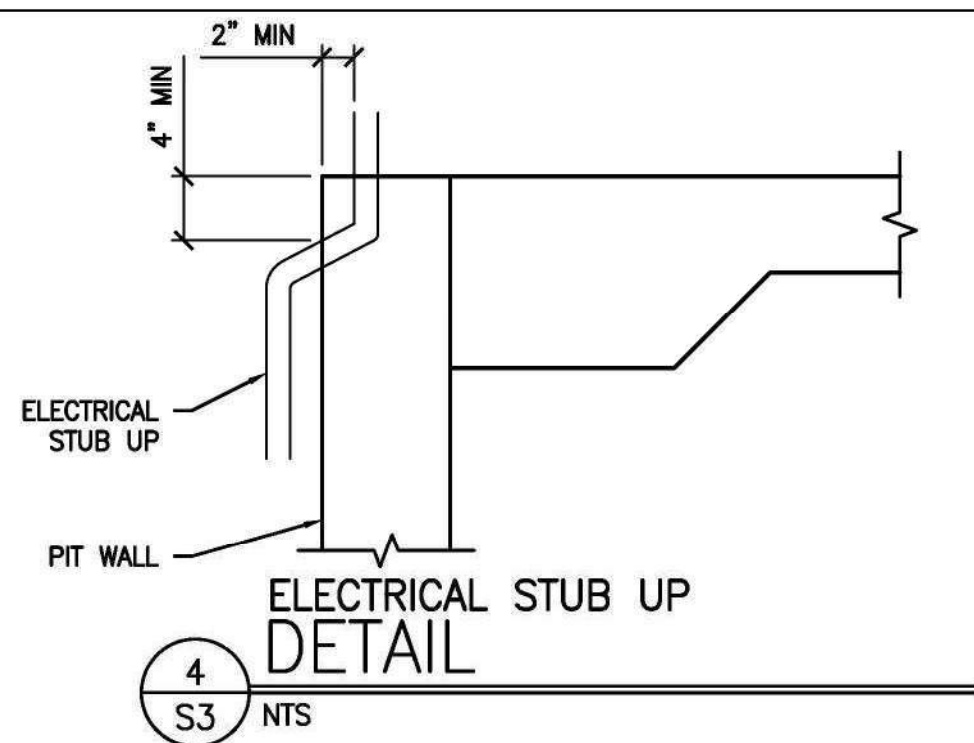
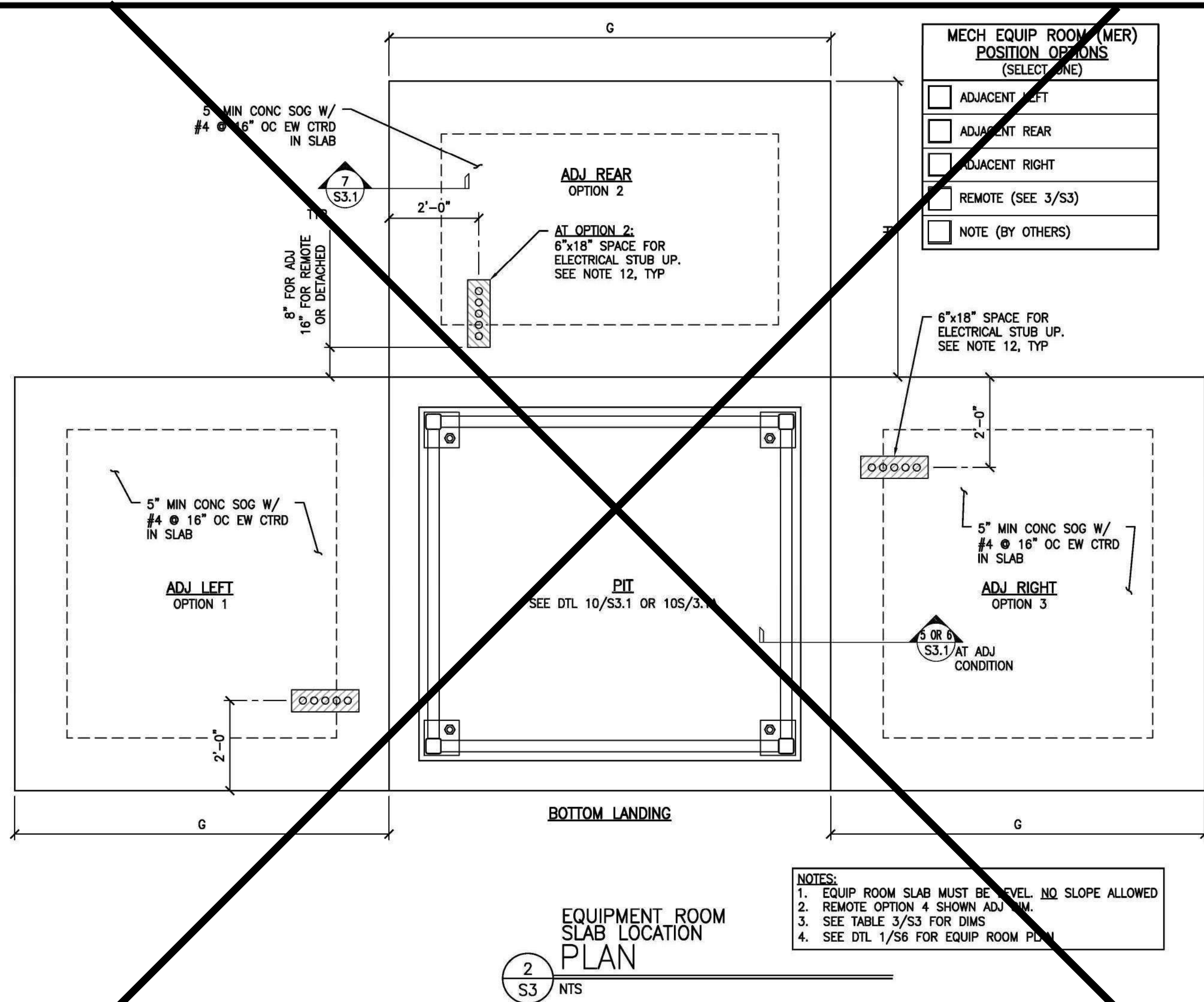


ANCHOR BOLT LAYOUT PLAN

NOTE: SEE TABLE 2/S3 FOR DIMS



ELECTRICAL STUB UP DETAIL



EQUIPMENT ROOM SLAB LOCATION PLAN

NOTES:  
1. EQUIP ROOM SLAB MUST BE LEVEL. NO SLOPE ALLOWED  
2. REMOTE OPTION 4 SHOWN ADJ. MIN.  
3. SEE TABLE 3/S3 FOR DIMS  
4. SEE DTL 1/S6 FOR EQUIP ROOM PLAN

HOISTWAY SELECTION			
(SELECT ONE HOISTWAY & ONE ELEVATOR MODEL)			
HOISTWAY SIZE (APPROX INSIDE CLR)	<input type="checkbox"/> HW-1 7'-6"W x 6'-10"D	<input checked="" type="checkbox"/> HW-2 8'-6"W x 6'-10"D	<input type="checkbox"/> HW-3 9'-2"W x 6'-10"D
ELEVATOR MODEL	<input type="checkbox"/> 2000R	<input type="checkbox"/> 2500R	<input type="checkbox"/> 3000 R/G
R = REVERSE OPG	<input type="checkbox"/> 2500	<input checked="" type="checkbox"/> 3000	<input type="checkbox"/> 3500 G
G = CBC 2016 GURNEY COMPLIANT		<input type="checkbox"/> 3500 G	<input type="checkbox"/> 4000

REFERENCE TABLE 1, 1/VT/3 FOR ELEVATOR SIZES

SOIL PROPERTIES		REQ DIMS	
ALLOWABLE* NET BEARING PRESSURE AT 12" (PSF)	ALLOWABLE* PASSIVE PRESSURE (PCF)	A	B
<input type="checkbox"/> 1500 (1)	100	16'-4"	16'-8"
<input type="checkbox"/> 2000 (2)	150	15'-6"	15'-8"
<input checked="" type="checkbox"/> 3000 (2)	200	15'-0"	15'-6"
<input type="checkbox"/> 4000 (2)	400	14'-6"	15'-0"

\* BASIC UNFACTORED ALLOWABLE VALUE AT 12" MIN DEPTH BLW UNDISTURBED GROUND SURFACE  
(1) VALUE ALLOWED FOR DEAD + LIVE LOADS IF NO SOILS REPORT  
(2) VALUE ALLOWED FOR DEAD + LIVE LOADS WHEN JUSTIFIED BY A SOIL REPORT

TABLE 2 - PIT DIMS & AB LOCATIONS				
DIMS	DESCRIPTION	<input type="checkbox"/> HW-1	<input checked="" type="checkbox"/> HW-2	<input type="checkbox"/> HW-3
C	CLEAR PIT	8'-6"	9'-6"	10'-2"
D	CLEAR PIT	7'-10 1/4"	7'-10 1/4"	7'-10 1/4"
E	AB	7'-1 1/2"	8'-1 1/2"	8'-8 1/2"
F	AB	6'-5 3/4"	6'-5 3/4"	6'-5 3/4"

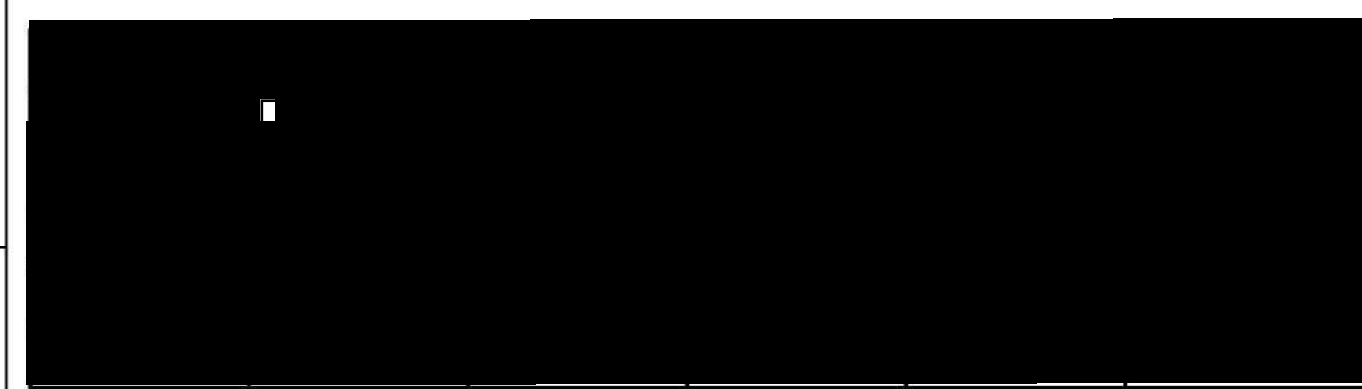
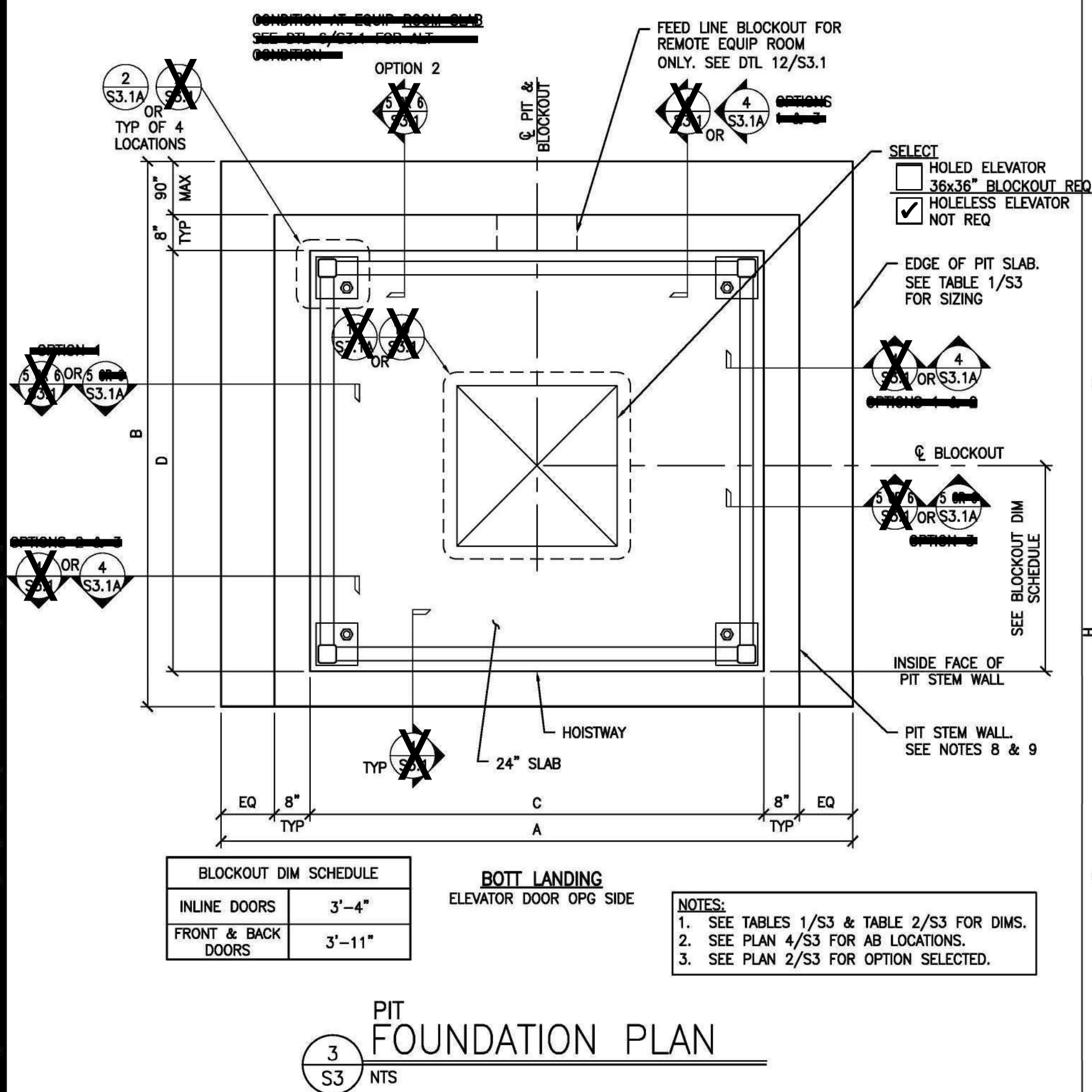


TABLE 3A - POST-INSTALLED ANCHORS TO CONC								
MFR	ANCHOR TYPE	ANCHOR DIA (IN)	MIN EFFECTIVE EMBEDMENT (IN) <sup>1</sup>	MIN NOMINAL EMBEDMENT (IN)	MIN EDGE/END DISTANCE (IN) <sup>2</sup>	INSTALLATION TORQUE (FT-#) <sup>3</sup>	NOMINAL APPLIED SHEAR LOAD <sup>4</sup>	ICC-ES ESR
HILTI	KB-TZ	3/8	2	2 5/16	4	25	200	1917
HILTI	KB-TZ	5/8	4	4 7/16	7	60	200	1917
HILTI	KWIK HUS EZ	3/8	2.5	3 1/4	4	40	200	3027
HILTI	KWIK HUS EZ	5/8	3.88	5	7	85	200	3027
SIMPSON STRONGTIE	STRONG-BOLT 2	3/8	2 1/2	2 7/8	4	30	200	3037
SIMPSON STRONGTIE	STRONG-BOLT 2	5/8	4 1/2	5.125	7	80	200	3037
SIMPSON STRONGTIE	TITEN HD	3/8	2.4	3 1/4	4	50	200	2713
POWERS	POWER-STUD+SD1	3/8	2	2 3/8	4	20	200	2818
POWERS	POWER-STUD+SD1	5/8	4	4 5/8	7	80	200	2818

1. PER ICC-ES ESR  
2. PER DESIGN DRAWINGS, NOT ICC-ES ESR  
3. APPLIED TOWARDS NEAREST FREE EDGE OF CONCRETE.  
4. APPLIED TOWARDS NEAREST FREE EDGE OF CONCRETE SUBSTRATE IS SUFFICIENTLY THICK W/ RESPECT TO THE ANCHOR EMBEDMENT SO AS NOT TO BE INFLUENCE TO THE CONNECTION

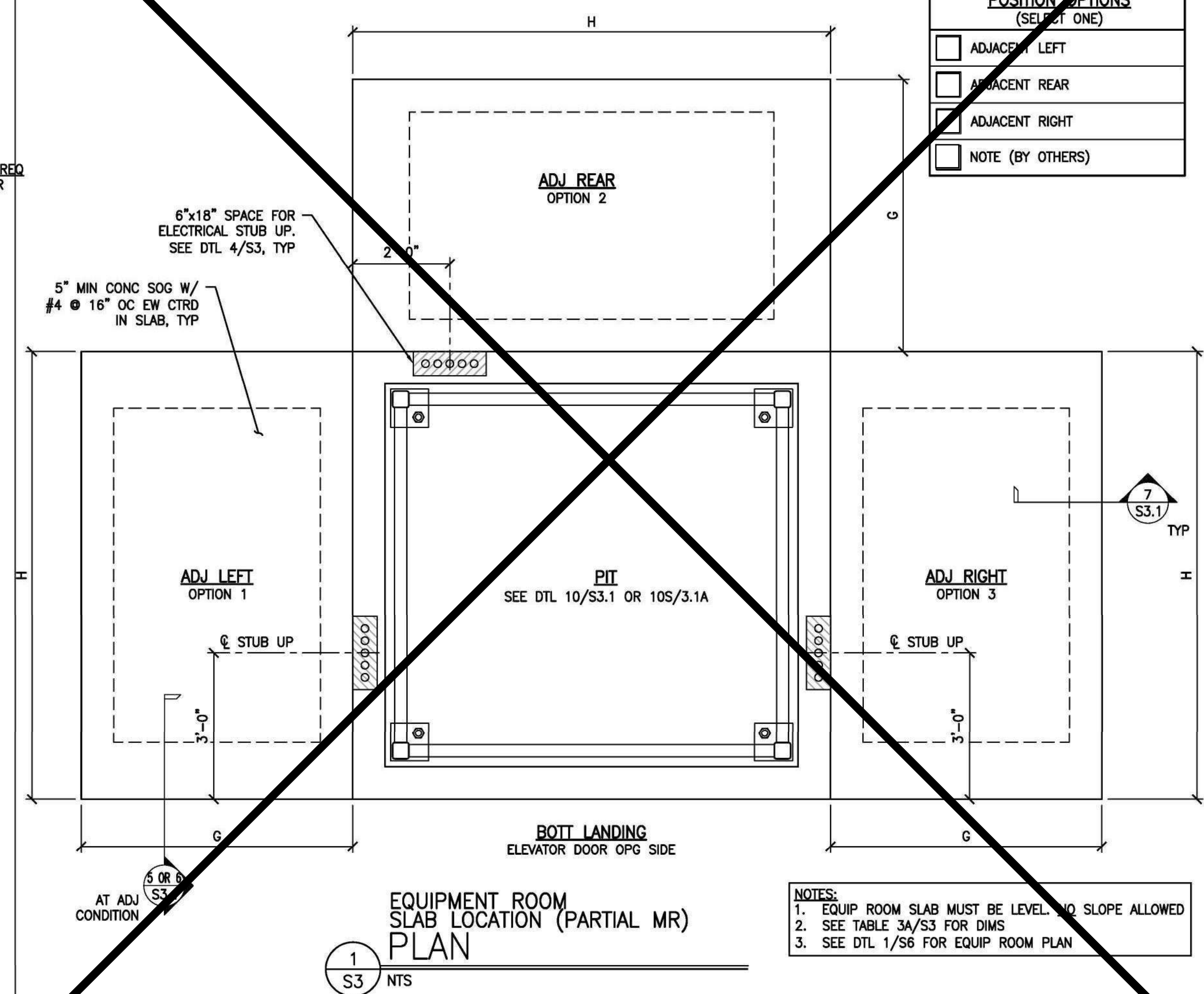
- NOTES:  
1. FOUNDATION CONSTRUCTION TO BE PERFORMED BY OTHERS & IS NOT PART OF THE ELEVATOR CONTRACTOR'S WORK.  
2. EQUIP ROOM IS OPTIONAL & MAY BE PROVIDED BY OTHERS.  
3. GROUNDING OF STRUCTURES BY OTHERS.  
4. EQUIP ROOM SLAB MAY EXTEND BEYOND DIMS SHOWN. THICKENED FTGS BLW EQUIP ROOM WALLS TO CONFORM TO DIMS SHOWN ON DTL 7/S3.1  
5. PIT SLAB MAY EXTEND BYD EXTR FACE OF WALL ON SIDES SHOWN, SEE TABLE 1 ON SHT S3 FOR SLAB SIZE.  
6. ARCH OR SEOR TO DETERMINE IF SOIL NET BEARING PRESSURES GREATER THAN 1500 PSF (UNFACTORED) & LATERAL PASSIVE RESISTANCE PRESSURES GREATER THAN 100 PCF (UNFACTORED) ARE ALLOWABLE. PIT SLAB AS SHOWN IN TABLE 1 ON SHT S3 FOR 1500 PSF BEARING PRESSURE & 100 PCF PASSIVE PRESSURE SHALL BE USED IF AN ACCEPTABLE SOIL INVESTIGATION REPORT IS NOT AVAILABLE THAT RECOMMENDS GREATER SOIL RESISTANCE VALUES.  
7. AB TEMPLATE MUST BE PROVIDED BY ELEVATOR CONTRACTOR. RESPONSIBILITY FOR PROPER AB PLACEMENT IS BY OTHERS.  
8. PIT STEM WALLS MAY BE POSITIONED TO SUIT JOBSITE CONDITIONS AT ANY POSITION WITHIN THE CONFINES OF THE PIT SLAB  
9. FLUSH PIT SLAB TO STEM WALL CONDITION MAY OCCUR AT ANY WALL. MAX CONDITION MAY OCCUR ON TWO WALLS.  
10. AB TEMPLATE TO BE CTED IN PIT  
11. TIE BOTTS OF AB'S TO REBAR PRIOR TO POURING SLAB TO MAINTAIN PLUMB.  
12. POSITION STUB UP NEXT TO WALL THAT WILL BE ADJ TO THE HOISTWAY. FOR REMOTE MACHINE ROOM, POSITION NEXT TO WALL OPPOSITE MACHINE ROOM DOOR. SEE DTL 12/S3.1 FOR FEEDLINE BLOCKOUT  
13. ALL GT TO BE RAPID SET CEMENT ALL-HIGH STRENGTH NSG OR EQ & CONFORM TO ASTM-C-1107.



