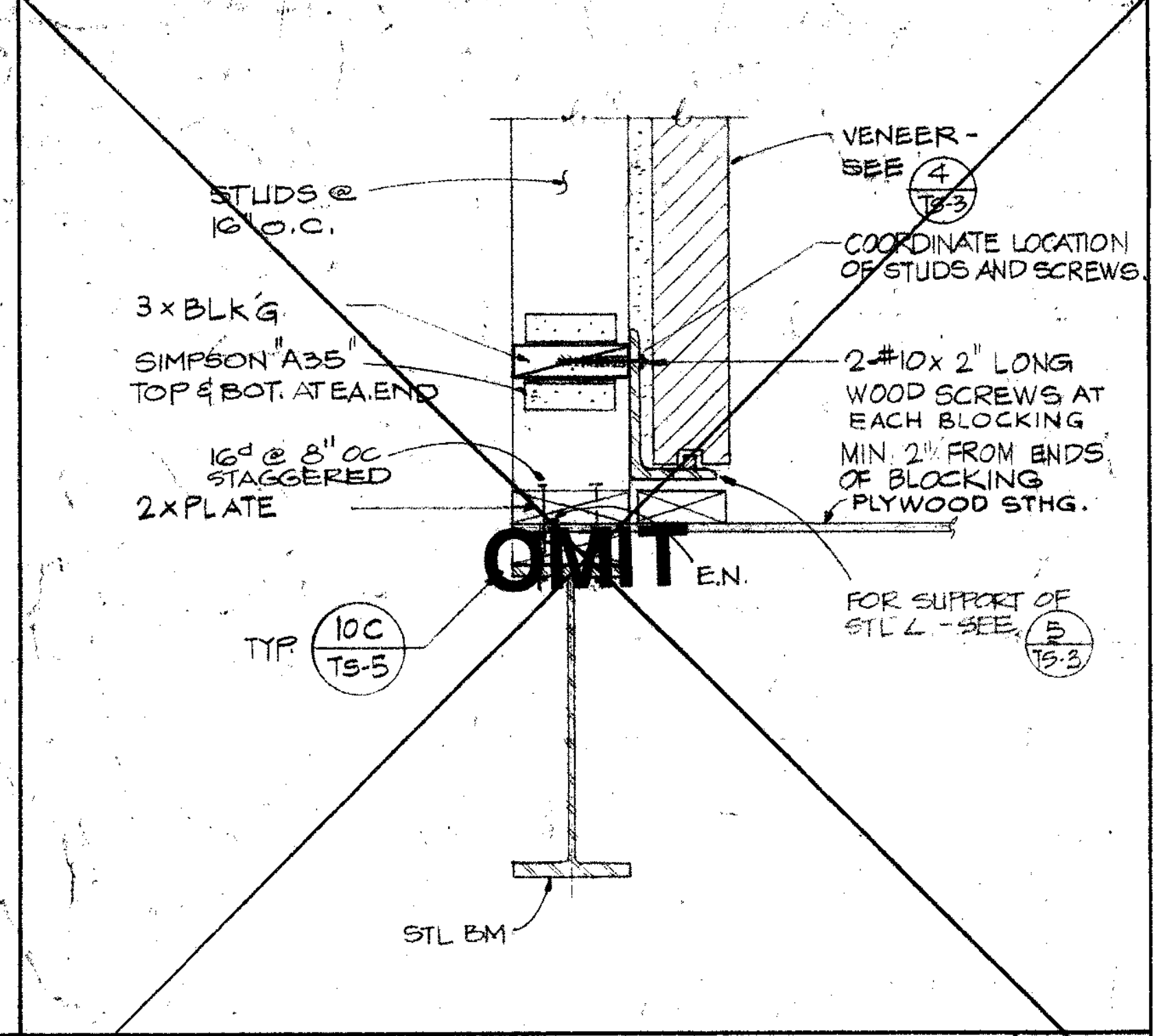
* NOTE:
TMI & SSI JOIST REQUIRE CONTINUOUS FABRICATION INSPECTION BY A INSPECTOR APPROVED BY O.S.A. COST OF INSPECTION BE PAID BY OWNER. BACK CHARGED TO GENERAL CONTRACTOR

TYP. PLYWOOD WEB JOIST SCHEDULE **19**

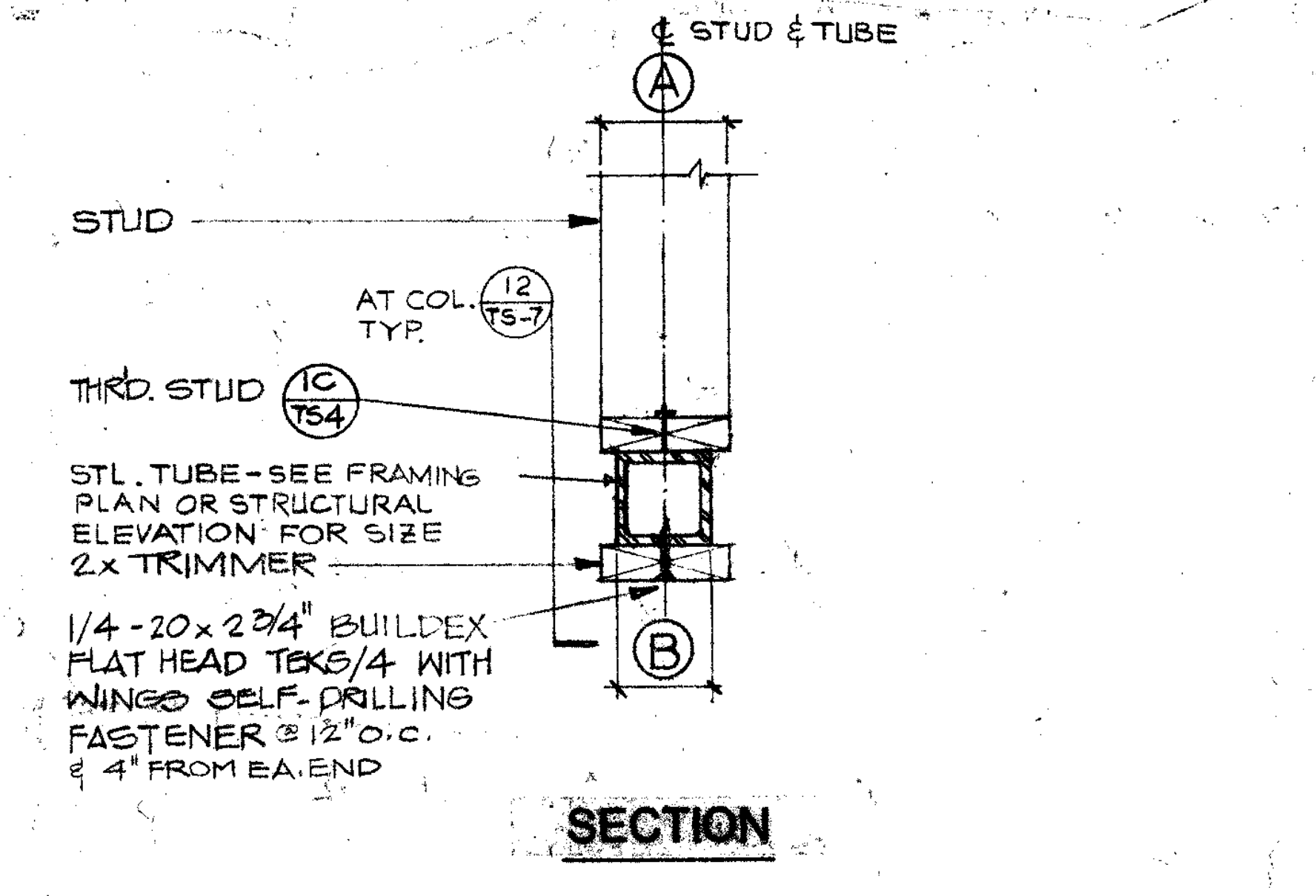

2-7/8"Φ A307 ERECTION BOLTS
STL. BM.
FOR NO. & SIZE OF BOLTS – SEE SCHED. BELOW
SIM. 3/TS-5
STEEL GIRDER
3/16
3/16
BEAM DEPTH

BEAM DEPTH	NO. & SIZE	TYPE
W12	3-7/8" Φ	A307
W14	3-7/8" Φ	A307
W16	4-7/8" Φ	A307

SLOPING BEAM TO GIRDER **14**


STUDS @ 16" O.C.
VENEER - SEE 4/TS-3
COORDINATE LOCATION OF STUDS AND SCREWS.
3×BLK'G
SIMPSON "A35" TOP & BOT. AT EA. END
2-#10×2" LONG WOOD SCREWS AT EACH BLOCKING MIN. 2" FROM ENDS OF BLOCKING
16d @ 8" OC STAGGERED
2×PLATE
PLYWOOD STHG.
OMIT
E.N.
TYP. 10C/TS-5
FOR SUPPORT OF STL ∠ - SEE 5/TS-3
STL BM

VENEER ANGLE SUPPORT **10**


℄ STUD & TUBE
A
STUD
AT COL. 12/TS-7 TYP.
THRD. STUD 1C/TS4
STL. TUBE - SEE FRAMING PLAN OR STRUCTURAL ELEVATION FOR SIZE
2x TRIMMER
1/4-20×2¾" BUILDEX FLAT HEAD TEKS/4 WITH WINGS SELF-DRILLING FASTENER @ 12" o.c. & 4" FROM EA. END
B
SECTION

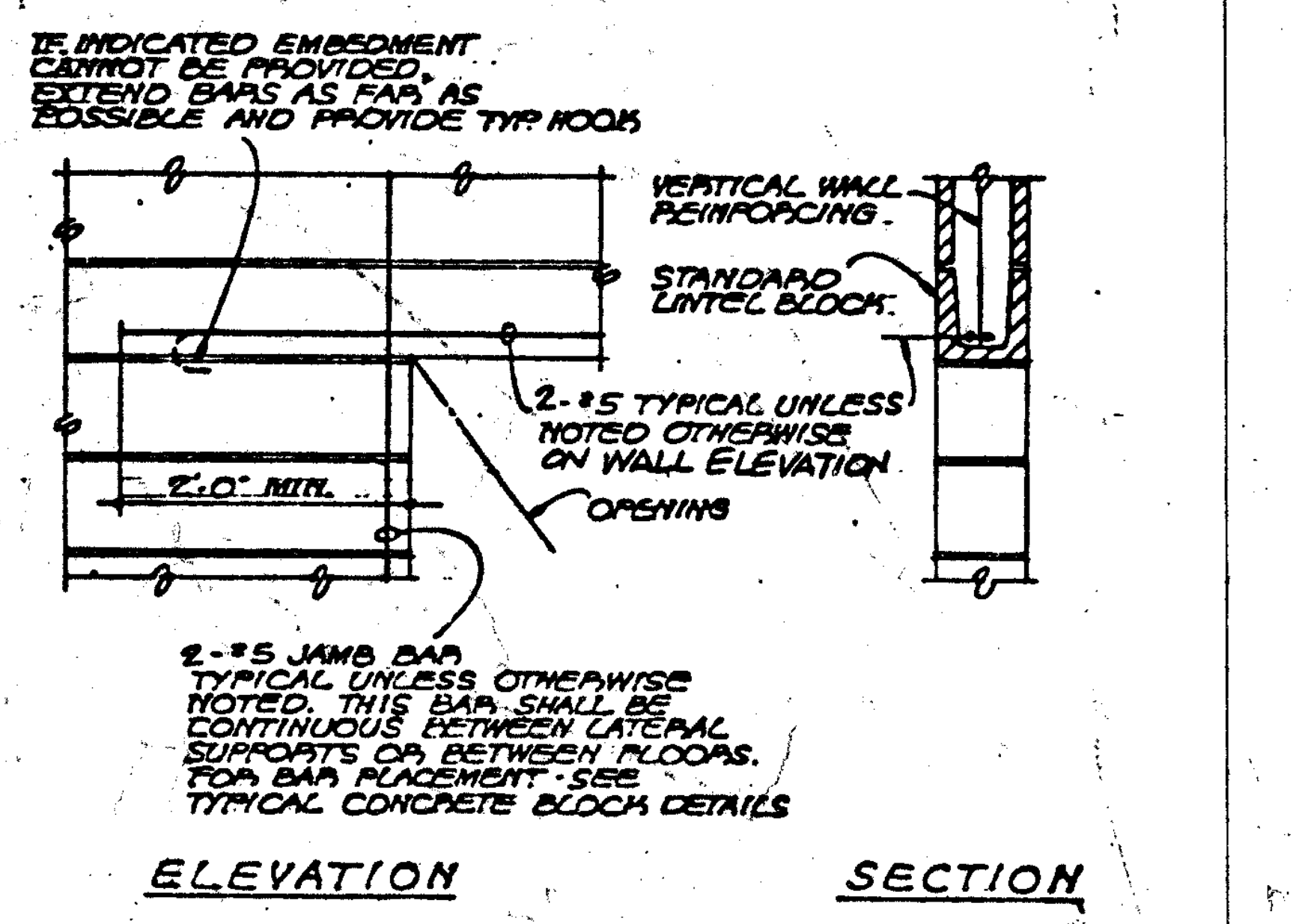
SCHEDULE

NOM. STUD WIDTH (A)	* TUBE WIDTH (B)	ANGLE SIZE
6"	4"	L5×5×1/2"
6"	5"	L5×5×1/2"
10"	6"	L5×5×1/2"
10"	7"	L5×5×1/2"
8"	5"	L5×5×1/2"

* SEE ROOF FRAMING PLAN AND/OR ELEVATION FOR TUBE SIZE AND THICKNESS

(AT STEEL TUBE)

VENEER SUPPORT **6**


IF INDICATED EMBEDMENT CANNOT BE PROVIDED, EXTEND BARS AS FAR AS POSSIBLE AND PROVIDE TYP. HOOK
VERTICAL WALL REINFORCING.
STANDARD LINTEL BLOCK.
2-#5 TYPICAL UNLESS NOTED OTHERWISE ON WALL ELEVATION
2'-0" MIN.
OPENING
2-#5 JAMB BAR TYPICAL UNLESS OTHERWISE NOTED. THIS BAR SHALL BE CONTINUOUS BETWEEN LATERAL SUPPORTS OR BETWEEN FLOORS. FOR BAR PLACEMENT SEE TYPICAL CONCRETE BLOCK DETAILS
ELEVATION
SECTION

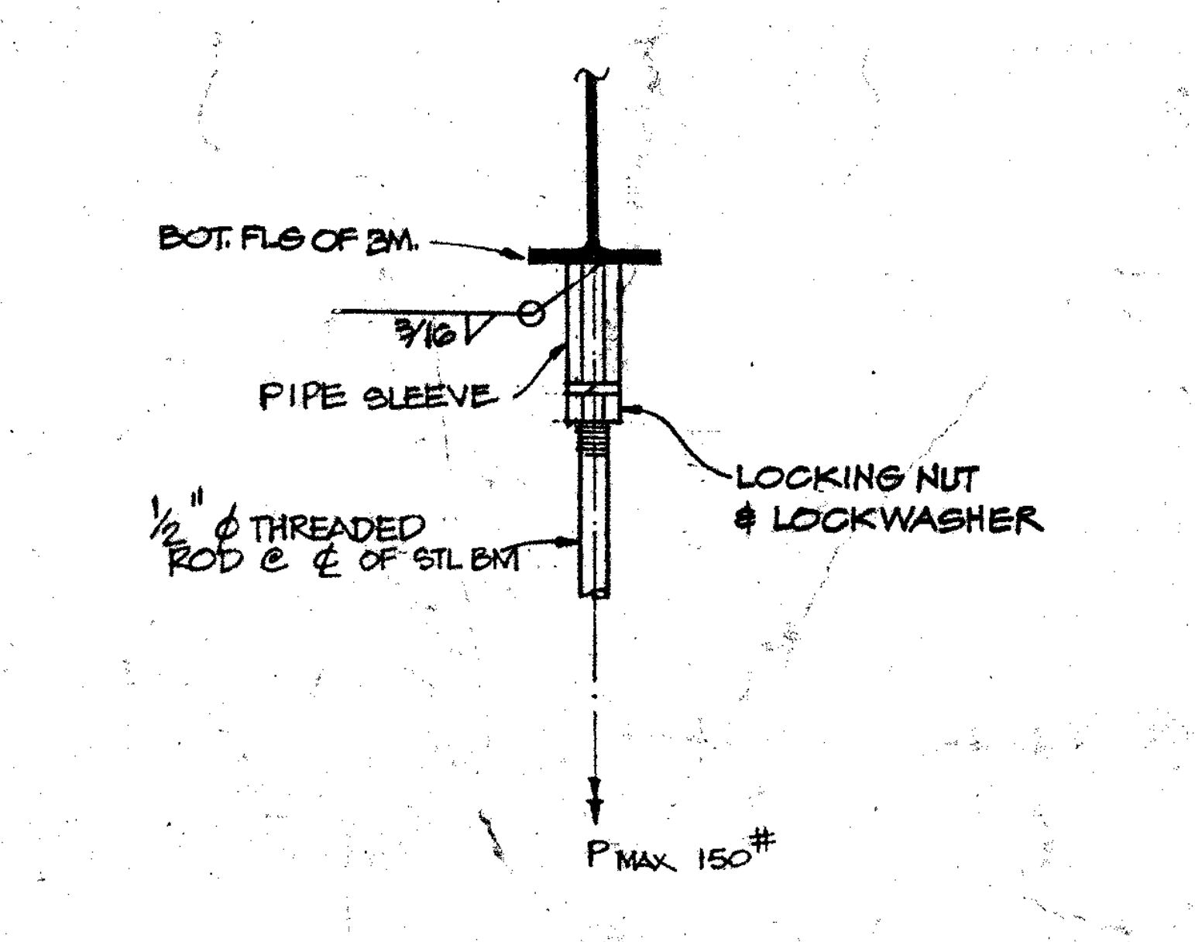
OPENING IN BLOCK WALL DETAIL **3**

PROOF LOAD TESTS FOR EXPANSION
TYPE ANCHOR BOLTS
(Bolts must have I.C.B.O. Approval)

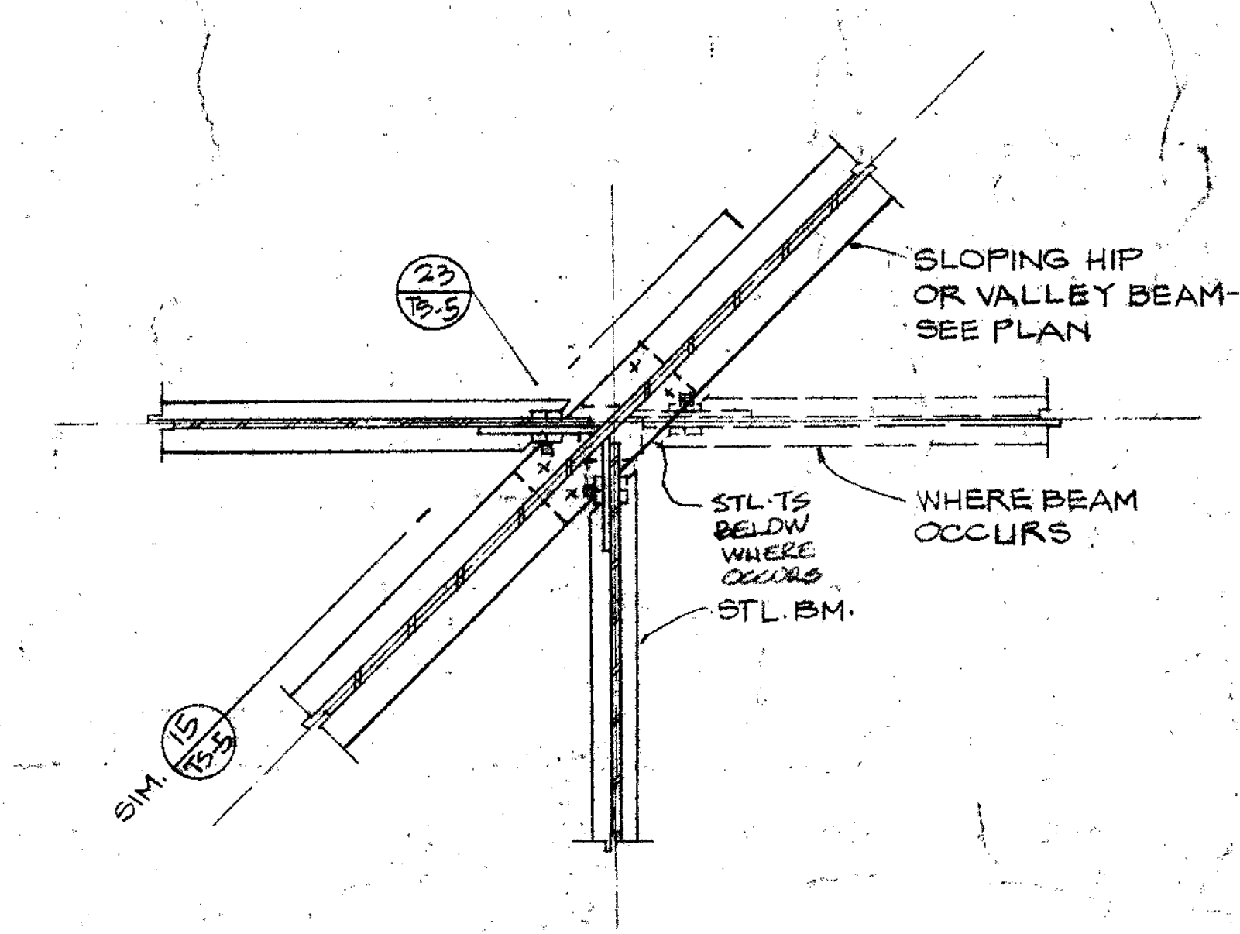
All concrete anchor bolts of the expansion type (loaded in either pullout or shear) shall have 50 percent of the bolts (alternate bolts in any group arrangement) proof tested in tension to twice the allowable tension load. If there are any failures, the immediately adjacent bolts must then also be tested.

Type of Materials	Type of Test	Bolt Diameter 3/8"	1/2"	5/8"	3/4"
Hard Rock Concrete	Direct Pull-Tension, LBS.	1300	2000	2900	4300
	Torque Wrench-Torque, FT. LBS.	25	50	110	150
Lt. Wt. Concrete	Direct Pull-Tension, LBS.	970	1400	1950	2590
	Torque Wrench-Torque, FT. LBS.	20	35	75	90

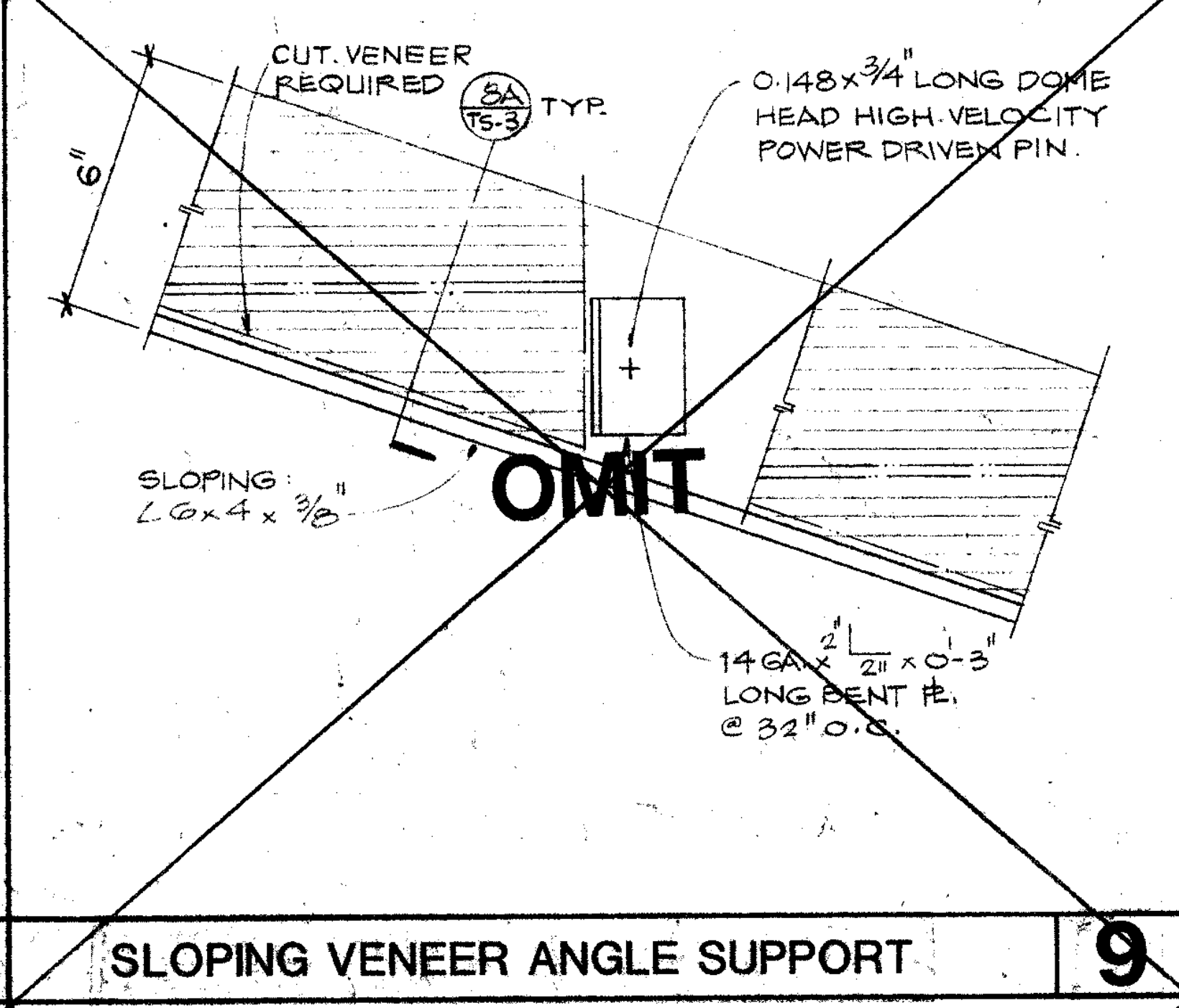
PROOF LOAD TEST **23**


BOT. FLG OF BM.
3/16
PIPE SLEEVE
LOCKING NUT & LOCKWASHER
½"Φ THREADED ROD @ ℄ OF STL BM
P_{MAX} 150#

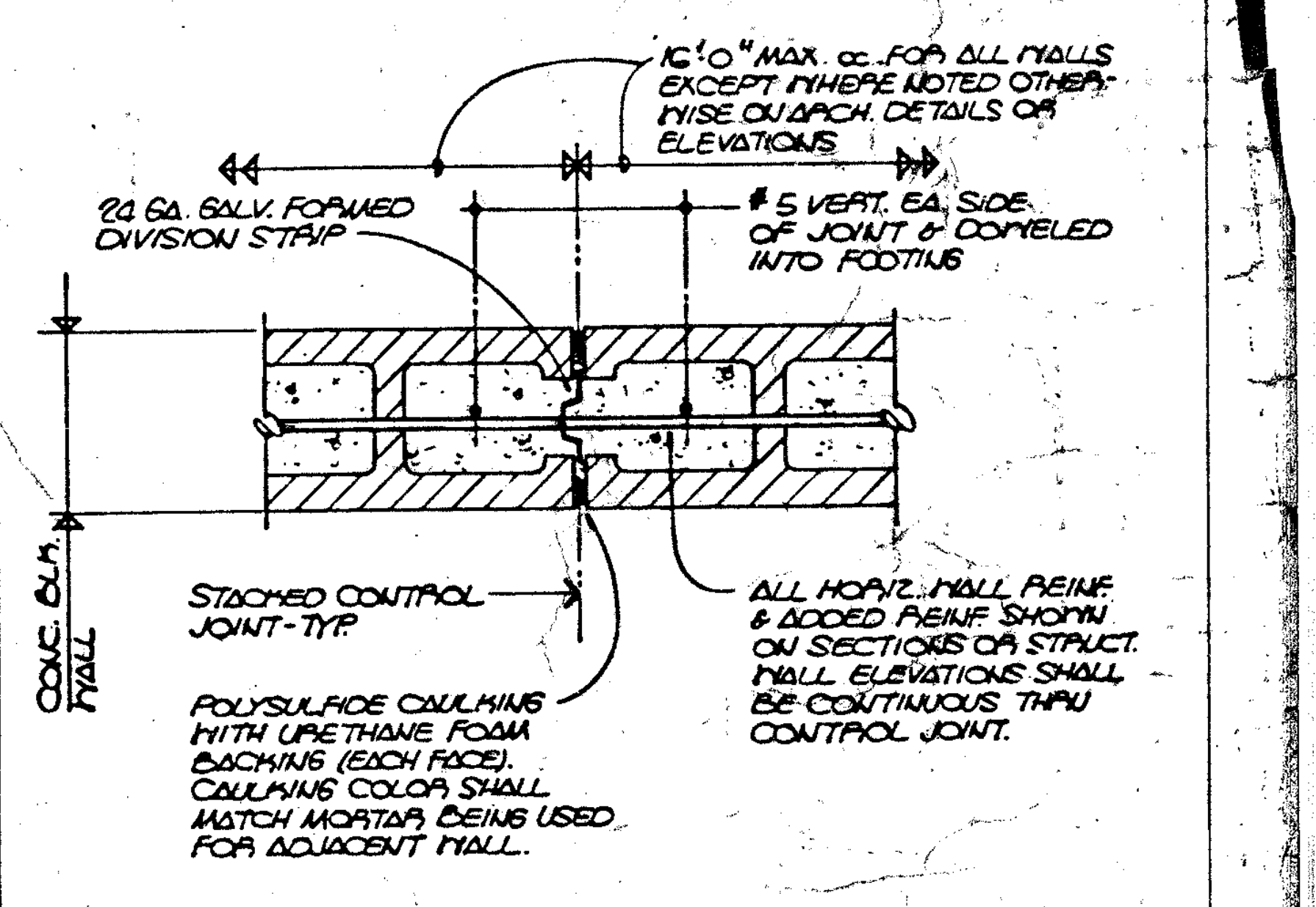
EQUIPT. ROD HANGER **18**


23/TS-5
SLOPING HIP OR VALLEY BEAM - SEE PLAN
STL. TS BELOW WHERE OCCURS
WHERE BEAM OCCURS
STL. BM.
SIM. 15/TS-5

PLAN SECTION **13**


CUT. VENEER REQUIRED 8A/TS-3 TYP.
0.148×¾" LONG DOME HEAD HIGH-VELOCITY POWER DRIVEN PIN.
6"
SLOPING ∠6×4×3/8
OMIT
14 GA.×2"∟2"×0'-3" LONG BENT PL. @ 32" O.C.

SLOPING VENEER ANGLE SUPPORT **9**

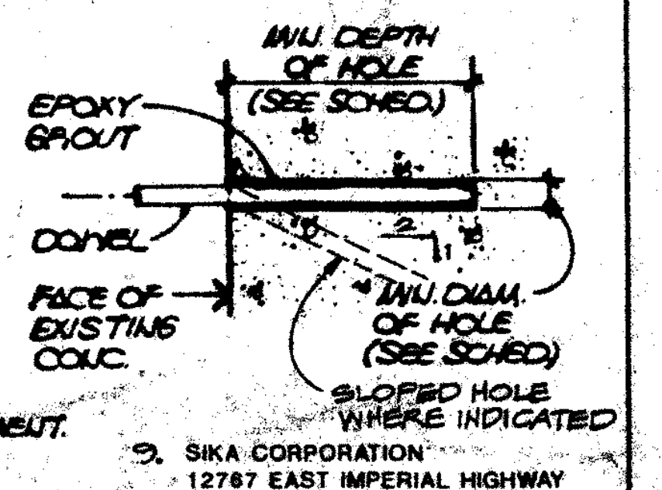

16'-0" MAX. o.c. FOR ALL WALLS EXCEPT WHERE NOTED OTHERWISE ON ARCH. DETAILS OR ELEVATIONS
24 GA. GALV. FORMED DIVISION STRIP
#5 VERT. EA. SIDE OF JOINT & DOWELED INTO FOOTING
CONC. BLK. WALL
STACKED CONTROL JOINT-TYP.
POLYSULFIDE CAULKING WITH URETHANE FOAM BACKING (EACH FACE). CAULKING COLOR SHALL MATCH MORTAR BEING USED FOR ADJACENT WALL.
ALL HORIZ. WALL REINF. & ADDED REINF. SHOWN ON SECTIONS OR STRUCT. WALL ELEVATIONS SHALL BE CONTINUOUS THRU CONTROL JOINT.

NOTE:
FOR CONTROL JOINT AT FREE STANDING YARD WALL - SEE 11/TS-3

PLAN- CONC. BLOCK CONTROL JOINT **2**

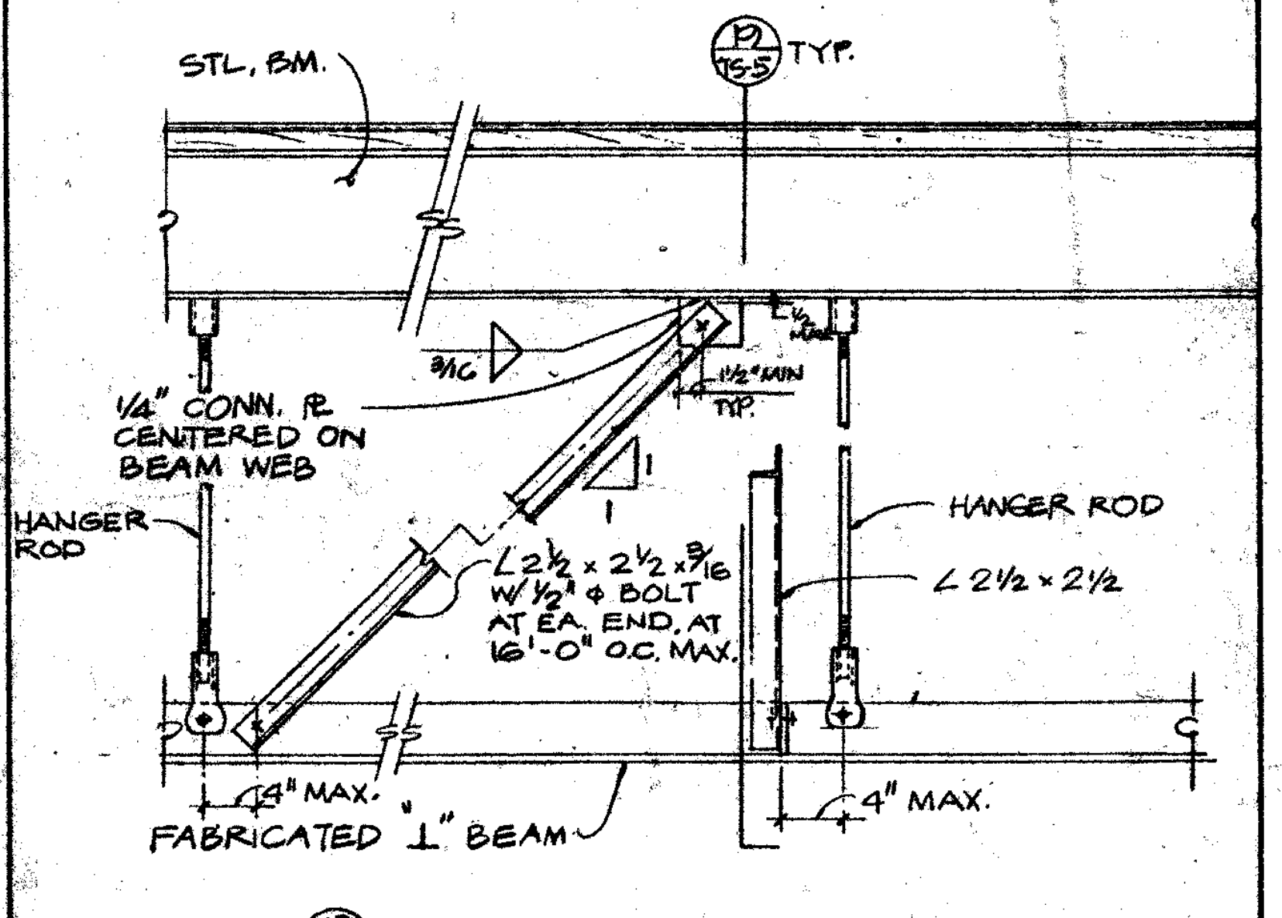
PROCEDURE:

1. DRILL HOLE OF PROPER DIAMETER AND DEPTH USING A CARBIDE TIPPED DRILL OR CORING BIT. AVOID ANY EXISTING REINFORCING STEEL BY RELOCATING HOLE SLIGHTLY.
2. CLEAN HOLE THOROUGHLY BY VACUUM OR AIR PRESSURE.
3. MAKE SURE THAT HOLE IS DRY AND CLEAN BEFORE GROUTING.
4. PLACE EPOXY GROUT IN HOLE WITH CAULKING GUN OR SIMILAR EQUIPMENT. STARTING AT BOTTOM, FILL HOLE APPROX. 2/3 FULL.
5. COAT DOWEL WITH SAME EPOXY GROUT AND INSERT INTO HOLE, FORCING MATERIAL AROUND THE SIDES OF THE BAR AND COMPLETELY FILLING ALL VOIDS.
6. PROVIDE SUPPORT FOR DOWEL BY TYING TO REBAR OR OTHER ELEMENT UNTIL GROUT HAS CURED.
7. EPOXY GROUT SHALL BE "SIKADUR" 31 HI/MOD GEL AS MANUFACTURED BY SIKA CHEMICAL CORPORATION. MIX AND APPLY IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS.
8. "SIKADUR" 32 HI/MOD GEL MAY BE USED FOR SETTING VERTICAL DOWELS.
9. SIKA CORPORATION
12767 EAST IMPERIAL HIGHWAY
SANTA FE SPRINGS, CA. 90670
TELEPHONE 800-222-SIKA


MIN. DEPTH OF HOLE (SEE SCHED.)
EPOXY GROUT
DOWEL
FACE OF EXISTING CONC.
MIN. DIAM. OF HOLE (SEE SCHED.)
SLOPED HOLE WHERE INDICATED

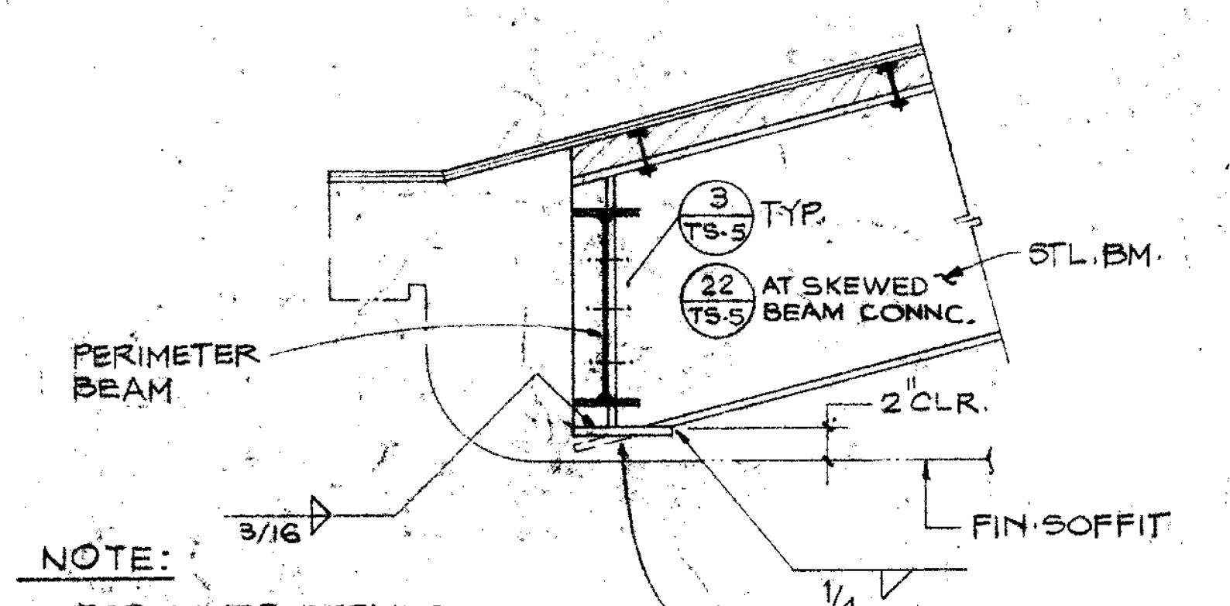
BAR SIZE	MIN. DIAM.	MIN. DEPTH
#4	7/8"	6"
#5	1"	8"
#6	1⅛"	10"
#7	1¼"	15"
#8	1⅜"	20"
#9	1½"	21"
#10	1⅝"	28"

TYPICAL EPOXY GROUT DETAIL **22**


STL. BM.
19/TS-5 TYP.
3/16
1½" MIN TYP.
¼" CONN. PL. CENTERED ON BEAM WEB
HANGER ROD
∠2½×2½×3/16 W/½"Φ BOLT AT EA. END, AT 16'-0" O.C. MAX.
HANGER ROD
∠2½×2½
4" MAX.
FABRICATED "⊥" BEAM
4" MAX.

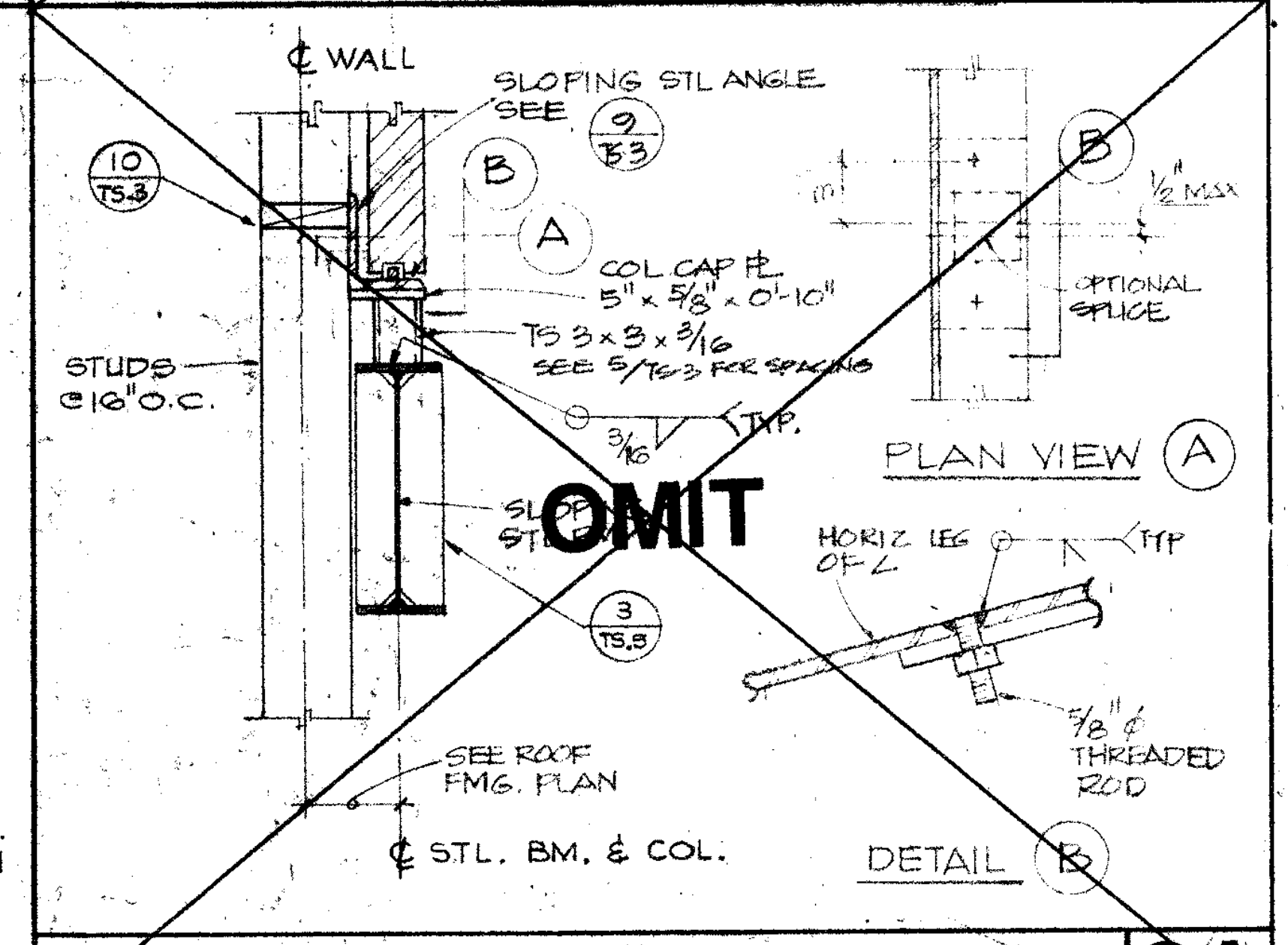
SEE 19/TS-5 FOR OTHER DETAILS

TYP. MOVABLE PARTITION LATERAL BRACE **17**

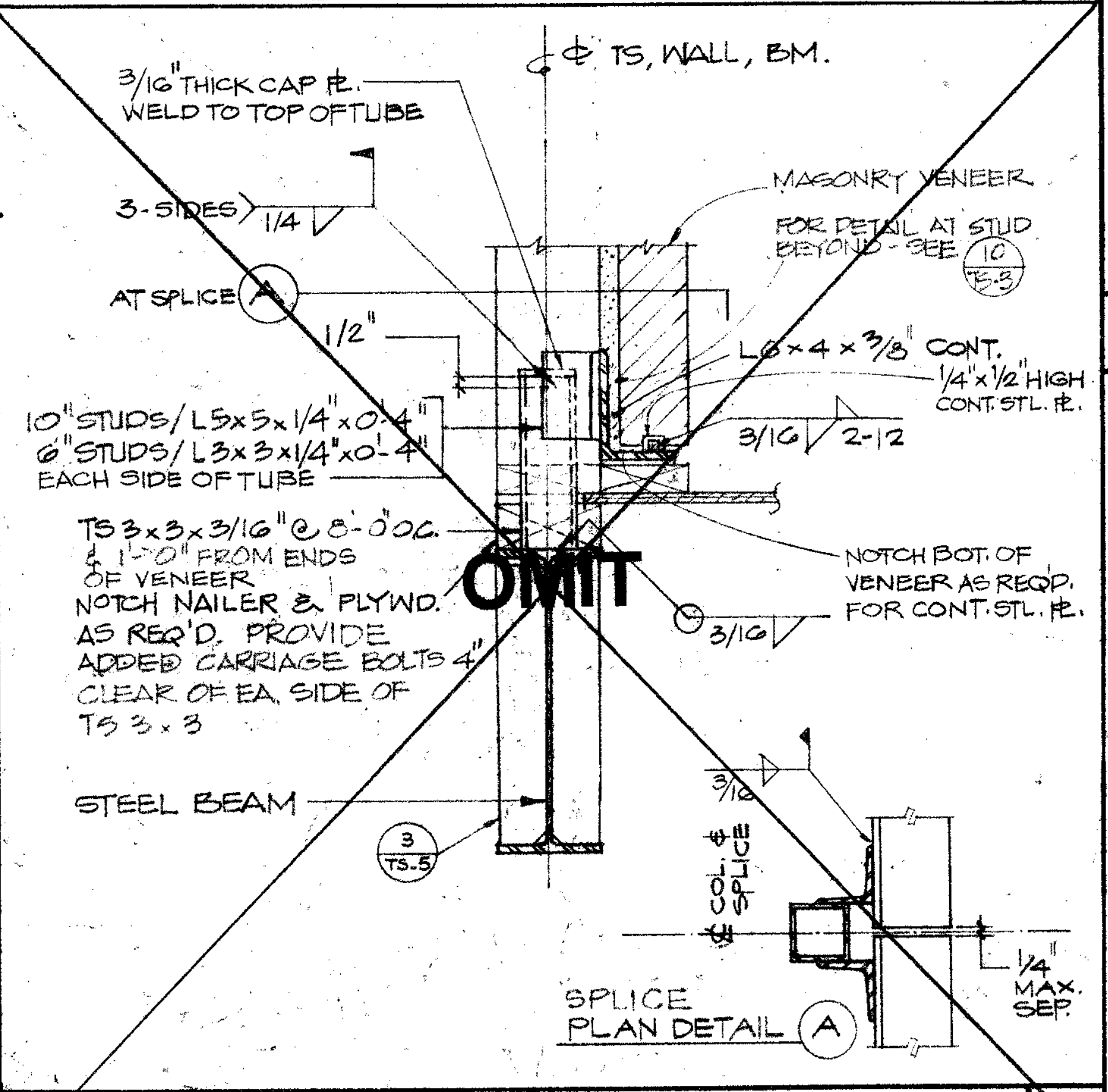

3/TS-5 TYP.
22/TS-5 AT SKEWED BEAM CONNC.
STL. BM.
PERIMETER BEAM
2" CLR.
3/16
FIN. SOFFIT
1/4
CUT BOTTOM FLANGE OF STEEL BEAM TO FIT ABOVE SOFFIT ASSEMBLY. WELD STL. PL. SAME WIDTH AND THICKNESS AS BEAM FLANGE AS SHOWN.

NOTE:
FOR OTHER DETAILS - SEE 9/TS-8 & 10/TS-8

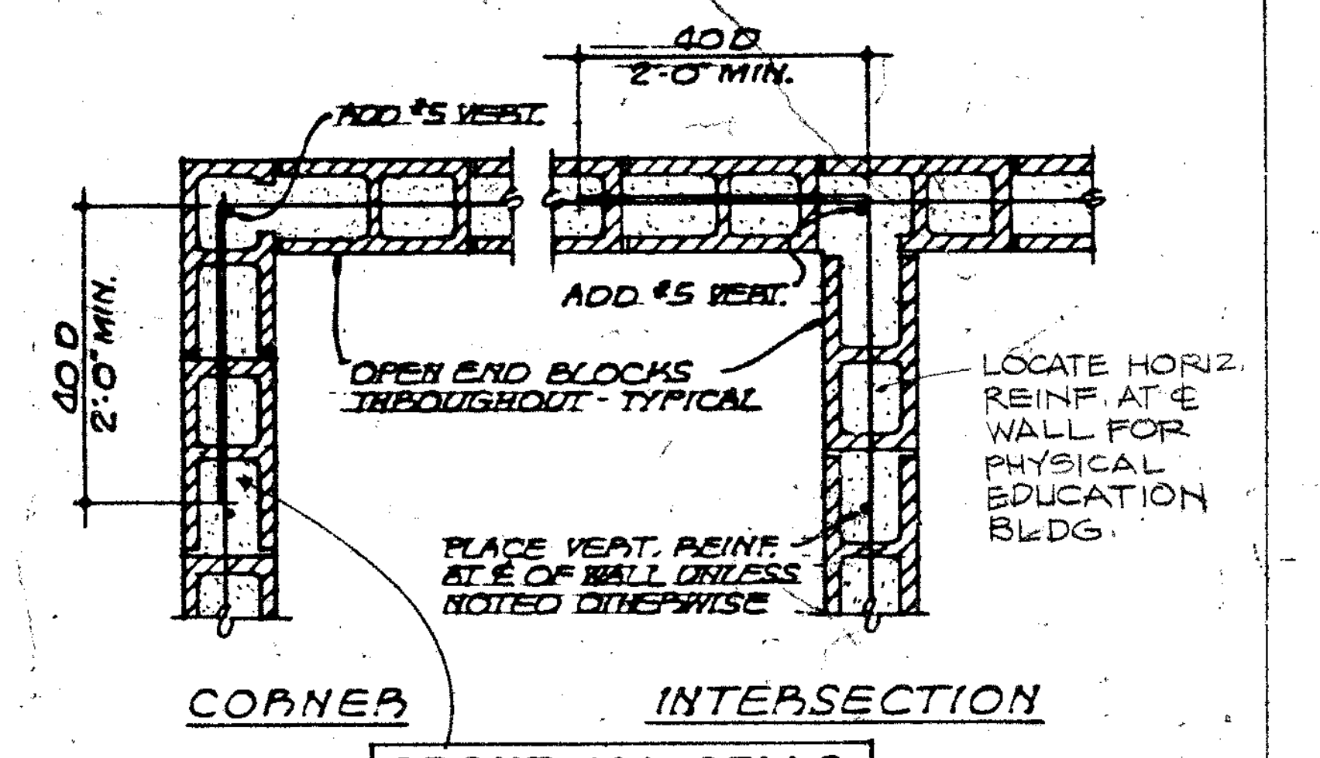
SECTION **12**


℄ WALL
SLOPING STL ANGLE SEE 9/TS-3
10/TS-3
B
A
COL CAP PL. 5"×5/8"×0'-10"
TS 3×3×3/16 SEE 5/TS-3 FOR SPACING
STUDS @ 16" O.C.
3/16 TYP.
OMIT
3/TS-5
SEE ROOF FMG. PLAN
℄ STL. BM. & COL.
B
½" MAX
OPTIONAL SPLICE
PLAN VIEW A
HORIZ. LEG OF ∠
TYP
5/8"Φ THREADED ROD
DETAIL B

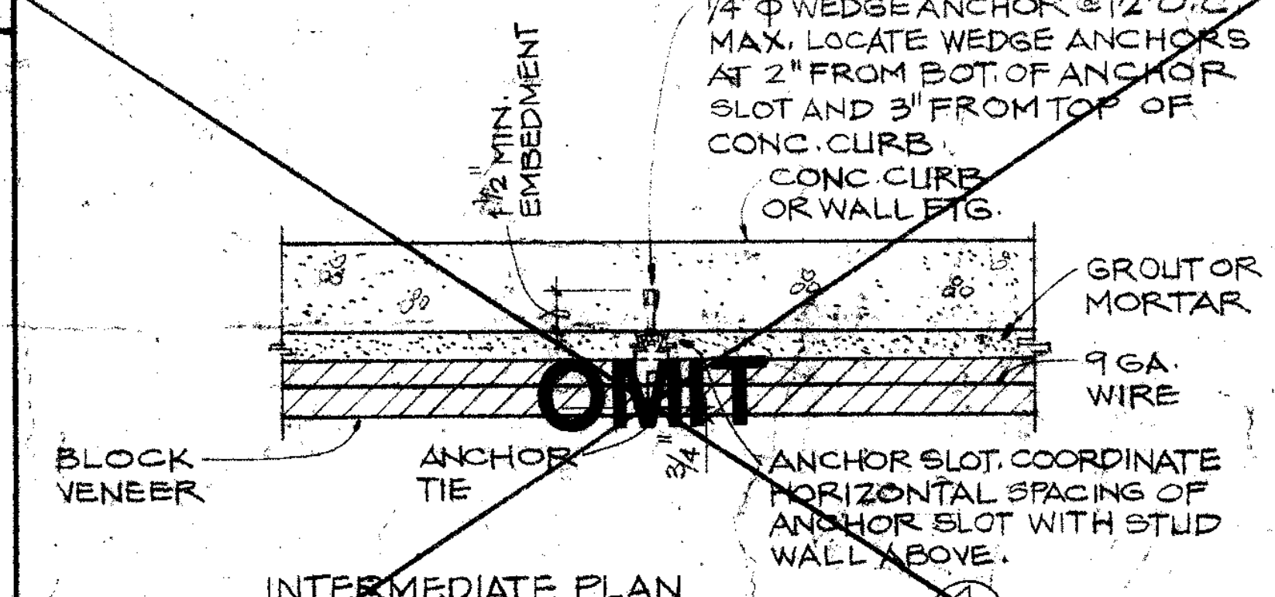
DETAIL **8A**


℄ TS, WALL, BM.
3/16" THICK CAP PL. WELD TO TOP OF TUBE
3-SIDES 1/4
AT SPLICE A
1/2"
MASONRY VENEER
FOR DETAIL AT STUD BEYOND - SEE 10/TS-3
L6×4×3/8" CONT.
¼"×½" HIGH CONT. STL. PL.
3/16 2-12
10" STUDS/L5×5×1/4"×0'-4"
6" STUDS/L3×3×1/4"×0'-4"
EACH SIDE OF TUBE
TS 3×3×3/16" @ 8'-0" OC. & 1'-0" FROM ENDS OF VENEER
NOTCH NAILER & PLYWD. AS REQ'D. PROVIDE ADDED CARRIAGE BOLTS 4" CLEAR OF EA. SIDE OF TS 3×3
OMIT
NOTCH BOT. OF VENEER AS REQD. FOR CONT. STL. PL.
3/16
STEEL BEAM
3/TS-5
3/16
℄ COL. ℄ SPLICE
¼" MAX. SEP.
SPLICE PLAN DETAIL A

VENEER ANGLE SUPPORT **5**


40D 2'-0" MIN.
ADD #5 VERT.
ADD #5 VERT.
40D 2'-0" MIN.
OPEN END BLOCKS THROUGHOUT - TYPICAL
LOCATE HORIZ. REINF. AT ℄ WALL FOR PHYSICAL EDUCATION BLDG.
PLACE VERT. REINF. AT ℄ OF WALL UNLESS NOTED OTHERWISE
CORNER
INTERSECTION

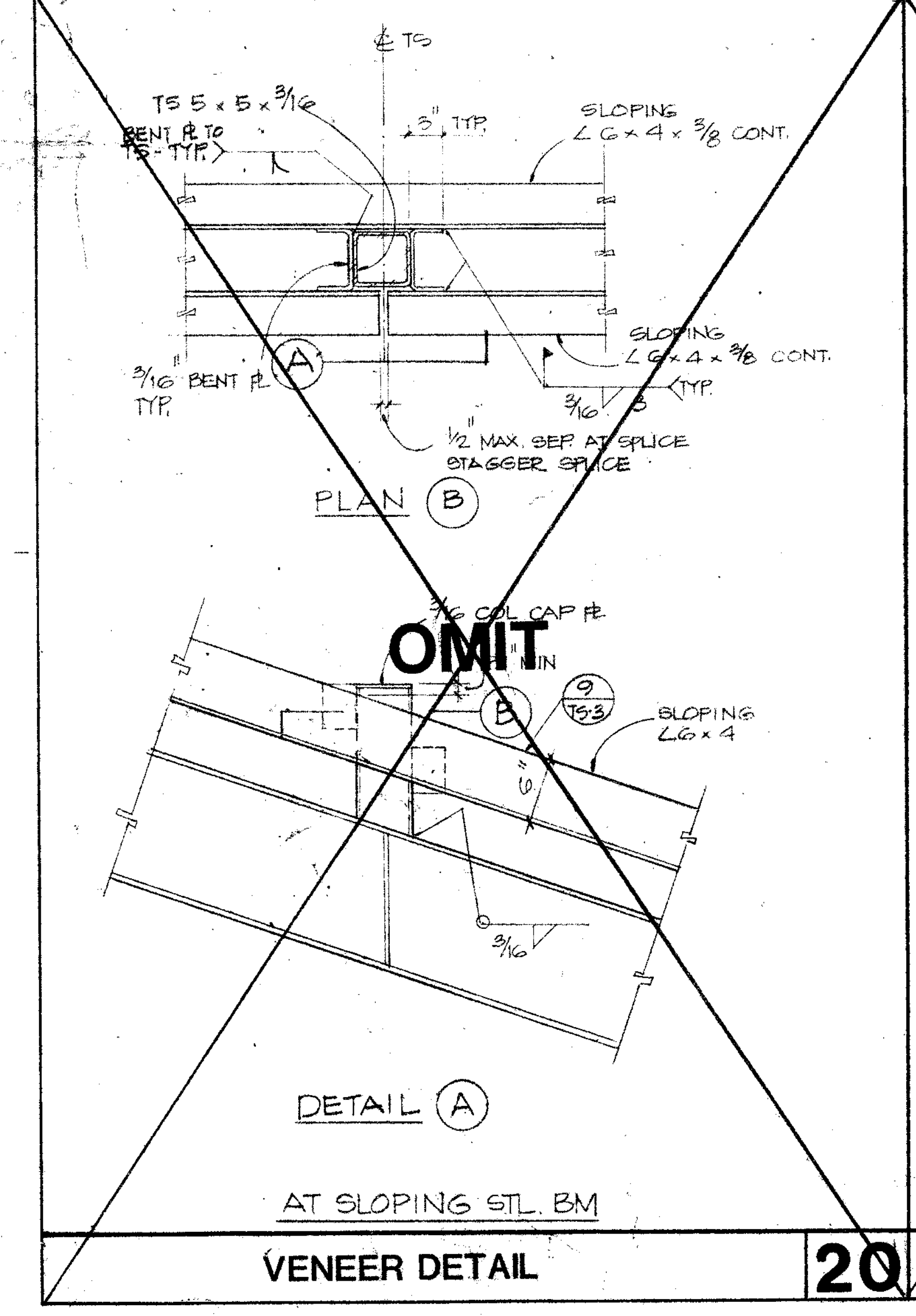
GROUT ALL CELLS


¼"Φ WEDGE ANCHOR @ 12" O.C. MAX. LOCATE WEDGE ANCHORS AT 2" FROM BOT. OF ANCHOR SLOT AND 3" FROM TOP OF CONC. CURB.
1½" MIN. EMBEDMENT
CONC. CURB OR WALL FTG.
GROUT OR MORTAR
9 GA. WIRE
BLOCK VENEER
ANCHOR TIE
OMIT
3/4"
ANCHOR SLOT. COORDINATE HORIZONTAL SPACING OF ANCHOR SLOT WITH STUD WALL ABOVE.
INTERMEDIATE PLAN

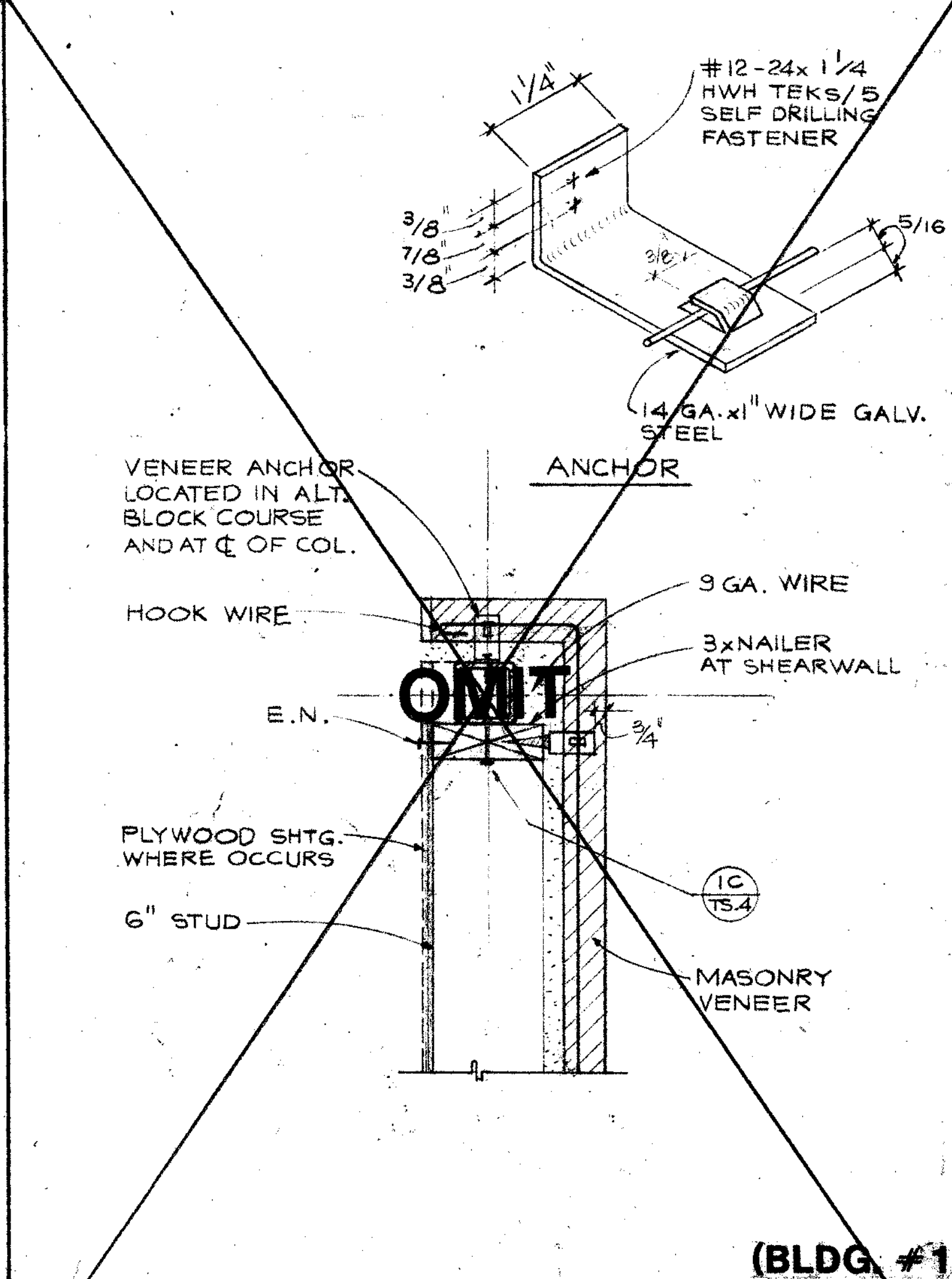
NOTE: SEE 4/TS-3 FOR OTHER DETAILS.

