

APPENDIX A

PROJECT DRAWINGS

CITY

RECEIVED

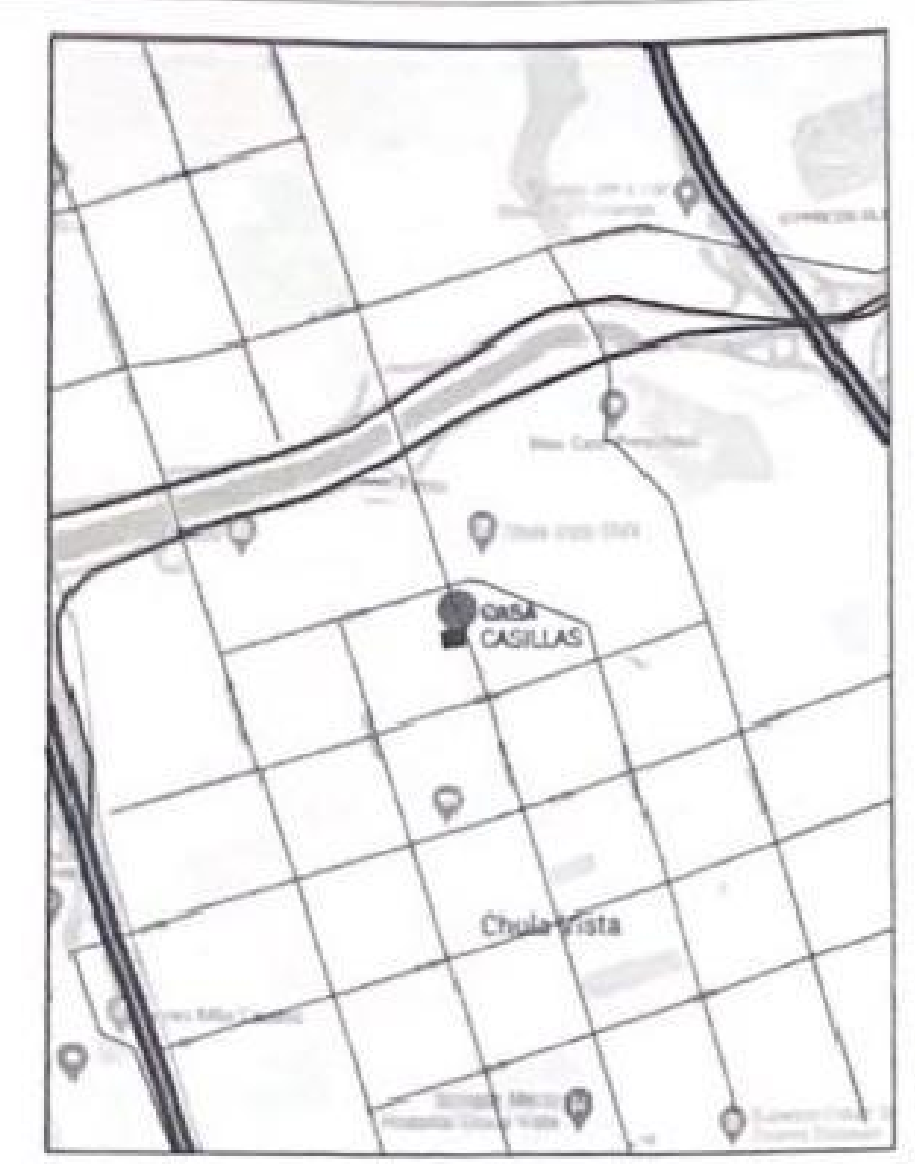
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CASA CASILLAS - ARTIST SPACE

Chula Vista, CA

PLAN-CHECK JULY, 29 2022

50 N 4TH AVE, CHULA VISTA, CA 91910



VICINITY MAP

PROJECT DIRECTORY

CLIENT
CITY OF CHULA VISTA - PUBLIC WORKS
1800 MAXWELL ROAD
CHULA VISTA, CA 91911
P 619.397.6000

CIVIL
Kirk Ammerman
KIMLEY-HORN
401 B STREET, SUITE 400,
SAN DIEGO, CA 92101
P 619.234.9411

ARCHITECT
PLATT/WHITELOW ARCHITECTS, INC.
4034 30TH STREET
SAN DIEGO, CA 92104
P 619.546.4324
F 619.546.4350

STRUCTURAL
Mark Van Bibber
AARK ENGINEERING INC.
1870 CORDELL COURT, SUITE 202
EL CAJON, CA 92020
P 619.312.6334
F 619.383.6560

MECHANICAL/PLUMBING/ELECTRICAL
Dale Fronchok
TURNING & RATTAN
ENGINEERING, INC.
4719 PALM AVENUE
LA MESA, CA 91941-8221
P 619.466.6224
F 619.466.6233

PER CHAIRMAN
PLANNING DEPARTMENT
APPROVED
1/17/23
CALL

APPROVED
FIRE NOTES
1/17/23
BUTLER VENTURES

RECEIVED
JAN 06 2023

CODE DATA

BUILDING AREA:
GROSS SF: 3,420 SF.
OCCUPIABLE: 2,520 SF.
NON-OCCUPIABLE: 900 SF.
(INCLUDES RESTROOMS 5&6, STORAGE 13,
STORAGE 15 AND STORAGE 17)

CONSTRUCTION TYPE:
TYPE: VB
NON-SPRINKLER
OCCUPANCY GROUP: A3
*FIRE ALARM IS A DEFERRED SUBMITTAL

ZONING DESIGNATION: R-3
GENERAL PLAN LAND USE DESIGNATION: PRK

PLUMBING FIXTURE COUNT CALCULATION:

A3: 2.561 sf / 30 (occupant load factor) = 86 OCCUPANTS
-43 FEMALE
-43 MALE

ACCORDING TO BUILDING AREA AND OCCUPANCY, WE ARE
REQUIRED PER CODE TO PROVIDE TWO WATER CLOSETS, ONE
URINAL AND TWO LAVATORIES. EXISTING PLUMBING FIXTURES
COUNT IS 2 WATER CLOSETS AND TWO LAVATORIES. NEW
LAYOUT ADDS ONE URINAL.

GENERAL DESCRIPTION OF WORK

RENOVATE EXISTING 3,420 SF. CITY-OWNED BUILDING AND SITE AT
50 4TH AVENUE. BUILDING IS ADJACENT TO EUCALYPTUS PARK IN
CHULA VISTA TO THE NORTH AND A THREE STORY APARTMENT
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TV/O OFFICES FOR ADMINISTRATIVE PURPOSES.
SITE IMPROVEMENTS INCLUDE STRAPPING ACCESSIBLE STALL
SIDEWALK, STORM WATER MITIGATION, FENCING AND
LANDSCAPING.

DRAWING INDEX

| GENERAL | ARCHITECTURAL | STRUCTURAL | ELECTRICAL | PLUMBING |
|---------------------------------------|-------------------------------------|---------------------------------------|--|---------------------------------------|
| G-001 COVER SHEET | A-001 DEMOLITION FLOOR PLAN | S-001 GENERAL STRUCTURE NOTES | E-001 ELECTRICAL LEGEND | P-001 PLUMBING LEGEND & GENERAL NOTES |
| G-002 GENERAL NOTES AND ABBREVIATIONS | A-002 NEW FLOOR PLAN | S-002 STRUCTURAL SCHEDULES | E-002 ELECTRICAL GENERAL NOTES | P-002 PLUMBING FIXTURE SCHEDULE |
| G-003 CODE ANALYSIS | A-003 ENLARGED PLANS-RESTROOMS | S-003 ABBREVIATIONS & TYPICAL DETAILS | E-003 TECHNOLOGY GENERAL NOTES, ALL SCHEDULE | P-003 PLUMBING DEMOLITION FLOOR PLAN |
| G-004 TYPICAL ACCESSIBILITY DETAILS | A-004 NEW RCP | S-004 TYPICAL STRUCTURAL DETAILS | E-004 ABBREVIATIONS AND A/D DETAIL | P-004 PLUMBING DEMOLITION ROOF PLAN |
| | A-005 ROOF PLAN | S-005 TYP. STRUCTURAL DETAILS | E-005 LIGHTING FIXTURE SCHEDULE | P-005 PLUMBING FLOOR PLAN |
| | A-006 EXTERIOR BUILDING ELEVATIONS | S-006 FOUNDATION PLAN | E-006 TECHNOLOGY DEMOLITION SITE PLAN | P-006 PLUMBING ROOF PLAN |
| | A-007 EXTERIOR BUILDING ELEVATIONS | S-007 ROOF FRAMING PLAN | E-007 TECHNOLOGY DEMOLITION FLOOR PLAN | P-007 PLUMBING DETAILS |
| | A-008 BUILDING SECTIONS | S-008 FOUNDATION DETAILS | E-008 LIGHTING FLOOR PLAN | P-008 PLUMBING RISER DIAGRAM |
| | A-009 INTERIOR ELEVATIONS | S-009 FRAMING DETAILS | E-009 EGRESS LIGHTING PHOTOMETRIC PLAN | |
| | A-010 EXTERIOR DETAILS | S-010 EQUIPMENT ANCHORAGE DETAILS | E-010 POWER FLOOR PLAN | |
| | A-011 ROOF DETAILS | | E-011 TECHNOLOGY AND FIRE ALARM FLOOR PLAN | |
| | A-012 WALL TYPES | | E-012 TECHNOLOGY PATHWAY PLAN | |
| | A-013 SUB GYP BOARD CEILING DETAILS | | E-013 ELECTRICAL ROOF PLAN | |
| | A-014 TYPICAL DETAILS | | E-014 TECHNOLOGY DETAILS - PATHWAYS | |
| | A-015 DOOR DETAILS | | E-015 TECHNOLOGY DETAILS - SUPPORT | |
| | A-016 DOOR & WINDOW DETAILS | | E-016 TECHNOLOGY DETAILS | |
| | A-017 TYPICAL DETAILS | | E-017 SINGLE LINE DIAGRAM AND PANEL SCHEDULES | |
| | A-018 DETAILS | | E-018 TECHNOLOGY RISER DIAGRAM | |
| | A-019 DOOR & WINDOW SCHEDULES | | E-019 INTRUSION DETECTION SYSTEM RISER DIAGRAM | |
| | A-020 SIGNAGE DETAILS | | E-020 APPENDIX ELEVATIONS AND ENLARGED PLAN | |
| | A-021 SIGNAGE PLAN AND SCHEDULE | | E-021 TITLE 24 | |
| | | | E-022 TITLE 24 | |
| | | | E-023 TITLE 24 | |

| CIVIL | MECHANICAL |
|---------------------------------|---|
| C-001 CIVIL GENERAL NOTES | M-001 MECHANICAL LEGEND & GENERAL NOTES |
| C-002 FACILITY IMPROVEMENT PLAN | M-002 MECHANICAL SCHEDULES |
| C-003 CIVIL DETAILS | M-003 MECHANICAL DEMOLITION FLOOR PLAN |
| C-004 CIVIL DETAILS | M-004 MECHANICAL DEMOLITION ROOF PLAN |
| C-005 CIVIL DETAILS | M-005 MECHANICAL FLOOR PLAN |
| | M-006 MECHANICAL ROOF PLAN |
| | M-007 MECHANICAL DETAILS |
| | M-008 MECHANICAL DETAILS |
| | M-009 MECHANICAL CONTROLS |
| | M-010 MECHANICAL CONTROLS |
| | M-011 TITLE 24 |
| | M-012 TITLE 24 |
| | M-013 TITLE 24 |

1. TO SCHEDULE A FIRE INSPECTION, CONTACT THE CHULA VISTA FIRE DEPARTMENT AT (619)691-5029
2. PROJECT SHALL COMPLY WITH CALIFORNIA FIRE CODE CHAPTER 33 "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION"

CITY OF CHULA VISTA FIRE DEPARTMENT
REVIEWED
THE STAMPING OF THESE PLANS AND
SPECIFICATIONS SHALL NOT BE HELD
TO PERMIT OR APPROVE THE
VIOLATION OF ANY CITY, COUNTY, STATE
FEDERAL LAWS OR OTHER RESTRICTIONS.
CONSTRUCTION APPROVAL IS SUBJECT TO FINAL
FIELD INSPECTION AND ACCEPTANCE.
PERMIT # B22-080
BY: [Signature] DATE: 12/12/22
ON BEHALF OF: [Signature] FIRE INSPECTOR

CASA CASILLAS ARTIST SPACE
50 4th AVENUE, CHULA VISTA, CA
COVER SHEET

| CONSTRUCTION RECORD | AS-BUILT |
|---------------------|--------------|
| DESIGNER | SIGNED |
| INSPECTOR | DATE |
| DATE COMPLETED | PRINTED NAME |
| | ARCHITECT |
| | EXPIRATION |



Platt/Whitelaw
Architects, Inc.
4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104



RESPONSIBLE CHARGE OF WORK: DATE: 12/12/22
APPROVED BY: [Signature]
[Signature] A.A.
Architect of Record



CITY OF CHULA VISTA
PUBLIC WORKS
1800 MAXWELL ROAD
CHULA VISTA, CA
WWW.CHULAVISTA.CA.GOV

DRAWING NO.
G-001

REVISION
BY / DATE
APPD / DATE

1. CITY COMMENTS

2. CITY COMMENTS

REFERENCES DWG. NO.:
CCV DWG No.15024

DESIGNED BY:
DRAWN BY:
CHECKED BY:

SCALE
HORIZONTAL:
VERTICAL:

DATUM
HORIZONTAL:
VERTICAL:

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AARK ENGINEERING INC.
1870 CORDELL COURT, SUITE 202
EL CAJON, CA 92020
P 619 312 6336
F 619 383 6560

MECHANICAL PLUMBING ELECTRICAL
Dale Franchak
TURPING & RATTAN
ENGINEERING, INC.
4719 PALM AVENUE
LA MESA, CA 91941-5221
P 619 466 6224
F 619 466 6233

CODE DATA

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GROSS SF. 3,420 SF.
OCCUPIABLE : 2520 SF.
NON-OCCUPIABLE : 900 SF.
(INCLUDES RESTROOMS 5&6, STORAGE 13,
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GENERAL
G-001 COVER SHEET
G-002 GENERAL NOTES AND ABBREVIATIONS
G-003 CODE ANALYSIS
G-004 TYPICAL ACCESSIBILITY DETAILS

CIVIL
C-001 CIVIL GENERAL NOTES
C-002 FACILITY IMPROVEMENT PLAN
C-003 CIVIL DETAILS
C-004 CIVIL DETAILS
C-005 CIVIL DETAILS

ARCHITECTURAL
A-001 DEMOLITION FLOOR PLAN
A-100 NEW FLOOR PLAN
A-101 ENLARGED PLANS - RESTROOMS
A-110 NEW RCP
A-120 ROOF PLAN
A-200 EXTERIOR BUILDING ELEVATIONS
A-201 EXTERIOR BUILDING ELEVATIONS
A-300 BUILDING SECTIONS
A-310 INTERIOR ELEVATIONS
A-311 INTERIOR ELEVATIONS
A-500 EXTERIOR DETAILS
A-501 ROOF DETAILS
A-550 WALL TYPES
A-551 SUSP.GYP BOARD CEILING DETAILS
A-552 TYPICAL DETAILS
A-553 DOOR DETAILS
A-554 DOOR & WINDOW DETAILS
A-555 TYPICAL DETAILS
A-556 DETAILS
A-601 DOOR & WINDOW SCHEDULES
A-700 SIGNAGE DETAILS
A-700A SIGNAGE DETAILS
A-701 SIGNAGE PLAN AND SCHEDULE

STRUCTURAL
S-001 GENERAL STRUCTURE NOTES
S-002 STRUCTURAL SCHEDULES,
ABBREVIATIONS & TYPICAL DETAILS
S-003 TYPICAL STRUCTURAL DETAILS
S-004 TYPICAL STRUCTURAL DETAILS
S-005 TYP. STRUCTURAL DETAILS
S-101 FOUNDATION PLAN
S-102 ROOF FRAMING PLAN
S-501 FOUNDATION DETAILS
S-502 FRAMING DETAILS
S-503 EQUIPMENT ANCHORAGE DETAILS

MECHANICAL
M-001 MECHANICAL LEGEND & GENERAL NOTES
M-002 MECHANICAL SCHEDULES
M-101 MECHANICAL DEMOLITION FLOOR PLAN
M-102 MECHANICAL DEMOLITION ROOF PLAN
M-201 MECHANICAL FLOOR PLAN
M-202 MECHANICAL ROOF PLAN
M-300 MECHANICAL DETAILS
M-301 MECHANICAL DETAILS
M-400 MECHANICAL CONTROLS
M-401 MECHANICAL CONTROLS
M-500 TITLE 24
M-501 TITLE 24
M-501 TITLE 24

ELECTRICAL
E-001 ELECTRICAL LEGEND
E-002 ELECTRICAL GENERAL NOTES
E-003 TECHNOLOGY MATERIAL LIST AND SYMBOL LEGEND
E-004 TECHNOLOGY GENERAL NOTES, ALS SCHEDULE,
ABBREVIATIONS AND ADA DETAIL
E-005 LIGHTING FIXTURE SCHEDULE
E-101 TECHNOLOGY DEMOLITION SITE PLAN
E-103 TECHNOLOGY DEMOLITION FLOOR PLAN
E-201 TECHNOLOGY SITE PLAN
E-202 LIGHTING FLOOR PLAN
E-202A EGRESS LIGHTING PHOTOMETRIC PLAN
E-203 POWER FLOOR PLAN
E-204 TECHNOLOGY AND FIRE ALARM FLOOR PLAN
E-205 TECHNOLOGY PATHWAY PLAN
E-206 ELECTRICAL ROOF PLAN
E-301 TECHNOLOGY DETAILS - PATHWAYS
E-302 TECHNOLOGY DETAILS - SUPPORT
E-303 TECHNOLOGY DETAILS
E-400 SINGLE LINE DIAGRAM AND PANEL SCHEDULES
E-401 TECHNOLOGY RISER DIAGRAM
E-402 INTRUSION DETECTION SYSTEM RISER DIAGRAM
E-501 MPOE/MDF ELEVATIONS AND ENLARGED PLAN
E-600 TITLE 24
E-601 TITLE 24
E-602 TITLE 24
E-603 TITLE 24

PLUMBING
P-001 PLUMBING LEGEND & GENERAL NOTES
P-002 PLUMBING FIXTURE SCHEDULE
P-101 PLUMBING DEMOLITION FLOOR PLAN
P-102 PLUMBING DEMOLITION ROOF PLAN
P-201 PLUMBING FLOOR PLAN
P-202 PLUMBING ROOF PLAN
P-300 PLUMBING DETAILS
P-400 PLUMBING RISER DIAGRAM

FIRE NOTES

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1800 MAXWELL ROAD,
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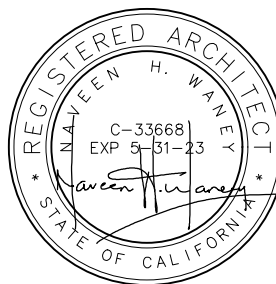
APPROVED BY:
Naveen H. Waney, AIA
Architect of Record

DATE: ----

DRAWING NO.

G-001

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|-------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT.: | EXPIRATION: |
| DATE COMPLETED: | | | |



Platt/Whitelaw
Architects, Inc.


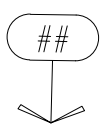







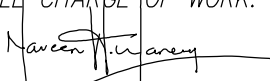
4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104



| GOVERNING CODES | | | | GENERAL NOTES | | | | ABBREVIATIONS | | | | SYMBOLS | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
| THE CONSTRUCTION OF PROJECT SHALL BE IN CONFORMANCE WITH THE CURRENT ADOPTED EDITIONS OF THE FOLLOWING CODES: | | | | 1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ENFORCING ALL SAFETY MEASURES. CONFORM TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. | | | | AB ANCHOR BOLT ABV ABOVE AC ASPHALTIC CONCRETE ACC ACCESSIBLE ACS ACCESS COMPLIANCE (DSA) ACT ACOUSTICAL CEILING ADDL ADDITIONAL ADJ ADJACENT A/E ARCHITECT / ENGINEER AFF ABOVE FINISH FLOOR ALT ALTERNATE ALUM ALUMINUM APPL APPLICATION ARCH ARCHITECT / ARCHITECTURAL ASPH ASPHALT BD BOARD BLDG BUILDING BLW BELOW BM BEAM B/M BENCH MARK BO BOTTOM OF BOB BOTTOM OF BEAM BTM BOTTOM BTWN BETWEEN BYND BEYOND CAB CABINET CB CATCH BASIN CEM CEMENT CHNL CHANNEL CI CAST IRON CIP CAST IN PLACE CJ CONTROL JOINT CL CENTER LINE CLG CEILING CLKG CAULKING CLR CLEAR CMU CONCRETE MASONRY UNIT COL COLUMN CONC CONCRETE CONST CONSTRUCTION CONT CONTINUOUS, CONTINUED CPT CARPET CSK COUNTERSINK CSWK CASEWORK CT CERAMIC TILE CTR CENTER DBL DOUBLE DEMO DEMOLISH / DEMOLITION DF DRINKING FOUNTAIN DH DOUBLE HUNG DG DECOMPOSED DIA DIAMETER DIM DIMENSION DN DOWN DR DOOR DS DOWNSPOUT DSA DIVISION OF STATE ARCHITECT DTL DETAIL DWG DRAWING E EAST (E) EXISTING EA EACH ECP EXTERIOR CEMENT PLASTER EF EACH FACE / EXHAUST FAN EG EXISTING GRADE EJ EXPANSION JOINT EL ELEVATION ELEC ELECTRICAL ELEV ELEVATOR / ELEVATION EMBED EMBEDMENT EQ EQUAL ES EACH SIDE EW EACH WAY EXP EXPOSED / EXPANSION EXT EXTERIOR F/ FROM FB FIBERGLASS FD FLOOR DRAIN FDC FIRE DEPARTMENT CONNECTION FDN FOUNDATION FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER CABINET FF FINISH FLOOR, FACTORY FINISH FF&E FURNITURE, FIXTURES & EQUIPMENT FG FINISH GRADE FH FIRE HYDRANT FHC FIRE HOSE CABINET FIN FINISH FIXT FIXTURE FLR FLOOR | | | | 2. THE INTENT OF THESE DOCUMENTS IS TO INCLUDE ALL LABOR, MATERIALS, AND SERVICES NECESSARY FOR THE COMPLETION OF ALL WORK SHOWN, PRESCRIBED OR REASONABLY IMPLIED, BUT NOT LIMITED TO THAT EXPLICITLY INDICATED IN THE DOCUMENTS. | | | | ADDL ADDITIONAL ADJ ADJACENT A/E ARCHITECT / ENGINEER AFF ABOVE FINISH FLOOR ALT ALTERNATE ALUM ALUMINUM APPL APPLICATION ARCH ARCHITECT / ARCHITECTURAL ASPH ASPHALT BD BOARD BLDG BUILDING BLW BELOW BM BEAM B/M BENCH MARK BO BOTTOM OF BOB BOTTOM OF BEAM BTM BOTTOM BTWN BETWEEN BYND BEYOND CAB CABINET CB CATCH BASIN CEM CEMENT CHNL CHANNEL CI CAST IRON CIP CAST IN PLACE CJ CONTROL JOINT CL CENTER LINE CLG CEILING CLKG CAULKING CLR CLEAR CMU CONCRETE MASONRY UNIT COL COLUMN CONC CONCRETE CONST CONSTRUCTION CONT CONTINUOUS, CONTINUED CPT CARPET CSK COUNTERSINK CSWK CASEWORK CT CERAMIC TILE CTR CENTER DBL DOUBLE DEMO DEMOLISH / DEMOLITION DF DRINKING FOUNTAIN DH DOUBLE HUNG DG DECOMPOSED DIA DIAMETER DIM DIMENSION DN DOWN DR DOOR DS DOWNSPOUT DSA DIVISION OF STATE ARCHITECT DTL DETAIL DWG DRAWING E EAST (E) EXISTING EA EACH ECP EXTERIOR CEMENT PLASTER EF EACH FACE / EXHAUST FAN EG EXISTING GRADE EJ EXPANSION JOINT EL ELEVATION ELEC ELECTRICAL ELEV ELEVATOR / ELEVATION EMBED EMBEDMENT EQ EQUAL ES EACH SIDE EW EACH WAY EXP EXPOSED / EXPANSION EXT EXTERIOR F/ FROM FB FIBERGLASS FD FLOOR DRAIN FDC FIRE DEPARTMENT CONNECTION FDN FOUNDATION FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER CABINET FF FINISH FLOOR, FACTORY FINISH FF&E FURNITURE, FIXTURES & EQUIPMENT FG FINISH GRADE FH FIRE HYDRANT FHC FIRE HOSE CABINET FIN FINISH FIXT FIXTURE FLR FLOOR | | | | FIRE & LIFE SAFETY (DSA) FLUORESCENT FACE OF FACE OF BUILDING / BEAM FACE OF CONCRETE FACE OF FINISH FACE OF MASONRY FACE OF POST FACE OF STUD FIBERGLASS REINFORCED PLASTIC FINISH SURFACE FIRE SPREAD INDEX FOOT, FEET FOOTING FIELD VERIFY GAUGE GALVANIZED GENERAL GRADE GYPSUM WALL BOARD GYPSUM HOSE BIBB HOLLOW CORE HEAD HARDWARE HIGH HOLLOW METAL HORIZONTAL HIGH POINT HEIGHT HEATING, VENTILATING AND AIR CONDITIONING HARDWOOD INSIDE DIAMETER INSULATION/ INSULATED INTERIOR JANITOR JOINT LAMINATE LATERAL LAVATORY LINEAL FEET LOCATION LOW POINT MACHINE MASONRY MATERIAL MAXIMUM MACHINE BOLT MECHANICAL MANUFACTURER MANHOLE MINIMUM MASONRY OPENING MOUNTED METAL NORTH NEW NUMBER NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE OVER OVERALL ON CENTER OCCUPANT / OCCUPANCY OUTSIDE DIAMETER / OVERFLOW DRAIN OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED OPPOSITE HAND OVERHEAD OPENING OPPOSITE PAINT PIECE POUNDS PER CUBIC FOOT PERFORATED PANIC HARDWARE PROPERTY LINE PLASTIC LAMINATE PLASTIC PLUMBING PLATE PLYWOOD PATH OF TRAVEL (ACCESSIBLE) POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PRESSURE TREATED POLY VINYL CHLORIDE QUARRY TILE QUANTITY R / RAD RCP RD REC REF REINFORCING / REINFORCEMENT REQUIRED ROOM REMOVE ROUGH OPENING RETURN REGISTER REMOVE AND REINSTALL RATED S SC SCHD SDI SHT SHTG SHWR SIM SM SMS SP SPC SPEC SQ SR SS STC STD STL STO STRUCT SUSP T&B T&G TEL THK THRESH TLT TO TC TOC TOS TOW TP TRANS TYP UON UNLESS OTHERWISE NOTED UNDERSIDE VAT VINYL ASBESTOS TILE VINYL COMPOSITION TILE VERT VIF VWC W W/ WC WD WDW WIDW W/O WP WPJ WS WTF NSF R.R. LVP RB Z I < ~ # | | | | SECTION CUT HORIZONTAL AND VERTICAL ELEVATION (EXTERIOR) ELEVATION (INTERIOR) DETAIL BOUNDARY DRAWING LABEL NORTH ARROW GRAPHIC SCALE CUT LINE DIMENSION (TO FACE OF) DIMENSION (TO CENTER OF) PLAN ELEVATION VERTICAL ELEVATION GRIDS • LETTERS (VERTICAL) • LEFT TO RIGHT • NUMBERS (HORIZONTAL) • TOP TO BOTTOM REVISION CLOUD LEADER (W/ ARROW) LEADER (W/ DOT) KEYNOTE RESTROOM ACCESSORY WALL TYPE DOOR WINDOW ALTERNATIVE (LOUVER, ETC.) | | | |
| PARTIAL LIST OF APPLICABLE STANDARDS: | | | | 9. PROVIDE DOUBLE BACK-TO-BACK 18 GAGE STEEL STUDS AT 48" O.C. IN ELECTRICAL SWITCHGEAR ROOM WALLS FOR EQUIPMENT SUPPORTS AND WHERE REQUIRED FOR STEEL LADDERS AND EQUIPMENT BACKING, UNLESS OTHERWISE NOTED. | | | | GAUGE GALVANIZED GENERAL GRADE GYPSUM WALL BOARD GYPSUM HOSE BIBB HOLLOW CORE HEAD HARDWARE HIGH HOLLOW METAL HORIZONTAL HIGH POINT HEIGHT HEATING, VENTILATING AND AIR CONDITIONING HARDWOOD INSIDE DIAMETER INSULATION/ INSULATED INTERIOR JANITOR JOINT LAMINATE LATERAL LAVATORY LINEAL FEET LOCATION LOW POINT MACHINE MASONRY MATERIAL MAXIMUM MACHINE BOLT MECHANICAL MANUFACTURER MANHOLE MINIMUM MASONRY OPENING MOUNTED METAL NORTH NEW NUMBER NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE OVER OVERALL ON CENTER OCCUPANT / OCCUPANCY OUTSIDE DIAMETER / OVERFLOW DRAIN OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED OPPOSITE HAND OVERHEAD OPENING OPPOSITE PAINT PIECE POUNDS PER CUBIC FOOT PERFORATED PANIC HARDWARE PROPERTY LINE PLASTIC LAMINATE PLASTIC PLUMBING PLATE PLYWOOD PATH OF TRAVEL (ACCESSIBLE) POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PRESSURE TREATED POLY VINYL CHLORIDE QUARRY TILE QUANTITY R / RAD RCP RD REC REF REINFORCING / REINFORCEMENT REQUIRED ROOM REMOVE ROUGH OPENING RETURN REGISTER REMOVE AND REINSTALL RATED S SC SCHD SDI SHT SHTG SHWR SIM SM SMS SP SPC SPEC SQ SR SS STC STD STL STO STRUCT SUSP T&B T&G TEL THK THRESH TLT TO TC TOC TOS TOW TP TRANS TYP UON UNLESS OTHERWISE NOTED UNDERSIDE VAT VINYL ASBESTOS TILE VINYL COMPOSITION TILE VERT VIF VWC W W/ WC WD WDW WIDW W/O WP WPJ WS WTF NSF R.R. LVP RB Z I < ~ # | | | | 10. CONTRACTOR SHALL VERIFY PAINT LOCATIONS AND COLORS OF PAINTS AND STAINS WITH ARCHITECT BEFORE APPLICATION. | | | | SOUTH, SEWER SOLID CORE SCHEDULE SMOKE DEVELOPED INDEX SQUARE FEET SHEET SHEATHING SHOWER SIMILAR SURFACE MOUNT SHEET METAL SCREW SPECIAL SPACE SPECIFIED/ SPECIFICATION SQUARE SUPPLY REGISTER STAINLESS STEEL SOUND TRANSMISSION CLASS STANDARD STEEL STORAGE STRUCTURAL SUSPENDED TOP & BOTTOM TONGUE AND GROOVE TELEPHONE THICK / THICKNESS THRESHOLD TOILET TOP OF TOP OF CURB TOP OF CONCRETE TOP OF STEEL TOP OF WALL TOILET PAPER DISPENSER TRANSVERSE TYPICAL UNLESS OTHERWISE NOTED UNDERSIDE VINYL ASBESTOS TILE VINYL COMPOSITION TILE VERTICAL VERIFY IN FIELD VERIFY WITH CIVIL WEST WITH WATER CLOSET WOOD WINDOW WINDWOODWORK INSTITUTE WIRE MESH SCREEN WITHOUT WATERPROOF WEAKENED PLANE JOINT WOOD SCREW WEIGHT WELDED WIRE FABRI NET SQUARE FEET RESTROOM LUXURY VINYL RUBBER BASE ANGLE CHANNEL CENTER LINE DIAMETER POUND OR NUMBER | | | | DRAWING LABEL NORTH ARROW GRAPHIC SCALE CUT LINE DIMENSION (TO FACE OF) DIMENSION (TO CENTER OF) PLAN ELEVATION VERTICAL ELEVATION GRIDS • LETTERS (VERTICAL) • LEFT TO RIGHT • NUMBERS (HORIZONTAL) • TOP TO BOTTOM REVISION CLOUD LEADER (W/ ARROW) LEADER (W/ DOT) KEYNOTE RESTROOM ACCESSORY WALL TYPE DOOR WINDOW ALTERNATIVE (LOUVER, ETC.) | | | | | | | |
| LOCAL AGENCIES: | | | | 11. ICCES REPORT NUMBERS WHERE SHOWN ON DRAWINGS AND IN THE SPECIFICATIONS ARE SHOWN ONLY TO INDICATE THE REQUIREMENTS BY THE LOCAL BUILDING DEPARTMENT. OTHER PRODUCTS WITH APPROVED REPORT NUMBERS MAY BE USED IF SUBMITTED TO AND APPROVED BY THE ARCHITECT AND THE BUILDING DEPARTMENT PRIOR TO INSTALLATION. | | | | HARDWOOD INSIDE DIAMETER INSULATION/ INSULATED INTERIOR JANITOR JOINT LAMINATE LATERAL LAVATORY LINEAL FEET LOCATION LOW POINT MACHINE MASONRY MATERIAL MAXIMUM MACHINE BOLT MECHANICAL MANUFACTURER MANHOLE MINIMUM MASONRY OPENING MOUNTED METAL NORTH NEW NUMBER NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE OVER OVERALL ON CENTER OCCUPANT / OCCUPANCY OUTSIDE DIAMETER / OVERFLOW DRAIN OWNER FURNISHED, CONTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED OPPOSITE HAND OVERHEAD OPENING OPPOSITE PAINT PIECE POUNDS PER CUBIC FOOT PERFORATED PANIC HARDWARE PROPERTY LINE PLASTIC LAMINATE PLASTIC PLUMBING PLATE PLYWOOD PATH OF TRAVEL (ACCESSIBLE) POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PRESSURE TREATED POLY VINYL CHLORIDE QUARRY TILE QUANTITY R / RAD RCP RD REC REF REINFORCING / REINFORCEMENT REQUIRED ROOM REMOVE ROUGH OPENING RETURN REGISTER REMOVE AND REINSTALL RATED S SC SCHD SDI SHT SHTG SHWR SIM SM SMS SP SPC SPEC SQ SR SS STC STD STL STO STRUCT SUSP T&B T&G TEL THK THRESH TLT TO TC TOC TOS TOW TP TRANS TYP UON UNLESS OTHERWISE NOTED UNDERSIDE VAT VINYL ASBESTOS TILE VINYL COMPOSITION TILE VERT VIF VWC W W/ WC WD WDW WIDW W/O WP WPJ WS WTF NSF R.R. LVP RB Z I < ~ # | | | | 12. PROVIDE HORIZONTAL UNPUNCHED REINFORCING TO RECEIVE WALL MOUNTED DOOR STOPS TYPICALLY AT HINGE SIDE OF ALL DOORS AND HORIZONTAL BRACING BETWEEN STUDS, LENGTH TO BE 3'-0" MINIMUM FROM JAMB SPANNING THREE STUDS MINIMUM. | | | | UNLESS OTHERWISE NOTED UNDERSIDE VINYL ASBESTOS TILE VINYL COMPOSITION TILE VERTICAL VERIFY IN FIELD VERIFY WITH CIVIL WEST WITH WATER CLOSET WOOD WINDOW WINDWOODWORK INSTITUTE WIRE MESH SCREEN WITHOUT WATERPROOF WEAKENED PLANE JOINT WOOD SCREW WEIGHT WELDED WIRE FABRI NET SQUARE FEET RESTROOM LUXURY VINYL RUBBER BASE ANGLE CHANNEL CENTER LINE DIAMETER POUND OR NUMBER | | | | DRAWING LABEL NORTH ARROW GRAPHIC SCALE CUT LINE DIMENSION (TO FACE OF) DIMENSION (TO CENTER OF) PLAN ELEVATION VERTICAL ELEVATION GRIDS • LETTERS (VERTICAL) • LEFT TO RIGHT • NUMBERS (HORIZONTAL) • TOP TO BOTTOM REVISION CLOUD LEADER (W/ ARROW) LEADER (W/ DOT) KEYNOTE RESTROOM ACCESSORY WALL TYPE DOOR WINDOW ALTERNATIVE (LOUVER, ETC.) | | | | | | | |
| A PROJECT INSPECTOR EMPLOYED BY THE CITY SHALL PROVIDE INSPECTION OF THE WORK. | | | | 13. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL GOVERN. | | | | UNLESS OTHERWISE NOTED UNDERSIDE VINYL ASBESTOS TILE VINYL COMPOSITION TILE VERTICAL VERIFY IN FIELD VERIFY WITH CIVIL WEST WITH WATER CLOSET WOOD WINDOW WINDWOODWORK INSTITUTE WIRE MESH SCREEN WITHOUT WATERPROOF WEAKENED PLANE JOINT WOOD SCREW WEIGHT WELDED WIRE FABRI NET SQUARE FEET RESTROOM LUXURY VINYL RUBBER BASE ANGLE CHANNEL CENTER LINE DIAMETER POUND OR NUMBER | | | | DRAWING LABEL NORTH ARROW GRAPHIC SCALE CUT LINE DIMENSION (TO FACE OF) DIMENSION (TO CENTER OF) PLAN ELEVATION VERTICAL ELEVATION GRIDS • LETTERS (VERTICAL) • LEFT TO RIGHT • NUMBERS (HORIZONTAL) • TOP TO BOTTOM REVISION CLOUD LEADER (W/ ARROW) LEADER (W/ DOT) KEYNOTE RESTROOM ACCESSORY WALL TYPE DOOR WINDOW ALTERNATIVE (LOUVER, ETC.) | | | | | | | | | | | | | | | |
| GREEN BUILDING STANDARDS | | | | 17. IF THE BUILDING INSPECTOR DETERMINES NONCOMPLIANCE WITH ANY CURRENT ACCESSIBILITY PROVISIONS OF THE LAW, HE/SHE SHALL REQUIRE SUBMITTAL OF COMPLETE AND DETAILED PLANS TO THE BUILDING PLAN REVIEW DIVISION OF THE DEVELOPMENT SERVICES DEPARTMENT FOR FURTHER REVIEW. PLANS MUST CLEARLY SHOW ALL EXISTING NONCOMPLIANCE CONDITIONS AFFECTED BY THE REMODEL (INCLUDING SITE PLAN, FLOOR PLANS, DETAILS, ETC.) AND PROPOSED MODIFICATIONS OF DEFICIENCIES TO MEET CURRENT ACCESSIBILITY PROVISIONS. THE PLANS MUST BE STAMPED BY THE FIELD INSPECTOR PRIOR TO SUBMITTAL FOR PLAN REVIEW. | | | | UNLESS OTHERWISE NOTED UNDERSIDE VINYL ASBESTOS TILE VINYL COMPOSITION TILE VERTICAL VERIFY IN FIELD VERIFY WITH CIVIL WEST WITH WATER CLOSET WOOD WINDOW WINDWOODWORK INSTITUTE WIRE MESH SCREEN WITHOUT WATERPROOF WEAKENED PLANE JOINT WOOD SCREW WEIGHT WELDED WIRE FABRI NET SQUARE FEET RESTROOM LUXURY VINYL RUBBER BASE ANGLE CHANNEL CENTER LINE DIAMETER POUND OR NUMBER | | | | DRAWING LABEL NORTH ARROW GRAPHIC SCALE CUT LINE DIMENSION (TO FACE OF) DIMENSION (TO CENTER OF) PLAN ELEVATION VERTICAL ELEVATION GRIDS • LETTERS (VERTICAL) • LEFT TO RIGHT • NUMBERS (HORIZONTAL) • TOP TO BOTTOM REVISION CLOUD LEADER (W/ ARROW) LEADER (W/ DOT) KEYNOTE RESTROOM ACCESSORY WALL TYPE DOOR WINDOW ALTERNATIVE (LOUVER, ETC.) | | | | | | | | | | | | | | | |
| 21. INSTALLATION OF FIRE ALARM SYSTEMS SHALL BE IN ACCORDANCE WITH CFC 1007. | | | | 22. PLANS FOR ALL FIXED FIRE PROTECTION EQUIPMENT SUCH AS STANDPIPES, SPRINKLER SYSTEM AND FIRE ALARM SYSTEM, MUST BE SUBMITTED TO, AND APPROVED BY, THE FIRE PREVENTION BUREAU BEFORE THIS EQUIPMENT IS INSTALLED. | | | | UNLESS OTHERWISE NOTED UNDERSIDE VINYL ASBESTOS TILE VINYL COMPOSITION TILE VERTICAL VERIFY IN FIELD VERIFY WITH CIVIL WEST WITH WATER CLOSET WOOD WINDOW WINDWOODWORK INSTITUTE WIRE MESH SCREEN WITHOUT WATERPROOF WEAKENED PLANE JOINT WOOD SCREW WEIGHT WELDED WIRE FABRI NET SQUARE FEET RESTROOM LUXURY VINYL RUBBER BASE ANGLE CHANNEL CENTER LINE DIAMETER POUND OR NUMBER | | | | DRAWING LABEL NORTH ARROW GRAPHIC SCALE CUT LINE DIMENSION (TO FACE OF) DIMENSION (TO CENTER OF) PLAN ELEVATION VERTICAL ELEVATION GRIDS • LETTERS (VERTICAL) • LEFT TO RIGHT • NUMBERS (HORIZONTAL) • TOP TO BOTTOM REVISION CLOUD LEADER (W/ ARROW) LEADER (W/ DOT) KEYNOTE RESTROOM ACCESSORY WALL TYPE DOOR WINDOW ALTERNATIVE (LOUVER, ETC.) | | | | | | | | | | | | | | | |
| 24. THE CONTRACTOR SHALL PROVIDE AN APPROPRIATE NUMBER OF PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 4A:60B:C FOR PROTECTION DURING CONSTRUCTION. | | | | 25. DOORS IN THE MOE SYSTEM TO BE OPENABLE FROM THE INSIDE WITHOUT USE OF ANY SPECIAL KNOWLEDGE OR EFFORT. | | | | UNLESS OTHERWISE NOTED UNDERSIDE VINYL ASBESTOS TILE VINYL COMPOSITION TILE VERTICAL VERIFY IN FIELD VERIFY WITH CIVIL WEST WITH WATER CLOSET WOOD WINDOW WINDWOODWORK INSTITUTE WIRE MESH SCREEN WITHOUT WATERPROOF WEAKENED PLANE JOINT WOOD SCREW WEIGHT WELDED WIRE FABRI NET SQUARE FEET RESTROOM LUXURY VINYL RUBBER BASE ANGLE CHANNEL CENTER LINE DIAMETER POUND OR NUMBER | | | | DRAWING LABEL NORTH ARROW GRAPHIC SCALE CUT LINE DIMENSION (TO FACE OF) DIMENSION (TO CENTER OF) PLAN ELEVATION VERTICAL ELEVATION GRIDS • LETTERS (VERTICAL) • LEFT TO RIGHT • NUMBERS (HORIZONTAL) • TOP TO BOTTOM REVISION CLOUD LEADER (W/ ARROW) LEADER (W/ DOT) KEYNOTE RESTROOM ACCESSORY WALL TYPE DOOR WINDOW ALTERNATIVE (LOUVER, ETC.) | | | | | | | | | | | | | | | |
| 26. STATE HEALTH & SAFETY CODE SECTION 17921.9 BANS THE USE OF CHLORINATED POLYVINYL CHLORIDE (CPVC) FOR INTERIOR WATER-SUPPLY PIPING. | | | | 27. INFORMATION SHOWN BY CONSULTANTS OR DISCIPLINE DOCUMENTS IS NOT MEANT TO DEFINE SCOPE OF WORK OF SUBCONTRACTOR RESPONSIBILITY. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO DETERMINE SCOPE OF WORK AMONG THE SUBCONTRACTORS DURING THE BIDDING PROCESS. | | | | UNLESS OTHERWISE NOTED UNDERSIDE VINYL ASBESTOS TILE VINYL COMPOSITION TILE VERTICAL VERIFY IN FIELD VERIFY WITH CIVIL WEST WITH WATER CLOSET WOOD WINDOW WINDWOODWORK INSTITUTE WIRE MESH SCREEN WITHOUT WATERPROOF WEAKENED PLANE JOINT WOOD SCREW WEIGHT WELDED WIRE FABRI NET SQUARE FEET RESTROOM LUXURY VINYL RUBBER BASE ANGLE CHANNEL CENTER LINE DIAMETER POUND OR NUMBER | | | | DRAWING LABEL NORTH ARROW GRAPHIC SCALE CUT LINE DIMENSION (TO FACE OF) DIMENSION (TO CENTER OF) PLAN ELEVATION VERTICAL ELEVATION GRIDS • LETTERS (VERTICAL) • LEFT TO RIGHT • NUMBERS (HORIZONTAL) • TOP TO BOTTOM REVISION CLOUD LEADER (W/ ARROW) LEADER (W/ DOT) KEYNOTE RESTROOM ACCESSORY WALL TYPE DOOR WINDOW ALTERNATIVE (LOUVER, ETC.) | | | | | | | | | | | | | | | |
| 28. ARRANGE FOR THE PREMISES TO BE MAINTAINED IN AN ORDERLY MANNER THROUGHOUT THE COURSE OF WORK. PROVIDE AND MAINTAIN TEMPORARY BARRICADES AND FACILITIES AS REQUIRED TO PROTECT THE PUBLIC DURING THE PERIOD OF CONSTRUCTION. BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING STRUCTURES OR EQUIPMENT. SUCH DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ARCHITECT. | | | | 29. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE UNDERGROUND UTILITIES INSTALLATION WITH THE UTILITY COMPANIES. UTILITY INSTALLATION SHOULD OCCUR PRIOR TO STREET PAVING OPERATIONS. CAUTION: BEFORE EXCAVATING, VERIFY THE LOCATION OF UNDERGROUND UTILITES. MINIMUM OF 2 DAYS AND MAXIMUM OF 14 DAYS PRIOR TO EXCAVATION CONTACT FOR MARK-OUT SERVICE: 1-800-227-2600. | | | | UNLESS OTHERWISE NOTED UNDERSIDE VINYL ASBESTOS TILE VINYL COMPOSITION TILE VERTICAL VERIFY IN FIELD VERIFY WITH CIVIL WEST WITH WATER CLOSET WOOD WINDOW WINDWOODWORK INSTITUTE WIRE MESH SCREEN WITHOUT WATERPROOF WEAKENED PLANE JOINT WOOD SCREW WEIGHT WELDED WIRE FABRI NET SQUARE FEET RESTROOM LUXURY VINYL RUBBER BASE ANGLE CHANNEL CENTER LINE DIAMETER POUND OR NUMBER | | | | DRAWING LABEL NORTH ARROW GRAPHIC SCALE CUT LINE DIMENSION (TO FACE OF) DIMENSION (TO CENTER OF) PLAN ELEVATION VERTICAL ELEVATION GRIDS • LETTERS (VERTICAL) • LEFT TO RIGHT • NUMBERS (HORIZONTAL) • TOP TO BOTTOM REVISION CLOUD LEADER (W/ ARROW) LEADER (W/ DOT) KEYNOTE RESTROOM ACCESSORY WALL TYPE DOOR WINDOW ALTERNATIVE (LOUVER, ETC.) | | | | | | | | | | | | | | | |
| CASA CASILLAS ARTIST SPACE 50 4th AVENUE, CHULA VISTA, CA GENERAL NOTES & ABBREVIATIONS | | | | CASA CASILLAS ARTIST SPACE 50 4th AVENUE, CHULA VISTA, CA GENERAL NOTES & ABBREVIATIONS | | | | CASA CASILLAS ARTIST SPACE 50 4th AVENUE, CHULA VISTA, CA GENERAL NOTES & ABBREVIATIONS | | | | CASA CASILLAS ARTIST SPACE 50 4th AVENUE, CHULA VISTA, CA GENERAL NOTES & ABBREVIATIONS | | | | | | | | | | | | | | | |
| RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022 | | | | RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022 | | | | RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022 | | | | RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022 | | | | | | | | | | | | | | | |
| APPROVED BY: DATE: ---- | | | | APPROVED BY: DATE: ---- | | | | APPROVED BY: DATE: ---- | | | | APPROVED BY: DATE: ---- | | | | | | | | | | | | | | | |
| DRAWING NO. G-002 | | | | DRAWING NO. G-002 | | | | DRAWING NO. G-002 | | | | DRAWING NO. G-002 | | | | | | | | | | | | | | | |

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|---------------------|---------------|-------------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | | | |
| DATE COMPLETED: | PRINTED NAME: | ARCHITECT.: | EXPIRATION: |



| LEGEND | | | |
|--|---------------------------|---|------------|
| ROOM FUNCTION | | ROOM FUNCTION | |
| ## NSF | | SQUARE FOOTAGE | |
| ###/### | | OCC. LOAD FACTOR/OCC. LOAD | |
|  | | EXIT LOAD | |
|  | | CUMULATIVE EXIT LOAD | |
|  | | ACTUAL EXIT LOAD | |
|  | | ALLOWABLE EXIT LOAD | |
|  | | MOST REMOTE OCCUPIED POINT WITHIN BUILDING W/ TRAVEL DISTANCE TO EXIT | |
|  | | PANIC HARDWARE | |
|  | | PATH OF EGRESS FROM MOST REMOTE POINT | |
|  | | OVERALL DIAGONAL AREA SERVED | |
| GENERAL NOTES | | | |
| <p>1. EGRESS DOOR SHALL BE READILY OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.</p> <p>2. THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, WILL BE ILLUMINATED TO A LEVEL OF NOT LESS THAN ONE FOOT-CANDLE AT THE WALKING SURFACE AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.</p> <p>3. EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED AT ALL TIMES AND SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM (BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR) THAT WILL AUTOMATICALLY ILLUMINATE THE EXIT SIGNS FOR A DURATION OF NOT LESS THAN 90 MINUTES.</p> <p>4. IF THE CITY BUILDING INSPECTOR DETERMINES NON-COMPLIANCE WITH ANY ACCESSIBILITY PROVISIONS, A COMPLETE AND DETAILED REVISED PLANS CLEARLY SHOWING ALL EXISTING NON -COMPLYING CONDITIONS AND THE PROPOSED MODIFICATIONS TO MEET CURRENT ACCESSIBILITY REQUIREMENTS (INCLUDING SITE PLAN, FLOOR PLANS, DETAILS, ETC.) WILL BE SUBMITTED TO THE DEPARTMENT FOR REVIEW AND APPROVAL.</p> | | | |
| CASA CASILLAS ARTIST SPACE 50 4th AVENUE, CHULA VISTA, CA CODE ANALYSIS | | | |
|  | | CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTA.CA.GOV | |
| RESPONSIBLE CHARGE | OF WORK: DATE: 12/23/2022 | APPROVED BY: | DATE: ---- |
|  | | | |
| Naveen H. Waney, AIA Architect of Record | | | |
| | | DRAWING NO. G-003 | |

3

2

1. CITY COMMENTS
KHA / 11/15/2022

REVISION
BY / DATE
APPD / DATE

REFERENCES DWG. NO.:
CCV DWG No. 15004

DESIGNED BY:
DRAWN BY:
CHECKED BY:

SCALE
HORIZONTAL: 1"=20'
VERTICAL: 1"=4'

DATUM
HORIZONTAL: CCS 83 ZONE 6, EPOCH 1991.35
VERTICAL: NAVD88

k: 1500_MUN/05199124 - 50 4th Avenue (Design) Jan sheets 199124-01.dwg
PLOT DATE: 2/8/2023 - 2:18 PM
PLOT BY: ARTHUR, ALLAN

CASA CASILLAS

IN THE CITY OF CHULA VISTA, CALIFORNIA

GENERAL NOTES

- ALL UNDERGROUND UTILITIES AND LATERALS TO BE INSTALLED BEFORE CONSTRUCTION OF CURB, SIDEWALK, OR SURFACING OF STREETS.
- SIDEWALK IS TO BE SIX INCHES THICK THROUGH ALL DRIVEWAYS.
- ALL WORK SHALL BE COMPLETED PER THESE PLANS AND APPROVED REVISIONS. ALL CHANGES OR REVISIONS THERETO MUST BE APPROVED BY THE CITY ENGINEER, IN WRITING, PRIOR TO ANY REQUEST FOR INSPECTION.
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES AND STRUCTURES, DIRECT BURIAL, WIRING, AND CONDUIT SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS, TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN HEREON, HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING UTILITIES OR STRUCTURES LOCATED AT THE WORK SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UNDERGROUND SERVICE ALERT (PHONE 1-800-422-4133) TWO (2) WORKING DAYS IN ADVANCE OF ANY EXCAVATION FOR THE MARK OUT OF THE LOCATION OF UTILITIES AND NOTIFICATION OF COMMENCEMENT OF WORK. FOR ANY QUESTIONS REGARDING THE MARK OUT OF UNDERGROUND UTILITIES, THE CONTRACTOR SHOULD CONTACT THE RESPECTIVE UTILITY COMPANY:
- CITY OF CHULA VISTA INSPECTION NOTICE:
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE CITY ENGINEER 2 WORKING DAYS IN ADVANCE OF COMMENCEMENT OF WORK. PHONE: (619) 397-6128 AND 1-619-850-0539 FOR ALL LANDSCAPE & IRRIGATION
 - THE CONTRACTOR SHALL GIVE 48 HOURS (TWO WORKING DAYS) NOTICE ON CALLS FOR INSPECTION. PHONE: (619) 397-6128 AND 1-619-850-0539 FOR ALL LANDSCAPE & IRRIGATION.
 - ANY WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL AT CONTRACTOR'S EXPENSE.
 - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND WORK PRIOR TO THE EXCAVATION FOR INSTALLATION OF NEW UNDERGROUND WORK.
- NEITHER THE OWNER NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS DURING CONSTRUCTION OPERATIONS.
- ALL UTILITIES SHALL HAVE A MINIMUM OF 90% RELATIVE COMPACTION IN ALL TRENCH BACKFILL.
- AS-BUILT DRAWINGS: A SET OF BLUELINE PRINTS AND A SET OF SPECIFICATIONS SHALL BE KEPT AT ALL TIMES ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK, INCLUDING ALL UTILITIES, ARE TO BE RECORDED.
- CONTRACTOR SHALL FURNISH TO THE ENGINEER OF WORK AS-BUILT PLANS FOR ALL NEW IMPROVEMENTS SHOWN ON THESE PLANS FOR SUBMITTAL TO THE CITY ENGINEER FOR APPROVAL.
- THE OWNER MUST OBTAIN AN EXCAVATION PERMIT FROM THE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (D.O.S.H.) PRIOR TO START OF CONSTRUCTION.
- DUST GENERATED BY CONSTRUCTION ACTIVITIES SHALL COMPLY WITH LOCAL DUST CONTROL AND UNIFORM BUILDING CODE (UBC) REQUIREMENTS WHICH INCLUDE DUST CONTROL MEASURES FOR CONSTRUCTION SITES. DUST REDUCING MEASURES SHALL INCLUDE REGULAR WATERING OF GRADED SURFACES AND RESTRICTION OF ALL CONSTRUCTION VEHICLES AND EQUIPMENT TO TRAVEL ALONG ESTABLISHED AND REGULARLY WATERED ROADWAYS.
- CONTRACTOR TO COORDINATE ALL UTILITY AND LOW VOLTAGE SHUTDOWNS AND RELOCATIONS AS NEEDED WITH UTILITY PROVIDERS.

PUBLIC IMPROVEMENT AND GRADING PLAN MONUMENTATION NOTES

THE CONTRACTOR/ DEVELOPER SHALL BE RESPONSIBLE THAT ANY MONUMENT OR BENCH MARK WHICH IS DISTURBED OR DESTROYED SHALL BE RE-ESTABLISHED AND REPLACED BY A REGISTERED CIVIL ENGINEER WHO IS ALLOWED TO PRACTICE SURVEYING OR A LICENSED LAND SURVEYOR AND A CORNER RECORD, RECORD OF SURVEY, OR CERTIFICATE OF CORRECTION FILED AS REQUIRED BY THE LAND SURVEYOR'S ACT.

PRECONSTRUCTION CONFERENCE

THE CONTRACTOR SHALL NOT BEGIN WORK ON THIS PROJECT UNTIL A PRE-CONSTRUCTION CONFERENCE IS HELD AMONG THE ENGINEER OF WORK, SOILS ENGINEER, DEVELOPER, CONTRACTOR, AND CITY INSPECTOR.

ABBREVIATIONS

| | | | |
|---------|---------------------------------|------|----------------|
| AC | ASPHALTIC CONCRETE | MIN | MINIMUM |
| ADA | AMERICANS WITH DISABILITIES ACT | O/C | ON CENTER |
| C&G | CURB AND GUTTER | PB | PULL BOX |
| CATV | CABLE TELEVISION | PL | PROPERTY LINE |
| CLR | CLEAR | PVMT | PAVEMENT |
| CO | CURB OUTLET | SCO | SEWER CLEANOUT |
| DG | DECOMPOSED GRANITE | SDWK | SIDEWALK |
| EX | EXISTING | TYP | TYPICAL |
| F/O VLT | FIBER OPTIC VAULT | VLT | VAULT |
| FS | FINISHED SURFACE | WM | WATER METER |
| GM | GAS METER | | |
| HDPE | HIGH-DENSITY POLYETHYLENE | | |
| ICV | IRRIGATION CONTROL VALVE | | |
| MAX | MAXIMUM | | |

SPECIAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE TO INSURE THAT ALL SLOPES, STREETS, UTILITIES, AND STORM DRAINS ARE BUILT IN ACCORDANCE WITH THESE PLANS. IF THERE IS ANY QUESTION REGARDING THESE PLANS OR FIELD STAKES, THE CONTRACTOR SHALL REQUEST AN INTERPRETATION BEFORE DOING ANY WORK BY CALLING THE ENGINEER OF WORK AT (619) 272-7193 AND THE CITY INSPECTOR. THE CONTRACTOR SHALL ALSO TAKE THE NECESSARY STEPS TO PROTECT THE PROJECT AND ADJACENT PROPERTY FROM ANY EROSION AND SILTATION THAT RESULT FROM CONTRACTOR'S OPERATIONS BY APPROPRIATE MEANS (SAND BAGS, HAY BALES, TEMPORARY DESILTING BASINS, SILT FENCES, DIKES, SHORING, ETC.) UNTIL SUCH TIME THAT THE TOTAL PROJECT IS COMPLETED AND ACCEPTED FOR MAINTENANCE BY WHATEVER OWNER, AGENCY OR ASSOCIATION IS TO BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE.
- CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
- LOCATION AND ELEVATIONS OF IMPROVEMENTS TO BE MET (OR AVOIDED) BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR SHALL REPORT TO THE ENGINEER OR CITY INSPECTOR ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND THE PLANS.
- BEFORE EXCAVATING FOR THIS CONTRACT, THE CONTRACTOR SHALL FIELD VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO OTHER EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS.
- CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- CONTRACTOR AGREES: TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, THE ENGINEER AND THE CITY OF CHULA VISTA HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING THEREFROM LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER OR THE CITY OF CHULA VISTA.
- CONTRACTOR IS RESPONSIBLE FOR HAVING TRAFFIC CONTROL PLANS APPROVED BY THE CITY ENGINEER PRIOR TO COMMENCING ANY WORK IN THE PUBLIC RIGHT OF WAY.
- CONTRACTOR SHALL REPAIR ALL DESTROYED OR DAMAGED EXISTING SURFACE IMPROVEMENTS WITH IMPROVEMENTS EQUAL OR SUPERIOR.
- ALL DEMOLISHED MATERIAL SHALL BE REMOVED FROM THE JOB SITE TO AN APPROVED DISPOSAL SITE.
- THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL PROPOSED CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS AND THE CITY ENGINEER.
- SIGN AND POLES SHALL BE CONSTRUCTED CONCURRENT WITH SIDEWALK CONSTRUCTION IN ACCORDANCE WITH CVDS TRF-02, TRF-10, AND TRF-07.

CONSTRUCTION NOTES

- NEW CONSTRUCTION IS SHOWN IN BOLD LINES AND EXISTING IMPROVEMENTS ARE SHOWN IN LIGHT LINES. USE ALL NEW EQUIPMENT AND HARDWARE EXCEPT WHEN NOTED IN THE PLAN, SCHEDULE OR SPECIFICATION. ALL OTHER EQUIPMENT SHALL REMAIN IN PLACE
- REMOVE AND SALVAGE SIGNS, AND POSTS. REMOVE ABANDONED FOUNDATIONS TO A DEPTH OF 6" BELOW EXISTING SURFACE GRADE OR 30" BELOW GRADE IN DIRT AREAS. SALVAGED EQUIPMENT SHALL BE DELIVERED TO THE CITY CORPORATION YARD LOCATED AT 1800 MAXWELL ROAD. ALL OTHER REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- SANDBLAST EXISTING CONFLICTING STRIPING AS SHOWN ON PLAN. ALL SANDBLASTED AREAS SHALL BE REPAVED BY APPLYING A SEAL COAT OR OTHER APPROVED METHODS IN ORDER TO RESTORE THE PAVEMENT'S EXISTING CONDITION.
- CONTRACTOR TO RESTORE LANDSCAPE DISTURBED OUTSIDE OF IMPROVEMENT LIMITS
- REFER TO ELECTRICAL PLANS FOR PROPOSED EXTERIOR ELECTRICAL AND LIGHTING INFORMATION

DIG ALERT NOTICE

IMPORTANT NOTICE
SECTION 4215/4217 OF THE GOVERNMENT CODE REQUIRES THAT A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. PER YOUR DIG ALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-422-4133 TWO WORKING DAYS BEFORE YOU DIG.

ENGINEER OF WORK - AS-BUILT

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE IMPROVEMENTS SHOWN ON THIS SET OF PLANS (SHEET C-001 THROUGH SHEET C-005) HAVE BEEN INSTALLED AND CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH SAID PLANS, APPROPRIATE STANDARDS AND ANY DISCRETIONARY APPROVAL(S) FOR THE PROJECT.

SIGNED: _____ DATE: _____
PRINTED NAME: _____ P.E. NO: _____
DISCIPLINE: _____ MY REGISTRATION EXPIRES: _____

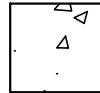


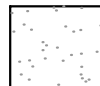






IRRIGATION NOTES

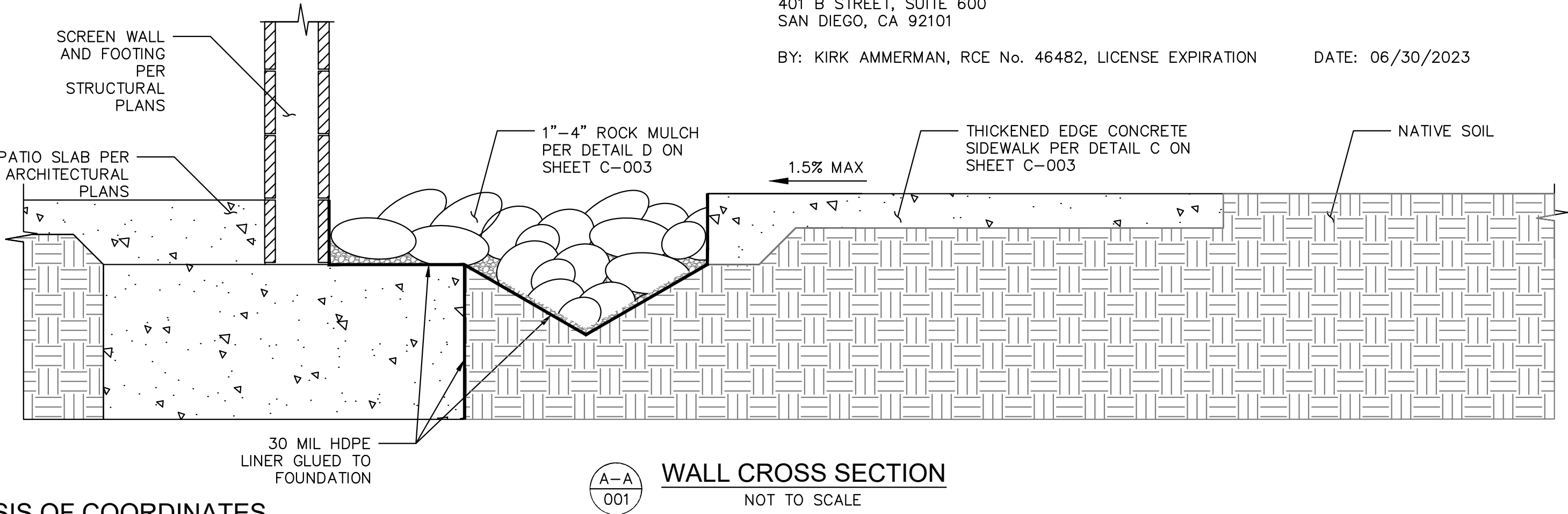
- EXISTING IRRIGATION LATERAL LINES, HEADS, WIRING AND ALL OTHER ASSOCIATED EQUIPMENT IMPACTED BY THE PROJECT CONSTRUCTION SHALL BE CAREFULLY CUT, CAPPED AND RELOCATED TO EXISTING LANDSCAPE AREAS. PRIOR TO COMPLETION, CONTRACTOR SHALL ENSURE THAT ALL EXISTING IRRIGATION SYSTEMS IMPACTED ARE IN FULL WORKING ORDER WITH COMPLETE HEAD TO HEAD COVERAGE INCLUDING NO OVERSPRAY ONTO HARDSCAPE SURFACES. ANY IRRIGATION EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN LIKE KIND BY THE CONTRACTOR.

PARKING REQUIREMENTS

EXISTING PARKING SPACES: 21
REQUIRED ADA PARKING SPACES: 1
PROVIDED ADA PARKING SPACES: 1 (VAN ACCESSIBLE)

LEGEND

-  CONCRETE (INCLUDES SIDEWALKS, DRIVEWAYS, AND OTHER CONCRETE SURFACES)
-  ASPHALT PAVEMENT
-  STABILIZED DECOMPOSED GRANITE OVER NON-WOVEN WEED BARRIER
-  1/2" ROCK MULCH OVER NON-WOVEN WEED BARRIER
-  1"-4" ROCK MULCH OVER NON-WOVEN WEED BARRIER
-  SURFACE SELECT BOULDER-SIZE 3'X3'X3'-COLOR PER SPECIFICATIONS-SEE DETAIL E SHEET C-003
-  SURFACE SELECT BOULDER-SIZE 4'X4'X4'-COLOR PER SPECIFICATIONS-SEE DETAIL E SHEET C-003
-  SAWCUT
-  GRADE BREAK
-  ADA PATH OF TRAVEL
- DIRECTION OF FLOW



BASIS OF COORDINATES

THE BASIS OF COORDINATES FOR THIS SURVEY IS THE NORTH AMERICAN DATUM OF 1983 (NAD 83) CALIFORNIA STATE PLANE COORDINATE SYSTEM OF 1983 (CCS83) ZONE 6 (EPOCH 1991.35) BASED LOCALLY UPON THE FOLLOWING CONTROL POINTS PER RECORD OF SURVEY 14841:

| STATION | NORTHING | EASTING | DESCRIPTION |
|---------|-------------|-------------|--|
| 3290 | 1817484.662 | 6304388.434 | 2"IP & DISC, RCE 26112, 3rd AVE |
| 4002 | 1812196.343 | 6300291.218 | & GLOVER CALTRANS BRASS DISC IN WALK SW COR F ST & I-5 BRIDGE. |

GRID BEARING BETWEEN #3290 AND #4002 = S 37°46'02" W.

VERTICAL CONTROL:

ELEVATIONS SHOWN HEREON ARE IN TERMS OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) BASED LOCALLY UPON THE FOLLOWING CITY OF CHULA VISTA BENCHMARK PER CITY DATA SHEET 3290.

BENCHMARK
2"IP & DISC, RCE 26112, 3rd AVE & GLOVER

ELEVATION
17.444'

LEGAL DESCRIPTION

50 N. 4TH ST. CHULA VISTA, CA
TR 505 QSEC 150 LOT 16 LOT 15
& (EX ST)

ASSESSOR'S PARCEL

565-120-03

OWNER/DEVELOPER

THE CITY OF CHULA VISTA
DEPARTMENT OF PARKS AND RECREATION
276 FOURTH AVENUE
CHULA VISTA, CA 91910

AS-BUILTS

THE CONTRACTOR SHALL FURNISH TO THE ENGINEER OF WORK, AS-BUILT PLANS FOR ALL NEW IMPROVEMENTS AND GRADING SHOWN ON THESE PLANS FOR SUBMITTAL TO THE CITY ENGINEER FOR APPROVAL IN ACCORDANCE WITH SECTION 15.04.140 OF THE CHULA VISTA MUNICIPAL CODE

WORK TO BE DONE

THE WORK TO BE DONE CONSISTS OF THE ITEMS INDICATED UNDER THE "LEGEND" SHOWN BELOW, AND IS TO BE DONE IN ACCORDANCE WITH THESE PLANS AND THE FOLLOWING LIST OR PRINTED MATERIALS AS CURRENTLY ADOPTED BY THE CITY OF CHULA VISTA CITY COUNCIL INCLUDING THE FOLLOWING:

- 2012 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK") AND 2012 REGIONAL SUPPLEMENT AMENDMENTS (TO THE GREENBOOK).
- MAY 2021 CITY OF CHULA VISTA STANDARD SPECIAL PROVISIONS (TO THE GREENBOOK).
- 2017 DESIGN AND CONSTRUCTION STANDARDS OF THE CITY OF CHULA VISTA.
- 2015 SAN DIEGO REGIONAL STANDARD DRAWINGS

ALL REFERENCES ARE TO BE MADE PART OF THESE PLANS. ANY CHANGES OR REVISIONS THEREFROM, SHALL BE APPROVED BY THE CITY ENGINEER, OR THEIR DESIGNEE, PRIOR TO ANY REQUEST FOR INSPECTION.

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF THE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF CHULA VISTA AND WATER DISTRICT IS CONFINED TO REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

KIMLEY-HORN
401 B STREET, SUITE 600
SAN DIEGO, CA 92101

BY: KIRK AMMERMAN, RCE No. 46482, LICENSE EXPIRATION DATE: 06/30/2023

CASA CASILLAS ARTIST SPACE 50 N. 4TH AVENUE, CHULA VISTA, CA CIVIL GENERAL NOTES

UTILITY NOTE: ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE PLOTTED FROM RECORD DATA AT THEIR APPROXIMATE LOCATIONS. UNDERGROUND FACILITIES MAY EXIST WHICH HAVE NOT BEEN REPORTED OR ARE NOT OF RECORD. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PERTINENT UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.



CITY OF CHULA VISTA
PUBLIC WORKS
1800 MAXWELL ROAD
CHULA VISTA, CA 91910
WWW.CHULAVISTACA.GOV

RESPONSIBLE CHARGE OF WORK DATE: 12/23/2022

APPROVED BY:

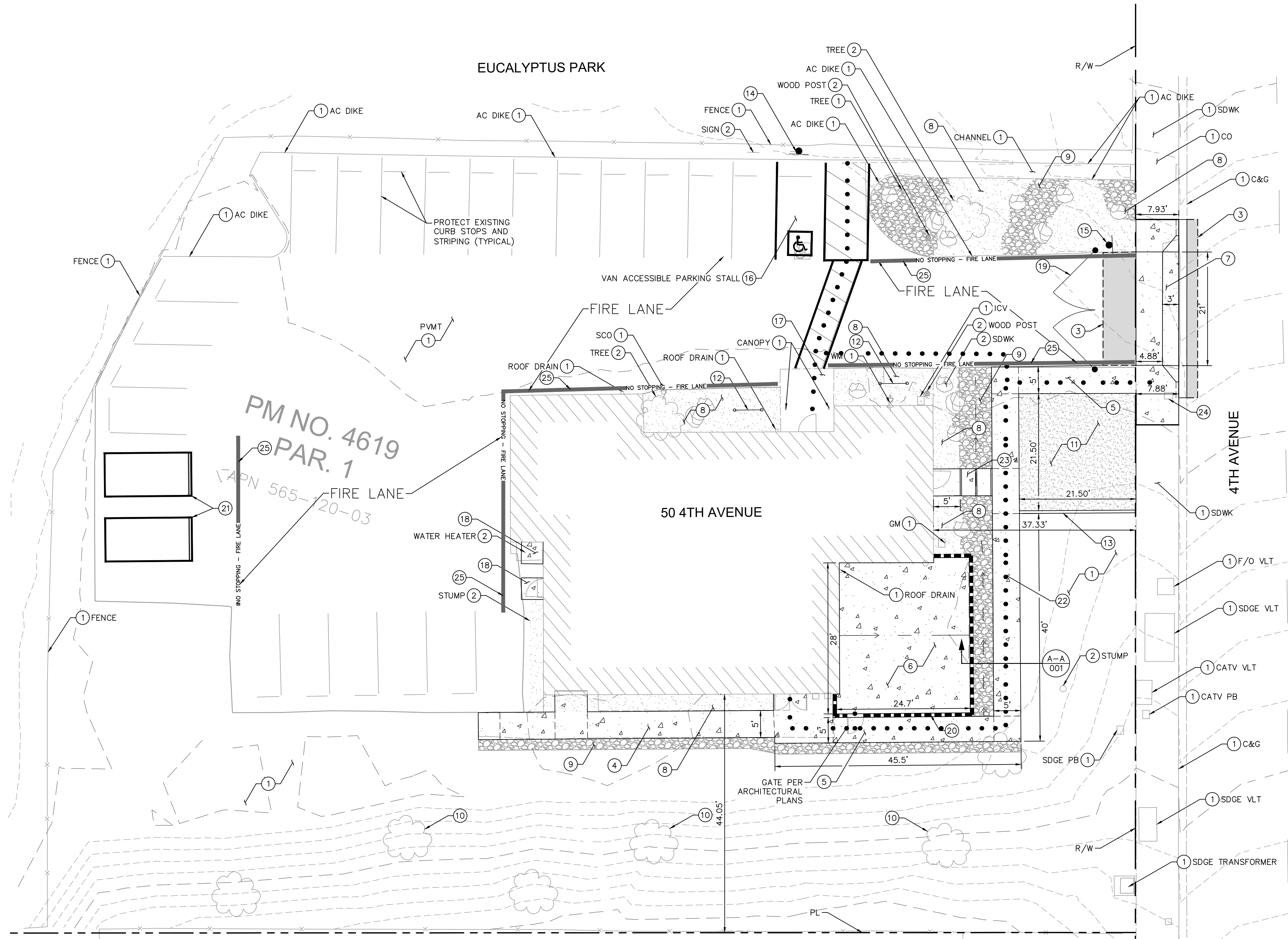
DATE: 2022


KIRK P. AMMERMAN, P.E.
CIVIL ENGINEER

DRAWING NO.

C-001

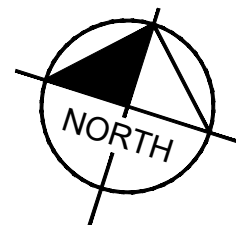
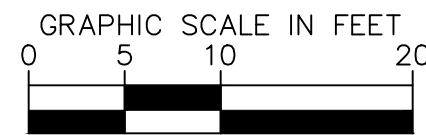
| | | | | |
|---|--|----------------------|--|---------------------|
| k: SWD_MUN/065199124 - 50 4th avenue / (Design) Urban | | DATE | | CONTRACT |
| PLOT DATES: 2/8/2023 - 2:18 PM | | DRAWN BY: | | INSPECTOR |
| PLOT BY: ARTHUR, JULIAN | | CHECKED BY: | | |
| HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | DESIGNED BY: | | |
| VERTICAL: NAVD88 | | SCALE | | |
| | | HORIZONTAL: 1"=20' | | |
| | | VERTICAL: 1"=4' | | |
| | | REFERENCES DWG. NO.: | | |
| | | CCV DWG No. 15024 | | |
| | | REVISION | | |
| | | BY / DATE | | 1. CITY COMMENTS 2. |
| | | APPD / DATE | | 3. |



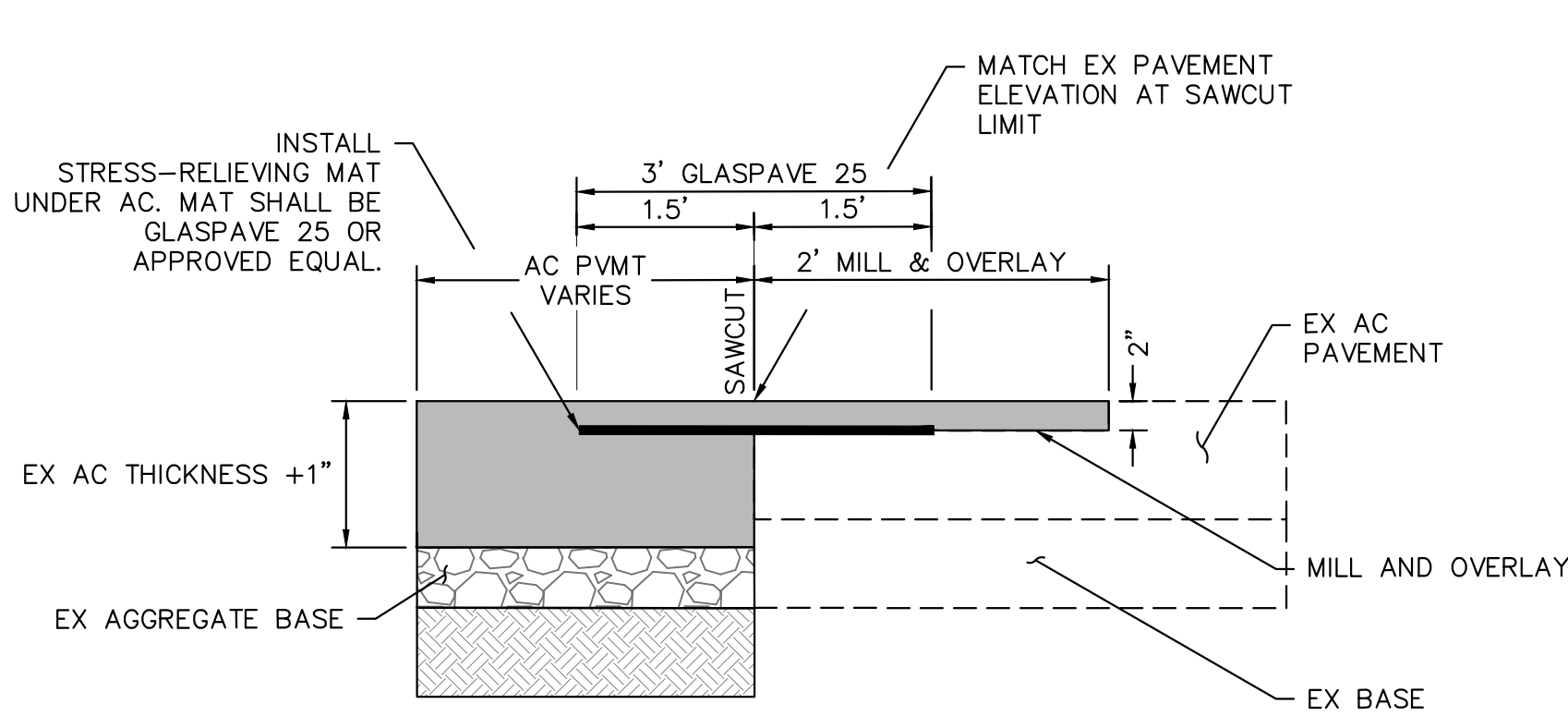
NOTE: REMOVE ALL OVERGROWTH TO 2- FEET AWAY FROM SIDEWALK OR PAVED SURFACE. REMOVE ALL STUMPS THROUGHOUT PROPERTY

NOTE: IF THE CITY BUILDING INSPECTOR DETERMINES NON-COMPLIANCE WITH ANY ACCESSIBILITY PROVISIONS, A COMPLETE AND DETAILED REVISED PLANS CLEARLY SHOWING ALL EXISTING NON-COMPLYING CONDITIONS AND THE PROPOSED MODIFICATIONS TO MEET CURRENT ACCESSIBILITY REQUIREMENTS (INCLUDING SITE PLAN, FLOOR PLANS, DETAILS, ETC.) WILL BE SUBMITTED TO THE DEPARTMENT FOR REVIEW AND APPROVAL.

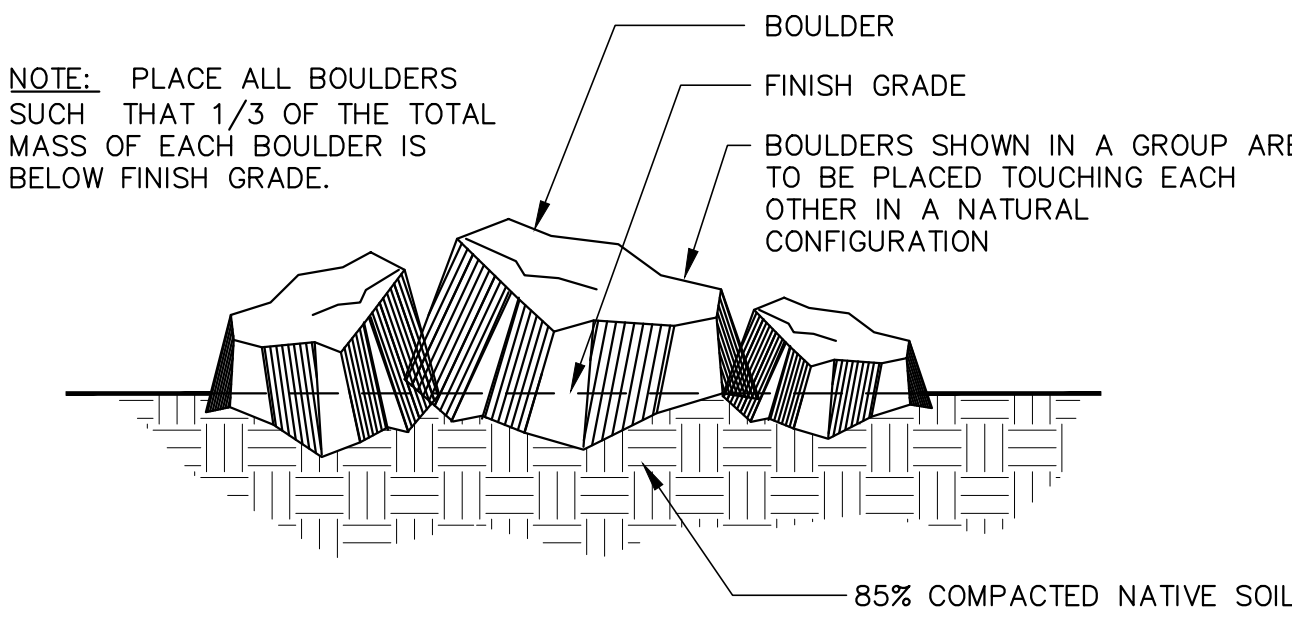
| CONSTRUCTION RECORD | | AS-BUILT | | |
|---------------------|---------|---------------|-------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: | |
| INSPECTOR: | | | | |
| DATE COMPLETED: | | PRINTED NAME: | R.C.E. NO.: | EXPIRATION: |



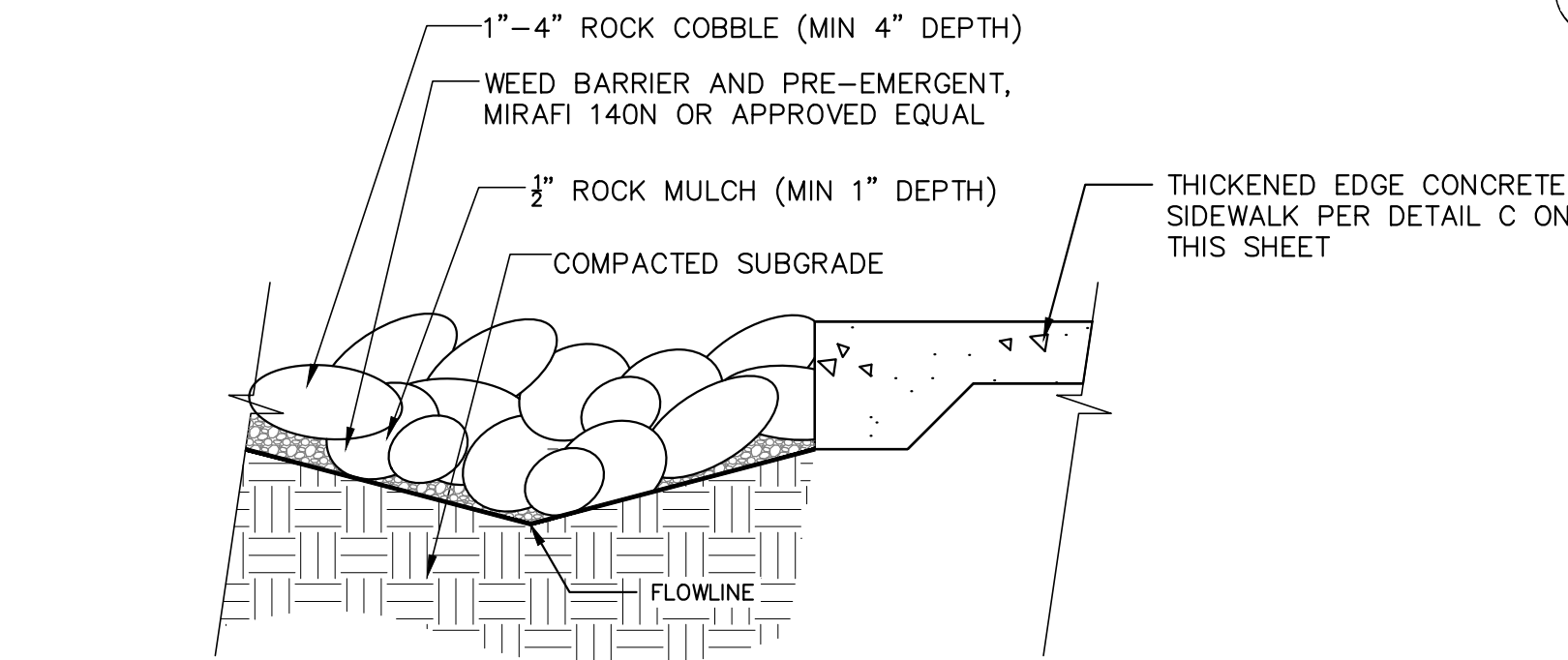
| | | |
|---|--|--|
| <p align="center">CASA CASILLAS ARTIST SPACE 50 N. 4TH AVENUE, CHULA VISTA, CA</p> <p align="center">FACILITY IMPROVEMENT PLAN</p> | | |
| <p><u>UTILITY NOTE:</u> ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE PLOTTED FROM RECORD DATA AT THEIR APPROXIMATE LOCATIONS. UNDERGROUND FACILITIES MAY EXIST WHICH HAVE NOT BEEN REPORTED OR ARE NOT OF RECORD. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PERTINENT UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.</p> |  <p align="center">CITY OF CHULA VISTA</p> | <p>CITY OF CHULA VISTA PUBLIC WORKS</p> <p>1800 MAXWELL ROAD CHULA VISTA, CA 91910 WWW.CHULAVISTA.CA.GOV</p> |
| <p>RESPONSIBLE CHARGE OF WORK DATE: <u>12/23/2022</u></p> | <p>APPROVED BY:</p> <p align="center"></p> <p>KIRK P. AMMERMAN, P.E. CIVIL ENGINEER</p> | <p>DATE: <u>2022</u></p> <p align="right">DRAWING NO.</p> <p align="right">C-002</p> |



A
003
AC PAVEMENT SAWCUT DETAIL
NOT TO SCALE

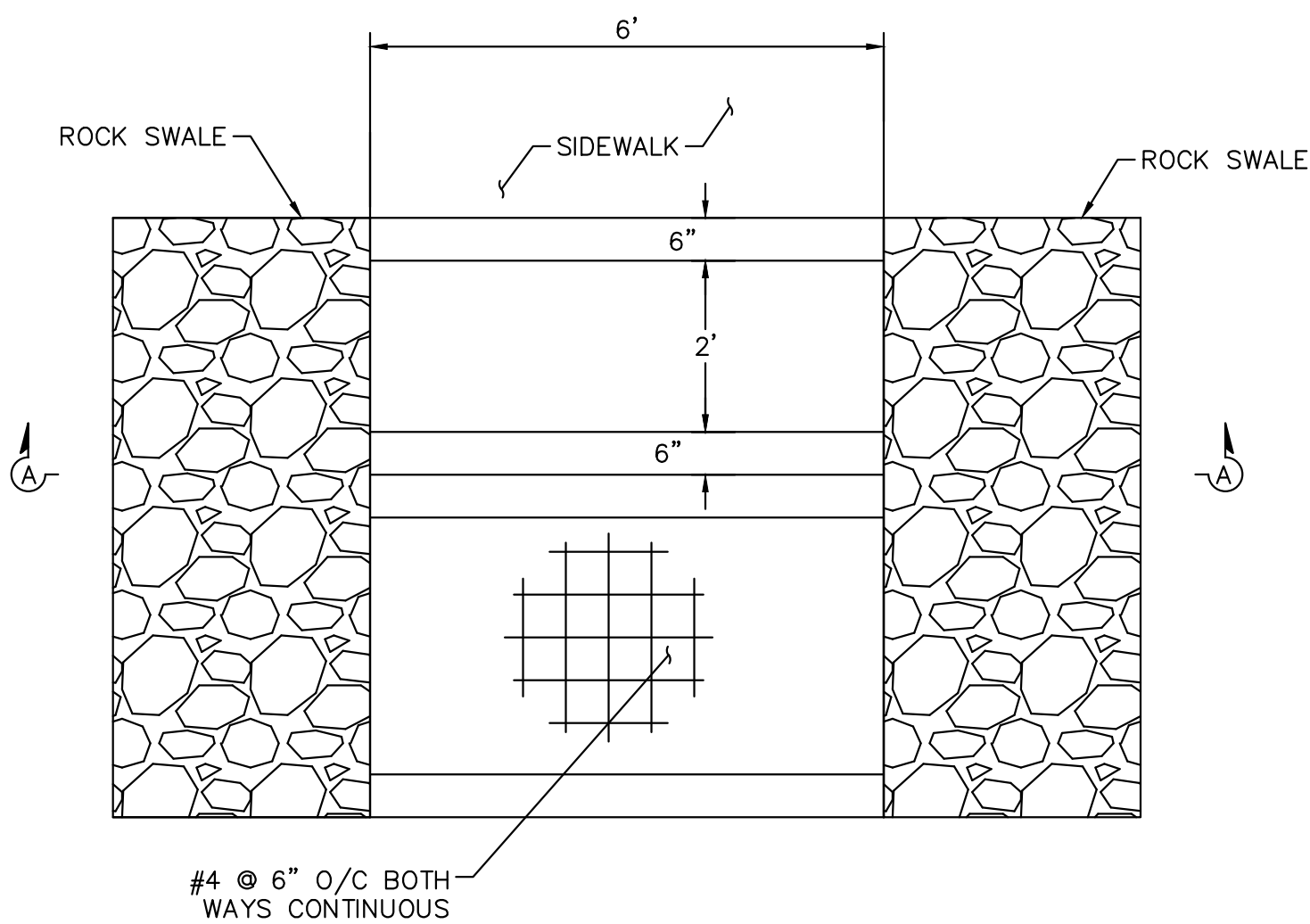


E
003
SURFACE SELECT BOULDER
NOT TO SCALE



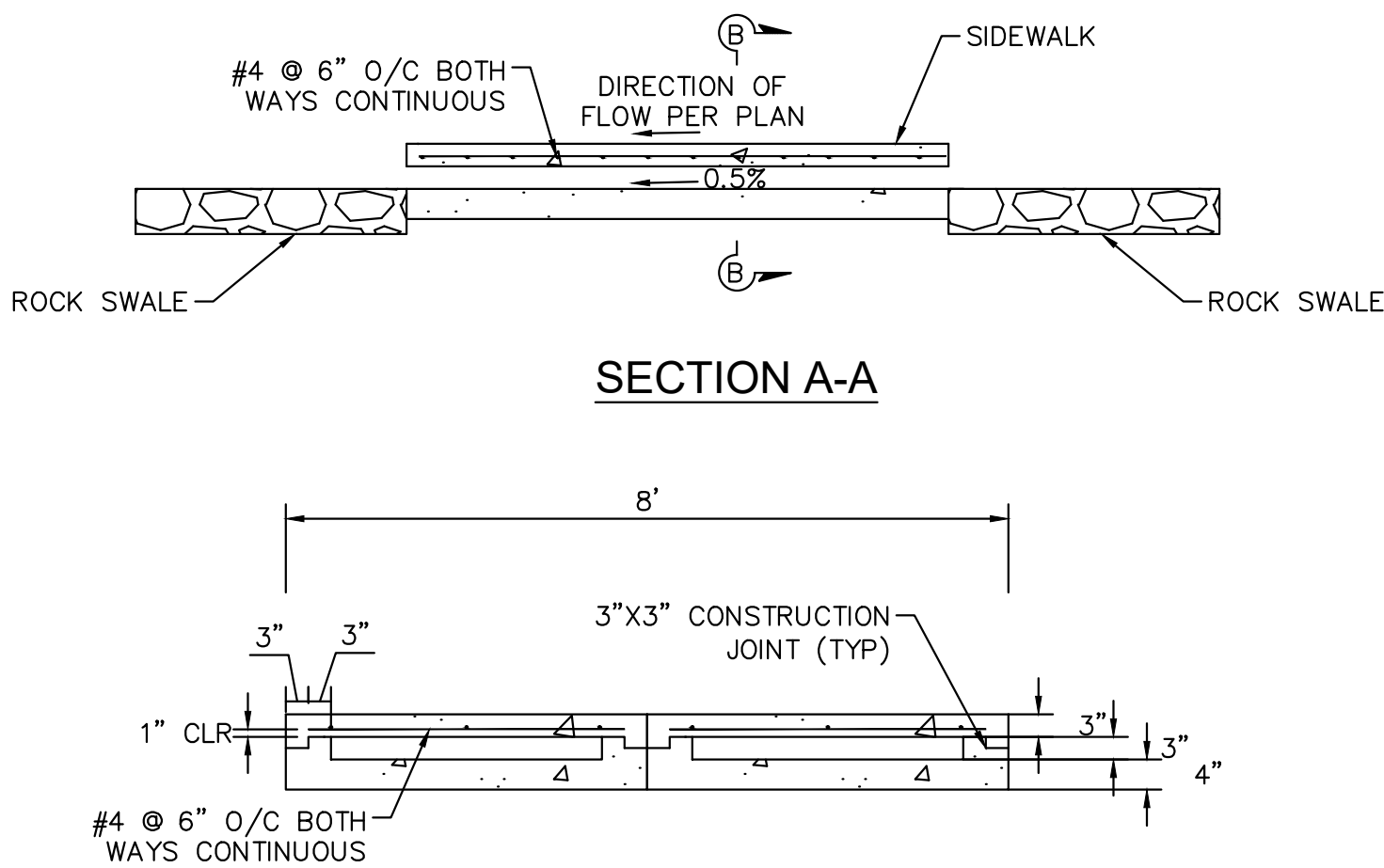
- NOTE:**
1. COMPACT SUBGRADE TO 85% AT 4% OVER OPTIMUM MOISTURE CONTENT AND APPLY A PREEMERGENT HERBICIDE TO THE SOIL BEFORE PLACING ROCK MULCH AT REQUIRED DEPTH. RAKE SMOOTH, WET TO ENTIRE DEPTH, ROLL WITH A 150 LB ROLLER, THEN LIGHTLY SCARIFY SURFACE WITH A LEAF RAKE. KEEP TOP OF ROCK MULCH 1" BELOW ADJACENT WALKS, CURBS, OR OTHER HARD SURFACES.
 2. APPLY SECOND APPLICATION OF PRE-EMERGENT HERBICIDE AFTER INSTALLATION OF ROCK COBBLE.
 3. CONTRACTOR TO PROVIDE 100% FULL COVERAGE TO ENSURE THAT WEED BARRIER IS NOT VISIBLE.

D
003
1"-4" ROCK COBBLE (4" MIN DEPTH)
NOT TO SCALE



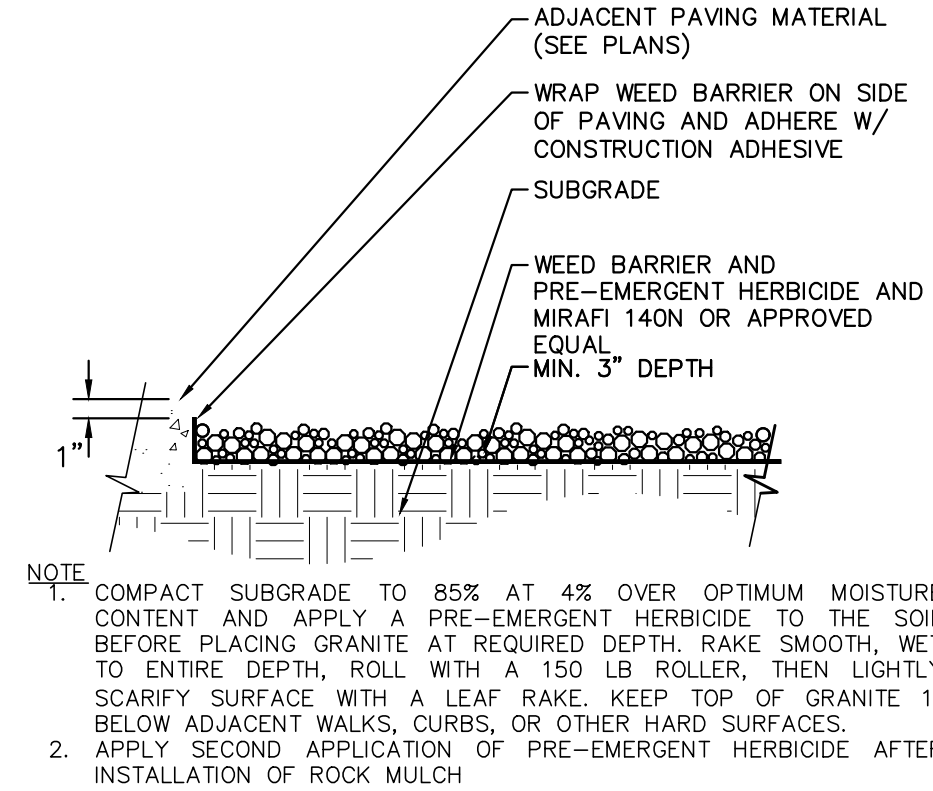
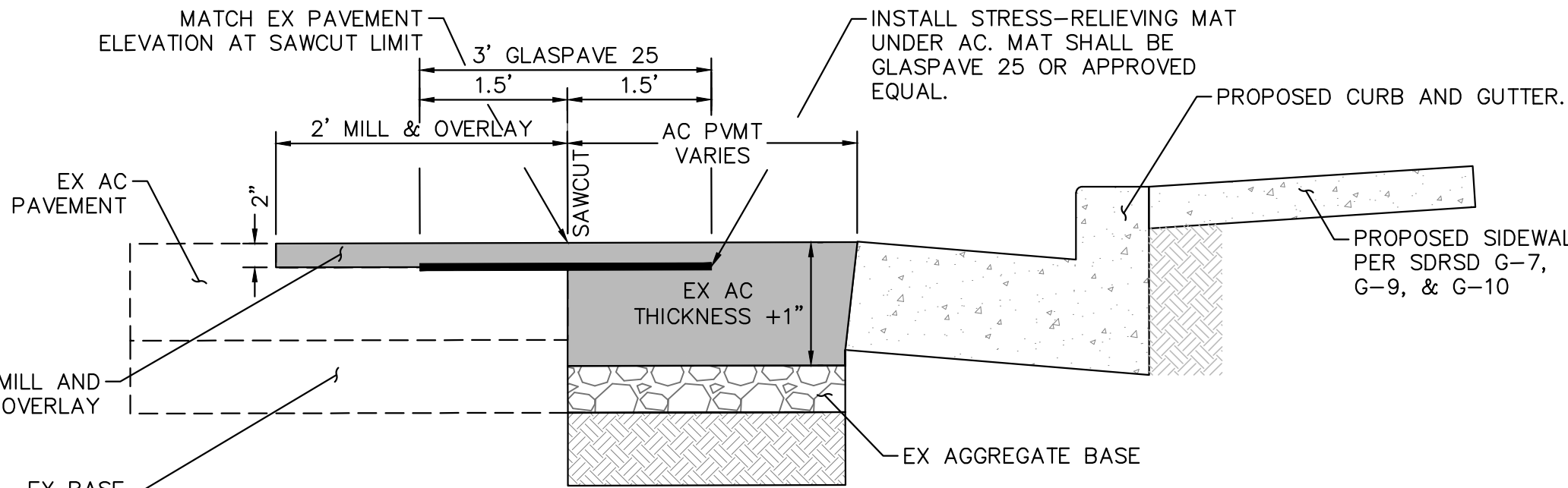
PLAN

G
003
MODIFIED SDRSD D-25: CURB OUTLET - TYPE A
NOT TO SCALE

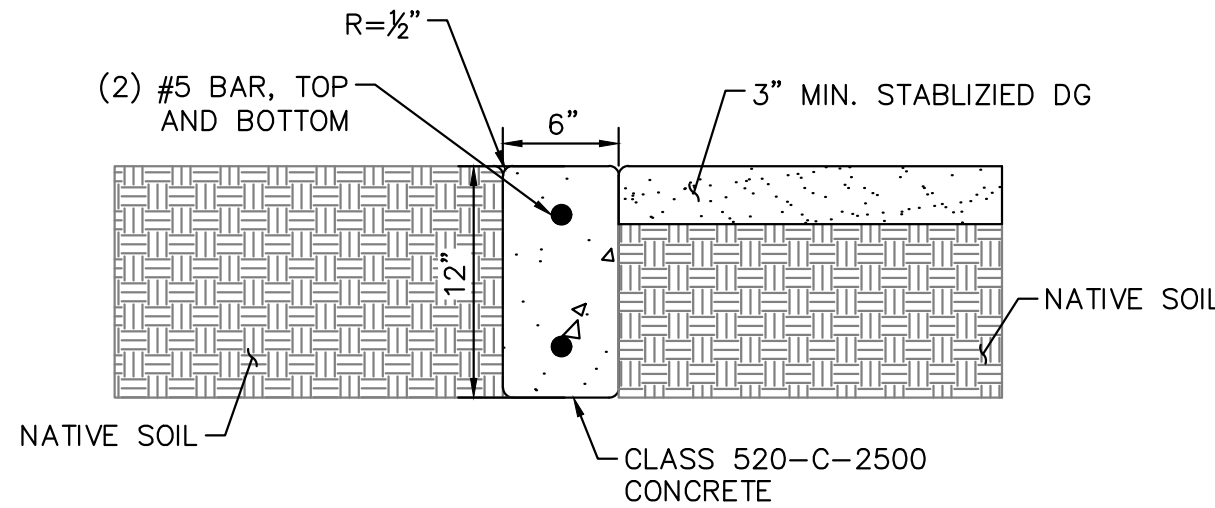


SECTION B-B

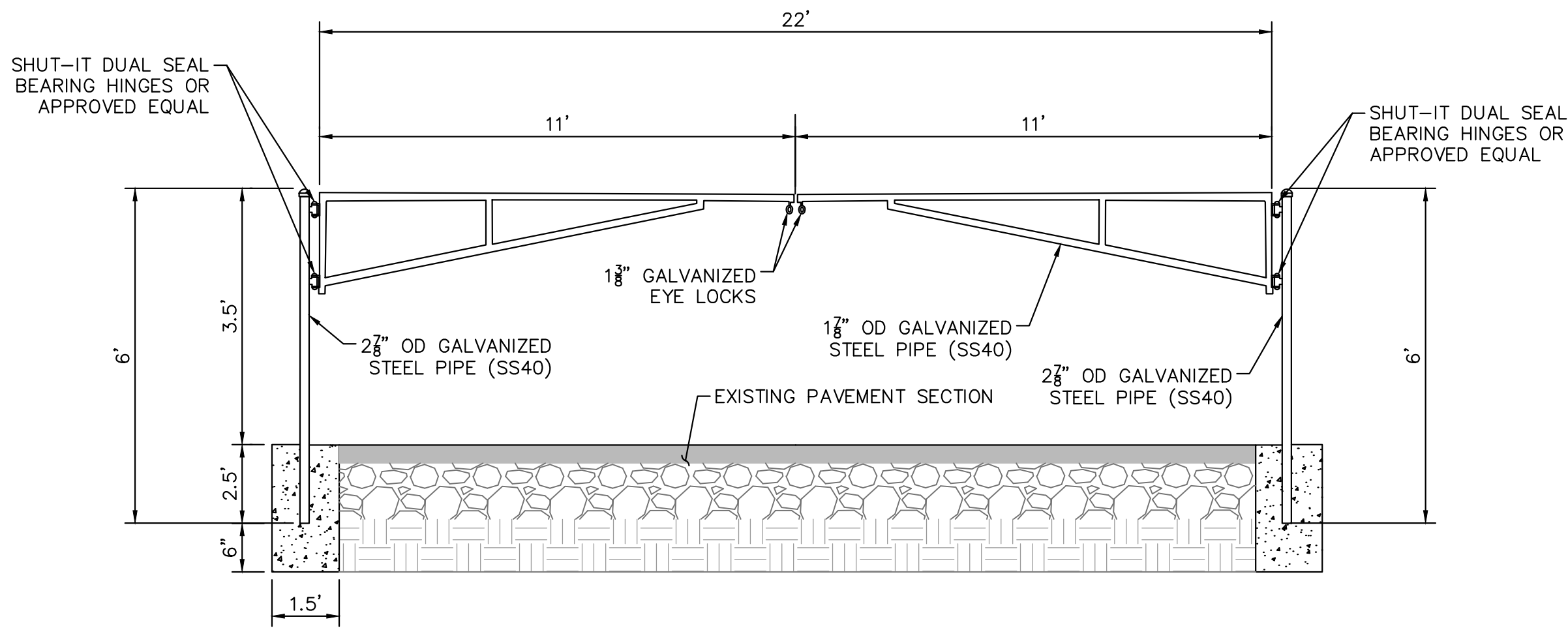
| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|-------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | R.C.E. NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |



B
003
1/ 2" ROCK MULCH (3" MIN DEPTH)
NOT TO SCALE





F
003
MOW CURB DETAIL
NOT TO SCALE

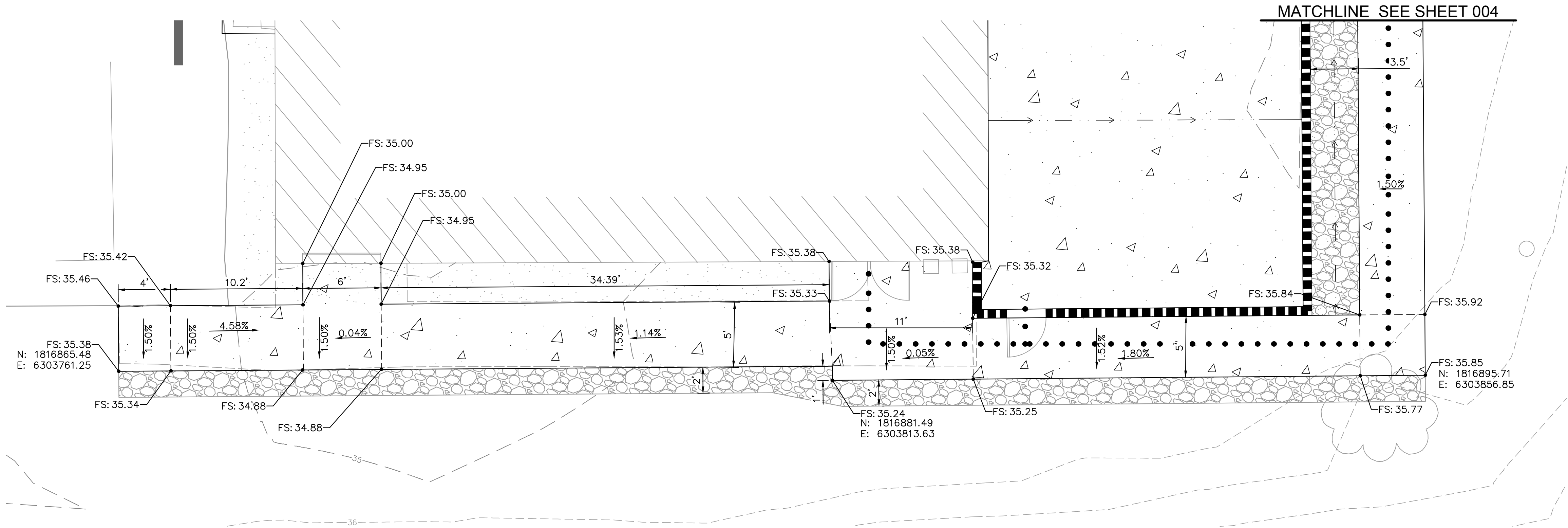


H
003
22' MANUAL DOUBLE SWING BARRIER GATE
NOT TO SCALE

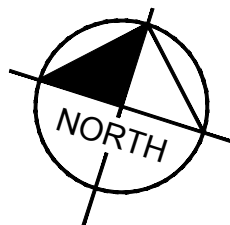
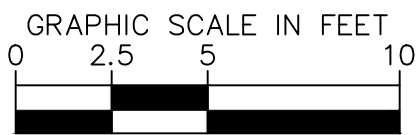


| CASA CASILLAS ARTIST SPACE 50 N. 4TH AVENUE, CHULA VISTA, CA | | | |
|--|--|--|--|
| CIVIL DETAILS | | | |
| UTILITY NOTE: ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE PLOTTED FROM RECORD DATA AT THEIR APPROXIMATE LOCATIONS. UNDERGROUND FACILITIES MAY EXIST WHICH HAVE NOT BEEN REPORTED OR ARE NOT OF RECORD. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PERTINENT UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. | |  CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD CHULA VISTA, CA 91910 WWW.CHULAVISTACA.GOV | |
| RESPONSIBLE CHARGE OF WORK DATE: 12/23/2022 | | APPROVED BY: DATE: 2022 | |
|  KIRK P. AMMERMAN, P.E. CIVIL ENGINEER | | DRAWING NO. C-003 | |



| | | | | | | | |
|---|--|--|--|---|--------------|------------------|----|
| K:\SNO_MUN\095199124 - 50 4th Avenue.tif\Design\plan sheets\199124-Paving DATE: 3/2/2023 12:28 PLOT BY: DMM, WARENE | DATUM HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 VERTICAL: NAVD88 | SCALE HORIZONTAL: 1"=20' VERTICAL: 1"=4' | DESIGNED BY: DRAWN BY: CHECKED BY: | REFERENCES DWG. NO.: CCV DWG No. 15024 | REVISION | 1. CITY COMMENTS | 3. |
| | | | | | BY / DATE | KHA / 11/15/2022 | 2. |
| | | | | | APP'D / DATE | | |



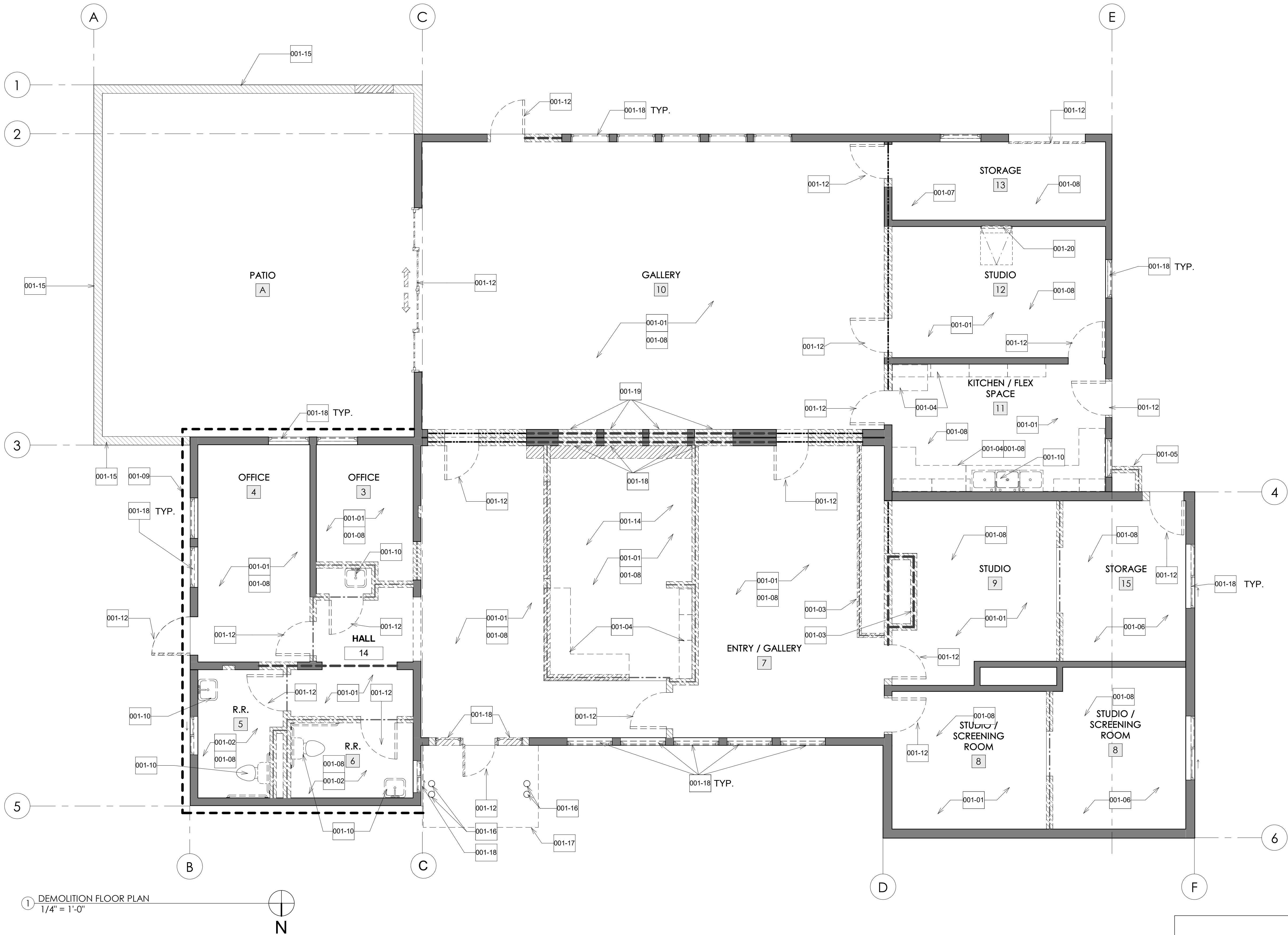
SOUTH ENTRANCE - ADA DETAIL
SCALE = 1"=5'



| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|-------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | R.C.E. NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |

| CASA CASILLAS ARTIST SPACE 50 N. 4TH AVENUE, CHULA VISTA, CA | | | |
|---|--|--|-------------------|
| CIVIL DETAILS | | | |
| UTILITY NOTE: ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE PLOTTED FROM RECORD DATA AT THEIR APPROXIMATE LOCATIONS. UNDERGROUND FACILITIES MAY EXIST WHICH HAVE NOT BEEN REPORTED OR ARE NOT OF RECORD. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PERTINENT UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. | |  CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD CHULA VISTA, CA 91910 WWW.CHULAVISTACA.GOV | |
| RESPONSIBLE CHARGE OF WORK DATE: 12/23/2022 | APPROVED BY:  | DATE: 2022 | DRAWING NO. C-005 |
| KIRK P. AMMERMAN, P.E. CIVIL ENGINEER | | | |

| | | | | |
|------------------|----|----|---|----|
| 3. | 2. | 1. | REFERENCES DWG. NO.: | |
| | | | COV DWG No. 15024 | |
| | | | DESIGNED BY: | MB |
| | | | DESIGNED BY: | MB |
| | | | SCALE | |
| | | | HORIZONTAL: 1"=20' | |
| | | | VERTICAL: 1"=4' | |
| | | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | |
| VERTICAL: NAVD88 | | | | |



1 DEMOLITION FLOOR PLAN
1/4" = 1'-0"

| # | KEYNOTES |
|--------|---|
| 001-01 | DEMO ALL CARPET AND VINYL FLOORING |
| 001-02 | DEMO TILE WALLS & FLOOR FINISH & DRAINS. |
| 001-03 | DEMO FIREPLACE AND HEARTH |
| 001-04 | DEMO CASEWORK |
| 001-05 | DEMO WATER HEATER AND CMU MECHANICAL SHED |
| 001-06 | DEMO SHOWER 3" CONCRETE SLAB |
| 001-07 | DEMO ALL TEMPORARY STRUCTURES |
| 001-08 | DEMO CEILINGS AND SOFFITS |
| 001-09 | DEMO WOOD FACADE/CLADDING ASSEMBLY |
| 001-10 | PLUMBING FIXTURES |
| 001-12 | DEMO ALL EXISTING DOORS |
| 001-14 | DEMO CEILING ABOVE UP TO ROOF RAFTERS |
| 001-15 | DEMO EXISTING CMU WALL |
| 001-16 | CANOPY AND COLUMNS TO REMAIN |
| 001-17 | REPAIR & REPLACE CANOPY ROOFING SYSTEM INCLUDING MEMBRANE, FLASHING, DRAINS, GUTTERS & DOWNSPOUTS. PROVIDE 60 MIL PVC SINGLY-PLY. |
| 001-18 | DEMO ALL WINDOWS |
| 001-19 | DEMO WALL OPENING TO MATCH ADJACENT WINDOW OPENINGS |
| 001-20 | DEMO GYP PER NEW ROOF ACCESS LADDER INSTALLATION |

GENERAL NOTES

1. PREPARE FULL EXTERIOR AND INTERIOR FOR NEW PAINT
2. ELECTRICAL CONDUITS
3. SEE C-002, M-101, M-102, E-101, E-103, P-101, P-102 FOR ADDITIONAL DEMOLITION NOTES.
4. CLEAN EXISTING WOOD FRAMING & DECK TO REMAIN. REMOVE ALL UNNECESSARY ATTACHMENT TO FRAME, SCREWS, STAPLES, INSULATION, ETC.

