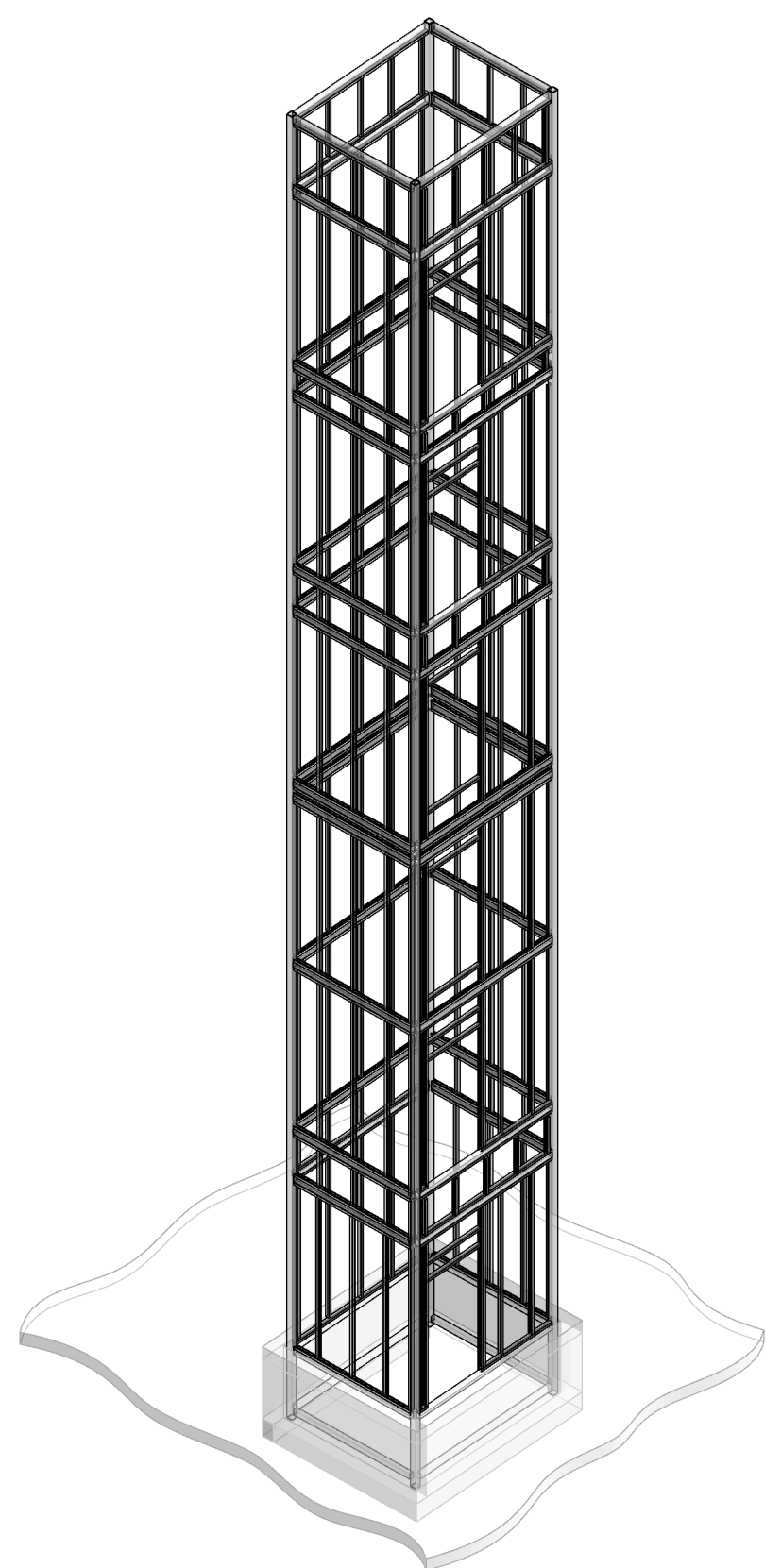


MODULAR ELEVATOR



PROJECT DATA		
SITE ADDRESS: 2583 WEST BLVD, LOS ANGELES, CA 90016		
APPLICABLE CODES		
PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2020:		
2019 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.		
2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2018 INTERNATIONAL BUILDING CODE VOLUMES 1-3 AND 2019 CALIFORNIA AMENDMENTS)		
2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)		
2019 CALIFORNIA BUILDING CODE TITLE 8		
2019 CALIFORNIA BUILDING CODE (CBC) CHAPTER 11B (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)		
2019 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R. (2018 UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)		
2019 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24 C.C.R. (2018 UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)		
2019 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.		
2013 SAFETY CODE FOR ELEVATORS AND ESCALATORS (ASME A17.1-2004)		
2018 INTERNATIONAL FIRE CODE		
2019 FIRE CODE PART 9, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)		
2019 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.		
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS		
TITLE 8 C.C.R., CH4, SUB-CH6-ELEVATOR SAFETY ORDERS		
PARTIAL LIST OF APPLICABLE STANDARDS:		
NFPA 13	AUTOMATIC SPRINKLER SYSTEMS	2016 EDITION WITH 2019 CALIFORNIA AMENDMENTS
NFPA 14	STANDPIPE SYSTEMS (CALIFORNIA AMENDED)	2016 EDITION WITH 2019 CALIFORNIA AMENDMENTS
NFPA 17a	WET CHEMICAL SYSTEMS	2017 EDITION
NFPA 20	SANITARY PUMPS	2016 EDITION
NFPA 24	PRIVATE FIRE MAINS	2016 EDITION WITH 2019 CALIFORNIA AMENDMENTS
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED)	2016 EDITION WITH 2019 CALIFORNIA AMENDMENTS
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2015 EDITION
ASME 17.1/CSAB44	ELEVATOR STANDARD	2004 EDITION WITH A17.1 a/CSA B44a-08 ADDENDA
REFERENCE CODE SECTIONS FOR NFPA STANDARDS - 2019 CBC CHAPTER 35. SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS		

DESIGN CRITERIA AND LOADS	
RISK CATEGORY OF BUILDING	II
ELEVATOR CAR CAPACITY	ELEVATOR 1 3500 LBS
<i>WIND DESIGN - ASCE 7 CHAPTER 26, 27, & 30 (STRENGTH LEVEL UNLESS NOTED)</i>	
- WIND ANALYSIS PROCEDURE USED	DIRECTIONAL PROCEDURE
- BASIC WIND SPEED	92 MPH
*HOISTWAYS ARE INTERNAL, NO WIND LOADS APPLIED	
<i>SEISMIC DESIGN - ASCE 7 CHAPTER 11, 12, AND 13 (STRENGTH LEVEL UNLESS NOTED)</i>	
- SEISMIC ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE (ELF)
- MAPPED MCE:	S _s = 1.973g S ₁ = 0.698g
- SOIL SITE CLASSIFICATION	D
- DESIGN ACCEL:	S _{DS} = 1.315g
- SEISMIC DESIGN CATEGORY (SDC)	D
- COMPONENT IMPORTANCE FACTOR (I _p)	1.0
- MECHANICAL COMPONENT	ELEVATOR AND ESCALATOR COMPONENTS
- COMPONENT AMPLIFICATION FACTOR (a _p)	2.5
- COMPONENT RESPONSE MODIFICATION FACTOR (R _p)	2.0
- COMPONENT OVERSTRENGTH FACTOR (Ω _h)	2.0
- REDUNDANCY FACTOR (ρ)	1.3

DESIGN GRAVITY LOADS		
AREA	DEAD LOADS (PSF) UNO	REMARKS AND NOTES
ROOF LIVE LOAD	20	
ROOF DEAD LOAD	20	
WALL DEAD LOAD	15	

PROJECT DATA INTERIOR OR EXTERIOR INSTALLATION	
OCCUPANCY CLASSIFICATION	SEE ARCH DRAWINGS
CONSTRUCTION TYPE	SEE ARCH DRAWINGS
ELEVATOR BUILDING AREA	88 SQ FT (APPROX)
MODULAR EQUIPMENT ROOM AREA	85 SQ FT (APPROX)
NUMBER OF LEVELS	6
FIRE SPRINKLERS	NOT PART OF THE APPROVAL. SPRINKLER REQUIREMENTS TO BE INCLUDED IN THE SITE APPLICATION DRAWINGS

- NOTES**
- THESE DRAWINGS AND/OR SPECIFICATIONS AND/OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THE STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME FOR DESIGN INTENT AND APPEAR TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, OF THE CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY AXIOM PLLC.

THE ITEMS LISTED BELOW HAVE BEEN COORDINATED WITH MY PLANS AND SPECIFICATIONS AND ARE ACCEPTABLE FOR INCORPORATION WITH MY PLANS AND SPECIFICATIONS AND ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN THE RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELEGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK.)

MEM S AND VT DRAWINGS AND HAVE BEEN REVIEWED AND ACCEPTED

	07/20/2023
SIGNATURE OF THE ARCHITECT/ENGINEER	DATE
S 6970	12/31/2023
LICENSE NUMBER	EXPIRATION DATE
 - LOCATION OF ELEVATOR IS TO COMPLY WITH CBC CHAPTERS 3, 5, 6, 10 AND 30.
 - ANY FIRE ALARM SUBMITTAL SHALL COMPLY WITH 2019 CBC, AS WELL AS CBC SECTION 305 AND NFPA 72. FIRE ALARM PROVIDED BY OTHERS.
 - AN ELEVATOR CAPABLE OF ACCOMODATING AN AMBULANCE STRETCHER OR GURNEY IS REQUIRED FOR THIS PROJECT, UNLESS EXEMPTION CAN BE CONFIRMED BY THE LOCAL AHD. A GURNEY COMPLIANT ELEVATOR SHALL BE IDENTIFIED WITH THE INTERNATIONAL SYMBOL EMERGENCY MEDICAL SERVICES (STAR OF LIFE) SIGNAGE COMPLYING WITH SECTION 300.4 OF THE 2022 CBC
 - NOTICE TO THE CONTRACTOR/BUILDER/INSTALLER/SUB-CONTRACTOR/OWNER-BUILDER: BY USING THIS PERMITTED CONSTRUCTION DRAWINGS SET FOR CONSTRUCTION/INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU ACKNOWLEDGE AND ARE AWARE OF THE REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS. YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF SAN DIEGO FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES (LATEST ISSUE).
 - NOTICE TO THE APPLICANT/OWNER/OWNER'S AGENT/ARCHITECT OR ENGINEER OF RECORD: BY USING THIS PERMITTED CONSTRUCTION DRAWING SET FOR CONSTRUCTION/INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF THE AUTHORITY, CITY, OR COUNTY HAVING JURISDICTION FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES. (NEW ISSUE)

SHEET INDEX			
SHEET NUMBER	SHEET NAME	CURRENT REVISION	CURRENT REVISION DATE
S1	STRUCTURAL COVER SHEET		
S2	GENERAL NOTES AND ABBREVIATIONS		
S3	FOUNDATION PIT PLAN		
S3.1	FOUNDATION DETAILS		
S4	HOISTWAY ROOF PLAN		
S4.1	HOISTWAY AND ROOF DETAILS		
S5	HOISTWAY PLAN AND ELEVATIONS		
S5.1	HOISTWAY DETAILS		
S5.2	MISCELLANEOUS DETAILS		
S5.3	HOISTWAY WALL PANELS		
S7	RAIL AND POWER UNIT DETAILS		
S8	HOISTWAY / STRUCTURE CONNECTION		
VT1	ELEVATOR DATA		
VT2A	ELEVATOR LAYOUT		
VT3	ELEVATOR CAB		
VT4	ACCESS COMPLIANCE		
VT4A	ACCESS COMPLIANCE		
SHEET NUMBER	SHEET NAME	CURRENT REVISION	CURRENT REVISION DATE
PD-1	ELEVATOR LAYOUT		

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 HEADQUARTERS:
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 PHONE: 208-639-4520 AxiomPLLC.com
 Axion Project Number: **A22-099**
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PROJECT: **2583 WEST BLVD**
 MODULAR ELEVATOR
 OWNER / CLIENT: **TL SHIELD**

PROFESSIONAL SEAL

REVISION:	DATE:
	07/20/2023
DRAWN BY:	CHECKED BY:
AFV	JB
DESIGNED BY:	JOB NUMBER:
KH	A22-099

STRUCTURAL COVER SHEET

S1

2023-07-20 100% CD

STRUCTURAL ABBREVIATIONS

Table with 4 columns: Symbol, Description, Mechanical Abbreviation, Mechanical Description. Includes items like # NUMBER MECH MECHANICAL, @ AT MFG MANUFACTURING, etc.

STRUCTURAL UNITS

Table with 3 columns: Unit Abbreviation, Unit Name, Mechanical Abbreviation, Mechanical Description. Includes #, LB POUND, FT/LB FOOT POUND, etc.

STRUCTURAL ORGANIZATIONS

Table with 2 columns: Organization Abbreviation, Organization Name. Includes ACI AMERICAN CONCRETE INSTITUTE, AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION, etc.

STRUCTURAL STEEL

DESIGN STANDARDS: STRUCTURAL STEEL FOR THIS PROJECT IS DESIGNED IN ACCORDANCE WITH AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS. STRUCTURAL STEEL FOR THIS PROJECT IS DESIGNED PER AISC STEEL CONSTRUCTION MANUAL, FOURTEENTH EDITION.

REFERENCE STANDARDS:

- 1. IBC, CHAPTER 22 STEEL, HEREAFTER REFERENCED AS IBC.
2. ANSI/AISC 303-16 - CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES, HEREAFTER REFERENCED AS AISC 303.
3. ANSI/AISC 360-16 - SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, HEREAFTER REFERENCED AS AISC 360.
4. RCSC 2014 - SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS, PREPARED BY "RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS, HEREAFTER REFERENCED AS RCSC.
5. AWS D1.1-2015 - STRUCTURAL WELDING CODE- STEEL, HEREAFTER REFERENCED AS AWS D1.1.