(AT CONC. WALL)

BLOCK VENEER DETAIL **8**

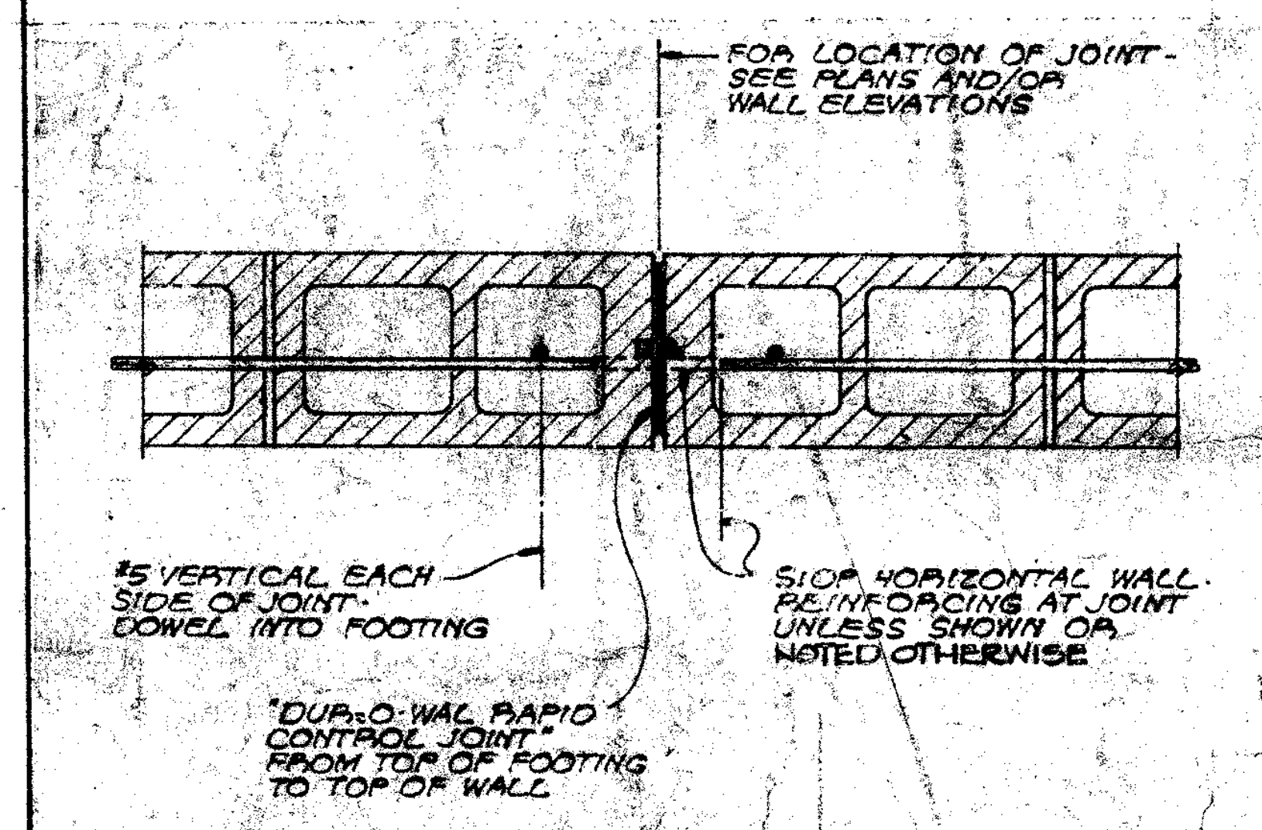

℄ TS
TS 5×5×3/16
BENT PL. TO TS - TYP.
3" TYP.
SLOPING ∠6×4×3/8 CONT.
SLOPING ∠6×4×3/8 CONT.
A
3/16" BENT PL. TYP.
3/16
TYP.
½" MAX. SEP. AT SPLICE STAGGER SPLICE
PLAN B
3/16 COL CAP PL.
OMIT
MIN
B
9/TS-3
SLOPING ∠6×4
6"
3/16
DETAIL A
AT SLOPING STL. BM

VENEER DETAIL **20**

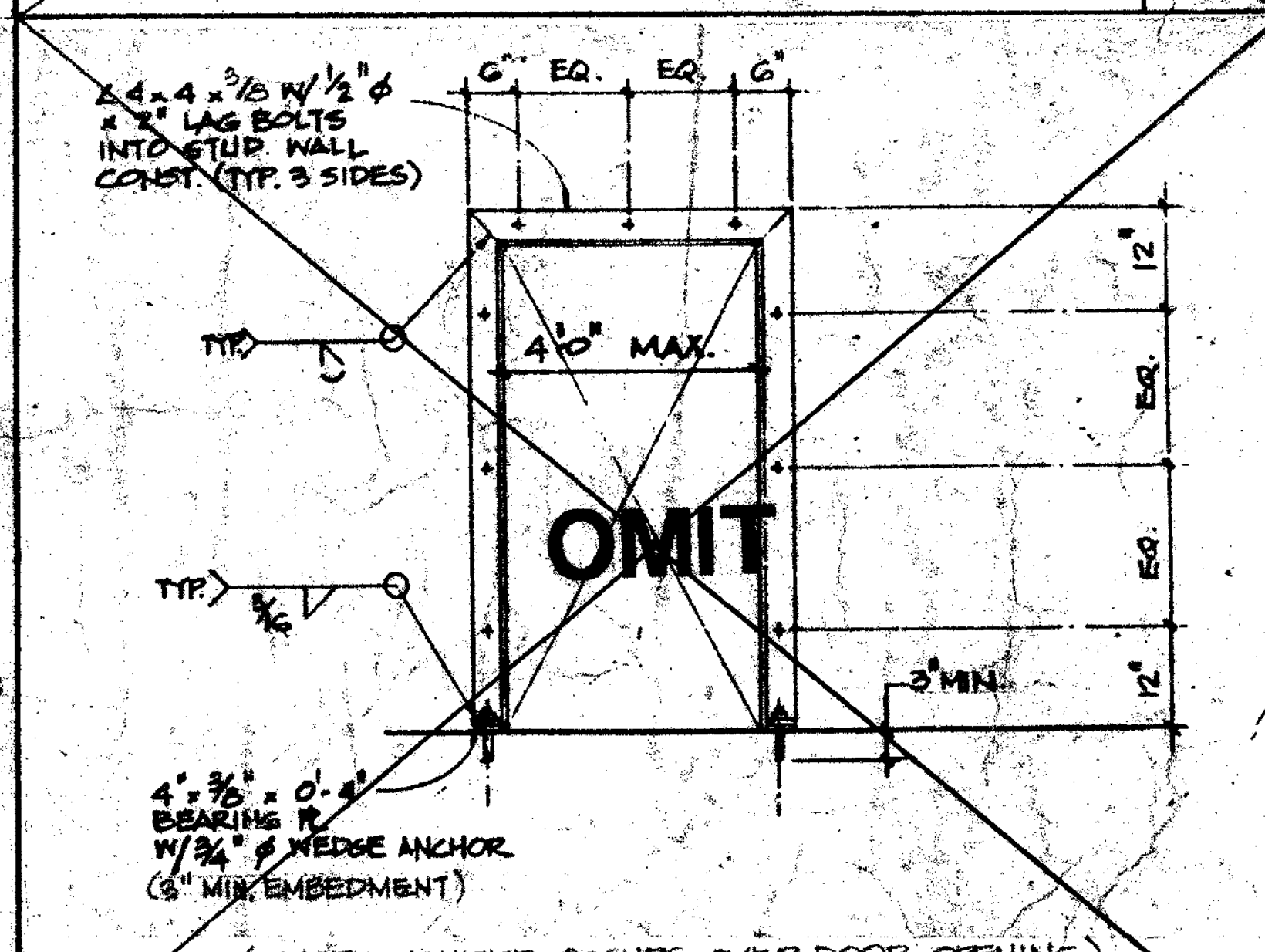

1¼"
#12-24×1¼ HWH TEKS/5 SELF DRILLING FASTENER
3/8"
7/8"
3/8"
5/16
3/8
14 GA.×1" WIDE GALV. STEEL
ANCHOR
VENEER ANCHOR LOCATED IN ALT. BLOCK COURSE AND AT ℄ OF COL.
9 GA. WIRE
HOOK WIRE
3×NAILER AT SHEARWALL
E.N.
OMIT
3/4"
PLYWOOD SHTG. WHERE OCCURS
1C/TS-4
6" STUD
MASONRY VENEER

(BLDG. #1)
(BLDG. #8)

VENEER DETAIL **15**

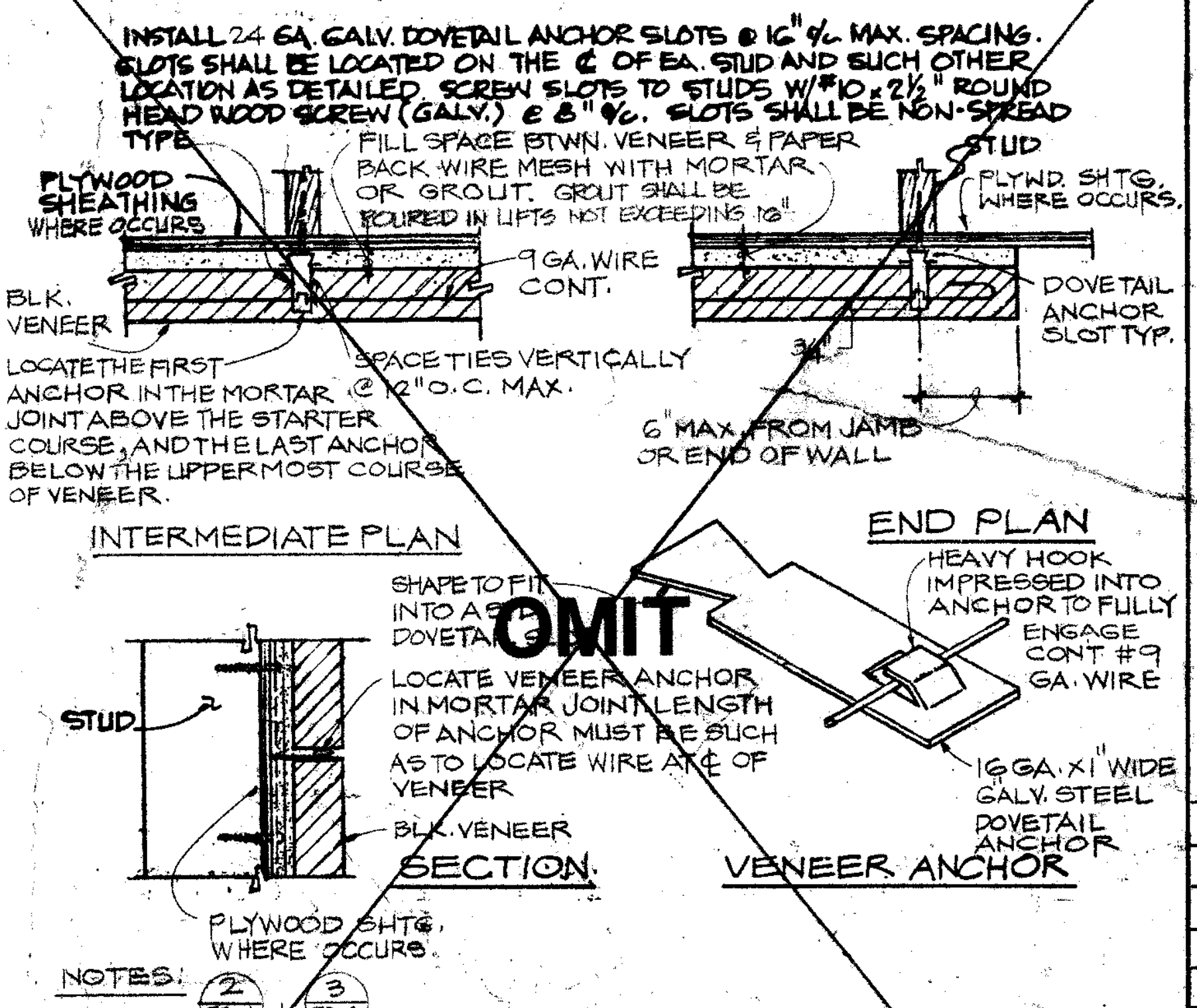

FOR LOCATION OF JOINT - SEE PLANS AND/OR WALL ELEVATIONS
#5 VERTICAL EACH SIDE OF JOINT. DOWEL INTO FOOTING
STOP HORIZONTAL WALL REINFORCING AT JOINT UNLESS SHOWN OR NOTED OTHERWISE
"DUR-O-WAL RAPID CONTROL JOINT" FROM TOP OF FOOTING TO TOP OF WALL

FREE STANDING BLK. WALL CONTROL JT. **11**


∠4×4×3/8 W/½"Φ ×2" LAG BOLTS INTO STUD WALL CONST. (TYP. 3 SIDES)
6" EQ. EQ. 6"
TYP.
4'-0" MAX.
12"
EQ.
EQ.
12"
TYP.
3/16
OMIT
3" MIN.
4"×3/8"×0'-4" BEARING PL. W/¾"Φ WEDGE ANCHOR (3" MIN. EMBEDMENT)

(WHERE VENEER OCCURS OVER DOOR OPENING)

VENEER SUPPORT AT OPENINGS **7**


INSTALL 24 GA. GALV. DOVETAIL ANCHOR SLOTS @ 16" o/c MAX. SPACING. SLOTS SHALL BE LOCATED ON THE ℄ OF EA. STUD AND SUCH OTHER LOCATION AS DETAILED. SCREW SLOTS TO STUDS W/#10×2½" ROUND HEAD WOOD SCREW (GALV.) @ 8" o/c. SLOTS SHALL BE NON-SPREAD TYPE.
FILL SPACE BTWN. VENEER & PAPER BACK WIRE MESH WITH MORTAR OR GROUT. GROUT SHALL BE POURED IN LIFTS NOT EXCEEDING 18"
STUD
PLYWOOD SHEATHING WHERE OCCURS
PLYWD. SHTG. WHERE OCCURS.
9 GA. WIRE CONT.
BLK. VENEER
DOVETAIL ANCHOR SLOT TYP.
LOCATE THE FIRST ANCHOR IN THE MORTAR JOINT ABOVE THE STARTER COURSE, AND THE LAST ANCHOR BELOW THE UPPERMOST COURSE OF VENEER.
SPACE TIES VERTICALLY @ 12" O.C. MAX.
3/4"
6" MAX. FROM JAMB OR END OF WALL
INTERMEDIATE PLAN
END PLAN
SHAPE TO FIT INTO A DOVETAIL
OMIT
HEAVY HOOK IMPRESSED INTO ANCHOR TO FULLY ENGAGE CONT. #9 GA. WIRE
STUD
LOCATE VENEER ANCHOR IN MORTAR JOINT. LENGTH OF ANCHOR MUST BE SUCH AS TO LOCATE WIRE AT ℄ OF VENEER
16 GA.×1" WIDE GALV. STEEL DOVETAIL ANCHOR
BLK. VENEER
SECTION
VENEER ANCHOR
PLYWOOD SHTG. WHERE OCCURS

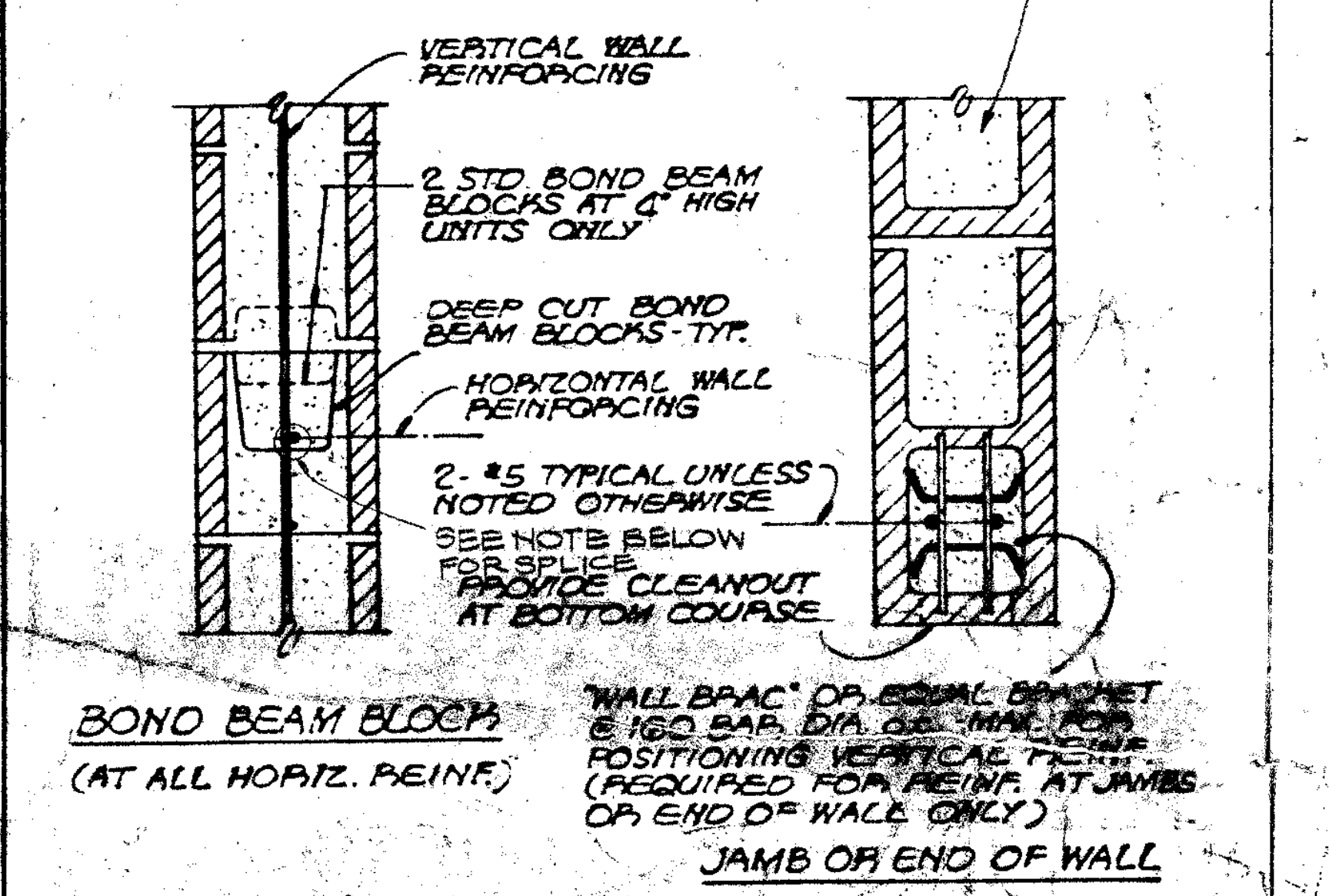
NOTES:

1. SEE 2/TS-4 & 3/TS-4 FOR PLYWOOD SHEAR PANEL ELEVATIONS.
2. SEE 6/TS-4 FOR PLYWOOD SHEAR PANEL SCHEDULE.
3. SEE FOUNDATION PLANS, SECTIONS AND DETAILS FOR SHEAR PANEL SCHEDULE DESIGNATION.
4. SEE 8/TS-3 FOR VENEER AT CONC. WALL.

(AT STUD WALL)

BLOCK VENEER DETAILS **4**

NOTES:
1. ALSO SEE TYPICAL DETAILS 2/TS3 & 3/TS3


VERTICAL WALL REINFORCING
2 STD. BOND BEAM BLOCKS AT 4" HIGH UNITS ONLY
DEEP CUT BOND BEAM BLOCKS - TYP.
HORIZONTAL WALL REINFORCING
2-#5 TYPICAL UNLESS NOTED OTHERWISE
SEE NOTE BELOW FOR SPLICE
PROVIDE CLEANOUT AT BOTTOM COURSE
BOND BEAM BLOCK
(AT ALL HORIZ. REINF.)
"WALL BRAC" OR EQUAL BRACKET @ 16Ø BAR DIA. OC MAX. FOR POSITIONING VERTICAL REINF. (REQUIRED FOR REINF. AT JAMBS OR END OF WALL ONLY)
JAMB OR END OF WALL

SCHEDULED REINF. SHALL APPLY IN ALL CASES UNLESS NOTED OTHERWISE ON SPECIFIC DETAILS OR SECTIONS

TYPICAL WALL REINFORCING SCHEDULE U.N.O.

WALL THICKNESS	VERT. REINF.	HORIZ. REINF.	REMARKS
8"	#5 @ 24" o/c	#6 @ 16" o/c AT ℄ WALL	

NOTE:
PROVIDE 5'-0" MIN. LAP AT ALL HORIZ. REINFORCING SPLICES AT PHYSICAL EDUCATION BUILDING NO. 1.

CONCRETE BLOCK DETAILS **1**

Drawn By MN
Checked By SRU
Date MAR. 1988
Commission No. 1-30-05

Revisions
B/D JANUARY 1991

Brandow & Johnston Assoc.
Structural Engineers
Mamoru E. Kanda

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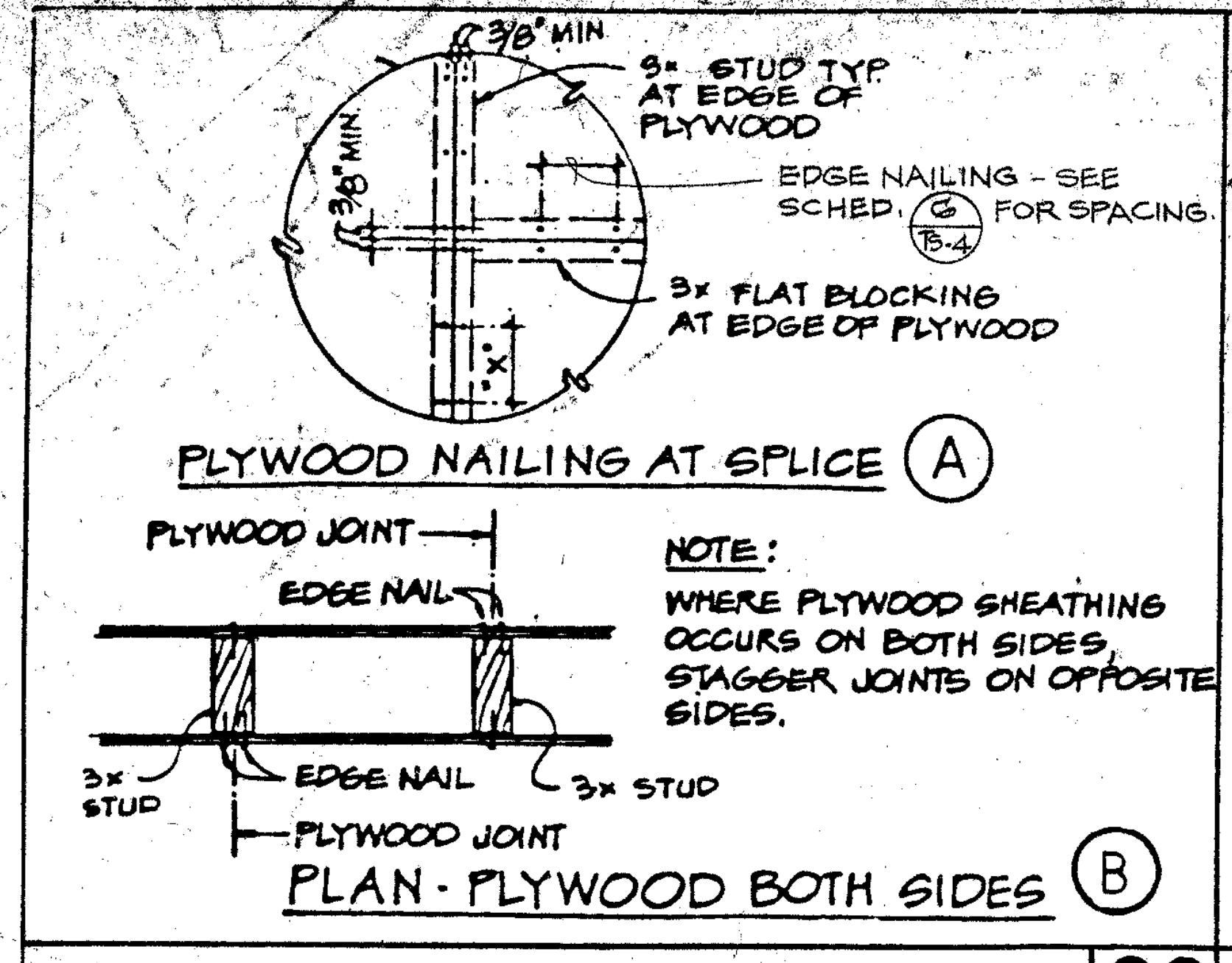
ARCHITECT
C20862

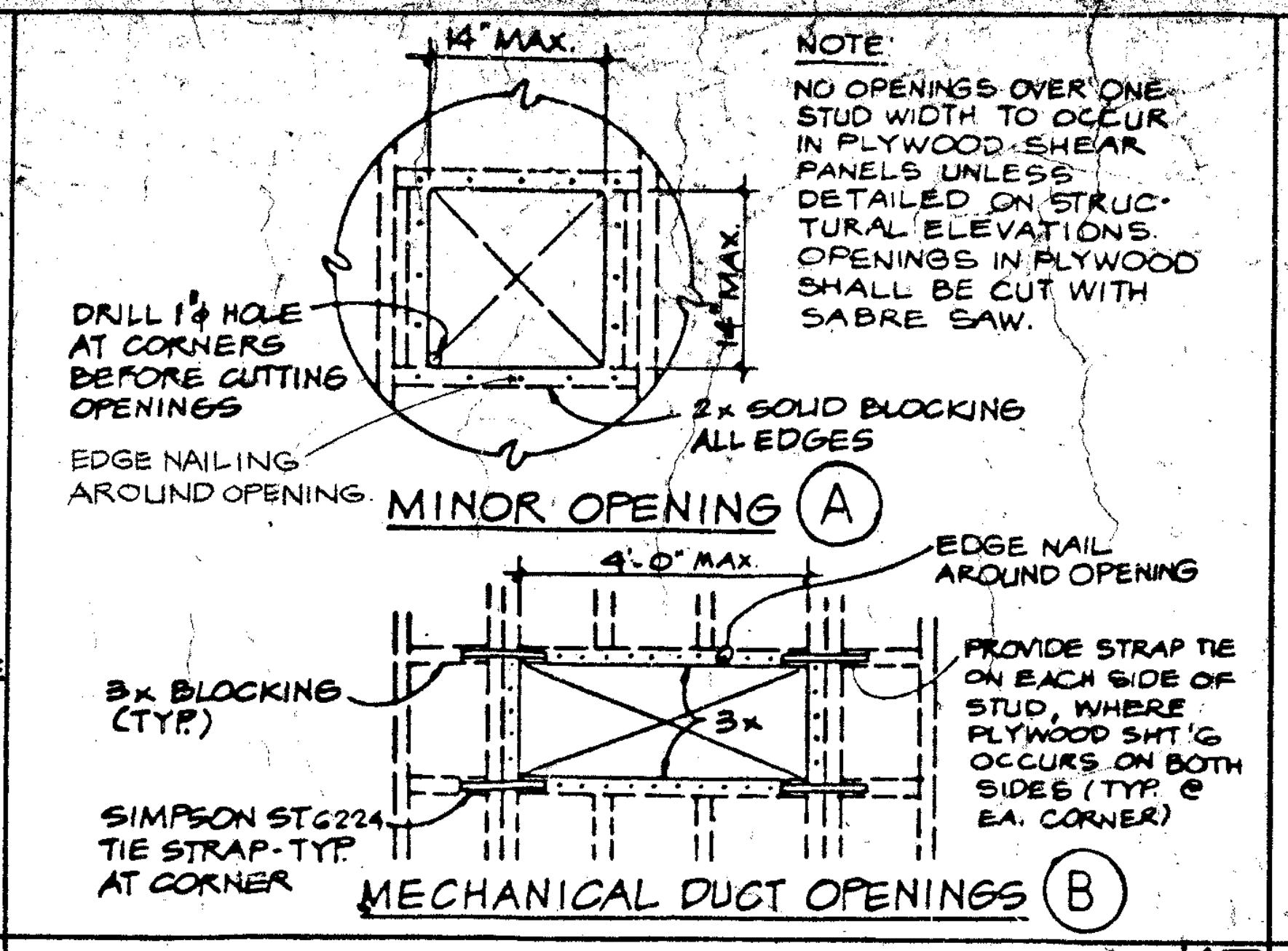
West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

TYPICAL MASONRY AND STEEL DETAILS

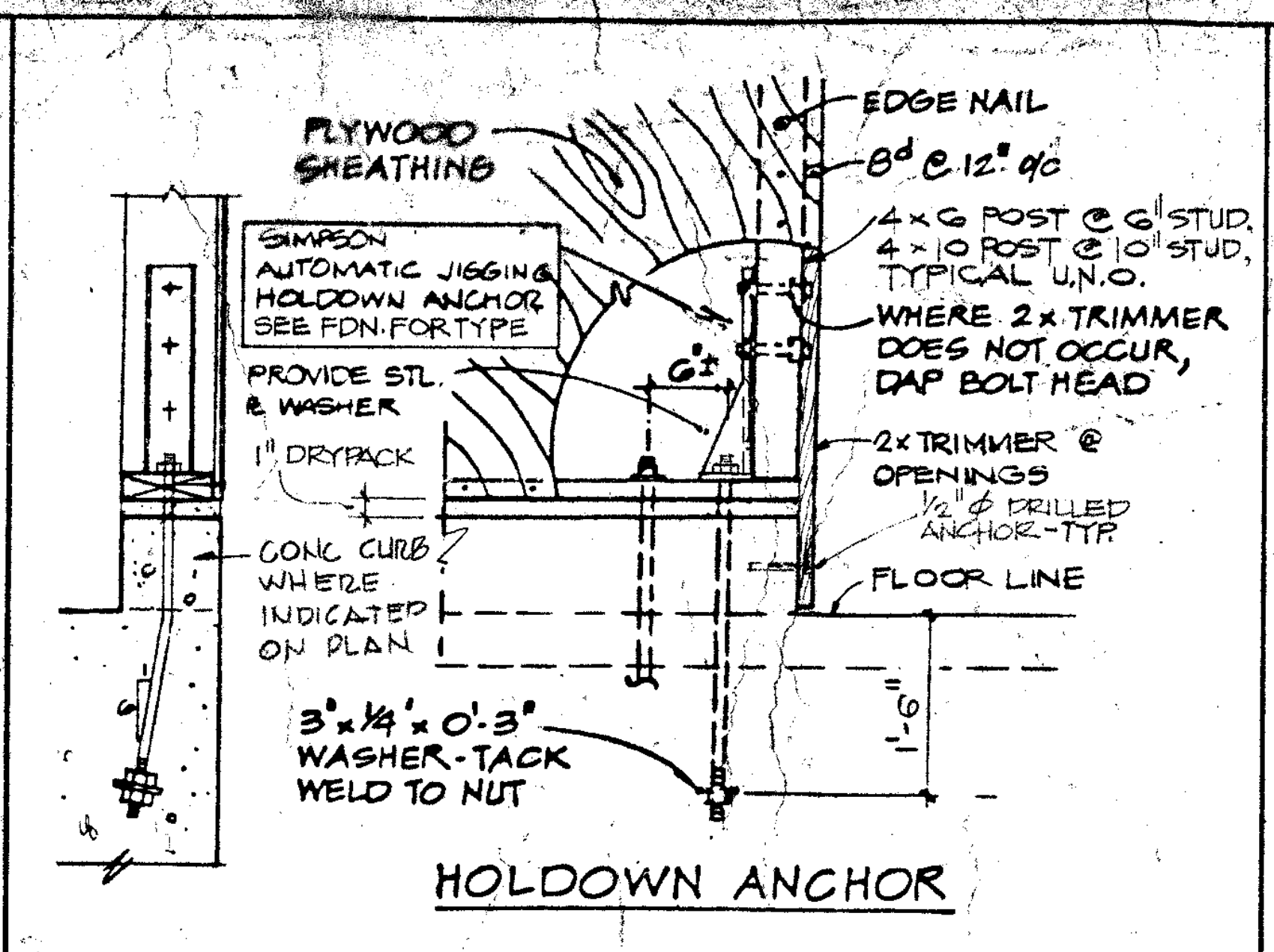
Sheet Number
TS-3
Sheets


3/8" MIN
3x STUD TYP AT EDGE OF PLYWOOD
EDGE NAILING - SEE SCHED. 6/TS-4 FOR SPACING
3x FLAT BLOCKING AT EDGE OF PLYWOOD
PLYWOOD NAILING AT SPLICE (A)
PLYWOOD JOINT
EDGE NAIL
NOTE: WHERE PLYWOOD SHEATHING OCCURS ON BOTH SIDES, STAGGER JOINTS ON OPPOSITE SIDES.
3x STUD
EDGE NAIL
3x STUD
PLYWOOD JOINT
PLAN - PLYWOOD BOTH SIDES (B)

DETAIL 20


14" MAX.
14" MAX.
NOTE: NO OPENINGS OVER ONE STUD WIDTH TO OCCUR IN PLYWOOD SHEAR PANELS UNLESS DETAILED ON STRUCTURAL ELEVATIONS. OPENINGS IN PLYWOOD SHALL BE CUT WITH SABRE SAW.
DRILL 1/4" HOLE AT CORNERS BEFORE CUTTING OPENINGS
2x SOLID BLOCKING ALL EDGES
EDGE NAILING AROUND OPENING
MINOR OPENING (A)
4'-0" MAX
EDGE NAIL AROUND OPENING
3x BLOCKING (TYP.)
PROVIDE STRAP TIE ON EACH SIDE OF STUD, WHERE PLYWOOD SHT'G OCCURS ON BOTH SIDES (TYP. @ EA. CORNER)
SIMPSON ST2224 TIE STRAP-TYP. AT CORNER
MECHANICAL DUCT OPENINGS (B)

OPENING IN PLYWOOD SHEATHING 17

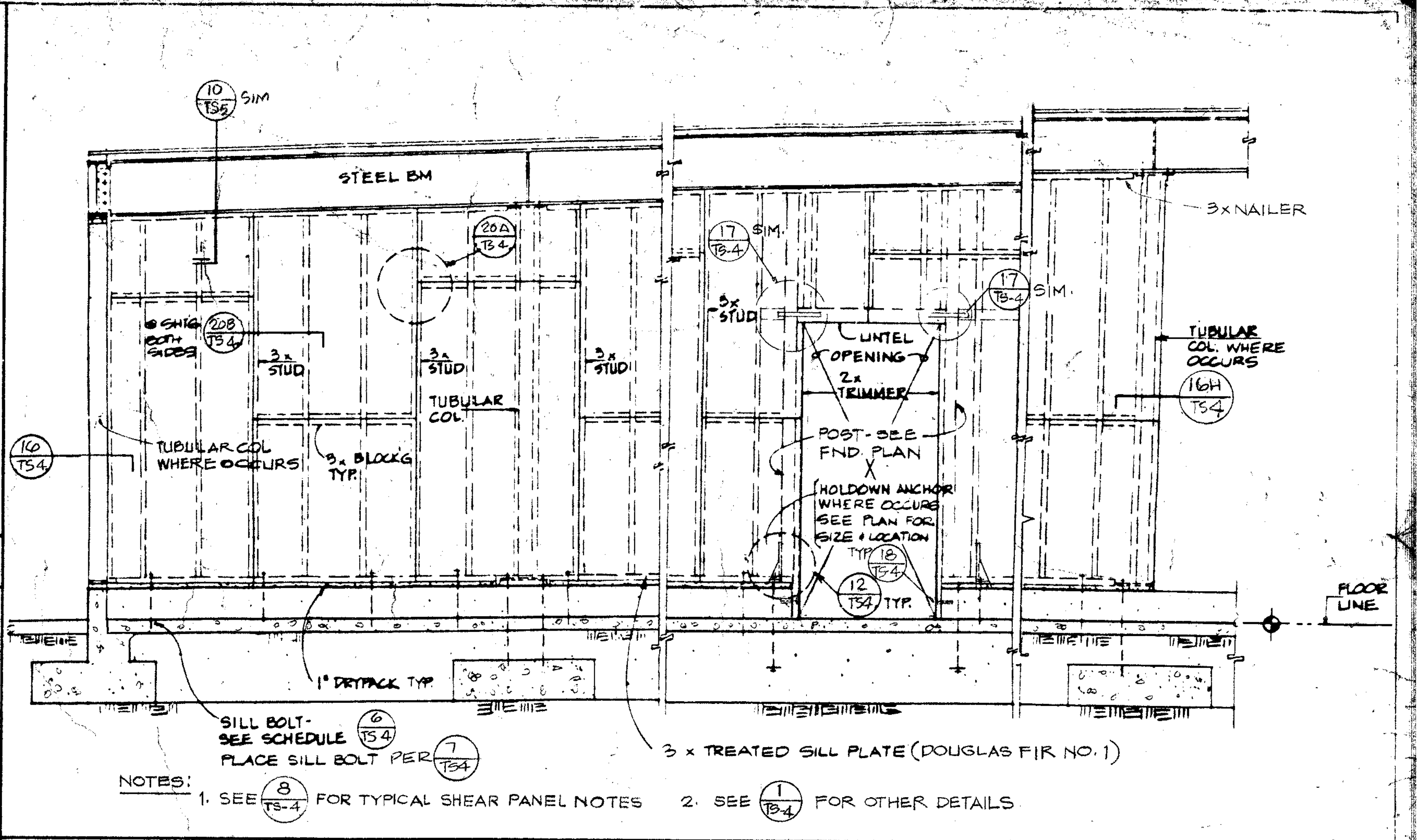

PLYWOOD SHEATHING
EDGE NAIL
8d @ 12" o/c
4x6 POST @ 6" STUD, 4x10 POST @ 10" STUD, TYPICAL U.N.O.
SIMPSON AUTOMATIC JIGGING HOLDOWN ANCHOR SEE FDN. FOR TYPE
WHERE 2x TRIMMER DOES NOT OCCUR, DAP BOLT HEAD
PROVIDE STL. & WASHER
2x TRIMMER @ OPENINGS
1" DRYPACK
1/2" Ø DRILLED ANCHOR-TYP.
CONC. CURB WHERE INDICATED ON PLAN
FLOOR LINE
3"x1/4"x0'-3" WASHER-TACK WELD TO NUT
HOLDOWN ANCHOR

HOLDOWN ANCHOR DETAIL 12

NOTES:

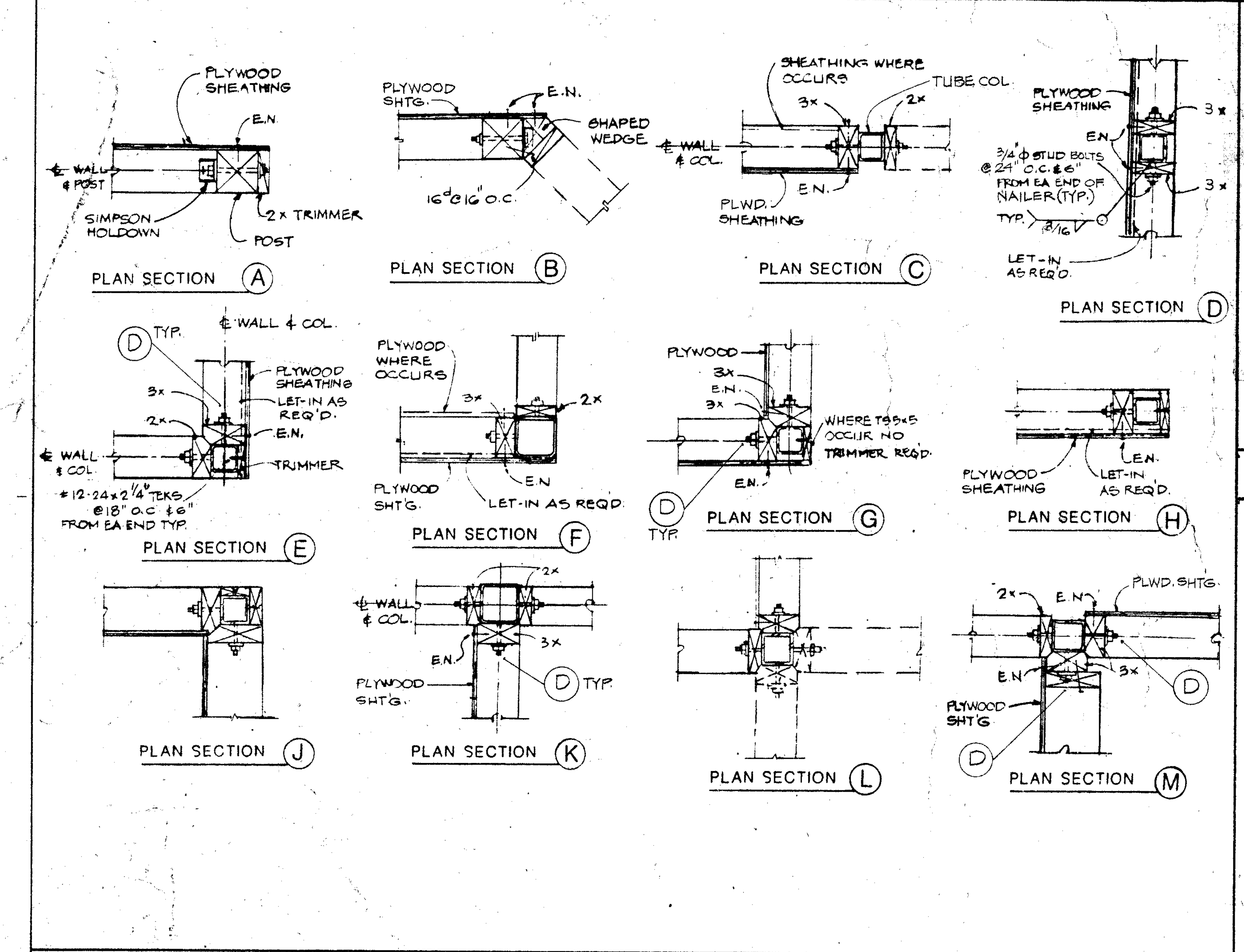
1. PLYWOOD SHALL BE 3/8" THICK AND CONFORM TO U.S. PRODUCT STANDARD PS 1-83 APA STRUCTURAL 1 EXPOSURE 1.
2. ALL NAILS SHALL BE COMMON WIRE NAILS. FOR NAILING - SEE SCHEDULE 6/TS-4.
3. INDIVIDUAL PIECES OF PLYWOOD SHALL BE NOT LESS THAN 2'-0" IN LEAST DIMENSION NOR 8 SQ. FT. IN AREA.
4. PRE-BORE HOLES FOR NAILS WHERE MEMBERS TEND TO SPLIT.
5. REFER DET. 6/TS-1 NOTE 6 FOR MACHINE APPLIED NAILING REQUIREMENTS.
6. RETIGHTEN SILL BOLT NUTS BEFORE CLOSING IN.
7. PROVIDE FURRING OR BACKING OF THICKNESS AS REQUIRED TO MAINTAIN A COMMON WALL PLANE AT ALL WOOD STUD WALL SURFACE WHICH ARE ONLY PARTIALLY SHEATHED WITH STRUCTURAL PLYWOOD. COORDINATE AND ADJUST HEAD, JAMB AND SILL DETAILS AS REQUIRED FOR PROPER OVERALL WALL THICKNESS.
8. PLYWOOD SHEETS MAY BE APPLIED VERTICALLY OR HORIZONTALLY AT CONTRACTORS OPTION.

NOTES 8


10/TS4 SIM
STEEL BM
3x NAILER
20A/TS4
17/TS4 SIM.
17/TS4 SIM.
6 SHTG. BOTH SIDES
3x STUD
3x STUD
3x STUD
TUBULAR COL
LINTEL OPENING
2x TRIMMER
TUBULAR COL. WHERE OCCURS
16/TS4
16/TS4
TUBULAR COL. WHERE OCCURS
3x BLOCKG TYP.
POST - SEE FND. PLAN
HOLDOWN ANCHOR WHERE OCCURS SEE PLAN FOR SIZE & LOCATION
12/TS4 TYP.
FLOOR LINE
1" DRYPACK TYP.
SILL BOLT - SEE SCHEDULE 6/TS4 PLACE SILL BOLT PER 7/TS4
3x TREATED SILL PLATE (DOUGLAS FIR NO. 1)

NOTES: 1. SEE 8/TS4 FOR TYPICAL SHEAR PANEL NOTES 2. SEE 1/TS4 FOR OTHER DETAILS

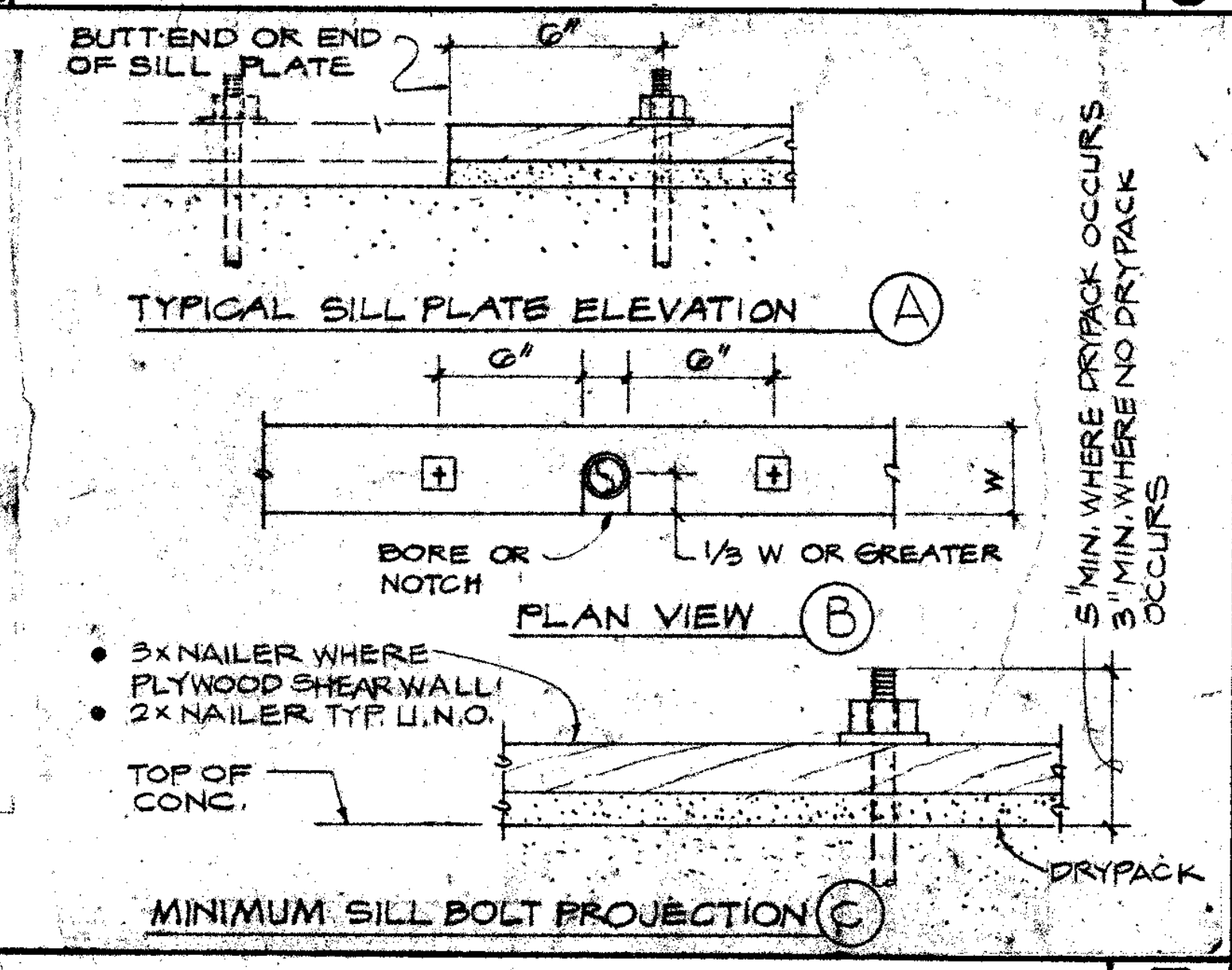
EXTERIOR PLYWOOD SHEAR PANEL ELEVATION 3


PLYWOOD SHEATHING
E.N.
WALL & POST
2x TRIMMER
SIMPSON HOLDOWN
POST
PLAN SECTION (A)
PLYWOOD SHTG.
E.N.
SHAPED WEDGE
WALL & COL.
16d @ 6" O.C.
PLAN SECTION (B)
SHEATHING WHERE OCCURS
TUBE COL.
3x
2x
PLWD. SHEATHING
E.N.
PLAN SECTION (C)
PLYWOOD SHEATHING
3x
3/4" Ø STUD BOLTS @ 24" O.C. & 6" FROM EA END OF NAILER (TYP.)
TYP.
LET-IN AS REQ'D.
PLAN SECTION (D)
(D) TYP.
WALL & COL.
3x
2x
PLYWOOD SHEATHING
LET-IN AS REQ'D.
E.N.
TRIMMER
WALL & COL.
#12-24x2 1/4 TEKS @ 18" O.C. & 6" FROM EA END TYP.
PLAN SECTION (E)
PLYWOOD WHERE OCCURS
3x
2x
PLYWOOD SHT'G.
E.N.
LET-IN AS REQ'D.
PLAN SECTION (F)
PLYWOOD
3x
E.N.
3x
WHERE TS5x5 OCCUR NO TRIMMER REQ'D.
(D) TYP.
E.N.
PLAN SECTION (G)
L.E.N.
PLYWOOD SHEATHING
LET-IN AS REQ'D.
PLAN SECTION (H)
PLAN SECTION (J)
WALL & COL.
2x
E.N.
3x
PLYWOOD SHT'G.
(D) TYP.
PLAN SECTION (K)
PLAN SECTION (L)
2x
E.N.
PLWD. SHTG.
3x
E.N.
(D)
PLYWOOD SHT'G
(D)
PLAN SECTION (M)

SHEAR PANEL PLAN DETAILS 16

SILL BOLT REQUIREMENTS

1. PROVIDE A MINIMUM SILL BOLT EMBEDMENT OF 7" BELOW FINISH FLOOR OR TOP OF CURB.
2. PROVIDE AN ADDITIONAL SILL BOLT 6 INCHES FROM EACH END OF EACH PIECE OF SILL PLATE.
3. WHERE SILL PLATES ARE BORED OR NOTCHED IN EXCESS OF 1/3 OF THE SILL PLATE WIDTH, PROVIDE ADDITIONAL SILL BOLTS 6 INCHES EACH SIDE OF BORE OR NOTCH.
4. SET ALL SILL BOLTS WITH A SETTING TEMPLATE BEFORE PLACING CONCRETE. STABBING OR PUSHING OF SILL BOLTS INTO WET CONCRETE IS EXPRESSLY PROHIBITED.
5. PROVIDE A MINIMUM SILL BOLT PROJECTION ABOVE THE CONCRETE AS SHOWN ON DETAIL 7C/TS-4


BUTT END OR END OF SILL PLATE
6"
TYPICAL SILL PLATE ELEVATION (A)
6"
6"
BORE OR NOTCH
1/3 W OR GREATER
W
PLAN VIEW (B)
3 MIN. WHERE DRYPACK OCCURS
5 MIN. WHERE NO DRYPACK OCCURS
3x NAILER WHERE PLYWOOD SHEAR WALL
2x NAILER TYP. U.N.O.
TOP OF CONC.
DRYPACK
MINIMUM SILL BOLT PROJECTION (C)

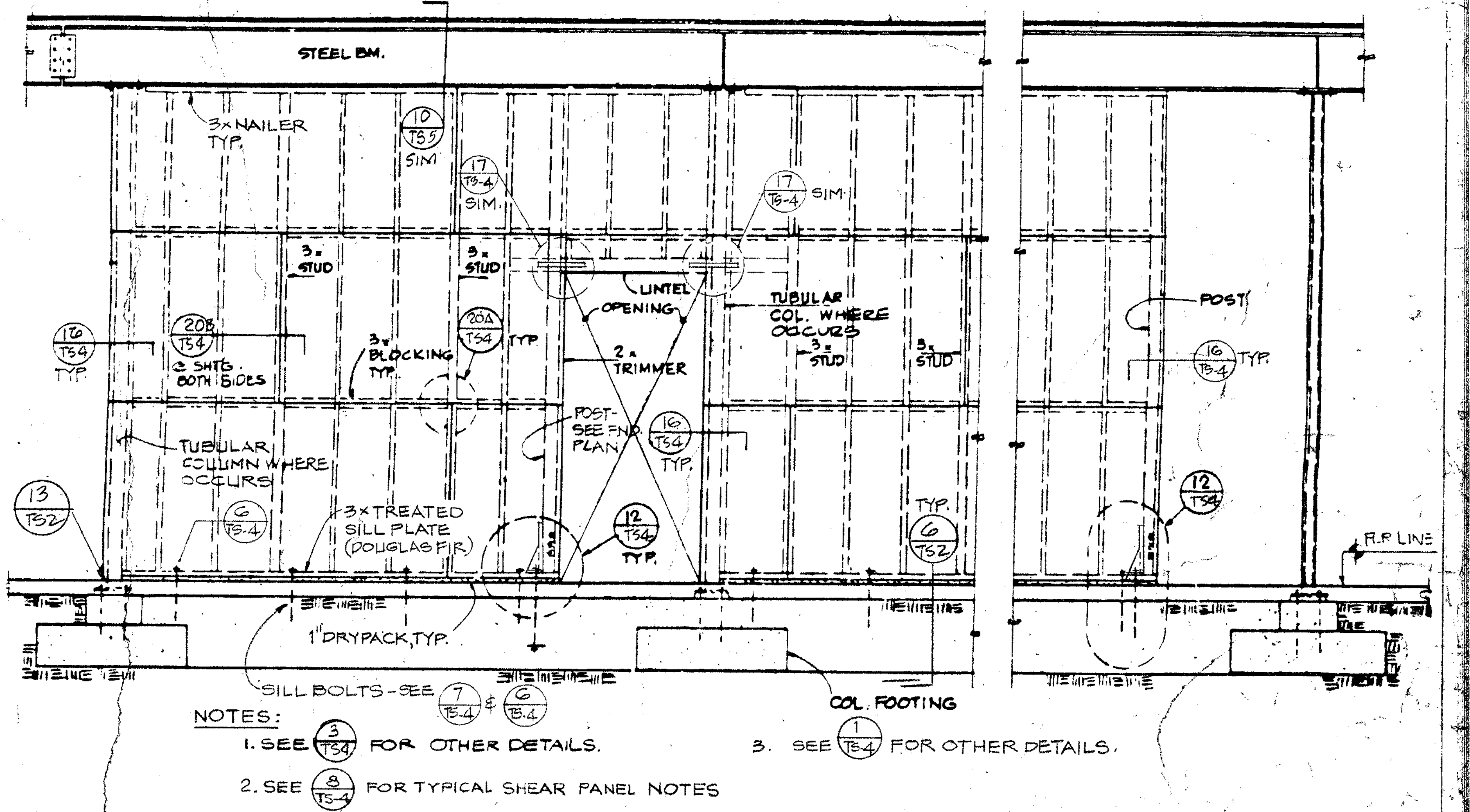
SILL BOLT REQUIREMENTS 7

SCHEDULE

PANEL MARK	PLYWOOD THICKNESS	* NAILING PANEL EDGES		FIELD	SHEATHING	FOUNDATION SILL BOLTS	CARRIAGE BOLTS @ STEEL BM.		REMARKS
1	3/8"	8d @ 4" o/c		8d @ 12" o/c	1-SIDE	3/4" Ø @ 36" o/c	5/8" Ø @ 12"		
2	3/8"	8d @ 3" o/c		8d @ 12" o/c	1-SIDE	3/4" Ø @ 24" o/c	5/8" Ø @ 10"		
3	3/8"	8d @ 3" o/c		8d @ 12" o/c	2-SIDES	3/4" Ø @ 16" o/c	5/8" Ø @ 4"		
4	3/8"	8d @ 2" o/c		8d @ 12" o/c	1-SIDE	3/4" Ø @ 24" o/c	5/8" Ø @ 8"		
5	3/8"	8d @ 2" o/c		8d @ 12" o/c	2-SIDES	3/4" Ø @ 12" o/c	5/8" Ø @ 4"		
6	3/8"	8d @ 2" o/c		8d @ 12" o/c	2-SIDES	3/4" Ø @ 12" o/c	5/8" Ø @ 4"		LET-IN BOTH SIDES

NOTE: SEE 8/TS-4 FOR NOTES & 2/TS-4 & 3/TS-4 FOR TYPICAL ELEVATIONS.

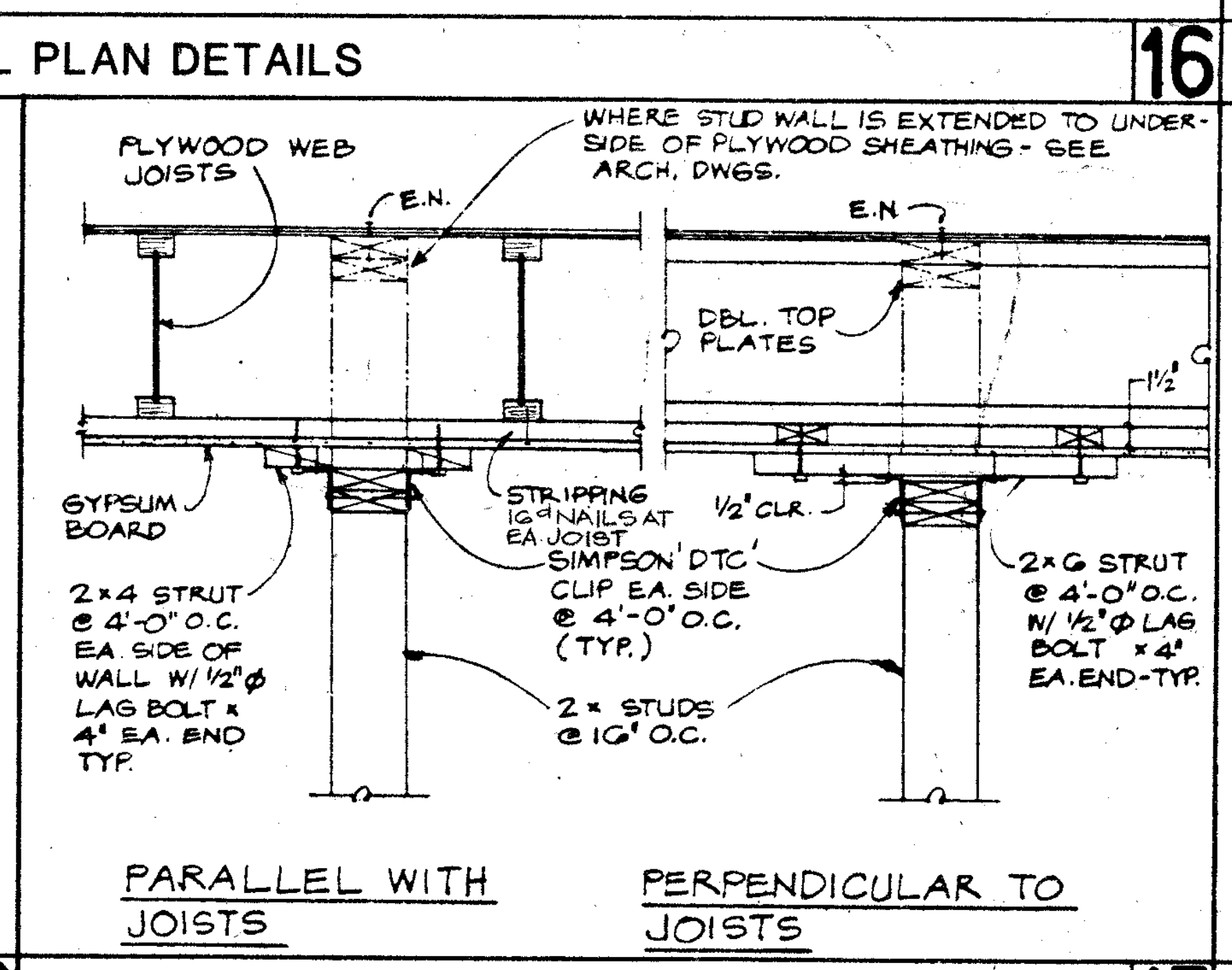
PLYWOOD SHEAR PANEL SCHEDULE 6


STEEL BM.
3x NAILER TYP.
10/TS4 SIM.
17/TS4 SIM.
17/TS4 SIM.
3x STUD
3x STUD
LINTEL OPENING
20B/TS4 3 SHTG. BOTH SIDES
3x BLOCKING TYP.
20A/TS4 TYP.
2x TRIMMER
TUBULAR COL. WHERE OCCURS
3x STUD
3x STUD
POST
16/TS4 TYP.
16/TS4 TYP.
POST - SEE FND. PLAN
16/TS4 TYP.
TUBULAR COLUMN WHERE OCCURS
3x TREATED SILL PLATE (DOUGLAS FIR)
13/TS2
12/TS4 TYP.
12/TS4
6/TS2 TYP.
6/TS4
F.F. LINE
1" DRYPACK, TYP.
SILL BOLTS - SEE 7/TS-4 & 6/TS-4
COL. FOOTING

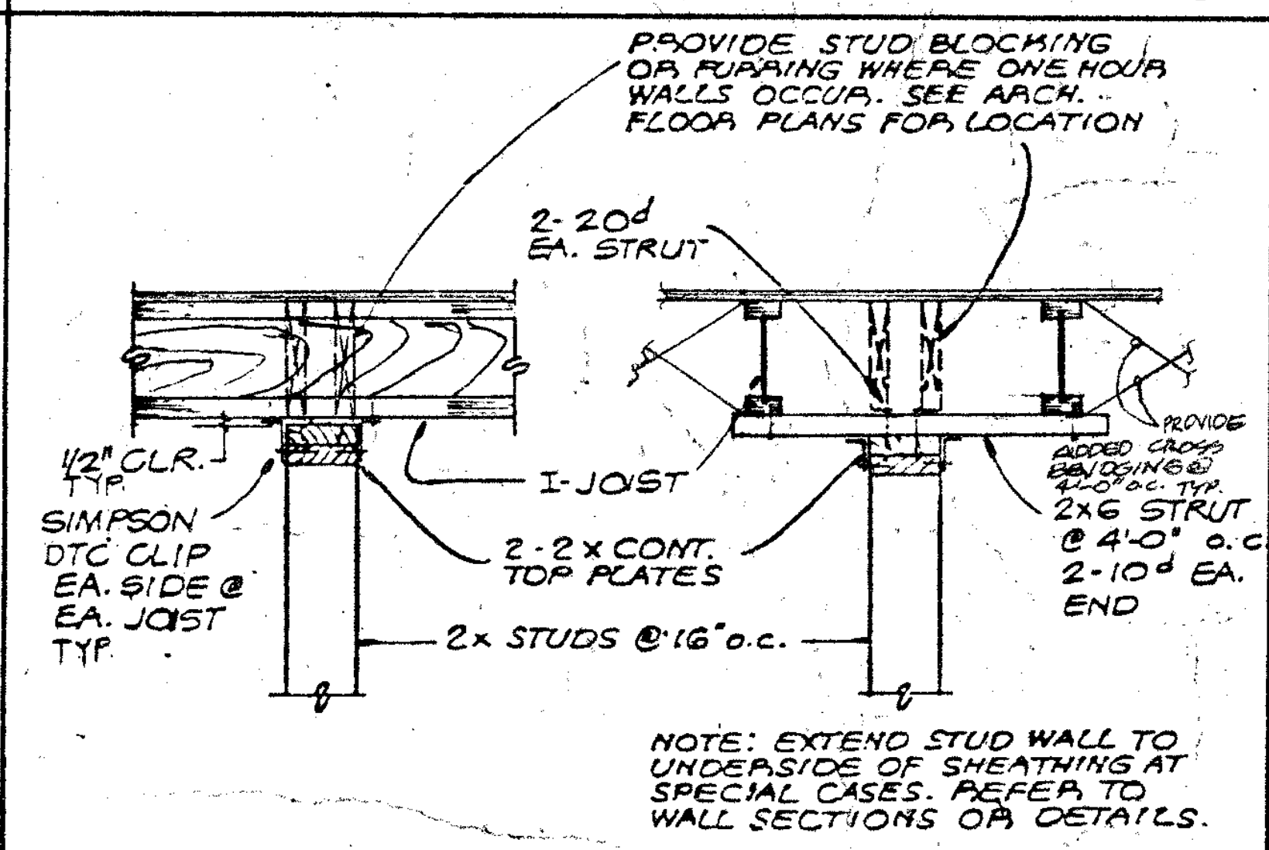
NOTES:
1. SEE 1/TS4 FOR OTHER DETAILS.
2. SEE 8/TS4 FOR TYPICAL SHEAR PANEL NOTES
3. SEE 1/TS4 FOR OTHER DETAILS.