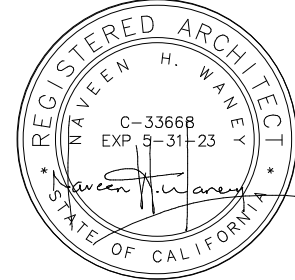
LEGEND

- DEMO EXISTING WALL: FOR DOOR & WINDOW DEMO @ OPENINGS SEE DOOR & WINDOW SCHEDULE ON A601 FOR DOOR SIZE.
- DEMO EXISTING DOOR
- EXISTING TO REMAIN
- KEY NOTE
- Room name
- ROOM NAME & NUMBER
- BEARING NON-SHEAR WALL
- SHEAR WALL ONLY
- BEARING + SHEAR WALL
- NON-STRUCTURAL NON-BEARING WALLS

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|-----------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT | EXPIRATION: |
| DATE COMPLETED: | | | |

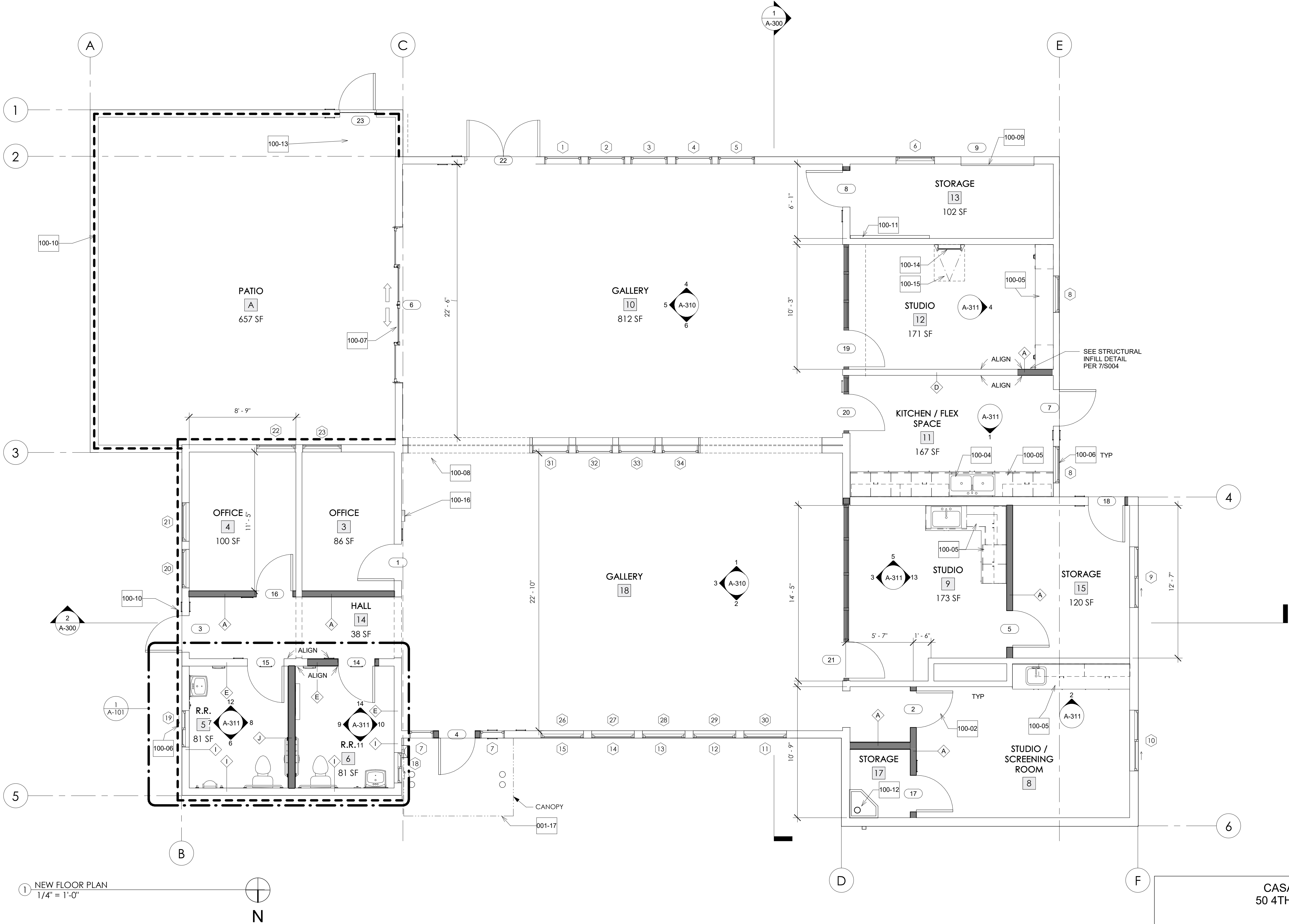
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SAN DIEGO, CALIFORNIA
92104



| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE, CHULA VISTA, CA DEMOLITION FLOOR PLAN | | | |
|---|------------------|--------------|----------------------|
| RESPONSIBLE CHARGE OF WORK: NAVEEN H. WANNEY, AIA Architect of Record | DATE: 12/23/2022 | APPROVED BY: | DRAWING NO. A-001 |
| | | | |

| | | | | | |
|----------------------|--|---|--|---------------------------------------|--|
| 3. | | 2. | | 1. | |
| REVISION | | BY / DATE | | APP'D / DATE | |
| REFERENCES DWG. NO.: | | DESIGNED BY: | | SCALE | |
| CCV DWG No. 15024 | | MB MB GT | | HORIZONTAL: 1"=20' VERTICAL: 1"=4' | |
| DATUM | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | VERTICAL: NAVD88 | |



| # | KEYNOTES |
|--------|---|
| 001-06 | DEMO SHOWER 3" CONCRETE SLAB |
| 001-17 | REPAIR & REPLACE CANOPY ROOFING SYSTEM INCLUDING MEMBRANE, FLASHING, DRAINS, GUTTERS & DOWNSPOUTS. PROVIDE 60 MIL PVC SINGLY-PLY. |
| 100-02 | HOLLOW METAL DOOR AND FRAME |
| 100-04 | KITCHEN SINK |
| 100-05 | UPPER AND LOWER PLASTIC LAMINATE CABINETS WITH SOLID SURFACE COUNTERTOPS |
| 100-06 | WINDOWS AND FRAMES. TYP. SEE SHEET A-601 WINDOW SCHEDULE |
| 100-07 | VERTICAL BI-FOLDING GLASS PATIO DOOR |
| 100-08 | ACCORDIAN DOORS |
| 100-09 | COILING DOOR |
| 100-10 | COR-PAN 0.5 PROFILE METAL WALL PANEL.COLOR:SUNSET FLARE OR EQUAL SEE 7-S503 FOR CONNECTION DETAILS |
| 100-11 | ELECTRICAL PANEL PER ELECTRICAL SHEETS |
| 100-12 | FLOOR SINK |
| 100-13 | GATE WITH PERFORATED METAL PANEL. HOLE:1/4" ROUND. PATTERN:STAGGERED. GAUGE: 16-18 GA PAINTED (COLOR:TBD) POWDER COATED. |
| 100-14 | NEW LADDER |
| 100-15 | NEW ROOF HATCH SEE 1/A-501 |
| 100-16 | FIRE EXTINGUISHER: 5 LB 2A10BC |

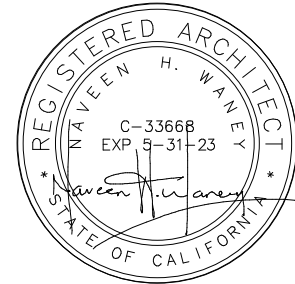
| GENERAL NOTES | |
|---------------|--|
| 1. | ALL EXPOSED SURFACES U.O.N. TO BE PAINTED |
| 2. | EXPOSED CEILING THROUGHOUT THE GALLERY SPACE. PAINT PER ARCHITECTS INSTRUCTIONS |
| 3. | PATCH & REPAIR ALL EXISTING WALLS THAT ARE DAMAGED & PROVIDE LEVEL 4 FINISH AT ALL EXPOSED NEW OR EXISTING GYPBOARD WALLS. |

| LEGEND | |
|-----------|--|
| | EXISTING WALLS TO REMAIN |
| | WALLS |
| | WINDOW TAG |
| | DOOR TAG |
| Room name | |
| | Room name |
| | COR-PAN METAL WALL PANEL OR EQUAL |
| | WALL TYPE SEE A-550 |
| | ALIGN NEW WALL WITH ADJACENT EXISTING WALL |

CASA CASILLAS ARTIST SPACE
50 4TH AVENUE. CHULA VISTA, CA
NEW FLOOR PLAN

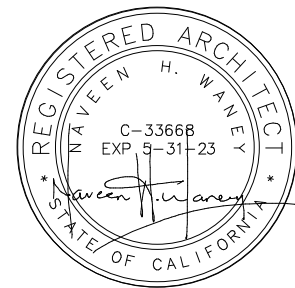
| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|-----------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT | EXPIRATION: |
| DATE COMPLETED: | | | |

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92104



| | | | | |
|---|--|-----------------------|--|-------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: DATE:--- | | DRAWING NO. |
| NAVEEN H. WANEY, AIA Architect of Record | | | | A-100 |

| | | | |
|---------------------|---------------|-----------|-------------|
| CONSTRUCTION RECORD | AS-BUILT | | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT | EXPIRATION: |
| DATE COMPLETED: | | | |



LEGEND

EXISTING WALLS TO REMAIN

WALLS



Room name

xxx

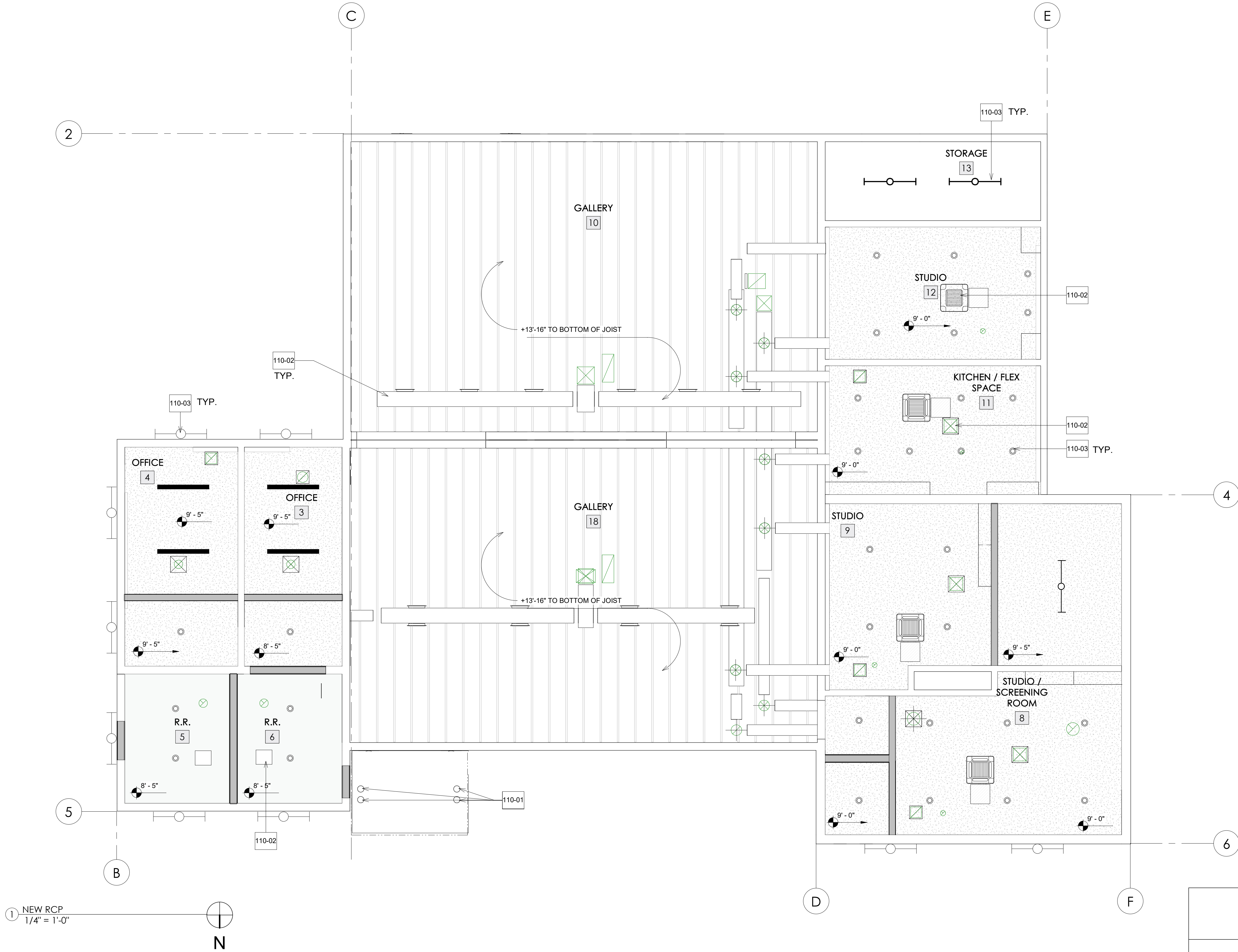
CASA CASILLAS ARTIST SPACE
50 4TH AVENUE. CHULA VISTA, CA
ENLARGED PLAN - RESTROOMS



CITY OF CHULA VISTA
PUBLIC WORKS
1800 MAXWELL ROAD,
CHULA VISTA, CA
WWW.CHULAVISTACA.GOV

| | | | | |
|---|------------------|---|-------------|-------------|
| RESPONSIBLE CHARGE OF WORK: | DATE: 12/23/2022 | APPROVED BY: | DATE: _____ | DRAWING NO. |
|  NAVEEN H. WANEEY, AIA Architect of Record | |  | | A-101 |

| | | | | | | | |
|----|----|----|--------------------------------------|---|--------------------------|--|--|
| 3. | 2. | 1. | REVISION BY / DATE APPD / DATE | REFERENCES DWG. NO.: CCV DWG No. 15024 | DESIGNED BY: MB GT | SCALE HORIZONTAL: 1"=20' VERTICAL: 1"=4' | DATUM HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 VERTICAL: NAVD88 |
| | | | | | | | |



| # | KEYNOTES |
|--------|--------------------------------------|
| 110-01 | EXISTING ENTRANCE CANOPY AND COLUMNS |
| 110-02 | MECHANICAL PER MECHANICAL PLANS |
| 110-03 | LIGHTING PER ELECTRICAL PLANS |

GENERAL NOTES

- SEE ELECTRICAL DRAWINGS FOR LIGHTING INFORMATION E-202
- CEILING AREAS WITHOUT HATCH /POCHE ARE OPEN TO STRUCTURE ABOVE
- CLEAN EXISTING WOOD FRAMING & DECK TO REMAIN. REMOVE ALL UNNECESSARY ATTACHMENT TO FRAME, SCREWS, STAPLES, INSULATION, ETC.

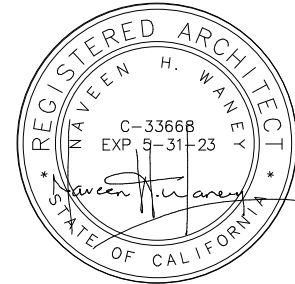
LEGEND

| | |
|-----------|--|
| | STRATA 8-15-20 CONTINUOUSLY PERFORATED GYP.BD. CEILING 12.5MMTHICKNESS CHARCOAL GRAY FABRIC BACKING OR EQUAL. COLOR PER SCHEDULE UNLESS DETAIL OTHERWISE SEE SHEET A-551 |
| | EXISTING JOIST |
| | CABINETS PROJECTION BELOW |
| | EXTERIOR ENTRANCE ROOF CANOPY |
| Room name | |
| | ACCESS HATCH SEE DETAIL 3/ A-500 |
| | ACCESS HATCH SEE DETAIL 3/ A-500 |

CASA CASILLAS ARTIST SPACE
50 4TH AVENUE, CHULA VISTA, CA
NEW RCP

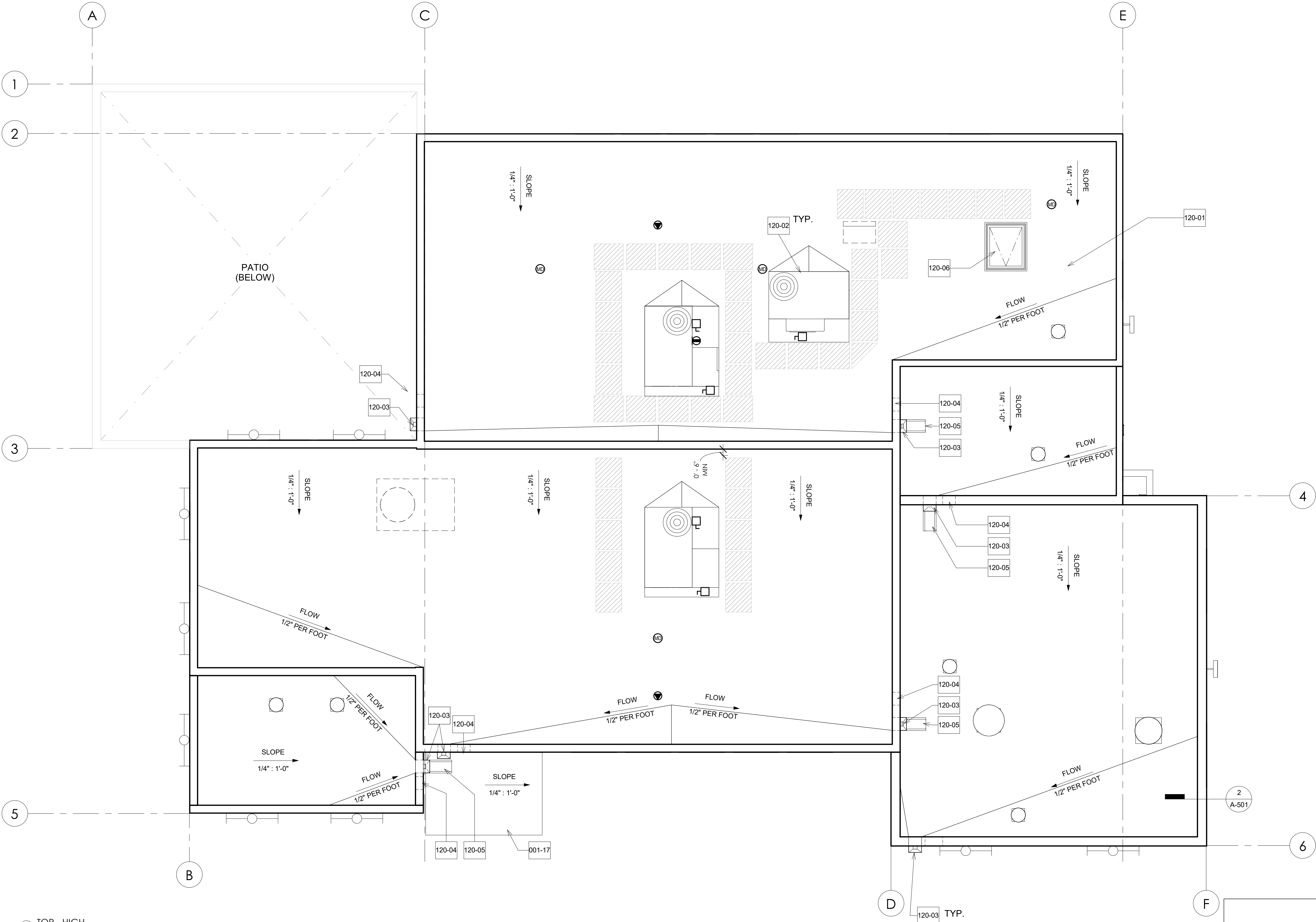
| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|-----------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT | EXPIRATION: |
| DATE COMPLETED: | | | |

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92104



| | | | | | |
|--|--|------------------|--------------|-------------|-----------------------------|
| RESPONSIBLE CHARGE OF WORK: NAVEEN H. WANNEY, AIA Architect of Record | | DATE: 12/23/2022 | APPROVED BY: | DATE: _____ | DRAWING NO. A-110 |
|--|--|------------------|--------------|-------------|-----------------------------|

| | | | | | |
|--------------------|--|----------------------|--|---|--|
| 3. | | 2. | | 1. | |
| MB | | MB | | BY / DATE | |
| DESIGNED BY: | | DESIGNED BY: | | APPD / DATE | |
| SCALE | | REFERENCES DWG. NO.: | | CCV DWG No. 15024 | |
| HORIZONTAL: 1"=20' | | HORIZONTAL: 1"=20' | | VERTICAL: 1"=4' | |
| VERTICAL: 1"=4' | | DATE | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | |
| VERTICAL: NAVD88 | | DATE | | VERTICAL: NAVD88 | |



1 TOR - HIGH
1/4" = 1'-0"

KEYNOTES

| | |
|--------|---|
| 120-01 | COMPLETE REPLACEMENT OF ROOFING SYSTEM, INCLUDING MEMBRANE, FLASHINGS, DRAINS, GUTTERS AND DOWNSPOUTS. PROVIDE 60 MIL PVC SINGLE-PLY MEMBRANE OVER A LAYER OF 1/4" THICK GYPSUM UNDERLAYMENT BOARD OVER 3" POLYISO, TO BE MECHINCALLY ATTACHED TO THE BUILDING PLYWOOD DECK. CLASS A UL-790 |
| 120-02 | MECHANICAL EQUIPMENT PER MECHANICAL PLANS |
| 120-03 | SCUPPER AND DOWNSPOUT SEE DETAIL 3/A-501 & 4/A-500 |
| 120-04 | OVERFLOW SCUPPER |
| 120-06 | ROOF HATCH SEE 1/A-501 |

GENERAL NOTES

- 1.MATCH EXISTING ROOF SLOPE AND DRAINAGE PATTERNS
2. PROVIDE NEW CRICKETS AT NEW EQUIPMENT PADS AND SCUPPERS WITH MIN. 1/4" FLOW TO DRAIN

LEGEND

WALKING PADS

CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA ROOF PLAN



CITY OF CHULA VISTA
PUBLIC WORKS
1800 MARWELL ROAD,
CHULA VISTA, CA
WWW.CHULAVISTACA.GOV

RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022

APPROVED BY:

DATE:---

DRAWING NO.

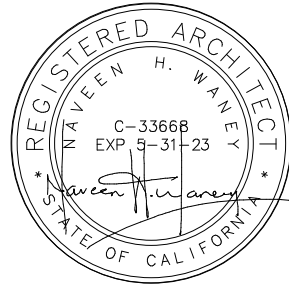
NAVEEN H. WANNEY, AIA
Architect of Record

A-120

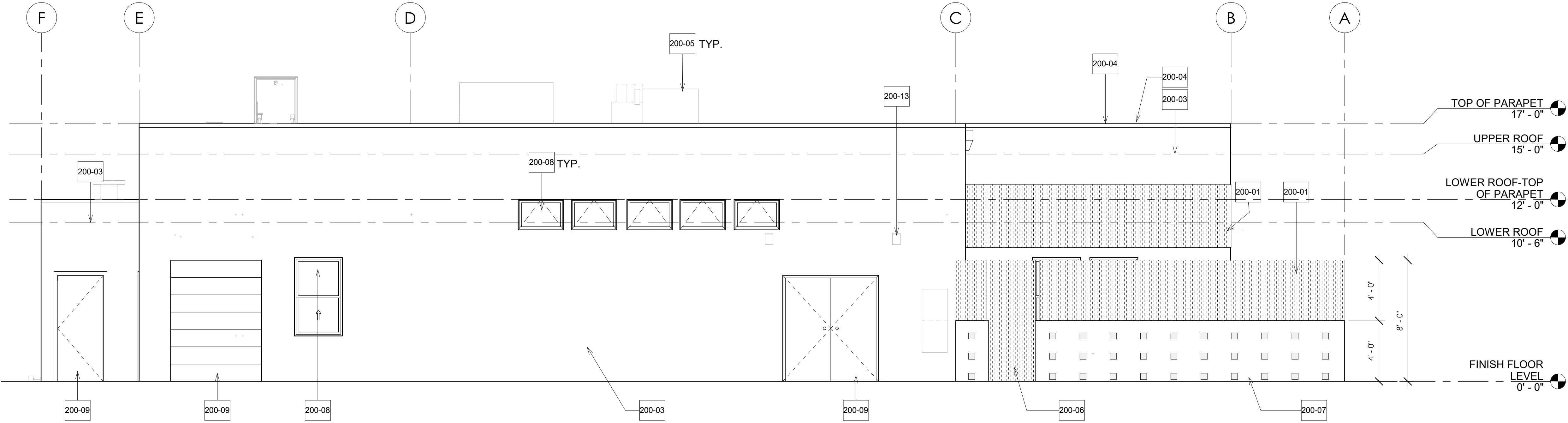
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|---------------------|---------------|-----------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT | EXPIRATION: |
| DATE COMPLETED: | | | |

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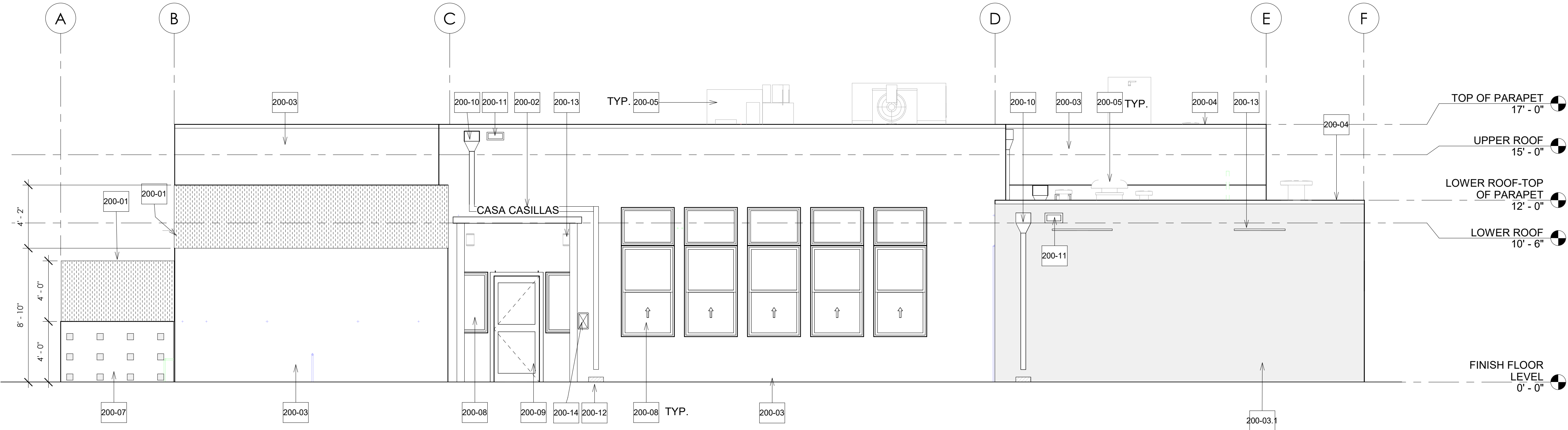
4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104



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|----|--|----|--|----|--|-------------------|--|----------------------|--|----|--|--------------|--|--------------------|--|---|--|
| 3. | | 2. | | 1. | | REVISED BY / DATE | | REFERENCES DWG. NO.: | | MB | | DESIGNED BY: | | SCALE | | DATUM | |
| | | | | | | | | CCV DWG No. 15024 | | MB | | GT | | HORIZONTAL: 1"=20' | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | |
| | | | | | | | | | | | | | | VERTICAL: 1"=4' | | VERTICAL: NAVD88 | |



1 SOUTH ELEVATION
1/4" = 1'-0"



4 NORTH ELEVATION
1/4" = 1'-0"

| # | KEYNOTES |
|----------|---|
| 200-01 | COR-PAN 0.5 PROFILE METAL WALL. PANEL COLOR: SUNSET FLARE OR EQUAL. SEE STRUCTURAL FOR CONNECTION DETAILS. |
| 200-02 | ALUMINUM LETTER SIGNAGE ON STANDOFF RAILS. |
| 200-03 | PORTLAND CEMENT PLASTER SKIM COAT. |
| 200-03.1 | PORTLAND CEMENT PLASTER SKIM COAT. SMOOTH FINISH FOR FUTURE MURAL. |
| 200-04 | COMPLETE REPLACEMENT OF ROOFING SYSTEM, INCLUDING MEMBRANE, FLASHINGS, DRAINS, GUTTERS AND DOWNSPOUTS. PROVIDE 60 MIL PVC SINGLE-PLY MEMBRANE OVER A LAYER OF 1/4" THICK GYPSUM UNDERLAYMENT BOARD OVER 3" POLYISO. TO BE MECHANICALLY ATTACHED TO THE BUILDING PLYWOOD DECK. |
| 200-05 | MECHANICAL EQUIPMENT PER MECHANICAL DRAWINGS, TYP. |
| 200-06 | GATE WITH PERFORATED METAL PANEL. HOLE: 1/4" ROUND. PATTERN: STAGGERED. GAUGE: 16-18 GA. PAINTED (COLOR: TBD) POWDER COATED. |
| 200-07 | STACKED BOND 8X8X16 VERTICAL SCORE CMU WITH 8X8X8 HALF CMU LAID ON ITS SIDE. WALL. |
| 200-08 | WINDOWS PER PLAN, TYP. |
| 200-09 | DOOR PER PLAN, TYP. |
| 200-10 | SCUPPER AND DOWNSPOUT SEE DETAIL 3/A-501. |
| 200-11 | OVERFLOW SCUPPER. |
| 200-12 | SPLASH PAD BLOCK. SEE 5/A-501. |
| 200-13 | LIGHTING PER ELECTRICAL PLANS, TYP. |
| 200-14 | RECESSED KNOX BOX LOCATION; REF. 2/A-552 FOR DETAILS. |

GENERAL NOTES

- ALL EXPOSED SURFACES U.O.N. TO BE PAINTED.
- EXPOSED CEILING THROUGHOUT THE GALLERY SPACE. PAINT PER ARCHITECT'S INSTRUCTIONS.
- PATCH & REPAIR ALL EXISTING WALLS THAT ARE DAMAGED & PROVIDE LEVEL 4 FINISH AT ALL EXPOSED NEW OR EXISTING GYPBOARD WALLS.

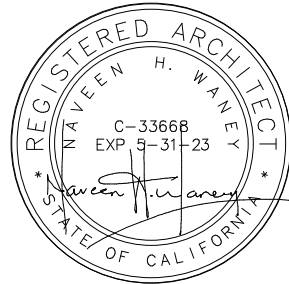
LEGEND


| | |
|--|-------------------------------------|
| | SMOOTH WALL FINISH FOR FUTURE MURAL |
| | PERFORATED CORRUGATED METAL PANELS |

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|-----------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT | EXPIRATION: |
| DATE COMPLETED: | | | |

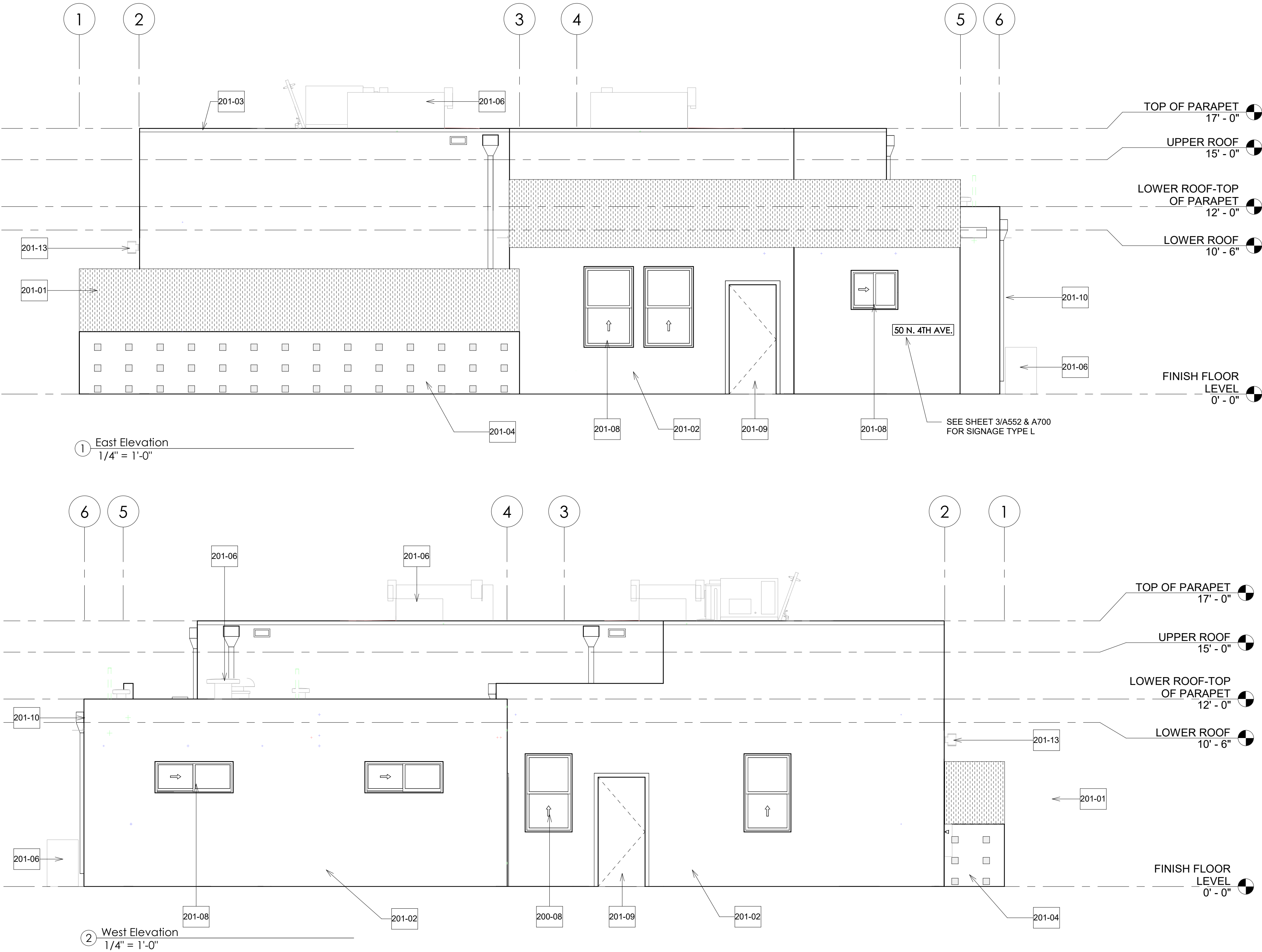
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92104



| | | | |
|--|--|---|--|
| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA EXTERIOR BUILDING ELEVATIONS | | | |
| | |  CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTACA.GOV | CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTACA.GOV |
| RESPONSIBLE CHARGE OF WORK: | | DATE:12/23/2022 | APPROVED BY: |
| NAVEEN H. WANNEY, AIA Architect of Record | | | DATE:--- |
| | | | DRAWING NO. A-200 |

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|----|--|----|--|-------------|--|----------------------|--|----|--|--------------------|--|---|--|
| 3. | | 2. | | 1. | | REFERENCES DWG. NO.: | | MB | | SCALE | | DATUM | |
| | | | | REVISION | | CCV DWG No. 15024 | | MB | | HORIZONTAL: 1"=20' | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | |
| | | | | BY / DATE | | | | GT | | VERTICAL: 1"=4' | | VERTICAL: NAVD88 | |
| | | | | APPD / DATE | | | | | | | | | |
| | | | | | | | | | | | | | |



| # | KEYNOTES |
|--------|--|
| 200-08 | WINDOWS PER PLAN, TYP. |
| 201-01 | COR-PAN 0.5 PROFILE METAL WALL PANEL.COLOR:SUNSET FLARE OR EQUAL SEE 7/S-503 FOR CONNECTION DETAILS |
| 201-02 | PORTLAND CEMENT PLASTER SKIM COAT |
| 201-03 | COMPLETE REPLACEMENT OF ROOFING SYSTEM, INCLUDING MEMBRANE, FLASHINGS, DRAINS, GUTTERS AND DOWNSPOUTS.PROVIDE 60 MIL PVC SINGLE-PLY MEMBRANE OVER A LAYER OF 1/4" THICK GYPSUM UNDERLAYMENT BOARD TO BE MECHANICALLY ATTACHED TO THE BUILDING PLYWOOD DECK |
| 201-04 | STACKED BOND 8X8X16 VERTICAL SCORE CMU WITH 8X8X8 HALF CMU LAID ON ITS SIDE WALL |
| 201-06 | MECHANICAL EQUIPMENT PER MECHANICAL DRAWINGS, TYP. |
| 201-08 | WINDOWS PER PLAN, TYP. |
| 201-09 | DOOR PER PLAN, TYP. |
| 201-10 | SCUPPER AND DOWNSPOUT |
| 201-13 | LIGHTING PER ELECTRICAL PLANS, TYP. |

| GENERAL NOTES | |
|---------------|--|
| 1. | ALL EXPOSED SURFACES U.O.N. TO BE PAINTED |
| 2. | EXPOSED CEILING THROUGHOUT THE GALLERY SPACE. PAINT PER ARCHITECTS INSTRUCTIONS |
| 3. | PATCH & REPAIR ALL EXISTING WALLS THAT ARE DAMAGED & PROVIDE LEVEL 4 FINISH AT ALL EXPOSED NEW OR EXISTING GYPBOARD WALLS. |

| LEGEND | |
|--------|-------------------------------------|
| | SMOOTH WALL FINISH FOR FUTURE MURAL |
| | PERFORATED CORRUGATED METAL PANELS |

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|-----------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT | EXPIRATION: |
| DATE COMPLETED: | | | |

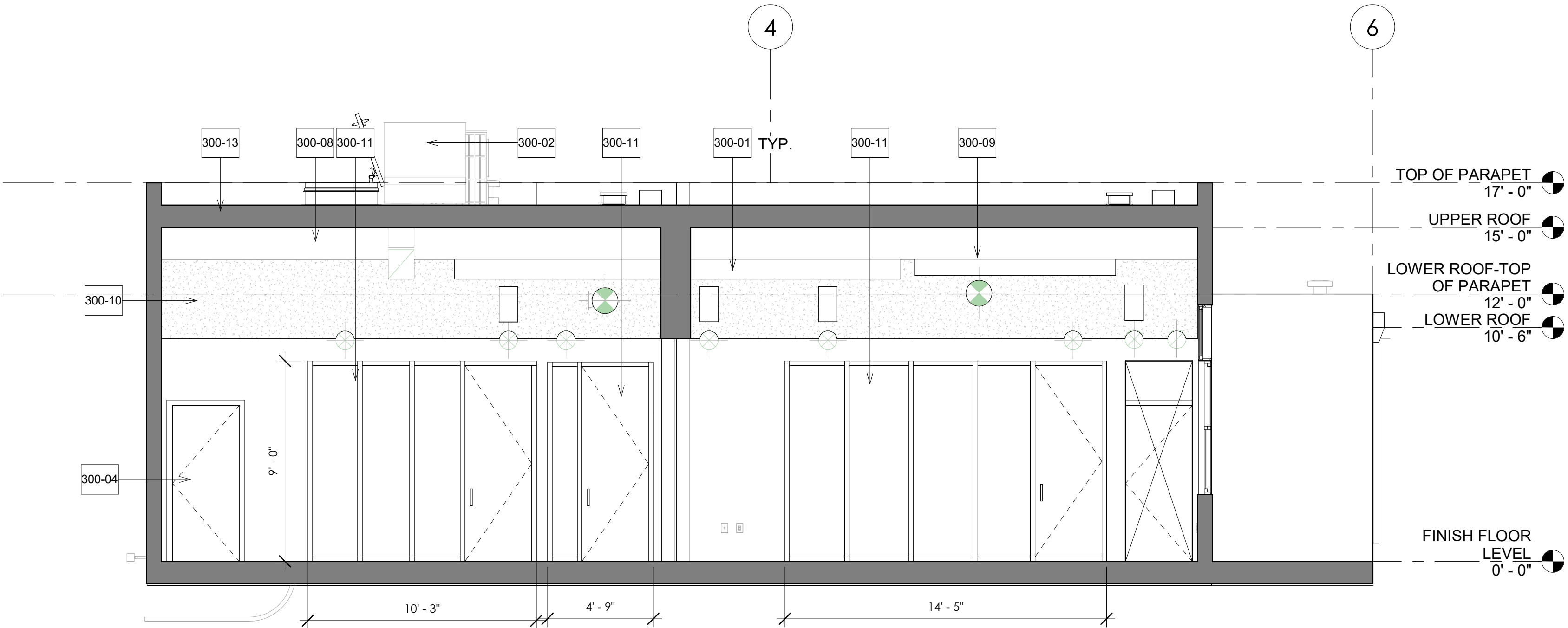
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92104

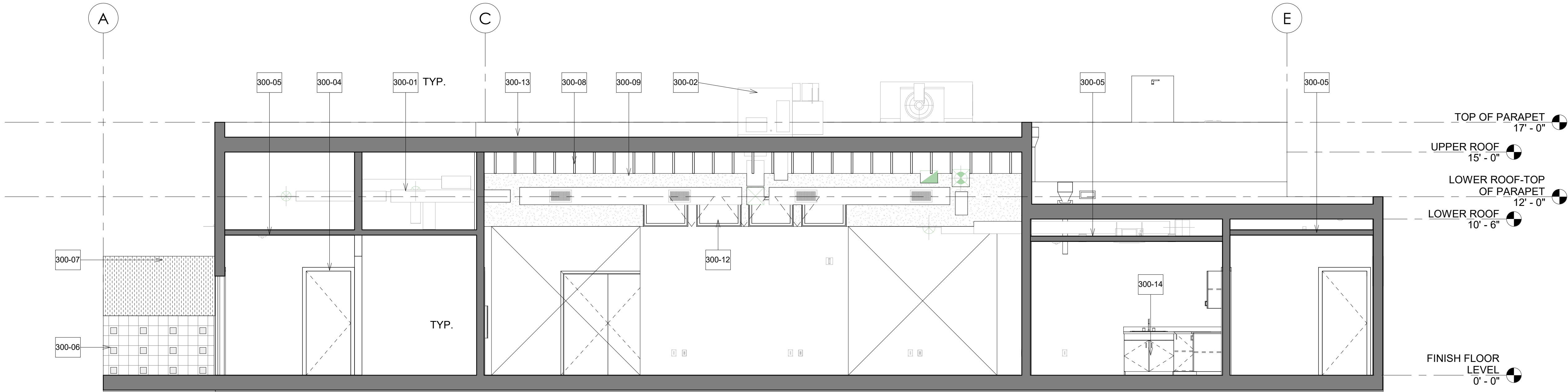


| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA EXTERIOR BUILDING ELEVATIONS | | | |
|--|--|-----------------|--------------|
| RESPONSIBLE CHARGE OF WORK: | | DATE:12/23/2022 | APPROVED BY: |
| NAVEEN H. WANNEY, AIA Architect of Record | | DATE:---- | DRAWING NO. |
| | | | A-201 |

| | | | | | | | | | | | | | | | |
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| 3. | | 2. | | 1. | | REVISED DWG. NO.: | | MB | | DESIGNED BY: | | SCALE | | DATUM | |
| | | | | BY / DATE | | CCV DWG No. 15024 | | MB | | MB | | HORIZONTAL: 1"=20' | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | |
| | | | | APPD / DATE | | | | GT | | DESIGNED BY: | | VERTICAL: 1"=4' | | VERTICAL: NAVD88 | |



1 BUILDING SECTION - SOUTH/NORTH
1/4" = 1'-0"



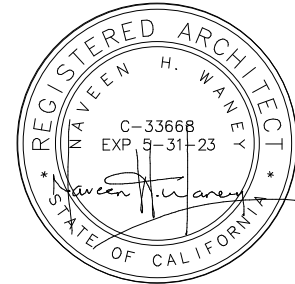
2 BUILDING SECTION - EAST/WEST
1/4" = 1'-0"

| # | KEYNOTES |
|----------------------|--|
| IMPROVEMENT KEYNOTES | |
| 300-01 | MECHANICAL DUCTWORK. SEE MECHANICAL M-201 FOR ADDITIONAL INFOMRATION, TYP. |
| 300-02 | HVAC EQUIPMENT. SEE MECHANICAL M-202 FOR ADDITIONAL INFORMATION, TYP. |
| 300-04 | DOOR, FRAME, AND HARDWARE, TYP. |
| 300-05 | GYPSUM BOARD HARD LID CEILING |
| 300-06 | STACKED BOND 8X8X16 VERTICAL SCORE CMU WITH 8X8X8 HALF CMU LAID ON ITS SIDE WALL |
| 300-07 | COR-PAN 0.5 PROFILE METAL WALL PANEL.COLOR:SUNSET FLARE OR EQUAL SEE STRUCTURAL FOR CONECTION DETAILS |
| 300-08 | EXISTING ROOF JOISTS TO REMAIN |
| 300-09 | EXPOSED CEILING THROUGHOUT THE GALLERY SPACE. PAINT PER ARCHITECTS INSTRUCTIONS |
| 300-10 | KINREI ECHOPANEL WAVE 12MM. THICK RECYCLED PANELS OR EQUAL. COLOR:454 MUSHROOM |
| 300-11 | INTERIOR ALUMINIUM ANODIZED BLACK FRAME STOREFRONT WALL. |
| 300-12 | WINDOWS AND FRAMES. TYP. SEE SHEET A-601 WINDOW SCHEDULE |
| 300-13 | COMPLETE REPLACEMENT OF ROOFING SYSTEM, INCLUDING MEMBRANE, FLASHINGS, DRAINS, GUTTERS AND DOWNSPOUTS.PROVIDE 60 MIL PVC SINGLE-PLY MEMBRANE OVER A LAYER OF 1/4" THICK GYPSUM UNDERLAYMENT BOARD OVER 3" POLYISO, TO BE MECHINCALLY ATTACHED TO THE BUILDING PLYWOOD DECK |
| 300-14 | CABINETS PER PLANS AND ELEVATIONS |

| | | | |
|---------------------|---------------|-----------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT | EXPIRATION: |
| DATE COMPLETED: | | | |

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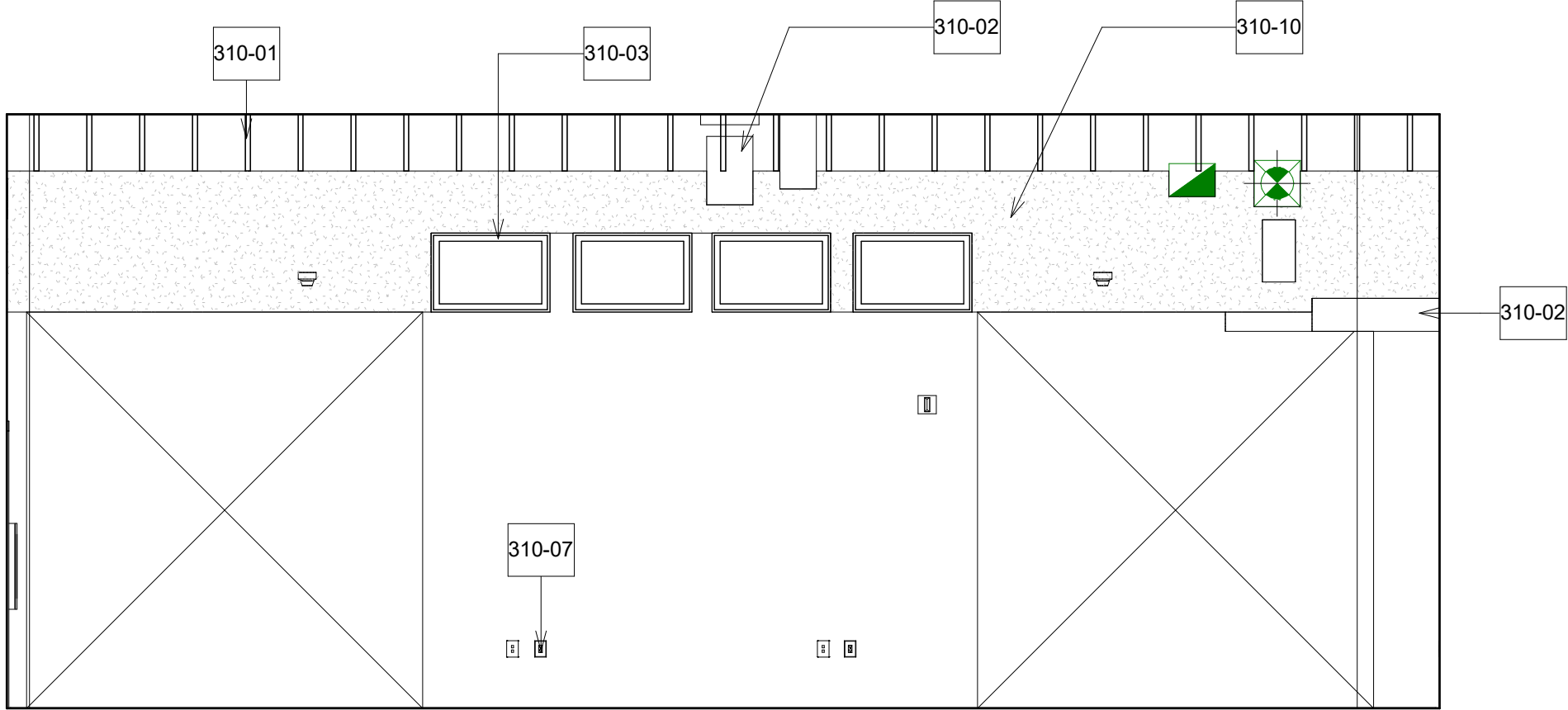


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| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA BUILDING SECTIONS | | | |
| RESPONSIBLE CHARGE OF WORK: | | DATE:12/23/2022 | APPROVED BY: |
| NAVEEN H. WANNEY, AIA Architect of Record | | DATE:---- | DRAWING NO. |
| | | | A-300 |

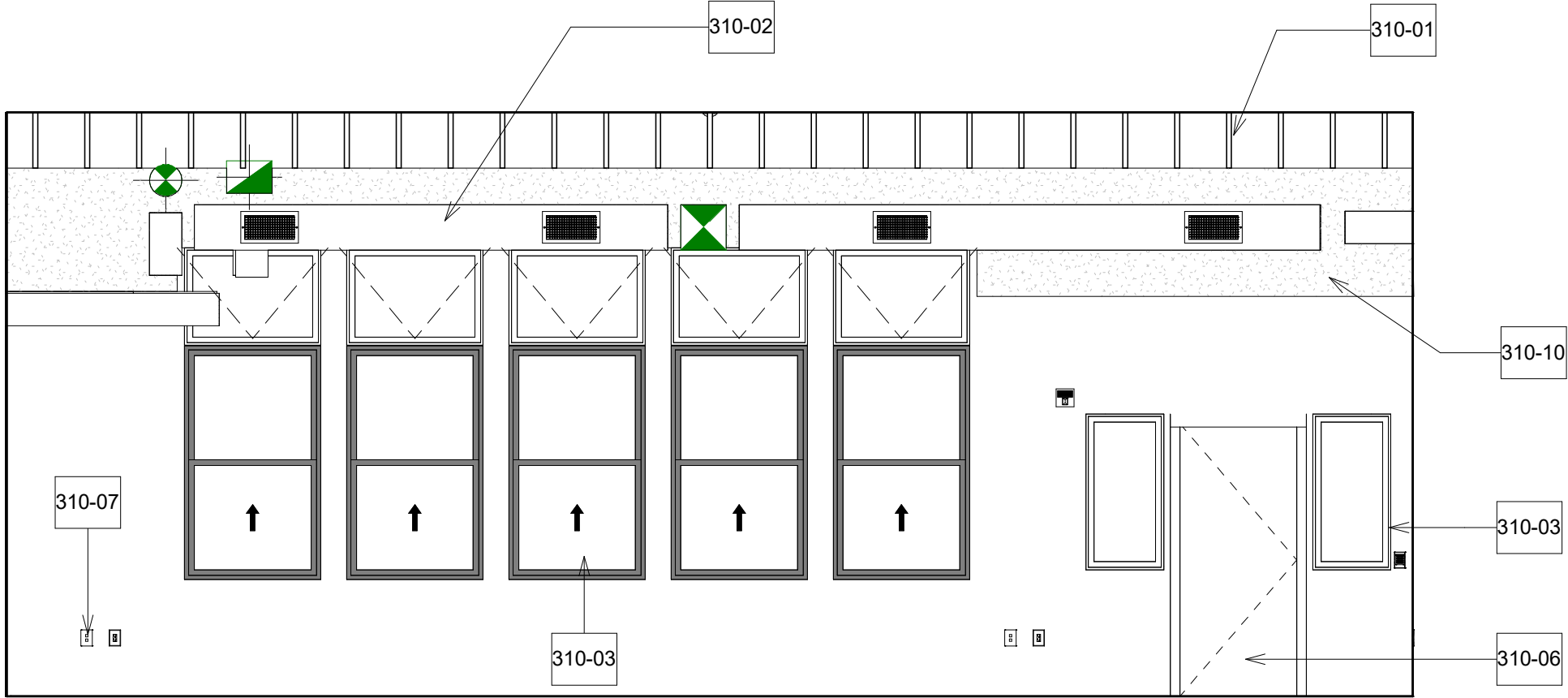


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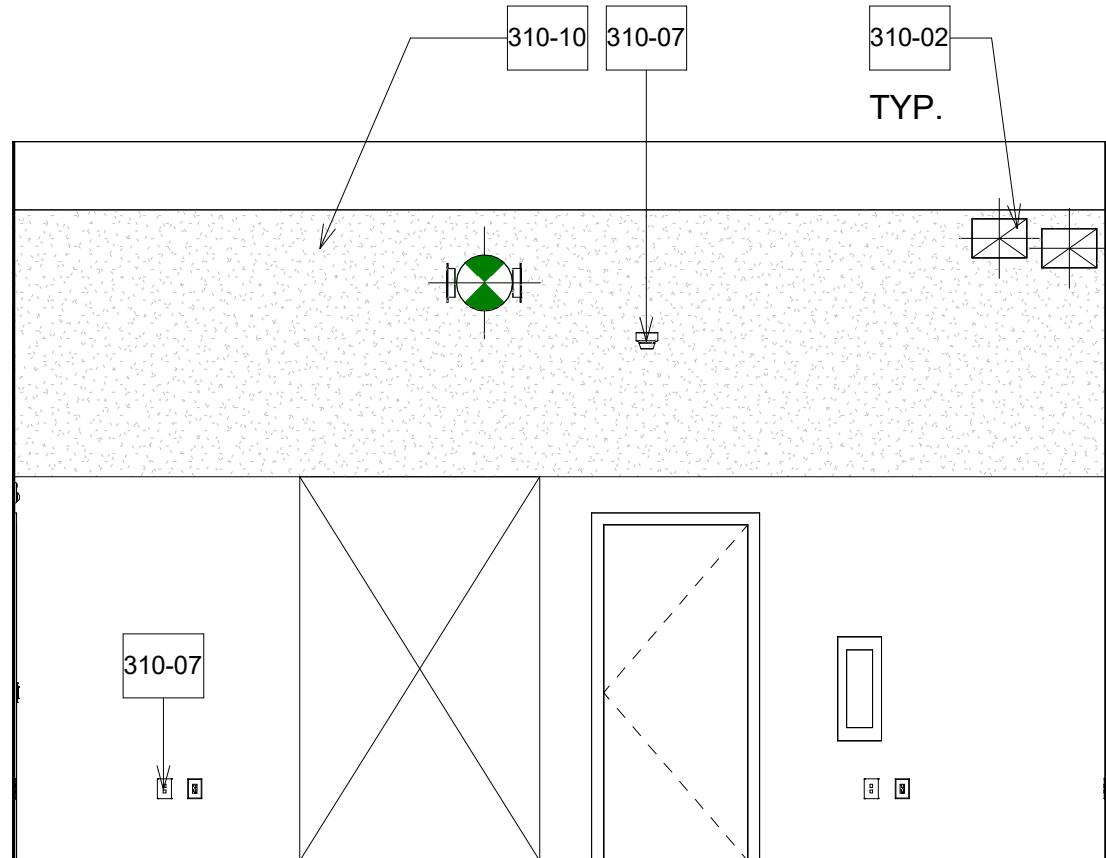
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| | | | | | | | |



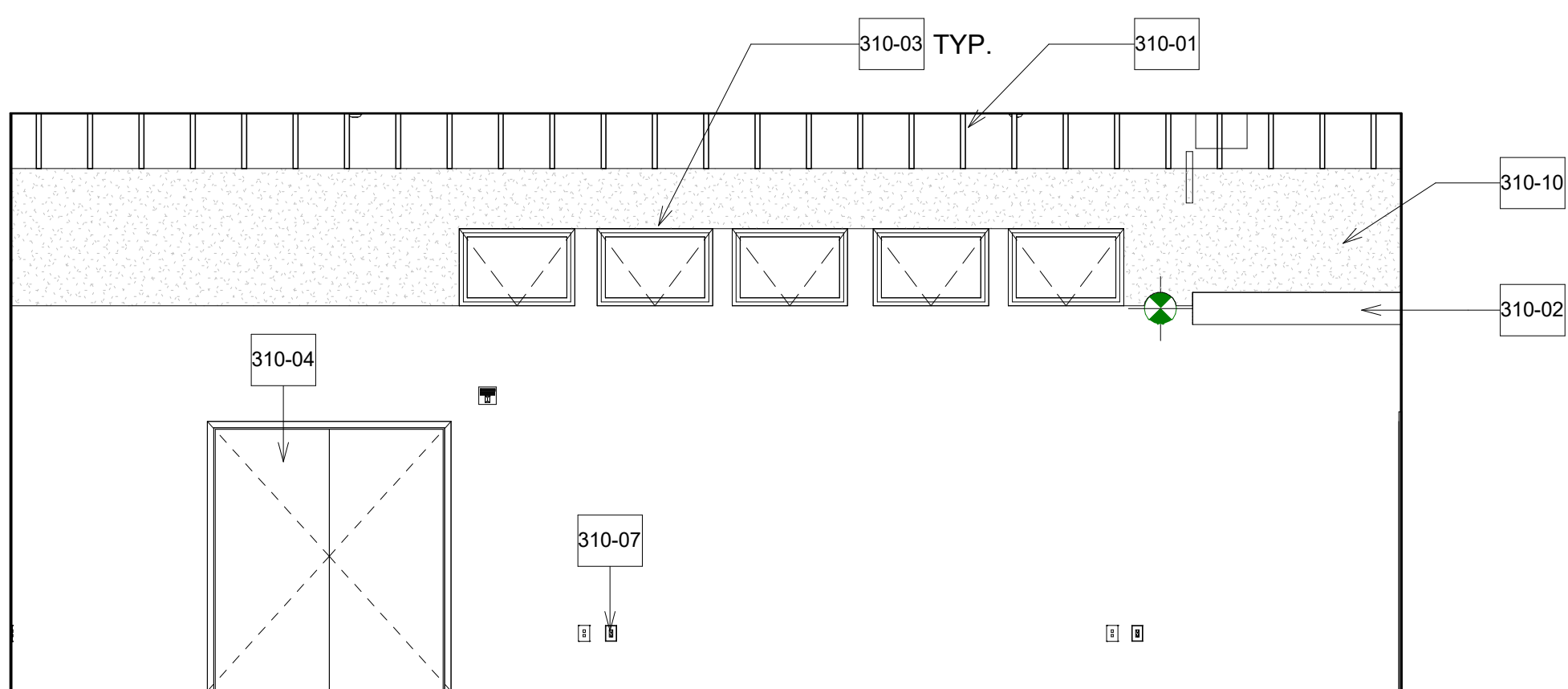
1 INT. ELEVATION- A
1/4" = 1'-0"



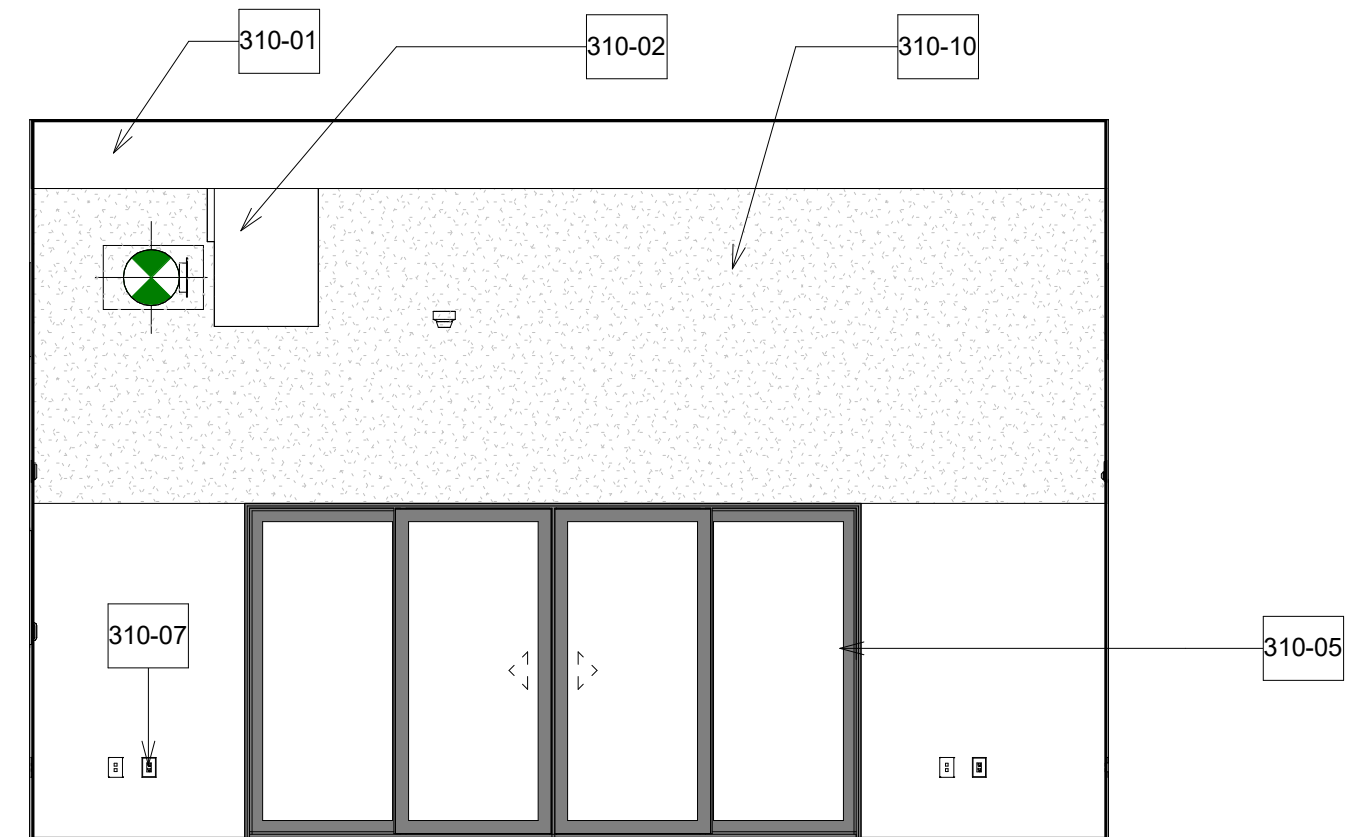
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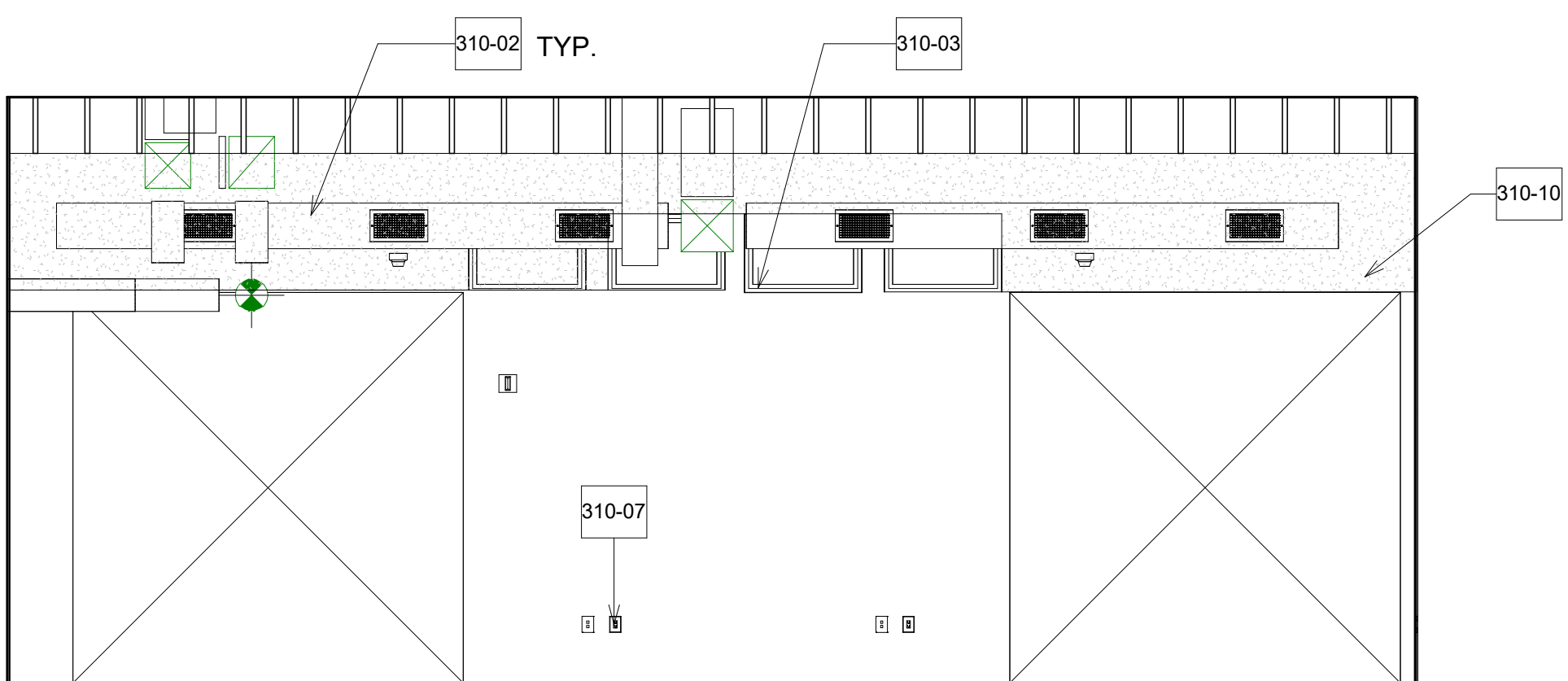
3 INT. ELEVATION- C
1/4" = 1'-0"



4 INT. ELEVATION- GALLERY A
1/4" = 1'-0"



5 INT. ELEVATION- GALLERY B
1/4" = 1'-0"



6 INT. ELEVATION- GALLERY C
1/4" = 1'-0"

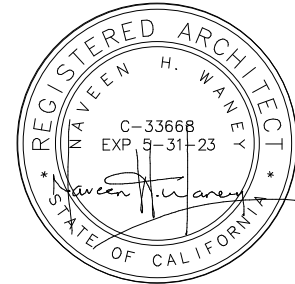
| # | KEYNOTES |
|--------|---|
| 310-01 | EXISTING ROOF JOISTS TO REMAIN |
| 310-02 | MECHANICAL DUCTWORK. SEE MECHANICAL M-201 FOR ADDITIONAL INFOMRATION, TYP. |
| 310-03 | WINDOWS AND FRAMES. TYP. SEE SHEET A-601 WINDOW SCHEDULE |
| 310-04 | ALUM. STOREFRONT DOUBLE SLIDING DOORS PER SCHEDULE SHEET A-601 |
| 310-05 | ACORDION DOORS PER SCHEUDLE, TYP. |
| 310-06 | DOOR, FRAME, AND HARDWARE, TYP. |
| 310-07 | ELECTRICAL EQUIPMENT/FIXTURES. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION, TYP. |
| 310-10 | KINREI ECHOPANEL WAVE 12MM. THICK RECYCLED PANELS OR EQUAL. COLOR:454 MUSHROOM |

GENERAL NOTES

1. ALL EXPOSED SURFACES U.O.N. TO BE PAINTED
2. EXPOSED CEILING THROUGHOUT THE GALLERY SPACE. PAINT PER ARCHITECTS INSTRUCTIONS
3. PATCH & REPAIR ALL EXISTING WALLS THAT ARE DAMAGED & PROVIDE LEVEL 4 FINISH AT ALL EXPOSED NEW OR EXISTING GYPBOARD WALLS.

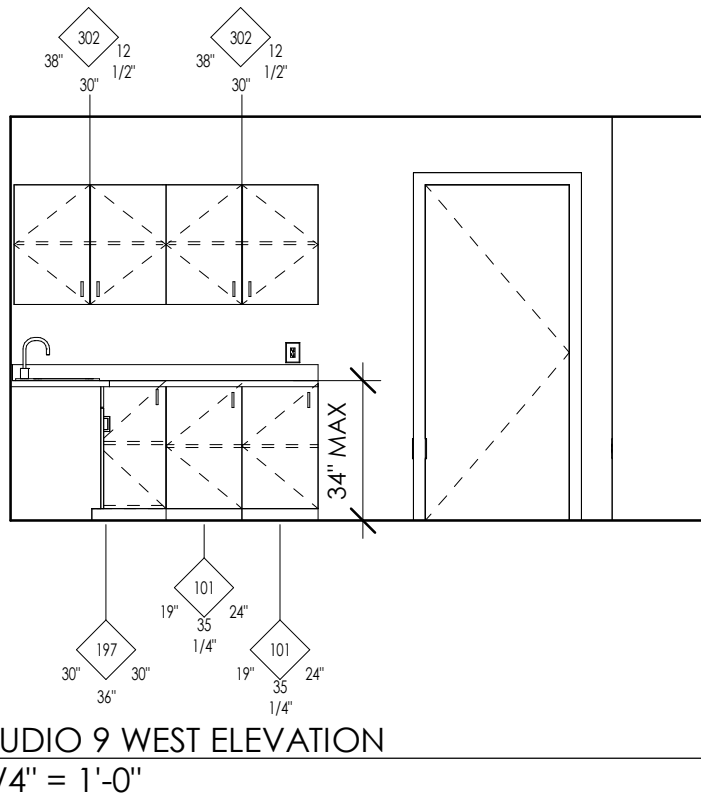
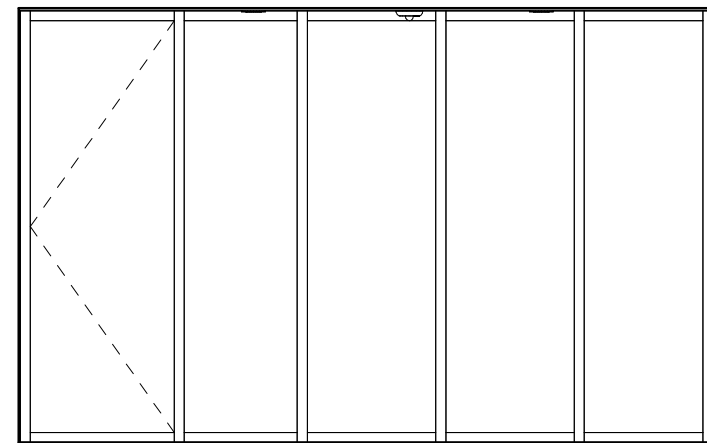
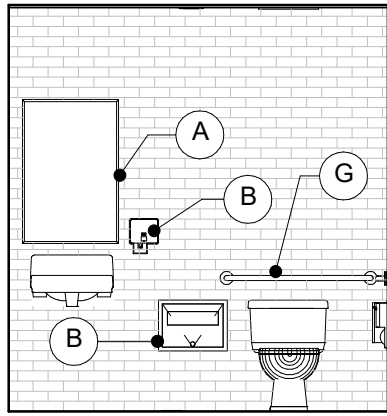
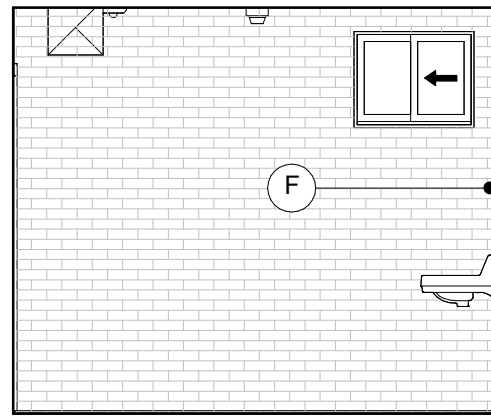
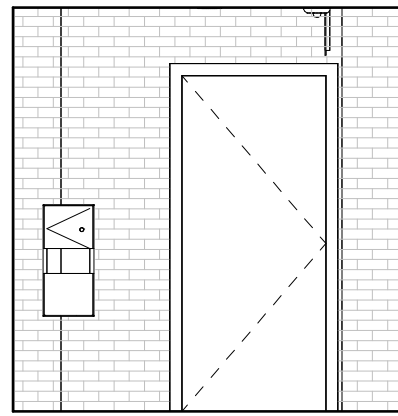
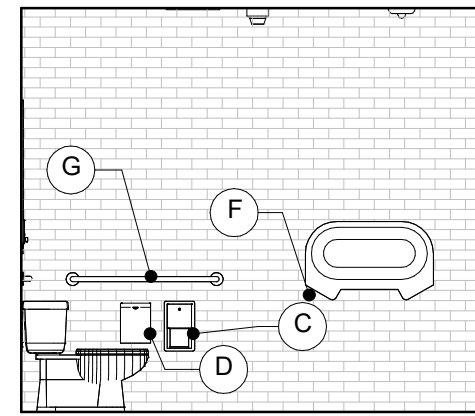
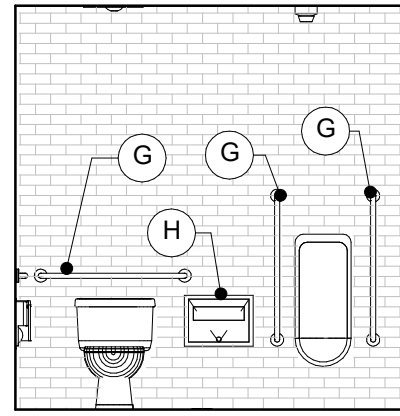
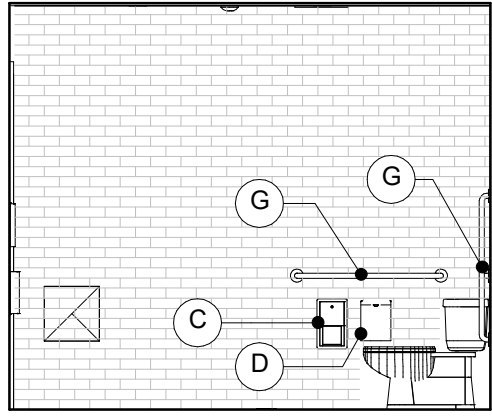
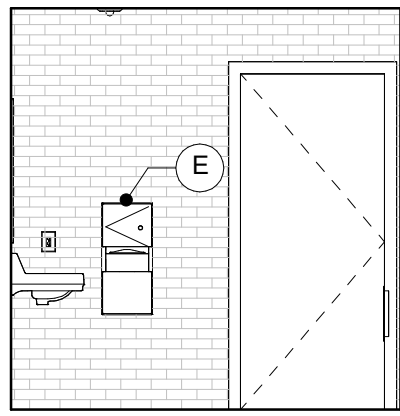
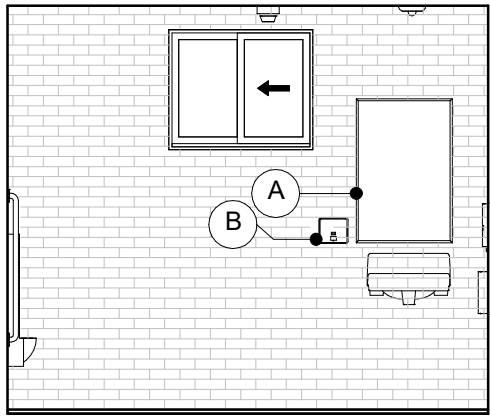
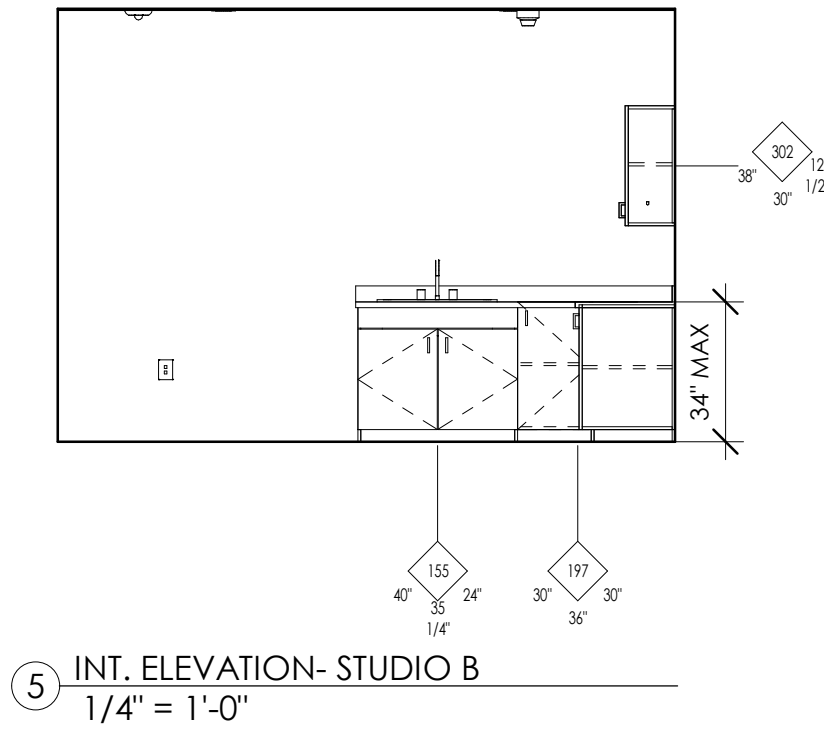
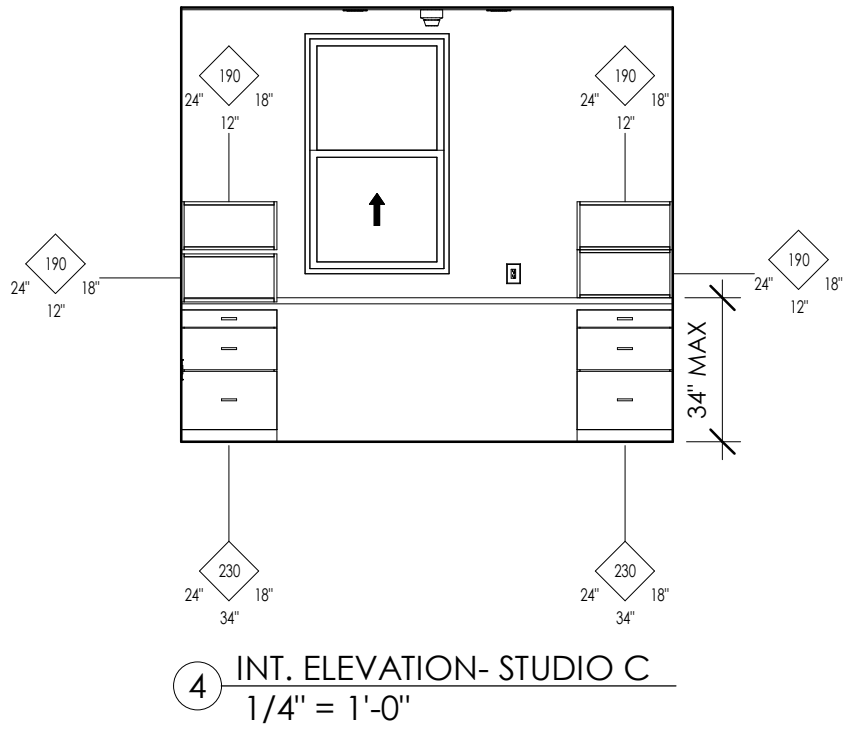
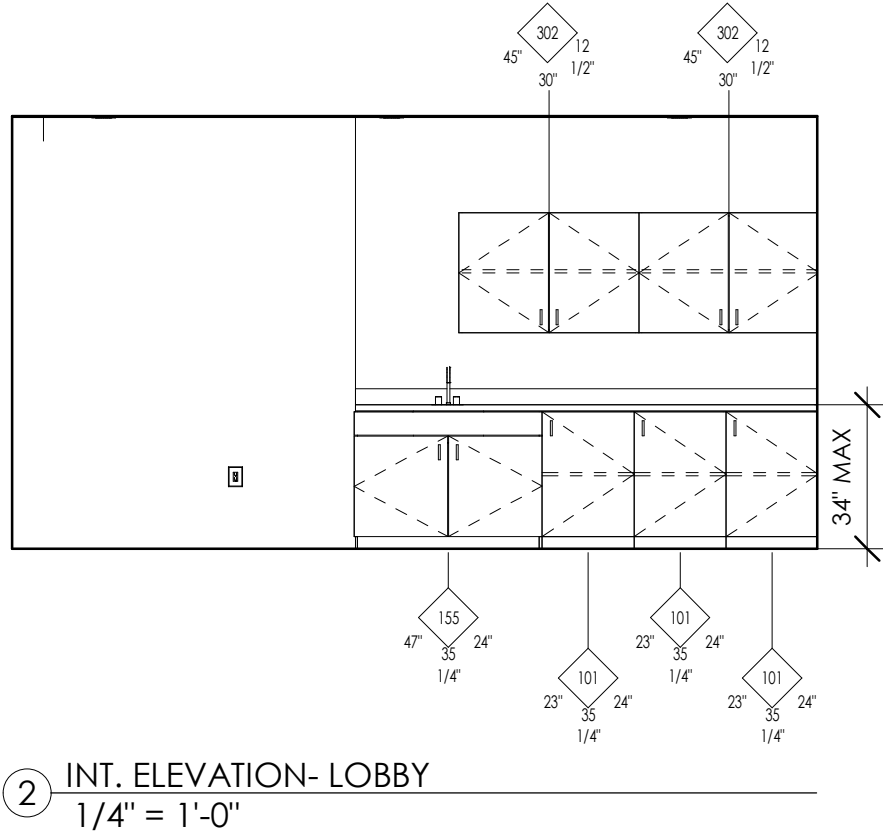
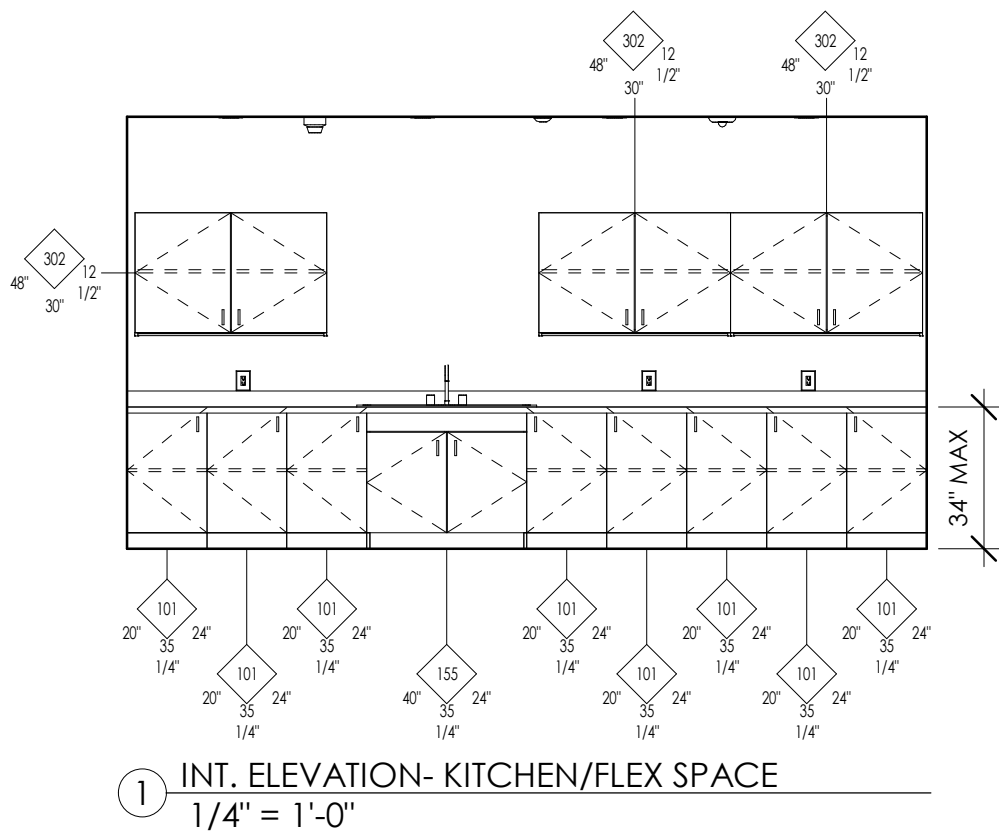
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| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA INTERIOR ELEVATIONS | | | |
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| NAVEEN H. WANNEY, AIA Architect of Record | | DATE: --- | DRAWING NO. |
| | | | A-310 |

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|----------------------|----|----|---|-------------|
| 3. | 2. | 1. | REVISION | |
| | | | BY / DATE | APPD / DATE |
| REFERENCES DWG. NO.: | | | MB | MB |
| | | | COV DWG No. 15024 | GT |
| DESIGNED BY: | | | DESIGNED BY: | |
| | | | | |
| SCALE | | | HORIZONTAL: 1"=20' | |
| | | | VERTICAL: 1"=4' | |
| DATUM | | | HORIZONTAL: CCS '93 ZONE 6, EPOCH 1991.35 | |
| | | | VERTICAL: NAVD88 | |



KEYNOTES

NOT USED

ACCESSORIES

- A 18"X36" SHEET METAL MIRROR
- B SURFACE MOUNTED LIQUID -SOAP DISPENSER
- C SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER
- D SURFACE MOUNTED SANITARY DISPOSAL
- E RECESSED PAPER TOWEL DISPENSER & WASTE RECEPTOR
- F DIAPER CHANGE STATION KOALA CARE
- G 1 1/2" DIA. ACCESSIBLE GRAB BARS. SEE 4/G-004 FOR SINGLE TOILET ROOMS.
- H SURFACE MOUNTED SEAT COVER DISPENSER

LEGEND

- NEW CERAMIC TILE; SEE A601 FOR FINISH SCHEDULE
- CASE WORK TAG; SEE CABINET DETAILS 1&2/A556

GENERAL NOTES

1.SEE CABINET DETAILS 1&2 ON SHEET A556 FOR COMPLIANCE WITH CBC CHAPTER 11B REQUIREMENTS.

CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA INTERIOR ELEVATIONS



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APPROVED BY:

DATE:---

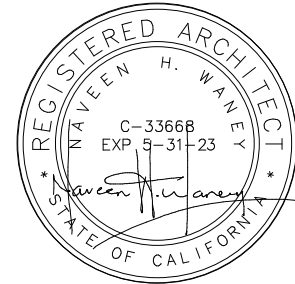
DRAWING NO.

NAVEEN H. WANNEY, AIA
Architect of Record

A-311

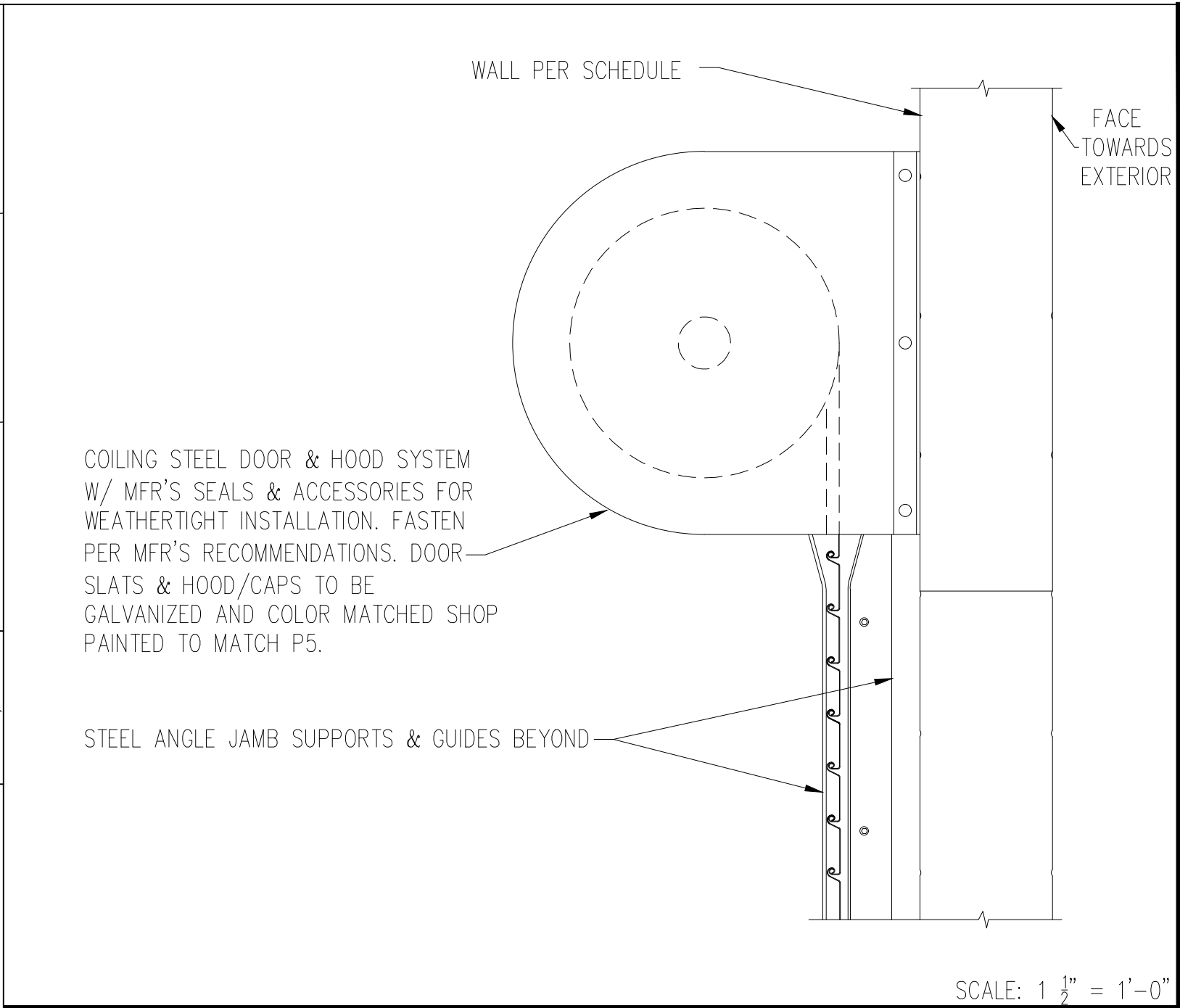
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| DATE COMPLETED: | | | |

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| 3. | REVISION BY / DATE APPD / DATE | REFERENCES DWG. NO.: CCV DWG No.15024 | DESIGNED BY: DRAWN BY: CHECKED BY: | SCALE HORIZONTAL: --- VERTICAL: --- | DATUM HORIZONTAL: --- VERTICAL: --- |
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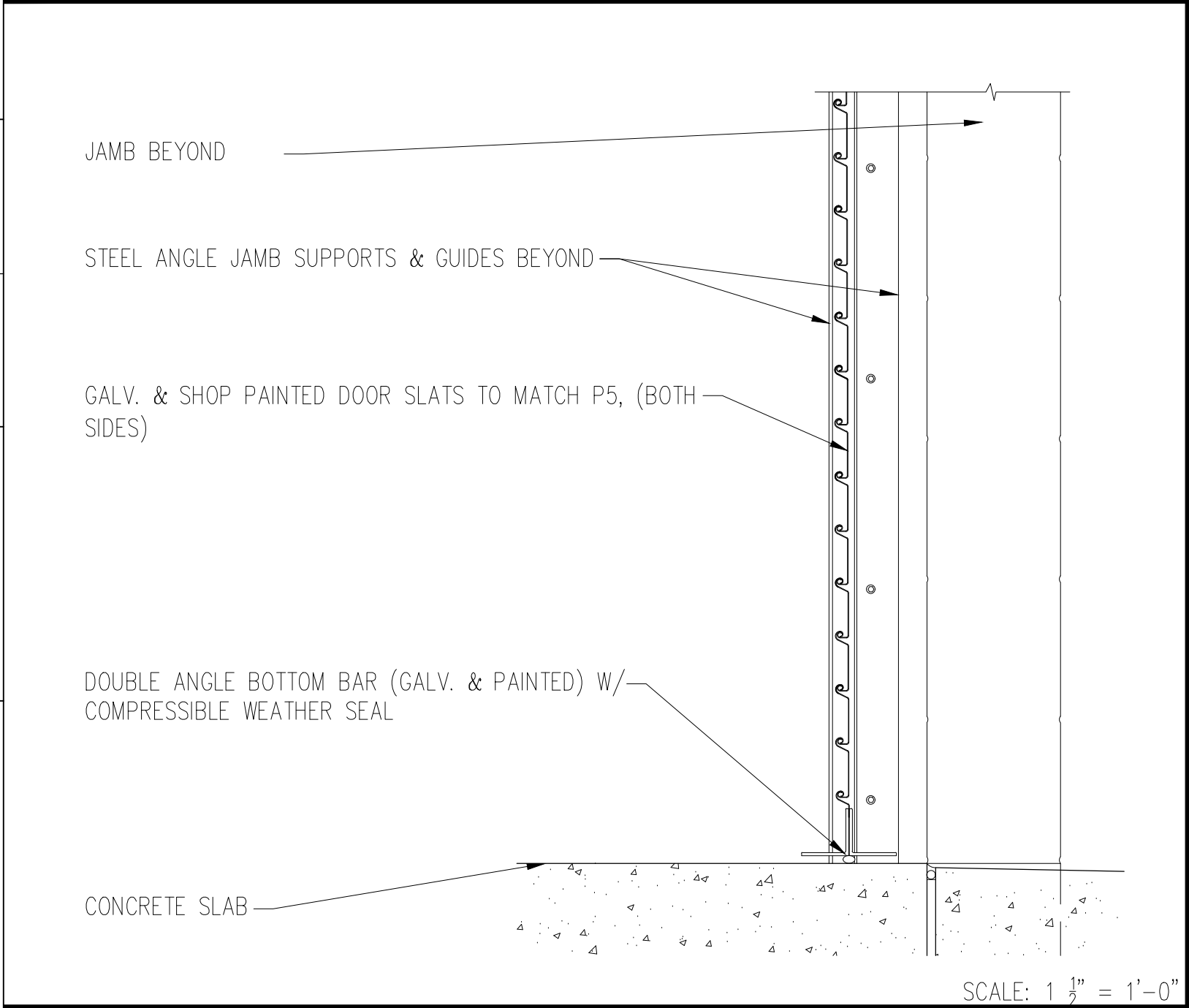


OH COILING DOOR HEAD

1

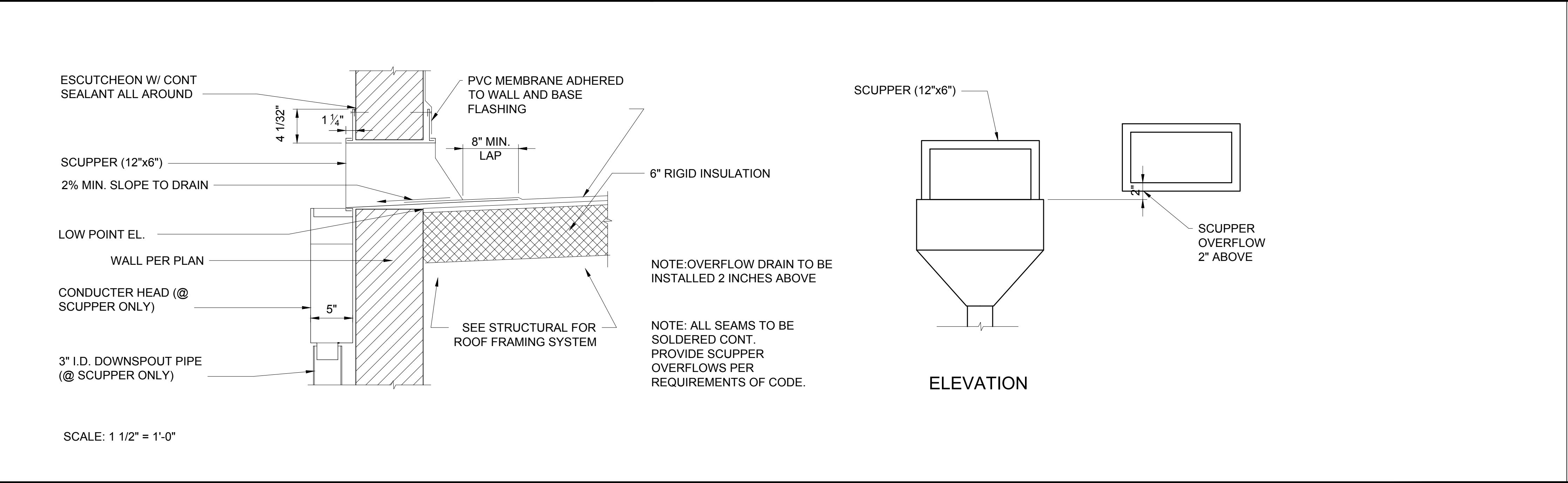
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5



OH COILING DOOR SILL

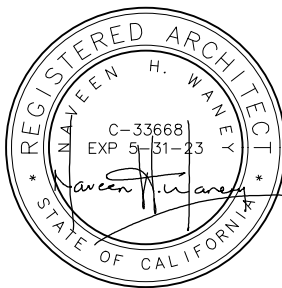
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SCUPPER CONDUCTOR HEAD SECTION AND SCUPPER OVERFLOW ELEVATION

4

| CONSTRUCTION RECORD | | AS-BUILT | |
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| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT.: | EXPIRATION: |
| DATE COMPLETED: | | | |