SUBMITTALS:

- 1. SHOP DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH AISC 360 SECTION N.1 AND AISC 303 SECTION 4.
2. SUBMIT WELDER'S CERTIFICATES VERIFYING QUALIFICATION WITHIN WELDER MILL CERTIFICATES AVAILABLE UPON REQUEST.
3. AFFIDAVIT STATING THE STEEL PROVIDED MEETS THE REQUIREMENTS OF THE GRADE(S) SPECIFIED.
4. MANUFACTURER'S ENGINEERING AND INSTALLATION INFORMATION FOR POST-INSTALLED ANCHORS INCLUDING APPLICABLE ICC EVALUATION SERVICE (ESR-XXXX) REPORT.
5. QA PLAN AND PROCEDURES OF FABRICATION SHOP.

STEEL MATERIALS

Table with 2 columns: Material Description, Material Specification. Includes WIDE FLANGE (W), TEE (WT) SHAPES ASTM A992, Fy = 50 KSI, CHANNEL (C), ANGLES (L), PLATES (PL), AND BARS ASTM A36, Fy = 36 KSI, etc.

ALL MEMBERS ARE TO BE ERECTED WITH THE NATURAL MILL CAMBER OR INDUCED CAMBER UP, UNLESS OTHERWISE NOTED ON THE DRAWINGS. BEAM CAMBER ON THE DRAWINGS IS THE UPWARD CAMBER REQUIRED IN THE BEAM AS DELIVERED TO THE JOBSITE. CONTRACTOR TO CONSIDER CAMBER LOSS, IF ANY, DUE TO SHIPPING AND HANDLING.

WELDING:

- 1. WELDING SHALL CONFORM TO AWS D1.1 AND VISUALLY CONFORM TO AWS SECTION 6 AND TABLE 6.1. FABRICATION/ERECTION INSPECTIONS BY THE CONTRACTOR PER AWS D1.1 SECTION 6. SHALL BE BY ASSOCIATE/CERTIFIED INSPECTORS (CAWI/CWI) PER AWS QC1 OR AWS B5.1. SPECIAL INSPECTIONS (VERIFICATION INSPECTIONS) SHALL BE BY A CERTIFIED WELDING INSPECTOR (CWI) OR SENIOR WELDING INSPECTOR (SCWI) PER AWS B5.1.
2. WELDERS SHALL BE QUALIFIED FOR THE SPECIFIC PRE-QUALIFIED JOINTS REQUIRED BY THE DESIGN AND CERTIFIED IN ACCORDANCE WITH AWS REQUIREMENTS.
3. WELDER QUALIFICATIONS AND WPS'S SHALL BE MAINTAINED AT THE SITE OF THE WORK AND SHALL BE READILY AVAILABLE FOR INSPECTION UPON REQUEST, BOTH IN THE SHOP AND IN THE FIELD.
4. USE E70 OR E71T, 70 KSI STRENGTH ELECTRODES APPROPRIATE FOR THE PROCESS SELECTED.
5. WELDING OF SHEAR STUDS ON STEEL BEAMS FOR COMPOSITE CONSTRUCTION: HEADED SHEAR STUDS WELDED TO TOPS OF WIDE FLANGE BEAMS, SHALL BE WELDED IN ACCORDANCE WITH AWS D1.1 CHAPTER 7 "STUD WELDING".
6. WELDING OF HEADED STUDS ON EMBEDDED STEEL PLATES FOR ANCHORAGE TO CONCRETE: HEADED STUDS WELDED TO STEEL EMBEDMENT PLATES CAST MONOLITHIC WITH CONCRETE AND SHALL BE WELDED IN ACCORDANCE WITH AWS D1.1 CHAPTER 7 "STUD WELDING", UNLESS NOTED OTHERWISE ON PLANS.
7. ALL WELDING IS TO BE DONE BY CERTIFIED WELDERS USING E70XX ELECTRODES, UNO. ER70S-6 WELDING WIRE MAY BE USED FOR NON-FULL PENETRATION WELDS. THE USE OF E70-T4 WELDING WIRE IS NOT ALLOWED FOR ANY APPLICATION. ALL WELDS SHALL BE IN CONFORMITY WITH THE PROJECT SPECIFICATIONS AND STRUCTURAL WELDING CODE STEEL OF THE AMERICAN WELDING SOCIETY (AWS D1.1: D1.8 LATEST REVISION). SUBMIT ALL WELDING PROCEDURES AND SPECIFICATIONS TO ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO BEGINNING FABRICATION.
8. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC 360-16, SECTION J2.2b.

HIGH-STRENGTH BOLTING: HIGH STRENGTH BOLTS SHALL BE OF THE ASTM GRADE AND TYPE SPECIFIED IN THE DRAWINGS. UNLESS NOTED OTHERWISE, INSTALL BOLTS IN JOINTS IN ACCORDANCE WITH THE RCSC SPECIFICATION AS JOINT TYPE ST, "SNUG TIGHT"- PER RCSC SPECIFICATION TABLE 4.1 AND SECTION 8.1. INSPECTION IS PER RCSC SECTION 9.1. BOLTS HAVE BEEN DESIGNED AS ASTM F3125 GRADE A325-N BOLTS - "THREADS INCLUDED IN THE SHEAR PLANE".

- 1. FOR ALL HIGH STRENGTH BOLTS, HARDENED WASHERS SHALL BE PROVIDED UNDER THE TURNING ELEMENT OF THE BOLT FOR TORQUING AS REQUIRED.
2. HOLES FOR MACHINE BOLTS SHALL BE DRILLED AND OF THE SAME NOMINAL DIAMETER AS THE BOLT PLUS 1/16".
3. COLUMN BASE PLATE ANCHOR BOLTS MAY BE OVERSIZED IN ACCORDANCE WITH AISC 360 AND TABLE 14-2 OF THE 15TH EDITION OF THE STEEL CONSTRUCTION MANUAL, WITH HEAVY HEX NUTS OR PLATE WASHERS UNDER BASE PLATE.
4. USE STANDARD AISC GAUGE AND PITCH FOR BOLTS EXCEPT AS OTHERWISE NOTED.
5. "SLIP-CRITICAL" BOLTED CONNECTIONS:
A. "SLIP-CRITICAL" CONNECTIONS (A325SC DESIGN VALUES WITH SPECIAL INSPECTION) ARE REQUIRED WHERE INDICATED.
B. THE SPECIAL INSPECTOR MUST BE PRESENT DURING ENTIRE INSTALLATION AND TIGHTENING OPERATION OF "SLIP-CRITICAL" CONNECTIONS.
6. SPlicing STRUCTURAL MEMBERS WHERE NOT DETAILED ON THE DRAWING IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER AND AHJ.
7. FOR ALL HIGH STRENGTH BOLTS, HARDENED WASHERS SHALL BE PROVIDED UNDER THE TURNING ELEMENT OF BOLT FOR TORQUING AS REQUIRED.
8. HOLES FOR MACHINE BOLTS SHALL BE DRILLED AND OF THE SAME NOMINAL DIAMETER AS THE BOLT PLUS 1/16".
9. COLUMN BASE PLATE ANCHOR BOLT HOLES MAY BE OVERSIZED IN ACCORDANCE WITH AISC 360 AND TABLE 14-2 OF THE 15TH EDITION OF THE STEEL CONSTRUCTION MANUAL, WITH HEAVY HEX NUTS OR PLATE WASHERS UNDER BASE PLATES.
10. USE STANDARD AISC GAGE AND PITCH FOR BOLTS EXCEPT AS OTHERWISE NOTED.
11. "SLIP-CRITICAL" BOLTED CONNECTIONS:
A. "SLIP-CRITICAL" CONNECTIONS (A325SC DESIGN VALUES WITH SPECIAL INSPECTION) ARE REQUIRED WHERE INDICATED.
B. THE SPECIAL INSPECTOR MUST BE PRESENT DURING THE ENTIRE INSTALLATION AND TIGHTENING OPERATION OF "SLIP-CRITICAL" CONNECTIONS.
12. PROVIDE 3" MINIMUM CONCRETE COVERAGE ON ALL STEEL BELOW GRADE.
13. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS ARE PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.
14. NON-SHRINK GROUT: A PRE-MIXED NON-METALLIC FORMULA WITH NO CHLORIDES HAVING THE FOLLOWING CHARACTERISTICS:
A. FLOWABLE MIX AT TIME OF PLACEMENT
B. NO SHRINKAGE AFTER PLACEMENT
C. COMPRESSIVE STRENGTH OF 5000 PSI (MINIMUM) AT 7 DAYS
D. CONFORMS TO ASTM C1107 (GRADE C)
15. TEMPORARILY STABILIZE ELEVATOR HISTORY TO PREVENT LATERAL DISPLACEMENT BEFORE ADDING VERTICAL LOAD. PLACE NON-SHRINK GROUT (EMBCO 636, RAPIDEST CEMENTALL OR APPROVED EQUAL) UNDER ALL BASE PLATE AND ALLOW TO SET PER MANUFACTURER'S RECOMMENDATION BEFORE REMOVING LATERAL STABILIZATION.
16. THICKNESS DIMENSIONS OF HSS ARE MINIMUMS. THICKER HSS MEMBERS UP TO 1/2" MAXIMUM MAY BE USED.

STRUCTURAL STEEL CONT.

- PROTECTIVE COATING REQUIREMENTS:
1. SHOP PAINTING: CONFORM TO AISC 360 SECTION M3 AND AISC 303 SECTION 6.5 UNLESS A MULTI-COAT SYSTEM IS REQUIRED PER THE PROJECT SPECIFICATIONS.
2. INTERIOR STEEL:
A. UNLESS NOTED OTHERWISE, DO NOT PAINT STEEL SURFACES TO BE:
a. CONCEALED BY THE INTERIOR BUILDING FINISHES,
b. FIREPROOFED,
c. EMBEDDED IN CONCRETE,
d. SPECIALLY PREPARED AS A "FAYING SURFACE" FOR TYPE-SC "SLIP-CRITICAL" BOLTED CONNECTIONS, UNLESS THE COATING CONFORMS TO REQUIREMENTS OF THE RCSC BOLT SPECIFICATION AND IS APPROVED BY THE ENGINEER.
e. WELDED; IF AREA REQUIRES PAINTING, DO NOT PAINT UNTIL AFTER WELD INSPECTIONS AND NON-DESTRUCTIVE TESTING REQUIREMENT, IF ANY, ARE SATISFIED.
B. INTERIOR STEEL, EXPOSED TO VIEW, SHALL BE PAINTED WITH ONE COAT OF SHOP PRIMER UNLESS OTHERWISE INDICATED IN THE PROJECT SPECIFICATIONS. FIELD TOUCH-UPS TO MATCH THE FINISH COAT OR AS OTHERWISE INDICATED IN THE PROJECT SPECIFICATIONS
3. EXTERIOR STEEL: EXPOSED EXTERIOR STEEL SHALL BE PROTECTED BY EITHER:
A. PAINT WITH AN EXTERIOR MULTI-COAT SYSTEM AS PER THE PROJECT SPECIFICATIONS BY OTHERS.
B. FIELD TOUCH-UP PAINTING SHALL AS PER THE PROJECT SPECIFICATIONS BY OTHERS.
C. GALVANIZED PER ASTM A123 TO PROTECT AGAINST CORROSION.

COLD-FORMED STEEL FRAMING

- REFERENCE STANDARDS: CONFORM TO:
1. AISC S100-16 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS."
2. AISC S200-12 "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS"
3. AISC S212-07 "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - HEADER DESIGN"
4. AISC S211-07 S1-12 "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - WALL STUD DESIGN"
5. AISC S213-07 S1-09 "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - LATERAL DESIGN."
6. AWS D1.3 - 2018 "STRUCTURAL WELDING CODE - SHEET STEEL"

MATERIALS: STRUCTURAL SECTIONS: 54, 68 AND 97-MIL; ASTM A653 GRADE D OR ASTM A1011 GRADE 50, MIN Fy=50 KSI 33; AND 43-MIL; ASTM A653 GRADE A, OR ASTM A1011 GRADE 33, MIN Fy=33 KSI

SHEET METAL SCREWS GRABBER SELF-DRILLING, #10 SCREWS (ASTM C1513) UNLESS NOTED OTHERWISE ON DRAWINGS OR SER APPROVED ALTERNATE

FASTENERS TO STEEL HILTI X-U POWDER ACTUATED FASTENERS

FASTENERS TO CONCRETE HILTI X-U POWDER ACTUATED FASTENERS PER THE "SHOT PINS" SECTION BELOW

WELD MATERIAL E60XX ELECTRODES CONFORMING TO AWS D1.3

STUDS AND TRACK SPECIFIED AS GALVANIZED SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A653, G60, UNLESS IN CONTACT WITH PRESSURE TREATED WOOD. IF IN CONTACT WITH PRESSURE TREATED WOOD, USE G90 OR GREATER COATINGS. FASTENINGS NOT SHOWN ON THE DRAWINGS SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

SIZE AND PROFILE: COLD-FORMED STEEL FRAMING MEMBERS SHALL BE AS SPECIFIED IN THE STEEL STUD MANUFACTURER'S ASSOCIATION ICC EVALUATION REPORT ESR-3064P AND OF THE SIZE AND PROFILE AS SHOWN ON THE DRAWINGS. ALTERNATE MEMBERS EQUIVALENT IN SHAPE, SIZE, AND STRENGTH BY MANUFACTURERS NOT MEMBERS OF THE STEEL STUD MANUFACTURER'S ASSOCIATION SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT / ENGINEER.