PIT FOUNDATION PLAN

NOTES:  
1. SEE TABLES 1/S3 & TABLE 2/S3 FOR DIMS.  
2. SEE PLAN 4/S3 FOR AB LOCATIONS.  
3. SEE PLAN 2/S3 FOR OPTION SELECTED.

BLOCKOUT DIM SCHEDULE	
INLINE DOORS	3'-4"
FRONT & BACK DOORS	3'-11"



EQUIPMENT ROOM SLAB LOCATION PLAN (PARTIAL MR)

NOTES:  
1. EQUIP ROOM SLAB MUST BE LEVEL. NO SLOPE ALLOWED  
2. SEE TABLE 3A/S3 FOR DIMS  
3. SEE DTL 1/S6 FOR EQUIP ROOM PLAN

NO.	DATE	REVISION

S.E. PC APPROVAL



MODULAR ELEVATOR  
MANUFACTURING, INC.  
P.O. BOX 3998  
CHATSORTH, CA. 91313  
800-755-9359

PRE-CHECK (PC) DOCUMENTS  
2016 CBC CODE  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

THIS INFORMATION IS CONFIDENTIAL AND REMAINS THE PROPERTY OF MODULAR ELEVATOR MANUFACTURING, INC. ITS USE, REPRODUCTION OF, OR DISSEMINATION WITHOUT THE EXPRESS PERMISSION OF MODULAR ELEVATOR MANUFACTURING, INC. IS STRICTLY PROHIBITED.

PROJECT NO: 16093  
DATE: 10/19/2018  
ENGINEERED BY: KAL  
DRAWN BY: MTC

FILE NO. PC-MEM  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
APPL. 03-118291  
AC: JFE FLS: JEB SS: MC/WK  
DATE: 11/3/2018  
PRE-CHECK (PC) DOCUMENT  
CODE: 2016  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