INTERIOR PLYWOOD SHEAR PANEL ELEVATION 2

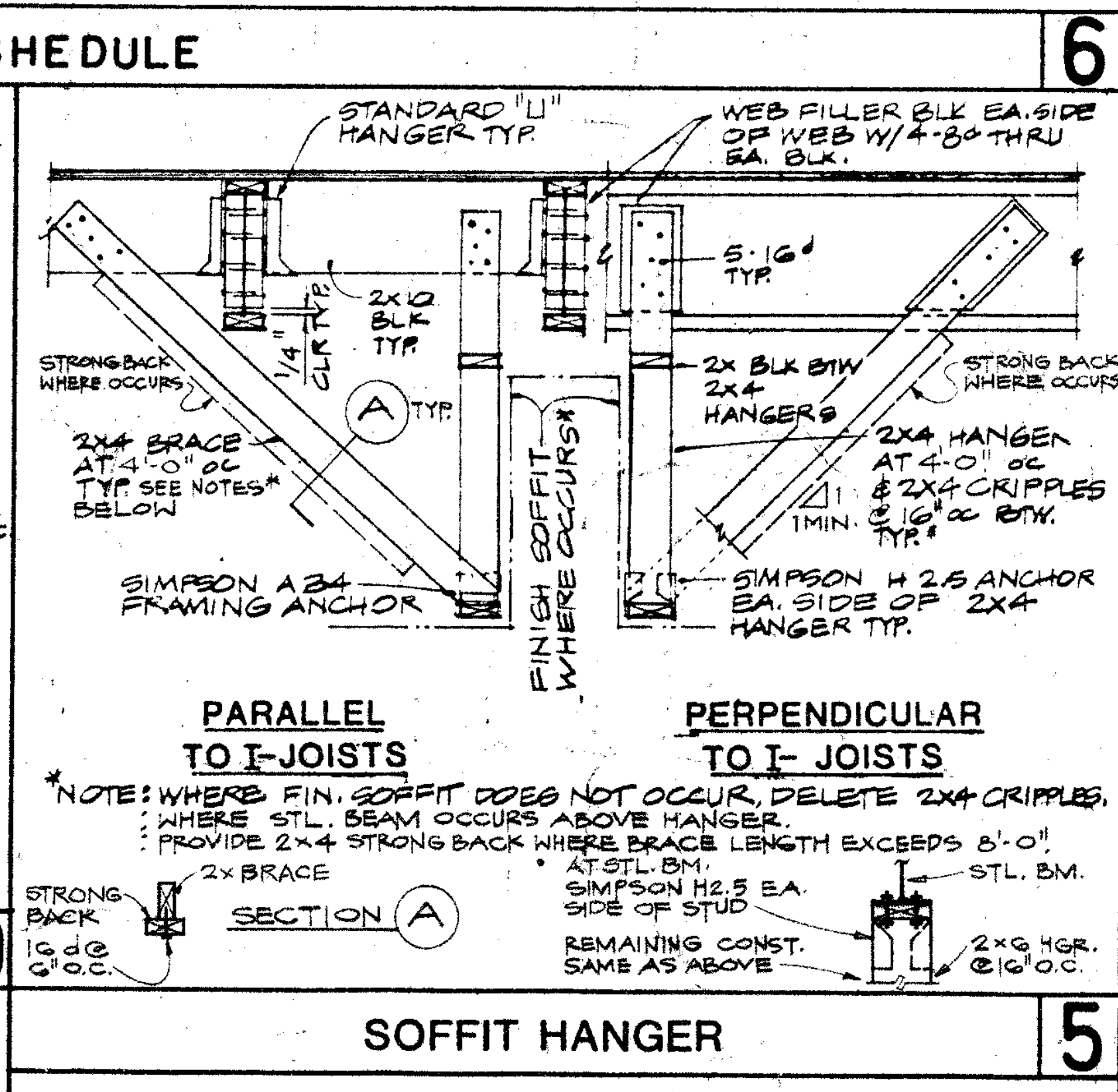
19


PLYWOOD WEB JOISTS
WHERE STUD WALL IS EXTENDED TO UNDERSIDE OF PLYWOOD SHEATHING - SEE ARCH. DWGS.
E.N.
E.N.
DBL. TOP PLATES
GYPSUM BOARD
STRIPPING 16d NAILS AT EA JOIST
SIMPSON DTC CLIP EA. SIDE @ 4'-0" O.C. (TYP.)
1/2" CLR.
2x4 STRUT @ 4'-0" O.C. EA SIDE OF WALL W/ 1/2" Ø LAG BOLT x 4" EA. END TYP.
2x G STRUT @ 4'-0" O.C. W/ 1/2" Ø LAG BOLT x 4" EA. END-TYP.
2x STUDS @ 16" O.C.
PARALLEL WITH JOISTS
PERPENDICULAR TO JOISTS

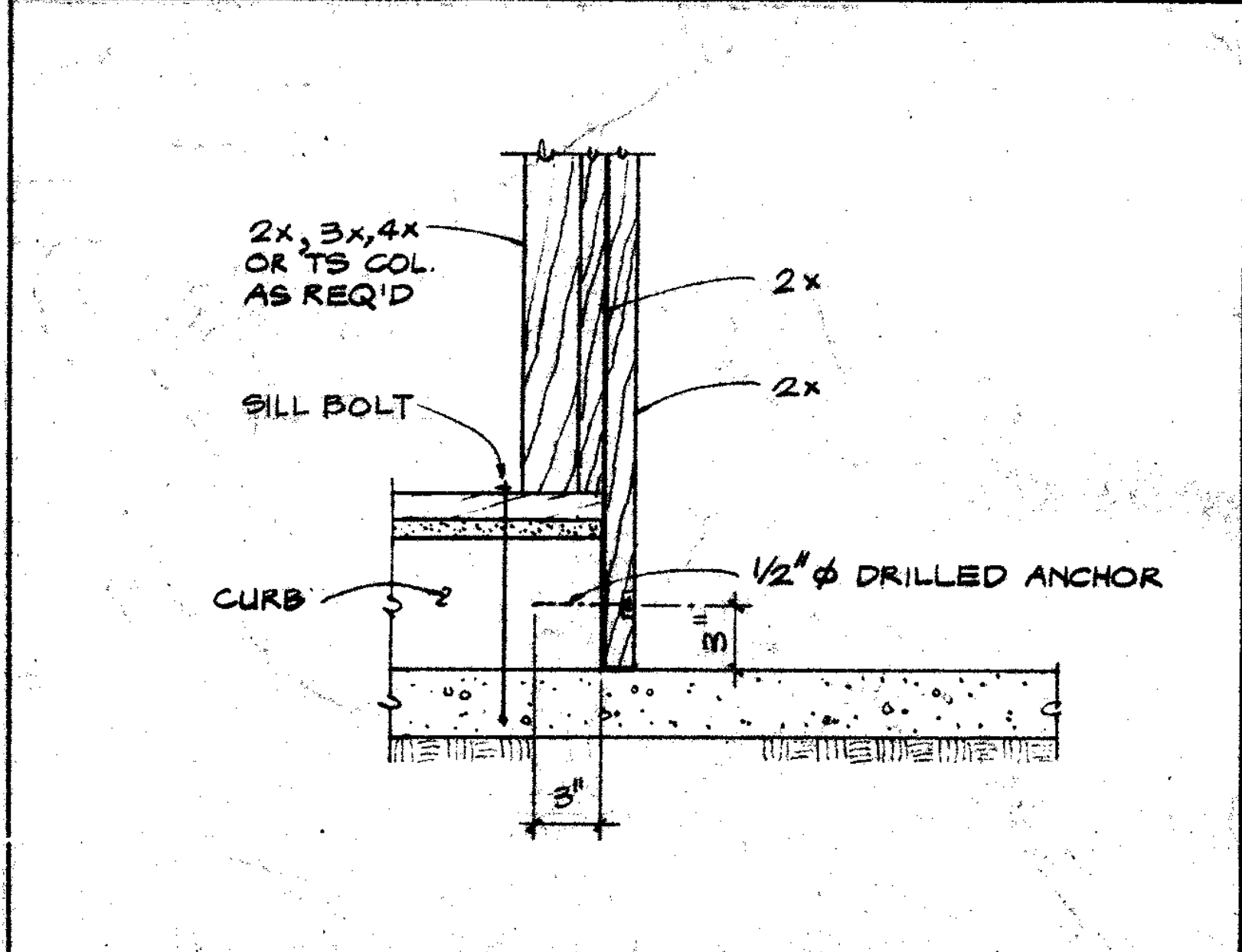
PARTITION ANCHORAGE 15


PROVIDE STUD BLOCKING OR FURRING WHERE ONE HOUR WALLS OCCUR. SEE ARCH. FLOOR PLANS FOR LOCATION
2-20d EA. STRUT
1/2" CLR.
SIMPSON DTC CLIP EA. SIDE @ EA. JOIST TYP.
I-JOIST
2-2x CONT. TOP PLATES
2x STUDS @ 16" o.c.
2x6 STRUT @ 4'-0" o.c. 2-10d EA. END
NOTE: EXTEND STUD WALL TO UNDERSIDE OF SHEATHING AT SPECIAL CASES. REFER TO WALL SECTIONS OR DETAILS.
PERPENDICULAR TO I-JOIST
PARALLEL WITH I-JOIST

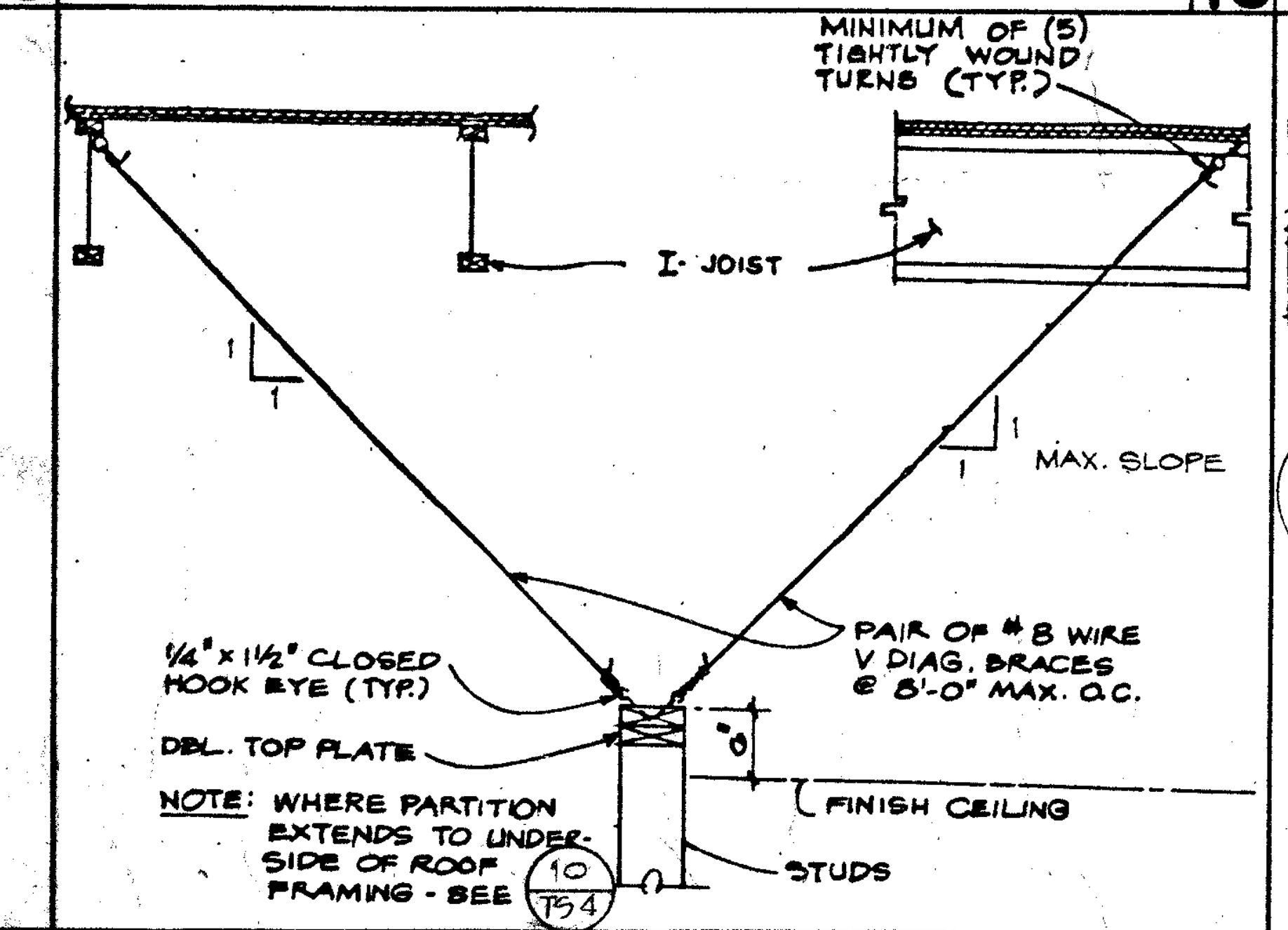
PARTITION ANCHORAGE 10


STANDARD "U" HANGER TYP.
WEB FILLER BLK EA. SIDE OF WEB W/ 4-8d THRU EA. BLK.
5-16d TYP.
2x BLK TYP.
STRONG BACK WHERE OCCURS
2x BLK BTW 2x4 HANGERS
STRONG BACK WHERE OCCURS
2x4 BRACE AT 4'-0" OC TYP. SEE NOTE* BELOW
2x4 HANGER AT 4'-0" oc & 2x4 CRIPPLES @ 16" oc BTW.
(A) TYP.
FINISH SOFFIT WHERE OCCURS
SIMPSON A34 FRAMING ANCHOR
SIMPSON H2.5 ANCHOR EA. SIDE OF 2x4 HANGER TYP.
PARALLEL TO I-JOISTS
PERPENDICULAR TO I-JOISTS
*NOTE: WHERE FIN. SOFFIT DOES NOT OCCUR, DELETE 2x4 CRIPPLES. WHERE STL. BEAM OCCURS ABOVE HANGER, PROVIDE 2x4 STRONG BACK WHERE BRACE LENGTH EXCEEDS 8'-0".
2x BRACE
STRONG BACK
16d @ 6" o.c.
SECTION (A)
AT STL. BM. SIMPSON H2.5 EA. SIDE OF STUD
STL. BM.
REMAINING CONST. SAME AS ABOVE
2x6 HGR. @ 16" o.c.

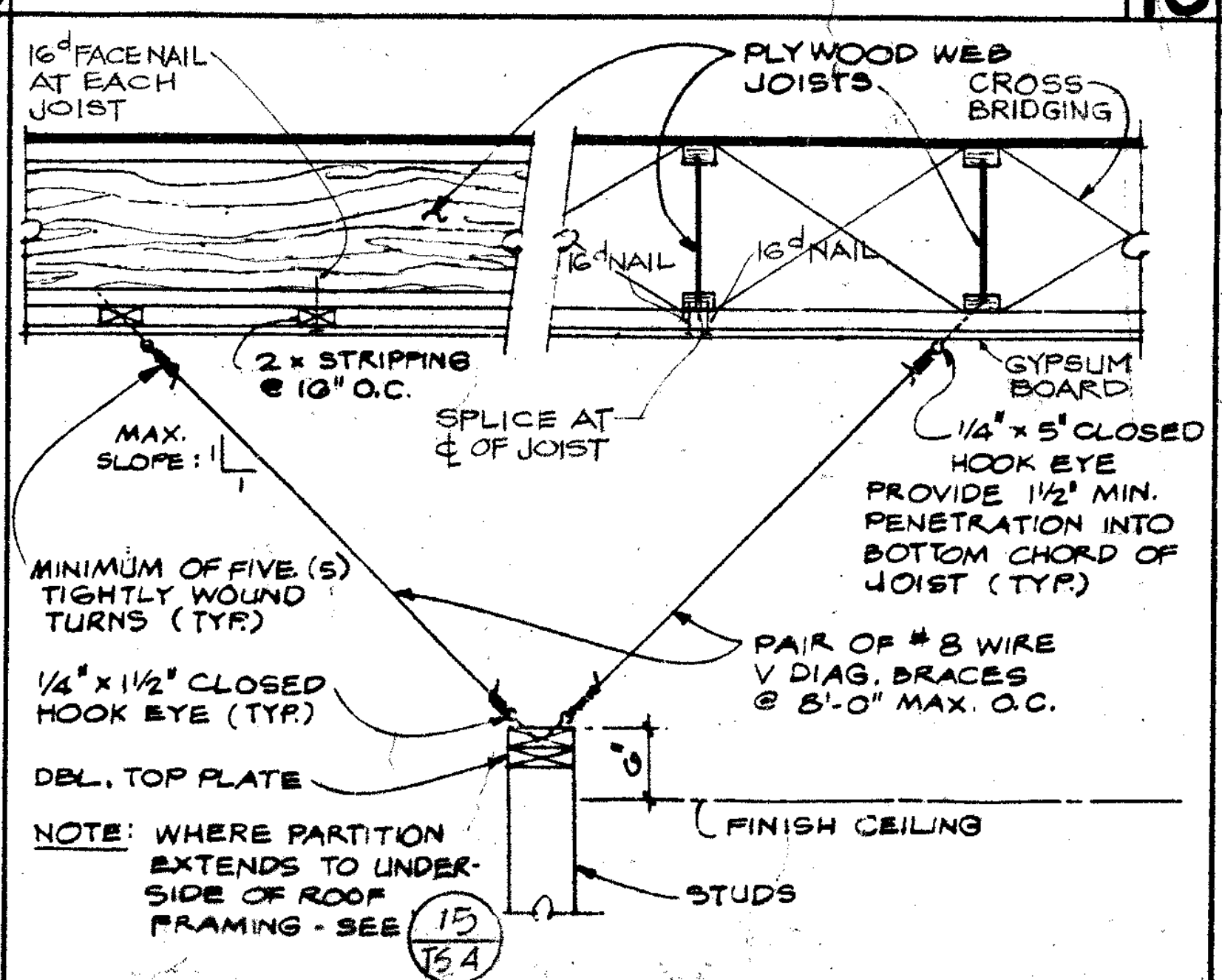
SOFFIT HANGER 5


2x, 3x, 4x OR TS COL. AS REQ'D
2x
2x
SILL BOLT
CURB
1/2" Ø DRILLED ANCHOR

WOOD TRIMMER AT DOOR OPENING 18


MINIMUM OF (5) TIGHTLY WOUND TURNS (TYP.)
I-JOIST
MAX. SLOPE
1/4" x 1 1/2" CLOSED HOOK EYE (TYP.)
PAIR OF #8 WIRE V DIAG. BRACES @ 8'-0" MAX. O.C.
DBL. TOP PLATE
FINISH CEILING
STUDS
NOTE: WHERE PARTITION EXTENDS TO UNDERSIDE OF ROOF FRAMING - SEE 10/TS4

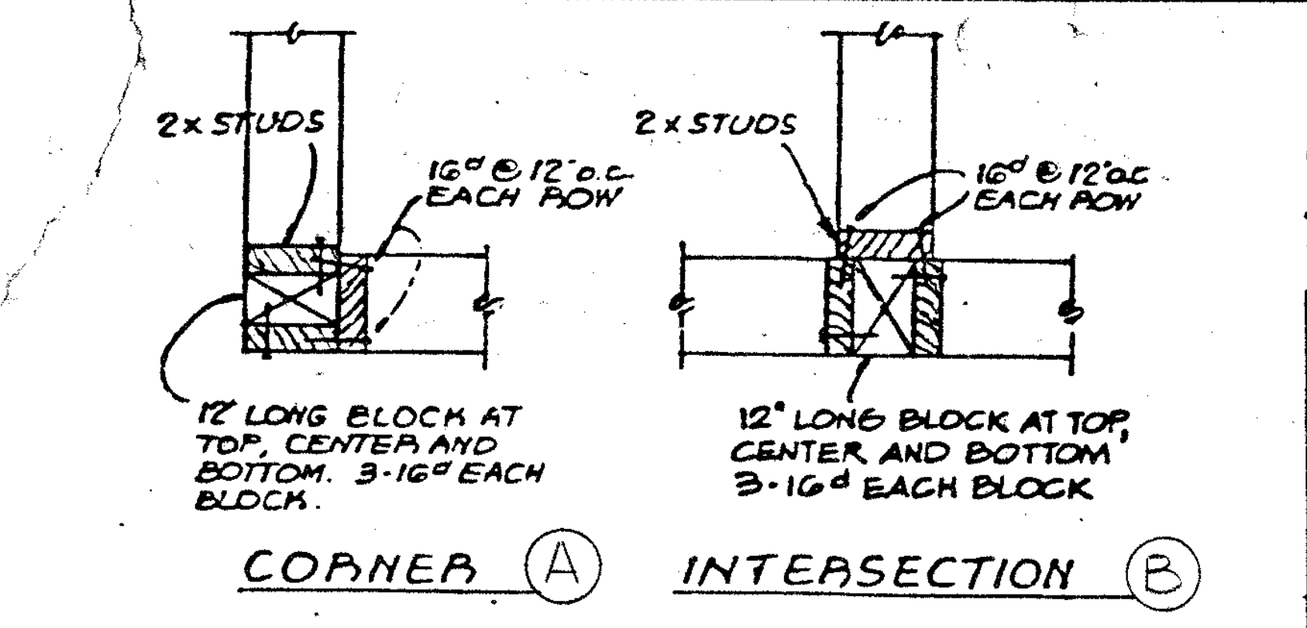
PARTITION ANCHORAGE 14


16d FACE NAIL AT EACH JOIST
PLYWOOD WEB JOISTS
CROSS BRIDGING
16d NAIL
16d NAIL
2x STRIPPING @ 16" O.C.
GYPSUM BOARD
SPLICE AT & OF JOIST
MAX. SLOPE
1/4" x 5" CLOSED HOOK EYE
PROVIDE 1 1/2" MIN. PENETRATION INTO BOTTOM CHORD OF JOIST (TYP.)
MINIMUM OF FIVE (5) TIGHTLY WOUND TURNS (TYP.)
1/4" x 1 1/2" CLOSED HOOK EYE (TYP.)
PAIR OF #8 WIRE V DIAG. BRACES @ 8'-0" MAX. O.C.
DBL. TOP PLATE
FINISH CEILING
STUDS
NOTE: WHERE PARTITION EXTENDS TO UNDERSIDE OF ROOF FRAMING - SEE 15/TS4

PARTITION ANCHORAGE 9

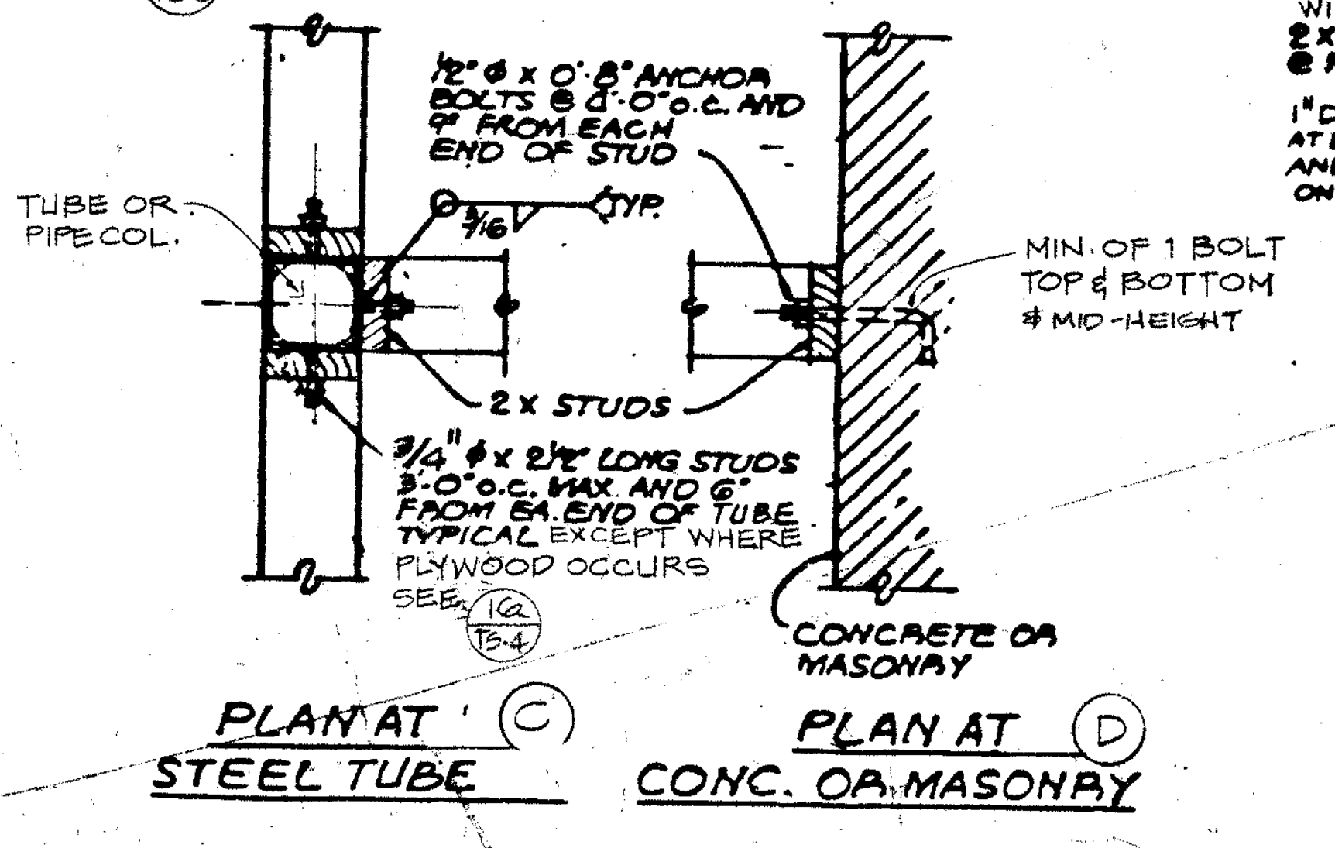
LINTEL			
MAXIMUM ROUGH OPENING	10" STUD	4" STUD	6' STUD
UP TO 4'-0"	4x10 FLAT	4x4	4x6 FLAT
4'-1" TO 6'-0"	6x10 FLAT	4x6	6x6
6'-1" TO 8'-0"	8x10 FLAT	4x8	6x8
8'-1" TO 10'-0"	10x10	4x10	6x10
OVER 10'-0" AND SPECIAL CASES	SEE PLANS AND/OR ELEVATIONS		

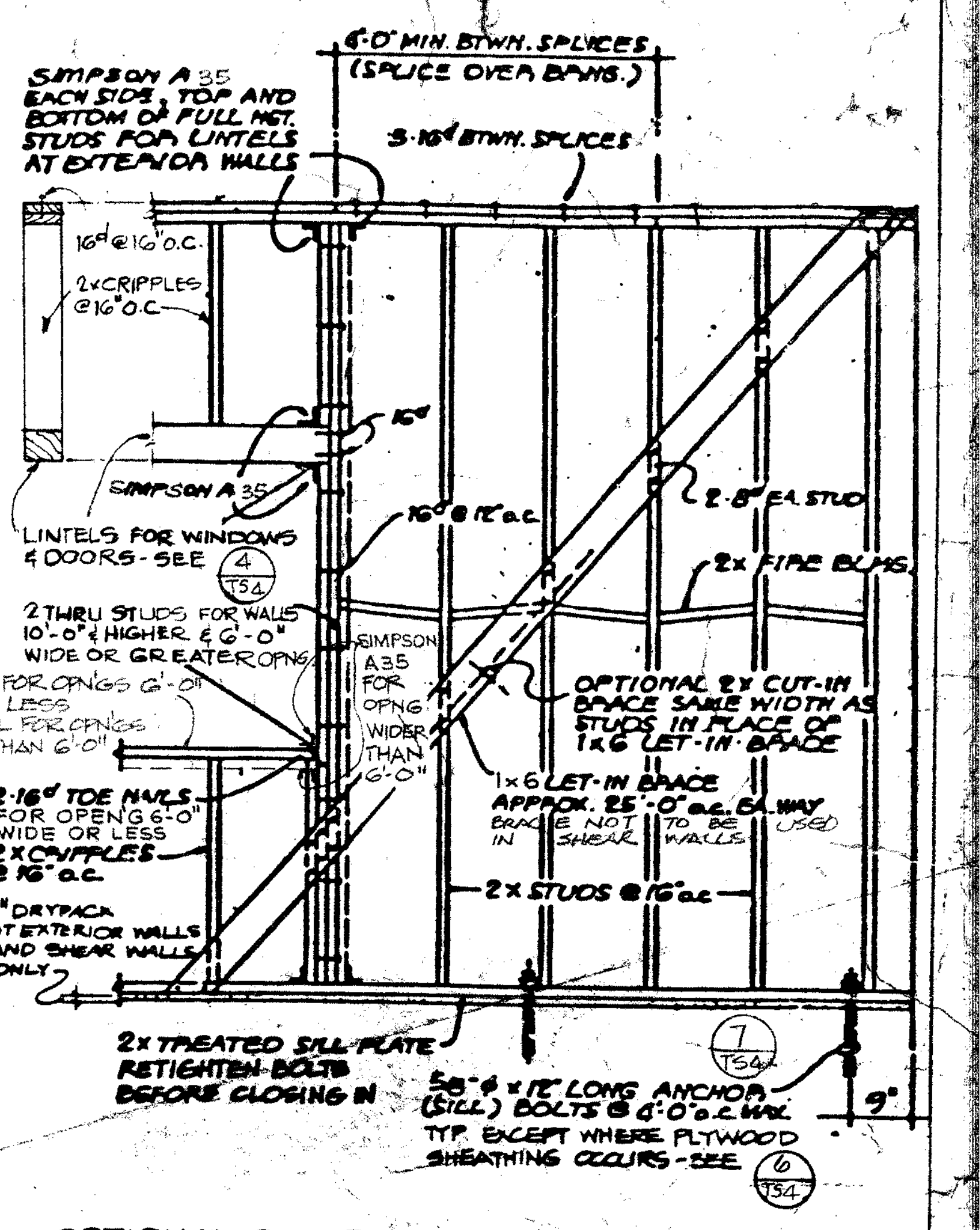
LINTEL SCHEDULE 4


2x STUDS
16d @ 12" o.c. EACH ROW
12" LONG BLOCK AT TOP, CENTER AND BOTTOM. 3-16d EACH BLOCK.
CORNER (A)
2x STUDS
16d @ 12" o.c. EACH ROW
12" LONG BLOCK AT TOP, CENTER AND BOTTOM 3-16d EACH BLOCK
INTERSECTION (B)

NOTES:

1. PROVIDE FURRING OR BACKING OF THICKNESS AS REQUIRED TO MAINTAIN A COMMON WALL PLANE AT ALL WOOD STUD WALL SURFACE WHICH ARE ONLY PARTIALLY SHEATHED WITH STRUCTURAL PLYWOOD.
2. COORDINATE AND ADJUST HEAD JAMB AND SILL DETAILS AS REQUIRED FOR PROPER OVERALL WALL THICKNESS.
3. FOR TYPICAL PLYWOOD SHEAR PANEL ELEVATIONS SEE 2/TS4 & 3/TS4
4. SEE 24/TS-3 FOR TYPICAL NAILING SCHEDULE


1/2" Ø x 0'-8" ANCHOR BOLTS @ 4'-0" o.c. AND 9" FROM EACH END OF STUD
TUBE OR PIPE COL.
3/16 TYP.
MIN. OF 1 BOLT TOP & BOTTOM & MID-HEIGHT
2x STUDS
3/4" Ø x 2 1/2" LONG STUDS @ 2'-0" MAX AND 6" FROM EA END OF TUBE TYPICAL EXCEPT WHERE PLYWOOD OCCURS SEE 16/TS4
CONCRETE OR MASONRY
PLAN AT STEEL TUBE (C)
PLAN AT CONC. OR MASONRY (D)


SIMPSON A35 EACH SIDE, TOP AND BOTTOM OF FULL HGT. STUDS FOR LINTELS AT EXTENDED WALLS
6'-0" MIN BTWN. SPLICES (SPLICE OVER BRNGS.)
3-16d BTWN. SPLICES
16d @ 16" o.c.
2x CRIPPLES @ 16" o.c.
16d
SIMPSON A35
16d @ 8" o.c.
LINTELS FOR WINDOWS & DOORS - SEE 4/TS4
2 THRU STUDS FOR WALLS 10'-0" & HIGHER & 6'-0" WIDE OR GREATER OPNG.
SIMPSON A35 FOR OPNG. WIDER THAN 6'-0"
1-2x SILL FOR OPNG'S 6'-0" WIDE OR LESS
2-2x SILL FOR OPNG'S GREATER THAN 6'-0"
2-8" EA. STUD
2x FIRE BLKG.
OPTIONAL 2x CUT-IN BRACE SAME WIDTH AS STUDS IN PLACE OF 1x6 LET-IN BRACE
1x6 LET-IN BRACE APPROX. 45°-0" & 60° WAY
BRACE NOT REQ'D IN SHEAR WALLS
2-16d TOE NAILS FOR OPENG 6'-0" WIDE OR LESS
2x CRIPPLES @ 16" o.c.
2x STUDS @ 16" o.c.
1" DRYPACK AT EXTERIOR WALLS AND SHEAR WALLS ONLY
2x TREATED SILL PLATE RETIGHTEN BOLTS BEFORE CLOSING IN
5/8" Ø x 12" LONG ANCHOR (SILL) BOLTS @ 4'-0" o.c. MAX TYP. EXCEPT WHERE PLYWOOD SHEATHING OCCURS - SEE 6/TS4
7/TS4
9"

OPTIONAL SILL PLATE ANCHORAGE

SILL PLATES MAY BE ANCHORED BY USE OF 0.145" Ø POWDER DRIVEN PINS @ 32" OC. WITH A MINIMUM PENETRATION OF 1 1/2" INTO CONCRETE. OPTIONAL ANCHORS SHALL NOT BE USED IN CURBS, ADJACENT TO DEPRESSED SLABS, EXTERIOR WALLS OR SHEAR WALLS.

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STUD WALL CONSTRUCTION 1

Drawn By MN
Checked By SRU
Date MAR 1988
Commission No 1-30-05
Revisions
BID JANUARY 1991

Brandow & Johnston Assoc.
Structural Engineers

No. 956
EXP. 12-31-88
STRUCTURAL

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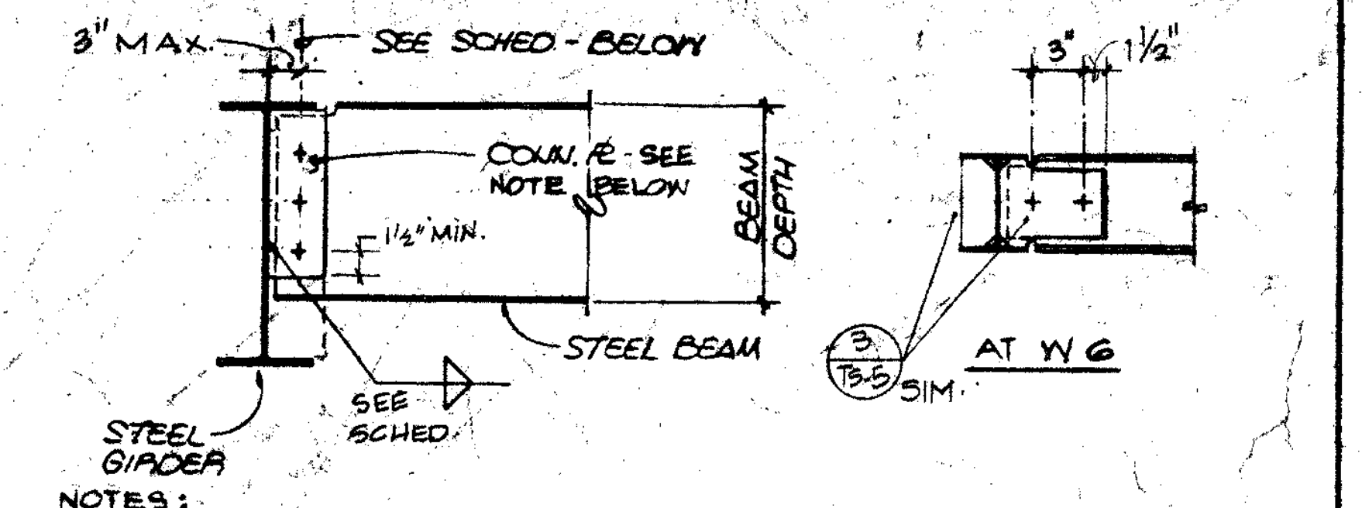
ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

TYPICAL WOOD FRAMING DETAILS

Sheet Number
TS-4
9701 Sheets

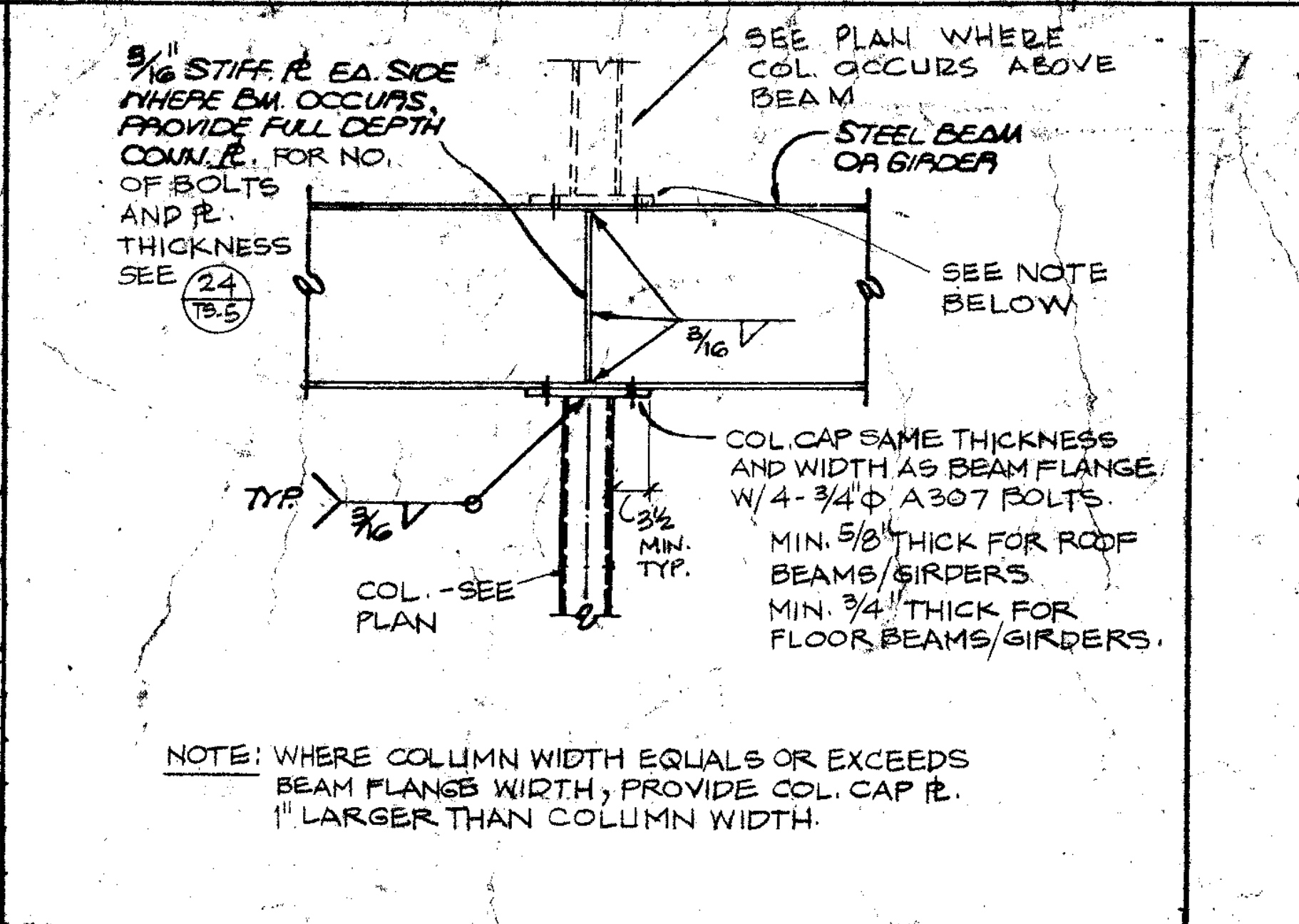

3" MAX.
SEE SCHED - BELOW
3" 1 1/2"
CONN. PL. - SEE NOTE BELOW
1 1/2" MIN.
BEAM DEPTH
STEEL BEAM
3/TS-5 SIM.
AT W 6
STEEL GIRDER
SEE SCHED.

NOTES:

- PROVIDE CONNECTION PL. OF THICKNESS EQUAL TO OR GREATER THAN BEAM WEB THICKNESS
- 1/4" THICK MINIMUM
- PROVIDE PL. THICKNESS IN INCREMENTS OF 1/8"
- WHERE SKEWED PL. CONN OCCURS - SEE 23/TS5

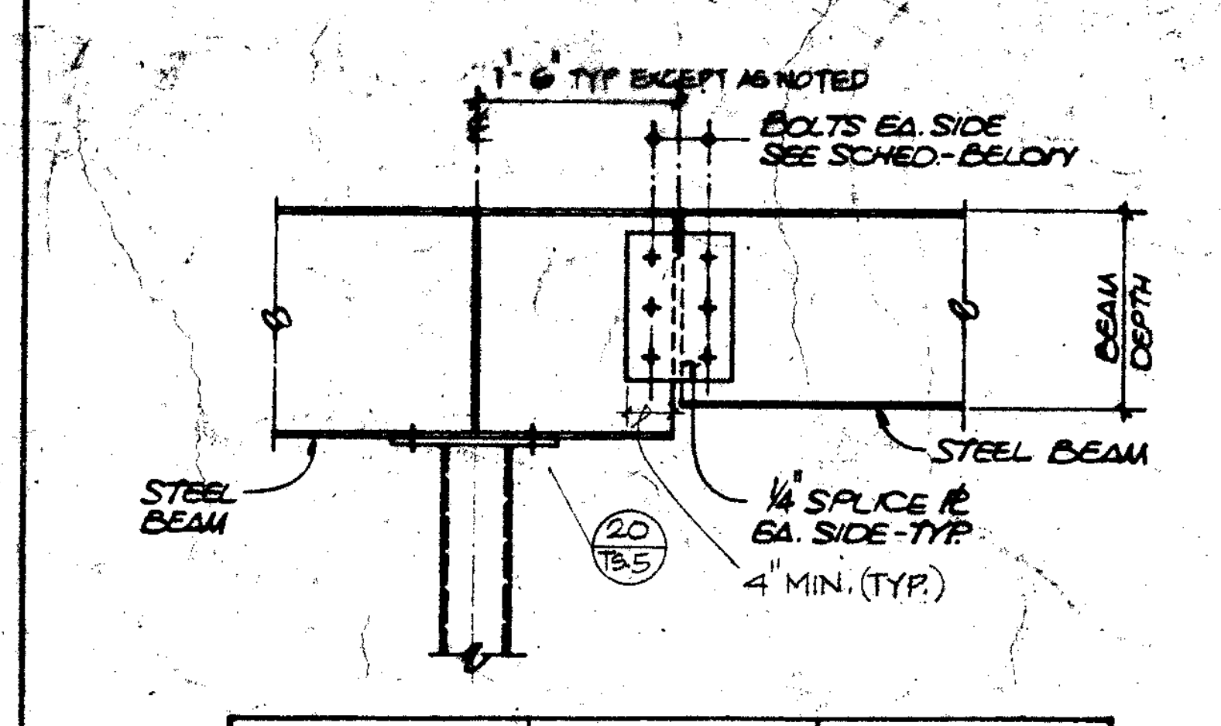
BM. SIZE	NO. & SIZE OF BOLTS	TYPE OF BOLTS	WELD SIZE
W8	2-3/4"ϕ	A307	1/4
W10	2-7/8"ϕ	A307	1/4
W12	3-7/8"ϕ	A307	1/4
W14	4-7/8"ϕ	A307	1/4
W16	4-7/8"ϕ	A307	1/4
W18	5-7/8"ϕ	A307	5/16
W21	6-7/8"ϕ	A307	5/16
W24	7-7/8"ϕ	A307	5/16
W6	2-3/4"ϕ	A307	1/4

BM./GIRDER CONN. 24


3/8" STIFF. PL. EA. SIDE WHERE BM. OCCURS, PROVIDE FULL DEPTH CONN. PL. FOR NO. OF BOLTS AND PL. THICKNESS SEE 24/TS-5
SEE PLAN WHERE COL OCCURS ABOVE BEAM
STEEL BEAM OR GIRDER
SEE NOTE BELOW
5/16
TYP.
3/16
MIN. TYP.
COL. - SEE PLAN
COL. CAP SAME THICKNESS AND WIDTH AS BEAM FLANGE W/ 4-3/4"ϕ A307 BOLTS
MIN. 5/8" THICK FOR ROOF BEAMS/GIRDERS
MIN. 3/4" THICK FOR FLOOR BEAMS/GIRDERS.

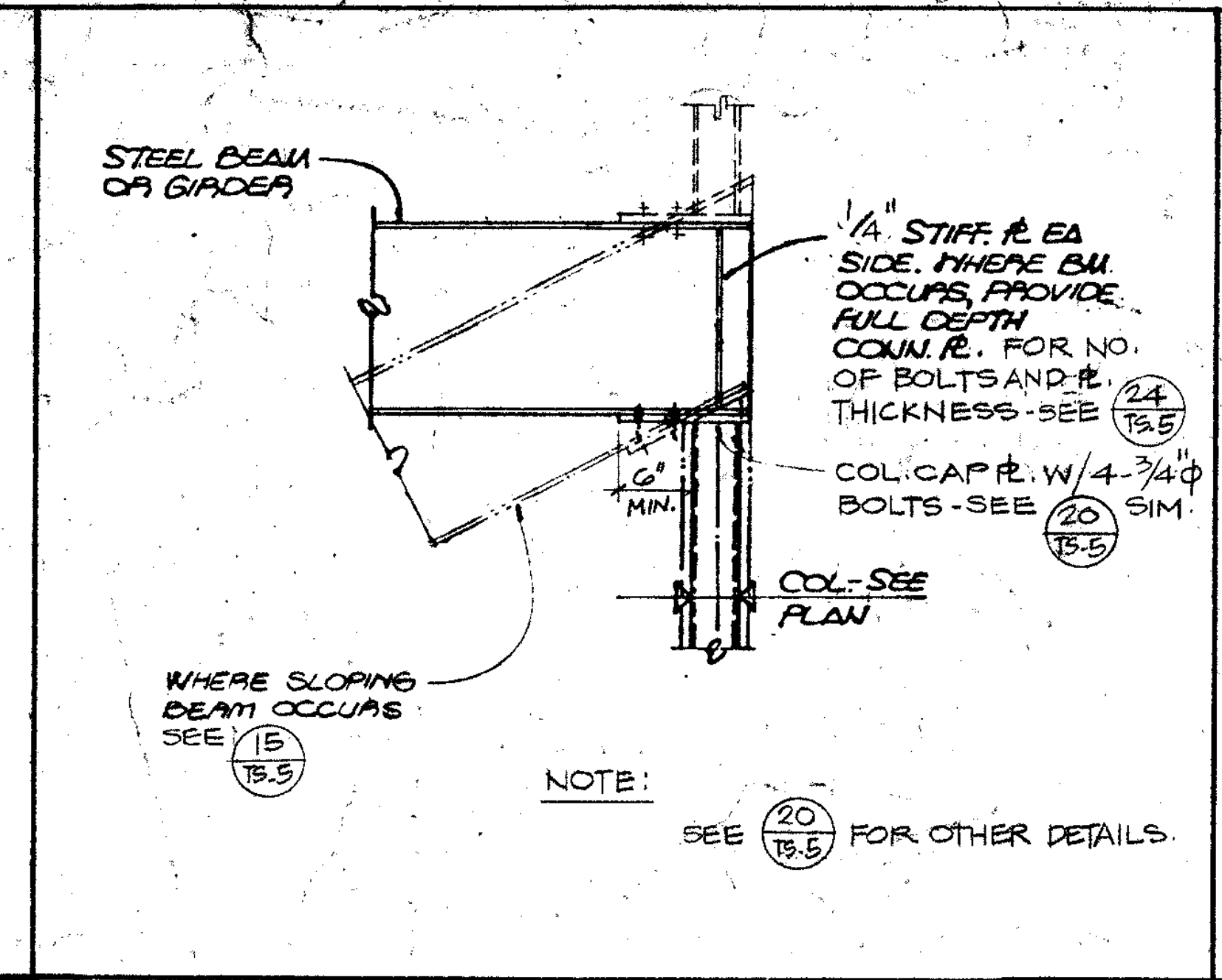
NOTE: WHERE COLUMN WIDTH EQUALS OR EXCEEDS BEAM FLANGE WIDTH, PROVIDE COL. CAP PL. 1" LARGER THAN COLUMN WIDTH.

BM./COL. CONN. 20


1'-6" TYP. EXCEPT AS NOTED
BOLTS EA. SIDE SEE SCHED - BELOW
BEAM DEPTH
STEEL BEAM
STEEL BEAM
20/TS-5
1/4" SPLICE PL. EA. SIDE - TYP.
4" MIN. (TYP.)

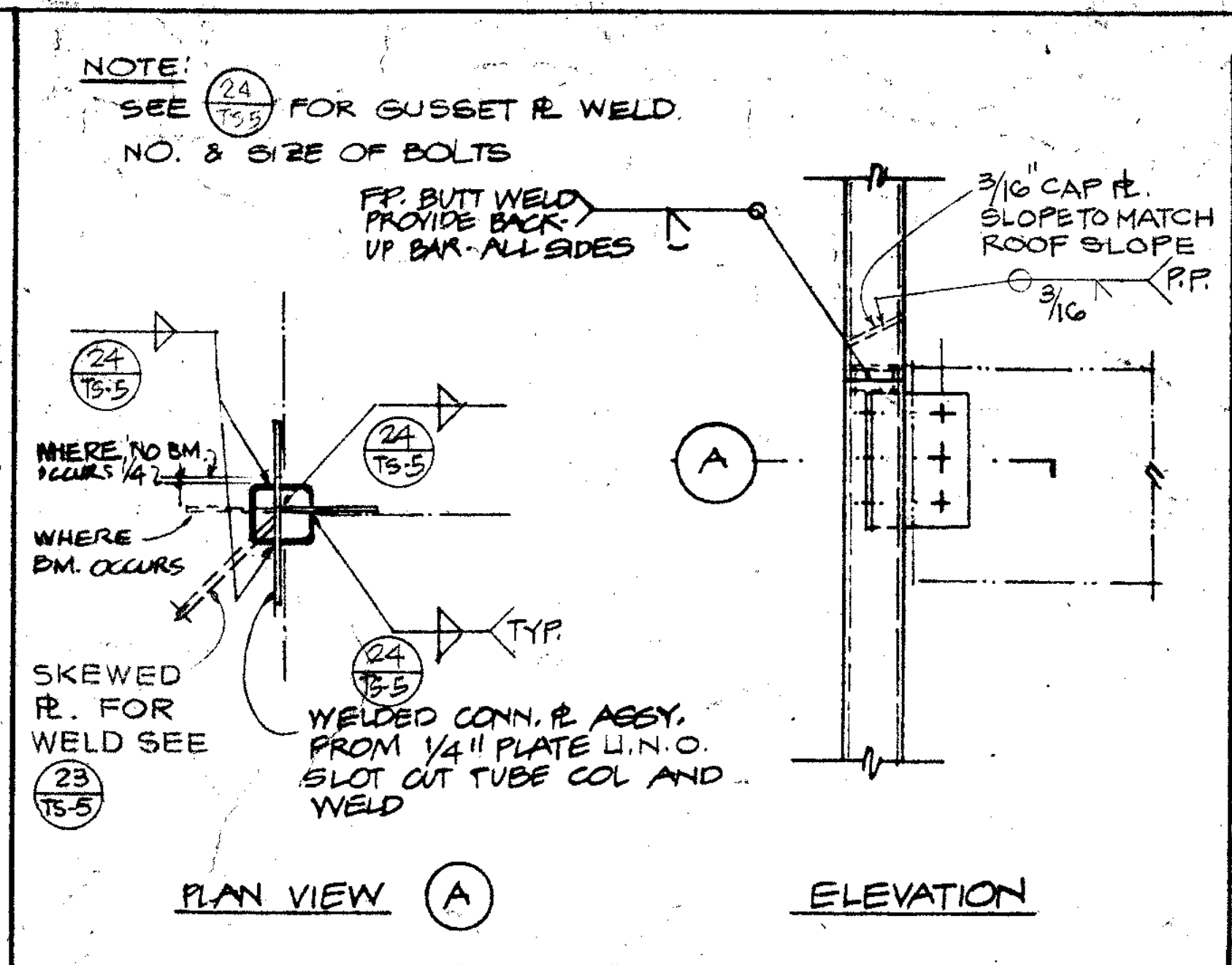
BEAM SIZE	NO. & SIZE OF BOLTS EA. SIDE	TYPE OF BOLTS
W8	2-3/4"ϕ	A307
W10 & W12	3-7/8"ϕ	A307
W14 & W16	4-7/8"ϕ	A307
W18	5-7/8"ϕ	A307

BM. SPLICE DETAIL 16

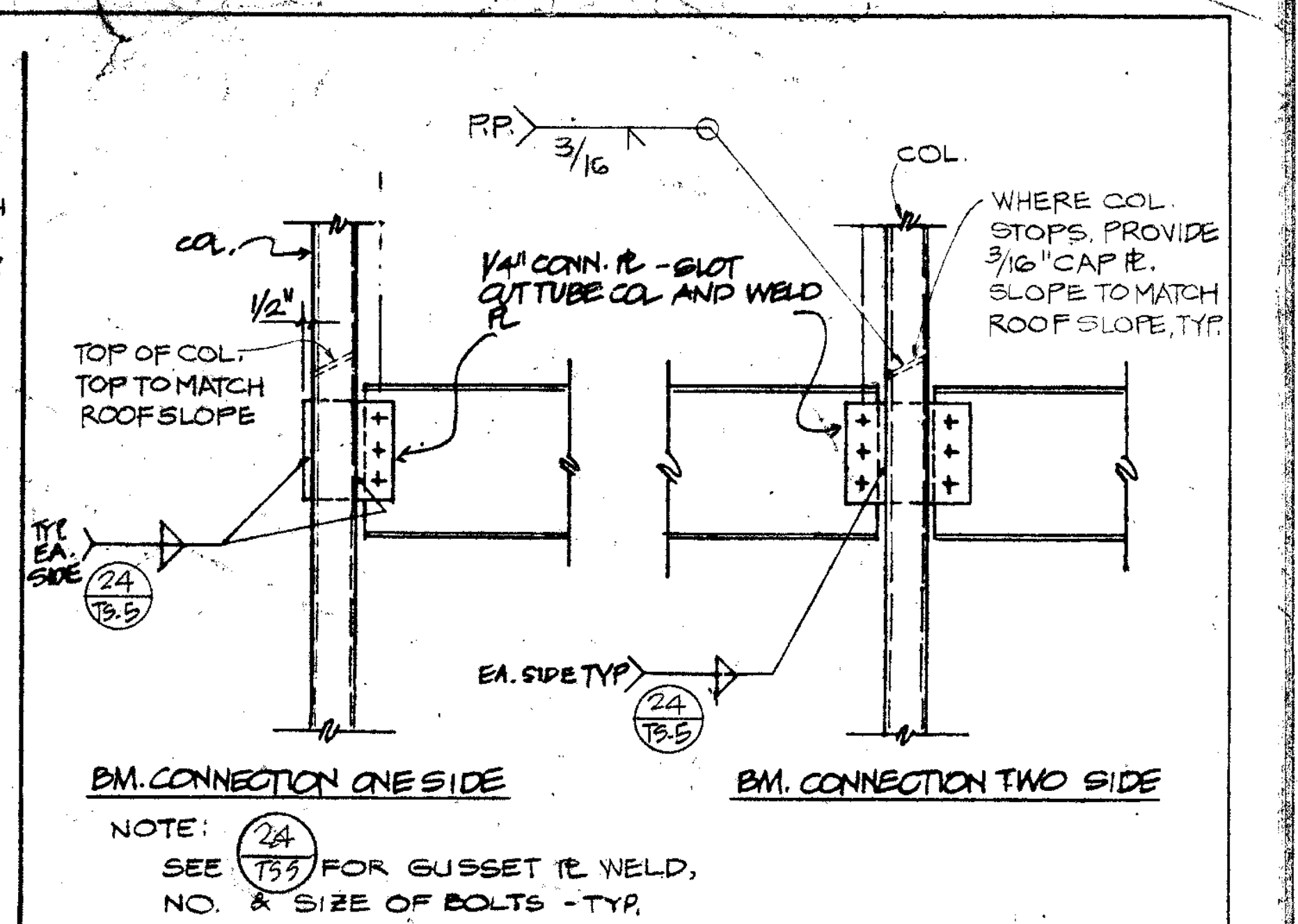

STEEL BEAM OR GIRDER
1/4" STIFF. PL. EA. SIDE, WHERE BM. OCCURS, PROVIDE FULL DEPTH CONN. PL. FOR NO. OF BOLTS AND PL. THICKNESS - SEE 24/TS-5
COL. CAP PL. W/ 4-3/4"ϕ BOLTS - SEE 20/TS-5 SIM.
MIN.
COL. - SEE PLAN
WHERE SLOPING BEAM OCCURS SEE 15/TS-5

NOTE: SEE 20/TS-5 FOR OTHER DETAILS

BM./END COL. CONN. 12

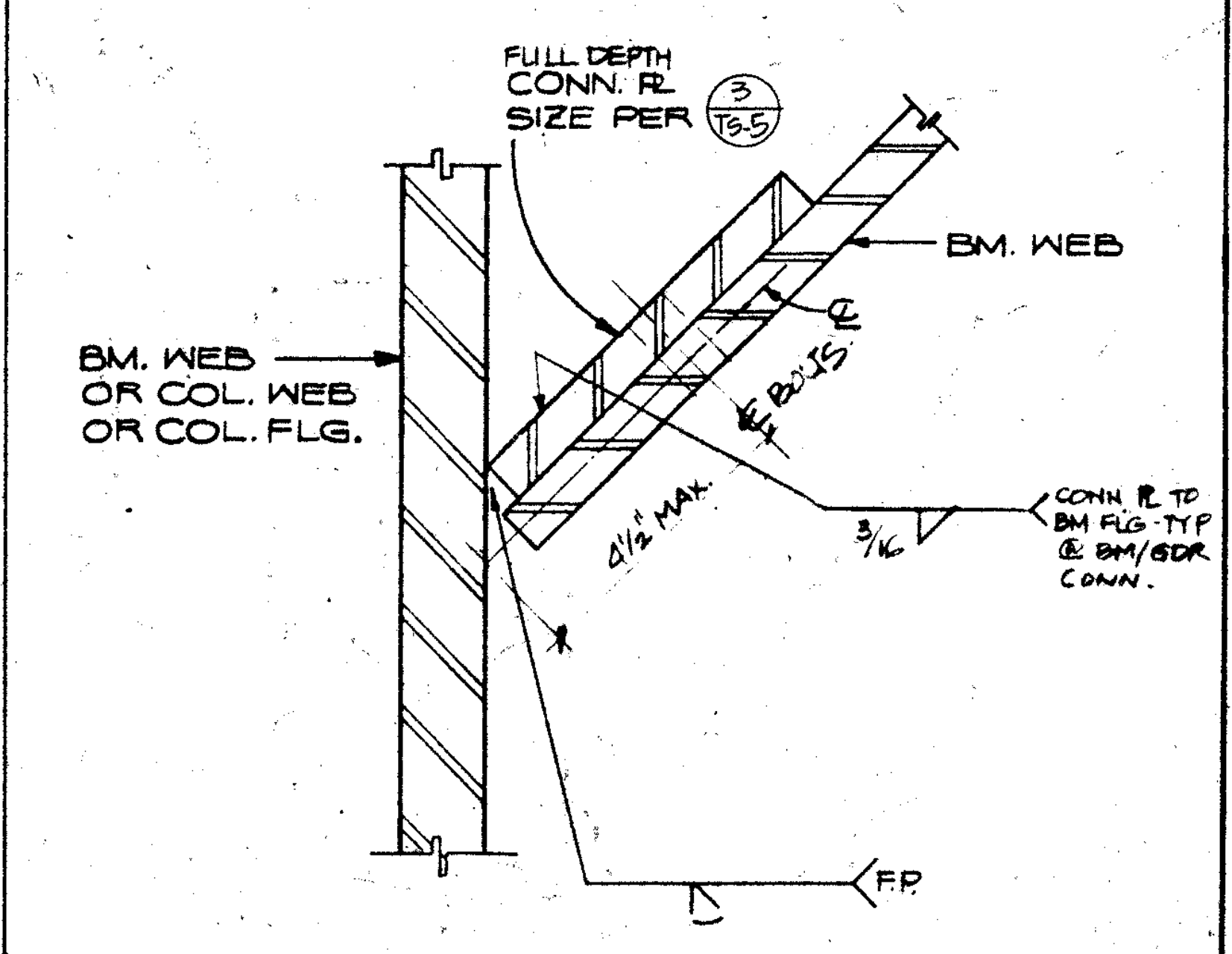

NOTE: SEE 24/TS-5 FOR GUSSET PL. WELD, NO. & SIZE OF BOLTS
P.P. BUTT WELD PROVIDE BACK-UP BAR - ALL SIDES
3/16" CAP PL. SLOPE TO MATCH ROOF SLOPE
P.P.
24/TS-5
24/TS-5
WHERE TO BM. OCCURS
WHERE BM. OCCURS
SKEWED PL. FOR WELD SEE 23/TS-5
A
TYP.
WELDED CONN. PL. ASSY. FROM 1/4" PLATE U.N.O. SLOT CUT TUBE COL AND WELD
PLAN VIEW A
ELEVATION

BM./COL. CONN. 8

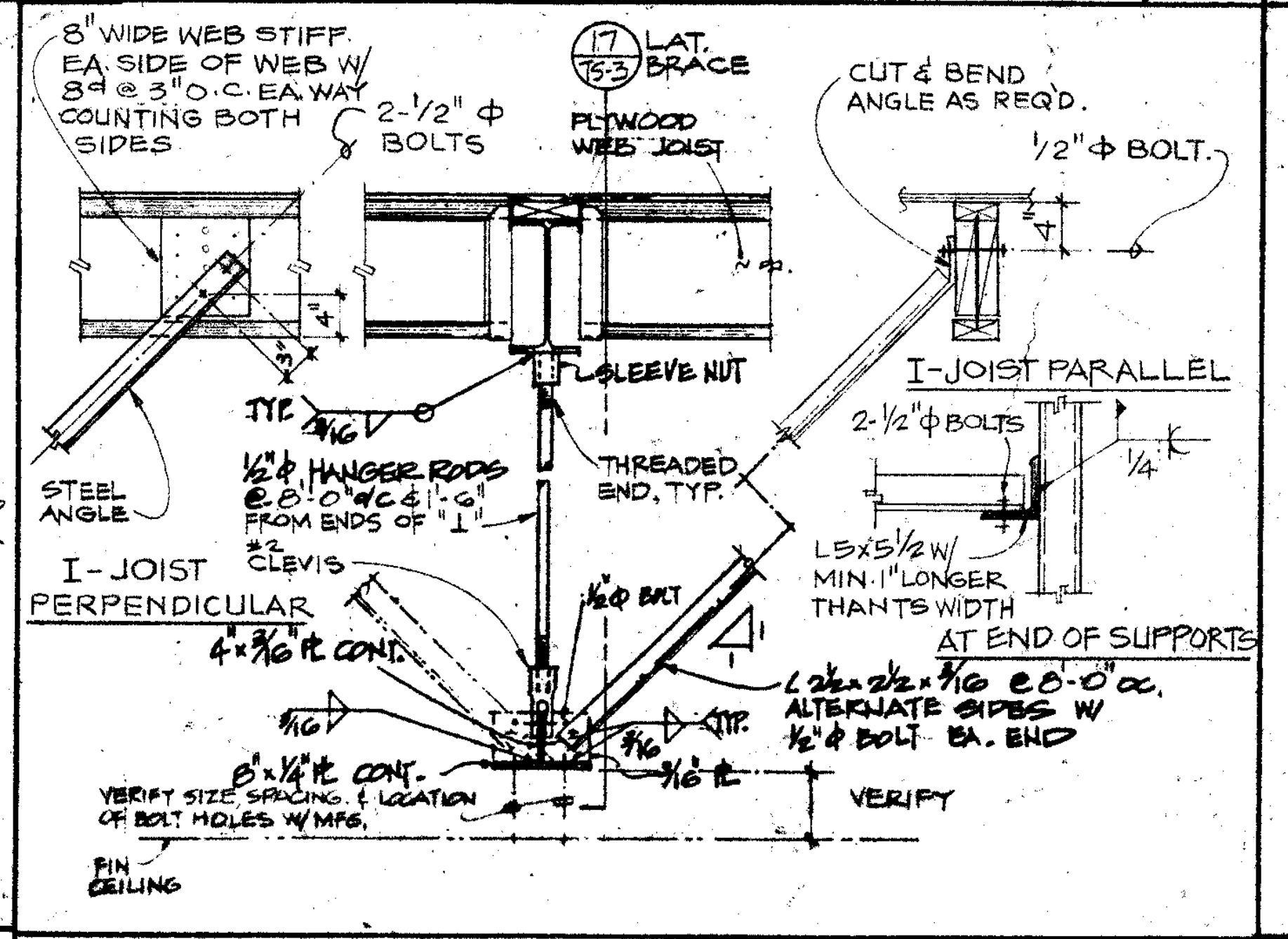

P.P.
3/16
COL.
COL.
WHERE COL. STOPS, PROVIDE 3/16" CAP PL. SLOPE TO MATCH ROOF SLOPE, TYP.
TOP OF COL. TOP TO MATCH ROOF SLOPE
1/4" CONN. PL. - SLOT CUT TUBE COL AND WELD
24/TS-5
EA. SIDE TYP.
24/TS-5
BM. CONNECTION ONE SIDE
BM. CONNECTION TWO SIDE

NOTE: SEE 24/TS5 FOR GUSSET PL. WELD, NO. & SIZE OF BOLTS - TYP.

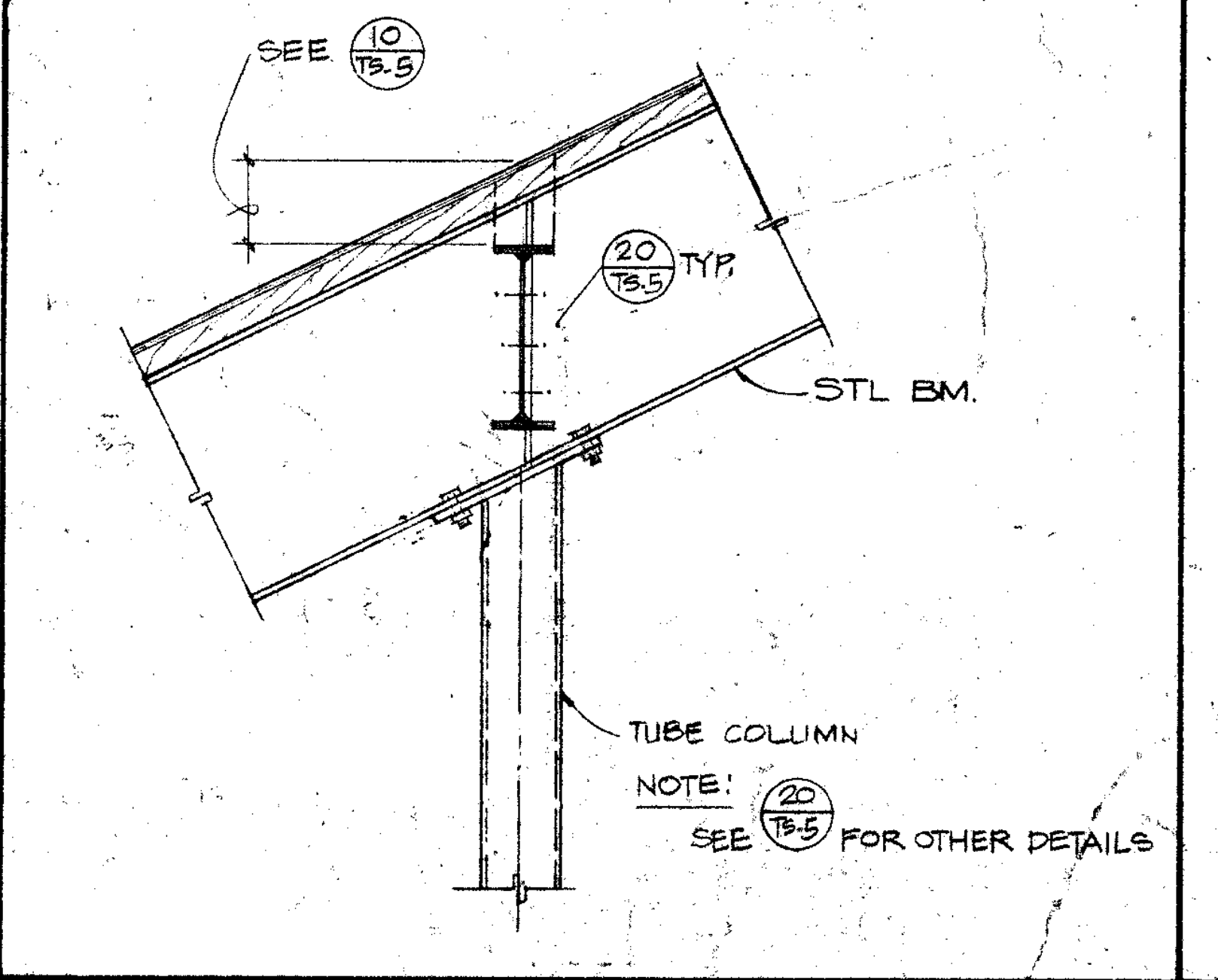
BM./COL. CONN. 4


FULL DEPTH CONN. PL. SIZE PER 3/TS-5
BM. WEB
BM. WEB OR COL. WEB OR COL. FLG.
4 1/2 MAX.
3/16
CONN. PL. TO BM. FLG. - TYP. @ BM/GDR CONN.
F.P.