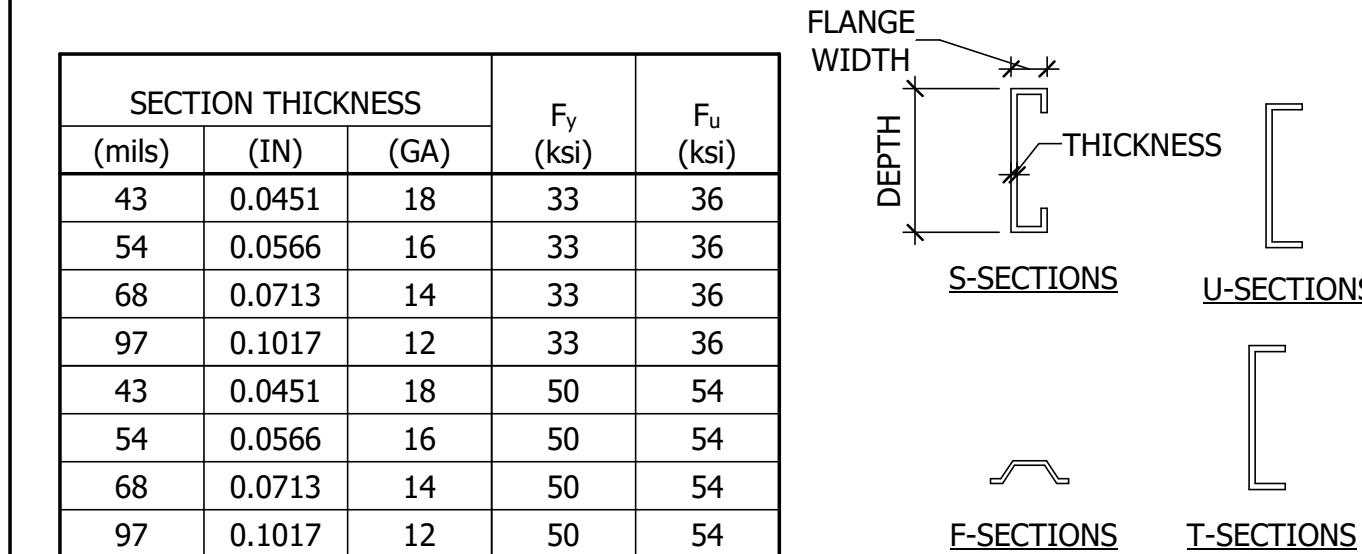
JOISTS: SPANS ARE ASSUMED TO BE CONTINUOUSLY SHEATHED AT THE TOP FLANGE. ALL JOISTS MUST BE BRACED Laterally AT EACH END BY RIM TRACK OR BLOCKING. JOIST BRIDGING SHALL BE A MAXIMUM 8'-0" OC WEB PUNCH-OUTS SHALL BE LOCATED A MINIMUM OF 10" AWAY FROM BEARING POINTS. IF A PUNCH-OUT FALLS WITHIN 10" OF A BEARING POINT, REINFORCEMENT IS REQUIRED.

CONNECTORS AND FASTENERS: CONNECTORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS. ALL SCREWS SHALL BE SNUG WITH THE STEEL SURFACE AND SHALL PENETRATE INTO STEEL STUDS BY A MINIMUM OF (3) EXPOSED THREADS. CONNECTIONS SHALL NOT BE STRIPPED. SCREWS SHALL BE INSTALLED A MINIMUM OF 3/8" FROM STEEL EDGES AND WITH NO LESS THAN 3/4" OC SPACING.

WHEN FASTENING TO STEEL, POWDER ACTUATED FASTENERS SHALL BE INSTALLED A MINIMUM OF 1/2" FROM STEEL EDGES AND WITH NO LESS THAN 1" OC SPACING. WHEN FASTENING TO CONCRETE, POWDER ACTUATED FASTENERS SHALL BE INSTALLED A MINIMUM OF 3" FROM CONCRETE EDGES AND WITH NO LESS THAN 4" OC SPACING.

STRUCTURAL SECTION PROPERTIES

Table with 10 columns: SSMa Designation, Gauge, Fy (KSI), Flange Width (in), Design Thickness (in), Inside Radius (in), Depth (in), Stiffening Lip Length (in), Gross Area (in^2), Effective Area (in^2), Intended Use. Rows include 350S162-43, 350S162-54, 350S162-68, 362S162-43, 362S162-54, 362S162-68, 400S162-43, 400S162-54, 400S162-68, 350T150-43, 350T150-54, 350T150-68, 362T150-43, 362T150-54, 362T150-68, 400T150-43, 400T150-54, 400T150-68.



GENERAL REQUIREMENTS

GOVERNING CODE: THE DESIGN AND CONSTRUCTION OF THIS PROJECT IS GOVERNED BY THE "2019 CALIFORNIA BUILDING CODE (CBC)", 2019 EDITION, HEREAFTER REFERRED TO AS THE IBC, AS ADOPTED AND MODIFIED BY THE LOCAL BUILDING DEPARTMENT WITH AUTHORITY HAVING JURISDICTION.

REFERENCE STANDARDS: REFER TO CHAPTER 35 OF IBC. WHERE OTHER STANDARDS ARE NOTED IN THE DRAWINGS, USE THE LATEST EDITION OF THE STANDARD UNLESS A SPECIFIC DATE IS INDICATED. REFERENCE TO A SPECIFIC SECTION IN A CODE DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE ENTIRE STANDARD. ALL SPECIFICATIONS AND CODES NOTED SHALL BE THE LATEST APPROVED EDITIONS AND REVISIONS BY THE AUTHORITY HAVING JURISDICTION OVER THIS PROJECT.

SPECIFICATIONS: REFER TO THE PROJECT SPECIFICATIONS ISSUED AS PART OF THE CONTRACT DOCUMENTS FOR INFORMATION SUPPLEMENTAL TO THESE DRAWINGS.

STRUCTURAL DETAILS: THE STRUCTURAL DRAWINGS ARE INTENDED TO SHOW THE GENERAL CHARACTER AND EXTENT OF THE PROJECT AND ARE NOT INTENDED TO SHOW ALL DETAILS OF THE WORK. DETAILS, SECTIONS, AND NOTES SHOWN ON THESE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR CONDITIONS ELSEWHERE UNLESS OTHERWISE SHOWN OR NOTED. IF LOCATIONS ARE FOUND WHERE NO TYPICAL DETAIL, TYPICAL SCHEDULE, OR SPECIFIC DETAIL APPLIES, NOTIFY THE ARCHITECT/STRUCTURAL ENGINEER.

STRUCTURAL RESPONSIBILITIES: THE STRUCTURAL ENGINEER (SER) IS RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE PRIMARY STRUCTURE IN ITS COMPLETED FORM. THE STRUCTURAL DRAWINGS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION.

COORDINATION: THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING DETAILS AND ACCURACY OF THE WORK; FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; FOR SELECTING FABRICATION PROCESSES; FOR TECHNIQUES OF ASSEMBLY; AND FOR PERFORMING WORK IN A SAFE AND SECURE MANNER.

DIMENSIONS: DO NOT SCALE THE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES. STRUCTURE NOTED IN THE DRAWINGS AS EXISTING SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT/STRUCTURAL ENGINEER.

MEANS, METHODS AND SAFETY REQUIREMENTS: THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND ALL JOB RELATED SAFETY STANDARDS SUCH AS OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION) AND DOSH (DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH). THE CONTRACTOR IS TO PROVIDE ADEQUATE EXCAVATION PROCEDURES, SHORING, BRACING AND ERECTION PROCEDURES COMPLYING WITH NATIONAL, STATE AND LOCAL SAFETY ORDINANCES.

NOTE PRIORITIES: PLAN AND DETAIL NOTES AND SPECIFIC LOADING DATA PROVIDED ON INDIVIDUAL PLANS AND DETAIL DRAWINGS SUPPLEMENTS INFORMATION IN THE STRUCTURAL GENERAL NOTES AND PROJECT SPECIFICATIONS.

DISCREPANCIES: IN CASE OF DISCREPANCIES BETWEEN THE GENERAL NOTES, SPECIFICATIONS PLAN/DETAILS OR REFERENCE STANDARDS, THE ARCHITECT/ENGINEER SHALL DETERMINE WHICH SHALL GOVERN. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK. SHOULD ANY DISCREPANCY BE FOUND IN THE CONTRACT DOCUMENTS, THE CONTRACTOR WILL BE DEEMED TO HAVE INCLUDED IN THE PRICE THE MOST EXPENSIVE WAY OF COMPLETING THE WORK, UNLESS PRIOR TO THE SUBMISSION OF THE PRICE, THE CONTRACTOR ASKS FOR A DECISION FROM THE ARCHITECT AS TO WHICH SHALL GOVERN. ACCORDINGLY, ANY CONFLICT IN OR BETWEEN THE CONTRACT DOCUMENTS SHALL NOT BE A BASIS FOR ADJUSTMENT IN THE CONTRACT PRICE.

ALTERNATES: ALTERNATE PRODUCTS OF SIMILAR STRENGTH, NATURE AND FORM FOR SPECIFIED ITEMS MAY BE SUBMITTED WITH ADEQUATE TECHNICAL DOCUMENTATION TO THE ARCHITECT/ENGINEER FOR REVIEW. ALTERNATE MATERIALS THAT ARE SUBMITTED WITHOUT ADEQUATE TECHNICAL DOCUMENTATION OR THAT SIGNIFICANTLY DEVIATE FROM THE DESIGN INTENT OF MATERIALS SPECIFIED MAY BE RETURNED WITHOUT REVIEW. ALTERNATES THAT REQUIRE SUBSTANTIAL EFFORT TO REVIEW WILL NOT BE REVIEWED UNLESS AUTHORIZED BY THE OWNER.

OBSERVATION VISITS: OBSERVATION VISITS (SITE VISITS) BY REPRESENTATIVES OF ARCHITECT/STRUCTURAL ENGINEER DO NOT INCLUDE INSPECTION OF CONSTRUCTION MEANS AND METHODS. SITE VISITS DURING CONSTRUCTION ARE NOT CONTINUOUS AND DETAILED INSPECTION SERVICES (WHICH ARE TO BE PERFORMED BY OTHERS). OBSERVATIONS ARE PERFORMED SOLELY FOR THE PURPOSE OF DETERMINING IF THE CONTRACTOR UNDERSTANDS DESIGN INTENT SHOWN IN THE CONTRACT DRAWINGS. OBSERVATIONS DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND ARE NOT TO BE CONSTRUED AS SUPERVISION OR VERIFICATION OF CONSTRUCTION.

INSTALLATION: INSTALLATION MUST COMPLY WITH REQUIREMENTS OF CBC CHAPTER 30 INCLUDING, BUT NOT LIMITED TO:
• 3002.3 - EMERGENCY SIGNS
• 3002.3.3A - ELEVATOR RECALL
• 3002.4.5-7A - SIGNAGE
• 3002.4 - ELEVATOR TO ACCOMMODATE AMBULANCE STRETCHER
• 3002.5 - EMERGENCY DOORS
• 3003 - EMERGENCY OPERATIONS
• 3006 - MACHINE ROOMS

- SAFETY NOTES:
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS OF ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
2. THE STRUCTURAL ENGINEER DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY TO THESE REQUIREMENTS.
3. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT LIMITED TO, BRACING FOR VERTICAL AND/OR LATERAL LOADS, SHORING AND LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER WILL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

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PROJECT: 2583 WEST BLVD, MODULAR ELEVATOR, OWNER / CLIENT: TL SHIELD

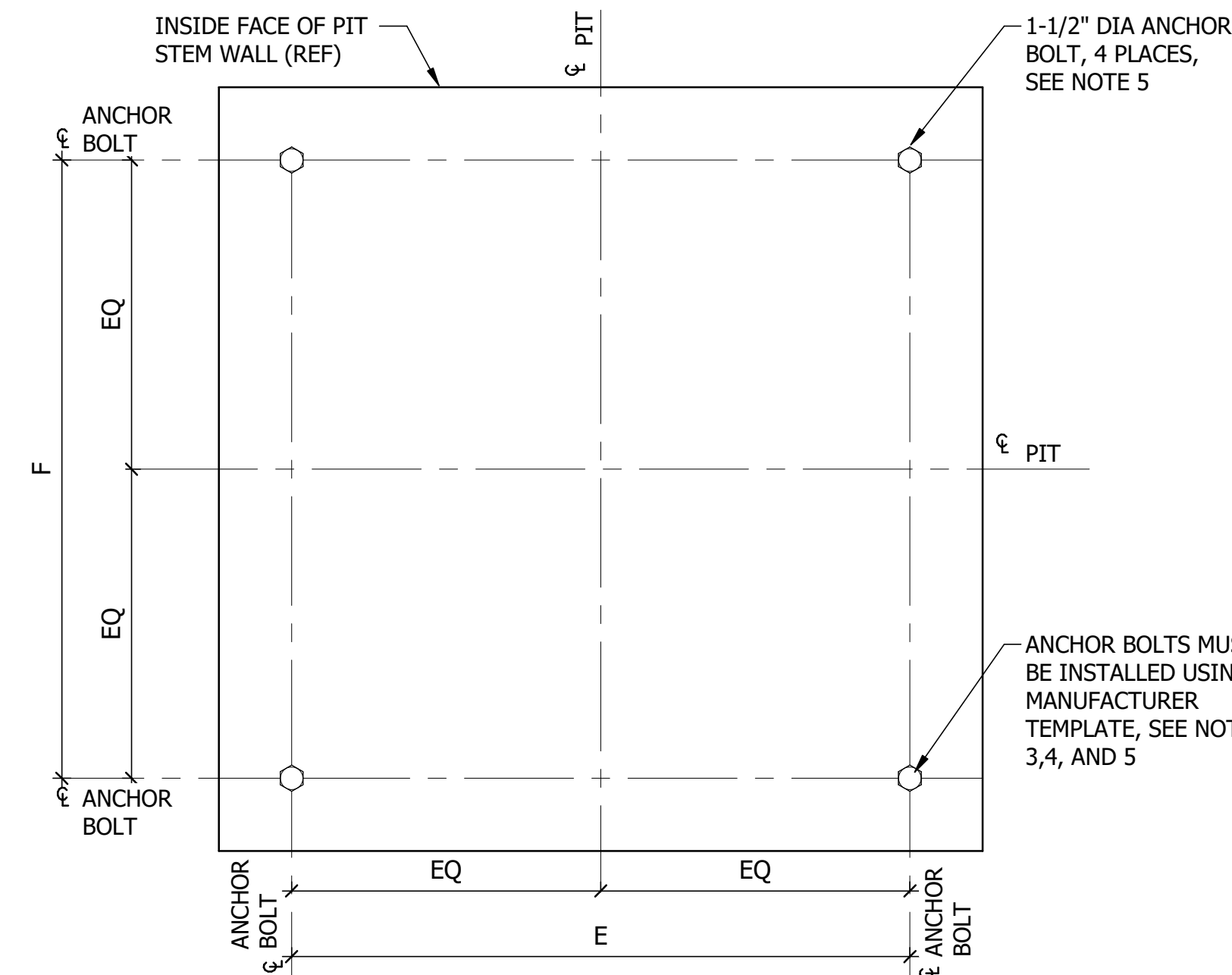
PROFESSIONAL SEAL with signature and stamp: REGISTERED PROFESSIONAL ENGINEER, CIVIL, STATE OF CALIFORNIA, No. 51789