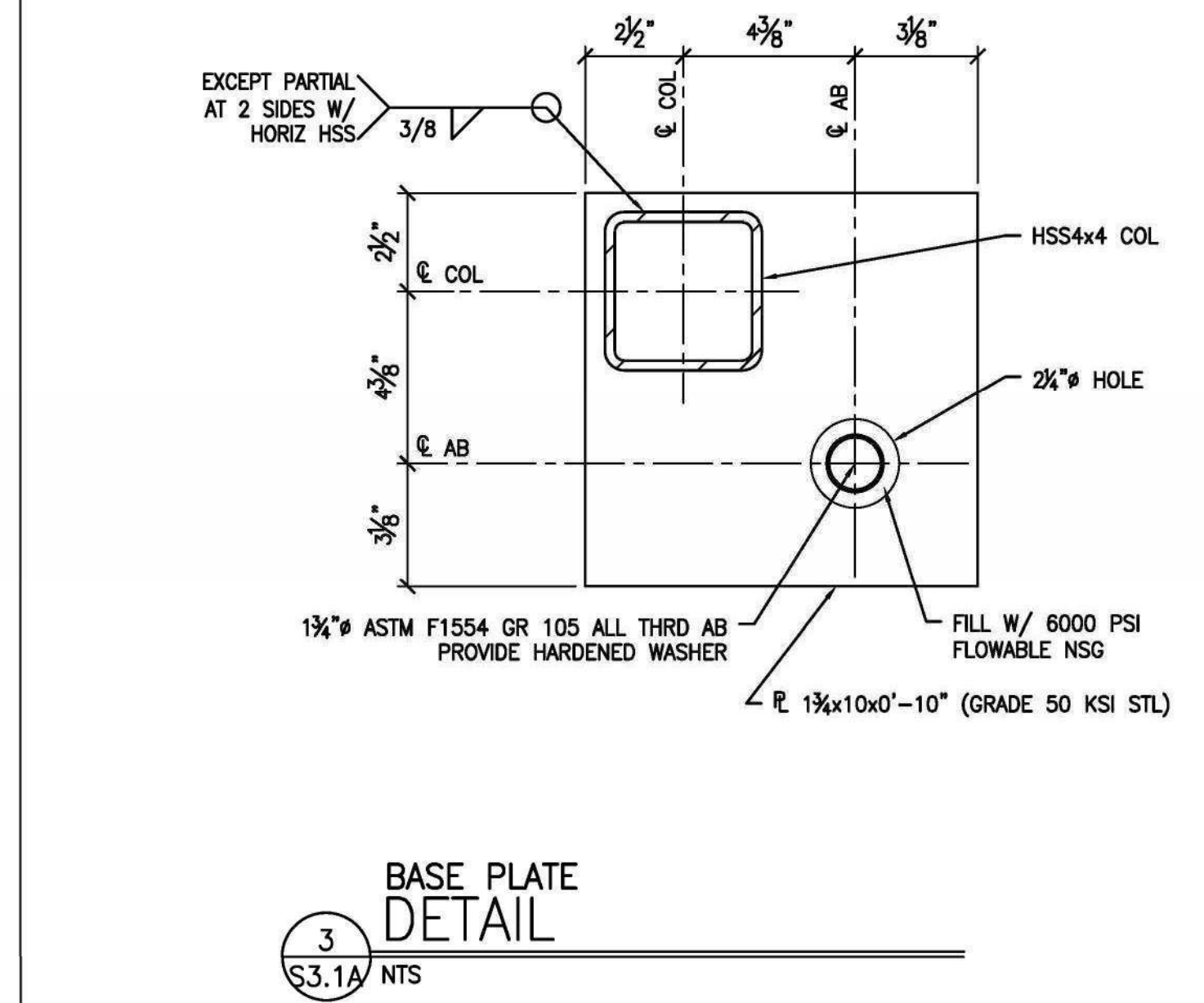
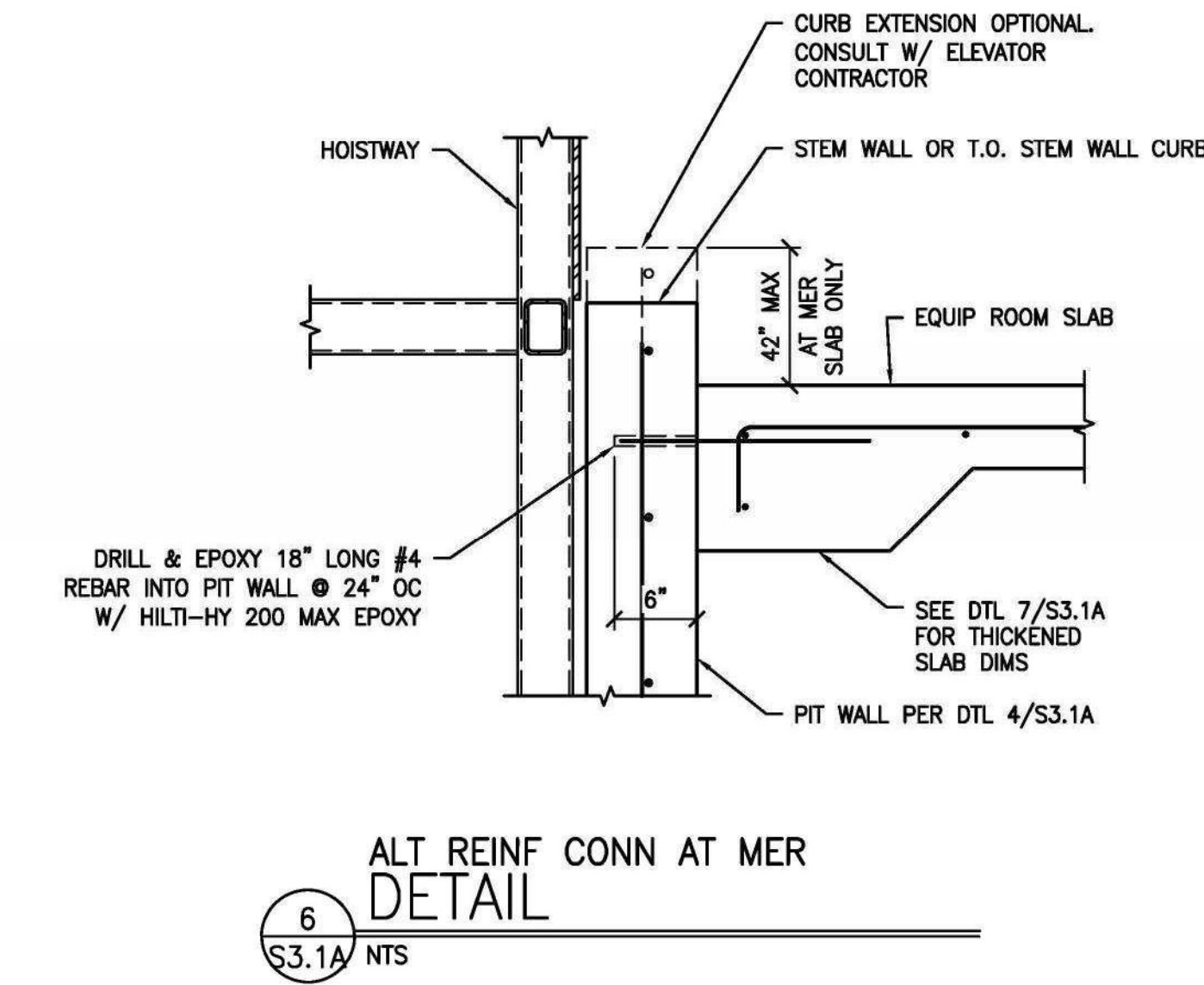
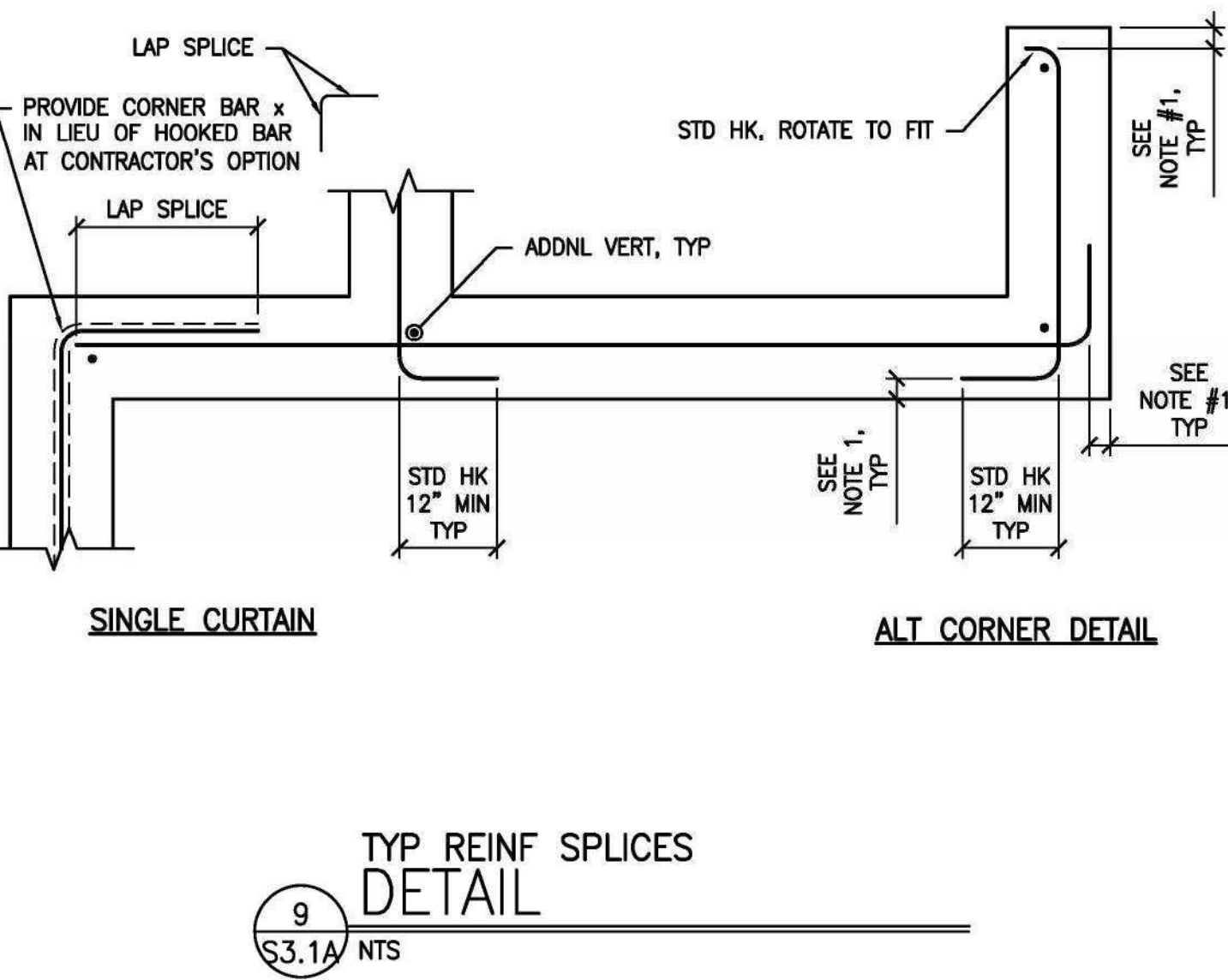
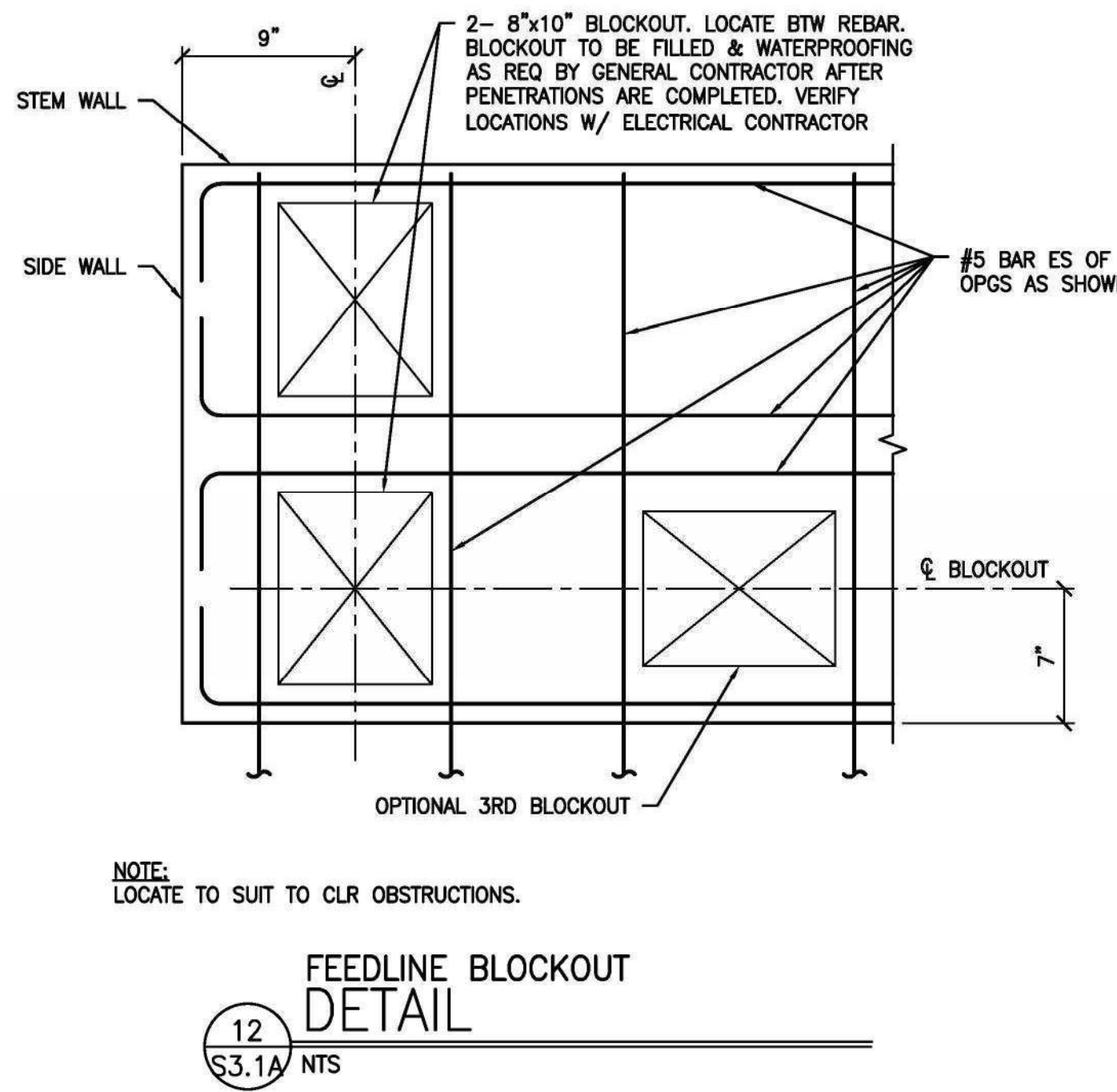
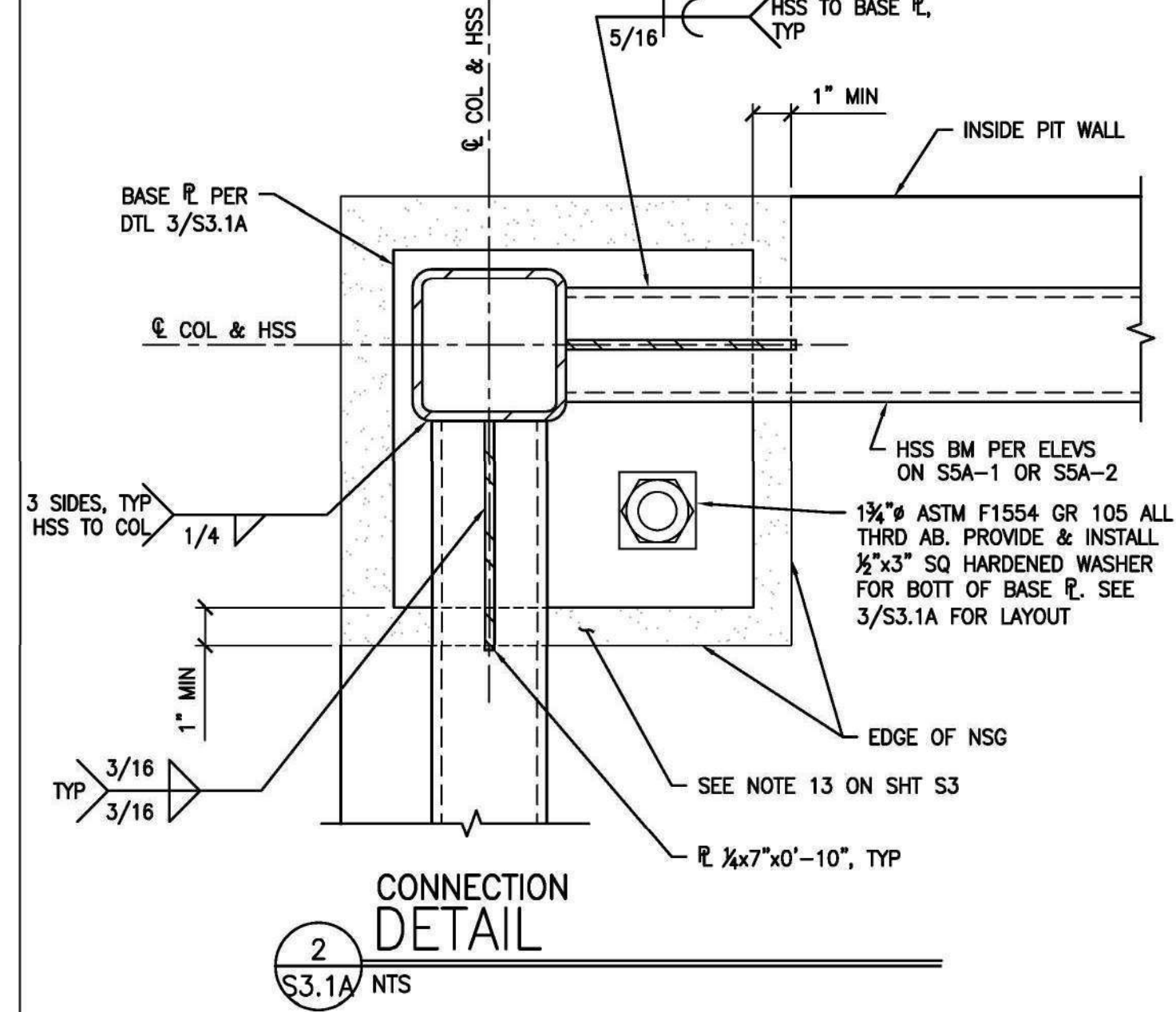
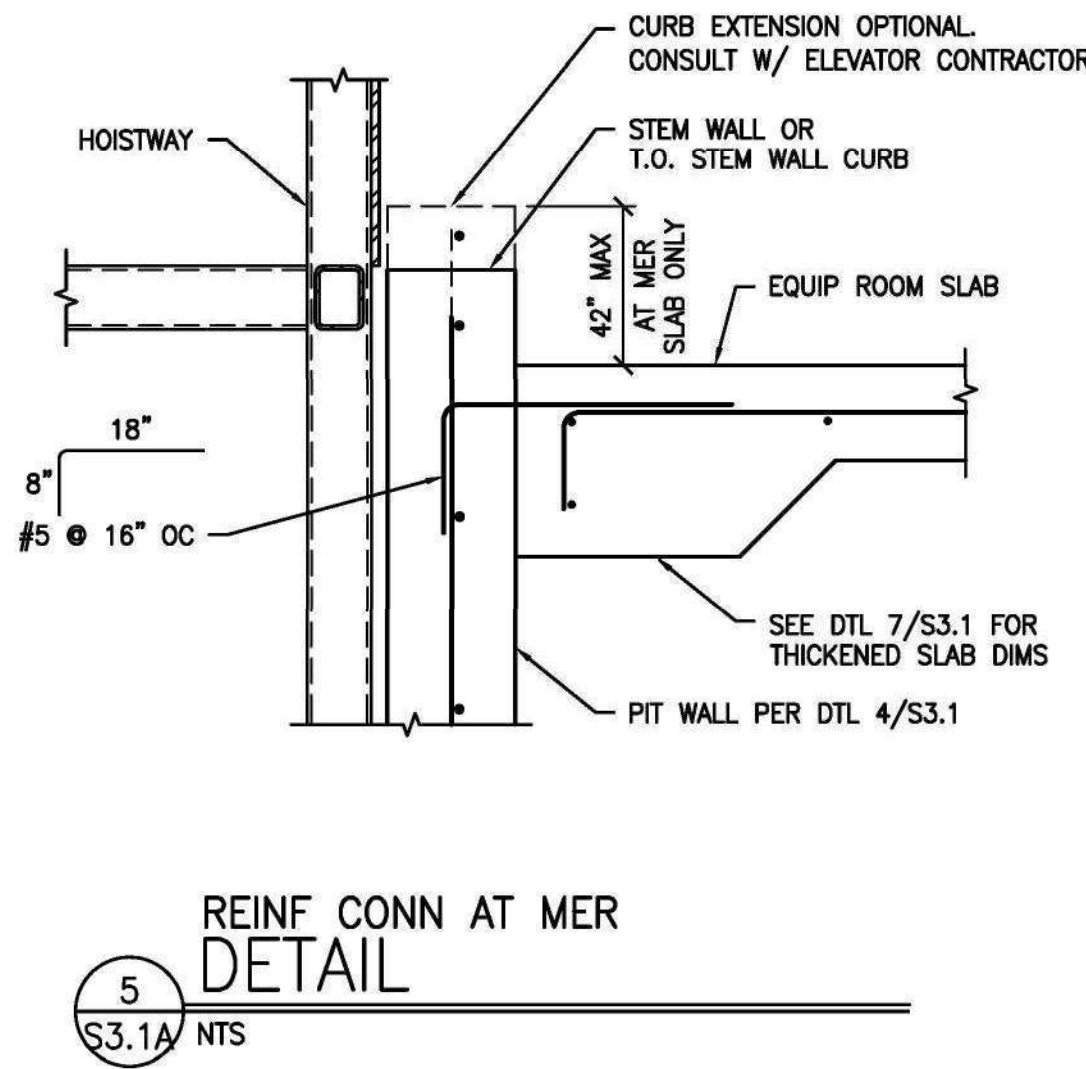
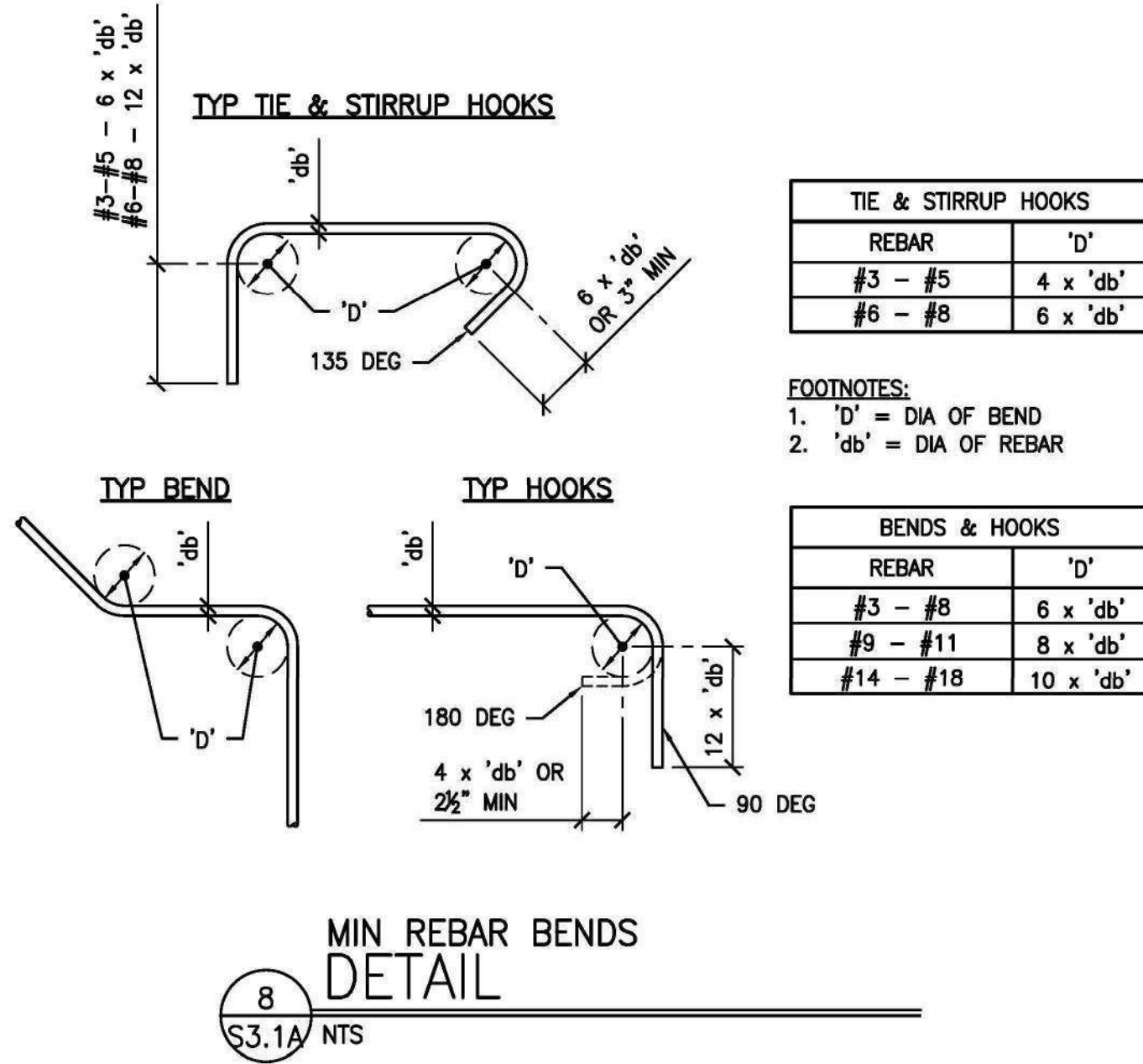
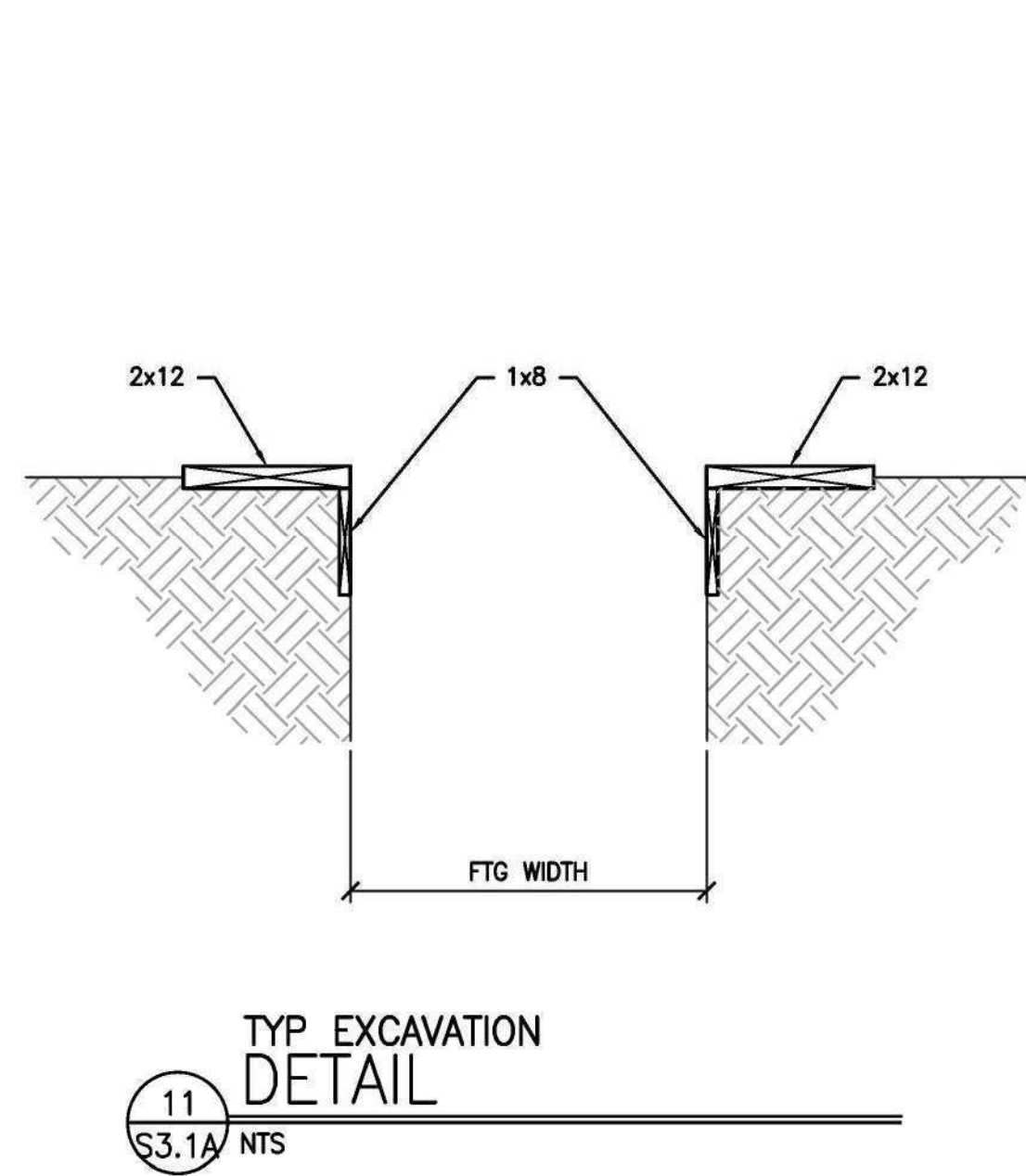
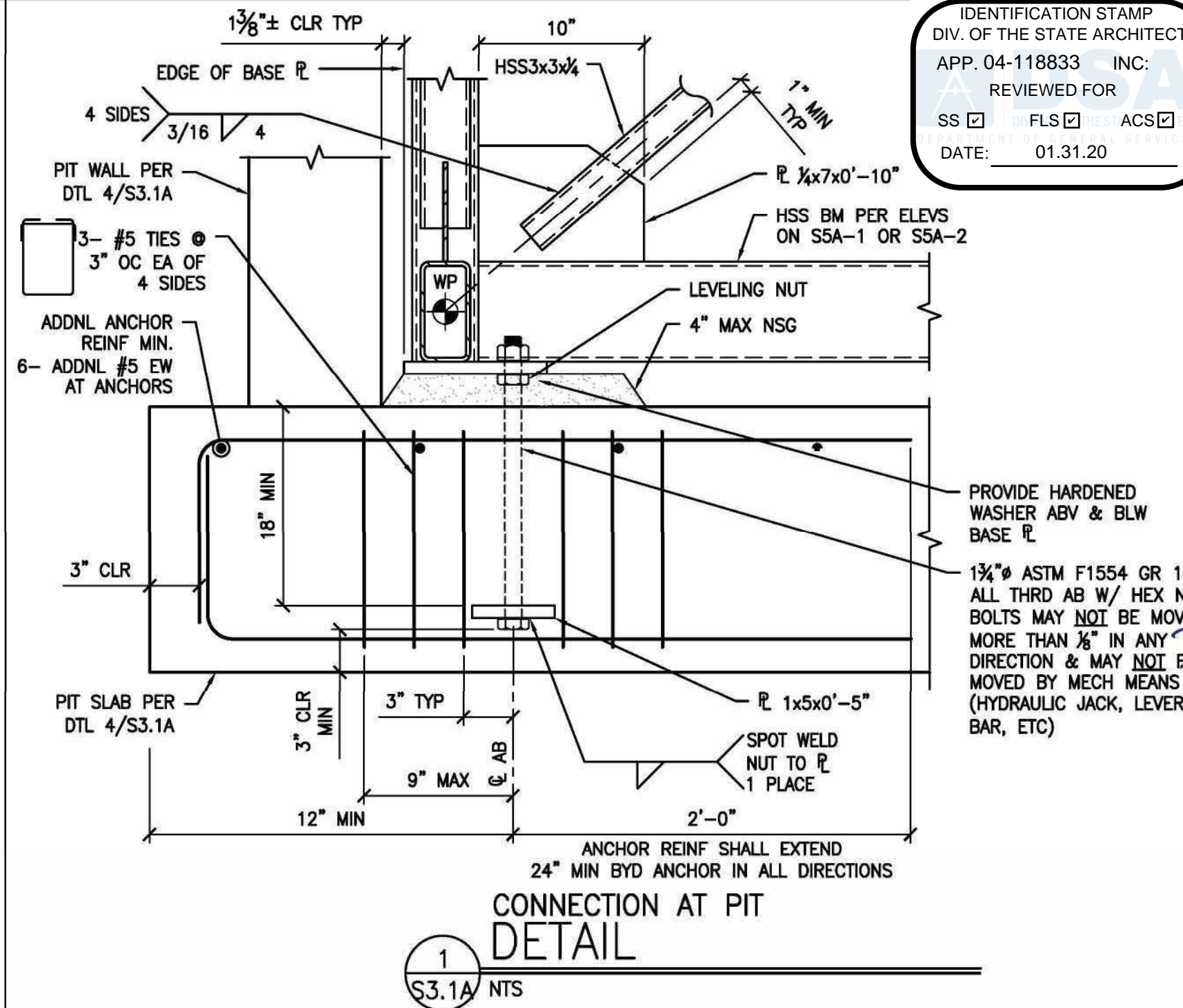
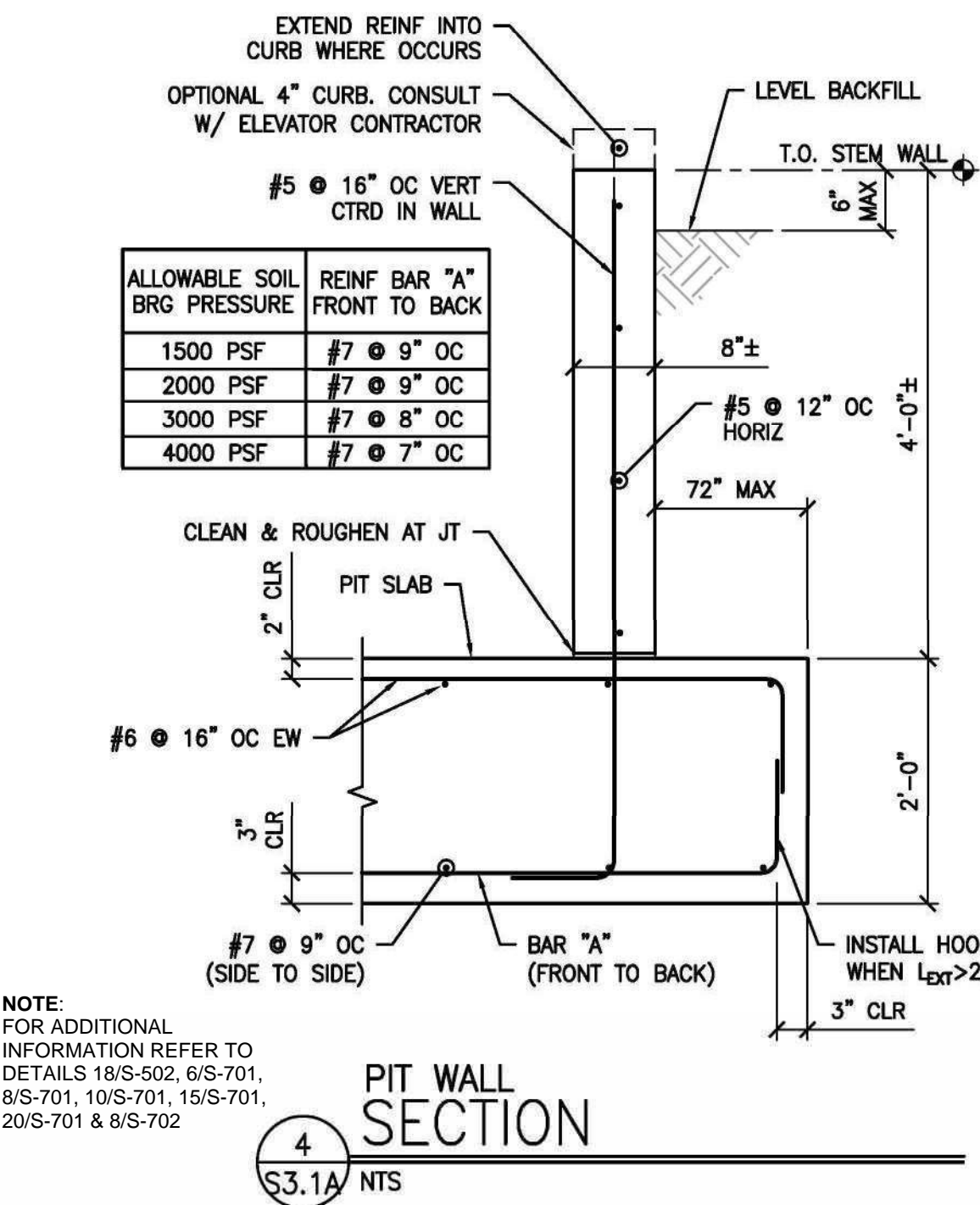
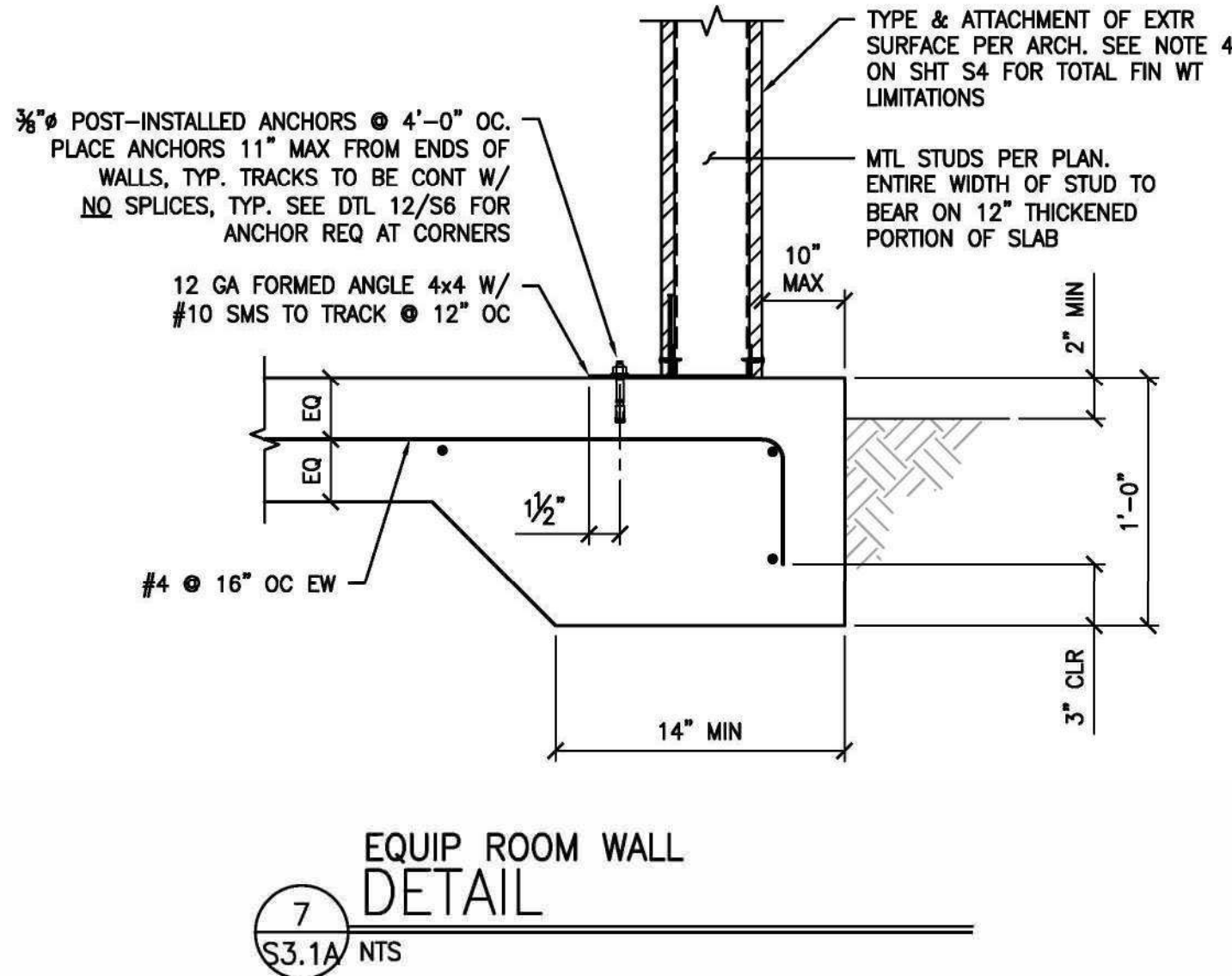
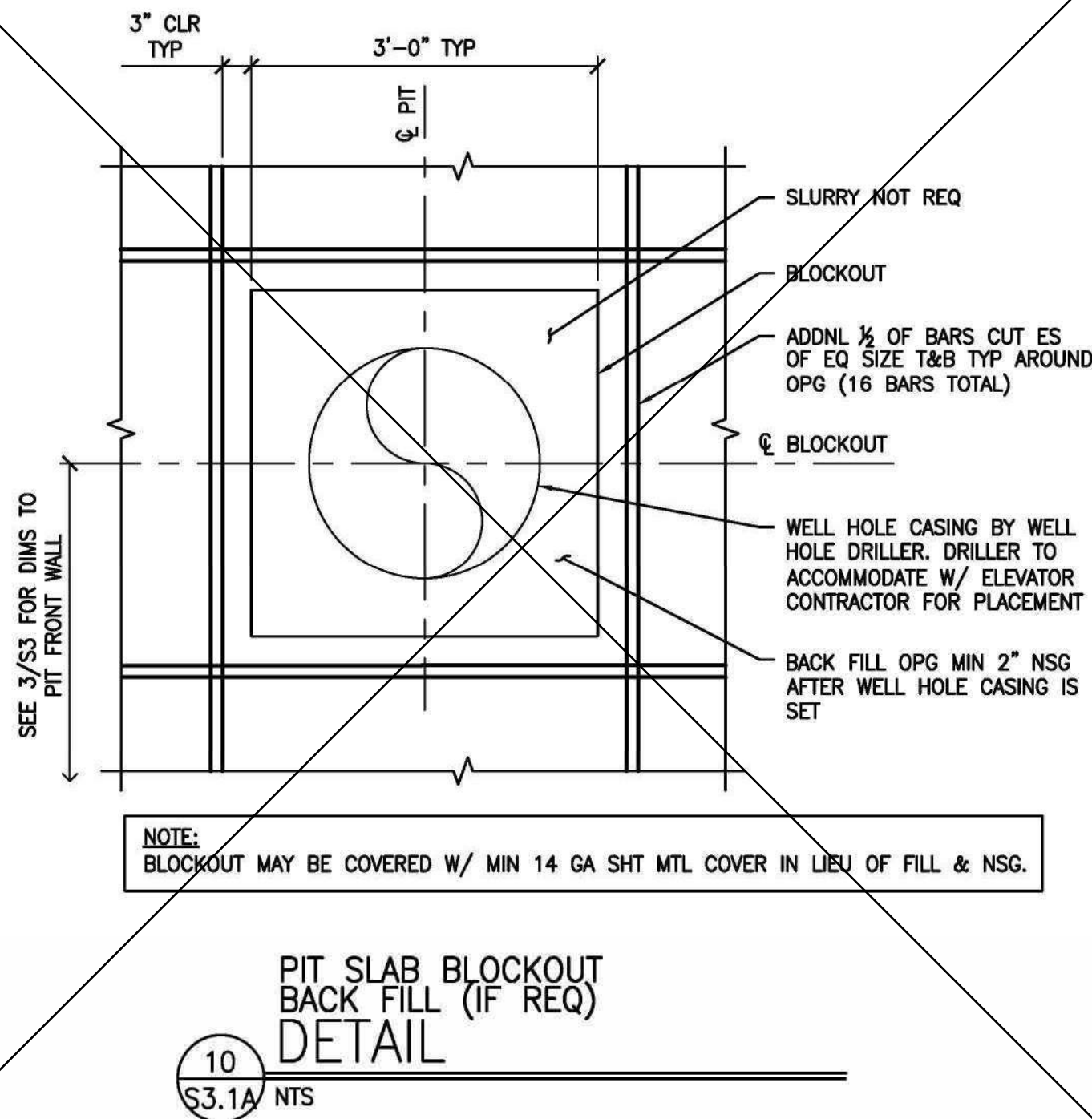
SHEET NAME:  
FOUNDATION PIT PLAN