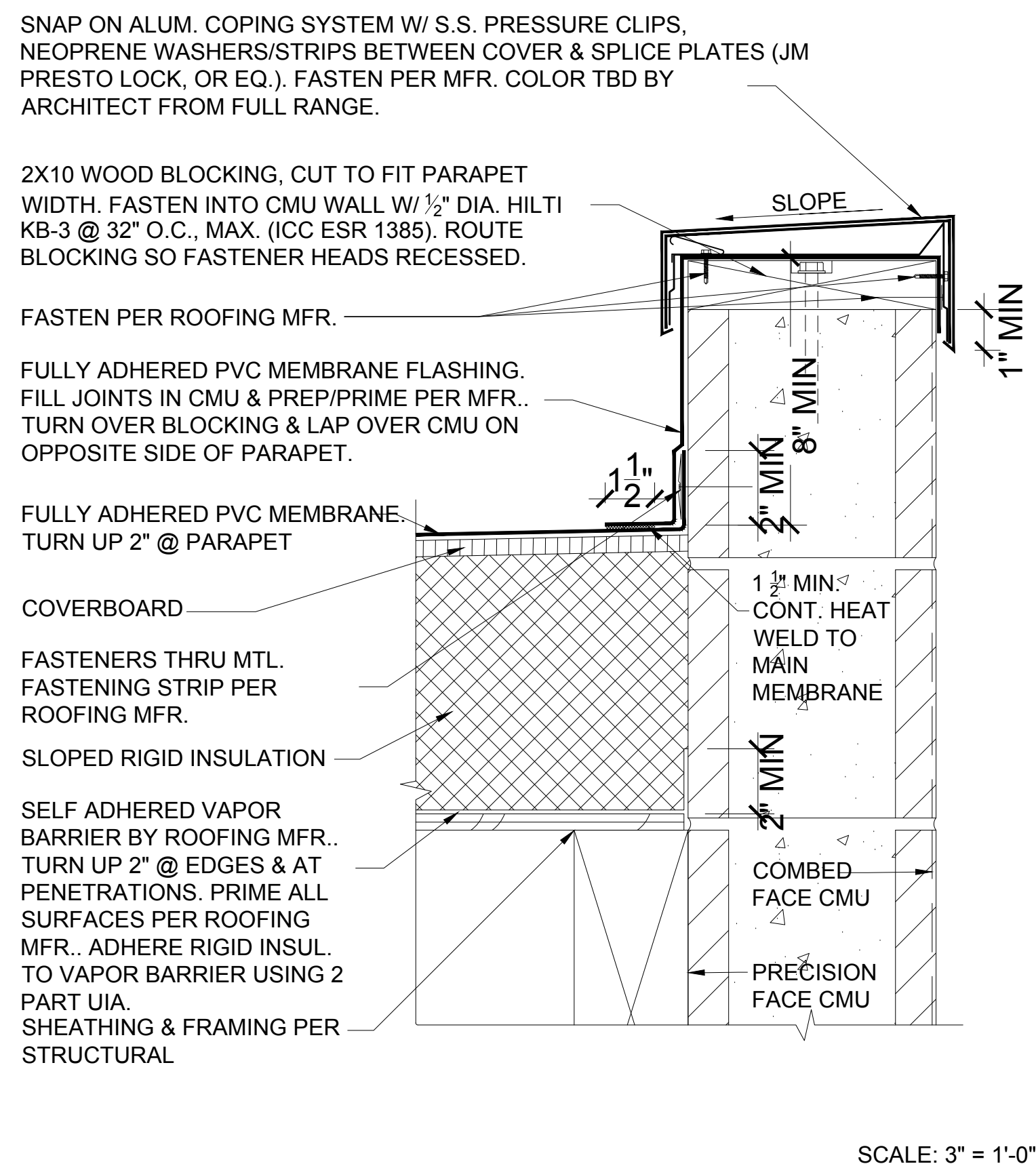
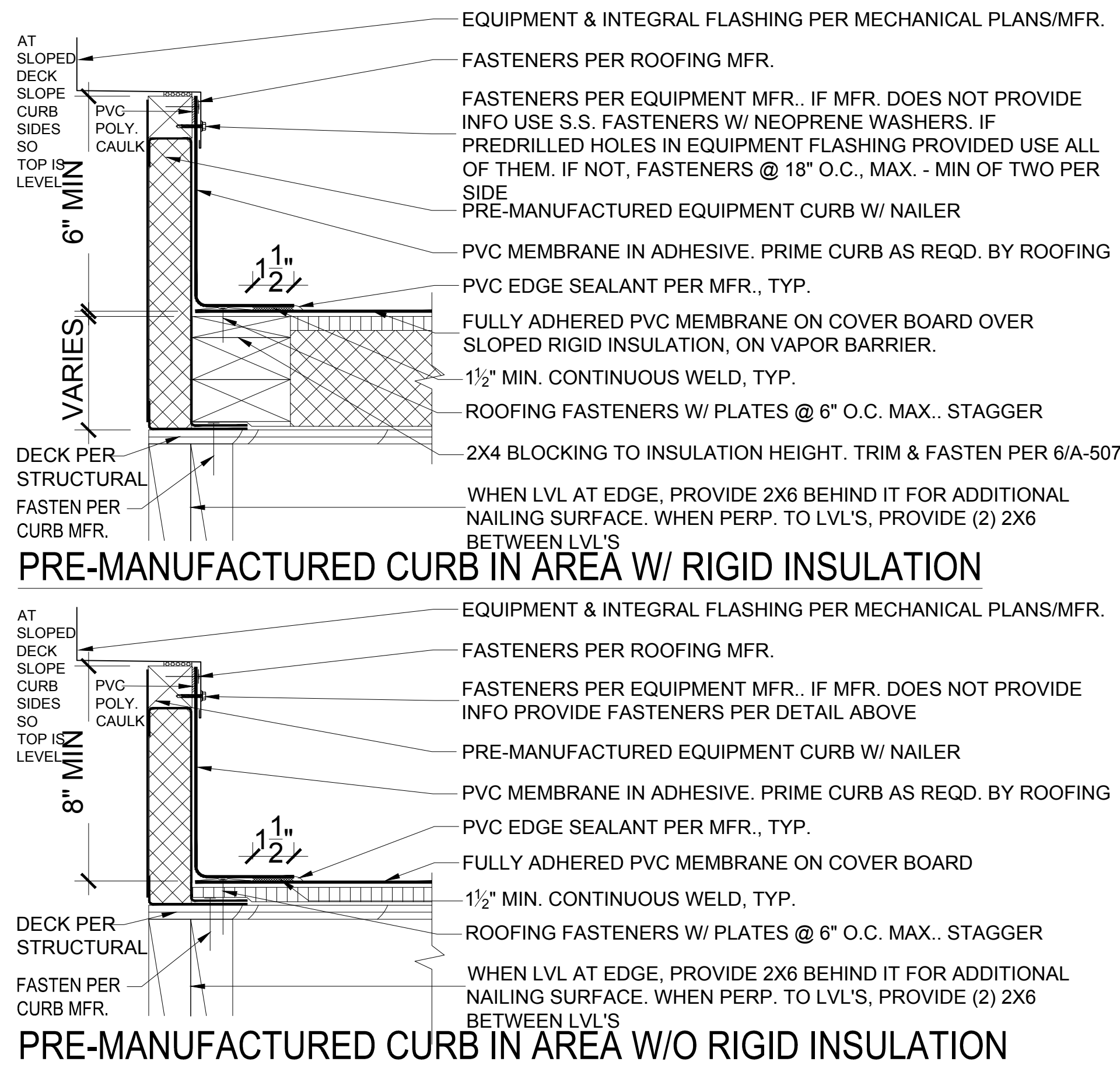
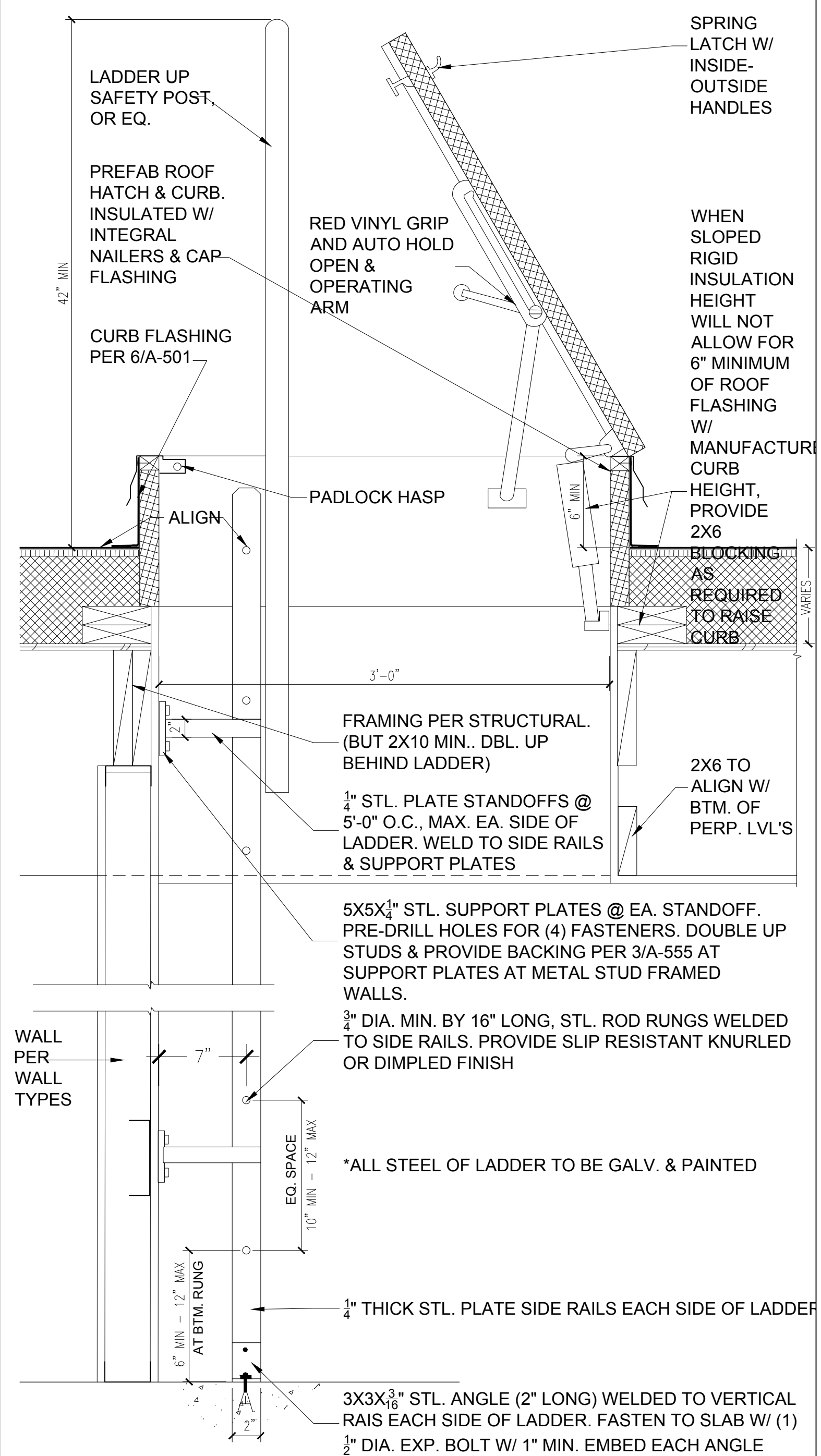
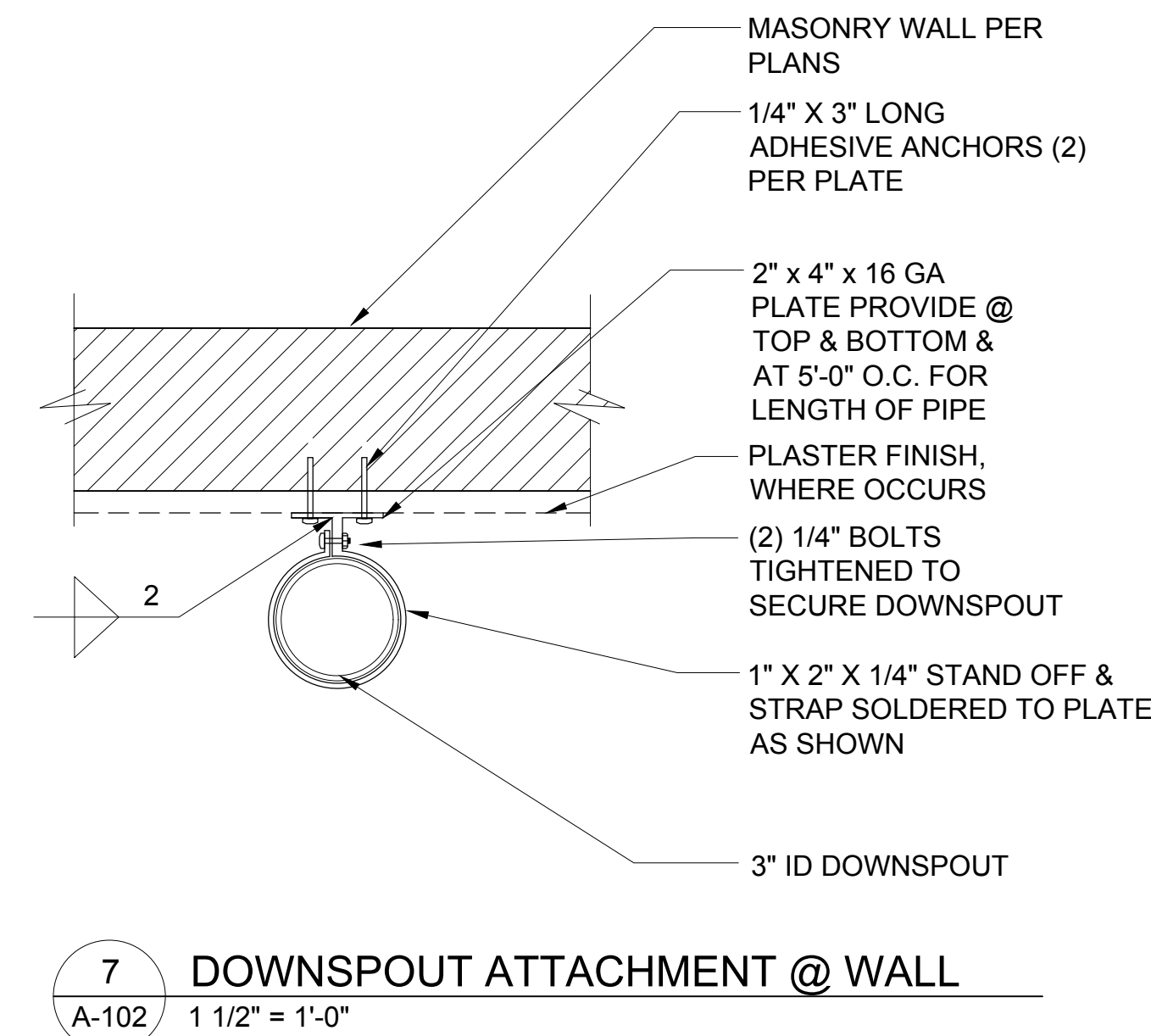
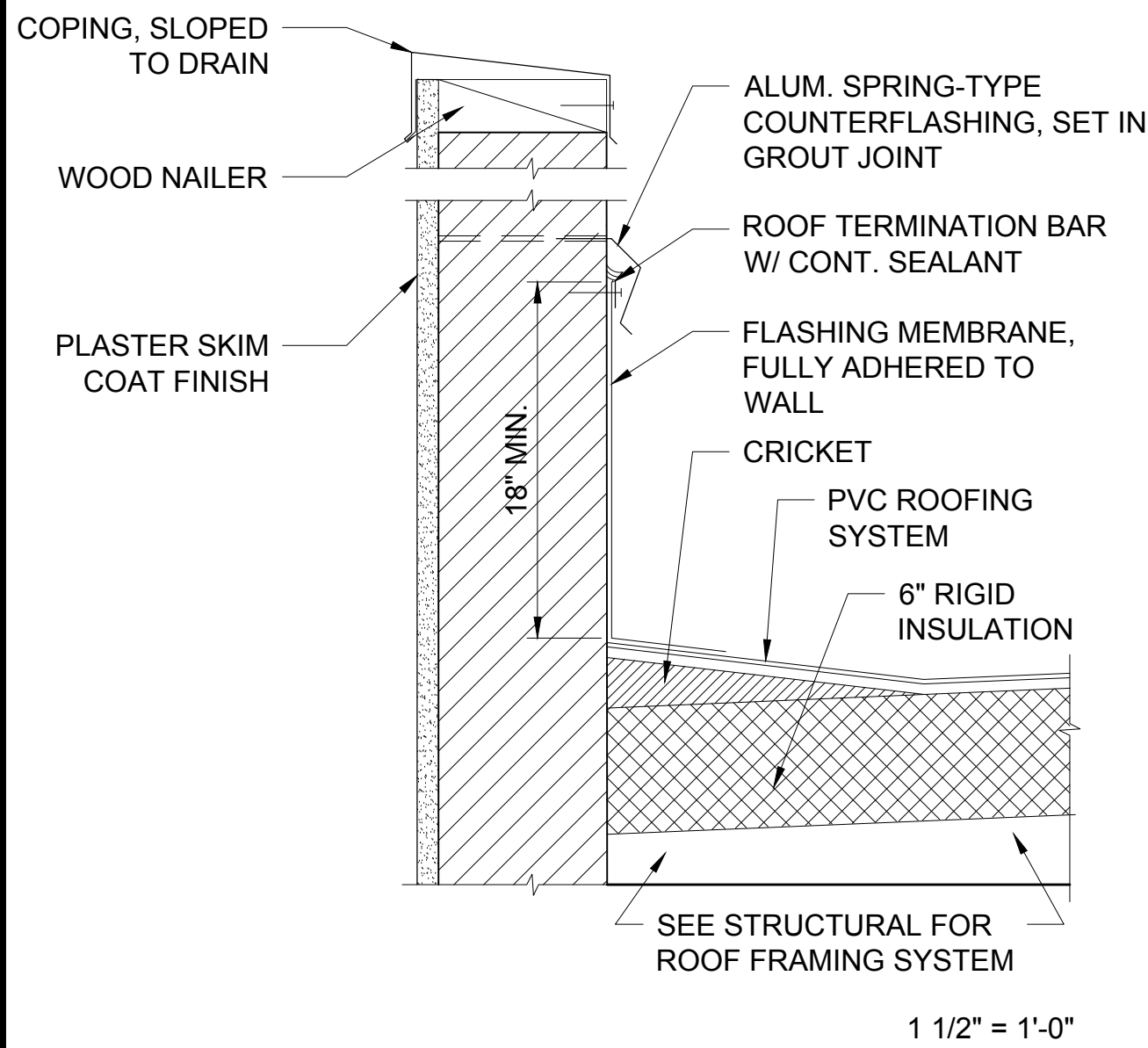
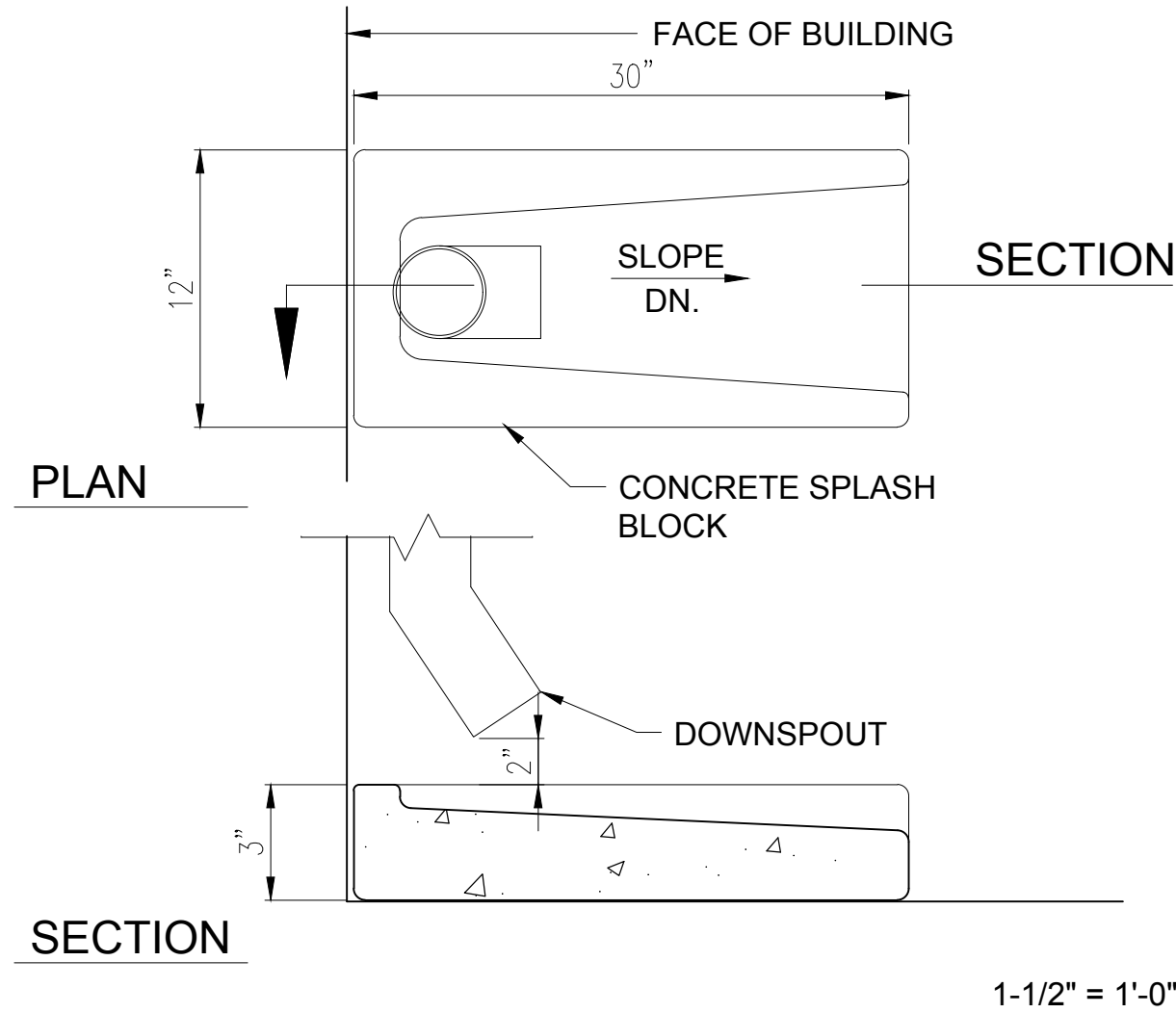


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| | | | |
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| CASA CASILLAS ARTIST SPACE 50 4th AVENUE, CHULA VISTA, CA EXTERIOR DETAILS | | | |
| RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022 <i>Naveen H. Waney</i> | | APPROVED BY: _____ Naveen H. Waney, AIA Architect of Record | CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTACA.GOV |
| DATE: ---- | | | DRAWING NO. A-500 |

| DATUM | | SCALE | DESIGNED BY: | REFERENCES DWG. NO.: | REVISION |
|----------------|----|----------------|--------------|----------------------|--------------|
| HORIZONTAL: -- | -- | HORIZONTAL: -- | DRAWN BY: | CCV DWG No.15024 | BY / DATE |
| VERTICAL: -- | -- | VERTICAL: -- | CHECKED BY: | | APP'D / DATE |
| | | | | | 3. |



| | | | | | |
|------|---|-----------------|---|-------------|---|
| CURB | 6 | TYPICAL PARAPET | 2 | ROOF LADDER | 1 |
|------|---|-----------------|---|-------------|---|

| | | | | | |
|--|--|--------------|--|---|---|
| | | | | <div>CASA CASILLAS ARTIST SPACE 50 4th AVENUE, CHULA VISTA, CA ROOF DETAILS</div> | |
| | | | | <div><div>CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTACA.GOV</div></div> | <div>CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTACA.GOV</div> |
| RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022 | | APPROVED BY: | | DATE: ---- | |
| <div><div><div></div><div>Naveen H. Waney, AIA Architect of Record</div></div></div> | | | | | |
| | | | | DRAWING NO. A-501 | |

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| CONSTRUCTION RECORD | | | | AS-BUILT | | | |
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| INSPECTOR: | | PRINTED NAME: | | ARCHITECT.: | | EXPIRATION: | |
| DATE COMPLETED: | | | | | | | |

REGISTERED ARCHITECT
NAVEEN H. WANEEY
C-33668
EXP 9-30-13
STATE OF CALIFORNIA

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SAN DIEGO, CALIFORNIA
92104



| | |
|---|---|
| 1. TOTAL CEILING WEIGHT, INCLUDING CEILING-MOUNTED AIR TERMINALS, SERVICES AND LIGHT FIXTURES, SHALL NOT EXCEED FOUR (4) PSF. | |
| 2. ALL SUSPENSION SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635 AND BE RATED HEAVY DUTY. | |
| 3. #9 GAGE WIRES SHALL BE 0.147 INCHES IN DIAMETER & #12 GAGE WIRES SHALL BE 0.106 INCHES IN DIAMETER. BOTH WIRES SHALL CONFORM TO ASTM A 641 AND SHALL BE SOFT ANNEALED, GALVANIZED STEEL WIRE WITH A CLASS 1 COATING. | |
| 4. EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT THE INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS AND LOBBIES OR OTHER SIMILAR AREAS. | |
| 5. FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET A SEISMIC SEPARATION JOINT SHALL BE PROVIDED IN ACCORDANCE WITH THE IR TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQUARE FEET. | |
| 6. PENETRATIONS THROUGH THE CEILING FOR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SHALL HAVE A 2 INCH OVERSIZED RING, SLEEVE, OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF 1 INCH IN ALL HORIZONTAL DIRECTIONS. ALTERNATIVELY, SWING JOINTS MAY BE PROVIDED PER ASTM E580, SECTION 5.2.8.8. | |
| 7. A GYPSUM BOARD CEILING GREATER THAN 144 SQUARE FEET IN AREA SHALL BE DESIGNED TO RESIST ITS OWN SEISMIC LOADS AND SHALL NOT BE PERMITTED TO BE USED TO RESIST PRIMARY STRUCTURAL LOADS OR OTHER LOADS. | |
| 8. THE SLOPE OF BRACING WIRES SHALL NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHALL BE TAUT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT APPROVAL. | |
| 9. FASTEN HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS WITHIN A DISTANCE OF 3". FASTEN #12 BRACING WIRES WITH FOUR (4) TIGHT TURNS WITHIN A DISTANCE OF 1-1/2". HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE. NOTE: WIRE TURNS MADE BY MACHINE WHERE BOTH STANDARDS HAVE BEEN DEFORMED OR BENT IN WRAPPING CAN WAIVE THE 1-1/2 INCH REQUIREMENT, BUT THE NUMBER OF TURNS SHOULD BE MAINTAINED, AND BE AS TIGHT AS POSSIBLE. | |
| 10. SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC. | |
| 11. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL 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. | |
| 12. ATTACH ALL LIGHT FIXTURES AND CEILING MOUNTED AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES. SCREWS OR APPROVED FASTENERS ARE REQUIRED. | |
| 13. FLUSH OR RECESSED LIGHT FIXTURES WEIGHING LESS THAN 56 LBS. AND MECHANICAL TERMINALS AND SERVICES WEIGHING LESS THAN 20 LBS., MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUSH HAVE A MINIMUM OF TWO (2) #12 GAGE SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. ALL 4FT. X 4 FT. LIGHT FIXTURES MUST HAVE SLACK SAFETY WIRES AT EACH CORNER. ALL FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS WEIGHING 56 LBS. OR MORE MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 GAGE WIRES, EACH ATTACHED TO THE FIXTURES AND TO THE STRUCTURE ABOVE. THE WIRES AND ATTACHMENT TO STRUCTURE ABOVE MUST BE CAPABLE OF SUPPORTING 4 TIMES THE WEIGHT OF THE UNIT. | |
| TYPICAL SUSP. GYPSUM SYSTEM NOTES | 8 |

The diagram illustrates a grid system for drywall suspension. It features a 12'-0" MAX by 12'-0" MAX grid. Hanger wires are spaced at 4'-0" MAX. Cross tees are spaced at 16" MAX. The grid is labeled 'ATTACHED' on the top and left sides, and 'UNATTACHED' on the bottom and right sides. A main beam is shown at the bottom left, labeled 'MAIN BEAM 48" O.C.'. Callouts 3A and 3B point to details of the A-551 system.

LEGEND

BRACING SYSTEM @ MAX. 12' X 12' O.C. PER 4/A-551

- HANGER WIRE @ MAX. 4' X 4' O.C. – ATTACH TO STRUCTURE ABOVE PER 1/A-552

DRYWALL GRID METAL SUSPENSION SYSTEM

| PART TYPE | ARMSTRONG PART NUMBER |
|----------------------------|-----------------------|
| MAIN BEAM | HD8901, HD8906 |
| CROSS TEE | XL8945P |
| WALL ANGLE | KAM – 21020 |
| SEISMIC END RETAINING CLIP | BERC 2 |
| DRYWALL ANGLE CLIP | DW90C |

SEE ALSO GENERAL NOTES 8/A-551.

SCALE: NTS

TYPICAL SUSP. GYPSUM SYSTEM LAYOUT

6

12 GA. BRACING WIRE W/ MIN.
3 TIGHT TURNS IN 3" MAX.

WALL, TYP.

OR 1/4 LENGTH OF END RUNNER,
WHICHEVER IS LESS

9 GA. HANGER WIRE W/ MIN.
3 TIGHT TURNS IN 3" MAX.

MAIN BEAM OR CROSS TEE

8" MAX

SEISMIC END RETAINING CLIP W/
TIGHT RETAINING SCREW ATTACHED
TO WALL W/ WALL ANGLE & #8
FRAMING SCREWS.

(A) ATTACHED

SEISMIC END RETAINING CLIP W/
LOOSE RETAINING SCREW ATTACHED
TO WALL W/ WALL ANGLE & #8
FRAMING SCREWS.

(B) UNATTACHED

NOTES:

1. CONNECT WIRES TO STRUCTURE PER DETAIL 1/A-552.
2. PROVIDE COMPRESSION STRUTS PER DETAIL 4/A-551.
3. CEILING GRID MEMBERS SHALL BE ATTACHED AT (2) ADJACENT WALLS PER ASCE 7-10, SECTION 13.3.1 AND SHALL BE UNATTACHED AT OTHER WALLS W/ MIN. 1/2" CLEAR FROM WALL.
4. PROVIDE MIN. (2) 12 GA. SLACK SAFETY WIRES AT DIAGONAL CORNERS FOR EACH GRID-MOUNTED LIGHT OR PROJECTOR MOUNT WEIGHING 56 LBS. OR LESS
5. REFER TO GENERAL NOTES, 8/A-551, FOR MORE REQUIREMENTS.
6. CONTRACTOR CAN COORDINATE FASTENER LOCATIONS W/ WALL STUDS, OR PROVIDE 6" BACKING PER 3/A-555 AT CLIP FASTENER LOCATIONS
7. FIXTURES 56 POUNDS OR MORE SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE WITHOUT USING THE CEILING SUSPENSION SYSTEM FOR DIRECT SUPPORT

SCALE: NTS

SUSPENDED GYPSUM SYSTEM PERIMETER

3

**TABLE 1:
MAXIMUM RECOMMENDED LENGTHS FOR VERTICAL STRUTS**

EMT CONDUIT

| | |
|------------------|--------------|
| 1/2" EMT CONDUIT | UP TO 6'-0" |
| 3/4" EMT CONDUIT | UP TO 8'-6" |
| 1" EMT CONDUIT | UP TO 10'-0" |

1 METAL STUD

| | |
|------------------------------|--------------|
| 1-5/8" METAL STUD (25-GUAGE) | UP TO 6'-2" |
| 2-1/2" METAL STUD (25-GUAGE) | UP TO 10'-6" |

NOTES:

- (1) PLENUM AREAS GREATER THAN 11 FT REQUIRE ENGINEERING CALCULATIONS.
- SOURCE: TECHNICAL SERVICES AND INFORMATION BUREAU
- (2) VERTICAL STRUTS MAY BE METAL STUDS, EMT, CONDUIT, OR A PROPRIETARY COMPRESSION POST.

SCALE: NTS

SUSPEND GYPSUM SYSTEM BRACING

4

3

REVISION
BY / DATE
APPD / DATE

REFERENCES DWG. NO.:
CCV DWG No.15024

DESIGNED BY:
DRAWN BY:
CHECKED BY:

SCALE
HORIZONTAL: --
VERTICAL: --

DATUM
HORIZONTAL: --
VERTICAL: --

DOOR & FRAME
RUBBER CARPET EDGE GUARD MOLDING
CARPET

A CARPET TO CONCRETE FLOOR

DOOR & FRAME
RUBBER REDUCER (W/ OVERLAP) MOLDING
RESILIENT FLOOR

B RESILIENT FLOOR TO CONCRETE FLOOR

DOOR & FRAME
1/4" MAX. TRANSITION
SCHLUTER RENO-U 3/8" OR EQUAL
CERAMIC TILE

C CERAMIC TILE TO CONCRETE FLOOR

DOOR & FRAME
CERAMIC TILE
SCHLUTER SCHIENE M60 3/8" SCREED OR EQUAL
CARPET

D CARPET/RESILIENT FLOOR TO CERAMIC TILE

DOOR & FRAME
RESILIENT FLOOR
RUBBER REDUCER (W/ OVERLAPS) MOLDING
CARPET

E CARPET TO RESILIENT FLOOR

DOOR & FRAME
THRESHOLD
FLOOR FINISH PER SCHEDULE

F THRESHOLD

1/2" MAX.
1/4" MAX.
1/2"

*CHANGES IN LEVEL UP TO 1/4" MAY BE VERTICAL. CHANGES UP TO 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1 UNIT VERTICAL TO 2 UNITS HORIZONTAL, PER CBC 11B-303.3 (APPLIES TO ALL CONDITIONS)

TYPICAL TRANSITION

GENERAL NOTES:

- ALL TRANSITION CONDITIONS SHALL COMPLY WITH TYPICAL TRANSITION DETAIL ABOVE
- LOCATE TRANSITIONS UNDER DOORS (MOLDING/Joint CONCEALED WHEN DOOR CLOSED) WHENEVER POSSIBLE.
- REFER TO SPECIFICATION SECTION 087100 HARDWARE SETS FOR ADDITIONAL THRESHOLDS REQUIRED AT DOORS FOR FIRE, SMOKE AND ACOUSTICAL APPLICATIONS NOT NOTED ON DETAILS. PROVIDE METAL THRESHOLDS IN LIEU OF RUBBER TRANSITIONS IF NOTED IN HARDWARE SET.
- SEE FINISH SCHEDULE FOR SPECIFIC FLOOR FINISHES REQUIRED.

SCALE: 3" = 1'-0"

INTERIOR DOOR SILL TRANSITION

8

MTL. STUD WALL PER WALL TYPES ON A-510
PROVIDE BOX HEADER,
CONT. SEALANT, TYP. EACH SIDE
EXTEND GYP. BD. INTO FRAME MIN. 1/2"
FRAME ANCHOR
FILL FRAME W/ 6-12 LB. MINERAL DENSITY WOOL AT DOORS 102, 126 & 128 . (FSI<25; SDI<50)
HM FRAME
DOOR PER SCHEDULE

SCALE: 3" = 1'-0"

ACCENT TILE INSTALLED W/ BONDED WATERPROOFING MEMBRANE PER TCNA W244E . SEAL TILE & GROUT.
S.S. TILE TERMINATION SHAPE, LEGS TO MATCH TILE & SETTING DEPTH (SCHLUTER-SCHIENE, OR EQ.)
ANCHORS/SPACERS PER DOOR MFR.
SEALANT & BACKER ROD
DOOR & FRAME PER SCHEDULE.

WALL TILE (TCNA W244C-13)
5/8" CEMENTITIOUS BACKER PANEL
6" MTL. STUDS @ 16" O.C., MAX. W/ BATT INSULATION
DOUBLE UP STUDS AT ENDS, TYP.
5/8" WOOD BLOCKING, ADDITIONAL BLOCKING IF REQUIRED BY DOOR MFR./INSTALLER
S.S. "L" SHAPED TILE TERMINATION. (SCHLUTER-SCHIENE, OR EQ.) COMPATIBLE W/ RONDEC
S.S. OUTSIDE CORNER TRIM. (SCHLUTER RONDEC, OR EQ.) TYP. @ ALL OUTSIDE CORNERS
SEAL

SCALE: 3" = 1'-0"

DOOR/HARDWARE PER SCHEDULE
FRAME PER SCHEDULE

ADA COMPLIANT SADDLE THRESHOLD. FASTEN W/ SCREWS & LEAD WEDGES, OR W/ CONCRETE ANCHORS PER MFR'S RECOMMENDATIONS

CONCEAL TRANSITION BETWEEN DIFFERENT FINISHES UNDER THRESHOLD. SEE FINISH SCHEDULE FOR FINISHES

SCALE: 3" = 1'-0"

HEAD @ INTERIOR HM DOOR

5

HM JAMB @ FRAMED TILE WALL

3

SADDLE THRESHOLD

2

TILE WHERE OCCURS. SEE WALL TYPES, ELEVS & FINISH SCHEDULE. TILE TO NEARLY BUTT FRAME, LEAVING SMALL GAP FOR SEALANT. CEMENT BOARD BEHIND TILE IN LIEU OF GYP.BD.
MTL. STUD WALL PER WALL TYPES.
PROVIDE DBL. STEEL STUDS & TACK WELD TOGETHER
CONT. SEALANT, TYP. EACH SIDE
EXTEND GYP. BD. INTO FRAME MIN. 1/2"
FRAME ANCHOR
FILL FRAME W/ 6-12 LB. MINERAL DENSITY WOOL AT DOORS 102, 126& 128. (FSI<25; SDI<50)
DOOR PER SCHEDULE
HM FRAME

SCALE: 3" = 1'-0"

5/8" GYPSUM BOARD
MTL. STUD & TRACK BOX HEADER
5/8" THICK WOOD BLOCKING, ADDITIONAL BLOCKING AS REQD. BY DOOR MFR./INSTALLER
"L" TRIM

TILE INSTALLED W/ BONDED WATERPROOFING MEMBRANE PER TCNA W244E . SEAL TILE & GROUT.
WALL PER PLAN
5/8" CEMENTITIOUS BACKER BOARD
LAP WATER PROOFING OVER FLASHING S.S. TILE TERMINATION BELOW
S.S. TILE TERMINATION SHAPE, LEGS TO MATCH TILE & SETTING DEPTH (SCHLUTER-SCHIENE, OR EQ.)
SEALANT & BACKER ROD
DOOR & FRAME PER SCHEDULE. SHIM & ANCHOR PER DOOR MFR.

SCALE: 3" = 1'-0"

JAMB @ INTERIOR HM DOOR

6

HM HEAD & FRAMED TILE WALL

4

HM DOOR HEAD IN CMU ONLY (JAMB SIM.)

1

CMU WALL, GROUT/REINFORCE PER STRUCTURAL PRECISION FACE INTERIOR SIDE.
CMU FINISH PER PLANS
CONT. SEALANT OVER BACKER ROD, TYP. EACH SIDE, ALL AROUND
CONT. HM OR FRP FRAME PER SCHEDULE. 2" AT JAMBS. 4" CMU HEAD U.O.N.
3/8" FLATHEAD SLEEVE ANCHOR W/ MIN. 2-1/4" EMBED. (S.S. @ FRP DOORS). SPACER & SHIMS AS REQD. TO MAINTAIN SEALANT JOINT WIDTH
DOOR PER SCHEDULE

SCALE: 3" = 1'-0"

Platt/Whitelaw
Architects, Inc.
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SAN DIEGO, CALIFORNIA
92104

RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022

APPROVED BY:

DATE: ----

Naveen H. Waney, AIA
Architect of Record

DRAWING NO.
A-553

CASA CASILLAS ARTIST SPACE
50 4th AVENUE, CHULA VISTA, CA
DOOR DETAILS

CITY OF CHULA VISTA
PUBLIC WORKS
1800 MAXWELL ROAD,
CHULA VISTA, CA
WWW.CHULAVISTACA.GOV

DATE: ----

CONSTRUCTION RECORD

AS-BUILT

CONTRACTOR:

INSPECTOR:

DATE COMPLETED:

SIGNED:

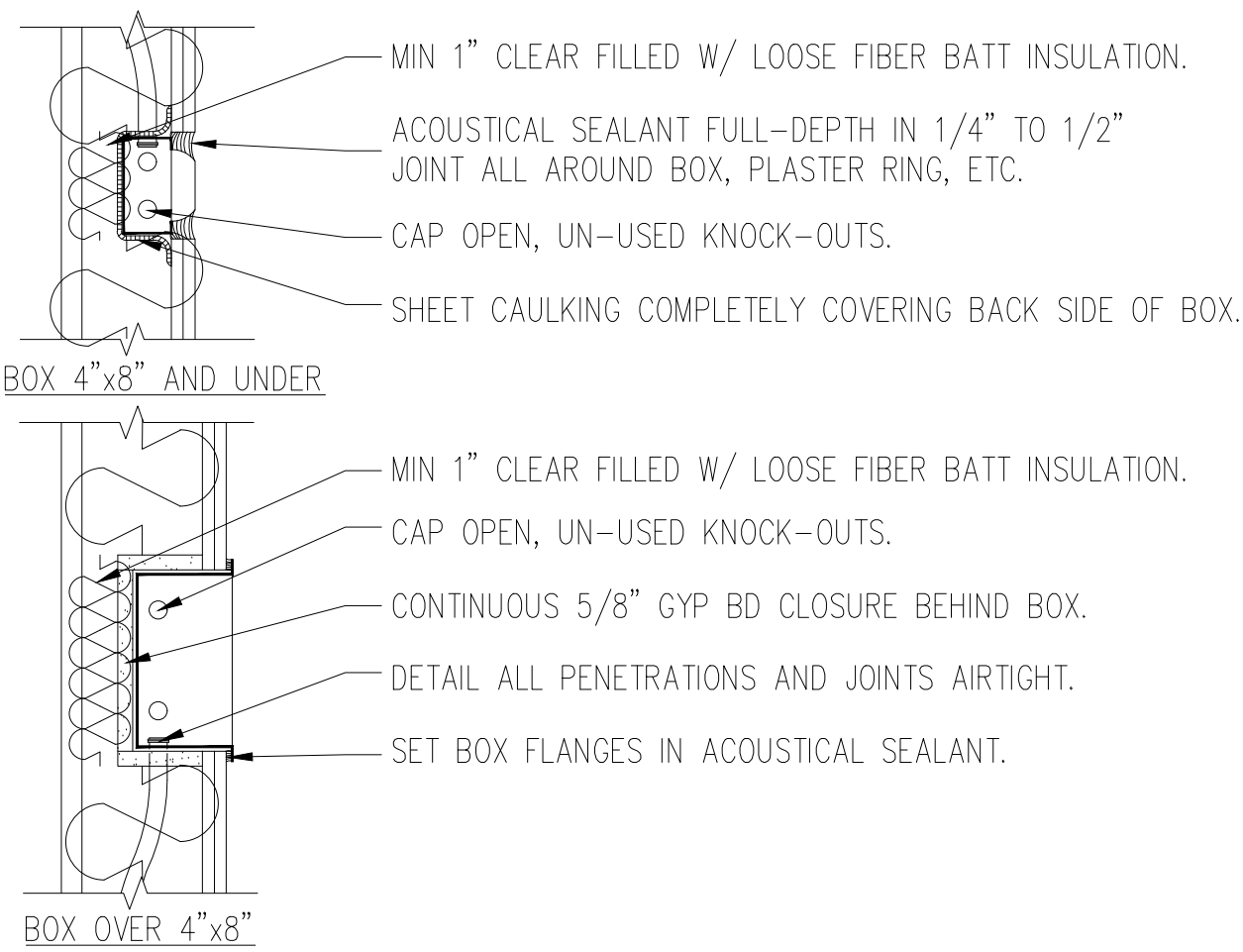
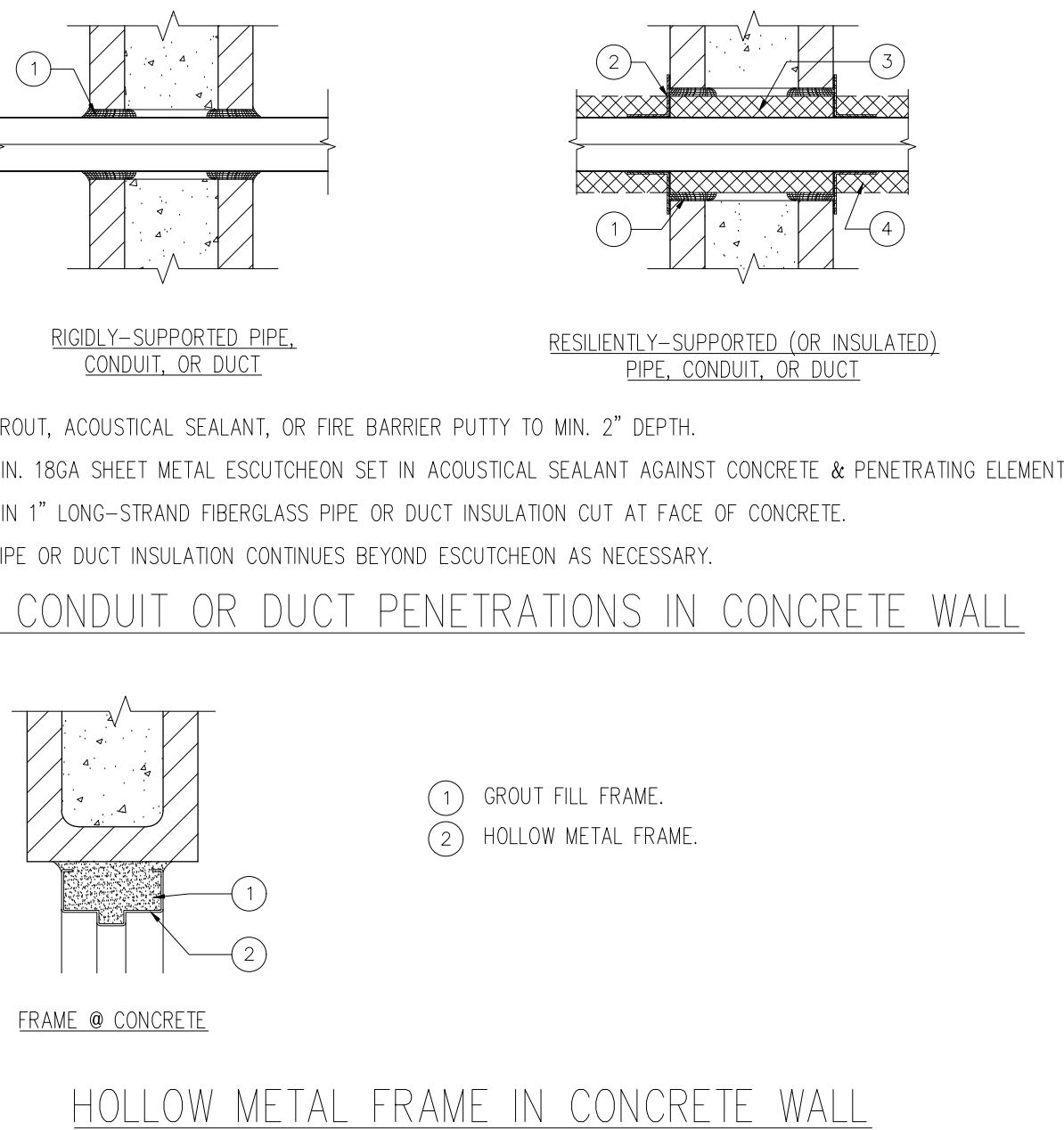
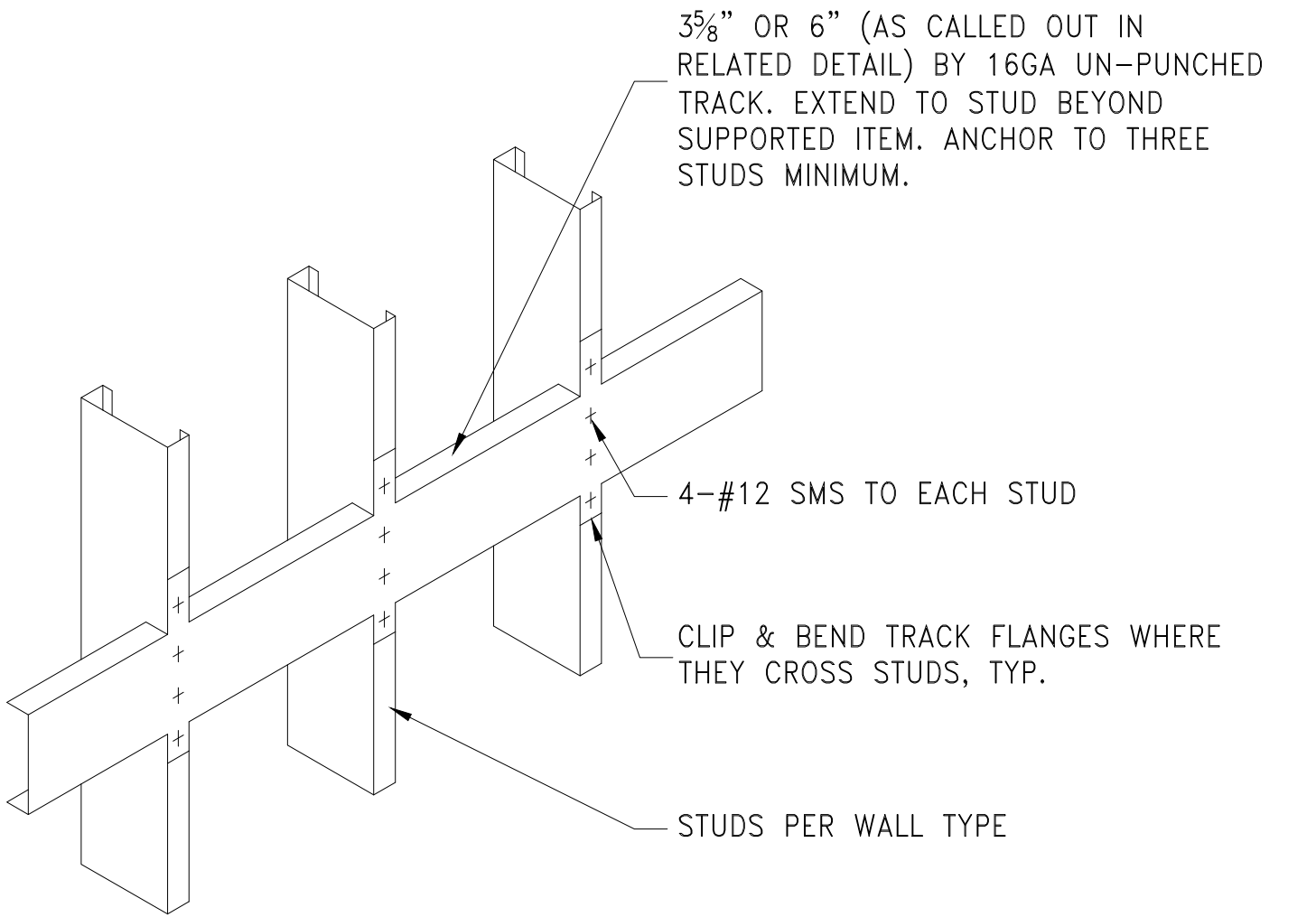
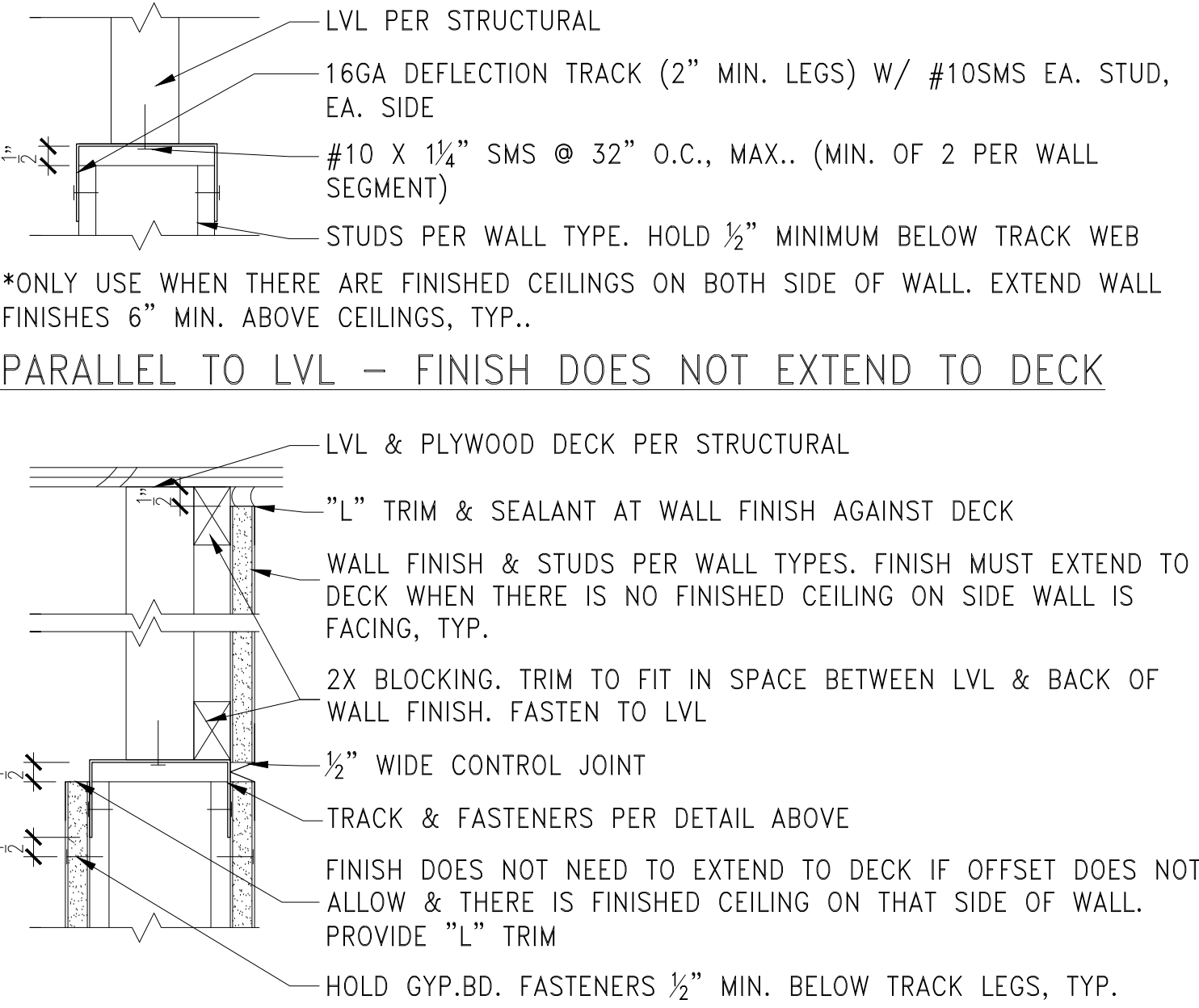
PRINTED NAME:

DATE:

ARCHITECT.:

DISCIPLINE:

EXPIRATION:

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|--|--|--|---|---|---|---------------------------|
| <div> <div> <div>REVISION</div> <div>BY / DATE</div> <div>APPD / DATE</div> </div> <div> <div>DESIGNED BY: --</div> <div>DRAWN BY: --</div> <div>CHECKED BY: --</div> </div> <div> <div>SCALE</div> <div>HORIZONTAL: --</div> <div>VERTICAL: --</div> </div> <div> <div>DATUM</div> <div>HORIZONTAL: --</div> <div>VERTICAL: --</div> </div> </div> <div> <div>REFERENCES DWG. NO.:</div> <div>CCV DWG No.15024</div> </div> | <div>  <p>MIN 1" CLEAR FILLED W/ LOOSE FIBER BATT INSULATION.</p> <p>ACOUSTICAL SEALANT FULL-DEPTH IN 1/4" TO 1/2" JOINT ALL AROUND BOX, PLASTER RING, ETC.</p> <p>CAP OPEN, UN-USED KNOCK-OUTS.</p> <p>SHEET CAULKING COMPLETELY COVERING BACK SIDE OF BOX.</p> <p>BOX 4"x8" AND UNDER</p> <p>MIN 1" CLEAR FILLED W/ LOOSE FIBER BATT INSULATION.</p> <p>CAP OPEN, UN-USED KNOCK-OUTS.</p> <p>CONTINUOUS 5/8" GYP BD CLOSURE BEHIND BOX.</p> <p>DETAIL ALL PENETRATIONS AND JOINTS AIRTIGHT.</p> <p>SET BOX FLANGES IN ACOUSTICAL SEALANT.</p> <p>BOX OVER 4"x8"</p> <p>AIRTIGHT RECESSED BOXES IN GYPSUM BOARD</p> </div> | <div>  <p>RIGIDLY-SUPPORTED PIPE, CONDUIT, OR DUCT</p> <p>RESILIENTLY-SUPPORTED (OR INSULATED) PIPE, CONDUIT, OR DUCT</p> <p>1 GROUT, ACOUSTICAL SEALANT, OR FIRE BARRIER PUTTY TO MIN. 2" DEPTH.</p> <p>2 MIN. 18GA SHEET METAL ESCUTCHEON SET IN ACOUSTICAL SEALANT AGAINST CONCRETE & PENETRATING ELEMENT.</p> <p>3 MIN 1" LONG-STRAND FIBERGLASS PIPE OR DUCT INSULATION CUT AT FACE OF CONCRETE.</p> <p>4 PIPE OR DUCT INSULATION CONTINUES BEYOND ESCUTCHEON AS NECESSARY.</p> <p>PIPE, CONDUIT OR DUCT PENETRATIONS IN CONCRETE WALL</p> <p>1 GROUT FILL FRAME.</p> <p>2 HOLLOW METAL FRAME.</p> <p>FRAME @ CONCRETE</p> <p>HOLLOW METAL FRAME IN CONCRETE WALL</p> <p>AIRTIGHT DETAILS - CMU WALLS</p> </div> | <div>  <p>3 5/8" OR 6" (AS CALLED OUT IN RELATED DETAIL) BY 16GA UN-PUNCHED TRACK. EXTEND TO STUD BEYOND SUPPORTED ITEM. ANCHOR TO THREE STUDS MINIMUM.</p> <p>4-#12 SMS TO EACH STUD</p> <p>CLIP & BEND TRACK FLANGES WHERE THEY CROSS STUDS, TYP.</p> <p>STUDS PER WALL TYPE</p> <p>SCALE: 3" = 1'-0"</p> <p>TYPICAL WALL BACKING</p> </div> | <div>  <p>LVL PER STRUCTURAL</p> <p>16GA DEFLECTION TRACK (2" MIN. LEGS) W/ #10SMS EA. STUD, EA. SIDE</p> <p>#10 X 1 1/4" SMS @ 32" O.C., MAX.. (MIN. OF 2 PER WALL SEGMENT)</p> <p>STUDS PER WALL TYPE. HOLD 1/2" MINIMUM BELOW TRACK WEB</p> <p>*ONLY USE WHEN THERE ARE FINISHED CEILINGS ON BOTH SIDE OF WALL. EXTEND WALL FINISHES 6" MIN. ABOVE CEILINGS, TYP..</p> <p>PARALLEL TO LVL – FINISH DOES NOT EXTEND TO DECK</p> <p>LVL & PLYWOOD DECK PER STRUCTURAL</p> <p>"L" TRIM & SEALANT AT WALL FINISH AGAINST DECK</p> <p>WALL FINISH & STUDS PER WALL TYPES. FINISH MUST EXTEND TO DECK WHEN THERE IS NO FINISHED CEILING ON SIDE WALL IS FACING, TYP.</p> <p>2X BLOCKING. TRIM TO FIT IN SPACE BETWEEN LVL & BACK OF WALL FINISH. FASTEN TO LVL</p> <p>1/2" WIDE CONTROL JOINT</p> <p>TRACK & FASTENERS PER DETAIL ABOVE</p> <p>FINISH DOES NOT NEED TO EXTEND TO DECK IF OFFSET DOES NOT ALLOW & THERE IS FINISHED CEILING ON THAT SIDE OF WALL. PROVIDE "L" TRIM</p> <p>HOLD GYP.BD. FASTENERS 1/2" MIN. BELOW TRACK LEGS, TYP.</p> <p>*EXTEND FINISH TO DECK ABOVE IN ALL CASES WHEN THERE IS NOT A FINISHED CEILING ON THAT SIDE OF WALL, TYP..</p> <p>PARALLEL TO LVL – FINISH EXTENDS TO DECK</p> <p>LVL BEYOND PER STRUCTURAL</p> <p>#10 X 1 1/4" SMS @ 32" O.C., MAX.. INTO LVLS (MIN. OF 2 PER WALL SEGMENT)</p> <p>16GA DEFLECTION TRACK (2" MIN. LEGS) W/ #10SMS EA. STUD, EA. SIDE</p> <p>STUDS PER WALL TYPE. HOLD 1/2" MINIMUM BELOW TRACK WEB</p> <p>*ONLY USE WHEN THERE ARE FINISHED CEILINGS ON BOTH SIDE OF WALL. EXTEND WALL FINISHES 6" MIN. ABOVE CEILINGS, TYP..</p> <p>PERPENDICULAR TO LVL – FINISH DOES NOT EXTEND TO DECK</p> <p>PLYWOOD DECK PER STRUCTURAL</p> <p>2X BLOCKING SIZED & TRIMMED TO FILL GAP BETWEEN SHEATHING & BLOCKING BELOW</p> <p>TWO 2X10 FASTENED TO LVLS EACH SIDE</p> <p>#10 X 1" SMS @ 32" O.C., MAX.. MIN. OF 2 PER WALL SEGMENT.</p> <p>HOLD GYP.BD. FASTENERS 1/2" MIN. BELOW TRACK LEGS, TYP.</p> <p>16GA DEFLECTION TRACK (2" MIN. LEGS) W/ #10SMS EA. STUD, EA. SIDE</p> <p>*EXTEND FINISH TO DECK ABOVE IN ALL CASES WHEN THERE IS NOT A FINISHED CEILING ON THAT SIDE OF WALL, TYP.. IF THERE IS A FINISHED CEILING THEN WALL FINISH CAN STOP 6" MIN. ABOVE FINISHED CEILING. BUT, ANY GAPS/OPENINGS AROUND CORNERS, ETC. THAT WOULD BE VISIBLE MUST BE FILLED IN W/ FRAMING & GYP.BD., TYP..</p> <p>PERPENDICULAR TO LVL – FINISH EXTENDS TO DECK</p> <p>SCALE: 3" = 1'-0"</p> <p>TYPICAL FRAMED WALL HEADS</p> </div> | <div> <div>AIRTIGHT DETAILS FRAMED WALLS</div> <div>8</div> <div>ANCHOR LOCATIONS IN CMU</div> <div>6</div> <div>TRACK ATTACHMENT TO CONCRETE</div> <div>4</div> </div> | <div> <div>2</div> </div> |
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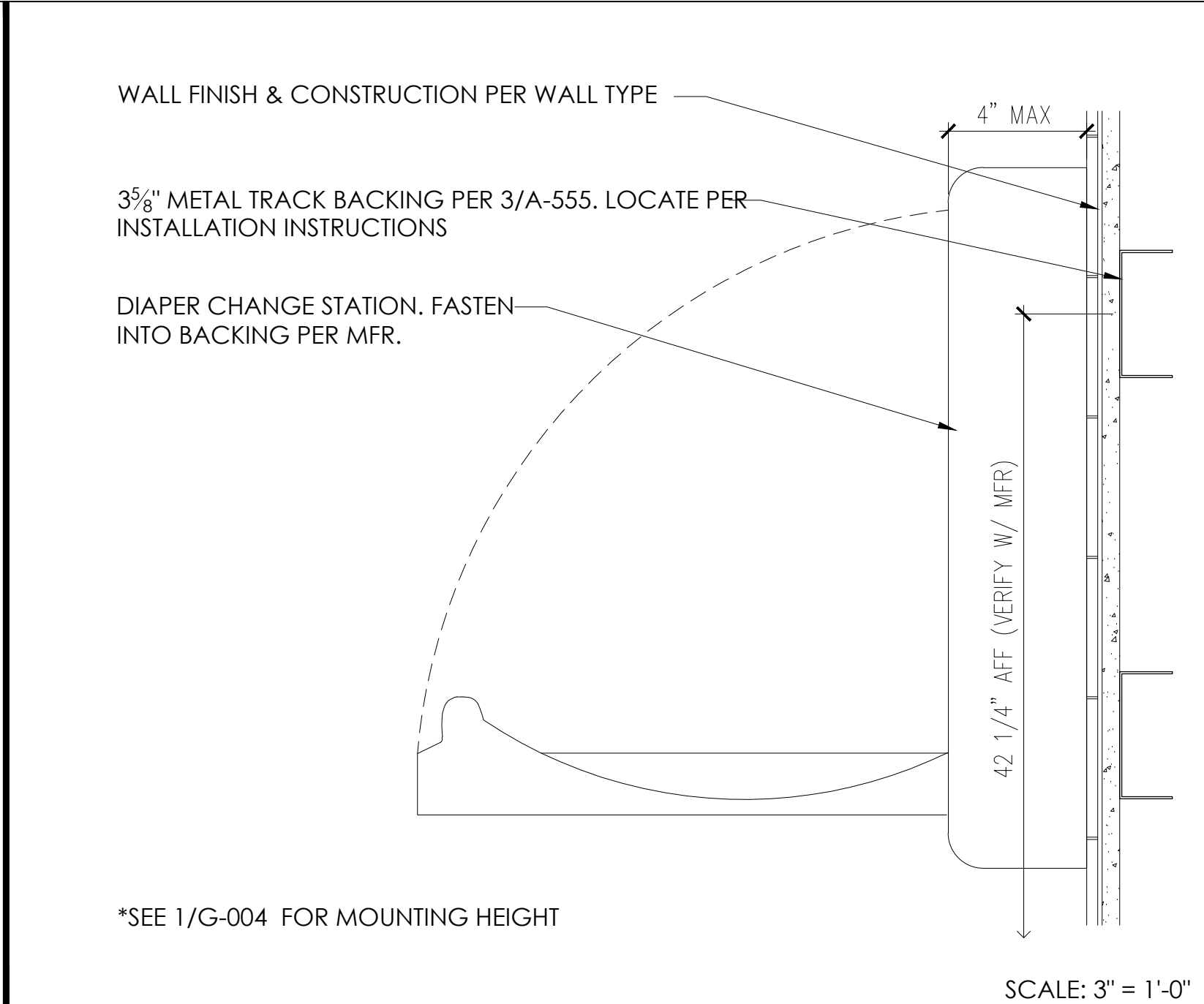
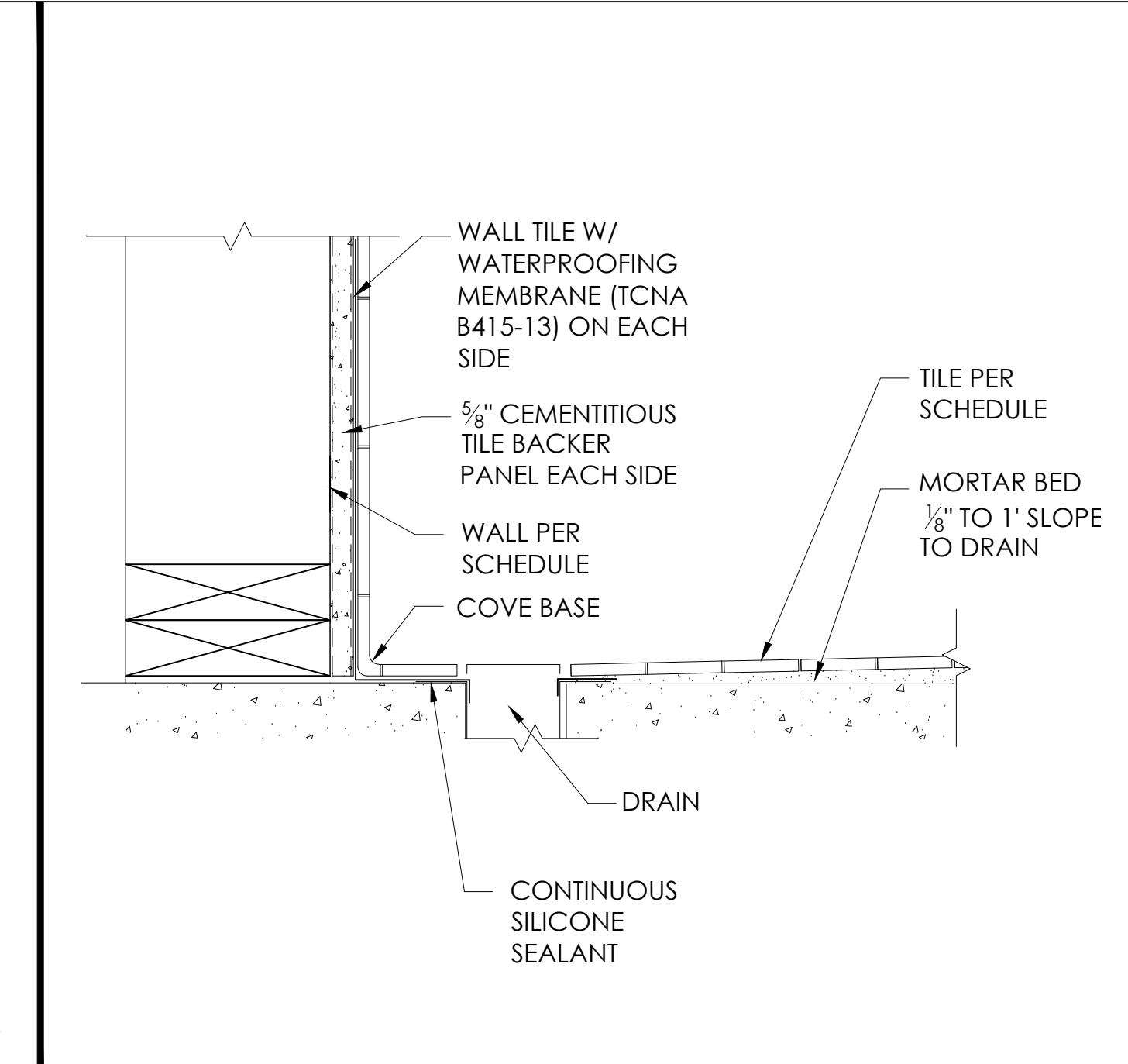
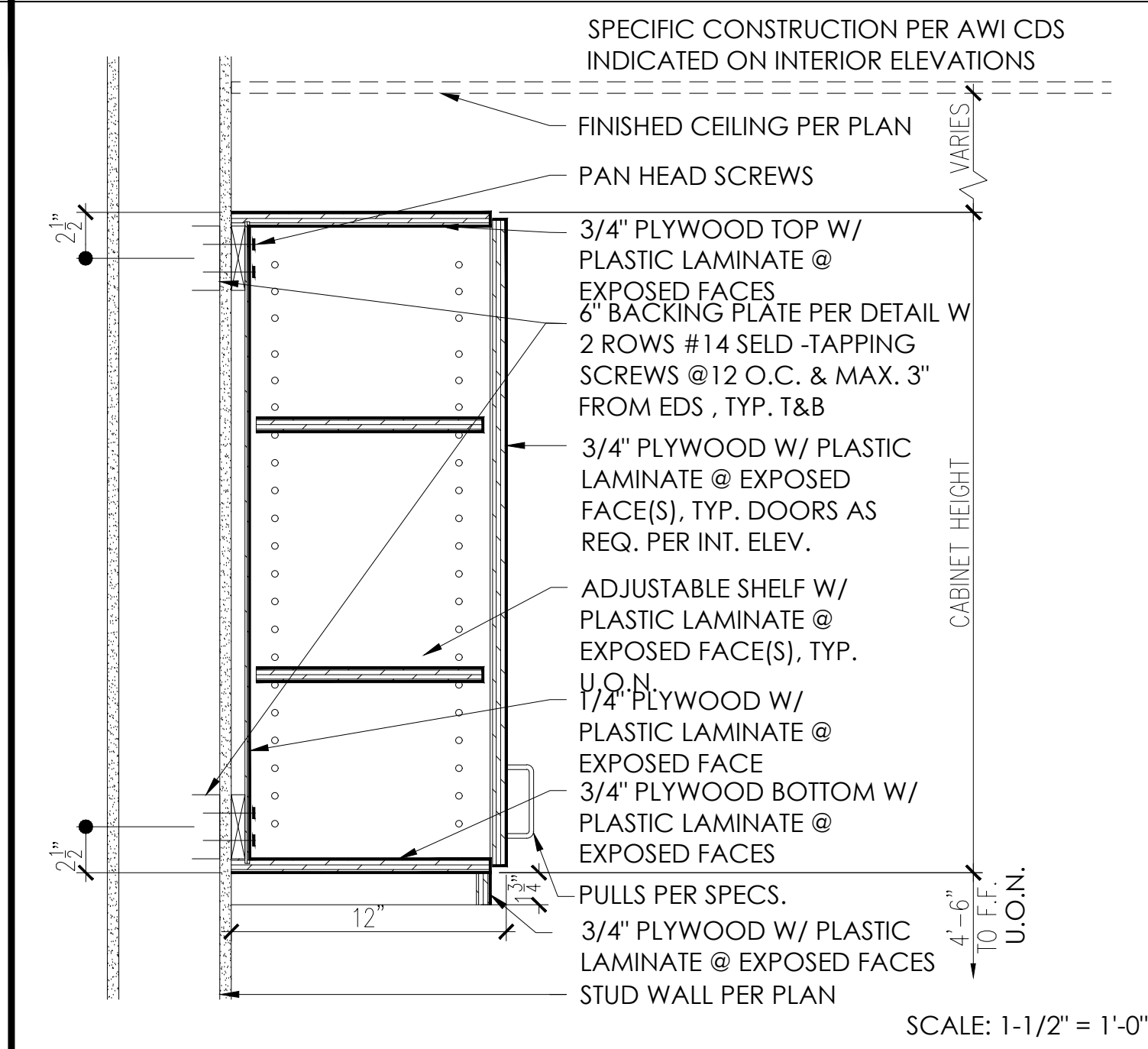
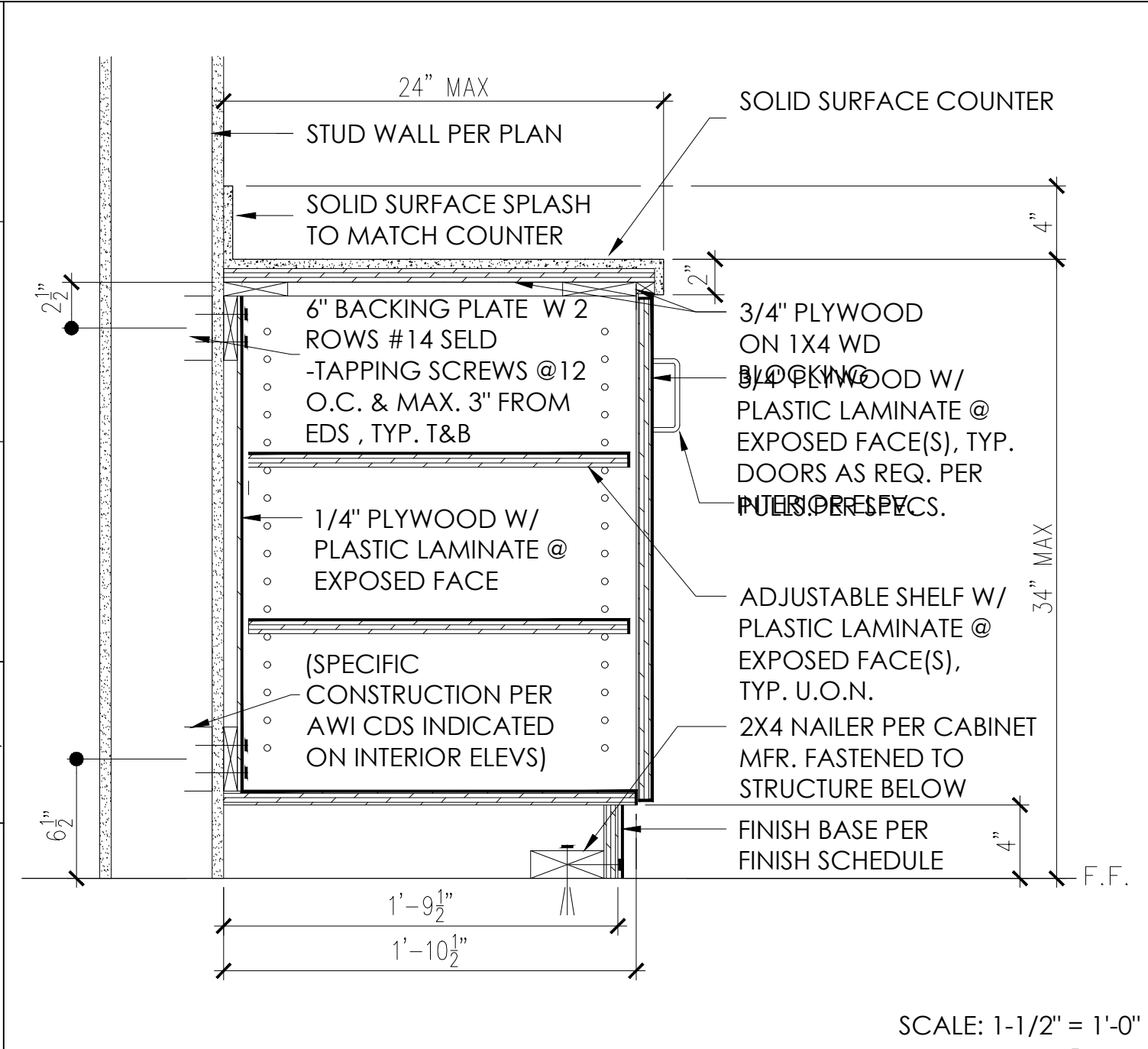
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|---------------------|---------------|-------------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT.: | EXPIRATION: |
| DATE COMPLETED: | | | |



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92104

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|---|--|---|---|
| <div> <div>CASA CASILLAS ARTIST SPACE</div> <div>50 4th AVENUE, CHULA VISTA, CA</div> <div>TYPICAL DETAILS</div> </div> | | | |
| <div> <div> <div>RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022</div> <div> </div> </div> <div> <div>Naveen H. Waney, AIA</div> <div>Architect of Record</div> </div> </div> | | <div> <div> </div> <div> CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTACA.GOV </div> </div> | <div> <div> DATE: ---- </div> <div> DRAWING NO. A-555 </div> </div> |

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|----|--------------|--|-----------------|----------------|-------|
| 3. | REVISION | REFERENCES DWG. NO.: CCV DWG No.15024 | DESIGNED BY: -- | SCALE | DATUM |
| | BY / DATE | | DRAWN BY: -- | HORIZONTAL: -- | |
| | APP'D / DATE | | CHECKED BY: -- | VERTICAL: -- | |
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| | | | | | | | |
|--------------|---|---------------|---|--------------------|---|-----------------------|---|
| BASE CABINET | 1 | UPPER CABINET | 2 | FLOOR DRAIN - TILE | 3 | DIAPER CHANGE STATION | 4 |
|--------------|---|---------------|---|--------------------|---|-----------------------|---|

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|-------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
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|---|--|--------------------------------|---|
| CASA CASILLAS ARTIST SPACE 50 4th AVENUE, CHULA VISTA, CA DETAILS | | | |
| RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022 | | APPROVED BY: DATE: ---- | CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTA.CA.GOV |
| Naveen H. Waney, AIA Architect of Record | | | DRAWING NO. A-556 |

FINISH SCHEDULE

| ROOM # | ROOM NAME | FLOOR FINISH | BASE | CEILING | | NORTH WALL | | SOUTH WALL | | EAST WALL | | WEST WALL | | COMMENTS |
|--------|-------------------------|--------------|------|---------|--------|------------|--------------|------------|---------------------|-----------|---------------|-----------|---------------|---|
| | | | | MAT'L | FINISH | MAT'L | FINISH | MAT'L | FINISH | MAT'L | FINISH | MAT'L | FINISH | |
| 3 | OFFICE | LV1 | RB1 | SGB | P1 | GWB | P1 | GWB | P2 | GWB | P1 | GWB | P1 | |
| 4 | OFFICE | LV1 | RB1 | SGB | P1 | GWB | P1 | GWB | P3 | GWB | P1 | GWB | P1 | |
| 5 | R.R. | CT1 | TCB | GB | P1 | GWB | CT2,CT3, CT4 | GWB | CT2, CT3, CT4 | GWB | CT2, CT3, CT4 | GWB | CT2, CT3, CT4 | MIX 50% CT2, 40% CT3, 10% CT4 |
| 6 | R.R. | CT1 | TCB | GB | P1 | GWB | CT2,CT3, CT4 | GWB | CT2, CT3, CT4 | GWB | CT2, CT3, CT4 | GWB | CT2, CT3, CT4 | MIX 50% CT2, 10% CT3, 40% CT4 |
| 7 | ENTRY / GALLERY | WVF | RB3 | N/A | P1 | GWB | P1 | GWB | P1 | GWB | P1 | GWB | P1 | |
| 8 | STUDIO / SCREENING ROOM | LV2 | RB2 | SGB | P1 | GWB | P1 | GWB | P1 | GWB | P1 | GWB | P4 | PL2 CABINETS WITH SS1 COUNTERTOP |
| 9 | STUDIO | LV2 | RB2 | SGB | P1 | GWB | P1 | GWB | P3 | GWB | P1 | GWB | P1 | PL2 CABINETS WITH SS1 COUNTERTOP |
| 10 | GALLERY | WVF | RB3 | SGB | P1 | GWB | P1 | GWB | P1 | GWB | P1 | GWB | P1 | |
| 11 | KITCHEN / FLEX SPACE | LV3 | RB3 | SGB | P1 | GWB | P1 | GWB | FCT1,FCT2,FCT3,FCT4 | GWB | P1 | GWB | P1 | 60% FCT1/ 10% FCT2,FCT3,FCT4 PL1 CABINETS WITH SS1 COUNTERTOP |
| 12 | STUDIO | LV2 | RB2 | SGB | P1 | GWB | P1 | GWB | P2 | GWB | P1 | GWB | P1 | PL2 CABINETS WITH SS1 COUNTERTOP |
| 13 | STORAGE | CON | N/A | GB | P1 | GWB | P1 | GWB | P1 | GWB | P1 | GWB | P1 | |
| 14 | HALL | WVF | RB3 | GB | P1 | GWB | P1 | GWB | P1 | GWB | P1 | GWB | P1 | |
| 15 | STORAGE | CON | N/A | GB | P1 | GWB | P1 | GWB | P1 | GWB | P1 | GWB | P1 | |
| 16 | CUSTODIAL | | | | | | | | | | | | | |
| 17 | STORAGE | CON | N/A | GB | P1 | GWB | P1 | GWB | P1 | GWB | P1 | GWB | P1 | |
| 18 | GALLERY | WVF | RB3 | N/A | P1 | GWB | P1 | GWB | P1 | GWB | P1 | GWB | P1 | |
| A | PATIO | | | | | | | | | | | | | |

MATERIAL LEGEND

GWB: GYPSUM WALL BOARD
GB: GYPSUM BOARD
FCT1: FIRECLAYTILE MOONSHINE
FCT2: FIRECLAYTILE FROND
FCT3: FIRECLAYTILE TUROQUISE
FCT4: FIRECLAYTILE CARIBBEAN
P1: SHERWIN WILLIAMS 7004 SNOW BOUND
P2: SHERWIN WILLIAMS 6806 RHYTHMIC BLUE
P3: SHERWIN WILLIAMS 6729 LACEWING
P4: SHERWIN WILLIAMS 6813 WISHFUL BLUE
P5: SHERWIN WILLIAMS 6258 TRICORN BLACK
SS1: SOLID SURFACE AVONITE FROSTED GLASS
PL1: PLASTIC LAMINATE FORMICA LIQUID GLASS
PL2: PLASTIC LAMINATE FORMICA WINTER SKY
LV1: LUXURY VINYL PLANK: MANNINGTON SENTIERO NATURE'S PATH
LV2: LUXURY VINYL PLANK: MANNINGTON SPACIA CERAMIC LIGHT
LV3: LUXURY VINYL PLANK: MANNINGTON SPACIA CERAMIC DARK
RB1: RUBBER BASE: TARKETT BURNT AMBER
RB2: RUBBER BASE: TARKETT BLUE LAGOON
RB3: RUBBER BASE: TARKETT GREY
CT1: CERAMIC TILE: AMERICAN OLEAN 12X12 DESIGNER WHITE SPECKLE
CT2: CERAMIC TILE: INTERCERAMIC 3X6 BONE
CT3: CERAMIC TILE: INTERCERAMIC 3X6 SAGE
CT4: CERAMIC TILE: INTERCERAMIC 3X6 TERRA COTTA
TCB: TILE CERAMIC BASE
WVF: 2TEC2 WOVEN VINYL FLOORING TILES COLOR: ANTARCTIC
CP: CEMENT PLASTER COLOR TBD
AN: ANODIZED
CON: CONCRETE
SGB: STRATA CONTINUOUSLY PEFORATED GYP. BD. CEILING
AL: ALUMINUM
AN: ANODIZED BLACK

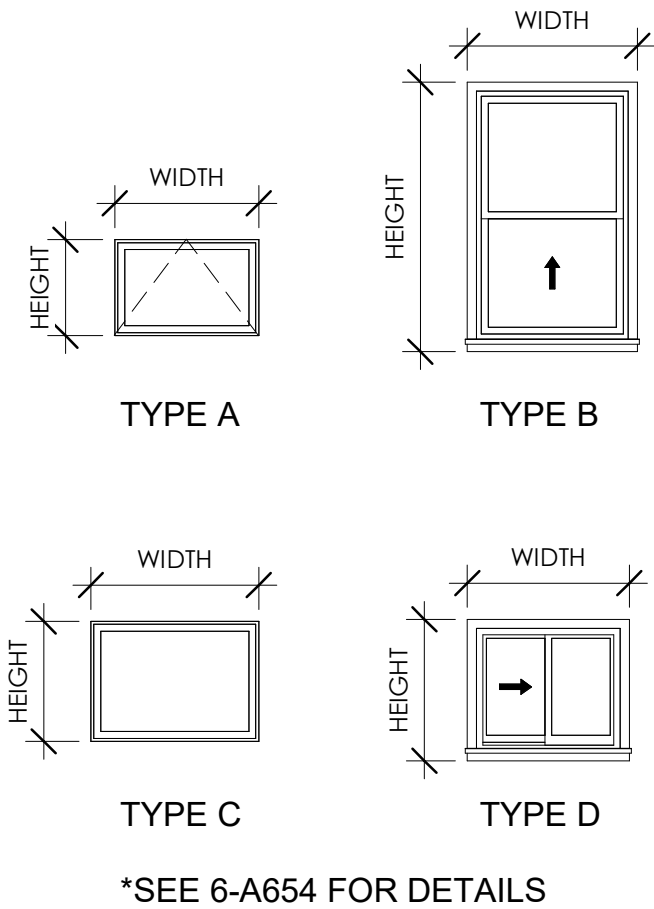
DOOR SCHEDULE

| DOOR | | NEW | DOOR | | | | FRAME | | | | | | FIRE RTG | HARDWARE SET # | GENERAL NOTES |
|------|------|-----|----------------|----------|---------------|------|-------|------|------|---------|---------|---------|----------|----------------|---------------|
| MARK | TYPE | | SIZE (FT - IN) | | | MAT. | FIN. | MAT. | FIN. | DETAIL | | | | | |
| | | | WIDTH | HT | THK | | | | | HEAD | JAMB | SILL | | | |
| 1 | I | Yes | 3' - 0" | 7' - 0" | 0' - 2" | HM | P5 | HM | P5 | 5/A-553 | 6/A-553 | 8/A-553 | N/A | 6.0 | |
| 2 | I | Yes | 3' - 0" | 7' - 0" | 0' - 2" | HM | P5 | HM | P5 | 5/A-553 | 6/A-553 | 8/A-533 | N/A | 6.0 | |
| 3 | I | Yes | 3' - 0" | 7' - 0" | 0' - 2" | HM | P5 | HM | P5 | | | | N/A | 2.0 | |
| 4 | A | Yes | 3' - 0" | 7' - 0" | 0' - 2" | AL | AN | AL | AN | 2/A-554 | | 1/A-554 | N/A | 1.0 | |
| 5 | I | Yes | 3' - 0" | 7' - 0" | 0' - 2" | HM | P5 | HM | P5 | 5/A-553 | 6/A-553 | 8/A-553 | N/A | 5.0 | |
| 6 | C | Yes | 12' - 10" | 7' - 0" | 0' - 6 29/32" | AL | AN | AL | AN | | | | N/A | 10.0 | |
| 7 | I | Yes | 3' - 0" | 7' - 0" | 0' - 2" | HM | P5 | HM | P5 | 5/A-553 | 6/A-553 | 8/A-553 | N/A | 2.0 | |
| 8 | I | Yes | 3' - 0" | 7' - 0" | 0' - 2" | HM | P5 | HM | P5 | 5/A-553 | 6/A-553 | 8/A-533 | N/A | 5.0 | |
| 9 | D | Yes | 6' - 0" | 8' - 0" | 0' - 1 1/2" | AL | P4 | AL | P4 | 1/A-500 | 2/A-500 | 2/A-500 | N/A | 10.0 | |
| 14 | I | Yes | 3' - 0" | 7' - 0" | 0' - 2" | HM | P5 | HM | P5 | 4/A-553 | 3/A-553 | 8/A-553 | N/A | 8.0 | |
| 15 | I | Yes | 3' - 0" | 7' - 0" | 0' - 2" | HM | P5 | HM | P5 | 4/A-553 | 3/A-553 | 8/A-553 | N/A | 8.0 | |
| 16 | I | Yes | 3' - 0" | 7' - 0" | 0' - 2" | HM | P5 | HM | P5 | 5/A-553 | 6/A-553 | 8/A-553 | N/A | 6.0 | |
| 17 | I | Yes | 3' - 0" | 7' - 0" | 0' - 2" | HM | P5 | HM | P5 | 5/A-553 | 6/A-553 | 8/A-553 | N/A | 7.0 | |
| 18 | I | Yes | 3' - 0" | 7' - 0" | 0' - 2" | HM | P5 | HM | P5 | 5/A-553 | 6/A-553 | 8/A-553 | N/A | 4.0 | |
| 19 | E | Yes | 3' - 0" | 8' - 10" | 0' - 2" | AL | AN | AL | AN | 1/A-553 | 1/A-553 | --- | N/A | 9.0 | |
| 20 | E | Yes | 3' - 0" | 8' --10" | 0' - 2" | AL | AN | AL | AN | | | | N/A | 9.0 | |
| 21 | E | Yes | 3' - 0" | 8' --10" | 0' - 2" | AL | AN | AL | AN | | | | N/A | 9.0 | |
| 22 | F | Yes | 6' - 4" | 7' - 0" | 0' - 2" | HM | P5 | HM | P5 | 5/A-553 | 6/A-553 | 8/A-553 | N/A | 3.0 | |
| 23 | J | Yes | 3' - 0" | 7' - 0" | 0' - 2" | PM | --- | PM | --- | | | | N/A | | |

GENERAL NOTE:

1. ALL EXTERIOR GLAZED UNITS SHALL BE INSULATED GLASS UNITS (1" THICK) W/ OUTSIDE FACE TEMPERED AND HIGH PERFORMANCE SOLARBAN 70, OR EQUAL AND INSIDE FACE CLEAR.
2. ALL INTERIOR GLAZED UNITS SHALL BE SINGLE PANE 1/4" CLEAR TEMPERED GLASS.

WINDOW TYPES:

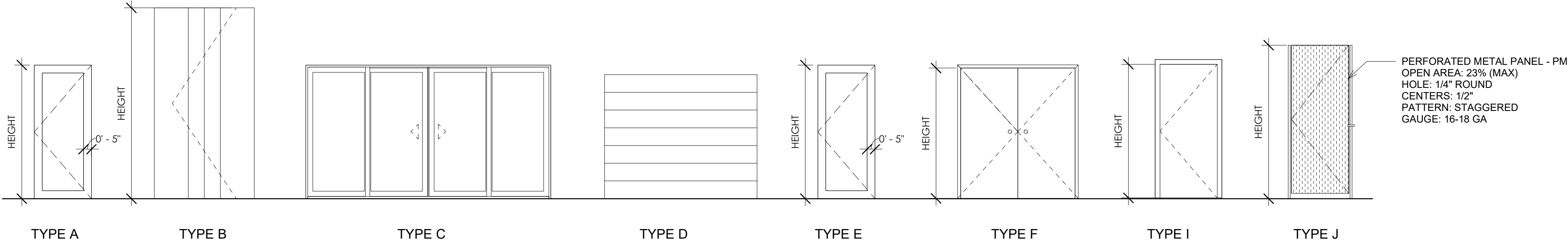


*SEE 6-A654 FOR DETAILS

WINDOW SCHEDULE

| MARK | TYPE | WIDTH | HEIGHT | FRAME MATERIAL | FRAME FINISH |
|------|------|---------|---------|----------------|--------------|
| 1 | A | 3' - 0" | 2' - 0" | AL | AN |
| 2 | A | 3' - 0" | 2' - 0" | AL | AN |
| 3 | A | 3' - 0" | 2' - 0" | AL | AN |
| 4 | A | 3' - 0" | 2' - 0" | AL | AN |
| 5 | A | 3' - 0" | 2' - 0" | AL | AN |
| 6 | B | 3' - 2" | 5' - 2" | AL | AN |
| 7 | C | 2' - 0" | 4' - 0" | AL | AN |
| 7 | C | 2' - 0" | 4' - 0" | AL | AN |
| 8 | A | 3' - 0" | 5' - 0" | AL | AN |
| 8 | A | 3' - 0" | 5' - 0" | AL | AN |
| 9 | D | 5' - 0" | 2' - 0" | AL | AN |
| 10 | D | 5' - 0" | 2' - 0" | AL | AN |
| 11 | B | 3' - 6" | 6' - 0" | AL | AN |
| 12 | B | 3' - 6" | 6' - 0" | AL | AN |
| 13 | B | 3' - 6" | 6' - 0" | AL | AN |
| 14 | B | 3' - 6" | 6' - 0" | AL | AN |
| 15 | B | 3' - 6" | 6' - 0" | AL | AN |
| 18 | D | 2' - 6" | 2' - 0" | AL | AN |
| 19 | D | 3' - 0" | 2' - 6" | AL | AN |
| 20 | B | 3' - 2" | 5' - 2" | AL | AN |
| 21 | B | 3' - 2" | 5' - 2" | AL | AN |
| 22 | B | 3' - 2" | 5' - 2" | AL | AN |
| 23 | B | 3' - 2" | 5' - 2" | AL | AN |
| 26 | C | 3' - 6" | 2' - 6" | AL | AN |
| 27 | C | 3' - 6" | 2' - 6" | AL | AN |
| 28 | C | 3' - 6" | 2' - 6" | AL | AN |
| 29 | C | 3' - 6" | 2' - 6" | AL | AN |
| 30 | C | 3' - 6" | 2' - 6" | AL | AN |
| 31 | A | 3' - 0" | 2' - 0" | AL | AN |
| 32 | A | 3' - 0" | 2' - 0" | AL | AN |
| 33 | A | 3' - 0" | 2' - 0" | AL | AN |
| 34 | A | 3' - 0" | 2' - 0" | AL | AN |

DOOR TYPES:



DOOR SCHEDULE NOTES:

1. MANUFACTURER: MODERCO EXCEL 741 SERIES OR EQUAL [COLOR TBD]
- MANUALLY-OPERATED INDIVIDUAL-PANEL MOVABLE PARTITION
 - 18 GA. WELDED STEEL FRAME
 - CLEAR-ANODIZED 6063-56 ALLOY ALUMINUM TRACK
 - WALL ATTACHMENT PER DOOR MFR RECCOMENDATION

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|-----------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT | EXPIRATION: |
| DATE COMPLETED: | | | |

Platt/Whitelaw
Architects, Inc.

4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104

CASA CASILLAS ARTIST SPACE
50 4TH AVENUE. CHULA VISTA, CA
DOOR & WINDOW SCHEDULES

RESPONSIBLE CHARGE OF WORK: NAVEEN H. WANNEY, AIA
Architect of Record

DATE:12/23/2022

APPROVED BY: [Signature]

DATE:---

DRAWING NO.
A-601

3

REVISION
BY / DATE
APPD / DATE

REFERENCES DWG. NO.:
CCV DWG No.15024

DESIGNED BY: ---
DRAWN BY: ---
CHECKED BY: ---

SCALE
HORIZONTAL: ---
VERTICAL: ---

DATUM
HORIZONTAL: ---
VERTICAL: ---

GENERAL SIGNAGE NOTES

1. DRAWINGS MAY NOT BE TO SCALE, AND ARE SCHEMATIC ONLY. PROVIDE ALL DESIGN AND ART WORK NECESSARY TO FABRICATE SIGNS PER SPECIFICATION SECTION **"SIGNAGE"**.

2. VERIFY ROOM AND SITE SIGN DESIGN, LOCATION AND TEXT WITH ARCHITECT AND **DISTRICT REPRESENTATIVE** BEFORE FABRICATION.

3. PER CBC CODE SECTION 1117B.5.2: FINISH AND CONTRAST. CHARACTERS, SYMBOLS AND THEIR BACKGROUNDS SHALL HAVE NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. CONTRAST BETWEEN CHARACTERS AND BACKGROUND SHALL BE AT LEAST 70%.

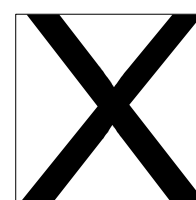
4. PER CBC CODE SECTION 1117B.5.3: PROPORTIONS. CHARACTER ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 AND 1:10.

5. PER CBC CODE SECTION 1117B.5.4: CHARACTER HEIGHT. CHARACTERS AND NUMBERS SHALL BE SIZED ACCORDING TO VIEWING DISTANCE. THE HEIGHT SHALL BE 3" MIN. IF SIGN IS OVER 80" A.F.F.


ALL LETTERS MEASURED MUST BE UPPERCASE. AFTER CHOOSING A TYPESTYLE TO TEST, BEGIN BY PRINTING THE LETTERS I, X AND O AT 1 INCH HIGH. PLACE THE TEMPLATE'S 1:1 SQUARE OVER THE X OR O, WHICHEVER IS NARROWER. IF THE CHARACTER IS NOT WIDER THAN 1 INCH, NOR NARROWER THAN THE 3:5 RECTANGLE, THE PROPORTIONS ARE CORRECT. USE 1:5 RECTANGLE TO SEE IF IT IS TOO NARROW, IF ALL THE TESTS ARE PASSED, THE TYPESTYLE IS COMPLIANT WITH PROPORTION CODE.

TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH-TO-HEIGHT PROPORTIONS:


1"



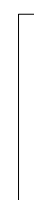
1:1
100%



3:5
60%



1:5
20%



1:10
10%

CHARACTER WIDTH

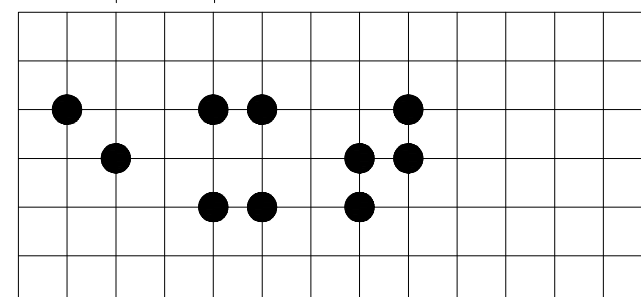
STROKE WIDTH

6. PER CBC CODE SECTION 1117.5.5: RAISED CHARACTERS AND PICTORIAL SYMBOL SIGNS. CHARACTER ON SIGNS TO BE RAISED 1/32 INCH MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED (GRADE 2) BRAILLE COMPLYING WITH 1117B.5.6. RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH AND A MAXIMUM OF 2 IN. HIGH, SPACE BETWEEN LINES OF TEXT SHALL BE 1/4 INCH U.O.N. PICTORIAL SYMBOL SIGNAGE WITH VERBAL DESCRIPTION DIRECTLY BELOW PICTOGRAM. THE PICTOGRAM FIELD SHALL BE 6" MIN. CHARACTER AND BRAILLE PLACEMENT SHALL BE HORIZONTAL WITH THE BRAILLE PLACED 3/8" MIN. AND 1/2" MAX. BELOW TACTILE CHARACTERS SET FLUSH LEFT OR CENTERED.

7. PER CBC CODE SECTION 1117B.5.6: BRAILLE. CONTRACTED (GRADE 2) BRAILLE SHALL BE USED WHEREVER BRAILLE IS SHOWN ON THE DRAWINGS. DOTS SHALL BE 1/10 INCH ON CENTERS IN EACH CELL WITH 2/10-INCH SPACE BETWEEN CELLS, MEASURED FROM SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH ABOVE THE BACKGROUND.

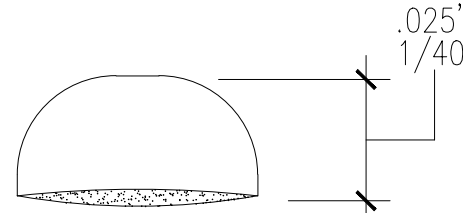
BRAILLE CELL

INTER-CELL SPACING=2/10"



INTER-CELL SPACING WITHIN A CELL=1/10" (VERTICAL OR HORIZONTAL)

BRAILLE DOT



ROUNDED DOT (ACCEPTABLE)

SQUARE DOT (NOT ACCEPTABLE)