Table with 2 columns: Field, Value. Includes REVISION: 07/20/2023, DRAWN BY: JB, DESIGNED BY: KH, JOB NUMBER: A22-099

GENERAL NOTES AND ABBREVIATIONS

S2

2023-07-20 100% CD



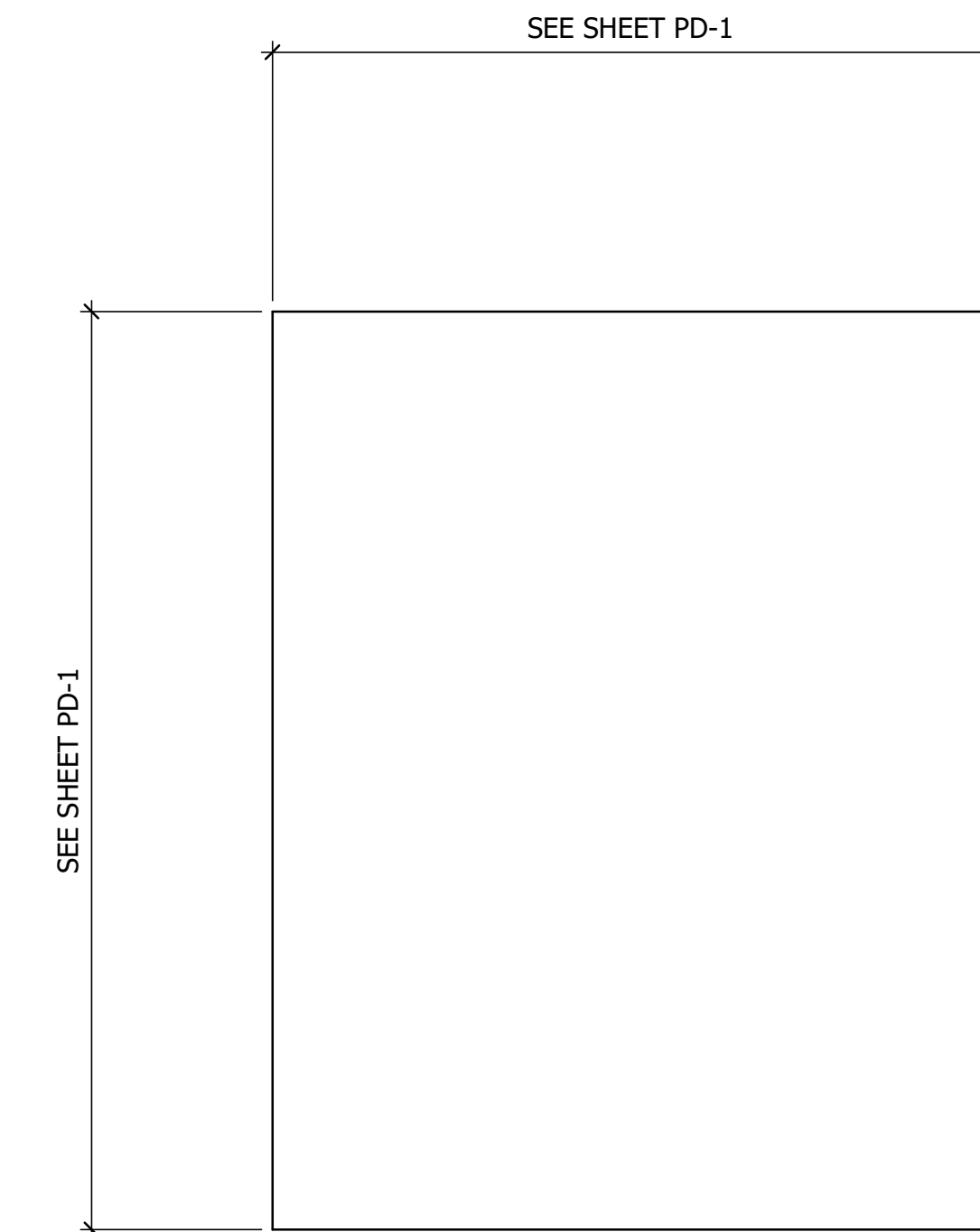
NOTE:
SEE TABLE 2 - ANCHOR BOLT TEMPLATE DIMENSIONS

1 ANCHOR BOLT LAYOUT PLAN
SCALE: NTS

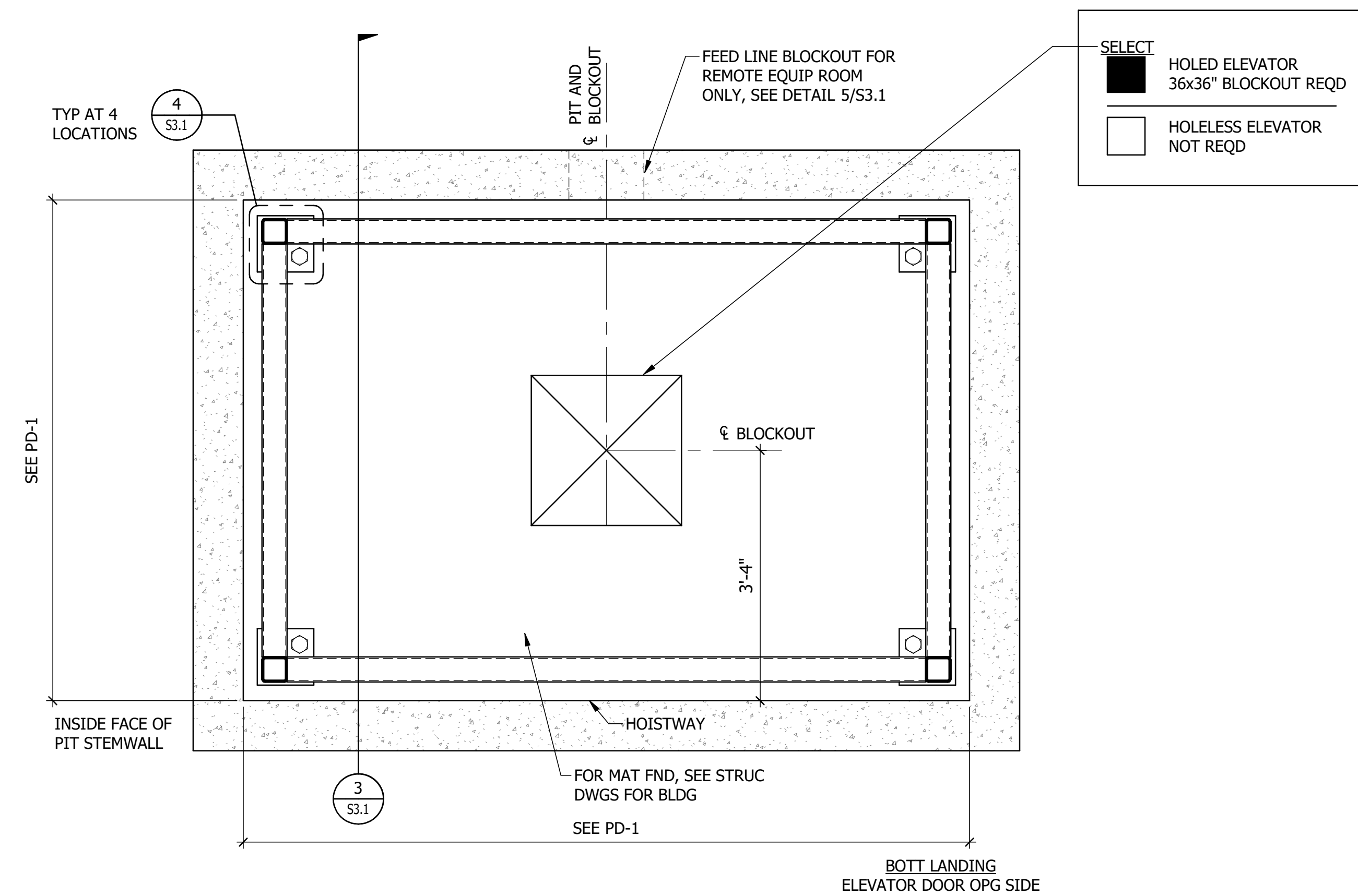
HOISTWAY SELECTION (SELECT ONE HOISTWAY & ONE ELEVATOR MODEL)			
ELEVATOR 1			
HOISTWAY SIZE (APPROX INSIDE CLR)	<input type="checkbox"/> HW-1	6'-11 3/4"W x 9'-1 3/4"D	
	<input checked="" type="checkbox"/> HW-2	6'-9 1/4"W x 9'-1 1/8"D	
	<input type="checkbox"/> HW-3	6'-11 3/4"W x #-#"D	
ELEVATOR MODEL R = REVERSE OPG G = CBC 2019 GURNEY COMPLIANT	CAPACITY	G	R
	<input type="checkbox"/> 2000		<input type="checkbox"/>
	<input type="checkbox"/> 2500		<input type="checkbox"/>
	<input type="checkbox"/> 3000	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> 3500	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 4000		<input type="checkbox"/>	
<input type="checkbox"/> 4000 MAX			

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

TABLE 2 - ANCHOR BOLT TEMPLATE DIMENSIONS		
ELEVATOR 1		
DIMS	DESCRIPTION	HW-2
E	ANCHOR BOLT	8'-1 1/2"
F	ANCHOR BOLT	6'-5 3/4"



2 ELEVATOR SHAFT OD DIMS PLAN
SCALE: NTS



NOTES:
1. SEE 1/S3 AND TABLE 2 FOR DIMS AND ANCHOR BOLT LOCATIONS

3 PIT FOUNDATION PLAN - SINGLE CAB
SCALE: NTS

- NOTES:
- FOUNDATION CONSTRUCTION TO BE PERFORMED BY OTHERS & IS NOT PART OF THE ELEVATOR CONTRACTOR'S WORK.
 - GROUNDING OF STRUCTURES BY OTHERS.
 - ANCHOR BOLT TEMPLATE MUST BE PROVIDED BY ELEVATOR CONTRACTOR. RESPONSIBILITY FOR PROPER ANCHOR PLACEMENT IS BY OTHERS
 - ANCHOR BOLT TEMPLATE TO BE CENTERED IN PIT AS DIRECTED BY TL SHIELD.
 - TIE BOTTOM OF ANCHOR BOLTS TO REBAR PRIOR TO POURING SLAB TO MAINTAIN PLUMBNESS.
 - ALL GROUT TO BE RAPID SET CEMENT ALL-HIGH STRENGTH NON-SHRINK GROUT OR EQ & CONFORM TO ASTM-C-1107.