SHEET NO:

S3



\\nas16\6093 - MEM 2016 CDB: PC\GD\STR\AS3.1A.dwg Time:04/24/2018-04:26pm Log:mgm\mtdm Dm:ade1 L1Scale:4



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP. 04-118833 INC.  
REVIEWED FOR  
SS ☐ FLS ☐ ACS ☐  
DATE: 01.31.20

NO.	DATE	REVISION

S.E. PC APPROVAL

REGISTERED PROFESSIONAL ENGINEER  
Kenneth A. Luttrell  
No. 1418  
Structural Engineer  
STATE OF CALIFORNIA  
THESE DRAWINGS ARE PRELIMINARY  
AND NOT FOR CONSTRUCTION  
UNLESS STAMPED & SIGNED BY  
THE ENGINEER OF RECORD.

**M=**  
MODULAR  
ELEVATOR  
MANUFACTURING

MODULAR ELEVATOR  
MANUFACTURING, INC.  
P.O. BOX 3998  
CHATSWORTH, CA. 91313  
800-755-9359

PRE-CHECK (PC) DOCUMENTS  
2016 CBC CODE  
A SEPARATE PROJECT APPLICATION FOR  
CONSTRUCTION IS REQUIRED.

THIS INFORMATION IS CONFIDENTIAL  
AND REMAINS THE PROPERTY OF  
MODULAR ELEVATOR MANUFACTURING,  
INC. ITS USE, REPRODUCTION OF, OR  
DISSEMINATION WITHOUT THE EXPRESS  
PERMISSION OF MODULAR ELEVATOR  
MANUFACTURING, INC. IS STRICTLY  
PROHIBITED.

PROJECT NO: 16093  
DATE: 10/19/2018  
ENGINEERED BY: KAL  
DRAWN BY: MTC

FILE NO. PC-MEM  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
APPL. 03-118291  
AC ☒ FLS ☒ SS ☒ MC ☒  
DATE: 11/3/2018  
PRE-CHECK (PC) DOCUMENT  
CODE: 2016  
A SEPARATE PROJECT APPLICATION FOR  
CONSTRUCTION IS REQUIRED.

SHEET NAME:  
FOUNDATION DETAILS  
MAX 44'-0"  
TOWER HEIGHT

SHEET NO:

S3.1A





# 3 S4 HOISTWAY ROOF FRAMING PLAN NTS SEE TABLE 5 FOR DIMENSIONS



1. ATTACHMENTS OF FINISH MATERIAL BY OTHERS.
2. EMBELLISHMENTS (FOR MAIN ELEVATOR SHAFT ONLY) MUST ATTACH TO STRUC STL COLS & BMS ONLY & NOT TO LIGHT GAUGE MEMBERS. THIS RESTRICTION DOES NOT APPLY TO WALL FINISHES.
3. MAX TOTAL WT OF EXTR WALL FIN = 400 LBS PER FT. SEE "HEAVY CLADDING NOTE" ON SMT S2.
4. 3/2" STUD WALL CONSTR OPS. FIRE-RATED CONSTR. SEE 1/6"X3/8" GWB TYPE X APPLIED TO INTR. WALL & EXTR. PARALLEL OR AT RIGHT ANGLES TO STU OR STUCCO ON EXTR. 5/8" GWB APPLIED TO INTR. ALL GWB ATTACHED W/ 1" TYPE S DRYWALL SCREWS 8" OC ON VERT EDGES & 12" OC ON INTERMEDIATE STUDS PER UL DESIGN NO. 419 OR U434.
5. FIRE-RATED CONSTR MAY NOT BE REQ WHEN THE ELEVATOR SHAFT DOES NOT PENETRATE FLRS, WHERE THE OPNS DO NOT ENTER DIRECTLY INTO ANOTHER STRUCTURE & WHEN THE SHAFT IS LOCATED FURTHER THAN 10'-0" FROM A PROPERTY LINE PER CODE 712.1.
6. EXTR FIN & FLASHING DETAIL TO BE SPECIFIED BY PROJECT ARCH AND ARE BY OTHERS. HORIZ REVEAL / JT SHALL BE PROVIDED AT LOCATION OF HORIZ HSS IN EXTR FIN.
7. APPROVAL FOR SPECIFIC EMBELLISHMENT CONFIGURATION MUST BE OBTAINED ON SITE SPECIFIC APPLICATION.
8. CALCULATIONS ASSUME A MAX OF 20 PSF TOTAL WALL WT, INCLUDING CLADDING. EMBELLISHMENT WTS ARE IN ADDITION TO WALL WT.
9. MODULAR EQUIP ROOM FRM EMBELLISHMENT TO MEET SAME DIMENSION RESTRICTIONS AS ELEVATOR SHAFT ROOM. EMBELLISHMENT EXCEPT MAX HT IS 4'-0" & MAX WT IS 600 LBS. CONSTRUCTION & ATTACHMENT OF EMBELLISHMENT TO MACHINE ROOM IS NOT PART OF THIS PROJECT & IT IS SUBJECT TO THE LIMITATIONS SHOWN ON THIS NOTE 12.
10. MAX FLR EMBELLISHMENT PROJECTION IS 3'-0" FROM FACE OF HOISTWAY WALL.
11. 2-HOUR FIRE RATED WALL ASSEMBLY MUST CONSIST OF 5 LAYERS OF 5/8" THK TYPE X FIRE-RATED GWB INSIDE & OUTSIDE OF TOWER UTILIZING 3 1/2" STUDS. ASSEMBLY IS BASED UPON UL DESIGN NO. U419.
12. SECONDARY FRMG SHALL BE PROVIDED TO SUPPORT EMBELLISHMENT. ATTACHMENT OF SECONDARY FRMG TO HORIZ HSS OR MTL STUD IS NOT PERMITTED. THIS WORK IS NOT PART OF THIS APPLICATION.

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP. 04-118833 INC:  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 01.31.20

[illegible]

**M = M**  
INC.  
**MODULAR  
ELEVATOR  
MANUFACTURING**

PRE-CHECK (PC) DOCUMENTS  
2016 CBC CODE  
A SEPARATE PROJECT APPLICATION FOR  
CONSTRUCTION IS REQUIRED.

THIS INFORMATION IS CONFIDENTIAL AND REMAINS THE PROPERTY OF MODULAR ELEVATOR MANUFACTURING, INC. ITS USE, REPRODUCTION OF, OR DISSEMINATION WITHOUT THE EXPRESS PERMISSION OF MODULAR ELEVATOR MANUFACTURING, INC. IS STRICTLY PROHIBITED

PROJECT NO: 16093

DATE: 10/19/2018

ENGINEERED BY: KAL

DRAWN BY: MTC

FILE NO. PC-MEM

DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES		
APPL. 03-118291		
AC <u>MF</u>	FLS <u>EB</u>	SS <u>MC/MK</u>
DATE <u>11/3/2018</u>		

SHEET NAME:

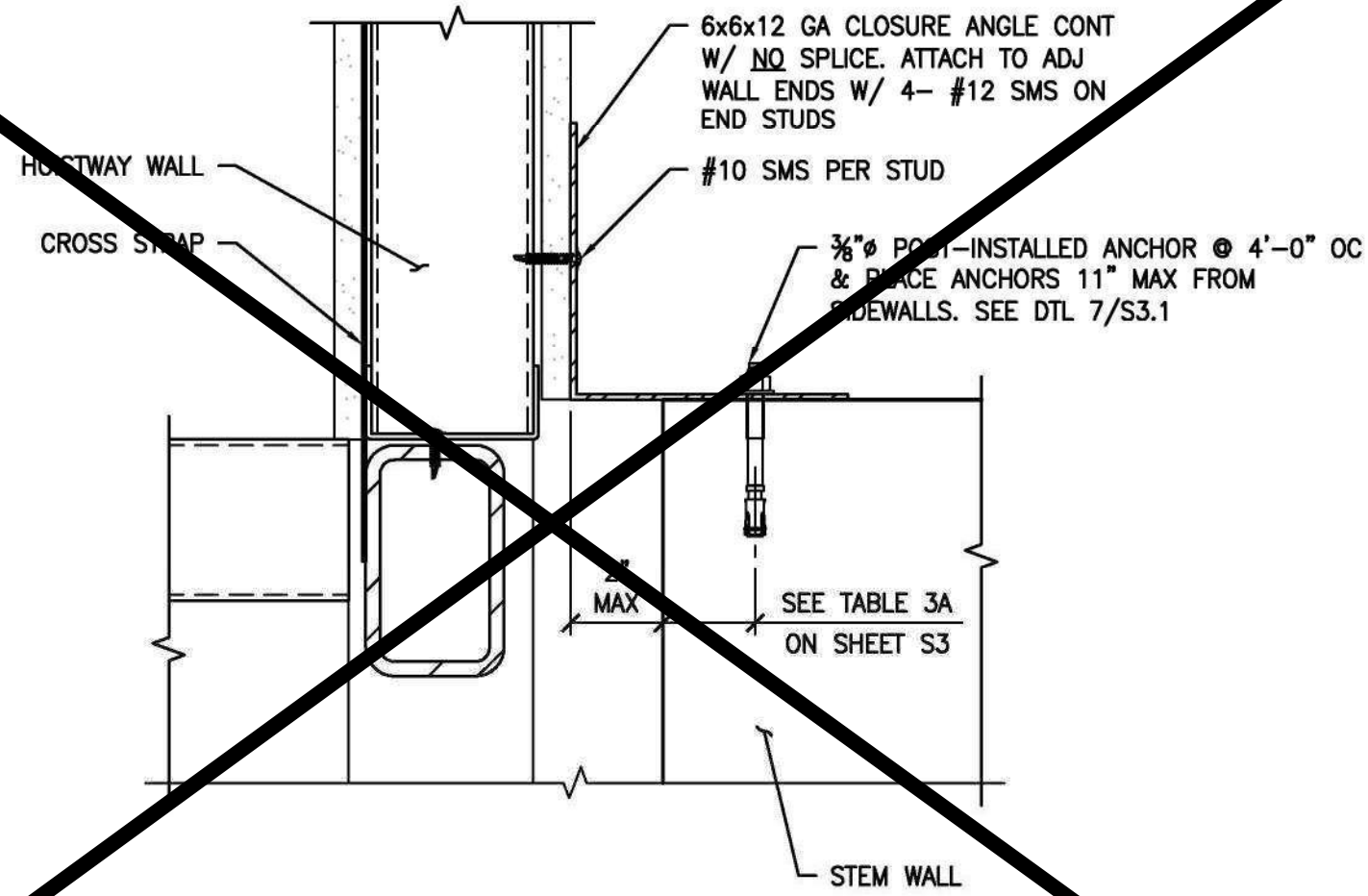
HOISTWAY  
ROOF PLAN

SHEET NO:

S4

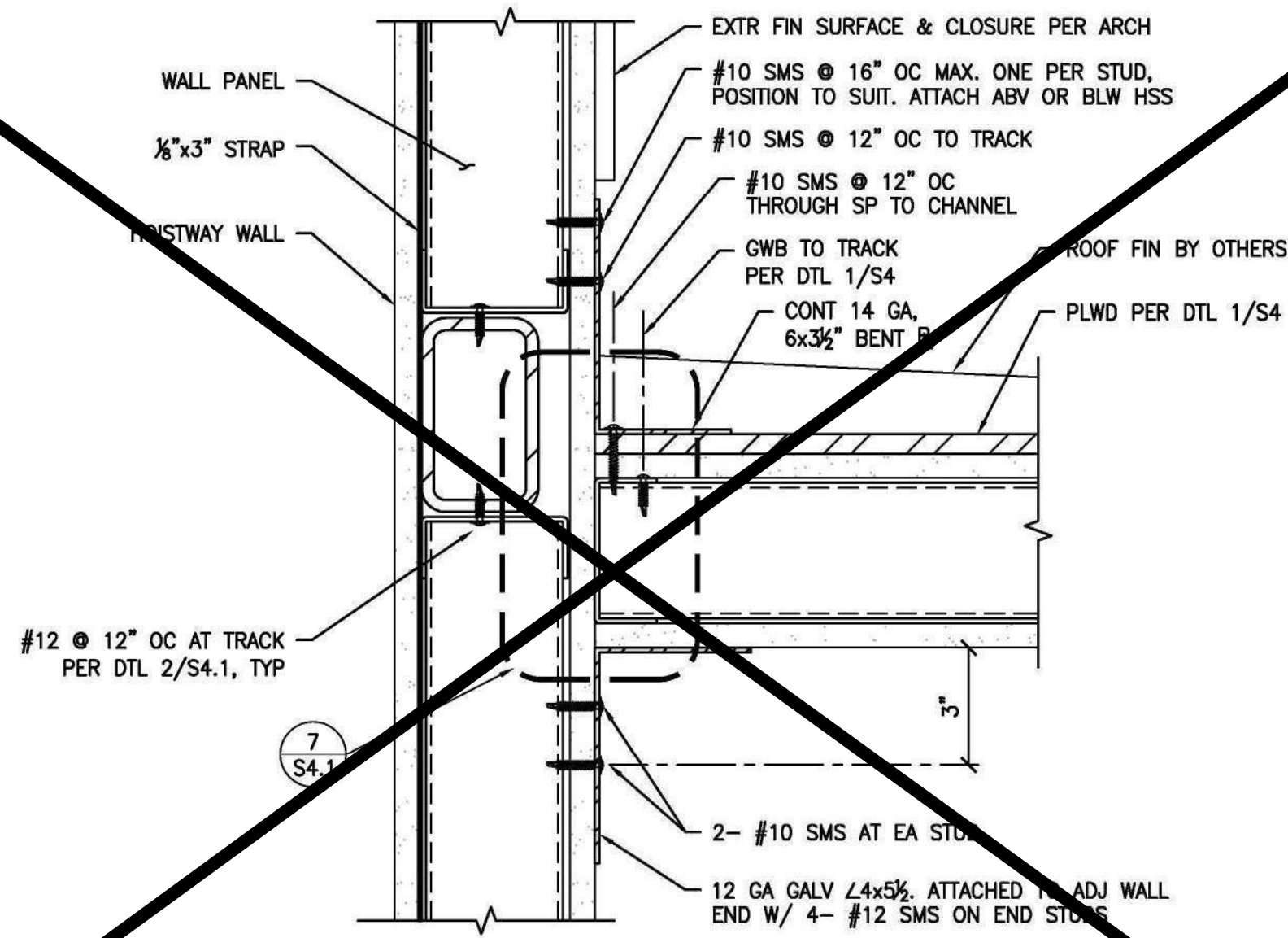


L:\data\616093 MEU 2016 CBC PC\MOD\STRU\S4.1.dwg Time:Nov01:2018-03:24pm Login:cmcmcmcm D:\mcmcm1 L:\S4.1.dwg