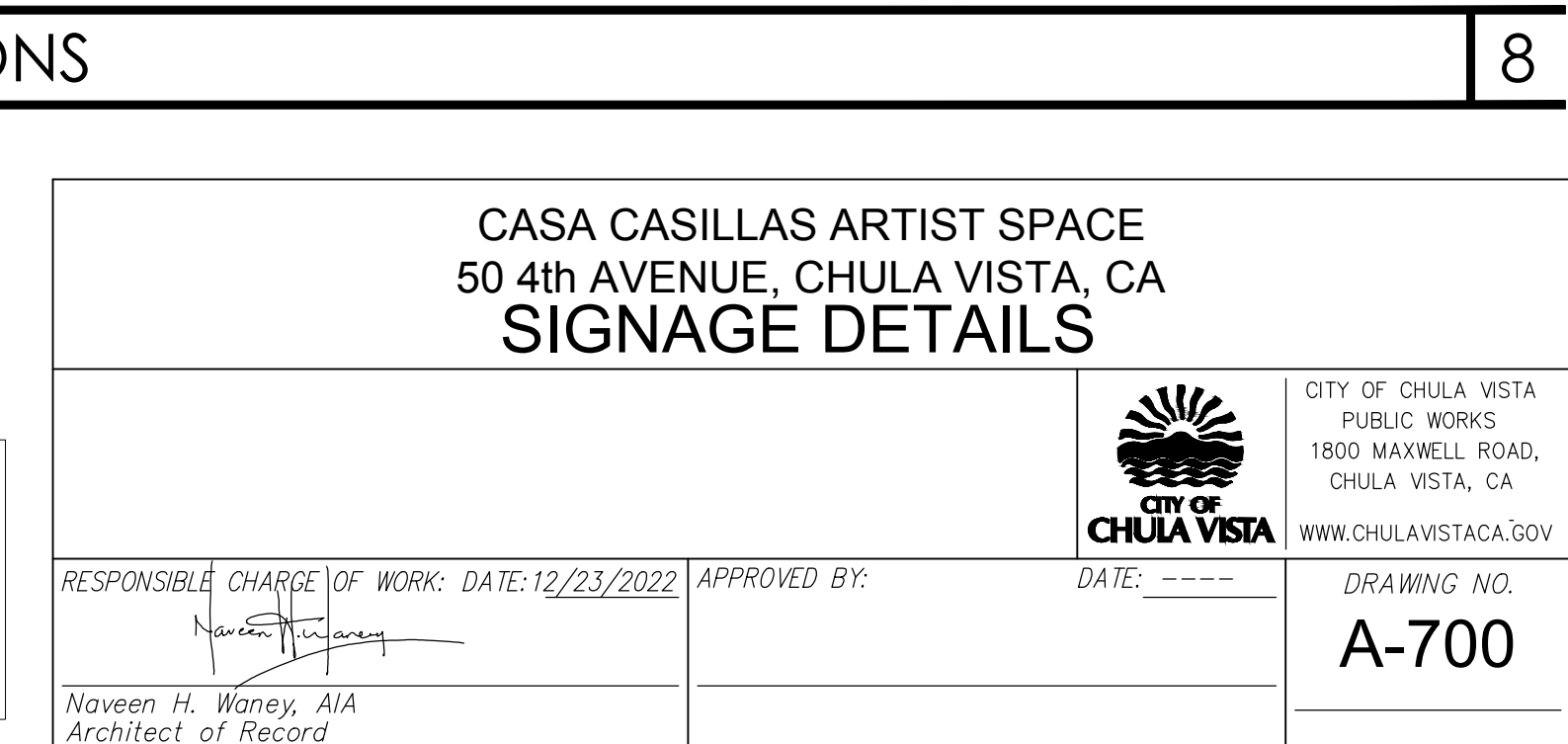
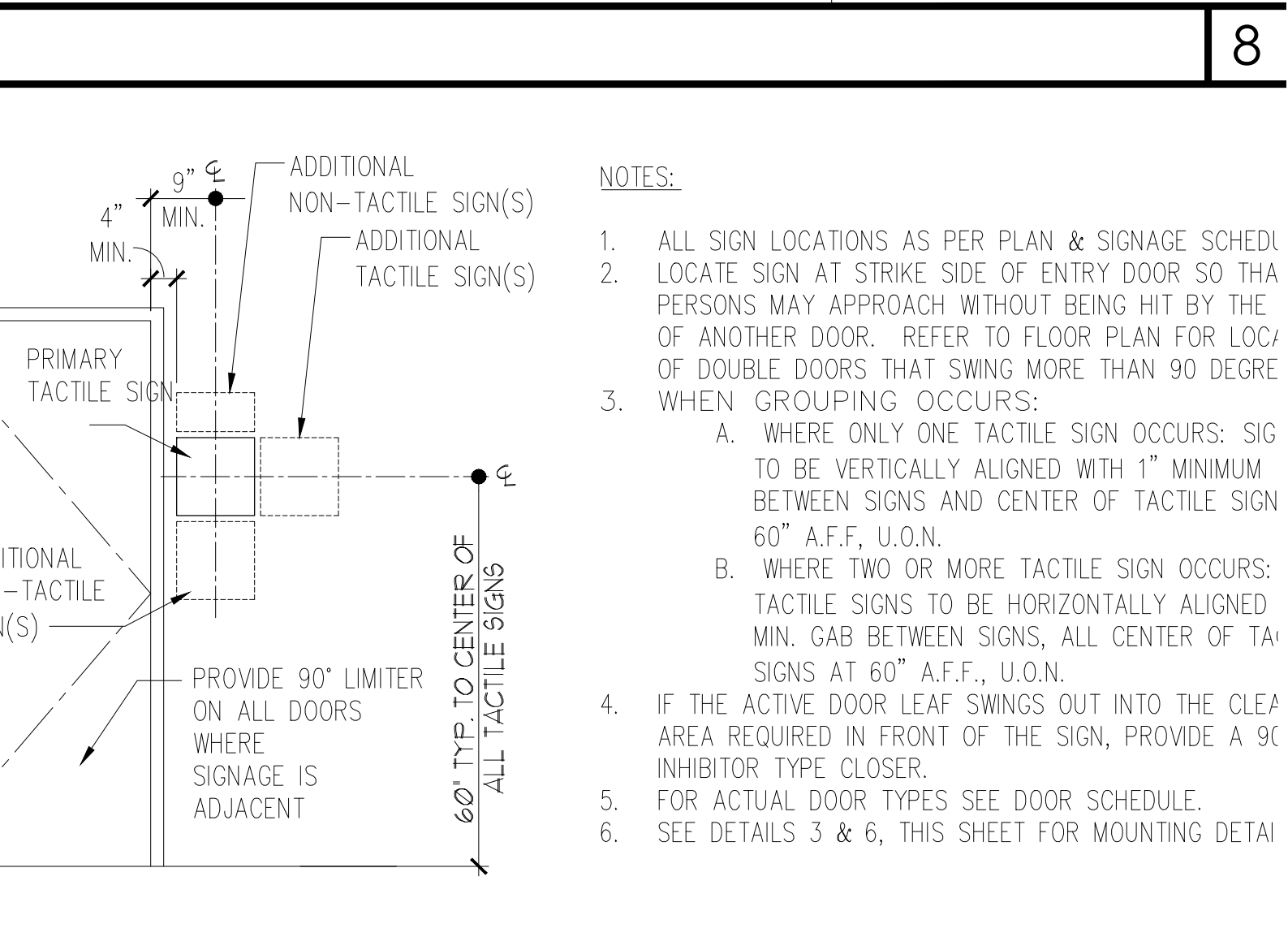
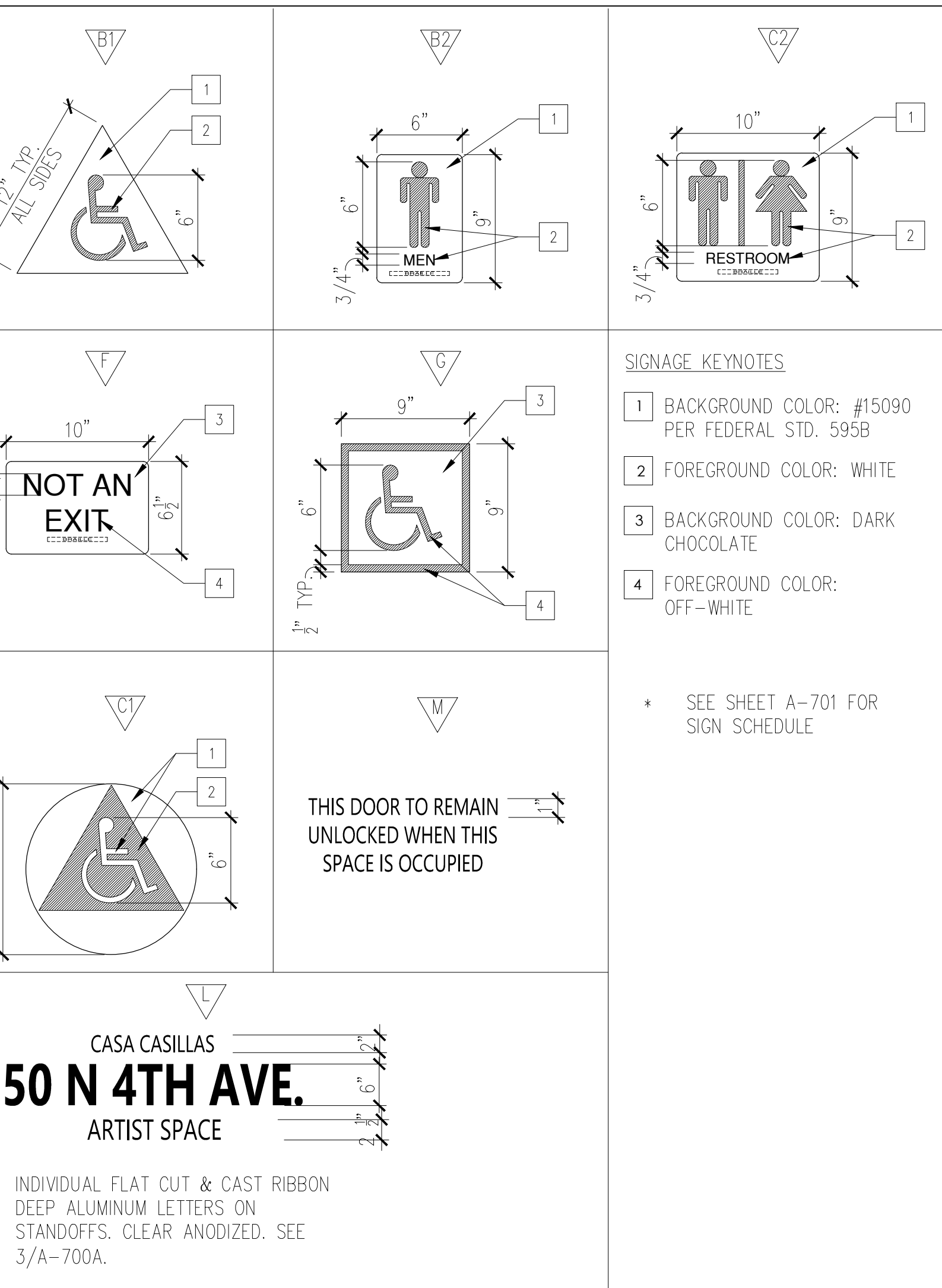
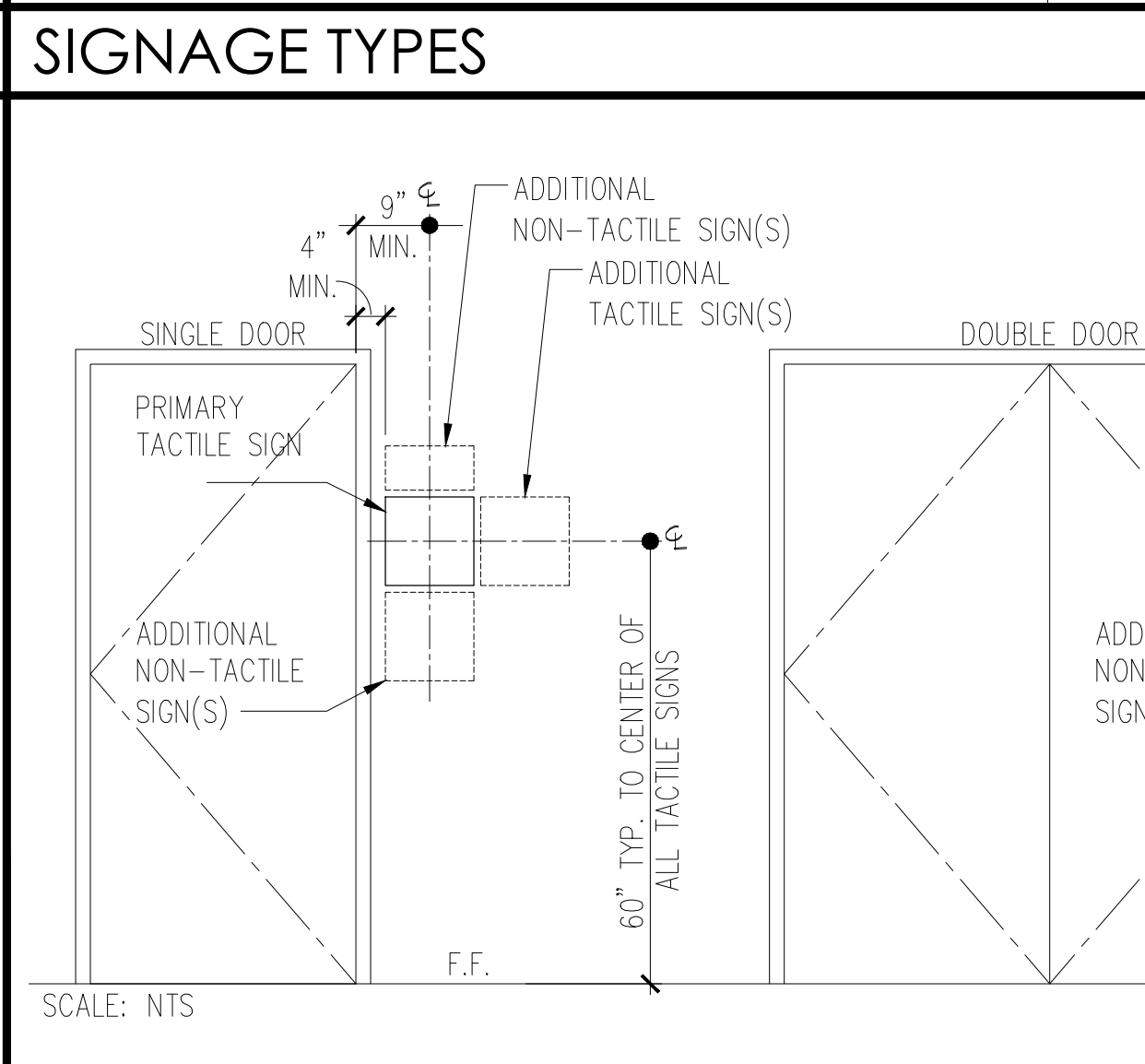
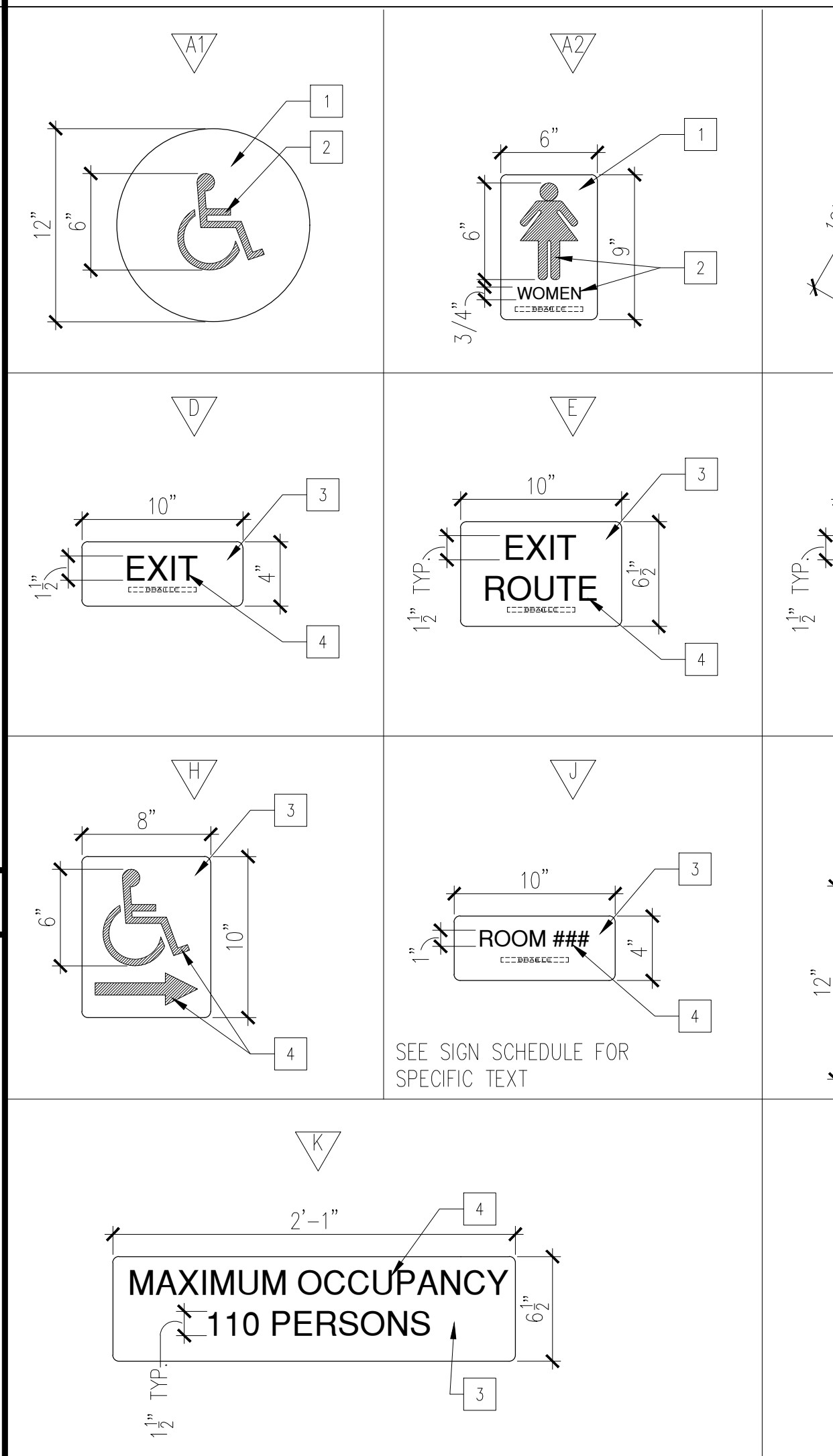
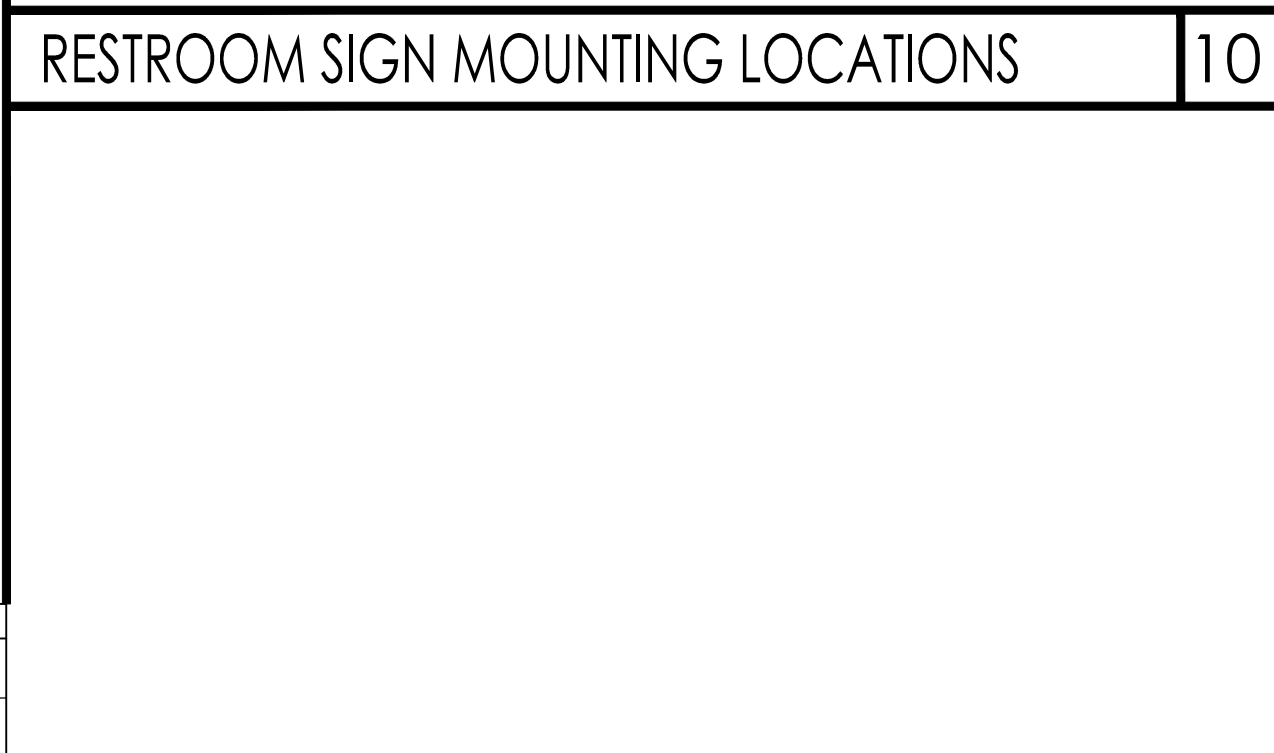
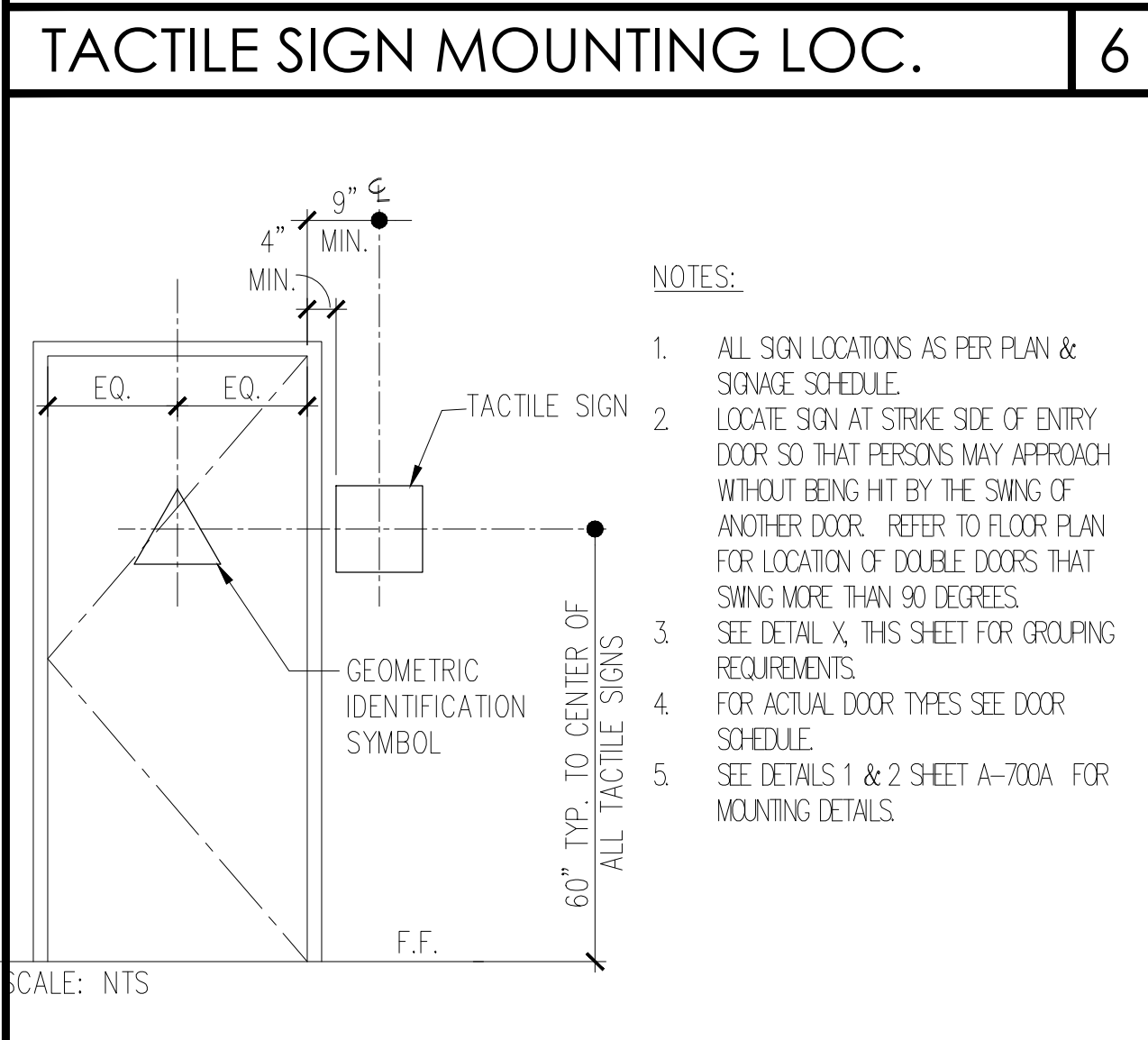
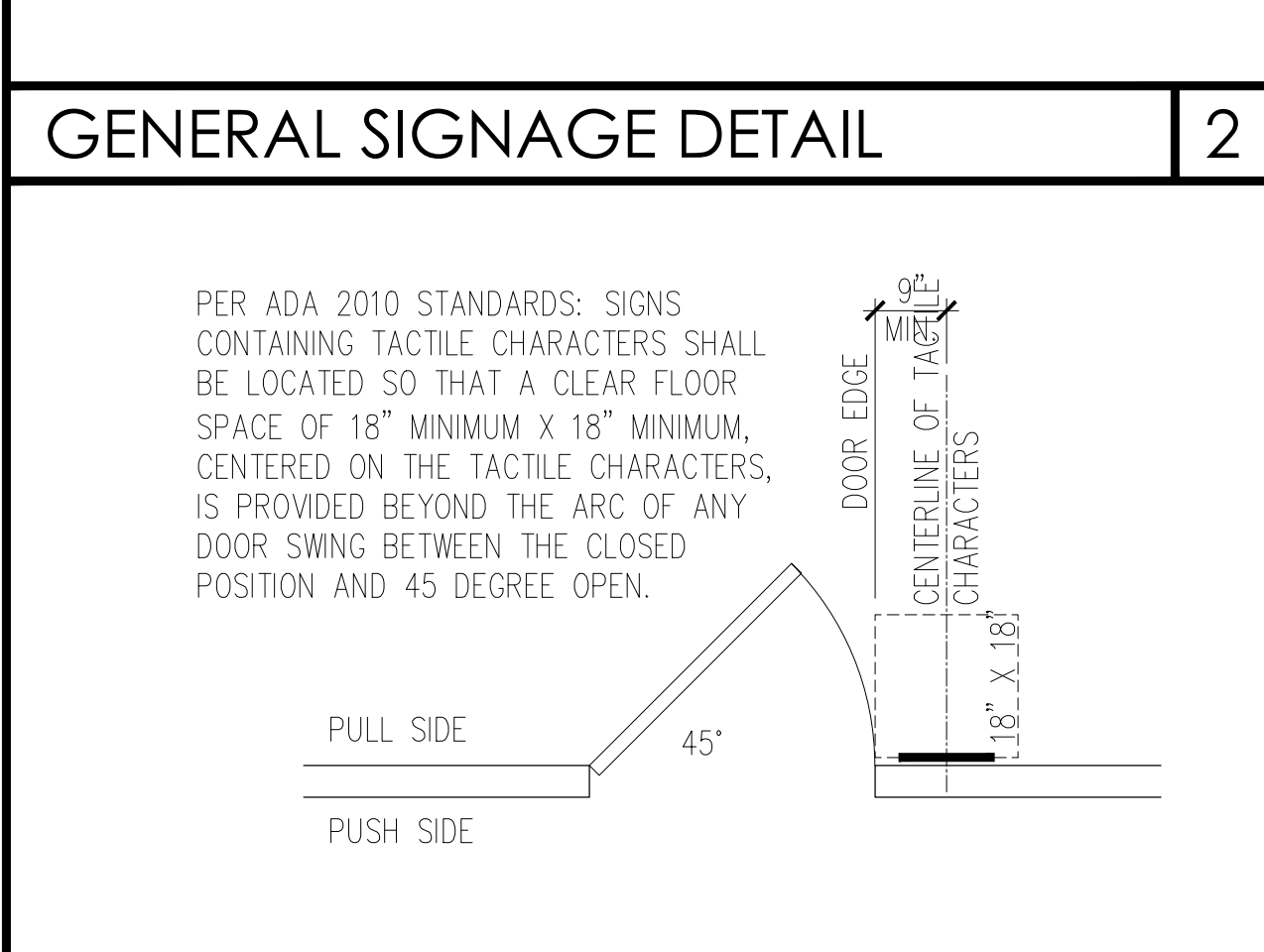
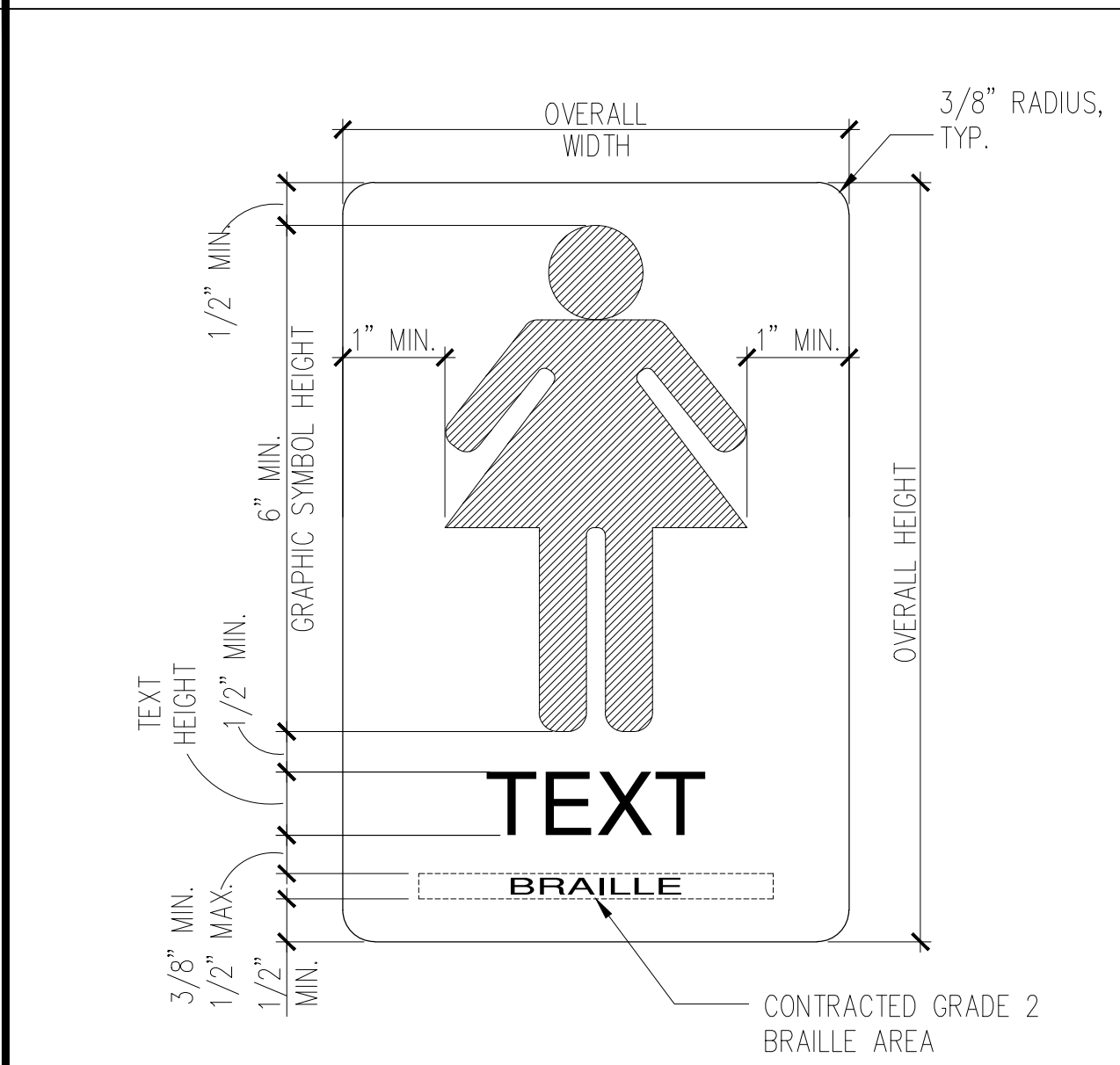
RECOMMEND ROUNDED OR DOMED CALIFORNIA BRAILLE DOTS, EACH DISTINCT AND SEPARATE. DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE NOT READABLE FOR MANY BRAILLE USERS.

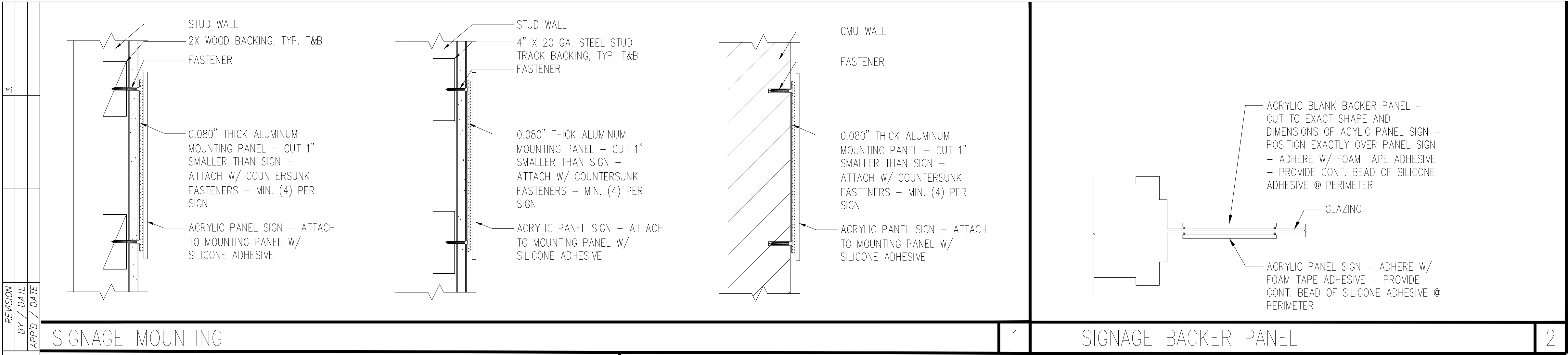
8. PER CBC CODE SECTION 1117B.5.7: MOUNTING LOCATION AND HEIGHT. PERMANENT IDENTIFICATION SIGNS FOR ROOMS AND SPACES SHALL BE INSTALLED ON THE LATCH SIDE OF THE DOOR. IF THIS SPACE CANNOT BE USED, MOUNT SIGNS ON CLOSEST WALL ON THE APPROACH SIDE OF THE DOOR. WHEN SIGN IS MOUNTED AT HINGE SIDE OF DOORS, PROVIDE 90 DEGREE LIMIT DEVICE FOR DOOR OPENING. MOUNT SIGNS AT PAIRS OF DOORS AT THE RIGHT SIDE OF THE DOOR. MOUNT SIGN WITH CENTER LINE OF SIGNS AT 60" A.F.F. AND SO THAT A PERSON MAY APPROACH WITHIN 3 INCHES OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.

9. PER CBC CODE SECTION 1117B.5.8: SYMBOLS OF ACCESSIBILITY. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USEABLE BY PHYSICALLY DISABLED PERSONS. THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN THE FEDERAL STANDARD 595B. ALTERNATIVE COLORS MAY BE USED UPON PRIOR APPROVAL FROM ENFORCEMENT AGENCY.

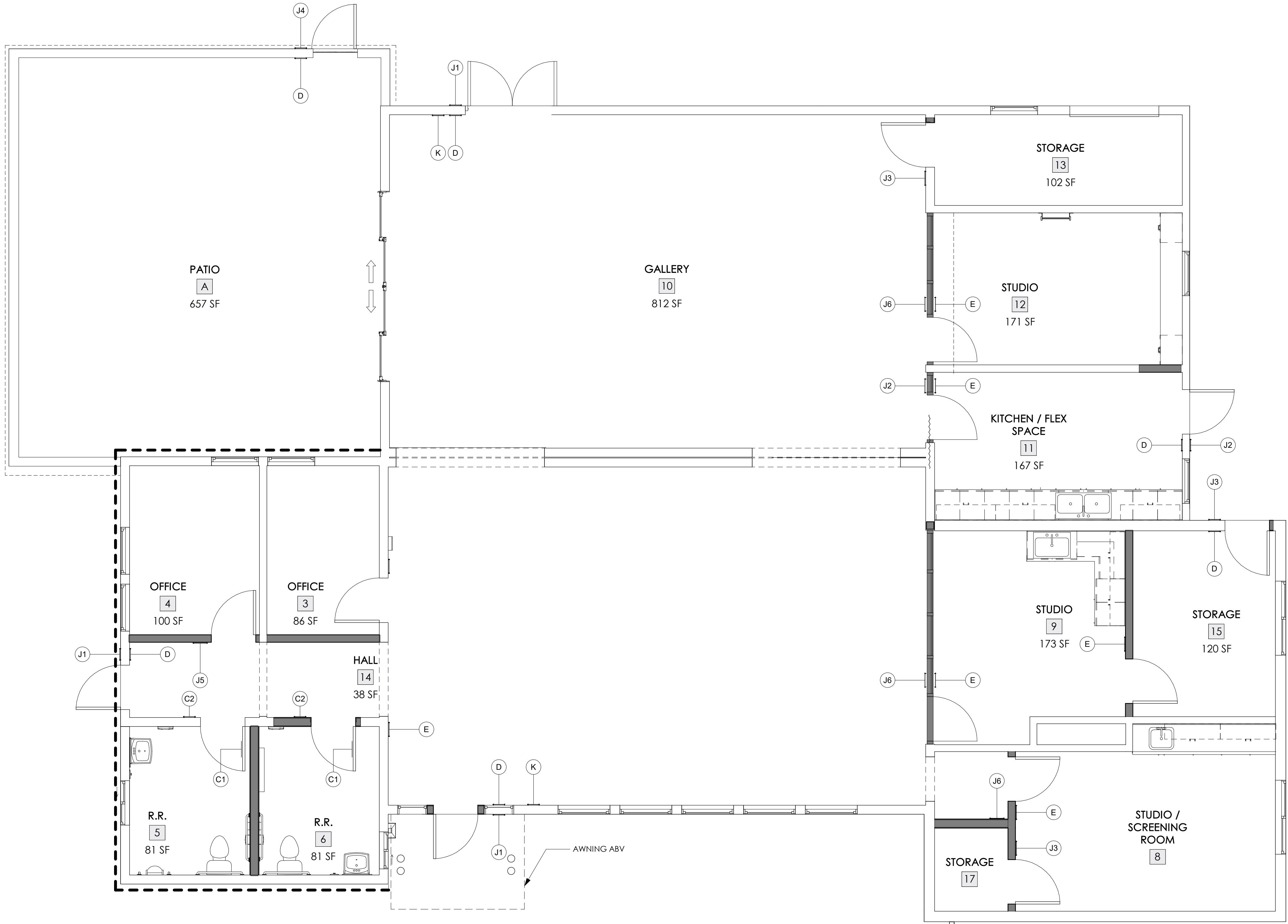
10. PER CBC SECTION 1117B.5.8.1.2: ENTRANCE SIGN. ALL ACCESSIBLE ENTRANCES SHALL BE IDENTIFIED WITH A MINIMUM OF ONE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND DIRECTIONAL SIGNS UTILIZING THE SYMBOL WHERE ACCESSIBLE ROUTE OF TRAVEL DIVERGES FROM REGULAR CIRCULATION PATH.

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|-------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT.: | EXPIRATION: |
| DATE COMPLETED: | | | |





| | | | |
|---|----|----------------------|--|
| 3. | 2. | REVISION | |
| | | BY / DATE | |
| | | APPD / DATE | |
| | | REFERENCES DWG. NO.: | |
| | | MB | |
| | | CCV DWG No. 15024 | |
| | | GT | |
| | | SCALE | |
| | | DESIGNED BY: | |
| | | DESIGNED BY: | |
| DATUM | | | |
| HORIZONTAL: CGS '83 ZONE 6, EPOCH 1991.35 | | | |
| VERTICAL: NAVD88 | | | |



1 SIGNAGE PLAN
1/4" = 1'-0"

| | | | |
|---------------------|---------------|-----------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT | EXPIRATION: |
| DATE COMPLETED: | | | |

Platt/Whitelaw
Architects, Inc.

4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104



| | | | |
|---|--|------------------|--------------|
| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE, CHULA VISTA, CA SIGNAGE PLAN AND SCHEDULE | | | |
| RESPONSIBLE CHARGE OF WORK: | | DATE: 12/23/2022 | APPROVED BY: |
| NAVEEN H. WANNEY, AIA Architect of Record | | | |
| DRAWING NO. | | A-701 | |

[illegible]

| WOOD FRAMING FASTENING SCHEDULE (2019 CBC TABLE 2304.10.1) | | | | | | | | | |
|---|--|--|---|---|--|---|--|--|--|
| BUILDING ELEMENT | | | FASTENERS | | | SPACING AND LOCATION | | | |
| ROOF | | | | | | | | | |
| | | | 1A. BLOCKING BETWEEN CEILING JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRAMING BELOW | (3) 8d COMMON (2 1/2" x 0.131"); OR (3) 10d BOX (3" x 0.128"); OR (3) 3" x 0.131" NAILS | | TOENAIL EACH END | | | |
| | | | 1B. BLOCKING BETWEEN RAFTERS OR TRUSS NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS | (2) 8d COMMON (2 1/2" x 0.131"); OR (2) 3" x 0.131" NAILS (2) 16d COMMON (3 1/2" x 0.162"); OR (3) 3" x 0.131" NAILS | | TOENAIL EACH END END NAIL EACH END | | | |
| | | | 2. CEILING JOISTS TO TOP PLATE | (3) 8d COMMON (2 1/2" x 0.131"); OR (3) 10d BOX (3" x 0.128"); OR (3) 3" x 0.131" NAILS | | TOENAIL EACH JOIST | | | |
| | | | 3. CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS (NO THRUST) (CBC 2308.7.3.1, TABLE 2308.7.3.1) | (3) 16d COMMON (3 1/2" x 0.162"); OR (4) 10d BOX (3" x 0.128"); OR (4) 3" x 0.131" NAILS | | FACE NAIL | | | |
| REVISION BY / DATE APPD / DATE | | | 6. RAFTER OR ROOF TRUSS TO TOP PLATE (CBC 2308.7.5, TABLE 2308.7.5) | (3) 10d COMMON (3" x 0.148"); OR (3) 16d BOX (3 1/2" x 0.135"); OR (4) 10d BOX (3" x 0.128"); OR (4) 3" x 0.131" NAILS | | TOENAIL ^C | | | |
| | | | | (2) 16d COMMON (3 1/2" x 0.162"); OR (3) 10d BOX (3" x 0.128"); OR (3) 3" x 0.131" NAILS | | END NAIL | | | |
| REFERENCES DIM. NO. - CCV DIM No.15024 | | | 7. ROOF RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS; OR ROOF RAFTER TO 2" RIDGE BEAM | (3) 10d COMMON (3" x 0.148"); OR (4) 16d BOX (3 1/2" x 0.135"); OR (4) 10d BOX (3" x 0.128"); OR (4) 3" x 0.131" NAILS | | TOENAIL | | | |
| | | | | WALL | | | | | |
| | | | 8. STUD TO STUD (NOT AT BRACED WALL PANELS) | 16d COMMON (3 1/2" x 0.162"); 10d BOX (3" x 0.128"); OR 3" x 0.131" NAILS | | 24" OC FACE NAIL 16" OC FACE NAIL | | | |
| | | | 9. STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS) | 16d COMMON (3 1/2" x 0.162"); 16d BOX (3 1/2" x 0.135"); OR 3" x 0.131" NAILS | | 24" OC FACE NAIL 12" OC FACE NAIL 12" OC FACE NAIL | | | |
| DESIGNED BY: --- DRAWN BY: --- CHECKED BY: --- | | | 11. CONTINUOUS HEADER TO STUD | (4) 8d COMMON (2 1/2" x 0.131"); OR (4) 10d BOX (3" x 0.128") | | TOENAIL | | | |
| | | | 12. TOP PLATE TO TOP PLATE | 16d COMMON (3 1/2" x 0.162"); OR 10d BOX (3" x 0.128"); OR 3" x 0.131" NAILS | | 16" OC FACE NAIL 12" OC FACE NAIL | | | |
| SCALE HORIZONTAL: --- VERTICAL: --- | | | 13. TOP PLATE TO TOP PLATE, AT END JOINTS | (8) 16d COMMON (3 1/2" x 0.162"); OR (12) 10d BOX (3" x 0.128"); OR (12) 3" x 0.131" NAILS | | EACH SIDE OF END JOINT, FACE NAIL (24" MIN LAP SPLICE LENGTH EACH SIDE OF END JOINT) | | | |
| | | | 14. BOTTOM PLATE TO JOIST, RM JOIST, BAND JOIST OR BLOCKING (NOT AT BRACED WALL PANELS) | 16d COMMON (3 1/2" x 0.162"); OR 16d BOX (3 1/2" x 0.135"); OR 3" x 0.131" NAILS; OR 3" 14 GAGE STAPLES, 7/16" CROWN | | 16" OC FACE NAIL 12" OC FACE NAIL | | | |
| | | | 15. BOTTOM PLATE TO JOIST, RM JOIST, BAND JOIST OR BLOCKING AT BRACED WALL PANELS | (2) 16d COMMON (3 1/2" x 0.162"); OR (3) 16d BOX (3 1/2" x 0.135"); OR (4) 3" x 0.131" NAILS; OR (4) 3" 14 GAGE STAPLES, 7/16" CROWN | | 16" OC FACE NAIL | | | |
| DATUM HORIZONTAL: --- VERTICAL: --- | | | 16. STUD TO TOP OR BOTTOM PLATE | (4) 8d COMMON (2 1/2" x 0.131"); OR (4) 10d BOX (3" x 0.128"); OR (4) 3" x 0.131" NAILS; OR (4) 3" 14 GAGE STAPLES, 7/16" CROWN | | TOENAIL | | | |
| | | | | (2) 16d COMMON (3 1/2" x 0.162"); OR (3) 10d BOX (3" x 0.128"); OR (3) 3" x 0.131 NAILS; OR (3) 3" 14 GAGE STAPLES, 7/16" CROWN | | END NAIL | | | |
| | | | 17. TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS | (2) 16d COMMON (3 1/2" x 0.162"); OR (3) 10d BOX (3" x 0.128"); OR (3) 3" x 0.131 NAILS; OR (3) 3" 14 GAGE STAPLES, 7/16" CROWN | | FACE NAIL | | | |
| | | | 19. 1" x 6" SHEATHING TO EACH BEARING | (2) 8d COMMON (2 1/2" x 0.131"); OR (2) 10d BOX (3" x 0.128") | | FACE NAIL | | | |

| DESIGNED BY: | DRAWN BY: | CHECKED BY: | SCALE | DATE |
|--------------|-----------|-------------|----------------------------------|------|
| | | | | |
| --- | --- | --- | HORIZONTAL: --- VERTICAL: --- | --- |

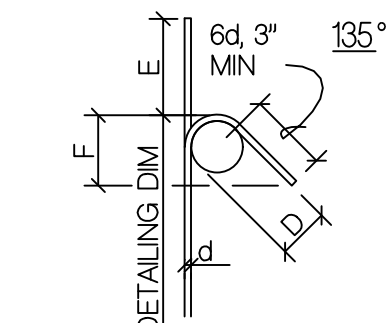
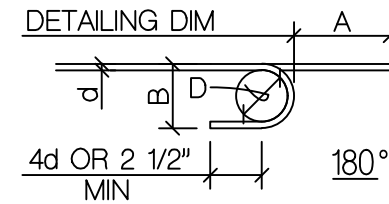
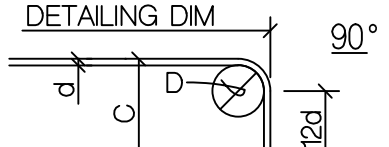
| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|-------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT.: | EXPIRATION: |
| DATE COMPLETED: | | | |

| LUMBER SCHEDULE | | |
|---|------------------------------------|--|
| MEMBER | SPECIES | GRADE |
| 2x4 STUDS, PLATES, STRIPPING, MISC CONCEALED FRAMING, BLKG, & FIRE STOPPING | DOUGLAS FIR/LARCH | CONSTRUCTION GRADE (NO 1 FOR STUDS OVER 10'-0" HIGH) |
| SILLS ON CONCRETE OR MASONRY | PRESSURE TREATED DOUGLAS FIR/LARCH | NO 2 |
| POSTS 5x6 & LARGER | DOUGLAS FIR/LARCH | NO 1 POSTS & TIMBERS |
| 2x AND 3x (LARGER THAN 4" WIDE) STUDS, PLATES, JOISTS AND RAFTERS | DOUGLAS FIR/LARCH | NO 2 |
| ALL 4x DIMENSIONED LUMBER | DOUGLAS FIR/LARCH | NO 1 |
| BEAMS & STRINGERS 5x6 AND LARGER | DOUGLAS FIR/LARCH | NO 1 BEAMS & STRINGERS |
| GLUE-LAMINATED TIMBER | DOUGLAS FIR/LARCH | 24F-V4 |
| WALL SHEATHING, NON-SHEAR WALLS | PER MANUFACTURER | APA RATED SHEATHING (PS 1 OR PS 2) EXPOSURE 1 MIN SPAN RATING = 24/0 |
| WALL SHEATHING, SHEAR WALLS | PER MANUFACTURER | APA STRUCTURAL I (PS 1 OR PS 2), EXPOSURE 1 MIN SPAN RATING = 24/0 |

| STRUCTURAL ABBREVIATIONS | | | | | |
|---|---|--|---|---|---|
| & # ABV ADDL ALT ALUM ANCH APPROX AR ARCH ASSY BEL BLDG BLK BLKG BM BN BOT BOIT BRG BTWN CANT CBC | AND AT POUND(S), NUMBER ANCHOR BOLT ABOVE ADDITIONAL ALTERNATE ALUMINUM ANCHOR APPROXIMATELY ANCHOR ROD ARCHITECTURAL ASSEMBLY BELOW BUILDING BLOCK BLOCKING BEAM BOUNDARY NAILING BOTTOM BOTTOM BEARING BETWEEN CANTILEVER CALIFORNIA BUILDING CODE | FND FOC FOM FOS FRMG FT FTG FV GAGE GALV GLB GR GSN | FOUNDATION FACE OF CONCRETE FACE OF MASONRY FACE OF STUD FRAMING FOOT FOOTING FIELD VERIFY ANCHOR GLUE-LAMINATED BEAM GRADE GENERAL | PC PCO PL PT PTDF PVC PE PERP PLF PSF PSI | PRECAST CONCRETE PORTLAND CEMENT CONCRETE PLATE PRESSURE TREATED PRESSURE TREATED DOUGLAS FIR POLYVINYL CHLORIDE POLYETHYLENE PERPENDICULAR POUNDS PER LINEAL FOOT POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH |
| OP CJ CL CLG CLR CMU | CAST-IN-PLACE CONSTRUCTION JOINT CENTER LINE CEILING CLEAR CONCRETE MASONRY UNIT | HT ID INSP INT JST JT JB LBS LG LDH | HEIGHT INSIDE DIAMETER INSPECTION INTERIOR, INTERNAL JOIST JOINT POUND POUNDS LONG LONG DIMENSION | SCHE SCW SHT SHTG SIM SMS SOG SP SPCG SPEC SQ SS | SCHEDULE SCREW SHEET SHEATHING SIMILAR SHEET METAL SCREW SLAB ON GRADE SPECIAL SPACING SPECIFICATION SQUARE STAINLESS STEEL |
| COL CONC CONN CONST CONT CS CTR DBL DET DIA DIAG DM DO DWG DWL (E) EA EF EJ EL ELEV EMB EMBED EN EQ ETC EW EXIST EXP EXT FF FG FIN FLR FN | COLUMN CONCRETE CONNECTION CONSTRUCTION CONTINUOUS CARBON STEEL CENTER DOUBLE DETAIL DIAMETER DIAGONAL DIMENSION DITTO DRAWING DOWEL EXISTING EACH EACH FACE EXPANSION JOINT ELEVATION ELEVATION EMBEDMENT EMBEDMENT EDGE/END NAILING EQUAL ET CETERA EACH WAY EXISTING EXPANSION EXTERIOR FINISH FLOOR FINISH GRADE FINISH FLOOR FIELD NAILING | LDV LONG LSL LW DET MAX MECH MEZZ MF MFR MIN MISC MO MTL N/A NOC NO NTS NW OC OD OFCI OFOI OH OPN OPNG ORG OWJ PAF | LONG DIMENSION VERTICAL LONGITUDINAL LAMINATED STRAND LUMBER LIGHTWEIGHT MATERIAL MAXIMUM MECHANICAL MEZZANINE MOMENT FRAME MANUFACTURER MINIMUM MISCELLANEOUS MASONRY OPENING METAL NOT APPLICABLE NOT IN CONTRACT NUMBER NOT TO SCALE NORMAL WEIGHT ON CENTER OUTSIDE DIAMETER OWNER FURNISHED, CONTRACTOR OWNER FURNISHED, CONTRACTOR OWNER FURNISHED, CONTRACTOR OWNER FURNISHED, CONTRACTOR OPPOSITE HAND OPEN OPENING ORIGINAL OPEN WEB JOIST POWER ACTUATED FASTENER(S) | STD STIFF STL STRUC SYMM T&B T&G THD THK THR THRU TN TOR TP TRANSV TYP UON VAR VFOI VFI VIF W WP WPJ WS WSHR WT | STANDARD STIFFENER STEEL STRUCTURAL SYMMETRICAL TOP AND BOTTOM TONGUE AND GROOVE THREAD(ED) THICKNESS THREAD(ED) THROUGH TOE NAIL TOP OF ROOF TOP OF PANEL TRANSVERSE TYPICAL UNLESS OTHERWISE NOTED VARIES VENDOR FURNISHED, CONTRACTOR VENDOR FURNISHED, CONTRACTOR VENDOR FURNISHED, CONTRACTOR VENDOR FURNISHED, CONTRACTOR VERTICAL VERIFY IN FIELD WITH WATERPROOFING WORKING POINT WEAKENED PLANE JOINT WATERSTOP WASHER WEIGHT |

| DIMENSION TABLE FOR 90° AND 180° HOOKS | | | | |
|--|------|--------|------|--------|
| BAR SIZE | A IN | B IN | C IN | D IN |
| #3 | 5 | 3 | 6 | 2 1/4 |
| #4 | 6 | 4 | 8 | 3 |
| #5 | 7 | 5 | 10 | 3 3/4 |
| #6 | 8 | 6 | 12 | 4 1/2 |
| #7 | 10 | 7 | 14 | 5 1/4 |
| #8 | 11 | 8 | 16 | 6 |
| #9 | 15 | 11 3/4 | 19 | 9 1/2 |
| #10 | 17 | 13 1/4 | 22 | 10 3/4 |
| #11 | 19 | 14 3/4 | 24 | 12 |

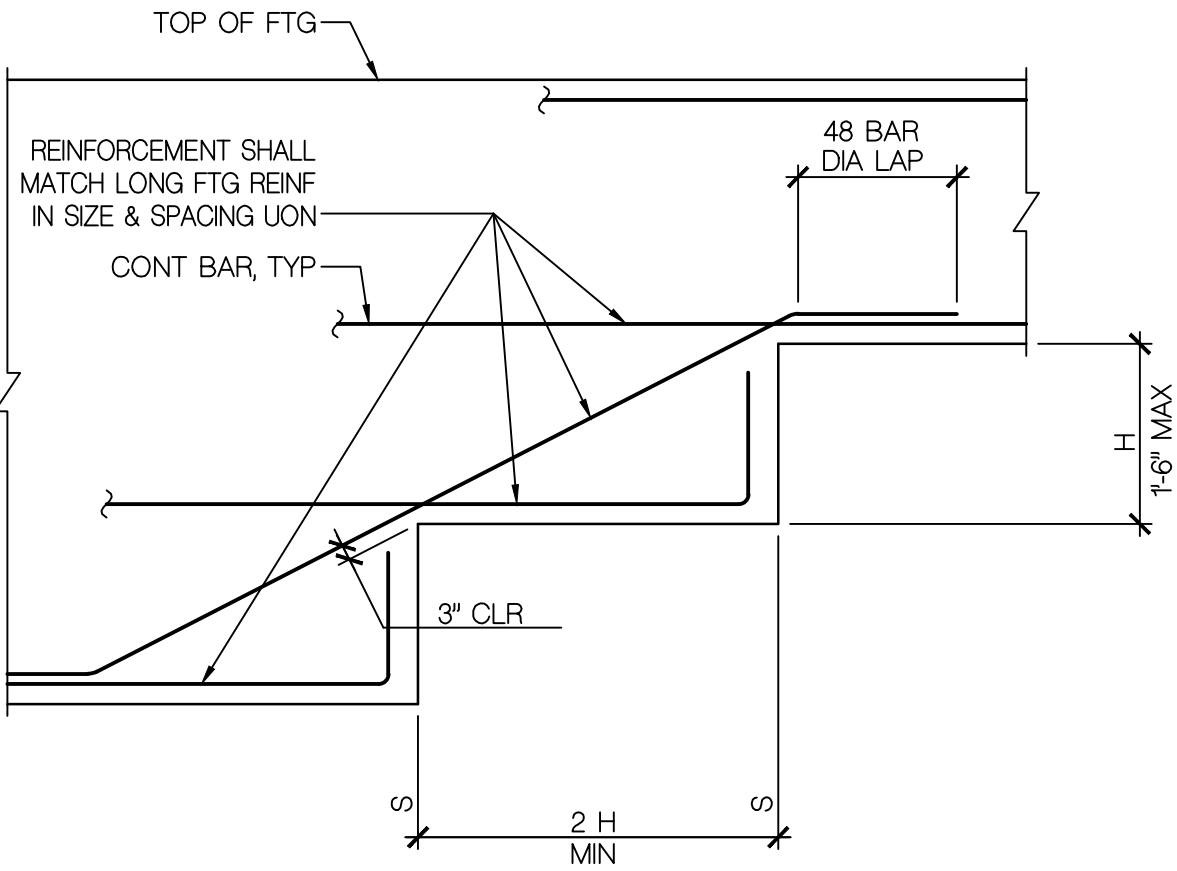
| DIMENSION TABLE FOR 135° HOOKS | | | | |
|--------------------------------|-------|-------|-------|--|
| BAR SIZE | D IN | E IN | F IN | |
| #3 | 1 1/2 | 4 1/4 | 2 1/2 | |
| #4 | 2 | 4 1/2 | 3 | |
| #5 | 2 1/2 | 5 1/2 | 3 3/4 | |
| #6 | 4 1/2 | 8 | 4 1/2 | |



NOTE:
UNLESS OTHERWISE NOTED, THESE DIMENSIONS SHALL BE USED FOR ALL INDICATED HOOKS.

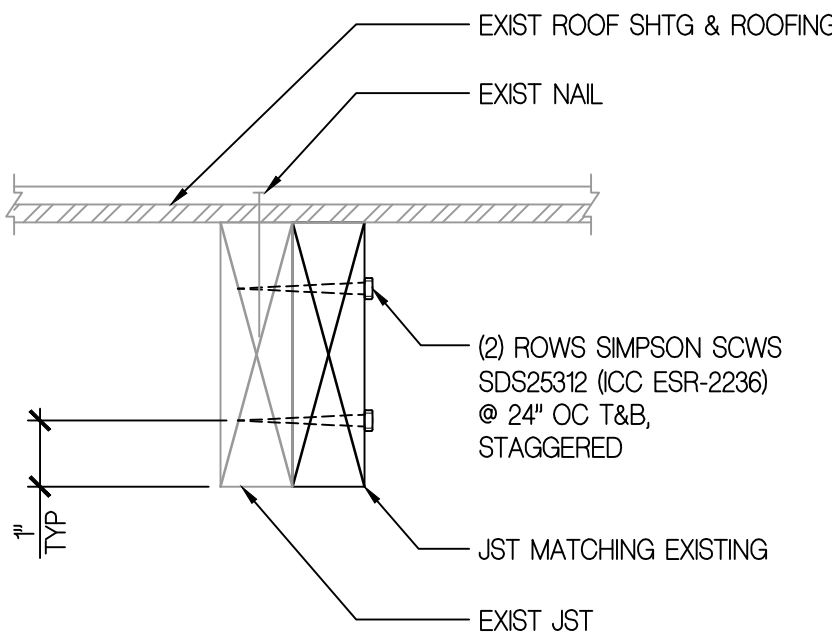
TYPICAL HOOKS IN REINFORCING BARS

SCALE: NONE



TYPICAL STEPPED FOOTING DETAIL

SCALE: NONE

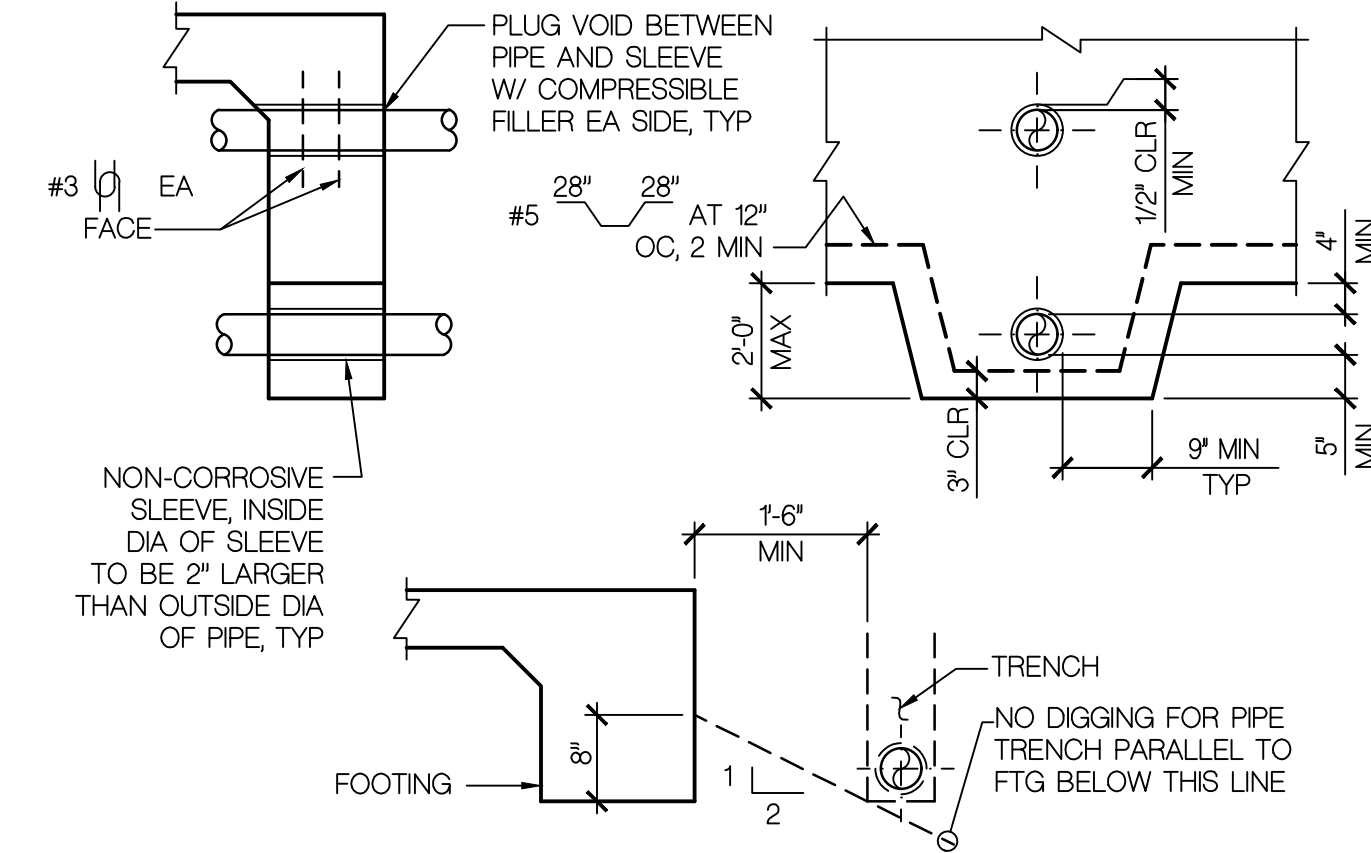


TYPICAL JOIST SISTERING DETAIL

SCALE: NONE

TYPICAL NON-BEARING WALL AT CONCRETE SLAB-ON-GRADE

SCALE: NONE



NOTE:
WHERE PPES OR CONDUITS ARE MORE THAN 24" BELOW BOTTOM OF FOOTING, STEP DOWN FOOTING PER DETAIL 3 THIS SHEET TO CAPTURE PIPES OR CONDUITS.

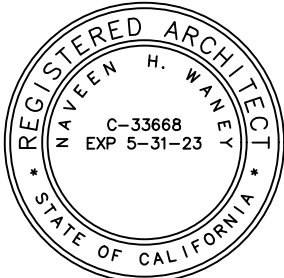
TYPICAL FOOTING AT PIPES OR CONDUITS

SCALE: NONE

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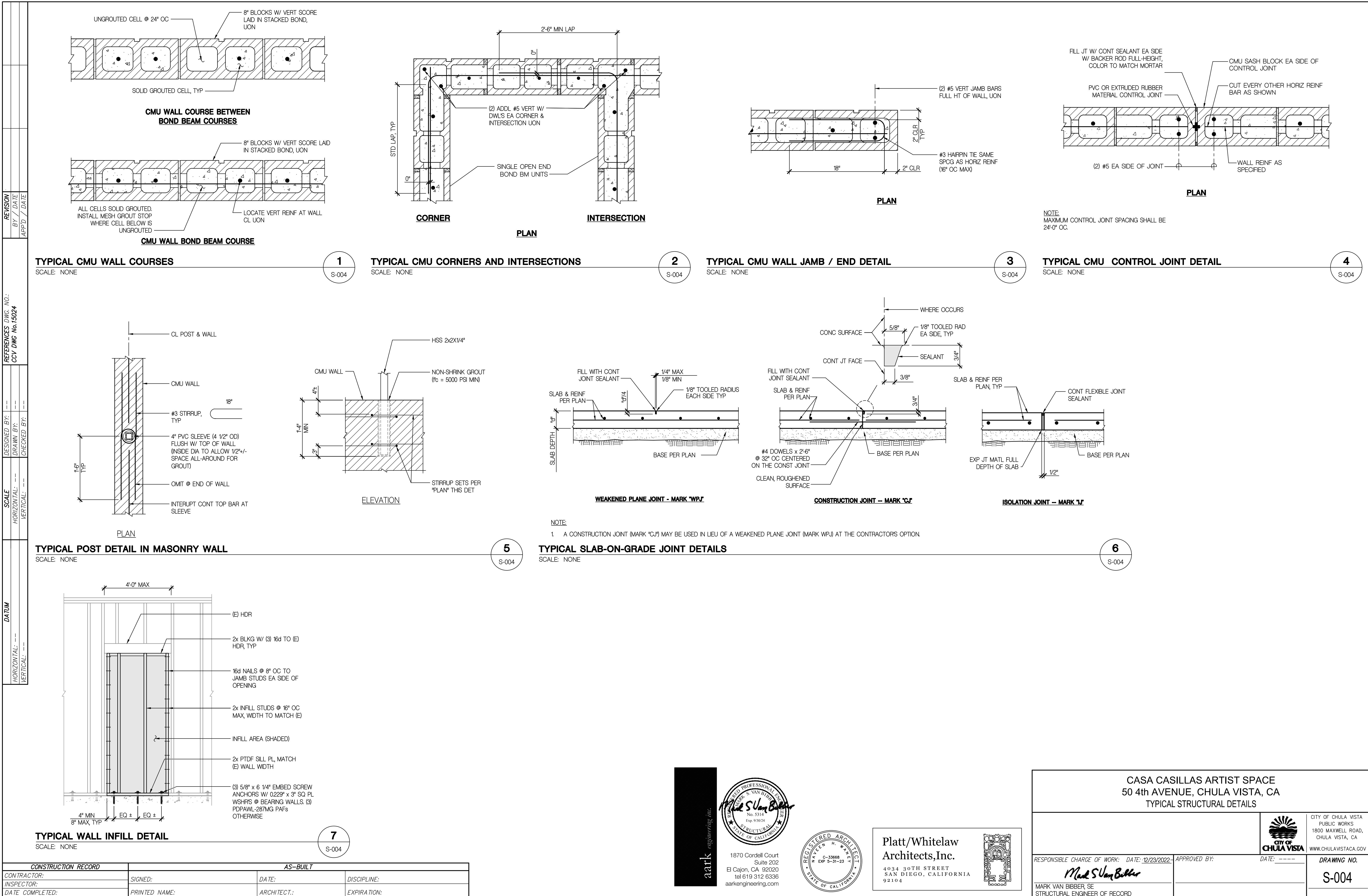
CASA CASILLAS ARTIST SPACE
50 4th AVENUE, CHULA VISTA, CA
STRUCTURAL SCHEDULES, ABBREVIATIONS & TYPICAL DETAILS

| | | | |
|--|--|------------------------|--|
| RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022 | | APPROVED BY: DATE: --- | |
| MARK VAN BIBBER, SE STRUCTURAL ENGINEER OF RECORD | | DRAWING NO. S-002 | |

| | | | |
|---------------------|---------------|-------------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | | | |
| DATE COMPLETED: | PRINTED NAME: | ARCHITECT.: | EXPIRATION: |

MARK VAN BIBBER, SE
STRUCTURAL ENGINEER OF RECORD

S-003



| | | | | | | |
|----------|-----------|--------------|--|--------------|-----------------|-----------------|
| REVISION | BY / DATE | APP'D / DATE | REFERENCES DWG. NO.: CCV DWG No.15024 | DESIGNED BY: | SCALE | DATUM |
| | | | | DRAWN BY: | HORIZONTAL: --- | HORIZONTAL: --- |
| | | | | CHECKED BY: | VERTICAL: --- | VERTICAL: --- |
| | | | | | | |

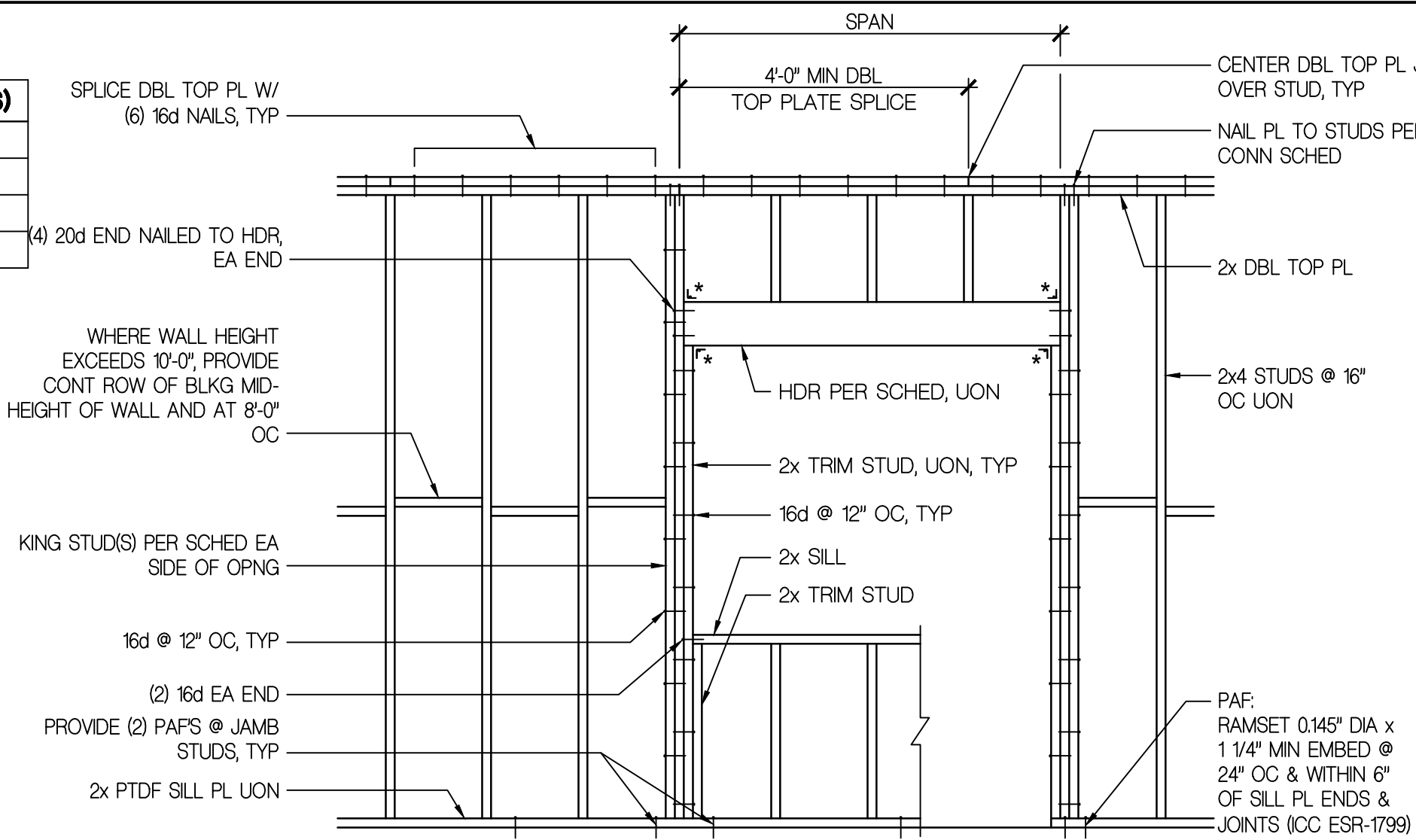
HEADER SCHEDULE

| MAX SPAN | HEADER | KING STUD(S) |
|----------|----------------|--------------|
| 6'-0" | DBL 2x4 OR 4x4 | 2x4 |
| 10'-6" | 4x6 | 2x4 |
| 14'-0" | 4x8 | 2x4 |
| 17'-0" | 4x10 | (2) 2x4 |

NOTES:

- ALL BOLTS, NAILS, METAL FRAMING CONNECTORS AND OTHER FASTENERS IN CONTACT WITH PRESERVATIVE OR FIRE RETARDANT TREATED LUMBER SHALL BE HOT-DIPPED GALVANIZED (ASTM A153) OR STAINLESS STEEL (TYPE 304 OR 316).
- NON-STRUCTURAL PARTITION WALL HEADERS ARE DESIGNED TO SUPPORT A MAXIMUM TOTAL VERTICAL LOAD OF 100 POUNDS PER FOOT.
- SEE "TYPICAL INTERIOR NON-BEARING WALL HEAD DETAILS" THIS SHEET FOR WALL HEAD CONNECTIONS.

*A34 METAL FRAMING CONNECTOR, OCCURS AT DOOR HEADER ONLY

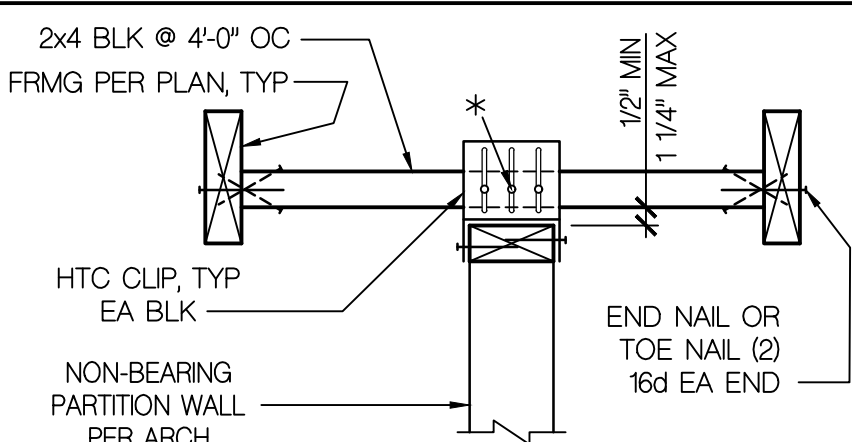


TYPICAL NON-STRUCTURAL WALL FRAMING DETAIL

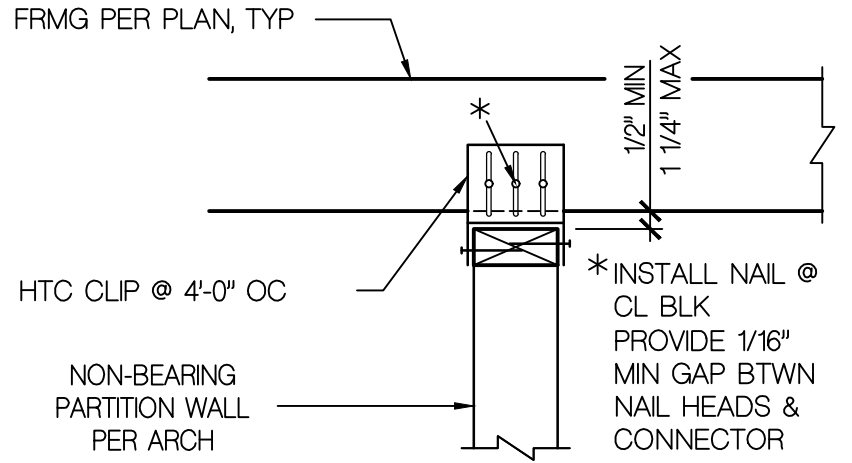
SCALE: NONE

1

S-005



WALL PARALLEL TO
ROOF / CEILING FRAMING



WALL PERPENDICULAR TO ROOF
/ CEILING FRAMING

TYPICAL INTERIOR NON-BEARING WALL HEAD DETAIL

SCALE: NONE

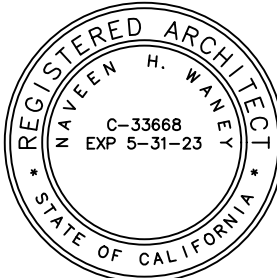
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S-005

| CONSTRUCTION RECORD | | AS-BUILT | |
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CASA CASILLAS ARTIST SPACE
50 4th AVENUE, CHULA VISTA, CA
TYPICAL STRUCTURAL DETAILS



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RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022

Mark S. Van Bibber

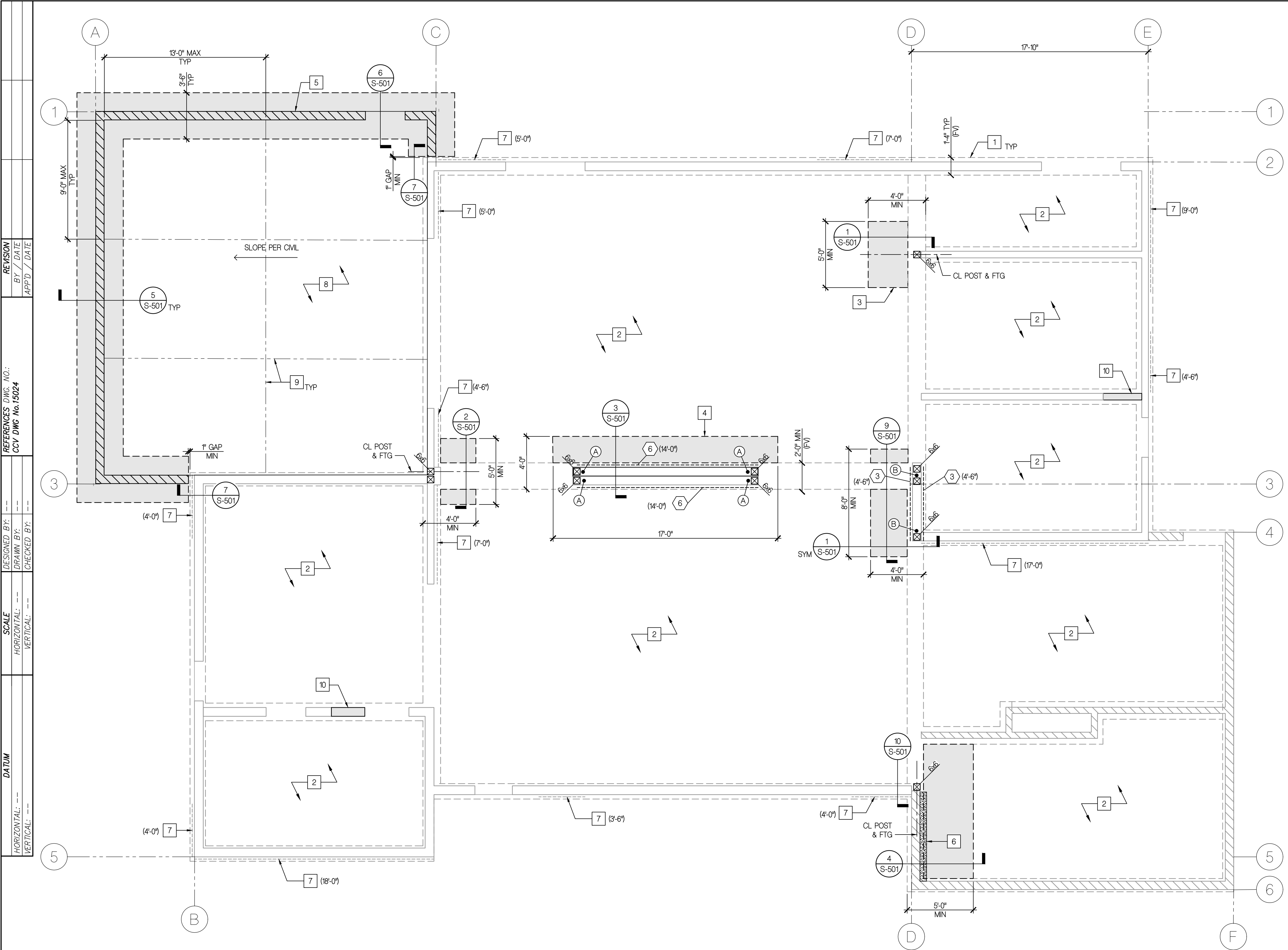
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DATE: ---

DRAWING NO.

S-005



KEYNOTES

- 1 EXIST CONTINUOUS CONC FOOTING
2 EXIST 4" CONG SLAB-ON-GRADE (FV)
3 CONC FOOTING DWL TO EXISTING PER DET 1 ON SHT S-501
4 CONC FOOTING DWL TO EXISTING PER DET 3 ON SHT S-501
5 8" CMU SCREEN WALL, WALL HEIGHT FROM FIN GRADE = 4'-0"
6 6" CONCRETE WALL PER DETAIL 4 ON SHT S-501
7 EXIST SHEAR WALL W/ 1/6 DIAG SHTG W/ 10d @ 3" OC EN & FN (MIN, FV), MINIMUM LENGTH OF WALL SHEATHING INDICATED IN PARENTHESIS (FV)
8 4" CONG SLAB-ON-GRADE W/ #4 @ 16" OC EA WAY AT MID-DEPTH OF SLAB OVER 4" OF SAND
9 WEAKENED PLANE JOINT ON SLAB PER DET 6 ON SHT S-004
10 WALL INFILL PER DET 7 ON SHT S-004

LEGEND

- INDICATES EXISTING WALL FRAMED WITH 2x6 STUDS @ 16" OC UON
INDICATES EXISTING SHEAR WALL SHEATHING (SHEATHING LENGTH NOTED IN PARENTHESIS)
INDICATES EDGE OF EXISTING CONTINUOUS FOOTING
INDICATES NEW STRUCTURAL (BEARING AND/OR SHEAR) WALL FRAMED WITH 2x6 STUDS @ 16" ON CENTER (SEE DET 2 ON SHT S-003)
X(8'-0") INDICATES SHEAR WALL SHEATHING PER DET 5 ON SHT S-003 (MINIMUM SHEATHING LENGTH NOTED IN PARENTHESIS)
X INDICATES SHEAR WALL HOLD DOWN PER DET 7 ON SHT S-003
INDICATES EDGE OF FOOTING AT OPENING
INDICATES EDGE OF FOOTING
INDICATES NEW WOOD POST AND SIZE
INDICATES CMU WALL
INDICATES EXISTING CMU WALL, FULLY GROUTED CONDITION SHALL BE FIELD VERIFIED

FOUNDATION PLAN NOTES

1. SEE ARCHITECTURAL FOR ALL DIMENSIONS NOT SPECIFIED.
2. STEP FOOTING AS REQUIRED PER DETAIL 3 ON SHEET S-002, UNLESS OTHERWISE NOTED
3. SEE DETAIL 4 ON SHEET S-002 WHERE PIPES OR CONDUITS INTERSECT FOOTINGS.
4. PROVIDE A MINIMUM HORIZONTAL SETBACK OF 7'-0" FROM THE BOTTOM OUTSIDE EDGE OF ALL FOOTINGS TO DAYLIGHT AT SLOPE CONDITIONS.
5. SEE DETAIL 2 ON SHEET S-002 FOR TYPICAL NON-BEARING WALL BASE DETAILS.
6. IF THE BUILDING INSPECTOR SUSPECTS FILL, EXPANSIVE SOILS OR ANY GEOLOGIC INSTABILITY BASED UPON OBSERVATION OF THE FOUNDATION EXCAVATION, A SOILS OR GEOLOGICAL REPORT, AND RESUBMITTAL OF PLANS TO PLAN CHECK TO VERIFY THAT REPORT RECOMMENDATIONS HAVE BEEN INCORPORATED, MAY BE REQUIRED.

CASA CASILLAS ARTIST SPACE
50 4th AVENUE, CHULA VISTA, CA
FOUNDATION PLAN



CITY OF CHULA VISTA
PUBLIC WORKS
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RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022

APPROVED BY:

DATE: ---

MARK VAN BIBBER, SE
STRUCTURAL ENGINEER OF RECORD

DRAWING NO.

S-101

| CONSTRUCTION RECORD | | AS-BUILT | |
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| DATE COMPLETED: | | | |

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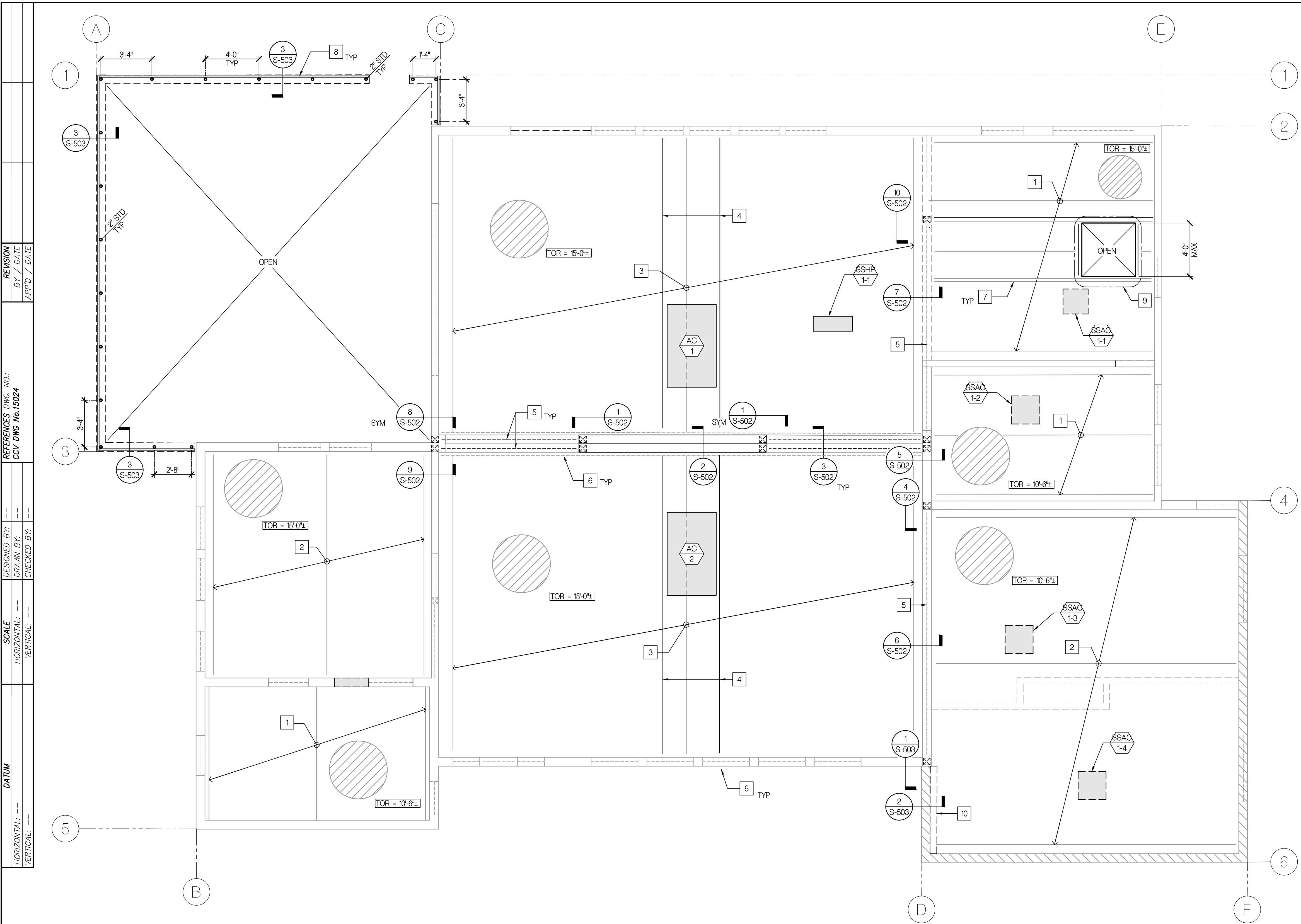
1870 Cordell Court Suite 202
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tel 619 312 6336
aarkengineering.com



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92104





KEYNOTES

- EXIST 2x10 JOISTS @ 16" OC (FV)
- EXIST 2x12 CEILING RAFTERS @ 16" OC (FV)
- EXIST 2x14 CEILING RAFTERS @ 16" OC
- 2x14 W/ 1US210' EA END @ LONG SIDE OF ROOFTOP EQUIPMENT CURB
- 5 1/2 x 14" 24F-V4 GLB
- EXIST 1x6 DIAG WALL SHTG ABOVE WALL OPNGS
- 2x10 SISTERED TO EXIST JST PER DET 5 ON SHT S-002
- C4x5.4 CHANNEL SUPPORTING METAL WALL PANEL
- ROOF OPENING PER DET 11 ON SHT S-002
- 6" CONC WALL PER DET 4 ON SHT S-001






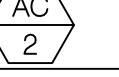

LEGEND

- INDICATES EXISTING STRUCTURAL (BEARING AND/OR SHEAR) WALL FRAMED WITH 2x6 STUDS @ 16" OC UON
- INDICATES STRUCTURAL (BEARING AND/OR SHEAR) WALL FRAMED WITH 2x6 STUDS @ 16" ON CENTER (SEE DET 4 ON SHT S03)
- INDICATES WOOD FRAMING IN-FILL PER DET 4 ON SHT S03
- INDICATES EXISTING CMU WALL
- INDICATES NEW OPENING IN EXISTING WALL BELOW PER DET 4 ON SHT S03
- INDICATES NEW OPENING IN NEW (BEARING AND/OR SHEAR) WALL BELOW PER DET 4 ON SHT S03
- INDICATES EXISTING OPENING IN EXISTING WALL BELOW
- INDICATES EXISTING POST BELOW
- INDICATES POST BELOW
- INDICATES EXISTING 1x6 DIAGONAL ROOF SHTG. TOP OF ROOF (TOR) ELEVATION INDICATED IN BOXED TEXT
- INDICATES NEW STEEL PIPE AND SIZE

ROOF FRAMING PLAN NOTES

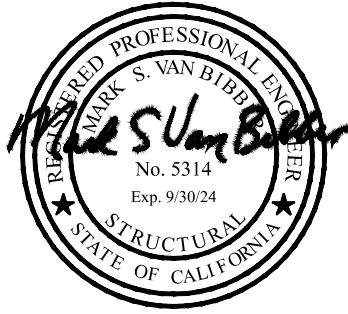
- SEE ARCHITECTURAL FOR ALL DIMENSIONS NOT SPECIFIED.
- SPLICE ALL DOUBLE TOP PLATES PER MARK 'A' IN DETAIL 4 ON SHEET S-003, UNLESS OTHERWISE NOTED.

EQUIPMENT SCHEDULE

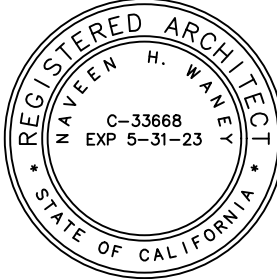
| EQUIPMENT | TOTAL WEIGHT (LBS) | DETAIL | COMMENTS |
|---|--------------------|-------------------|-----------------------------|
|     | 46 | DETAIL 5 ON S-503 | SUSPENDED FROM ROOF FRAMING |
|   | 607 | DETAIL 6 ON S-503 | MOUNTED ON ROOF |
|  | 220 | DETAIL 4 ON S-503 | MOUNTED ON ROOF |

| CONSTRUCTION RECORD | | AS-BUILT | |
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CASA CASILLAS ARTIST SPACE
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ROOF FRAMING PLAN



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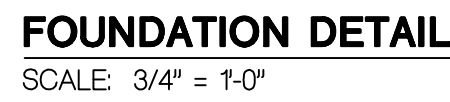
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DATE: ----

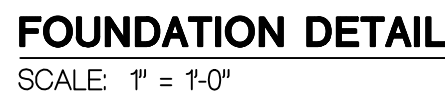
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| CONSTRUCTION RECORD | | AS-BUILT | | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: | |
| INSPECTOR: | | | | |
| DATE COMPLETED: | PRINTED NAME: | ARCHITECT.: | EXPIRATION: | |



FOUNDATION DETAIL
SCALE: 1" = 1'-0"



FOUNDATION DETAIL
SCALE: 1" = 1'-0"



FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



WALL GROUTING SECTION
SCALE: 1" = 1'-0"

| DATU |
|----------------|
| HORIZONTAL: -- |
| VERTICAL: -- |

FRAMING DETAIL

SCALE: $3/4" = 1'-0"$

9

S-502

FRAMING DETAIL **2**
 SCALE: 1 1/2" = 1'-0" S-502

FRAMING DETAIL TYP 3
 SCALE: 1 1/2" = 1'-0" S-502

FRAMING DETAIL **4**
 SCALE: 3/4" = 1'-0" S-502

FRAMING DETAIL **6**
 SCALE: 1" = 1'-0" S-502

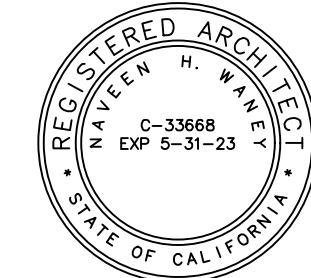
FRAMING DETAIL 7
 SCALE: 1 1/2" = 1'-0" S-502

FRAMING DETAIL **8**
 SCALE: 3/4" = 1'-0" S-502

ROOF OPENING FRAMING DETAIL **11**
 SCALE: NONE S-502

FRAMING DETAIL 10
 SCALE: 3/4" = 1'-0" S-502

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|-------------|-------------|
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| INSPECTOR: | | | |
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FRAMING DETAILS



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RESP. OVERSIDE CHARGE OF WORK. DATE: 11/1/77
Mark S Van Bibber

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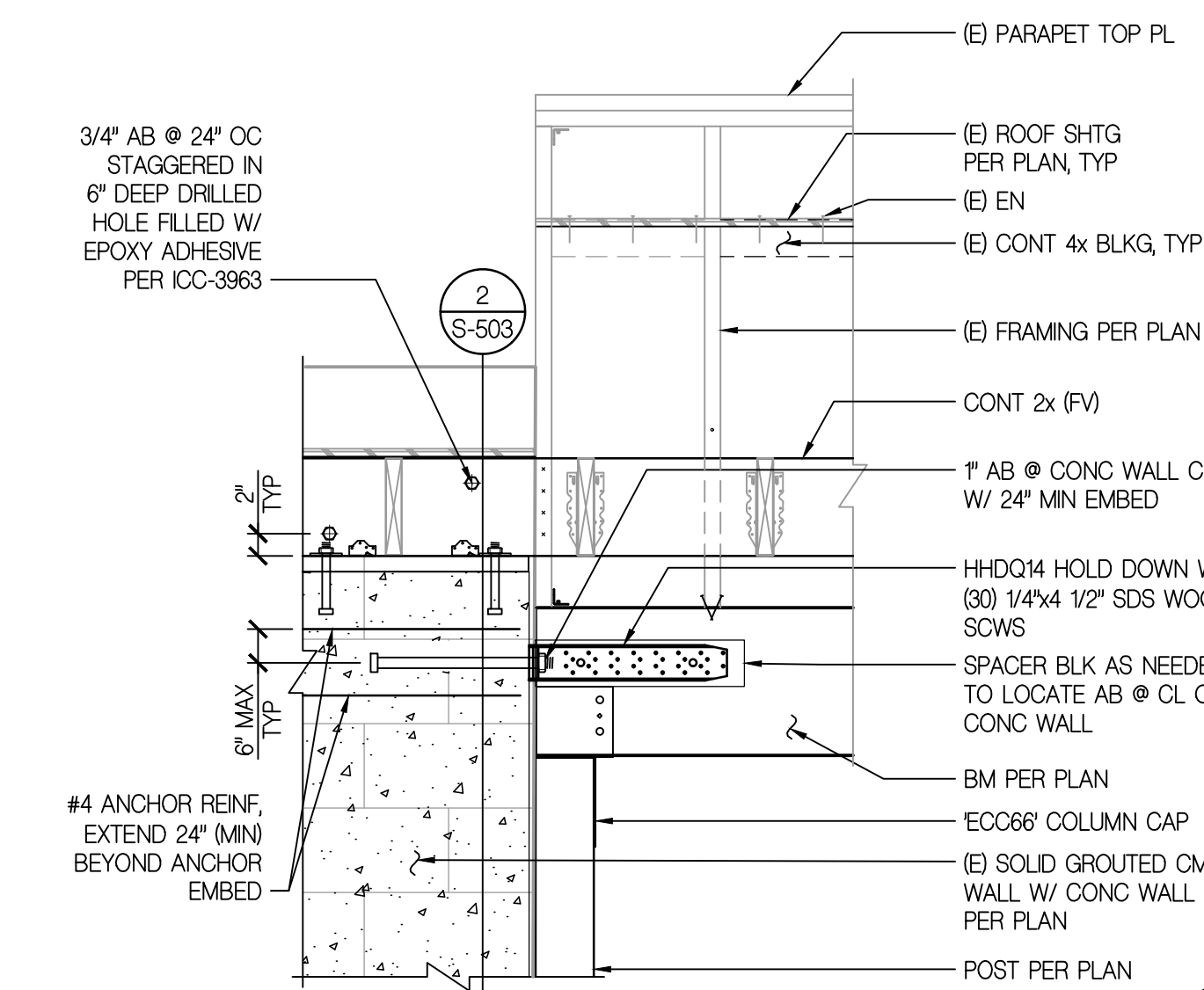
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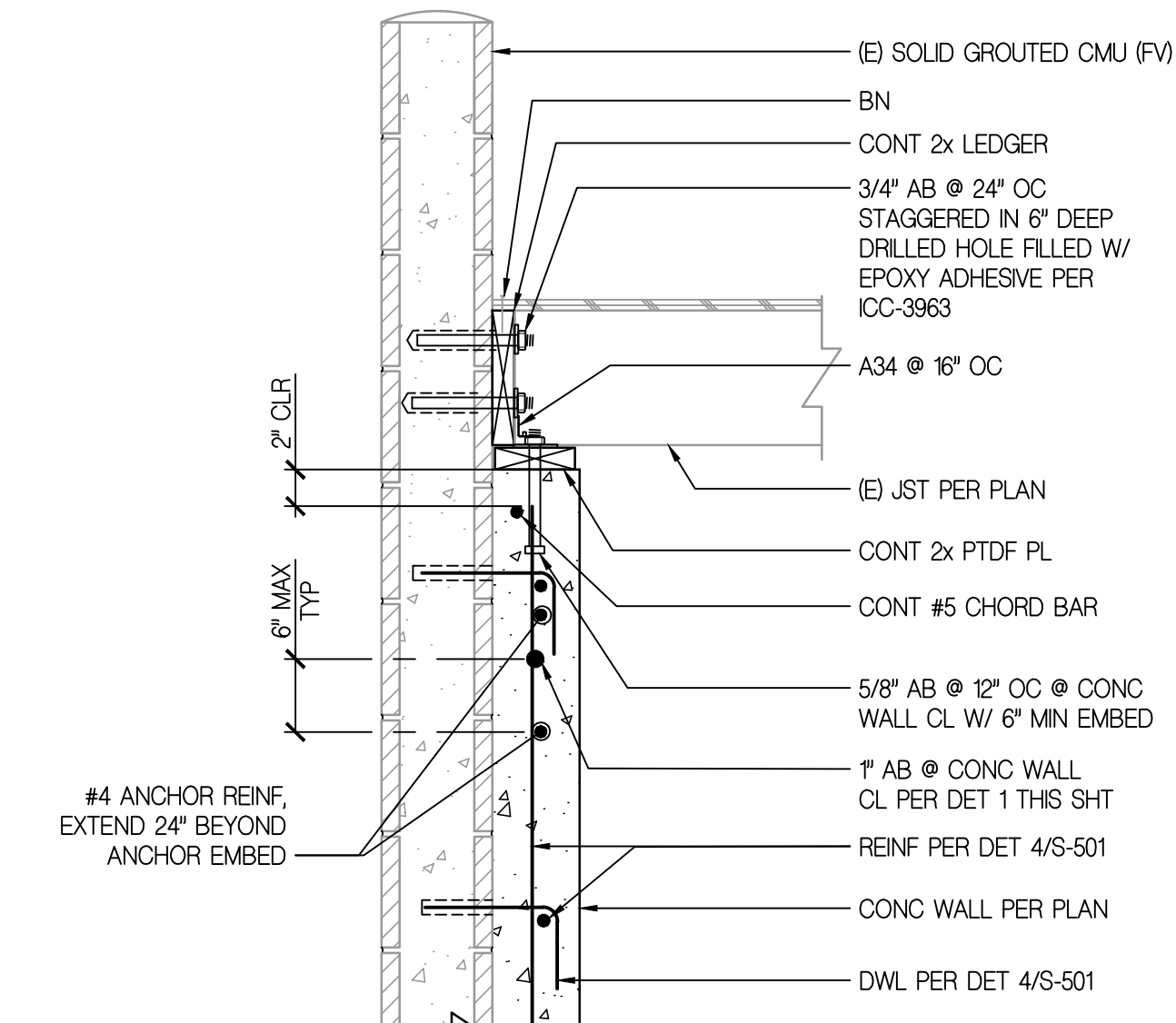
MARK VAN BIBBER, SE
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S-502

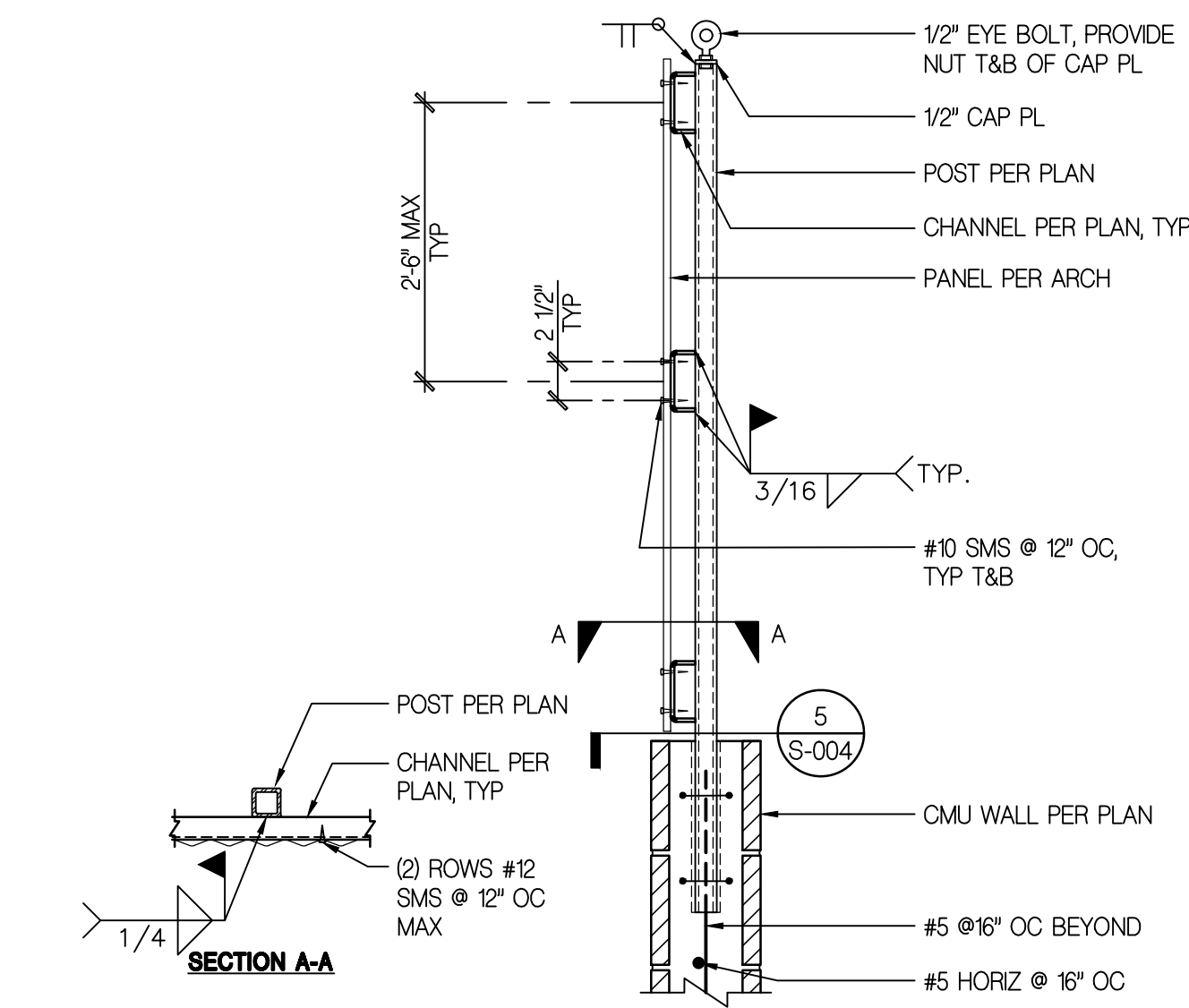
| DATE | | SCALE | DESIGNED BY: | REFERENCES DWG. NO.: | REVISION |
|-----------------|--|-----------------|--------------|----------------------|-------------|
| HORIZONTAL: --- | | HORIZONTAL: --- | DRAWN BY: | CCV DWG No. 15024 | BY / DATE |
| VERTICAL: --- | | VERTICAL: --- | CHECKED BY: | | APPD / DATE |



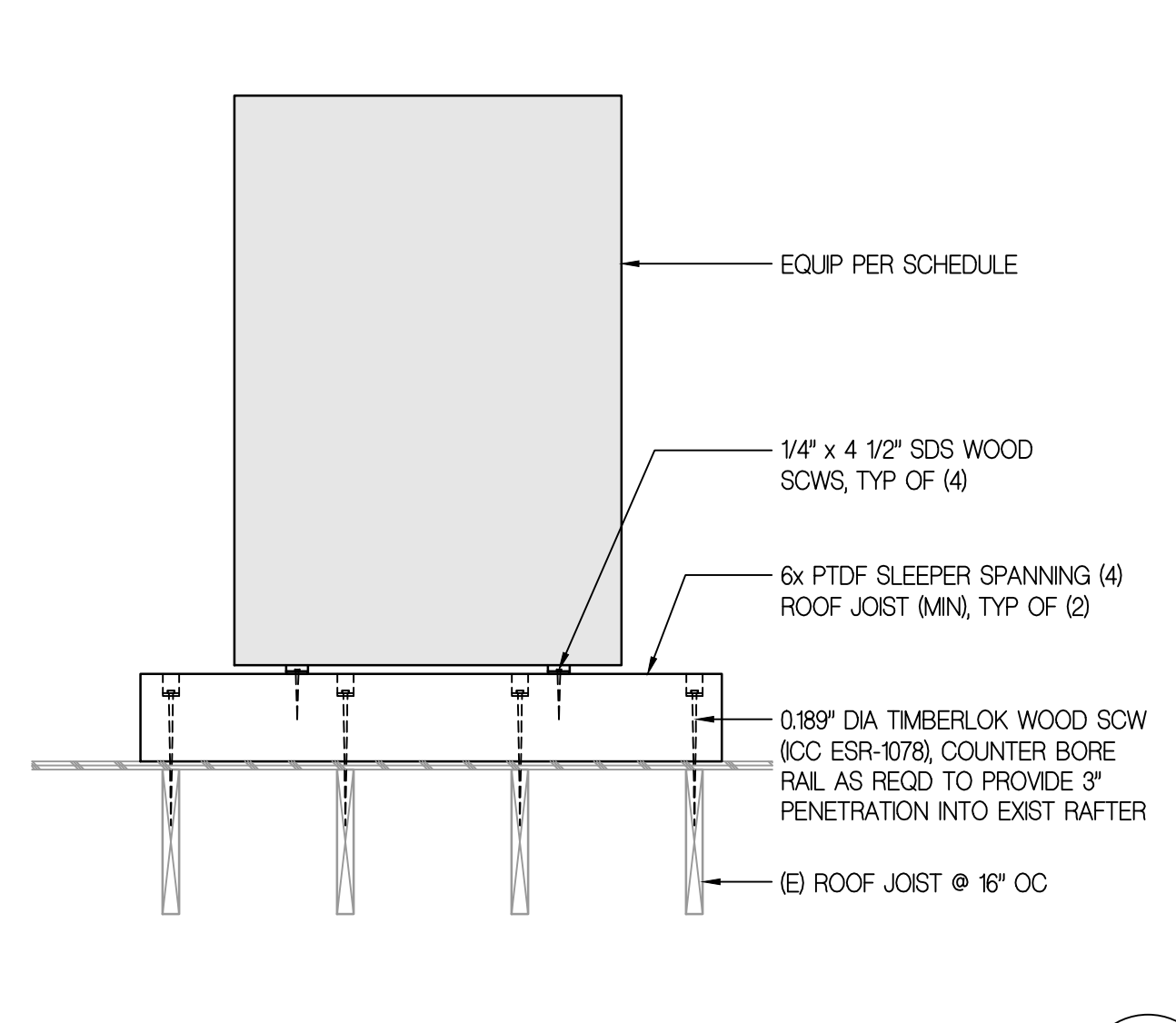
FRAMING DETAIL
SCALE: 3/4" = 1'-0"



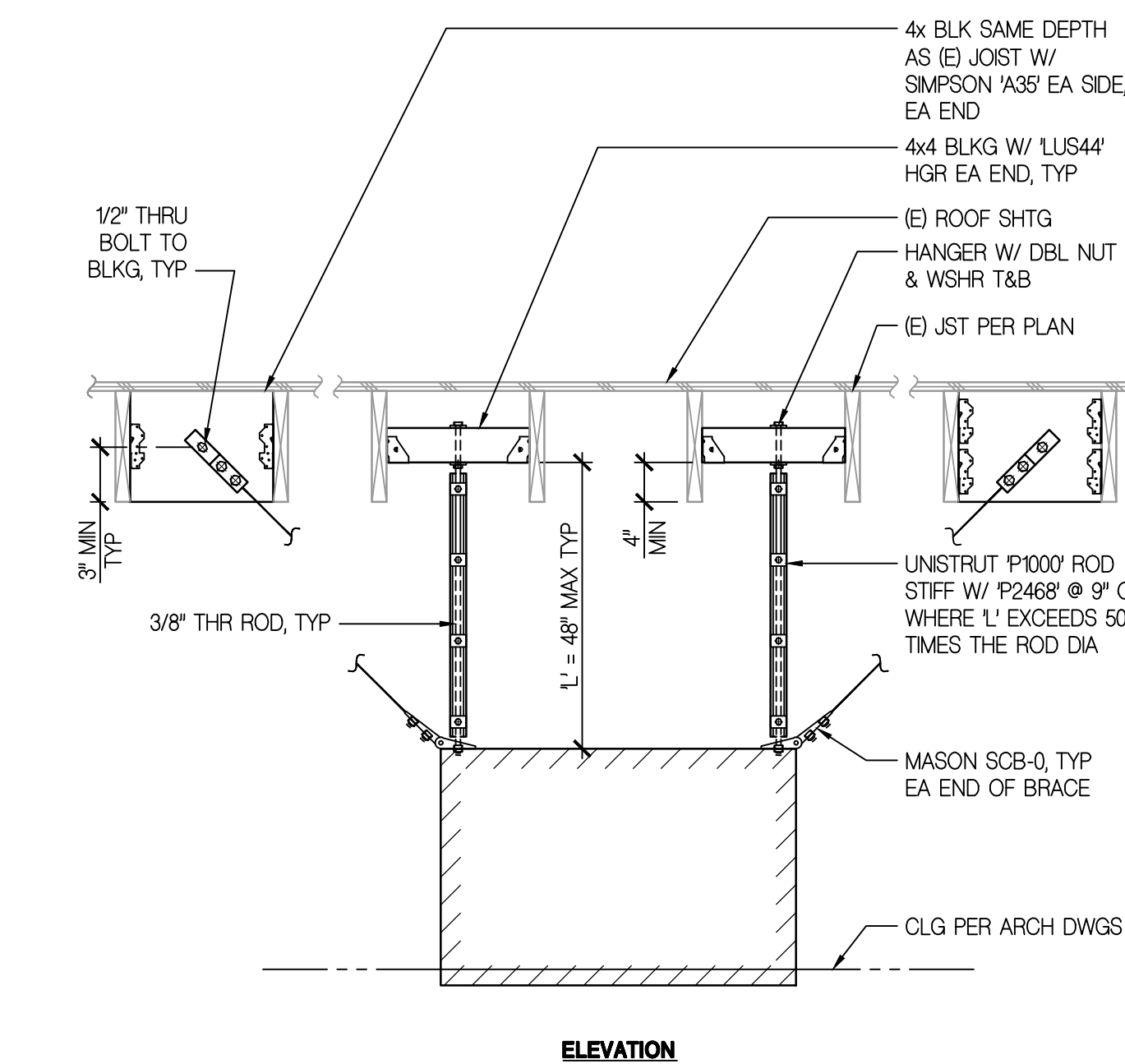
FRAMING DETAIL
SCALE: 1" = 1'-0"



PATIO SCREEN WALL DETAIL
SCALE: 1" = 1'-0"

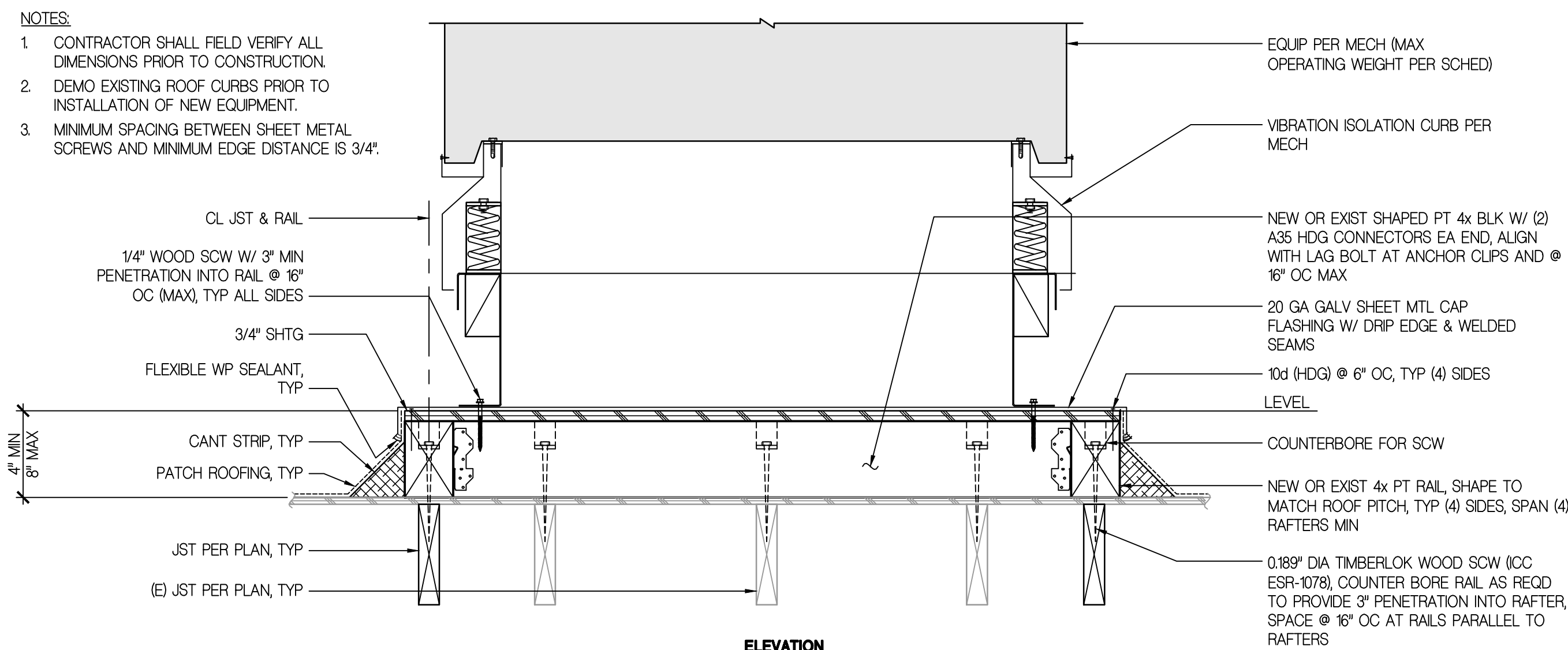


EQUIPMENT ANCHORAGE DETAIL
SCALE: 3/4" = 1'-0"



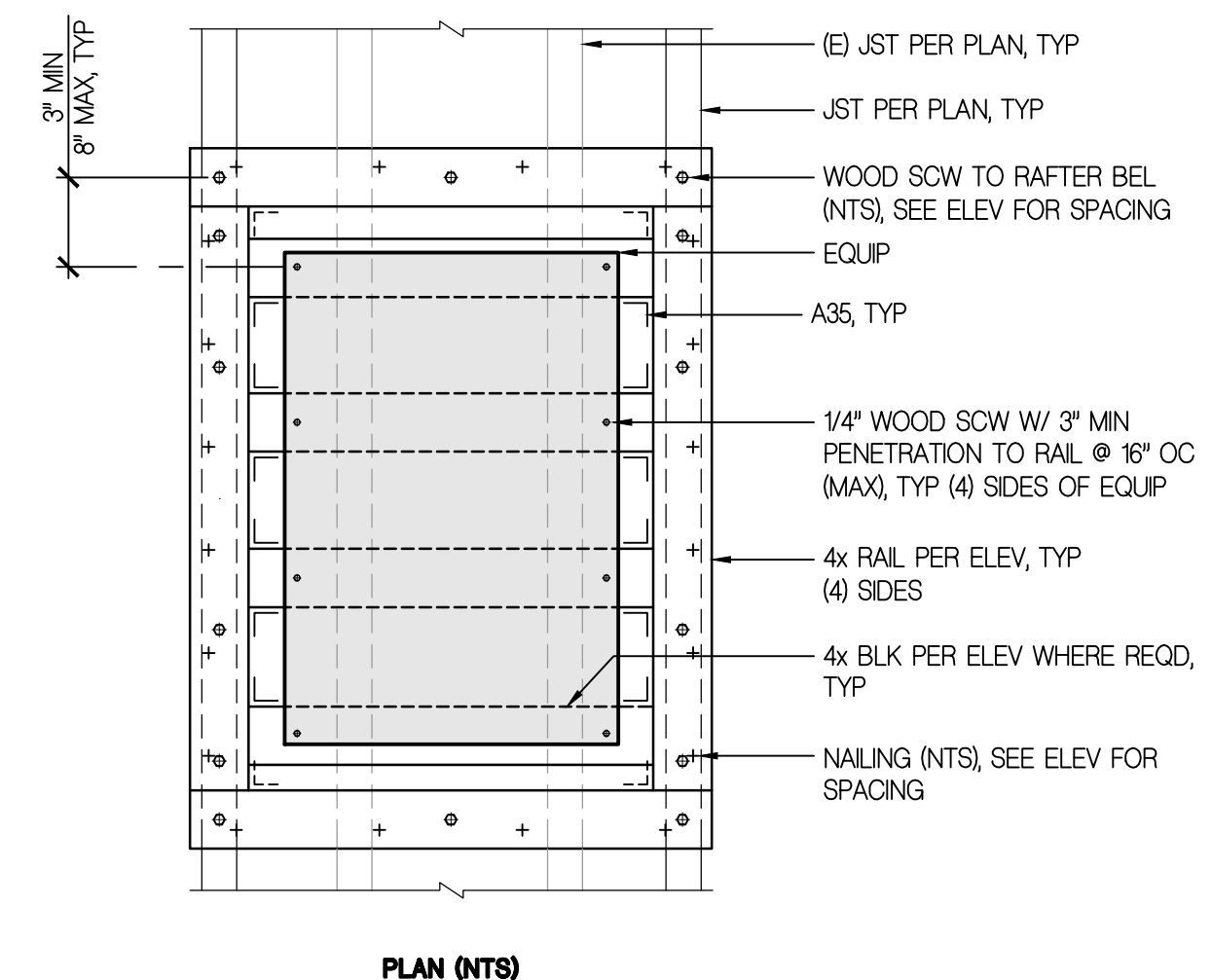
EQUIPMENT ANCHORAGE DETAIL

SCALE: NONE

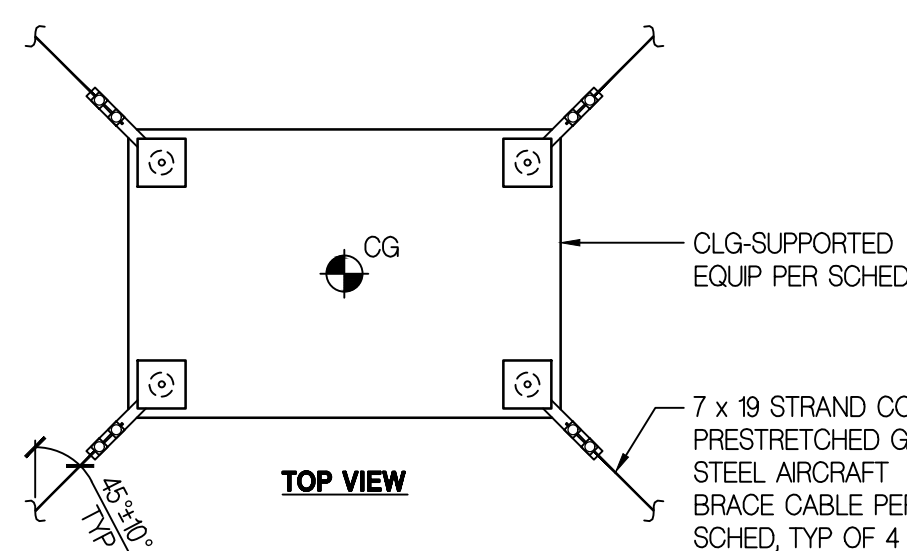


EQUIPMENT ANCHORAGE DETAIL

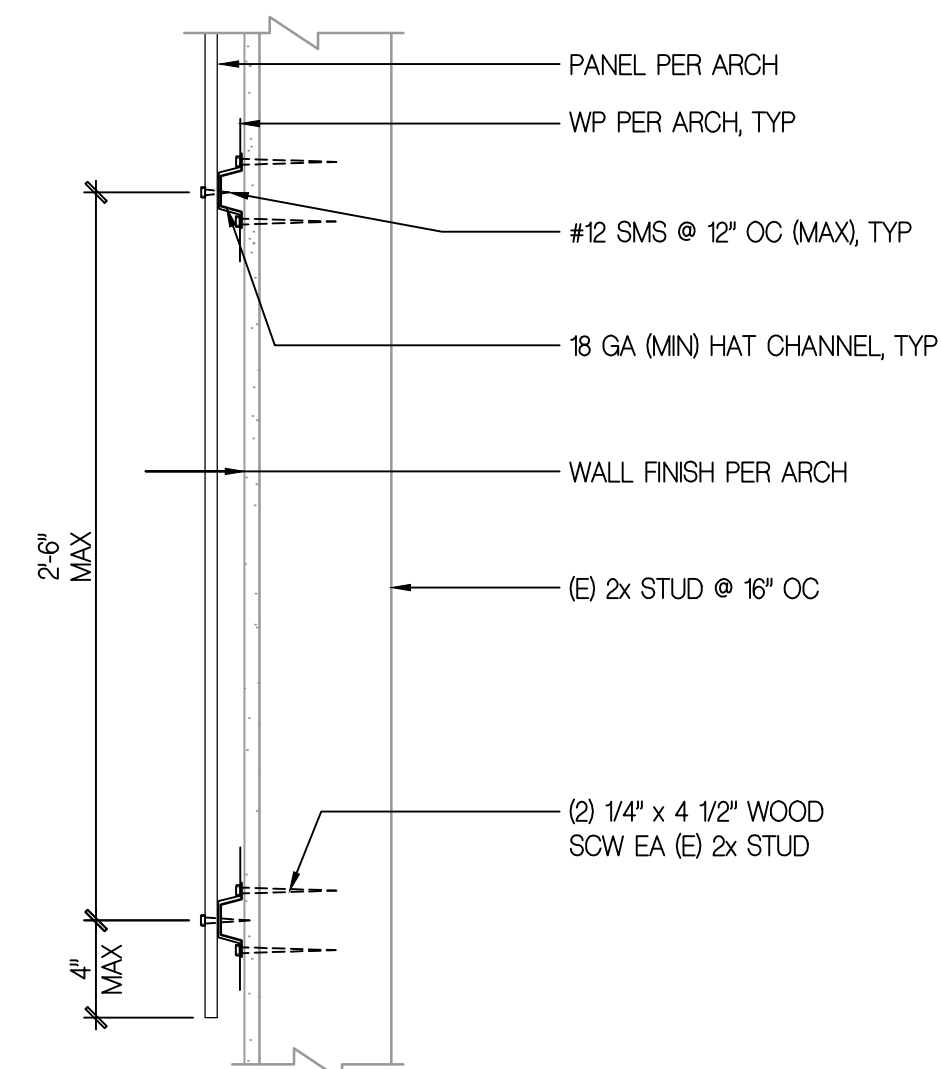
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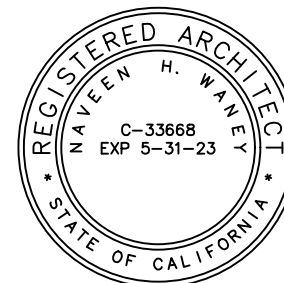
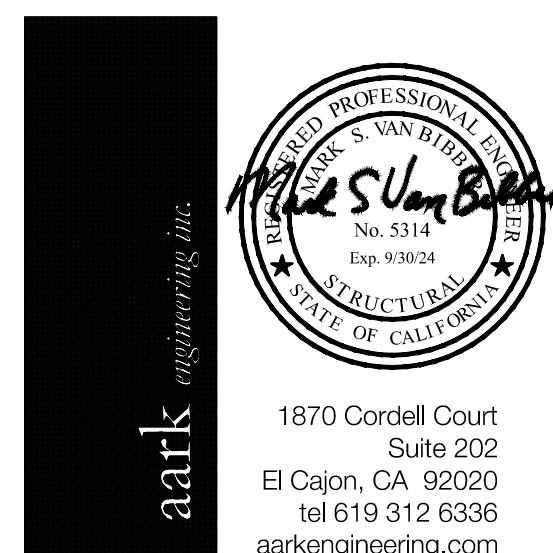
PLAN (NTS)



TOP VIEW



WALL PANEL ATTACHMENT DETAIL



Platt/Whitelaw
Architects, Inc.
4034 30TH STREET
SAN DIEGO, CALIFOR
92104



CASA CASILLAS ARTIST SPACE
50 4th AVENUE, CHULA VISTA, CA
EQUIPMENT ANCHORAGE DETAILS



CITY OF CHULA VISTA
PUBLIC WORKS
1800 MAXWELL ROAD,
CHULA VISTA, CA
WWW.CHULAVISTACA.GOV

RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022

MARK VAN BIBBER, SE
STRUCTURAL ENGINEER OF RECORD

APPROVED BY:

DATE: --

DRAWING NO.