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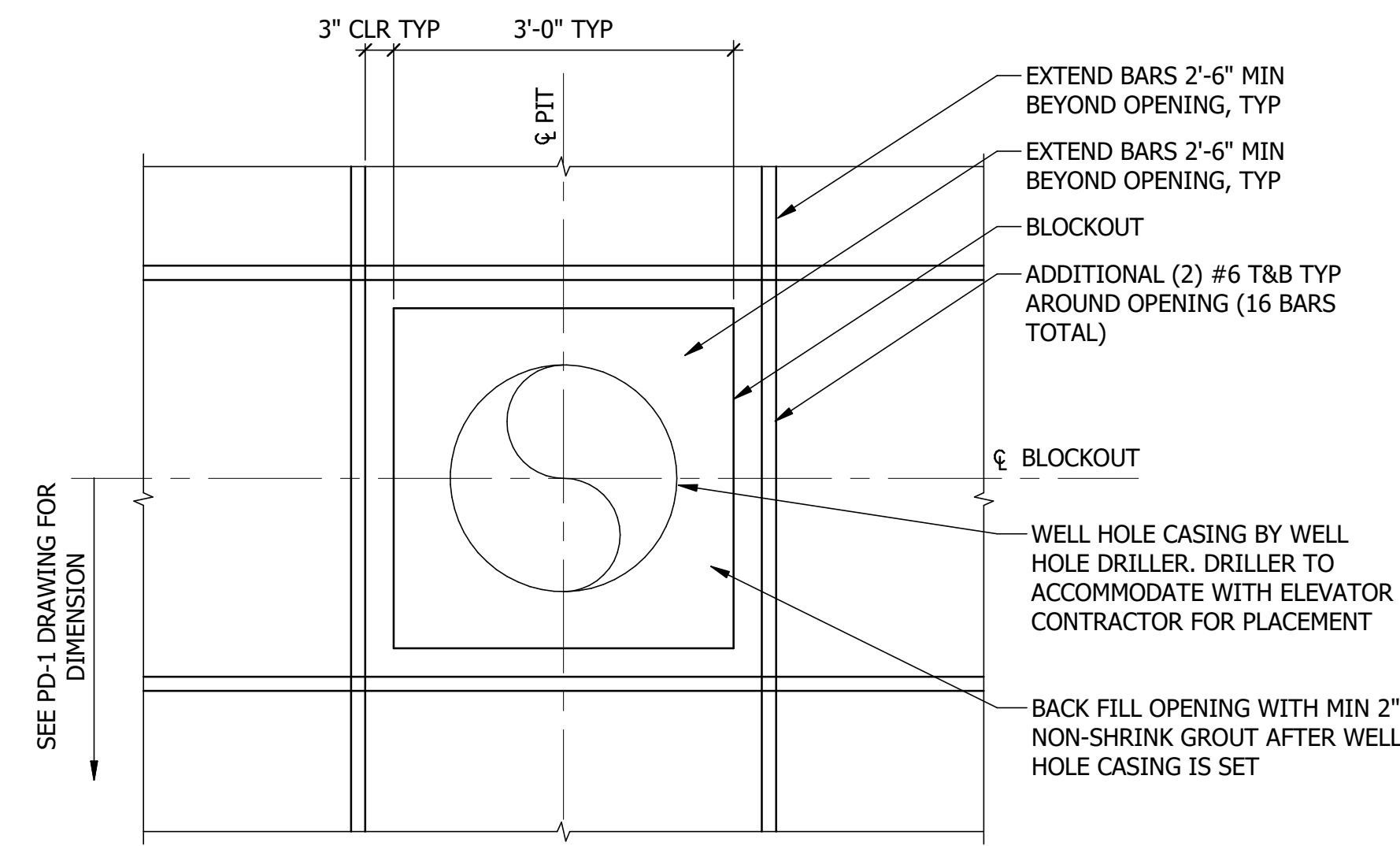


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FOUNDATION PIT PLAN

S3

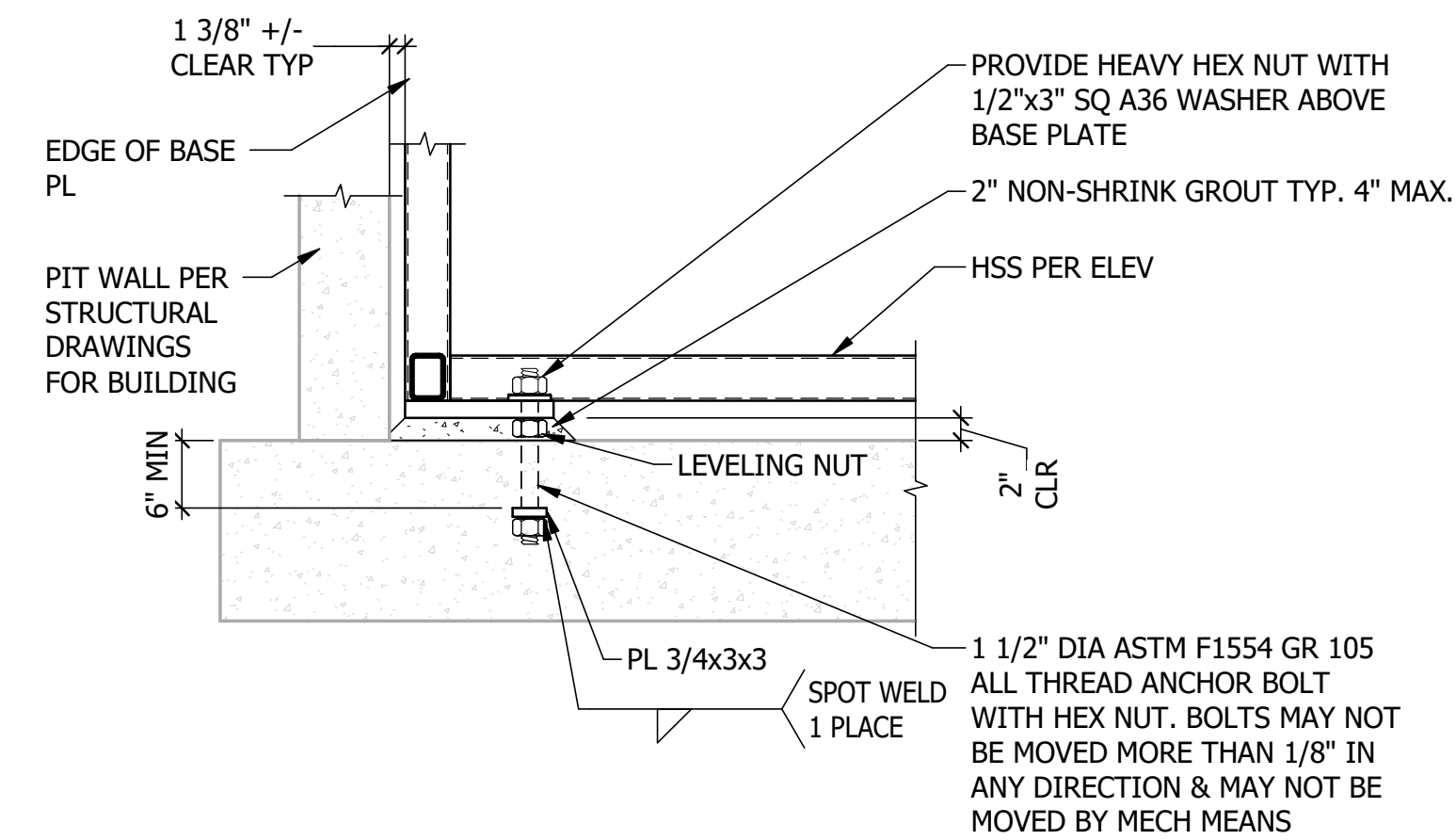
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NOTE:
1. BLOCKOUT MAY BE COVERED WITH MIN 14 GA SHEET METAL COVER IN LIEU OF FILL & NON-SHRINK GROUT

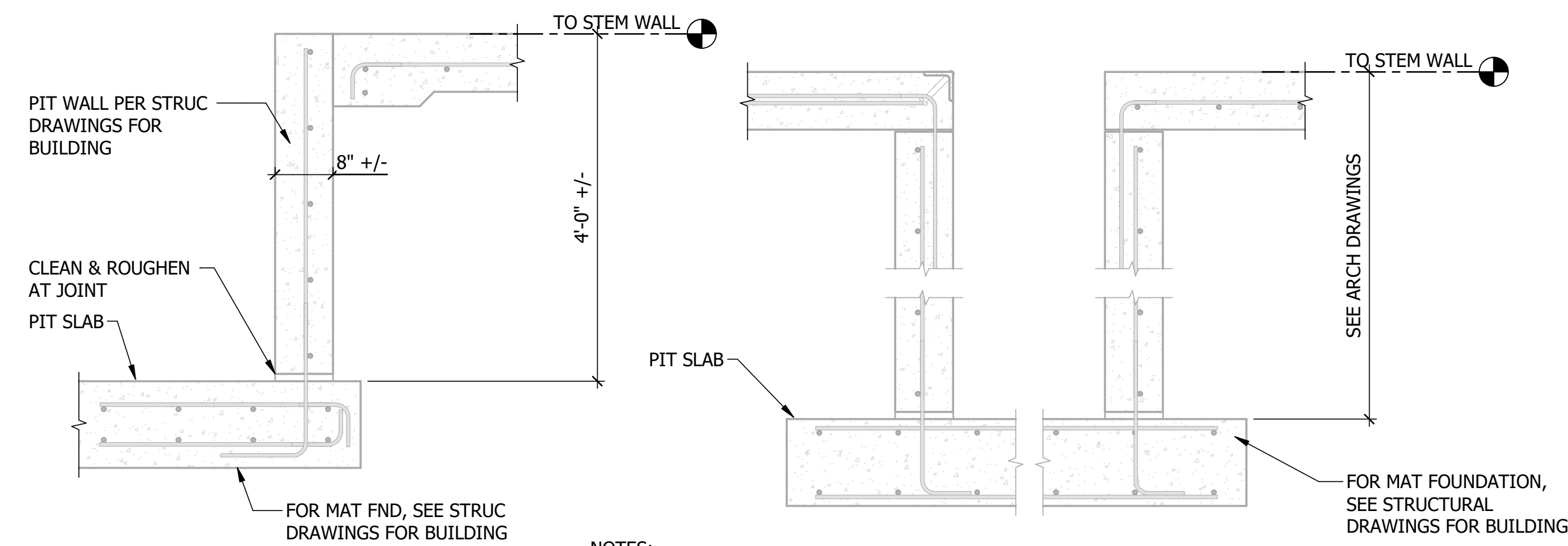
1 PIT SLAB BLOCKOUT BACK FILL (IF REQ)

SCALE: NTS



2 CONNECTION AT PIT DETAIL

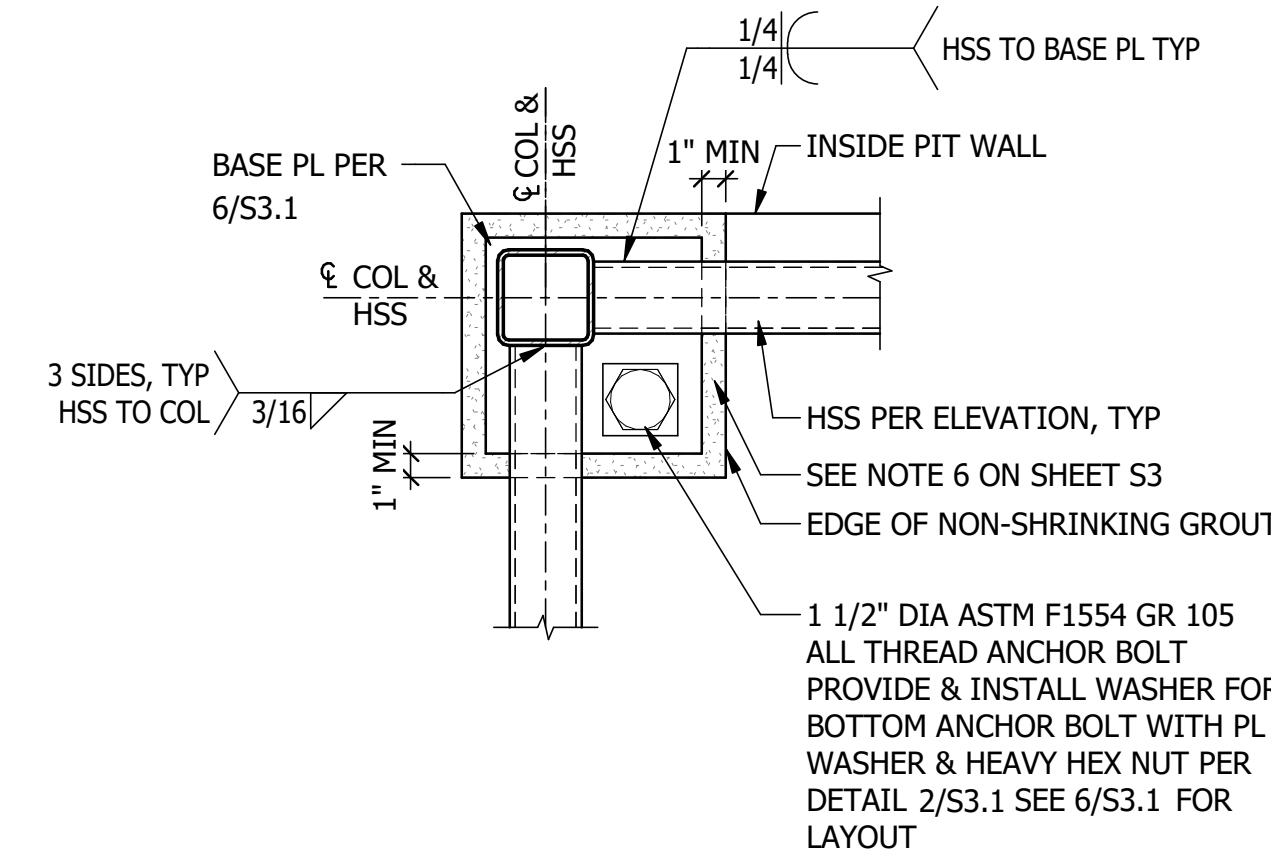
SCALE: NTS
REF SHEET: S5



NOTES:
1. CONCRETE SHOWN HERE IS REPRESENTATIVE, REFER TO BUILDING STRUCTURAL DRAWINGS.