SKEWED BEAM OR GIRDER CONN. 23

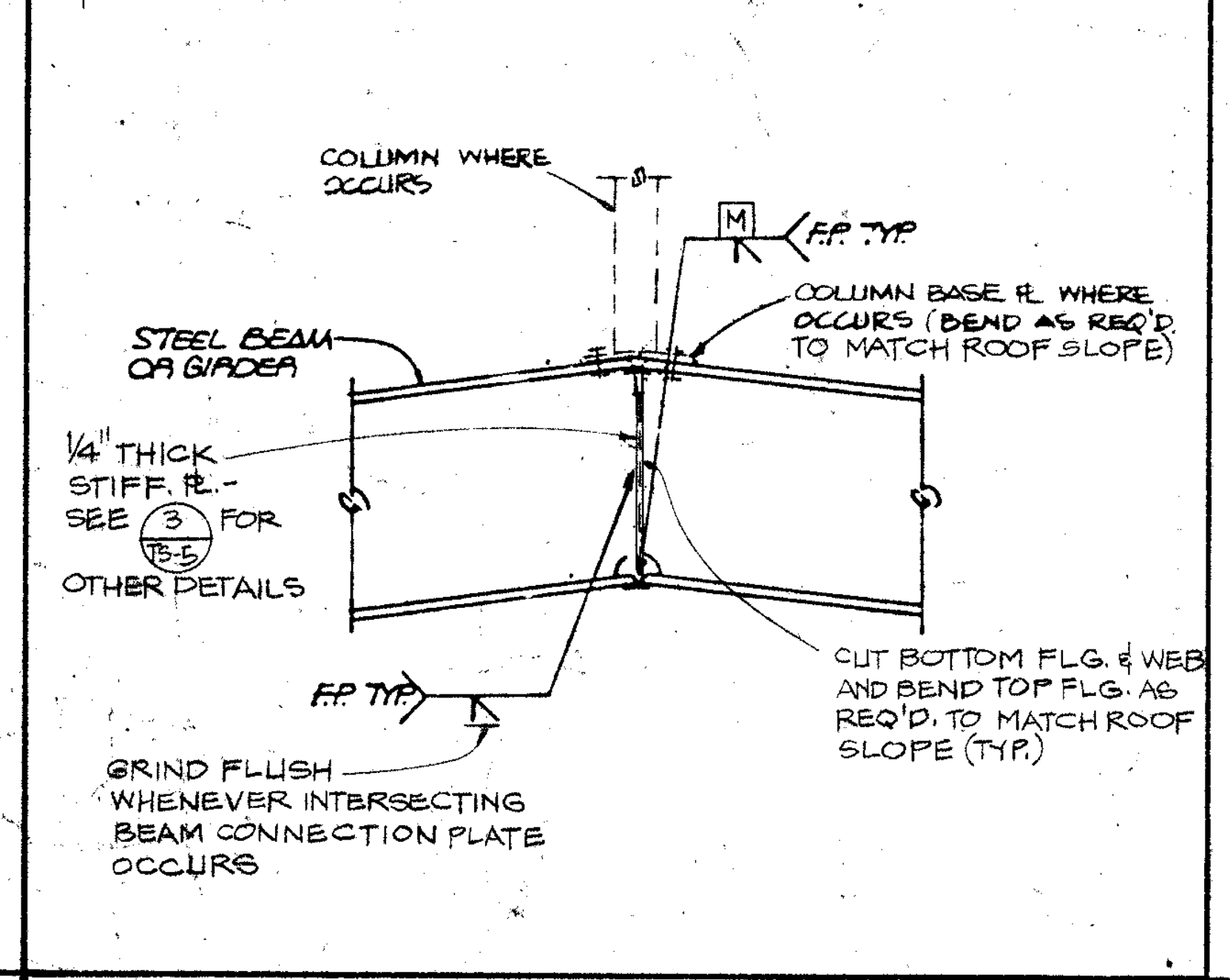

8" WIDE WEB STIFF. EA. SIDE OF WEB W/ 8d @ 3" O.C. EA. WAY COUNTING BOTH SIDES
17/TS-5 LAT. BRACE
2-1/2"ϕ BOLTS
PLYWOOD WEB JOIST
CUT & BEND ANGLE AS REQ'D.
1/2"ϕ BOLT
I-JOIST PARALLEL
STEEL ANGLE
I-JOIST PERPENDICULAR
SLEEVE NUT
THREADED END, TYP.
1/2"ϕ HANGER RODS @ 8'-0" O.C.
2-1/2"ϕ BOLTS
L5x3 1/2x1/4 MIN. 1" LONGER THAN TOTS WIDTH
AT END OF SUPPORTS
L 2 1/2x2 1/2x3/16 @ 8'-0" O.C. ALTERNATE SIDES W/ 1/2"ϕ BOLT EA. END
VERIFY SIZE, SPACING & LOCATION OF BOLT HOLES W/ MFG.
VERIFY
FIN. CEILING

OPERABLE WALL SUPPORT DETAIL 19

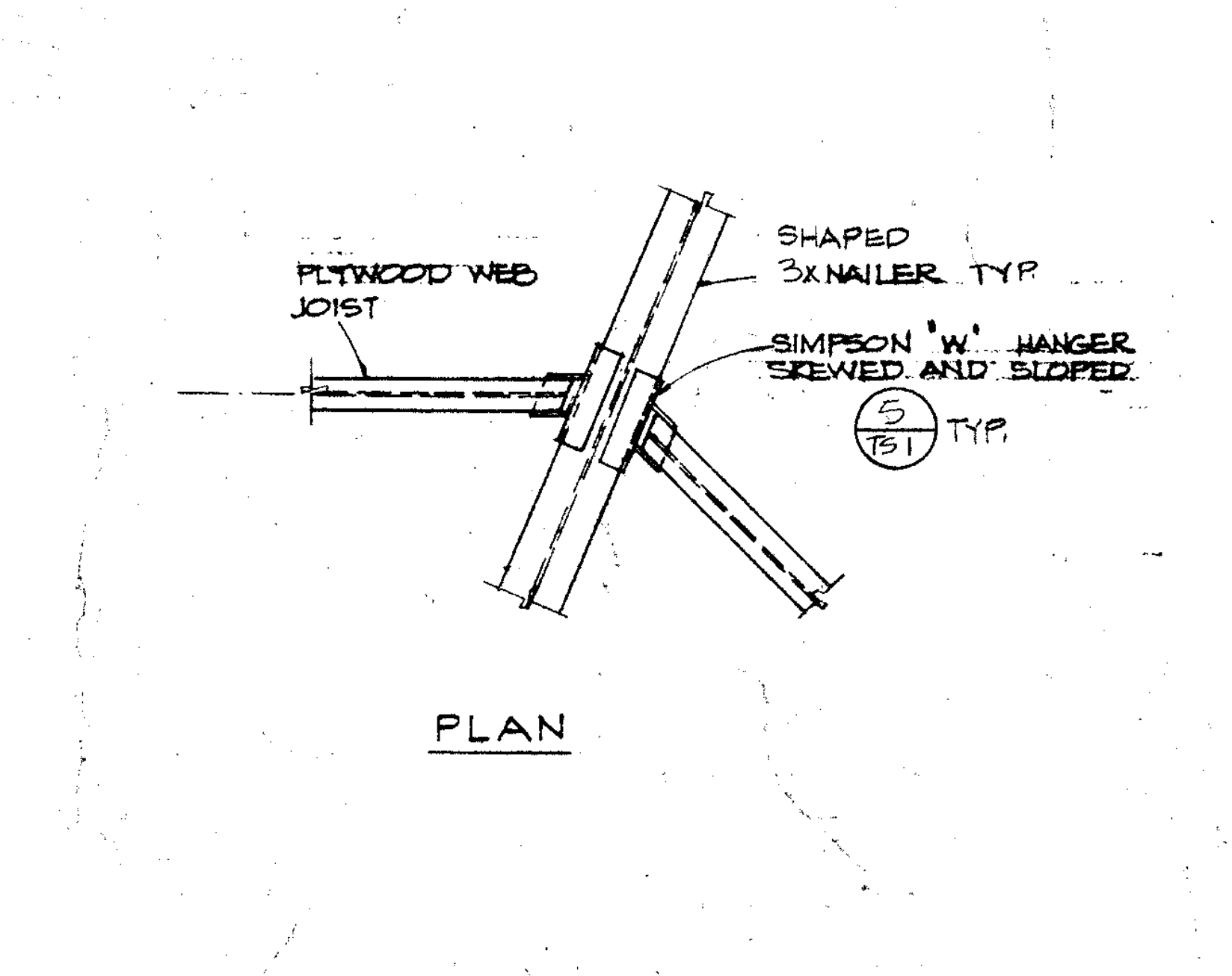

SEE 10/TS-5
20/TS-5 TYP.
STL. BM.
TUBE COLUMN

NOTE: SEE 20/TS-5 FOR OTHER DETAILS

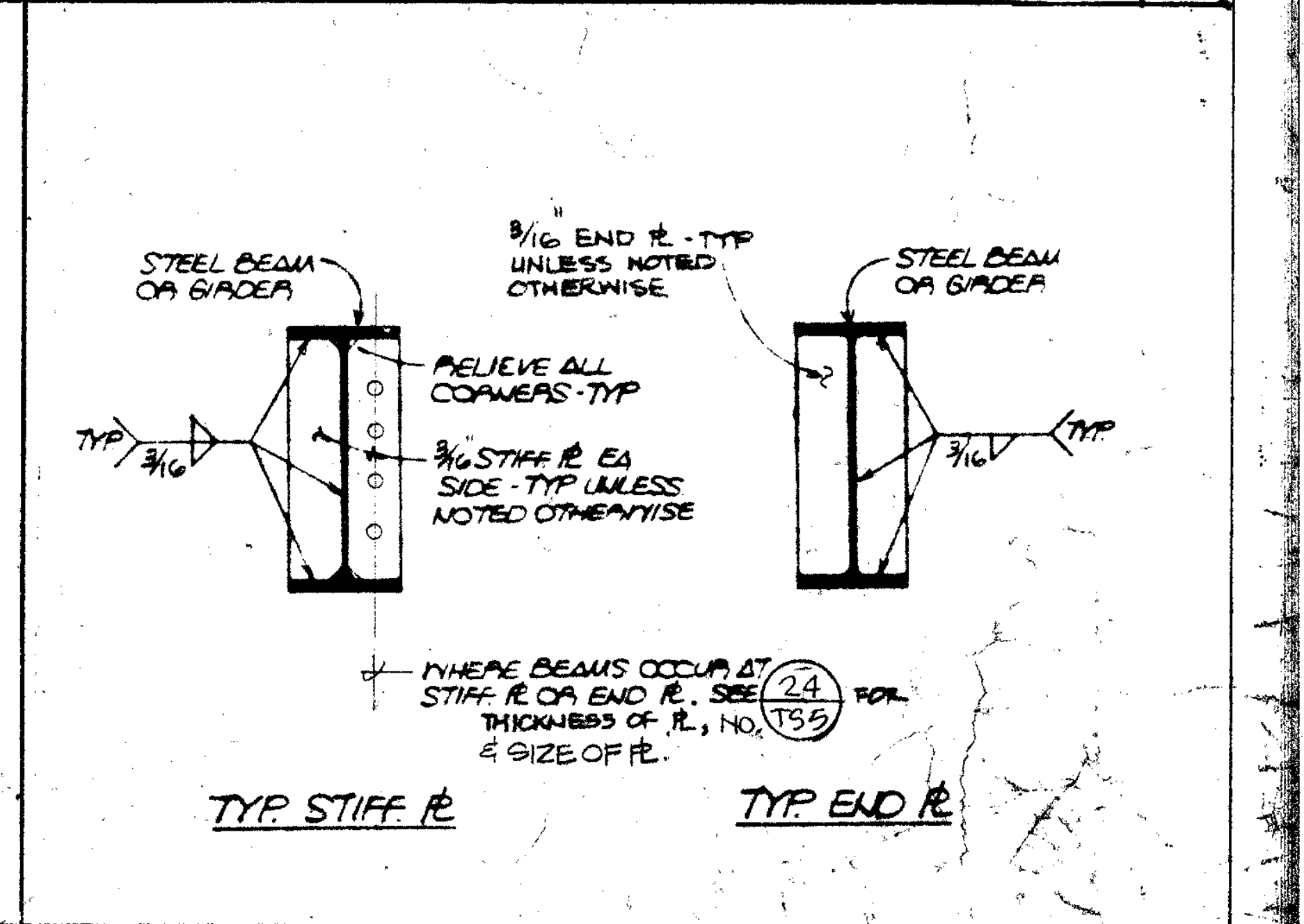
SLOPING BM. TO PERIMETER BM. CONN. 15


COLUMN WHERE OCCURS
F.P. TYP.
COLUMN BASE PL. WHERE OCCURS (BEND AS REQ'D. TO MATCH ROOF SLOPE)
STEEL BEAM OR GIRDER
1/4" THICK STIFF. PL. - SEE 3/TS-5 FOR OTHER DETAILS
F.P. TYP.
GRIND FLUSH WHENEVER INTERSECTING BEAM CONNECTION PLATE OCCURS
CUT BOTTOM FLG. & WEB AND BEND TOP FLG. AS REQ'D. TO MATCH ROOF SLOPE (TYP.)

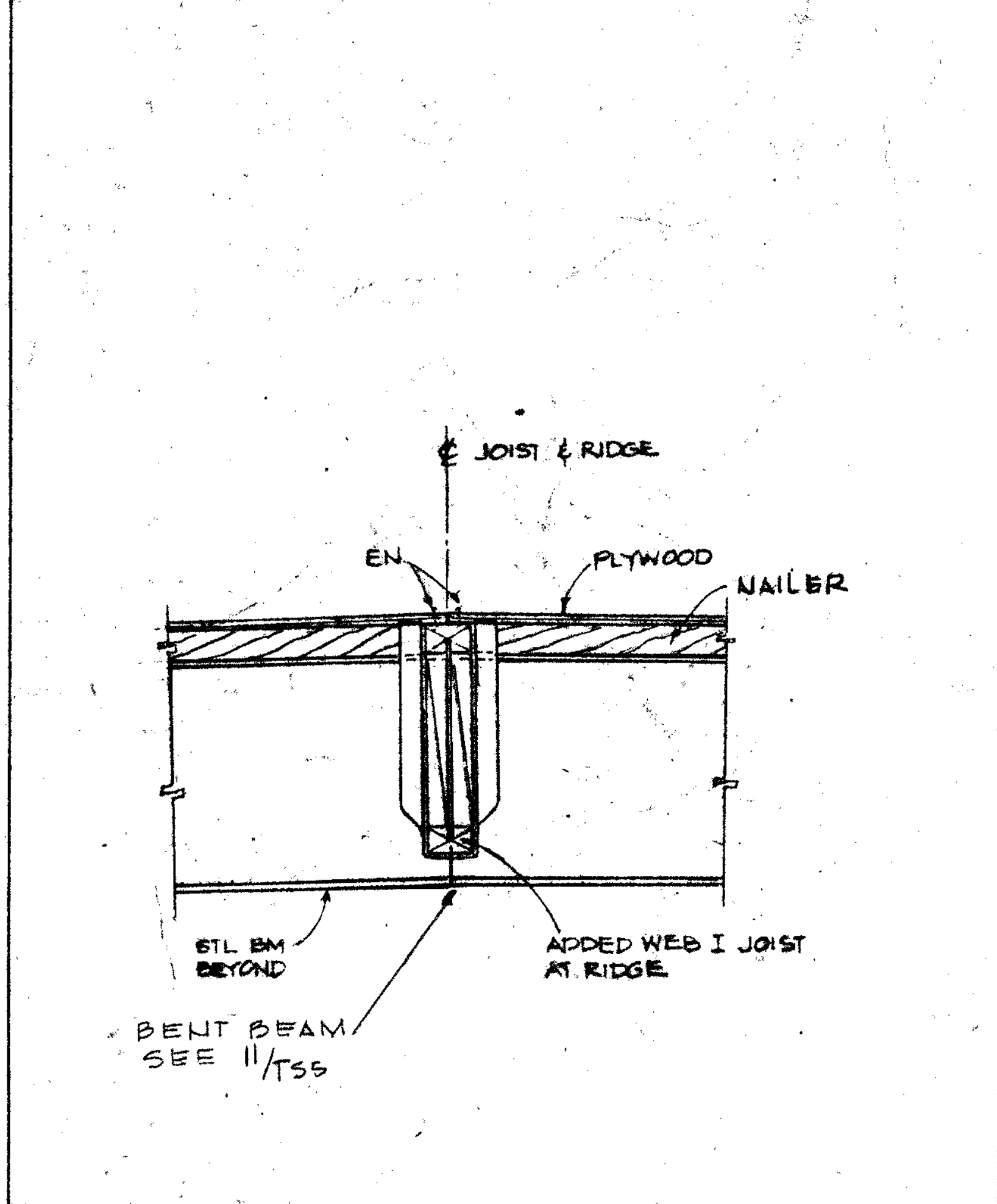
BENT BM. 11


PLYWOOD WEB JOIST
SHAPED 3x NAILER TYP.
SIMPSON "W" HANGER SKEWED AND SLOPED
5/TS-1 TYP.
PLAN

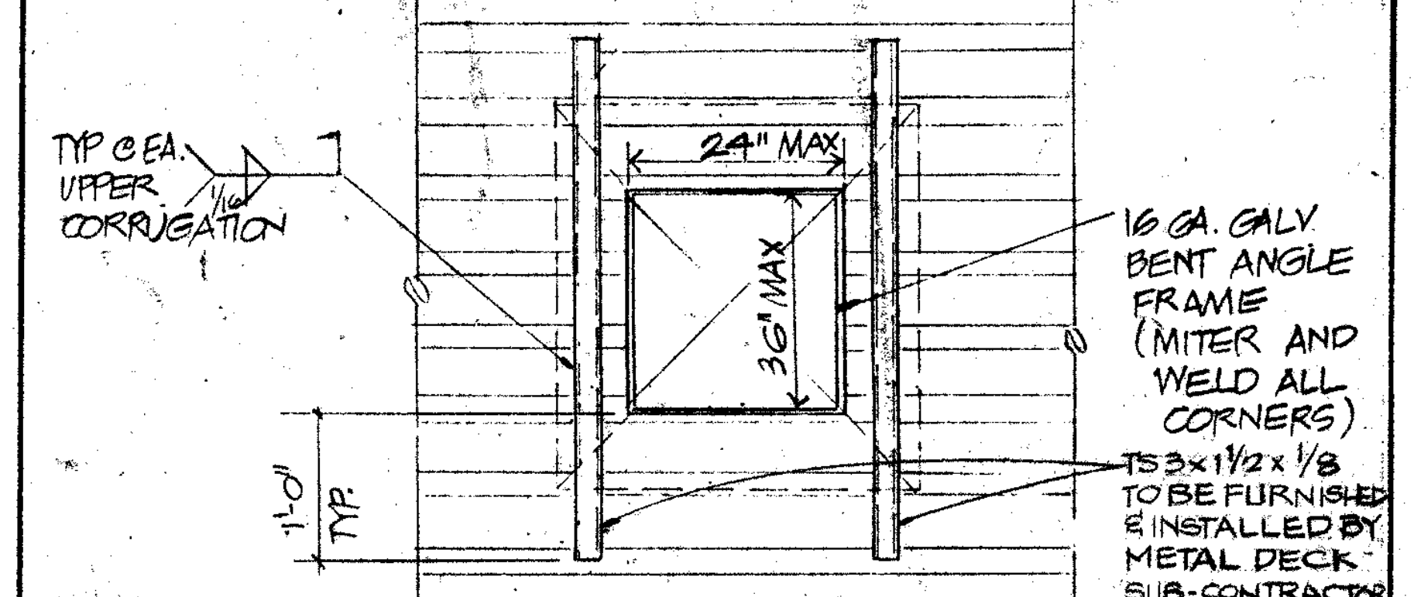
SKEWED JOIST TO BM CONN. 7


STEEL BEAM OR GIRDER
3/16 END PL. - TYP. UNLESS NOTED OTHERWISE
STEEL BEAM OR GIRDER
TYP. 3/16
RELIEVE ALL CORNERS - TYP.
3/16 STIFF. PL. EA. SIDE - TYP. UNLESS NOTED OTHERWISE
TYP.
WHERE BEAMS OCCUR AT STIFF. PL. OR END PL., SEE 24/TS5 FOR THICKNESS OF PL., NO. & SIZE OF PL.
TYP. STIFF PL.
TYP. END PL.

STIFF. PL. AND END PL. 3


CL JOIST & RIDGE
EN.
PLYWOOD
NAILER
STL. BM. BEYOND
ADDED WEB I JOIST AT RIDGE
BENT BEAM SEE 11/TS5

SECTION AT RIDGE OF ROOF 22


TYP. @ EA. UPPER CORRUGATION
24" MAX.
36" MAX.
TYP.
16 GA. GALV BENT ANGLE FRAME (MITER AND WELD ALL CORNERS)
TS 3x1 1/2x1/8 TO BE FURNISHED & INSTALLED BY METAL DECK SUB-CONTRACTOR

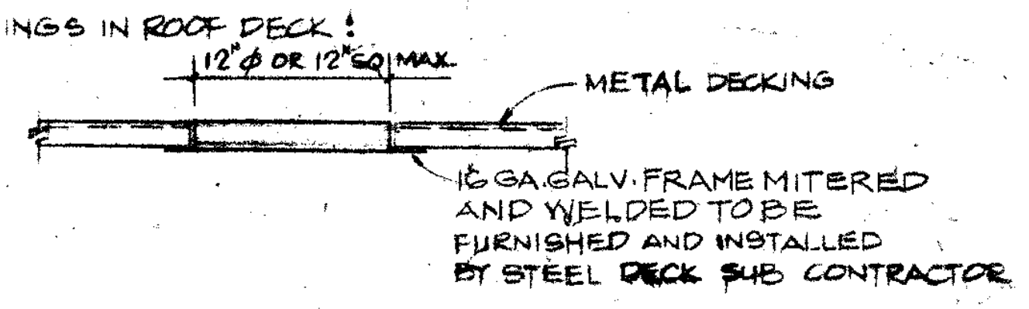
NOTES:

1. FOR OPENING SIZE 12" SQ AND SMALLER, TUBE FRAMING MAY BE OMITTED. - SEE 17/TS-5
2. FOR LARGER ROOF OPENINGS SEE 21/TS-5

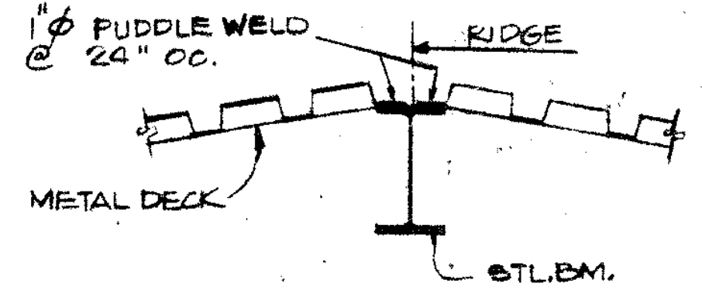
OPENING IN METAL ROOF DECK (SMALL) 18

NOTES:

1. METAL DECKING SHALL CONFORM TO ASTM A446 AND A525
2. DECKING SHALL BE CONTINUOUS OVER 3 SPANS WHERE FRAMING PERMITS
3. MINOR OPENINGS IN ROOF DECK:

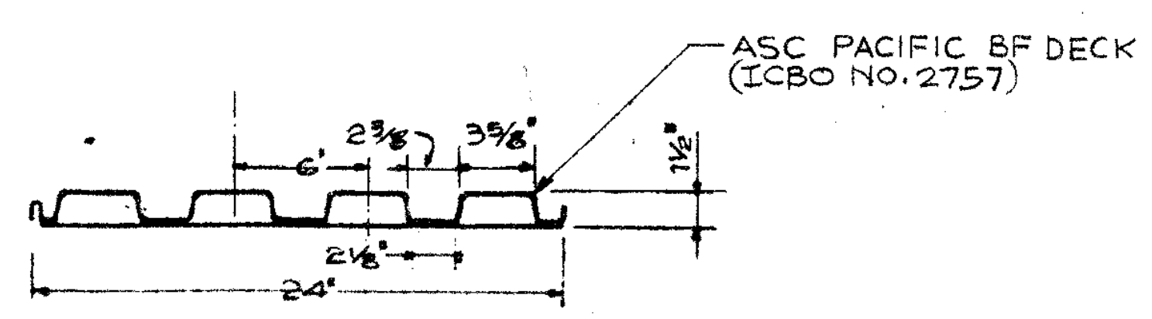

12"ϕ OR 12" SQ MAX.
METAL DECKING
16 GA. GALV. FRAME MITERED AND WELDED TO BE FURNISHED AND INSTALLED BY STEEL DECK SUB CONTRACTOR

4. TYPICAL OPENING FRAMING - SEE 21/TS5


1"ϕ PUDDLE WELD @ 24" OC.
RIDGE
METAL DECK
STL. BM.

AT RIDGE Ⓐ

5.


ASC PACIFIC BF DECK (ICBO NO. 2757)
2 3/8"
3 5/8"
1 1/2"
6"
2 1/8"
24"

DECK PROFILE

a) PROPERTIES:

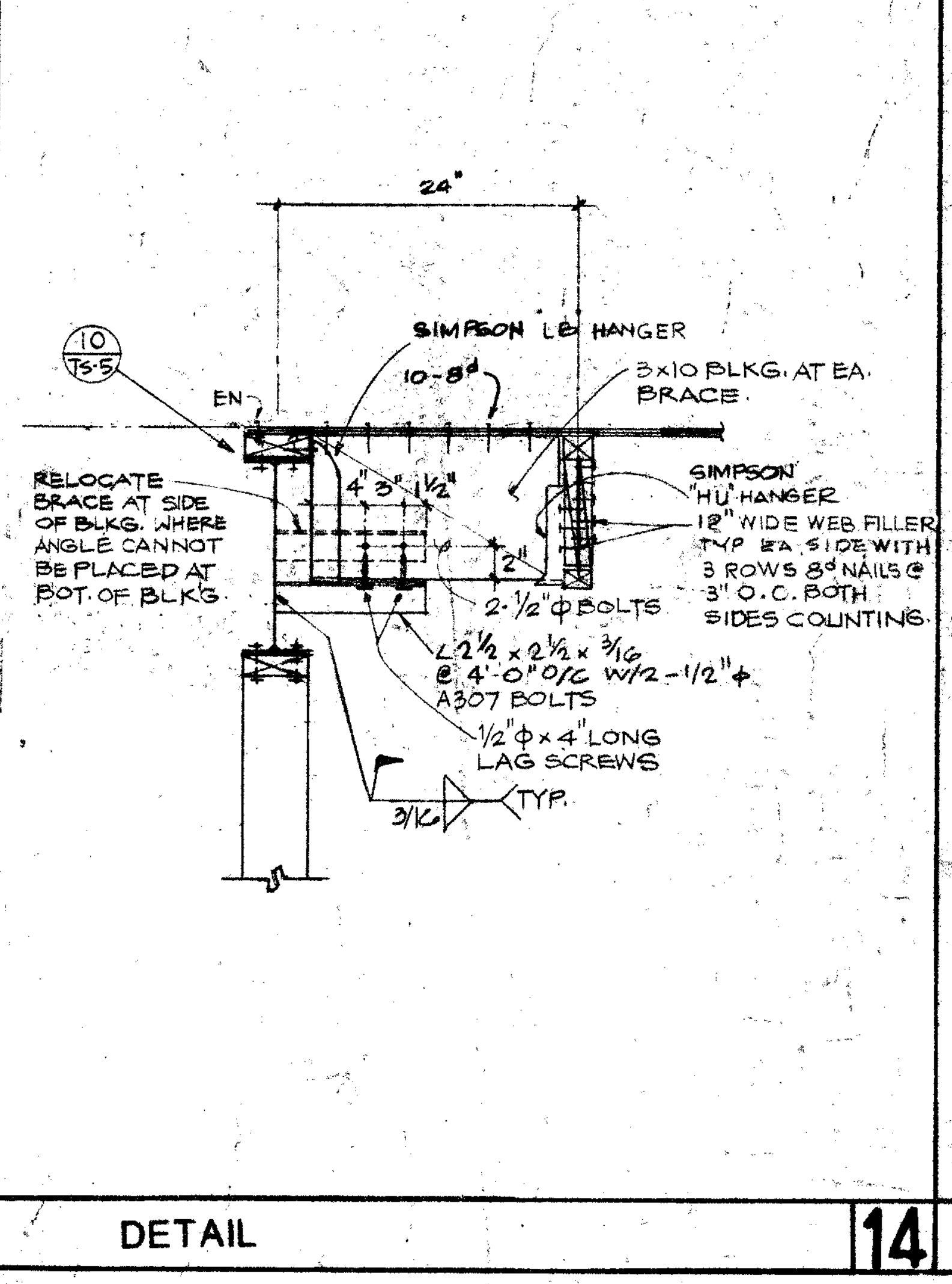
TYPE	UPPER PL. GA./LOWER PL. GA.	I_{IN^4}	$+S_{IN^3}$	$-S_{IN^3}$
ASC PACIFIC BF DECK	18/16	0.54	0.43	0.60

b.) WELDING:

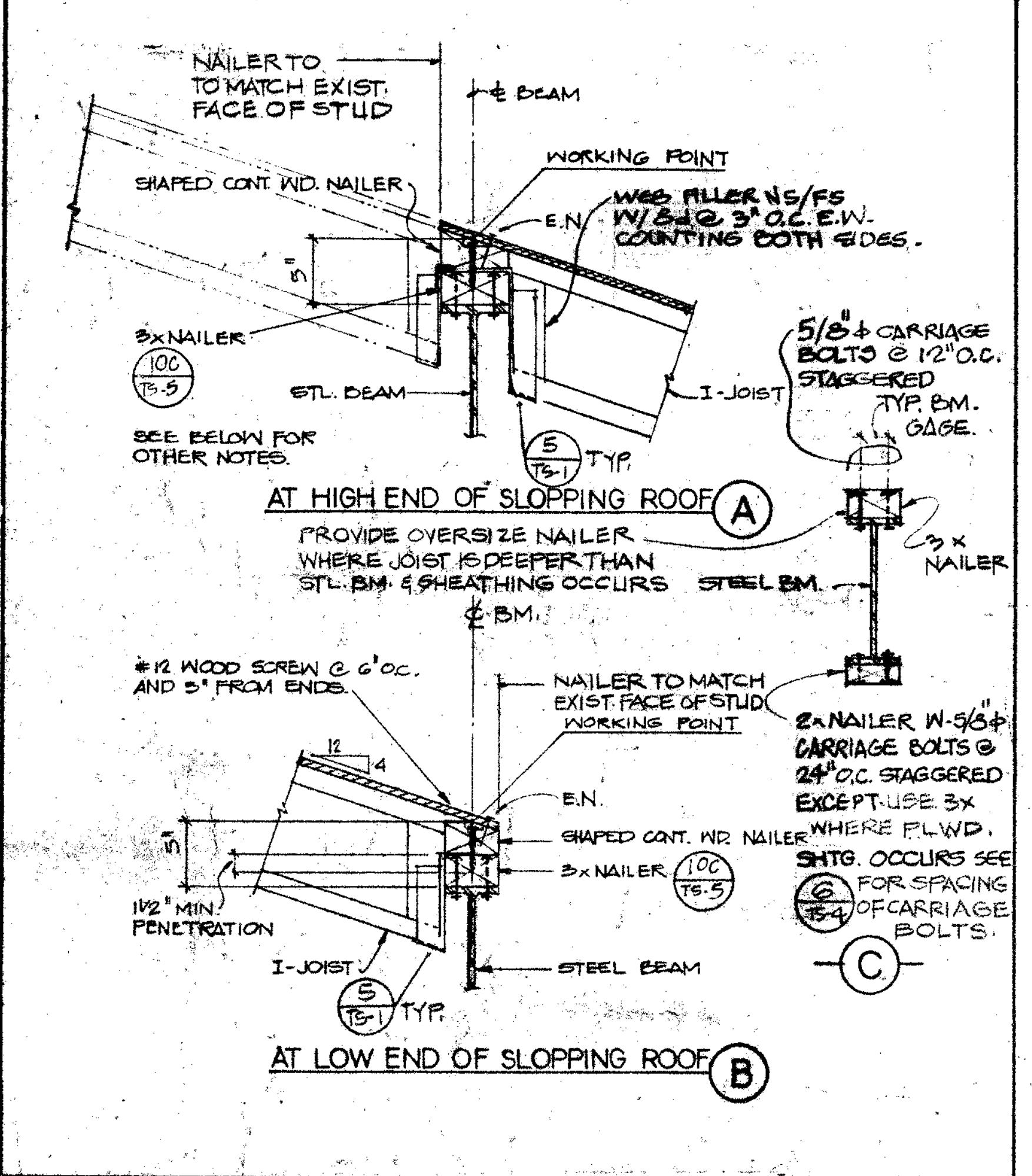
DECK WELDING AT SUPPORT
- DECK PERPENDICULAR: 1"ϕ (3/4"ϕ EFFECTIVE) PUDDLE WELD AT EA. LOWER CORRUGATION.
- DECK PARALLEL: 1"ϕ (3/4"ϕ EFFECTIVE) PUDDLE WELD AT 24" O.C.

SIDE SEAM WELD: 1 1/2" LONG TOP SEAM WELD AT 18" O.C.

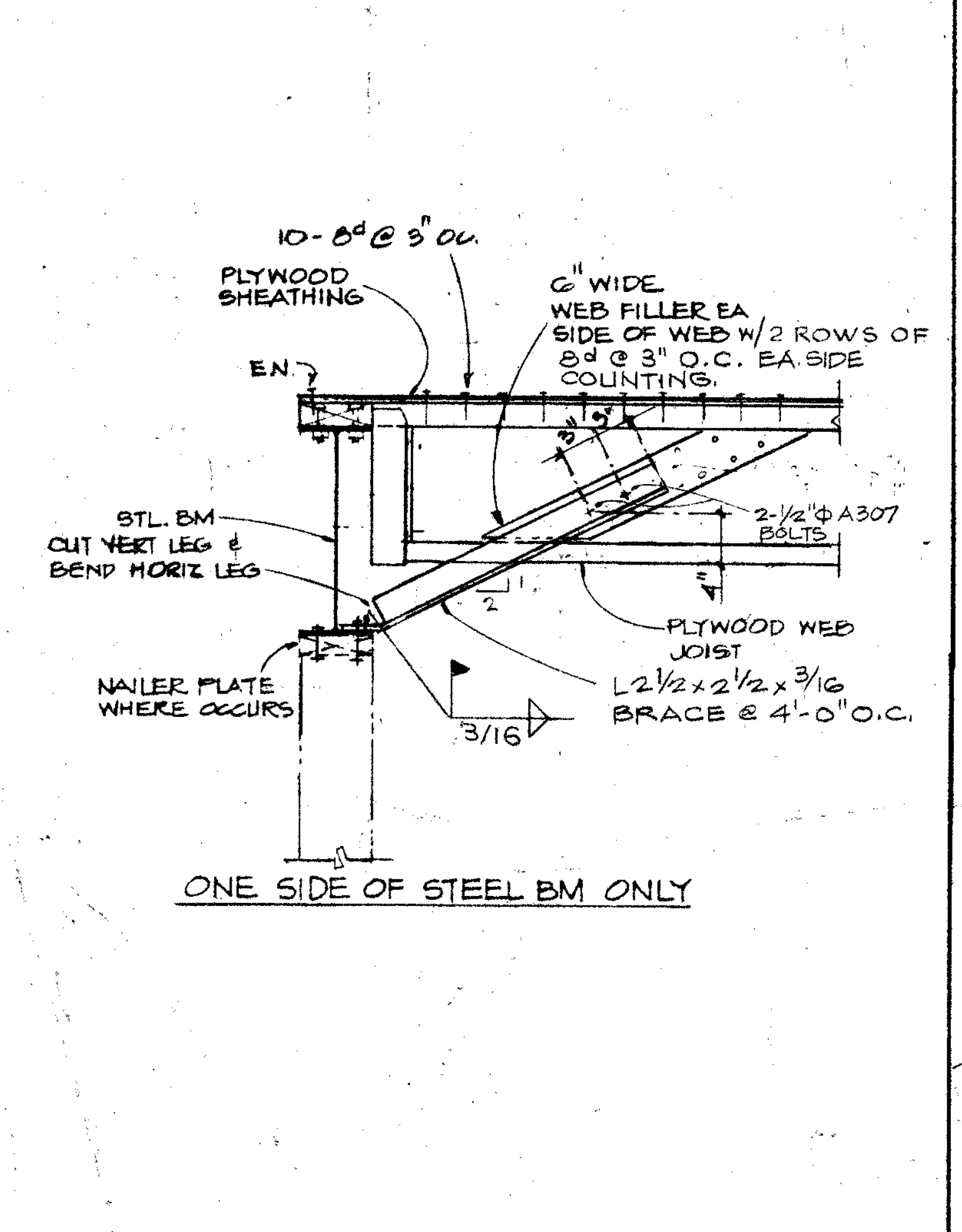
METAL ROOF DECK DETAILS 17


10/TS-5
EN.
24"
SIMPSON LB HANGER
10-8d
3x10 BLKG. AT EA. BRACE
RELOCATE BRACE AT SIDE OF BLKG. WHERE ANGLE CANNOT BE PLACED AT BOT. OF BLKG.
4 3 1/2
2 1/2
SIMPSON "HU" HANGER
12" WIDE WEB FILLER TYP. EA. SIDE WITH 3 ROWS 8d NAILS @ 3" O.C. BOTH SIDES COUNTING
L 2 1/2x2 1/2x3/16 @ 4'-0" O/C W/2-1/2"ϕ A307 BOLTS
2-1/2"ϕ BOLTS
1/2"ϕ x 4" LONG LAG SCREWS
TYP.
3/16

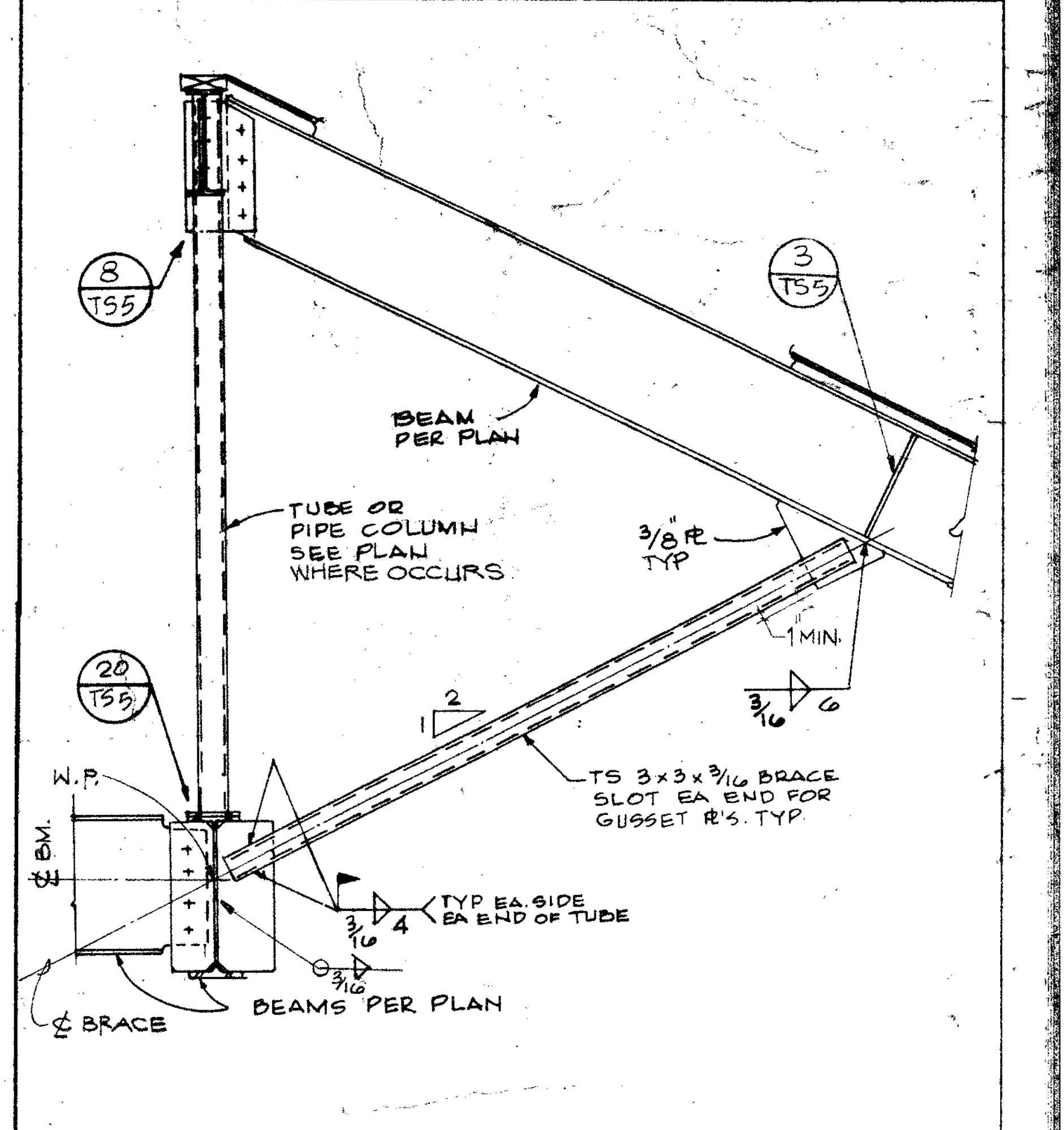
DETAIL 14


NAILER TO MATCH EXIST. FACE OF STUD
CL BEAM
WORKING POINT
SHAPED CONT. WD. NAILER
WEB FILLER N/S/FS W/ 8d @ 3" O.C. E.W. COUNTING BOTH SIDES.
E.N.
3x NAILER
10C/TS-5
STL. BEAM
I-JOIST
SEE BELOW FOR OTHER NOTES.
5/TS-1 TYP.
5/8" ϕ CARRIAGE BOLTS @ 12" O.C. STAGGERED TYP. BM. BASE.
AT HIGH END OF SLOPING ROOF A
PROVIDE OVERSIZE NAILER WHERE JOIST IS DEEPER THAN STL. BM. & SHEATHING OCCURS
STEEL BM.
CL BM.
3x NAILER
#12 WOOD SCREW @ 6" O.C. AND 3" FROM ENDS
NAILER TO MATCH EXIST. FACE OF STUD
WORKING POINT
E.N.
SHAPED CONT. WD. NAILER
3x NAILER 10C/TS-5
1 1/2" MIN. PENETRATION
I-JOIST
5/TS-1 TYP.
STEEL BEAM
2x NAILER W-5/8"ϕ CARRIAGE BOLTS @ 24" O.C. STAGGERED EXCEPT USE 3x WHERE PLWD. SHTG. OCCURS SEE C FOR SPACING OF CARRIAGE BOLTS
AT LOW END OF SLOPING ROOF B
C

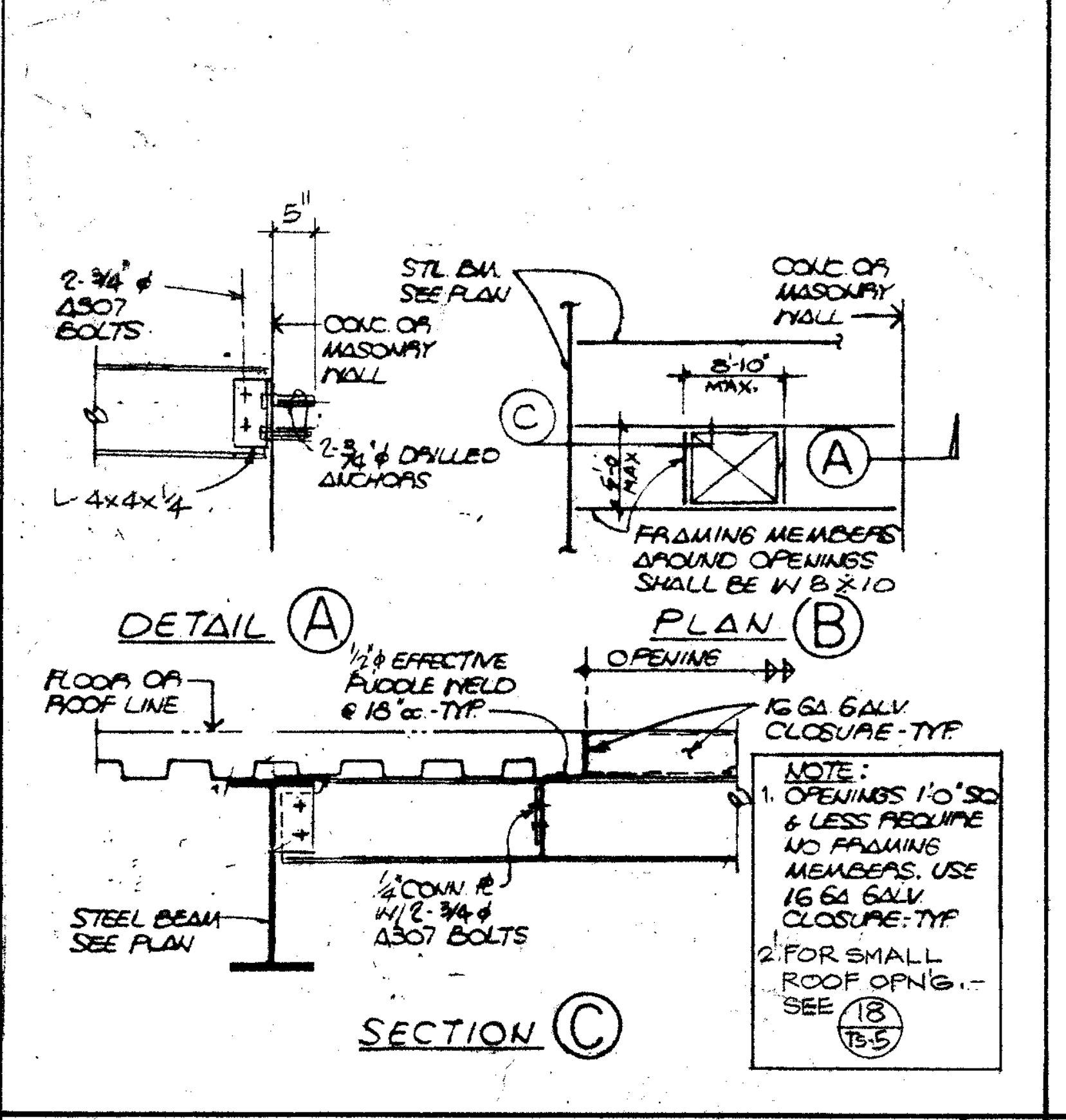
STEEL BM./NAILER DETAIL 10


10-8d @ 3" O.C.
PLYWOOD SHEATHING
6" WIDE WEB FILLER EA. SIDE OF WEB W/ 2 ROWS OF 8d @ 3" O.C. EA. SIDE COUNTING.
EN.
STL. BM.
CUT VERT LEG & BEND HORIZ LEG
2-1/2"ϕ A307 BOLTS
PLYWOOD WEB JOIST
L 2 1/2x2 1/2x3/16 BRACE @ 4'-0" O.C.
NAILER PLATE WHERE OCCURS
3/16
ONE SIDE OF STEEL BM ONLY

ROOF JOIST/STL. BM. 6

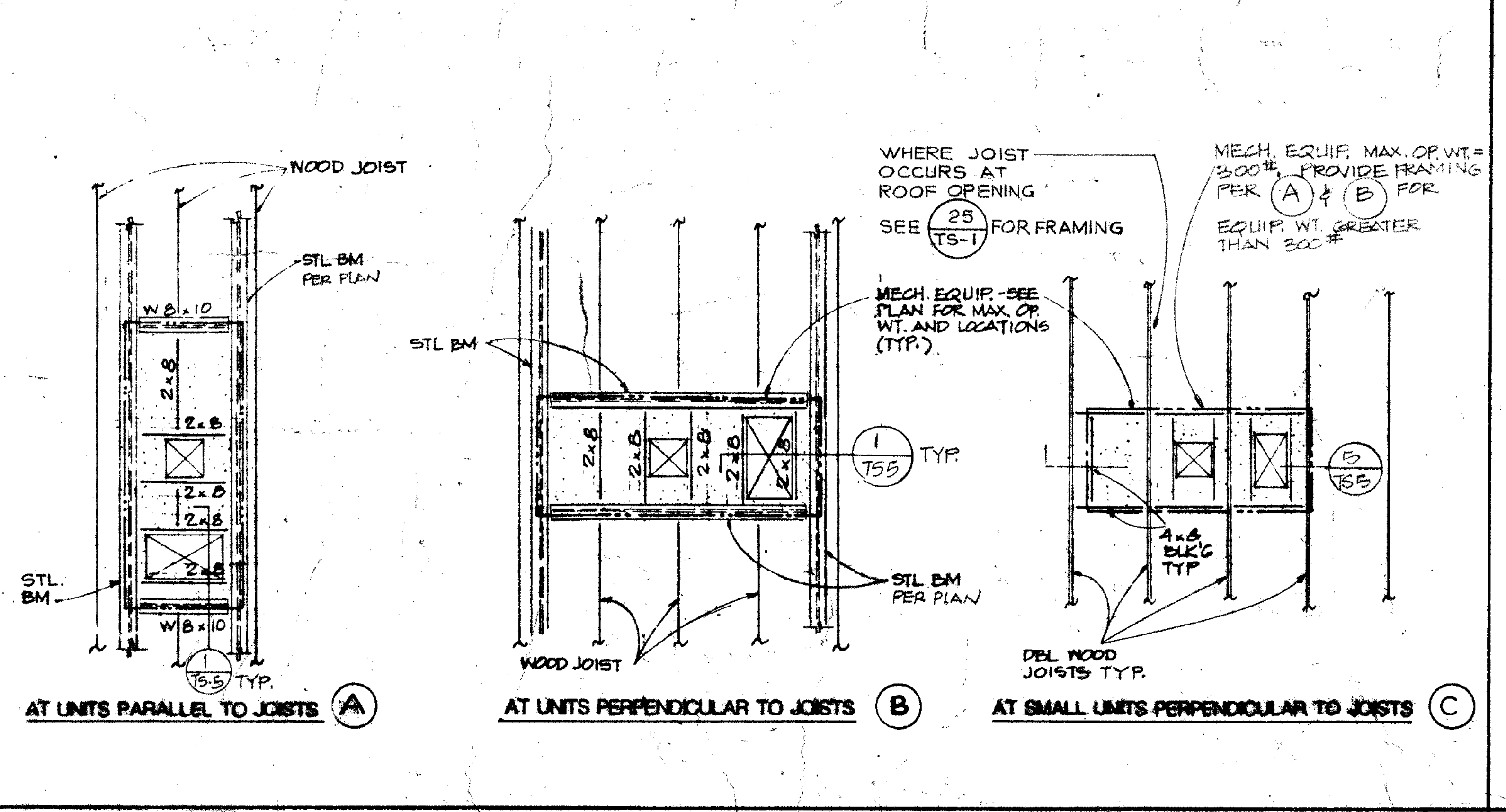

8/TS5
3/TS5
BEAM PER PLAN
TUBE OR PIPE COLUMN SEE PLAN WHERE OCCURS
3/8" PL. TYP.
20/TS5
1" MIN
6
W.P.
CL BM.
TS 3x3x3/16 BRACE SLOT EA. END FOR GUSSET PL.'S, TYP.
TYP. EA. SIDE EA. END OF TUBE
3/16 4
6
CL BRACE
BEAMS PER PLAN

BRACING DETAIL 2

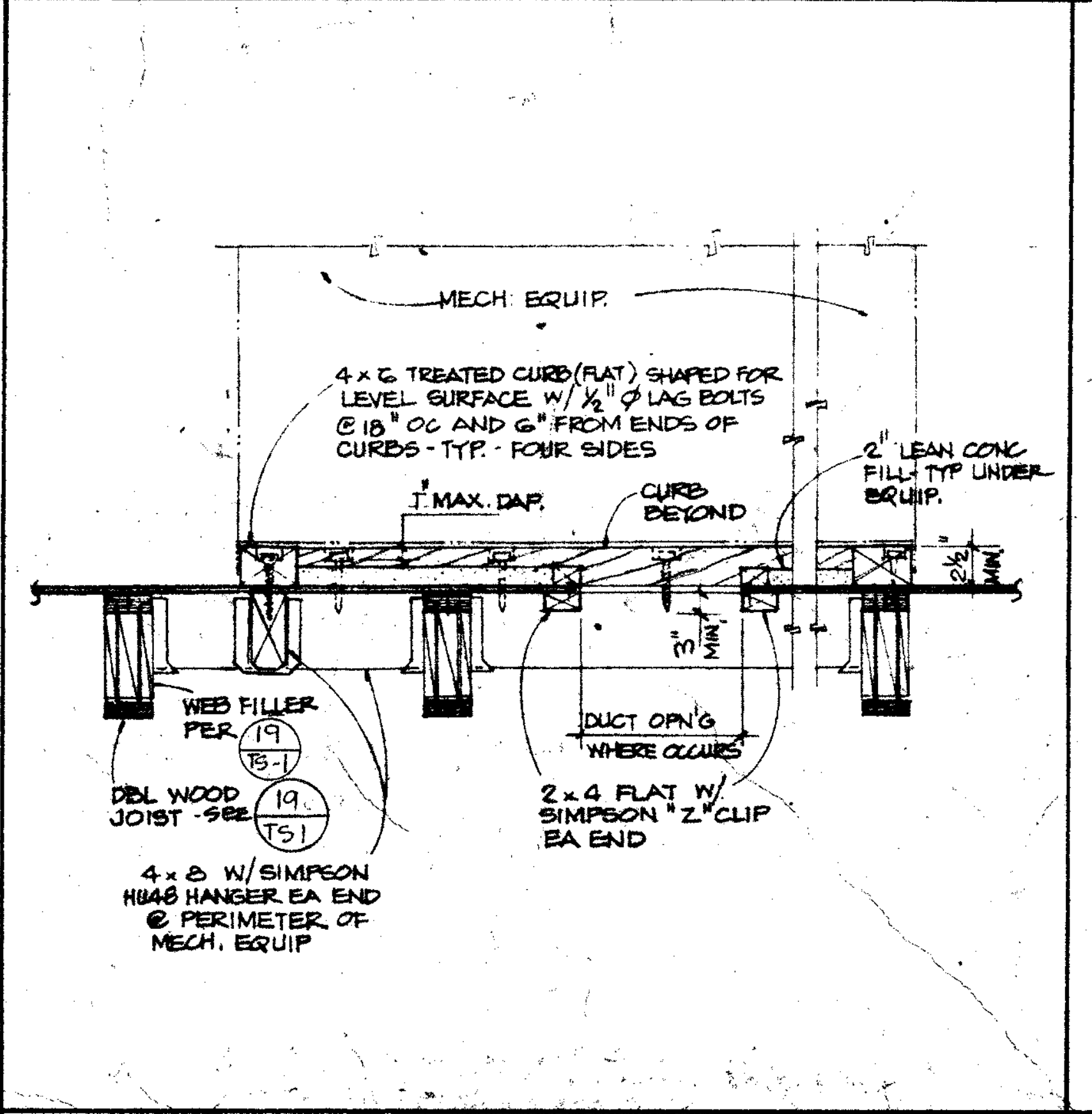

2-3/4"ϕ A307 BOLTS
5"
STL. BM. SEE PLAN
CONC. OR MASONRY WALL
CONC. OR MASONRY WALL
C
5'-10" MAX.
A
2-3/4"ϕ DRILLED ANCHORS
L 4x4x1/4
FRAMING MEMBERS AROUND OPENINGS SHALL BE W8x10
DETAIL A
PLAN B
FLOOR OR ROOF LINE
3/4" EFFECTIVE PUDDLE WELD @ 18" oc. - TYP.
OPENING
16 GA. GALV CLOSURE - TYP.
1/4" CONN PL. W/2-3/4"ϕ A307 BOLTS
STEEL BEAM SEE PLAN
SECTION C

NOTE:
1. OPENINGS 1'-0" SQ. & LESS REQUIRE NO FRAMING MEMBERS. USE 16 GA. GALV. ANGLE FRAME - TYP.
2. FOR SMALL ROOF OPNG. - SEE 18/TS-5

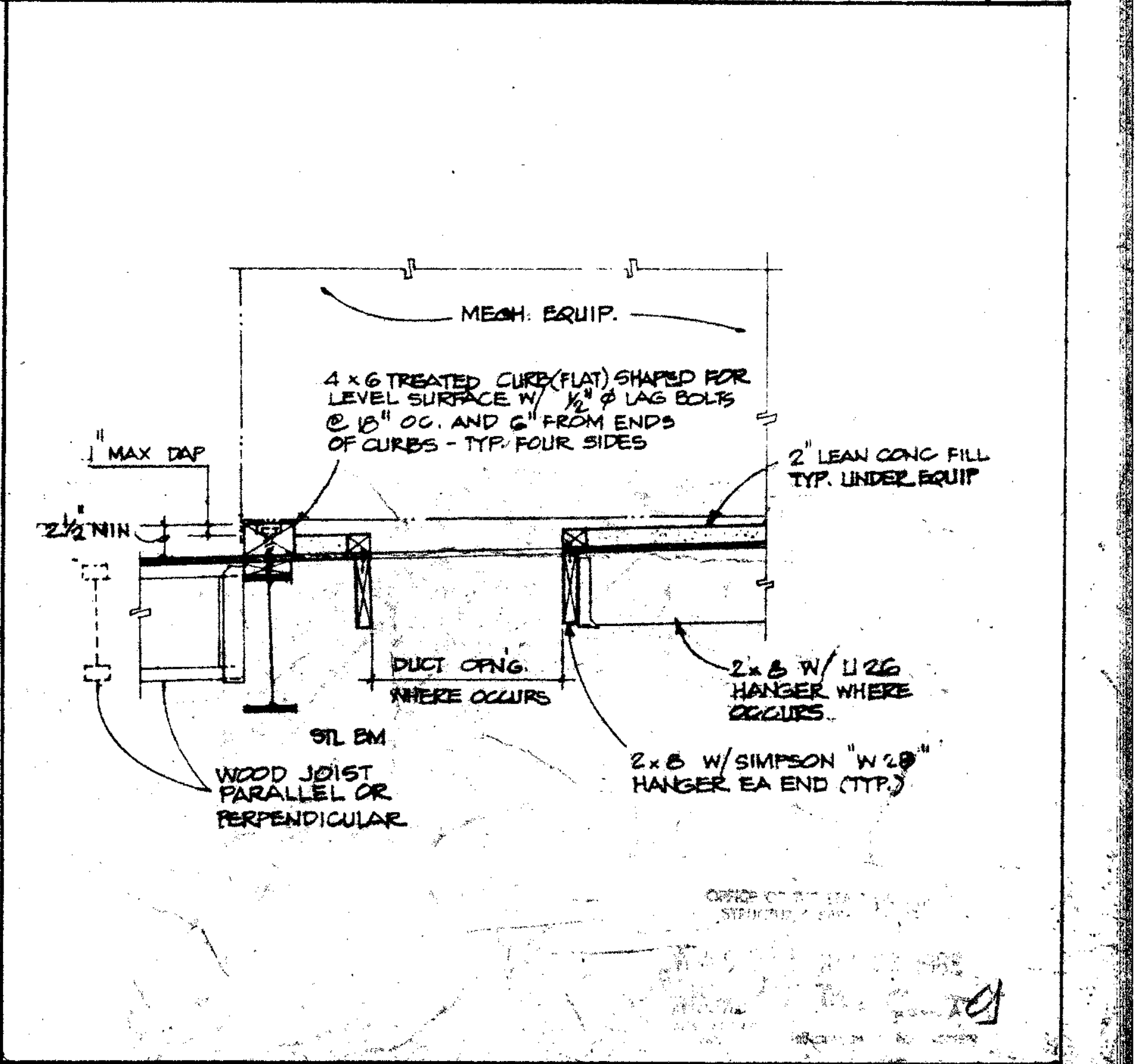
OPN'G FRAMING AT METAL ROOF DECK 21


WOOD JOIST
STL. BM. PER PLAN
W8x10
2x8
2x8
2x8
STL. BM.
W8x10
TYP.
AT UNITS PARALLEL TO JOISTS A
WHERE JOIST OCCURS AT ROOF OPENING SEE 25/TS-1 FOR FRAMING
STL. BM.
MECH. EQUIP. - SEE PLAN FOR MAX. OP. WT. AND LOCATIONS (TYP.)
1/TS5 TYP.
STL. BM. PER PLAN
WOOD JOIST
AT UNITS PERPENDICULAR TO JOISTS B
MECH. EQUIP. MAX. OP. WT. = 300# PROVIDE FRAMING PER A & B
EQUIP. WT. GREATER THAN 300#
5/TS5
4x8 BLK'G TYP.
DBL. WOOD JOISTS TYP.
AT SMALL UNITS PERPENDICULAR TO JOISTS C

PLAN DETAILS - MECHANICAL EQUIPMENT PADS 9


MECH. EQUIP.
4x6 TREATED CURB (FLAT) SHAPED FOR LEVEL SURFACE W/ 1/2"ϕ LAG BOLTS @ 18" OC AND 6" FROM ENDS OF CURBS - TYP. - FOUR SIDES
2" LEAN CONC. FILL - TYP. UNDER EQUIP.
1" MAX. DAP.
CURB BEYOND
WEB FILLER PER 19/TS-1
DBL. WOOD JOIST - SEE 19/TS-1
DUCT OPN'G WHERE OCCURS
2x4 FLAT W/ SIMPSON "Z" CLIP EA. END
4x8 W/ SIMPSON H166 HANGER EA. END @ PERIMETER OF MECH. EQUIP.

SECTION - MECH'L EQUIPMENT PADS 5


MECH. EQUIP.
4x6 TREATED CURB (FLAT) SHAPED FOR LEVEL SURFACE W/ 1/2"ϕ LAG BOLTS @ 18" OC. AND 6" FROM ENDS OF CURBS - TYP. FOUR SIDES
1" MAX. DAP
2 1/2" MIN.
2" LEAN CONC. FILL TYP. UNDER EQUIP.
DUCT OPN'G WHERE OCCURS
2x8 W/ U26 HANGER WHERE OCCURS
STL. BM.
WOOD JOIST PARALLEL OR PERPENDICULAR
2x8 W/ SIMPSON "W28" HANGER EA. END (TYP.)

ROOF DUCT OPENING DETAIL 1

Drawn By MN
Checked By SRU
Date MAR 1988
Commission No. 1-30-05
Revisions
B10 JANUARY 1991

Brandow & Johnston Assoc.
Structural Engineers

No. 956
EXP. 12-31-88

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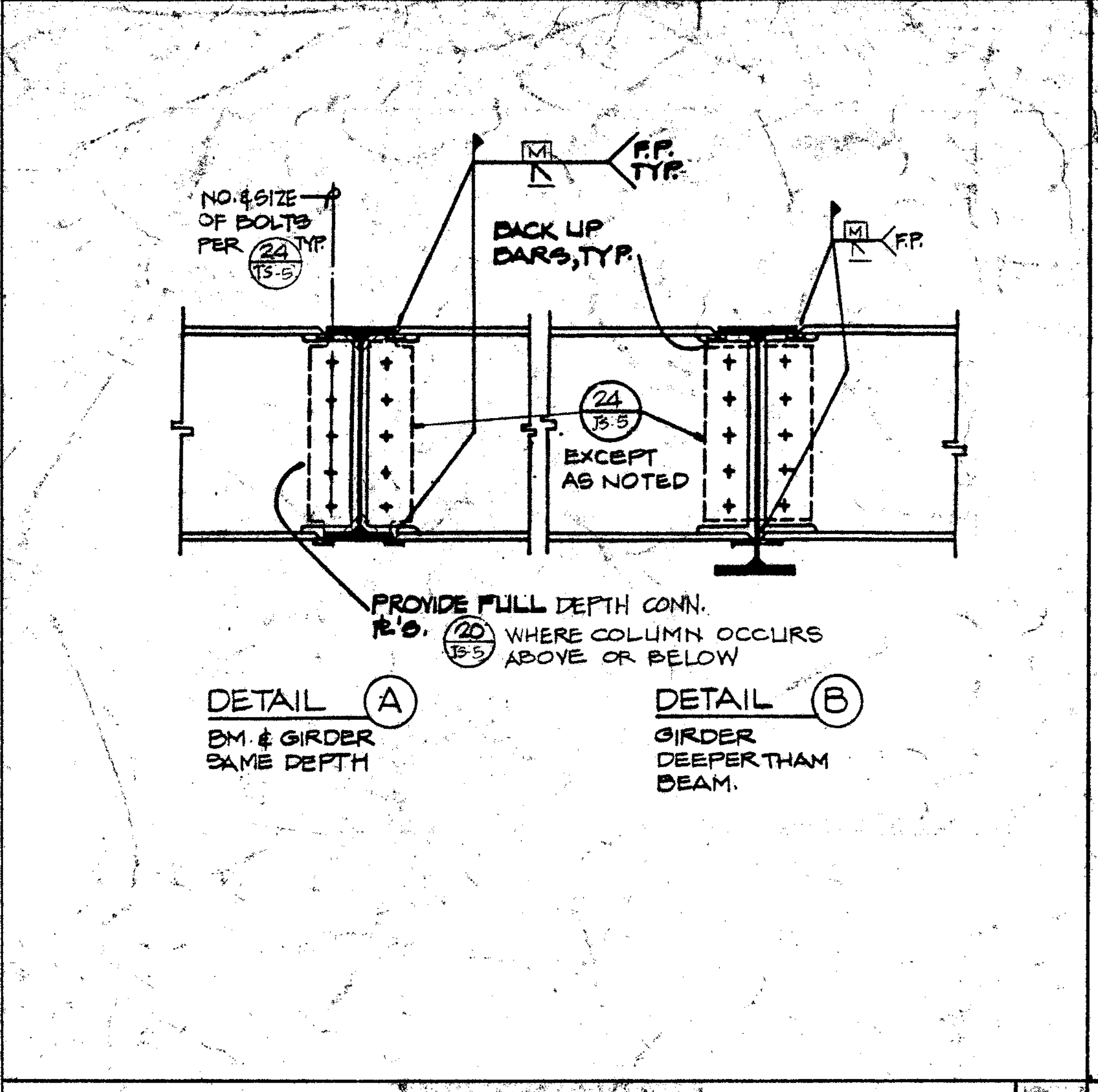
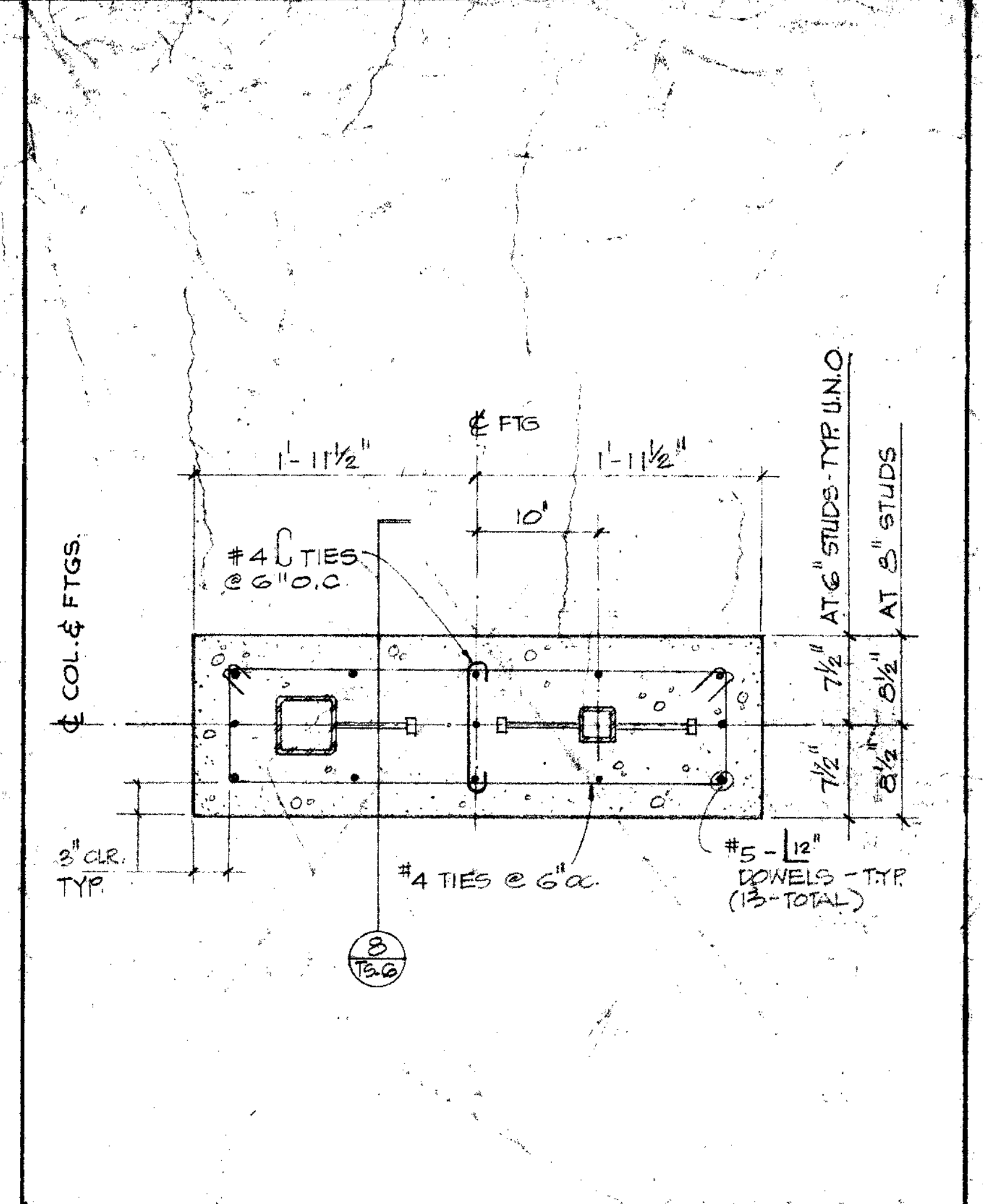
West Hills High School
Grossmont Union High School District
San Diego, Ca
San Diego County

TYPICAL DETAILS

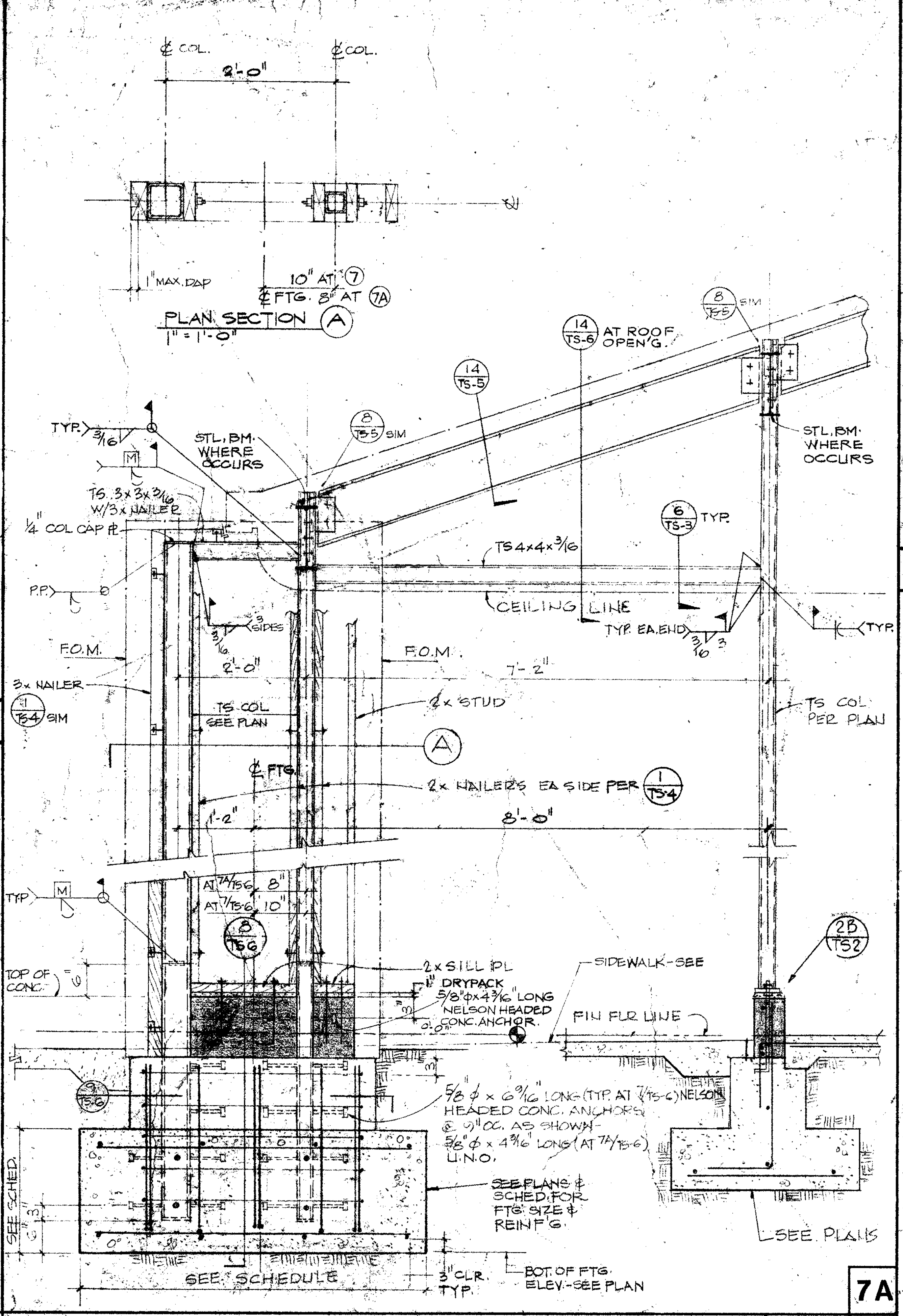
Sheet Number
TS-5
Sheets


NO. & SIZE OF BOLTS PER 24/TS-6
F.P. TYP.
BACK UP BARS, TYP.
F.P.
24/TS-5 EXCEPT AS NOTED
PROVIDE FULL DEPTH CONN. PL'S. 20/TS-5 WHERE COLUMN OCCURS ABOVE OR BELOW
DETAIL A
BM. & GIRDER SAME DEPTH
DETAIL B
GIRDER DEEPER THAN BEAM.