S-503

| MECHANICAL LEGEND | | | |
|--------------------|--------------------|---------|---|
| SINGLE LINE SYMBOL | DOUBLE LINE SYMBOL | ABBREV. | DESCRIPTION |
| | | | EXISTING HVAC TO REMAIN |
| | | | EXISTING HVAC TO BE REMOVED |
| | | | DUCT - INSIDE CLEAR DIMENSIONS IN INCHES 1ST DIMENSION, SIDE SHOWN 2ND DIMENSION, NOT SHOWN Ø - ROUND DUCT INSIDE CLEAR DIAMETER IN INCHES |
| | | | DIRECTION OF AIR FLOW |
| | | | DUCT RISES OR DROPS IN DIRECTION OF ARROW |
| | | | DUCT TRANSITION |
| | | | DUCT CAP |
| | | MVD | MANUAL VOLUME DAMPER |
| | | BDD | BACKDRAFT DAMPER |
| | | FD | FIRE DAMPER 1-1/2 HOUR RATED UNLESS OTHERWISE NOTED |
| | | FSD | FIRE SMOKE DAMPER 1-1/2 HOUR RATED UNLESS OTHERWISE NOTED |
| | | | SQUARE ELBOW W/TURNING VANES |
| | | | RADIUS ELBOW |
| | | | SUPPLY OR OUTSIDE AIR DUCT UP |
| | | | SUPPLY OR OUTSIDE AIR DUCT DOWN |
| | | | RETURN AIR DUCT UP |
| | | | RETURN AIR DUCT DOWN |
| | | | EXHAUST AIR DUCT UP |
| | | | EXHAUST AIR DUCT DOWN |
| | | | ROUND DUCT UP |
| | | | ROUND DUCT DOWN |
| | | | FLEXIBLE CONNECTION |

| MECHANICAL LEGEND | | | |
|--------------------|--------------------|---------|--|
| SINGLE LINE SYMBOL | DOUBLE LINE SYMBOL | ABBREV. | DESCRIPTION |
| | | L | LINED DUCT - INSIDE CLEAR DIMENSIONS SHOWN |
| | | | DUCT SMOKE DETECTOR |
| | | | SUPPLY AIR TAKEOFF |
| | | | RETURN/EXHAUST AIR TAKEOFF |
| | | | SUPPLY AIR TAKEOFF - SPIN-IN FITTING WITH DAMPER |
| | | | SUPPLY AIR TAKEOFF - BELLMOUTH SPIN-IN FITTING WITH DAMPER |
| | | | RECTANGULAR SUPPLY DIFFUSER FOUR-WAY AIRFLOW DIRECTION UNLESS OTHERWISE NOTED |
| | | | RECTANGULAR RETURN GRILLE |
| | | | RECTANGULAR EXHAUST GRILLE |
| | | | ROUND SUPPLY DIFFUSER |
| | | | SIDEWALL REGISTER (SUPPLY) |
| | | | SIDEWALL REGISTER (RETURN OR EXHAUST) |
| | | POC | POINT OF CONNECTION |
| | | POD | POINT OF DISCONNECTION |
| | | | KEYNOTE |
| | | | REFRIGERANT LIQUID |
| | | | REFRIGERANT SUCTION |
| | | | CONDENSATE DRAIN |
| | | | PIPE TURNING DOWN |
| | | | PIPE TURNING UP |
| | | | ROOM WALL MOUNTED TEMPERATURE SENSOR |
| | | | ROOM WALL MOUNTED TIMER/OVERRIDE SWITCH |

| GENERAL NOTES | |
|--|--|
| 1. ALL WORK SHALL COMPLY WITH THE 2019 EDITION(S) OF THE CALIFORNIA BUILDING, MECHANICAL, PLUMBING, AND OTHER APPLICABLE FEDERAL, STATE, AND LOCAL CODES AS ADOPTED AND ENFORCED BY THE LOCAL JURISDICTION HAVING AUTHORITY. IN CASE THE PLANS SHOW MORE STRINGENT REQUIREMENTS, THE PLANS SHALL GOVERN THE DESIGN, HOWEVER THE DESIGN DOCUMENTS SHALL NOT BE INTERPRETED AS AUTHORITY TO VIOLATE CODE(S) OR REGULATION(S). | |
| 2. SUBMISSION OF BID IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH THE CONTRACTOR WILL BE OBLIGATED TO OPERATE UNDER THIS CONTRACT. NO EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID. | |
| 3. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL". | |
| 4. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON DESIGN PLANS/SPECIFICATIONS WITH CODE REQUIREMENTS, THE MORE STRINGENT STANDARD SHALL PREVAIL. | |
| 5. CONTRACTOR SHALL FURNISH LABOR, MATERIALS, EQUIPMENT, APPURTENANCES, AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL ALL HVAC SYSTEMS OR RELATED COMPONENTS AS INDICATED ON PLANS AND SPECIFIED HEREIN. | |
| 6. ALL EQUIPMENT, MATERIAL AND APPURTENANCES TO BE INSTALLED AS PART OF THE PROJECT SHALL BEAR AN UNDERWRITERS LABORATORIES LABEL (UL), AND INSTALLED IN SUCH A MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED. | |
| 7. CONTRACTOR SHALL DOCUMENT AND RELAY ANY MAJOR DEVIATIONS FROM THE DESIGN DOCUMENTS, AND ATTAIN APPROVAL FROM THE OWNER/DESIGN TEAM BEFORE PROCEEDING. CONTRACTOR SHALL PROVIDE AS-BUILT COPIES INDICATING ALL CHANGES/DEVIATIONS MADE DURING CONSTRUCTION. | |
| 8. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ANY CONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA. | |
| 9. NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE OWNER'S REPRESENTATIVE TO CONFIRM THAT AREAS TO REMAIN IN OPERATION WILL NOT BE AFFECTED. IF ANY AREAS NOT WITHIN THE SCOPE OF WORK ARE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE MUST BE GIVEN TO THE OWNER'S REPRESENTATIVE INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG A PERIOD OF TIME. | |
| 10. THE ARRANGEMENT OF EQUIPMENT AND PIPING SHOWN ON THE DRAWINGS IS BASED UPON INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN AND IS NOT INTENDED TO SHOW EXACT DIMENSIONS PARTICULAR TO A SPECIFIC MANUFACTURER. THE DRAWINGS ARE, IN PART, DIAGRAMMATIC AND SOME FEATURES OF THE ILLUSTRATED EQUIPMENT INSTALLATION MAY REQUIRE REVISION TO MEET ACTUAL EQUIPMENT INSTALLATION REQUIREMENTS. STRUCTURAL SUPPORTS, FOUNDATIONS, CONNECTED PIPING, VALVES, PIPE SUPPORTS AND ELECTRICAL CONDUIT SPECIFIED MAY HAVE TO BE ALTERED OR ADDITIONAL ITEMS REQUIRED TO ACCOMMODATE THE EQUIPMENT PROVIDED. NO ADDITIONAL PAYMENT WILL BE MADE FOR SUCH REVISIONS, ALTERATIONS, AND/OR ADDITIONS. | |
| 11. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT THE SITE MAKING FIELD MEASUREMENTS AND SHOP DRAWINGS NECESSARY FOR FABRICATION OR ERECTION OF HVAC AND PIPING SYSTEMS. MAKE ALLOWANCE FOR BEAMS, PIPES, AND OTHER OBSTRUCTIONS IN BUILDING CONSTRUCTION. CHECK DRAWINGS SHOWING WORK OF OTHER TRADES AND CONSULT WITH THE OWNER'S REPRESENTATIVE IN THE EVENT OF POTENTIAL INTERFERENCE. SHOP DRAWINGS SHALL BE MINIMUM 1/4"=1'-0" SCALE, INDICATING FITTINGS, SIZES, WELDS, AND CONFIGURATIONS AND SUBMITTED IN THE LATEST VERSION OF AUTOCAD TO THE ENGINEER FOR REVIEW. | |
| 12. CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO FABRICATION, PURCHASE, AND/OR INSTALLATION OF ALL WORK. | |
| 13. BEFORE COMMENCEMENT OF WORK, CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS, AND CHARACTERISTICS OF ALL UTILITIES. | |
| 14. EXISTING MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS, EXCEPT WHERE INDICATED AS BEING RELOCATED. | |
| 15. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. | |
| 16. GALVANIZED SHEET METAL SHALL BE PROVIDED FOR ALL HVAC DUCT SYSTEMS (EXCEPT WHERE ANOTHER MATERIAL IS INDICATED), AND SHALL BE CONSTRUCTED/SUPPORTED/INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA MECHANICAL CODE AND THE LATEST SMACNA STANDARDS. | |
| 17. CONTRACTOR SHALL PROVIDE ALL NECESSARY SUPPORTS FOR FIXTURES, DUCTWORK, PIPING, AND MECHANICAL EQUIPMENT IN ORDER TO COMPLY WITH SEISMIC REQUIREMENTS AS OUTLINED BY THE LATEST EDITION(S) OF THE CALIFORNIA BUILDING CODE, SMACNA (SEISMIC HAZARD LEVEL A) INSTALLATION STANDARDS, AND ALL RELATED LOCAL ORDINANCES. | |
| 18. PIPING AND DUCT SUPPORTS SHALL BE AS FOLLOWS: ALL BRACING OF DUCTS AND PIPING SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES OR AS DETAILED AND SPECIFIED HEREIN. WHERE BRACING DETAILS ARE NOT SHOWN ON THE DRAWINGS OR IN THE GUIDELINES, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER. A COPY OF THE GUIDELINES PUBLISHED BY SMACNA SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB AT ALL TIMES. | |
| 19. PRIOR TO OCCUPANCY ALL HVAC SYSTEMS SHALL BE BALANCED IN ACCORDANCE WITH AABC OR NEBB STANDARDS AND ALL CONTRACT DOCUMENTS BY AN INDEPENDENT AIR BALANCE CONTRACTOR. CONTRACTOR SHALL PROVIDE CERTIFICATION OF OUTSIDE AIR VENTILATION RATES AND THAT ALL SYSTEMS HAVE BEEN BALANCED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. | |
| 20. FACTORY MADE FLEXIBLE AIR DUCTS AND CONNECTORS SHALL NOT BE MORE THAN 5'-0" IN LENGTH PER SECTION 603.4.1 CMC. | |
| 21. MANUAL VOLUME DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES TO INDIVIDUAL DIFFUSERS, GRILLES, AND REGISTERS. REFER TO FLOOR PLANS AND DETAIL 3/M5.01 FOR LOCATIONS. | |
| 22. AIR DISTRIBUTION SYSTEMS SHALL NOT BE OPERATED WITHOUT A FILTER IN PLACE. CONTRACTOR SHALL REPLACE ALL FILTERS WITH A COMPLETE AND NEW SET PRIOR TO BUILDING OCCUPANCY. | |
| 23. COVER ALL OPENINGS IN EQUIPMENT, PIPING, DUCTS, AND OTHER SYSTEMS TO EXCLUDE ENTRANCE OF DIRT OR OTHER FOREIGN MATERIAL DURING CONSTRUCTION. | |
| 24. REFER TO THE SPECIFICATIONS BOOK FOR ADDITIONAL REQUIREMENTS. | |
| 25. UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER THE DISTRICT STRUCTURAL ENGINEER FROM THE DIVISION OF THE STATE ARCHITECT. | |

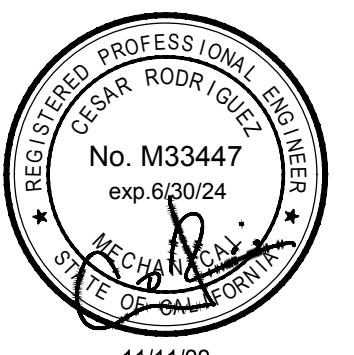
| ABBREVIATIONS | | | |
|---------------|--------------------------------|---------|------------------------------|
| ABBREV. | DESCRIPTION | ABBREV. | DESCRIPTION |
| AFF | ABOVE FINISHED FLOOR | IN | INCHES |
| AMB | AMBIENT | LAT | LEAVING AIR TEMPERATURE |
| APD | AIR PRESSURE DROP | L | LENGTH |
| ARCH | ARCHITECTURAL | LB | POUNDS |
| BDD | BACKDRAFT DAMPER | LDB | LEAVING DRY BULB TEMPERATURE |
| BHP | BRAKE HORSEPOWER | LWB | LEAVING WET BULB TEMPERATURE |
| BTUH | BTU PER HOUR | LWT | LEAVING WATER TEMPERATURE |
| BOD | BOTTOM OF DUCT | MAX | MAXIMUM |
| CD | CONDENSATE DRAIN | MBH | THOUSAND BTU PER HOUR |
| CFM | CUBIC FEET PER MINUTE | MCA | MINIMUM CIRCUIT AMPACITY |
| CLG | CEILING | MIN | MINIMUM |
| CONT | CONTINUATION | NC | NORMALLY CLOSED |
| CP | CONTROL PANEL | NO | NORMALLY OPEN |
| DB | DRY BULB | NTS | NOT TO SCALE |
| DIA Ø | DIAMETER | OA | OUTSIDE AIR |
| DN | DOWN | OV | OUTLET VELOCITY |
| DX | DIRECT EXPANSION (REFRIGERANT) | PD | PRESSURE PROP |
| EA | EXHAUST AIR | PLBG | PLUMBING |
| EAT | ENTERING AIR TEMPERATURE | PSI | POUNDS PER SQUARE INCH |
| EDB | ENTERING DRY BULB TEMPERATURE | PSIG | PSI GAUGE |
| EER | ENERGY EFFICIENCY RATIO | QTY | QUANTITY |
| EFF | EFFICIENCY | RA | RETURN AIR |
| ESP | EXTERNAL STATIC PRESSURE | RH | RELATIVE HUMIDITY |
| EWB | ENTERING WET BULB TEMPERATURE | RPM | REVOLUTIONS PER MINUTE |
| EWT | ENTERING WATER TEMPERATURE | SA | SUPPLY AIR |
| EX | EXISTING | SS | STAINLESS STEEL |
| FA | FREE AREA | TDH | TOTAL DYNAMIC HEAD |
| FT | FEET | TG | TRANSFER GRILLE |
| FF | FINISHED FLOOR | TSP | TOTAL STATIC PRESSURE |
| FG | FINISHED GRADE | TYP | TYPICAL |
| FLA | FULL LOAD AMPERES | UNO | UNLESS NOTED OTHERWISE |
| FPI | FINS PER INCH | UTR | UP THROUGH ROOF |
| FPM | FEET PER MINUTE | V/PHz | VOLTS, PHASE, HERTZ |
| FPS | FEET PER SECOND | VAC | VOLTS AC POWER |
| FT | FEET | VD | VOLUME DAMPER |
| FV | FACE VELOCITY | VFD | VARIABLE FREQUENCY DRIVE |
| GA | GAUGE | VTR | VENT THROUGH ROOF |
| GPM | GALLONS PER MINUTE | W | WIDTH |
| H | HEIGHT | W/ | WITH |
| HD | FEET OF WATER | WB | WET BULB |
| HP | HORSEPOWER | WG | WATER GAUGE |
| HR | HOUR | WPD | WATER PRESSURE DROP |

CASA CASILLAS ARTIST SPACE
50 4TH AVENUE. CHULA VISTA, CA
MECHANICAL LEGEND & GENERAL NOTES

| | | | | |
|--|--|--------------------------|--|-------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: DATE: _____ | | DRAWING NO. |
| CESAR RODRIGUEZ, P.E. MECHANICAL ENGINEER | | | | M-001 |



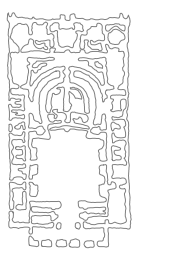
TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941 • 5221
619 / 466 / 6224 FAX 466 / 6233
E-MAIL: ENGINEER@TREISO.COM
TREI # 21035.S01
C:\KRAUT_12/22/2022 - 3:33PM



REGISTERED PROFESSIONAL ENGINEER
CESAR RODRIGUEZ
No. M33447
exp. 6/30/24
STATE OF CALIFORNIA
11/11/22

Platt/Whitelaw
Architects, Inc.

4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104



SINGLE ZONE PACKAGE ROOFTOP AC UNIT SCHEDULE

| UNIT # | MANUFACTURER | MODEL | AREA SERVED | LOCATION | AIRSIDE DATA | | | | | | COOLING INFORMATION | | | | | COMPRESSOR | | HEATING INFORMATION | | | | | ELECTRICAL DATA | | | | POWER EXHAUST INFORMATION | | | | | | | | | | ACCESSORIES | EQUIPMENT SUPPORT DETAILS | TOTAL OPERATING WEIGHT (LBS.) | |
|--------|--------------|--------------|----------------------------|----------|--------------|------------|------------|--------|------|------|---------------------|------------------|-------------|-------------|--------------------------------------|---------------------------------|------|---------------------|----------|-----------------------|-------------|-------------|-----------------|----------|----------|-----------|---------------------------|------|-------|--------------|-----------|----------|----------|------|------|------|-------------|---------------------------|-------------------------------|------------|
| | | | | | DCV OA CFM | MIN OA CFM | DESIGN CFM | E.S.P. | RPM | BHP | MOTOR TYPE | REFRIGERANT TYPE | EAT (DB/WB) | LAT (DB/WB) | GROSS CAPACITY (TOT/SENS) (MTB/SEER) | MINIMUM AHRI RATED COOLING SEER | QTY. | TYPE | AFUE (%) | OUTPUT CAPACITY (MBH) | INPUT (MBH) | EAT (°F DB) | LAT (°F DB) | V/PH/Hz | UNIT MCA | UNIT MOCP | V/PH/Hz | TAG | CFM | ESP (IN. WG) | MOTOR RPM | MOTOR HP | V/PH/Hz | FLA | MCA | MOCP | | | | MIN SCRR ① |
| AC 1 | CARRIER | 48FCLA05A2A5 | GALLERY 10 SOUTH | ROOF | N/A | 440 | 1,600 | 0.5 | 1792 | 0.62 | DIRECT | R-410A | 80/67 | 60.1/57.5 | 48.41/34.31 | 14 | 1 | SCROLL | 81 | 49.0 | 60.00 | 70.0 | 98.4 | 208/1/60 | 34 | 50 | 208/1/60 | PE 1 | 1,600 | 0.5 | 935 | 1.0 | 208/1/60 | 10.0 | 12.5 | 22.5 | - | 1,2,3,4,5,6,7,8,9,10,11 | 2 M-301 | 1,100 |
| AC 2 | CARRIER | 48FCLA05A2A5 | GALLERY 10 NORTH & OFFICES | ROOF | N/A | 535 | 1,600 | 0.5 | 1792 | 0.62 | DIRECT | R-410A | 80/67 | 60.1/57.5 | 48.41/34.31 | 14 | 1 | SCROLL | 81 | 49.0 | 60.00 | 70.0 | 98.4 | 208/1/60 | 34 | 50 | 208/1/60 | PE 2 | 1,600 | 0.5 | 935 | 1.0 | 208/1/60 | 10.0 | 12.5 | 22.5 | - | 1,2,3,4,5,6,7,8,9,10,11 | 2 M-301 | 1,100 |













ACCESSORIES: 1) THROWAWAY MERV-13 FILTERS, 2) MODULATING POWER EXHAUST MEETING CALIF. T-24 FDDM AND LEAK RATES, 3) 11" HIGH BASE CURB WITH VIBRATION ISOLATION, 4) LOW NOx GAS HEAT, 5) STAINLESS STEEL HEAT EXCHANGER, 6) LUVATA ELECTROFIN E-COAT (OR EQUAL) ON EVAPORATOR AND CONDENSER COILS, 7) ASHRAE 62.1 COMPLIANT DRAIN PAN, 8) HAIL GUARD, 9) DEMAND CONTROL VENTILATION , 10) BACNET CARD, 11) SYSTEM SENSOR DUCTSD DUCT SMOKE DETECTOR WIRED TO SHUTDOWN UNIT UPON DETECTION OF SMOKE

EXHAUST FAN SCHEDULE

| GENERAL DATA | | | | | | DESIGN | | | | ELECTRICAL DATA | | | | REMARKS | EQUIPMENT SUPPORT DETAILS | OPERATING WEIGHT (LBS.) |
|--------------|--------------|-------------|--------------------------------|-------------------------------------|--------------------|--------|----------|------------|---------------------------|---------------------|----------|------|---------------------|---|---------------------------------|-------------------------------|
| TAG | MANUFACTURER | MODEL NO | AREA SERVED | LOCATION | TYPE | CFM | ESP (IN) | FAN RPM | SOUND POWER (SONES) | MOTOR HP/(WATTS) | V/PH/Hz | FLA | CONTROL | | | |
| EF 1-1 | GREENHECK | SP-L80 | RESTROOM 5 | RESTROOM 5 CEILING | CEILING MOUNTED | 75 | 0.5 | 850 | 2.0 | (27) | 115/1/60 | 0.23 | OCCUPANCY SENSOR | PROVIDE BACKDRAFT DAMPER, VARI-GREEN EC MOTOR WITH MOUNTED POTENTIOMETER DIAL, ALL WIRING AND CONNECTIONS REQUIRED FOR FAN OPERATION. | 3 M-301 | 10 |
| EF 1-2 | GREENHECK | SP-L80 | RESTROOM 6 | RESTROOM 6 CEILING | CEILING MOUNTED | 75 | 0.18 | 850 | 2.0 | (27) | 115/1/60 | 0.23 | OCCUPANCY SENSOR | PROVIDE BACKDRAFT DAMPER, VARI-GREEN EC MOTOR WITH MOUNTED POTENTIOMETER DIAL, ALL WIRING AND CONNECTIONS REQUIRED FOR FAN OPERATION. | 3 M-301 | 10 |
| EF 1-3 | GREENHECK | SP-A1050-VG | STUDIO/ SCREENING ROOM 8 | STUDIO/ SCREENING ROOM 8 CEILING | CEILING MOUNTED | 470 | 0.5 | 1,077 | 4.0 | (81) | 115/1/60 | 4.75 | 4 HR TWIST TIMER | PROVIDE BACKDRAFT DAMPER, VARI-GREEN EC MOTOR WITH MOUNTED POTENTIOMETER DIAL, ALL WIRING AND CONNECTIONS REQUIRED FOR FAN OPERATION. | 3 M-301 | 62 |

- 1 MINIMUM SHORT CIRCUIT CURRENT RATING (SCCR) TO MEET CEC REQUIREMENTS. REFER TO SHORT CIRCUIT CALCULATION SHEET E-401. MINIMUM RATING INDICATED SHALL BE USED FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL VERIFY REQUIRED RATING BY CALCULATIONS PERFORMED PER SPECIFICATIONS SECTION 260573.13 "SHORT CIRCUIT STUDIES" PRIOR TO FABRICATION OF EQUIPMENT.





DUCTLESS SPLIT SYSTEM FAN COIL UNIT SCHEDULE (INDOOR)

| GENERAL DATA | | | | | | | ELECTRICAL DATA | | | REMARKS | EQUIPMENT SUPPORT DETAILS | OPERATING WEIGHT (LB) |
|---|--------------|-------------|------------------------|---|------------|------------|-----------------|----------|------|--|---|-----------------------|
| TAG | MANUFACTURER | MODEL | LOCATION | OUTDOOR UNIT | DESIGN CFM | MIN OA CFM | MOTOR WATTS | V/PH/Hz | MCA | | | |
|  | CARRIER | 40VMC009A-3 | STUDIO 12 |  | 306 | 30 | - | 208/1/60 | 0.38 | PROVIDE WITH HARD-WIRED THERMOSTAT, INDOOR UNIT POWERED BY OUTDOOR UNIT, MANUFACTURER PROVIDED CONDENSATE PUMP BLUE DIAMOND X87-721 OR EQUAL. |  | 46 |
|  | CARRIER | 40VMC009A-3 | KITCHEN |  | 306 | 30 | - | 208/1/60 | 0.38 | PROVIDE WITH HARD-WIRED THERMOSTAT, INDOOR UNIT POWERED BY OUTDOOR UNIT, MANUFACTURER PROVIDED CONDENSATE PUMP BLUE DIAMOND X87-721 OR EQUAL, INTERLOCK WITH OSA SF-1. |  | 46 |
|  | CARRIER | 40VMC009A-3 | STUDIO 9 |  | 306 | 50 | - | 208/1/60 | 0.38 | PROVIDE WITH HARD-WIRED THERMOSTAT, INDOOR UNIT POWERED BY OUTDOOR UNIT, MANUFACTURER PROVIDED CONDENSATE PUMP BLUE DIAMOND X87-721 OR EQUAL. |  | 46 |
|  | CARRIER | 40VMC009A-3 | STUDIO/ SCREENING ROOM |  | 306 | 50 | - | 208/1/60 | 0.38 | PROVIDE WITH HARD-WIRED THERMOSTAT, INDOOR UNIT POWERED BY OUTDOOR UNIT, MANUFACTURER PROVIDED CONDENSATE PUMP BLUE DIAMOND X87-721 OR EQUAL, INTERLOCK WITH OSA SF-2. |  | 46 |

DUCTLESS SPLIT SYSTEM HEAT PUMP SCHEDULE (OUTDOOR)

| GENERAL DATA | | | | | COMPRESSOR/CONDENSER | | | | | CAPACITY | | REFRIG. PIPING SIZE | | ELECTRICAL DATA | | | | | REMARKS | EQUIPMENT SUPPORT DETAILS | OPERATING WEIGHT (LB) |
|-----------------------|--------------|----------|----------|---|----------------------|-----------------|-------------|------|------|------------------------|------------------------|---------------------|---------|-----------------|-----|------|-------------------------|--|------------------------|---------------------------|-----------------------|
| TAG | MANUFACTURER | MODEL | LOCATION | INDOOR UNIT | QTY. | TYPE | REFRIGERANT | SEER | HSPF | COOLING CAPACITY (MBH) | HEATING CAPACITY (MBH) | LIQUID | SUCTION | V/PH/Hz | MCA | MOPP | MIN SCOR 1 | | | | |
| <div>SSHP 1</div> | CARRIER | 38VMA036 | ROOF | <div>SSAC 1-1</div> - <div>SSAC 1-4</div> | 1 | ROTARY INVERTER | R-410A | 21.5 | 10.5 | 36.0 | 40.0 | 3/8" | 5/8" | 208/1/60 | 36 | 50 | - | PROVIDE WITH: 1) PROTECTIVE COIL COATING ON OUTDOOR CONDENSER COIL, 2) LOW AMBIENT CONTROLS, 3) EVAPORATOR FREEZE STAT, 4) TIME-DELAY RELAY, 5) ISOLATION RELAY, 6) REFRIGERANT LINES SHALL BE INDIVIDUALLY INSULATED. | <div>5 M-301</div> | 220 | |





AIR DEVICE SCHEDULE

| UNIT NO | TYPE | STYLE | NECK SIZE | CFM RANGE | MODEL | ACCESSORIES |
|---|------------------------|-----------------------------------|-----------|-------------|---|-----------------|
|  | SUPPLY AIR | 24X24 SQUARE CEILING MODULAR CORE | 6"x6" | 0-150 | FOR INSTALLATION IN LAY-IN CEILING: TITUS PMC | REFER TO NOTE 2 |
| | | | 8"x8" | 151-260 | | |
| | | | 10"x10" | 261-350 | FOR INSTALLATION IN HARD LID CEILING: TITUS PMC | |
| | | | 12"x12" | 351-500 | | |
| | | | 16"x16" | 501-650 | | |
| | | | 18"x18" | 651-900 | | |
|  | SUPPLY AIR | DOUBLE DEFLECTION SUPPLY GRILLE | 8x8 | 0-260 | TITUS 300RL DOUBLE DEFLECTION 3/4" SPACING STEEL | |
| | | | 12x8 | 261-400 | | |
| | | | 18x8 | 401-600 | | |
| | | | 14x14 | 601-800 | | |
| | | | 16x16 | 401-600 | | |
|  | RETURN AIR | PERFORATED RETURN GRILLE | 6"x6" | 0-200 | TITUS PAR | |
| | | | 8"x8" | 201-300 | | |
| | | | 10"x10" | 301-400 | | |
| | | | 12"x12" | 401-500 | | |
| | | | 15"x15" | 501-750 | | |
| | | | 18"x18" | 751-1,000 | | |
| | | | 22"x22" | 1,001-1,200 | | |
| | | | 12x8 | 0-240 | | |
| 12x12 | 241-600 | | | | | |
| 24x12 | 601-1,100 | | | | | |
| 18x18 | 1,101-1,200 | | | | | |
| 24x16 | 1,201-1,600 | | | | | |
|  | RETURN OR TRANSFER AIR | RETURN OR TRANSFER GRILLE | 30x16 | 1,601-1,800 | | |



- NOTES:
1. SELECT FRAME TYPES BASED ON THE CEILING TYPE.
 2. PROVIDE CABLE OPERATED REMOTE DAMPER, EQUAL TO YOUNG REGULATOR MODEL 5020-1200 WITH YOUNG REGULATOR BOWDEN MODEL 270 RACK AND PINION REMOTE CABLE, FOR HARD LID INSTALLATIONS WHERE MANUAL VOLUME DAMPER IS NOT ACCESSIBLE FOR ADJUSTMENT, LOCATE CONTROLLER PER ARCH. DIRECTION


| | | | |
|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | AS-BUILT | | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | | | |
| DATE COMPLETED: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |


OSA SUPPLY FAN SCHEDULE

| GENERAL DATA | | | | DESIGN | | | ELECTRICAL DATA | | | CONTROL | REMARKS | OPERATING WEIGHT (LBS.) |
|---|--------------|----------|--------|--------|----------|---------|------------------|-----------------------|----------|----------------------------------|---|-------------------------|
| TAG | MANUFACTURER | MODEL NO | TYPE | CFM | ESP (IN) | FAN RPM | MOTOR HSP(WATTS) | OPERATING POWER (BHP) | V/PH/Hz | | | |
|  | S&P | TD-100 | INLINE | 30 | 0.25 | 2,516 | (26) | - | 120/1/60 | INTERLOCK WITH DUCTLESS FAN COIL | PROVIDE BACKDRAFT DAMPER, ALL WIRING AND CONNECTIONS REQUIRED FOR FAN OPERATION, INTERLOCK WITH CARRIER INDOOR UNIT USING LOW VOLTAGE TERMINAL "CN8" LOCATED ON INDOOR UNIT MAINBOARD FOR CONTROL SIGNAL TO FAN, SPEED CONTROLLER FOR BALANCING | 4 |
|  | S&P | TD-100 | INLINE | 30 | 0.25 | 2,500 | (29) | - | 120/1/60 | INTERLOCK WITH DUCTLESS FAN COIL | PROVIDE BACKDRAFT DAMPER, ALL WIRING AND CONNECTIONS REQUIRED FOR FAN OPERATION, INTERLOCK WITH CARRIER INDOOR UNIT USING LOW VOLTAGE TERMINAL "CN8" LOCATED ON INDOOR UNIT MAINBOARD FOR CONTROL SIGNAL TO FAN, SPEED CONTROLLER FOR BALANCING | 6 |
|  | S&P | TD-100 | INLINE | 50 | 0.25 | 2,500 | (29) | - | 120/1/60 | INTERLOCK WITH DUCTLESS FAN COIL | PROVIDE BACKDRAFT DAMPER, ALL WIRING AND CONNECTIONS REQUIRED FOR FAN OPERATION, INTERLOCK WITH CARRIER INDOOR UNIT USING LOW VOLTAGE TERMINAL "CN8" LOCATED ON INDOOR UNIT MAINBOARD FOR CONTROL SIGNAL TO FAN, SPEED CONTROLLER FOR BALANCING | 6 |
|  | S&P | TD-100 | INLINE | 50 | 0.25 | 2,500 | (29) | - | 120/1/60 | INTERLOCK WITH DUCTLESS FAN COIL | PROVIDE BACKDRAFT DAMPER, ALL WIRING AND CONNECTIONS REQUIRED FOR FAN OPERATION, INTERLOCK WITH CARRIER INDOOR UNIT USING LOW VOLTAGE TERMINAL "CN8" LOCATED ON INDOOR UNIT MAINBOARD FOR CONTROL SIGNAL TO FAN, SPEED CONTROLLER FOR BALANCING | 6 |

GRAVITY VENTILATOR SCHEDULE

| GENERAL DATA | | | | | | | REMARKS | OPERATING WEIGHT (LB) |
|---|--------------|-----------|---------|-----|--------------|-----------------------|---|-----------------------|
| TAG | MANUFACTURER | MODEL NO. | TYPE | CFM | TSP (IN. WG) | THROAT AREA (SQ. FT.) | | |
|  | GREENHECK | GRSI-12 | INTAKE | 470 | .055 | 0.82 | PROVIDE INSECT & BIRDSCREEN, PROVIDE WITH FACTORY SUPPLIED DAMPER AND 12" HIGH MANUFACTURERS CURB | 10 |
|  | GREENHECK | GRSR-12 | EXHAUST | 470 | .040 | 0.82 | PROVIDE INSECT & BIRDSCREEN, PROVIDE WITH FACTORY SUPPLIED DAMPER AND 12" HIGH MANUFACTURERS CURB | 10 |

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92104



CASA CASILLAS ARTIST SPACE
50 4TH AVENUE. CHULA VISTA, CA
MECHANICAL SCHEDULES



CITY OF CHULA VISTA
PUBLIC WORKS
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CHULA VISTA, CA
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DATE:

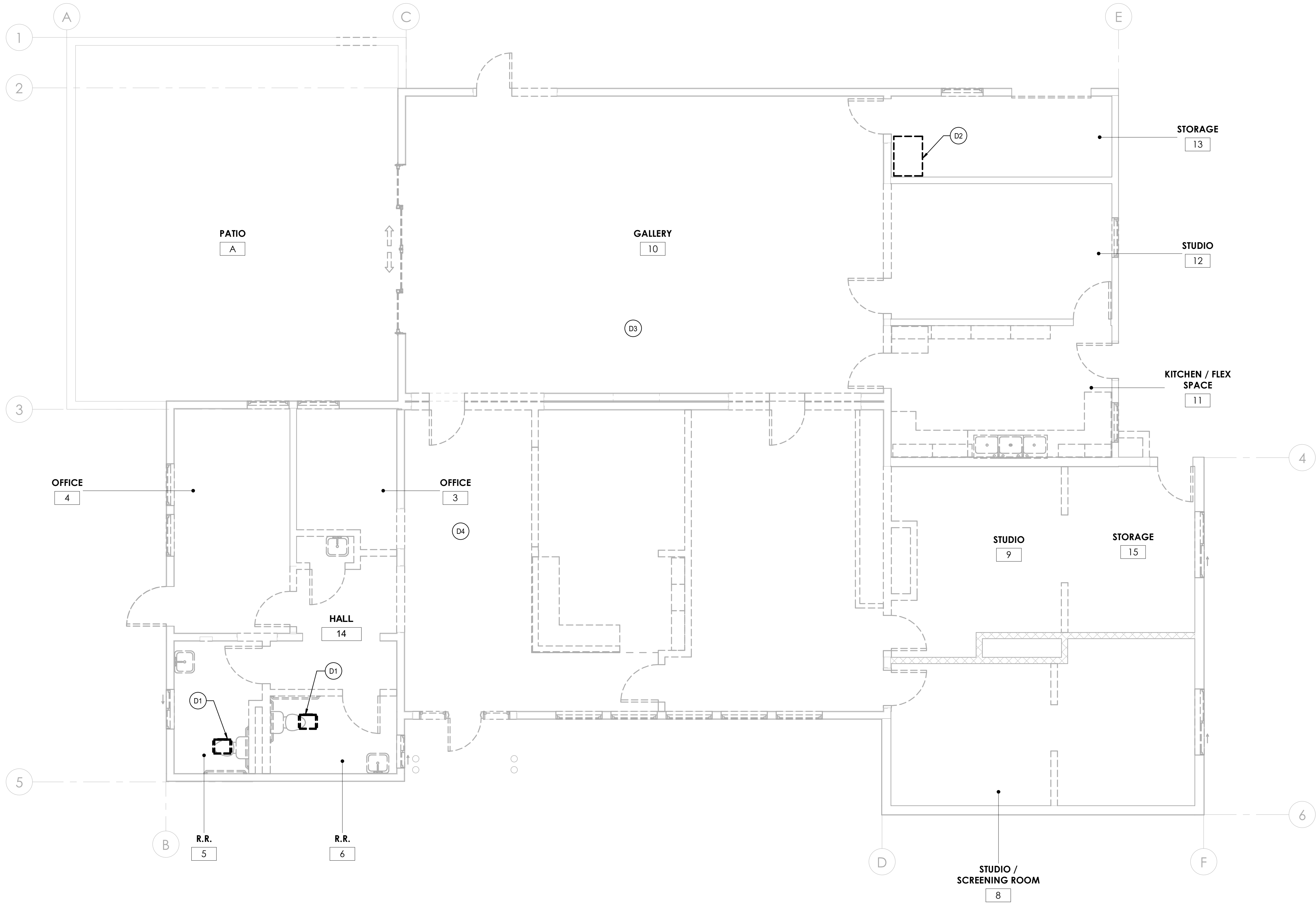
DRAWING NO.

CESAR RODRIGUEZ, P.E.
MECHANICAL ENGINEER

M-002

M-002

| | | | | |
|----|----|--------------------------------------|---|---|
| 3. | 2. | REVISION BY / DATE APPD / DATE | REFERENCES DWG. NO.: CCV DWG No. 15024 | DESIGNED BY: MB |
| | | | | SCALE |
| | | | | DESIGNED BY: MB |
| | | | | DESIGNED BY: GT |
| | | | | DATUM |
| | | | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1981.35 VERTICAL: NAVD88 |



| KEYNOTES | |
|----------|--|
| D1 | REMOVE CEILING MOUNTED EXHAUST FAN AND ASSOCIATED DUCTWORK. PATCH AND REPAIR ROOF PENETRATION. |
| D2 | REMOVE GAS FURNANCE, FLUE AND ALL ASSOCIATED APPURTENANCES. |
| D3 | REMOVE ALL DUCTWORK AND AIR DEVICES FED BY EXISTING FURNACE. |
| D4 | REMOVE ALL DUCTWORK AND AIR DEVICES FED BY EXISTING ROOFTOP AC UNIT. |

1

MECHANICAL DEMOLITION FLOOR PLAN

SCALE: 1/4" = 1'-0"

0

1'

2'


4'


8'

12'

SCALE: 1/4"=1'-0"

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|----------------|-------------|
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| INSPECTOR: | PRINTED NAME: | ARCHITECT NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |


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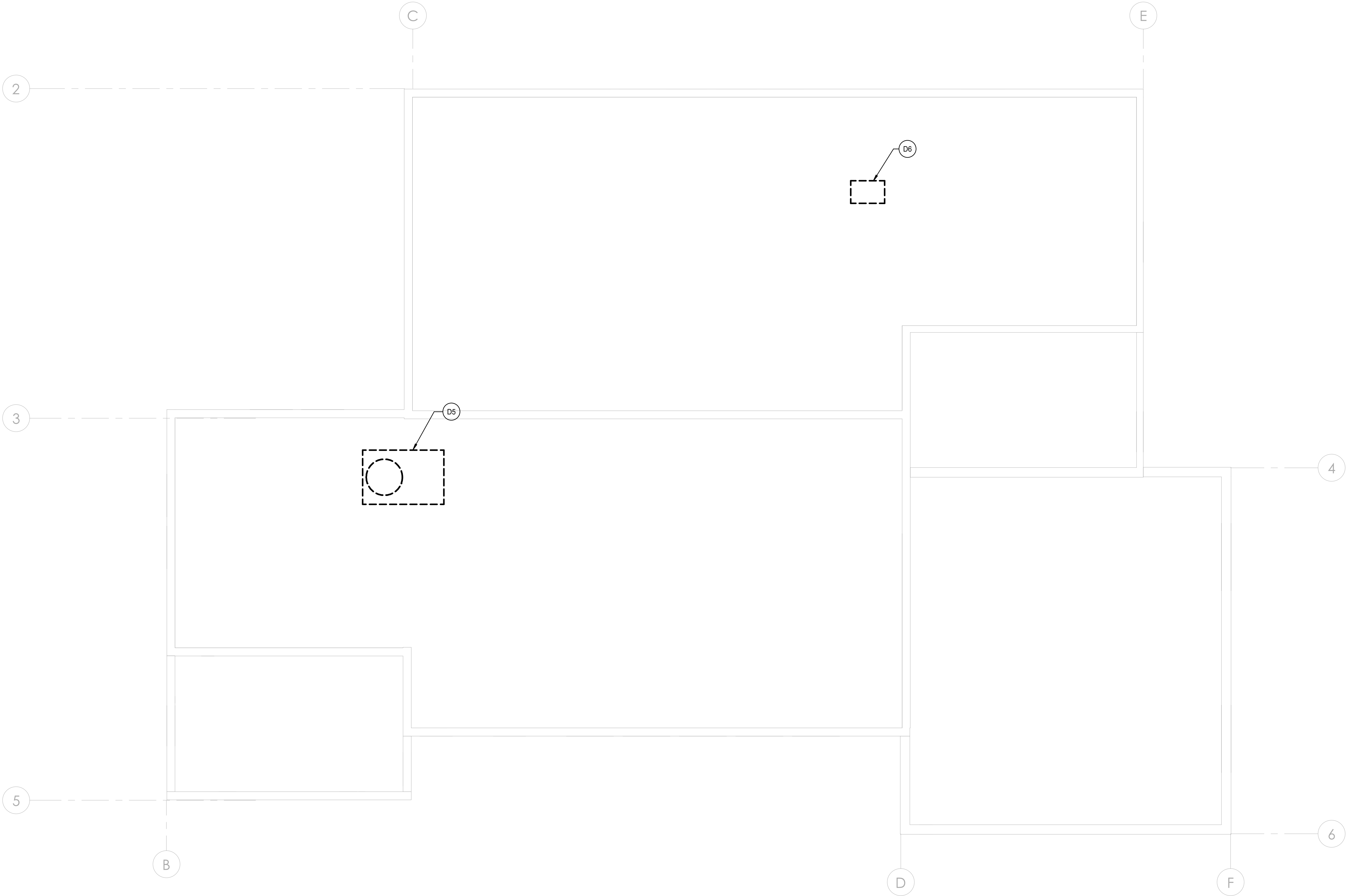


| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA MECHANICAL DEMOLITION FLOOR PLAN | | | |
|--|--------------|---|--|
| | |  | CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTACA.GOV |
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| CESAR RODRIGUEZ, P.E. MECHANICAL ENGINEER | | | M-101 |

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CHULA VISTA

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PUBLIC WORKS
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CHULA VISTA, CA
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| | | |
|----------------------|--|----|
| DATUM | HORIZONTAL: CCS 83 ZONE 6, EPOCH 1981.35 | |
| | VERTICAL: NAVD88 | |
| | | |
| SCALE | HORIZONTAL: 1"=20' | |
| | VERTICAL: 1"=4' | |
| DESIGNED BY: | MB | MB |
| | DESIGNED BY: | GT |
| REFERENCES DWG. NO.: | | |
| OCV DWG No. 15024 | | |
| REVISION | BY / DATE | |
| | APPD / DATE | |
| | 2. | |
| | 3. | |



| KEYNOTES | |
|----------|---|
| D5 | REMOVE EXISTING ROOFTOP AC UNIT AND ALL ASSOCIATED APPURTENANCES. |
| D6 | REMOVE EXISTING ROOFTOP MOUNTED CONDENSING UNIT AND ALL ASSOCIATED APPURTENANCES. |

1

MECHANICAL DEMOLITION ROOF PLAN

SCALE: 1/4" = 1'-0"

0

1'

2'

4'

8'

12'

SCALE: 1/4"=1'-0"

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|----------------|-------------|
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| INSPECTOR: | PRINTED NAME: | ARCHITECT NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |

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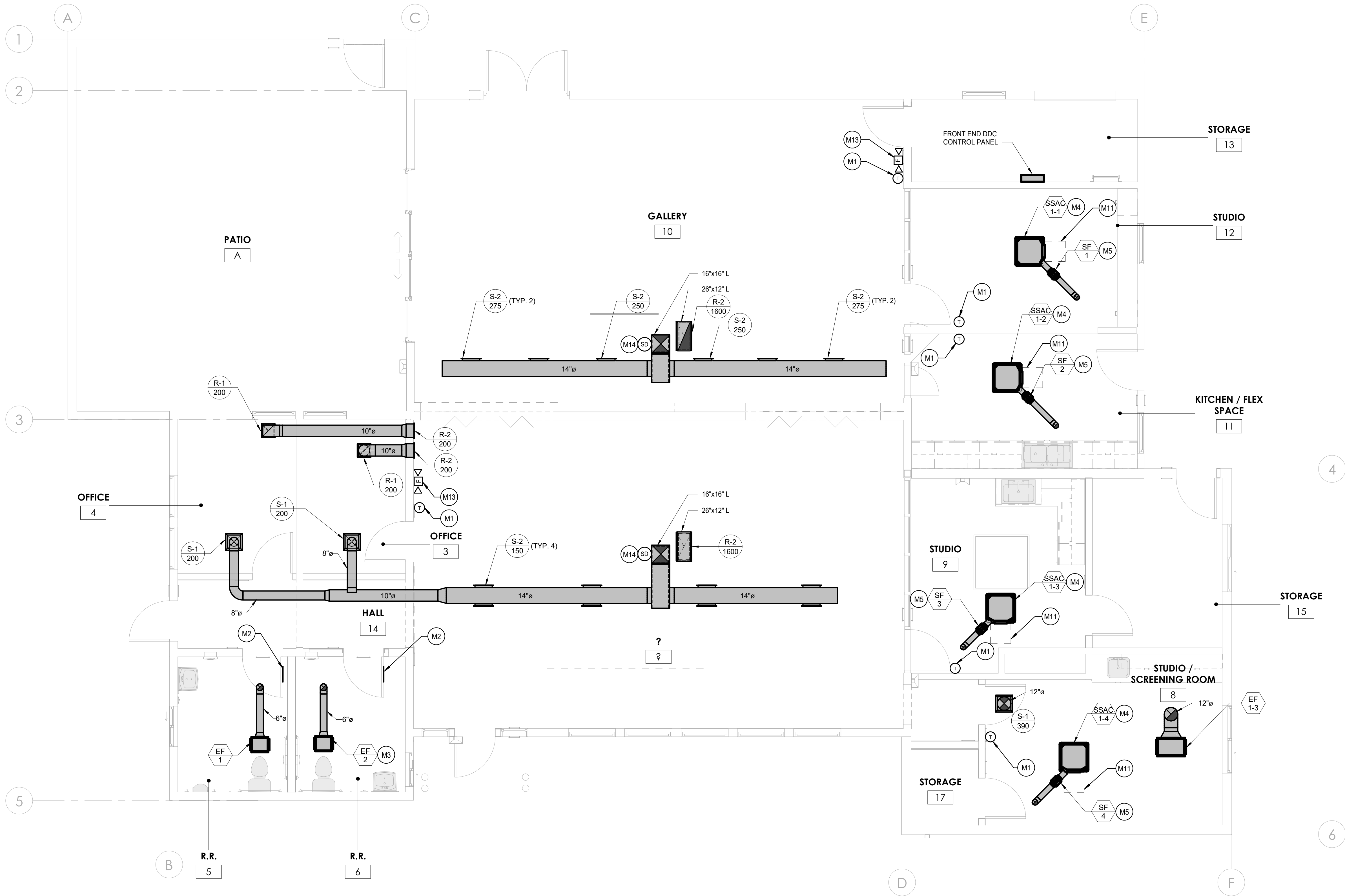
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M33447
exp. 06/30/24
MECHANICAL
STATE OF CALIFORNIA
11/11/22

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SAN DIEGO, CALIFORNIA
92104

| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE, CHULA VISTA, CA MECHANICAL DEMOLITION ROOF PLAN | | | |
|---|--|--------------|-------------|
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| CESAR RODRIGUEZ, P.E. MECHANICAL ENGINEER | | DATE: | M-102 |

| | | | | |
|----------------------|--|--------------|--|------------------|
| 3. | | REVISION | BY / DATE | APPD / DATE |
| 2. | | | | |
| REFERENCES DWG. NO.: | | DESIGNED BY: | MB | MB |
| CCV DWG No. 15024 | | | | |
| SCALE | | DESIGNED BY: | MB | GT |
| HORIZONTAL: 1"=20' | | | | |
| VERTICAL: 1"=4' | | DATUM | HORIZONTAL: CCS 83 ZONE 6, EPOCH 1981.35 | VERTICAL: NAVD88 |
| | | | | |



1 MECHANICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8' 12'
SCALE: 1/4"=1'-0"

| KEYNOTES | |
|----------|---|
| M1 | THERMOSTAT, MOUNT PER DETAIL 1/M-300. |
| M2 | PROVIDE 12"x12" ANEMOSTAT AFDL DOOR LOUVER. |
| M3 | CEILING MOUNTED EXHAUST FAN, ROUTE 6" Ø DUCT UP TO ROOF. |
| M4 | CEILING MOUNTED CASSETTE UNIT, MOUNT PER DETAIL 1/M-301. |
| M5 | INLINE SUPPLY FAN, ROUTE 4" Ø DUCT UP TO ROOF. |
| M11 | 18"x18" ACCESS PANEL PAINTED TO MATCH CEILING COLOR. |
| M13 | SYSTEM SENSOR APA151 SMOKE DETECTOR VISIBLE AND AUDIBLE ALARM. REFER TO DETAIL 2/M-301 FOR ADDITIONAL INFORMATION. |
| M14 | SYSTEM SENSOR DUCTSD SMOKE DETECTOR MOUNTED ON SUPPLY AIR DUCT. REFER TO DETAIL 2/M-301 FOR ADDITIONAL INFORMATION. |

SHEET NOTES

- UPON DETECTION OF SMOKE THE DUCT SMOKE DETECTOR ACTIVATION WILL RESULT IN THE IMMEDIATE LOSS OF POWER TO THE AIR MOVING EQUIPMENT. AIR MOVING EQUIPMENT SERVING THE SAME SPACE SHALL BE INTERCONNECTED FOR GLOBAL SHUTDOWN.
- DUCT SMOKE DETECTOR SHALL BE INSTALLED ON SUPPLY AIR DUCT, REFER TO DETAIL 2/M-301 FOR CROSS SECTIONAL DETAIL.

| CONSTRUCTION RECORD | | AS-BUILT | |
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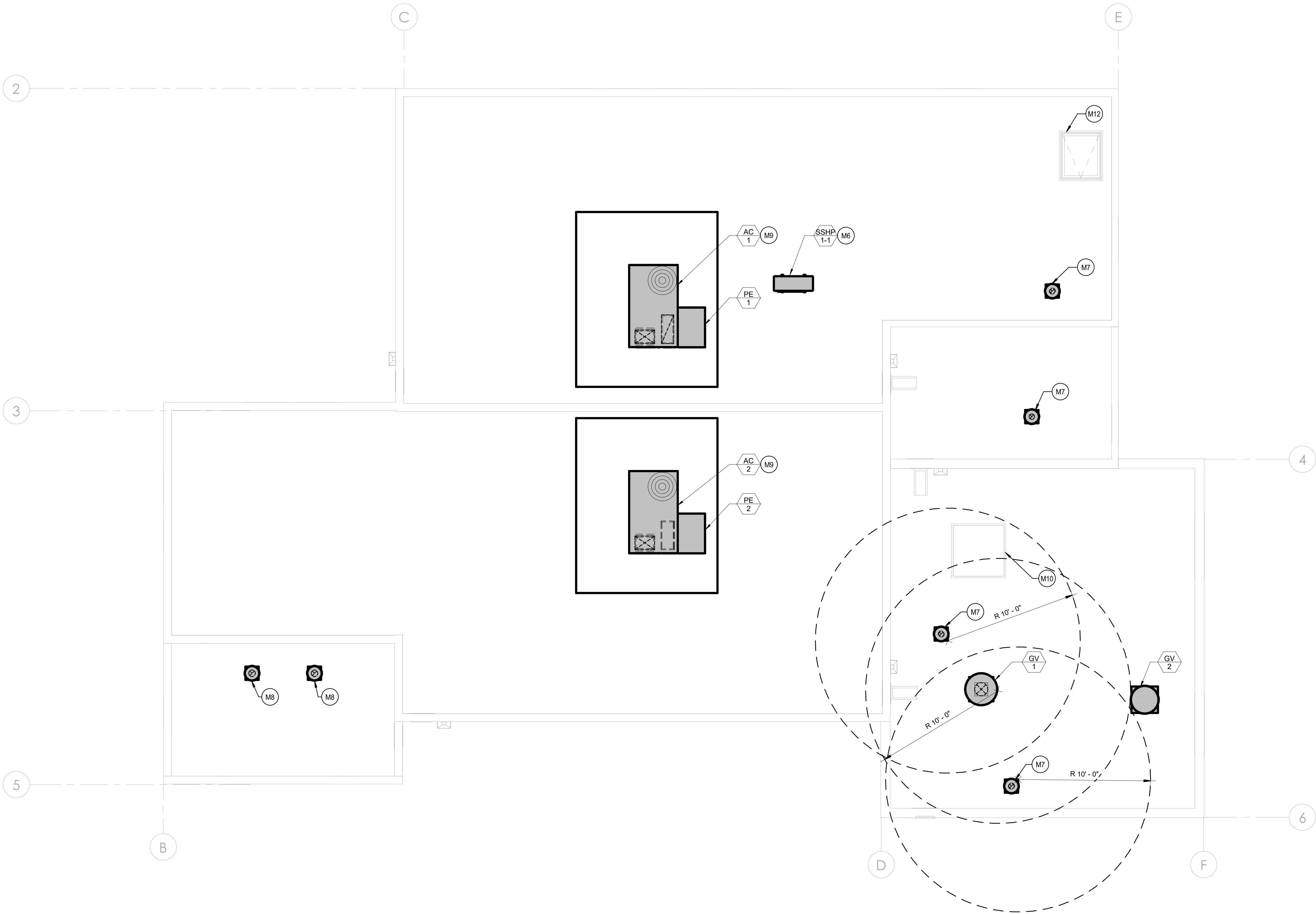
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| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA MECHANICAL FLOOR PLAN | | | |
|---|--|--------------------------------------|--|
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|------|----------|-----------|-------------|----------------------|--------------|---------------------------------------|--|
| | | | | | | | |
| 3. | 2. | | | CCV DWG No. 15024 | MB | HORIZONTAL: 1"=20' VERTICAL: 1"=4' | HORIZONTAL: CCS 83 ZONE 6, EPOCH 1991.35 VERTICAL: NAVD88 |



1 MECHANICAL ROOF PLAN
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8' 12'
SCALE: 1/4"=1'-0"

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|----------------|-------------|
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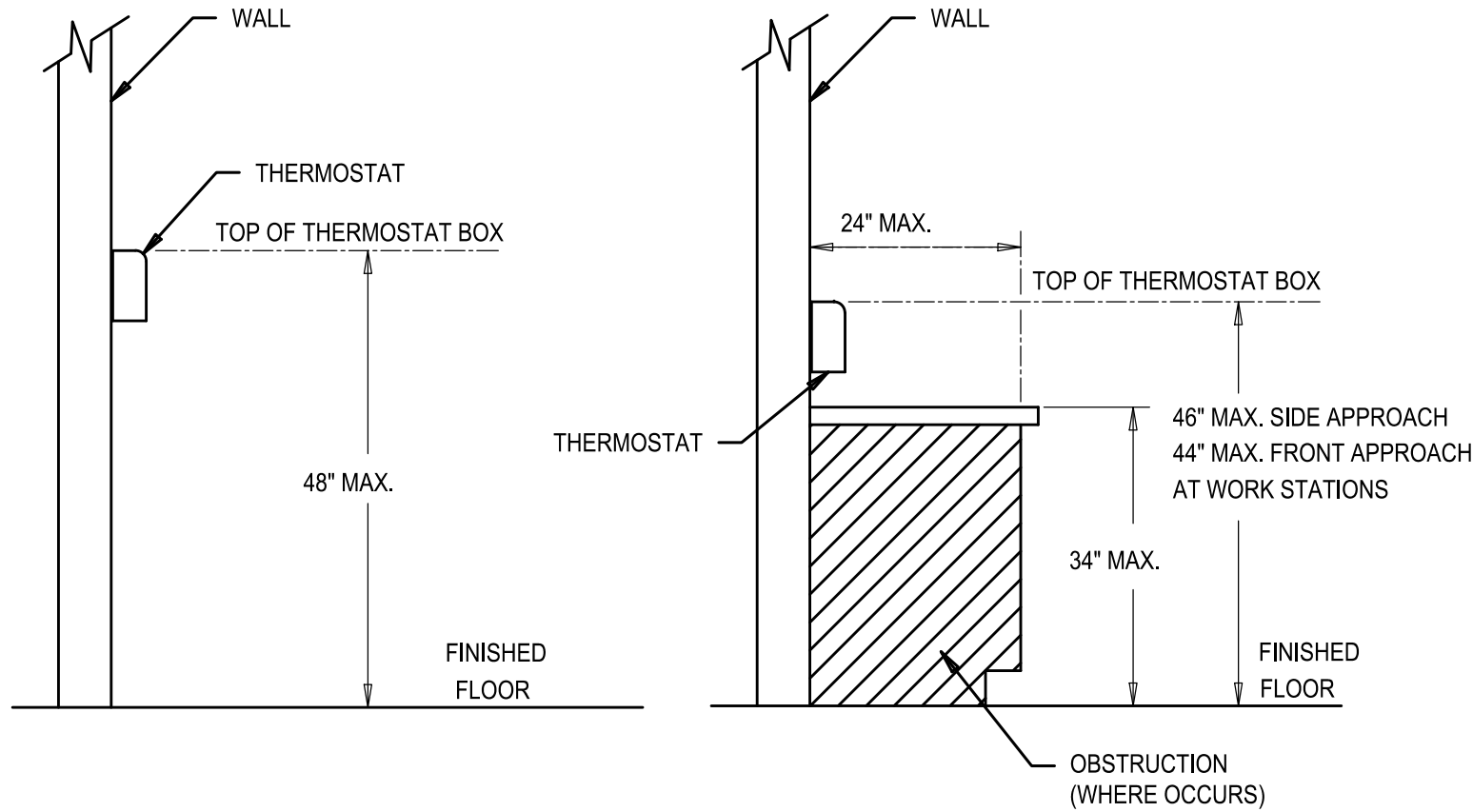
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| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA MECHANICAL ROOF PLAN | | | |
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| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | |
| CESAR RODRIGUEZ, P.E. MECHANICAL ENGINEER | | DATE: 11/11/22 | |
| | | DRAWING NO. M-202 | |

C:\KRAUT\12/22/22\22 - 3:34PM - 11/11/22 10:35:50 - CITY OF CHULA VISTA, SOUTH BAY, YVEA, TENANT, IMPROVEMENTS, 10335, 501, M-300, MECHANICAL DETAILS, DWG

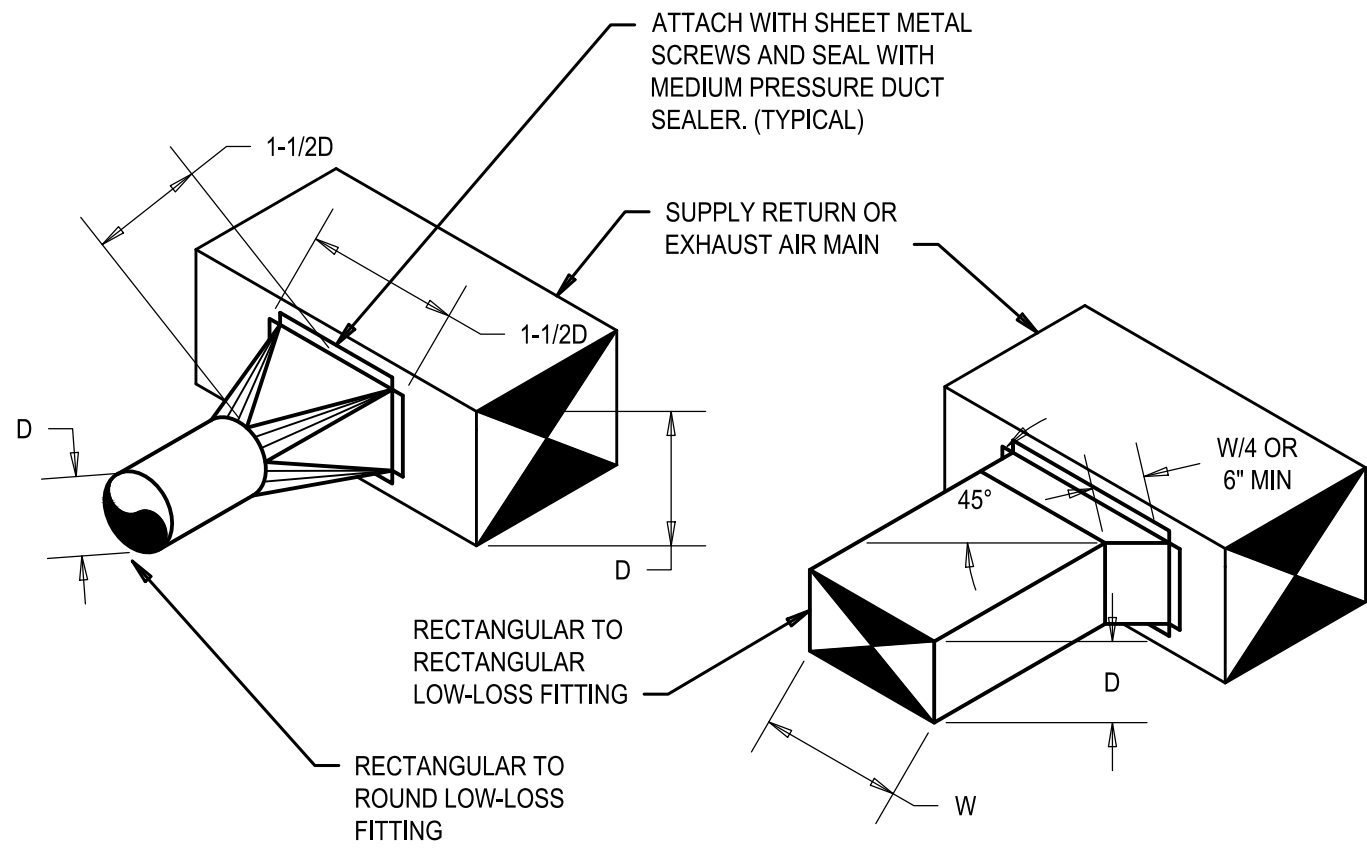
| REVISION | 1. | 2. | 3. |
|---|----|----|----|
| BY / DATE | | | |
| APPD / DATE | | | |
| REFERENCES DWG. NO.: CCV DWG No. 15024 | | | |
| DESIGNED BY: MB MB GT | | | |
| SCALE: HORIZONTAL: 1"=20' VERTICAL: 1"=4' | | | |
| DATUM: HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 VERTICAL: NAVD83 | | | |



THERMOSTAT MOUNTING DETAIL

NO SCALE

1
M-300



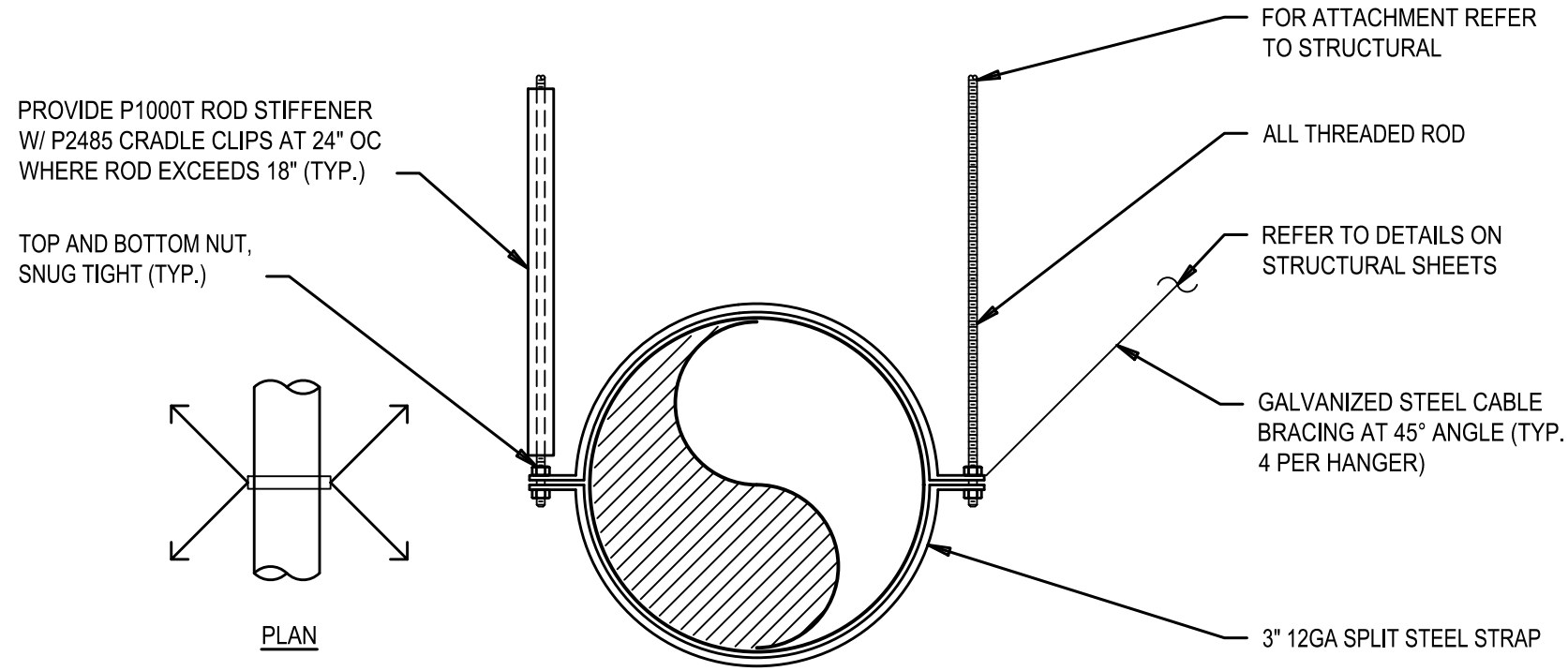
DETAIL NOTE

1. ALL BRANCH TAKE OFFS SHALL HAVE LOW-LOSS FITTINGS.

LOW LOSS FITTING DETAIL

NO SCALE

2
M-300



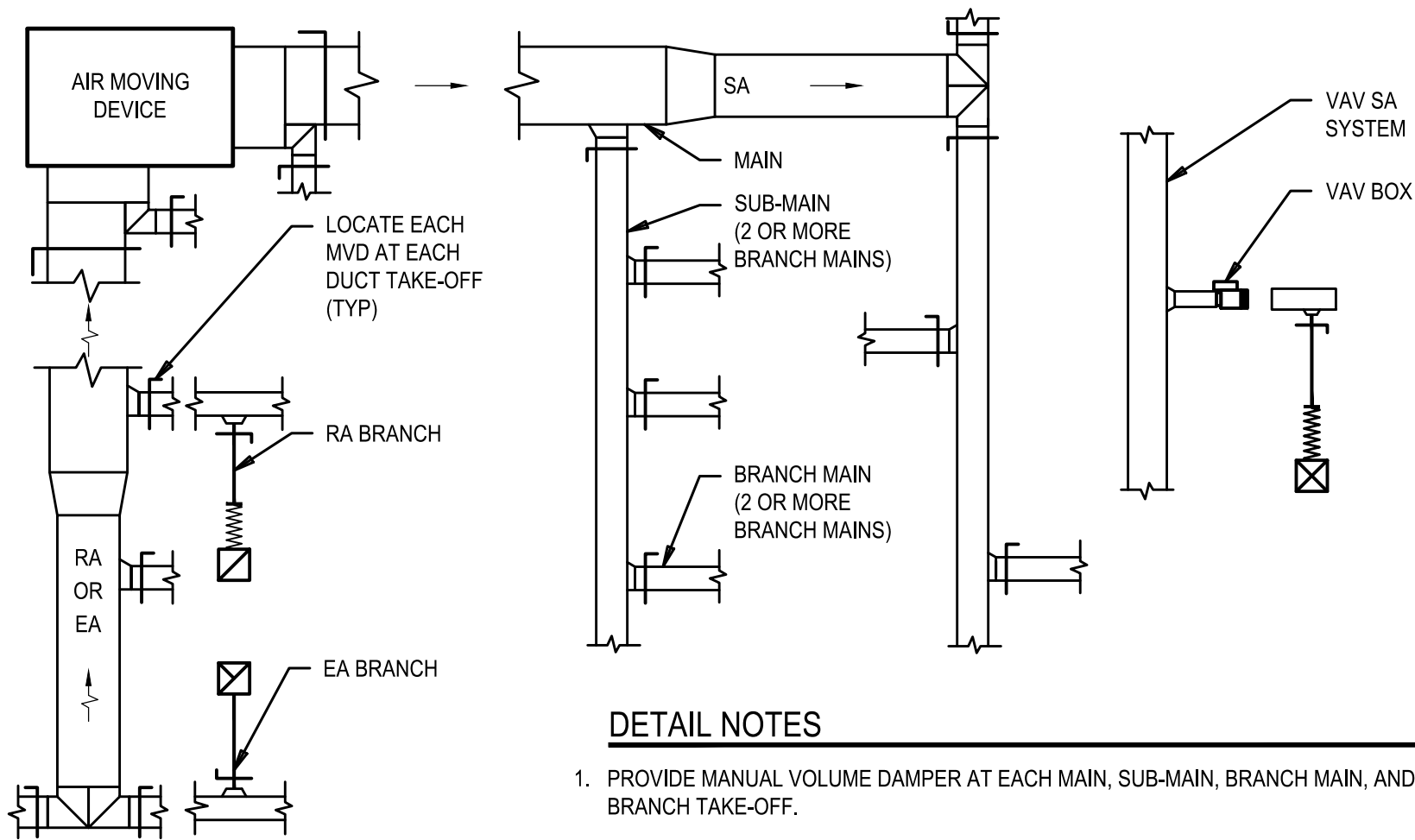
DETAIL NOTES

1. MAXIMUM LOAD NOT TO EXCEED 60 LBS. PER HANGER.
2. PROVIDE RESTRAINT BRACING PER MASON SEISMIC DESIGN MANUAL.

TYPICAL ROUND DUCT SUPPORT DETAIL

NO SCALE

3
M-300



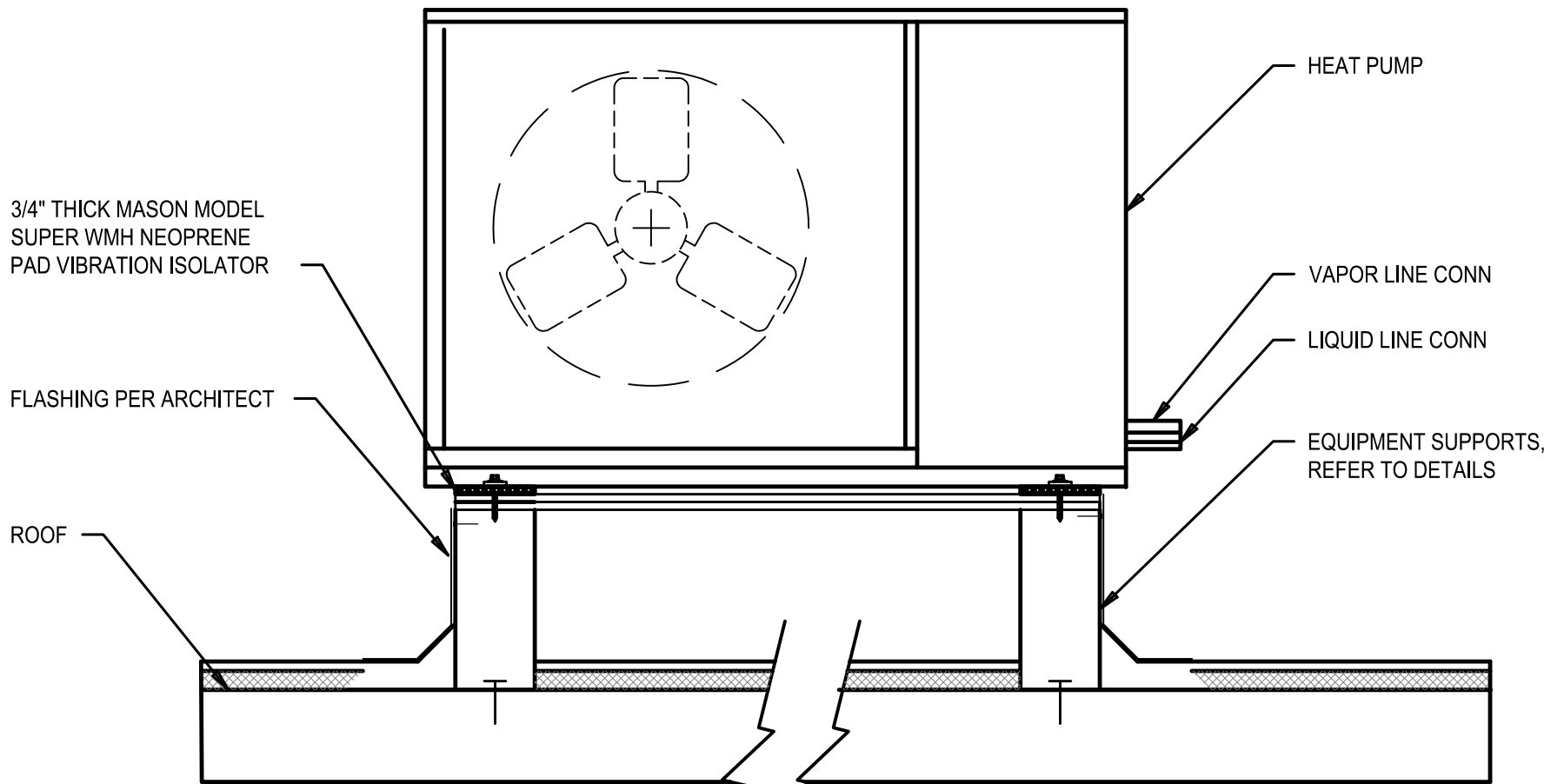
DETAIL NOTES

1. PROVIDE MANUAL VOLUME DAMPER AT EACH MAIN, SUB-MAIN, BRANCH MAIN, AND BRANCH TAKE-OFF.
2. PROVIDE CEILING ACCESS TO ALL DAMPERS
3. PROVIDE CABLE OPERATED REMOTE DAMPERS IN HARD LIDS PER AIR DISTRIBUTION SCHEDULE.

TYPICAL MANUAL VOLUME DAMPER LOCATION DIAGRAM

NO SCALE

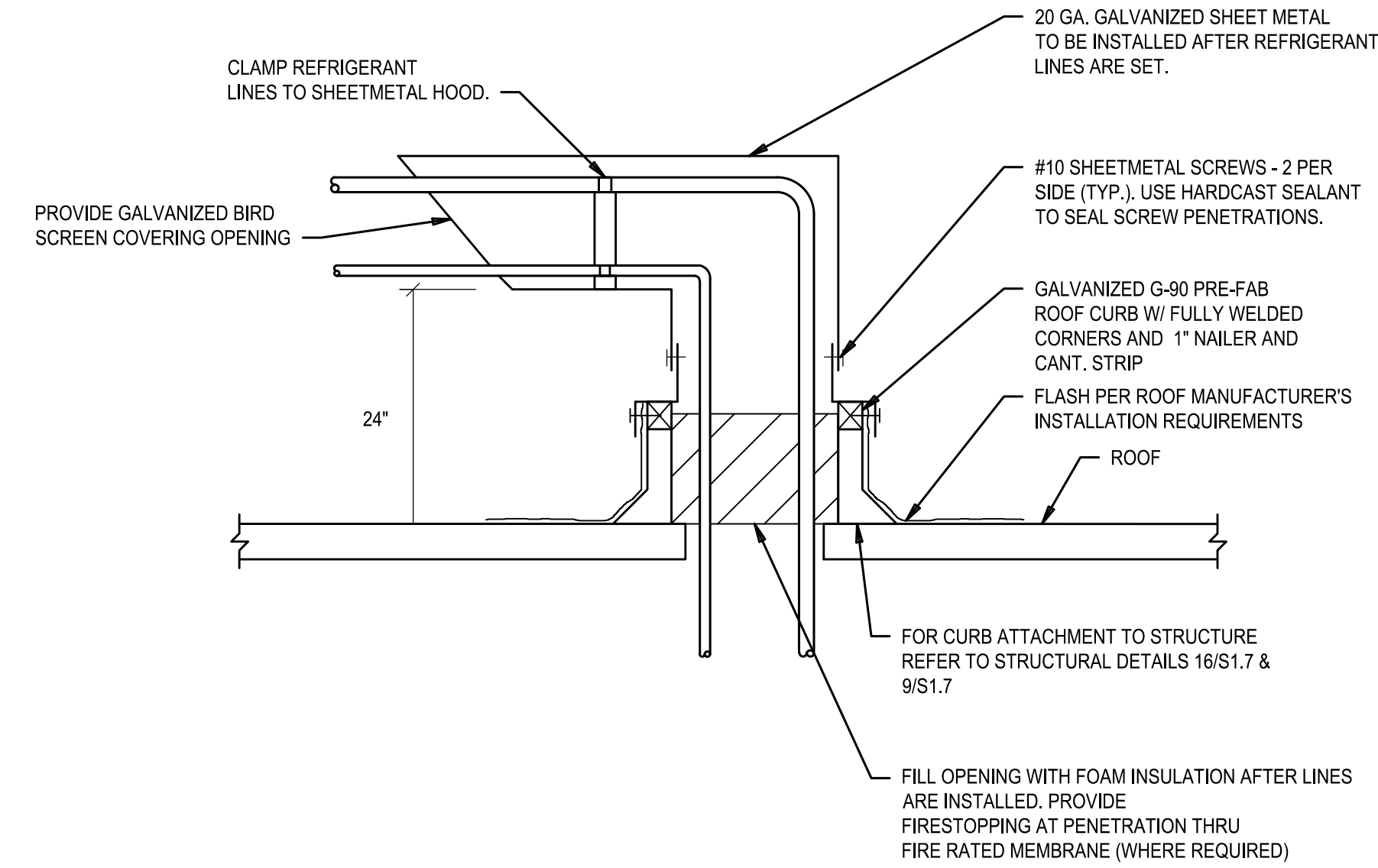
4
M-300



ROOF MOUNTING CONDENSING/HEAT PUMP UNIT DETAIL

NO SCALE

5
M-300




REFRIGERANT PIPING PENETRATION THRU ROOF


NO SCALE

6
M-300

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
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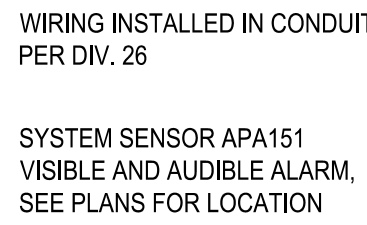


| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA MECHANICAL DETAILS | | | |
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| | |  CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTA.CA.GOV | DRAWING NO. M-300 |

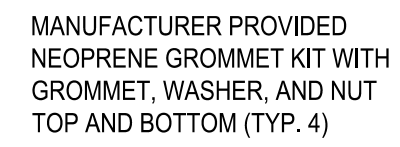
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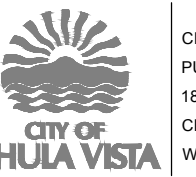
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AS-BUILT

CASA CASILLAS ARTIST SPACE
50 4TH AVENUE. CHULA VISTA, CA
MECHANICAL DETAILS



CITY OF CHULA VISTA
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RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022

APPROVED BY:

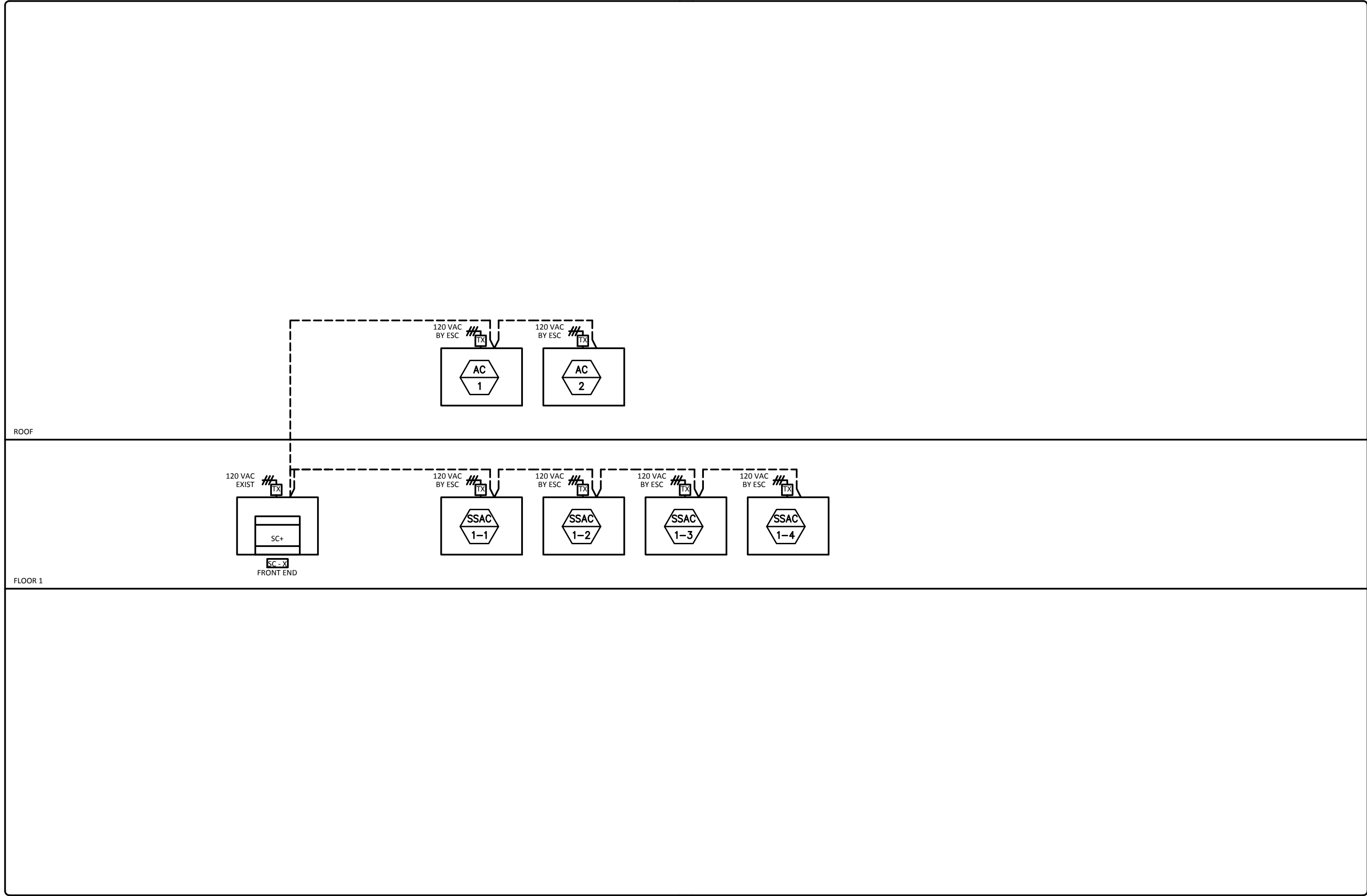
DATE: _____

DRAWING NO.

CESAR RODRIGUEZ, P.E.
MECHANICAL ENGINEER

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| | | | | | |
|---|--|-------------|----|----|----|
| REFERENCES DWG. NO.: | | REVISION | 1. | 2. | 3. |
| CCV DWG No. 15024 | | BY / DATE | | | |
| | | APPD / DATE | | | |
| DESIGNED BY: | | MB | | | |
| | | MB | | | |
| DESIGNED BY: | | GT | | | |
| SCALE | | | | | |
| HORIZONTAL: 1"=20' | | | | | |
| VERTICAL: 1"=4' | | | | | |
| DATUM | | | | | |
| HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | | | | |
| VERTICAL: NAVD83 | | | | | |





DDC SYSTEM ARCHITECTURE
NO SCALE

1
M-400

- ### SHEET NOTES
1. CONTROLS CONTRACTOR SHALL PROVIDE AND INSTALL COMPLETE NATIVE BACNET CONTROL SYSTEM THAT IS FULLY CAPABLE OF INTEGRATING WITH THE EXISTING CITY EMCS.
 2. EXTERIOR MOUNTED CONTROLLERS SHALL BE INSTALLED IN NEMA 3R HOUSINGS.
 3. CONTROL TRANSFORMERS SHALL BE PROVIDED AT ALL REQUIRED CONTROL PANELS. TRANSFORMER PROVIDED AND INSTALLED BY DIVISION 23. ALL REQUIRED 120 VAC WIRING PROVIDED, INSTALLED, AND CONNECTED TO TRANSFORMER BY DIVISION 26.
 4. RISER IS DIAGRAMMATIC AND MAY NOT SHOW ALL REQUIRED EQUIPMENT SUCH AS POWER SUPPLIES, ETC. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A FULLY FUNCTIONAL SYSTEM WITH ALL REQUIRED DEVICES.
 5. CONTRACTOR SHALL PROVIDE A COORDINATION MEETING WITH THE CITY ONCE THE PROJECT IS AWARDED TO COORDINATE THE REQUIRED LOGISTICS.
 6. ROOM TEMPERATURE SENSOR LOCATED AT THE DUCTLESS SPLIT SYSTEMS ARE REQUIRED TO SEND AN ALARM TO THE DISTRICT EMCS SYSTEM IF ROOM TEMPERATURE EXCEEDS SET POINT.

| | | | |
|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |

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ENGINEERING, INC.
CONSULTING ENGINEERS
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E-MAIL: ENGINEER@TREISD.COM
TREI # 21035.S01
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11/11/22

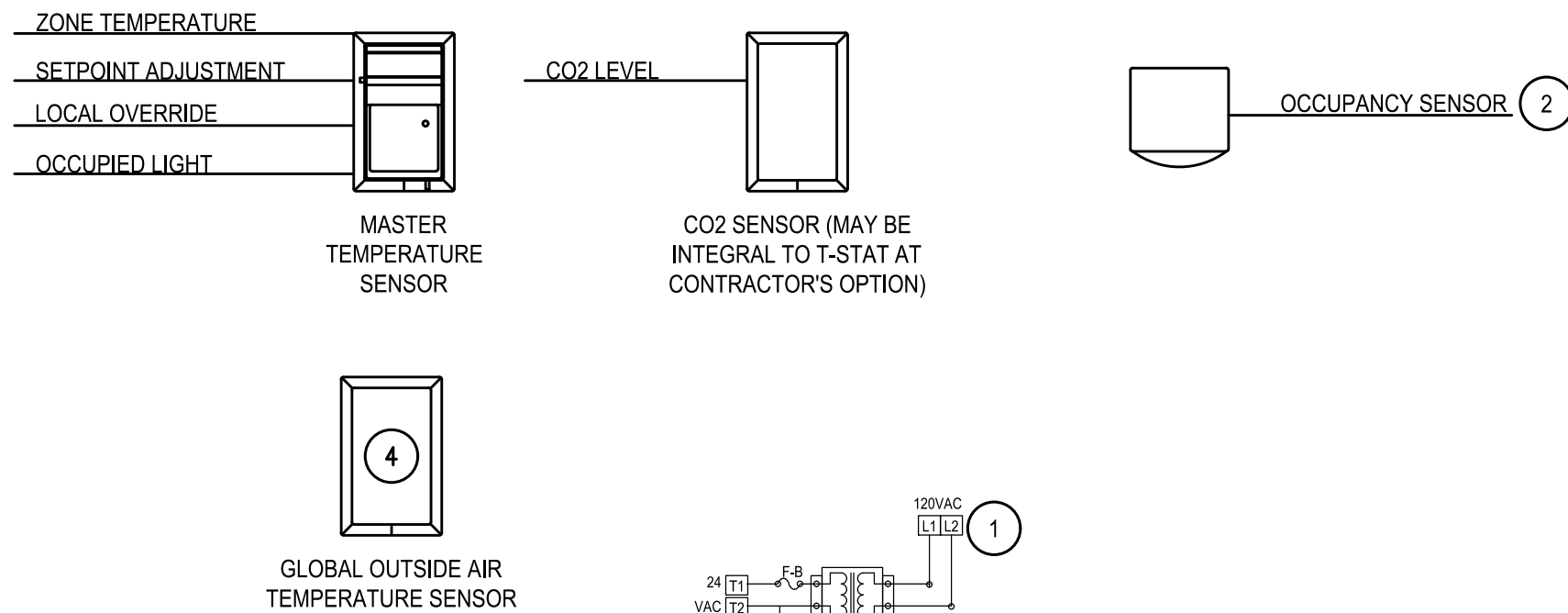
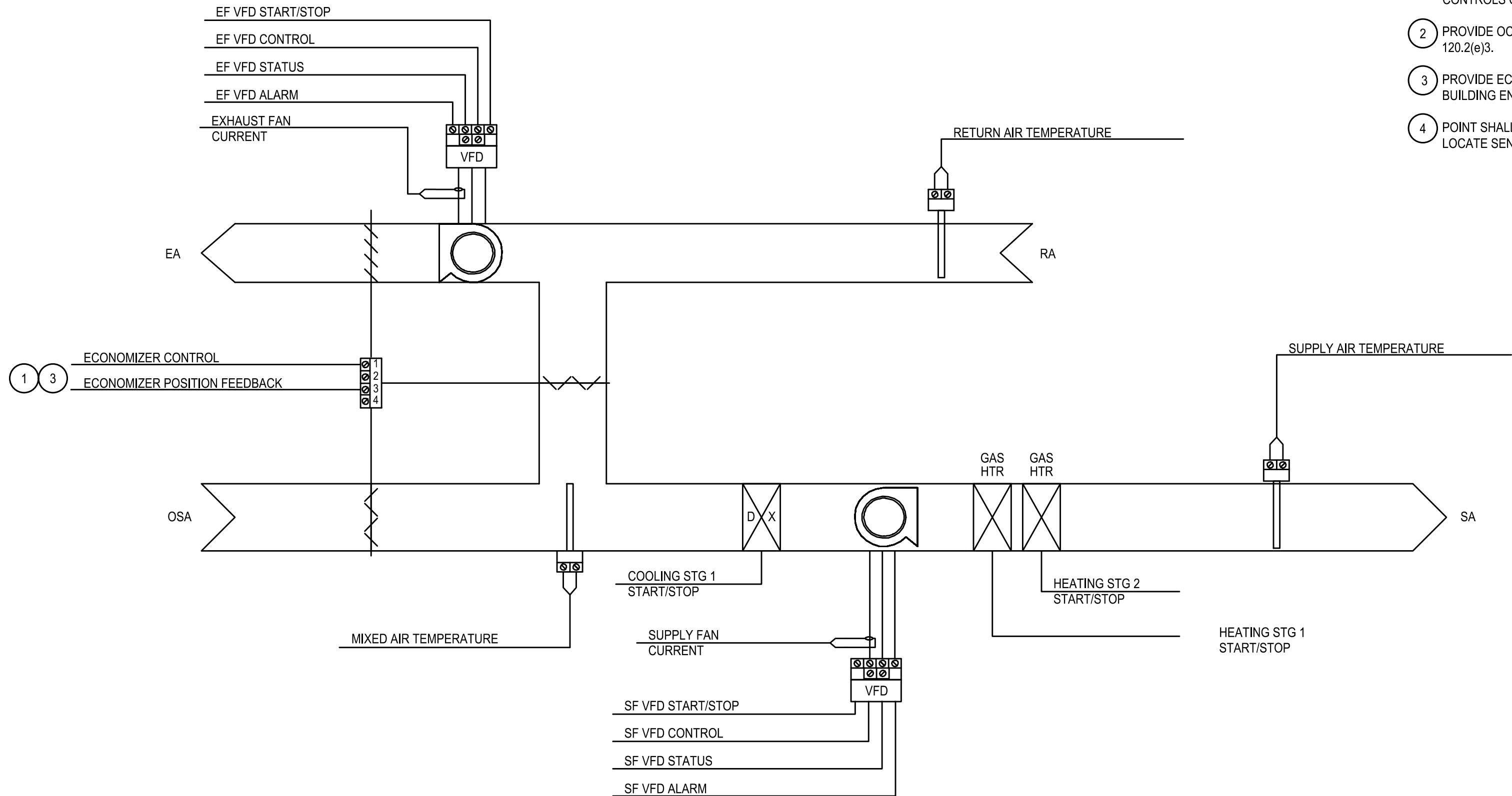
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4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104



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| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA MECHANICAL CONTROLS | | | |
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. |
| CESAR RODRIGUEZ, P.E. MECHANICAL ENGINEER | | DATE: | M-400 |

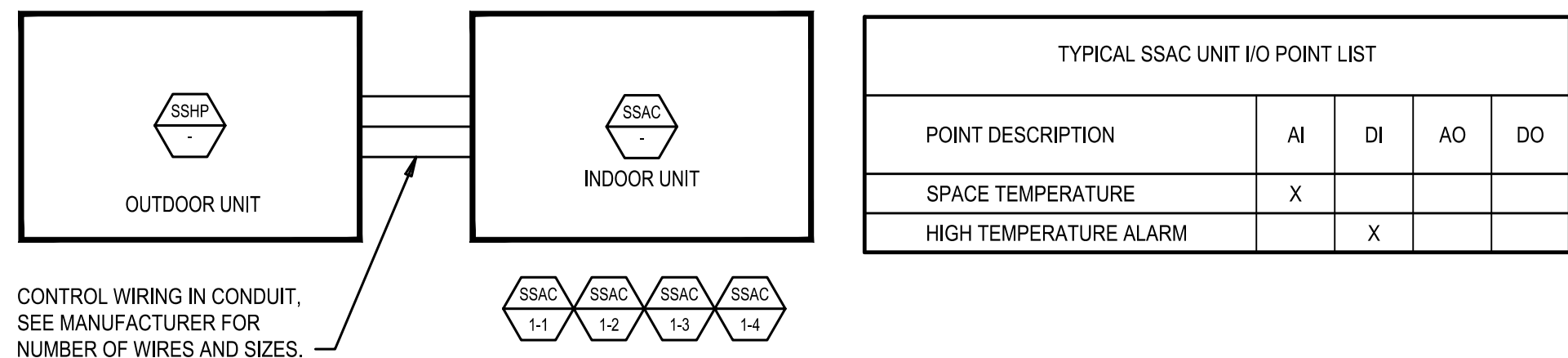
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| | APPD / DATE | | |
| | REFERENCES DWG. NO.: | | |
| | CCV DWG No. 15024 | | |
| | DESIGNED BY: MB | | |
| SCALE | | | |
| HORIZONTAL: 1"=20' | | | |
| VERTICAL: 1"=4' | | | |
| DESIGNED BY: GT | | | |
| DATUM | | | |
| HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | | |
| VERTICAL: NAVD88 | | | |



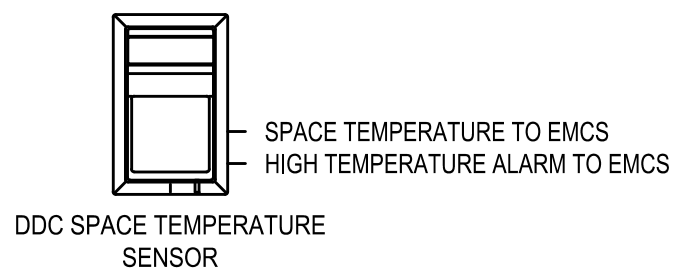
PACKAGED ROOFTOP AC UNIT W/ POWER EXHAUST CONTROL DIAGRAM

NO SCALE



SEQUENCE OF OPERATION

- UNIT CONTROLS SHALL BE MANUFACTURER'S STAND-ALONE PACKAGED CONTROLS. INDOOR UNIT AND OUTDOOR UNIT SHALL START/STOP TO MAINTAIN ROOM TEMPERATURE SETPOINT.
- PROVIDE SPACE TEMPERATURE AND HIGH TEMPERATURE ALARM TO EMCS FROM SEPARATE SPACE TEMPERATURE SENSOR.



DUCTLESS SPLIT SYSTEM AC CONTROL

NO SCALE

KEYNOTES

- MINIMUM OUTDOOR AIR DAMPER POSITION FOR EACH CONTROL STRATEGY AND EACH SUPPLY FAN STAGE (IF APPLICABLE) SHALL BE DETERMINED BY TAB CONTRACTOR AND COORDINATED WITH CONTROLS CONTRACTOR.
- PROVIDE OCCUPANCY SENSOR PER 2019 BUILDING ENERGY EFFICIENCY STANDARDS SECTION 120.2(e)3.
- PROVIDE ECONOMIZER FAULT DETECTION AND DIAGNOSTICS (FDD) THROUGH EMCS PER 2019 BUILDING ENERGY EFFICIENCY STANDARDS SECTION 120.2(i) AND SECTION 140.4(e)4.
- POINT SHALL BE SHARED ACROSS CONTROL NETWORK FOR REFERENCE BY OTHER SYSTEMS. LOCATE SENSOR ON NORTH SIDE OF BUILDING.

SEQUENCE OF OPERATION

- START/STOP**
 - IN RESPONSE TO A TIME OF DAY SCHEDULE, THE HVAC UNIT SHALL BE COMMANDED ON. AN OVERRIDE TIMER BUTTON SHALL BE USED DURING SCHEDULED OFF MODE TO INDEX SYSTEM INTO AN OCCUPIED MODE FOR 1 HOUR (ADJ.).
 - IF MOTION IS NOT DETECTED FOR 30 MINUTES (ADJ.) FROM THE INTEGRAL PASSIVE INFRARED MOTION DETECTOR, THE UNIT SHALL REVERT TO UNOCCUPIED MODE AND BE COMMANDED OFF.
 - UNOCCUPIED MODE SHALL BE DEFINED AS TIMES WHEN THE HVAC UNIT IS IN SCHEDULED OFF MODE OR IN SCHEDULED ON MODE AND THE MOTION DETECTOR HAS NOT DETECTED MOTION FOR 30 MINUTES (ADJ.) OR MORE. THE HVAC UNIT SHALL BE COMMANDED ON AS NECESSARY TO MAINTAIN UNOCCUPIED SETPOINTS.
- HVAC UNIT CONTROL**
 - THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY WHILE THE SPACE IS OCCUPIED.
 - COOLING MODE: THE ROOM TEMPERATURE SENSOR WITH OCCUPANCY SENSOR SHALL CALL FOR COOLING WHEN THE SPACE IS ABOVE COOLING SETPOINT. THE PACKAGED UNIT INTERNAL CONTROLS SHALL STAGE THE COMPRESSORS AND COOLING COIL TO MAINTAIN SPACE TEMPERATURE SETPOINT. THE GAS BURNER SHALL BE OFF WHILE IN COOLING MODE.
 - HEATING MODE: THE ROOM TEMPERATURE SENSOR WITH OCCUPANCY SENSOR SHALL CALL FOR HEATING WHEN THE SPACE IS BELOW HEATING SETPOINT. THE PACKAGED UNIT INTERNAL CONTROLS SHALL STAGE THE GAS BURNERS TO MAINTAIN SPACE TEMPERATURE SETPOINT. THE REFRIGERATION COMPRESSOR SHALL BE OFF WHILE IN HEATING MODE.
- ECONOMIZER CONTROL**
 - HEATING MODE: THE ECONOMIZER SHALL NOT OPERATE WHILE THE UNIT IS IN HEATING MODE.
 - COOLING MODE: WHENEVER THE OUTSIDE AIR TEMPERATURE IS GREATER THAN OR EQUAL TO 6 DEG. F BELOW THE RETURN AIR TEMPERATURE, THE PACKAGE UNIT INTERNAL ECONOMIZER CONTROLLER SHALL MODULATE THE OUTSIDE AIR DAMPER AND RETURN AIR DAMPER TO PROVIDE 100% OUTSIDE AIR. IF 100% OUTSIDE AIR CANNOT MAINTAIN THE SPACE TEMPERATURE SETPOINT, THE PACKAGED UNIT INTERNAL CONTROLS SHALL STAGE THE COMPRESSORS AND COOLING COIL TO MAINTAIN SPACE TEMPERATURE SETPOINT.
 - WHEN THE HVAC UNIT IS OFF OR IN UNOCCUPIED MODE, THE OUTSIDE AIR DAMPER AND RELIEF AIR DAMPER SHALL BE CLOSED AND THE RETURN AIR DAMPER SHALL BE OPEN.
- POWER EXHAUST:**
 - THE POWER EXHAUST SHALL HAVE AN ACTIVATION SWITCH ON THE ECONOMIZER AND AN INTEGRAL PRESSURE TRANSDUCER WITH REMOTE PRESSURE GAUGE LOCATED IN THE SPACE.
 - THE POWER EXHAUST FAN SHALL BE ENERGIZED WHEN THE INDOOR FAN IS ON AND THE OUTSIDE AIR DAMPER IS MORE THAN 1% OPEN. THE PACKAGED UNIT INTERNAL CONTROLS SHALL MODULATE THE POWER EXHAUST FAN TO MAINTAIN THE SPACE PRESSURE SETPOINT OF +0.05 IN. WG. (ADJ.).
- DEMAND CONTROL VENTILATION:**
 - DURING OCCUPIED MODE THE PACKAGED UNIT SHALL PROVIDE MINIMUM OUTSIDE AIR FLOW RATE PER THE MECHANICAL EQUIPMENT SCHEDULE.
 - UPON A RISE IN CO2 AS DETECTED BY THE WALL MOUNTED CO2 SENSOR, THE OUTSIDE AIR DAMPER SHALL MODULATE OPEN TO MAINTAIN CO2 SETPOINT BELOW 1,000 PPM (ADJ.).
 - WHILE NOT IN ECONOMIZER MODE, THE MAXIMUM OUTDOOR AIR DAMPER POSITION SHALL PROVIDE THE DCV MIN. OA AIR FLOW RATE PER THE MECHANICAL EQUIPMENT SCHEDULE.
- CENTRALIZED DEMAND RESPONSE:**
 - UPON RECEIPT OF A DEMAND RESPONSE SIGNAL FROM THE EMCS THE ZONE TEMPERATURE SHALL BE RESET IN COMPLIANCE WITH CALIFORNIA ENERGY CODE REQUIREMENTS SECTION 120.2(h).

| RTU DDC HARDWARE I/O POINT LIST | | | | |
|---------------------------------|----|----|----|----|
| POINT DESCRIPTION | AI | DI | AO | DO |
| SUPPLY AIR TEMPERATURE | X | | | |
| RETURN AIR TEMPERATURE | X | | | |
| COOLING STAGE 1 START/STOP | | | | X |
| SUPPLY FAN START/STOP | | | | X |
| SUPPLY FAN STATUS | X | | | |
| HEATING STAGE 1 START/STOP | | | | X |
| HEATING STAGE 2 START/STOP | | | | X |
| ECONOMIZER CONTROL | | | X | |
| ZONE TEMPERATURE | X | | | |
| SETPOINT ADJUSTMENT | X | | | |
| LOCAL OVERRIDE | X | | | |
| OCCUPIED LIGHT | | | | X |
| OCCUPANCY SENSOR | X | | | |
| CO2 SENSOR | X | | | |
| EXHAUST FAN START/STOP | | | | X |
| EXHAUST FAN STATUS | X | | | |

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M-401

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4034 30TH STREET
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92104



CASA CASILLAS ARTIST SPACE
50 4TH AVENUE. CHULA VISTA, CA
MECHANICAL CONTROLS



CITY OF CHULA VISTA
PUBLIC WORKS
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CHULA VISTA, CA
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| RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022 | APPROVED BY: DATE: _____ | DRAWING NO. M-401 |
| CESAR RODRIGUEZ, P.E. MECHANICAL ENGINEER | | |

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| CONSTRUCTION RECORD | AS-BUILT | | | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: | |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: | |
| DATE COMPLETED: | | | | |

REFERENCES DWG. NO.:
CCV DWG No. 15024

DESIGNED BY: MB
MB
GT
DESIGNED BY:

SCALE
HORIZONTAL: 1"=20'
VERTICAL: 1"=4'

DATUM
HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35
VERTICAL: NAVD83

REVISION
BY / DATE
MB / DATE
APPD / DATE

3

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| | | | |
|------------------|---|------------------------|--------------------------|
| Project Name: | Casa Casillas Artist Space | NRCC-PRF-01-E | Page 1 of 12 |
| Project Address: | 50 4th Ave. Chula Vista 91910 | Calculation Date/Time: | 16:20, Thu, Nov 10, 2022 |
| Input File Name: | Casa Casillas Artist Space V8.2.2.0 T24.cibd19x | | |

A. GENERAL INFORMATION

| | | | | | |
|---|--|-------------|----|-------------------------------|---------------------------------------|
| 1 | Project Location (city) | Chula Vista | 8 | Standards Version | Compliance2019 |
| 2 | CA Zip Code | 91910 | 9 | Compliance Software (version) | EnergyPro 8.2 |
| 3 | Climate Zone | 7 | 10 | Weather File | SAN-DIEGO-LINDBERGH_722900_CZ2010.epw |
| 4 | Total Conditioned Floor Area in Scope | 3,152 ft² | 11 | Building Orientation (deg) | (N) 0 deg |
| 5 | Total Unconditioned Floor Area | 275 ft² | 12 | Permitted Scope of Work | ExistingAlteration |
| 6 | Total # of Stories (Habitable Above Grade) | 1 | 13 | Building Type(s) | Nonresidential |
| 7 | Total # of dwelling units | 0 | 14 | Gas Type | NaturalGas |

B. PROJECT SUMMARY

Table Instructions: Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within permit application.

| Building Components Complying via Performance | | | | Building Components Complying Prescriptively | | | |
|---|---|--------------------------------------|---|---|----------|------------|--|
| Envelope (see Table G) | <input checked="" type="checkbox"/> Performance | Covered Process: Commercial Kitchens | <input checked="" type="checkbox"/> Performance | The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRCC form listed if within the scope of the permit application (i.e. compliance will not be shown on the NRCC-PRF-E). | | | |
| | <input type="checkbox"/> Not Included | | <input type="checkbox"/> Not Included | | | | |
| Mechanical (see Table H) | <input checked="" type="checkbox"/> Performance | Covered Process: Computer Rooms | <input checked="" type="checkbox"/> Performance | Indoor Lighting (Unconditioned) | \$140.6 | NRCC-LIT-E | |
| | <input type="checkbox"/> Not Included | | <input type="checkbox"/> Not Included | Outdoor Lighting | \$140.7 | NRCC-LTO-E | |
| Domestic Hot Water (see Table I) | <input checked="" type="checkbox"/> Performance | Covered Process: Laboratory Exhaust | <input checked="" type="checkbox"/> Performance | Sign Lighting | \$140.8 | NRCC-LTS-E | |
| | <input type="checkbox"/> Not Included | | <input type="checkbox"/> Not Included | Mandatory Measures | | | |
| Lighting (Indoor Conditioned, see Table K) | <input type="checkbox"/> Performance | | | Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E). | | | |
| | <input type="checkbox"/> Not Included | | | | | | |
| Solar Thermal Water Heating (see Table I) | <input type="checkbox"/> Performance | | | Electrical Power Distribution | \$110.11 | NRCC-ELC-E | |
| | <input type="checkbox"/> Not Included | | | Commissioning | \$120.8 | NRCC-CXR-E | |
| | | | | Solar Ready | \$110.10 | NRCC-SRA-E | |

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|------------------|---|------------------------|--------------------------|
| Project Name: | Casa Casillas Artist Space | NRCC-PRF-01-E | Page 4 of 12 |
| Project Address: | 50 4th Ave. Chula Vista 91910 | Calculation Date/Time: | 16:20, Thu, Nov 10, 2022 |
| Input File Name: | Casa Casillas Artist Space V8.2.2.0 T24.cibd19x | | |

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

| 1 | 2 | 3 | 4 |
|-------------------------------|--------------------------------|-------------------------------|--------------------------|
| Opaque Surfaces & Orientation | Total Gross Surface Area (ft²) | Total Fenestration Area (ft²) | Window to Wall Ratio (%) |
| North-Facing¹ | 786 ft² | 200 ft² | 25.4% |
| East-Facing² | 581 ft² | 154 ft² | 26.5% |
| South-Facing³ | 741 ft² | 199 ft² | 26.9% |
| West-Facing⁴ | 564 ft² | 94 ft² | 16.7% |
| Total | 3,672 ft² | 647 ft² | 24.2% |
| Roof | 3,066 ft² | 0 ft² | 00.0% |

Notes:
¹ North-Facing is oriented to within 45 degrees of true north, including 45°00'00" east of north (NE), but excluding 45°00'00" west of north (NW).
² East-Facing is oriented to within 45 degrees of true east, including 45°00'00" south of east (SE), but excluding 45°00'00" north of east (NE).
³ South-Facing is oriented to within 45 degrees of true south, including 45°00'00" west of south (SW), but excluding 45°00'00" east of south (SE).
⁴ West-Facing is oriented to within 45 degrees of true west, including 45°00'00" north of due west (NW), but excluding 45°00'00" south of west (SW).