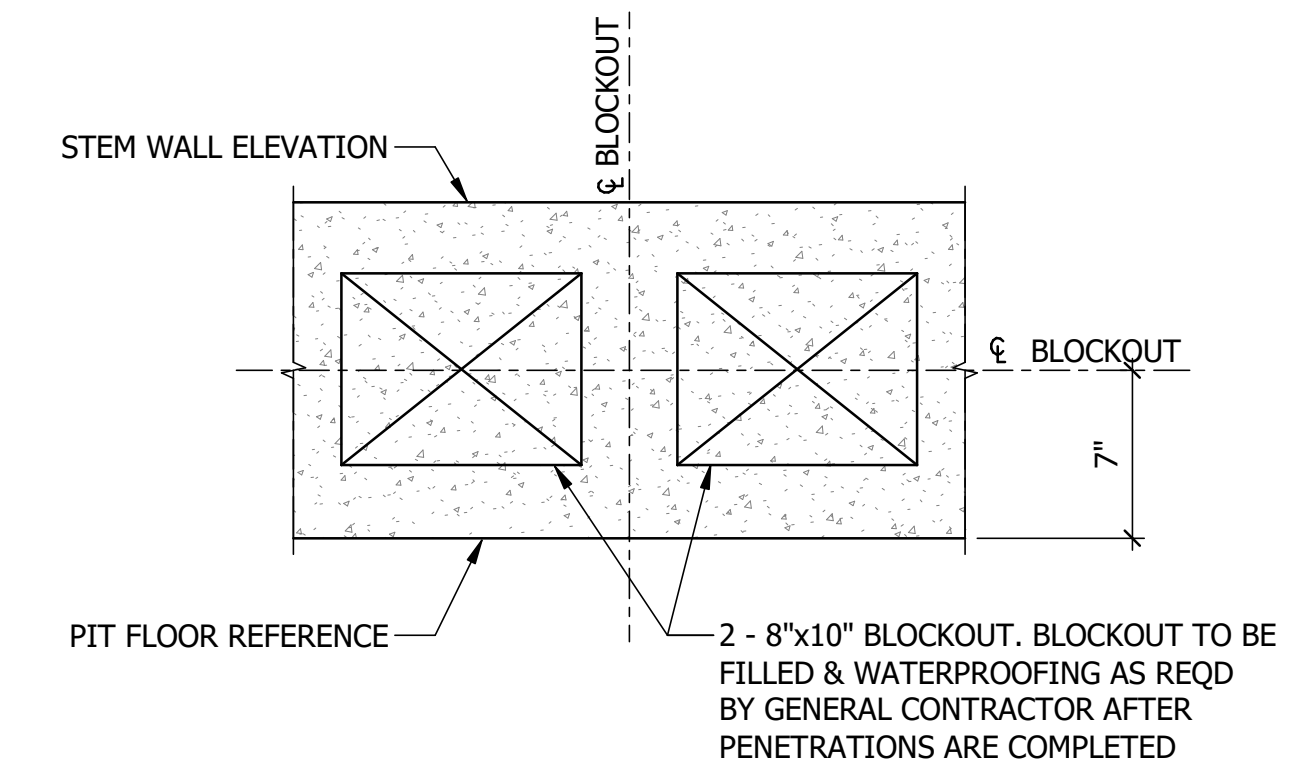
3 PIT WALL SECTION

SCALE: NTS
REF SHEET: S3



4 CONNECTION DETAIL

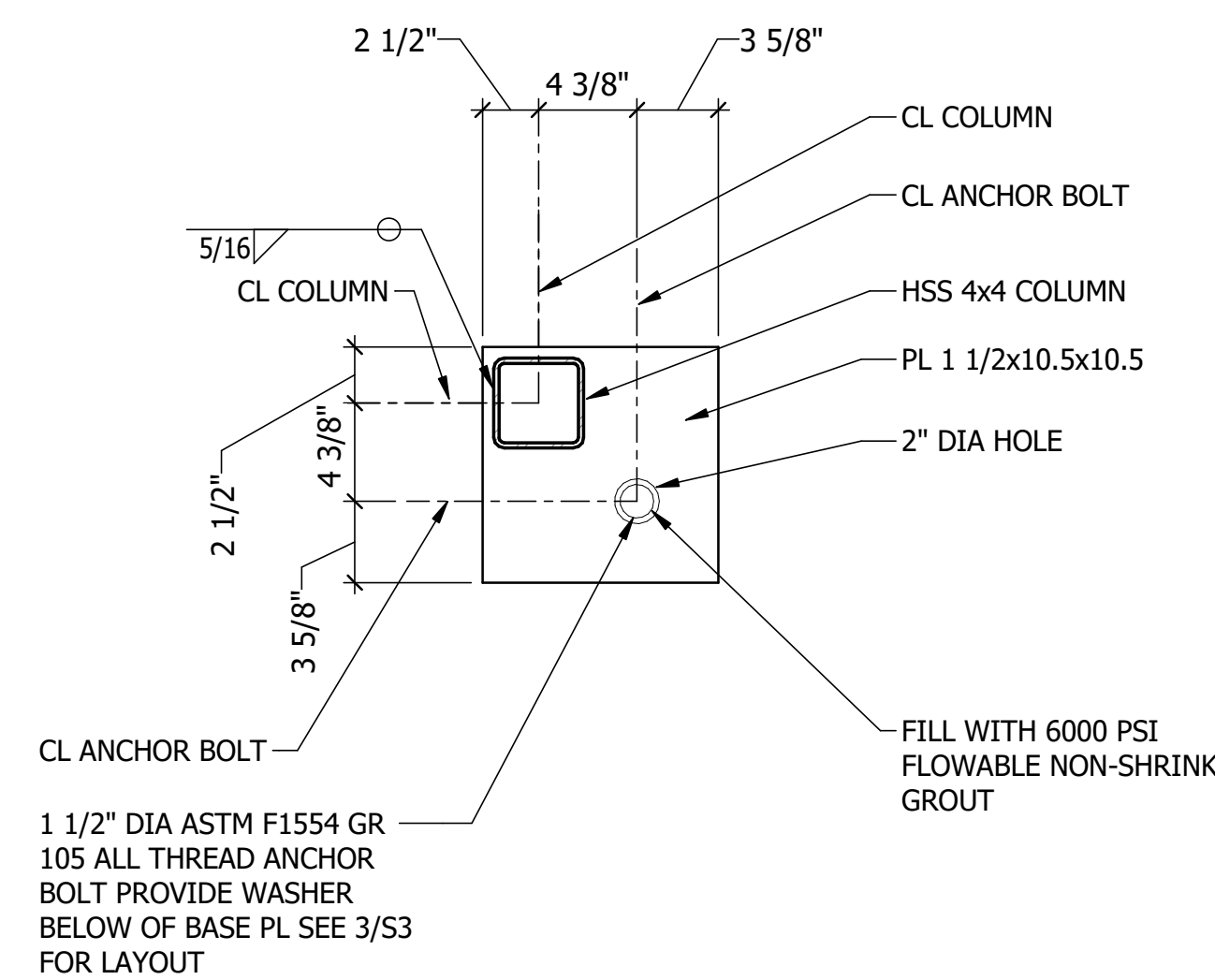
SCALE: NTS
REF SHEET: S3



NOTE:
1. LOCATE AS NECESSARY TO CLEAR OBSTRUCTIONS.