MOMENT CONN. 15

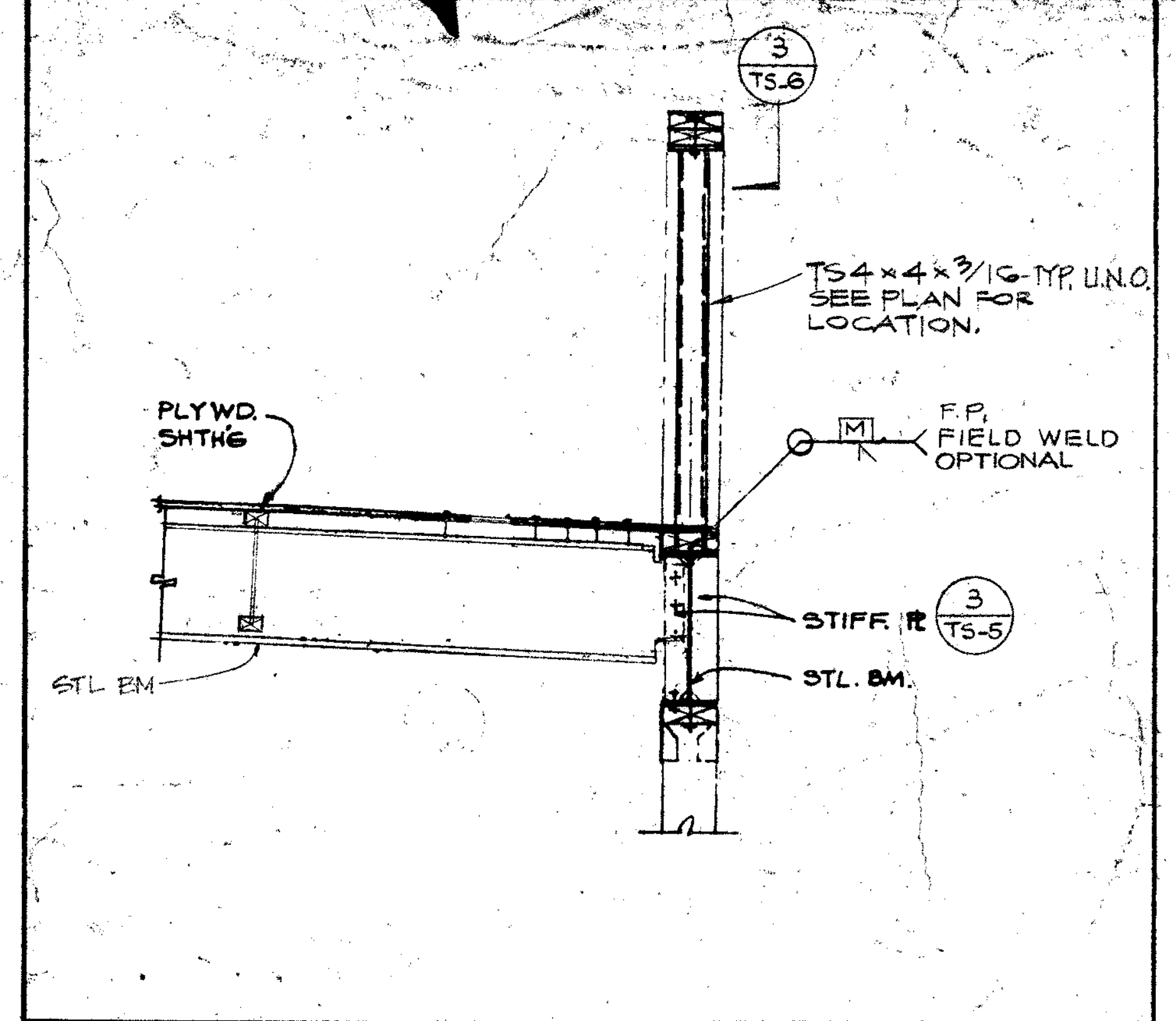

℄ FTG
1'-11½"
1'-11½"
10"
#4 C TIES @ 6" O.C.
℄ COL. & FTGS.
AT 6" STUDS - TYP. U.N.O.
AT 8" STUDS
3" CLR. TYP.
#4 TIES @ 6" O.C.
"5 - ½" DOWELS - TYP. (15 - TOTAL)
8/TS-6

PLAN SECTION — SCALE 1½"=1'-0" 9

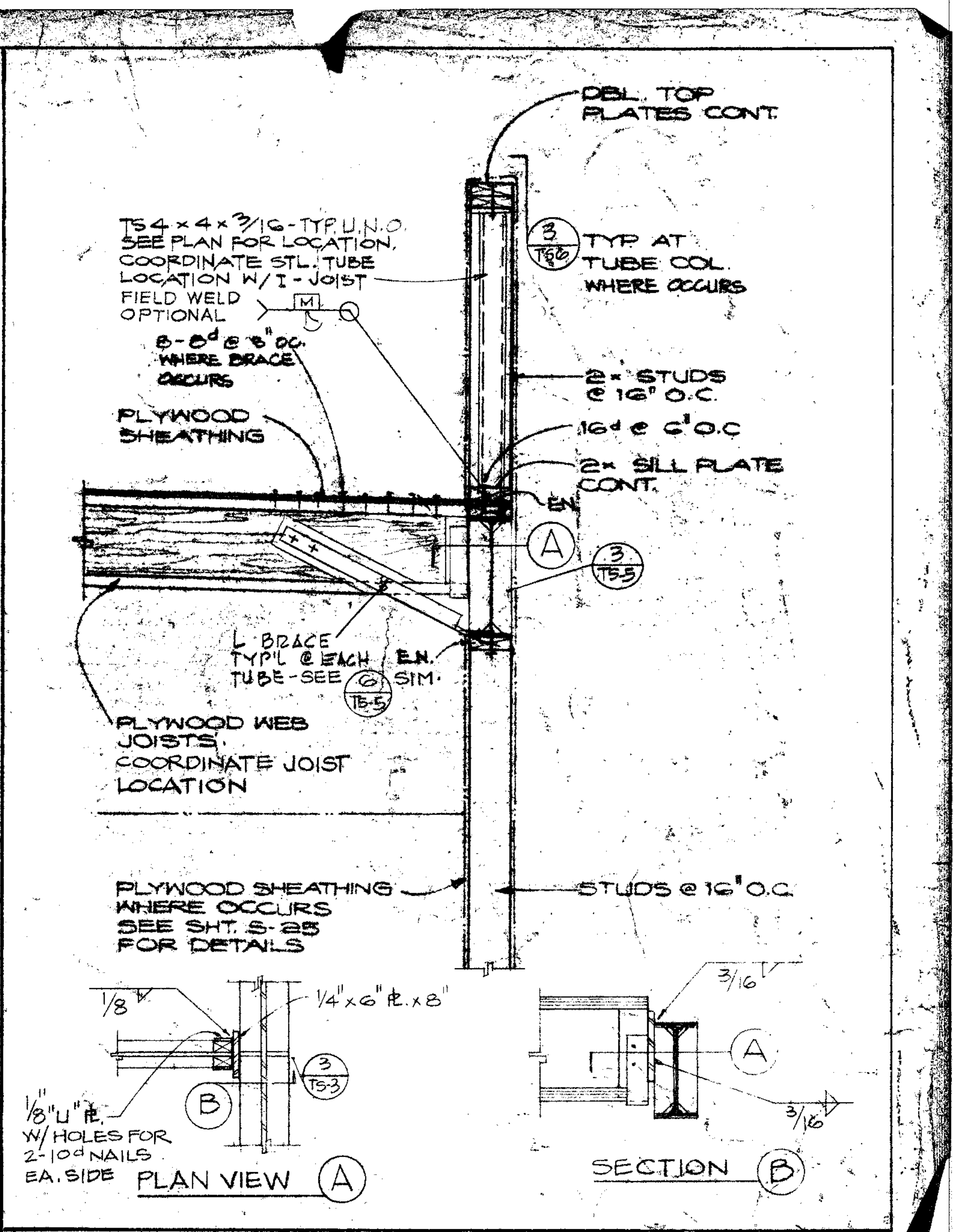

℄ COL.
2'-0"
℄ COL.
1" MAX. GAP
10" AT 7
℄ FTG. 8" AT 7A
PLAN SECTION A
1" = 1'-0"
14/TS-6 AT ROOF OPEN'G.
14/TS-5
8/TS-5 SIM
STL. BM. WHERE OCCURS
TS 3×3×3/16 W/3× NAILER
½" COL CAP PL
TS4×4×3/16
6/TS-3 TYP.
CEILING LINE
TYP. EA. END
F.O.M.
3× NAILER
1/TS-4 SIM
TS COL. SEE PLAN
4× STUD
TS COL. PER PLAN
2× NAILERS EA. SIDE PER 1/TS-4
8'-0"
℄ FTG.
1'-2"
2× SILL PL.
1" DRYPACK
5/8"φ×4 3/16 LONG NELSON HEADED CONC. ANCHOR
SIDEWALK - SEE
2B/TS-2
FIN. FLR. LINE
TOP OF CONC.
5/8"φ × 6 3/16 LONG (TYP. AT 7/TS-6) NELSON HEADED CONC. ANCHORS @ 9" O.C. AS SHOWN 5/8"φ × 4 3/16 LONG (AT 7A/TS-6) U.N.O.
SEE PLANS & SCHED. FOR FTG. SIZE & REINF.
SEE SCHED.
SEE SCHEDULE
3" CLR. TYP.
BOT. OF FTG. ELEV. - SEE PLAN
SEE PLANS

7A

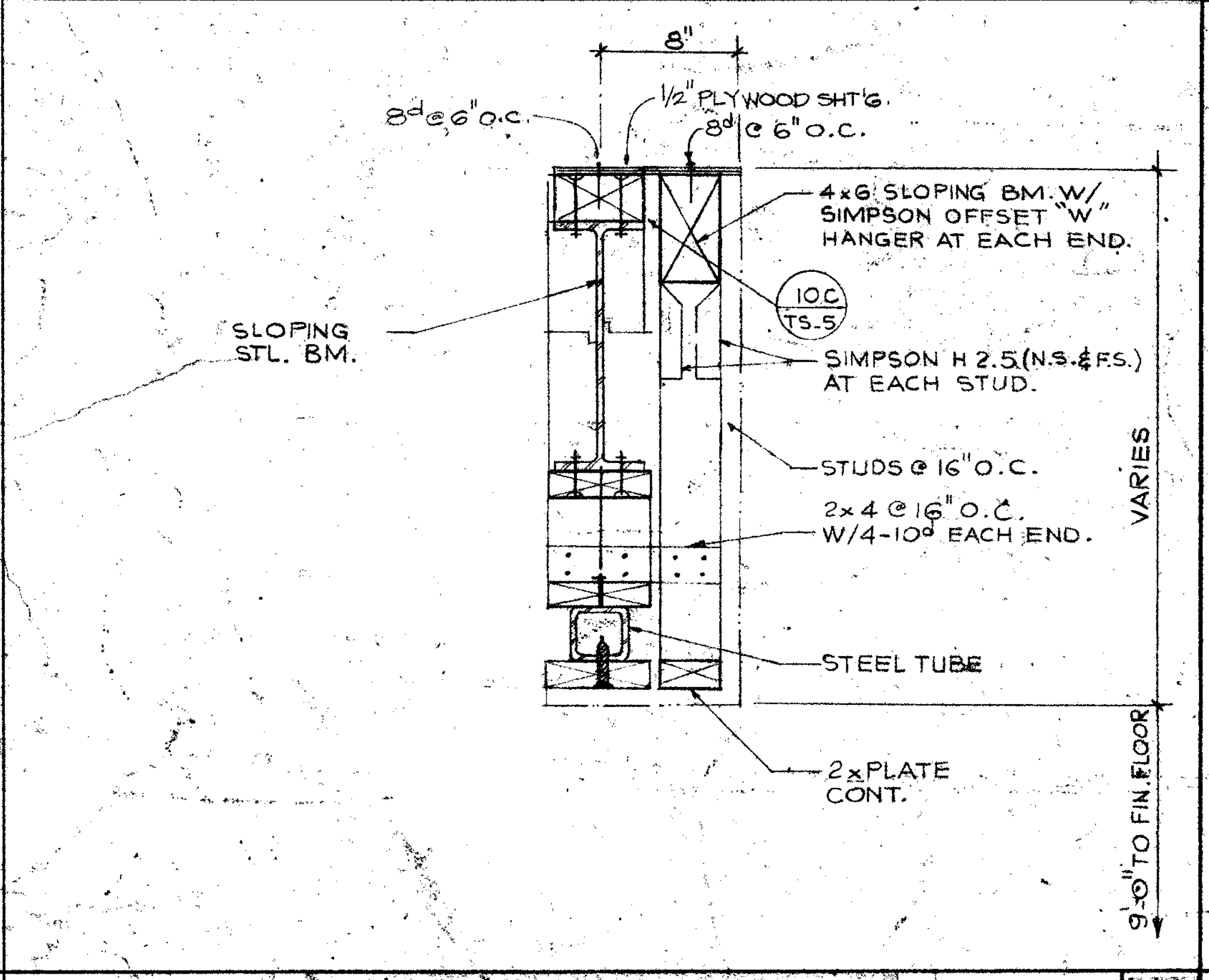
SECTION AT PIER — SCALE ¾"=1'-0" 7


3/TS-6
TS 4×4×3/16 TYP. U.N.O. SEE PLAN FOR LOCATION.
PLYWD. SHTHG
F.P. FIELD WELD OPTIONAL
STIFF. PL 3/TS-5
STL. BM.
STL. BM.

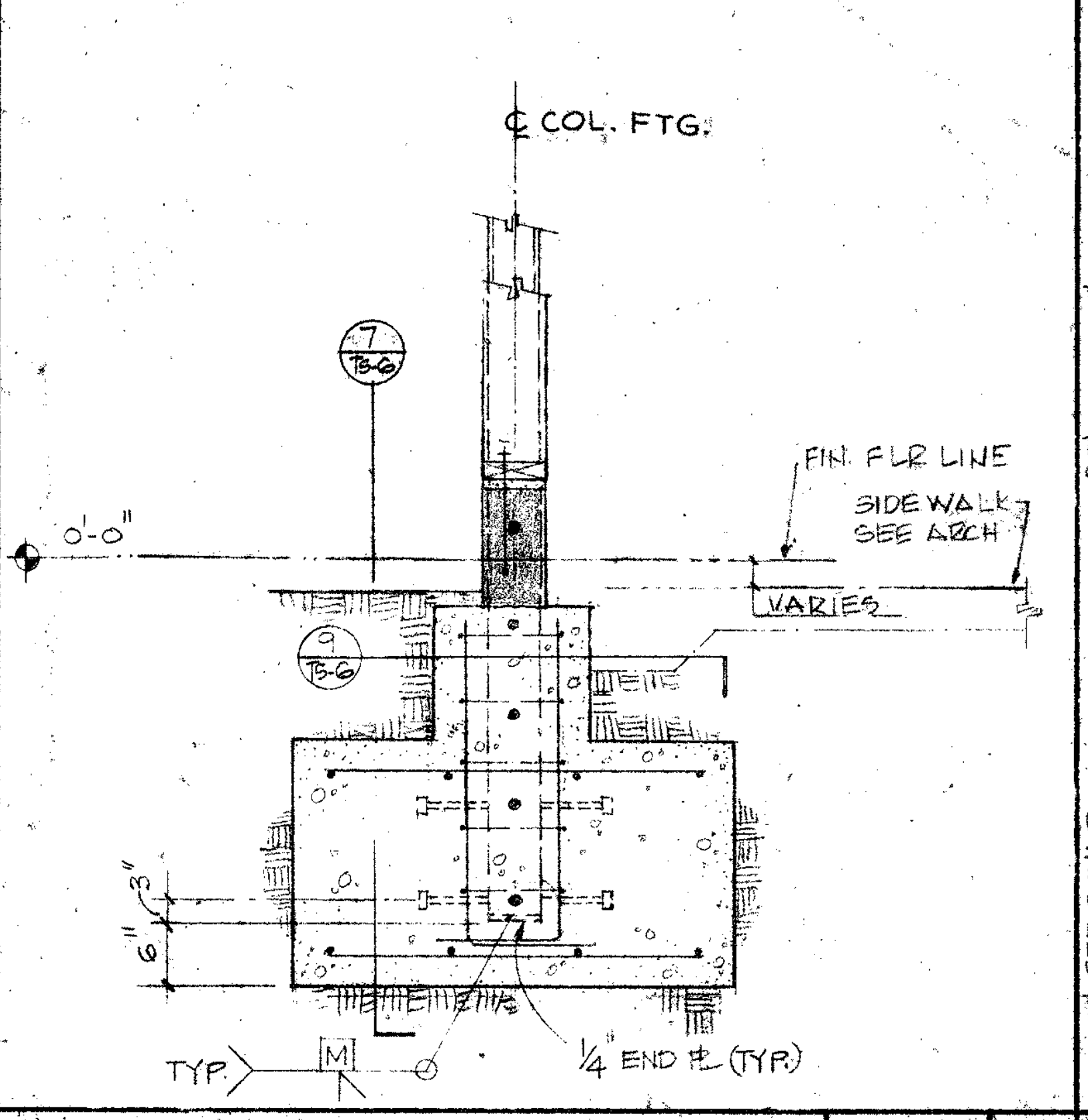
PARAPET SUPPORT DETAIL 5


DBL. TOP PLATES CONT.
TS 4×4×3/16 - TYP. U.N.O. SEE PLAN FOR LOCATION. COORDINATE STL. TUBE LOCATION W/ I-JOIST
FIELD WELD OPTIONAL
8-8d @ 6" O.C. WHERE BRACE OCCURS
3/TS-6 TYP. AT TUBE COL. WHERE OCCURS
2× STUDS @ 16" O.C.
16d @ 6" O.C.
2× SILL PLATE CONT.
PLYWOOD SHEATHING
E.N.
A
3/TS-5
L BRACE TYP. L EACH E.N. TUBE - SEE 3/TS-5 SIM.
PLYWOOD WEB JOISTS COORDINATE JOIST LOCATION
PLYWOOD SHEATHING WHERE OCCURS SEE SHT. S-25 FOR DETAILS
STUDS @ 16" O.C.
⅛
½"×6" PL×8
3/16
B
A
½" "U" PL W/ HOLES FOR 2-10d NAILS EA. SIDE
PLAN VIEW A
SECTION B

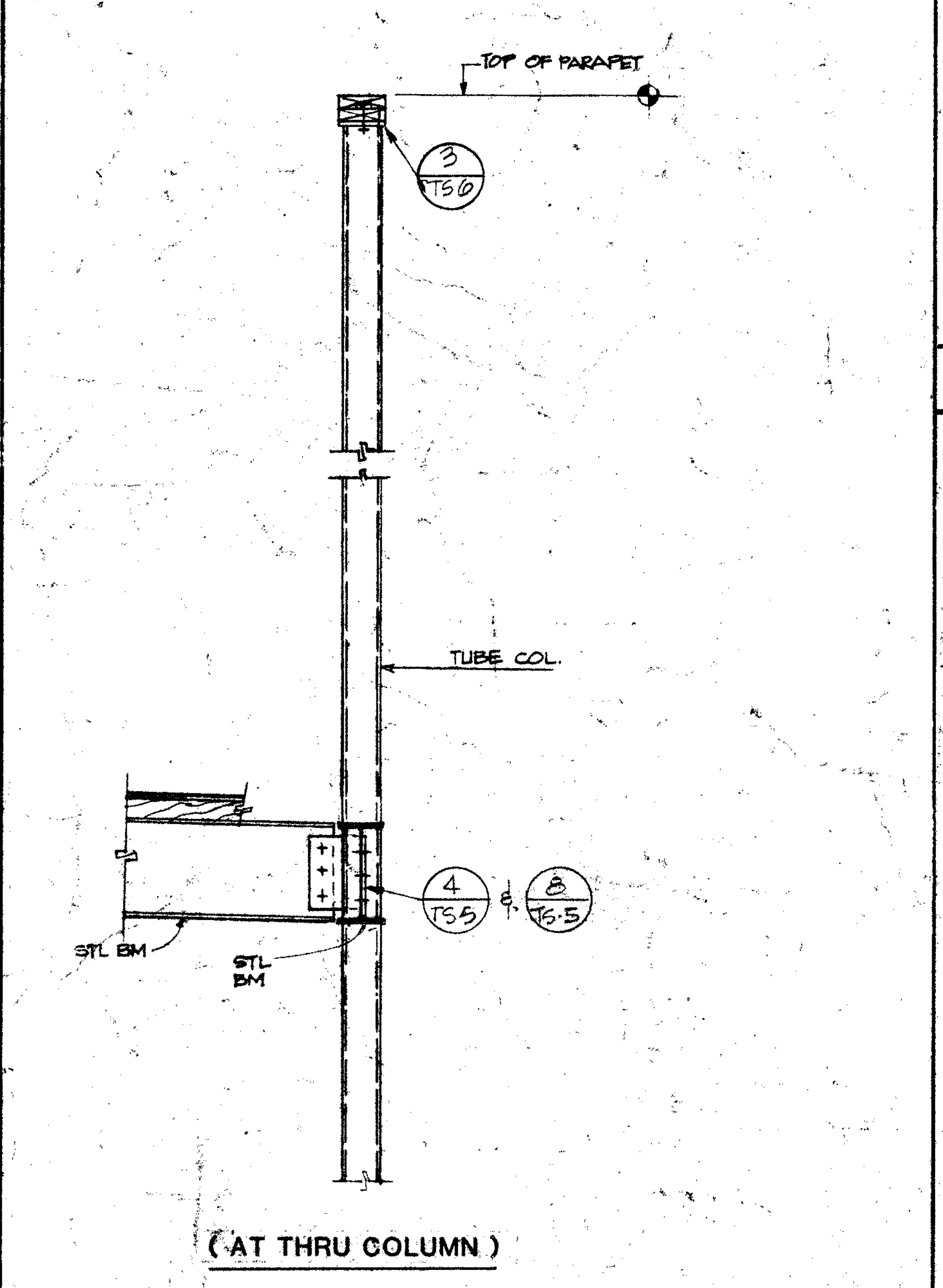
PARAPET SUPPORT DETAIL 2


8"
8d @ 6" O.C.
½" PLYWOOD SHT'G.
8d @ 6" O.C.
4×6 SLOPING BM. W/ SIMPSON OFFSET "W" HANGER AT EACH END.
SLOPING STL. BM.
10C/TS-5
SIMPSON H 2.5 (N.S. & F.S.) AT EACH STUD.
STUDS @ 16" O.C.
2×4 @ 16" O.C. W/4-10d EACH END.
VARIES
STEEL TUBE
2×PLATE CONT.
9'-0" TO FIN. FLOOR

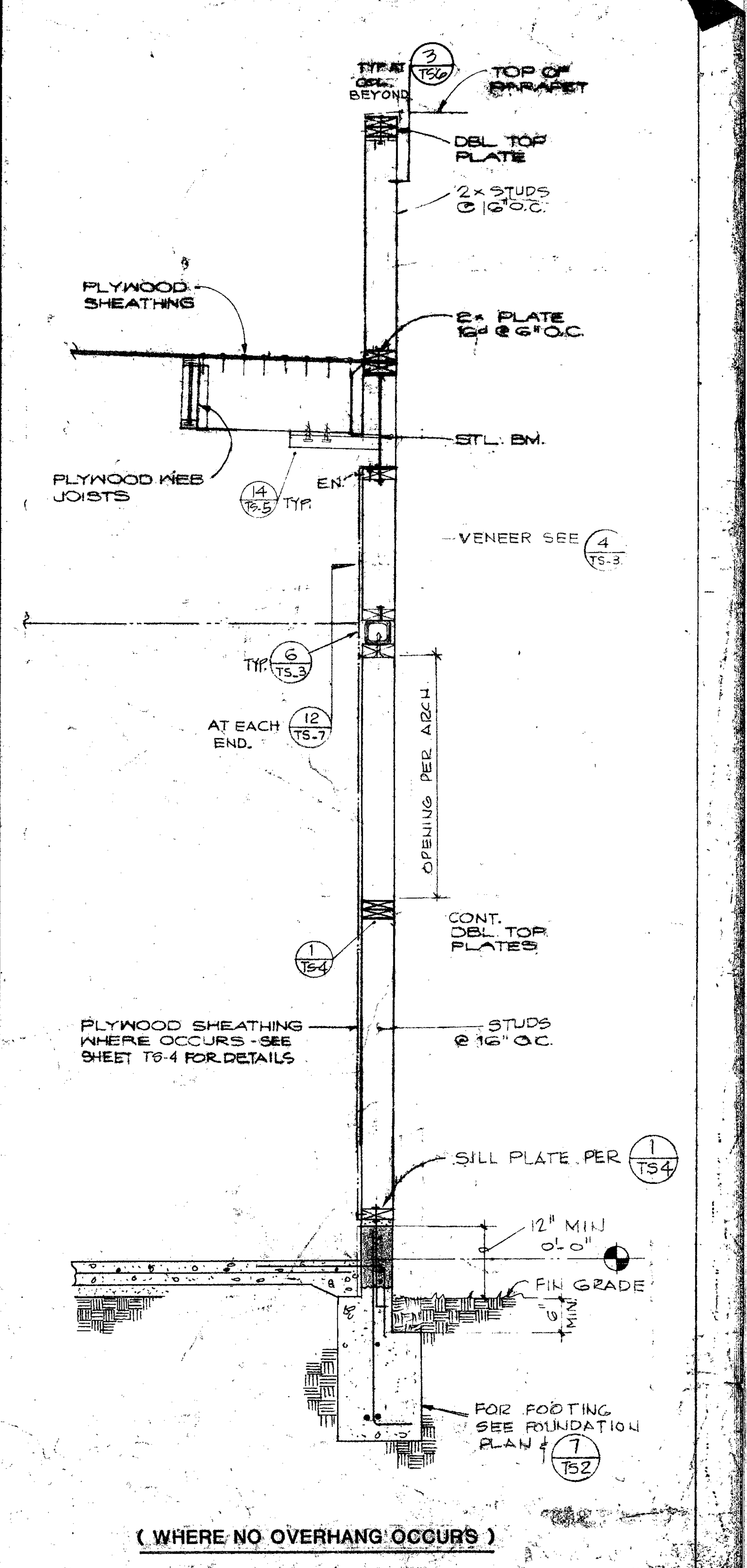
TYP. SECTION THRU END WALL 14


℄ COL. FTG.
7/TS-6
FIN. FLR. LINE
SIDEWALK SEE ARCH
0'-0"
VARIES
6"
3"
TYP.
¼" END PL (TYP.)

SECTION — SCALE ¾"=1'-0" 8

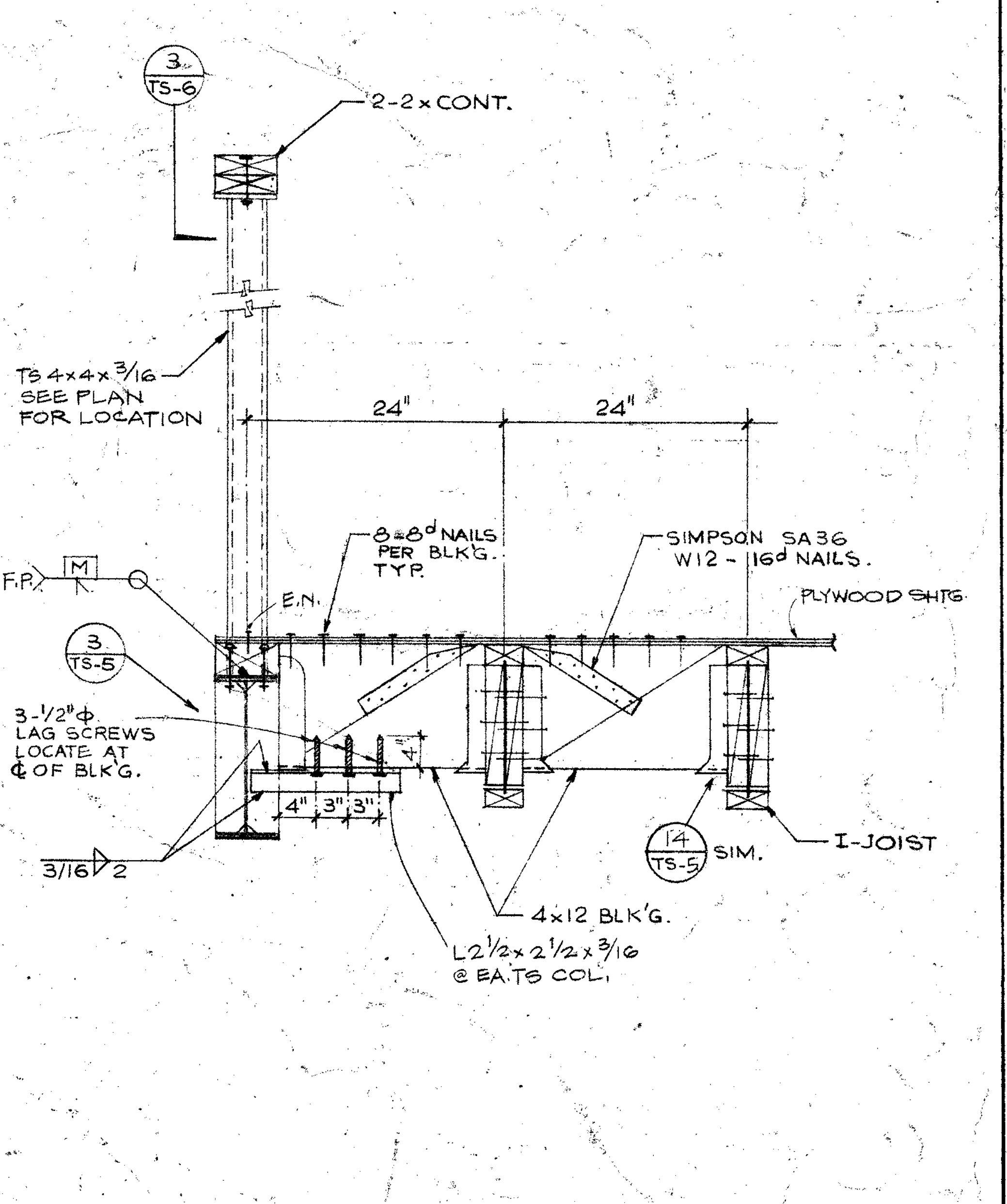

TOP OF PARAPET
3/TS-6
TUBE COL.
4/TS-5 & 8/TS-5
STL. BM.
STL. BM.
(AT THRU COLUMN)

COLUMN DETAIL AT PARAPET 4

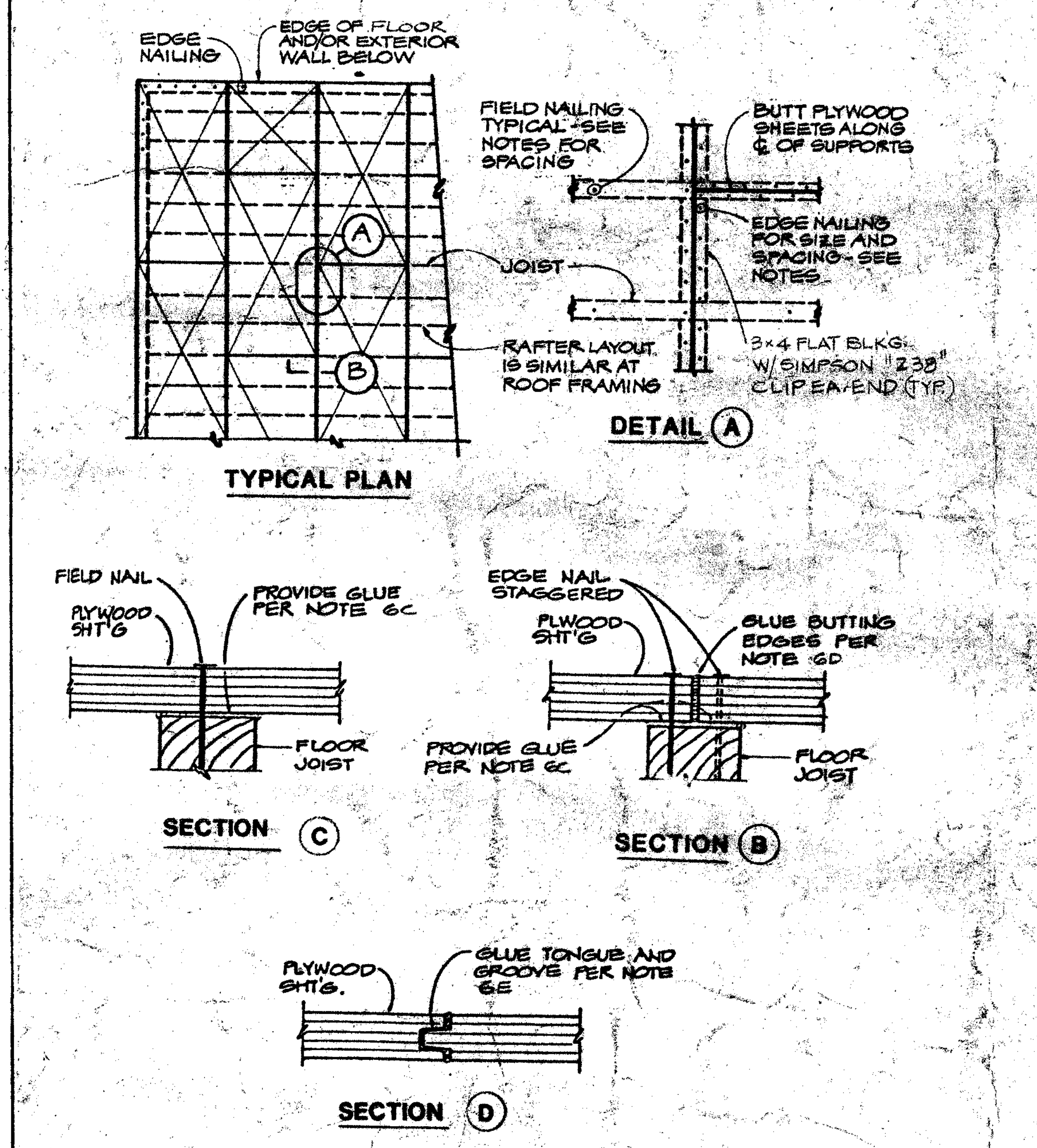

TYP. AT CORNER BEYOND 3/TS-6
TOP OF PARAPET
DBL. TOP PLATE
2× STUDS @ 16" O.C.
PLYWOOD SHEATHING
2× PLATE 16d @ 6" O.C.
STL. BM.
PLYWOOD WEB JOISTS
14/TS-5 TYP.
E.N.
VENEER SEE 4/TS-3
TYP. 6/TS-3
AT EACH END. 12/TS-7
OPENING PER ARCH.
CONT. DBL. TOP PLATES
1/TS-4
PLYWOOD SHEATHING WHERE OCCURS - SEE SHEET TS-4 FOR DETAILS
STUDS @ 16" O.C.
SILL PLATE PER 1/TS-4
12" MIN. 0'-0"
FIN. GRADE
FOR FOOTING SEE FOUNDATION PLAN 7/TS-2

(WHERE NO OVERHANG OCCURS)

EXTERIOR WALL SECTION 1


3/TS-6
2-2× CONT.
TS 4×4×3/16 SEE PLAN FOR LOCATION
24"
24"
8-8d NAILS PER BLK'G. TYP.
SIMPSON SA36 W12 - 16d NAILS.
PLYWOOD SHT'G.
F.P.
E.N.
3/TS-5
3-½"φ LAG SCREWS LOCATE AT ℄ OF BLK'G.
4" 3" 3"
14/TS-5 SIM.
I-JOIST
3/16
4×12 BLK'G.
L2½×2½×3/16 @ EA. TS COL.

DETAIL 12


EDGE NAILING
EDGE OF FLOOR AND/OR EXTERIOR WALL BELOW
A
B
FIELD NAILING TYPICAL - SEE NOTES FOR SPACING
JOIST
RAFTER LAYOUT IS SIMILAR AT ROOF FRAMING
TYPICAL PLAN
BUTT PLYWOOD SHEETS ALONG ℄ OF SUPPORTS
EDGE NAILING FOR SIZE AND SPACING - SEE NOTES
3×4 FLAT BLK'G. W/ SIMPSON "23B" CLIP EA. END (TYP.)
DETAIL A
FIELD NAIL
PLYWOOD SHT'G
PROVIDE GLUE PER NOTE 6C
FLOOR JOIST
SECTION C
EDGE NAIL STAGGERED
PLYWOOD SHT'G
GLUE BUTTING EDGES PER NOTE 6D
PROVIDE GLUE PER NOTE 6C
FLOOR JOIST
SECTION B
PLYWOOD SHT'G.
GLUE TONGUE AND GROOVE PER NOTE 6E
SECTION D

FLOOR SHEATHING NOTES

1. PLYWOOD SHEATHING SHALL BE 1 1/8" APA RATED STURD-I-FLOOR EXPOSURE 1, TONGUE AND GROOVE LONG EDGES AND SHALL CONFORM TO U.S. PRODUCT STD PS 1-83.

2. NAILS FOR PLYWOOD SHEATHING SHALL BE 10d (9GA. x 2 5/8" LONG, RING SHANK WITH FULL HEAD AT FLOOR SHEATHING).

   NAILING: EDGE--------------------AT 4" ON CENTER. U.N.O. ON PLAN

   INTERMEDIATE------------@ 10" ON CENTER.

3. INDIVIDUAL PLYWOOD SHEETS SHALL NOT BE LESS THAN 2'-0" IN LEAST DIMENSION NOR LESS THAN 8'-0" SQ. FEET IN AREA. USE FULL SIZE SHEETS WHEREVER POSSIBLE.

4. PLACE PLYWOOD SHEET WITH FACE PLIES PERPENDICULAR TO JOISTS.

5. JOIST LAYOUT SHALL BE COORDINATED WITH 4'-0" MODULE AS RELATED TO PLYWOOD SHEATING PATTERN.

6. ELASTOMERIC ADHESIVE: CONFORM TO AMERICAN PLYWOOD ASSOCIATION SPECIFICATION AFG-01. ADHESIVE SHALL BE CERTIFIED AS CONFORMING BY A TESTING AGENCY ACCEPTED BY THE FEDERAL HOUSING ADMINISTRATION, IN ACCORDANCE WITH PROCEDURES GIVEN IN HUD-FHA USE OF MATERIAL BULLETIN UM-60.

EXECUTION

A. SNAP CHALK LINE ACROSS JOISTS AT 4 FEET INTERVALS TO ACT AS GUIDE FOR EDGE ALIGNMENT OF PLYWOOD PANELS AND AS A BOUNDARY FOR SPPEADING GLUE.

B. SPEAD ONLY ENOUGH GLUE TO LAY ONE OR TWO PANELS AT A TIME OR FOLLOW SPECIFIC RECOMMENDATIONS OF GLUE MANUFACTURER. INSURE THAT CONTACT SURFACES ARE FREE OF DIRT, DUST, STANDING WATER OR OTHER DELETERIOUS MATTER.

C. APPLY A BEAD OF GLUE ABOUT 1/4 INCH IN DIAMETER TO ALL CONTACT/BEARING SURFACES. ON WIDE AREAS APPLY GLUE IN SERPENTINE PATTERN.

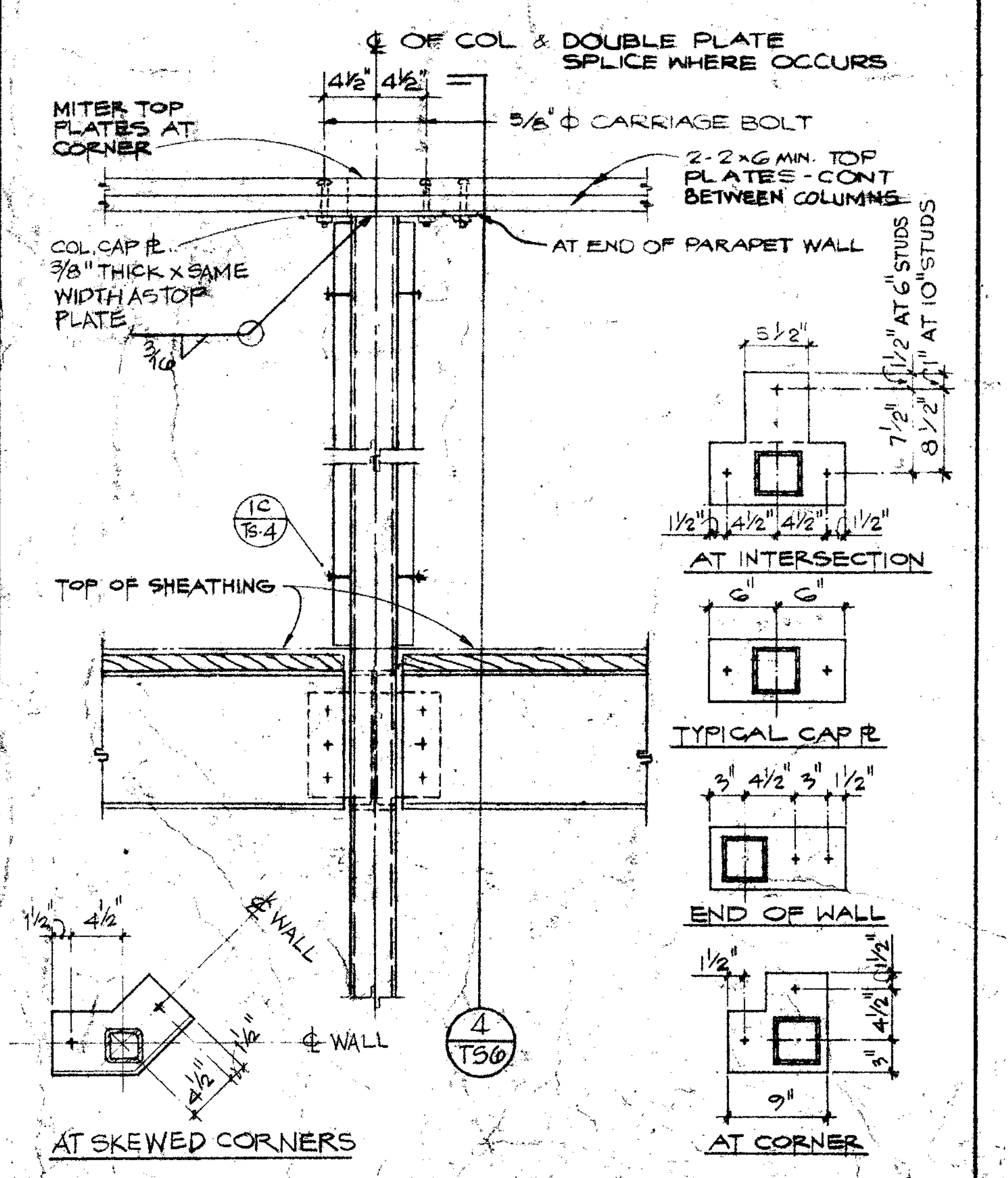
D. APPLY TWO BEADS OF GLUE ON JOISTS WHERE PANEL ENDS BUTT.

E. APPLY GLUE PROGRESSIVELY TO BUTTING EDGES OF PANELS AND INTO THE GROOVED EDGES OF TONGUE AND GROOVE PANELS AS WORK PROCEEDS.

F. COMPLETE NAILING OF EACH PANEL BEFORE GLUE SETS.

7. MACHINE APPLIED NAILING: THE CONTRACTOR WILL DEMONSTRATE SATISFACTORY INSTALLATION ON THE JOB AND OBTAIN THE ACCEPTANCE OF THE FIELD REPRESENTATIVE OF O.S.A. AND THE ARCHITECT AND/OR STRUCTURAL ENGINEER BEFORE THE USE OF MACHINE APPLIED NAILS CAN BE APPROVED. APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. REMOVE ALL "SHINERS".

FLOOR SHEATHING NOTES AND DETAILS 6


℄ OF COL. & DOUBLE PLATE SPLICE WHERE OCCURS
4½" 4½"
MITER TOP PLATES AT CORNER
⅝"φ CARRIAGE BOLT
2-2×6 MIN. TOP PLATES - CONT BETWEEN COLUMNS
AT END OF PARAPET WALL
COL. CAP PL ⅜" THICK × SAME WIDTH AS TOP PLATE
1C/TS-4
TOP OF SHEATHING
AT 6" STUDS
AT 10" STUDS
AT INTERSECTION
TYPICAL CAP PL
END OF WALL
AT CORNER
4/TS-6
℄ WALL
℄ WALL
AT SKEWED CORNERS

DETAIL AT COLUMNS 3

Drawn By	MN
Checked By	SRU
Date	MAR 1988
Commission No.	1-30-05
Revisions	BID JANUARY 1981

Brandow & Johnston Assoc.
Structural Engineers

MAMORU E. KANDA
No. 955
EXP. 12.31.88
STRUCTURAL
STATE OF CALIFORNIA

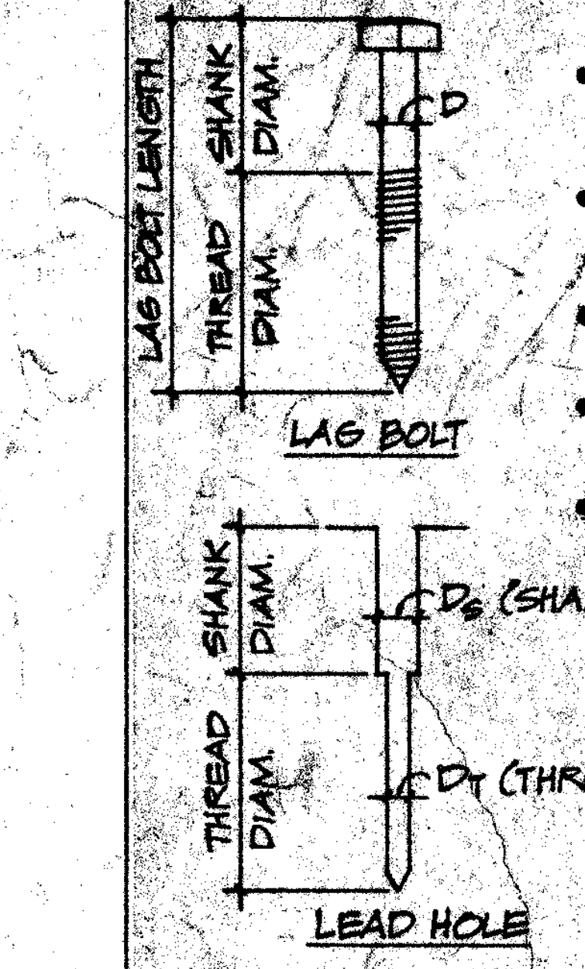
RUHNAU RUHNAU TODD/ASSOCIATES Architects Planners

ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

TYPICAL SECTIONS AND DETAILS

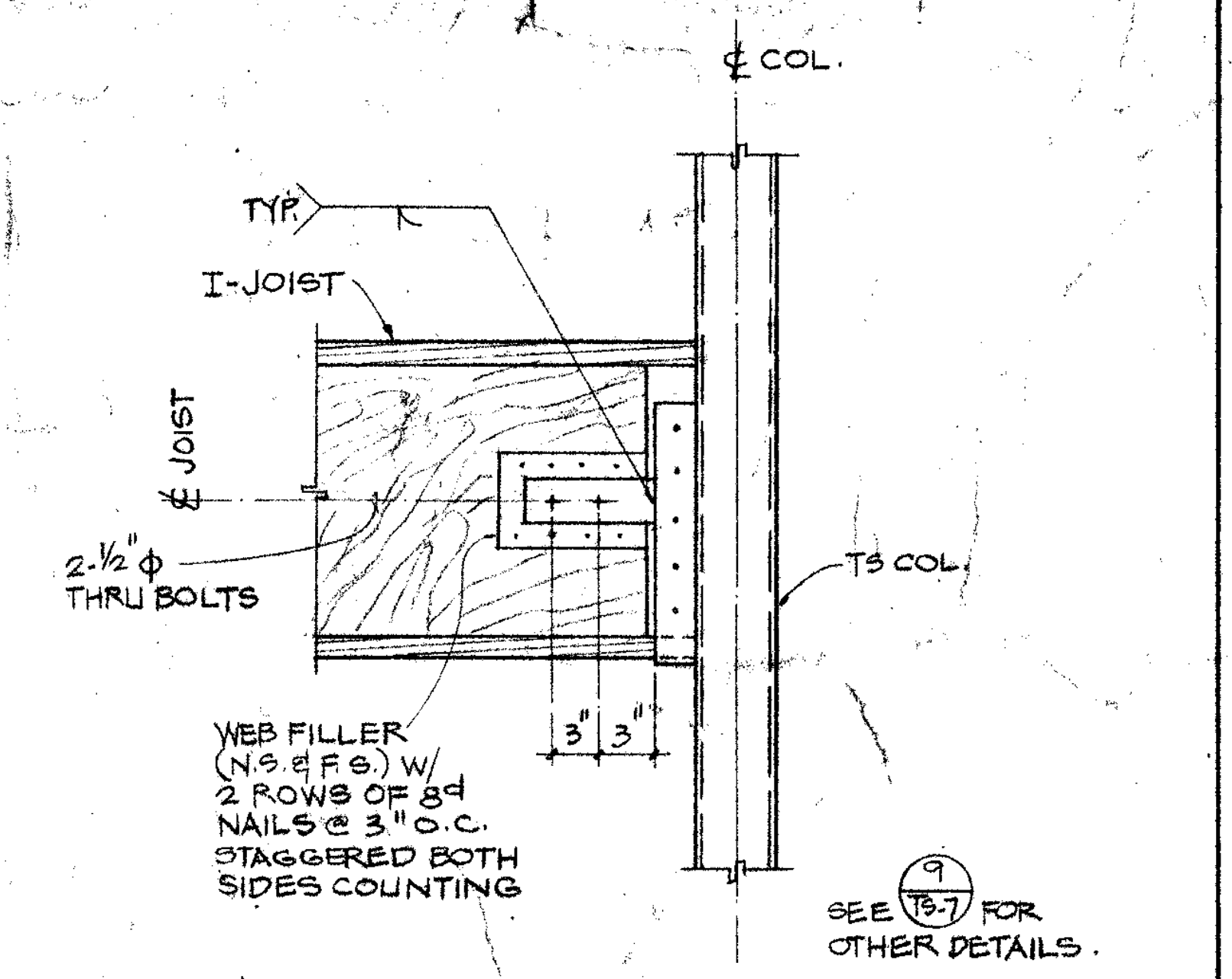
Sheet Number
TS-6
Sheets


LAG BOLT LENGTH
SHANK DIAM.
THREAD DIAM.
D
LAG BOLT
SHANK DIAM.
THREAD DIAM.
D_S (SHANK DIAM.)
D_T (THREAD DIAM.)
LEAD HOLE

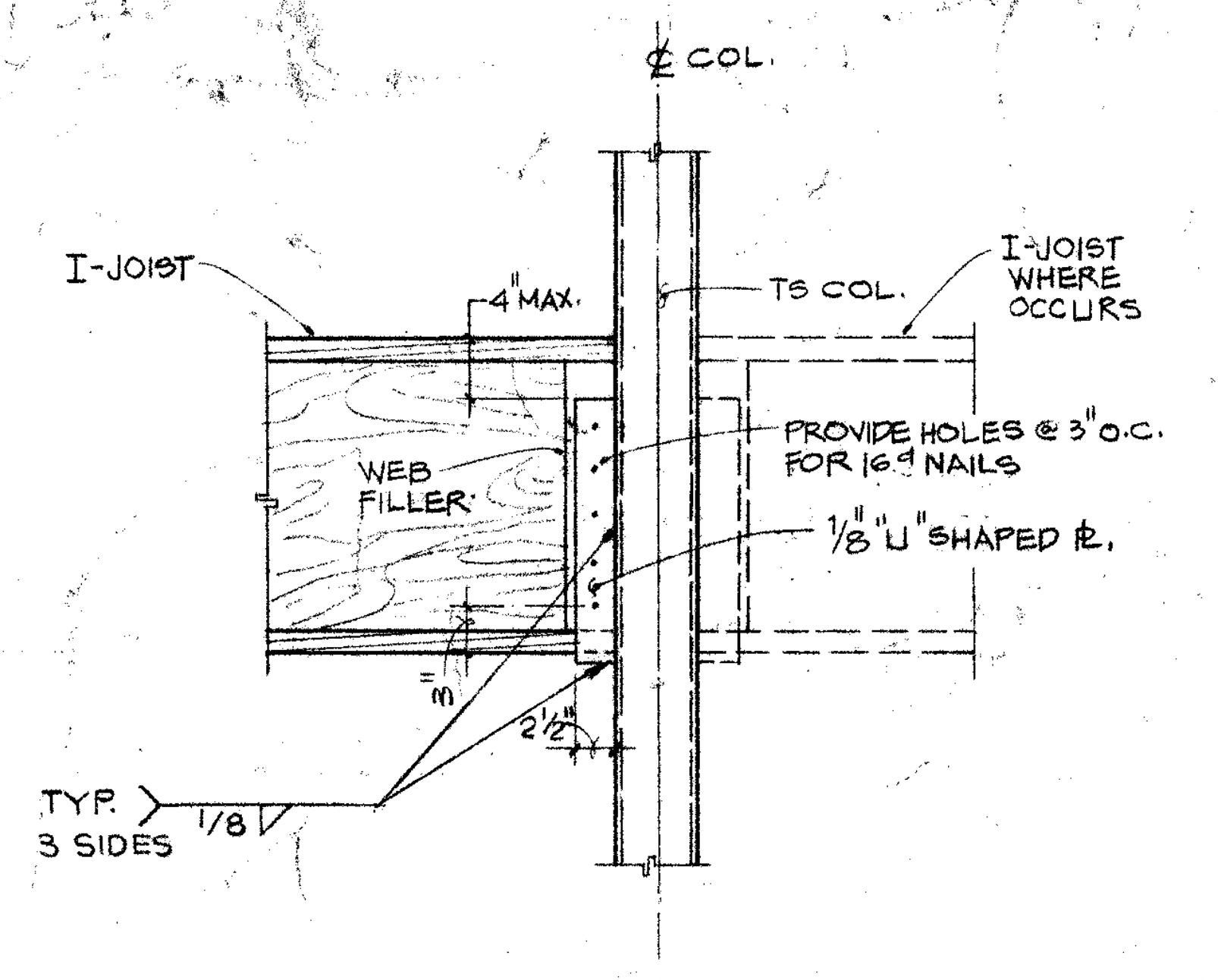
- ALL LAG BOLTS SHALL BE INSTALLED IN PRE-DRILLED LEAD HOLE.
- LAG BOLTS SHALL BE TURNED BY A HAND WRENCH OR BY A POWER TORQUE WRENCH.
- LAG BOLTS SHALL NOT BE HAMMERED!!
- WHERE FULL THREAD BOLTS ARE INDICATED, PROVIDE LEAD HOLE FOR DIAM. "D_T" FOR FULL DEPTH.
- PROVIDE WASHER UNDER HEAD FOR BOLT HEAD IN CONTACT WITH WOOD.

DIAM. "D"	LEAD HOLE	
	D_S	D_T
1/2"ϕ	1/2"ϕ	5/16"ϕ
5/8"ϕ	5/8"ϕ	7/16"ϕ
3/4"ϕ	3/4"ϕ	1/2"ϕ

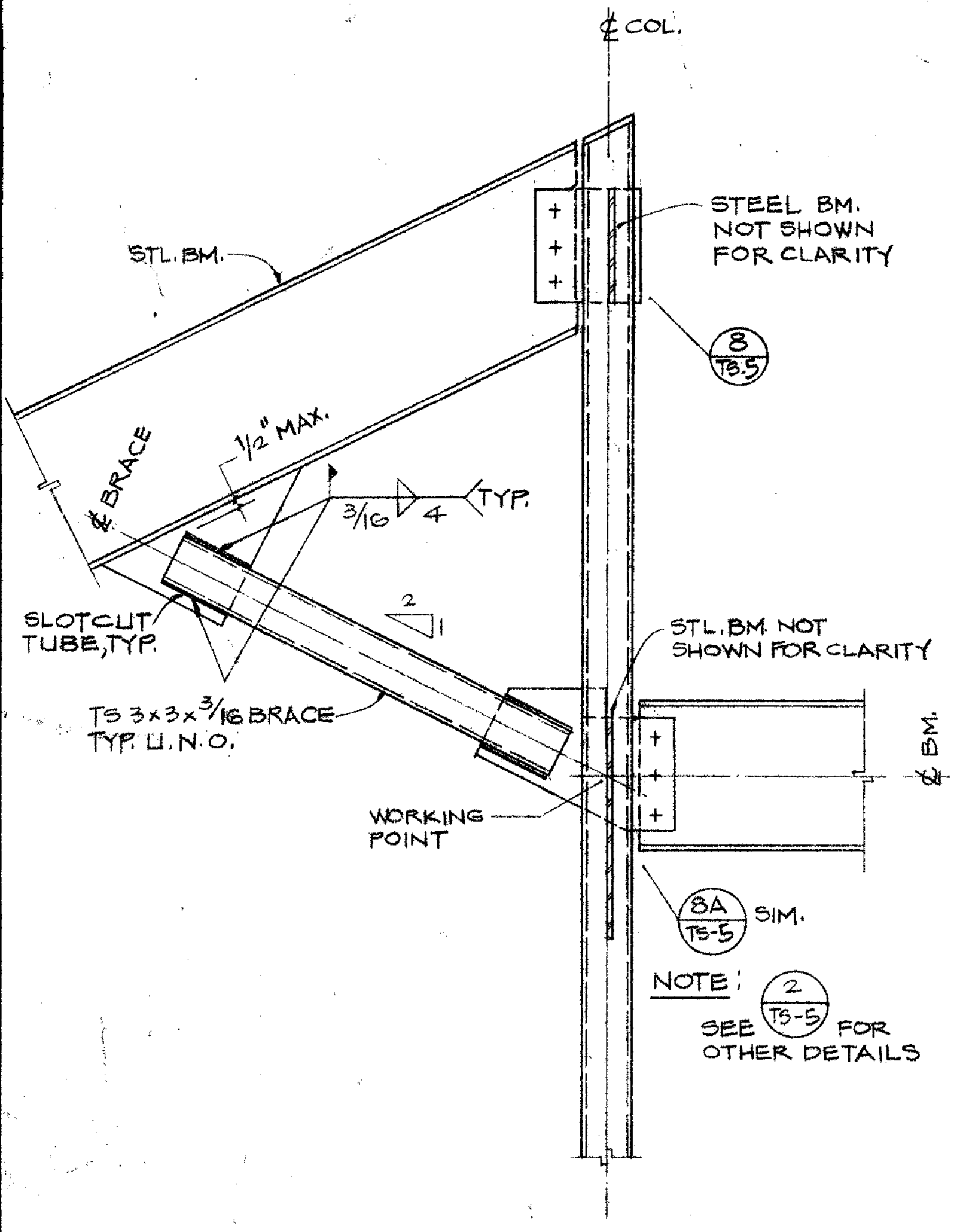
LAG SCREW DETAIL 15


℄ COL.
TYP.
I-JOIST
℄ JOIST
2-1/2"ϕ THRU BOLTS
TS COL.
WEB FILLER (N.S. & F.S.) W/ 2 ROWS OF 8d NAILS @ 3" O.C. STAGGERED BOTH SIDES COUNTING
3"
3"
SEE 9/TS-7 FOR OTHER DETAILS.