G3. OPAQUE SURFACE ASSEMBLY SUMMARY

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|----------------|------------------|------------|--------------|----------------|--------------------|----------|-------|--|---------|
| Surface Name | Surface Type | Area (ft²) | Framing Type | Cavity R-Value | Continuous R-Value | Units | Value | Description of Assembly Layers | Status² |
| Slab On Grade6 | UndergroundFloor | 3427 | NA | 0 | NA | F-Factor | 0.73 | Slab Type = UnheatedSlabOnGrade Insulation Orientation = None Insulation R-Value = R0 | E |
| R-13 Wall8 | ExteriorWall | 3256 | Wood | 13 | NA | U-Factor | 0.102 | Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Wood framed wall, 16in. OC, 3.5in., R-13 Gypsum Board - 1/2 in. | E |

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| Project Name: | Casa Casillas Artist Space | NRCC-PRF-01-E | Page 2 of 12 |
| Project Address: | 50 4th Ave. Chula Vista 91910 | Calculation Date/Time: | 16:20, Thu, Nov 10, 2022 |
| Input File Name: | Casa Casillas Artist Space V8.2.2.0 T24.cibd19x | | |

C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft²-yr)

| COMPLIES | | | |
|-----------------------------------|-----------------------|-----------------------|--------------------------|
| Energy Component | Standard Design (TDV) | Proposed Design (TDV) | Compliance Margin (TDV)¹ |
| Space Heating | 2.75 | 0.61 | 2.14 |
| Space Cooling | 92.23 | 88.11 | 4.12 |
| Indoor Fans | 152.28 | 49.67 | 102.61 |
| Heat Rejection | -- | -- | -- |
| Pumps & Misc. | -- | -- | -- |
| Domestic Hot Water | 5.14 | 5.14 | -- |
| Indoor Lighting | 79.01 | 79.01 | -- |
| ENERGY STANDARDS COMPLIANCE TOTAL | 331.41 | 222.54 | 108.87 (32.9%) |

¹ Notes: The number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.

C2. RESULTS FOR 'ABOVE CODE' QUALIFICATIONS¹

| <input type="checkbox"/> This project is pursuing CalGreen Tier 1 | | | | <input type="checkbox"/> This project is pursuing CalGreen Tier 2 | | | |
|---|-----------------------|-----------------------|--------------------------|---|--|--|--|
| Miscellaneous Energy Component | Standard Design (TDV) | Proposed Design (TDV) | Compliance Margin (TDV)¹ | | | | |
| Receptacle | 139.69 | 139.69 | -- | | | | |
| Process | -- | -- | -- | | | | |
| Other Ltg | 4.91 | 4.91 | -- | | | | |
| Process Motors | -- | -- | -- | | | | |
| COMPLIANCE TOTAL PLUS MISCELLANEOUS COMPONENTS | 476.01 | 367.14 | 108.9 (22.9%) | | | | |

¹ Notes: This table is used to document compliance with programs OTHER THAN Title 24 Part 6, if applicable.

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| Project Name: | Casa Casillas Artist Space | NRCC-PRF-01-E | Page 5 of 12 |
| Project Address: | 50 4th Ave. Chula Vista 91910 | Calculation Date/Time: | 16:20, Thu, Nov 10, 2022 |
| Input File Name: | Casa Casillas Artist Space V8.2.2.0 T24.cibd19x | | |

G3. OPAQUE SURFACE ASSEMBLY SUMMARY

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------------------|--------------|------------|--------------|----------------|--------------------|----------|-------|--|---------|
| Surface Name | Surface Type | Area (ft²) | Framing Type | Cavity R-Value | Continuous R-Value | Units | Value | Description of Assembly Layers | Status² |
| R-17.4 Roof Framed Rafter13 | Roof | 3341 | NA | 0 | 18 | U-Factor | 0.048 | Asphalt shingles - 1/4 in. Vapor permeable felt - 1/8 in. Cellular polyisocyanurate (unfaced) - 3 in. R18 Plywood - 1/2 in. Air - Cavity - Wall Roof Ceiling - 4 in. or more Gypsum Board - 1/2 in. | E |
| R-13 Wall81 | InteriorWall | 80 | Wood | 13 | NA | U-Factor | 0.095 | Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Wood framed wall, 16in. OC, 3.5in., R-13 Gypsum Board - 1/2 in. | E |

¹ Status: N - New, A - Altered, E - Existing

G4. OPAQUE DOOR SUMMARY

| 1 | 2 | 3 |
|---------------|------------------|---------|
| Assembly Name | Overall U-factor | Status¹ |
| Wood Door33 | 0.500 | E |

G5. FENESTRATION ASSEMBLY SUMMARY

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|--|---|-----------------------|-----------------|----------|------------------|--------------|------------|---------|
| Fenestration Assembly Name / Tag or I.D. | Fenestration Type / Product Type / Frame Type | Certification Method¹ | Assembly Method | Area ft² | Overall U-factor | Overall SHGC | Overall VT | Status² |
| PPG SOLARBAN 70 | VerticalFenestration FixedWindow N/A | NFRC Rated | Manufactured | 701 | 0.56 | 0.31 | 0.64 | A |

¹ Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturers, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix 604 and are used in the analysis.

² Status: N - New, A - Altered, E - Existing

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|------------------|---|------------------------|--------------------------|
| Project Name: | Casa Casillas Artist Space | NRCC-PRF-01-E | Page 3 of 12 |
| Project Address: | 50 4th Ave. Chula Vista 91910 | Calculation Date/Time: | 16:20, Thu, Nov 10, 2022 |
| Input File Name: | Casa Casillas Artist Space V8.2.2.0 T24.cibd19x | | |

C3. ENERGY USE SUMMARY

| Energy Component | Standard Design Site (MWh) | Proposed Design Site (MWh) | Margin (MWh) | Standard Design Site (MBtu) | Proposed Design Site (MBtu) | Margin (MBtu) |
|--------------------|----------------------------|----------------------------|--------------|-----------------------------|-----------------------------|---------------|
| Space Heating | -- | 0.0 | -- | 4.2 | 0.5 | 3.7 |
| Space Cooling | 7.9 | 7.5 | 0.4 | -- | -- | -- |
| Indoor Fans | 16.4 | 4.8 | 11.6 | -- | -- | -- |
| Heat Rejection | -- | -- | -- | -- | -- | -- |
| Pumps & Misc. | -- | -- | -- | -- | -- | -- |
| Domestic Hot Water | 0.6 | 0.6 | 0.0 | -- | -- | -- |
| Indoor Lighting | 8.3 | 8.3 | 0.0 | -- | -- | -- |
| Compliance Total | 33.2 | 21.2 | 12.0 | 4.2 | 0.5 | 3.7 |
| Receptacle | 14.7 | 14.7 | 0.0 | -- | -- | -- |
| Process | -- | -- | -- | -- | -- | -- |
| Other Ltg | 0.5 | 0.5 | 0.0 | -- | -- | -- |
| Process Motors | -- | -- | -- | -- | -- | -- |
| TOTAL | 48.4 | 36.4 | 12.0 | 4.2 | 0.5 | 3.7 |

D. EXCEPTIONAL CONDITIONS

The building does not include service water heating. Verify that service water heating is not required and is not included in the design.

E. HERS VERIFICATION

This Section Does Not Apply

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12202021-6384 Report Generated at: 2022-11-10 16:21:45

| | | | |
|------------------|---|------------------------|--------------------------|
| Project Name: | Casa Casillas Artist Space | NRCC-PRF-01-E | Page 6 of 12 |
| Project Address: | 50 4th Ave. Chula Vista 91910 | Calculation Date/Time: | 16:20, Thu, Nov 10, 2022 |
| Input File Name: | Casa Casillas Artist Space V8.2.2.0 T24.cibd19x | | |

H1. DRY SYSTEM EQUIPMENT (furnaces, air handling units, heat pumps, VRF, economizers etc.)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|----------------|--------------------------|-----|-------------------------------|---------------------------|-----------------|------------|-------------------------------|-----------------|-------------|------------------------------|---------|
| Equipment Name | Equipment Type | Qty | Total Heating Output (kBtu/h) | Supp Heat Output (kBtu/h) | Efficiency Unit | Efficiency | Total Cooling Output (kBtu/h) | Efficiency Unit | Efficiency | Economizer Type (if present) | Status³ |
| AC 1 | SZVAVAC (Packaged3Phase) | 1 | 49 | 0 | AFUE | 81.0 | 46 | SEER EER | 14.00 11.60 | FixedDryBulb | N |
| AC 2 | SZVAVAC (Packaged3Phase) | 1 | 49 | 0 | AFUE | 81.0 | 46 | SEER EER | 14.00 11.60 | FixedDryBulb | N |
| SSH1 | VRF | 1 | 47,748 | NA | COP | 139.90 | 36 | EER | 5.60 | NA | N |

³ Status: N - New, A - Altered, E - Existing

H2. FAN SYSTEMS SUMMARY¹

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|-------------------------------|----------------------------------|---------------|------|-------|-------|--------------------|-----|-----|-------|---------|------------------------------|---------|
| Name or Item Tag | System Type packaged, DOAS, etc. | Design OA CFM | CFM | BHP | Watts | Control | CFM | BHP | Watts | Control | Economizer Type (if present) | Status² |
| AC 1 | SZVAVAC | 437 | 1600 | 0.620 | 540.7 | VariableSpeedDrive | NA | NA | NA | NA | FixedDryBulb | N |
| AC 2 | SZVAVAC | 535 | 1600 | 0.620 | 540.7 | VariableSpeedDrive | NA | NA | NA | NA | FixedDryBulb | N |
| 5-Studio 12 Zone-VRF | VRF | 29 | 320 | 0.172 | 149.9 | ConstantVolume | NA | NA | NA | NA | NA | N |
| 6-Flex Space 11 Zone-VRF | VRF | 28 | 320 | 0.172 | 149.9 | ConstantVolume | NA | NA | NA | NA | NA | N |
| 7-Studio/Screening 8 Zone-VRF | VRF | 47 | 320 | 0.172 | 149.9 | ConstantVolume | NA | NA | NA | NA | NA | N |
| 8-Studio 9 Zone-VRF | VRF | 50 | 320 | 0.172 | 149.9 | ConstantVolume | NA | NA | NA | NA | NA | N |

¹ Status: N - New, A - Altered, E - Existing

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12202021-6384 Report Generated at: 2022-11-10 16:21:45

CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA TITLE 24

RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022

APPROVED BY:

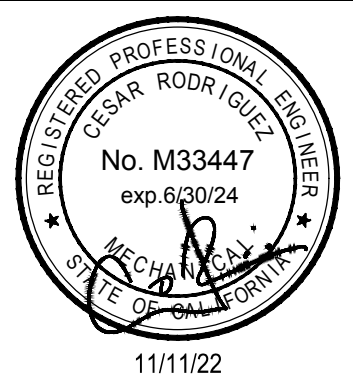
DATE:

DRAWING NO.

CESAR RODRIGUEZ, P.E.
MECHANICAL ENGINEER

M-500

TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941 • 5221
619 / 466 / 6224 FAX 466 / 6233
E-MAIL: ENGINEER@TREISD.COM
TREI # 21035.S01
C:\KRAUT\12\22\22 - 3134PM



Platt/Whitelaw
Architects, Inc.

4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104



CITY OF CHULA VISTA
PUBLIC WORKS
1800 MAXWELL ROAD,
CHULA VISTA, CA
WWW.CHULAVISTACA.GOV

C:\KRAFT\12\22\22 - 3\34PM - J1\12\12 10:35:50 - CITY OF CHULA VISTA SOUTH BAY YNCA TENANT IMPROVEMENTS\12\1035:50 - H\AGAPRHEU\3\1035:50 - M-501 TITLE 24.DWG

| | | | |
|----------------------|---|------------------|----|
| REVISION | 1. | 2. | 3. |
| BY / DATE | | | |
| APPD / DATE | | | |
| REFERENCES DWG. NO.: | CCV DWG No. 15024 | | |
| DESIGNED BY: | MB | MB | GT |
| SCALE | HORIZONTAL: 1"=20' | VERTICAL: 1"=4' | |
| DATUM | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | VERTICAL: NAVD83 | |

| | | | |
|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | AS-BUILT | | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |

| | | | |
|------------------|---|------------------------|--------------------------|
| Project Name: | Casa Casillas Artist Space | NRCC-PRF-01-E | Page 7 of 12 |
| Project Address: | 50 4th Ave. Chula Vista 91910 | Calculation Date/Time: | 16:20, Thu, Nov 10, 2022 |
| Input File Name: | Casa Casillas Artist Space V8.2.2.0 T24.cibd19x | | |

| |
|-----------------------------|
| H3. EXHAUST FAN SUMMARY |
| This Section Does Not Apply |

| |
|--|
| H4. Wet System Equipment(boilers,chillers,cooling towers,etc.) |
| This Section Does Not Apply |

| | | | | | |
|-----------------------------|------------------|---------------------------------|-----------------------|------------------|---|
| H5. SYSTEM SPECIAL FEATURES | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| System Name | Optimum Start | Window Interlocks per §140.4(n) | Evaporative Cooling | Heat Recovery | Other Controls |
| AC 1 | No Optimum Start | NA | No Evaporative Cooler | No Heat Recovery | 1 Zones With CO2Sensor Vent. Control, No DDC Fixed Drybulb Economizer No Supply Air Temp. Control |
| AC 2 | No Optimum Start | NA | No Evaporative Cooler | No Heat Recovery | 1 Zones With CO2Sensor Vent. Control, No DDC Fixed Drybulb Economizer No Supply Air Temp. Control |
| SSHP 1 | NA | NA | NA | No | LoadPriority |

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.

| | | | | | | | | |
|----------------------------|---|---------------|-------------|---------------|---------------|-------------|-----------------------|--|
| H6. MECHANICAL VENTILATION | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Zone Name | Mechanical Ventilation | | | | | | | |
| | Ventilation Function | # hotel rooms | # of people | # of bedrooms | Supply OA CFM | Exhaust CFM | Conditioned Area (sf) | DCV or Occupant Sensor Controls, or Both |
| 1-Gallery 10 Zone | Lodging - Multipurpose assembly | 0 | 29.10 | 0 | 437 | 0 | 873 | NA |
| 2-Gallery 7 Zone | Lodging - Multipurpose assembly Office - Office space | 0 | 34.34 | 0 | 535 | 0 | 1253 | NA |
| 4-Studio 12 Zone | Office - Office space | 0 | 0.95 | 0 | 29 | 0 | 190 | NA |
| 5-Flex Space 11 Zone | Office - Office space | 0 | 0.94 | 0 | 28 | 0 | 187 | NA |

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12202021-6384 Report Generated at: 2022-11-10 16:21:45

| | | | |
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| Project Name: | Casa Casillas Artist Space | NRCC-PRF-01-E | Page 10 of 12 |
| Project Address: | 50 4th Ave. Chula Vista 91910 | Calculation Date/Time: | 16:20, Thu, Nov 10, 2022 |
| Input File Name: | Casa Casillas Artist Space V8.2.2.0 T24.cibd19x | | |

| | |
|---|---|
| L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION | |
| Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online at: https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/ | |
| Building Component | Form/Title |
| Envelope | NRCC-ENV-01-E - Must be submitted for all buildings |
| Mechanical | NRCC-MCH-01-E - Must be submitted for all buildings |

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12202021-6384 Report Generated at: 2022-11-10 16:21:45

| | | | |
|------------------|---|------------------------|--------------------------|
| Project Name: | Casa Casillas Artist Space | NRCC-PRF-01-E | Page 8 of 12 |
| Project Address: | 50 4th Ave. Chula Vista 91910 | Calculation Date/Time: | 16:20, Thu, Nov 10, 2022 |
| Input File Name: | Casa Casillas Artist Space V8.2.2.0 T24.cibd19x | | |

| H6. MECHANICAL VENTILATION | | | | | | | | |
|----------------------------|------------------------|---------------|-------------|------------------|---------------|-------------|--------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Zone Name | Mechanical Ventilation | | | | | | | DCV or Occupant Sensor Controls, or Both |
| | Ventilation Function | # hotel rooms | # of people | # of bedrooms | Supply OA CFM | Exhaust CFM | Conditioned Area (sf) | |
| 6-Studio/Screening 8 Zone | Office - Office space | 0 | 1.58 | 0 | 47 | 0 | 316 | NA |
| 7-Studio 9 Zone | Office - Office space | 0 | 1.67 | 0 | 50 | 0 | 333 | NA |

| | |
|---|----|
| Multifamily or Hotel/Motel Occupancy? (If "Yes", see DOMESTIC/SERVICE HOT WATER SYSTEM SUMMARY) | No |
|---|----|

| | |
|---|-----|
| Does the Project Include Zonal Systems? | Yes |
|---|-----|

| | | | | | | | | | | | |
|--|---------------------------|-----------------|-------------------------|---------|---------------|------|------------|-------|-------|--------------------------|--------------------------|
| H7. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| System ID | Zone Name | System Type | Rated Capacity (kBtu/h) | | Airflow (cfm) | | | Fan | | | |
| | | | Heating | Cooling | Design | Min. | Min. Ratio | BHP | Watts | Cycles | ECM Motor |
| 5-Studio 12 Zone-VRF | 4-Studio 12 Zone | VRF | 9.00 | 9.00 | 320 | NA | NA | 0.172 | 149.9 | <input type="checkbox"/> | <input type="checkbox"/> |
| 6-Flex Space 11 Zone-VRF | 5-Flex Space 11 Zone | VRF | 9.00 | 9.00 | 320 | NA | NA | 0.172 | 149.9 | <input type="checkbox"/> | <input type="checkbox"/> |
| 7-Studio/Screening 8 Zone-VRF | 6-Studio/Screening 8 Zone | VRF | 9.00 | 9.00 | 320 | NA | NA | 0.172 | 149.9 | <input type="checkbox"/> | <input type="checkbox"/> |
| 8-Studio 9 Zone-VRF | 7-Studio 9 Zone | VRF | 9.00 | 9.00 | 320 | NA | NA | 0.172 | 149.9 | <input type="checkbox"/> | <input type="checkbox"/> |
| 1-Gallery 10 Zone-Trm | 1-Gallery 10 Zone | VAV/NoReheatBox | NA | NA | 1600 | 0 | 0.00 | NA | NA | NA | <input type="checkbox"/> |
| 2-Gallery 7 Zone-Trm | 2-Gallery 7 Zone | VAV/NoReheatBox | NA | NA | 1600 | 0 | 0.00 | NA | NA | NA | <input type="checkbox"/> |

| |
|--------------------------------|
| H8. EVAPORATIVE COOLER SUMMARY |
| This Section Does Not Apply |

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12202021-6384 Report Generated at: 2022-11-10 16:21:45

| | | | |
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| Project Address: | 50 4th Ave. Chula Vista 91910 | Calculation Date/Time: | 16:20, Thu, Nov 10, 2022 |
| Input File Name: | Casa Casillas Artist Space V8.2.2.0 T24.cibd19x | | |

| | |
|--|---|
| M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE | |
| Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/ | |
| Building Component | Form/Title |
| Envelope | NRCA-ENV-02-F - NRCC label verification for fenestration |
| Mechanical | NRCA-MCH-02-A Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap |
| | NRCA-MCH-05-A Air Economizer Controls |
| | NRCA-MCH-06-A Demand Control Ventilation Systems Acceptance must be submitted for all systems required to employ demand controlled ventilation (refer to §120.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints |
| | NRCA-MCH-07-A Supply Fan Variable Flow Controls |
| | NRCA-MCH-20 Multifamily Ventilation |

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12202021-6384 Report Generated at: 2022-11-10 16:21:45

| | | | |
|------------------|---|------------------------|--------------------------|
| Project Name: | Casa Casillas Artist Space | NRCC-PRF-01-E | Page 9 of 12 |
| Project Address: | 50 4th Ave. Chula Vista 91910 | Calculation Date/Time: | 16:20, Thu, Nov 10, 2022 |
| Input File Name: | Casa Casillas Artist Space V8.2.2.0 T24.cibd19x | | |

| | | | |
|------------------|---|------------------------|--------------------------|
| Project Name: | Casa Casillas Artist Space | NRCC-PRF-01-E | Page 12 of 12 |
| Project Address: | 50 4th Ave. Chula Vista 91910 | Calculation Date/Time: | 16:20, Thu, Nov 10, 2022 |
| Input File Name: | Casa Casillas Artist Space V8.2.2.0 T24.cibd19x | | |


| | |
|---|---|
| DOCUMENTATION AUTHOR'S DECLARATION STATEMENT | |
| I certify that this Certificate of Compliance documentation is accurate and complete. | |
| Documentation Author Name: Chris Aramburo | Signature: |
| Company: | Signature Date: 2022-11-10 |
| Address: 4719 Palm Avenue | CEA/ HERS Certification Identification (if applicable): |
| City/State/Zip: La Mesa CA 91941-5221 | |
| Phone: 619.466.6224 | |

| | |
|--|-------------------------|
| RESPONSIBLE PERSON'S DECLARATION STATEMENT | |
| I certify the following under penalty of perjury, under the laws of the State of California: | |
| 1. The information provided on this Certificate of Compliance is true and correct. | |
| 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) | |
| 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. | |
| 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. | |
| 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. | |
| Responsible Envelope Designer Name: | Signature: |
| Company: | Date Signed: |
| Address: | |
| City/State/Zip: | Title: |
| Phone: | License #: |
| Responsible Lighting Designer Name: | Signature: NOT IN SCOPE |
| Company: | Date Signed: |
| Address: | |
| City/State/Zip: | Title: |
| Phone: | License #: |
| Responsible Mechanical Designer Name: Cesar Rodriguez, PE | Signature: |
| Company: Turpin & Rattan Engineering, Inc. | Date Signed: 2022-11-10 |
| Address: 4719 Palm Ave. | |
| City/State/Zip: La Mesa CA 91910 | Title: |
| Phone: 619-466-6224 | License #: M33447 |


CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12202021-6384 Report Generated at: 2022-11-10 16:21:45

CASA CASILLAS ARTIST SPACE
50 4TH AVENUE. CHULA VISTA, CA
TITLE 24

| | | | |
|--|--------------|-------|-------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | APPROVED BY: | DATE: | DRAWING NO. |
| CEsar RODRIGUEZ, P.E. MECHANICAL ENGINEER | | | M-501 |



TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941 • 5221
619 / 466 / 6224 FAX 466 / 6233
E-MAIL: ENGINEER@TREISO.COM
TREI # 21035.S01
C:\KRAFT\12\22\22 - 3\34PM



11/11/22

Platt/Whitelaw
Architects, Inc.

4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104



CITY OF CHULA VISTA
PUBLIC WORKS
1800 MAXWELL ROAD,
CHULA VISTA, CA
WWW.CHULAVISTACA.GOV

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| | | | |
|----------------------|---------------------------------------|--------------|---|
| REVISION | 1. | 2. | 3. |
| BY / DATE | | | |
| APPD / DATE | | | |
| REFERENCES DWG. NO.: | | | |
| CCV DWG No. 15024 | | | |
| DESIGNED BY: | MB | DESIGNED BY: | GT |
| SCALE | HORIZONTAL: 1"=20' VERTICAL: 1"=4' | DATUM | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 VERTICAL: NAVD83 |

STATE OF CALIFORNIA
Domestic Water Heating System
NRCC-PLB-E (Created 10/20)
CALIFORNIA ENERGY COMMISSION
NRCC-PLB-E

CERTIFICATE OF COMPLIANCE
This document is used to demonstrate compliance for nonresidential occupancies with requirements in §110.1, §110.3, §120.3, and §140.5, and with requirements in §141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies, compliance is demonstrated with requirements in §110.1, §110.3, §120.3, §150.0 and §150.1(c)(8), and with requirements in §150.2 for additions and alterations.
Project Name: Casa Casillas Artist Space
Project Address: 50 4th Ave. Chula Vista 91910
Report Page: Page 1 of 5
Date Prepared: 2022-11-10

A. GENERAL INFORMATION
01 Project Location (city) San Diego
02 Climate Zone 7
03 Occupancy Types Within Project (select all that apply):
☒ Nonresidential
☐ High-Rise Residential
☐ Hotel/ Motel
☐ State Building
☐ Healthcare Facility
☐ Other (Write in):
B. PROJECT SCOPE
Table Instructions: Include any domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in §140.5, §150.1(c)(8), and §141.0(a), or §141.0(b)(2)(N) for additions or alterations. Solar water heating systems should be documented on the NRCC-SRA compliance document. Combined hydronic water heating systems should be documented on the NRCC-MCH compliance document.
01 My project consists of (check all that apply):
☒ New System (DHW system being installed for the first time in newly constructed building)
☒ New System (DHW system being installed for the first time in newly constructed building)
02 System Type:^{1,2}
Individual System (serving nonresidential spaces)
03 System Components
☒ Equipment
☒ Distribution
☒ Controls
☐ System Alteration (equipment, distribution or controls)
☐ Equipment
☐ Distribution
☐ Controls
¹ FOOTNOTE: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.
² Dwelling units refers to hotel/ motel guest rooms and units in a high-rise residential occupancy.
C. COMPLIANCE RESULTS
Table Instructions: Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.
01 Domestic Hot Water Equipment
(See Table F)
02 Distribution Systems
(See Table G)
03 Controls
(See Table H)
04 Compliance Results
COMPLIES
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>
October 2020

STATE OF CALIFORNIA
Domestic Water Heating System
NRCC-PLB-E (Created 10/20)
CALIFORNIA ENERGY COMMISSION
NRCC-PLB-E

CERTIFICATE OF COMPLIANCE
Project Name: Casa Casillas Artist Space
Project Address: 50 4th Ave. Chula Vista 91910
Report Page: Page 4 of 5
Date Prepared: 2022-11-10

Table Continued
06 For replacement single heat pump water heaters serving individual dwelling units in climate zones 1-15, design includes communication interface that meets demand responsive control requirements of §110.12(a) per §150.2(b)(1)(iii).
I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCL/
YES NO Form/Title Field Inspector
Pass Fail
☒ NRCL-PLB-01-E - Must be submitted for all buildings
☐ ☒ NRCL-PLB-02-E - Must be submitted for high-rise residential and hotel/ motel central hot water distribution systems to be recognized for compliance.
☐ ☒ NRCL-PLB-03-E - Must be submitted for high-rise residential and hotel/ motel single dwelling unit hot water distribution systems to be recognized for compliance.
J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
There are no Certificates of Acceptance applicable to service water heating requirements.
K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION
Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be completed by a HERS Rater and provided to the building inspector during construction. The final documents must be created by a HERS Providers registry, but drafts can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCV/
YES NO Form/Title Field Inspector
Pass Fail
☐ ☒ NRCV-PLB-21-H High-rise Residential Central Hot Water Distribution HERS Verification
☐ ☒ NRCV-PLB-22-H High-rise Residential Individual Dwelling Unit Hot Water Distribution HERS Verification
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>
October 2020

STATE OF CALIFORNIA
Domestic Water Heating System
NRCC-PLB-E (Created 10/20)
CALIFORNIA ENERGY COMMISSION
NRCC-PLB-E

CERTIFICATE OF COMPLIANCE
Project Name: Casa Casillas Artist Space
Project Address: 50 4th Ave. Chula Vista 91910
Report Page: Page 2 of 5
Date Prepared: 2022-11-10

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
No exceptional conditions apply to this project.
E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.
F. DOMESTIC HOT WATER EQUIPMENT
Table Instructions: Complete the following table to demonstrate compliance with mandatory equipment requirements in §110.1 and §110.3. For high-rise residential and hotel/ motel occupancies, compliance with prescriptive requirements in §150.1(c)(8) must also be demonstrated and with §150.2 for addition and alteration scopes.
Equipment Schedule: Individual Systems
01 02 03 04 05 06
Name or Item Tag Equipment Type Volume (gal) Max GPM / First Hour Rating (FHR) Rated Uniform Energy Factor (UEF) Minimum Required Uniform Energy Factor (UEF)
WH-2 Electric Instantaneous (≤ 12kW) ≤2 0 ≤ GPM < 1.7 0.91 0.91
WH-1 Electric Storage ≤30 0 ≤ FHR < 18 0.86 0.86
¹ FOOTNOTE: Compliant equipment may be found in the Modernized Appliance Efficiency Database System (MAEDBS) on the Energy Commission website: <https://cacertappliances.energy.ca.gov/Pages/Search/AdvancedSearch.aspx>
Water Heating Equipment All Occupancies
Yes No Not Applicable Requirement
18 ☒ ☐ ☐ Unifired storage tank insulation shall have Internal + External ≥ R-16 OR External ≥ R-12. Label required per §110.3(c)(3)
19 ☐ ☐ ☒ New state buildings 60% of energy for service water heating from site solar energy or recovered energy per §110.3(c)(5)
20 ☒ ☐ ☐ Isolation valves for instantaneous water heater with input rating > 6.8 BTUH or 2 kW has been specified per §110.3(c)(6)
G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>
October 2020

STATE OF CALIFORNIA
Domestic Water Heating System
NRCC-PLB-E (Created 10/20)
CALIFORNIA ENERGY COMMISSION
NRCC-PLB-E

CERTIFICATE OF COMPLIANCE
Project Name: Casa Casillas Artist Space
Project Address: 50 4th Ave. Chula Vista 91910
Report Page: Page 5 of 5
Date Prepared: 2022-11-10

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete
Documentation Author Name: Chris Aramburo
Documentation Author Signature: [Signature]
Company: Turpin & Rattan Engineering, Inc.
Signature Date: 11-10-2022
Address: 4719 Palm Ave
CEA/ HERS Certification Identification (if applicable):
City/State/Zip: La Mesa / CA / 91941
Phone: 619-466-6224
RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.
Responsible Designer Name: Cesar Rodriguez
Responsible Designer Signature: [Signature]
Company: Turpin & Rattan Engineering, Inc.
Date Signed: 11-10-2022
Address: 4719 Palm Ave
License: M33447
City/State/Zip: La Mesa / CA / 91941
Phone: 619-466-6224
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>
October 2020

STATE OF CALIFORNIA
Domestic Water Heating System
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CERTIFICATE OF COMPLIANCE
Project Name: Casa Casillas Artist Space
Project Address: 50 4th Ave. Chula Vista 91910
Report Page: Page 3 of 5
Date Prepared: 2022-11-10

Table Instructions: Complete the following table to demonstrate compliance for nonresidential occupancies with distribution requirements in §120.3 and §140.5. For high-rise residential and hotel/motel occupancies, compliance is demonstrated with requirements in §110.3(c), §120.3, §150.0, §150.1.
Mandatory Pipe Insulation All Occupancies
12 ☒ For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per §120.3:
- Recirculating system piping, including supply and return piping of the water heater
- The first 8 ft of hot and cold outlet piping for a nonrecirculating storage system
- Pipes that are externally heated
13 ☒ Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per §120.3(b) and §150.0(i)(3)
TABLE 120.3-A PIPE INSULATION THICKNESS
Fluid Temperature Range (°F) Conductivity Range (Btu-in per hour per ft² per °F) Insulation Mean Rating Temp (°F) Nominal Pipe Diameter (in)
<1 1 to < 1.5 1.5 to < 4
Minimum Insulation Required
105-140 0.22-0.28 100 1.0 in or R-7.7 1.5 in or R-12.5 1.5 in or R-11
H. DOMESTIC HOT WATER SYSTEM CONTROLS
Table Instructions: Complete the following table to demonstrate compliance with controls requirements in §110.3 for all occupancies. For high-rise residential and hotel/motel occupancies, compliance is demonstrated with requirements in §150.1(c)(8).
Yes No Not Applicable Requirement
01 ☒ ☐ ☐ Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per §110.3(a)
02 ☐ ☐ ☒ Systems with capacity > 167,000 BTUH equipped with outlet temperature controls per §110.3(c)(1) unless covered by California Plumbing Code Section 613.0.
03 ☒ ☐ ☐ Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per §110.3(c)(2) unless system serves healthcare facility.
04 ☐ ☐ ☒ For recirculation systems serving multiple dwelling units, design includes automatic pump controls per §150.1(c)(8)(ii), or §150.2 for additions or alterations
05 ☐ ☐ ☒ For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA 4.4.9 per §150.1(c)(8).
Table Continued
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>
October 2020

808

CASA CASILLAS ARTIST SPACE
50 4TH AVENUE. CHULA VISTA, CA
TITLE 24

CITY OF CHULA VISTA
PUBLIC WORKS
1800 MAXWELL ROAD,
CHULA VISTA, CA
WWW.CHULAVISTA.CA.GOV

RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022

APPROVED BY:

DATE:

DRAWING NO.



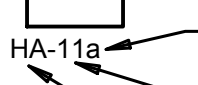
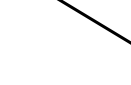
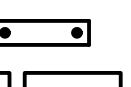
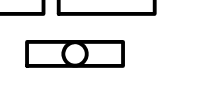

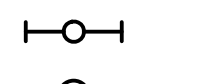
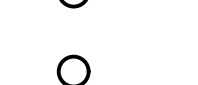















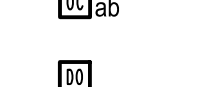

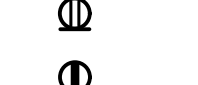




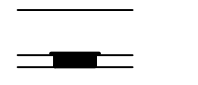
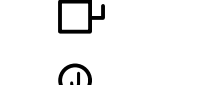
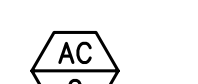

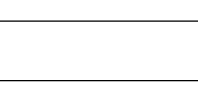
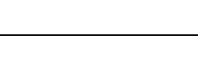
CESAR RODRIGUEZ, P.E.
MECHANICAL ENGINEER


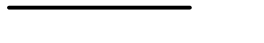
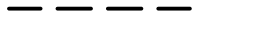
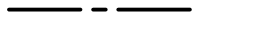
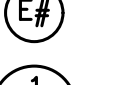
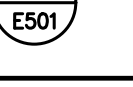
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619 / 466 / 6224 FAX 466 / 6233
E-MAIL: ENGINEER@TREISD.COM
TREI # 21035.S01
C.KRAFT 12/22/22 - 3:34PM

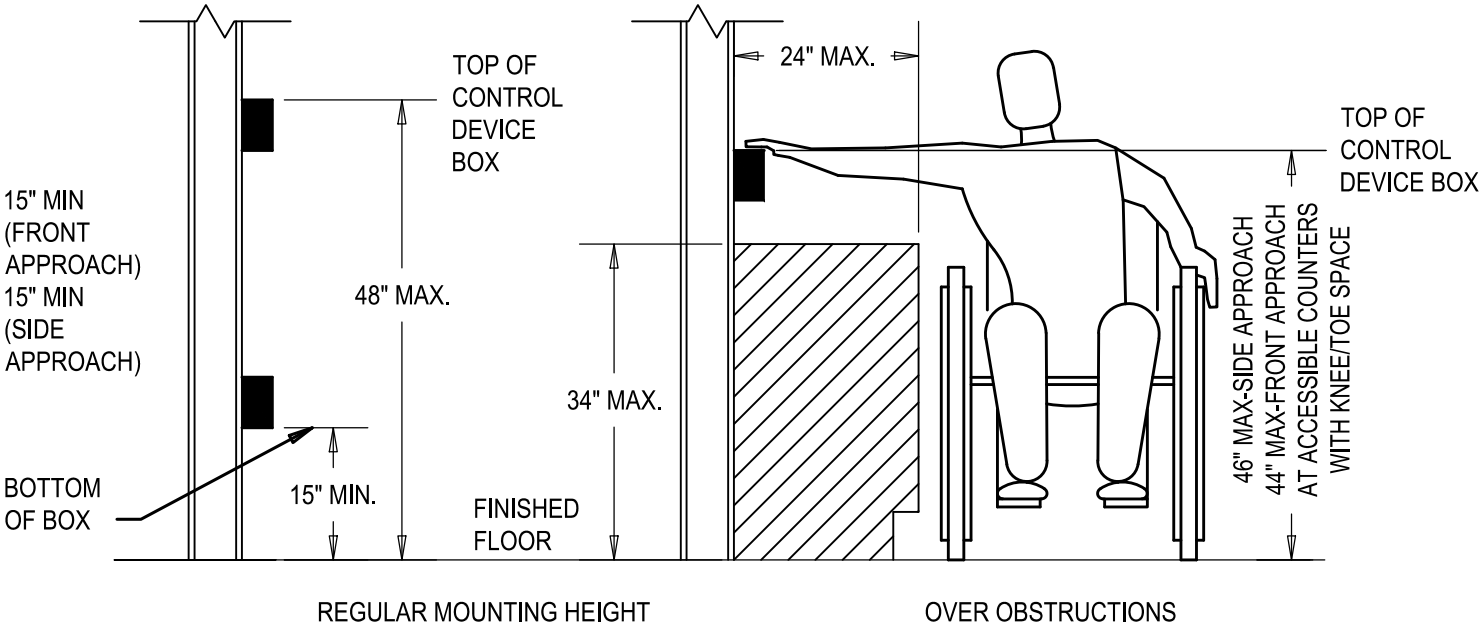
Platt/Whitelaw
Architects, Inc.

4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104

| ELECTRICAL LEGEND | |
|---|--|
| SYMBOL | DESCRIPTION |
|  | DASHED SYMBOL INDICATES EXISTING FIXTURE, OUTLET, DEVICE OR EQUIPMENT TO BE REMOVED. |
|  | INDICATES FIXTURE TYPE. SEE FIXTURE SCHEDULE FOR LAMP, WATTAGE, AND MOUNTING INFORMATION. TYPICAL FOR ROOM INDICATED, UNLESS OTHERWISE NOTED. |
|  | INDICATES CONTROLLING SWITCH LEG. |
|  | DENOTES BRANCH CIRCUIT NUMBER SUPPLYING FIXTURE. |
|  | WHEN USED, DENOTES PANELBOARD SUPPLYING FIXTURE. |
|  | LIGHTING FIXTURE, PENDANT MOUNTED. |
|  | RECESSED INDIRECT LIGHTING FIXTURE, RECESSED MOUNTED. |
|  | LIGHTING FIXTURE, SURFACE MOUNTED. |
|  | NARROW RECESSED LINEAR LIGHTING FIXTURE, RECESSED MOUNTED. |
|  | NARROW LINEAR LIGHTING FIXTURE, SURFACE MOUNTED. |
|  | STRIP LIGHTING FIXTURE. |
|  | ROUND LIGHTING FIXTURE. |
|  | LIGHTING FIXTURE, WALL MOUNTED. MOUNTING HEIGHT TO CENTER OF FIXTURE AS INDICATED. |
|  | PENDANT LIGHTING FIXTURE. |
|  | EXIT SIGN, CEILING MOUNTED. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED. SHADING INDICATES ILLUMINATED FACE(S). |
|  | EXIT SIGN, WALL MOUNTED. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED. SHADING INDICATES ILLUMINATED FACE(S). MOUNT AT +96" AFF TO CENTER OF FIXTURE U.O.N. |
|  | TRACK LIGHTING WITH QUANTITY OF FIXTURES AS INDICATED. |
|  | SURFACE MOUNTED BATTERY POWERED EMERGENCY LIGHTING FIXTURE. MOUNTING HEIGHT TO CENTER OF FIXTURE AS INDICATED. |
|  | SINGLE HEAD, POLE MOUNTED PARKING LOT OR AREA LIGHTING FIXTURE. |
|  | SINGLE POLE, SINGLE THROW TOGGLE SWITCH, WALL MOUNTED AT +42" AFF U.O.N. SUBSCRIPT WHERE SHOWN INDICATES FIXTURES CONTROLLED. |
|  | MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD PROTECTION. WHERE MOTORS ARE PROVIDED WITH THERMAL PROTECTION BY THE EQUIPMENT MANUFACTURER A MOTOR-RATED SWITCH WITHOUT THERMAL DEVICE SHALL BE PROVIDED. MOUNT SWITCH ADJACENT TO MOTOR IN READILY ACCESSIBLE LOCATION U.O.N. |
|  | SCENE SWITCH, WALL MOUNTED AT +42" AFF U.O.N. |
|  | DAYLIGHT SENSOR (SINGLE OR MULTI-ZONE). SYMBOL INDICATES A DAYLIGHT SENSOR OR SENSORS ARE REQUIRED IN THE RESPECTIVE DAYLIT/SKYLIT ZONE(S). EXACT TYPE(S), QUANTITY AND PHYSICAL PLACEMENT WITHIN THE RESPECTIVE ZONE SHALL BE DETERMINED BY THE EQUIPMENT VENDOR AT TIME OF BID. COORDINATION WITH THE COMMISSIONING TEAM DURING CONSTRUCTION IS REQUIRED. DAYLIGHT SETTINGS SHALL BE FINALLY ADJUSTED AFTER FURNITURE, FINAL FINISHES, AND ALL LIGHTING EQUIPMENT ARE INSTALLED AND MADE OPERATIONAL. SENSORS SHALL NOT BE PLACED IN DIRECT SUNLIGHT NOR IN DIRECT ILLUMINATION FROM LIGHT FIXTURES. DEVICE SETTINGS SHALL REDUCE ILLUMINATION LIGHTING POWER BY A MINIMUM OF 65% WHEN DAYLIGHT ILLUMINANCE IS 150% OF DESIGN ILLUMINANCE. |
|  | INDICATES AN OCCUPANCY SENSOR FEATURE IS REQUIRED IN THIS SPACE/ROOM/AREA. EXACT TYPE(S), QUANTITY AND PHYSICAL PLACEMENT WITHIN THE SPACE/ROOM/AREA SHALL BE DETERMINED BY THE EQUIPMENT VENDOR AT TIME OF BID. COORDINATION WITH THE COMMISSIONING TEAM DURING CONSTRUCTION IS REQUIRED. OCCUPANCY SETTINGS SHALL BE FINALLY ADJUSTED AFTER FURNITURE, FINAL FINISHES, AND ALL LIGHTING EQUIPMENT ARE INSTALLED AND MADE OPERATIONAL. |
|  | COMBINATION OCCUPANCY SENSOR/WALL SWITCH, WALL MOUNTED AT +42" AFF U.O.N. |
|  | COMBINATION MANUAL DIMMER SWITCH / OCCUPANCY SENSOR, MOUNTED AT +42" AFF TO CENTER OF DEVICE, U.O.N. |
|  | DIMMER SWITCH, WALL MOUNTED AT +42" AFF U.O.N. |
|  | DUPLEX RECEPTACLE, WALL MOUNTED AT +18" AFF U.O.N. |
|  | DUPLEX RECEPTACLE, GFCI TYPE, WALL MOUNTED AT +18" AFF U.O.N. |
|  | DOUBLE DUPLEX RECEPTACLE, WALL MOUNTED AT +18" AFF U.O.N. |
|  | DOUBLE DUPLEX RECEPTACLE GFCI TYPE, WALL MOUNTED AT +18" AFF U.O.N. |
|  | DOUBLE DUPLEX RECEPTACLE, SPLIT WIRED WITH ONE DUPLEX CONTROLLED BY OCCUPANCY SENSOR, WALL MOUNTED AT +18" AFF U.O.N. |
|  | DUPLEX RECEPTACLE, CEILING MOUNTED. |
|  | SPECIAL PURPOSE RECEPTACLE AS INDICATED.. |
|  | SURFACE MOUNTED PANELBOARD. |
|  | FLUSH MOUNTED PANELBOARD. |
|  | FUSED DISCONNECT SWITCH. SIZE AS INDICATED. (FDS) |
| | JUNCTION BOX. SIZED PER CEC, U.O.N. |
| | MECHANICAL EQUIPMENT REFERENCE. |
| | PULLBOX WITH SCREW COVER, SIZE PER CEC. |

| ELECTRICAL LEGEND | |
|---|--|
|  | COPPER CLAD GROUND ROD, U.O.N. |
|  | CONDUIT CONCEALED IN WALL OR CEILING SPACE. |
|  | CONDUIT CONCEALED UNDER FLOOR SLAB OR UNDERGROUND. |
|  | CONDUIT INSTALLED EXPOSED. |
|  | ELECTRICAL KEYNOTE REFERENCE (TYPICAL). |
|  | INDICATES DETAIL "1" ON SHEET E501 (TYPICAL). |

| ELECTRICAL LEGEND | |
|---|---|
| SYMBOL | DESCRIPTION |
| BRANCH CIRCUIT DESIGNATIONS: | |
| 3/4"-3#8+1#10 EG | INDICATES 3/4" CONDUIT WITH (3) 8 AWG CONDUCTORS + (1) 10 AWG EQUIPMENT GROUND. |
| 3/4"-3#10+3#10N +1#10 EG | INDICATES 3/4" CONDUIT WITH (3) 10 AWG PHASE CONDUCTORS PLUS (3) 10 AWG INDIVIDUAL NEUTRAL CONDUCTORS + (1) 10 AWG EQUIPMENT GROUND. |
| (2) 3" 3-500KCM +1#1/0 EG | INDICATES TWO (2) 3" CONDUITS WITH THREE (3) 500 kcmil CONDUCTORS PLUS ONE (1) 1/0 AWG EQUIPMENT GROUNDING CONDUCTOR IN EACH CONDUIT. |
| PA-7 | WHEN HOMERUN IS NOT SHOWN, BRANCH CIRCUIT NUMBER(S) (AND PANELBOARD) ARE DESIGNATED BY NUMBERS ADJACENT TO OUTLET: |
| PA-7 | DENOTES BRANCH CIRCUIT(S) SUPPLYING OUTLET. |
| PA-13,15 #10 | WHEN USED, DENOTES PANELBOARD SUPPLYING OUTLET. |
| | DENOTES BRANCH CIRCUIT WIRE SIZE WHEN OTHER THAN 12 AWG. |
| BRANCH CIRCUIT WIRING NOTE: EACH SINGLE-POLE BREAKER CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR. REFER TO THE PANEL SCHEDULES FOR CIRCUIT BREAKER REQUIREMENTS. BRANCH CIRCUITS THAT ORIGINATE FROM SINGLE-POLE CIRCUIT BREAKERS SHALL NOT BE INSTALLED AS PART OF A MULTIWIRE CIRCUIT. HANDLE TIES INSTALLED ON SINGLE-POLE CIRCUIT BREAKERS ARE NOT AN ACCEPTABLE ALTERNATIVE TO THIS REQUIREMENT. | |







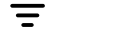
DETAIL NOTES

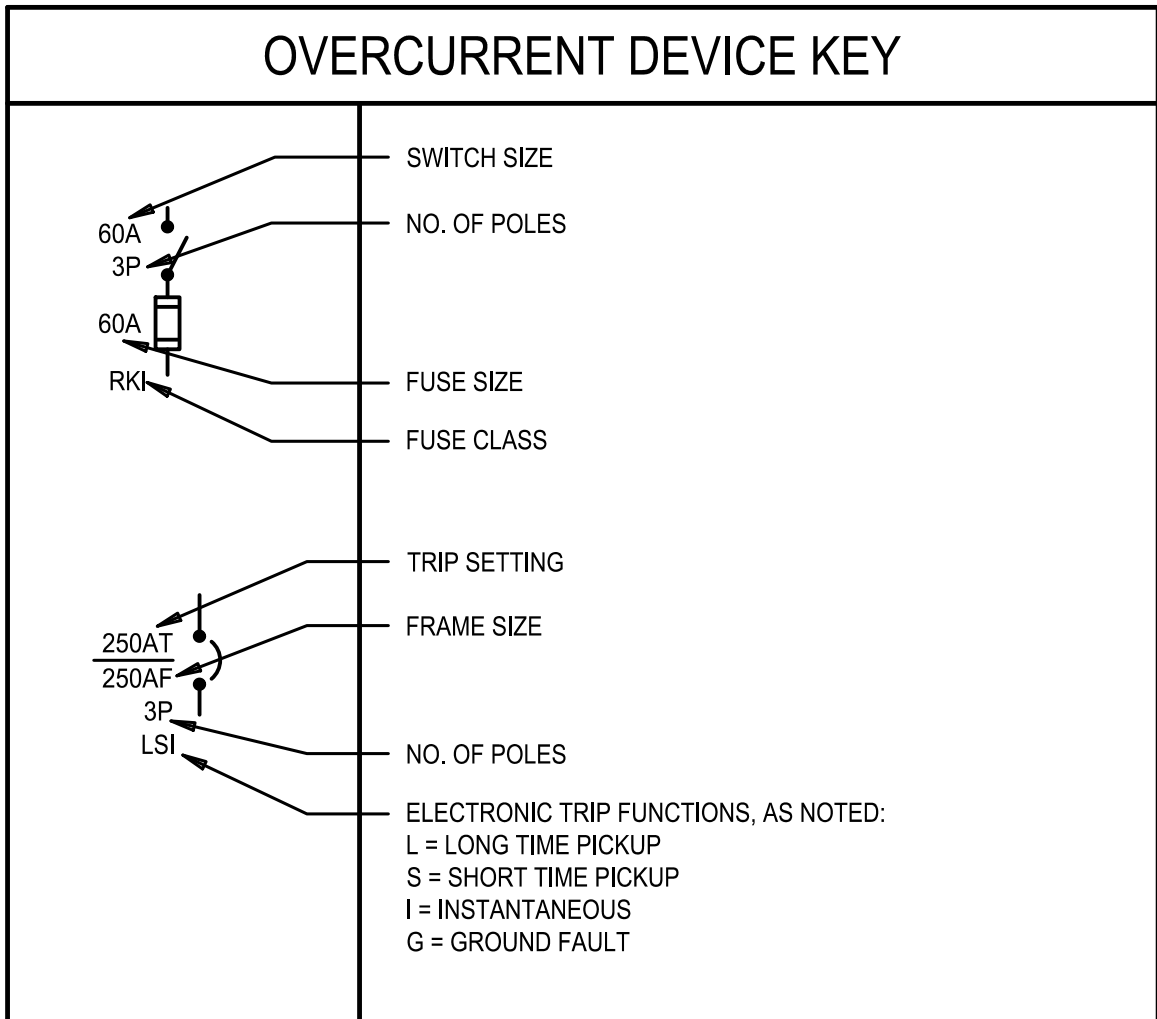
- WHERE LIGHT SWITCHES, RECEPTACLES, TELEPHONE/DATA OUTLETS, DIMMING CONTROL STATIONS, FIRE ALARM PULL STATIONS OR OTHER OPERABLE OUTLET DEVICES OCCUR OVER FIXED OBSTRUCTIONS (SUCH AS CASEWORK, ETC) RESPECTIVE DEVICE MOUNTING HEIGHT LIMITS AFF SHALL BE AS TYPICALLY DEPICTED ABOVE.
- FORWARD OR FRONT APPROACH FOR DEVICES MOUNTED ABOVE COUNTER ASSUMES THAT DIRECTLY BELOW THE DEVICE THE COUNTER HAS 30" MINIMUM WIDTH X 27" MINIMUM HIGH X 19" MINIMUM DEEP CLEAR OPENING PER CBC SECTIONS 11B-306 AND 11B-308.
- CONTRACTOR SHALL NOTIFY ELECTRICAL ENGINEER OF CONSTRUCTION DOCUMENT DESIGN CONFLICTS WITH MOUNTING HEIGHT LIMITS OVER OBSTRUCTIONS DETAIL PRIOR TO START OF WORK.

MOUNTING HEIGHT LIMITS OVER OBSTRUCTIONS

NO SCALE


1
E001


| SINGLE LINE DIAGRAM LEGEND | |
|---|--|
| SYMBOL | DESCRIPTION |
|  | UTILITY METER SOCKET |
|  | SURGE PROTECTION DEVICE. |
|  | FUSE, SIZE AND TYPE AS NOTED |
|  | LOW VOLTAGE CIRCUIT BREAKER. |
|  | GROUND CONNECTION OR GROUNDING ELECTRODE |




| ELECTRICAL ABBREVIATIONS | |
|--------------------------|--|
| ABBREV. | DESCRIPTION |
| A, AMP | AMPERE |
| AF | AMPS FRAME, OR AMPS FUSE RATING |
| AFF | ABOVE FINISHED FLOOR |
| AHJ | AUTHORITY HAVING JURISDICTION |
| AIC | AMPERES INTERRUPTING CAPACITY |
| AT | AMPS TRIP RATING |
| AS | AMPS SWITCH RATING |
| CEC | CALIFORNIA ELECTRICAL CODE (TITLE 24, PART 3). |
| COMM | COMMUNICATIONS, OR COMMERCIAL. |
| DB | DIRECT BURIAL |
| DEMO | DEMOLISH/DEMOLITION |
| DWG | DRAWING |
| EA | EACH |
| EG | EQUIPMENT GROUND, OR EQUIPMENT GROUNDING CONDUCTOR. |
| ELEC | ELECTRICAL |
| EWB | ELECTRIC WATER HEATER |
| EX | EXISTING |
| GFI | GROUND-FAULT INTERRUPTER |
| IDF | INTERMEDIATE DISTRIBUTION FRAME |
| K | KILO (K) OR KELVIN |
| KAIC | 1000 AMPS INTERRUPTING CAPACITY (KAIC) |
| KCM | 1000 CIRCULAR MIL (kcmil) |
| KVA | KILOVOLTAMPS (kVA) |
| LSI | LONG, SHORT, INSTANTANEOUS TRIP |
| LSIG | LONG, SHORT, INSTANTANEOUS, GROUND FAULT TRIP |
| LTG | LIGHTING |
| LV | LOW VOLTAGE |
| MAX. | MAXIMUM |
| MDF | MAIN DISTRIBUTION FRAME |
| MIN. | MINIMUM |
| NEC | NATIONAL ELECTRICAL CODE |
| NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION |
| NIC | NOT IN CONTRACT |
| NTS | NOT TO SCALE |
| PNL | PANELBOARD, OR PANEL |
| RECPT | RECEPTACLE |
| RM. | ROOM |
| SPD | SURGE PROTECTIVE DEVICE |
| SSBJ | SUPPLY SIDE BONDING JUMPER |
| TBB | TELEPHONE BACKBOARD |
| TYP | TYPICAL |
| UFER | CONCRETE ENCASED GROUNDING ELECTRODE |
| U.O.N. | UNLESS OTHERWISE NOTED |
| V | VOLT |
| WP | WEATHERPROOF |
| +45" | MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTER OF DEVICE OR FIXTURE U.O.N. |
| Ø | PHASE |
| # | NUMBER, OR AWG |

CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA ELECTRICAL LEGEND

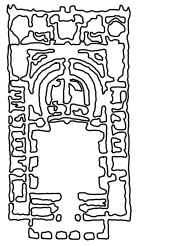
| | | | |
|---|--|---|--|
|  | | CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTA.CA.GOV | |
| RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022 | | APPROVED BY: DATE: | |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | DRAWING NO. E-001 | |

**TURPIN & RATTAN**
ENGINEERING, INC.
CONSULTING ENGINEERS
4719 PALM AVENUE
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619 / 466 / 6224 FAX 466 / 6233
E-MAIL: ENGINEER@TREISD.COM
TREI # 21035.S01
C:\KRAUT\22\2222 - 3:12 PM

**DALE M. FRANCHAK**
REGISTERED PROFESSIONAL ENGINEER
No. 11533
exp. 6/30/24
ELECTRICAL
STATE OF CALIFORNIA
11/11/22

Platt/Whitelaw Architects, Inc.

4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104



C:\KRAUT\12\22\222 - 3:12 PM, 11/11/25 10:35:501 - CITY OF CHULA VISTA, SOUTH BAY YVCA, TENANT IMPROVEMENTS 2 10:35:501 E:\AG\DPH\21035_501 E-005 ELECTRICAL GENERAL NOTES.dwg

| | | | | | | | | |
|---|--------------|----|--------------------|-------|---|---------|-------------|----|
| REFERENCES DWG. NO.: CCV DWG No. 15024 | DESIGNED BY: | | SCALE | | DATUM | | REVISION | |
| | MB | MB | HORIZONTAL: 1"=20' | 1"=4' | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | 1991.35 | BY / DATE | 1. |
| | | GT | VERTICAL: 1"=4' | | VERTICAL: NAVD83 | | APPD / DATE | 2. |
| | | | | | | | | 3. |

| | | | |
|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |



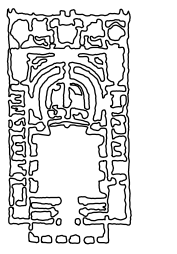
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ENGINEERING, INC.
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TREI # 21035.501
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11/11/22

Platt/Whitelaw
Architects, Inc.

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SAN DIEGO, CALIFORNIA
92104



GENERAL NOTES

- ALL WORK SHALL BE IN COMPLIANCE WITH THE 2019 EDITION OF THE CEC AND WHERE APPLICABLE AS AMENDED BY THE LOCAL ORDINANCES AND CODES OF GOVERNING MUNICIPALITIES.
- ALL ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND ALL OTHER RELATED CONTRACT DOCUMENTS.
- VERIFY EXACT LOCATION, SIZE, AND EXTENT OF ALL EXISTING UTILITIES, OBSTRUCTIONS AND/OR OTHER CONDITIONS WHICH MAY AFFECT THE PROPOSED WORK UNDER THE PROJECT. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO EXISTING WORK. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES DURING CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED OR REPLACED IN ACCORDANCE WITH THE OWNER'S DIRECTION AT THE CONTRACTOR'S EXPENSE.
- CAREFULLY EXAMINE ALL CONTRACT DRAWINGS/SPECIFICATIONS AND BE RESPONSIBLE FOR THE PROPER FITTING OF MATERIALS AND EQUIPMENT AT EACH LOCATION AS INDICATED WITHOUT SUBSTANTIAL ALTERATION. IN AS MUCH AS THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE OFFSETS, FITTINGS AND ACCESSORIES WHICH MAY BE REQUIRED. FURNISH FITTINGS REQUIRED TO MEET SUCH CONDITIONS AT NO COST TO THE OWNER.
- CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. EXPOSED CONDUITS SHALL BE INSTALLED TIGHT AGAINST AND PARALLEL TO BEAMS AND WALLS.
- ALL EXPOSED CONDUIT RUNS WITHIN THE BUILDING SHALL BE INSTALLED TIGHT AGAINST BOTTOM OF BEAMS UNLESS OTHERWISE NOTED.
- CONDUITS SHALL BE TERMINATED SO AS TO PERMIT FINAL CONNECTIONS TO MOTORS AND OTHER EQUIPMENT WITHOUT EXTENSIVE USE OF FLEXIBLE CONDUIT.
- CONDUITS WHICH TERMINATE AT SWITCHBOARD OR PANELBOARDS SHALL BE LOCATED FOR PROPER ALIGNMENT WITHOUT THE NEED FOR AUXILIARY GUTTERS, WIREWAYS OR PANEL EXTENSIONS.
- THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUITS ARE BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS APPROVED BY THE ARCHITECT/ENGINEER MAY BE MADE BY THE CONTRACTOR AT HIS EXPENSE TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL SHALL BE MAINTAINED AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.
- ALL SURFACE MOUNTED PANELS AND PANELBOARDS SHALL BE MOUNTED TO MAINTAIN A 1/4" AIR SPACE BETWEEN THE ENCLOSURE AND THE WALL.
- ALL PANELBOARDS SHALL BE MOUNTED SO THAT THE DISTANCE FROM THE TOP OF THE HIGHEST POSSIBLE CIRCUIT BREAKER OPERATING HANDLE TO THE FLOOR SHALL NOT EXCEED 6'-0".
- WHERE PANEL EXTENSIONS ARE REQUIRED TO EXTEND WIRING FROM EXISTING UNDERGROUND CONDUITS, THEY SHALL BE U.L. LISTED AS PANELBOARDS AND SHALL BE FABRICATED BY THE PANELBOARD MANUFACTURER.
- NAMEPLATES SHALL CONFORM STRICTLY TO INSTRUCTIONS AS SPECIFIED IN THE ELECTRICAL SPECIFICATIONS AND ON THE DRAWINGS. THE FOLLOWING SHALL HAVE NAMEPLATES:
 - ALL MAIN BREAKERS
 - ALL FEEDER BREAKERS IN SWITCHBOARDS AND DISTRIBUTION PANELS.
 - ALL PANELBOARDS AND SWITCHBOARDS
 - DISCONNECT SWITCHES
 - COMBINATION MOTOR STARTERS
 - ENCLOSED CIRCUIT BREAKERS
 - CONTROL CABINETS
- ALL FEEDERS AND BRANCH CIRCUITS SHALL HAVE AN INSULATED EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE PHASE/NEUTRAL CONDUCTORS. SYSTEM AND EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED AND INSTALLED AS REQUIRED BY THE CEC U.O.N.
- ALL CIRCUIT PROTECTIVE DEVICES SHALL HAVE THE REQUIRED RATINGS AND INTERRUPTING CAPACITY EQUAL TO OR GREATER THAN 110% OF THE AVAILABLE SHORT CIRCUIT CURRENT AT ITS SUPPLY TERMINAL.
- ALL ELECTRICAL PANELS, LIGHT FIXTURES AND EQUIPMENT RECESSED IN FIRE RATED WALLS AND CEILINGS SHALL BE BOXED WITH EQUIVALENT HOUR RATED CONSTRUCTION.
- OUTLET BOXES, UTILIZATION EQUIPMENT CABINETS, CONDUIT SYSTEMS, LIGHTING FIXTURES AND CONVENIENCE OUTLETS SHALL BE GROUNDED AND BONDED IN ALL ELECTRICAL SYSTEMS OPERATING AT 48 VOLTS AND ABOVE. EACH GROUND WIRE SHALL BE TERMINATED AT THE EQUIPMENT GROUND BAR OR TERMINAL. EQUIPMENT GROUND WIRES SHALL BE SIZED PER CEC 250.122.
- ALL CONDUIT ONLY (C.O.) SHALL HAVE A PULL ROPE CONTAINED WITHIN. LEAVE MINIMUM OF 2'-0" SLACK AT EACH END.
- ALL CONDUITS SHALL BE A MINIMUM TRADE SIZE OF 3/4", UNLESS OTHERWISE NOTED.
- ALL FEEDER AND BRANCH CIRCUIT WIRING SHALL BE COPPER IN RACEWAY, PER SPECIFICATIONS, REGARDLESS OF APPLICATION. NO ALUMINUM WIRING OR MC CABLE OR AC CABLE SHALL BE USED.
- ALL LIGHTING FIXTURES THAT MAY BE IN CONTACT WITH THE BUILDING'S INSULATION SHALL BE U.L. LISTED FOR SUCH INSTALLATIONS.
- ALL LIGHTING FIXTURES SHALL BE SUPPORTED FOR SEISMIC RESTRAINT PER REQUIREMENTS OF THE CALIFORNIA BUILDING CODE.
- ALL EQUIPMENT AND MATERIALS REMOVED BY THE CONTRACTOR SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- STUB UP AND CAP (6) 3/4" C.O. FROM THE TOP OF EACH FLUSH MOUNTED PANELBOARD TO 6" ABOVE THE ACCESSIBLE CEILING FOR FUTURE USE.

GENERAL NOTES

- FIELD VERIFY EXISTING CONDITIONS AND ADVISE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR DEVIATIONS BETWEEN PLANS AND ACTUAL CONDITIONS PRIOR TO SUBMITTING BID.
- IF THERE ARE CONFLICTS WITHIN THESE ELECTRICAL DRAWINGS OR BETWEEN THE ELECTRICAL DRAWINGS AND THE SPECIFICATIONS, OR BETWEEN THE ELECTRICAL DRAWINGS AND ANY MECHANICAL, ARCHITECTURAL, PLUMBING OR STRUCTURAL DRAWING, BID THE MORE EXPENSIVE OR ELABORATE PROCESS OR PROCEDURE SHOWN AND CALL THE DISCREPANCY TO THE ARCHITECT/ENGINEER'S ATTENTION. SHOULD THE CLIENT, IN ITS DISCRETION, CHOOSE TO IMPLEMENT THE CHEAPER OR SIMPLER PROCEDURE AFTER BID OPENING, A CREDIT CHANGE ORDER WILL BE ISSUED TO THE CONTRACTOR.
- ALL COLD WATER PIPE GROUND CONNECTIONS SHALL BE MADE WITHIN 5 FT. OF COLD WATER PIPE ENTRANCE INTO THE BUILDING. (REFERENCE CEC 250.52)
- WHERE 120V BRANCH CIRCUITS EXCEED 90 FEET IN LENGTH (200 FEET FOR 277V) INCREASE WIRE SIZE TO THE NEXT LARGER AWG.
- COORDINATE ALL DEVICES AT CASEWORK WITH ARCHITECTURAL INTERIOR ELEVATIONS AND CASEWORK SUBMITTALS PRIOR TO ROUGH-IN.
- ELECTRICAL RECEPTACLE(S) SHALL BE LOCATED WITHIN 18" OF ASSOCIATED TELECOMMUNICATIONS OR AUDIOVISUAL OUTLET(S) WHERE APPLICABLE. CONTRACTOR SHALL COORDINATE ALL OUTLET LOCATIONS WITH ARCHITECTURAL ELEVATIONS AND CASEWORK SHOP DRAWINGS.
- COORDINATE ALL FLOOR MOUNTED DEVICES WITH ARCHITECTURAL FURNITURE PLANS PRIOR TO ROUGH-IN.
- EXIT SIGNS SHALL BE LOCATED AS NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL. NO POINT SHALL BE MORE THAN 100'-0" FROM THE NEAREST VISIBLE SIGN. EXIT SIGNS SHALL BE READILY VISIBLE FROM ANY DIRECTION OF APPROACH.
- ALL EXPOSED CABLING ROUTED ABOVE ANY AND ALL CEILINGS SHALL BE PLENUM RATED.
- ALL OUTDOOR RECEPTACLES SHALL BE PROVIDED WITH WEATHERPROOF 'WHILE IN USE' COVERS.
- WHERE ITEMS ARE INDICATED FOR DISCONNECTION OR REMOVAL, REMOVE ALL ASSOCIATED CONDUIT, WIRING, SUPPORTS, AND BOXES BACK TO SOURCE UNLESS OTHERWISE NOTED. REMOVE CONDUIT FLUSH WITH SLAB. PATCH WALLS AND FLOORS NOT SCHEDULED FOR DEMOLITION.
- SEAL ALL PENETRATIONS OF RATED WALLS WITH U.L. LISTED FIRE STOP SYSTEM.
- EXPOSED CONDUITS, PULLBOXES AND CONNECTING HARDWARE ASSOCIATED WITH NEW WORK SHALL BE PAINTED TO MATCH THE ADJACENT SURFACE. SURFACES AFFECTED BY DEMOLITION WORK SHALL BE PATCHED, TEXTURED AND PAINTED TO MATCH THE ADJACENT SURFACE.
- PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6, AND 2019 CBC, SECTIONS 1616A. 1.23, 1616A. 1.24, 1616A. 1.25 AND 1616A.1.26.


THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPM #).

COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.
- DIVISION 26 CONTRACTOR SHALL CLOSELY COORDINATE THE RACEWAY INSTALLATION WITH THE DIVISION 27 CONTRACTOR. DIVISION 27 SHALL INSTRUCT DIVISION 26 ON THE SPECIAL REQUIREMENTS FOR THE INSTALLATION OF FIBER OPTIC AND CATEGORY 6 RACEWAYS. DIVISION 27 SHALL INSPECT AND ACCEPT RACEWAY SYSTEMS PRIOR TO THE INSTALLATION OF ANY DATA WIRING.
- THE FIRE ALARM SYSTEM SHOWN ON THESE DRAWINGS IS FOR BIDDING PURPOSES ONLY AND SHALL NOT BE USED FOR CONSTRUCTION. FIRE ALARM SHOP DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE AUTHORITY HAVING JURISDICTION (AHJ) FOR APPROVAL PRIOR TO INSTALLATION. THE DRAWINGS FOR SUBMITTAL SHALL INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
 - POINT TO POINT WIRING DIAGRAMS
 - FIRE ALARM RISER DIAGRAMS
 - NUMBER OF CONDUCTORS PER CIRCUIT
 - SIZE (GAUGE) OF ELECTRICAL CONDUCTORS
 - SYSTEM BATTERY CALCULATIONS
 - WORST-CASE VOLTAGE DROP CALCULATIONS
 - MANUFACTURER'S CUT SHEETS AND CSFM LISTING NUMBERS FOR EACH COMPONENT

NOTE: THE FIRE ALARM SYSTEM IS A DESIGN-BUILD EFFORT BY THE ELECTRICAL CONTRACTOR OR HIS APPOINTED SUB-CONTRACTOR.

CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA ELECTRICAL GENERAL NOTES

| | | | |
|--|--|---|---|
| | |  | CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTA.CA.GOV |
| RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022 | | APPROVED BY: DATE: _____ | DRAWING NO. E-002 |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | | |

C:\KRAUT\12\22\222 - 3:12 PM, 11/13/12 1035.S01 - CITY OF CHULA VISTA SOUTH BAY YHCA TENANT IMPROVEMENTS 1035.S01 TAGADPHUJ21035.S01 E-003 TECHNOLOGY MATERIAL LIST AND SYMBOL LEGEND.DWG

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| 3. | | 2. | | 1. | |
| | | | | REVISION | |
| | | | | BY / DATE | |
| | | | | APPD / DATE | |
| REFERENCES DWG. NO.: CCV DWG No. 15024 | | | | | |
| DESIGNED BY: MB | | SCALE | | DATUM | |
| MB | | HORIZONTAL: 1"=20' | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | |
| GT | | VERTICAL: 1"=4' | | VERTICAL: NAVD83 | |

TECHNOLOGY MATERIAL LIST

| | | |
|----|--|---|
| 1 | | CATEGORY 6 24 PORT PATCH PANEL |
| 2 | | 1 RU HORIZONTAL CABLE MANAGEMENT PANEL |
| 3 | | POWER STRIP SURGE SUPPRESSOR (2) 15A 120V NEMA 5-15R, (10) 20A 120V NEMA 5-20R RECEPTACLES |
| 4 | | 3/16" THICK x 3/4"H x 19"W HORIZONTAL HARD-DRAWN ELECTROLYTIC TOUGH PITCH 110 ALLOY COPPER RACK BONDING BUSBAR (OR EQUIVALENT) |
| 5 | | SOUTHWEST DATA PRODUCTS MODEL NO. SWE706-2 19"W X 84"H 43RU, (BLACK) WITH SWE310-36-V3 FAN KIT. |
| 6 | | STAINLESS STEEL TELECOMMUNICATIONS OUTLET FACEPLATE (PORT COUNT SHALL MATCH CATEGORY 6 PORT QUANTITY) |
| 7 | | CATEGORY 6 TELECOMMUNICATIONS JACK (RJ45) (BLUE) |
| 8 | | BLANK MULTI-MEDIA INSERT (COLOR SHALL MATCH ADJACENT ELECTRICAL WIRING DEVICE) |
| 9 | | SPLIT 66 TYPE TERMINATION BLOCK (50 PAIR CAPACITY) |
| 10 | | SURFACE MOUNT MODULE (2 PORT) |

TECHNOLOGY LEGEND

| SYMBOL | DESCRIPTION |
|--------|--|
| | DASHED SYMBOL INDICATES EXISTING OUTLET, DEVICE OR EQUIPMENT TO BE REMOVED U.O.N. |
| | FINE-LINED SYMBOL INDICATES EXISTING OUTLET, DEVICE OR EQUIPMENT TO REMAIN U.O.N. |
| | TELECOMMUNICATIONS OUTLET (DATA ONLY), WALL MOUNTED AT +18" AFF U.O.N., NUMBER INDICATES QUANTITY OF CATEGORY 6 PORTS. |
| | TELECOMMUNICATIONS OUTLET (DATA ONLY), MOUNTED WITHIN CEILING SPACE. NUMBER INDICATES QUANTITY OF CATEGORY 6 PORTS. |
| | INTRUSION SYSTEM KEYPAD, WALL MOUNTED AT +42" AFF U.O.N. |
| | INTRUSION SYSTEM MOTION DETECTOR, 360° PASSIVE INFRARED DETECTION, CEILING MOUNTED. |
| | DOOR CONTACT, DOUBLE POLE/DOUBLE THROW, FLUSH IN DOOR FRAME U.O.N. |
| | JUNCTION BOX. SIZED PER CEC, U.O.N. |
| | WALL MOUNTED JUNCTION BOX. SIZED PER CEC, U.O.N. |
| | GROUND CONNECTION OR GROUNDING ELECTRODE |
| | TELEPHONE OR DATA BACKBOARD, FIRE RESISTANT PLYWOOD. |
| | MAIN DISTRIBUTION FRAME OR INTERMEDIATE DISTRIBUTION FRAME. |
| | PROVISIONS FOR AN OWNER FURNISHED, CONTRACTOR INSTALLED CLOSED CIRCUIT TELEVISION SYSTEM SECURITY CAMERA. FIELD COORDINATE JUNCTION BOX TYPE WITH OWNER. |
| | PROVISIONS FOR AN OWNER FURNISHED, OWNER INSTALLED WIRELESS ACCESS POINT. |
| | OPEN LADDER TRAY. |
| | COMMUNICATIONS PULLBOX WITH SCREW COVER, SIZED PER ANSI TIA-569-E. |
| | COMMUNICATIONS PULLBOX, TYPE NEMA 3R. |
| | COMMUNICATIONS HANDHOLE, MOUNTED FLUSH WITH GRADE. |

TECHNOLOGY LEGEND

| SYMBOL | DESCRIPTION |
|--------|---|
| | EXISTING CONDUIT TO REMAIN. |
| | SLAB OR UNDERGROUND CONDUIT AND WIRING TO BE REMOVED. |
| | SURFACE RACEWAY AND WIRING TO BE REMOVED. |
| | CONDUIT AND WIRING TO BE REMOVED. |
| | CONDUIT CONCEALED IN WALL OR CEILING SPACE. |
| | CONDUIT CONCEALED UNDER FLOOR SLAB OR UNDERGROUND. |
| | CONDUIT INSTALLED EXPOSED. |
| | CONDUIT INSTALLED IN RAISED ACCESS FLOOR SPACE. |
| | OVERHEAD DISTRIBUTION LINES. |
| | CONDUIT TURNED UP. |
| | CONDUIT TURNED DOWN. |
| | CONDUIT STUB-OUT TERMINATION. |
| | CONDUIT STUBBED UP AND CAPPED IN CEILING SPACE. |
| | CONDUIT SLEEVE(S) IN ACCESSIBLE CEILING SPACE. |
| | CONDUIT CONTINUATION. |
| | INDICATES DETAIL '1' ON SHEET ET501 (TYPICAL). |
| | MATERIAL SHOWN WITH CORRESPONDING NUMBER FROM MATERIAL LIST, SHALL BE PROVIDED BY CONTRACTOR. |
| | KEYNOTE REFERENCE (TYPICAL). |

| | | | |
|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |

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11/11/22

Platt/Whitelaw
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92104

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|--|--|--------------|-----------------------------|
| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA TECHNOLOGY MATERIAL LIST AND SYMBOL LEGEND | | | |
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. E-003 |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | DATE: | |

C:\KRAUT\12/22/2022 - 3:12 PM, 11/11/23 10:35:50.01 - CITY OF CHULA VISTA, SOUTH BAY YHCA TENANT IMPROVEMENTS 2 1035.5 SD1 TAGADPHUL2 1035.5 SD1 E-004 TECHNOLOGY GENERAL NOTES, ALS SCHEDULE, ABBREVIATIONS AND ADA DETAIL.LWG

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|---|--|-----|-----|----|
| REVISION | | 1. | 2. | 3. |
| BY /DATE | | | | |
| APPD /DATE | | | | |
| REFERENCES DWG. NO.: | | | | |
| CCV DWG No. 15024 | | | | |
| DESIGNED BY: | | IMB | IMB | |
| DESIGNED BY: | | | GT | |
| SCALE | | | | |
| HORIZONTAL: 1"=20' | | | | |
| VERTICAL: 1"=4' | | | | |
| DATUM | | | | |
| HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | | | |
| VERTICAL: NAVD83 | | | | |

TECHNOLOGY GENERAL NOTES

- EXISTING TELEPHONE, TELECOMMUNICATIONS, FIRE ALARM AND ALL OTHER COMMUNICATION/INTRUSION SYSTEMS SHALL REMAIN IN OPERATION DURING CONSTRUCTION PERIOD. DO NOT REMOVE ANY EXISTING CONNECTIONS, FACE PLATES OR OTHER EXISTING DEVICES. INTERRUPTION TO EXISTING SYSTEM DUE TO CONTRACTORS ACTIONS SHALL BE REPLACED/RECTIFIED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- THIS DRAWING PACKAGE IS PRESENTED WITH SYMBOLS, REPRESENTATIONS, TEMPLATES AND PARTS LIST OF A SINGLE MANUFACTURER (LEVITON). OTHER OWNER APPROVED MANUFACTURERS SYMBOLS, REPRESENTATIONS, TEMPLATES AND PARTS LISTS REQUIRE A CONVERSION PACKAGE AND SHALL BE REQUESTED USING THE 'REQUEST FOR INFORMATION OR REQUEST FOR CLARIFICATION' PROCESS. IF OTHER OWNER APPROVED MANUFACTURERS (LEVITON) ARE PROPOSED TO BE USED IN THE CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL COST RELATED TO CONVERSION FROM DESIGN PACKAGE AND CONTRACTOR'S SUPPLIED PROPOSED INSTALLATION. PROPOSED INSTALLATION SHALL COMPLY WITH CONVERSION LAYOUTS AND PARTS LISTS. THE CONTRACTOR SHALL 'REQUEST CLARIFICATION' FOR ANY QUESTIONS REGARDING THE DESIGN OR IMPLEMENTATION CONSIDERATION WHEN USING THE CONVERSION PROCESS. ADDITIONAL COMPONENTS MAY BE REQUIRED WHEN USING OWNER APPROVED EQUAL MANUFACTURERS.
- THE FOLLOWING BEND RADII SHALL BE MAINTAINED FOR ALL COMMUNICATION UNDERGROUND CONDUIT SWEEPS.

| CONDUIT SIZE | CONDUIT SWEEP RADIUS |
|--------------|----------------------|
| 2" | 24" |
| 3" | 36" |
| 4" | 48" |
- DIVISION 27 CONTRACTOR SHALL CLOSELY COORDINATE THE RACEWAY INSTALLATION WITH THE DIVISION 26 CONTRACTOR. DIVISION 27 SHALL INSTRUCT THE DIVISION 26 ON THE SPECIAL REQUIREMENTS FOR INSTALLATION OF LOW VOLTAGE CABLING RACEWAYS. DIVISION 27 SHALL INSPECT AND ACCEPT RACEWAY SYSTEMS PRIOR TO THE INSTALLATION OF ANY LOW VOLTAGE WIRING.
- REFERENCE SPECIFICATIONS, TITLE SHEET GENERAL NOTES AND APPLICABLE DRAWINGS FOR ADDITIONAL INFORMATION.
- ALL WORK SHALL BE IN COMPLIANCE WITH THE ADA, CALIFORNIA AMENDMENTS (2019 CEC), DSA, AND WHERE APPLICABLE AS AMENDED BY LOCAL ORDINANCES AND CODES OF GOVERNING MUNICIPALITIES.
- ALL ELECTRICAL/TECHNOLOGY DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND ALL OTHER RELATED CONTRACT DRAWINGS.
- CAREFULLY EXAMINE ALL CONTRACT DRAWINGS/SPECIFICATIONS AND BE RESPONSIBLE FOR THE PROPER FITTING OF MATERIALS AND EQUIPMENT AT EACH LOCATION AS INDICATED WITHOUT SUBSTANTIAL ALTERATION. IN AS MUCH AS THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS AND ACCESSORIES WHICH MAY BE REQUIRED. FURNISHING FITTINGS REQUIRED TO MEET SUCH CONDITIONS SHALL BE AT NO COST TO THE CLIENT.
- CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT, FOREIGN UTILITY PATHWAYS AND STRUCTURAL CONDITIONS. EXPOSED CONDUITS SHALL BE INSTALLED PARALLEL TO BEAMS AND WALLS.
- FIELD VERIFY EXISTING CONDITIONS AND ADVISE ENGINEER OF ANY DISCREPANCIES OR DEVIATIONS BETWEEN PLANS AND ACTUAL CONDITIONS PRIOR TO SUBMITTING BID.
- EQUIPMENT AND MATERIALS REMOVED BY THE CONTRACTOR SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR. ACTIVE ELECTRONIC HARDWARE REMOVED BY THE CONTRACTOR SHALL BE GIVEN TO THE OWNER FOR RETENTION OR DISPOSAL.
- EXPOSED CONDUITS, COMMUNICATIONS PULLBOXES AND CONNECTING HARDWARE ASSOCIATED WITH NEW WORK SHALL BE PAINTED TO MATCH THE ADJACENT SURFACE. SURFACES AFFECTED BY DEMOLITION WORK SHALL BE PATCHED, TEXTURED AND PAINTED TO MATCH THE ADJACENT SURFACE.
- SUPPORT TELECOMMUNICATIONS, INTRUSION DETECTION, AND ALL OTHER LOW VOLTAGE CABLING WITH 'J-HOOK' SUPPORTS EVERY 5' WHERE CABLES ARE NOT SUPPORTED, ROUTED THROUGH CONDUIT OR CABLE TRAY. MAINTAIN 12" CLEARANCE FROM ELECTRICAL, LIGHTING AND EXPOSED ACCESS CONTROL CABLING.
- CEILING MOUNTED COMPONENTS SHALL BE POSITIVELY ATTACHED TO CEILING SUSPENSION SYSTEM BY MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE COMPONENT. PROVIDE A MINIMUM OF TWO ATTACHMENTS PER COMPONENT.
- ELECTRICAL DEVICES ARE DIMENSIONED TO CENTER OF DEVICE U.O.N.
- TELECOMMUNICATIONS OR AUDIO/VISUAL OUTLET(S) SHALL BE LOCATED WITHIN 18" OF ASSOCIATED ELECTRICAL RECEPTACLE(S) WHERE APPLICABLE. CONTRACTOR SHALL COORDINATE ALL OUTLET LOCATIONS WITH ARCHITECTURAL ELEVATIONS AND CASEWORK SHOP DRAWINGS.
- COORDINATE INSTALLATION OF WIRELESS ACCESS POINTS DEVICES WITHIN THE AREA OF CONSTRUCTION WITH THE OWNER.
- ANTICIPATED CONSTRUCTION PHASING HAS BEEN TAKEN INTO ACCOUNT AND IDENTIFIED ON THE CONSTRUCTION DRAWINGS. CONTRACTOR SHALL ADJUST CONSTRUCTION PHASING AS REQUIRED TO PROVIDE SCOPE OF WORK IN ACCORDANCE WITH SPECIFIED CONSTRUCTION DURATION. CONNECTIVITY TO LOW-VOLTAGE SYSTEMS SHALL REMAIN ACTIVE AND MAINTAINED DURING CONSTRUCTION.
- WALL MOUNTED DEVICES ARE PLACED TO PROVIDE SYSTEM FUNCTIONALITY AND CODE COMPLIANCE, WHILE COORDINATED TO ACCOMMODATE THE ARCHITECTURAL AESTHETICS. CONTRACTOR SHALL PROVIDE FRAMING TO ALLOW HORIZONTAL AND VERTICAL DEVICE BACKBOX ALIGNMENT WITH ARCHITECTURAL ELEMENTS WHERE APPLICABLE. CONTRACTOR SHALL COORDINATE DEVICE BACKBOX LOCATIONS WITH ARCHITECTURAL ELEVATIONS AND CASEWORK SHOP DRAWINGS.
- INTERIOR, EXTERIOR, AND UNDERGROUND CONDUITS SERVING LOW-VOLTAGE SYSTEMS CABLING SHALL NOT EXCEED 180° OF BENDS BETWEEN PULL POINTS.
- MAINTAIN A MINIMUM OF 12" SEPARATION BETWEEN ENERGIZED ELECTRICAL DEVICES OR ELECTRICAL PATHWAYS AND ALL LOW VOLTAGE CABLING (TELECOMMUNICATIONS, AUDIO/VISUAL, INTERCOMP/PUBLIC ADDRESS, INTRUSION DETECTION, ETC.). MAINTAIN A MINIMUM OF 12" SEPARATION BETWEEN TELECOMMUNICATIONS CABLING AND ACCESS CONTROL CABLING.
- REFER TO THIS SHEET FOR MINIMUM CONDUIT SIZES ALLOWED FOR THIS PROJECT.
- INSTALL BACK BOX ENCLOSURES AND JUNCTION BOXES PLUMB AND LEVEL. FOR EXTERIOR APPLICATIONS, GRIND UNEVEN EXTERIOR SURFACES TO ALLOW EACH DEVICE OR DEVICE COVER TO REST FLUSH WITH EXTERIOR WALL. GRIND SHALL NOT EXCEED 1/8" AROUND THE FOOT PRINT OF EACH DEVICE OR DEVICE COVER.

TECHNOLOGY ABBREVIATIONS

| ABBREV. | DESCRIPTION |
|---------|-------------------------------------|
| ACJ | ACCESS CONTROL JUNCTION BOX |
| ADA | AMERICANS WITH DISABILITIES ACT |
| AWG | AMERICAN WIRE GAUGE |
| AP | ACCESS POINT |
| BBC | BONDING BACKBONE CONDUCTOR |
| C | CONDUIT |
| CAT | CATEGORY |
| CBB | COMMUNICATIONS BACKBOARD |
| CIR | CIRCUIT |
| CHH | COMMUNICATION HANDHOLE |
| CPB | COMMUNICATIONS PULLBOX |
| CMR | COMMUNICATIONS RISER |
| CMP | COMMUNICATIONS PLENUM |
| DIA. | DIAMETER |
| DPDT | DOUBLE POLE, DOUBLE THROW |
| EMI | ELECTROMAGNETIC INTERFERENCE |
| EMT | ELECTRICAL METAL TUBING |
| ENT | ELECTRICAL NON-METAL TUBING |
| EP | ENTRANCE POINT |
| ER | EQUIPMENT ROOM |
| EX | EXISTING |
| F | FIXED |
| FO | FIBER OPTIC |
| FOV | FIELD OF VIEW |
| FTP | FOIL TWISTED-PAIR |
| GEC | GROUNDING ELECTRODE CONDUCTOR |
| GND | GROUND |
| HC | HORIZONTAL CROSS-CONNECT |
| IC | INTERMEDIATE CROSS-CONNECT |
| IDCR | INTRUSION DETECTION CARD READER |
| ID | INTERACTIVE DISPLAY |
| IDC | INSULATION DISPLACEMENT CONNECTOR |
| IDF | INTERMEDIATE DISTRIBUTION FRAME |
| IMC | INTERMEDIATE METAL CONDUIT |
| IP | INTERNET PROTOCOL |
| I/O | INDOOR/OUTDOOR |
| KCMIL | ONE THOUSAND CIRCULAR MILS (OR MCM) |
| LAN | LOCAL AREA NETWORK |
| LV | LOW VOLTAGE |
| MAX. | MAXIMUM |
| MC | MAIN CROSS-CONNECT |

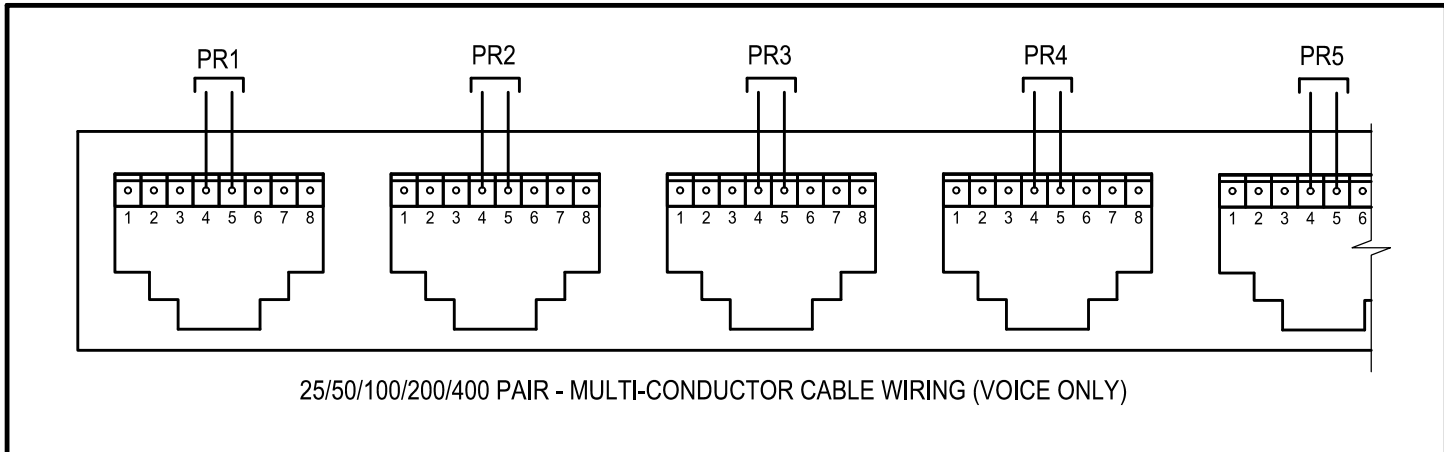
TECHNOLOGY ABBREVIATIONS

| ABBREV. | DESCRIPTION |
|---------|---------------------------------------|
| MDF | MAIN DISTRIBUTION FRAME |
| MIN. | MINIMUM |
| MM | MULTIMODE |
| MPOE | MINIMUM POINT OF ENTRY (TELCO) |
| NIC | NOT IN CONTRACT |
| O/C | ON CENTER |
| OFNR | OPTICAL FIBER NON-CONDUCTIVE RISER |
| OFNP | OPTICAL FIBER NON-CONDUCTIVE PLENUM |
| OM1 | OPTICAL MULTIMODE 1 |
| OM2 | OPTICAL MULTIMODE 2 |
| OM3 | OPTICAL MULTIMODE 3 |
| OM4 | OPTICAL MULTIMODE 4 |
| OFOI | OWNER FURNISHED, OWNER INSTALLED |
| OFCI | OWNER FURNISHED, CONTRACTOR INSTALLED |
| OS1 | OPTICAL SINGLE MODE 1 |
| OS2 | OPTICAL SINGLE MODE 2 |
| OSP | OUTSIDE PLANT |
| PBB | PRIMARY BONDING BUSBAR |
| PDU | POWER DISTRIBUTION UNIT |
| PIR | PASSIVE INFRARED |
| POE | POWER OVER ETHERNET |
| POS | POINT OF SALE |
| PROJ. | PROJECTOR |
| PVC | POLYVINYL CHLORIDE |
| RBB | RACK BONDING BUSBAR |
| REX | REQUEST TO EXIT |
| RGB | RED, GREEN, BLUE |
| RMC | RIGID METAL CONDUIT |
| RJ | REGISTERED JACK |

TECHNOLOGY ABBREVIATIONS

| ABBREV. | DESCRIPTION |
|---------|--|
| RU | RACK UNIT |
| SBB | SECONDARY BONDING BUSBAR |
| S/FTP | SHIELDED, FOIL SCREENED TWISTED-PAIR |
| SM | SINGLEMODE |
| SPOE | SINGLE POINT OF ENTRY |
| SQ. | SQUARE |
| STC | SIGNAL TERMINAL CABINET |
| STP | SHIELDED TWISTED-PAIR. |
| TBC | TELECOMMUNICATIONS BONDING CONDUCTOR |
| TBB | TELECOMMUNICATIONS BONDING BACKBONE |
| TEBC | TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR |
| TIA | TELECOMMUNICATIONS INDUSTRY ASSOCIATION |
| T.O. | TELECOMMUNICATIONS OUTLET |
| TR | TELECOMMUNICATIONS ROOM |
| TS | TEACHER'S STATION |
| TYP | TYPICAL |
| UPS | UNINTERRUPTIBLE POWER SUPPLY |
| USB | UNIVERSAL SERIAL BUS |
| UTP | UNSHIELDED TWISTED-PAIR. |
| U.O.N. | UNLESS OTHERWISE NOTED |
| VOIP | VOICE OVER INTERNET PROTOCOL |
| WAP | WIRELESS ACCESS POINT |
| WP | WEATHER PROOF |
| WS | WORK STATION |
| +42" | MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTER OF DEVICE OR FIXTURE U.O.N. |

MULTI-CONDUCTOR CABLE WIRING DIAGRAM





MINIMUM CONDUIT SIZES ALLOWED FOR THIS PROJECT

| | |
|-------------------------------------|--------------|
| INTRUSION DETECTION | 3/4" CONDUIT |
| TELECOMMUNICATIONS "VOICE" / "DATA" | 1" CONDUIT |

CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA TECHNOLOGY GENERAL NOTES, ALS SCHEDULE, ABBREVIATIONS AND ADA DETAIL

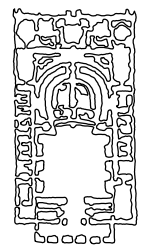
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|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |

**TURPIN & RATTAN**
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11/11/22

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SAN DIEGO, CALIFORNIA
92104



| | | | | | |
|--|--|--------------|--|-------|-------------|
| RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022 | | APPROVED BY: | | DATE: | DRAWING NO. |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | | | | E-004 |

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| | | | |
|---|----|----|----|
| REVISION | 1. | 2. | 3. |
| | | | |
| REFERENCES DWG. NO.: | | | |
| CCV DWG No. 15024 | | | |
| DESIGNED BY: | MB | MB | GT |
| | | | |
| SCALE | | | |
| HORIZONTAL: 1"=20' | | | |
| VERTICAL: 1"=4' | | | |
| DATUM | | | |
| HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | | |
| VERTICAL: NAVD88 | | | |

| | | | |
|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |

LIGHTING FIXTURE SCHEDULE

| FIXTURE TYPE | MANUFACTURER AND CATALOG NUMBER (2) | EQUIVALENT MANUFACTURER SUBJECT TO APPROVAL OF SHOP DRAWINGS | LAMPS | | | FIXTURE | | DRIVER TYPE (1) | MOUNTING | DESCRIPTION |
|--------------|--|---|-------|-------|-------------|-------------|-------------------|--------------------|----------|---|
| | | | TYPE | WATTS | COLOR TEMP. | INPUT VOLTS | TOTAL INPUT WATTS | | | |
| A | GOTHAM LIGHTING IC04-30/15-AR-FL- LD-60D-120-GZ1 | OR EQUAL (INCLUDING EQUAL OR GREATER DELIVERED LUMEN OUTPUT AND EQUAL OR LESS TOTAL FIXTURE WATTAGE) | LED | 16 | 3000°K | 120 | 16 | DIMMING | RECESSED | 4" DIAMETER RECESSED 1500 LUMEN HIGH PERFORMANCE LED DOWNLIGHT WITH FLANGELESS INSTALLATION, 60 DEGREE BEAM ANGLE, AND INTEGRAL 0-10V DIMMING DRIVER. |
| B | GOTHAM LIGHTING IC04CC-30/15-AR-FL- LD-60D-120-GZ1-JBX-CCAN-MOUNTING | OR EQUAL (INCLUDING EQUAL OR GREATER DELIVERED LUMEN OUTPUT AND EQUAL OR LESS TOTAL FIXTURE WATTAGE) | LED | 16 | 3000°K | 120 | 16 | DIMMING | PENDANT | 4" DIAMETER PENDANT MOUNTED 1500 LUMEN HIGH PERFORMANCE LED CYLNDER 60 DEGREE BEAM ANGLE AND INTEGRAL 0-10V DIMMING DRIVER. |
| C | PRUDENTIAL LIGHTING BPRO4-REC-FLSH-LED3-MO-4'- TMW-SAL-120-X3-DM01 | OR EQUAL (INCLUDING EQUAL OR GREATER DELIVERED LUMEN OUTPUT AND EQUAL OR LESS TOTAL FIXTURE WATTAGE) | LED | 24 | 3000°K | 120 | 24 | DIMMING | RECESSED | 4" WIDE X 4' LONG RECESSED 2700 LUMEN HIGH PERFORMANCE LINEAR LED WITH EXTRUDED ALUMINUM HOUSING, FROSTED ACRYLIC LENS, AND INTEGRAL 0-10V DIMMING DRIVER. |
| D | EATON METALUX 4SNLED-LD5-41SL-LW-UNV-L830- CD1-MOUNTING HARDWARE | OR EQUAL (INCLUDING EQUAL OR GREATER DELIVERED LUMEN OUTPUT AND EQUAL OR LESS TOTAL FIXTURE WATTAGE) | LED | 35 | 3000°K | 120 | 35 | DIMMING | SURFACE | 3" X 4' 4214 SURFACE MOUNTED LUMEN LED STRIPLIGHT LUMINAIRE WITH FULL FROSTED WIDE DISTRIBUTION LENS, BAKED WHITE ENAMEL FINISH AND INTEGRAL 0-10V DIMMING DRIVER. |
| E | HUBBELL DUAL-LITE LE-C-S-R-DIRECTIONAL ARROWS AS INDICATED-N-E-I | OR EQUAL | LED | 4 | - | 277 | 4 | - | SURFACE | EDGE-LIT LED EXIT SIGN WITH ACRYLIC WEDGE SHAPED CLEAR PANEL, RED LETTERS, DIRECTIONAL ARROWS AS INDICATED, SATIN ALUMINUM HOUSING AND MAINTENANCE FREE NICAD BATTERY WITH 90 MINUTE RATING. |
| F | INSIGHT LIGHTING PEX-MO-RGB40-1060-SM-48- UNV-DMX-COLOR-JC-1 | OR EQUAL (INCLUDING EQUAL OR GREATER DELIVERED LUMEN OUTPUT AND EQUAL OR LESS TOTAL FIXTURE WATTAGE) | LED | 28 | RGB | 120 | 28 | DIMMING | SURFACE | 1.75" X 4' SURFACE MOUNTED COLOR CHANGING LED LUMINAIRE WITH DMX CONTROLS AND INTEGRAL 0-10V DIMMING DRIVER, U.L. LISTED FOR WET LOCATIONS. MOUNT AT 10'-0" A.F.F. |
| G | SPI LIGHTING SIW12139-4FT-L28W(ANO4)-120- 3500K-MCS-FT-XX | OR EQUAL (INCLUDING EQUAL OR GREATER DELIVERED LUMEN OUTPUT AND EQUAL OR LESS TOTAL FIXTURE WATTAGE) | LED | 28 | 3500°K | 120 | 28 | DIMMING | SURFACE | 2.2" X 4' SURFACE STEM MOUNTED 2800 LUMEN LED LUMINAIRE WITH EXTRUDED ALUMINUM HOUSING AND INTEGRAL 0-10V DIMMING DRIVER, U.L. LISTED FOR WET LOCATIONS. MOUNT AT 10'-0" A.F.F. |
| H | HALO LIGHTING TRACK: L653MB/992MB HEAD: L815MED10FL935MB | OR EQUAL (INCLUDING EQUAL OR GREATER DELIVERED LUMEN OUTPUT AND EQUAL OR LESS TOTAL FIXTURE WATTAGE) | LED | - | 3000°K | 120 | - | DIMMING | SURFACE | 1 3/8" WIDE X 11/16" TALL X 32' LONG STRUT MOUNTED TRACK SYSTEM SYSTEM WITH REMOTE 0-10V DRIVER WITH DIMMING TO 1 PERCENT AND SIX ADJUSTABLE MAGNETICALLY HELD 670 LUMEN MONOPOINT TRACK HEADS WITH 24 DEGREE BEAM SPREAD AND HEX CELL LOUVERS. MOUNT AT +11'-0" A.F.F. |
| J | LIGMAN LIGHTING UTA-31861-20W-T3-W35-COLOR-120/277V-DIM | OR EQUAL (INCLUDING EQUAL OR GREATER DELIVERED LUMEN OUTPUT AND EQUAL OR LESS TOTAL FIXTURE WATTAGE) | LED | 20 | 3000°K | 120 | 20 | DIMMING | SURFACE | 7.3" DIAMETER X 10.7" TALLSURFACE MOUNTED 1500 LUMEN LED LUMINAIRE WITH IMPACT RESISTANT CONSTRUCTION, TYPE III DISTRIBUTION AND INTEGRAL 0-10V DIMMING DRIVER. U.L. LISTED FOR WET LOCATIONS. MOUNT AT 8'-0" A.F.F. |
| K | TRACE LITE LUDEC SERIES LUDEC48WH | OR EQUAL (INCLUDING EQUAL OR GREATER DELIVERED LUMEN OUTPUT AND EQUAL OR LESS TOTAL FIXTURE WATTAGE) | LED | 18 | 2700°K | 120 | 18 | DIMMING | SURFACE | 48" 1430 LUMEN UNDERCABINET LED LUMINAIRE WITH INTEGRAL DIMMING DRIVER AND ROCKER SWITCH. |
| L | LIGMAN LIGHTING UKWH-30001-20W LED-T2-W30-COLOR-120/277V-DIM | OR EQUAL (INCLUDING EQUAL OR GREATER DELIVERED LUMEN OUTPUT AND EQUAL OR LESS TOTAL FIXTURE WATTAGE) | LED | 20 | 3000°K | 120 | 20 | - | SURFACE | 10.8" X 15.7" 2591 LUMEN LED FLOOR LIGHT WITH TYPE 2 DISTRIBUTION, MARINE GRADE EXTRUDED ALUMINUM HOUSING, STAINLESS STELL HARDWARE AND INTEGRAL 0-10V DIMMING DRIVER. U.L. LISTED FOR WET LOCATIONS. MOUNT AT 14'-0" A.F.F. |
| L1 | LIGMAN LIGHTING UKWH-30001-20W LED-T3-W30-COLOR-120/277V-DIM | OR EQUAL (INCLUDING EQUAL OR GREATER DELIVERED LUMEN OUTPUT AND EQUAL OR LESS TOTAL FIXTURE WATTAGE) | LED | 20 | 3000°K | 120 | 20 | - | SURFACE | 10.8" X 15.7" 2591 LUMEN LED FLOOR LIGHT WITH TYPE 3 DISTRIBUTION, MARINE GRADE EXTRUDED ALUMINUM HOUSING, STAINLESS STELL HARDWARE AND INTEGRAL 0-10V DIMMING DRIVER. U.L. LISTED FOR WET LOCATIONS. |
| X | BECHELLI TA-LED-SE-UNV-AT-S | LITHONIA LIGHTING WLTU MR OR ANY TRUE EQUAL | LED | 6 | 4000° K | 120 | 6 | - | SURFACE | 17" X 6.5" SURFACE MOUTNED HIGH OUTPUT LED EMERGENCY LIGHT FIXTURE WITH NICKEL METAL HYDRIDE BATTERY RATED FOR 90 MINUTES OPERATION, AUTOMATIC AUTOTEST FUNCTION, FLAME RESISTANT POLYCARBONATE HOUSING, VANDAL RESISTANT CLIPS AND GREY FINISH. U.L. LISTED FOR WET LOCATIONS. |

FIXTURE NOTES

- 1
- FIXTURE CONNECTIONS SHALL BE AS INDICATED ON THE PLANS AND SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF TITLE 24, CALIFORNIA ENERGY EFFICIENCY REGULATIONS.
- 2
- CATALOG NUMBERS ARE BASED ON VENDOR INFORMATION, SALES LITERATURE AND PHOTOMETRIC DATA ON HAND AT THE TIME OF PROJECT DESIGN BY TURPIN & RATTAN ENGINEERING, INC. AND ARE INTENDED TO CONVEY THE FEATURES/PERFORMANCE REQUIRED. EACH FIXTURE MUST BE PROVIDED COMPLETE WITH ALL FITTINGS AS APPROPRIATE FOR PROPER MOUNTING AT THE LOCATIONS INDICATED.

SHEET NOTES

LIGHTING CONTROLS VENDOR SHALL BE RESPONSIBLE FOR PROVIDING ALL PLENUM RATED COMMUNICATIONS CABLING WITH TERMINATIONS, TOGETHER WITH COORDINATION AS NECESSARY FOR THE SUPPLY OF ALL INTEGRATED LIGHTING CONTROL INTERFACE DEVICES IN ALL LIGHT FIXTURES IRRESPECTIVE OF FIXTURE MANUFACTURER TO OFFER A FULLY OPERABLE TITLE 24 COMPLIANT LIGHTING CONTROL SYSTEM.


CONTRACTOR SHALL PROVIDE TWO (2) WIRELESS CONFIGURATION TOOLS COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM USED ON THIS PROJECT (WATTSTOPPER CAT #LMCT-100, OR EQUAL IF OTHER MANUFACTURER). TURN OVER TO OWNER'S REPRESENTATIVE AT PROJECT COMPLETION.

THE LIGHTING CONTROL DIAGRAMS ARE REFLECTIVE OF LIGHTING CONTROL SYSTEMS MANUFACTURED BY COOPER-GREENGATE, N-LIGHT OR WATTSTOPPER. OTHER LIGHTING CONTROL SYSTEM MANUFACTURERS MAY NOT BE FULLY OR SATISFACTORILY REPRESENTED HEREIN. ADDITIONAL COMPONENTS MAY BE REQUIRED TO MAKE THE CONTROL SYSTEM FULLY OPERATIVE (AT NO ADDITIONAL COST TO THE OWNER) IF ALTERNATIVE MANUFACTURERS ARE SELECTED FOR THIS PROJECT.

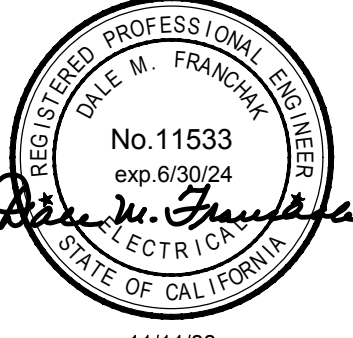
PRIOR TO INSTALLATION OF LIGHT FIXTURES FOR THIS PROJECT, WE RECOMMEND THAT THE CONTRACTOR 'BENCH-TEST' EACH FIXTURE TYPE WITH THE CHOSEN LIGHTING CONTROL SYSTEM AND EACH TYPE OF DIMMING CONTROL STATION, TO ENSURE FULL COMPATIBILITY AND SATISFACTORY OPERATION OF ALL FIXTURE/CONTROL SYSTEM CONFIGURATIONS.

CASA CASILLAS ARTIST SPACE
50 4TH AVENUE. CHULA VISTA, CA
LIGHTING FIXTURE SCHEDULE

| | | | | |
|---|--|--------------|-------|-------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DATE: | DRAWING NO. |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | | | E-005 |



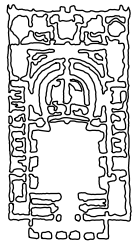
TURPIN & RATTAN
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TREI # 21035.S01
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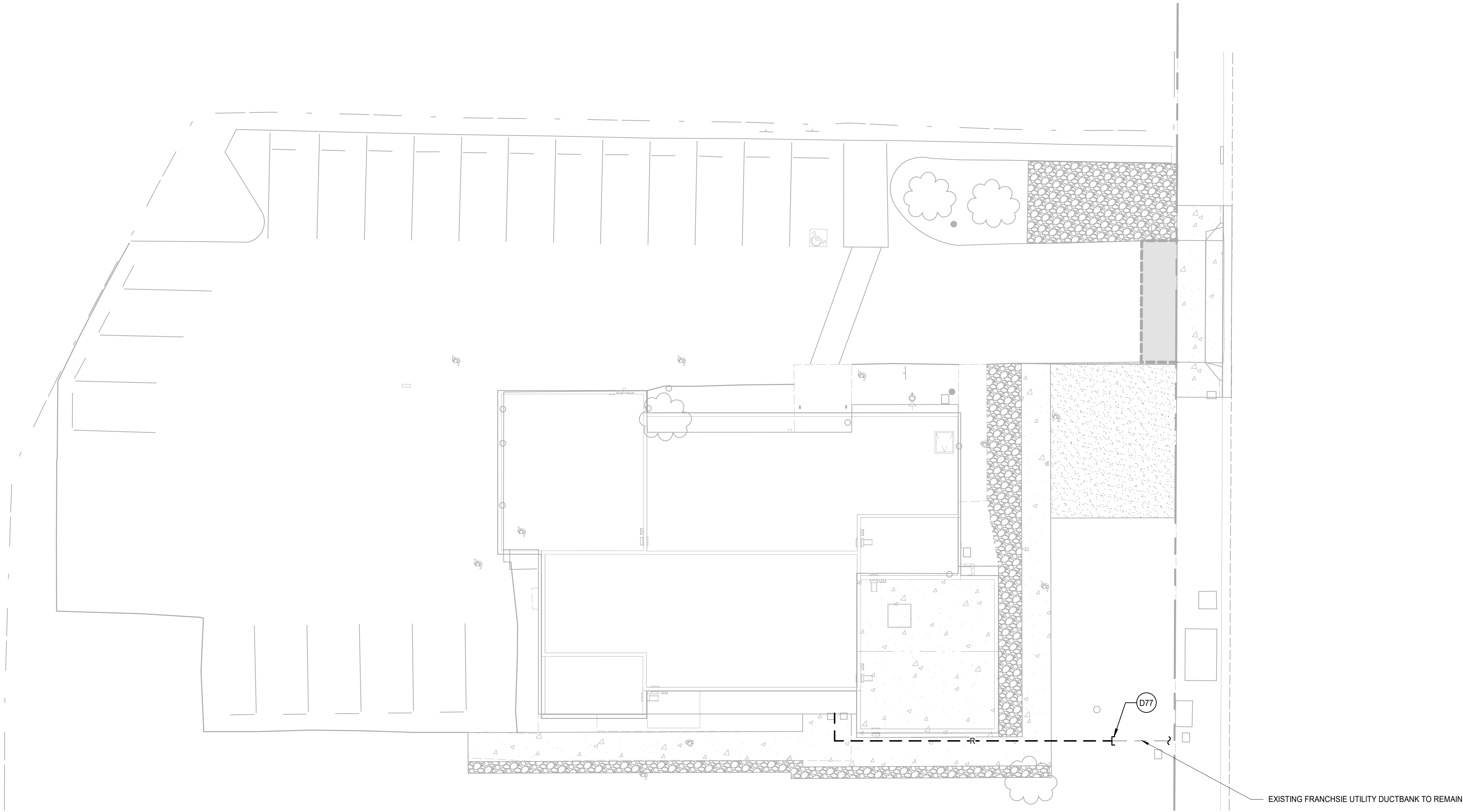
11/11/22

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Architects, Inc.