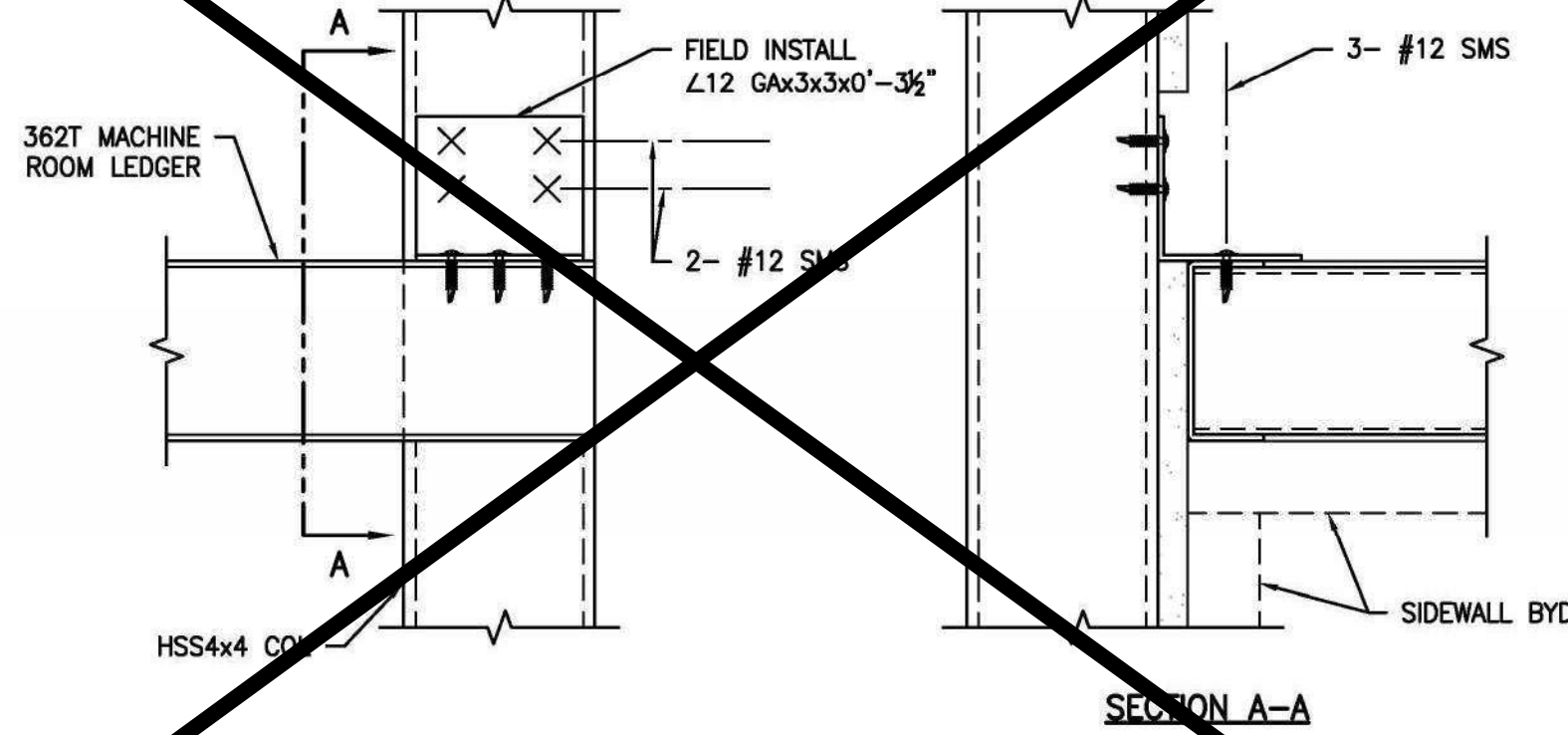
5  
S4.1  
3" = 1'-0"

ATTACHED EQUIP ROOM FLR CONN  
DETAIL



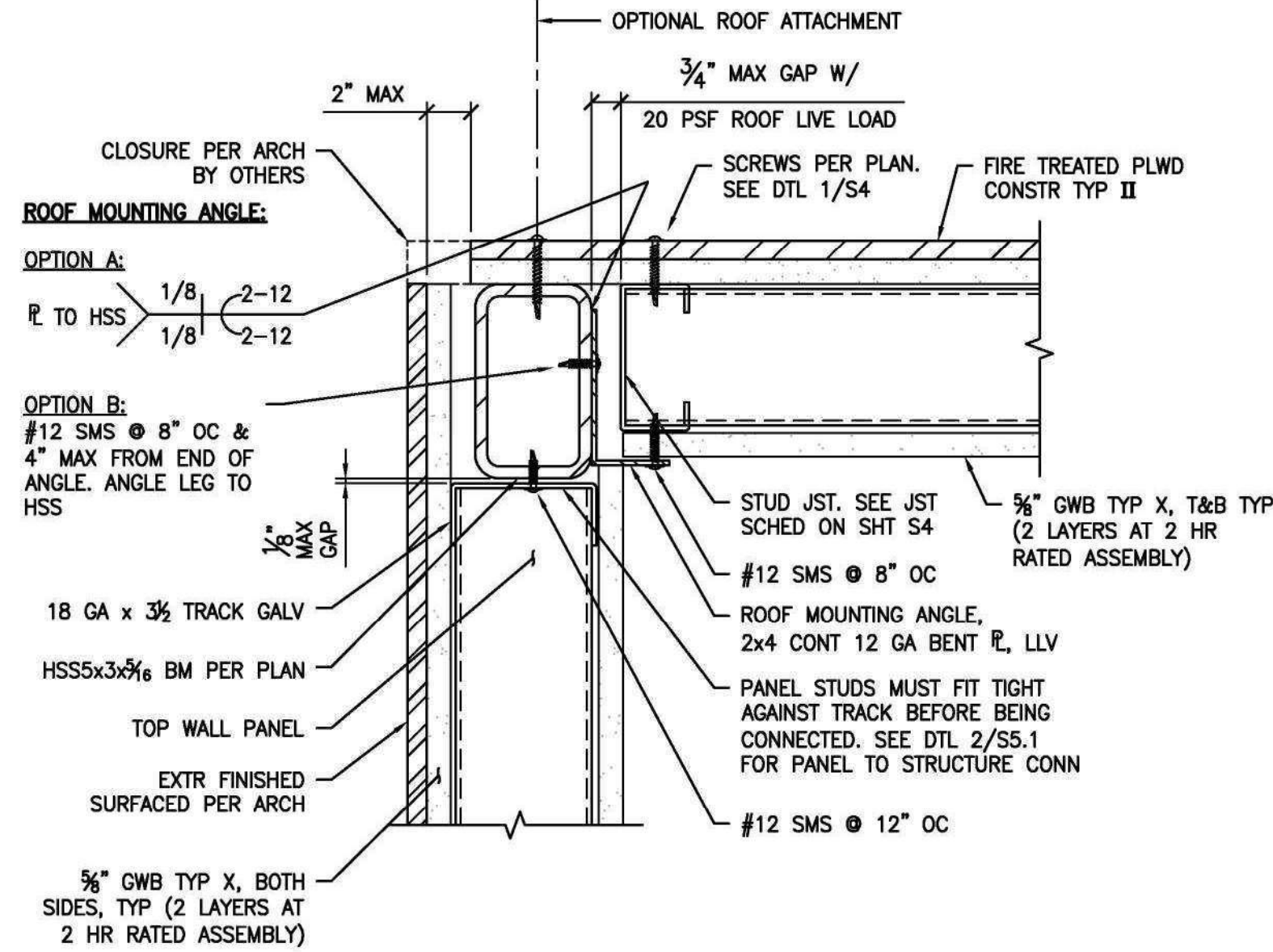
6  
S4.1  
3" = 1'-0"

ATTACHED EQUIP ROOM ROOF CONN  
DETAIL



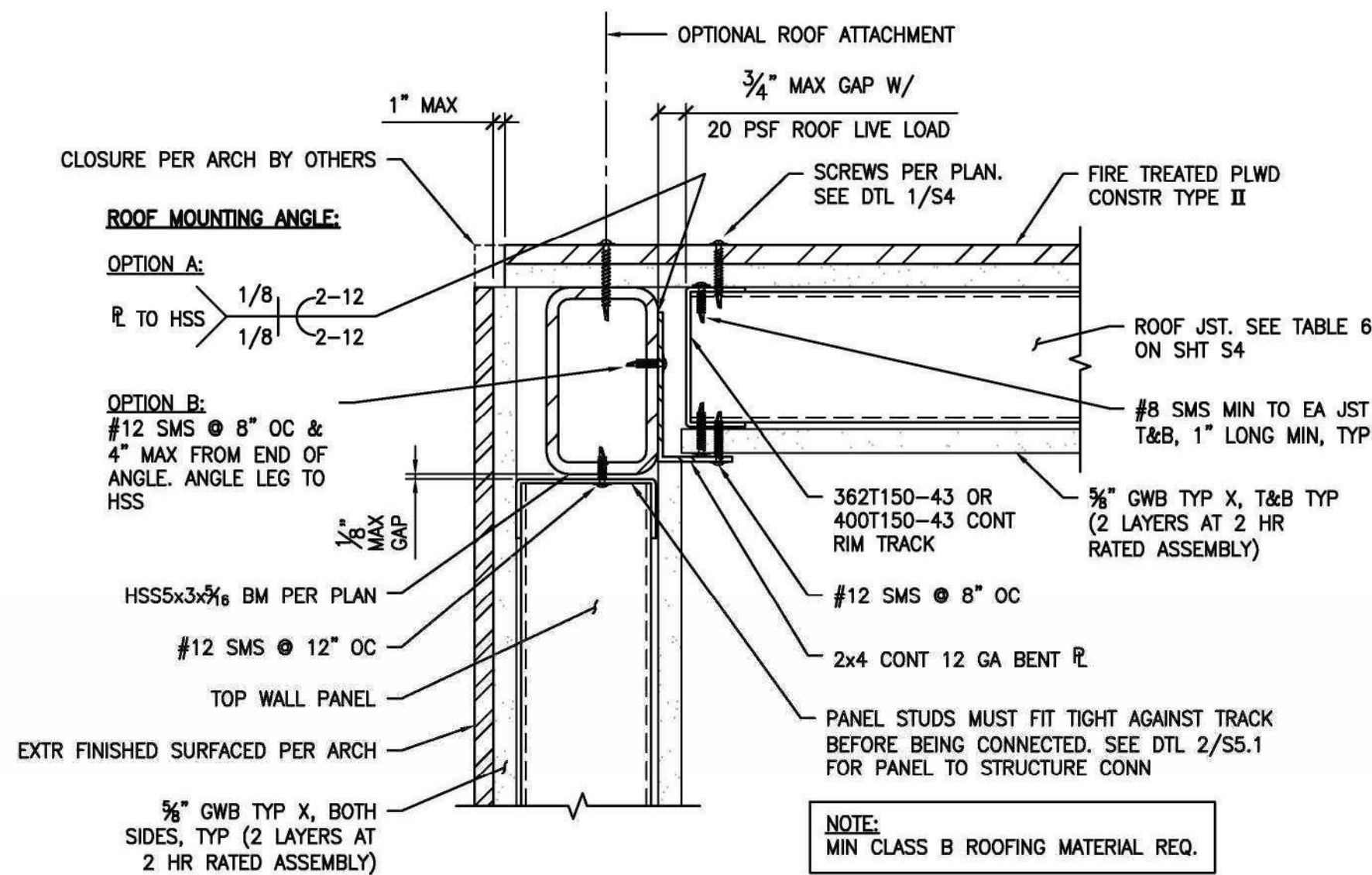
7  
S4.1  
3" = 1'-0"

DETAIL



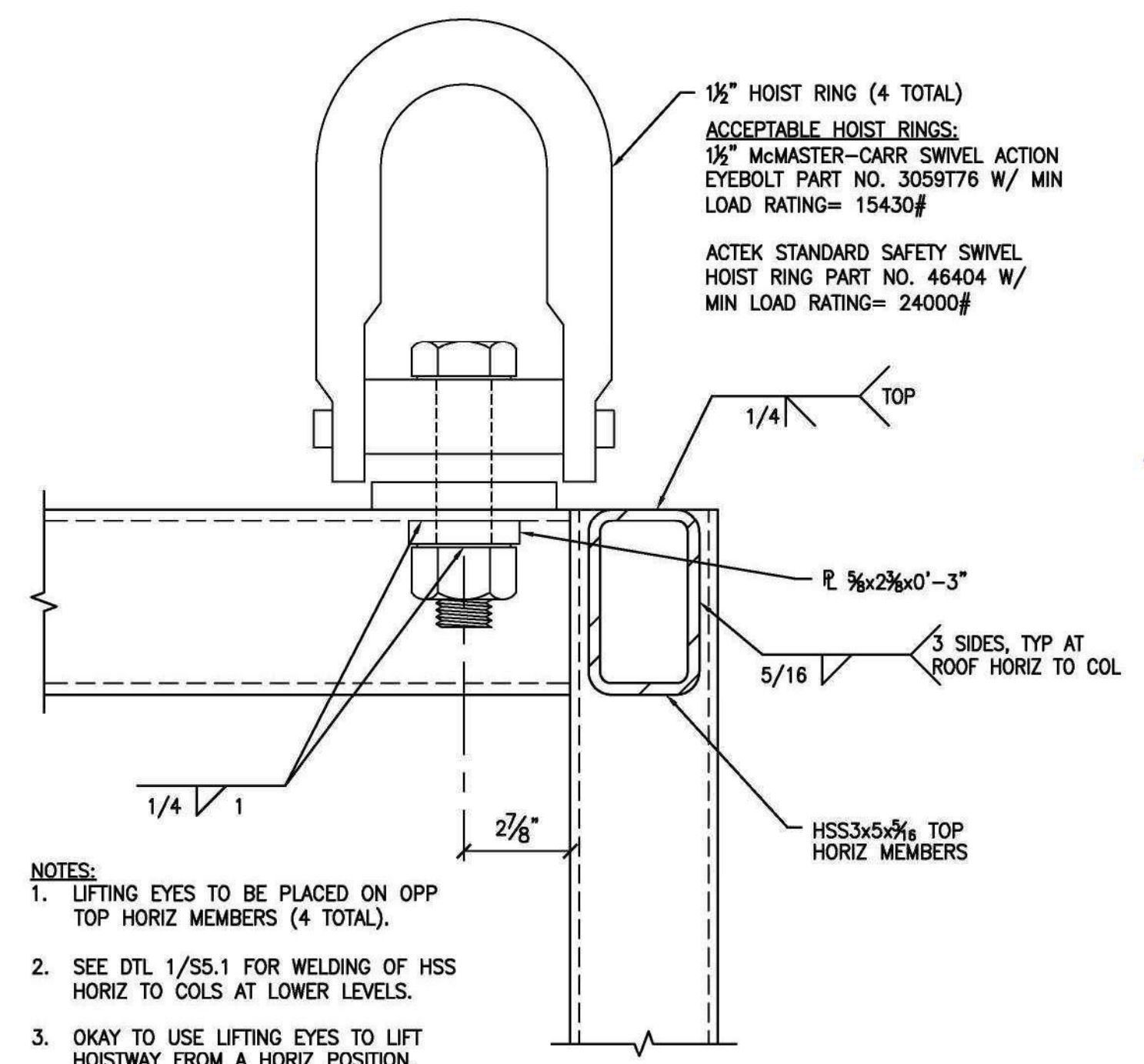
3  
S4.1  
3" = 1'-0"

HOISTWAY ROOF AT SIDE WALL  
DETAIL



4  
S4.1  
3" = 1'-0"

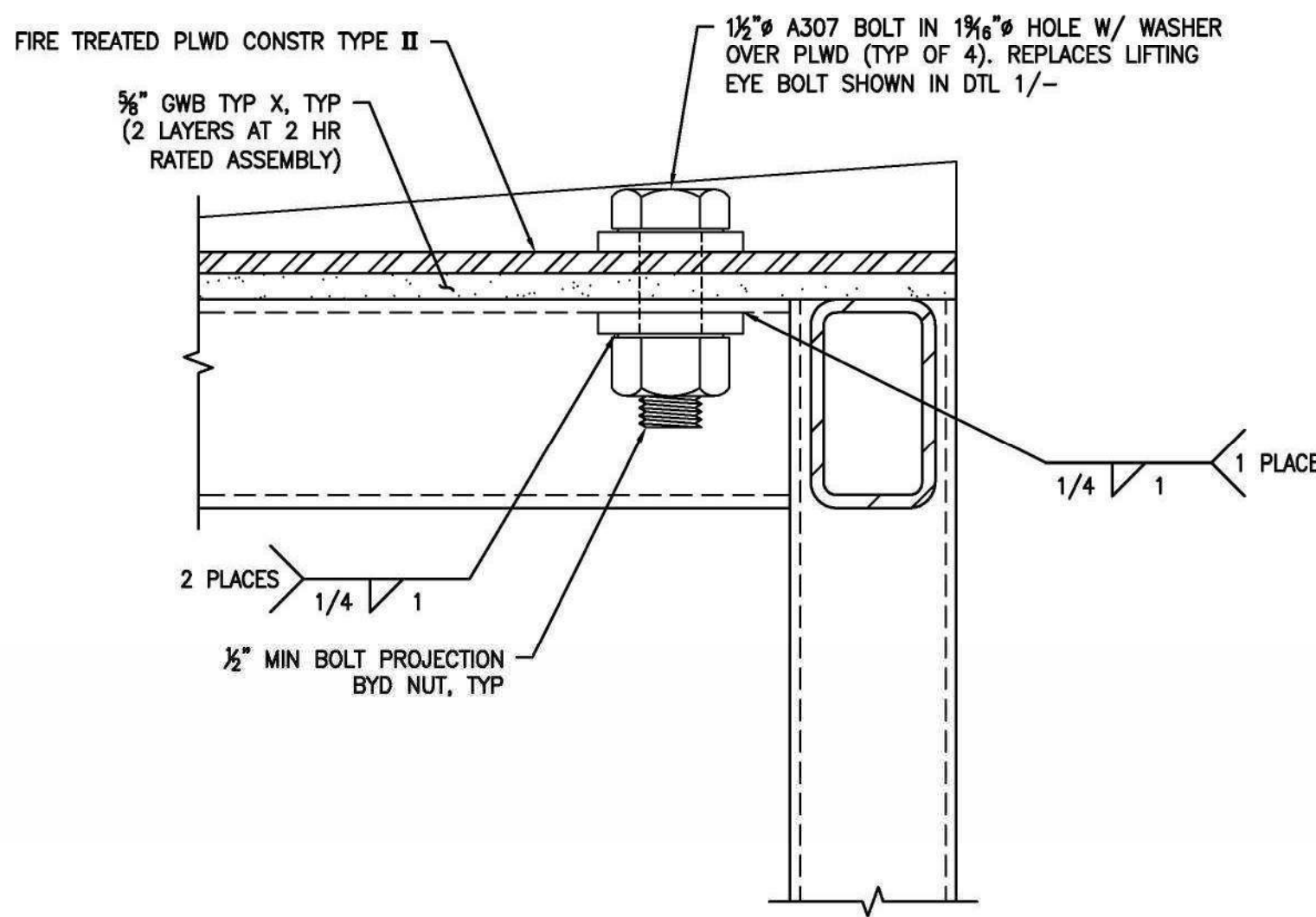
HOISTWAY ROOF AT END WALL  
DETAIL



- NOTES:
1. LIFTING EYES TO BE PLACED ON OPP TOP HORIZ MEMBERS (4 TOTAL).
  2. SEE DTL 1/S5.1 FOR WELDING OF HSS HORIZ TO COLS AT LOWER LEVELS.
  3. OKAY TO USE LIFTING EYES TO LIFT HOISTWAY FROM A HORIZ POSITION.

1  
S4.1  
3" = 1'-0"

HOISTWAY LIFTING EYE  
DETAIL



2  
S4.1  
3" = 1'-0"

HOISTWAY ROOF BOLTING  
DETAIL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP. 04-118833 INC.  
REVIEWED FOR  
SS ☒ FLS ☒ ACS ☒  
DATE: 01.31.20

NO.	DATE	REVISION

S.E. PC APPROVAL



**M=**  
MODULAR  
ELEVATOR  
MANUFACTURING

MODULAR ELEVATOR  
MANUFACTURING, INC.  
P.O. BOX 3998  
CHATSWORTH, CA. 91313  
800-755-9359

PRE-CHECK (PC) DOCUMENTS  
2016 CBC CODE  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

THIS INFORMATION IS CONFIDENTIAL AND REMAINS THE PROPERTY OF MODULAR ELEVATOR MANUFACTURING, INC. ITS USE, REPRODUCTION, OR DISSEMINATION WITHOUT THE EXPRESS PERMISSION OF MODULAR ELEVATOR MANUFACTURING, INC. IS STRICTLY PROHIBITED.