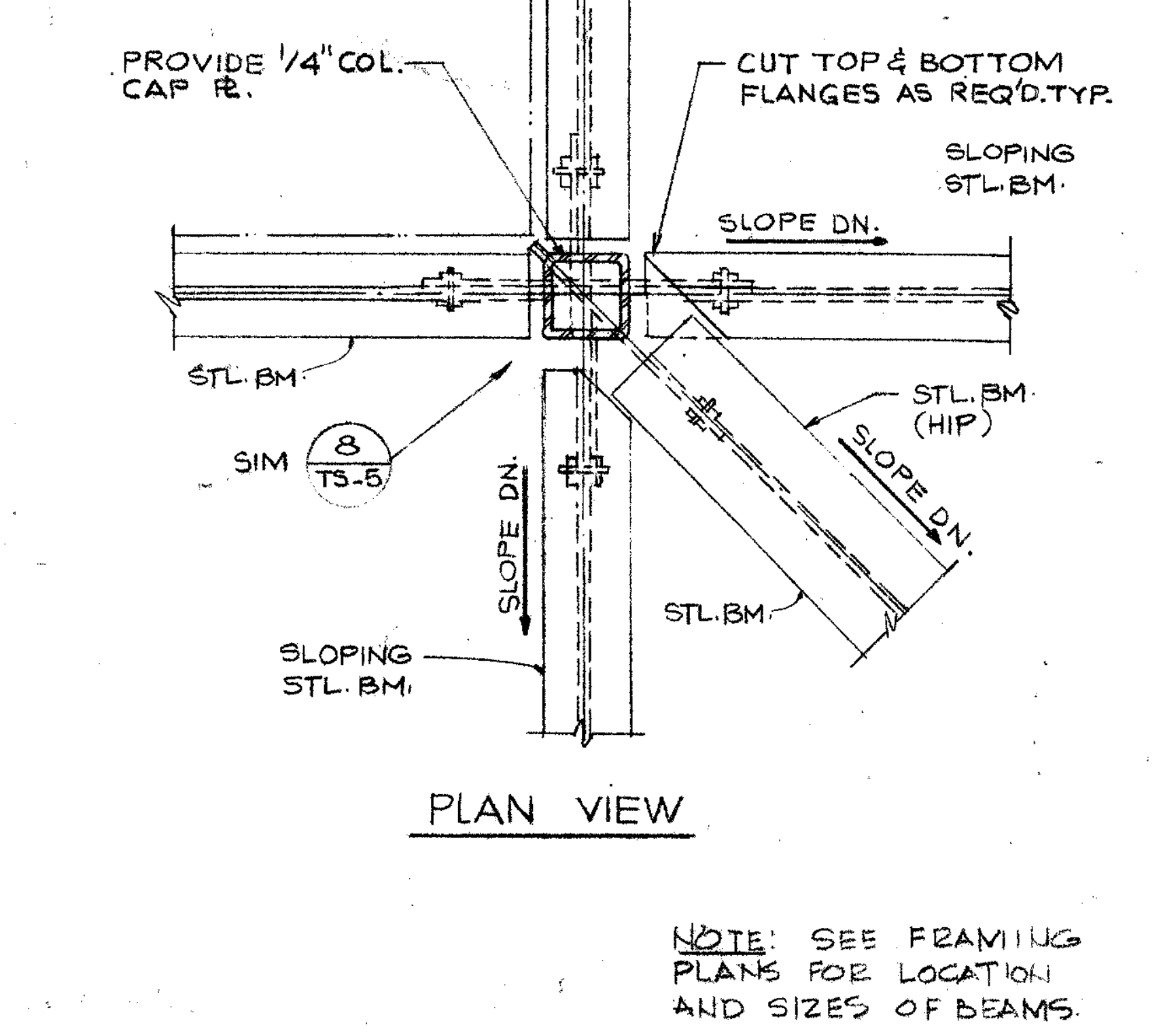
JOIST AT STL. COLUMN 1" 13


℄ COL.
I-JOIST
4" MAX.
TS COL.
I-JOIST WHERE OCCURS
WEB FILLER
PROVIDE HOLES @ 3" O.C. FOR 16d NAILS
1/8" "U" SHAPED ℔.
=
=
2 1/2"
TYP. 3 SIDES
1/8

JOIST AT STL. COL. 1" 9

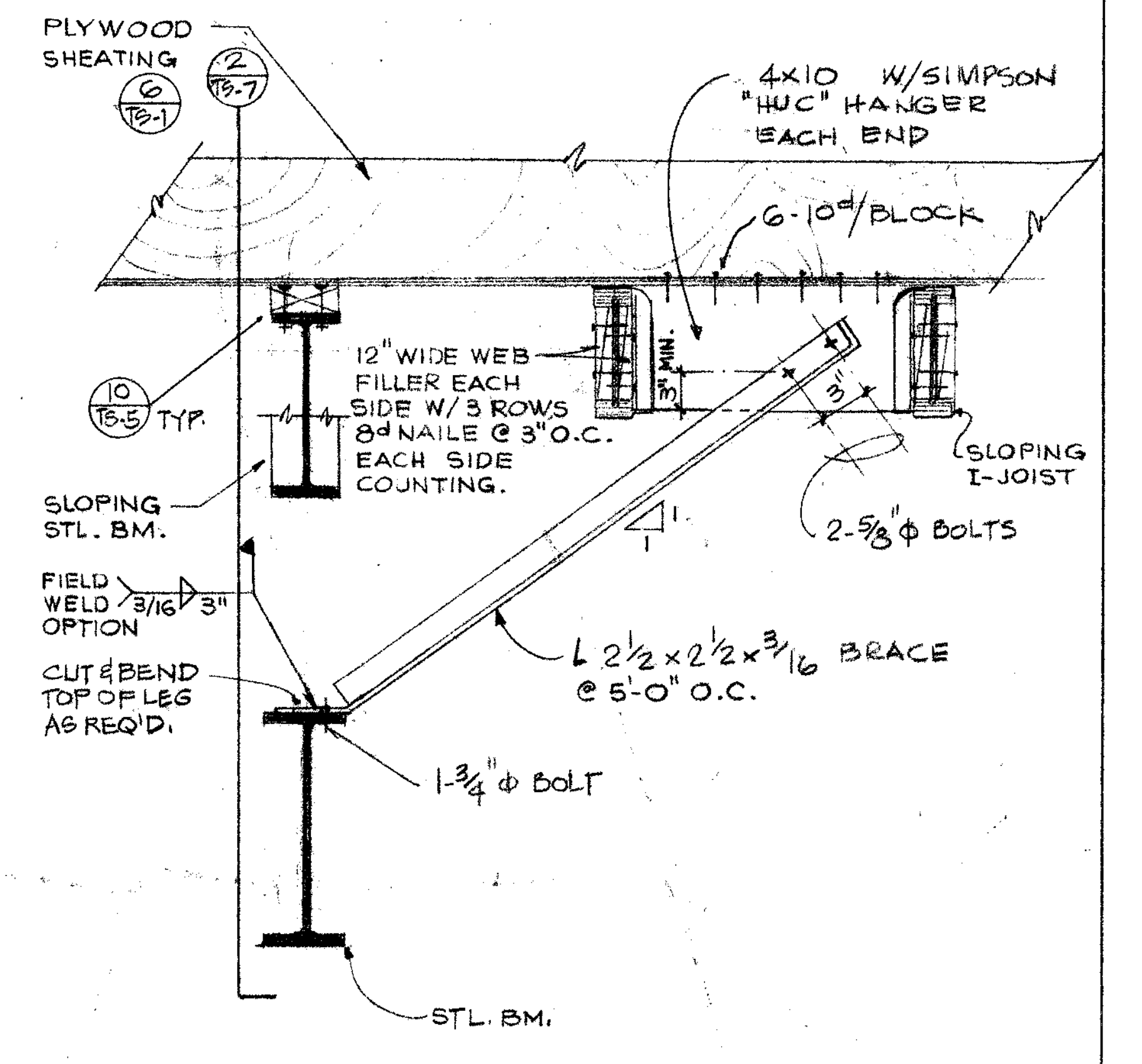

℄ COL.
STL. BM.
STEEL BM. NOT SHOWN FOR CLARITY
8/TS-5
℄ BRACE
1/2" MAX.
3/16 4 TYP.
2
1
SLOTCUT TUBE, TYP.
TS 3x3x3/16 BRACE TYP. U.N.O.
STL. BM. NOT SHOWN FOR CLARITY
℄ BM.
WORKING POINT
8A/TS-5 SIM.
NOTE: SEE 2/TS-5 FOR OTHER DETAILS

BRACE DETAIL 1" 7

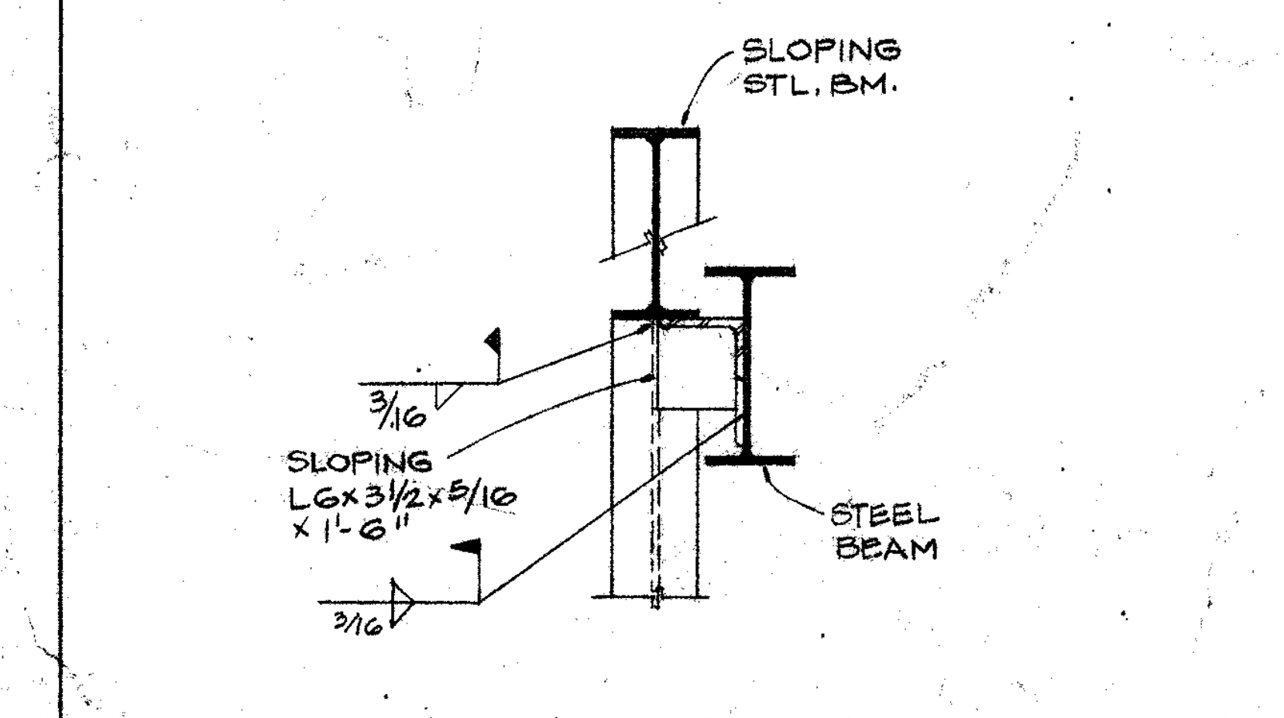

STL. BM.
PROVIDE 1/4" COL. CAP ℔.
CUT TOP & BOTTOM FLANGES AS REQ'D. TYP.
SLOPING STL. BM.
SLOPE DN.
STL. BM.
SIM 8/TS-5
STL. BM. (HIP)
SLOPE DN.
SLOPE DN.
STL. BM.
SLOPING STL. BM.
PLAN VIEW

NOTE: SEE FRAMING PLANS FOR LOCATION AND SIZES OF BEAMS.

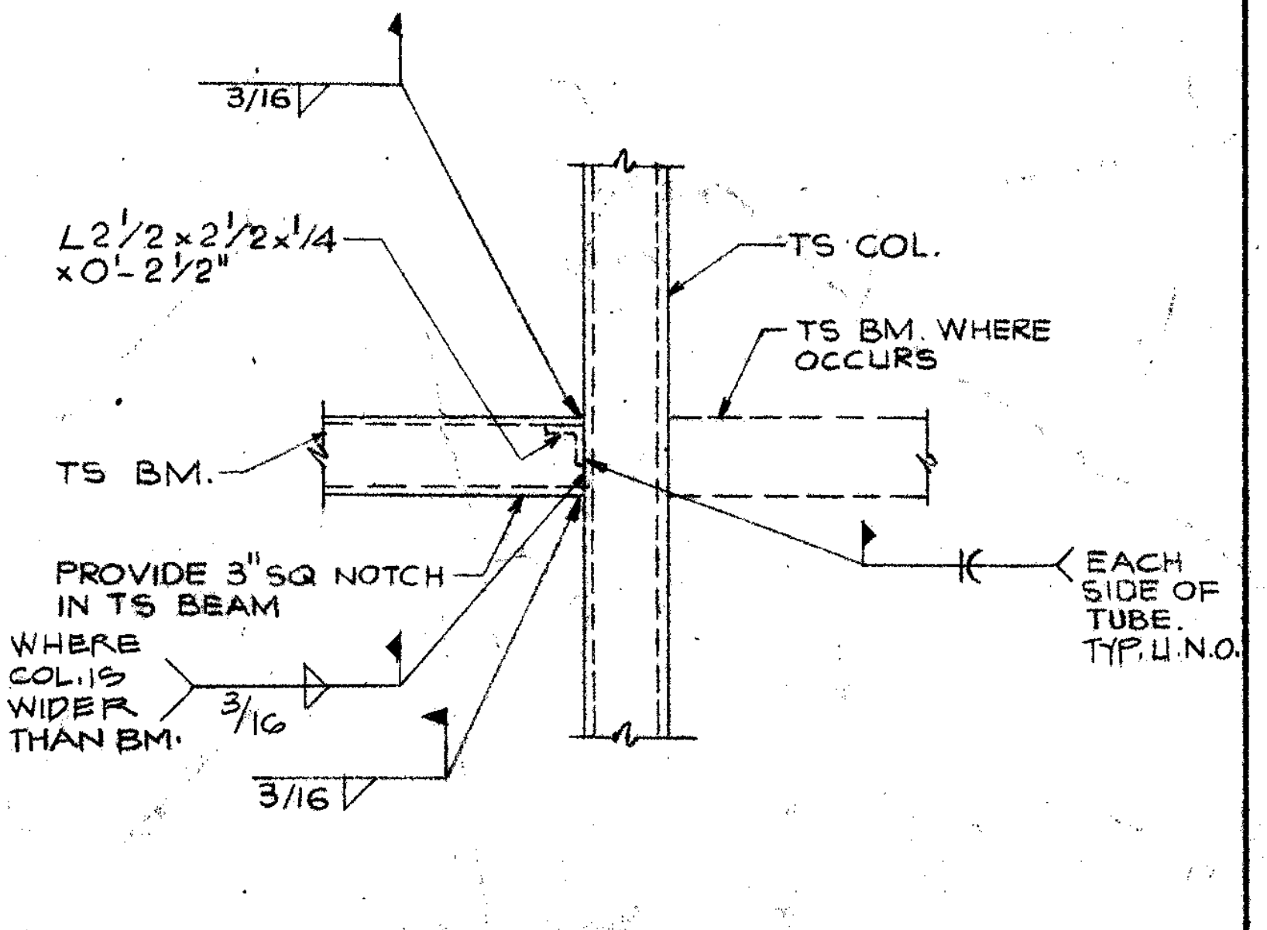
PLAN CONNECTION DET. SCALE 1 1/2"=1'-0" 4


PLYWOOD SHEATING 6/TS-1
2/TS-7
4x10 W/SIMPSON "HUC" HANGER EACH END
6-10d/BLOCK
12" WIDE WEB FILLER EACH SIDE W/ 3 ROWS 8d NAILE @ 3" O.C. EACH SIDE COUNTING.
3" MIN.
3"
10/TS-5 TYP.
SLOPING I-JOIST
SLOPING STL. BM.
1
1
2-5/8"ϕ BOLTS
FIELD WELD OPTION 3/16 3"
L 2 1/2x2 1/2x3/16 BRACE @ 5'-0" O.C.
CUT & BEND TOP OF LEG AS REQ'D.
1-3/4"ϕ BOLT
STL. BM.

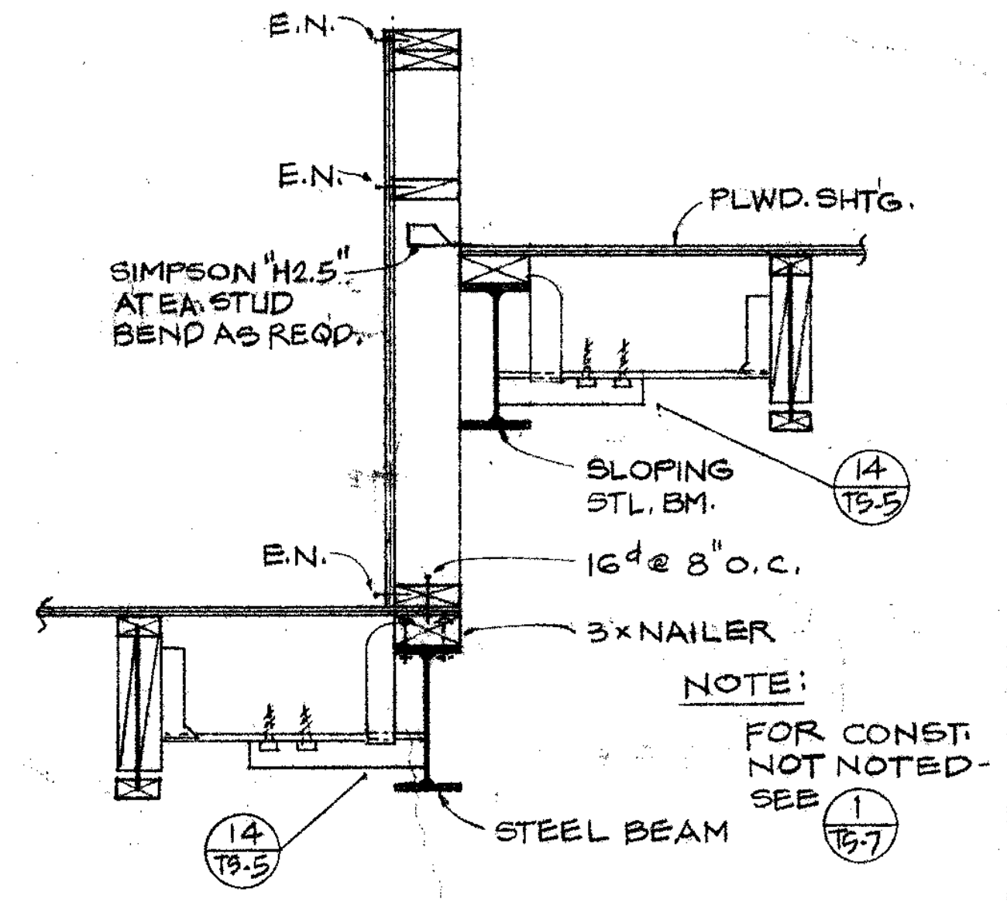
BRACE DETAIL SCALE 1"=1'-0" 3


SLOPING STL. BM.
3/16
SLOPING L6x3 1/2x5/16 x 1'-6"
STEEL BEAM
3/16

DETAIL 14


3/16
L2 1/2x2 1/2x1/4 x0'-2 1/2"
TS COL.
TS BM. WHERE OCCURS
TS BM.
PROVIDE 3" SQ NOTCH IN TS BEAM WHERE COL. IS WIDER THAN BM.
3/16
3/16
EACH SIDE OF TUBE. TYP. U.N.O.

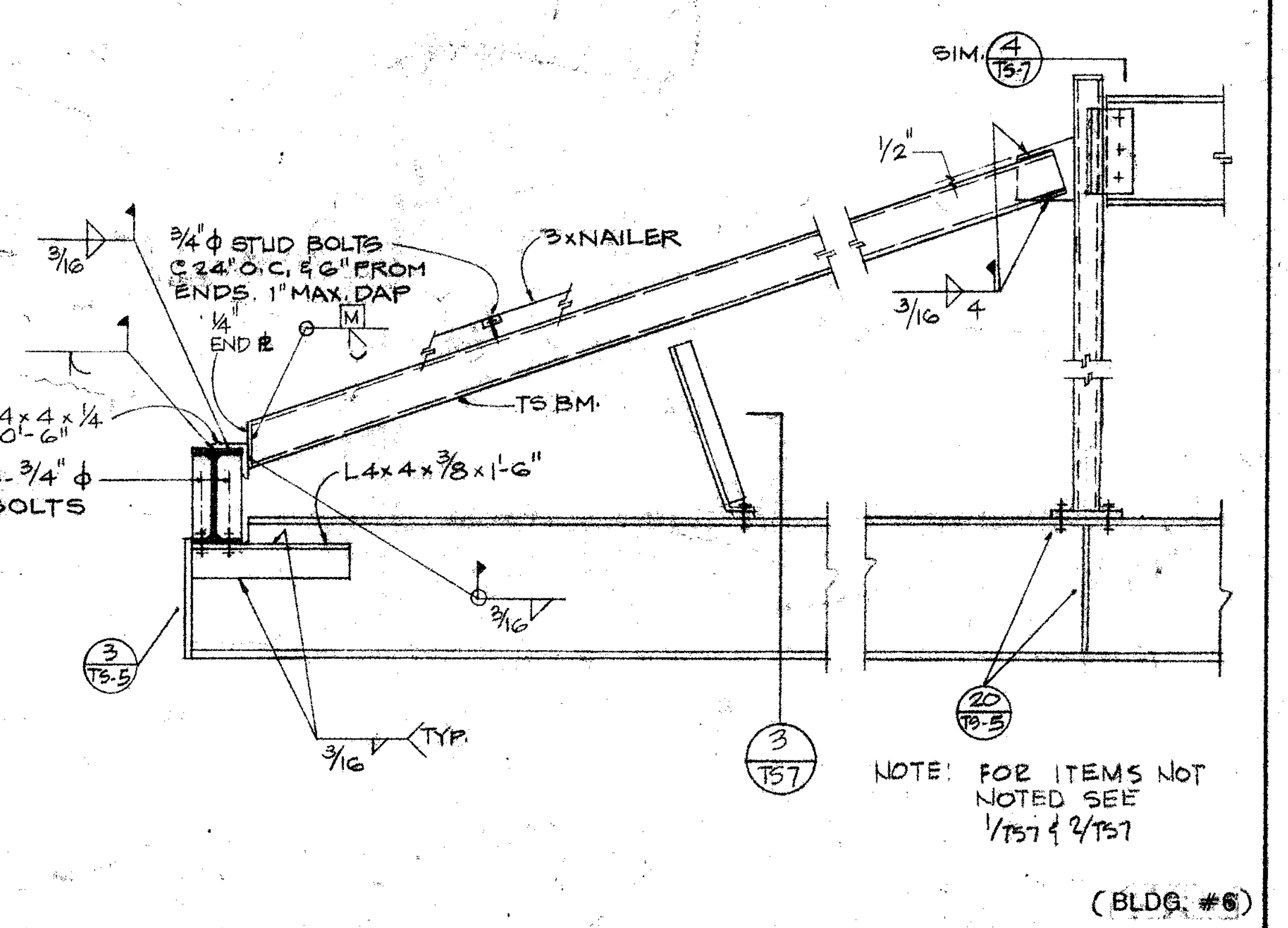
DETAIL 1" 12


E.N.
E.N.
PLWD. SHTG.
SIMPSON "H2.5" AT EA. STUD BEND AS REQD.
SLOPING STL. BM.
14/TS-5
E.N.
16d @ 8" O.C.
3x NAILER
14/TS-5
STEEL BEAM

NOTE: FOR CONST. NOT NOTED - SEE 1/TS-7

SECTION 3/4" 8

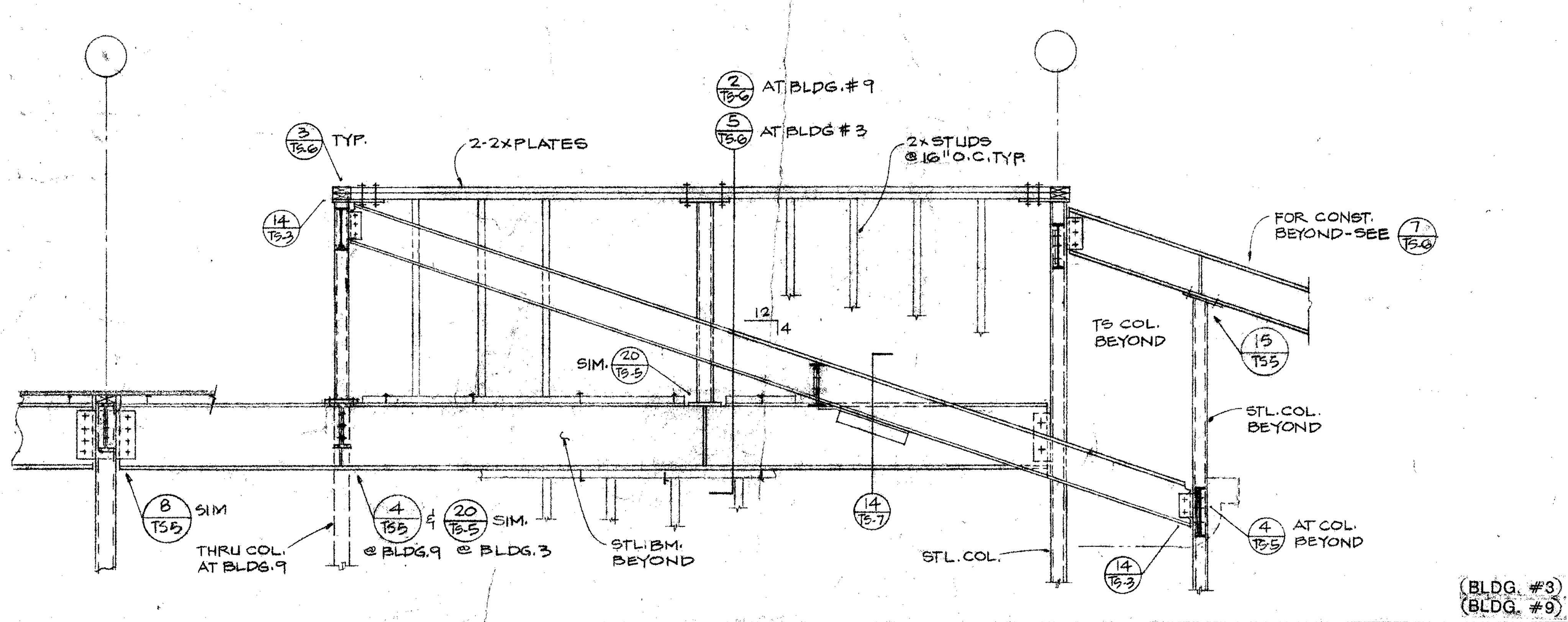
BRACE DETAIL 1" 7


SIM. 4/TS-7
1/2"
3/4"ϕ STUD BOLTS @ 24" O.C. & 6" FROM ENDS. 1" MAX. DAP
3x NAILER
3/16
1/4" END ℔
M
3/16 4
L4x4x1/4 x 0'-6"
4-3/4"ϕ BOLTS
TS BM.
L4x4x3/8x1'-6"
3/16
3/TS-5
3/16 TYP.
3/TS7
20/TS-5

NOTE: FOR ITEMS NOT NOTED SEE 1/TS7 & 2/TS7

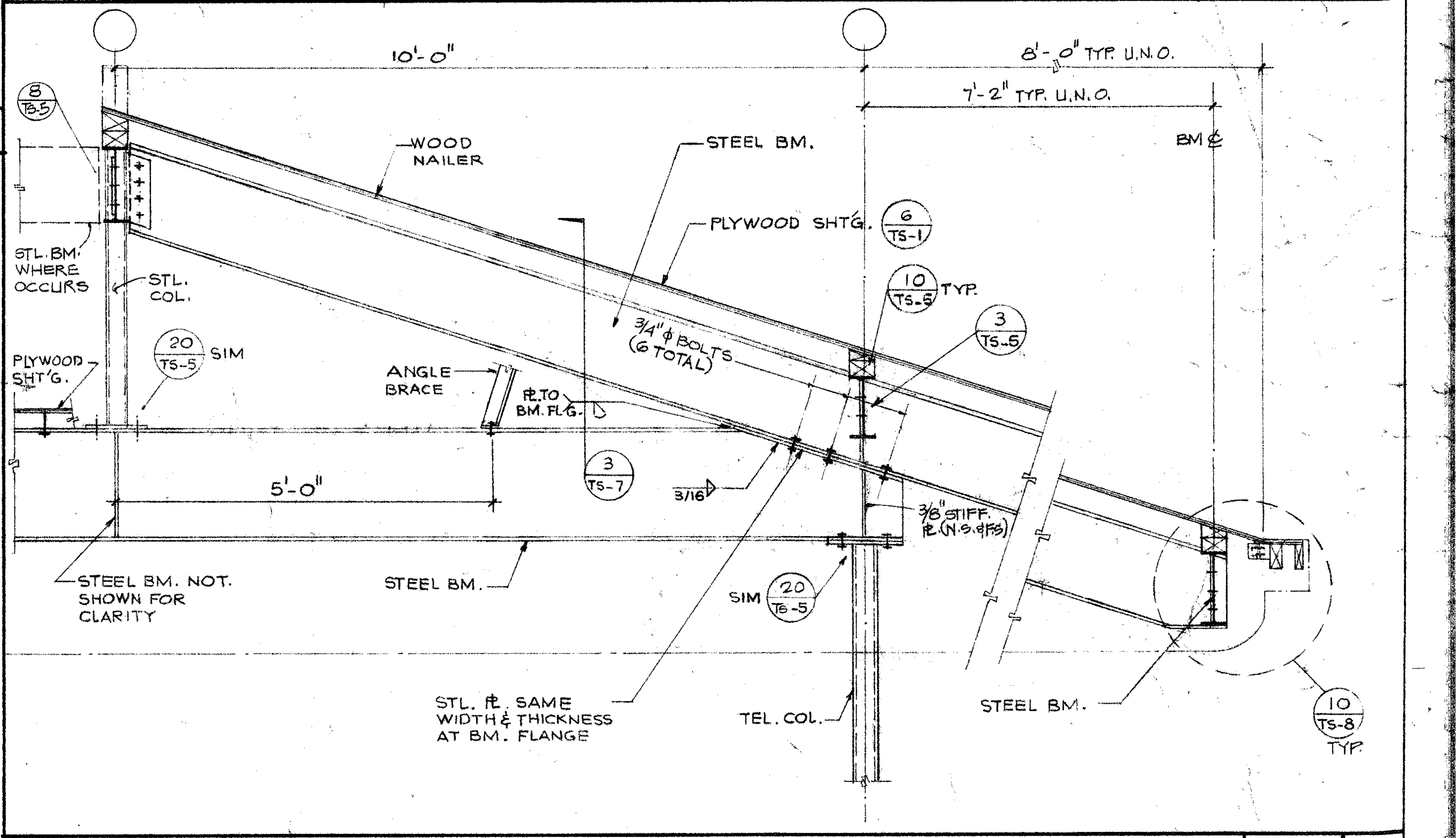
(BLDG. #6)

DETAIL SCALE 3/4"=1'-0" 11

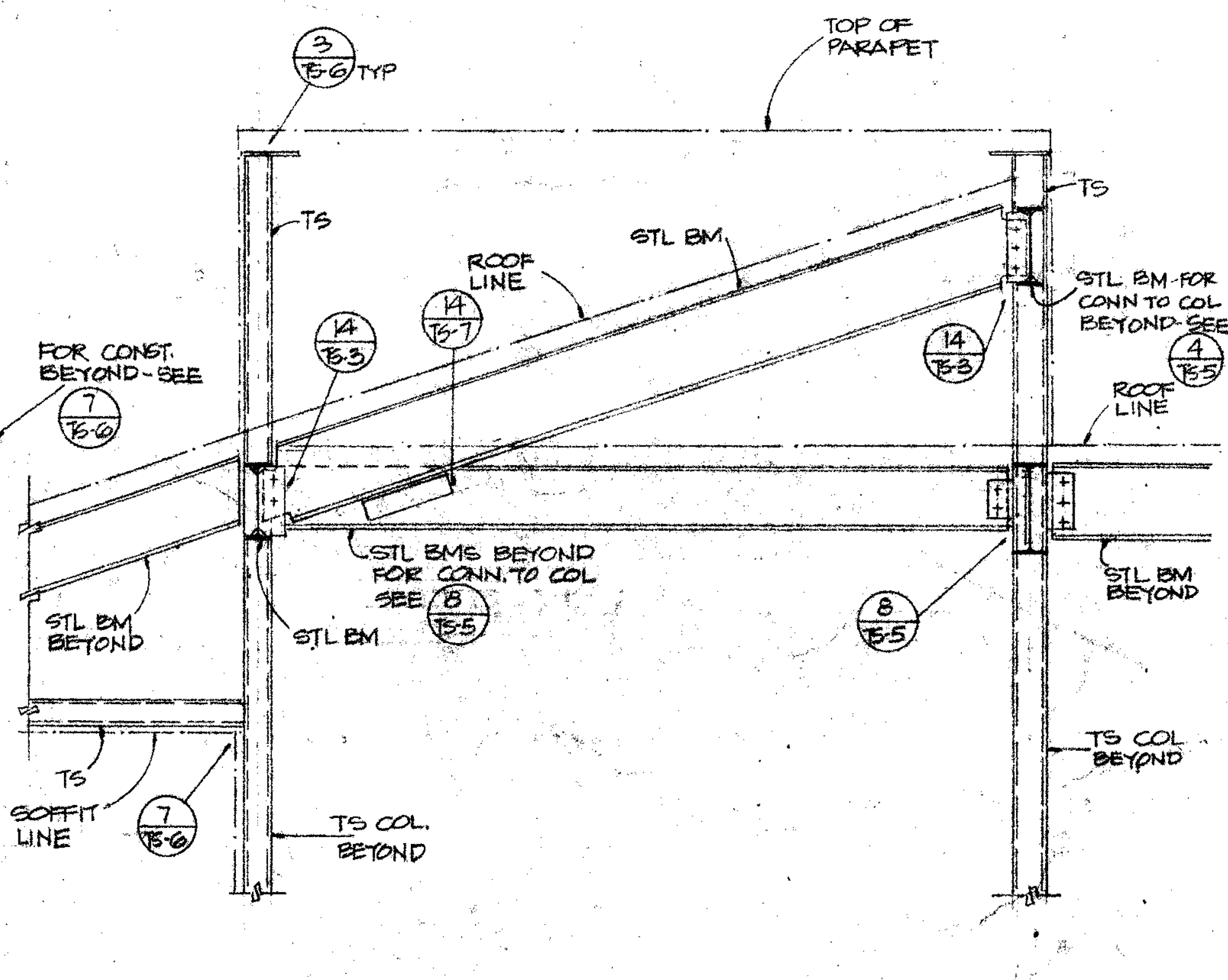

2/TS-6 AT BLDG. #9
5/TS-6 AT BLDG #3
3/TS-6 TYP.
2-2x PLATES
2x STUDS @ 16" O.C. TYP.
14/TS-3
FOR CONST. BEYOND - SEE 7/TS-6
12
4
SIM. 20/TS-5
TS COL. BEYOND
15/TS5
STL. COL. BEYOND
8/TS5 SIM
THRU COL. AT BLDG. 9
4/TS5 & 20/TS-5 SIM.
@ BLDG. 9 @ BLDG. 3
STL. BM. BEYOND
14/TS-7
STL. COL.
14/TS-3
4/TS5 AT COL. BEYOND

(BLDG. #3)
(BLDG. #9)

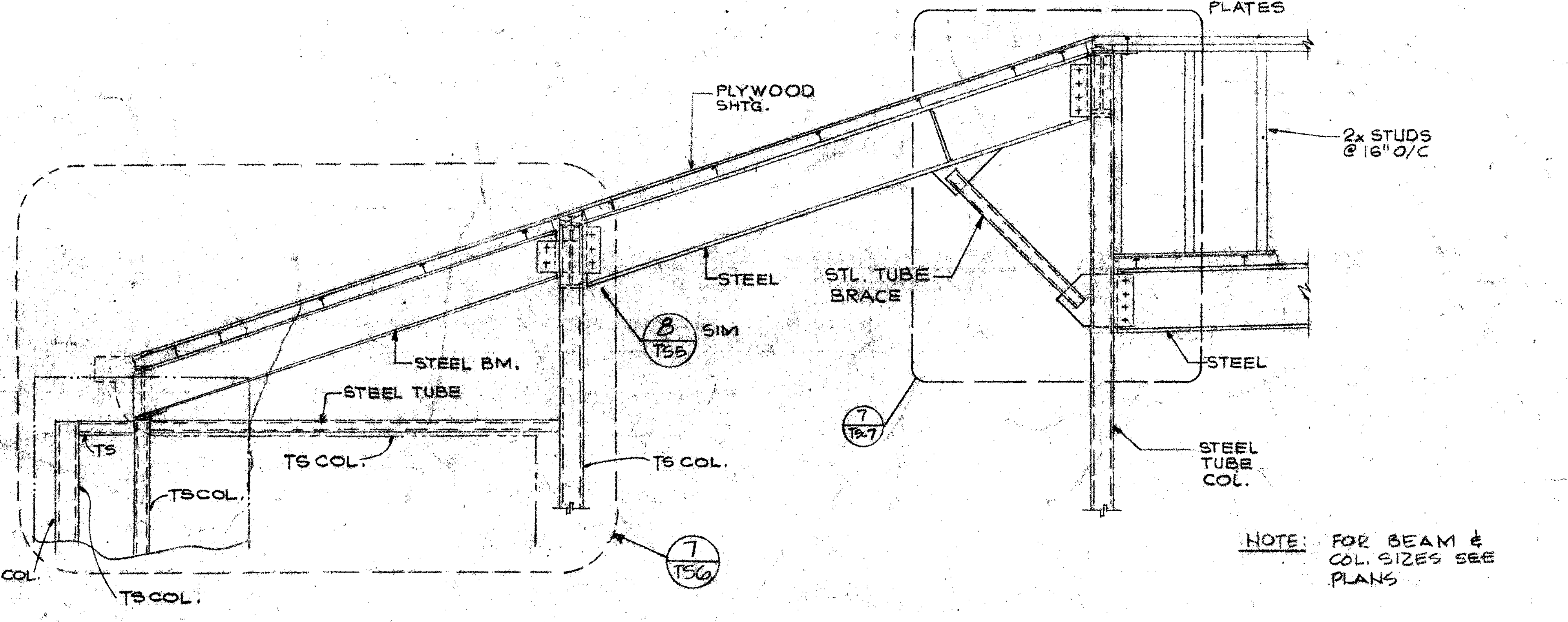
FRAMING ELEVATION SCALE 1/2"=1'-0" 6


10'-0"
8'-0" TYP. U.N.O.
7'-2" TYP. U.N.O.
BM ℄
8/TS-5
WOOD NAILER
STEEL BM.
PLYWOOD SHTG. 6/TS-1
STL. BM. WHERE OCCURS
STL. COL.
10/TS-5 TYP.
3/TS-5
3/4"ϕ BOLTS (6 TOTAL)
PLYWOOD SHT'G.
20/TS-5 SIM
ANGLE BRACE
℔ TO BM. FLG.
5'-0"
3/TS-7
3/16
3/8" STIFF. ℔ (N.S. & F.S.)
STEEL BM. NOT SHOWN FOR CLARITY
STEEL BM.
SIM 20/TS-5
STL. ℔ SAME WIDTH & THICKNESS AT BM. FLANGE
TEL. COL.
STEEL BM.
10/TS-8 TYP.

FRAMING OF MANSARD ROOF SCALE 3/4"=1'-0" 2

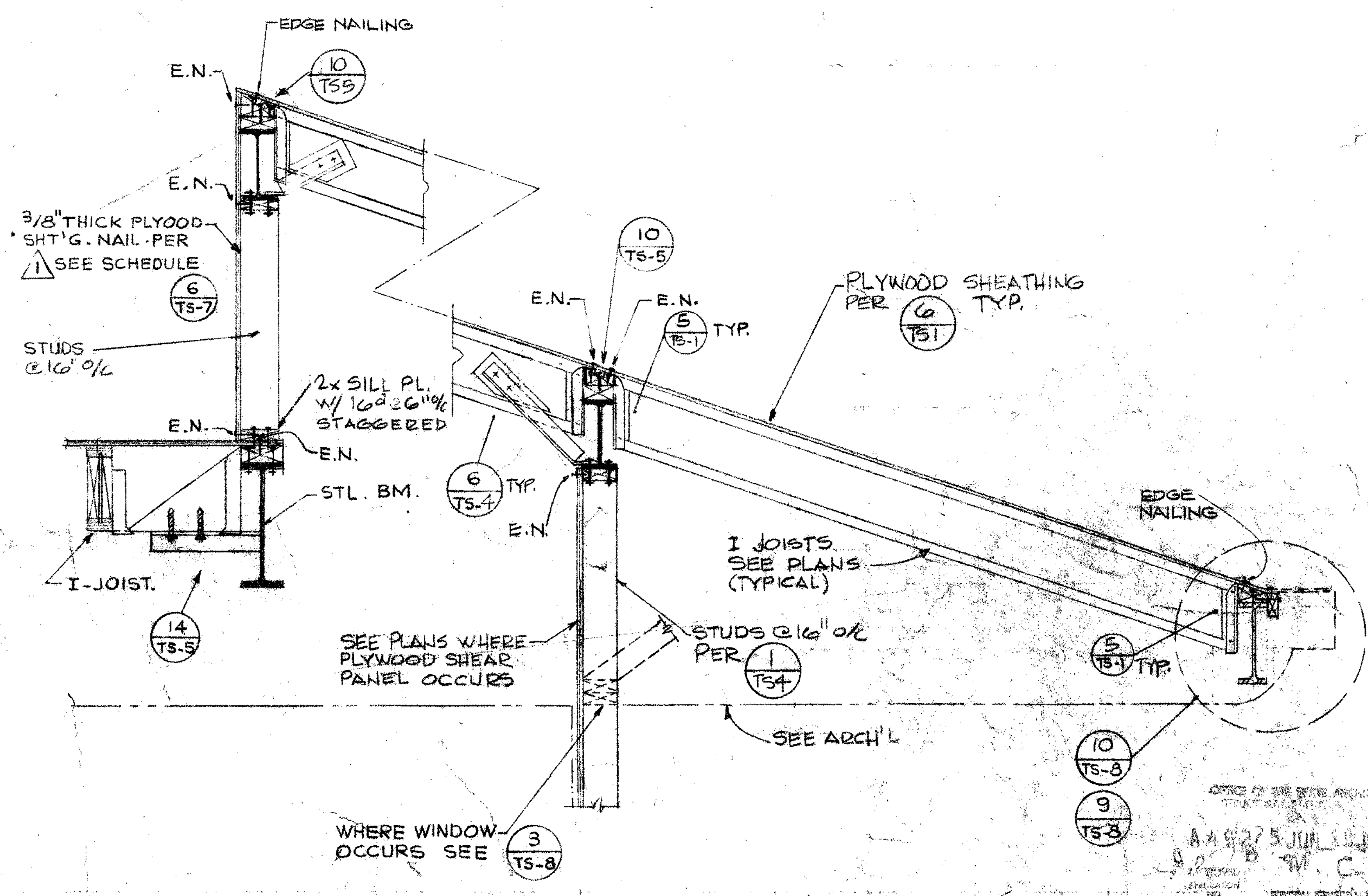

3/TS-6 TYP
TOP OF PARAPET
TS
STL BM
ROOF LINE
14/TS-3
14/TS-7
TS
STL BM FOR CONN TO COL BEYOND - SEE 4/TS-5
14/TS-3
FOR CONST. BEYOND - SEE 7/TS-6
ROOF LINE
STL BMS BEYOND FOR CONN. TO COL SEE 8/TS-5
STL BM BEYOND
STL BM
8/TS-5
STL BM BEYOND
TS
SOFFIT LINE
7/TS-6
TS COL. BEYOND
TS COL BEYOND

FRAMING DETAIL SCALE 1/2"=1'-0" 10


2-2x TOP PLATES
PLYWOOD SHTG.
2x STUDS @ 16" O/C
STEEL
STL. TUBE BRACE
8/TS5 SIM
STEEL BM.
STEEL TUBE
STEEL
7/TS-7
TS
TS COL.
TS COL.
TS COL.
STEEL TUBE COL.
TS COL.
TS COL.
7/TS6

NOTE: FOR BEAM & COL. SIZES SEE PLANS

FRAMING ELEVATION AT END WALL SCALE 1/2"=1'-0" 5


EDGE NAILING
E.N.
10/TS5
E.N.
3/8" THICK PLYOOD SHT'G. NAIL PER 1 SEE SCHEDULE 6/TS-7
10/TS-5
E.N.
E.N.
5/TS-1 TYP.
PLYWOOD SHEATHING PER 6/TS1 TYP.
STUDS @ 16" O/C
2x SILL PL. W/ 16d @ 6" O/C STAGGERED
E.N.
E.N.
STL. BM.
6/TS-4 TYP.
E.N.
EDGE NAILING
I JOISTS SEE PLANS (TYPICAL)
I-JOIST.
14/TS-5
SEE PLANS WHERE PLYWOOD SHEAR PANEL OCCURS
STUDS @ 16" O/C PER 1/TS4
5/TS-1 TYP.
SEE ARCH'L
10/TS-8
9/TS-8
WHERE WINDOW OCCURS SEE 3/TS-8

A # 9275 JUL

SECTION AT MANSARD ROOF SCALE 3/4"=1'-0" 1

Drawn By MN
Checked By SRU
Date MAR. 1988
Commission No. 1-39-05
Revisions
BID JANUARY 1991

Brandow & Johnston Assoc.
Structural Engineers

No. 956
EXP. 12-31-88

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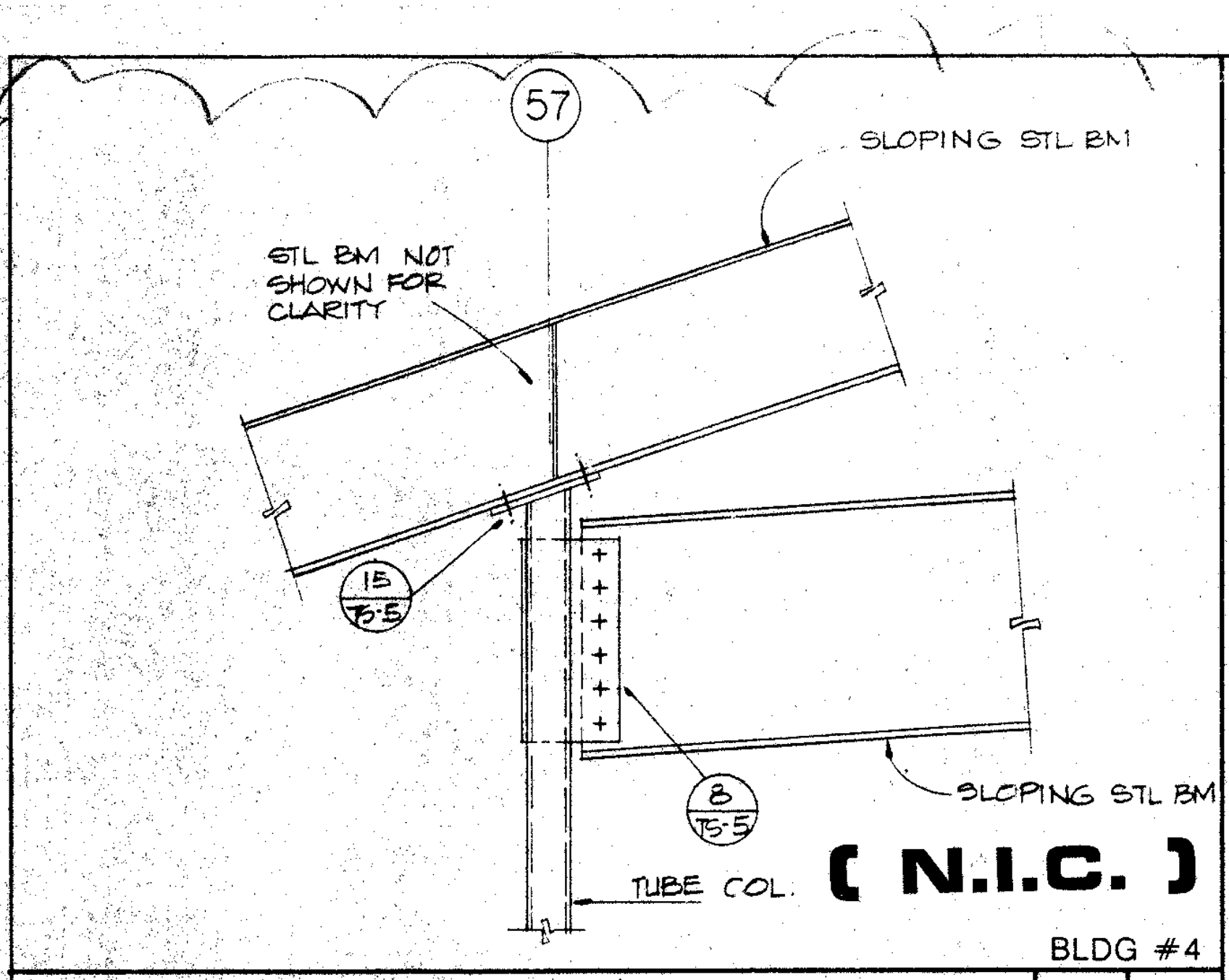
ARCHITECT
C20662

West Hills High School
Grossmont Union High School District
San Diego, Ca San Diego County

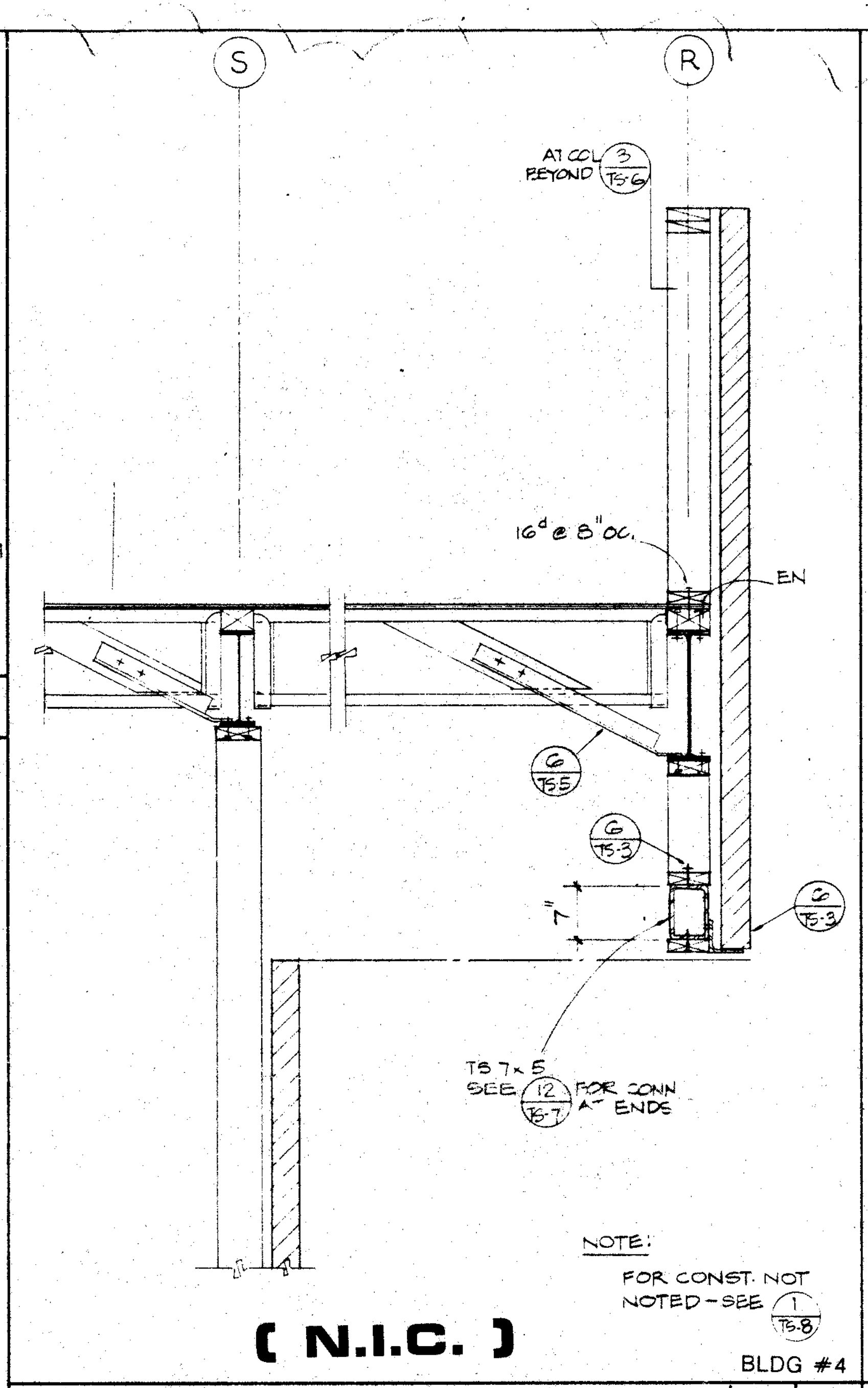
TYPICAL SECTIONS AND DETAILS

Sheet Number
TS7
10001 Sheets



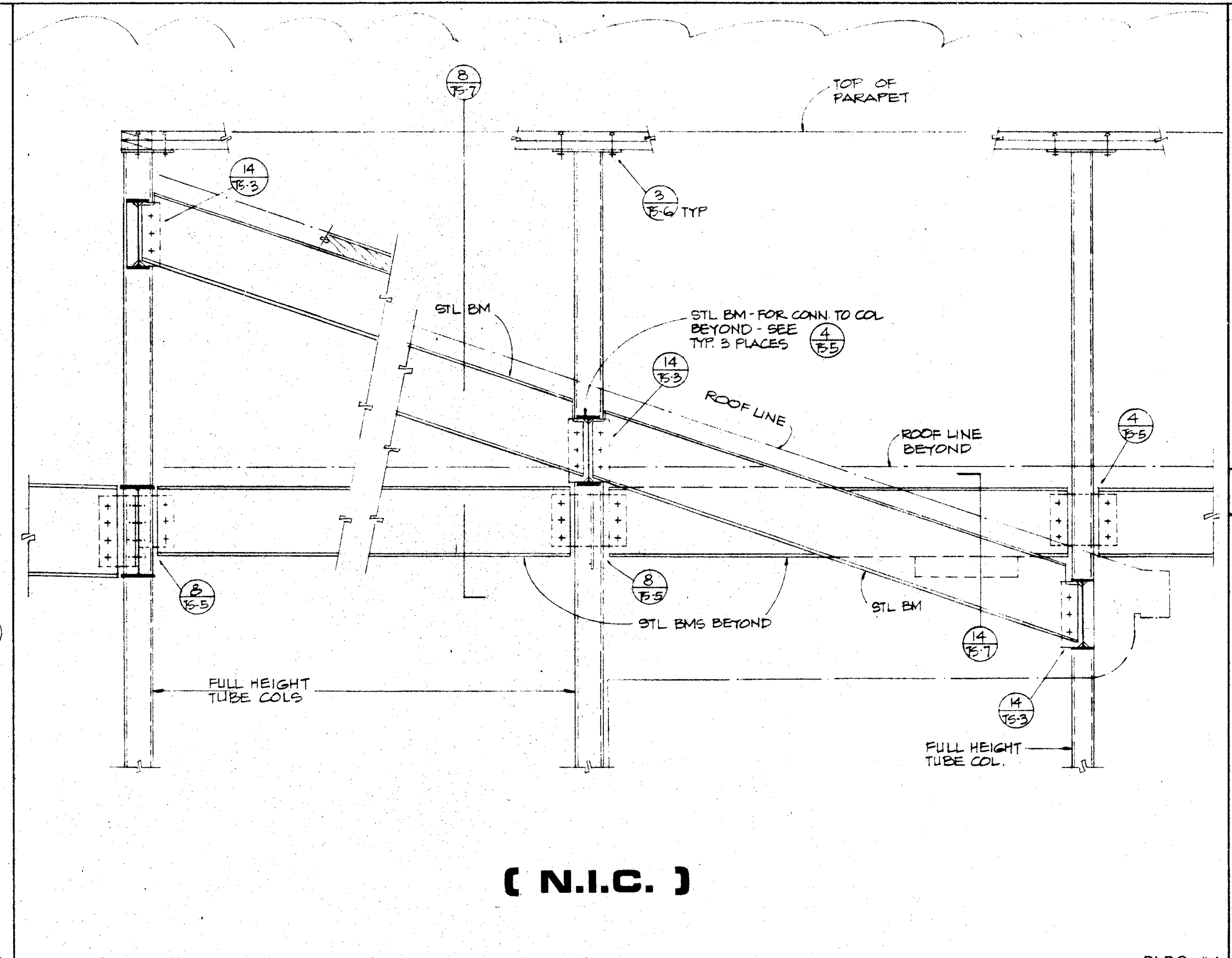
57
SLOPING STL BM
STL BM NOT SHOWN FOR CLARITY
15 / TS-5
8 / TS-5
SLOPING STL BM
TUBE COL.
(N.I.C.)
BLDG #4

DETAIL 3/4" 14



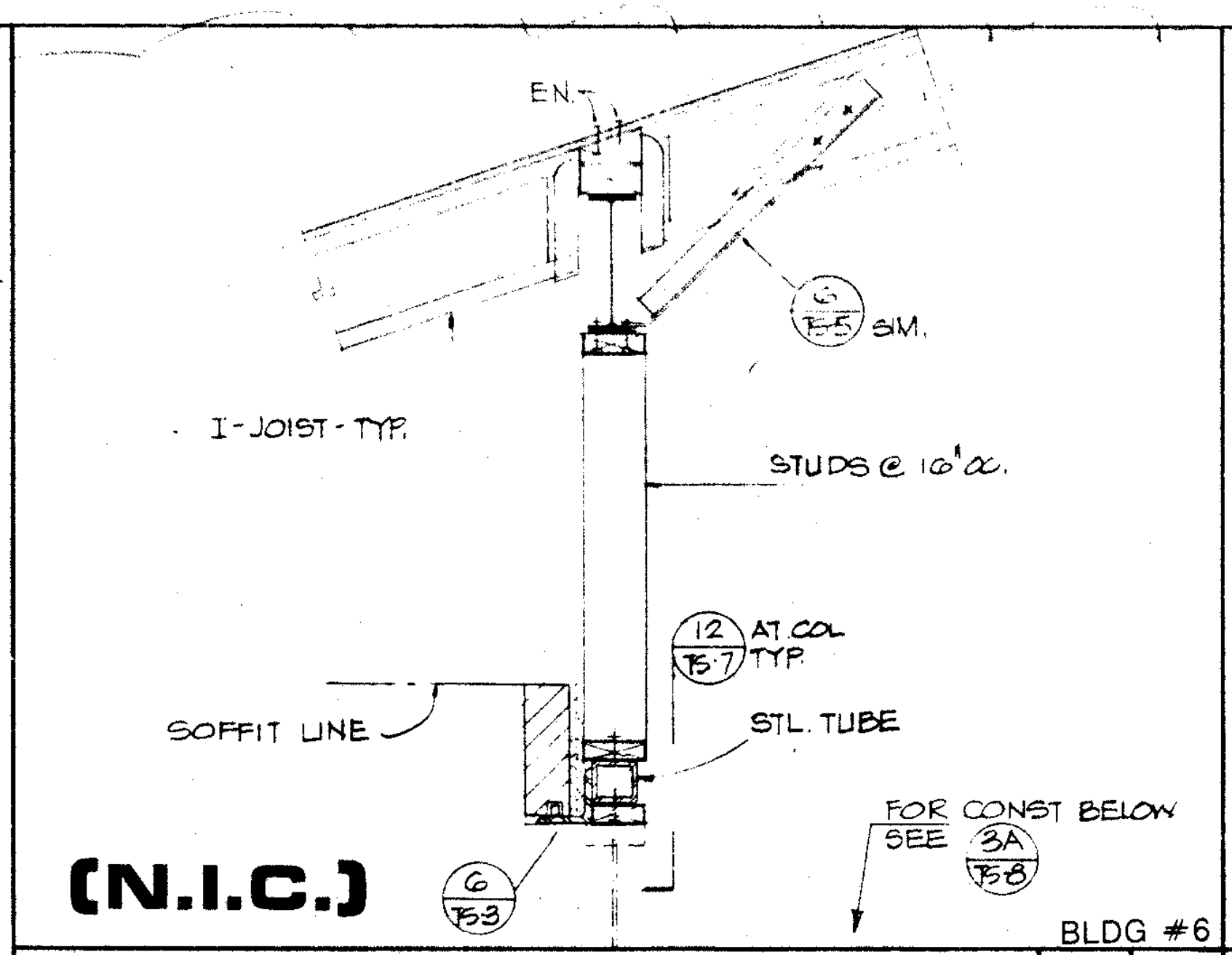
S
R
AT COL 3 / TS-6 BEYOND
16d @ 8" o.c.
E.N.
6 / TS-5
6 / TS-3
7"
6 / TS-3
TS 7 x 5 SEE 12 / TS-7 FOR CONN AT ENDS
NOTE: FOR CONST. NOT NOTED - SEE 1 / TS-8
(N.I.C.)
BLDG #4

SECTION 3/4" 10



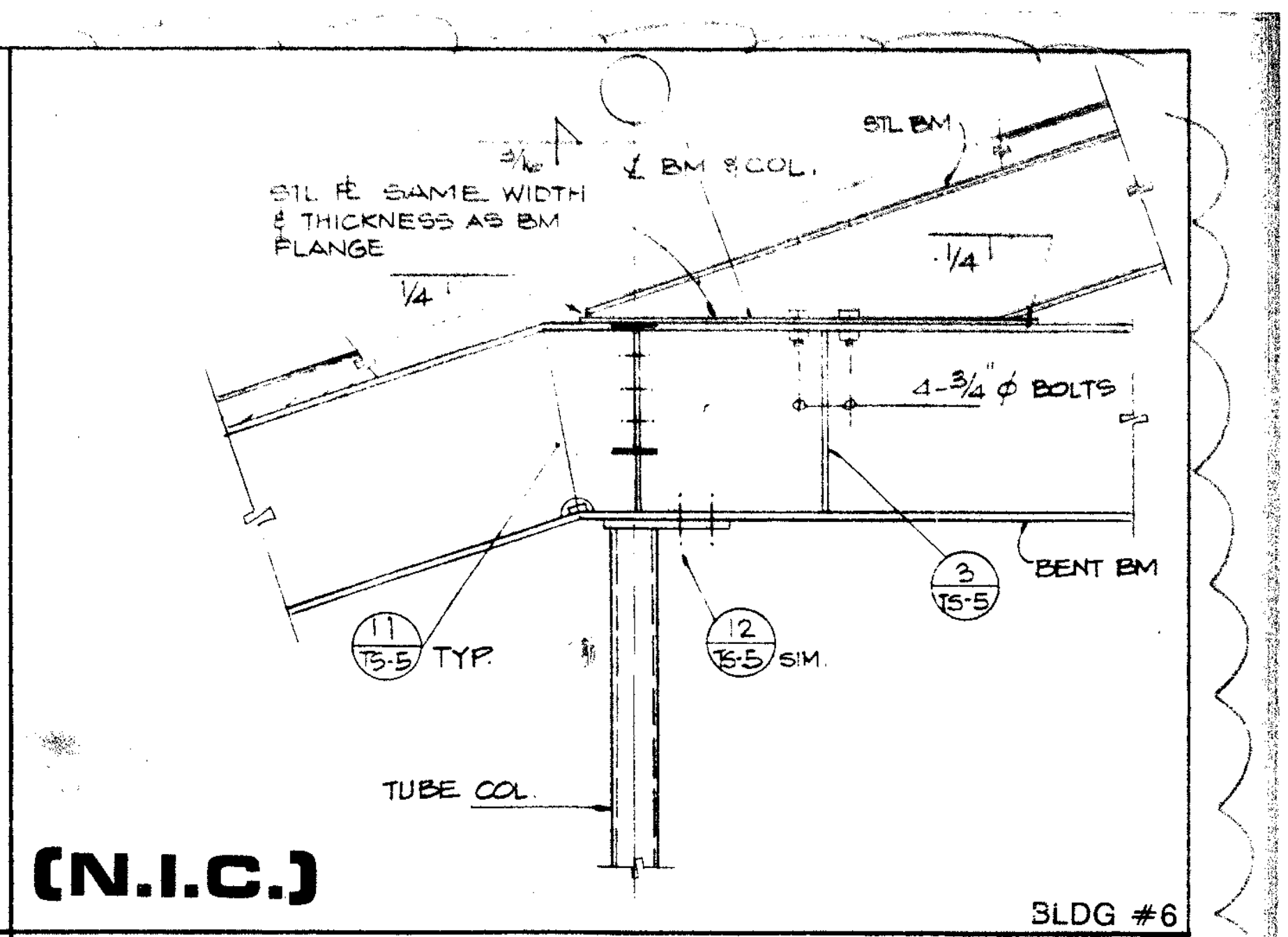
8 / TS-7
TOP OF PARAPET
14 / TS-3
3 / TS-6 TYP
STL BM
STL BM - FOR CONN TO COL BEYOND - SEE 4 / TS-5 TYP. 3 PLACES
14 / TS-3
ROOF LINE
ROOF LINE BEYOND
4 / TS-5
8 / TS-5
8 / TS-5
STL BMS BEYOND
STL BM
14 / TS-7
14 / TS-3
FULL HEIGHT TUBE COLS
FULL HEIGHT TUBE COL.
(N.I.C.)
BLDG #4

DETAIL 3/4" 6



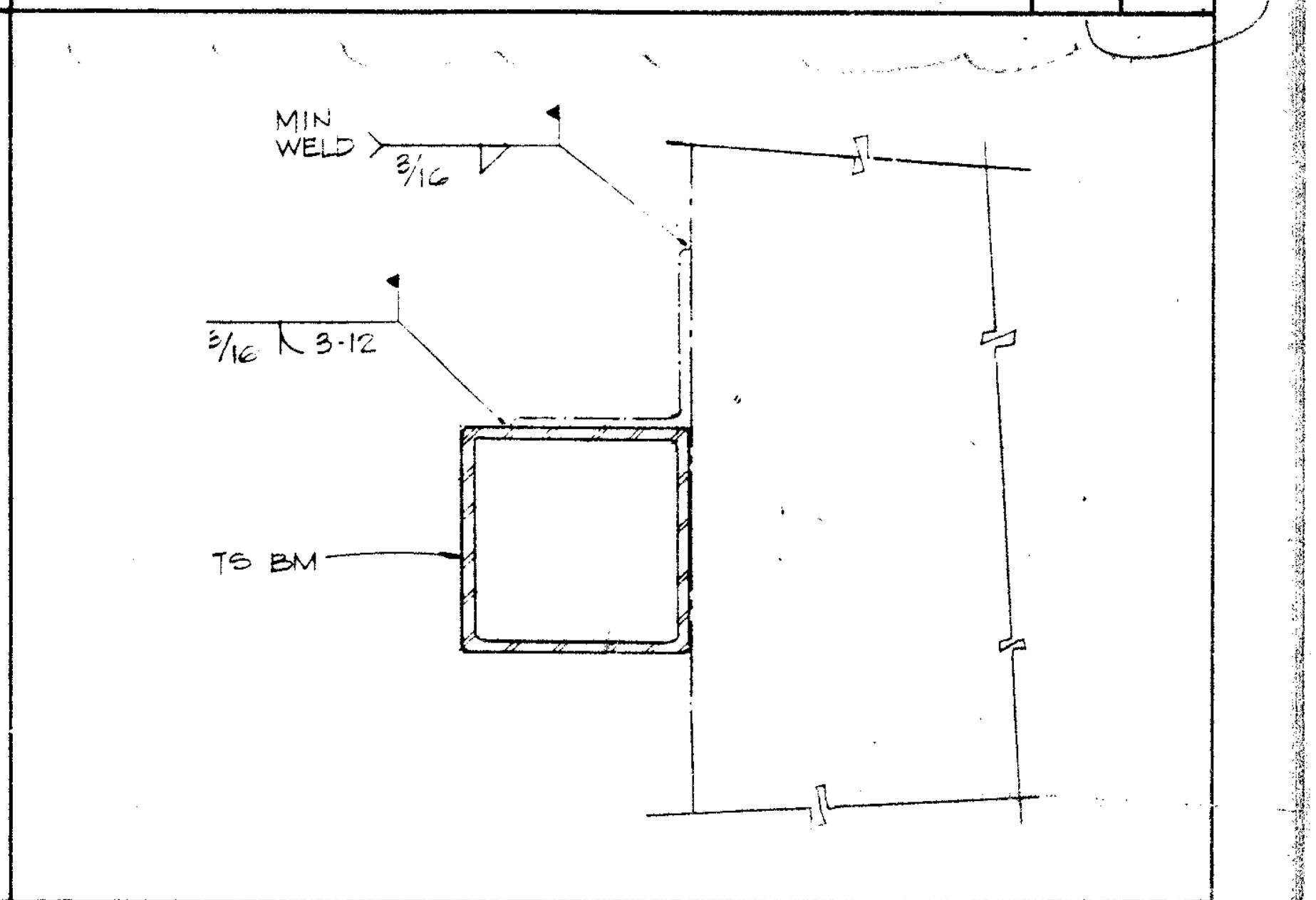
E.N.
15 / TS-5 SIM.
I-JOIST-TYP.
STUDS @ 16" o.c.
12 / TS-7 AT COL TYP
SOFFIT LINE
STL TUBE
6 / TS-3
FOR CONST BELOW SEE 3A / TS-8
(N.I.C.)
BLDG #6