4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104



| | | | | | | |
|---|--------------|--------------------|----------------------|-----------|----------|--|
| DATUM | DESIGNED BY: | | REFERENCES DWG. NO.: | | REVISION | |
| | MB | | CCV DWG No. 15024 | | | |
| | GT | | | | | |
| HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | SCALE | | BY / DATE | | |
| VERTICAL: NAVD88 | | HORIZONTAL: 1"=20' | | 2. | | |
| | | VERTICAL: 1"=4' | | | | |
| | | | | 3. | | |



1 TECHNOLOGY DEMOLITION SITE PLAN
SCALE: 3/32" = 1'-0"

| KEYNOTES | |
|----------|--|
| D77 | CUT, CAP AND PROTECT IN PLACE FOR RE-CONNECTION. REFER TO SHEET E-204 FOR ADDITIONAL REQUIREMENTS. |

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|----------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |

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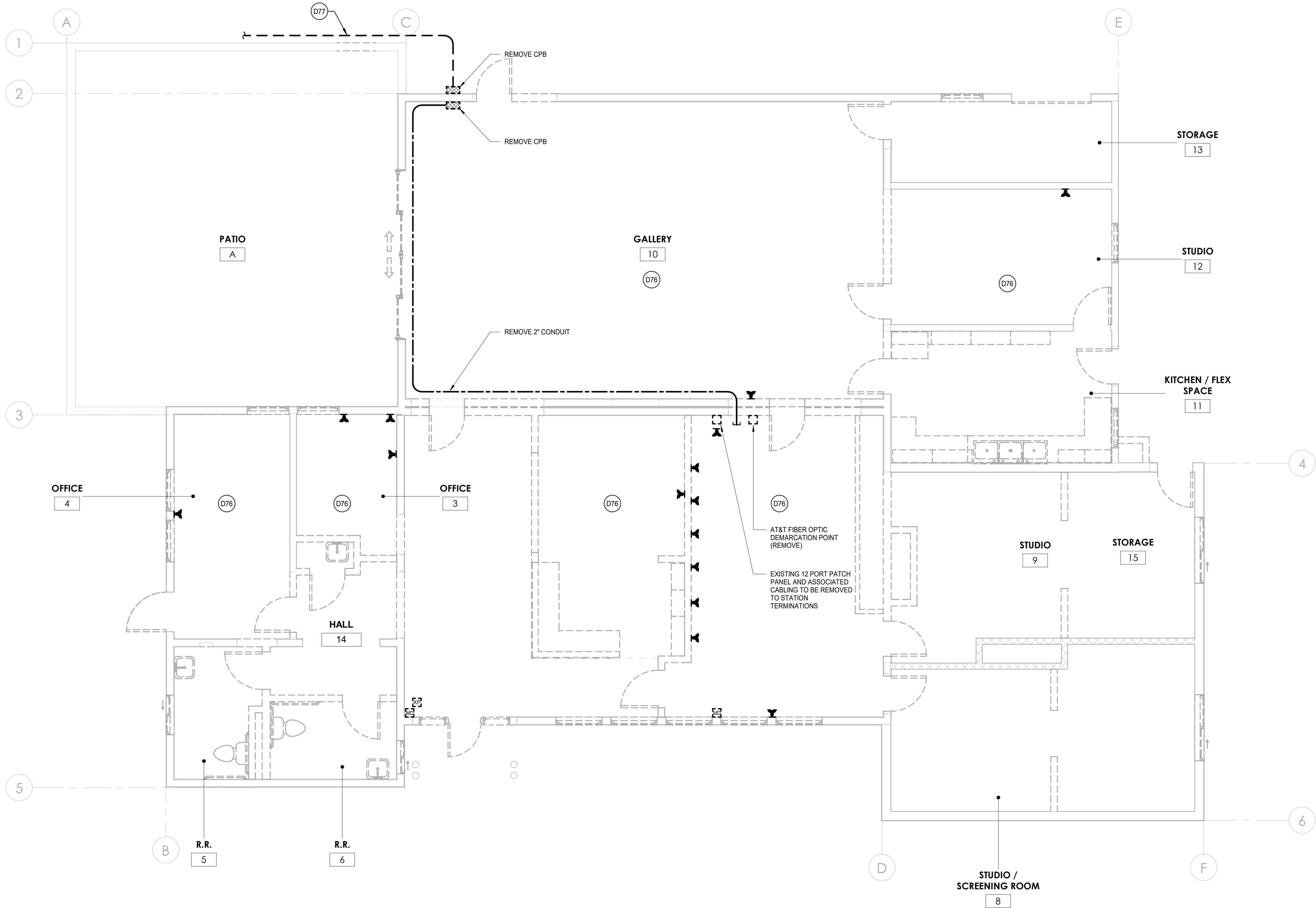
DALE M. FRANCHAK
11533
6/30/24
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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Architects, Inc.

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92104

| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE, CHULA VISTA, CA TECHNOLOGY DEMOLITION SITE PLAN | | | |
|---|--|--------------|-------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | DATE: | E-101 |

| | | | | | | | |
|----|----|--------------------------------------|---|--------------------|--------------------|--|---|
| 3. | 2. | REVISION BY / DATE APPD / DATE | REFERENCES DWG. NO.: OCV DWG No. 15024 | MB DESIGNED BY: | MB DESIGNED BY: | SCALE HORIZONTAL: 1"=20' VERTICAL: 1"=4' | DATUM HORIZONTAL: CCS 83 ZONE 6, EPOCH 1981.35 VERTICAL: NAVD88 |
| | | | | | | | |



| KEYNOTES | |
|----------|--|
| D76 | REMOVE ALL LOW VOLTAGE COMPONENTS, ASSOCIATED PATHWAYS, AND RELATED CABLING WITHIN THE AREA OF DEMOLITION TO SOURCE TERMINATIONS. RETURN ACTIVE AND PASSIVE TECHNOLOGY EQUIPMENT TO THE OWNER FOR RETENTION OR DISPOSAL. |
| D77 | CUT, CAP AND PROTECT IN PLACE FOR RE-CONNECTION. REFER TO SHEET E-204 FOR ADDITIONAL REQUIREMENTS. |

| SHEET NOTES | |
|-------------|--|
| 1. | IN-FILL, PATCH, TEXTURE AND PAINT ALL SURFACES AFFECTED BY DEMOLITION AS REQUIRED TO MATCH THE ADJACENT SURFACE. |

1

TECHNOLOGY DEMOLITION FLOOR PLAN

SCALE: 1/4" = 1'-0"

0

1'

2'

4'

8'

12'

SCALE: 1/4"=1'-0"

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|----------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |

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REGISTERED PROFESSIONAL ENGINEER

DALE M. FRANCHAK

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exp. 6/30/24

STATE OF CALIFORNIA

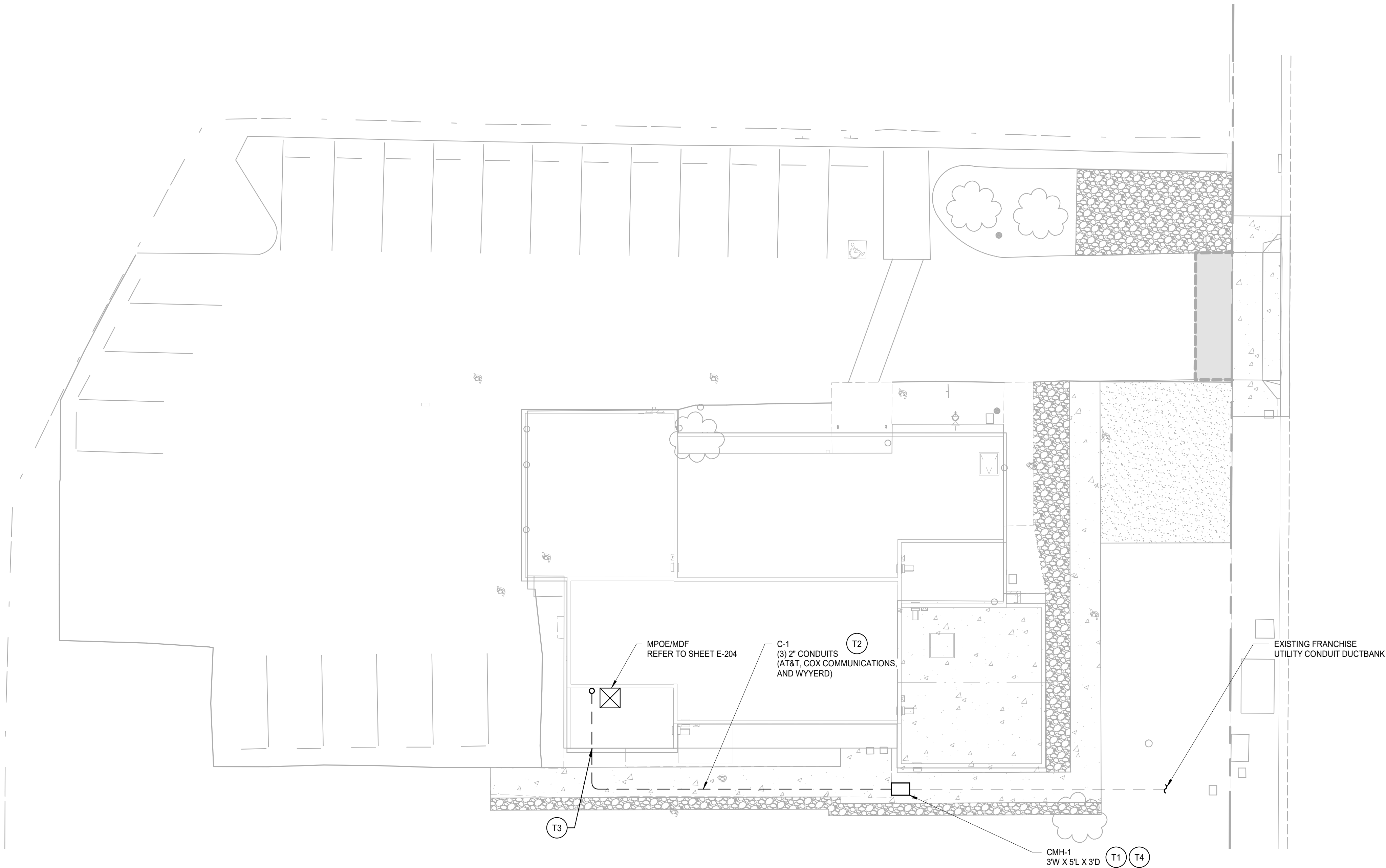
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92104

| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA TECHNOLOGY DEMOLITION FLOOR PLAN | | | |
|--|--|--------------|-------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | DATE: | E-103 |

| | | | | | | | | |
|-------|--|--|--------------|-------------------|----------------------|-------------|----|----|
| DATUM | SCALE | | DESIGNED BY: | MB | REFERENCES DWG. NO.: | REVISION | 2. | 3. |
| | HORIZONTAL: CCS 83 ZONE 6, EPOCH 1991.35 VERTICAL: NAVD88 | | MB | CCV DWG No. 15024 | BY / DATE | | | |
| | HORIZONTAL: 1"=20' | | DESIGNED BY: | GT | | APPD / DATE | | |



1 TECHNOLOGY SITE PLAN
SCALE: 3/32" = 1'-0"

| KEYNOTES | |
|----------|--|
| T1 | REFER TO 1/E-301 FOR COMMUNICATIONS MAINTENANCE HOLE INSTALLATION DETAILS AND ADDITIONAL REQUIREMENTS. |
| T2 | REFER TO 2/E-301 FOR COMMUNICATIONS DUCTBANK INSTALLATION DETAIL AND ADDITIONAL REQUIREMENTS. |
| T3 | REFER TO 3/E-301 FOR BELOW GRADE COMMUNICATIONS CONDUIT INSTALLATION DETAILS AND REQUIREMENTS. |
| T4 | REFER TO 1/E-303 FOR COMMUNICATIONS MAINTENANCE HOLE LABELING DETAILS AND ADDITIONAL REQUIREMENTS. |

- SHEET NOTES**
- COORDINATE THE INSTALLATION OF OWNER FURNISHED EQUIPMENT TO ALLOW COMPLETION OF EACH SYSTEM PRIOR TO AN ACKNOWLEDGEMENT OF SUBSTANTIAL COMPLETION.
 - PRIOR TO TRENCHING, COORDINATE EXACT LOCATION, SIZE AND EXTENT OF ALL UTILITIES AND OTHER CONDITIONS WHICH MAY AFFECT THE PROPOSED WORK UNDER THE PROJECT. TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO EXISTING WORK, INCLUDING POTHOUSING HAND DIGGING AROUND EXISTING UTILITIES AND HARDSCAPE FEATURES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE IMMEDIATELY REPAIRED OR REPLACED IN ACCORDANCE WITH THE OWNER'S DIRECTION AT THE CONTRACTOR'S EXPENSE. COORDINATE WITH CIVIL AND ARCHITECTURAL DRAWINGS.

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|----------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |

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DALE M. FRANCHAK
11533
6/30/24
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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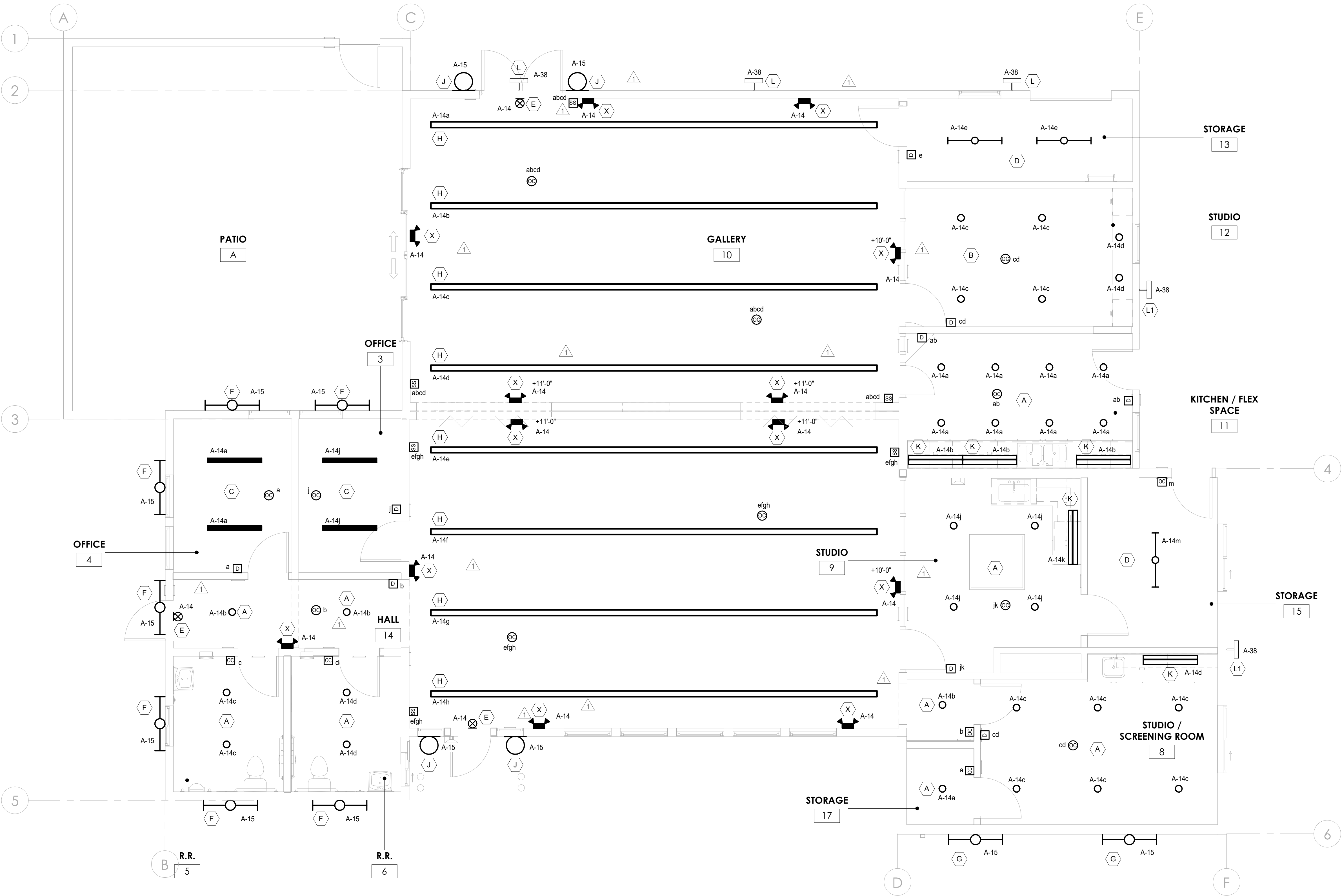
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92104

| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE, CHULA VISTA, CA TECHNOLOGY SITE PLAN | | | |
|--|--|-----------------------------|--|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | DATE: | |
| | | DRAWING NO. E-201 | |

CITY OF CHULA VISTA

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| | | | | | | |
|----|----|--------------------------------------|---|--|--|---|
| 3. | 2. | REVISION BY / DATE APPD / DATE | REFERENCES DWG. NO.: CCV DWG No. 15024 | DESIGNED BY: MB DESIGNED BY: GT | SCALE HORIZONTAL: 1"=20' VERTICAL: 1"=4' | DATUM HORIZONTAL: CCS 83 ZONE 6, EPOCH 1991.35 VERTICAL: NAVD88 |
|----|----|--------------------------------------|---|--|--|---|



1 LIGHTING FLOOR PLAN
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8' 12'
SCALE: 1/4"=1'-0"

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|----------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |

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4719 PALM AVENUE
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619 / 466 / 6224 FAX 466 / 6233
E-MAIL: ENGINEER@TREISO.COM
TREI # 21035.S01
12/22/2022 3:43:39 PM

REGISTERED PROFESSIONAL ENGINEER
DALE M. FRANCHAK
11533
exp. 6/30/24
STATE OF CALIFORNIA
11/11/22

Platt/Whitelaw
Architects, Inc.
4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104

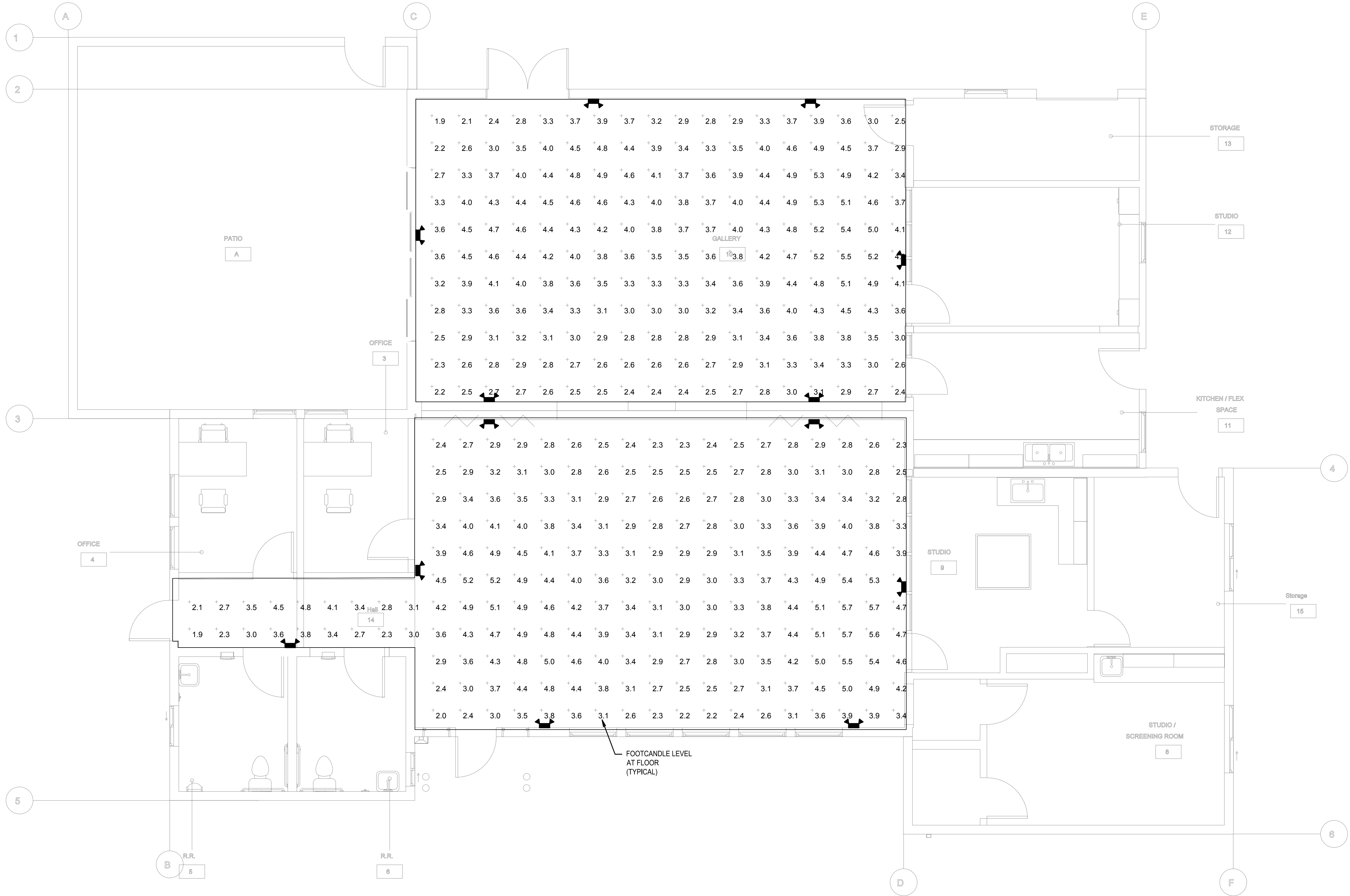
| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE, CHULA VISTA, CA LIGHTING FLOOR PLAN | | | |
|---|--|--------------|-------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | DATE: | E-202 |

C:\KRAUT\12\22\222 - 3:12 PM, 11/11/23 10:35:50.01 - CITY OF CHULA VISTA, SOUTH BAY YMCA TENANT IMPROVEMENTS 1035.S01 E-202A EGRESS LIGHTING PHOTOMETRIC PLAN.DWG

| | | | | | |
|----|--|----------------------|--|----|--|
| | | REFERENCES DWG. NO.: | | | |
| | | CCV DWG No. 15024 | | | |
| | | BY / DATE | | | |
| | | APPD / DATE | | | |
| 1. | | | | 2. | |
| 3. | | | | | |

| | | | | | |
|--|--|--------------------|--|--------------|--|
| DATUM | | SCALE | | DESIGNED BY: | |
| HORIZONTAL: CCS '83 ZONE 6 EPOCH 1991.35 | | HORIZONTAL: 1"=20' | | MB | |
| VERTICAL: NAVD88 | | VERTICAL: 1"=4' | | GT | |

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |



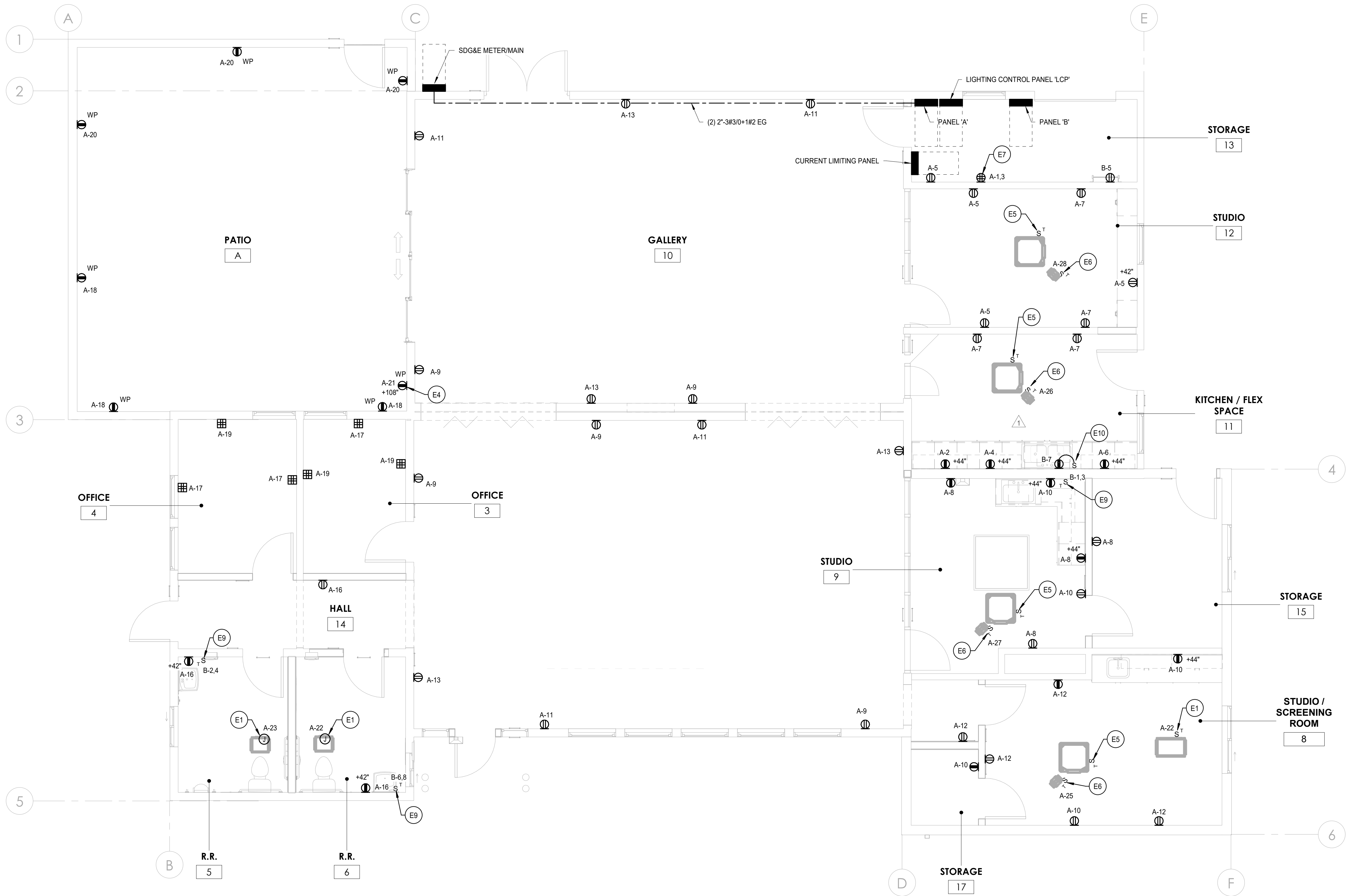
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SAN DIEGO, CALIFORNIA
92104

| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE, CHULA VISTA, CA EGRESS LIGHTING PHOTOMETRIC PLAN | | | |
|---|--|------------------------------|-------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DATE: |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | | |
| <p>CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTACA.GOV</p> | | DRAWING NO. E-202A | |

| | | | | | | |
|----|----|--------------------------------------|---|--|--|---|
| 3. | 2. | REVISION BY / DATE APPD / DATE | REFERENCES DWG. NO.: CCV DWG No. 15024 | DESIGNED BY: MB DESIGNED BY: GT | SCALE HORIZONTAL: 1"=20' VERTICAL: 1"=4' | DATUM HORIZONTAL: CCS 83 ZONE 6, EPOCH 1981.35 VERTICAL: NAVD88 |
|----|----|--------------------------------------|---|--|--|---|



| KEYNOTES | |
|----------|--|
| E1 | PROVIDE POWER FOR EXHAUST FAN. FIELD COORDINATE EXACT LOCATION. |
| E4 | RECEPTACLE FOR OWNER FURNISHED, CONTRACTOR INSTALLED STRING LIGHTS. |
| E5 | INDOOR UNIT POWERED VIA OUTDOOR UNIT. PROVIDE 3/4"-2#12+1312 EG BETWEEN EACH. FIELD VERIFY EXACT LOCATION. REFER TO VENDOR SHOP DRAWINGS FOR MORE INFORMATION. |
| E6 | PROVIDE POWER FOR SUPPLY FAN. FIELD VERIFY EXACT LOCATION. |
| E7 | PROVIDE RECEPTACLE WITHIN IDF CABINET. FIELD COORDINATE EXACT LOCATION. |
| E9 | PROVIDE POWER FOR WATER HEATER. FIELD COORDINATE EXACT LOCATION. |
| E10 | PROVIDE POWER FOR GARBAGE DISPOSAL. WIRE TO SWITCH FOR ON/OFF CONTROL. |

1 POWER FLOOR PLAN
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8' 12'
SCALE: 1/4"=1'-0"

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|----------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |

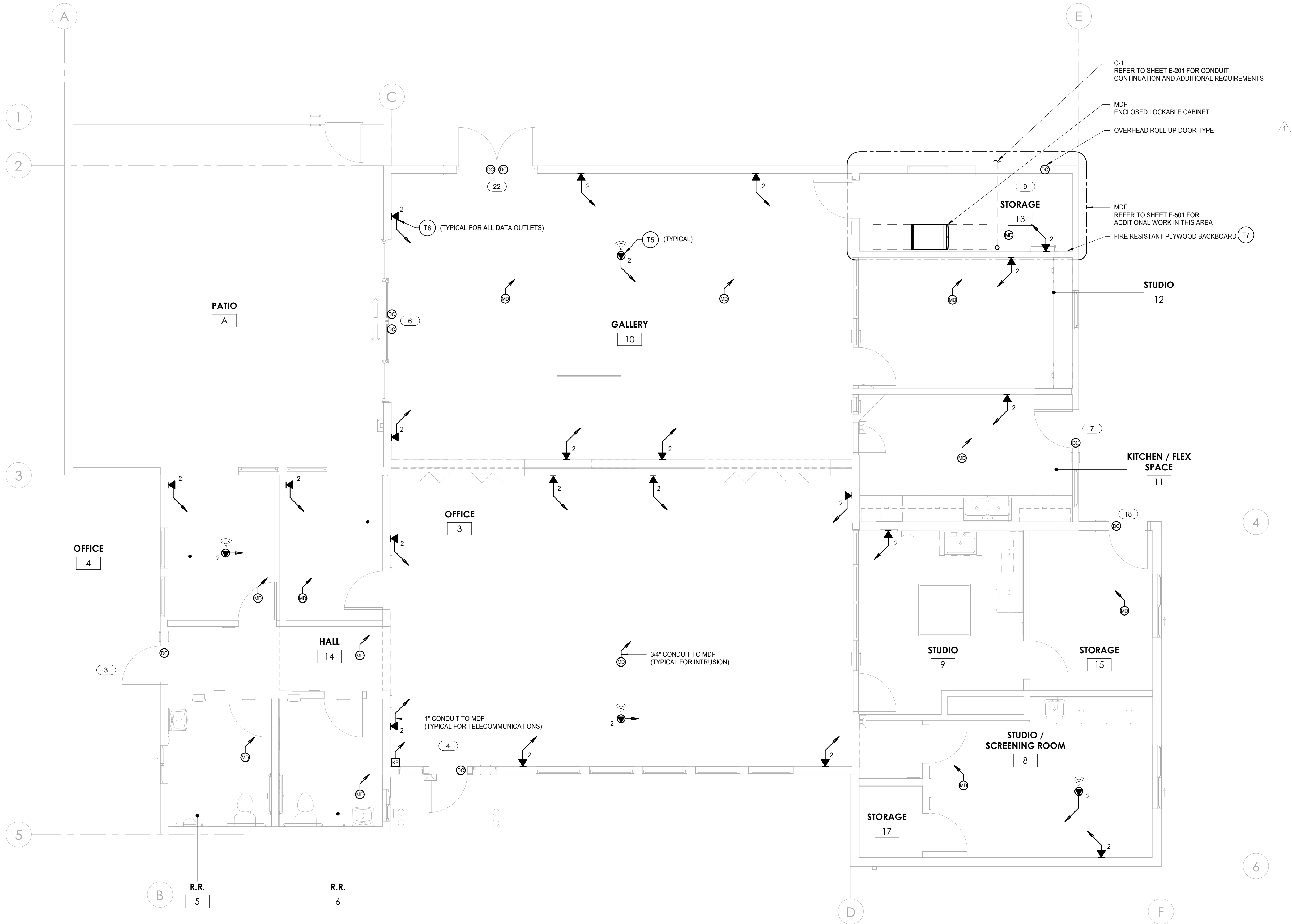
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REGISTERED PROFESSIONAL ENGINEER
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11533
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STATE OF CALIFORNIA
11/11/22

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4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104

| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE, CHULA VISTA, CA POWER FLOOR PLAN | | | |
|--|--|--------------|-----------------------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. E-203 |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | DATE: | |

| | | | | | | |
|----|----|--------------------------------------|---|--|--|---|
| 3. | 2. | REVISION BY / DATE APPD / DATE | REFERENCES DWG. NO.: CCV DWG No. 15024 | DESIGNED BY: MB DESIGNED BY: GT | SCALE HORIZONTAL: 1"=20' VERTICAL: 1"=4' | DATUM HORIZONTAL: CCS 83 ZONE 6, EPOCH 1981.35 VERTICAL: NAVD88 |
| | | | | | | |



| KEYNOTES | |
|----------|---|
| T5 | PROVIDE 1-PORT CEILING MOUNTED DATA OUTLET FLUSH MOUNTED TO HARD-LID CEILING DESIGNATED FOR WIRELESS ACCESS POINT "WAP". IN AREAS WITHOUT HARD-LID, PROVIDE 1-PORT CEILING MOUNTED DATA OUTLET MOUNTED TO STRUCTURE DESIGNATED FOR WIRELESS ACCESS POINT "WAP". |
| T6 | REFER TO 3/E-303 FOR TELECOMMUNICATIONS OUTLET LABELING DETAIL AND ADDITIONAL REQUIREMENTS. |
| T7 | REFER TO DETAIL 1/E-302 FOR ADDITIONAL REQUIREMENTS. |

TRENCH NOTE

1. PRIOR TO TRENCHING, COORDINATE EXACT LOCATION, SIZE AND EXTENT OF ALL UTILITIES AND OTHER CONDITIONS WHICH MAY AFFECT THE PROPOSED WORK UNDER THE PROJECT. TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO EXISTING WORK, INCLUDING HAND DIGGING AROUND EXISTING UTILITIES AND HARDSCAPE FEATURES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE IMMEDIATELY REPAIRED OR REPLACED IN ACCORDANCE WITH THE CLIENT'S DIRECTION AT THE CONTRACTOR'S EXPENSE. COORDINATE WITH CIVIL AND ARCHIECTETURAL DRAWINGS.

SHEET NOTES

1. REFER TO DETAIL 1/E-401 FOR TELECOMMUNICATIONS RISER DIAGRAM.

2. REFER TO DETAIL2/E-401 FOR INTRUSION SYSTEM RISER DIAGRAM.

1 TECHNOLOGY FLOOR PLAN
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8' 12'
SCALE: 1/4"=1'-0"

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|----------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |

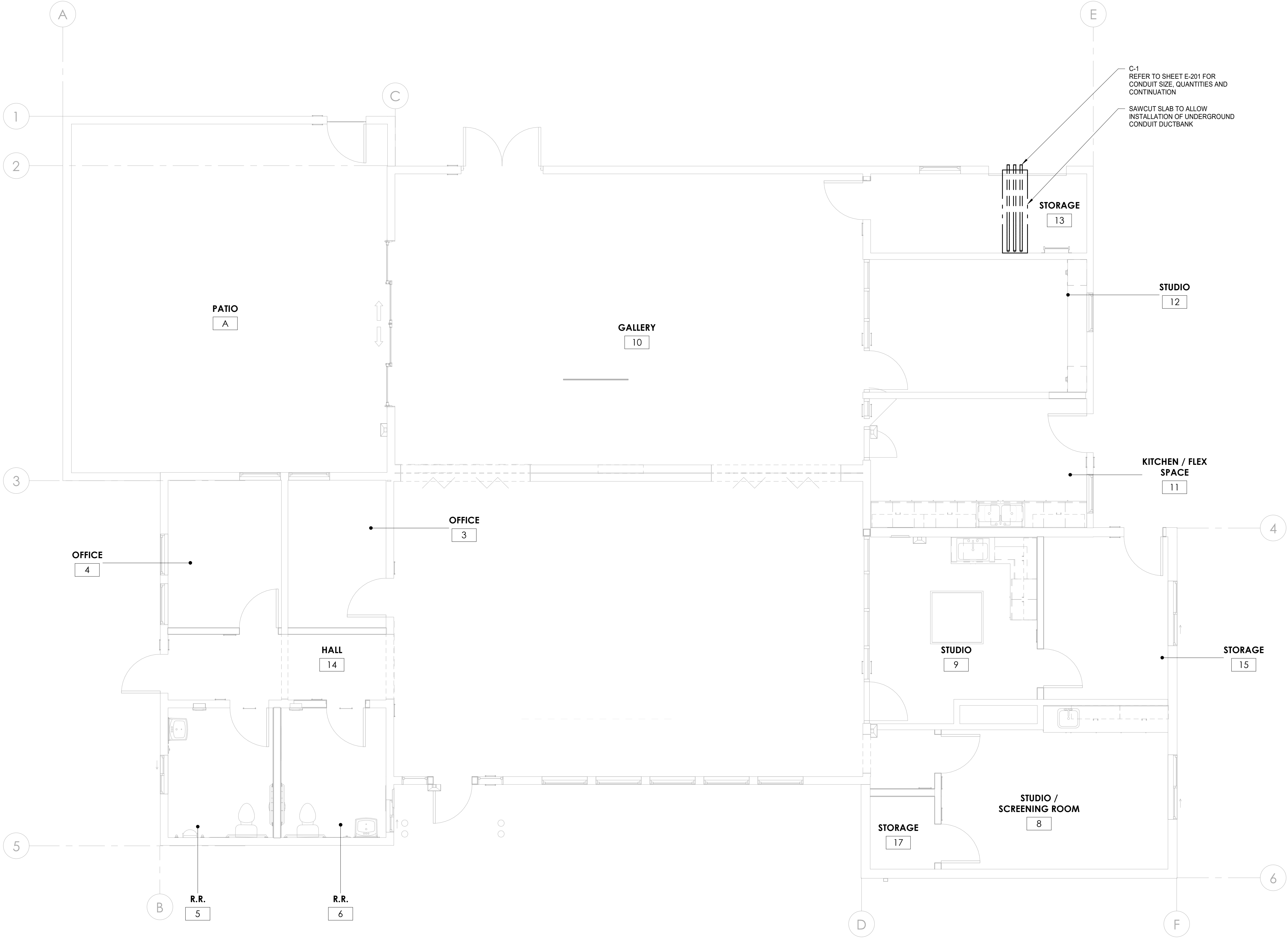
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STATE OF CALIFORNIA
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| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE, CHULA VISTA, CA TECHNOLOGY FLOOR PLAN | | | |
|---|--|--------------|-----------------------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. E-204 |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | DATE: | |

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|----|----|--------------------------------------|---|--------------------|--------------------|--|---|
| 3. | 2. | REVISION BY / DATE APPD / DATE | REFERENCES DWG. NO.: CCV DWG No. 15024 | MB DESIGNED BY: | MB DESIGNED BY: | SCALE HORIZONTAL: 1"=20' VERTICAL: 1"=4' | DATUM HORIZONTAL: CCS 83 ZONE 6, EPOCH 1981.35 VERTICAL: NAVD88 |
| | | | | | | | |



1 TECHNOLOGY PATHWAY PLAN
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8' 12'
SCALE: 1/4" = 1'-0"

KEYNOTES

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|----------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |

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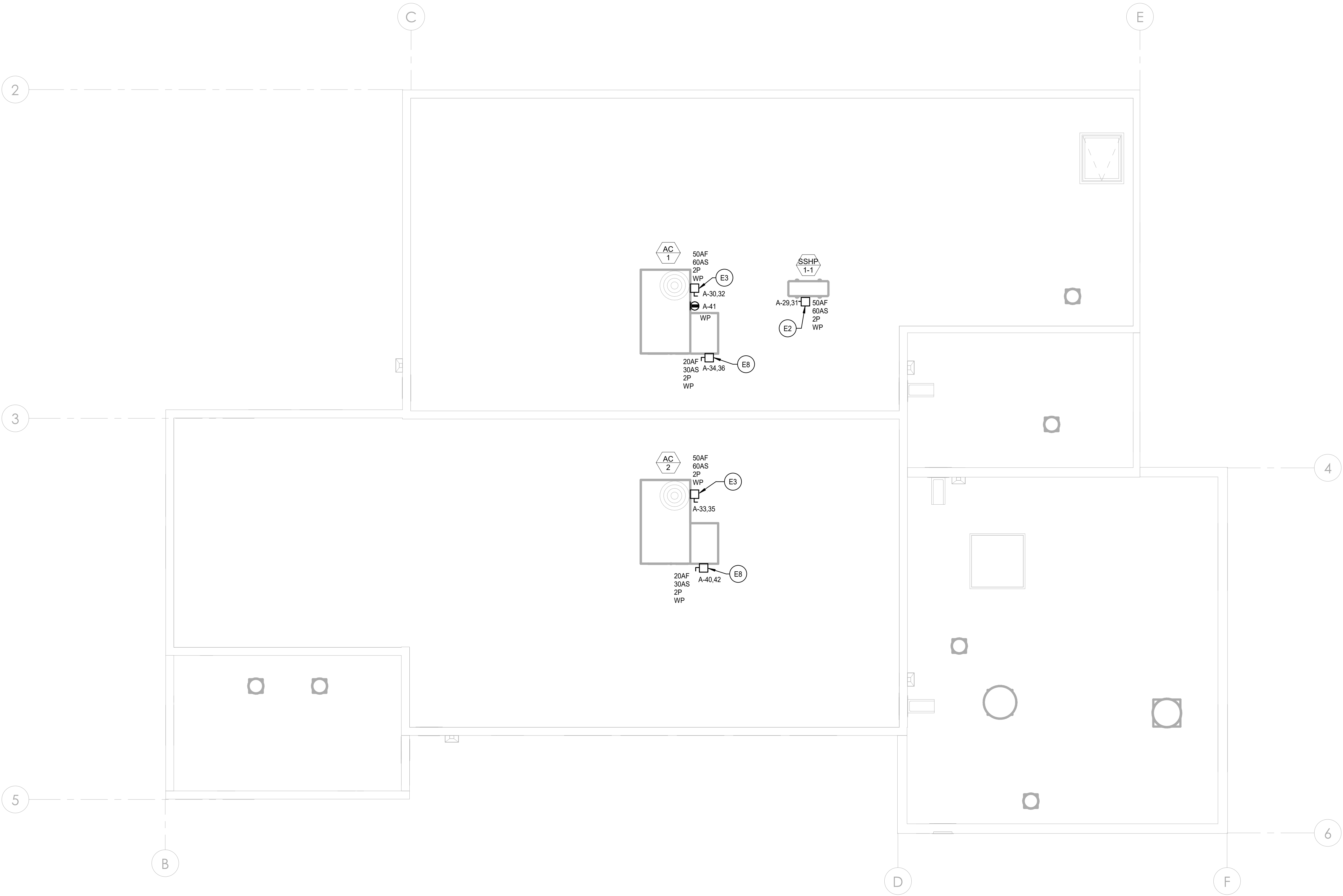
DALE M. FRANCHAK
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exp. 6/30/24
REGISTERED PROFESSIONAL ENGINEER
DALE M. FRANCHAK
STATE OF CALIFORNIA
11/11/22

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| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE, CHULA VISTA, CA TECHNOLOGY PATHWAY PLAN | | | |
|---|--|--------------|-------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | DATE: | E-205 |

| REVISION | BY / DATE | APPD / DATE | REFERENCES DWG. NO.: | DESIGNED BY: | SCALE | DATUM |
|----------|-----------|-------------|----------------------|--------------|---------------------------------------|---|
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| 3. | | | CCV DWG No. 15024 | MB | HORIZONTAL: 1"=20' VERTICAL: 1"=4' | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 VERTICAL: NAVD88 |



| KEYNOTES | |
|----------|--|
| E2 | PROVIDE POWER FOR SSHP. PROVIDE 1"-3#6+1#10 EG BACK TO PANEL. FIELD VERIFY EXACT LOCATION. |
| E3 | PROVIDE POWER FOR ROOFTOP PACKAGE UNIT. PROVIDE 1"-3#6+1#10 EG BACK TO PANEL. LABEL DISCONNECT SWITCH 1 OF 2. FIELD COORDINATE EXACT LOCATION AND POINT OF CONNECTION. |
| E8 | PROVIDE POWER FOR POWER EXHAUST. LABEL DISCONNECT 2 OF 2. FIELD COORDINATE EXACT LOCATION AND POINT OF CONNECTION. |

1 ELECTRICAL ROOF PLAN

SCALE: 1/4" = 1'-0"

0

1'

2'


4'


8'

12'

SCALE: 1/4"=1'-0"


| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|----------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |

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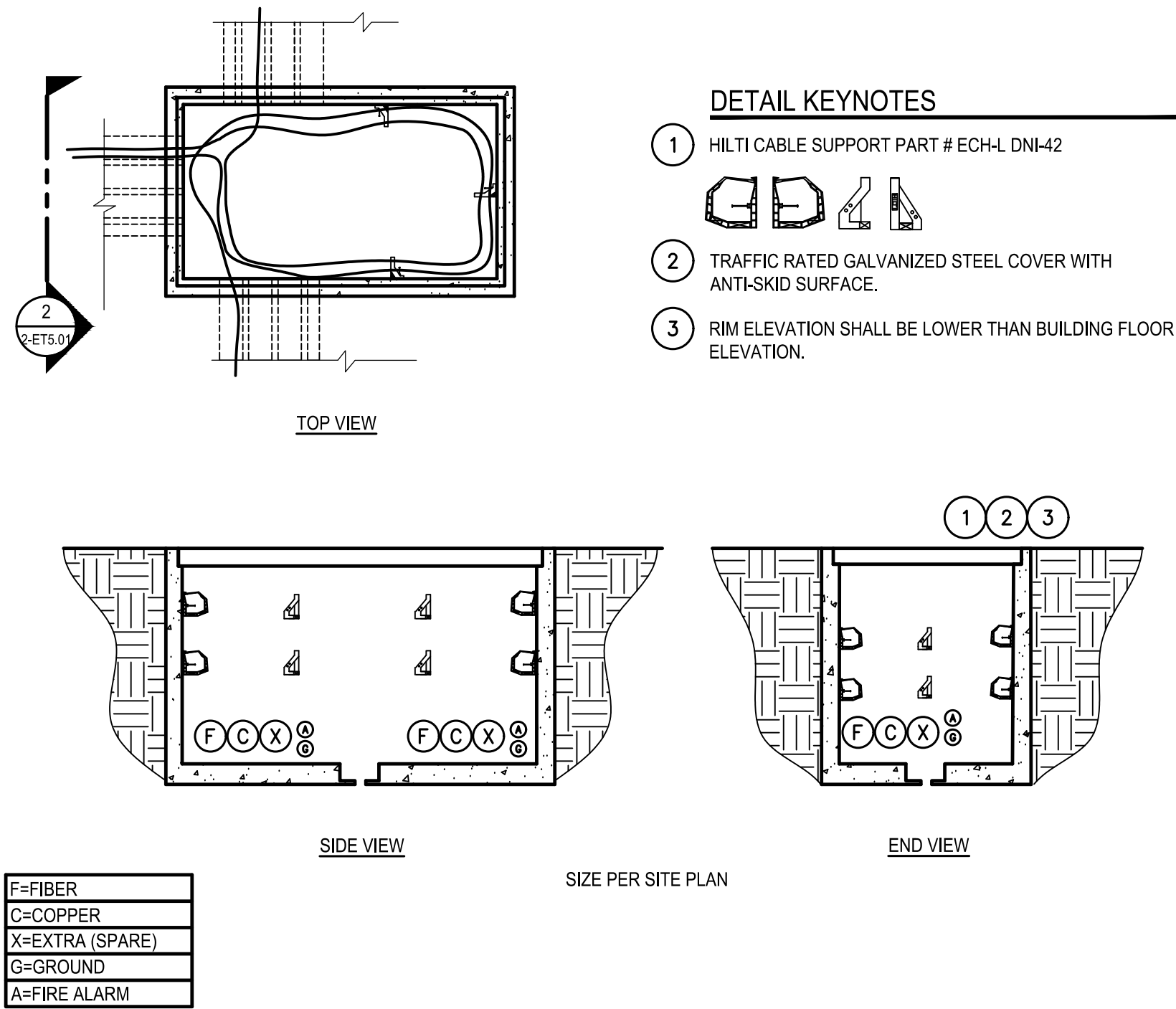
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SAN DIEGO, CALIFORNIA
92104



| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA ELECTRICAL ROOF PLAN | | | |
|--|--|--|--|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | |  <div>CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTACA.GOV</div> | CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTACA.GOV |
| | | | DRAWING NO. E-206 |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | APPROVED BY: | |

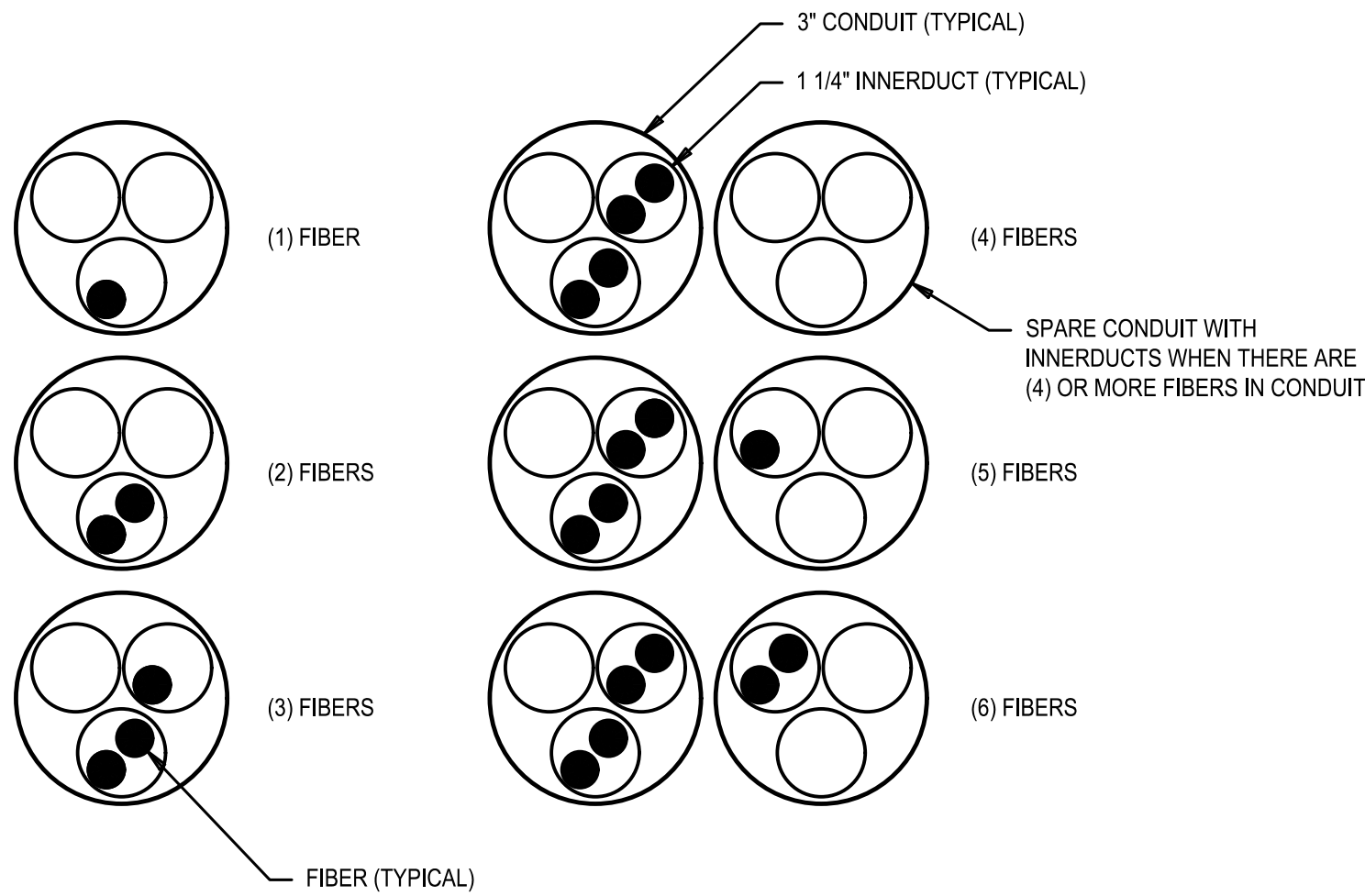
C:\KRAUT\12/22/22\22 - 3:22PM - J:\12/13/13 1035.ED1 - CITY OF CHULA VISTA SOUTH BAY YNCA TENANT IMPROVEMENTS 3 1035.ED1 TAGADPHU\3 1035.ED1 E-301 TECHNOLOGY DETAILS - PATHWAYS.dwg

| | | | |
|---|---|---|---|
| 3. | 2. | 1. | REVISION BY / DATE APPD / DATE |
| REFERENCES DWG. NO.: CCV DWG No. 15024 | | | |
| DESIGNED BY: | DESIGNED BY: | DESIGNED BY: | DESIGNED BY: |
| IMB | IMB | IMB | IMB |
| GT | GT | GT | GT |
| DATUM | DATUM | DATUM | DATUM |
| HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 |
| VERTICAL: NAVD83 | VERTICAL: NAVD83 | VERTICAL: NAVD83 | VERTICAL: NAVD83 |
| SCALE | SCALE | SCALE | SCALE |
| HORIZONTAL: 1"=20' | HORIZONTAL: 1"=20' | HORIZONTAL: 1"=20' | HORIZONTAL: 1"=20' |
| VERTICAL: 1"=4' | VERTICAL: 1"=4' | VERTICAL: 1"=4' | VERTICAL: 1"=4' |



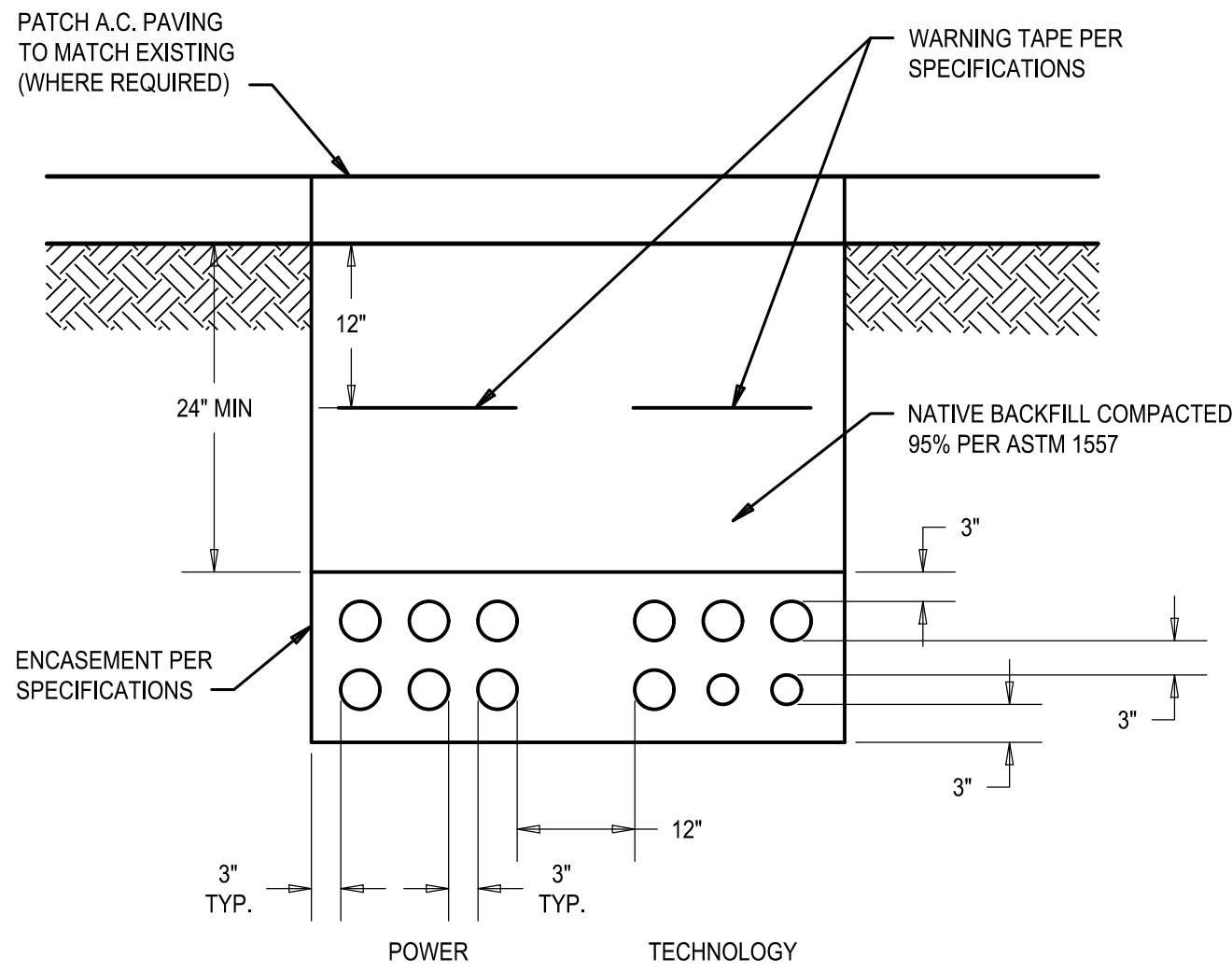
COMMUNICATIONS MAINTENANCE HOLE DETAIL
NO SCALE

1
E-301



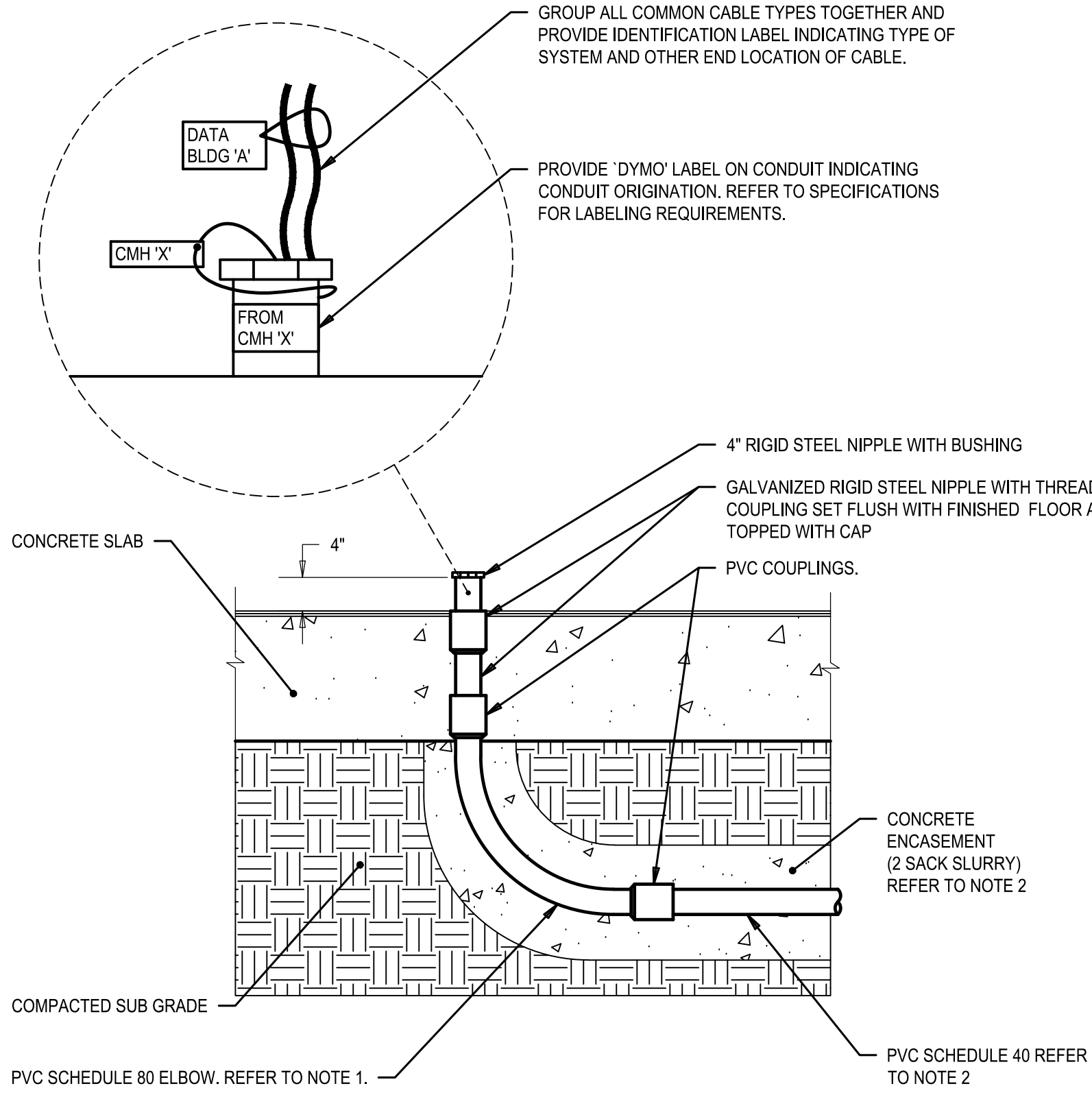
FIBER DISTRIBUTION IN INNERDUCTS
NO SCALE

4
E-301



TYPICAL UNDERGROUND CONDUIT DUCTBANK SECTION
NO SCALE

2
E-301



BELOW GRADE COMMUNICATIONS CONDUIT DETAIL
NO SCALE

3
E-301

| | | | |
|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | AS-BUILT | | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |

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C. KRAUT 12/22/22 - 3:22PM

11/11/22

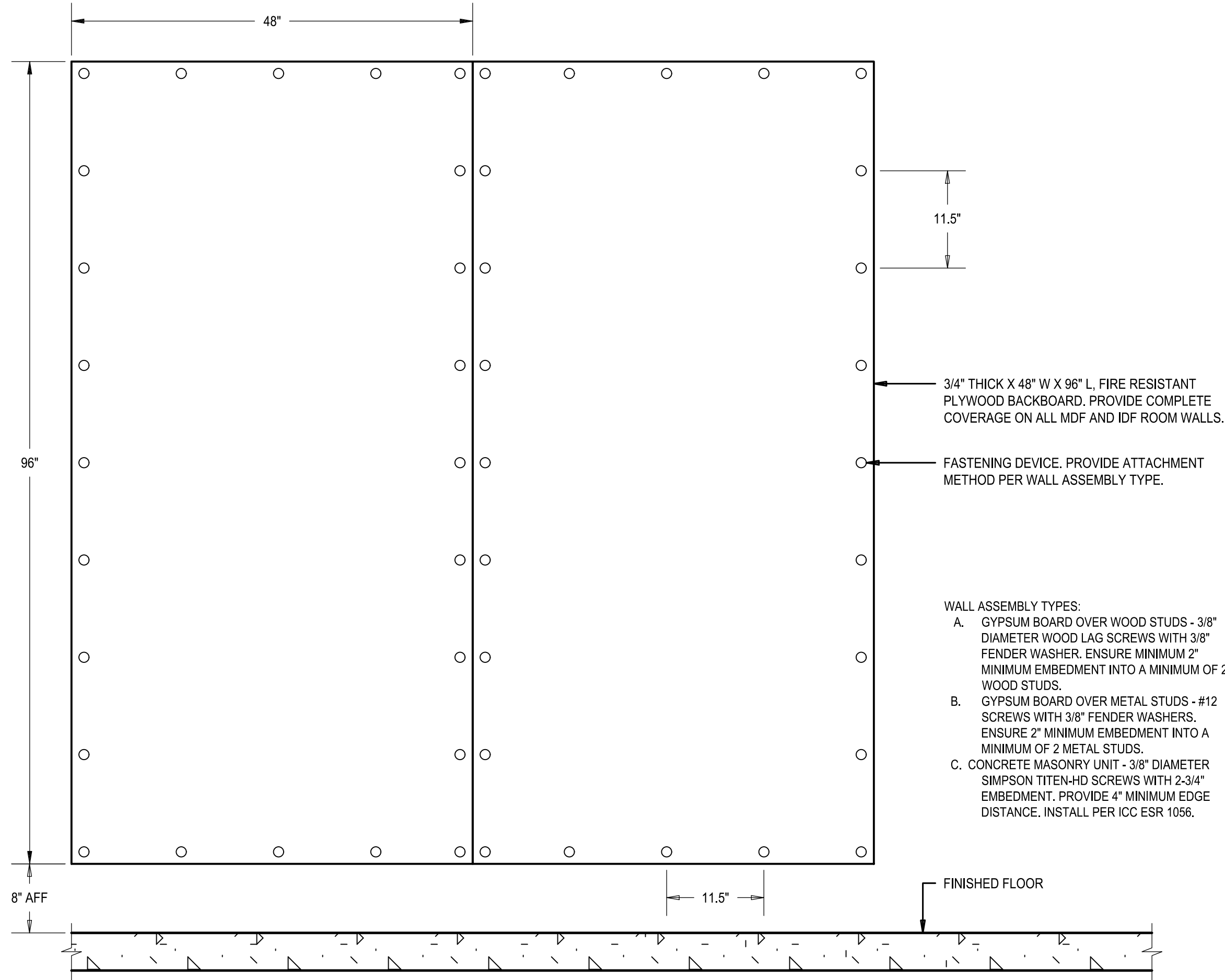
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92104

| | | | |
|---|--|--------------|-----------------------------|
| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA TECHNOLOGY DETAILS - PATHWAYS | | | |
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. E-301 |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | DATE: | |

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| REFERENCES DWG. NO.: | | DESIGNED BY: | | SCALE | | DATUM | |
|----------------------|--|--------------|--|---------------------------------------|--|---|--|
| CCV DWG No. 15024 | | MB MB | | HORIZONTAL: 1"=20' VERTICAL: 1"=4' | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.05 VERTICAL: NAVD88 | |
| REVISION | | BY / DATE | | 1. | | 3. | |
| APPD / DATE | | | | 2. | | | |

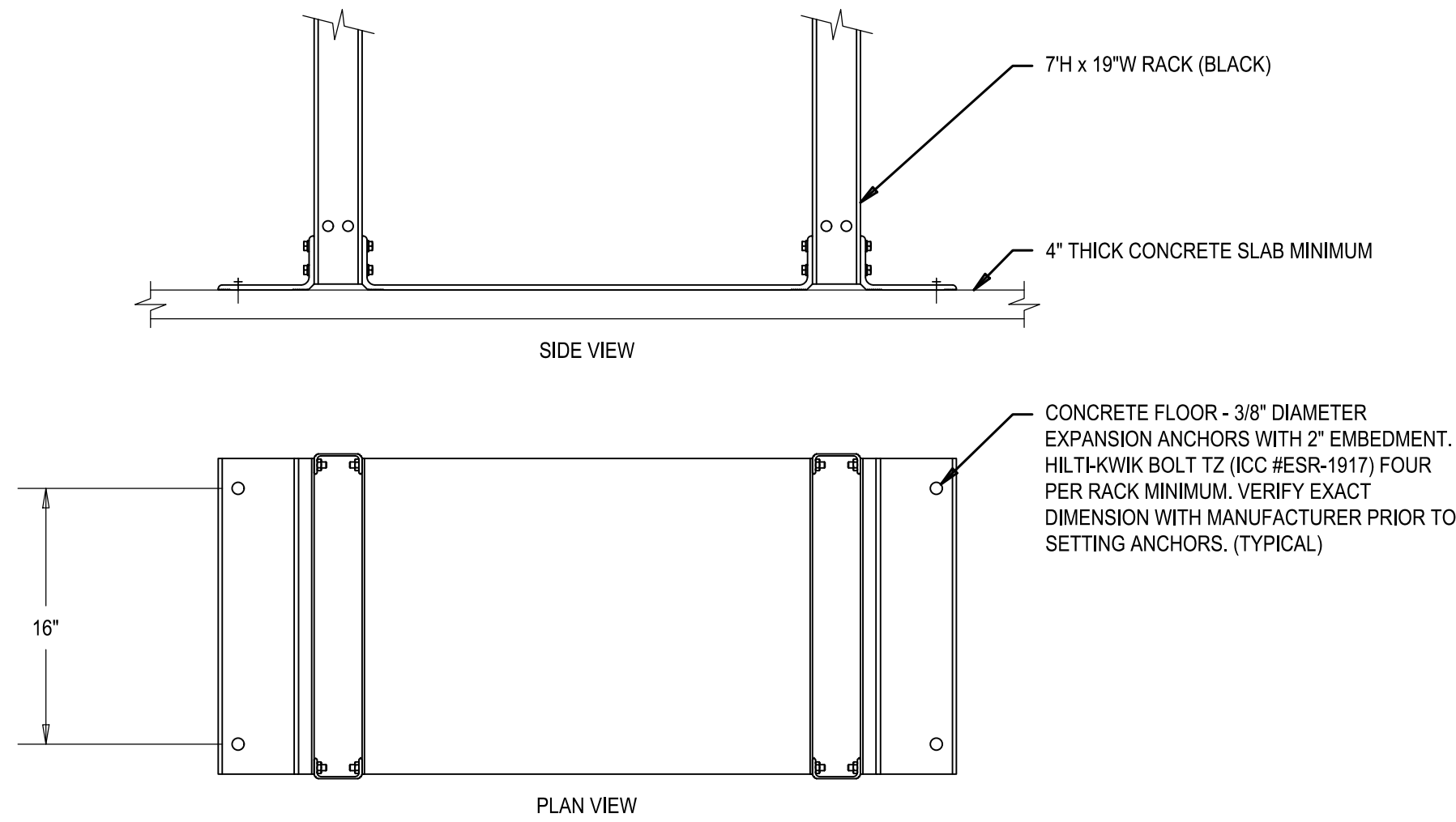


BACKBOARD INSTALLATION DETAIL

NO SCALE

1

E-302



FOUR-POST RACK ANCHOR DETAIL

NO SCALE

2

E-302

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|------------|-------------|
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| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |

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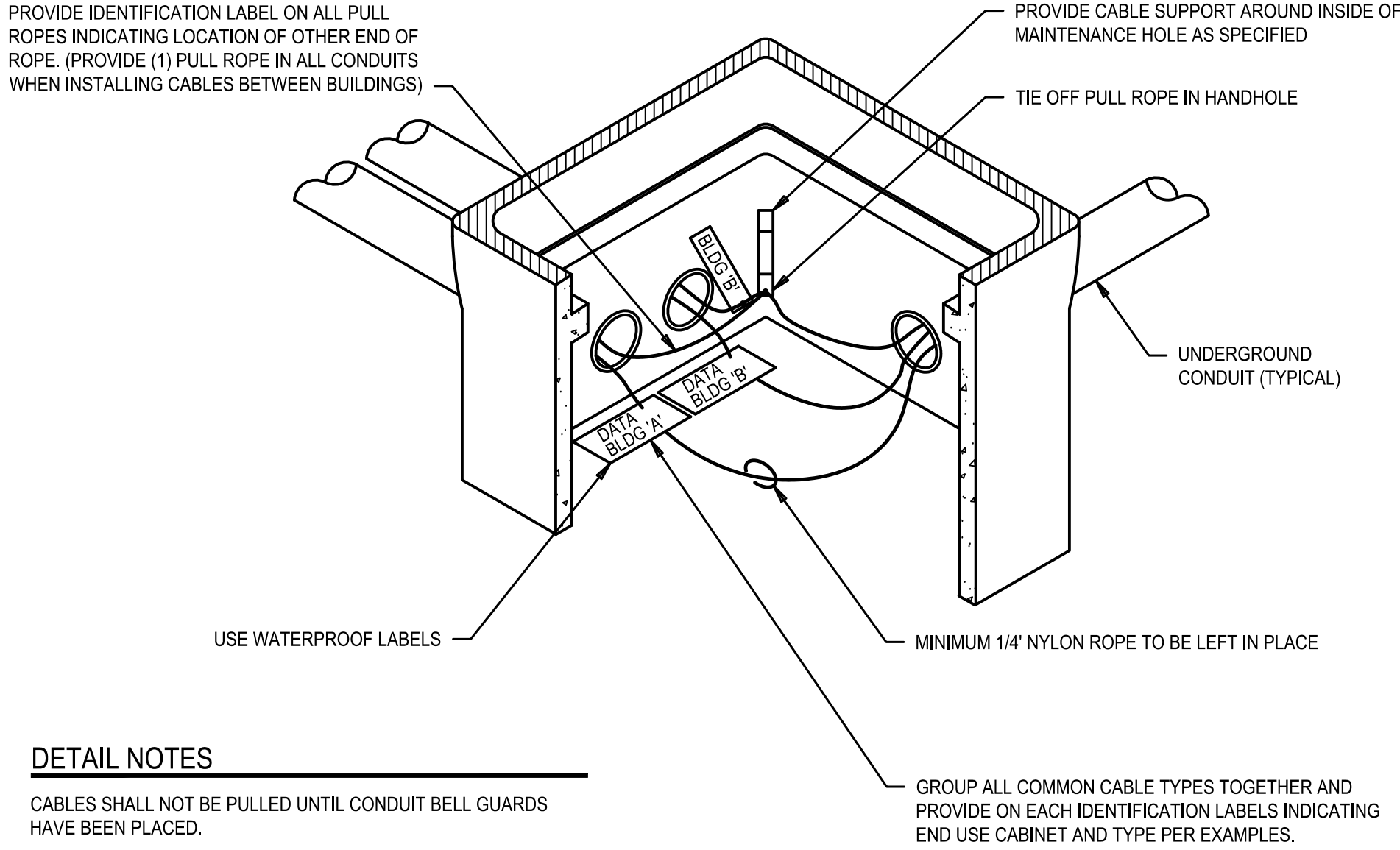
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92104

| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA TECHNOLOGY DETAILS - SUPPORT | | | |
|--|--|--------------|----------------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. E-302 |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | DATE: | |

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| | | | | | | | | | | | | | | | |
|------|-------|-------|---|------------------|--------------|----|--------------|----|----|----------------------|-------------------|----------|-------------|----|----|
| DATE | SCALE | DATUM | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | VERTICAL: NAVD83 | DESIGNED BY: | MB | DESIGNED BY: | MB | GT | REFERENCES DWG. NO.: | CCV DWG No. 15024 | REVISION | 1. | 2. | 3. |
| DATE | SCALE | DATUM | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | VERTICAL: NAVD83 | DESIGNED BY: | MB | DESIGNED BY: | MB | GT | REFERENCES DWG. NO.: | CCV DWG No. 15024 | REVISION | BY / DATE | | |
| DATE | SCALE | DATUM | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | VERTICAL: NAVD83 | DESIGNED BY: | MB | DESIGNED BY: | MB | GT | REFERENCES DWG. NO.: | CCV DWG No. 15024 | REVISION | APPD / DATE | | |



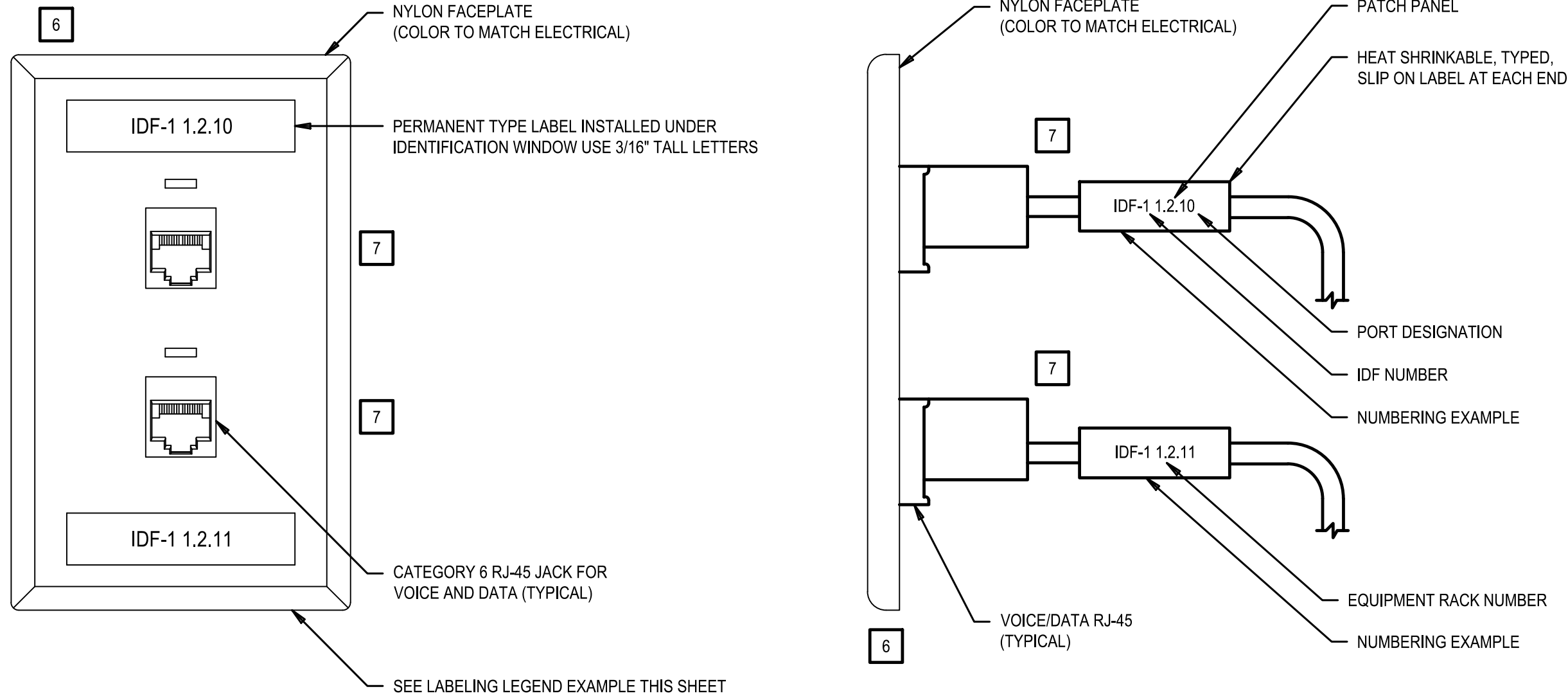
DETAIL NOTES

- CABLES SHALL NOT BE PULLED UNTIL CONDUIT BELL GUARDS HAVE BEEN PLACED.
- PROVIDE SERVICE LOOP AROUND ENTIRE PERIMETER OF MAINTENANCE HOLE. (NOT SHOWN FOR CLARITY)
- HAND WRITTEN LABELS ARE NOT PERMITTED.

CMH LABELING DETAILS

NO SCALE

1
E-303



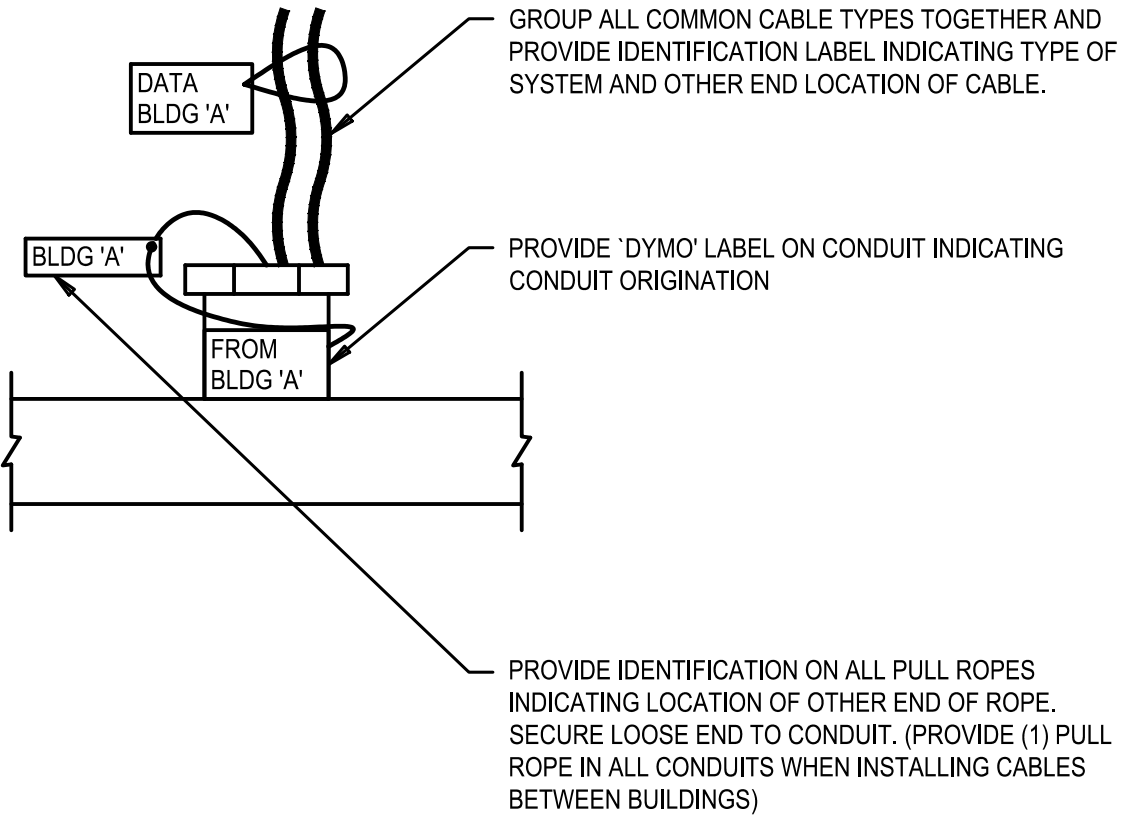
DETAIL NOTE

- TELECOMMUNICATIONS SYSTEMS FACEPLATES, DATA JACKS, AUDIO/VISUAL FACEPLATES AND SNAP IN MULTI-MEDIA INSERTS SHALL BE FROM THE SAME MANUFACTURER. COORDINATE WITH AUDIO/VISUAL CONTRACTOR. REFER TO 2/ET-504. (FACEPLATE COLOR SHALL MATCH ELECTRICAL)
- CATEGORY 6 TELECOMMUNICATIONS CABLING SHALL BE TERMINATED TO EACH ROOM'S TELECOMMUNICATIONS OUTLETS SEQUENTIALLY IN NUMERICAL ORDER PER THE ROOM NUMBER SEQUENCE SHOWN ON THE TELECOMMUNICATIONS RISER DIAGRAMS.

TELECOMMUNICATIONS LABELING DETAIL

NO SCALE

3
E-303



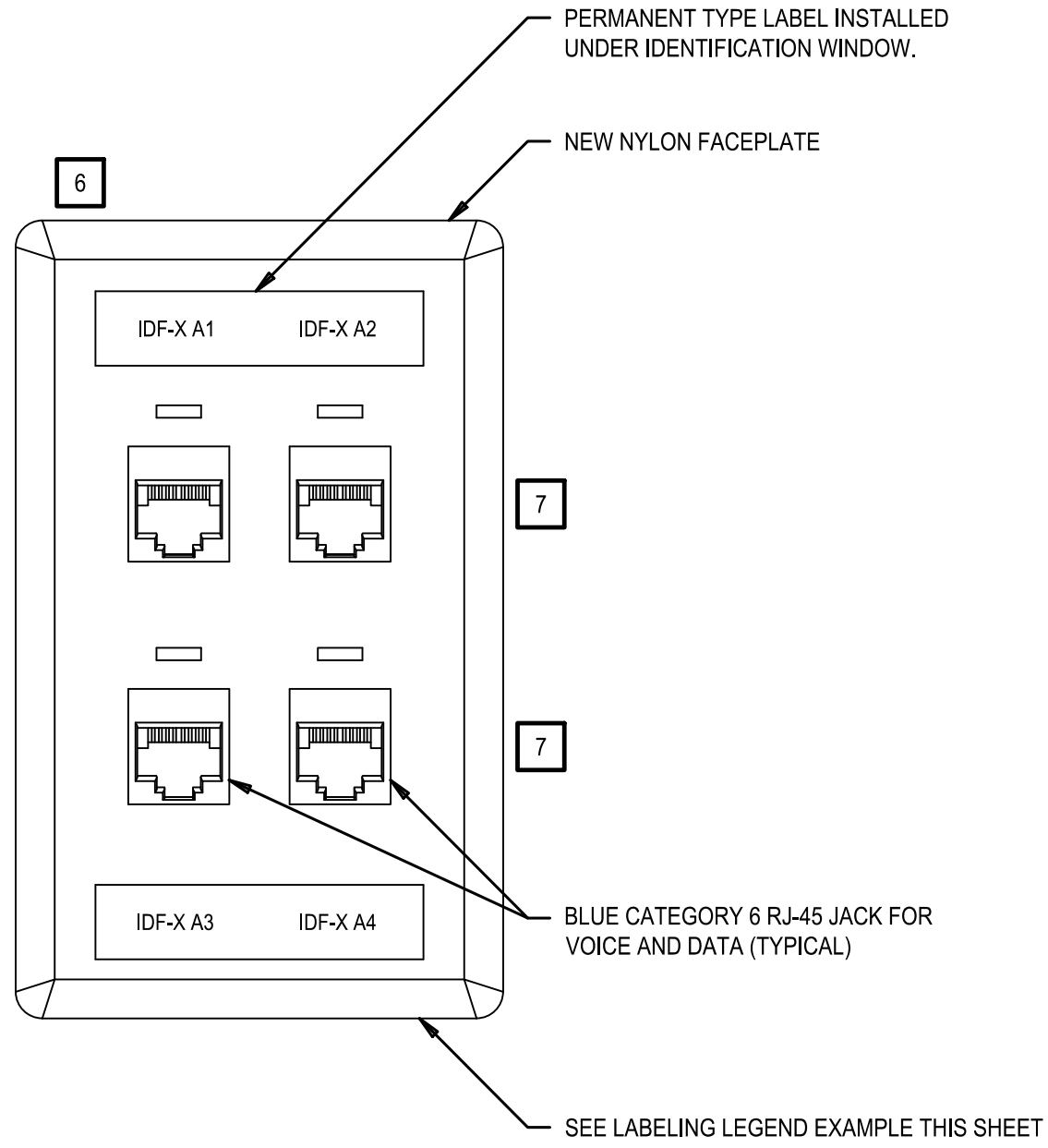
DETAIL NOTES

- THIS DETAIL APPLIES TO ALL CONDUITS ENTERING BUILDINGS.
- HAND WRITTEN LABELS ARE NOT PERMITTED.

COMMUNICATIONS CABLE LABELING DETAIL

NO SCALE

2
E-303





VOICE/DATA FACEPLATE DETAIL

NO SCALE

4
E-303

| | | | |
|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | AS-BUILT | | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |

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TREI # 21035.S01
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Architects, Inc.
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SAN DIEGO, CALIFORNIA
92104



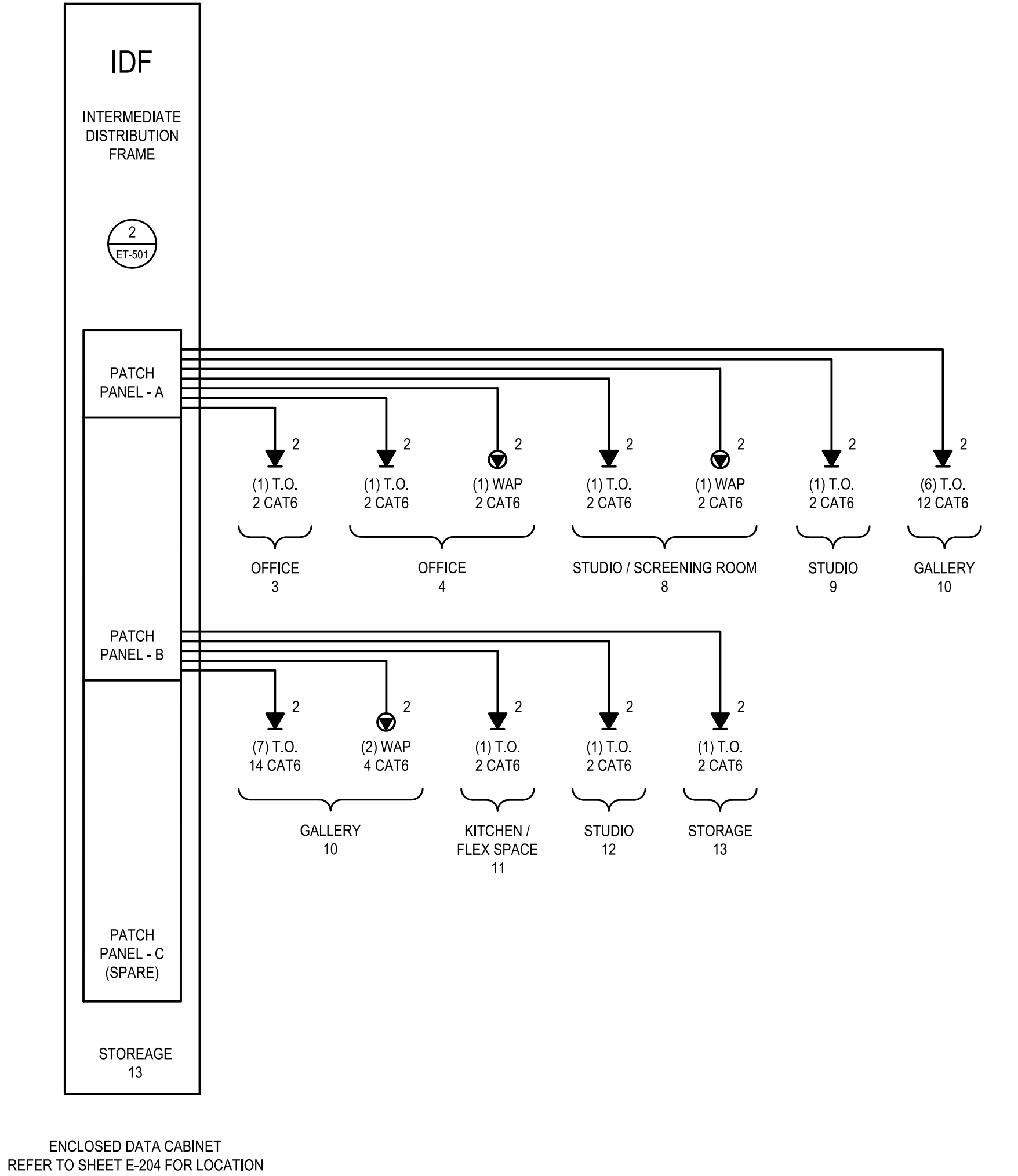
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|---|--|--------------|-----------------------------|
| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA TECHNOLOGY DETAILS - LABELING | | | |
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. E-303 |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | DATE: | |

C:\KRAFT\12\22\222 - 3:32PM, 4/13/13 10:35:50.1 - CITY OF CHULA VISTA, SOUTH BAY, YNEDA, TENANT IMPROVEMENTS, 3 10:35:50.1 E:\ASAP\DWG\3 10:35:50.1 E:\400 SINGLE LINE DIAGRAM.DWG

| | | | | | | | |
|----------------------|--|--------------|--|--------------------|--|---|--|
| REFERENCES DWG. NO.: | | DESIGNED BY: | | SCALE | | DATUM | |
| CCV DWG No. 15024 | | MB | | HORIZONTAL: 1"=20' | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | |
| | | MB | | VERTICAL: 1"=4' | | VERTICAL: NAVD88 | |
| | | GT | | | | | |
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| | | | | | | | | | |
|---|--|---|--|---|--|---|--|---|--|
| DESIGNED BY: | | DESIGNED BY: | | DESIGNED BY: | | DESIGNED BY: | | DESIGNED BY: | |
| IMB | | IMB | | IMB | | IMB | | IMB | |
| GT | | GT | | GT | | GT | | GT | |
| DATE | | DATE | | DATE | | DATE | | DATE | |
| HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | |
| VERTICAL: NAVD83 | | VERTICAL: NAVD83 | | VERTICAL: NAVD83 | | VERTICAL: NAVD83 | | VERTICAL: NAVD83 | |
| SCALE | | SCALE | | SCALE | | SCALE | | SCALE | |
| HORIZONTAL: 1"=20' | | HORIZONTAL: 1"=20' | | HORIZONTAL: 1"=20' | | HORIZONTAL: 1"=20' | | HORIZONTAL: 1"=20' | |
| VERTICAL: 1"=4' | | VERTICAL: 1"=4' | | VERTICAL: 1"=4' | | VERTICAL: 1"=4' | | VERTICAL: 1"=4' | |
| REFERENCES DWG. NO.: | | REFERENCES DWG. NO.: | | REFERENCES DWG. NO.: | | REFERENCES DWG. NO.: | | REFERENCES DWG. NO.: | |
| CCV DWG No. 15024 | | CCV DWG No. 15024 | | CCV DWG No. 15024 | | CCV DWG No. 15024 | | CCV DWG No. 15024 | |
| REVISION | | REVISION | | REVISION | | REVISION | | REVISION | |
| BY / DATE | | BY / DATE | | BY / DATE | | BY / DATE | | BY / DATE | |
| APPD / DATE | | APPD / DATE | | APPD / DATE | | APPD / DATE | | APPD / DATE | |
| 1. | | 1. | | 1. | | 1. | | 1. | |
| 2. | | 2. | | 2. | | 2. | | 2. | |
| 3. | | 3. | | 3. | | 3. | | 3. | |




TELECOMMUNICATIONS SYSTEM RISER DIAGRAM


NO SCALE

1
E-401

| | | | |
|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |



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92104



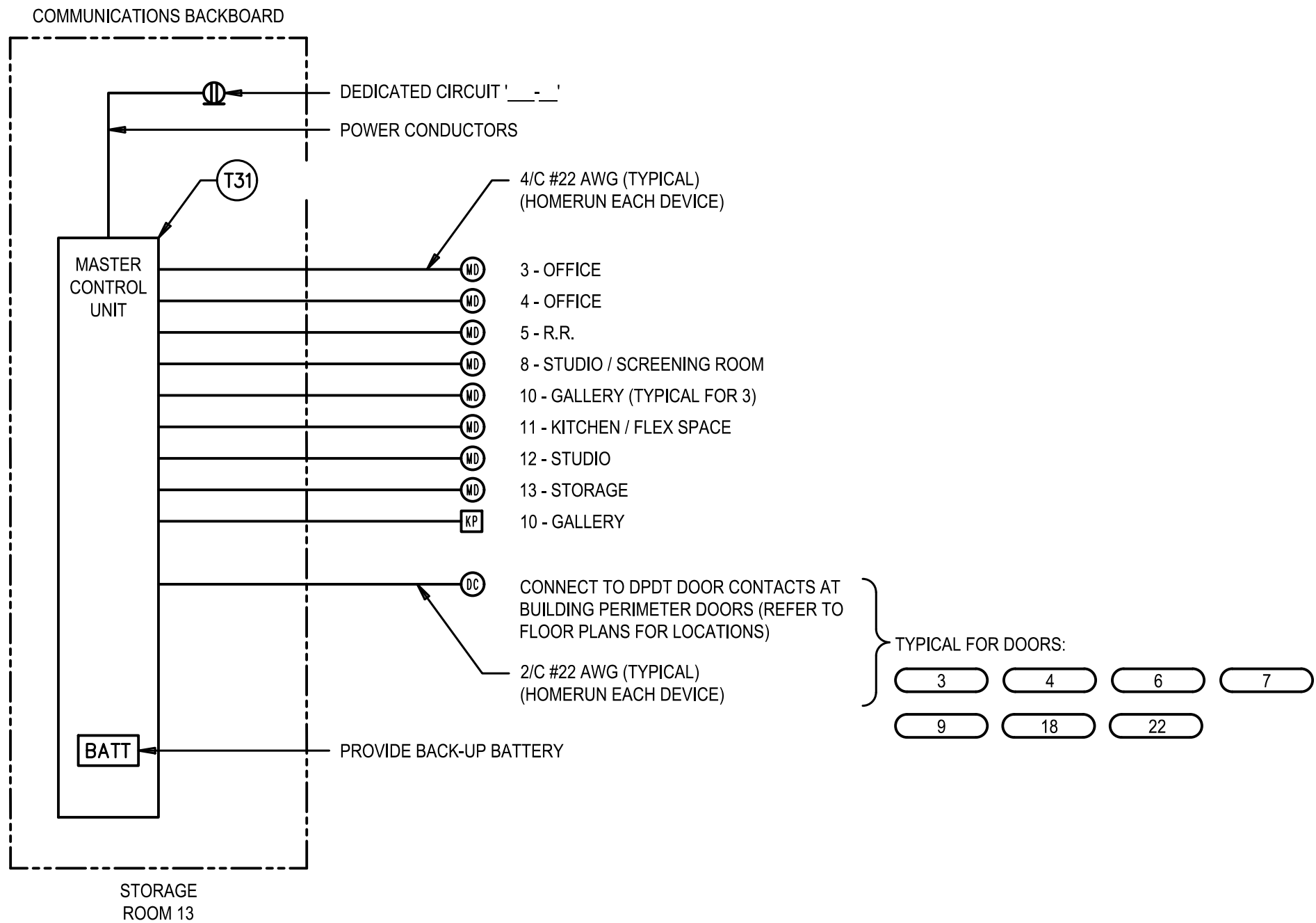
| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA TECHNOLOGY SYSTEM RISER DIAGRAMS | | | |
|--|--|--------------|-------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | DATE: | E-401 |

C:\KRAUT\12\22\222 - 3:22PM 4/13/13 1035.S01 - CITY OF CHULA VISTA SOUTH BAY YNCA TENANT IMPROVEMENTS 1035.S01 TAGADPHW131035.S01 E-402 INTRUSION DETECTION SYSTEM RISER DIAGRAM.DWG

| | | | | | | | |
|---|--|--|--|-------------|----|----|----|
| DESIGNED BY: MB | | REFERENCES DWG. NO.: CCY DWG No. 15024 | | REVISION | 1. | 2. | 3. |
| DESIGNED BY: GT | | | | BY / DATE | | | |
| | | | | APPD / DATE | | | |
| SCALE | | | | | | | |
| HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | HORIZONTAL: 1"=20' | | | | | |
| VERTICAL: NAVD83 | | VERTICAL: 1"=4' | | | | | |

INTRUSION DETECTION SYSTEM RISER DIAGRAM

NO SCALE



DETAIL NOTES


1. INTERIOR INTRUSION CABLING NOT WITHIN SURFACE RACEWAY OR CONDUIT SHALL BE COMMUNICATIONS PLENUM CABLE "CMP" RATED.
2. REFER TO FLOOR PLANS FOR EXACT ROUTING, CONDUIT SIZES AND LOCATIONS.
3. THE CONTRACTOR'S SHALL COORDINATE EXACT PLACEMENT OF 'MD' DEVICES USED FOR OPTIMAL DETECTION.
4. IF INTRUSION LOOP TO EXISTING DEVICES IS DISCONNECTED, CONTRACTOR SHALL RE-ESTABLISH CONNECTIVITY TO BUILDING'S SOURCE INTRUSION CONNECTION.
5. COORDINATE CONNECTION TO DOUBLE POLE, DOUBLE THROW "DPDT" DOOR CONTACT WITH ACCESS CONTROL CONTRACTOR.

KEYNOTE


- (T31) PROVIDE TERMINATIONS, CROSS-CONNECTS AND PUNCH BLOCKS REQUIRED AT INTRUSION SYSTEM TERMINAL CABINETS WITHIN EACH INTERMEDIATE DISTRIBUTION FRAME ROOM TO ENSURE A FULLY FUNCTIONING CAMPUS WIDE INTRUSION SYSTEM.

1
E-402

| | | | |
|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |



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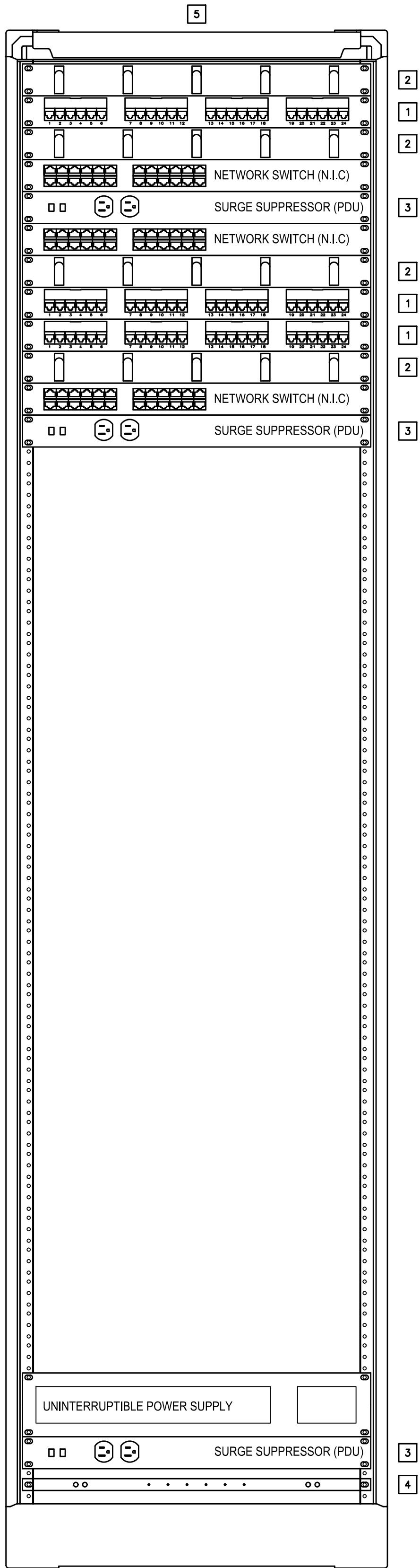
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|--|--|--------------|----------------------|
| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA INTRUSION DETECTION SYSTEM RISER DIAGRAM | | | |
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. E-402 |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | DATE: | |

C:\KRAUT\12\22\2022 - 3:32PM - J:\12\13\1035\501 - CITY OF CHULA VISTA SOUTH BAY NYEDA TENANT IMPROVEMENTS\1035\501\TACAD\PM\1035\501 E-501 MPOE/MDF ELEVATIONS AND ENLARGED PLAN.dwg

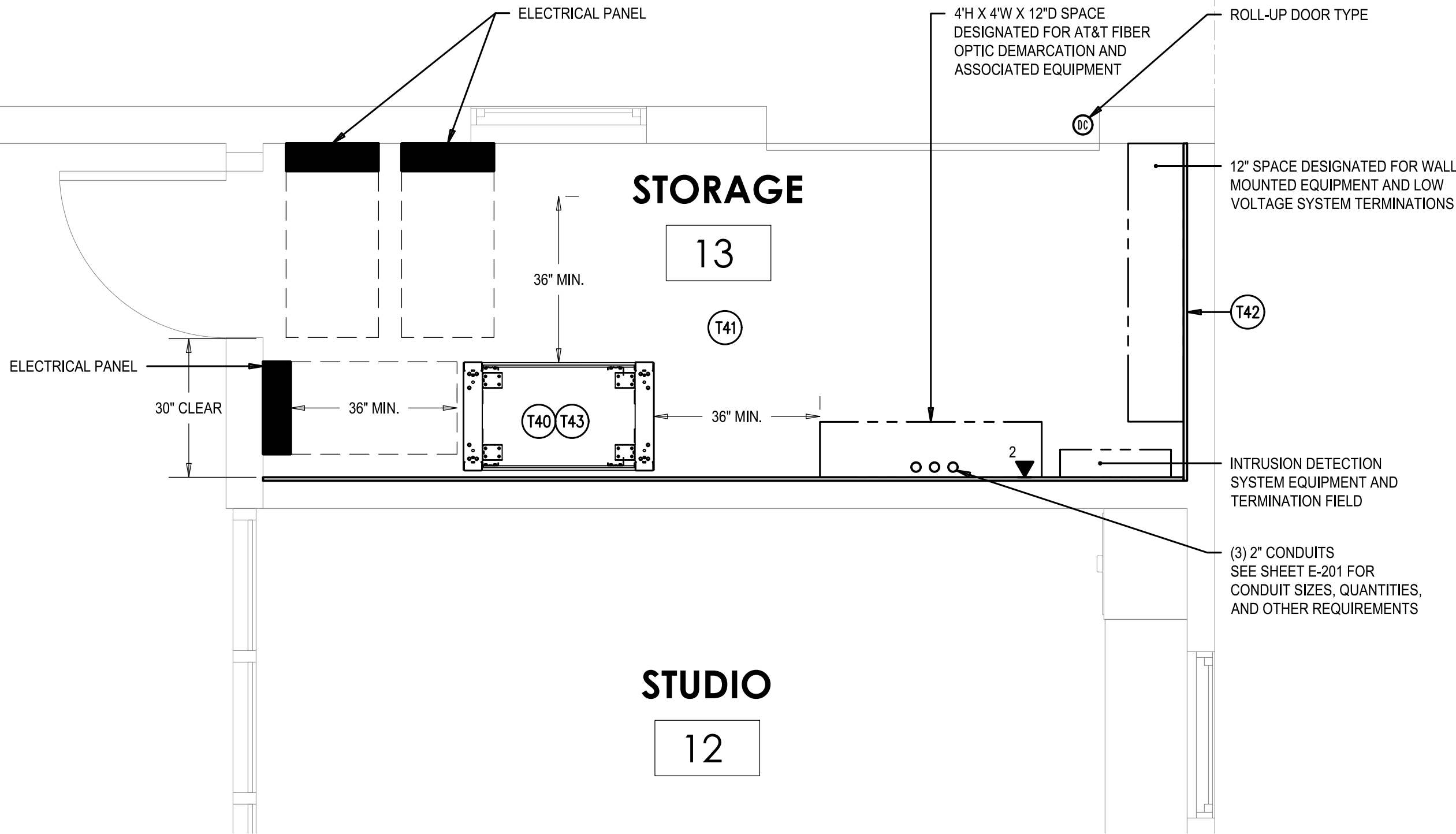
| REVISION | | 1. | 2. | 3. | | |
|---|--|----|----|----|--|--|
| BY / DATE | | | | | | |
| APPD / DATE | | | | | | |
| REFERENCES DWG. NO.: | | | | | | |
| CCV DWG No. 15024 | | | | | | |
| DESIGNED BY: | | MB | | | | |
| | | MB | | | | |
| DESIGNED BY: | | GT | | | | |
| DATUM | | | | | | |
| SCALE | | | | | | |
| HORIZONTAL: 1"=20' | | | | | | |
| VERTICAL: 1"=4' | | | | | | |
| HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | | | | | |
| VERTICAL: NAVD88 | | | | | | |

ENLARGED PLAN

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



2



ENLARGED PLAN

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

2

E-501

KEYNOTES


- (T40) PROVIDE A MINIMUM 36" CLEARANCE IN FRONT, AT REAR BEHIND DATA RACK MOUNTED EQUIPMENT AND ONE SIDE OF IDF RACK(S)
- (T41) REFER TO ARCHITECTURAL PLANS FOR ARCHITECTURAL WORK IN THIS AREA.
- (T42) PROVIDE 3/4" THICK X 48" W X 96" L, FIRE RESISTANT PLYWOOD BACKBOARD 8" AFF TO CEILING ON WALLS SHOWN. REFER TO 1/E-302 FOR DETAILS AND ANCHORING REQUIREMENTS.
- (T43) REFER TO DETAIL 2/E-302 FOR MOUNTING REQUIREMENTS.

SHEET NOTES


- REFER TO FLOOR PLANS AND RISER DIAGRAMS FOR ADDITIONAL REQUIREMENTS.
- REFER TO SHEET ET-003 AND ET-004 FOR MATERIAL LIST, SYMBOL, LEGEND, ABBREVIATIONS, GENERAL NOTES, MINIMUM CONDUIT SIZES, AND ADDITIONAL REQUIREMENTS

CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA MPOE/MDF ELEVATIONS AND ENLARGED PLAN

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |



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92104



| | | | |
|---|--------------|-------|-----------------------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | APPROVED BY: | DATE: | DRAWING NO. E-501 |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | | |

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| | | | | | | |
|--------------|---------------------------------------|--|---|----|----|----|
| DESIGNED BY: | DESIGNED BY: | DESIGNED BY: | REFERENCES DWG. NO.: CCV DWG No. 15024 | 1. | 2. | 3. |
| | MB | MB | | | | |
| SCALE | HORIZONTAL: 1"=20' VERTICAL: 1"=4' | DATUM HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 VERTICAL: NAVD83 | | | | |

| | | | |
|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name: Chgula Vista Artist Space

Report Page: (Page 1 of 8)

Project Address: 50 N 4th Ave

Date Prepared: 7/6/2022

A. GENERAL INFORMATION

01 Project Location (city) Chula Vista

04 Total Conditioned Floor Area (ft²) 0

02 Climate Zone 7

05 Total Unconditioned Floor Area (ft²) 284

03 Occupancy Types Within Project (select all that apply):

06 # of Stories (Habitable Above Grade) 1

☑ Office

☐ Retail

☑ Warehouse

☐ Hotel/Motel

☐ School

☑ Support Areas

☐ Parking Garage

☐ High-Rise Residential

☐ Relocatable

☐ Healthcare

☐ Other (Write in)

See Table I

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations.

Scope of Work

Conditioned Spaces

Unconditioned Spaces

01

02

03

04

05

My Project Consists of (check all that apply):

Calculation Method

Area (ft²)

Calculation Method

Area (ft²)

☐ New Lighting System

☐ New Lighting System - Parking Garage

☑ Altered Lighting System

Area Category Method

0

Area Category Method

284

Total Area of Work (ft²)

0

284

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003
Schema Version: rev 20200601

Report Generated: 2022-07-06 17:29:09

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: Chgula Vista Artist Space

Report Page: (Page 3 of 8)

Project Address: 50 N 4th Ave

Date Prepared: 7/6/2022

F. INDOOR LIGHTING FIXTURE SCHEDULE

Type D

Type D LED Strip

No

No

35

Mfr. Spec

1

No

35

☐

☐

Total Designed Watts: UNCONDITIONED SPACES

99

1 FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

2 Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces. When a control having a * is shown, the notes section of this table provides more detail on how compliance is achieved. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Building Level Controls

01

02

03

Mandatory Demand Response §110.12(c)

Shut-off controls §130.1(c)

Field Inspector

Pass

Fail

Not Required <= 10,000 SF

Whole Building Auto Time Switch

☐

☐

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003
Schema Version: rev 20200601

Report Generated: 2022-07-06 17:29:09

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: Chgula Vista Artist Space

Report Page: (Page 2 of 8)

Project Address: 50 N 4th Ave

Date Prepared: 7/6/2022

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1

Allowed Lighting Power per §140.6(b) (Watts)

01

02

03

04

=

05

≥

Adjusted Lighting Power per §140.6(a) (Watts)

06

07

=

08

Compliance Results

09

05 must be >= 08 §140.6

Complete Building §140.6(c)1

Area Category §140.6(c)2

Area Category Additional §140.6(c)2G (+)

Tailored §140.6(c)3 (+)

Total Allowed (Watts)

(See Table I)

(See Table I)

(See Table J)

(See Table K)

(See Table F)

(See Table P)

Total Designed (Watts)

PAF Lighting Control Credits §140.6(a)2 (-)

Total Adjusted (Watts) *Includes Adjustments

Conditioned

Unconditioned

160.2

0

=

160

≥

99

0

=

99

COMPLIES

COMPLIES

Controls Compliance (See Table H for Details)

Rated Power Reduction Compliance (See Table Q for Details)

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Unconditioned Spaces

01

02

03

04

05

06

07

08

09

10

Name or Item Tag

Complete Luminaire Description

Modular (Track) Fixture

Small Aperture & Color Change¹

Watts per luminaire²

How is Wattage determined

Total Number of Luminaires

Excluded per §140.6(a)3

Design Watts

Field Inspector

Pass

Fail

Type A

Type A LED Downlight

No

No

16

Mfr. Spec

4

No

64

☐

☐

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003
Schema Version: rev 20200601

Report Generated: 2022-07-06 17:29:09

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: Chgula Vista Artist Space

Report Page: (Page 4 of 8)

Project Address: 50 N 4th Ave

Date Prepared: 7/6/2022

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04

05

06

07

08

09

10

11

12

Area Description

Complete Building or Area Category Primary Function Area

Area Controls §130.1(a)

Multi-Level Controls §130.1(b)

Shut-Off Controls §130.1(c)

Primary/Sky lit Daylighting §130.1(d)

Secondary Daylighting §140.6(d)

Interlocked Systems §140.6(a)1

Field Inspector

Pass

Fail

Gallery 10

Convention, Conference, Multipurpose and Meeting Center Areas

Manual ON/OFF

Dimmer

Occupancy Sensor

N/A

N/A

No

☐

☐

Gallery

Convention, Conference, Multipurpose and Meeting Center Areas

Manual ON/OFF

Dimmer

Occupancy Sensor

N/A

N/A

No

☐

☐

Office 3

Office 250 square feet or less

Manual ON/OFF

Dimmer

Occupancy Sensor

N/A

N/A

No

☐

☐

Office 4

Office 250 square feet or less

Manual ON/OFF

Dimmer

Occupancy Sensor

N/A

N/A

No

☐

☐

Hall 14

Corridor Area

Manual ON/OFF

Dimmer

Occupancy Sensor

N/A

N/A

No

☐

☐

Vestibule

Corridor Area

Manual ON/OFF

Dimmer

Occupancy Sensor

N/A

N/A

No

☐

☐

RR 5

Restrooms

Manual ON/OFF

Exempt*

Occupancy Sensor

N/A

N/A

No

☐

☐

RR 6

Restrooms

Manual ON/OFF

Exempt*

Occupancy Sensor

N/A

N/A

No

☐

☐

Studio 12

Office greater than 250 square feet

Manual ON/OFF

Dimmer

Occupancy Sensor

N/A

N/A

No

☐

☐

Kitchen/Flex Space 11

Kitchen/ Food Preparation Area

Manual ON/OFF

Dimmer

Occupancy Sensor

N/A

N/A

No

☐

☐

Studio/Screening 8

Office greater than 250 square feet

Manual ON/OFF

Dimmer

Occupancy Sensor

N/A

N/A

No

☐

☐

Registration Number:

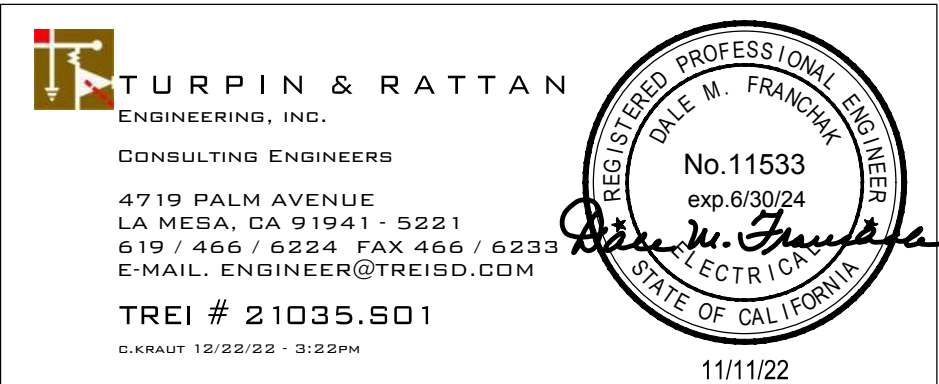
Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003
Schema Version: rev 20200601

Report Generated: 2022-07-06 17:29:09



CASA CASILLAS ARTIST SPACE
50 4TH AVENUE. CHULA VISTA, CA
TITLE 24

RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022

APPROVED BY:

DATE:

DRAWING NO. E-600

DALE FRANCHAK, P.E.
ELECTRICAL ENGINEER

CITY OF CHULA VISTA
PUBLIC WORKS
1800 MAXWELL ROAD,
CHULA VISTA, CA
WWW.CHULAVISTACA.GOV

3.