PROJECT NO: 16093  
DATE: 10/19/2018  
ENGINEERED BY: KAL  
DRAWN BY: MTC

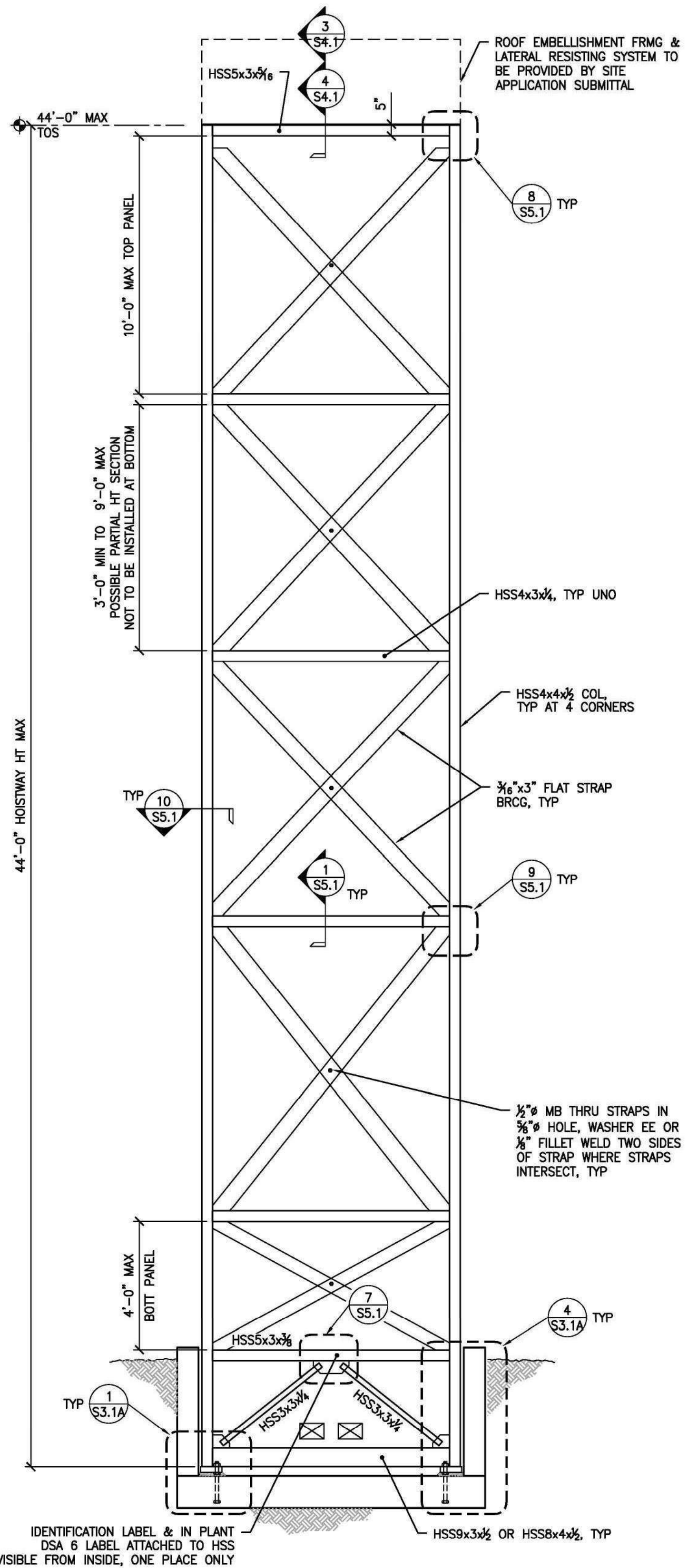
FILE NO. PC-MEM  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
APPL. 03-118291  
AC/PC FLS/SS MC/MS  
DATE 11/3/2018  
PRE-CHECK (PC) DOCUMENT  
CODE: 2016  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

SHEET NAME:  
HOISTWAY & ROOF DETAILS

SHEET NO:  
S4.1

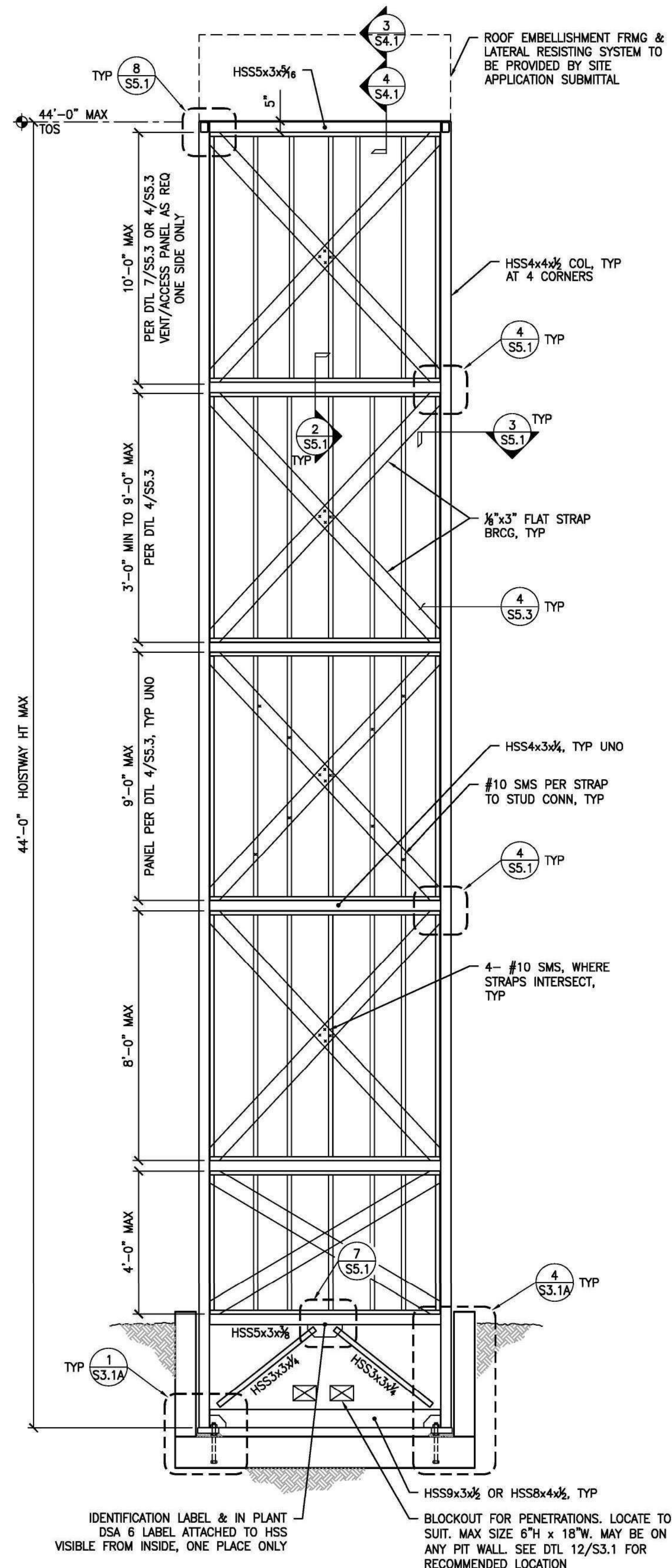


\\nas16\6693 - MFM 2016 CBC PC\AD\STRA\S5A-1.dwg TimeNov01 2018 - 03:08pm Logitech\asham - E:\cadd\17\Scale:1/2



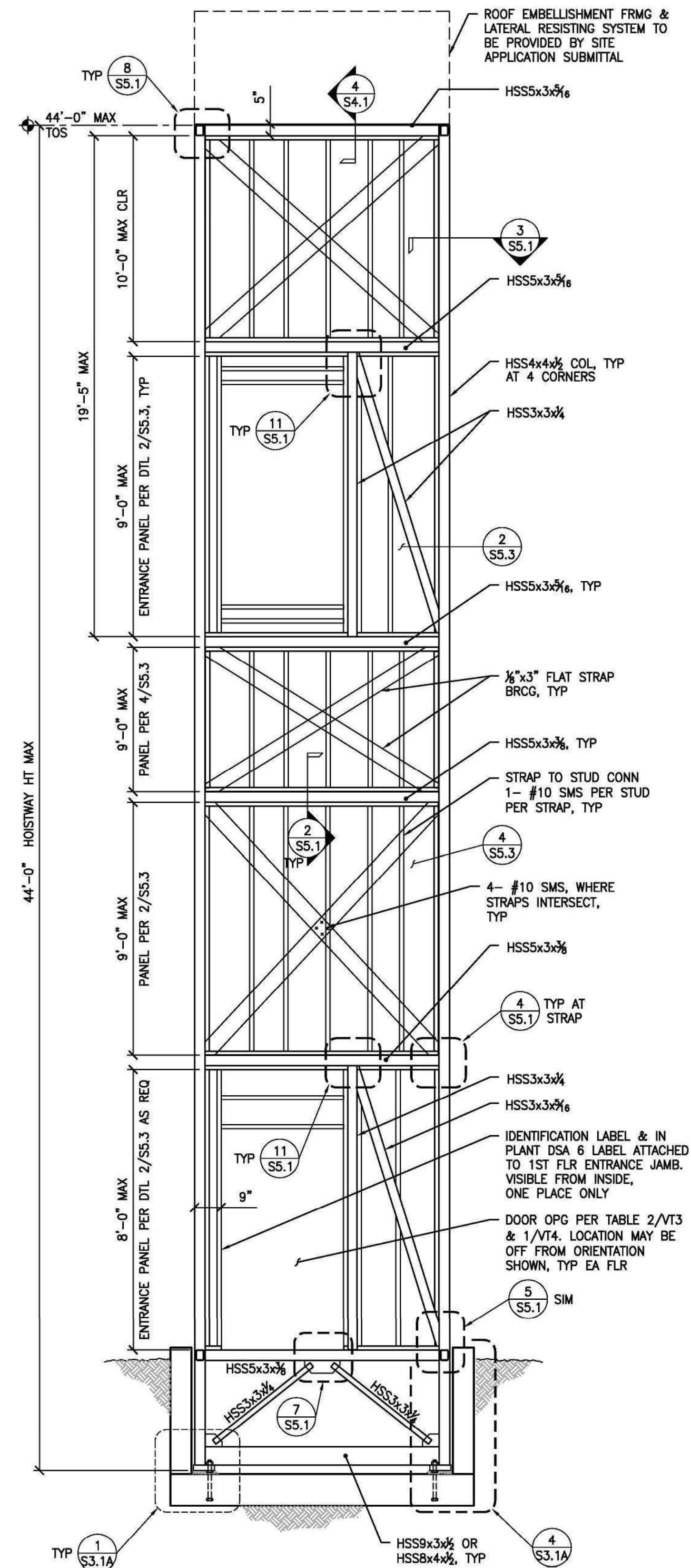
HOISTWAY WALL - NON-RATED WALL  
ELEVATION

7 S5A NTS MAX 44'-0" TOWER HT FOR 26'-0" TRAVEL



HOISTWAY WALL - RATED  
SIDE WALLS  
ELEVATION

6 S5A NTS MAX 44'-0" TOWER HT FOR 26'-0" TRAVEL



HOISTWAY WALL W/ ENTRANCE  
END WALL ONLY  
ELEVATION

5 S5A NTS MAX 44'-0" TOWER HT FOR 26'-0" TRAVEL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP. 04-118833 INC.  
REVIEWED FOR  
SS ☐ FLS ☐ ACS ☐  
DATE: 01.31.20

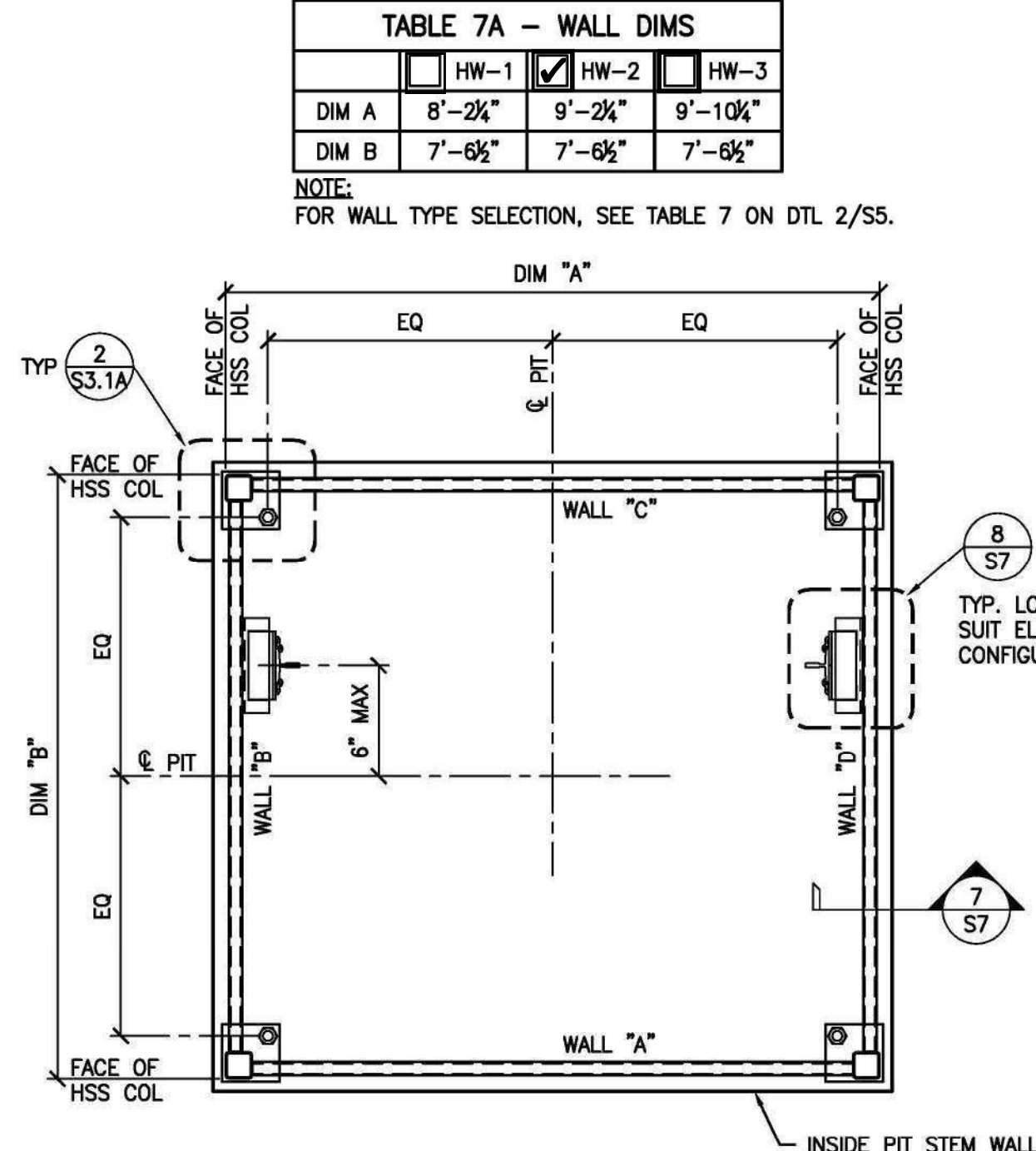


TABLE 7A - WALL DIMS			
	HW-1	HW-2	HW-3
DIM A	8'-2 1/2"	9'-2 1/2"	9'-10 1/2"
DIM B	7'-6 1/2"	7'-6 1/2"	7'-6 1/2"

NOTE:  
FOR WALL TYPE SELECTION, SEE TABLE 7 ON DTL 2/S5.

HOISTWAY PLAN

1 S5A 1/2" = 1'-0"

TABLE 7 - WALL SELECTOR			
WALL	ENTRANCE 5/S5	TYP 6/S5	NON-RATED 7/S5
A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
D	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

NOTES:  
1. SELECT ONLY ONE (1) WALL TYPE PER SIDE.  
ENTRANCE WALLS MAY NOT BE ADJ.  
2. ARCH TO FILL OPEN BOXES AS APPLICABLE.  
3. DTL 5/S5A DOES NOT APPLY AT FACES B, C OR D.

WALL SELECTOR

2 S5A NTS

MAX DISPLACEMENT		
STORY	WIND	SEISMIC $\delta_x$
ROOF	0.4"	4.1"

NOTE:  
ELEVATOR TOWER SHALL BE SEPARATED FROM ADJ  
STRUCTURE SUCH THAT THE DISTANCE IS EQ TO THE  
SQ ROOT OF THE SUM OF THE SQUARES OF  $\delta_x$  FOR  
BOTH STRUCTURES PER SECTION 12.8.6.

DISPLACEMENT  
SCHEDULE

3 S5A NTS

- HOISTWAY NOTES:**
- STUDS ARE NOT REQ WITHIN THE PIT.
  - EXCEPT FOR ENTRANCE PANEL, IF THE CLR DIM BTW HORIZ HSS MEMBERS IS REQ TO BE > 9'-0", THEN AN ADDNL HORIZ MEMBER IS REQ MIDWAY BTW THE HSS MEMBERS SHOWN IN THE ELEV. W/ FLAT STRAP BRGC IN EA BAY.
  - FOR ENTRANCE PANEL ONLY, IF THE CLR DIM BTW HORIZ HSS MEMBERS FOR PANELS ABV THE THRESHOLD OF THE 2ND OPG IS REQ TO BE > 9'-0", THEN AN ADDNL HORIZ MEMBER IS REQ BTW THE HSS MEMBERS SHOWN IN THE ELEV. W/ FLAT STRAP BRGC IN EA BAY. & A VERT HSS MEMBER IS REQ NEXT TO THE DOORWAY. MAX PANEL HT FOR PANELS ABV THE 2ND LEVEL SHALL BE 10'-0".
  - VENTING OF HOISTWAY AS PER 2016 CBC SECTION 3004 SHAFTS HOUSING ELEVATORS EXTENDING THRU MORE THAN TWO FLR LEVELS SHALL BE VENTED TO THE OUTSIDE. THE AREA OF THE VENT SHALL NOT BE LESS THAN 3.5% OF THE AREA OF THE ELEVATOR SHAFT, PROVIDED A MIN OF 3 SQ FT PER ELEVATOR IS PROVIDED (BY OTHERS).
  - IF LANDING BRIDGE OR LANDING AWNING IS REQ, SEE SHT S5.2.
  - COLS TO BE CONT FOR FULL HT. NO SPLICES ALLOWED.
  - ELEVATORS SERVE TWO STORIES OR LESS, SHAFT CONSTR NOT REQ IF COMPLIANT W/ CBC 712.1, OTHERWISE, SHAFT CONSTRUCTION PROVIDED PER 713.4.

HOISTWAY  
NOTES

4 S5A NTS

NO. DATE REVISION


S.E. PC APPROVAL

REGISTERED PROFESSIONAL ENGINEER  
Kenneth A. Luttrell  
No. 1418  
Structural Engineer  
STATE OF CALIFORNIA  
THESE DRAWINGS ARE PRELIMINARY  
AND NOT FOR CONSTRUCTION  
UNLESS STAMPED & SIGNED BY  
THE ENGINEER OF RECORD.

**MFM**  
MODULAR  
ELEVATOR  
MANUFACTURING

**MODULAR ELEVATOR  
MANUFACTURING, INC.**  
P.O. BOX 3998  
CHATSORTH, CA. 91313  
800-755-9359

PRE-CHECK (PC) DOCUMENTS  
2016 CBC CODE  
A SEPARATE PROJECT APPLICATION FOR  
CONSTRUCTION IS REQUIRED.

THIS INFORMATION IS CONFIDENTIAL  
AND REMAINS THE PROPERTY OF  
MODULAR ELEVATOR MANUFACTURING,  
INC. ITS USE, REPRODUCTION OF, OR  
DISSEMINATION WITHOUT THE EXPRESS  
PERMISSION OF MODULAR ELEVATOR  
MANUFACTURING, INC. IS STRICTLY  
PROHIBITED.

PROJECT NO: 16093  
DATE: 10/19/2018  
ENGINEERED BY: KAL  
DRAWN BY: MTC

FILE NO. PC-MEM  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
APPL. 03-118291  
AC: JLE FLS: ED SS: MC/HK  
DATE: 11/3/2018  
PRE-CHECK (PC) DOCUMENT  
CODE: 2016  
A SEPARATE PROJECT APPLICATION FOR  
CONSTRUCTION IS REQUIRED.