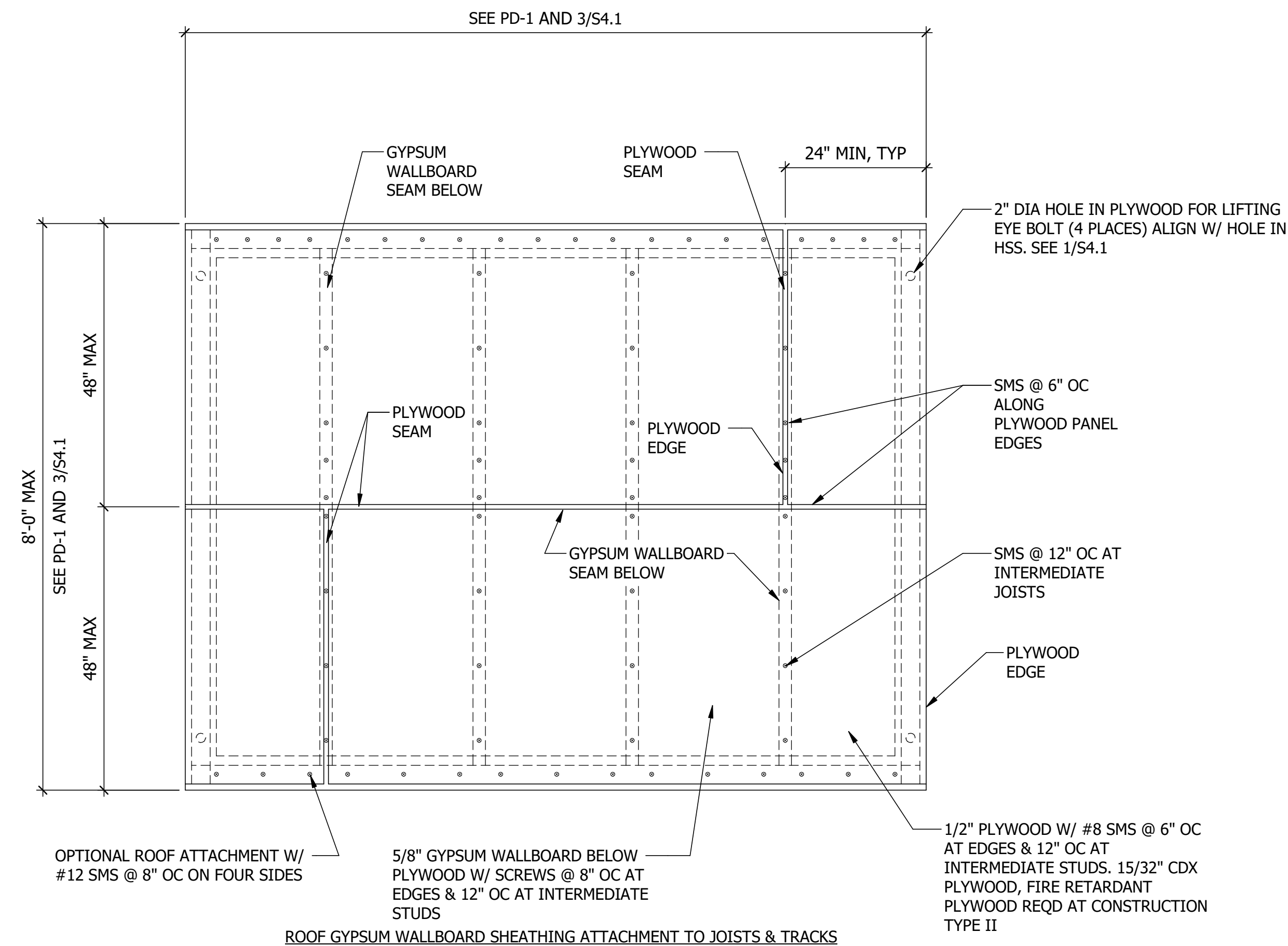
5 FEEDLINE BLOCK OUT DETAIL

SCALE: NTS



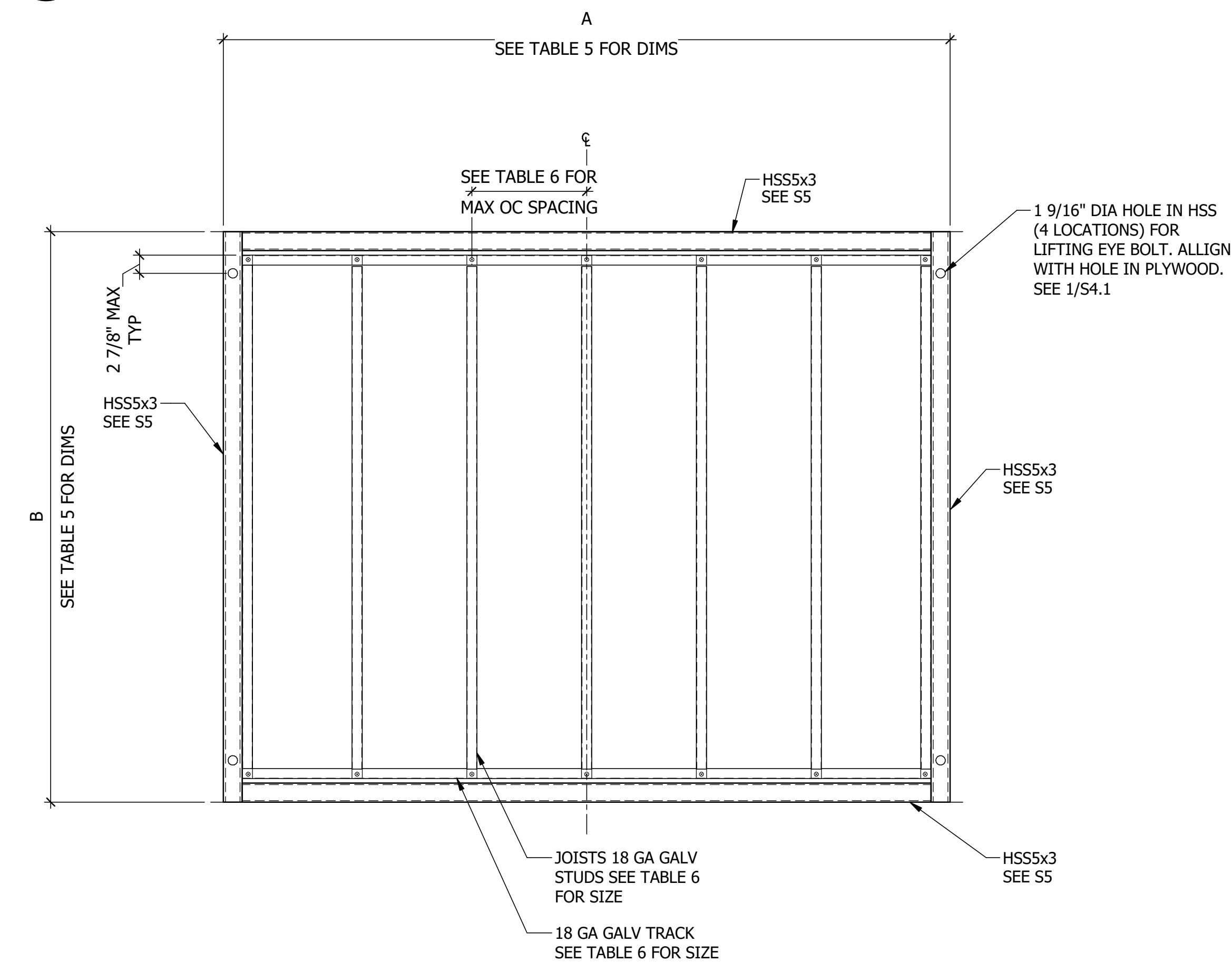
6 BASE PLATE DETAIL

SCALE: NTS
REF SHEET: S5

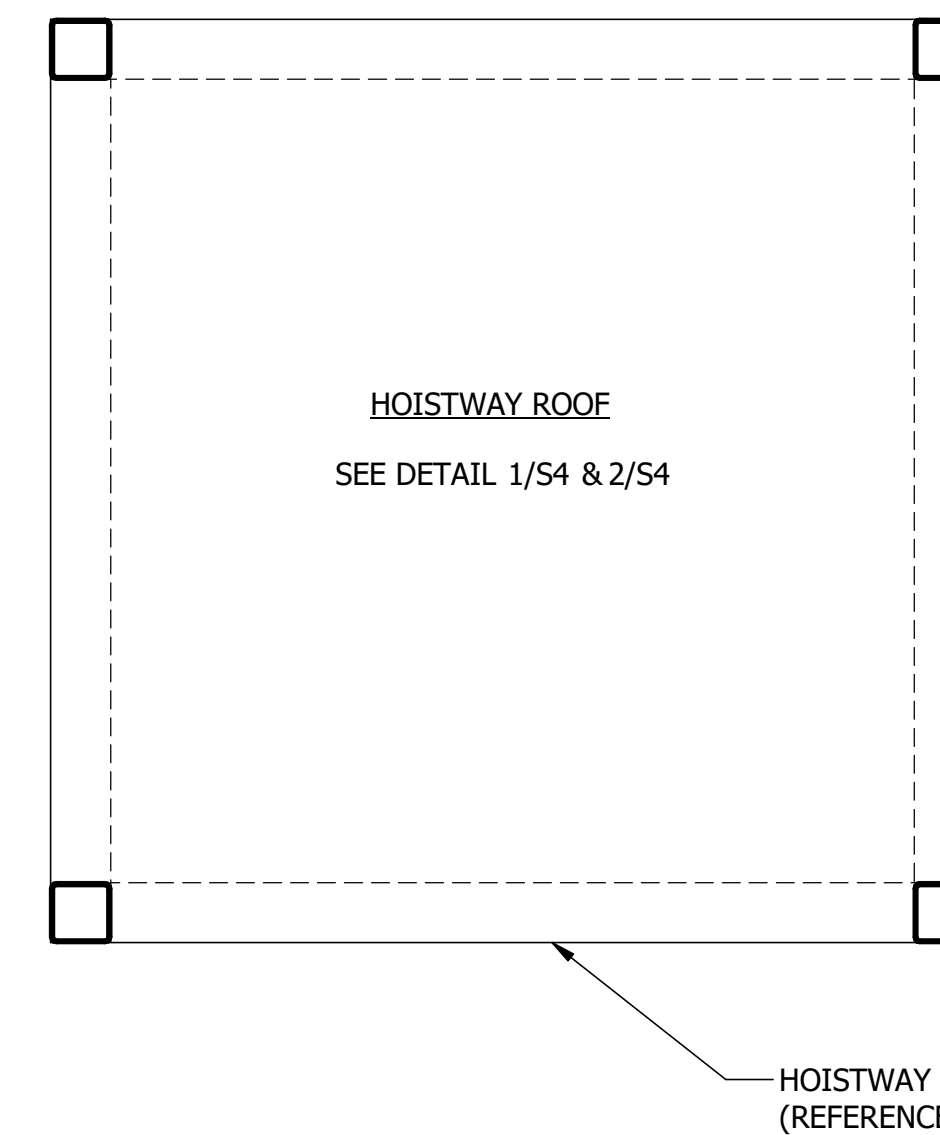


- NOTES:
- MIN SMS SIZE IS #8x1" FLAT OR HEX HEAD W/ A MIN HEAD DIA OF 0.292 INCHES, UNO.

1 HOISTWAY ROOF SHEATHING PLAN
SCALE: NTS



2 HOISTWAY ROOF FRAMING PLAN
SCALE: NTS



3 ROOF PLAN
SCALE: NTS

TABLE 5 - ROOF DIMENSIONS	
ELEVATOR 1	
	HW-2
A	9'-2 1/4"
B	7'-6 1/2"

TABLE 6 - JOIST SIZING					
HOISTWAY ROOF & EQUIP ROOM ROOF JOIST & TRACK SELECTOR					
SELECT	ROOF LOAD (PG <=)	SPACING	SIZE	SSMA DESIGNATIONS	USE
■	20 PSF	@ 24" OC	3 1/2	350S162-43	JOIST
	45 PSF *	@ 24" OC	3 1/2	350S162-43	JOIST
	45 PSF *	@ 24" OC	3 1/2	350S162-43	JOIST
□	45 PSF *	@ 24" OC	4	400S162-43	JOIST
			4	400T162-43	RIM TRACK

ITEMS TO BE PROVIDED BY SITE APPLICATION ARCHITECT AND / OR ENGINEER OF RECORD

- ATTACHMENTS OF FINISH MATERIAL BY OTHERS.
- 3 1/2" STUD WALL CONSTRUCTION OPTIONS ARE FIRE-RATED CONSTRUCTION, SEE 1/S5.3. 5/8" GYPSUM WALLBOARD TYPE X APPLIED TO INT & EXT, PARALLEL OR AT RIGHT ANGLES TO STUDS OR STUCCO ON EXT & 5/8" GYPSUM WALLBOARD APPLIED TO INT. ALL GYPSUM WALLBOARD ATTACHED WITH 1" TYPE S DRYWALL SCREWS 8" OC ON VERT EDGES & 12" OC ON INTERMEDIATE 1/55.3 PER UL DESIGN NO. 419 OR U434 SEE
- FIRE-RATED CONSTRUCTION MAY NOT BE REQD WHEN THE ELEVATOR SHAFT DOES NOT PENETRATE FLOORS, WHERE THE OPENINGS DO NOT ENTER DIRECTLY INTO ANOTHER STRUCTURE & WHEN THE SHAFT IS LOCATED FURTHER THAN 10'-0" FROM A PROPERTY LINE, PER CBC 712.1.
- EXTERIOR FINISH & FLASHING DETAILS TO BE SPECIFIED BY PROJECT ARCH AND ARE BY OTHERS. HORIZ REVEAL JOINT SHALL BE PROVIDED AT LOCATION OF HORIZ HSS IN EXTERIOR FINISH.
- CALCULATIONS ASSUME A MAX OF 20 PSF TOTAL WEIGHT, INCLUDING CLADDING.
- 2-HOUR FIRE-RATED WALL ASSEMBLY WILL CONSIST OF (2) LAYERS OF 5/8" THK TYPE X FIRE-RATED GYPSUM WALLBOARD INSIDE & OUTSIDE OF TOWER UTILIZING 3 1/2" STUDS. ASSEMBLY IS BASED UPON U.L. DESIGN NO. U419.

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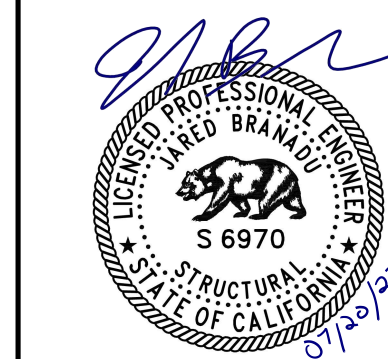
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MODULAR ELEVATOR
OWNER / CLIENT: **TL SHIELD**

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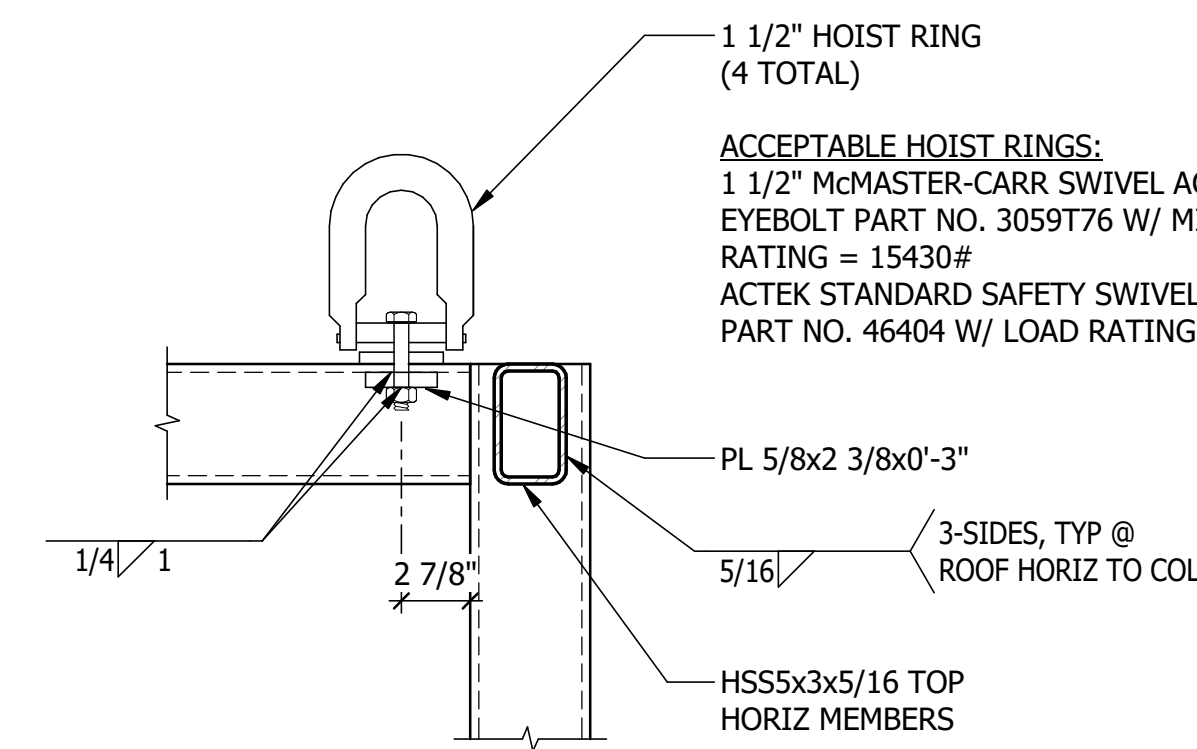


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HOISTWAY ROOF PLAN

S4

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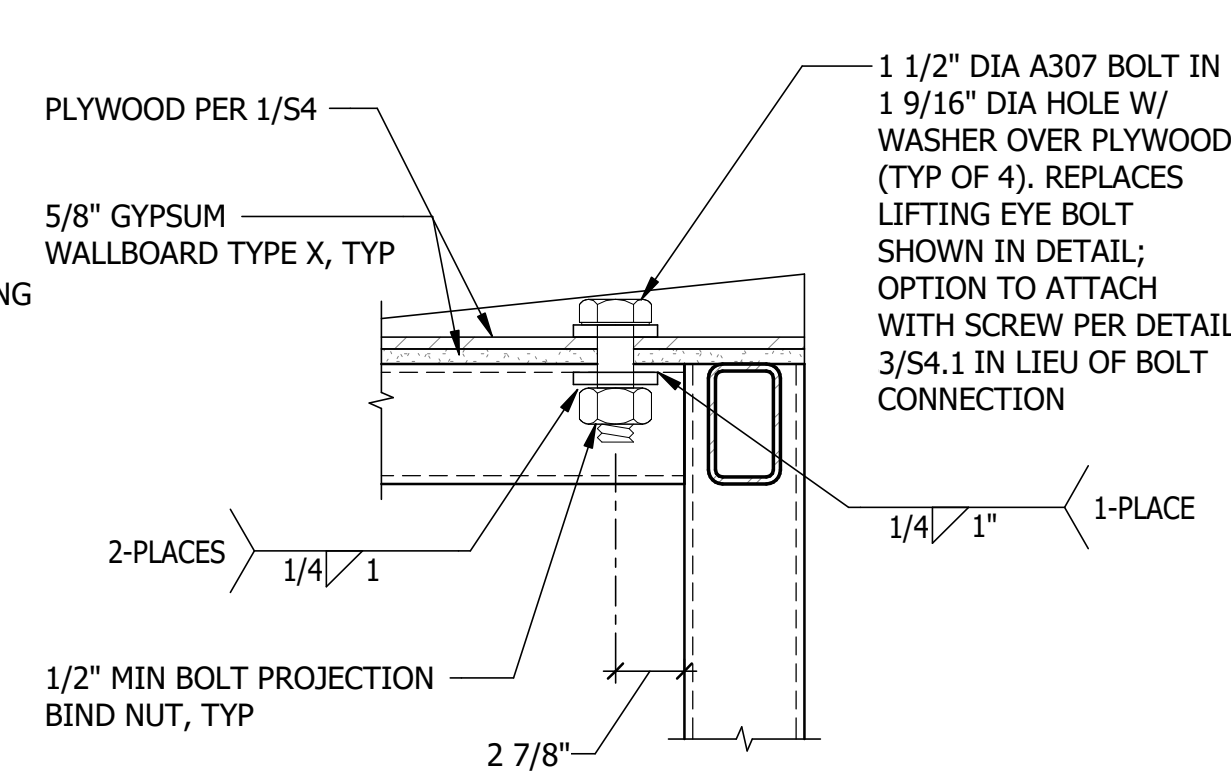


1 1/2" HOIST RING
(4 TOTAL)

ACCEPTABLE HOIST RINGS:
1 1/2" McMASTER-CARR SWIVEL ACTION EYEBOLT PART NO. 3059T76 W/ MIN LOAD RATING = 15430#
ACTEK STANDARD SAFETY SWIVEL HOIST RING PART NO. 46404 W/ LOAD RATING = 24000#

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

1 HALLWAY LIFTING EYE DETAIL
SCALE: NTS



PLYWOOD PER 1/4"

5/8" GYPSUM WALLBOARD TYPE X, TYP

1 1/2" DIA A307 BOLT IN 1 9/16" DIA HOLE W/ WASHER OVER PLYWOOD (TYP OF 4). REPLACES LIFTING EYE BOLT SHOWN IN DETAIL; OPTION TO ATTACH WITH SCREW PER DETAIL 3/S4.1 IN LIEU OF BOLT CONNECTION