2.

1.

REVISION

BY / DATE

APPD / DATE

REFERENCES DWG. NO.:

CCV DWG No. 15024

DESIGNED BY:

MB

DESIGNED BY:

GT

SCALE

HORIZONTAL: 1"=20'

VERTICAL: 1"=4'

DATUM

HORIZONTAL: CCS '93 ZONE 6, EPOCH 1991.35

VERTICAL: NAVD88

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

Project Name: Chgula Vista Artist Space

Report Page: NRCC-LTI-E (Page 5 of 8)

Project Address: 50 N 4th Ave

Date Prepared: 7/6/2022

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

| | | | | | | | | | |
|-----------------|--------------------------------------|---------------|---------|------------------|-----|-----|----|--------------------------|--------------------------|
| Storage 15 | Office greater than 250 square feet | Manual ON/OFF | Dimmer | Occupancy Sensor | N/A | N/A | No | <input type="checkbox"/> | <input type="checkbox"/> |
| Custodial | All Other Space Types | Manual ON/OFF | Dimmer | Occupancy Sensor | N/A | N/A | No | <input type="checkbox"/> | <input type="checkbox"/> |
| Electrical/Tele | Electrical Mechanical Telephone Room | Manual ON/OFF | Exempt* | Exempt* | N/A | N/A | No | <input type="checkbox"/> | <input type="checkbox"/> |

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
Ex: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)(2)

13

Plan Sheet Showing Daylit Zones:

| | |
|-----------------|-----------------|
| RR 5 | restroom |
| RR 6 | restroom |
| Electrical/Tele | Electrical Room |

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per §140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Unconditioned Spaces

| 01 | 02 | 03 | 04 | 05 | 06 | |
|------------------|--|-------------------------|------------|-------------------------|---|-----|
| Area Description | Complete Building or Area Category Primary Function Area | Allowed Density (W/ft²) | Area (ft²) | Allowed Wattage (Watts) | Additional Allowance / Adjustment Area Category | PAF |
| R.R.'s Zone | Restrooms | 0.65 | 162 | 105.3 | No | No |
| Storage 13 Zone | Commercial Industrial Storage Area | 0.45 | 122 | 54.9 | No | No |
| TOTALS: | | | 284 | 160.2 | See Tables J, or P for detail | |

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Provider: Energysoft

Report Generated: 2022-07-06 17:29:09

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

Project Name: Chgula Vista Artist Space

Report Page: NRCC-LTI-E (Page 7 of 8)

Project Address: 50 N 4th Ave

Date Prepared: 7/6/2022

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCL/

| Yes | No | Form/Title | Field Inspector | |
|----------------------------------|----------------------------------|--|--------------------------|--------------------------|
| | | | Pass | Fail |
| <input checked="" type="radio"/> | <input type="radio"/> | NRCH-LTI-01-E - Must be submitted for all buildings | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="radio"/> | <input checked="" type="radio"/> | NRCH-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance. | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="radio"/> | <input checked="" type="radio"/> | NRCH-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room or a theater to be recognized for compliance. | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="radio"/> | <input checked="" type="radio"/> | NRCH-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance. | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="radio"/> | <input checked="" type="radio"/> | NRCH-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance. | <input type="checkbox"/> | <input type="checkbox"/> |

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

| Yes | No | Form/Title | Field Inspector | |
|-----------------------|----------------------------------|---|--------------------------|--------------------------|
| | | | Pass | Fail |
| <input type="radio"/> | <input checked="" type="radio"/> | NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls. | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="radio"/> | <input checked="" type="radio"/> | NRCA-LTI-03-A - Must be submitted for automatic daylight controls. | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="radio"/> | <input checked="" type="radio"/> | NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls. | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="radio"/> | <input checked="" type="radio"/> | NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF) | <input type="checkbox"/> | <input type="checkbox"/> |

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Provider: Energysoft

Report Generated: 2022-07-06 17:29:09

CONSTRUCTION RECORD

CONTRACTOR:

INSPECTOR:

DATE COMPLETED:

SIGNED:

PRINTED NAME:

DATE:

ARCHITECT:

DISCIPLINE:

EXPIRATION:

AS-BUILT

| | | |
|---|---------------------------|--|
| STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E | | CALIFORNIA ENERGY COMMISSION NRCC-LTI-E |
| CERTIFICATE OF COMPLIANCE | | |
| Project Name: | Chgula Vista Artist Space | Report Page: |
| Project Address: | 50 N 4th Ave | Date Prepared: |
| | | (Page 6 of 8) 7/6/2022 |
| K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE | | |
| This section does not apply to this project. | | |
| L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY | | |
| This section does not apply to this project. | | |
| M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING | | |
| This section does not apply to this project. | | |
| N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS | | |
| This section does not apply to this project. | | |
| O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE | | |
| This section does not apply to this project. | | |
| P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF)) | | |
| This section does not apply to this project. | | |
| Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS | | |
| This section does not apply to this project. | | |
| R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS | | |
| This section does not apply to this project. | | |
| S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF) | | |
| This section does not apply to this project. | | |

| | | |
|--|--|---------------------------------------|
| Registration Number: | Registration Date/Time: | Registration Provider: Energysoft |
| CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance | Report Version: 2019.1.003 Schema Version: rev 20200601 | Report Generated: 2022-07-06 17:29:09 |

| | | | |
|----------------------------------|---------------------------|------------------------------|----------------------|
| STATE OF CALIFORNIA | | | |
| Indoor Lighting | | | |
| NRCC-LTI-E | | CALIFORNIA ENERGY COMMISSION | |
| CERTIFICATE OF COMPLIANCE | | NRCC-LTI-E | |
| Project Name: | Chgula Vista Artist Space | Report Page: | (Page 8 of 8) |
| Project Address: | 50 N 4th Ave | Date Prepared: | 7/6/2022 |

| DOCUMENTATION AUTHOR'S DECLARATION STATEMENT | |
|--|---|
| I certify that this Certificate of Compliance documentation is accurate and complete. | |
| Documentation Author Name: Scott Christian | Documentation Author Signature:  |
| Company: Turpin & Rattan Engineering, Inc. | Signature Date: 2022-07-06 |
| Address: 4719 Palm Avenue | CEA/ HERS Certification Identification (if applicable): |
| City/State/Zip: La Mesa CA 91941-5221 | Phone: 619.466.6224 |
| RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: <ol style="list-style-type: none"> The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. | |
| Responsible Designer Name: Dale Franchak | Responsible Designer Signature:  |
| Company: Turpin & Rattan Engineering, Inc. | Date Signed: 2022-07-06 |
| Address: 4719 Palm Ave. | License: E11533 |
| City/State/Zip: La Mesa, CA 91941 | Phone: 619.466.6224 |

| | | |
|--|--|---------------------------------------|
| Registration Number: | Registration Date/Time: | Registration Provider: Energysoft |
| CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance | Report Version: 2019.1.003 Schema Version: rev 20200601 | Report Generated: 2022-07-06 17:29:09 |

| | | |
|--|---------------------|---|
| <p style="text-align: center;">CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA TITLE 24</p> | | |
|  | | <p>CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTACA.GOV</p> |
| <p>RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022</p> | <p>APPROVED BY:</p> | <p>DATE: _____</p> |
| <p>DALE FRANCHAK, P.E. ELECTRICAL ENGINEER</p> | <p>_____</p> | <p>DRAWING NO.</p> <p style="text-align: center; font-size: 2em;">E-601</p> |

C:\KRAUT\12\22\222 - 3:23PM, 4/13/13 10:35:50.1 - CITY OF CHULA VISTA, SOUTH BAY, YNCA, TENANT, IMPROVEMENTS, 3 10:35:50.1 E:\ASAP\REV\3 10:35:50.1 E:\005 TITLE 24.DWG

| | | | |
|--------------|---------------------------------------|--------------|---|
| REVISION | 1. | 2. | 3. |
| BY / DATE | | | |
| APPD / DATE | | | |
| DESIGNED BY: | MB | DESIGNED BY: | GT |
| SCALE | HORIZONTAL: 1"=20' VERTICAL: 1"=4' | DATUM | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 VERTICAL: NAVD83 |

STATE OF CALIFORNIA

Outdoor Lighting

NRCC-LTO-E

CALIFORNIA ENERGY COMMISSION

| | | | | | |
|---------------------------|--|---------------------------|--|----------------|--|
| CERTIFICATE OF COMPLIANCE | | | | NRCC-LTO-E | |
| Project Name: | | Chgula Vista Artist Space | | Report Page: | |
| Project Address: | | 50 N 4th Ave | | Date Prepared: | |
| | | | | 7/6/2022 | |

A. GENERAL INFORMATION

| | | | | | |
|--------------------------|--|-------------------------------------|-------------------------------------|--|--|
| 01 | Project Location (city) | Chula Vista | 04 | Total Illuminated Hardscape Area (ft²) | 4893 |
| 02 | Climate Zone | 7 | | | |
| 03 | Outdoor Lighting Zone per Title 24 Part 1 §10.114 or as designated by Authority Having Jurisdiction (AHJ): | | | | |
| <input type="checkbox"/> | LZ-0: Very Low - Undeveloped Parkland | <input type="checkbox"/> | LZ-2: Moderate - Rural Areas | <input type="checkbox"/> | LZ-4: High - Must be reviewed by CA Energy Commission for Approval |
| <input type="checkbox"/> | LZ-1: Low - Developed Parkland | <input checked="" type="checkbox"/> | LZ-3: Moderately High - Urban Areas | | |

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2), for alterations.

My Project Consists of:

| | | | | | |
|---|-------------------------|--|------------------|--------------------------|--------|
| 01 | | 02 | | | |
| <input type="checkbox"/> | New Lighting System | Must Comply with Allowances from §140.7 | | | |
| <input checked="" type="checkbox"/> | Altered Lighting System | Is your alteration increasing the connected lighting load (Watts)? | | | |
| | | <input checked="" type="radio"/> | Yes | <input type="radio"/> | No |
| 03 | | 04 | | 05 | |
| % of Existing Luminaires Being Altered¹ | | Sum Total of Luminaires Being Added or Altered | | Calculation Method | |
| <input type="checkbox"/> | < 10% | <input type="checkbox"/> | >= 10% and < 50% | <input type="checkbox"/> | >= 50% |

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

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Registration Provider: Energysoft

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STATE OF CALIFORNIA

Outdoor Lighting

NRCC-LTO-E

CALIFORNIA ENERGY COMMISSION

| | | | | | | | | | | | |
|---------------------------|--|---------------------------|--|----------------|--|---------------|--|--|--|------------|--|
| CERTIFICATE OF COMPLIANCE | | | | | | | | | | NRCC-LTO-E | |
| Project Name: | | Chgula Vista Artist Space | | Report Page: | | (Page 3 of 7) | | | | | |
| Project Address: | | 50 N 4th Ave | | Date Prepared: | | 7/6/2022 | | | | | |

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with §140.7, all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)(2), only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included).

Designed Wattage:

| | | | | | | | | | | |
|---------------------|--------------------------------|---------------------------------|---------------------------|---------------------------|-------------------|------------------------|--------------|--|---|--|
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | |
| Name or Item Tag | Complete Luminaire Description | Watts per luminaire¹, ² | How is Wattage determined | Total number luminaires ³ | Luminaire Status³ | Excluded per §140.7(a) | Design Watts | Cutoff Req. > 6,200 initial lumen output §130.2(b) ⁴ | Field Inspector | |
| Type F | Type F LED | <input type="checkbox"/> Linear | 28 | Mfr. Spec | 7 | New | 196 | NA: < 6200 lumens | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Type G | Type G LED | <input type="checkbox"/> Linear | 28 | Mfr. Spec | 2 | New | 56 | NA: < 6200 lumens | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Type J | Type J LED | <input type="checkbox"/> Linear | 20 | Mfr. Spec | 4 | New | 80 | NA: < 6200 lumens | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Type L | Type L LED | <input type="checkbox"/> Linear | 20 | Mfr. Spec | 3 | New | 60 | NA: < 6200 lumens | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Type L1 | Type L1 | <input type="checkbox"/> Linear | 20 | Mfr. Spec | 2 | New | 40 | NA: < 6200 lumens | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | |
| Total Design Watts: | | | | | | | | 432 | | |

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
Ex: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b)

² FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)

² For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.

³ Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.

⁴ Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by §130.2(b)

G. CUTOFF REQUIREMENTS (BUG)

This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

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Registration Provider: Energysoft

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| | | | |
|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |



TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ENGINEERS
4719 PALM AVENUE
LA MESA, CA 91941 • 5221
619 / 466 / 6224 FAX 466 / 6233
E-MAIL: ENGINEER@TREISD.COM
TREI # 21035.S01
C:\KRAUT\12\22\22 - 3:23PM



No.11533
exp.6/30/24
DALE M. FRANCHAK
ELECTRICAL ENGINEER
STATE OF CALIFORNIA

Platt/Whitelaw
Architects, Inc.



4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104

STATE OF CALIFORNIA

Outdoor Lighting

NRCC-LTO-E

CALIFORNIA ENERGY COMMISSION

| | | | | | | | | | | | |
|---------------------------|--|---------------------------|--|----------------|--|---------------|--|--|--|------------|--|
| CERTIFICATE OF COMPLIANCE | | | | | | | | | | NRCC-LTO-E | |
| Project Name: | | Chgula Vista Artist Space | | Report Page: | | (Page 2 of 7) | | | | | |
| Project Address: | | 50 N 4th Ave | | Date Prepared: | | 7/6/2022 | | | | | |

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

| | | | | | | | | | | | | | | | |
|---|----|--|----|---|----|-------------------------------------|----|--|----|---|---|-----------------------|---|----------------------|------------------|
| Calculations of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)(2) | | | | | | | | | | Compliance Results | | | | | |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | | | | | | | |
| General Hardscape Allowance §140.7(d)1 (See Table I) | + | Per Application §140.7(d)2 (See Table J) | + | Sales Frontage §140.7(d)2 (See Table K) | + | Ornamental §140.7(d)2 (See Table L) | + | Per Specific Area §140.7(d)2 (See Table M) | OR | Existing Power Allowance §141.0(b)(2) (See Table N) | = | Total Allowed (Watts) | ≥ | Total Actual (Watts) | 07 must be >= 08 |
| 639.33 | + | --- | + | --- | + | --- | + | --- | OR | --- | = | 639.33 | ≥ | 432 | COMPLIES |
| Cutoff Compliance (See Table G for Details) | | | | | | | | | | N/A | | | | | |
| Controls Compliance (See Table H for Details) | | | | | | | | | | COMPLIES with Exceptional Conditions | | | | | |

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Provider: Energysoft

Report Generated: 2022-07-06 17:29:08

STATE OF CALIFORNIA

Outdoor Lighting

NRCC-LTO-E

CALIFORNIA ENERGY COMMISSION

| | | | | | | |
|---------------------------|--|---------------------------|--|----------------|------------|--|
| CERTIFICATE OF COMPLIANCE | | | | | NRCC-LTO-E | |
| Project Name: | | Chgula Vista Artist Space | | Report Page: | | |
| Project Address: | | 50 N 4th Ave | | Date Prepared: | | |
| | | | | 7/6/2022 | | |

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.

When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Mandatory Controls

| | | | | |
|----------------------|---------------------|--------------------------|--------------------------|---|
| 01 | 02 | 03 | 04 | 05 |
| Area Description | Shut-Off §130.2(c)1 | Auto-Schedule §130.2(c)2 | Motion Sensor §130.2(c)3 | Field Inspector |
| Pedestrian Hardscape | Photocontrol | Yes | Exempt* | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

* NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
Ex: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c)

Pedestrian Hardscape Under wattage requirement

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Provider: Energysoft

Report Generated: 2022-07-06 17:29:08

| | | | |
|--|--|--------------|----------------------|
| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA TITLE 24 | | | |
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. E-602 |
| DALE FRANCHAK, P.E. ELECTRICAL ENGINEER | | | |

C:\KRAUT\12\22\222 - 3:23PM, 4/13/13 10:35:50.1 - CITY OF CHULA VISTA, SOUTH BAY, YVEA, TENANT, IMPROVEMENTS, 3 10:35:50.1 E:\ASAP\PROJ\3 10:35:50.1 E:\003 TITLE 24.dwg

| | | | | | |
|---|--|---|--|---|--|
| 3. | | 2. | | 1. | |
| REVISION | | BY / DATE | | APPD / DATE | |
| REFERENCES DWG. NO.: CCV DWG No. 15024 | | | | | |
| DESIGNED BY: | | DESIGNED BY: | | DESIGNED BY: | |
| MB | | MB | | GT | |
| SCALE | | SCALE | | SCALE | |
| HORIZONTAL: 1"=20' | | HORIZONTAL: 1"=20' | | HORIZONTAL: 1"=20' | |
| VERTICAL: 1"=4' | | VERTICAL: 1"=4' | | VERTICAL: 1"=4' | |
| DATUM | | DATUM | | DATUM | |
| HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | |
| VERTICAL: NAVD83 | | VERTICAL: NAVD83 | | VERTICAL: NAVD83 | |

STATE OF CALIFORNIA

Outdoor Lighting

NRCC-LTO-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Chgula Vista Artist Space

Report Page: (Page 5 of 7)

Project Address: 50 N 4th Ave

Date Prepared: 7/6/2022

I. LIGHTING POWER ALLOWANCE (per §140.7)

This table includes areas using allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lose it" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

☒ General Hardscape Allowance Table I (below)

"Use it or lose it" Allowance (select all that apply) (select all that apply)

☐ Per Application Table J

☐ Sales Frontage Table K

☐ Ornamental Table L

☐ Per Specific Area Table M

01

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 0, 1 & 4)

This section does not apply to this project.

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3)

| 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 |
|--|--------------|------------------------------|-------------------------|------------------------|------------------------------|------------------------|--------------------------|---------------------------------|
| Area Description | Surface Type | Area Wattage Allowance (AWA) | | | Area Wattage Allowance (AWA) | | | Total General AWA + LWA (Watts) |
| | | Illuminated Area (ft²) | Allowed Density (W/ft²) | Area Allowance (Watts) | Perimeter Length (lf) | Allowed Density (W/lf) | Linear Allowance (Watts) | |
| Undefined Ext Task | Asphalt | 4893 | 0.03 | 122.325 | 668 | 0.4 | 167 | 289.325 |
| Initial Wattage Allowance for Entire Site (Watts): | | | | | | | | 350 |
| Total General Hardscape Allowance (Watts): | | | | | | | | 639.325 |

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003

Schema Version: rev 20200601

Report Generated: 2022-07-06 17:29:08

STATE OF CALIFORNIA

Outdoor Lighting

NRCC-LTO-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Chgula Vista Artist Space

Report Page: (Page 7 of 7)

Project Address: 50 N 4th Ave

Date Prepared: 7/6/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Scott Christian

Documentation Author Signature: [Signature]

Company: Turpin & Rattan Engineering, Inc.

Signature Date:

Address: 4719 Palm Avenue

CEA/HERS Certification Identification (if applicable):

City/State/Zip: La Mesa CA 91941-5221

Phone: 619.466.6224

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the owner provides to the building owner at occupancy.

Responsible Designer Name: Dale Franchak

Responsible Designer Signature: [Signature]

Company: Turpin & Rattan Engineering, Inc.

Date Signed: 2022-07-06

Address: 4719 Palm Ave.

License: E11533

City/State/Zip: La Mesa, CA 91941

Phone: 619.466.6224

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003

Schema Version: rev 20200601

Report Generated: 2022-07-06 17:29:08

| | | | |
|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |

TURPIN & RATTAN

ENGINEERING, INC.

CONSULTING ENGINEERS

4719 PALM AVENUE

LA MESA, CA 91941 • 5221

619 / 466 / 6224 FAX 466 / 6233

E-MAIL: ENGINEER@TREISO.COM

TREI # 21035.S01

G:\KRAUT\12\22\22 - 3:23PM

11/11/22

STATE OF CALIFORNIA

Outdoor Lighting

NRCC-LTO-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Chgula Vista Artist Space

Report Page: (Page 6 of 7)

Project Address: 50 N 4th Ave

Date Prepared: 7/6/2022

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

| Yes | No | Form/Title | Field Inspector | |
|----------------------------------|-----------------------|--|--------------------------|--------------------------|
| | | | Pass | Fail |
| <input checked="" type="radio"/> | <input type="radio"/> | NRCI-LTO-01-E - Must be submitted for all buildings | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="radio"/> | <input type="radio"/> | NRCI-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance. | <input type="checkbox"/> | <input type="checkbox"/> |

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

| Yes | No | Form/Title | Field Inspector | |
|----------------------------------|-----------------------|--|--------------------------|--------------------------|
| | | | Pass | Fail |
| <input checked="" type="radio"/> | <input type="radio"/> | NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires. | <input type="checkbox"/> | <input type="checkbox"/> |

Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003

Schema Version: rev 20200601

Report Generated: 2022-07-06 17:29:08

CASA CASILLAS ARTIST SPACE

50 4TH AVENUE. CHULA VISTA, CA

TITLE 24

RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022

APPROVED BY:

DATE:

DRAWING NO.

E-603

DALE FRANCHAK, P.E.

ELECTRICAL ENGINEER

CITY OF CHULA VISTA

PUBLIC WORKS

1800 MAXWELL ROAD,

CHULA VISTA, CA

WWW.CHULAVISTACA.GOV

Platt/Whitelaw

Architects, Inc.

4034 30TH STREET

SAN DIEGO, CALIFORNIA

92104

C:\KRAUT\12\22\222 - 3:36PM_4/13/13 1035.501 - CITY OF CHULA VISTA SOUTH BAY YNCA TENANT IMPROVEMENTS 1035.501 PLUMBING LEGEND & GENERAL NOTES.DWG

| | | | |
|---|---------------|--|--|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |
| REFERENCES DWG. NO.: CCV DWG No. 15024 | | DESIGNED BY: MB DESIGNED BY: MB GT | SCALE HORIZONTAL: 1"=20' VERTICAL: 1"=4' |
| REVISION | | 1. | 3. |
| BY / DATE | | 2. | |
| APPD / DATE | | | |

GENERAL NOTES

GENERAL NOTES:

- ALL WORK OF THIS SECTION SHALL FULLY CONFORM TO THE REQUIREMENTS OF THE 2019 CALIFORNIA PLUMBING CODE (C.P.C.), 2019 CALIFORNIA BUILDING CODE (C.B.C.), 2019 CALIFORNIA MECHANICAL CODE (C.M.C.), CALIFORNIA ADMINISTRATIVE CODE TITLE 24, THE CALIFORNIA GREEN STANDARDS MODEL CODE, THE AMERICAN SOCIETY OF TESTING AND MATERIALS AND APPLICABLE NFPA STANDARDS.
- SUBSTITUTIONS: BIDDERS WISHING TO OBTAIN APPROVAL OF AN ARTICLE, DEVICE, PRODUCT, MATERIAL, FIXTURE, FORM OR TYPE OF CONSTRUCTION OTHER THAN THOSE SPECIFIED BY NAME, MAKE OR CATALOG NUMBER, SHALL REQUEST VERBAL APPROVAL FROM THE ARCHITECT NOT LESS THAN TEN (10) DAYS BEFORE THE BID DUE DATE. WRITTEN APPROVAL CANNOT BE FINALIZED UNTIL SUBMITTALS ARE EXAMINED.
- THE SPECIFICATIONS ARE AN INTEGRAL PART OF THESE DOCUMENTS AND THE REQUIREMENTS THEREIN MUST BE INCLUDED IN THE INTERPRETATION OF THE DRAWINGS AND IMPLEMENTATION OF WORK.
- AREA SEPARATION WALLS: WHERE PLUMBING PENETRATES THE AREA SEPARATION WALL SURFACE, THE SECTION PASSING THROUGH THE WALL SURFACE AND THE FIXTURE CONNECTIONS ATTACHED THERETO, SHALL BE ONLY OF METAL.

UTILITY NOTES:

- WATER, SEWER AND STORM DRAIN PIPING ON THE PLUMBING PLANS IS SHOWN UP TO THE 5-FOOT LINE. FOR CONTINUATION, SEE CIVIL DRAWINGS. VERIFY ALL POINT OF CONNECTIONS PRIOR TO INSTALLATION OF ANY PIPING.
- LOCATIONS AND DEPTHS OF EXISTING UNDERGROUND UTILITIES AND OTHER UNDERGROUND OBSTRUCTIONS AND CONDITIONS ARE GENERALLY UNKNOWN AND IF SHOWN ARE AT APPROXIMATE LOCATIONS. CONTRACTOR SHALL HIRE A UTILITY LOCATING SERVICE TO LOCATE ALL EXISTING PLUMBING AND OTHER UNDERGROUND UTILITIES PRIOR TO DIGGING. VERIFY EXACT LOCATION SIZE AND EXTENT OF ALL OBSTRUCTIONS AND OTHER CONDITIONS WHICH MAY AFFECT THE PROPOSED WORK UNDER THE PROJECT. TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO EXISTING WORK, INCLUDING HAND DIGGING AROUND EXISTING UTILITIES, TREE ROOT SYSTEMS, AND HARDSCAPE FEATURES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE IMMEDIATELY REPAIRED OR REPLACED IN ACCORDANCE WITH THE CLIENT'S DIRECTION AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL EXERCISE EXTREME CARE TO AVOID DAMAGE IN EXPOSING UNDERGROUND SERVICES. IN ADDITION TO WHAT IS NOTED ABOVE, THE CONTRACTOR SHOULD REQUEST THAT UTILITY AGENCIES LOCATE AND MARK ANY UNDERGROUND PIPING OR CABLES THAT MAY BE IN THE AREA OF WORK. WHERE AN UNDERGROUND FACILITY IS ENCOUNTERED WHICH IS NOT SHOWN ON THE PLANS OR MENTIONED IN ANY OTHER CONTRACT DOCUMENT, THE CONTRACTOR SHALL DISCONTINUE THE EXCAVATION AND IMMEDIATELY CALL THE ARCHITECT FOR INSPECTION.
- PRIOR TO INSTALLATION OF ANY SEWER AND STORM DRAIN LINES, THE CONTRACTOR SHALL PHYSICALLY VERIFY THE ELEVATION, SIZE AND MATERIAL AT THE POINT OF CONNECTION. IF THE ACTUAL ELEVATION IS HIGHER THAN INDICATED AND THE BUILDING SEWER OR DRAIN CANNOT BE INSTALLED AS SHOWN, THE CONTRACTOR SHALL NOT PROCEED WITH THE CONSTRUCTION OF SAID LINES AND SHALL IMMEDIATELY INFORM THE ARCHITECT.
- BUILDING DRAIN AND VENT PIPING MATERIALS SHALL COMPLY WITH SECTIONS 701.0 AND 903.0 OF THE CALIFORNIA PLUMBING CODE
- ALL SANITARY SYSTEM MATERIALS SHALL BE LISTED BY AN APPROVED LISTING AGENCY.
- EACH VENT SHALL RISE VERTICALLY TO A POINT NOT LESS THAN SIX (6) INCHES ABOVE THE FLOOD-LEVEL RIM OF THE FIXTURE SERVED BEFORE OFFSETTING HORIZONTALLY OR BEFORE BEING CONNECTED TO ANY OTHER VENT.
- A WATER HEATER PRESSURE AND TEMPERATURE RELIEF DRAIN THAT TERMINATES OUTSIDE THE BUILDING SHALL COMPLY WITH SECTIONS 608.5 CPC.
- PROVIDE EXPANSION TANK OR OTHER APPROVED METHOD OF RELIEVING PRESSURE PER SECTION 608.3 CPC.

PIPING MATERIAL SCHEDULE

| PIPE | MATERIAL |
|--|--|
| SANITARY SEWER, WASTE AND VENT ABOVE GRADE | NO HUB CAST IRON - SERVICE WEIGHT ¹ |
| SANITARY SEWER, WASTE AND VENT BELOW GRADE | ASTM D2685 SOLID CORE BELL END SCH. 40 PVC DWV INSTALLED PER ASTM D2321 ¹ |
| POTABLE WATER ABOVE GRADE | COPPER TYPE 'L' - SOLDERED JOINTS ⁴ IN CHEMICAL ROOMS: SCH. 40 STAINLESS STEEL |
| POTABLE WATER BELOW GRADE | WITHIN BUILDING: COPPER TYPE 'K' - BRAZED JOINTS ² OUTSIDE OF BUILDING: COPPER TYPE 'L' - BRAZED JOINTS ² |
| NATURAL GAS PIPING ABOVE GRADE | SCH. 40 GRADE A BLACK STEEL ⁵ |
| NATURAL GAS PIPING BELOW GRADE | BUTT FUSION POLYETHYLENE |
| INTERIOR CONDENSATE DRAIN PIPING | INSULATED COPPER TYPE 'M' ^{3, 4} |
| EXTERIOR CONDENSATE DRAIN PIPING | COPPER TYPE 'M' |

NOTE: ALL CAST IRON COUPLINGS SHALL BE HEAVY DUTY, HUSKY SD 4000 OR EQUAL.

- NEW SANITARY SEWER AND WASTE PIPING SHALL BE SLOPED AT 1/4" PER FOOT (2%) MIN.
- PROVIDE 6MIL MINIMUM POLYETHYLENE WRAP ALONG ENTIRE LENGTH OF PIPE AND FITTINGS. MINIMUM 12" OVERLAP AT EACH END OF PIPE. NORTHTOWN POLYWRAP-C OR EQUAL.
- INSULATION WITH ASTM E84 FLAME SPREAD RATING NOT GREATER THAN 25 AND SMOKE DEVELOPED RATING NOT GREATER THAN 50.
- PROVIDE ALL INSULATED DOMESTIC HOT WATER, HOT WATER CIRCULATING AND CONDENSATE DRAIN PIPING WITH METAL JACKETING.
- ALL STEEL GAS PIPING 2" AND SMALLER SHALL HAVE THREADED JOINTS. ALL PIPING 2 1/2" AND LARGER SHALL HAVE WELED JOINTS.

GENERAL NOTES

FIXTURES:

- ALL FIXTURES SHALL BE NEW, APPROVED, FREE FROM FLAWS AND BLEMISHES WITH CLEAR AND CLEAN FINISHED SURFACES.
- FOR FIXTURE LOCATIONS SEE POOL CONSULTANTS PLANS.
- ALL PLUMBING FIXTURES SHOWN ON DRAWINGS AND AS LISTED ON THE DRAWING FIXTURE SCHEDULE SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. FIXTURES AND TRIM SHALL BE PROPERLY ANCHORED AND CAULKED ALONG ALL JOINTS.
- ALL WALL PENETRATIONS SHALL BE PROVIDED WITH POLISHED CHROME-PLATED CAST BRASS WALL ESCUTCHEONS.
- HOSE BIBBS: PERMANENT VACUUM BREAKERS SHALL BE INCLUDED WITH ALL HOSE BIBBS.

PIPING:

- ALL PIPING PENETRATING RATED WALLS OR FLOORS SHALL HAVE FIRESTOP ASSEMBLY MATCHING WALL OR FLOOR RATING. ALL FLOORS ARE ONE HOUR RATED AND FOR LOCATIONS OF RATED WALLS SEE ARCHITECTURAL DWGS.
- PIPING PENETRATING FOUNDATION WALLS SHALL BE PROVIDED WITH STANDARD WEIGHT GALVANIZED STEEL PIPE SLEEVES TWO PIPE SIZES LARGER THAN PIPE PASSING THRU AND WITH VOID FILLED WITH MANUFACTURED SLEEVE SEAL SYSTEM (METRAFLEX OR EQUAL).
- ALL PIPING PENETRATING FOUNDATION WALLS AND FLOORS OR WHICH WILL COME INTO DIRECT CONTACT WITH CONCRETE SHALL BE PROVIDED WITH POLYETHYLENE PIPE SHIELDING INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. NORTHTOWN "POLYWRAP" AND "POLYWRAP-C" OR EQUAL.

TESTS AND ADJUSTMENTS:


- THE NEW PLUMBING SYSTEM SHALL BE FLUSHED AND THEN TESTED PER LOCAL CODE REQUIREMENTS AND ALL DEFECTS CORRECTED WITH NEW MATERIALS.
- NO PIPING WORK, FIXTURES, OR EQUIPMENT SHALL BE CONCEALED OR COVERED UNTIL INSPECTED BY ENGINEER, WHO SHALL BE NOTIFIED WHEN THE WORK IS LEAK-TIGHT AND READY FOR INSPECTION. ALL TESTS SHALL BE REPEATED AS REQUIRED BY THOSE MAKING THE INSPECTION.
- ALL NEW DOMESTIC WATER PIPING SHALL BE FLUSHED OUT, TESTED AT 150 PSIG AND SHALL BE LEFT UNDER PRESSURE OF SUPPLY MAIN OR A MINIMUM OF 50 PSIG FOR THE REMAINDER OF THE CONSTRUCTION PERIOD. NO AIR TESTING IS ALLOWED. TESTS ARE TO BE APPLIED FOR A MINIMUM PERIOD OF ONE HOUR AND UNTIL TESTS ARE COMPLETE. FINAL PRESSURES AT THE END OF THE TEST PERIOD SHALL BE NOT MORE NOR LESS THAN THAT CAUSED BY EXPANSION OR CONTRACTION OF THE TEST MEDIUM DUE TO TEMPERATURE CHANGES. PROVIDE ADDITIONAL VALVES AS REQUIRED IN THE NEW PIPING DURING CONSTRUCTION TO FACILITATE TESTING.
- PLUMBING FIXTURES SHALL BE FILLED WITH WATER AND CHECKED FOR LEAKS AND RESTRICTED DRAINAGE FLOW. FAUCET AERATORS AND SHOWER HEADS SHALL BE REMOVED AND CLEANED THOROUGHLY.
- SOIL, WASTE, VENT AND CONDENSATE PIPING SHALL BE TESTED WITH A MINIMUM OF 10 FOOT OF HEAD AT EACH JOINT FOR A MINIMUM OF THREE HOURS WITH NO LOSS IN HEAD.
- ALL GAS PIPING SHALL BE TESTED. PIPING CARRYING GAS AT PRESSURE LESS THAN 14 INCH WATER COLUMN SHALL BE TESTED AT NOT LESS THAN 3 PSI FOR A PERIOD OF ONE HOUR MINIMUM WITH NO LOSS IN PRESSURE. PIPING CARRYING GAS AT PRESSURE MORE THAN 14 INCH WATER COLUMN SHALL BE TESTED AT 60 PSI FOR A PERIOD OF ONE HOUR MINIMUM WITH NO LOSS IN PRESSURE. FOLLOWING PRESSURE TEST THE PIPE SYSTEM SHALL BE PURGED WITH INERT GAS PER C.P.C. 1213.6.
- IN ADDITION TO THE UTILITY LOCATION WORK NOTED ABOVE, THE CONTRACTOR SHALL PROVIDE VIDEO RECORDING OF EXISTING UNDERGROUND SEWER LINES. RECORDING SHALL INCLUDE ALL EXISTING PIPING, WHETHER DIRECTLY AFFECTED BY NEW WORK OR NOT. ALL PIPES RECORDED ON THE VIDEO SHALL BE SHOWN WITH DIMENSIONS TO PERMANENT WALLS ON FULL SIZE AND 11X17 DRAWINGS WITH REFERENCES TO RESPECTIVE VIDEO. A WRITTEN REPORT SHALL BE PROVIDED EVALUATING EACH SEPARATE PIPE AND IDENTIFYING AREAS WHERE REPLACEMENT MAY BE REQUIRED. TWO COPIES OF THE VIDEOS, DRAWINGS AND REPORTS HALL BE SUBMITTED TO THE ARCHITECT PRIOR TO COMMENCEMENT OR WORK.


PLUMBING LEGEND

| SYMBOL | ABBR. | DESCRIPTION | SYMBOL | ABBR. | DESCRIPTION |
|--------|---------|--|--------|---------|----------------------------|
| | POC | POINT OF CONNECTION | | AP | ACCESS PANEL |
| | (EX) | DENOTES EXISTING (SHOWN LIGHT) | | B/G | BELOW GRADE |
| | R | REMOVE EXISTING EQUIPMENT OR PIPING | | DFU | DRAINAGE FIXTURE UNITS |
| | W OR S | WASTE OR SOIL PIPING ABOVE GRADE | | ET | EXPANSION TANK |
| | W OR S | WASTE OR SOIL PIPING BELOW GRADE | | EX | EXISTING |
| | GW | GREASE WASTE PIPING BELOW GRADE | | FF | FINISHED FLOOR |
| | V | SANITARY VENT PIPING | | FVFU | FLUSH VALVE FIXTURE UNIT |
| | IW | INDIRECT WASTE PIPING | | FTFU | FLUSH TANK FIXTURE UNIT |
| | CD | CONDENSATE DRAIN PIPING (AIR CONDITIONING) | | GPF | GALLONS PER FLUSH |
| | CW | COLD WATER PIPING | | GPM | GALLONS PER MINUTE |
| | HW | HOT WATER PIPING | | IE | INVERT ELEVATION |
| | HWC | HOT WATER RECIRCULATING PIPING | | L | LAVATORY |
| | TP | TRAP PRIMER LINE PIPING | | SS | SANITARY SEWER |
| | G | GAS PIPING (0" W.C. TO 14" W.C.) | | TYP | TYPICAL |
| | MPG | MEDIUM PRESSURE GAS PIPING (15" W.C. TO 5 PSI) | | U | URINAL |
| | BV | BALL VALVE | | VTR | VENT THRU ROOF |
| | GC | GAS COCK | | V/PH/Hz | VOLTS/PHASE/HERTZ |
| | PRV | PRESSURE REDUCING VALVE | | WC | WATER CLOSET |
| | GPR | GAS PRESSURE REGULATOR | | WH | WATER HEATER |
| | P&TRV | PRESSURE & TEMPERATURE RELIEF VALVE | | WSFU | WATER SUPPLY FIXTURE UNITS |
| | FD | FLOOR DRAIN | | | |
| | FS | FLOOR SINK | | | |
| | GCO | GRADE CLEANOUT IN YARD BOX | | | |
| | FCO | FLOOR CLEANOUT | | | |
| | WCO | WALL CLEANOUT | | | |
| | HB | HOSE BIBB | | | |
| | TP | TRAP PRIMER | | | |
| | WHA 'X' | WATER HAMMER ARRESTER (P.D.I. SIZE) | | | |
| | U | UNION | | | |
| | | CAPPED PIPE END (DRIP LEG) | | | |
| | DN | PIPE TURNING DOWN | | | |
| | UP | PIPE TURNING UP | | | |
| | | VALVE ON RISE OR DROP | | | |
| | VTR | VENT THRU ROOF | | | |

CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA PLUMBING LEGEND & GENERAL NOTES

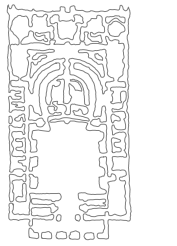
| | | | | |
|--|--|--------------|-------|-------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DATE: | DRAWING NO. |
| CESAR RODRIGUEZ, P.E. MECHANICAL ENGINEER | | | | P-001 |

**TURPIN & RATTAN**
ENGINEERING, INC.
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4719 PALM AVENUE
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TREI # 21035.S01
C:\KRAUT\12\22\22 - 3:36PM


11/11/22

Platt/Whitelaw Architects, Inc.

4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104




C:\KRAUT\12\22\222 - 3:36PM 4/13/13 1035.S01 - CITY OF CHULA VISTA SOUTH BAY YNCA TENANT IMPROVEMENTS 1035.S01 PLUMBING SCHEDULES.dwg

| | | | |
|--|----|-------|--------------------|
| REVISION | 1. | 2. | 3. |
| | | | |
| REFERENCES DWG. NO.: | | | |
| CCV DWG No. 15024 | | | |
| DESIGNED BY: | MB | SCALE | HORIZONTAL: 1"=20' |
| | | | |
| DATUM | | | |
| HORIZONTAL: CCS '83 ZONE 6 EPOCH 1991.35 | | | |
| VERTICAL: NAVD88 | | | |
| DESIGNED BY: | MB | GT | |
| | | | |


| | | | |
|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | | AS-BUILT | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| DATE COMPLETED: | | | |

| PLUMBING EQUIPMENT SCHEDULE | | | | | | | | | |
|-----------------------------|-----------------------------|------------------------|-----------------|----------|-----------------------|-----------------|-----------|-------------------|--|
| SYMBOL | MANUFACTURER & MODEL NUMBER | TYPE | GALLONS STORAGE | KW INPUT | RECOVERY AT 60°F RISE | PIPE SIZE CONN. | FLUE SIZE | OPER. WEIGHT LBS. | REMARKS |
| <u>WH-1</u> | AO SMITH DEL-6S-3 | ELECTRIC TANK TYPE | 6 | 3 | 21 GPM | 3/4" | - | 85 | TANK TYPE, ELECTRIC, 208 V, SINGLE PHASE, GLASS LINED TANK, ZINC PLATED COPPER SHEATHS, SURFACE MOUNTAIN THERMOSTATS. INSTALL BENEATH COUNTER. |
| <u>WH-2</u> | CHRONOMITE CMI-20L/208 | ELECTRIC INSTANTANEOUS | - | 4 | 28°F RISE @ 1.0 GPM | 1/2" | - | 20 | 4160 WATTS AT 208 V 1 PH 60 HZ, WITH MICROPROCESSOR CONTROL SET AT 120° F, STAINLESS STEEL HOUSING, OR EQUAL. |
| <u>GD-1</u> | INSINKERATOR, BADGER 5 | GARBAGE DISPOSAL | - | 1/2 HP | - | - | - | 14 | CONTINUOUS, WALL SWITCH, SINGLE PHASE GARBAGE DISPOSAL, 1725 RPM, 6.3 AMP, GALVANIZED STEEL CONSTRUCTION. |

| PLUMBING FIXTURE SCHEDULE | | | | | | | |
|---------------------------|----------------|----------------------|-------|------|------|------|--|
| ITEM | FIXTURE | ROUGH-IN CONNECTIONS | | | | | REMARKS |
| | | TRAP | WASTE | VENT | CW | HW | |
| <u>WC-1</u> | WATER CLOSET | 4" | 4" | 2" | 3/4" | - | KOHLER K-96057-B FLOOR MOUNT, TOP SPUD, VITREOUS CHINA FLUSH VALVE WATER CLOSET WITH ELONGATED BOWL, WHITE COLOR, PROVIDE COMPLETE WITH COMPACT VERTICAL CARRIER, OPEN FRONT SEAT LESS COVER, WALL ESCUTCHEON, BOLT CAPS AND SUPPLY WITH STOP. SLOAN ROYAL FLUSH VALVE MODEL 111-1.28 (1.28 GPF MAXIMUM), ACCESSIBLE. |
| <u>UR-1</u> | URINAL | 2" | 2" | 2" | 3/4" | - | KOHLER NO. K-4991-ET WALL MOUNTED ULTRA LOW CONSUMPTION FLUSH VALVE URINAL WITH SLOAN ROYAL 186-0.125-DBP (0.125 GPF MAXIMUM) MANUALLY OPERATED FLUSH VALVE. COMPLETE WITH WALL ESCUTCHEON, BOLT CAPS AND SUPPLY WITH STOP, ALL EXPOSED METAL PARTS SHALL BE CHROME PLATED. OR EQUAL, ACCESSIBLE. |
| <u>L-1</u> | LAVATORY | 2" | 2" | 2" | 3/4" | 3/4" | KOHLER K-2031 GREENWICH, WALL HUNG, VITREOUS CHINA LAVATORY, 20-3/4" x 18-1/4" x 7-1/4" DEEP WITH ONE HOLE WITH CHICAGO 857-E2805-665PSHAB SELF METERING PUSH BUTTON FAUCET WITH THERMOSTATIC MIXING VALVE (SET AT 107°F MAX), ROSE SPRAY OUTLET WITH VANDAL RESISTANT 0.4 GPM AERATOR, OFFSET GRID DRAIN AND 1 1/4" TAILPIECE AND TRAP, PROVIDE COMPLETE WITH QUARTER TURN LOOSE KEY STOPS, STAINLESS STEEL HOSES, 4" COVER PLATE AND ESCUTCHEONS FOR ALL WALL PENETRATIONS. PROVIDE MANUFACTURED INSULATED TRAP, STOP AND SUPPLY PROTECTIVE COVER. AB1953 COMPLIANT. OR EQUAL. |
| <u>S-1</u> | SINK (KITCHEN) | 2" | 2" | 2" | 3/4" | 3/4" | JUST DLF-ADA-1933-A-GR, 33"x19"x 6" DEEP DOUBLE COMPARTMENT, 18 GAUGE STAINLESS STEEL SELF RIMMING SINK WITH LEDGE AND INTEGRAL OVERFLOW, FAUCET: CHICAGO 201-AGN8AE35V317AB 8" CENTERS WITH ADJUSTABLE GOOSENECK SPOUT, AND WRIST BLADE HANDLES, ROSE SPRAY OUTLET. 1.5 GPM MAX. FILTER: F-1 WITH COUNTERTOP WATER DISPENSER AND THREE (3) REPLACEMENT FILTERS. ALL COMPONENTS AB1953 COMPLIANT. PROVIDE QUARTER TURN LOOSE KEY STOPS AND STAINLESS STEEL FLEXIBLE HOSES. ACCESSIBLE. |
| <u>S-2</u> | SINK | 2" | 2" | 2" | 3/4" | 3/4" | JUST SL-ADA-2131-16-GR, 20-1/4"x30-1/4"x 5-1/2" DEEP DOUBLE COMPARTMENT, 18 GAUGE STAINLESS STEEL SELF RIMMING SINK WITH LEDGE AND INTEGRAL OVERFLOW. FAUCET: CHICAGO 201-AGN8AE35V317AB 8" CENTERS WITH ADJUSTABLE GOOSENECK SPOUT, AND WRIST BLADE HANDLES, ROSE SPRAY OUTLET. 1.5 GPM MAX. FILTER: F-1 WITH COUNTERTOP WATER DISPENSER AND THREE (3) REPLACEMENT FILTERS. ALL COMPONENTS AB1953 COMPLIANT. PROVIDE QUARTER TURN LOOSE KEY STOPS AND STAINLESS STEEL FLEXIBLE HOSES. ACCESSIBLE. |
| <u>S-3</u> | SINK | 2" | 2" | 2" | 3/4" | 3/4" | JUST SLF-ADA-2125-A-GR, 25"x21x 6- DEEP DOUBLE COMPARTMENT, 18 GAUGE STAINLESS STEEL SELF RIMMING SINK WITH LEDGE AND INTEGRAL OVERFLOW, FAUCET: CHICAGO 201-AGN8AE35V317AB 8" CENTERS WITH ADJUSTABLE GOOSENECK SPOUT, AND WRIST BLADE HANDLES, ROSE SPRAY OUTLET. 1.5 GPM MAX. ALL COMPONENTS AB1953 COMPLIANT. DISPOSER: INSINKERATOR EVOLUTION EXCEL 3/4 HP, 120V. FILTER: F-1 WITH COUNTERTOP WATER DISPENSER AND THREE (3) REPLACEMENT FILTERS. PROVIDE QUARTER TURN LOOSE KEY STOPS AND STAINLESS STEEL FLEXIBLE HOSES. OR EQ. ACCESSIBLE. |
| <u>FS-1</u> | FLOOR SINK | 2" | 2" | 2" | - | - | J.R. SMITH #3441-Y, 12" SQUARE X 8" DEEP WITH NICKEL BRONZE RIM AND HALF GRATE, ACID RESISTANT INTERIOR, REMOVABLE SEDIMENT BUCKET, CAST IRON BODY, 1/2" TRAP PRIMER CONNECTION AND PVC TRAP. OR EQUAL. |
| <u>FD-1</u> | FLOOR DRAIN | 4" | 4" | 2" | - | - | ZURN ZM1830-P TYPE 316 STAINLESS STEEL DRAIN BODY, 12" SQUARE, VANDAL RESISTANT SCREWS, CLAMPING COLLAR, TRAP PRIMER CONNECTION AND CAST IRON TRAP. OR EQUAL. |
| <u>HB-1</u> | HOSE BIBB | - | - | - | 3/4" | - | ACORN #8121-LF WALL TYPE HOSE BIBB WITH LOCKSHIELD BONNET, LOOSE KEY STOP AND INTEGRAL VACUUM BREAKER, OR EQUAL. |
| <u>HB-2</u> | HOSE BIBB | - | - | - | 3/4" | - | ACORN #8151 WITH LOCKABLE 18 GAUGE STAINLESS STEEL RECESSED BOX, CARTRIDGE TYPE VALVE WITH LOCKSHIELD BONNET, LOOSE KEY STOP AND INTEGRAL VACUUM BREAKER, OR EQUAL. |
| <u>TP-1</u> | TRAP PRIMER | - | - | - | 1/2" | - | SIOUX CHIEF PRIME PERFECT 695 SERIES. PROVIDE WITH 695-Y52 AS NEEDED. OR EQUAL. |



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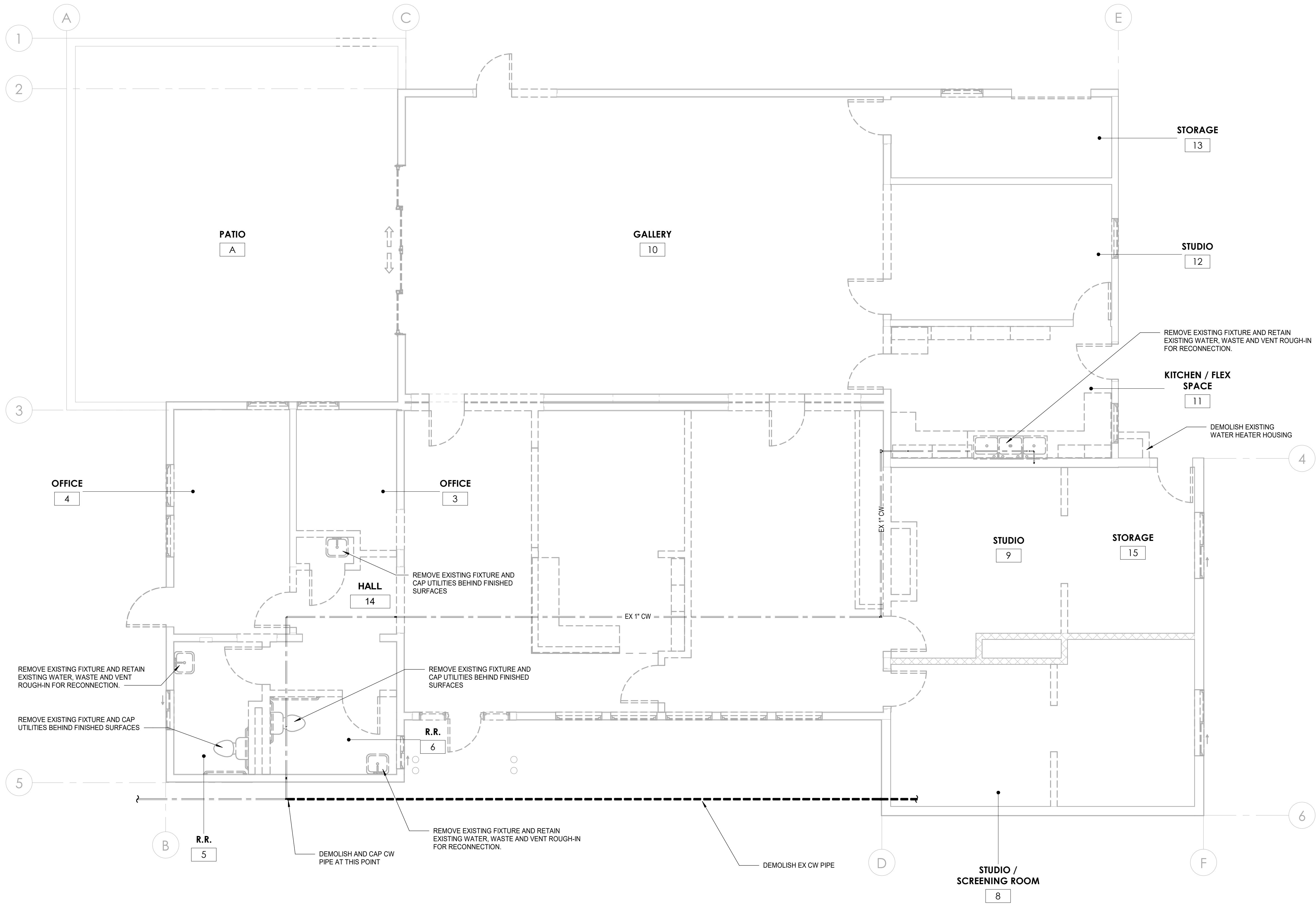
REGISTERED PROFESSIONAL ENGINEER
CESAR RODRIGUEZ
No. M33447
exp. 6/30/24
MECHANICAL
STATE OF CALIFORNIA
11/11/22

Platt/Whitelaw
Architects, Inc.
4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104



| | | | |
|---|--|--------------|--|
| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA PLUMBING FIXTURE SCHEDULE | | | |
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTACA.GOV |
| CESAR RODRIGUEZ, P.E. MECHANICAL ENGINEER | | DATE: | DRAWING NO. P-002 |

| | | | | | | | |
|----|----|--------------------------------------|---|--------------------|--------------------|--|---|
| 3. | 2. | REVISION BY / DATE APPD / DATE | REFERENCES DWG. NO.: CCV DWG No. 15024 | MB DESIGNED BY: | MB DESIGNED BY: | SCALE HORIZONTAL: 1"=20' VERTICAL: 1"=4' | DATUM HORIZONTAL: CCS 83 ZONE 6, EPOCH 1981.35 VERTICAL: NAVD88 |
| | | | | | | | |



1 PLUMBING DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8' 12'
SCALE: 1/4"=1'-0"

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|----------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |

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M33447
exp. 06/30/24
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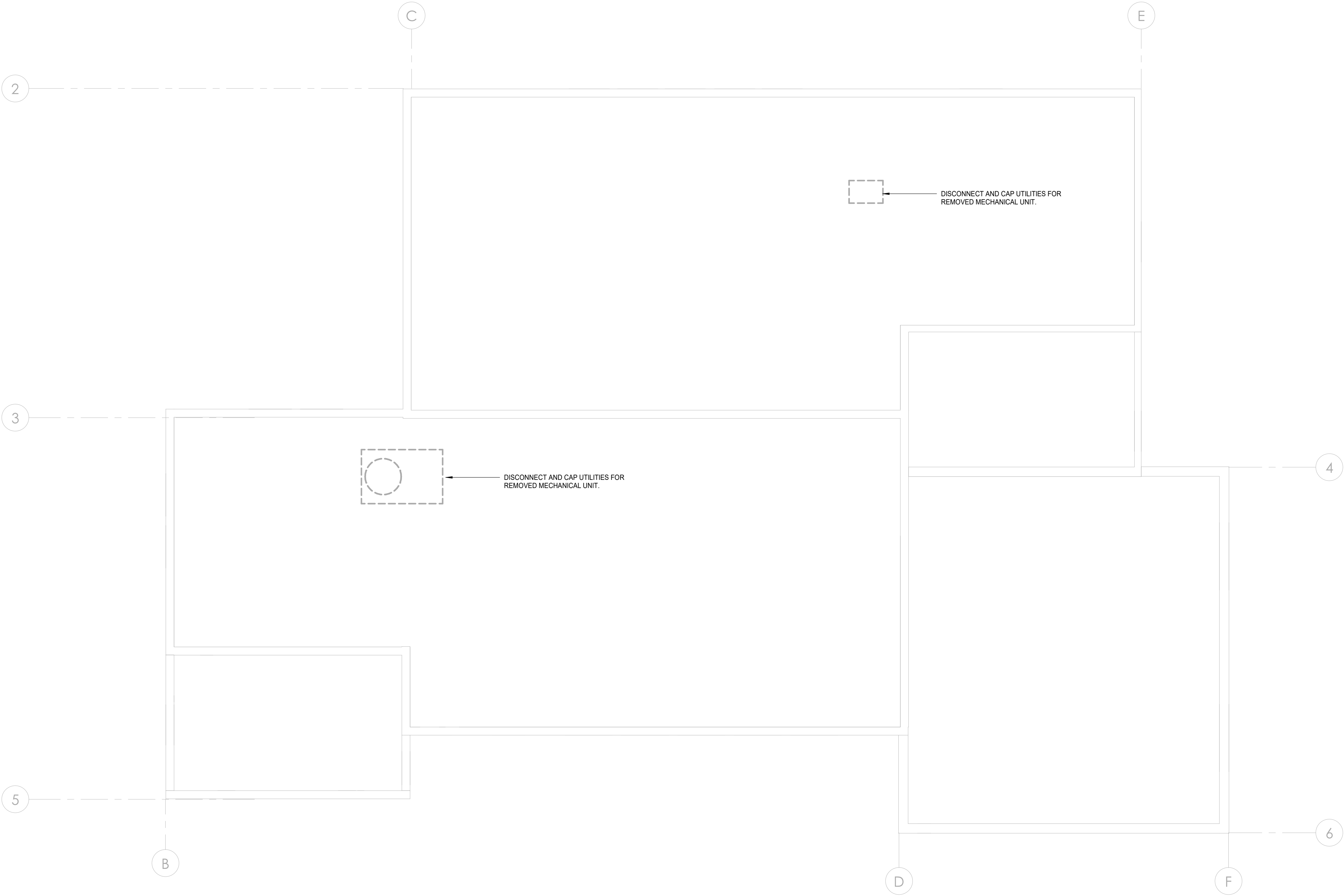
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CASA CASILLAS ARTIST SPACE
50 4TH AVENUE, CHULA VISTA, CA
PLUMBING DEMOLITION FLOOR PLAN

| | | | |
|--|--------------|-------|-------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | APPROVED BY: | DATE: | DRAWING NO. |
| CESAR RODRIGUEZ, P.E. MECHANICAL ENGINEER | | | P-101 |

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|--------------------|---|--------------|----------------------|-------------|----------|----|
| DATUM | DESIGNED BY: | | REFERENCES DWG. NO.: | | REVISION | |
| | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1981.35 | MB | OCV DWG No. 15024 | | | |
| | VERTICAL: NAVD88 | MB | | | | |
| SCALE | | DESIGNED BY: | | BY / DATE | | |
| HORIZONTAL: 1"=20' | | MB | | | | |
| VERTICAL: 1"=4' | | GT | | APPD / DATE | | |
| | | | | | 2. | 3. |



KEYNOTES

1

PLUMBING DEMOLITION ROOF PLAN

SCALE: 1/4" = 1'-0"

0

1'

2'


4'

8'


12'

SCALE: 1/4"=1'-0"

| | | | |
|---------------------|---------------|----------------|-------------|
| CONSTRUCTION RECORD | AS-BUILT | | |
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |



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11/11/22

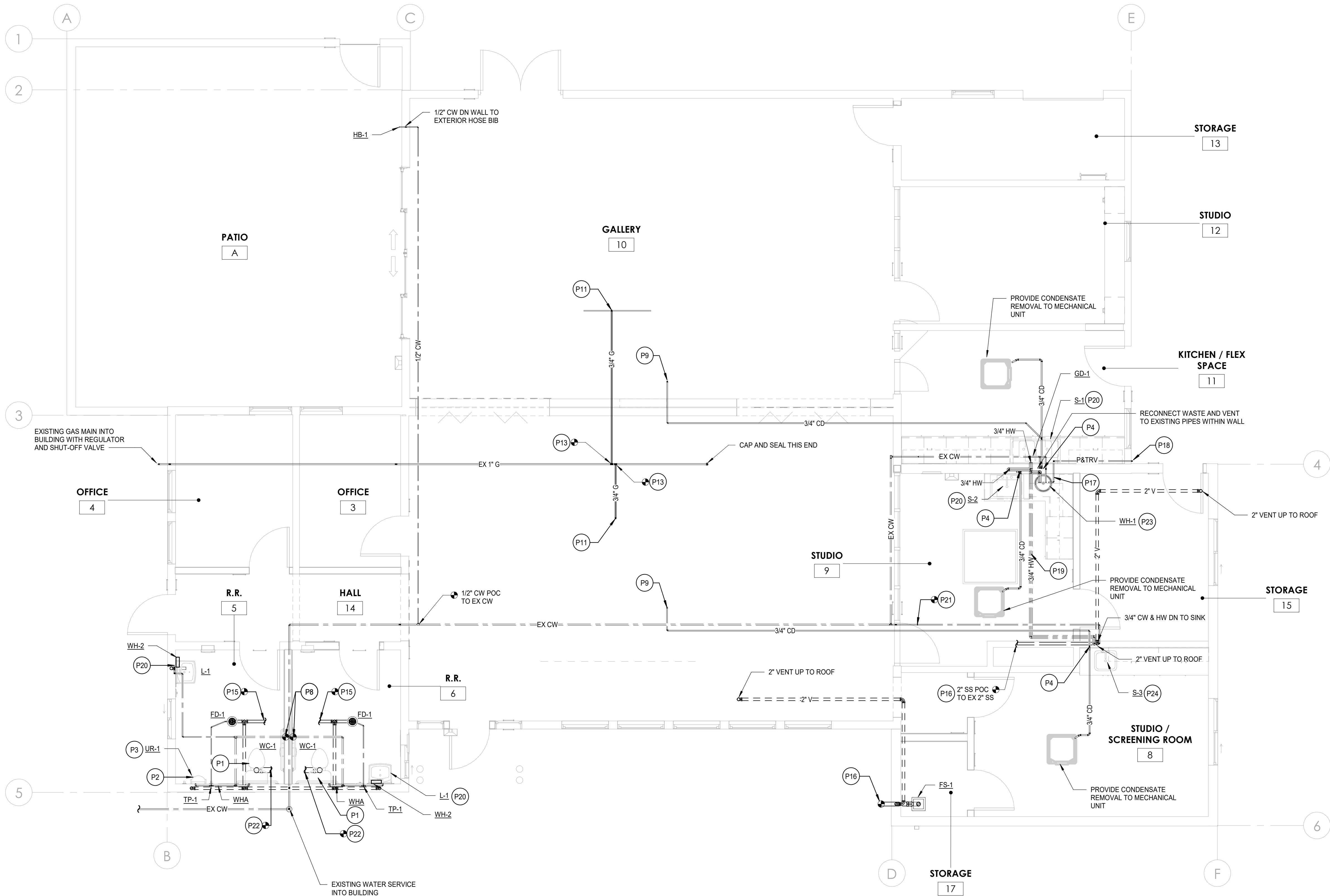
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92104



| | | | |
|---|--------------|-------|--------------------------|
| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE, CHULA VISTA, CA PLUMBING DEMOLITION ROOF PLAN | | | |
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | APPROVED BY: | DATE: | DRAWING NO. P-102 |
| | | | |
| CESAR RODRIGUEZ, P.E. MECHANICAL ENGINEER | | | |

| | | | | | | |
|----|----|--------------------------------------|---|--|--|---|
| 3. | 2. | REVISION BY / DATE APPD / DATE | REFERENCES DWG. NO.: CCV DWG No. 15024 | DESIGNED BY: MB DESIGNED BY: GT | SCALE HORIZONTAL: 1"=20' VERTICAL: 1"=4' | DATUM HORIZONTAL: CCS 83 ZONE 6, EPOCH 1981.35 VERTICAL: NAVD88 |
| | | | | | | |



1 PLUMBING FLOOR PLAN
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8' 12'
SCALE: 1/4"=1'-0"

| KEYNOTES | |
|----------|---|
| P1 | PROVIDE 4" SANITARY WASTE, 2" VENT, 1-1/4" CW. CONNECT TO EXISTING SANITARY SEWER BELOW GROUND. (CONTRACTOR FIELD VERIFY EXACT LOCATION) |
| P2 | PROVIDE 2" SANITARY WASTE, 2" VENT, 3/4" CW. CONNECT TO EXISTING SANITARY SEWER BELOW GROUND. (CONTRACTOR TO FIELD VERIFY EXACT LOCATION). |
| P3 | PROVIDE GLEANOUT ABOVE URINAL. |
| P4 | ROUTE CONDENSATE PIPING TO HOUSE SIDE OF SINK OR LAV TAILPIECE. SEE DETAIL 1/P5.2. |
| P8 | 1-1/4" CW POINT OF CONNECTION TO EXISTING DOMESTIC COLD WATER ABOVE CEILING.(CONTRACTOR TO FIELD VERIFY EXACT LOCATION). |
| P9 | PROVIDE 3/4" CD UP FROM MECHANICAL UNIT ON ROOF. |
| P11 | PROVIDE NEW 3/4" GAS UP TO MECHANICAL UNIT ON ROOF. |
| P13 | PROVIDE NEW 3/4" GAS POC TO EXISTING GAS LINE. |
| P15 | PROVIDE NEW 2" SS POC TO EXISTING SANITARY SEWER (CONTRACTOR TO FIELD VERIFY EXACT LOCATION). |
| P16 | PROVIDE NEW SS POC TO EXISITING SANITARY SEWER (CONTRACTOR TO FIELD VERIFY EXACT LOCATION). |
| P17 | PROVIDE TEMPERATURE AND PRESSURE RELIEF VALVE TO WATER HEATER. RUN FULL SIZE OF VALVE TO EXTERIOR. COMPLY WITH SECTION 608.5 CPC. |
| P18 | PROVIDE TEMPERATURE AND PRESSURE RELIEF DISCHARGE WITH THE END POINTING DOWNWARDS AND 6" MINIMUM ABOVE GROUND. COMPLY WITH 608.5 CPC. |
| P19 | HOT WATER PIPE. PROVIDE INSULATION PER 609.11 CPC. |
| P20 | PROVIDE NEW CONNECTIONS FROM EXISTING WATER, WASTE AND VENT ROUGH-IN TO NEW FIXTURE. MODIFY, EXTEND AND PROVIDE NEW PIPING AS REQUIRED. FOR SINKS AND LAVATORIES PROVIDE NEW QUARTER TURN ANGLE STOPS AND STAINLESS STEEL FLEXIBLE CONNECTORS. TYPICAL. |
| P21 | 3/4" CW POINT OF CONNECTION TO EXISTING DOMESTIC COLD WATER ABOVE CEILING. CONTRACTOR TO FIELD VERIFY EXACT LOCATION. |
| P22 | PROVIDE NEW 4" SS POC TO EXISTING SANITARY SEWER BELOW FLOOR. CONTRACTOR TO FIELD VERIFY EXACT LOCATION. |
| P23 | PROVIDE WATER HEATER BELOW COUNTER. SEE DETAIL 1/P-300 |
| P24 | PROVIDE NEW CONNECTIONS FOR COLD AND HOT WATER, WASTE AND VENT ROUGH-IN TO NEW FIXTURE. PROVIDE NEW QUARTER TURN ANGLE STOPS AND STAINLESS STEEL FLEXIBLE CONNECTORS. |


| CONSTRUCTION RECORD | | AS-BUILT | |
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| INSPECTOR: | PRINTED NAME: | ARCHITECT NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |

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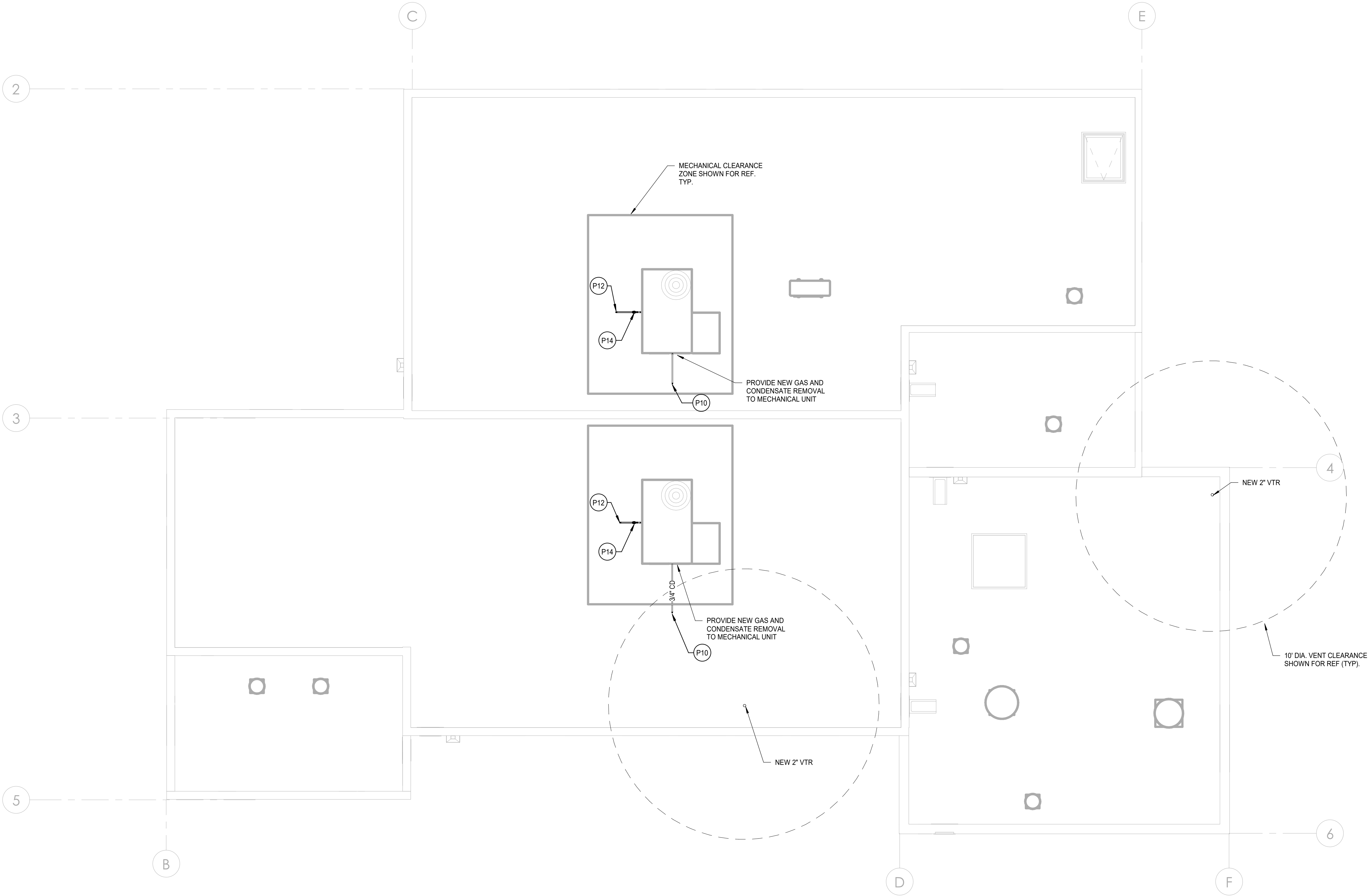
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|---|--------------|---|--|
| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA PLUMBING FLOOR PLAN | | | |
| | |  | CITY OF CHULA VISTA PUBLIC WORKS 1800 MAXWELL ROAD, CHULA VISTA, CA WWW.CHULAVISTACA.GOV |
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | APPROVED BY: | DATE: | DRAWING NO. |
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|--|---|--|--------------------|--------------|----------------------|--|----------|----|----|-------------|
| | DATE | | SCALE | DESIGNED BY: | REFERENCES DWG. NO.: | | REVISION | 2. | 3. | |
| | | | | MB | | | | | | BY / DATE |
| | HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 | | HORIZONTAL: 1"=20' | MB | CCV DWG No. 15024 | | | | | APPD / DATE |
| | VERTICAL: NAVD88 | | VERTICAL: 1"=4' | GT | | | | | | |



| KEYNOTES | |
|----------|---|
| P10 | PROVIDE 3/4" CD DN TO CEILING SPACE BELOW. |
| P12 | PROVIDE NEW 3/4" GAS DOWN TO CEILING SPACE BELOW. |
| P14 | PROVIDE NEW 3/4" GAS SHUT-OFF VALVE. |

1 PLUMBING ROOF PLAN
SCALE: 1/4" = 1'-0"

0 1' 2' 4' 8' 12'

SCALE: 1/4"=1'-0"

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|----------------|-------------|
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| DATE COMPLETED: | | | |

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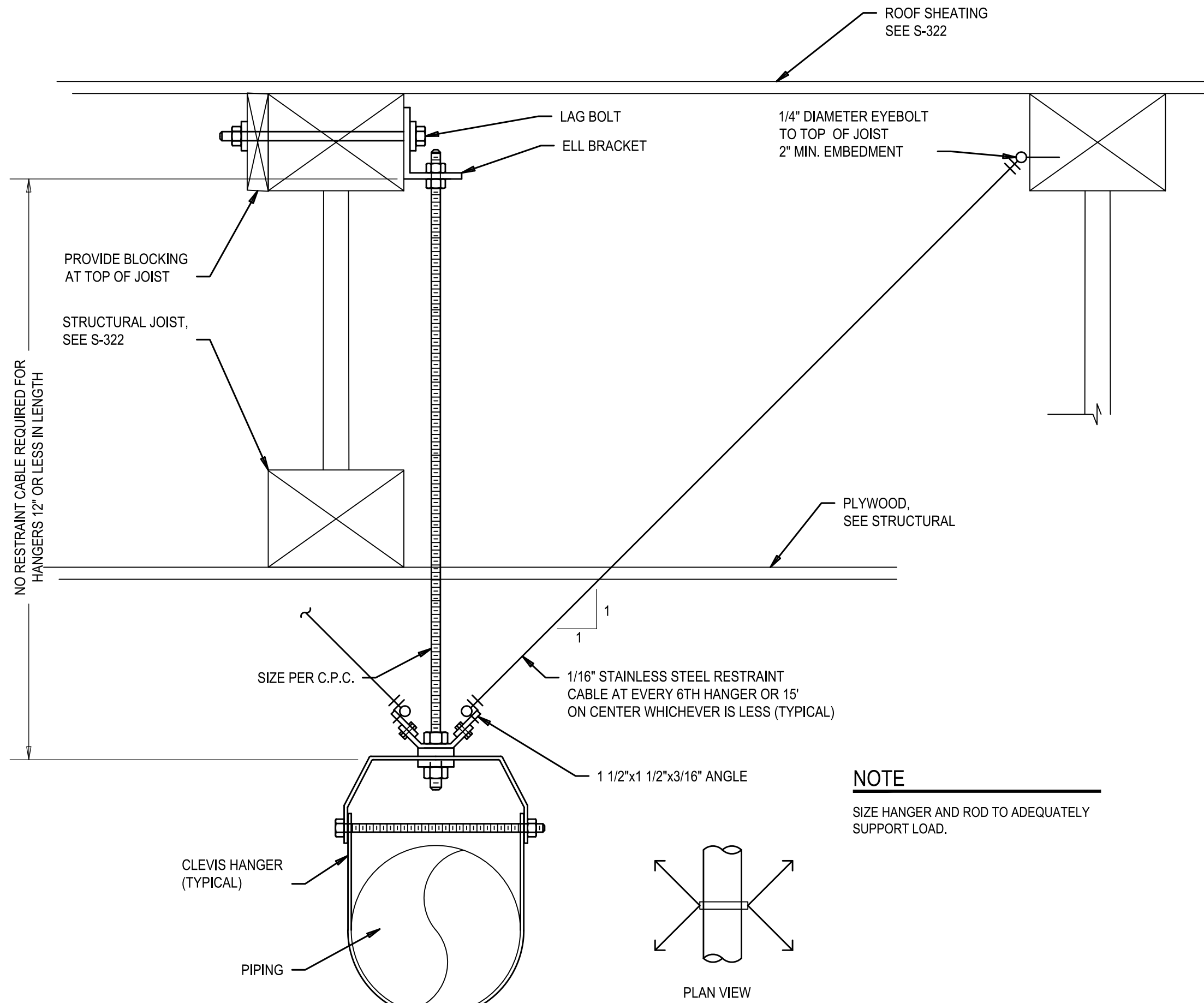
CESAR RODRIGUEZ
REGISTERED PROFESSIONAL ENGINEER
M33447
exp. 06/30/24
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| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE, CHULA VISTA, CA PLUMBING ROOF PLAN | | | |
|--|--|--------------|-------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. |
| CESAR RODRIGUEZ, P.E. MECHANICAL ENGINEER | | DATE: | P-202 |

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| 3. | 2. | 1. | REVISION BY / DATE APPD / DATE |
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| DATUM HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 VERTICAL: NAVD83 | DATUM HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 VERTICAL: NAVD83 | DATUM HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 VERTICAL: NAVD83 | DATUM HORIZONTAL: CCS '83 ZONE 6, EPOCH 1991.35 VERTICAL: NAVD83 |

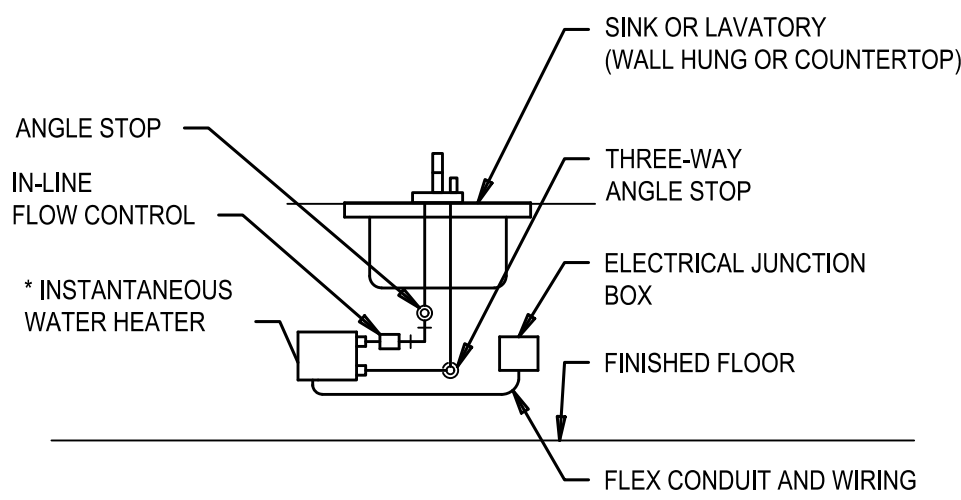


PIPE SUPPORT DETAIL

NO SCALE

7

P-300



* PROVIDE MOUNTING TO WALL AND LOCATE BELOW FIXTURE AS HIGH AS POSSIBLE. MAINTAIN ACCESSIBLE FIXTURE CLEARANCES.

NOTE

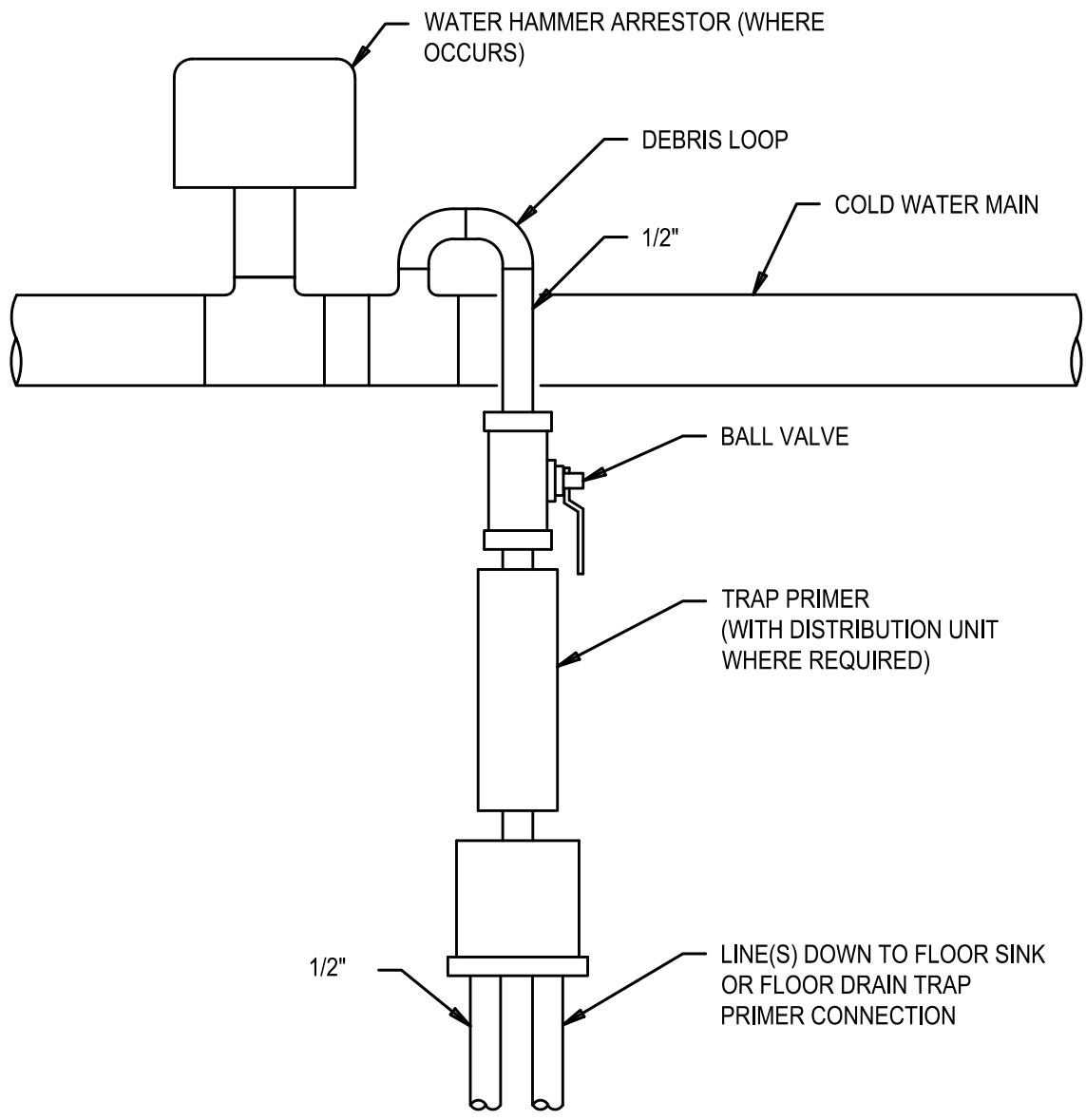
JUNCTION BOX, CONDUIT AND WIRING BY ELECTRICAL.

INSTANTANEOUS WATER HEATER DETAIL

NO SCALE

8

P-300

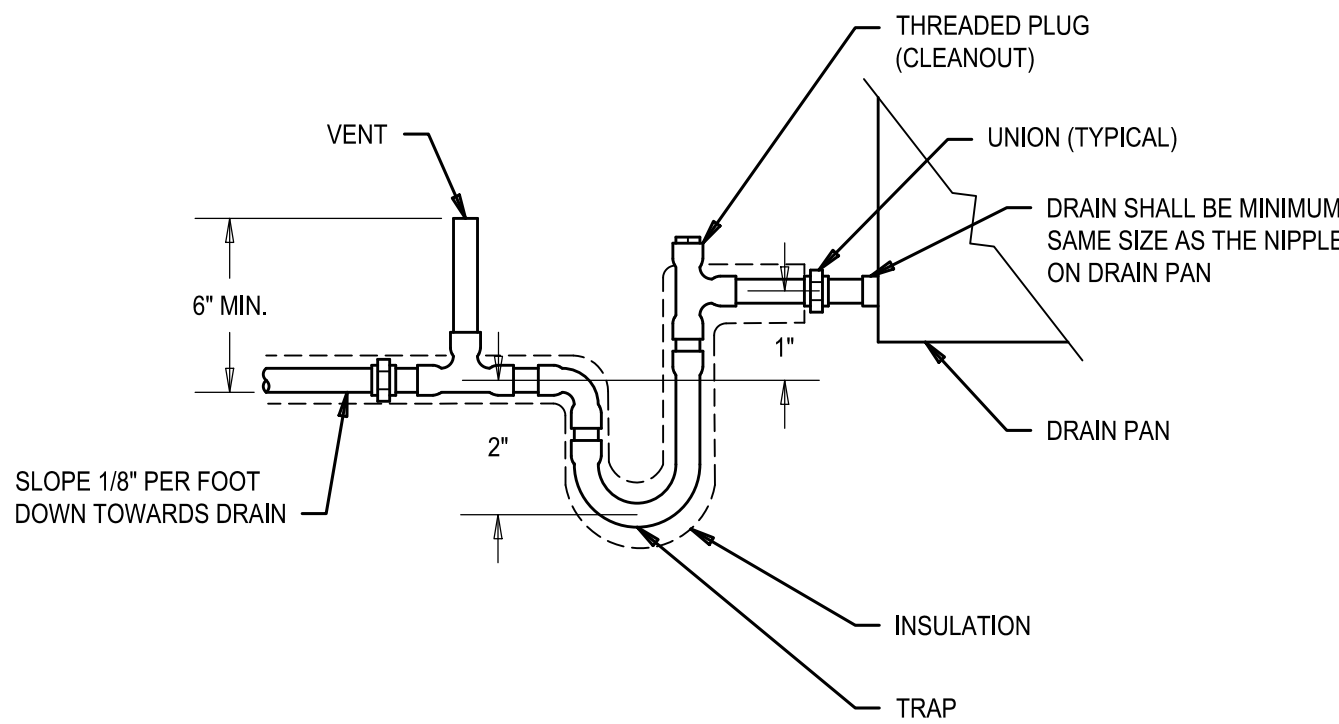


TRAP PRIMER DETAIL

NO SCALE

4

P-300

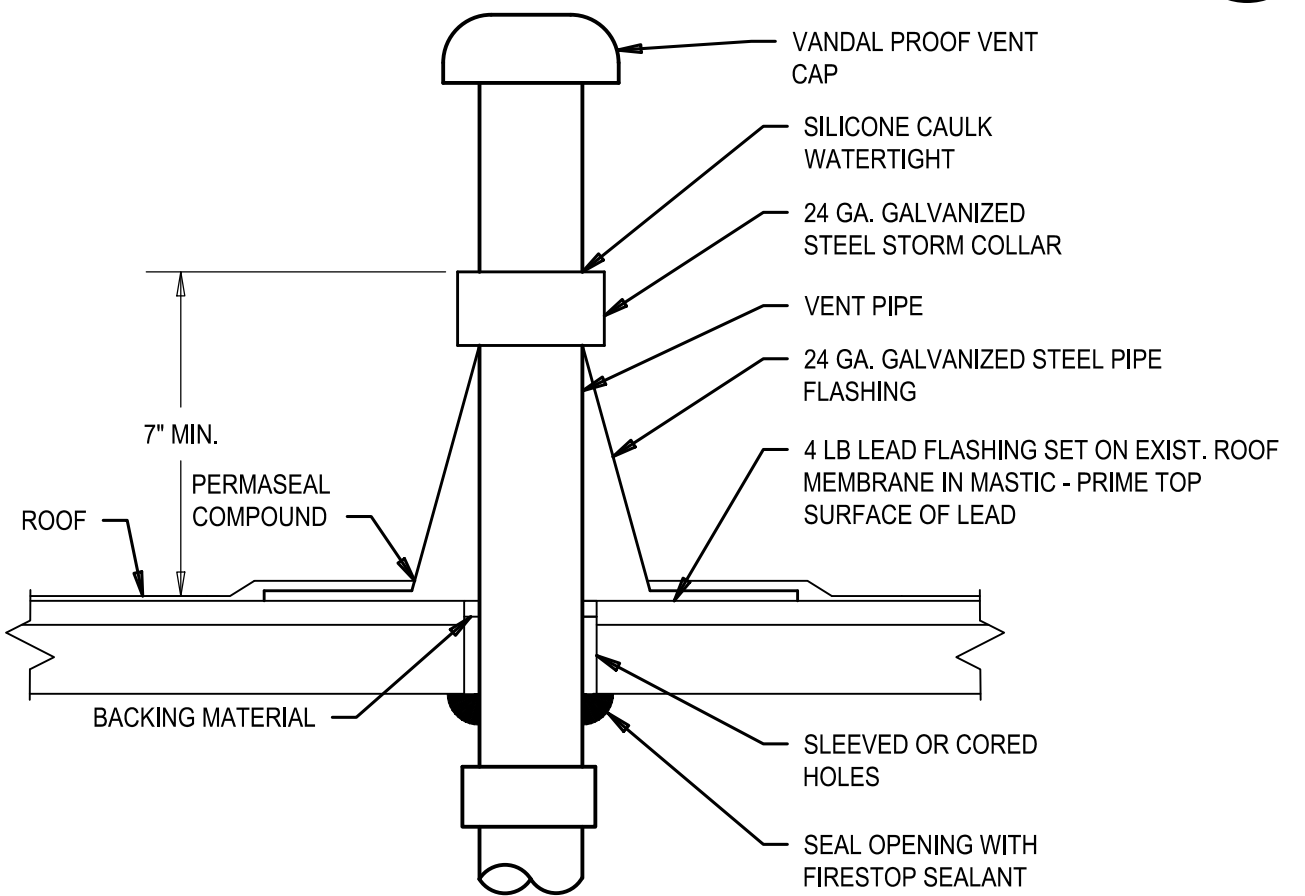


CONDENSATE DRAIN DETAIL

NO SCALE

5

P-300

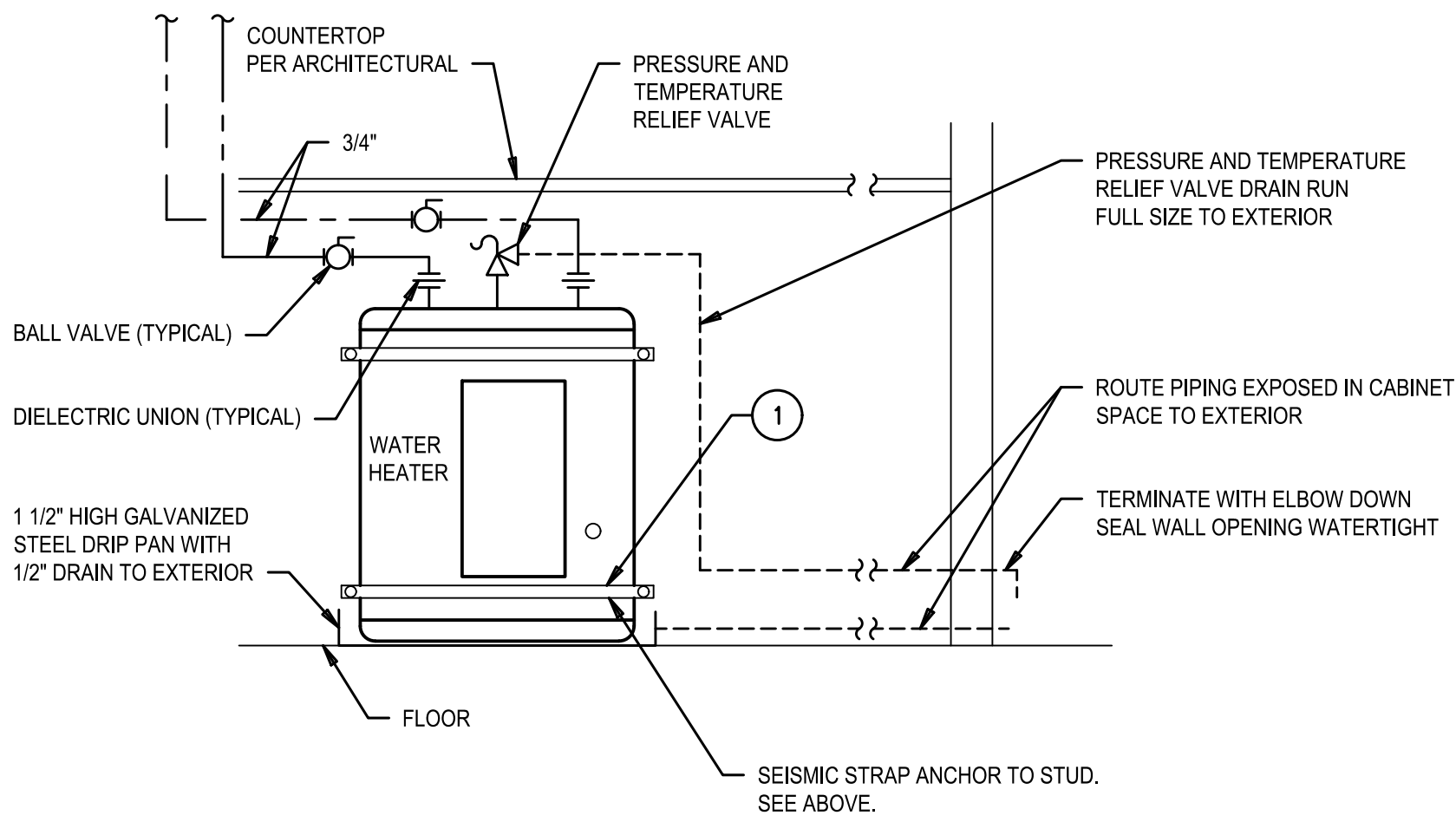


VENT THRU ROOF DETAIL

NO SCALE

6

P-300



DETAIL KEYNOTES

1

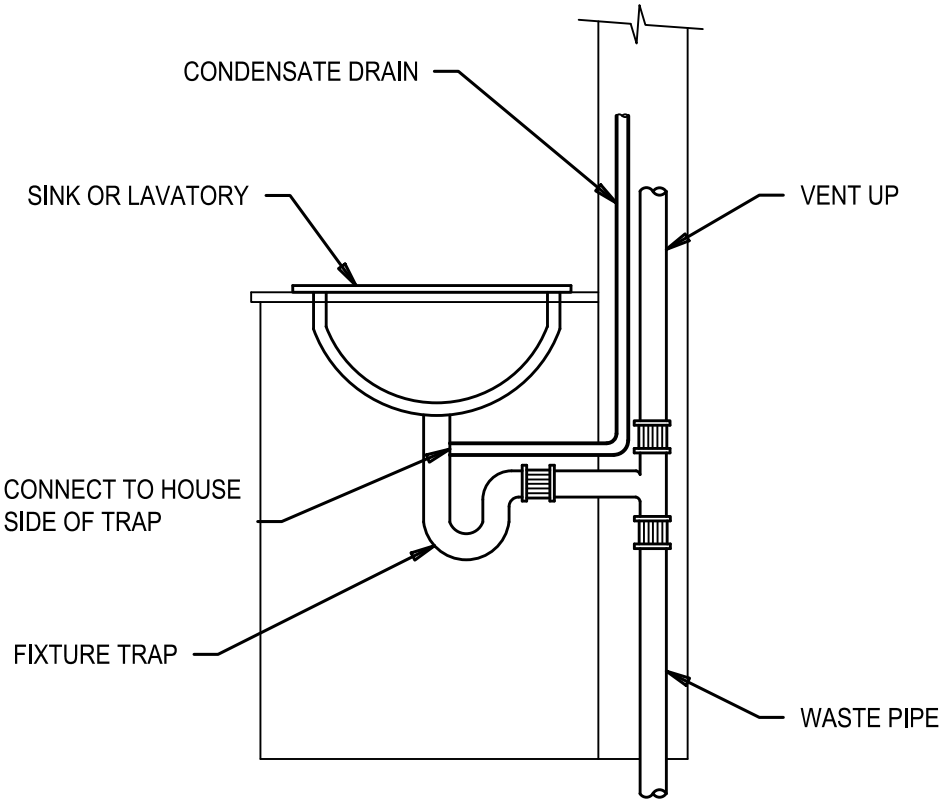
QS-50 HOLDRITE QUICK STRAP SEISMIC STRAP AROUND HEATER PER IAPMO #4744 WITH 1/4" DIAMETER x 2-1/2" LONG LAG SCREWS TO 3x BLOCKING EACH SIDE, FOUR (4) BOLTS TOTAL FOR EACH STRAP. SEE SKETCH ABOVE FOR WOOD BLOCK DETAIL. (TYPICAL).

WATER HEATER WH-1 DETAIL

NO SCALE

1

P-300

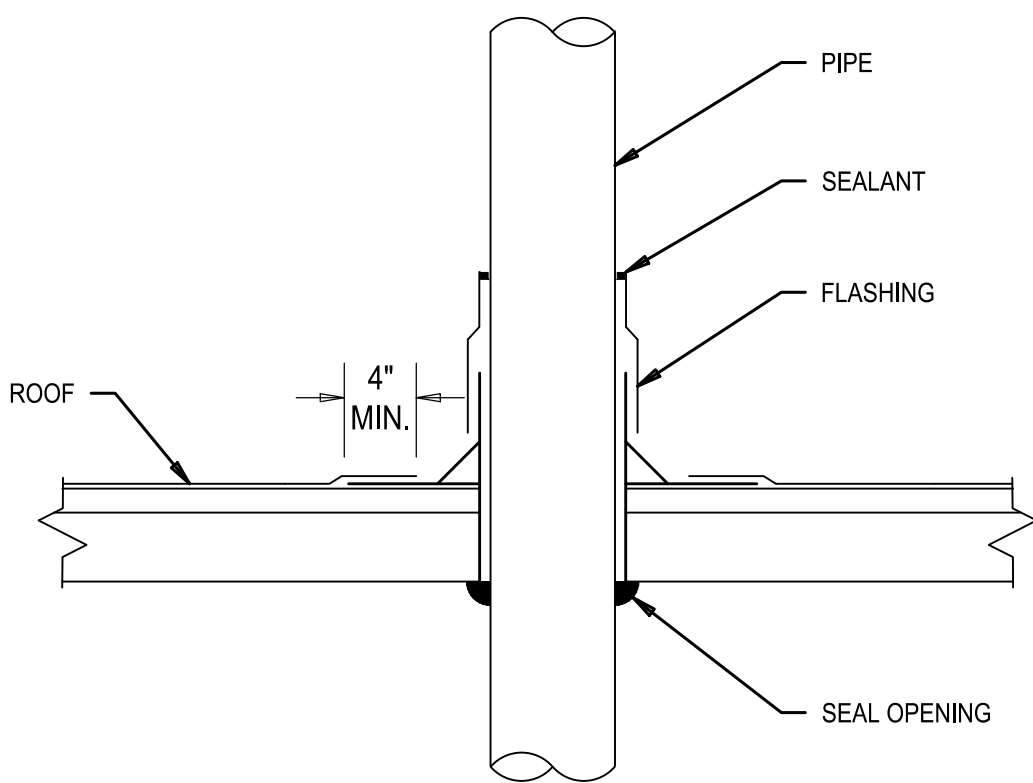


CONDENSATE TO SINK TRAP DETAIL (DRAINS TO SEWER)

NO SCALE

2

P-501




ROOF PENETRATION DETAIL

NO SCALE


3

P-300

| | | | |
|---------------------|---------------|------------|-------------|
| CONSTRUCTION RECORD | SIGNED: | DATE: | DISCIPLINE: |
| CONTRACTOR: | PRINTED NAME: | ARCHITECT: | EXPIRATION: |
| INSPECTOR: | | | |
| DATE COMPLETED: | | | |



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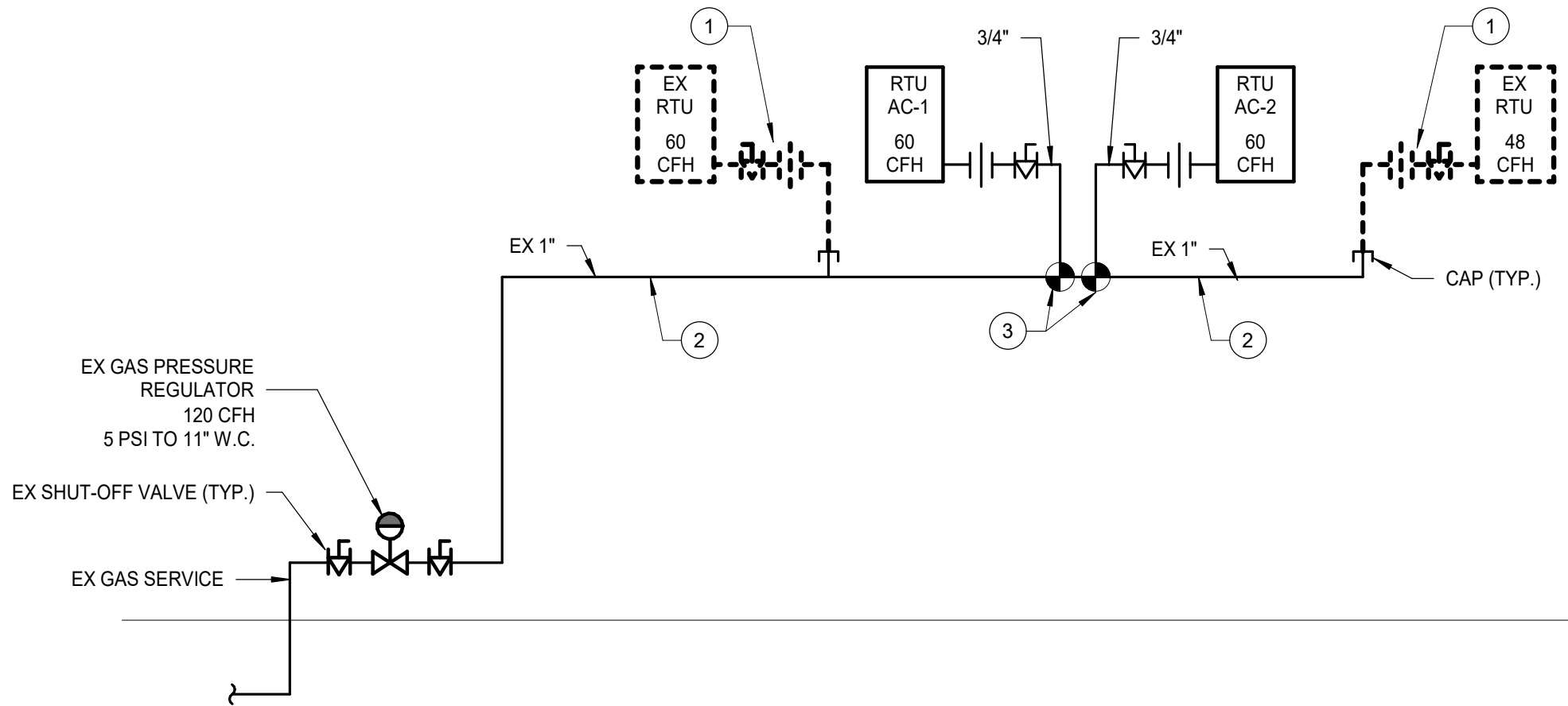
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SAN DIEGO, CALIFORNIA
92104



| | | | |
|--|--------------|-------|-------------|
| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA PLUMBING DETAILS | | | |
| RESPONSIBLE CHARGE OF WORK: DATE: 12/23/2022 | APPROVED BY: | DATE: | DRAWING NO. |
| CESAR RODRIGUEZ, P.E. MECHANICAL ENGINEER | | | P-300 |



- KEYNOTES:
- 1 REMOVE (EX) GAS PIPING, VALVES AND CONNECTION TO UNITS
 - 2 EXISTING TO REMAIN
 - 3 PROVIDE NEW CONNECTOIN TO (EX) PIPING WITH PIPE TRANSITIONS AND FITTINGS AS REQUIRED.

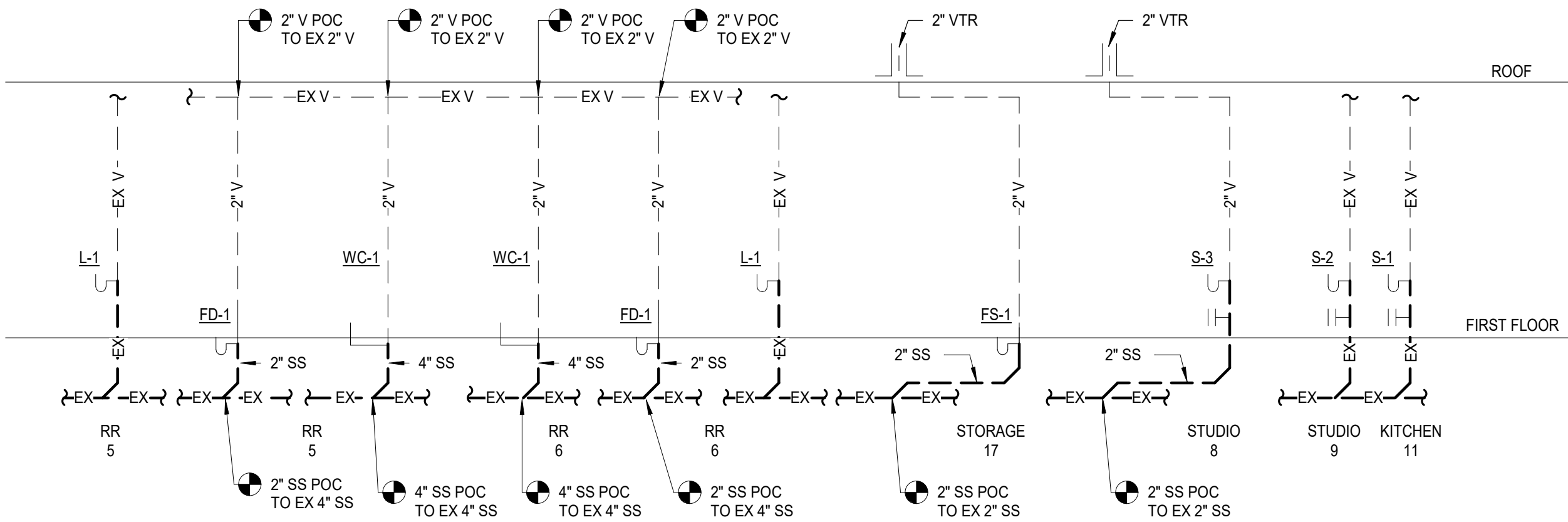
LENGHT OF PIPE FROM GAS METER TO MOST REMOTE OUTLET: 66 FT.

TOTAL DEVELOPED LENGTH = 100 FT.

NOTE:
FOR TYPICAL GAS SUPPLY CONNECTION TO EQUIPMENT SEE DETAIL 3/PD-1.0.2

1 GAS RISER DIAGRAM

SCALE: NONE



NOTE: FIELD VERIFY ALL EXISTING PIPE LOCATIONS AND SIZES

2 WASTE AND VENT RISER DIAGRAM

SCALE: NONE


GAS CALCULATIONS


| DESCRIPTION | QUANTITY | BTUH INPUT EACH | TOTAL BTUH INPUT |
|--|----------|-----------------|------------------|
| ROOF TOP UNIT AC-1 | 1 | 60,000 | 60,000 |
| ROOF TOP UNIT AC-2 | 1 | 60,000 | 60,000 |
| NEW BTUH INPUT TOTAL | | | 120,000 |
| NEW CFH INPUT - (TOTAL BTUH / 1000) | | | 120 CFH |
| TOTAL EQUIVALENT LENGTH OF NEW PIPE (LENGTH x 1.5) | | | 100' |
| MAIN GAS LINE SIZE | | | 1" |
| GAS PIPING SIZED PER 2019 C.P.C. TABLE 1215.2(1) INLET PRESSURE: LESS THAN 2 P.S.I. PRESSURE DROP: 0.5 IN W.C. SPECIFIC GRAVITY: 0.60 | | | |

GAS SYSTEM NOTES

- SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH THE 2019 CALIFORNIA PLUMBING CODE.
- PIPING SHALL BE SIZED IN ACCORD WITH TABLE 1215.2(1) OF THE 2019 CALIFORNIA PLUMBING CODE.
- OBTAIN APPLIANCE BTUH REQUIREMENTS FROM OWNER PRIOR TO INSTALLATION.
- COORDINATE GAS SYSTEM REQUIREMENTS PRIOR TO COMMENCEMENT OF WORK.
- FIELD VERIFY CFH OR BTUH DEMAND OF EACH GAS FIRED APPLIANCE OR EQUIPMENT. IF GAS DEMAND IS UNKNOWN, ADJUST PIPE SIZING PER TABLE 1208.4.1 OF THE 2019 CALIFORNIA PLUMBING CODE AND SUBMIT A REVISED PLAN TO THE PLANNING DEPARTMENT FOR APPROVAL.
- COORDINATE ROUTING OF ABOVE GRADE PIPING IN RELATION TO STRUCTURE, HVAC DUCTWORK AND OTHER POTENTIAL OBSTRUCTIONS WITH GENERAL CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.
- CLEAN AND PURGE EXISTING PIPING IN ACCORD WITH NFPA 54 AND AS REQUIRED BY LOCAL CITY AND UTILITY REQUIREMENTS.
- WHERE REQUIRED, REDUCE GAS PRESSURE AT APPLIANCE OR EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.

| CONSTRUCTION RECORD | | AS-BUILT | |
|---------------------|---------------|----------------|-------------|
| CONTRACTOR: | SIGNED: | DATE: | DISCIPLINE: |
| INSPECTOR: | PRINTED NAME: | ARCHITECT NO.: | EXPIRATION: |
| DATE COMPLETED: | | | |

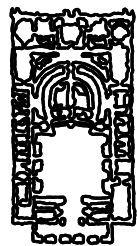
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12/22/2022 3:47:17 PM



REGISTERED PROFESSIONAL ENGINEER
CESAR RODRIGUEZ
M33447
exp. 06/30/24
MECHANICAL
STATE OF CALIFORNIA
11/11/22

Platt/Whitelaw
Architects, Inc.

4034 30TH STREET
SAN DIEGO, CALIFORNIA
92104



| CASA CASILLAS ARTIST SPACE 50 4TH AVENUE. CHULA VISTA, CA PLUMBING RISER DIAGRAMS | | | |
|---|--|--------------|-------------|
| RESPONSIBLE CHARGE OF WORK: DATE:12/23/2022 | | APPROVED BY: | DRAWING NO. |
| CESAR RODRIGUEZ, P.E. MECHANICAL ENGINEER | | DATE: | P-400 |