SHEET NAME:  
**HOISTWAY PLAN &  
SECTIONS**  
MAX 44'-0" TOWER HT

SHEET NO:

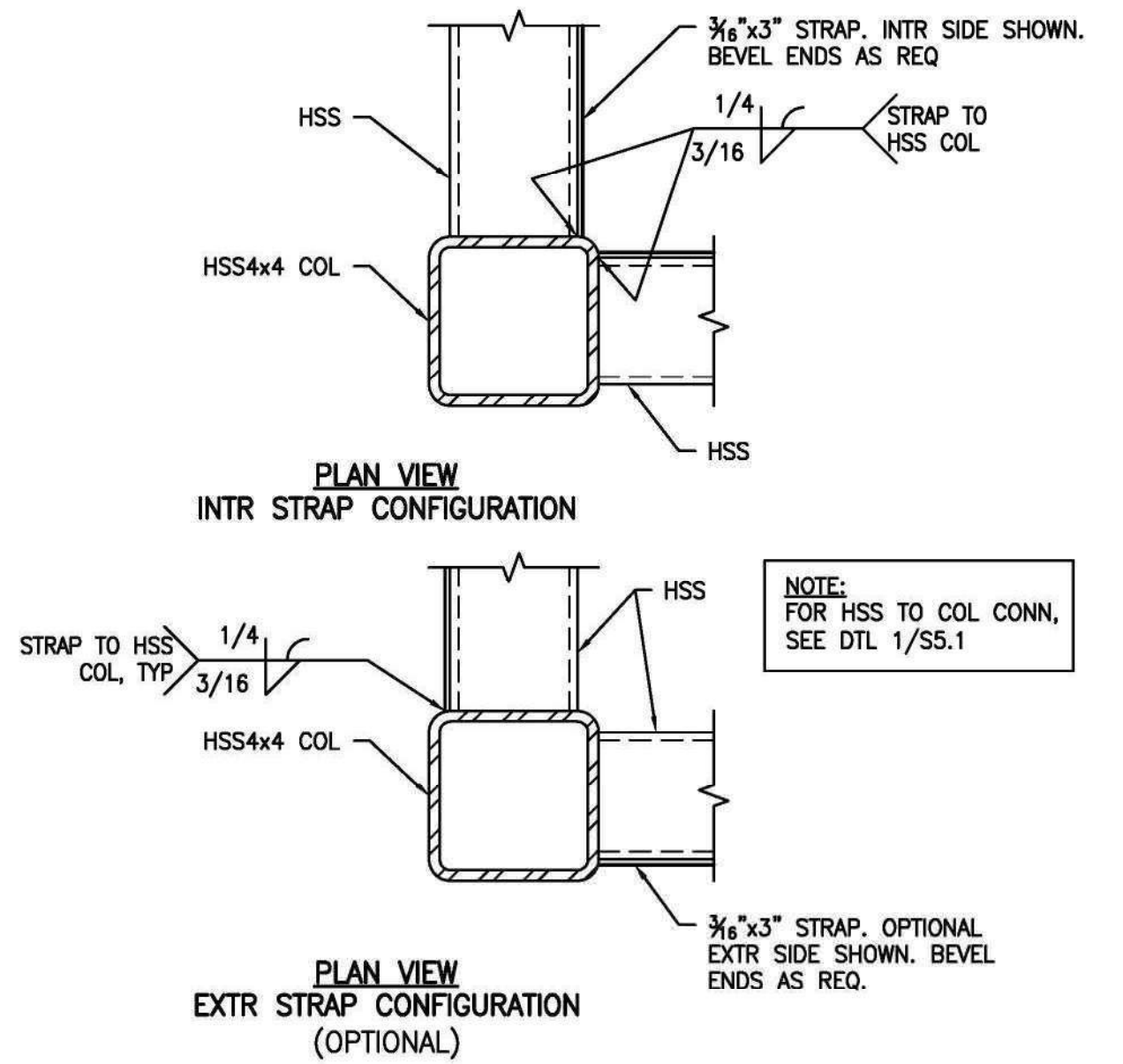
**S5A-1**





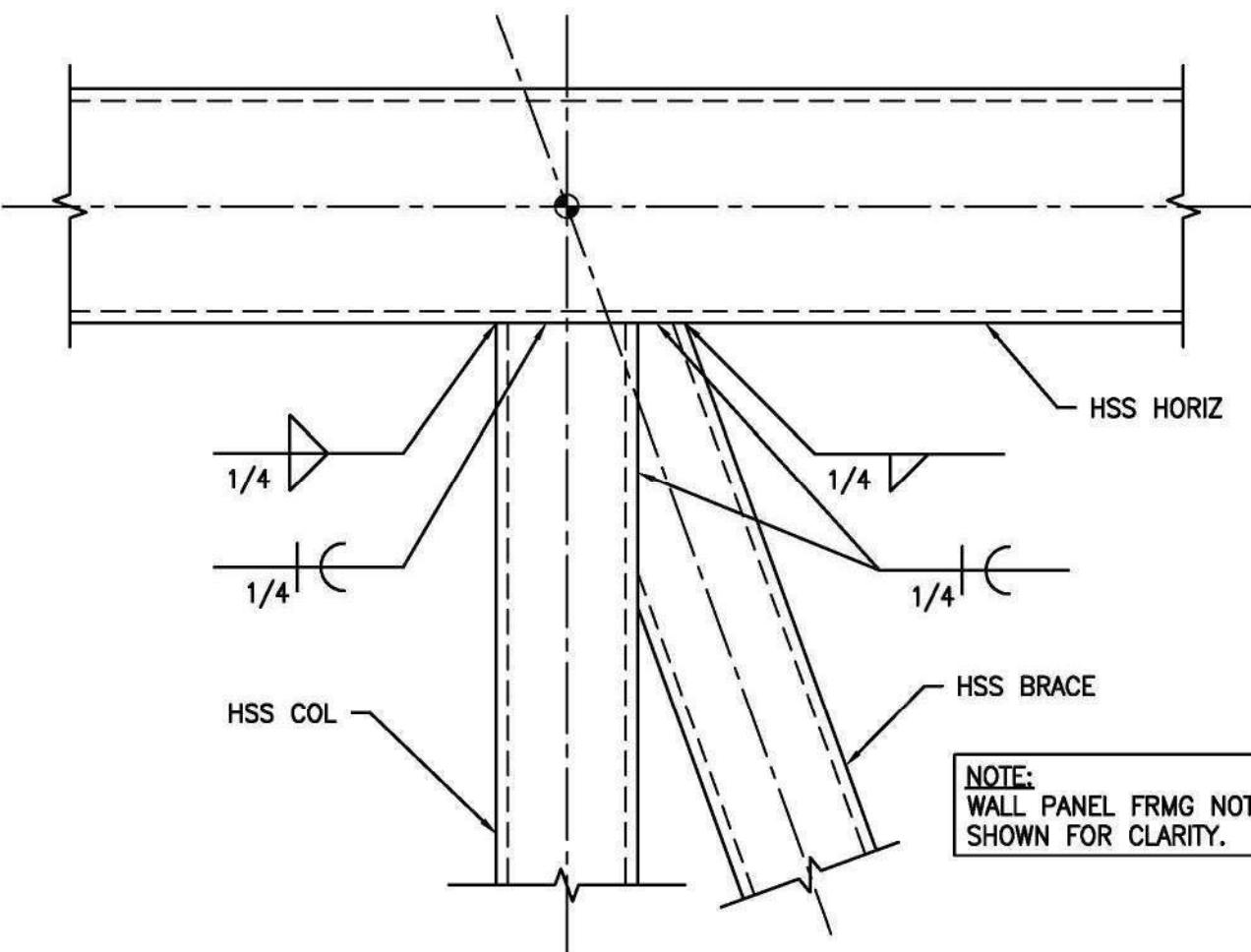


STRAP POSITION SELECTOR NON-RATED WALL ONLY		
<input checked="" type="checkbox"/> INTERIOR	<input checked="" type="checkbox"/> SIDE WALL	<input checked="" type="checkbox"/> END WALL
<input type="checkbox"/> EXTERIOR	<input type="checkbox"/> SIDE WALL	<input type="checkbox"/> END WALL