SECTION 3/4" 5



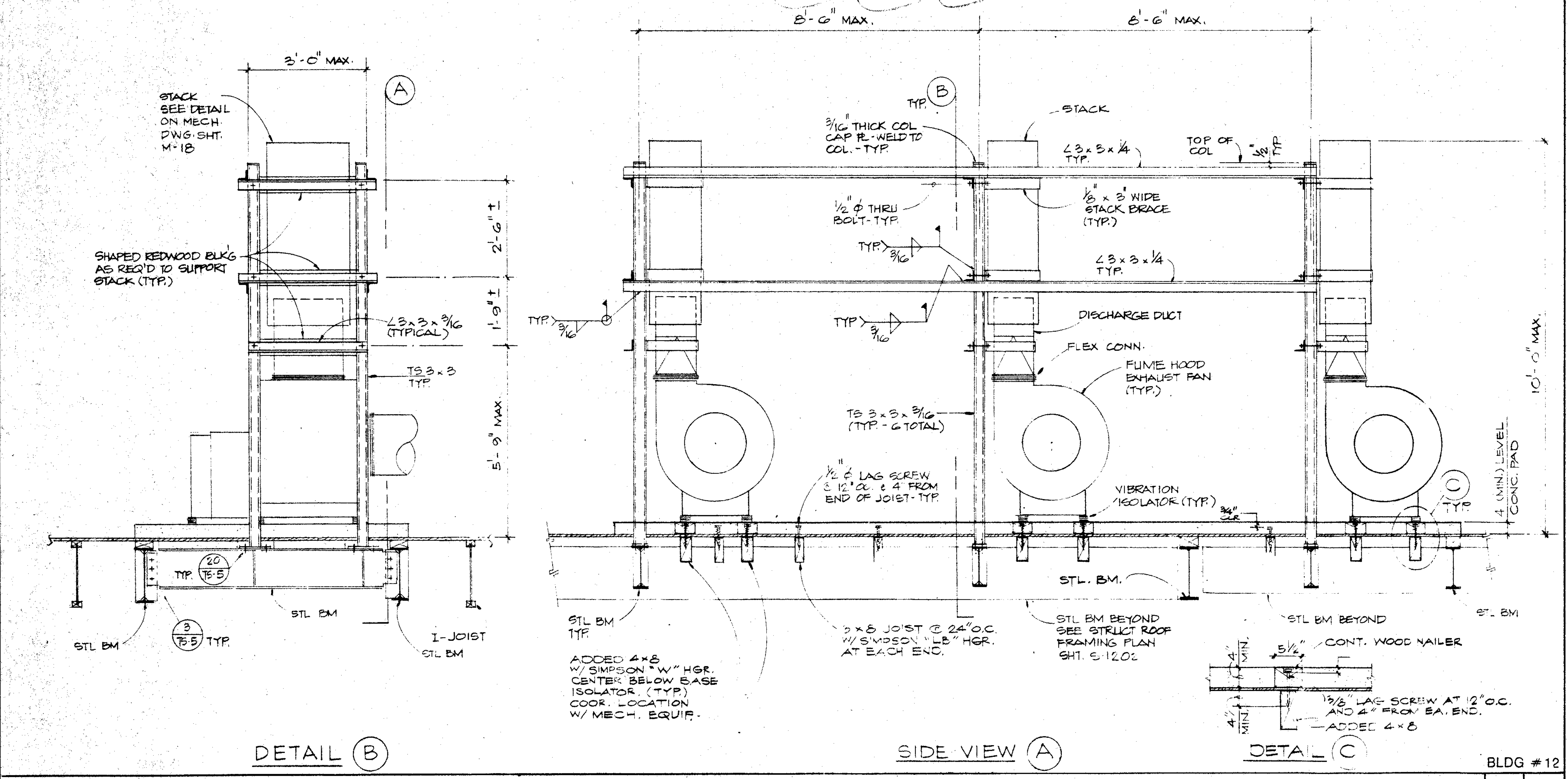
STL BM
STL PL SAME WIDTH & THICKNESS AS BM FLANGE
¢ BM & COL.
1/4
4-3/4" φ BOLTS
11 / TS-5 TYP.
12 / TS-5 SIM.
2 / TS-5
BENT BM
TUBE COL.
(N.I.C.)
BLDG #6

DETAIL 3/4" 3



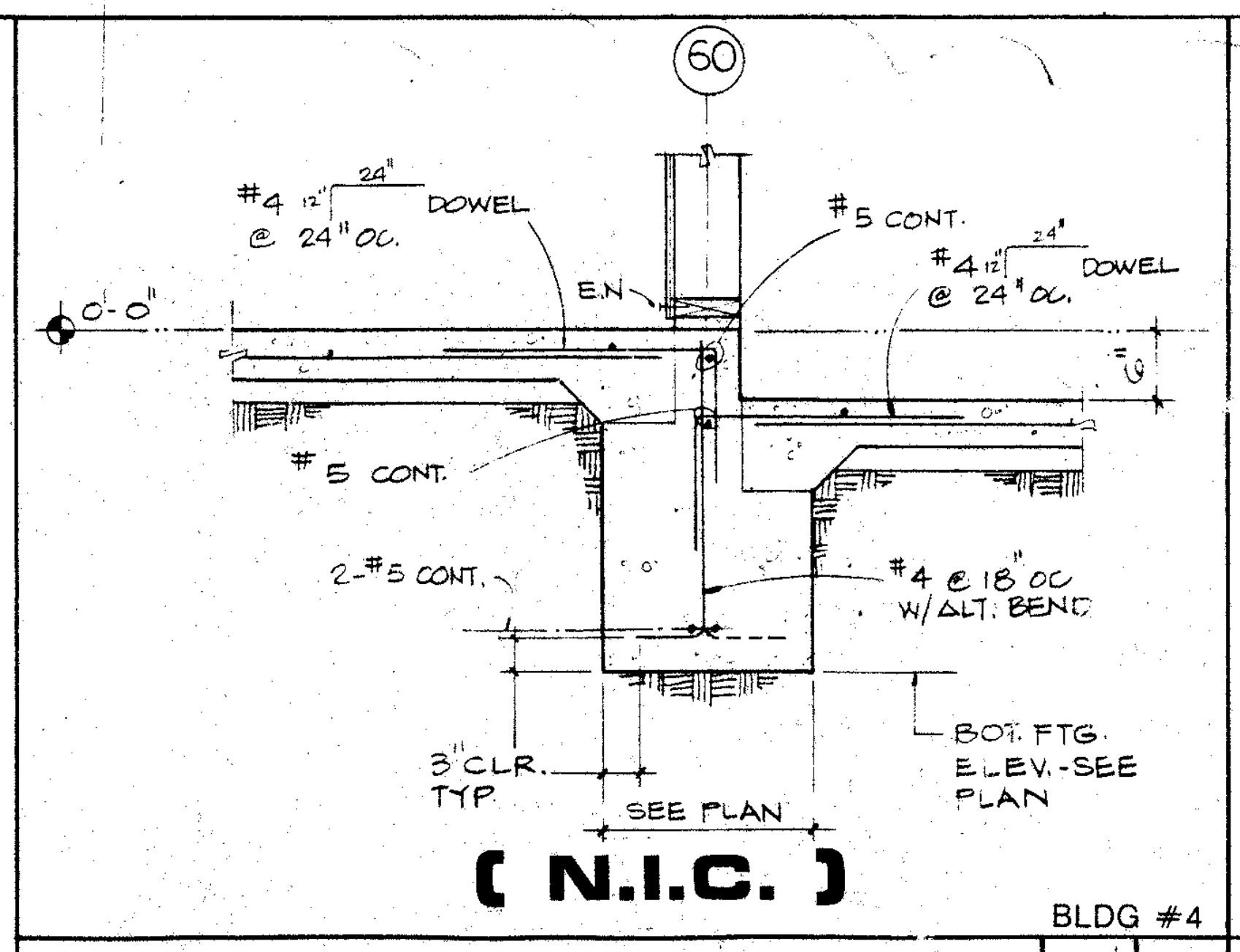
MIN WELD 3/16
3/16 3-12
TS BM

SECTION 3" 2



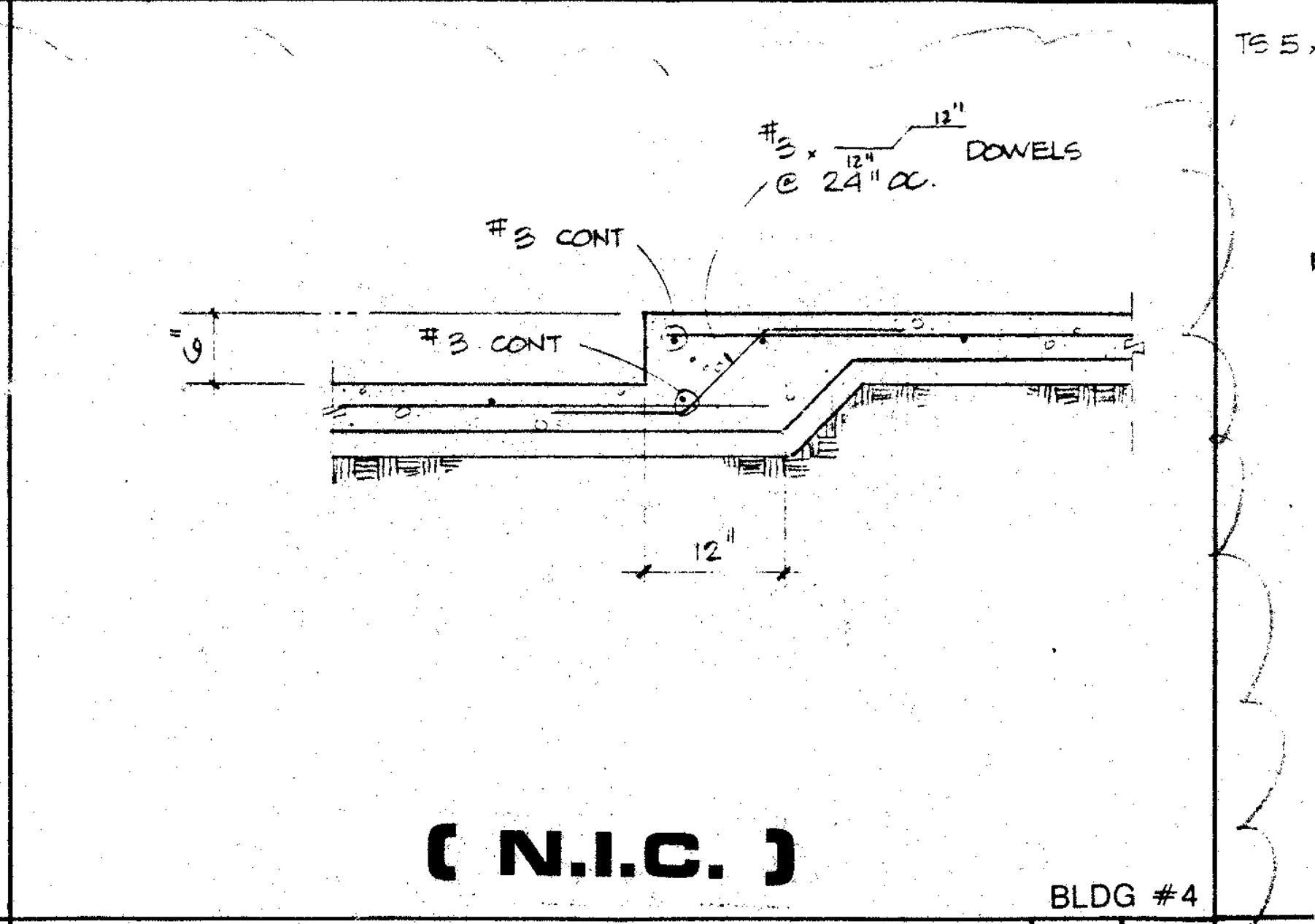
3'-0" MAX.
A
STACK SEE DETAIL ON MECH DWG. SHT. M-1B
SHAPED REDWOOD BLKG AS REQ'D TO SUPPORT STACK (TYP.)
L3 x 3 x 3/16 (TYPICAL)
TS 3 x 3 TYP
2'-6" ±
1'-9" ±
5'-9" MAX.
TYP. 20 / TS-5
STL BM
3 / TS-5 TYP.
STL BM
I-JOIST
STL BM
DETAIL B
8'-0" MAX.
8'-0" MAX.
B
3/16" THICK COL CAP PL - WELD TO COL - TYP.
STACK
L3 x 3 x 1/4 TYP.
TOP OF COL
1/2" φ THRU BOLT - TYP.
1/8 x 3" WIDE STACK BRACE (TYP.)
L3 x 3 x 1/4 TYP.
DISCHARGE DUCT
FLEX CONN.
FUME HOOD EXHAUST FAN (TYP.)
TS 3 x 3 x 3/16 (TYP. - 6 TOTAL)
1/2" φ LAG SCREW @ 12" o.c. & 4" FROM END OF JOIST - TYP.
VIBRATION ISOLATOR (TYP.)
10'-0" MAX.
4" MIN LEVEL CONC. PAD
C
STL. BM.
STL BM TYP.
2 x 8 JOIST @ 24" o.c. W/ SIMPSON "LB" HGR. AT EACH END.
STL BM BEYOND SEE STRUCT ROOF FRAMING PLAN SHT. S-1.20
ADDED 4x8 W/ SIMPSON "W" HGR. CENTER BELOW BASE ISOLATOR (TYP.) COOR. LOCATION W/ MECH. EQUIP.
SIDE VIEW A
STL BM BEYOND
CONT. WOOD NAILER
STL BM
1/2" φ LAG SCREW AT 12" o.c. AND 4" FROM EA. END.
ADDED 4x8
DETAIL C
BLDG #12

FUME HOOD EXHAUST SUPPORT DETAIL NO SCALE 8



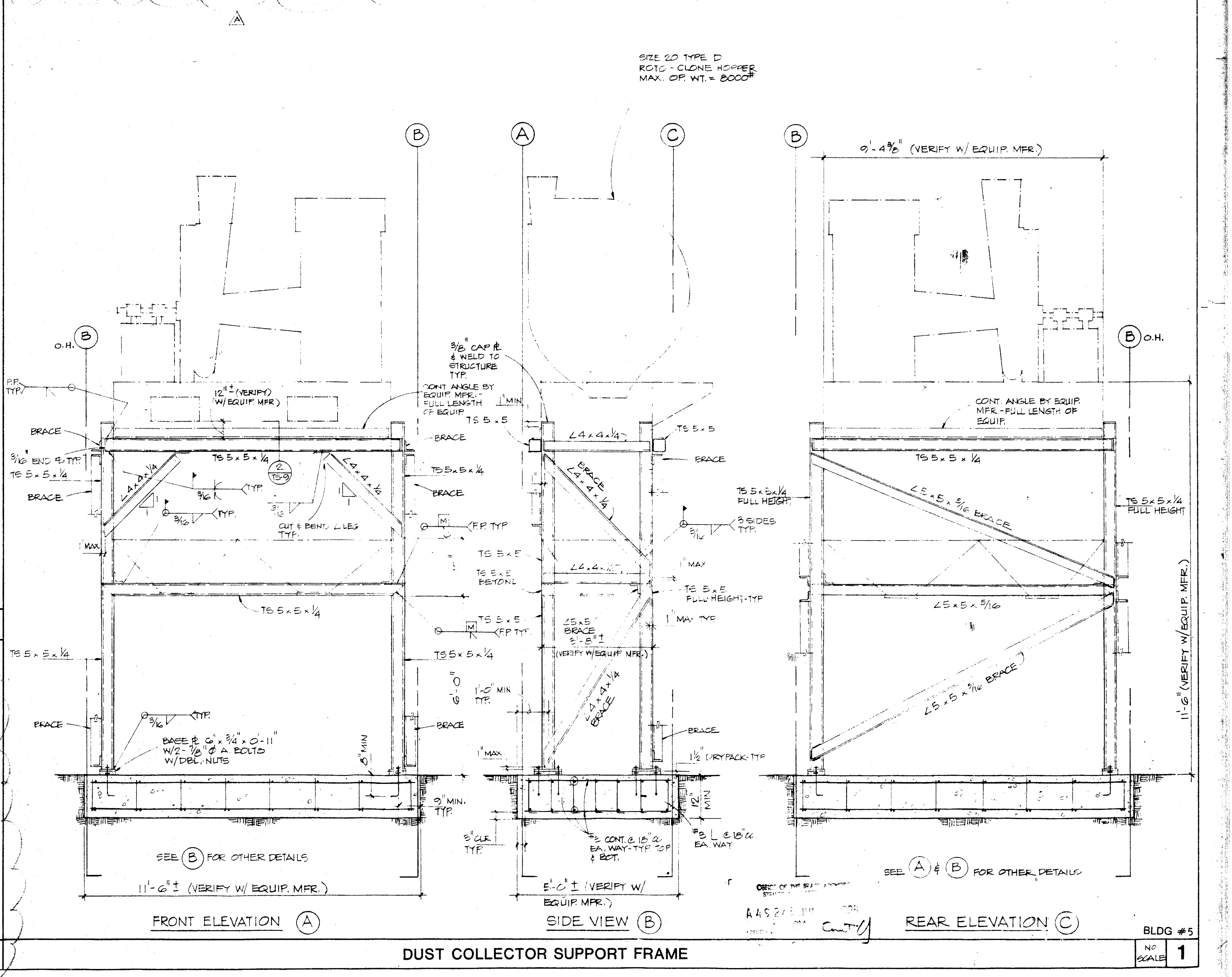
60
0'-0"
#4 @ 24" o.c. 24" DOWEL
E.N.
#5 CONT.
#4 @ 24" o.c. DOWEL
#5 CONT.
2-#5 CONT.
#4 @ 18" o.c. W/ ALT. BEND
3" CLR. TYP
SEE PLAN
BOT. FTG. ELEV. - SEE PLAN
(N.I.C.)
BLDG #4

SECTION 3/4" 9



#3 @ 24" o.c. 12" DOWELS
#3 CONT
#3 CONT
12"
(N.I.C.)
BLDG #4

SECTION 3/4" 7



SIZE 20 TYPE D ROTO - CLONE HOPPER MAX. OP. WT. = 8000#
B
A
C
B
9'-4 3/8" (VERIFY W/ EQUIP. MFR.)
O.H. B
B O.H.
P.P. TYP.
12" ± (VERIFY W/ EQUIP. MFR.)
3/8" CAP PL & WELD TO STRUCTURE TYP.
CONT. ANGLE BY EQUIP. MFR. - FULL LENGTH OF EQUIP.
TS 5 x 5
BRACE
3/16 END PL TYP.
TS 5 x 5 x 1/4
BRACE
TS 5 x 5 x 1/4
2 / TS-8
L4 x 4 x 1/4
L4 x 4 x 1/4
CUT & BENT L LEG TYP.
TS 5 x 5 x 1/4
BRACE
MAX
FP TYP
TS 5 x 5
TS 5 x 5 BEYOND
TS 5 x 5
FP TYP
TS 5 x 5 x 1/4
TS 5 x 5 x 1/4
TS 5 x 5 x 1/4
BRACE
BASE PL 6 x 3/4 x 0-11 W/ 2 - 7/8" φ A BOLTS W/ DBL. NUTS
6" MIN
BRACE
6'-0"
1'-0" MIN TYP.
9" MIN. TYP.
3" CLR. TYP.
SEE B FOR OTHER DETAILS
11'-6" ± (VERIFY W/ EQUIP. MFR.)
FRONT ELEVATION A
TS 5 x 5
L4 x 4 x 1/4
BRACE
L4 x 4 x 1/4
BRACE L4 x 4 x 1/4
BRACE
L4 x 4 x 1/4 BRACE
L5 x 5 BRACE
(VERIFY W/ EQUIP. MFR.)
BRACE
1 1/2" DRYPACK - TYP.
#5 CONT. @ 18" o.c. EA. WAY - TYP. TOP & BOT.
#5 L @ 18" o.c. EA. WAY
12" MIN
5'-0" ± (VERIFY W/ EQUIP. MFR.)
SIDE VIEW B
TS 5 x 5 x 1/4 FULL HEIGHT
3 SIDES TYP.
TS 5 x 5 FULL HEIGHT - TYP.
MAX TYP
CONT. ANGLE BY EQUIP. MFR. - FULL LENGTH OF EQUIP.
TS 5 x 5 x 1/4
L5 x 5 x 3/16 BRACE
L5 x 5 x 3/16
L5 x 5 x 3/16 BRACE
TS 5 x 5 x 1/4 FULL HEIGHT
11'-6" ± (VERIFY W/ EQUIP. MFR.)
SEE A & B FOR OTHER DETAILS
REAR ELEVATION C
BLDG #5

DUST COLLECTOR SUPPORT FRAME NO SCALE 1

Drawn By	MN
Checked By	SRU
Date	MAR. 1988
Commission No	1 30 02

Revisions
△ 6-29-88

Brandow & Johnston Assoc.
Structural Engineers

No. 956
EXP. 12-31-88

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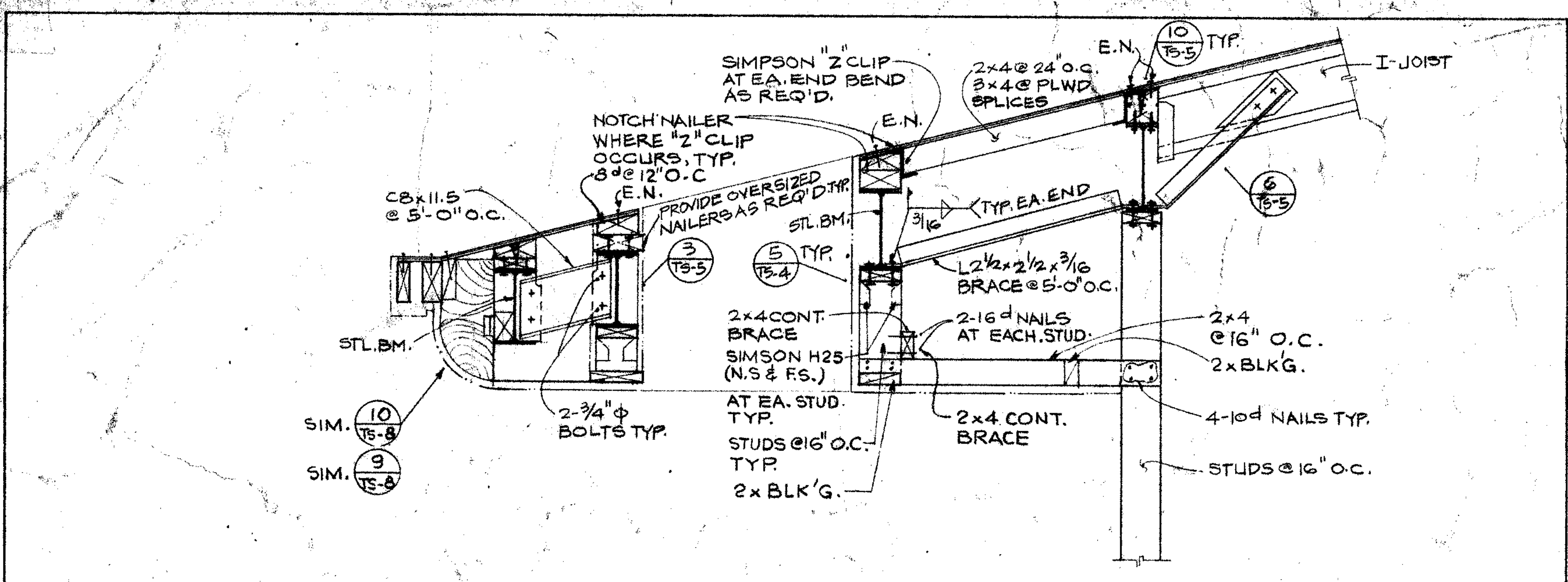
ARCHITECT
C-6497

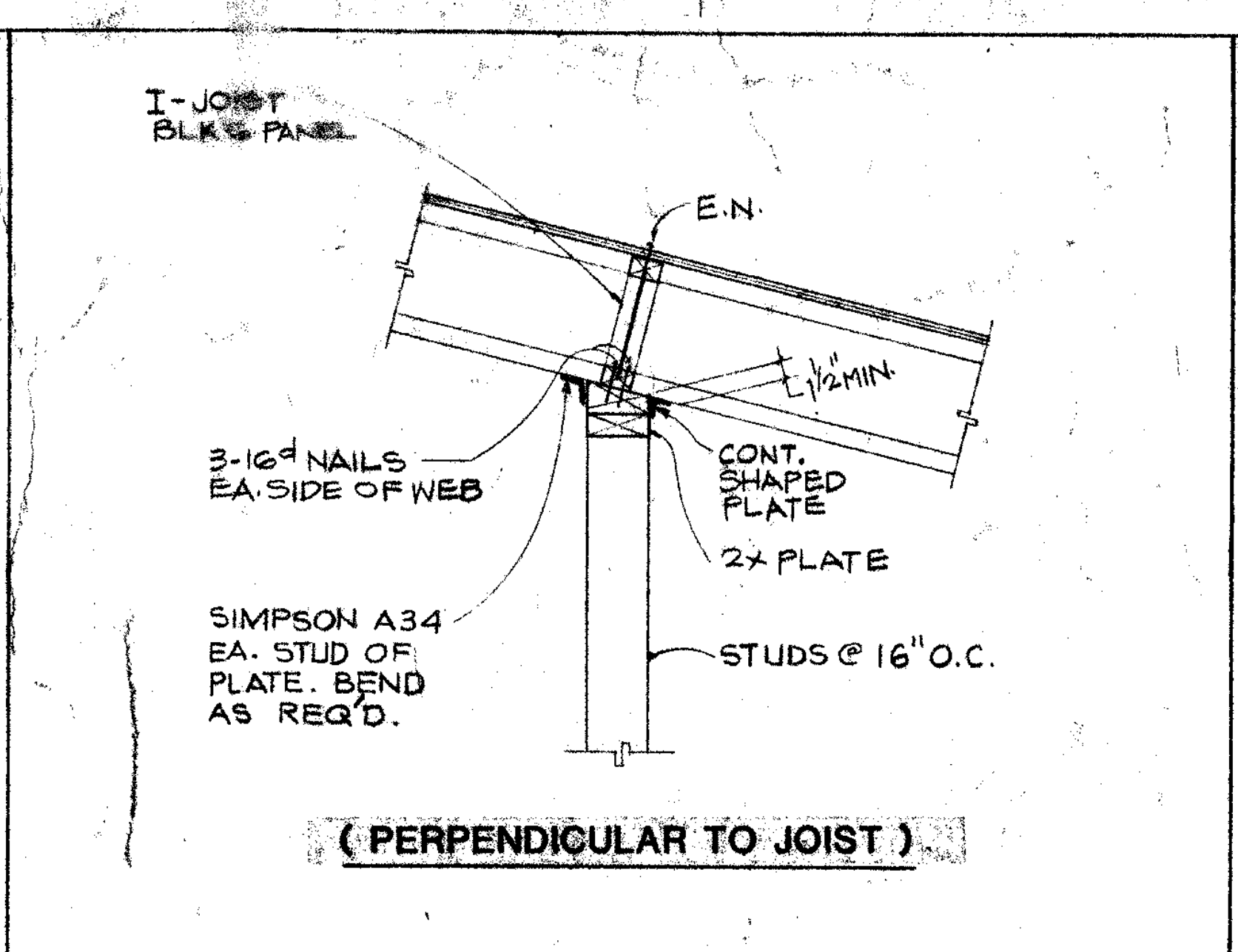
West Hills High School
Grossmont Union High School District
San Diego, Ca **San Diego County**

SECTIONS AND DETAILS

Sheet Number
TS-9
Of Sheets

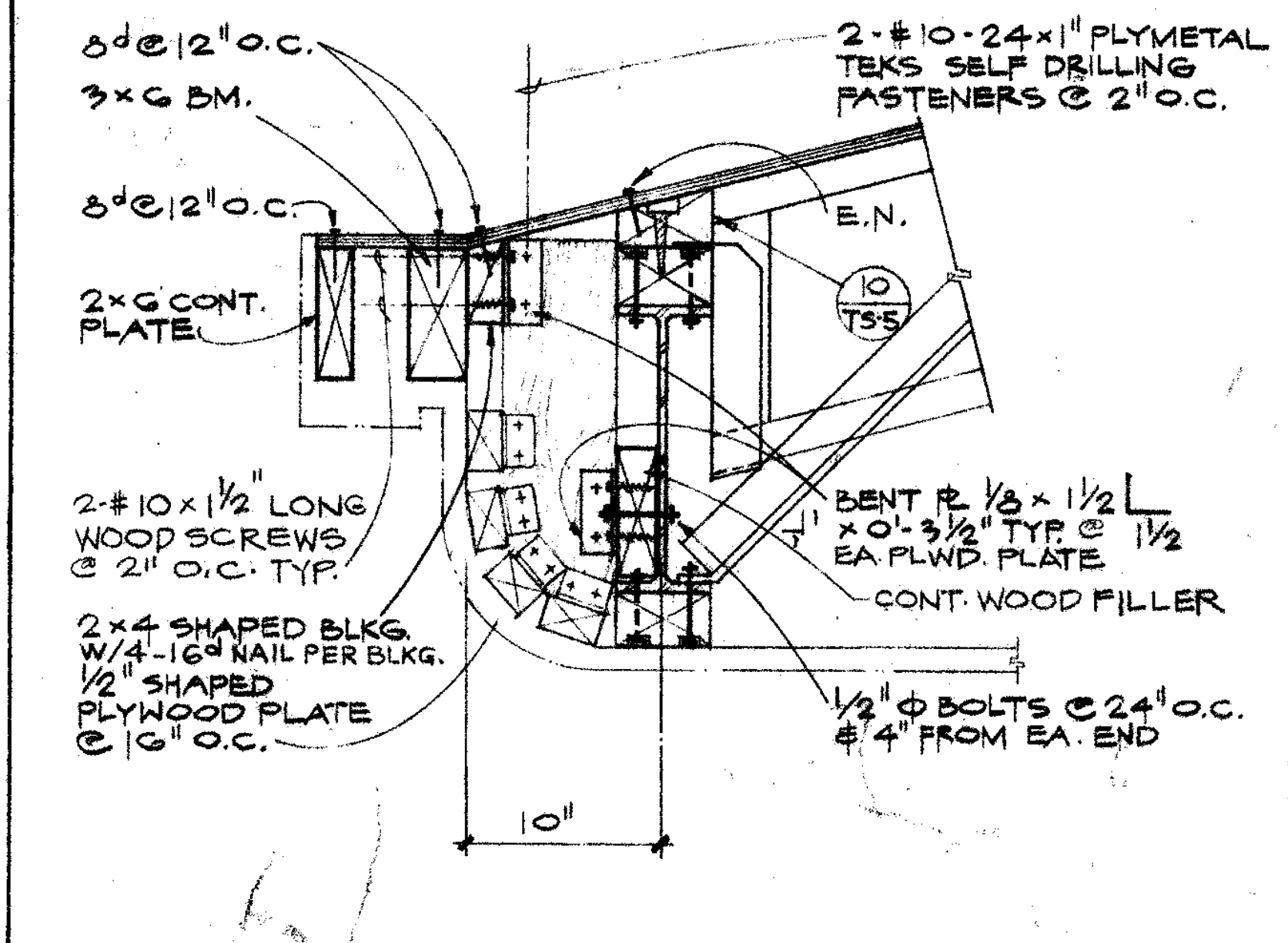

SIMPSON "Z" CLIP AT EA. END BEND AS REQ'D.
2×4 @ 24" O.C. & 2×4 @ PLWD. SPLICES
E.N.
10 TS-5 TYP.
I-JOIST
NOTCH NAILER WHERE "Z" CLIP OCCURS, TYP. 8d @ 12" O.C.
E.N.
PROVIDE OVERSIZED NAILERS AS REQ'D TYP.
C8×11.5 @ 5'-0" O.C.
STL. BM.
3/16 TYP. EA. END
5 TS-4 TYP.
L2½×2½×3/16 BRACE @ 5'-0" O.C.
6 TS-5
2×4 CONT. BRACE
SIMSON H2.5 (N.S & F.S.) AT EA. STUD TYP.
STUDS @ 16" O.C. TYP.
2×BLK'G.
2-16d NAILS AT EACH STUD
2×4 @ 16" O.C.
2×BLK'G.
2×4 CONT. BRACE
4-10d NAILS TYP.
STUDS @ 16" O.C.
STL. BM.
SIM. 10 TS-5
SIM. 9 TS-5
2-¾" φ BOLTS TYP.

SECTION 3/4" 20

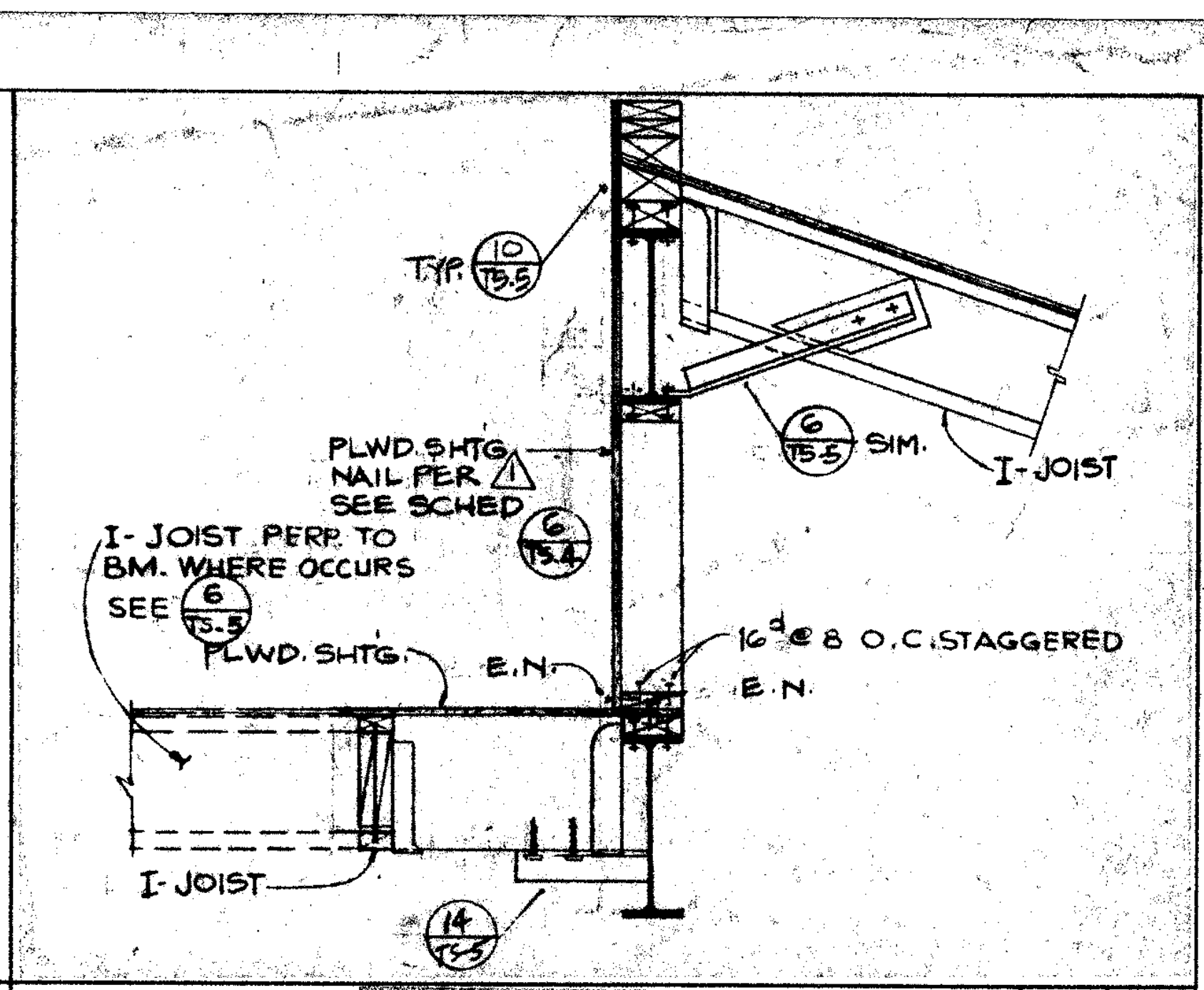

I-JOIST BLK'G PANEL
E.N.
1½" MIN.
3-16d NAILS EA. SIDE OF WEB
CONT. SHAPED PLATE
2× PLATE
SIMPSON A34 EA. STUD OF PLATE. BEND AS REQ'D.
STUDS @ 16" O.C.

(PERPENDICULAR TO JOIST)

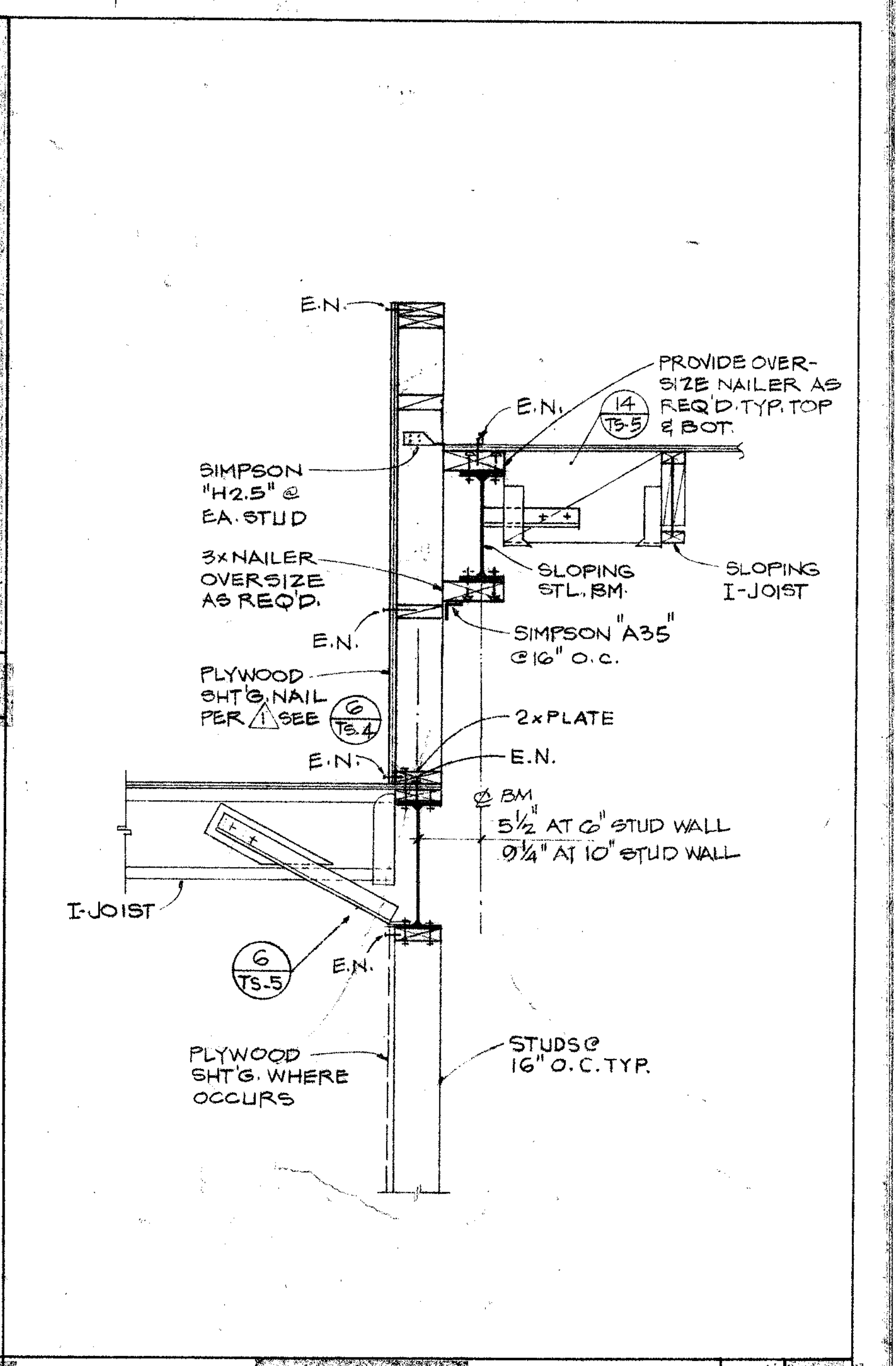
EXTERIOR WALL ANCHORAGE 3/4" 15


8d @ 12" O.C.
3×6 BM.
8d @ 12" O.C.
2×6 CONT. PLATE
2-#10-24×1" PLYMETAL TEKS SELF DRILLING FASTENERS @ 2" O.C.
10 TS-5
2-#10×1½" LONG WOOD SCREWS @ 2" O.C. TYP.
2×4 SHAPED BLK'G W/4-16d NAIL PER BLK'G.
½" SHAPED PLYWOOD PLATE @ 16" O.C.
BENT PL ⅛×1½ ×0'-3½" TYP. @ EA. PLWD. PLATE
CONT. WOOD FILLER
½" φ BOLTS @ 24" O.C. & 4" FROM EA. END
10"

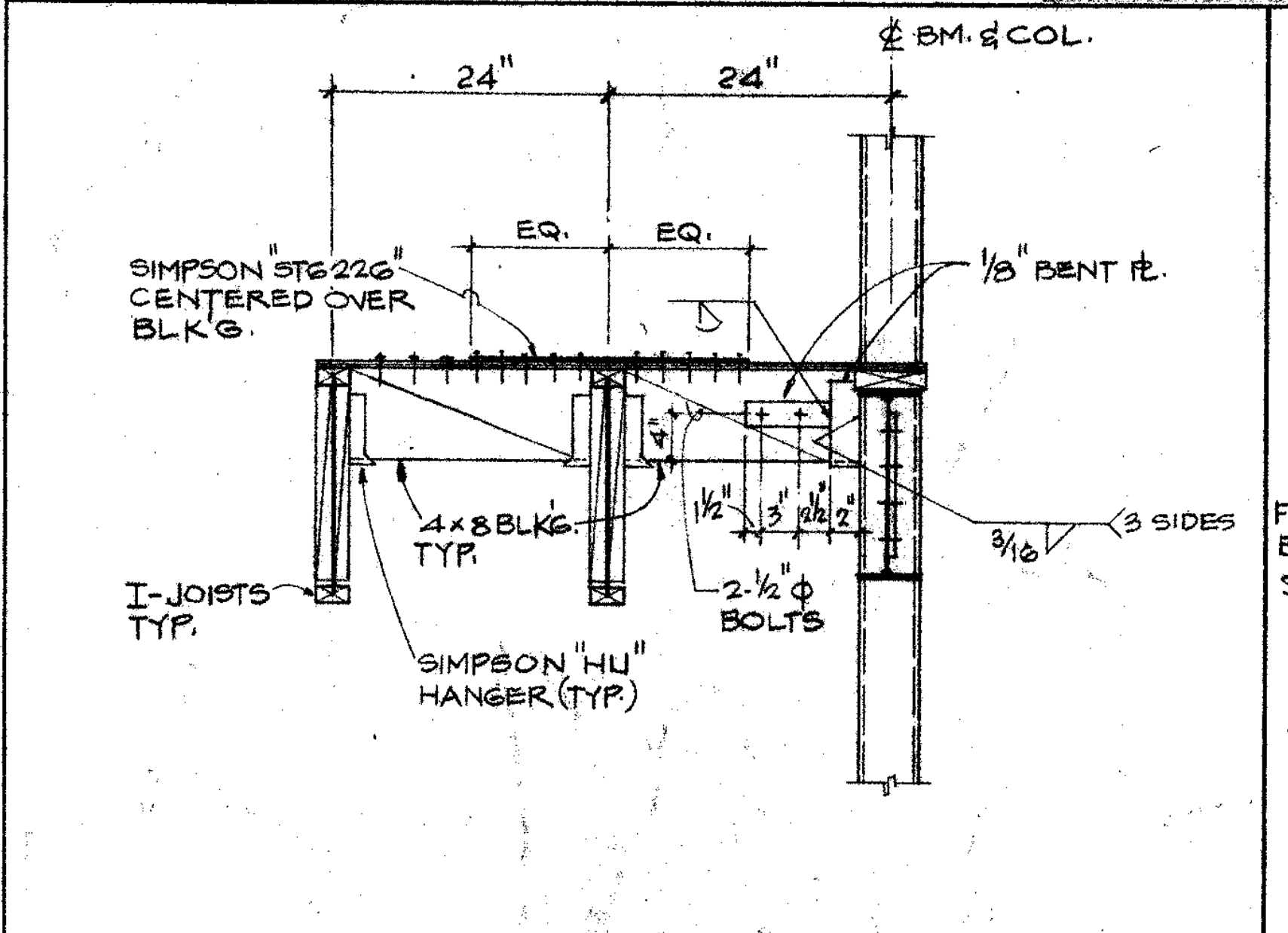
SECTION 1½" 10


TYP. 10 TS-5
PLWD. SHTG. NAIL PER 1 SEE SCHED
6 TS-4
6 TS-5 SIM.
I-JOIST
I-JOIST PERP. TO BM. WHERE OCCURS SEE 6 TS-5
PLWD. SHTG.
E.N.
16d @ 8 O.C. STAGGERED
E.N.
I-JOIST
14 TS-5

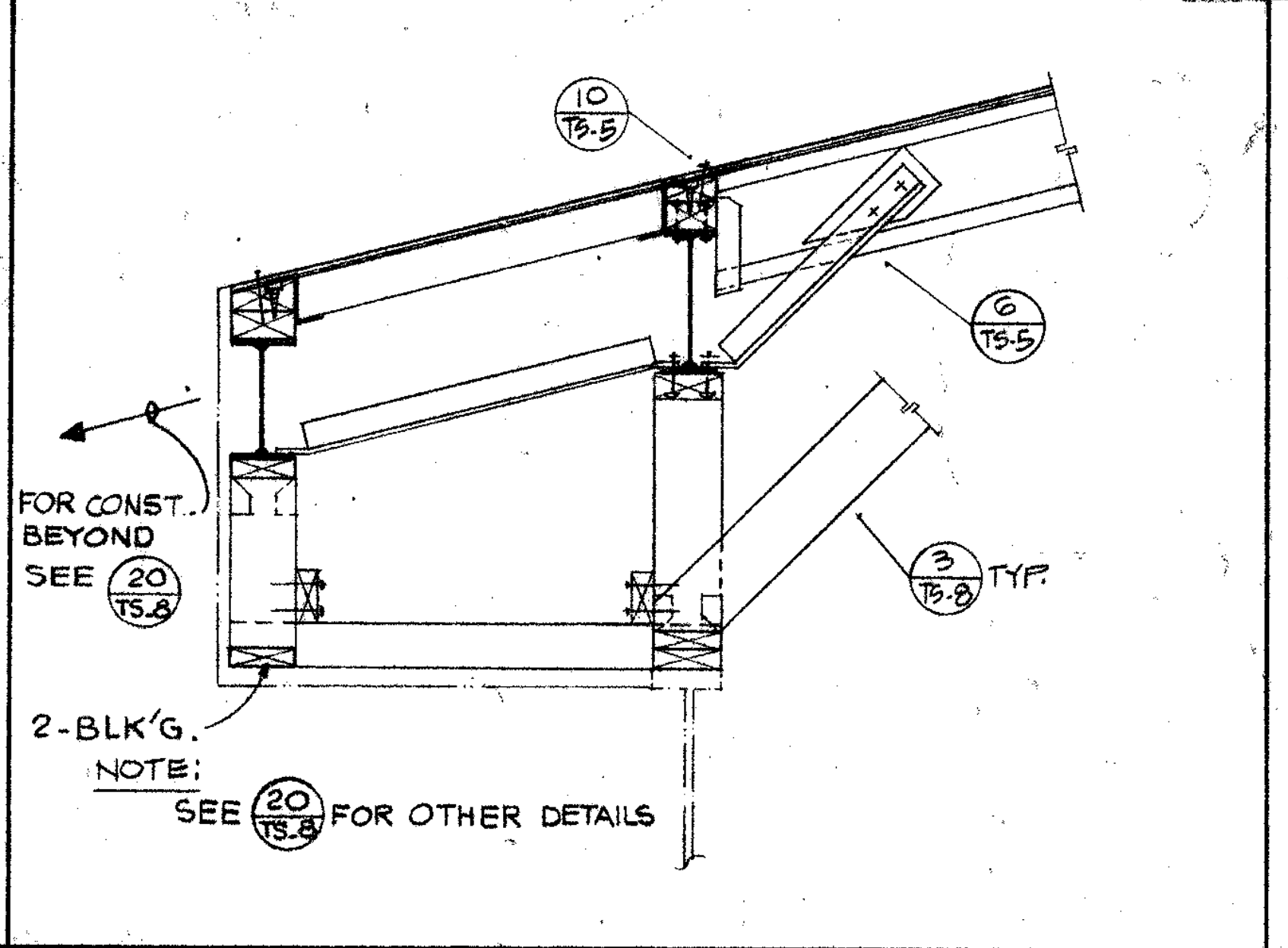
SECTION 3/4" 5


E.N.
E.N.
14 TS-5
PROVIDE OVERSIZE NAILER AS REQ'D TYP. TOP & BOT.
SIMPSON "H2.5" @ EA. STUD
3×NAILER OVERSIZE AS REQ'D.
SLOPING STL. BM.
SLOPING I-JOIST
SIMPSON A35 @ 16" O.C.
E.N.
PLYWOOD SHTG. NAIL PER 1 SEE
6 TS-4
2× PLATE
E.N.
E.N.
φ BM. 5½ AT 6" STUD WALL 9¼ AT 10" STUD WALL
I-JOIST
6 TS-5
E.N.
PLYWOOD SHT'G. WHERE OCCURS
STUDS @ 16" O.C. TYP.

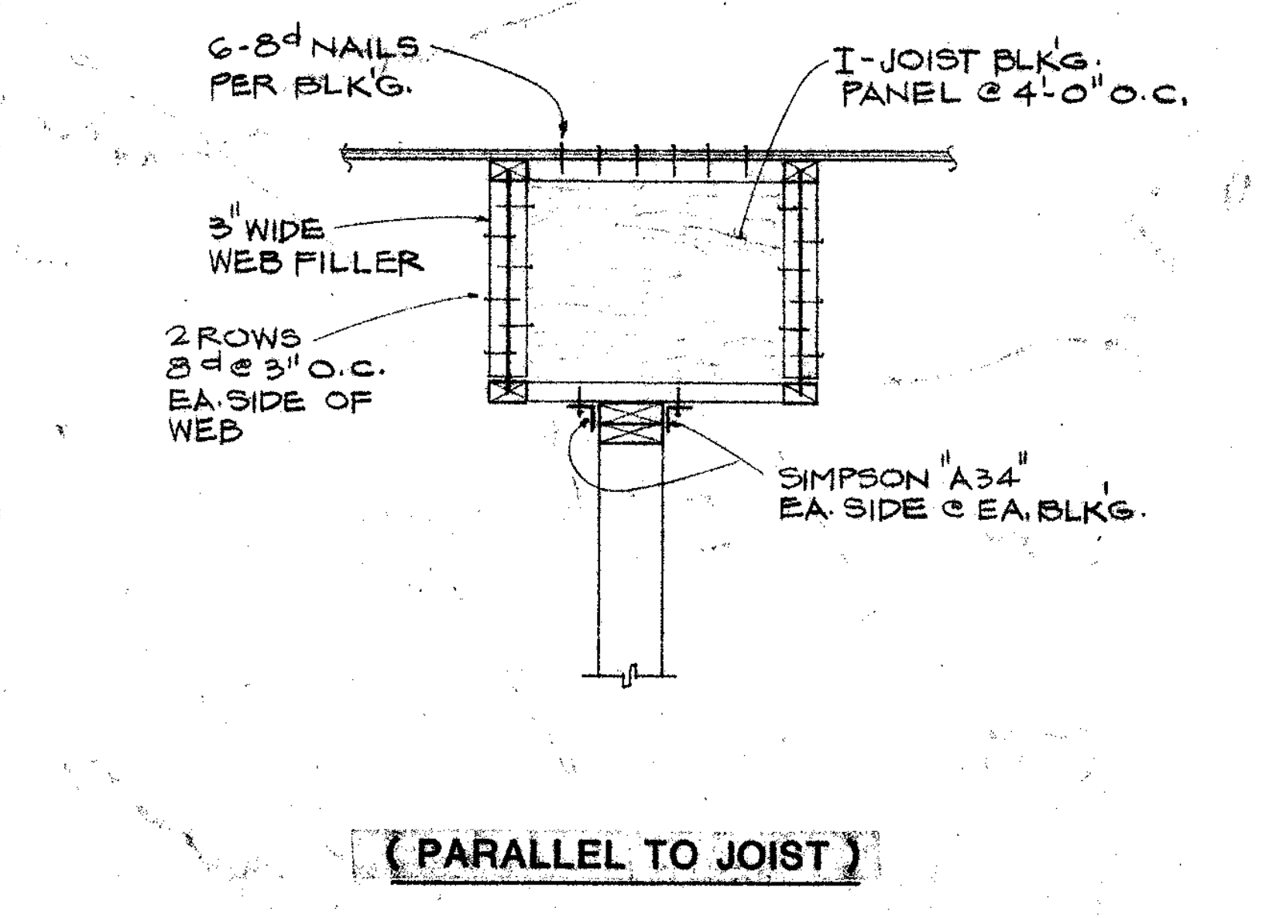
SECTION 3/4 2


24"
24"
℄ BM. & COL.
EQ.
EQ.
SIMPSON "STG226" CENTERED OVER BLK'G.
⅛" BENT PL.
4×8 BLK'G TYP.
1½"
3/16
3 SIDES
I-JOISTS TYP.
2-½" φ BOLTS
SIMPSON "HU" HANGER (TYP.)

DETAIL 3/4" 24

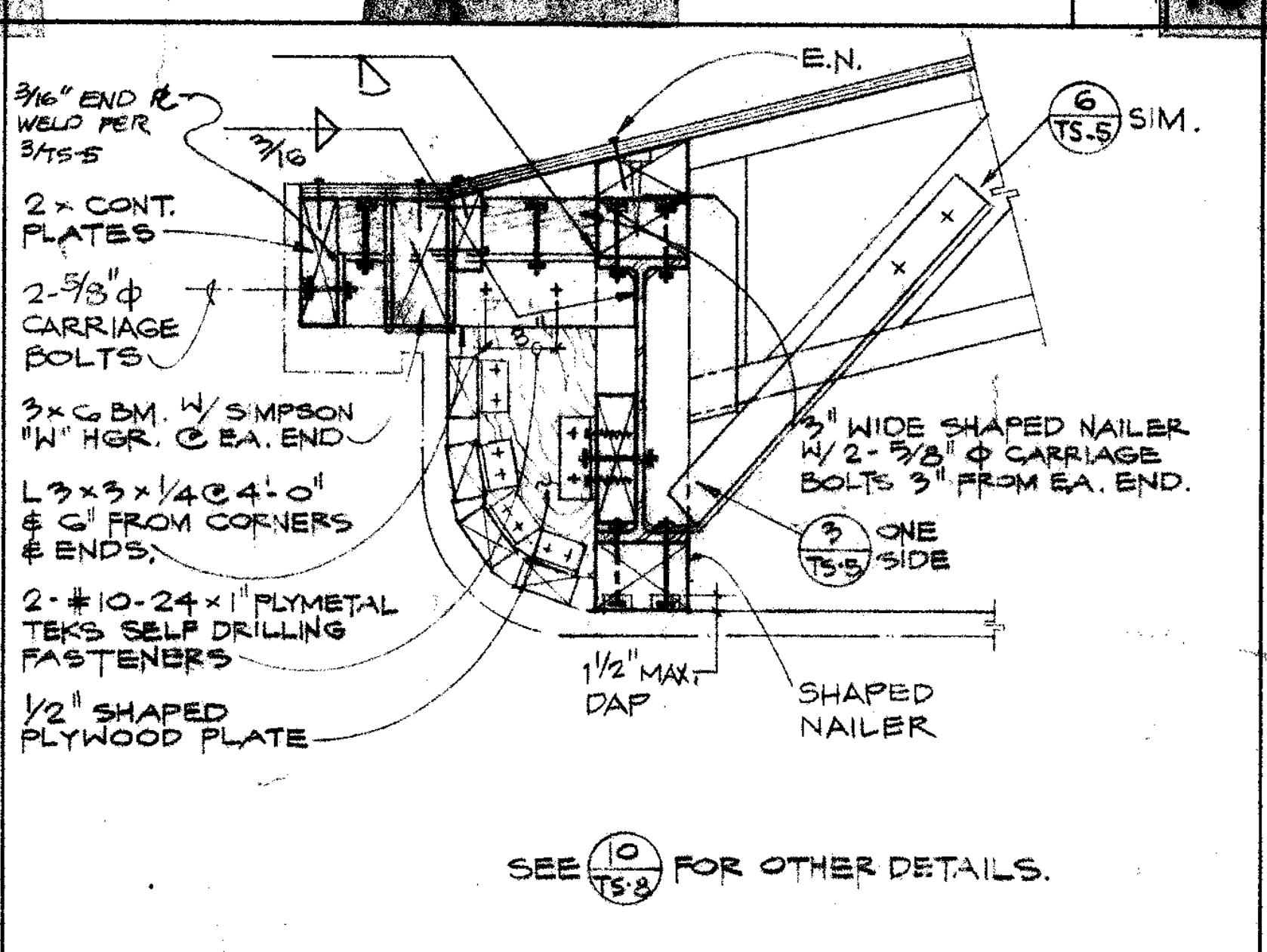

10 TS-5
6 TS-5
FOR CONST. BEYOND SEE 20 TS-8
3 TS-8 TYP.
2-BLK'G.
NOTE: SEE 20 TS-8 FOR OTHER DETAILS

SECTION 3/4" 19

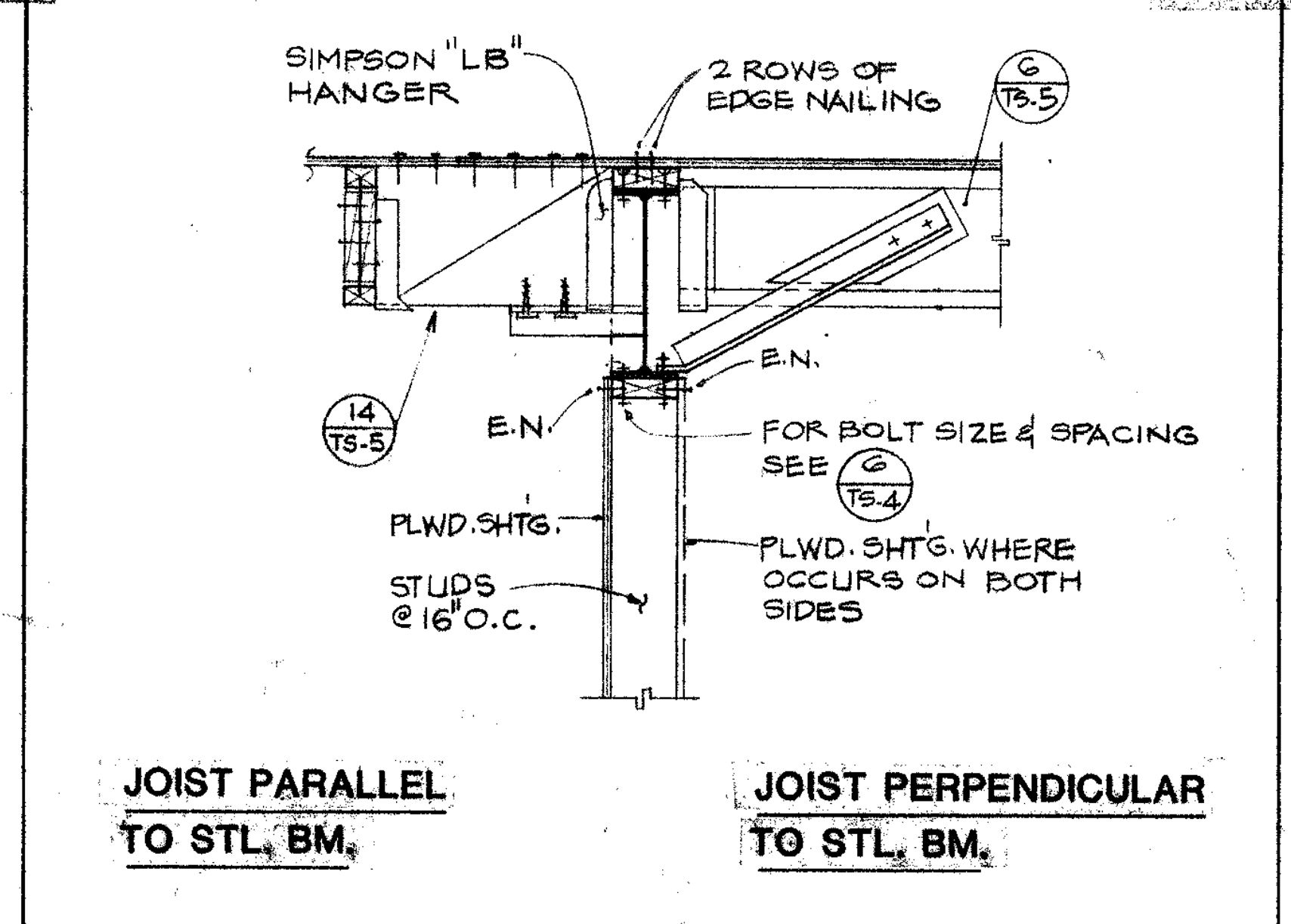

6-8d NAILS PER BLK'G.
I-JOIST BLK'G. PANEL @ 4'-0" O.C.
3" WIDE WEB FILLER
2 ROWS 8d @ 3" O.C. EA. SIDE OF WEB
SIMPSON "A34" EA. SIDE @ EA. BLK'G.

(PARALLEL TO JOIST)

EXTERIOR WALL ANCHORAGE 3/4" 14


3/16" END PL WELD PER 3 TS-5
3/16
E.N.
6 TS-5 SIM.
2× CONT. PLATES
2-⅝" φ CARRIAGE BOLTS
3×6 BM. W/ SIMPSON "H" HGR. @ EA. END
L3×3×¼ @ 4'-0" & 6" FROM CORNERS & ENDS
2-#10-24×1" PLYMETAL TEKS SELF DRILLING FASTENERS
½" SHAPED PLYWOOD PLATE
4" WIDE SHAPED NAILER W/ 2-⅝" φ CARRIAGE BOLTS 3" FROM EA. END
3/16 ONE SIDE
1½" MAX. DAP
SHAPED NAILER
SEE 10 TS-5 FOR OTHER DETAILS.

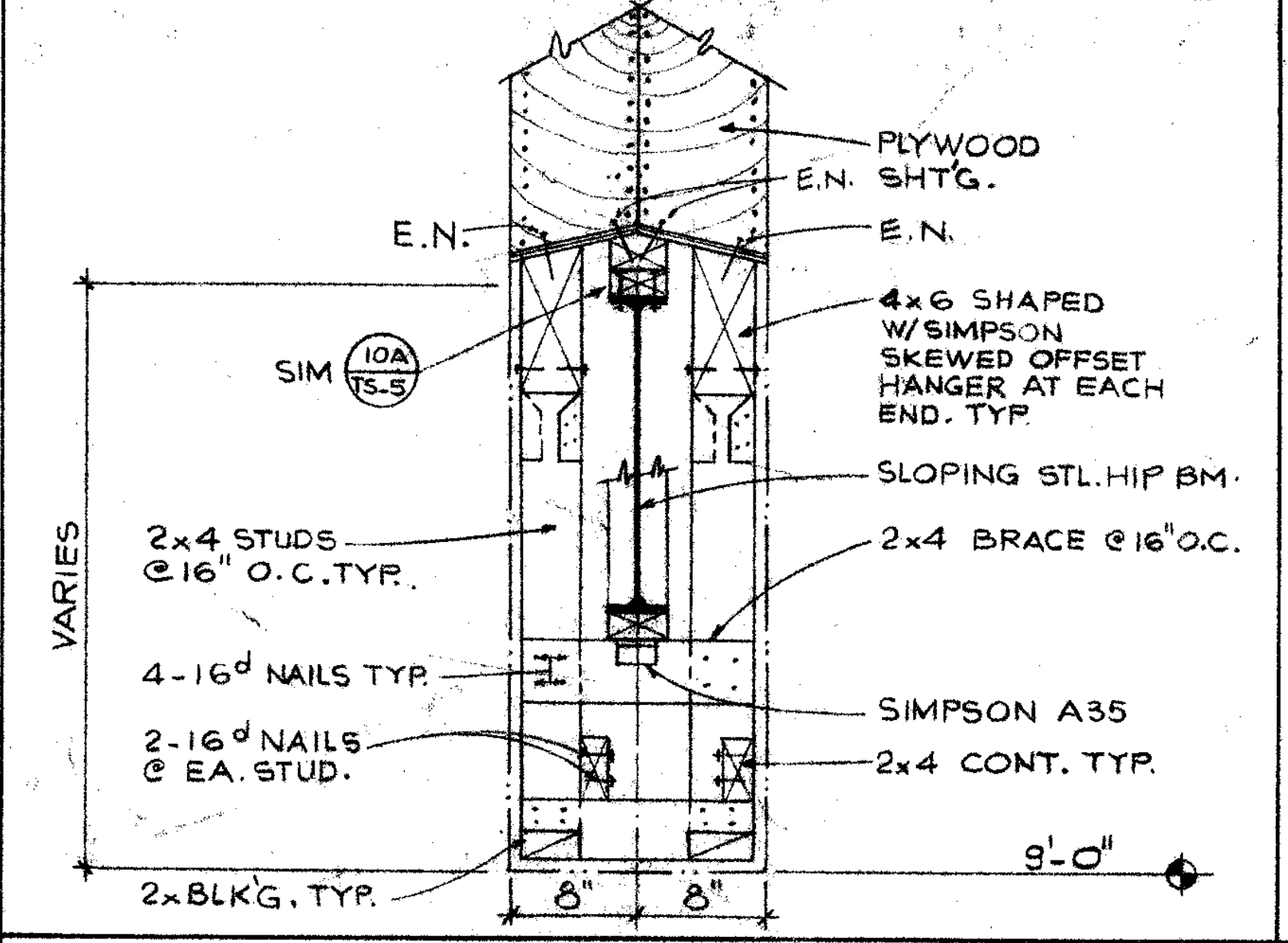
DETAIL 1½" 9


SIMPSON "LB" HANGER
2 ROWS OF EDGE NAILING
6 TS-5
E.N.
14 TS-5
E.N.
FOR BOLT SIZE & SPACING SEE 6 TS-4
PLWD. SHTG.
PLWD. SHTG. WHERE OCCURS ON BOTH SIDES
STUDS @ 16" O.C.