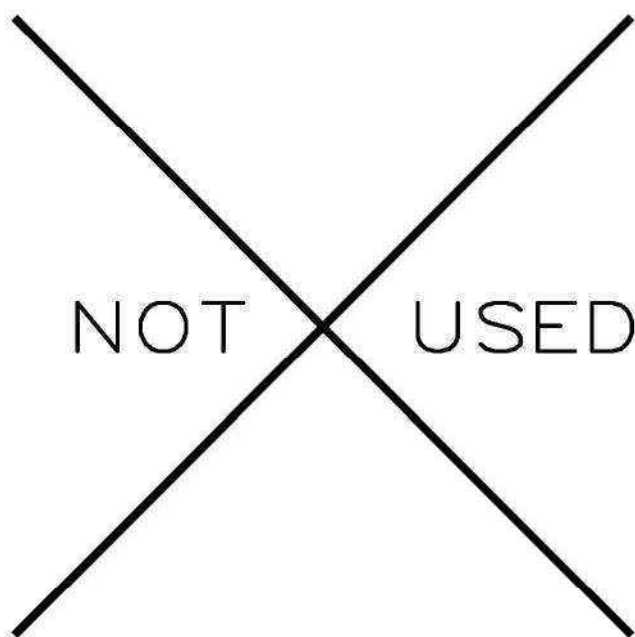
COL AT NON-RATED WALL  
DETAIL

10  
S5.1  
NTS



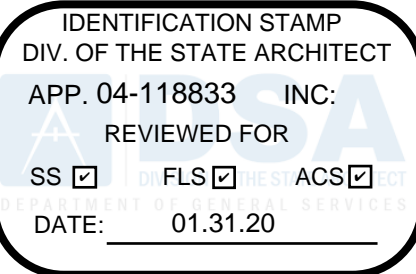
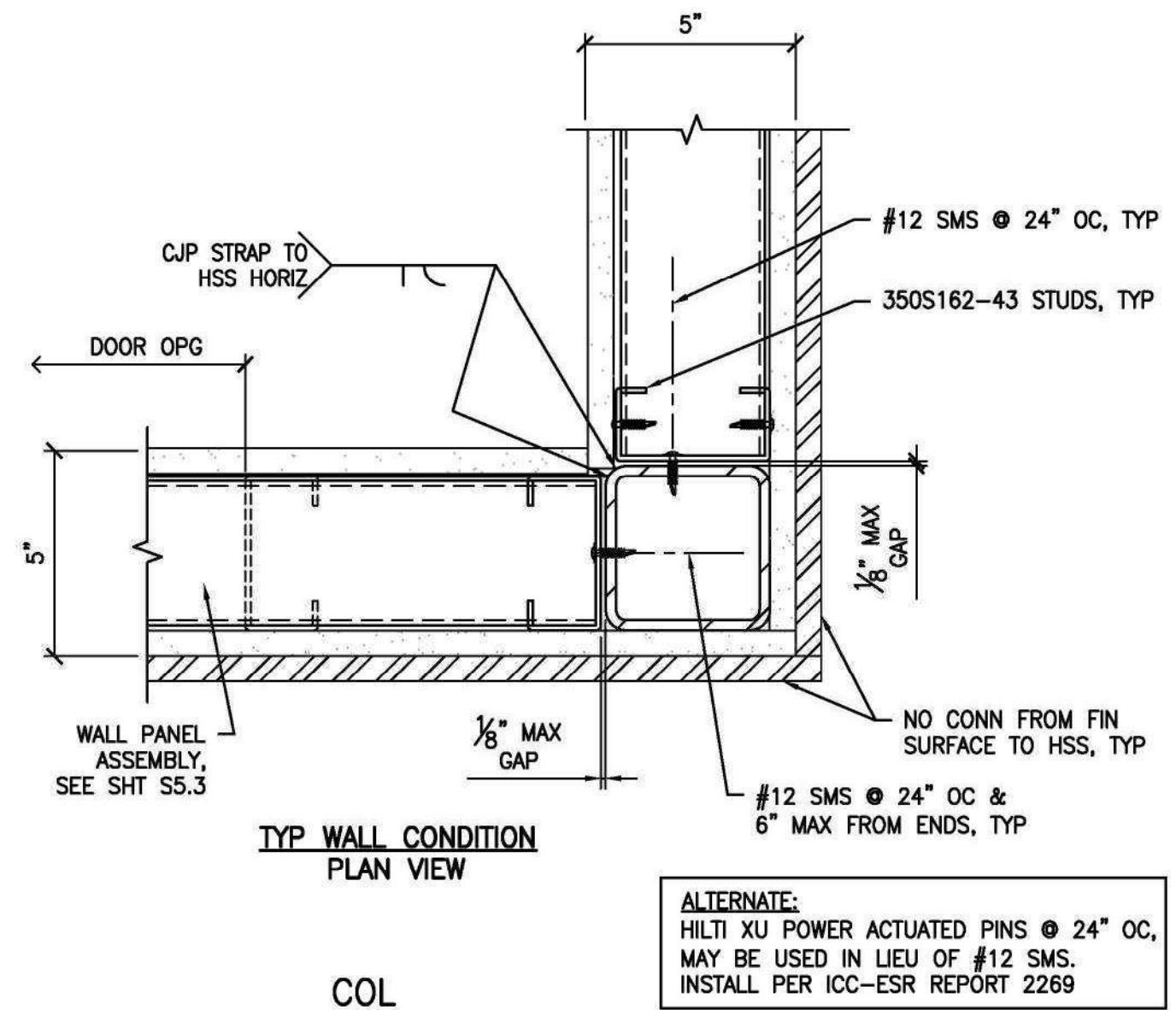
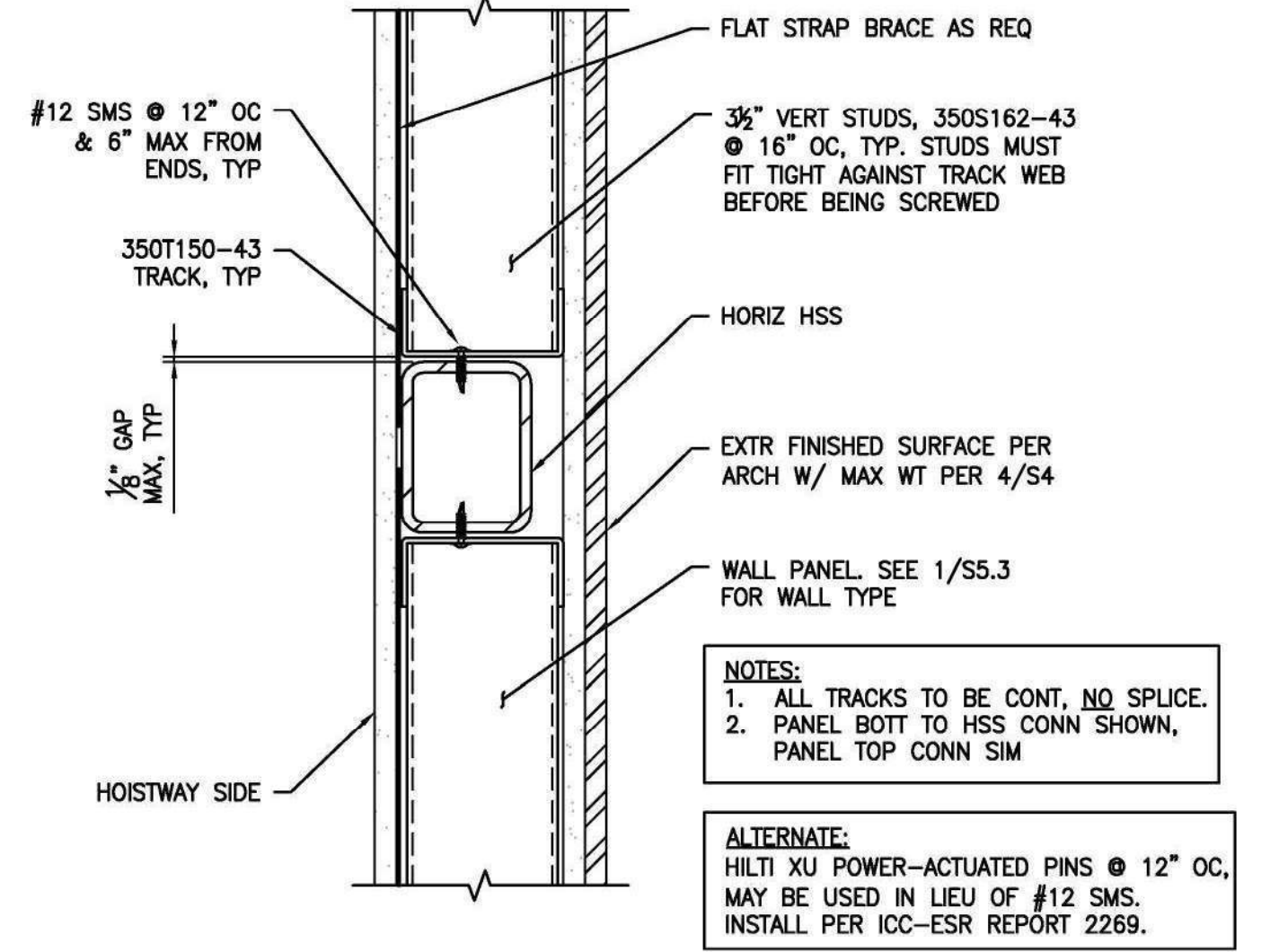
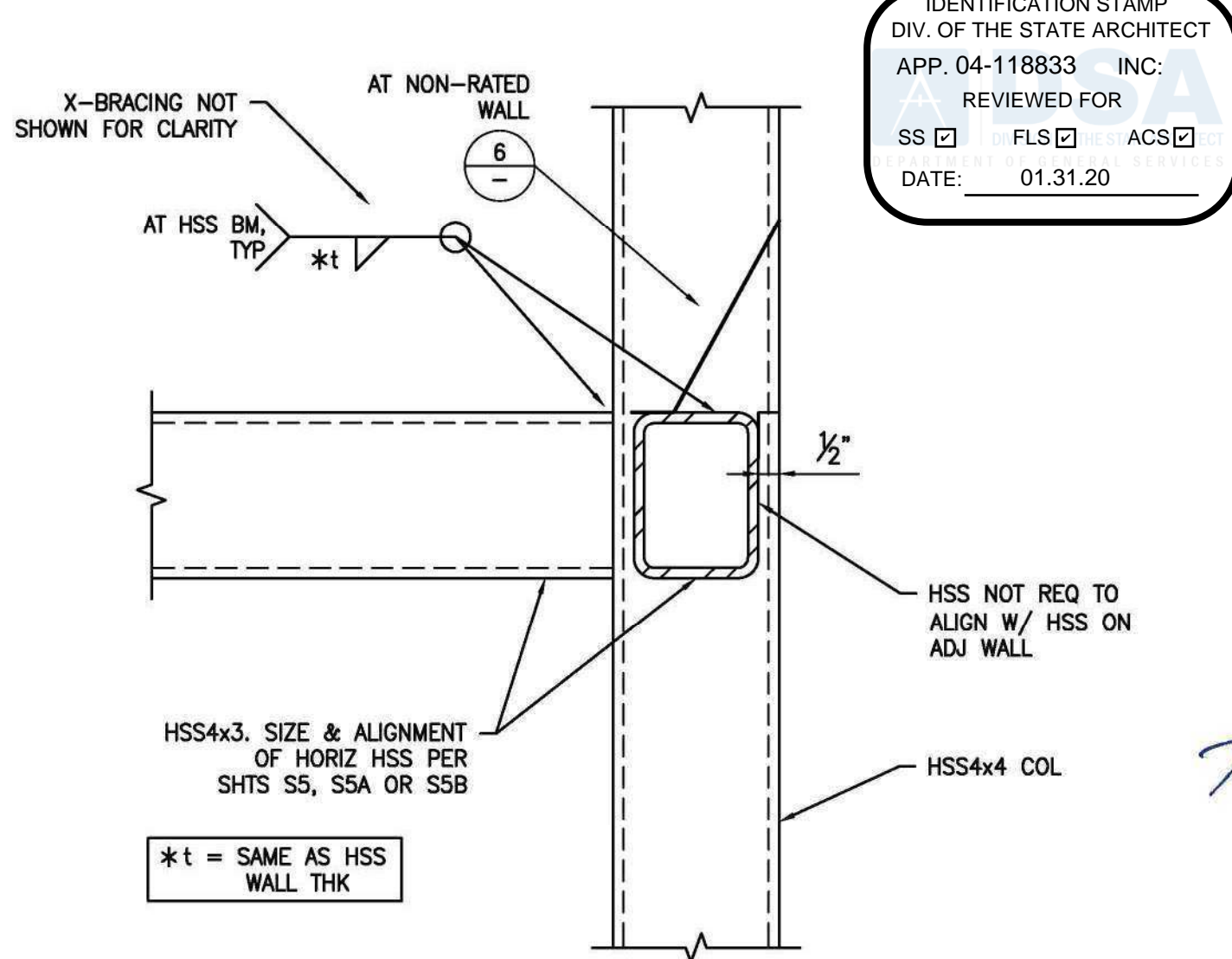
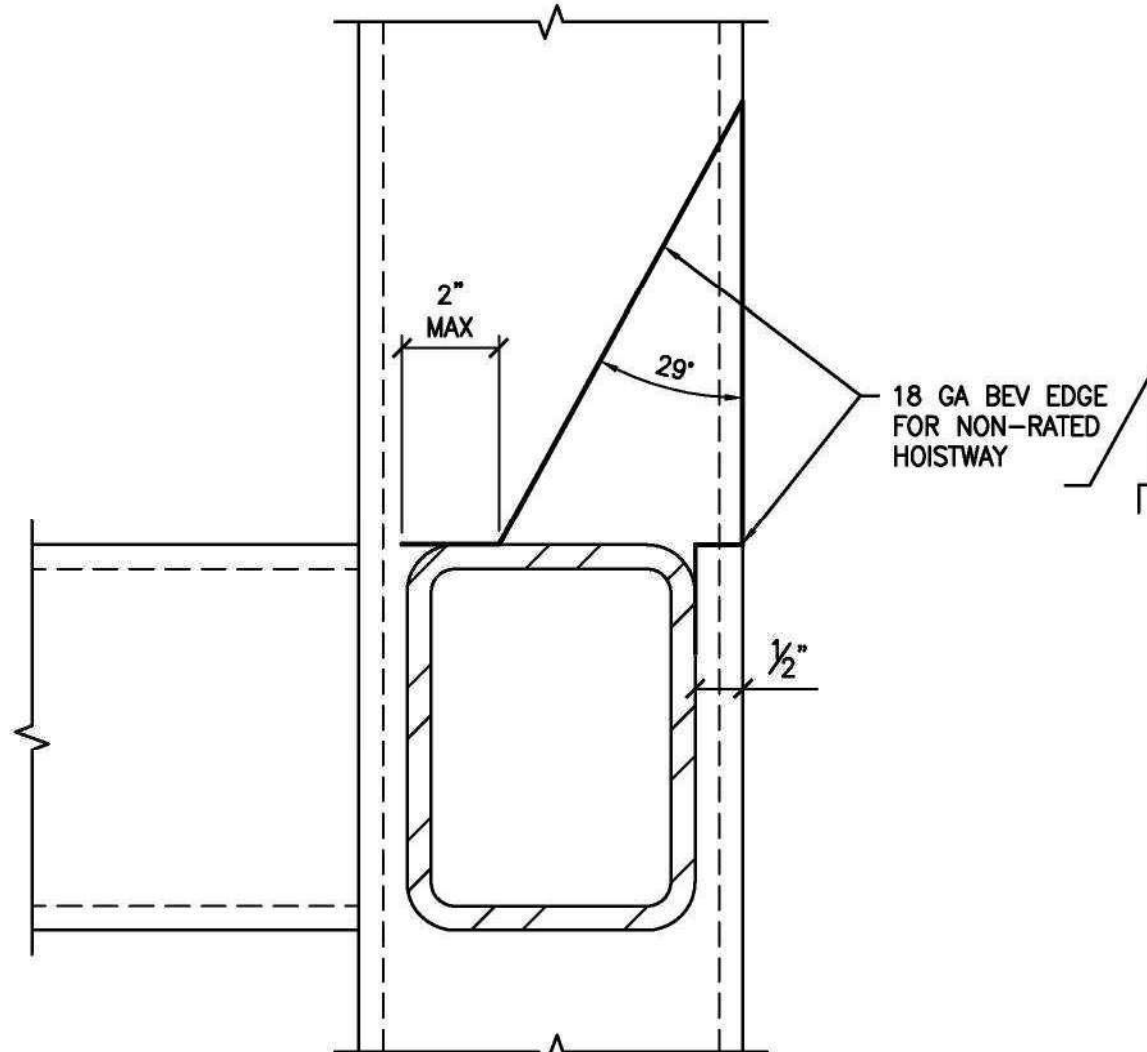
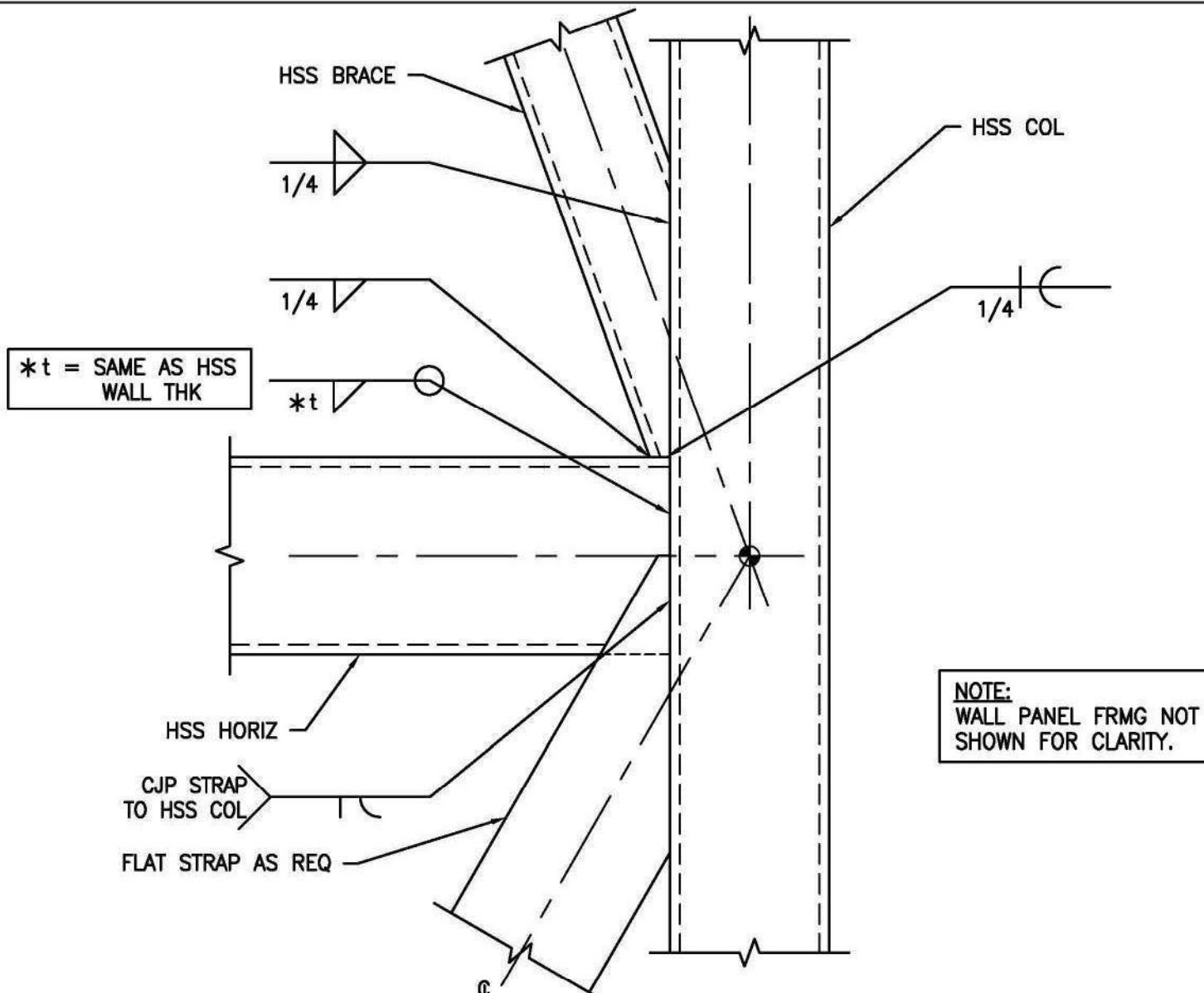
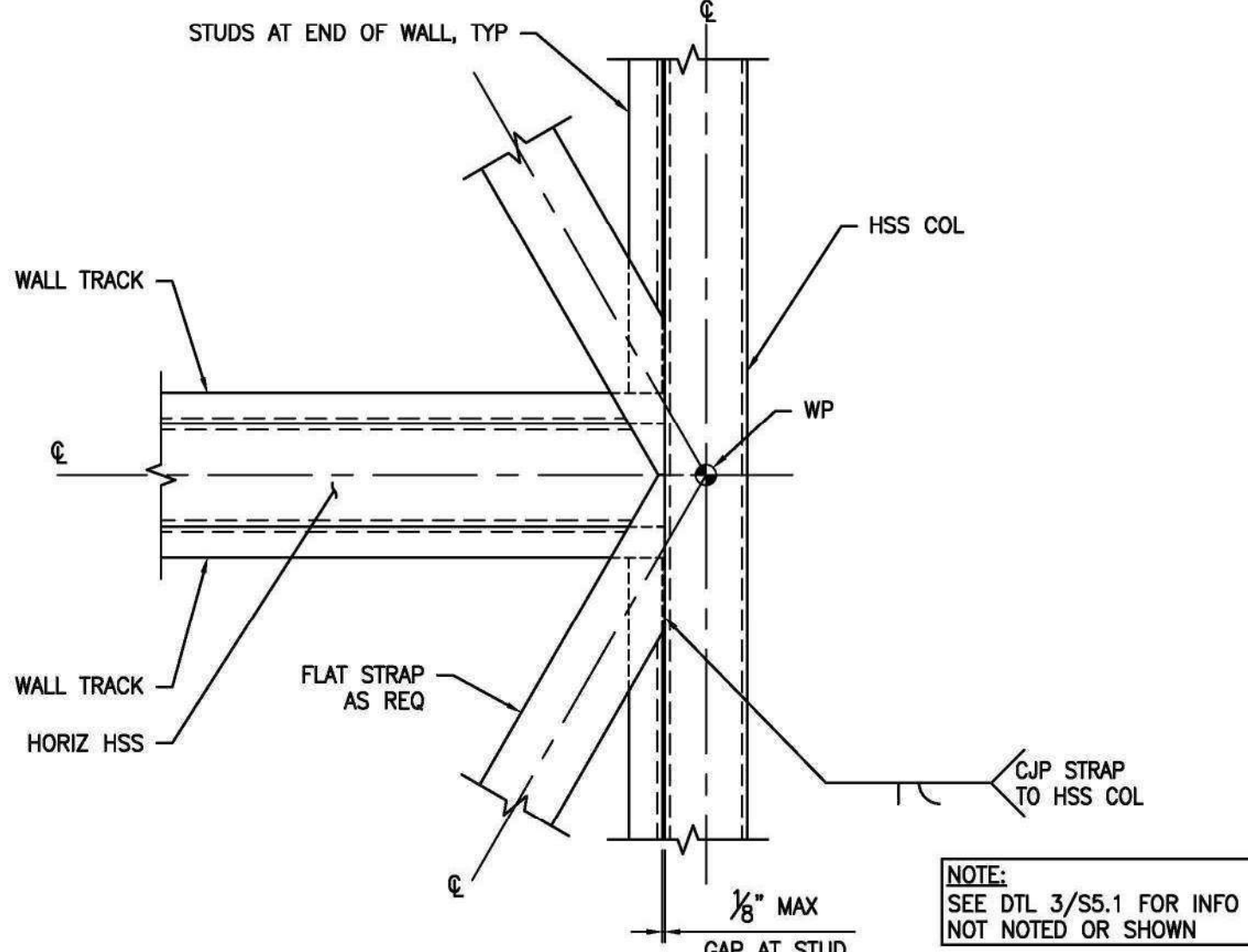
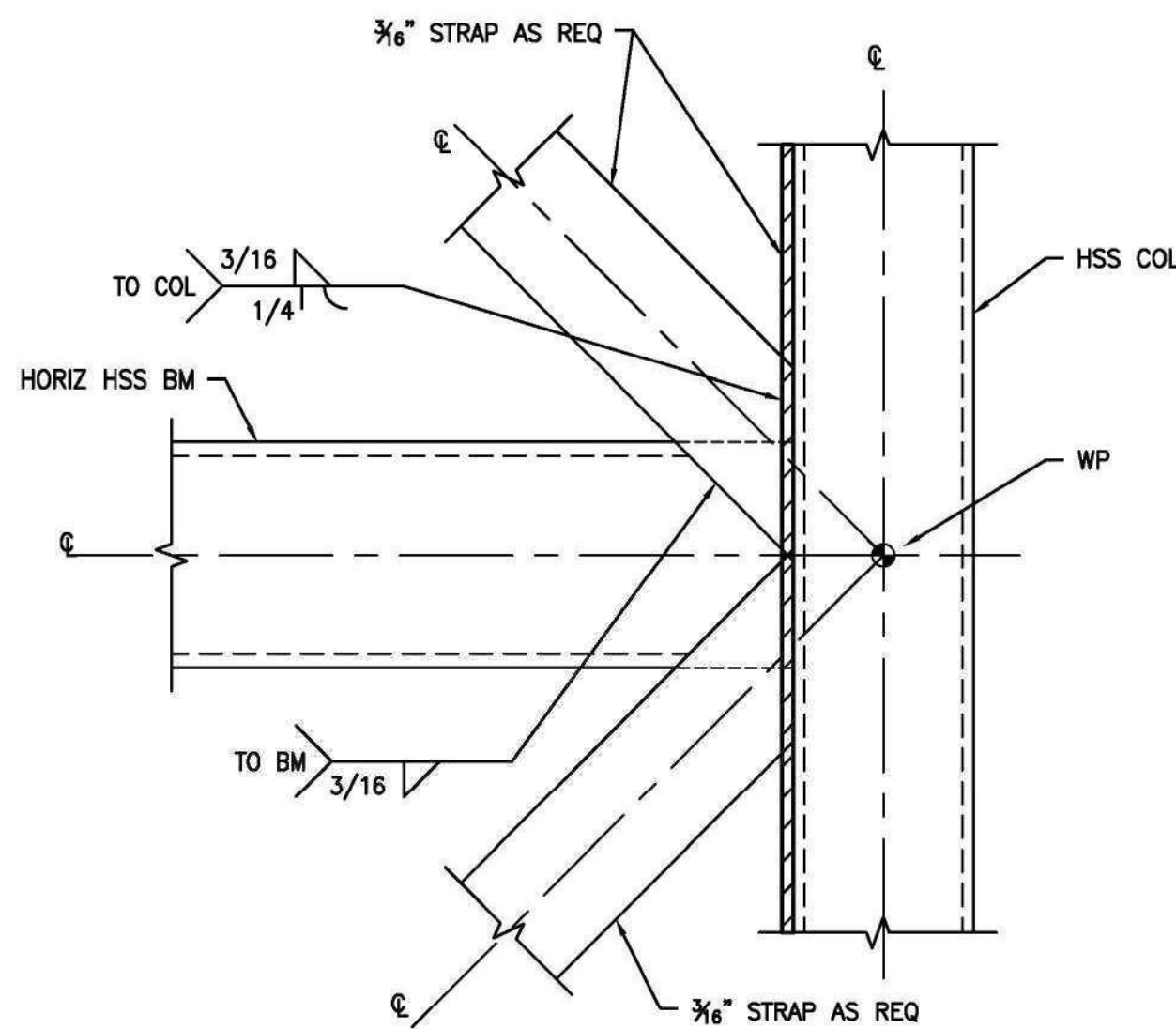
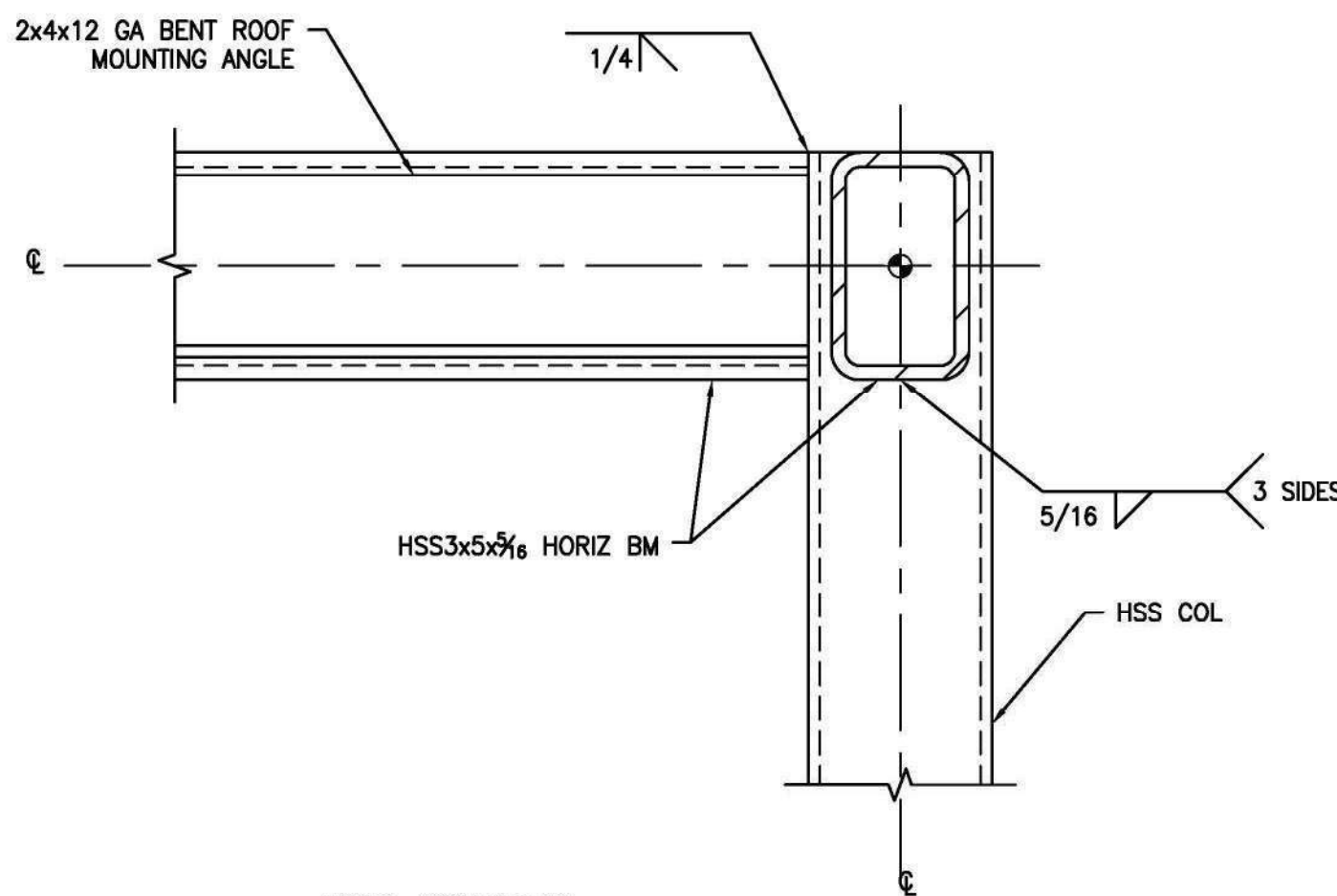
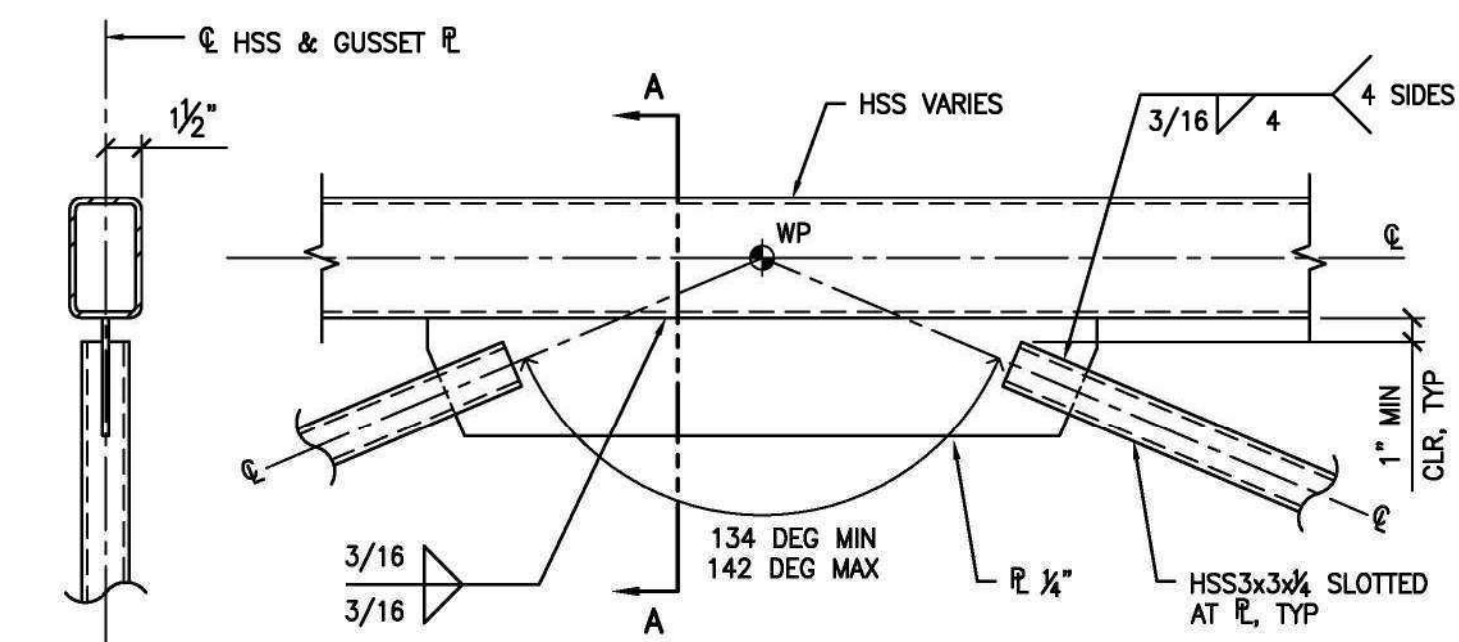
DOOR PANEL BRACE CONN  
DETAIL

11  
S5.1  
3" = 1'-0"



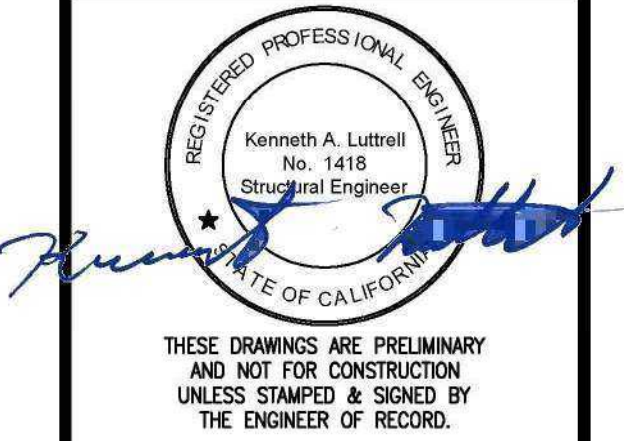
DETAIL

12  
S5.1



NO.	DATE	REVISION

S.E. PC APPROVAL



MODULAR ELEVATOR  
MANUFACTURING, INC.  
P.O. BOX 3998  
CHATSWORTH, CA. 91313  
800-755-9359

PRE-CHECK (PC) DOCUMENTS  
2016 CBC CODE  
A SEPARATE PROJECT APPLICATION FOR  
CONSTRUCTION IS REQUIRED.

THIS INFORMATION IS CONFIDENTIAL  
AND REMAINS THE PROPERTY OF  
MODULAR ELEVATOR MANUFACTURING,  
INC. ITS USE, REPRODUCTION OF, OR  
DISSEMINATION WITHOUT THE EXPRESS  
PERMISSION OF MODULAR ELEVATOR  
MANUFACTURING, INC. IS STRICTLY  
PROHIBITED.

PROJECT NO: 16093  
DATE: 10/19/2018  
ENGINEERED BY: KAL  
DRAWN BY: MTC



SHEET NAME:  
HOISTWAY DETAILS

SHEET NO:  
S5.1