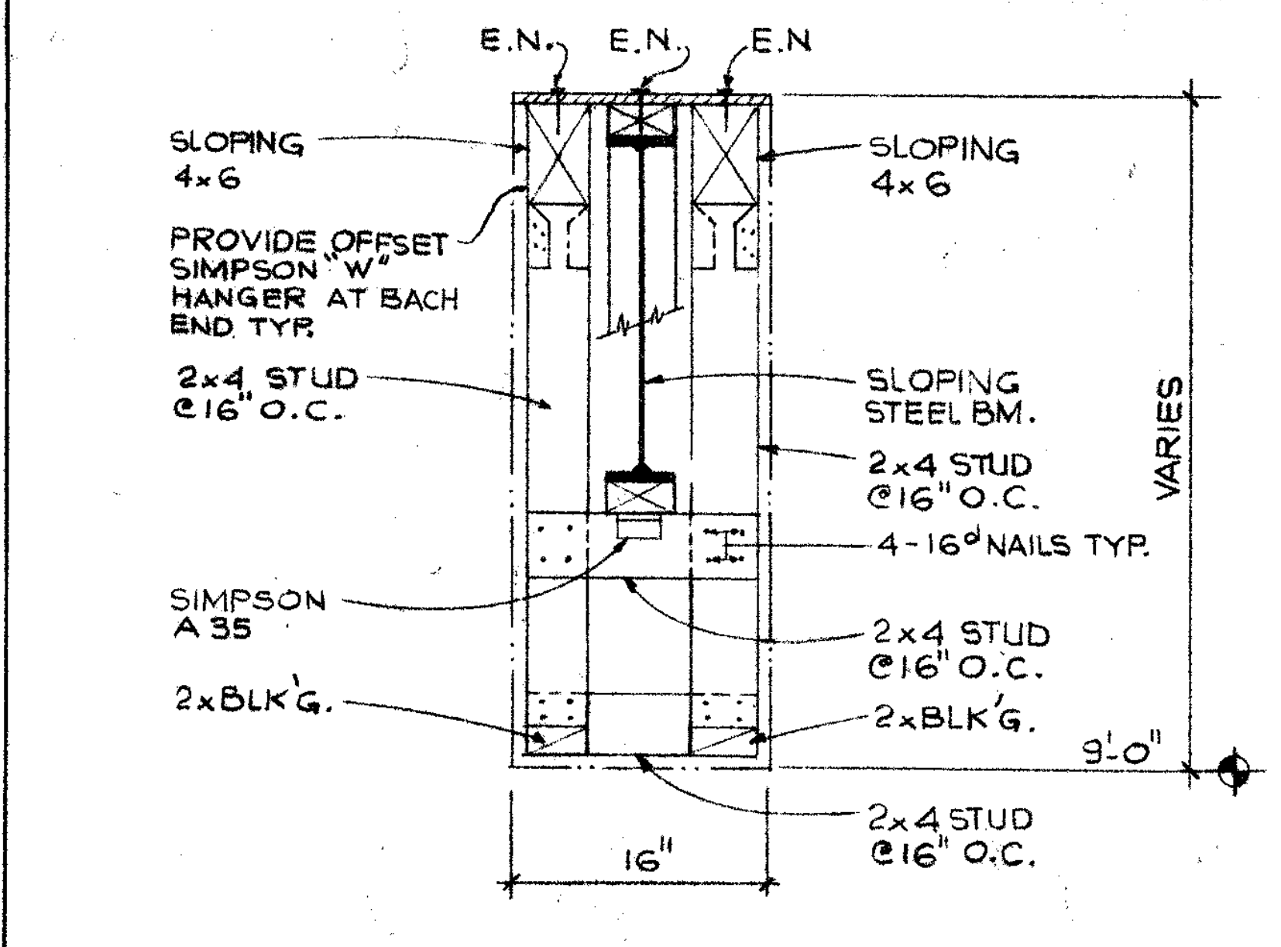
JOIST PARALLEL TO STL. BM.

JOIST PERPENDICULAR TO STL. BM.

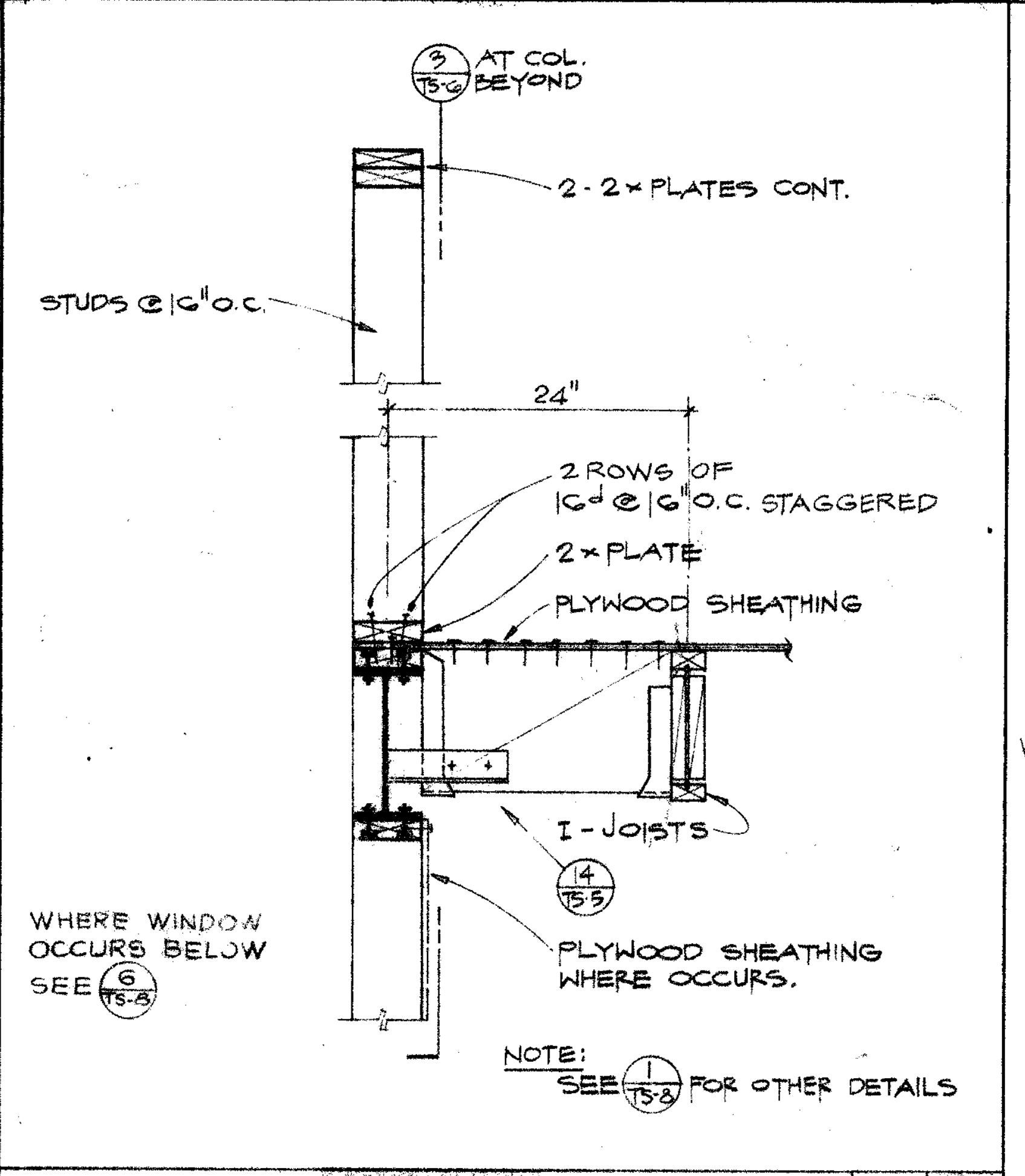
DETAIL 3/4" 4


PLYWOOD
E.N. SHTG.
E.N.
E.N.
SIM 10A TS-5
4×6 SHAPED W/SIMPSON SKEWED OFFSET HANGER AT EACH END. TYP.
SLOPING STL. HIP BM.
VARIES
2×4 STUDS @ 16" O.C. TYP.
2×4 BRACE @ 16" O.C.
4-16d NAILS TYP.
2-16d NAILS @ EA. STUD.
SIMPSON A35
2×4 CONT. TYP.
2×BLK'G. TYP.
8"
8"
9'-0"

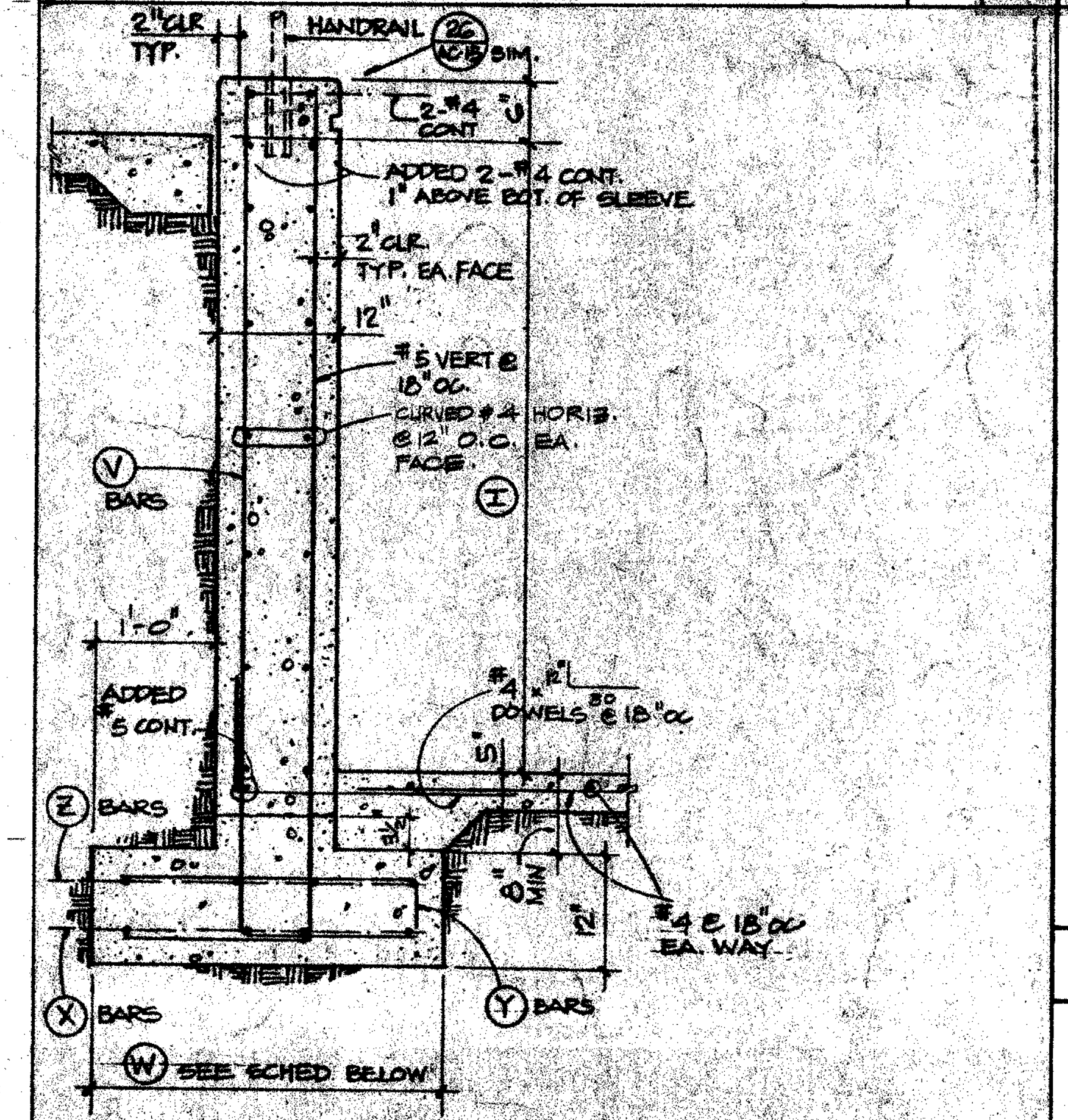
SECTION 1" 23


E.N.
E.N.
E.N.
SLOPING 4×6
SLOPING 4×6
PROVIDE OFFSET SIMPSON "W" HANGER AT EACH END TYP.
SLOPING STEEL BM.
2×4 STUD @ 16" O.C.
2×4 STUD @ 16" O.C.
VARIES
4-16d NAILS TYP.
SIMPSON A35
2×4 STUD @ 16" O.C.
2×BLK'G.
2×BLK'G.
9'-0"
2×4 STUD @ 16" O.C.
16"

SECTION 1" 18


9 TS-5 AT COL. BEYOND
2-2× PLATES CONT.
STUDS @ 16" O.C.
24"
2 ROWS OF 16d @ 16" O.C. STAGGERED
2× PLATE
PLYWOOD SHEATHING
I-JOISTS
14 TS-5
WHERE WINDOW OCCURS BELOW SEE 6 TS-5
PLYWOOD SHEATHING WHERE OCCURS.
NOTE: SEE 1 TS-8 FOR OTHER DETAILS

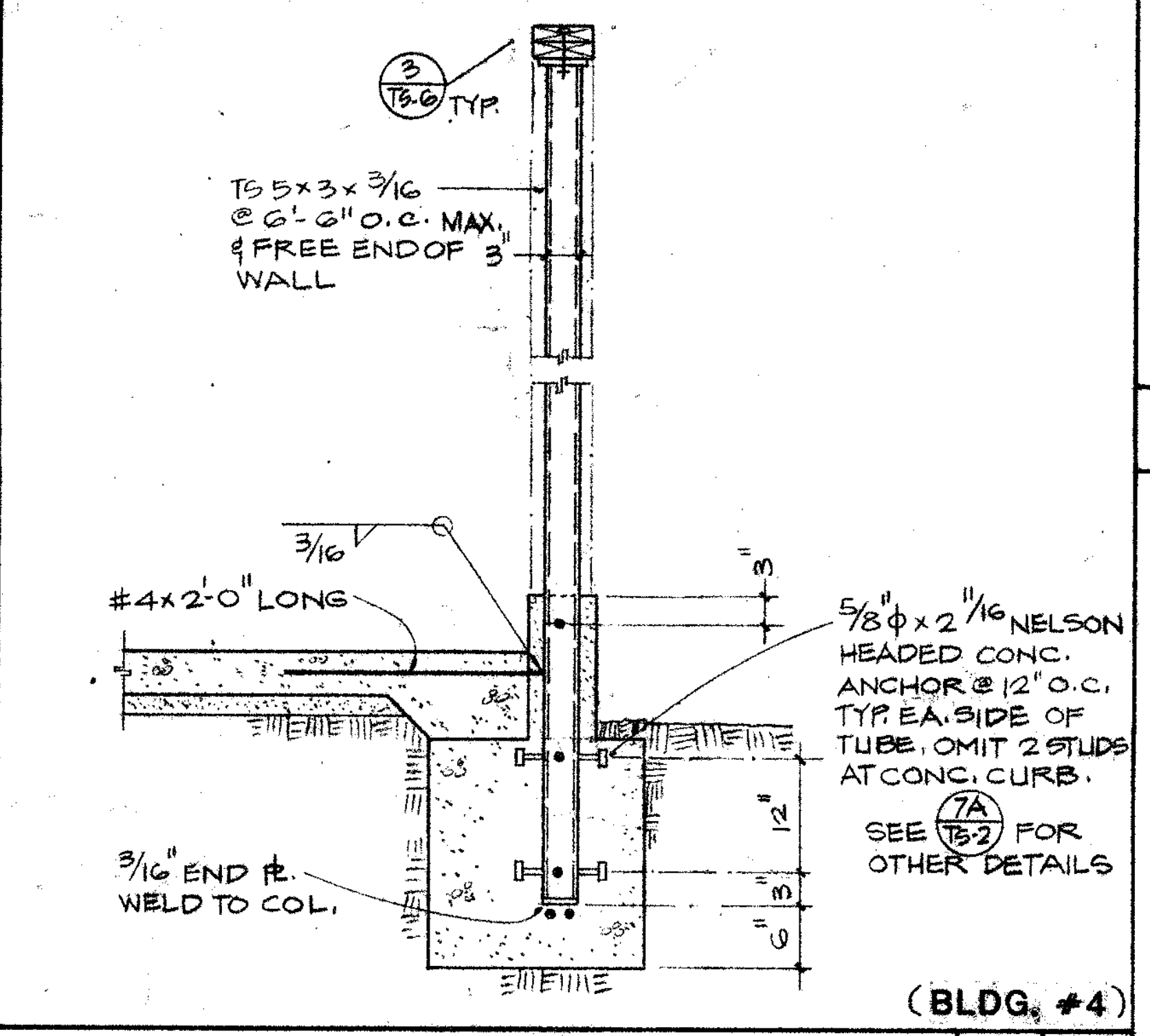
SECTION 1" 7


2"CLR. TYP.
HANDRAIL 2C TS-6 SIM.
2-#4 CONT
ADDED 2-#4 CONT. 1" ABOVE BOT. OF SLEEVE
2"CLR. TYP. EA. FACE
12"
#5 VERT @ 18" O.C.
CURVED #4 HORIZ. @ 12" O.C. EA. FACE
V BARS
H
1'-0"
ADDED 5 CONT.
#4×2'-0" DOWELS @ 18" O.C.
Z BARS
MIN.
#4 @ 18" O.C. EA. WAY.
X BARS
Y BARS
W SEE SCHED BELOW

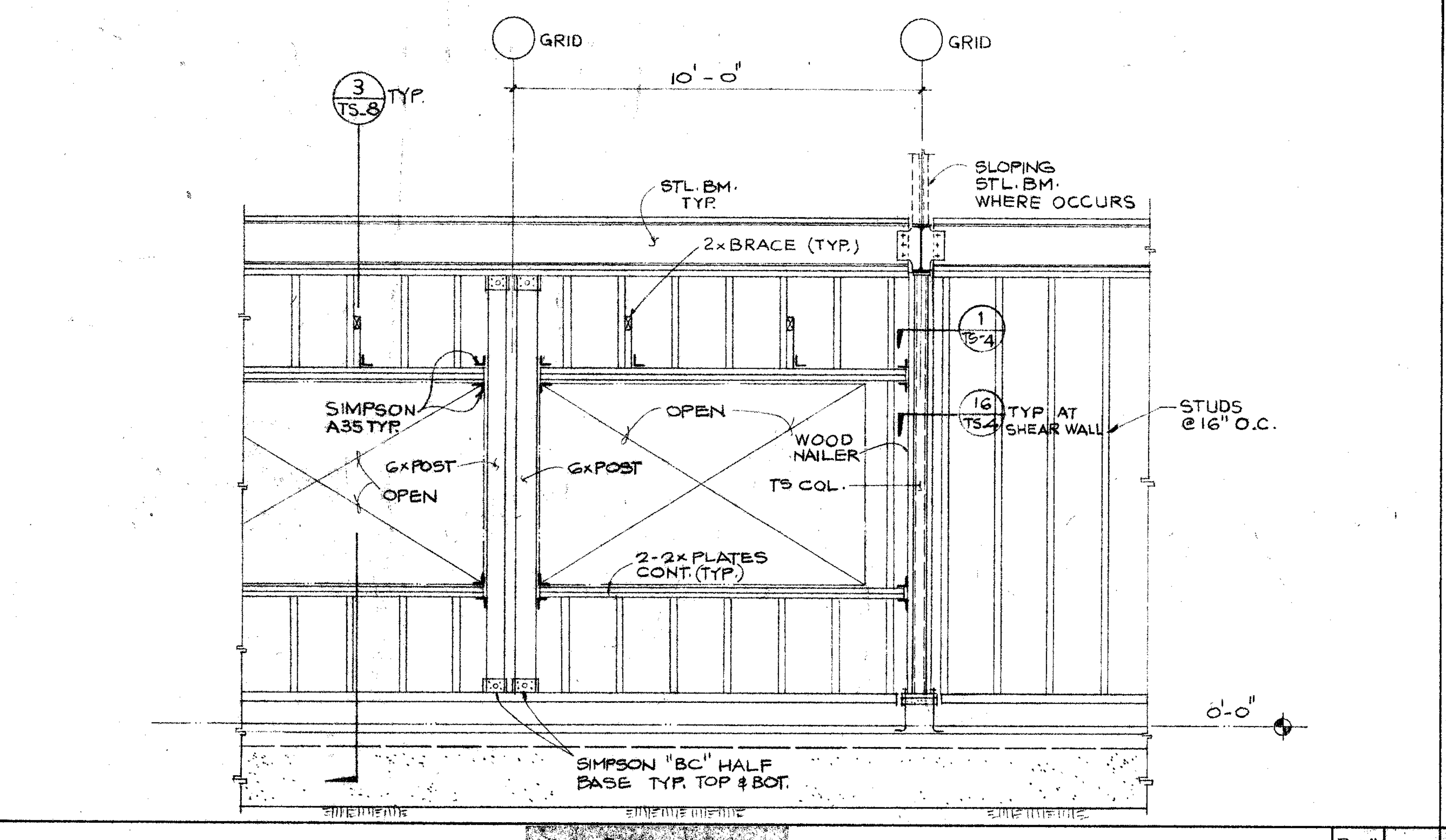
REINFORCING SCHEDULE

(H)	(W)	(V) BARS	(X) BARS	(Y) BARS	(Z) BARS
H < 3'	2'-6"	#5 @ 18" O.C.	4-#4 CONT.	—	—
3' ≤ H < 5'	3'-0"	#5 @ 18" O.C.	4-#5 CONT.	#4 @ 18" O.C.	4-#4 CONT.
5' ≤ H ≤ 7'	4'-6"	#5 @ 12" O.C.	4-#5 CONT.	#5 @ 18" O.C.	4-#5 CONT.

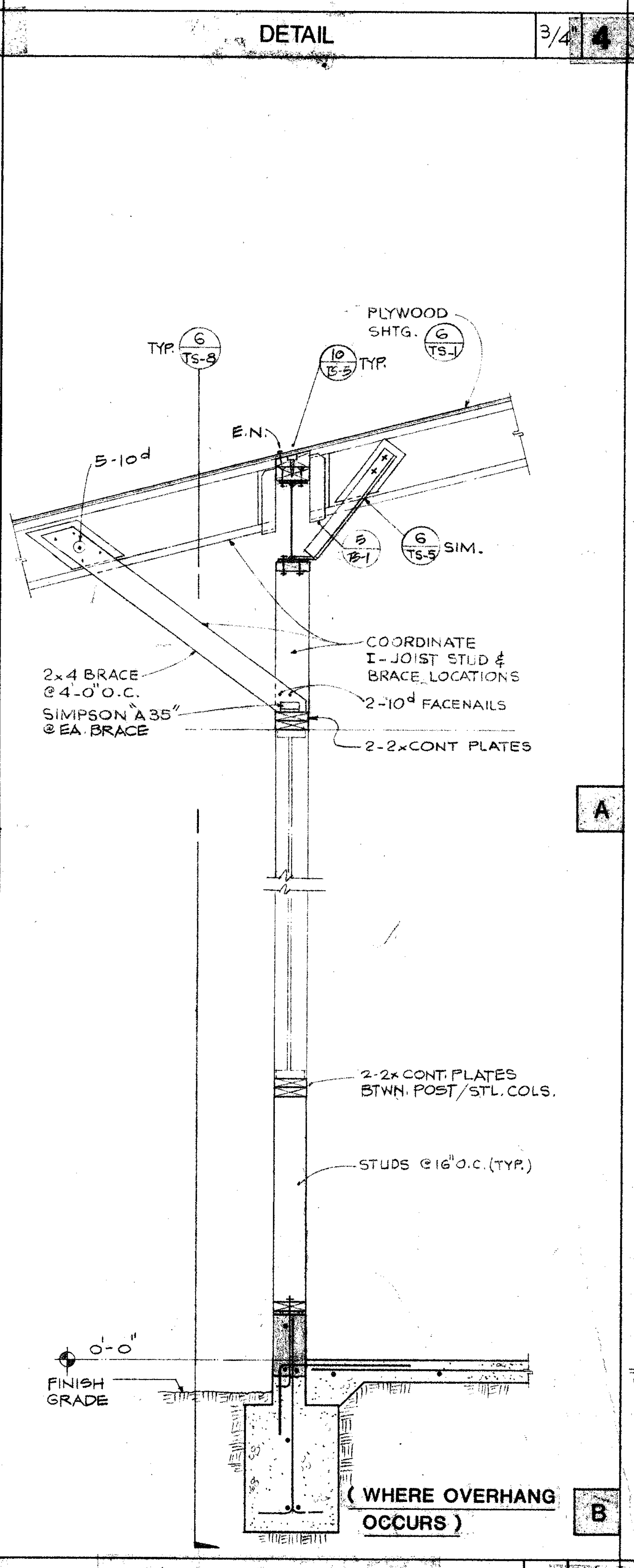
CONC. RETAINING WALL NO SCALE 20


3 TS-8 TYP.
TS 5×3×3/16 @ 6'-6" O.C. MAX. & FREE END OF WALL
3/16
#4×2'-0" LONG
⅝" φ×2 1/16 NELSON HEADED CONC. ANCHOR @ 12" O.C. TYP. EA. SIDE OF TUBE. OMIT 2 STUDS AT CONC. CURB.
SEE 7A TS-2 FOR OTHER DETAILS
3/16" END PL WELD TO COL.
(BLDG. #4)

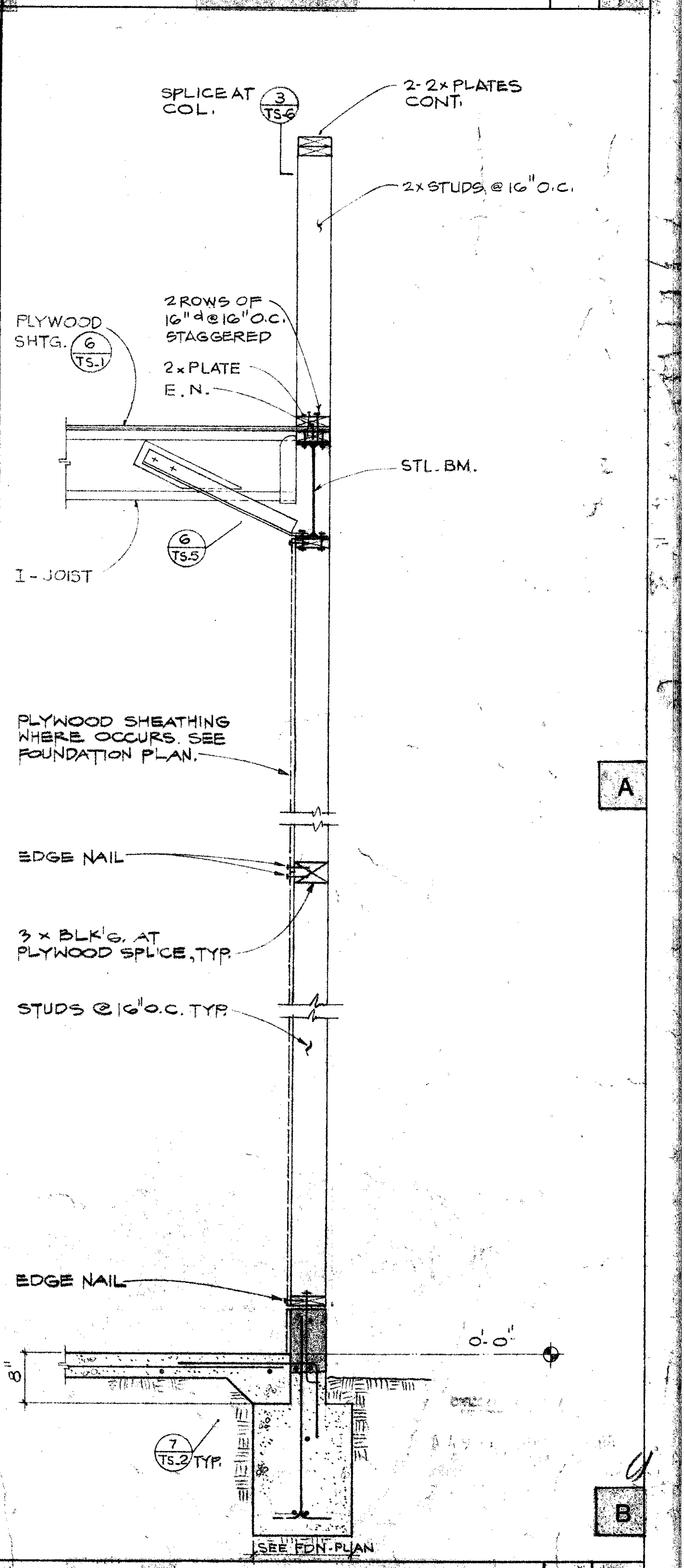
DETAIL 3/4" 17


GRID
GRID
3 TS-8 TYP.
10'-0"
STL. BM. TYP.
SLOPING STL. BM. WHERE OCCURS
2× BRACE (TYP.)
1 TS-4
SIMPSON A35 TYP.
OPEN
WOOD NAILER
10 TS-5 TYP. AT SHEAR WALL
STUDS @ 16" O.C.
6×POST
6×POST
TS COL.
OPEN
2-2× PLATES CONT. (TYP.)
0'-0"
SIMPSON "BC" HALF BASE TYP. TOP & BOT.

ELEVATION 3/8" 6


TYP. 6 TS-5
PLYWOOD SHTG. 6 TS-1
10 TS-5 TYP.
E.N.
5-10d
6 TS-5 SIM.
5 S-1
2×4 BRACE @ 4'-0" O.C.
SIMPSON "A35" @ EA. BRACE
COORDINATE I-JOIST STUD & BRACE LOCATIONS
2-10d FACENAILS
2-2× CONT PLATES
A
2-2× CONT. PLATES BTWN. POST/STL. COLS.
STUDS @ 16" O.C. (TYP.)
0'-0"
FINISH GRADE
(WHERE OVERHANG OCCURS)
B

EXTERIOR WALL SECTION 3/4 3


SPLICE AT COL. 3 TS-8
2-2× PLATES CONT.
2× STUDS @ 16" O.C.
PLYWOOD SHTG. 6 TS-1
2 ROWS OF 16d @ 16" O.C. STAGGERED
2× PLATE
E.N.
STL. BM.
I-JOIST
6 TS-5
PLYWOOD SHEATHING WHERE OCCURS. SEE FOUNDATION PLAN.
A
EDGE NAIL
3× BLK'G. AT PLYWOOD SPLICE, TYP.
STUDS @ 16" O.C. TYP.
EDGE NAIL
0'-0"
7 TS-2 TYP.
SEE FDN. PLAN
B

EXTERIOR WALL SECTION 3/4 1

Drawn By MCL
Checked By SRU
Date MAR. 1988
Commission No. 1-30-05

Revisions

BID JANUARY 1991

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West Hills High School
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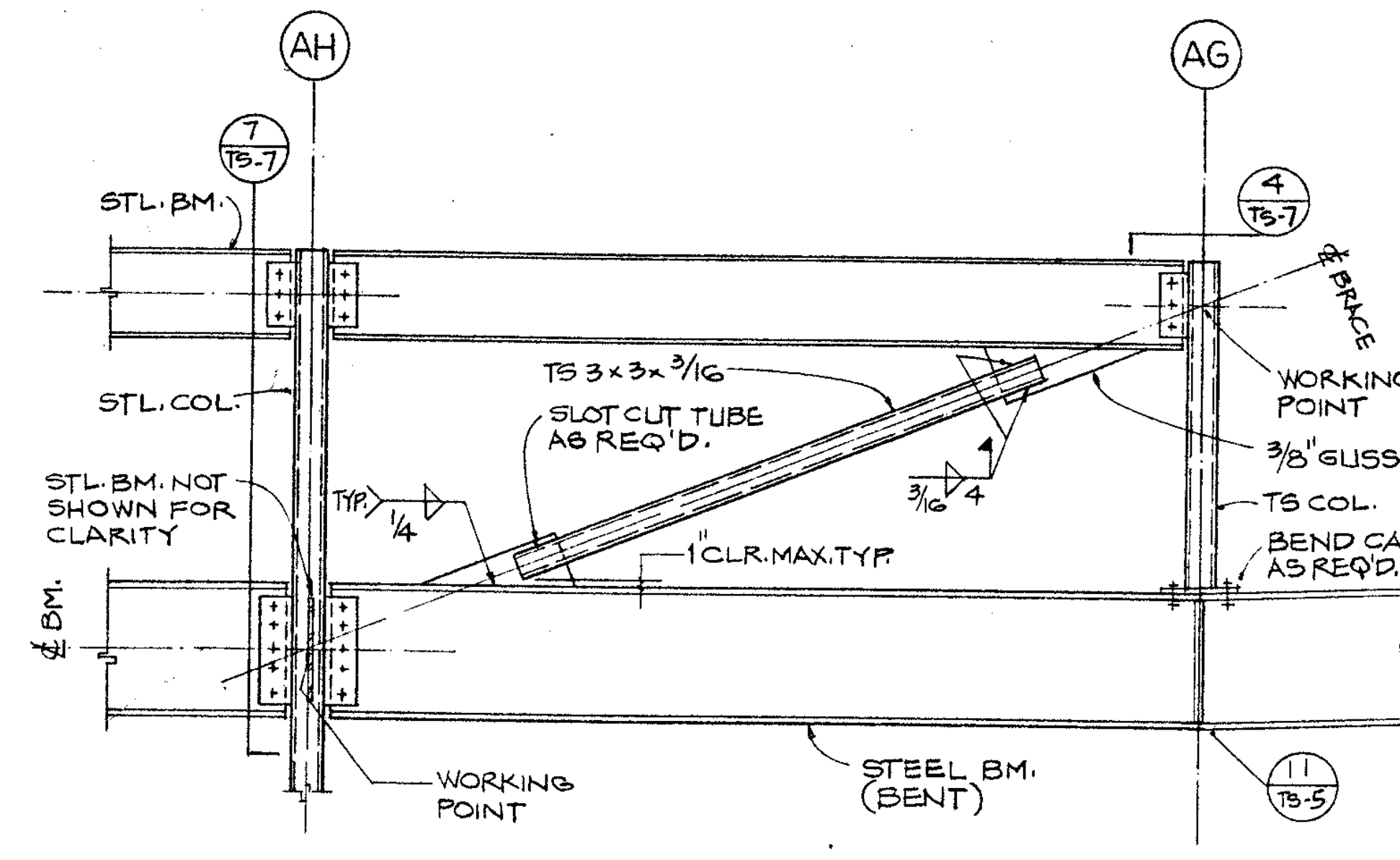
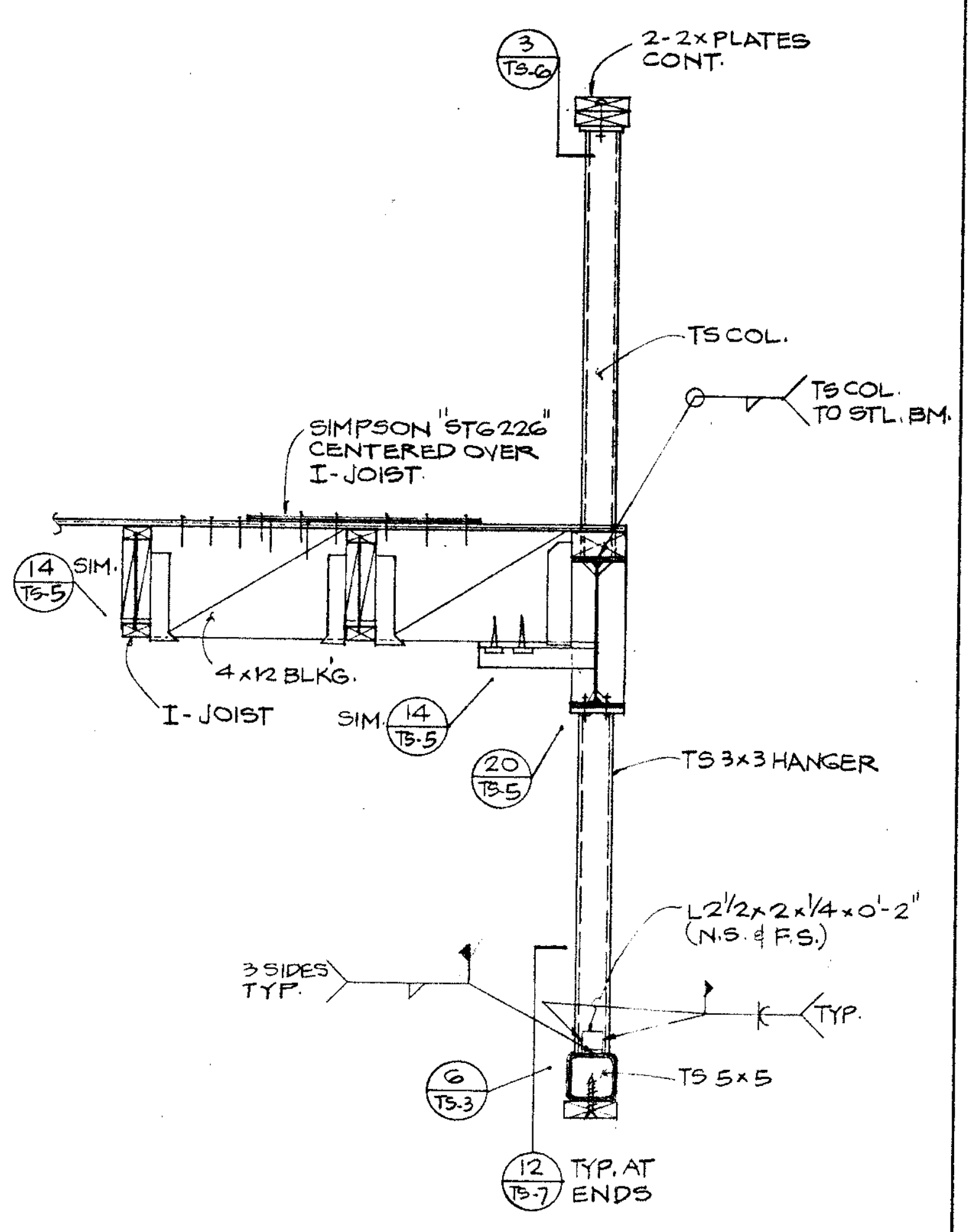
TYPICAL SECTIONS & DETAILS

Sheet Number
TS-8
101 Of Sheets


AH
AG
7/TS-7
4/TS-7
STL. BM.
STL. COL.
STL. BM. NOT SHOWN FOR CLARITY
℄ BM.
TYP. 1/4
TS 3×3×3/16
SLOT CUT TUBE AS REQ'D.
1" CLR. MAX. TYP.
3/16 4
℄ BRACE
WORKING POINT
3/8" GUSSET ℙ.
TS COL.
BEND CAP ℙ. AS REQ'D.
WORKING POINT
STEEL BM. (BENT)
11/TS-5

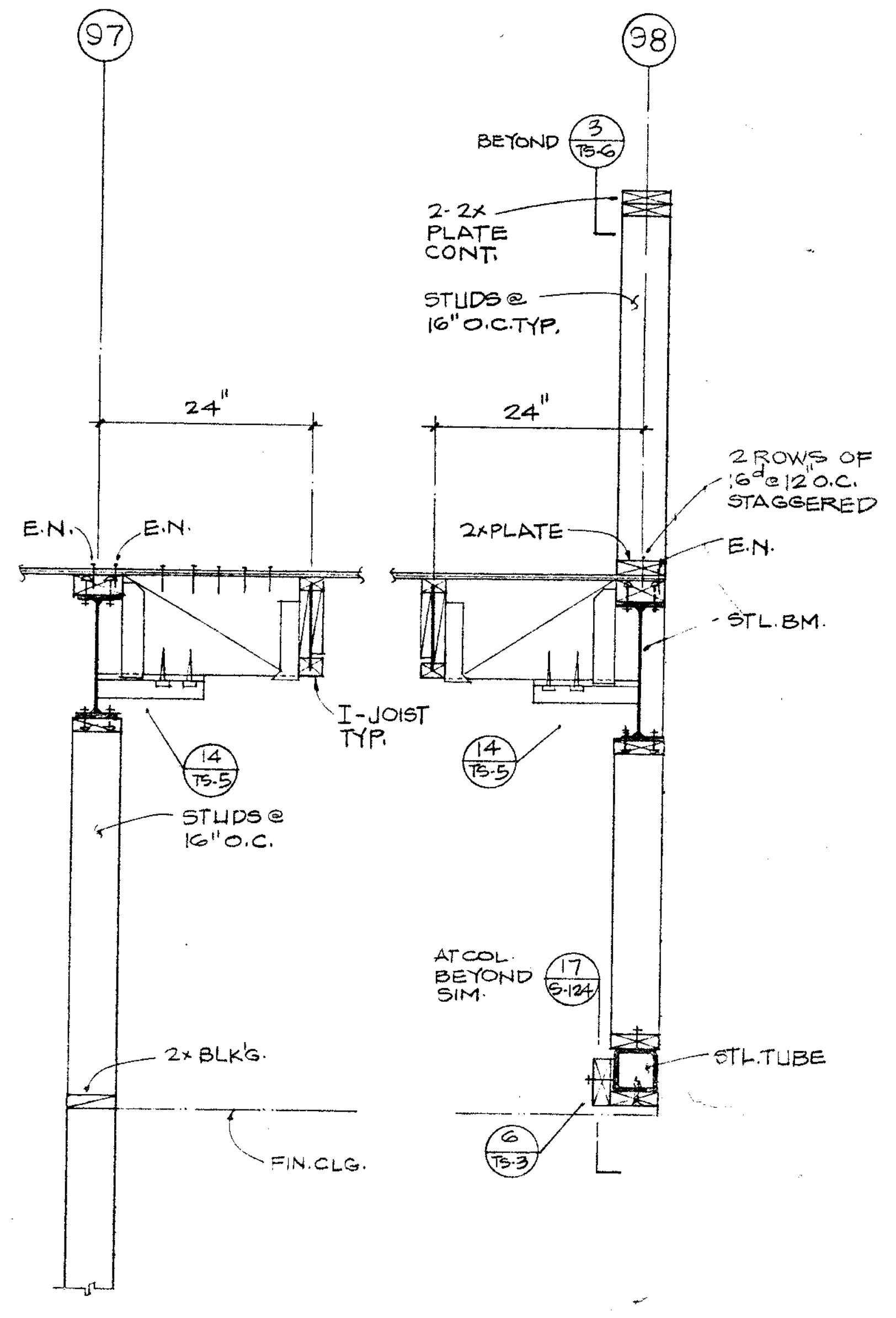
BLDG #8

BRACE ELEVATION 3/4" 9


3/TS-6
2-2× PLATES CONT.
TS COL.
TS COL. TO STL. BM.
SIMPSON "STG226" CENTERED OVER I-JOIST
14/TS-5 SIM.
4×12 BLKG.
I-JOIST
SIM. 14/TS-5
20/TS-5
TS 3×3 HANGER
L2 1/2×2×1/4×0'-2" (N.S. & F.S.)
3 SIDES TYP.
TYP.
6/TS-3
TS 5×5
12/TS-7 TYP. AT ENDS

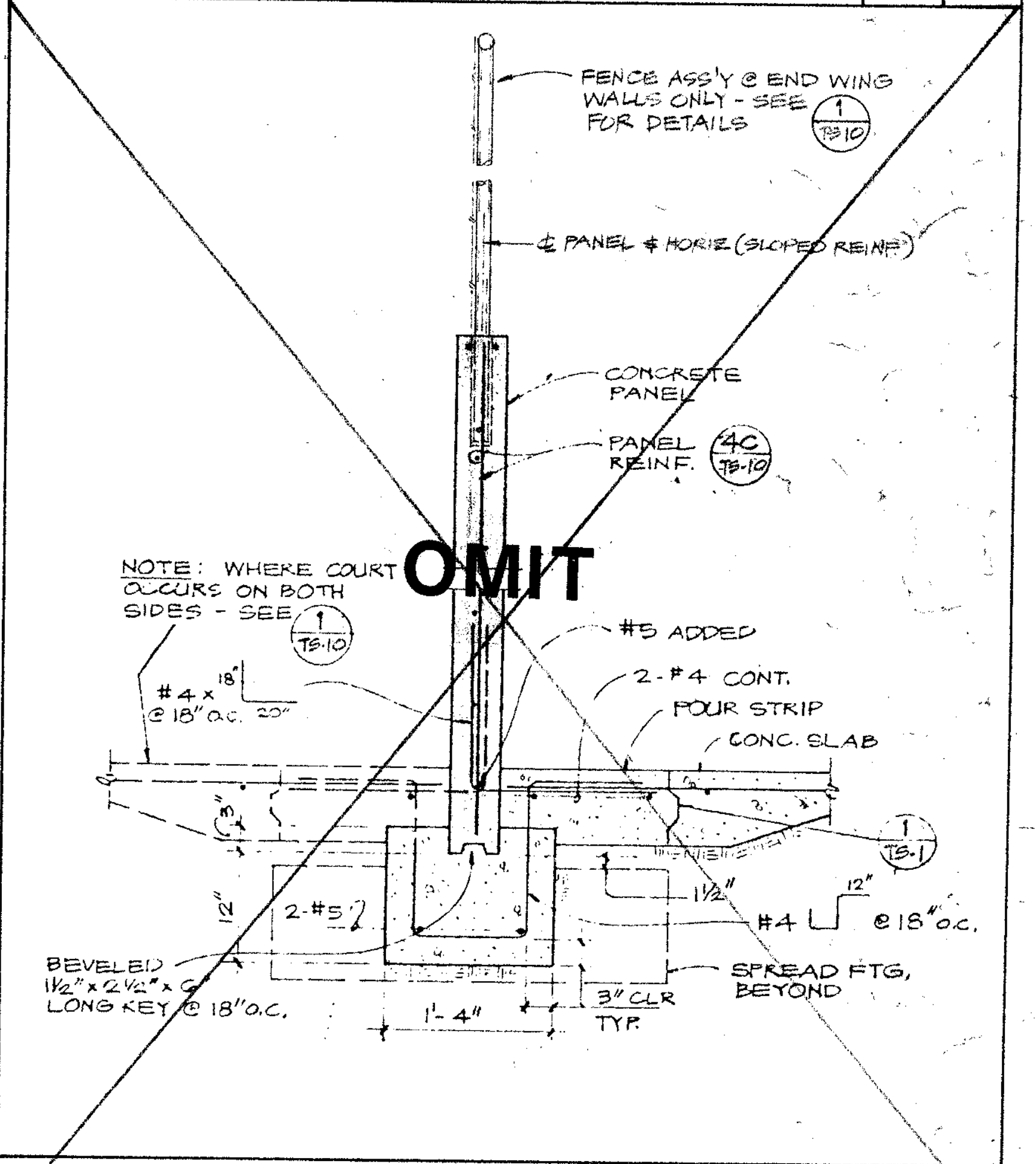
BDG #8

SECTION 3/4" 6

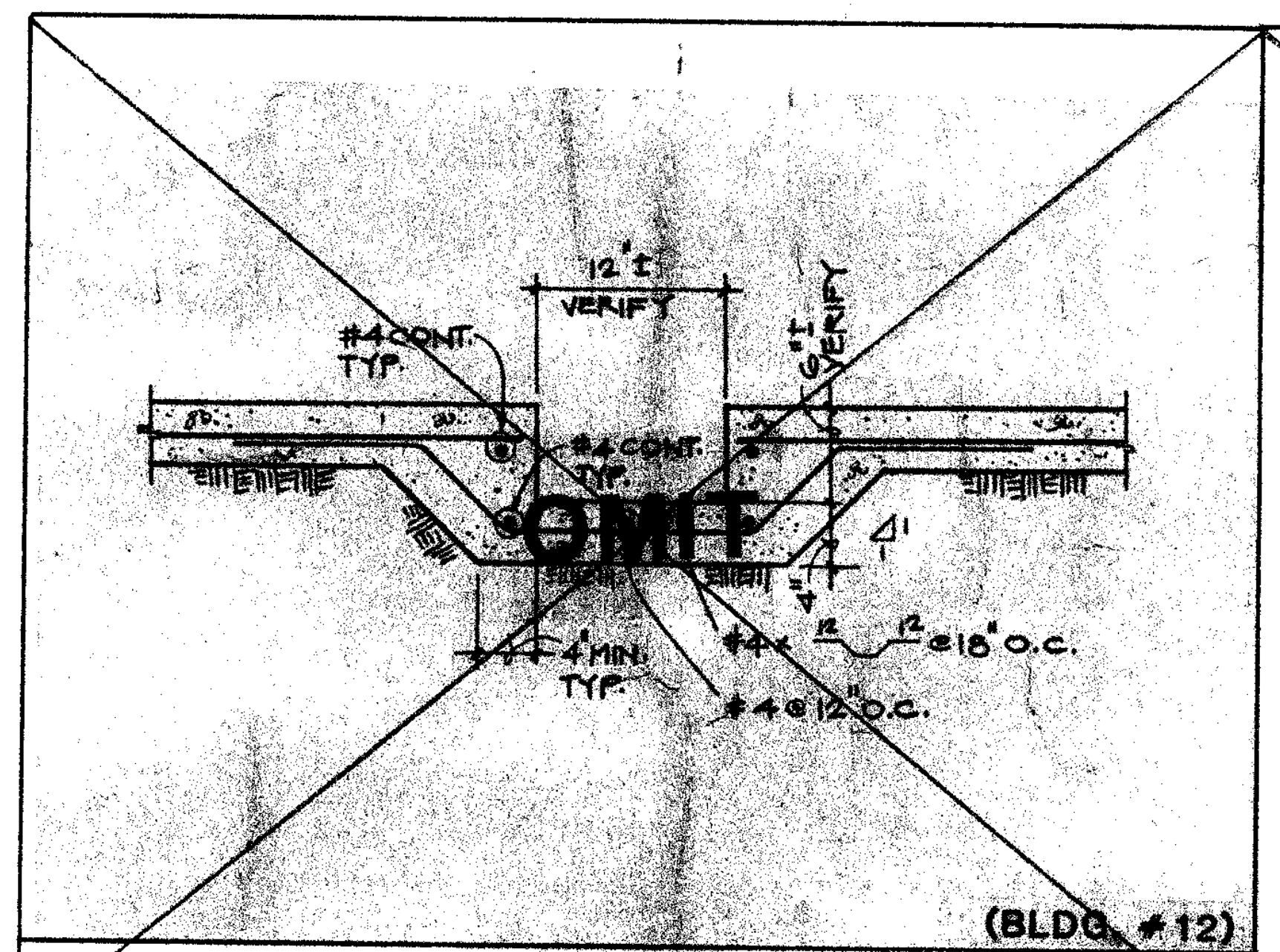

97
98
BEYOND 3/TS-6
2-2× PLATE CONT.
STUDS @ 16" O.C. TYP.
24"
24"
2 ROWS OF 16d @ 12" O.C. STAGGERED
E.N.
E.N.
2× PLATE
E.N.
STL. BM.
I-JOIST TYP.
14/TS-5
14/TS-5
STUDS @ 16" O.C.
AT COL. BEYOND SIM. 17/S-124
STL. TUBE
2× BLK'G.
FIN. CLG.
6/TS-3

BLDG #8

SECTION 3/4" 3

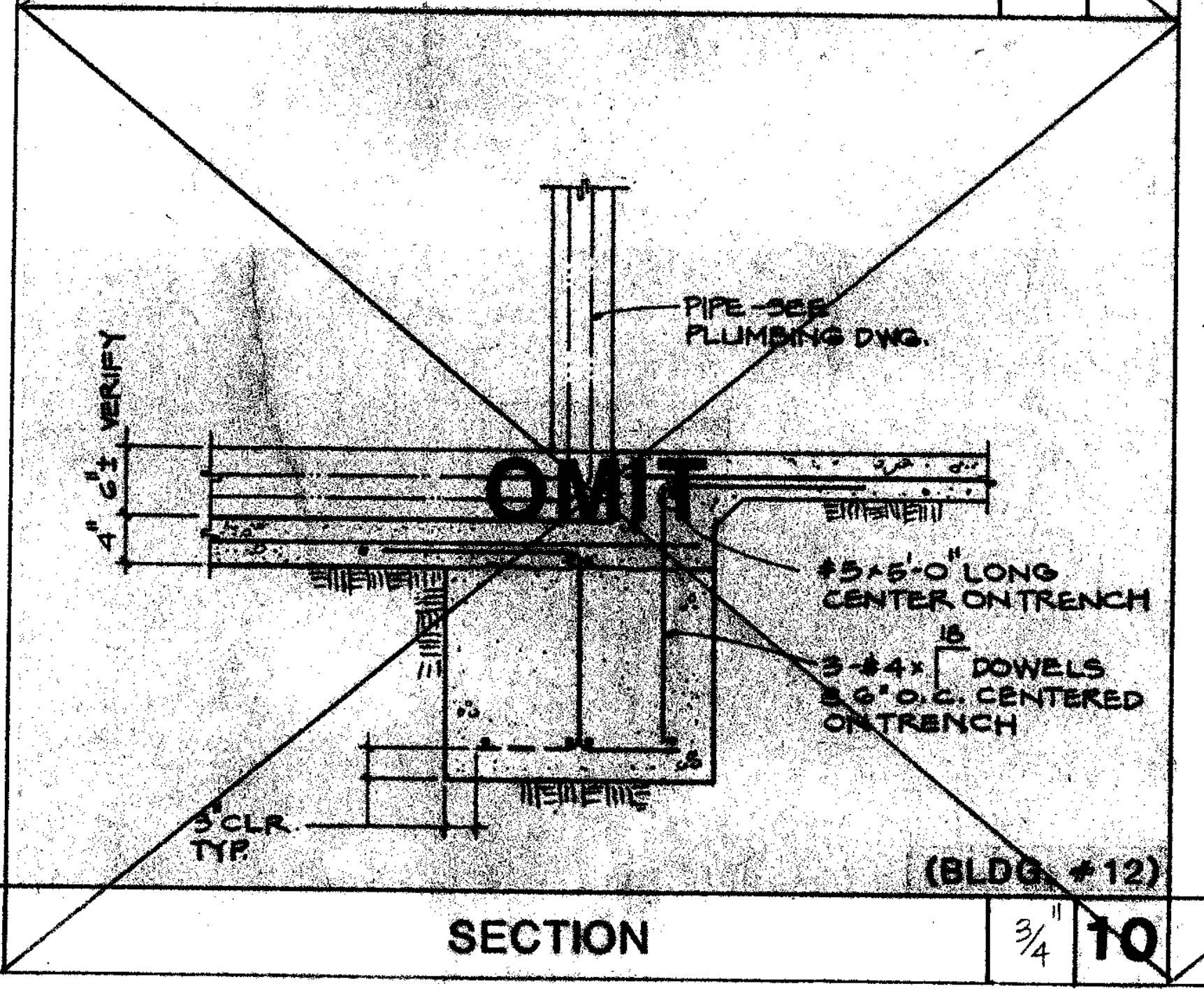

FENCE ASS'Y @ END WING WALLS ONLY - SEE 1/TS-10 FOR DETAILS
℄ PANEL & HORIZ. (SLOPED REINF.)
CONCRETE PANEL
PANEL REINF. 4C/TS-10
OMIT
NOTE: WHERE COURT OCCURS ON BOTH SIDES - SEE 1/TS-10
#4 × 18" @ 18" O.C. 20"
#5 ADDED
2-#4 CONT.
POUR STRIP
CONC. SLAB
1/TS-1
3"
12"
2-#5
1 1/2"
#4 12" @ 18" O.C.
BEVELED 1 1/2" × 2 1/2" × 6" LONG KEY @ 18" O.C.
SPREAD FTG. BEYOND
1'-4"
3" CLR TYP.

SECTION 3/4" 2


12" ± VERIFY
6" ± VERIFY
#4 CONT. TYP.
#4 CONT. TYP.
OMIT
4'
4" MIN. TYP.
#4 × 12 12 @ 18" O.C.
#4 @ 12" O.C.

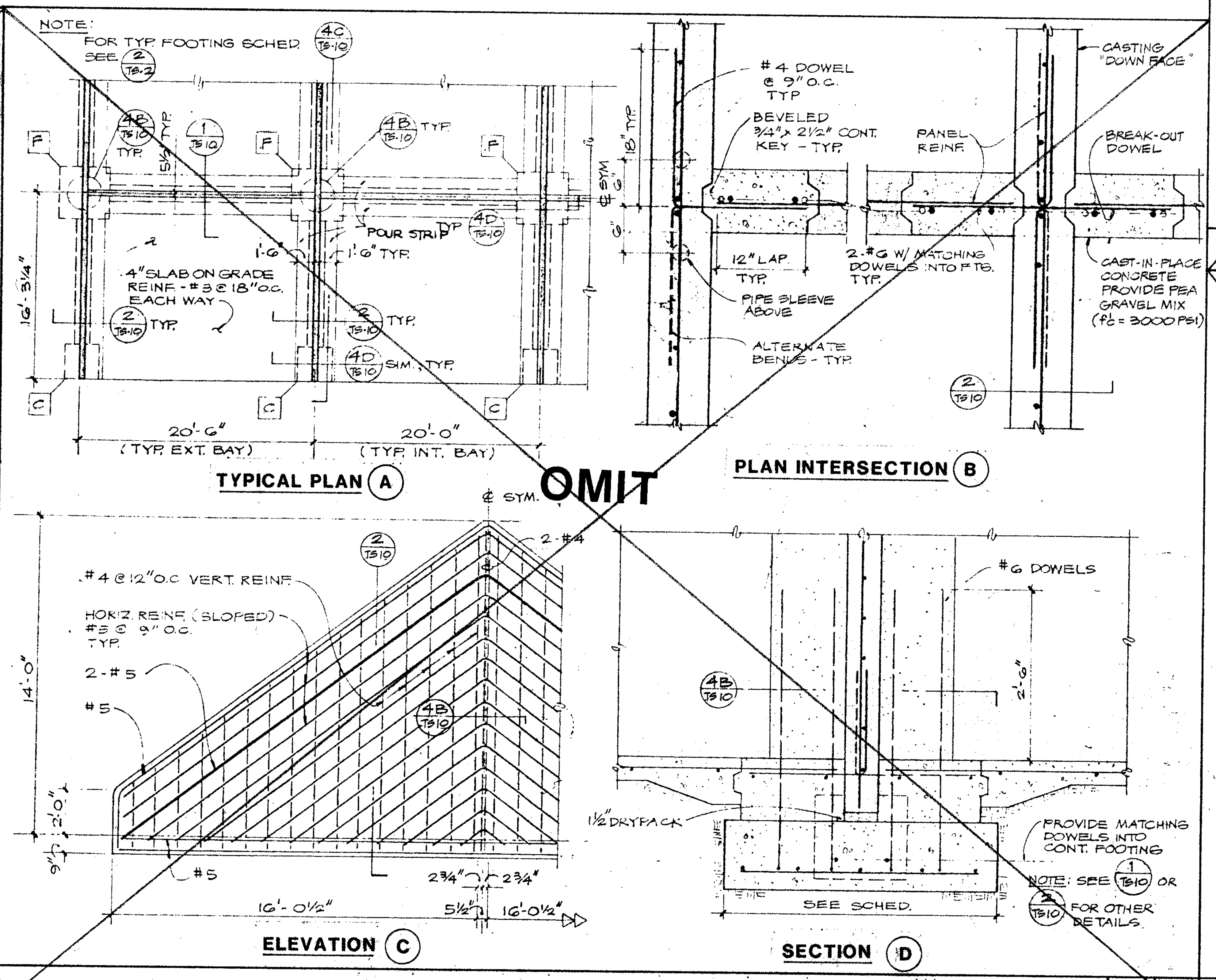
(BLDG. #12)

SECTION 1" 11

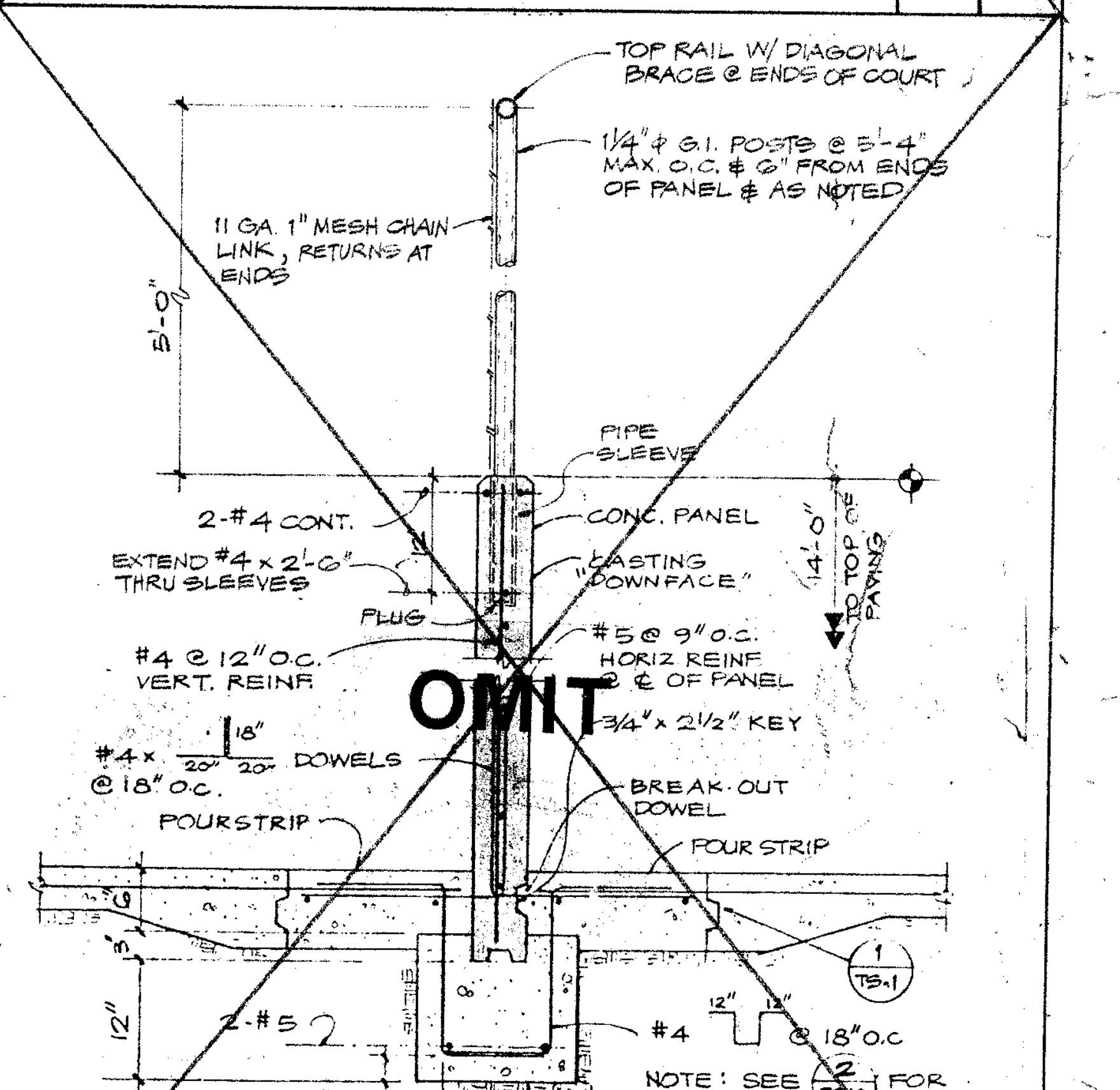

PIPE - SEE PLUMBING DWG.
4" 6" ± VERIFY
OMIT
#5 × 5'-0" LONG CENTER ON TRENCH
3-#4 × 18 DOWELS @ 6" O.C. CENTERED ON TRENCH
3" CLR. TYP.

(BLDG. #12)

SECTION 3/4" 10


NOTE: FOR TYP. FOOTING SCHED. SEE 2/TS-2
4C/TS-10
F
F
F
4B/TS-10 TYP.
5 1/2" TYP.
1/TS-10
4B/TS-10 TYP.
POUR STRIP
4D/TS-10 TYP.
1'-6"
1'-6" TYP.
4" SLAB ON GRADE REINF. - #3 @ 18" O.C. EACH WAY
2/TS-10 TYP.
2/TS-10 TYP.
4D/TS-10 SIM., TYP.
16'-3 1/4"
℄ SYM. 6" 6"
18" TYP.
C
C
C
20'-6" (TYP. EXT. BAY)
20'-0" (TYP. INT. BAY)
TYPICAL PLAN A
#4 DOWEL @ 9" O.C. TYP
BEVELED 3/4" × 2 1/2" CONT. KEY - TYP.
PANEL REINF.
CASTING "DOWN FACE"
BREAK-OUT DOWEL
12" LAP TYP.
2-#6 W/ MATCHING DOWELS INTO FTG. TYP.
PIPE SLEEVE ABOVE
ALTERNATE BENDS - TYP.
CAST-IN-PLACE CONCRETE PROVIDE PEA GRAVEL MIX (f'c = 3000 PSI)
2/TS-10
PLAN INTERSECTION B
OMIT
℄ SYM.
2/TS-10
2-#4
#4 @ 12" O.C. VERT. REINF.
HORIZ. REINF. (SLOPED) #5 @ 9" O.C. TYP.
2-#5
#5
4B/TS-10
14'-0"
2'-0"
9"
#5
2 3/4" 2 3/4"
16'-0 1/2"
5 1/2"
16'-0 1/2"
ELEVATION C
#6 DOWELS
4B/TS-10
2'-6"
1 1/2" DRYPACK
PROVIDE MATCHING DOWELS INTO CONT. FOOTING
NOTE: SEE 1/TS-10 OR 2/TS-10 FOR OTHER DETAILS
SEE SCHED.
SECTION D

TYP HANDBALL COURTS PLANS AND DETAILS AS NOTED 4


TOP RAIL W/ DIAGONAL BRACE @ ENDS OF COURT
1 1/4" ⌀ G.I. POSTS @ 5'-4" MAX. O.C. & 6" FROM ENDS OF PANEL & AS NOTED
11 GA. 1" MESH CHAIN LINK, RETURNS AT ENDS
5'-0"
PIPE SLEEVE
2-#4 CONT.
CONC. PANEL
EXTEND #4 × 2'-6" THRU SLEEVES
CASTING "DOWN FACE"
14'-0" TO TOP OF PAVING
PLUG
#5 @ 9" O.C. HORIZ. REINF. @ ℄ OF PANEL
#4 @ 12" O.C. VERT. REINF.
OMIT
3/4" × 2 1/2" KEY
#4 × 18" 20" 20" DOWELS @ 18" O.C.
BREAK-OUT DOWEL
POURSTRIP
POUR STRIP
6"
3"
12"
2-#5
1/TS-1
#4 12" 12" @ 18" O.C.
NOTE: SEE 2/TS-10 FOR OTHER DETAILS
3" CLR. TYP.
1'-4"

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
A 49275 JUN 24 1988

SECTION 1

M. C.

PRINCIPAL STRUCTURAL ENGINEER

Drawn By MCL
Checked By SRU
Date MAR. 1988
Commission No 1-30-05

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BID JANUARY 1991

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SECTIONS AND DETAILS

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TS-10
10 of Sheets