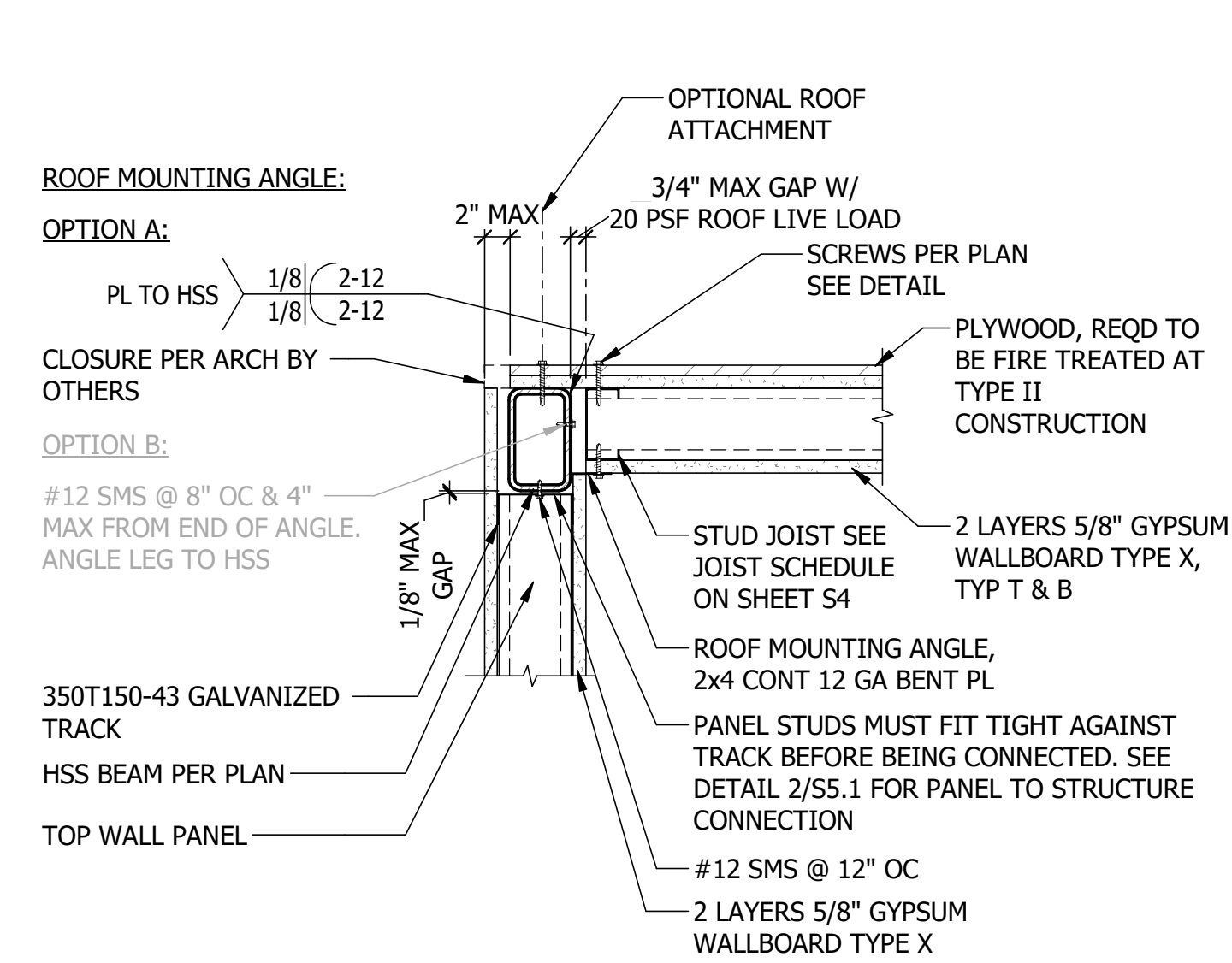
1/4" 1-PLACE

2-PLACES 1/4" 1

1/2" MIN BOLT PROJECTION BIND NUT, TYP

2 7/8"

2 HOISTWAY ROOF BOLTING DETAIL
SCALE: NTS



ROOF MOUNTING ANGLE:
OPTION A:
PL TO HSS 1/8" 2-12 / 1/8" 2-12

CLOSURE PER ARCH BY OTHERS

OPTION B:
#12 SMS @ 8" OC & 4" MAX FROM END OF ANGLE. ANGLE LEG TO HSS

350T150-43 GALVANIZED TRACK

HSS BEAM PER PLAN

TOP WALL PANEL

OPTIONAL ROOF ATTACHMENT

3/4" MAX GAP W/ 20 PSF ROOF LIVE LOAD

SCREWS PER PLAN SEE DETAIL

PLYWOOD, REQD TO BE FIRE TREATED AT TYPE II CONSTRUCTION

2 LAYERS 5/8" GYPSUM WALLBOARD TYPE X, TYP T & B

STUD JOIST SEE JOIST SCHEDULE ON SHEET S4

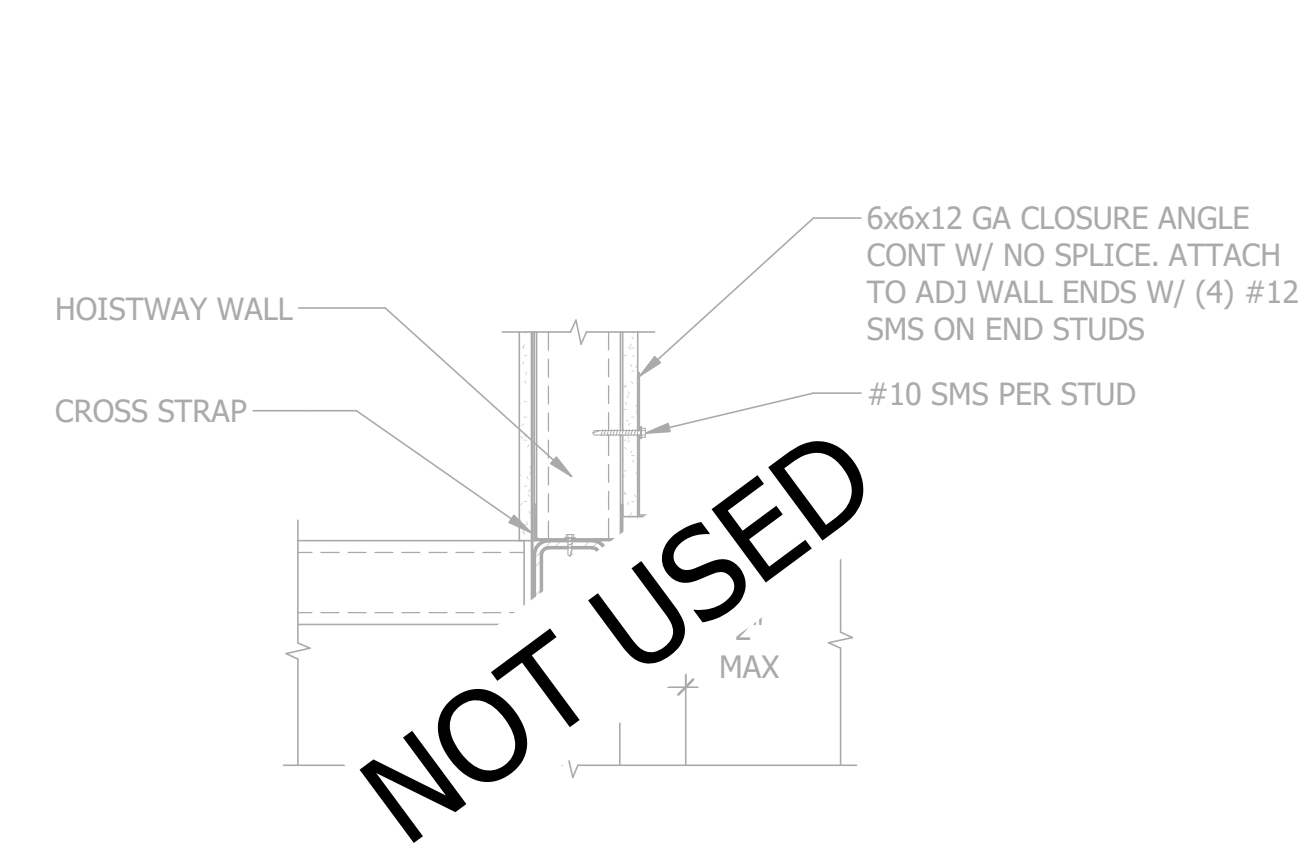
ROOF MOUNTING ANGLE, 2x4 CONT 12 GA BENT PL

PANEL STUDS MUST FIT TIGHT AGAINST TRACK BEFORE BEING CONNECTED. SEE DETAIL 2/S5.1 FOR PANEL TO STRUCTURE CONNECTION

#12 SMS @ 12" OC

2 LAYERS 5/8" GYPSUM WALLBOARD TYPE X

3 HOISTWAY ROOF AT SIDE WALL DETAIL
SCALE: NTS
REF SHEET: S5



HOISTWAY WALL

CROSS STRAP

6x6x12 GA CLOSURE ANGLE CONT W/ NO SPLICE. ATTACH TO ADJ WALL ENDS W/ (4) #12 SMS ON END STUDS

#10 SMS PER STUD

2" MAX

4 ATTACHED EQUIP ROOM FLR CONN DETAIL
SCALE: NTS

NOT USED

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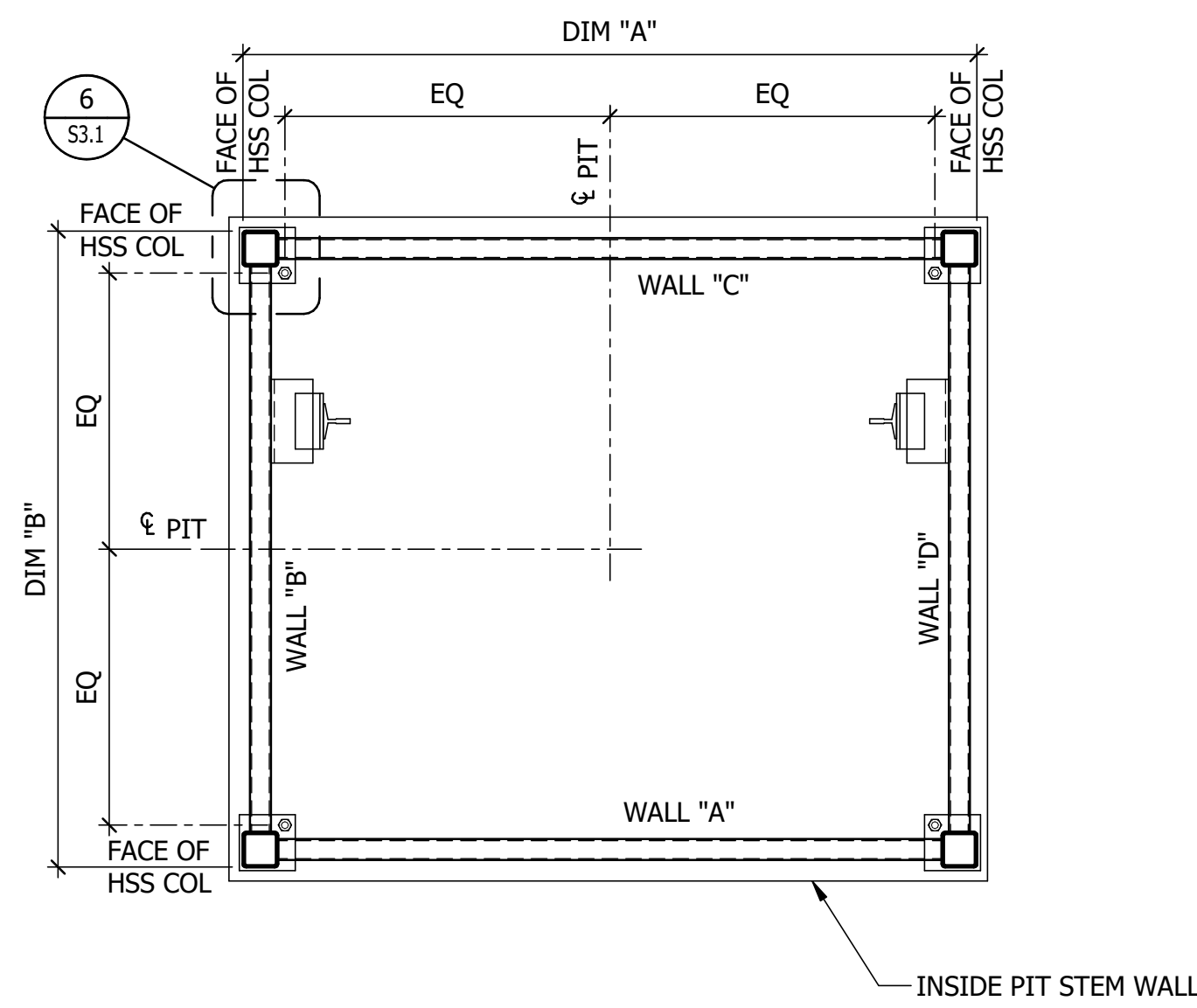
HOISTWAY AND ROOF DETAILS

S4.1

2023-07-20 100% CD

TABLE 7A - WALL DIMENSIONS			
ELEVATOR 1			
	□ HW-1	■ HW-2	□ HW-3
DIM A	8'-2 1/4"	9'-4 1/4"	9'-10 1/4"
DIM B	7'-6 1/2"	7'-8"	7'-6 1/2"

NOTE:
1. FOR WALL TYPE SELECTION, SEE TABLE 7 ON DETAIL 2/SS

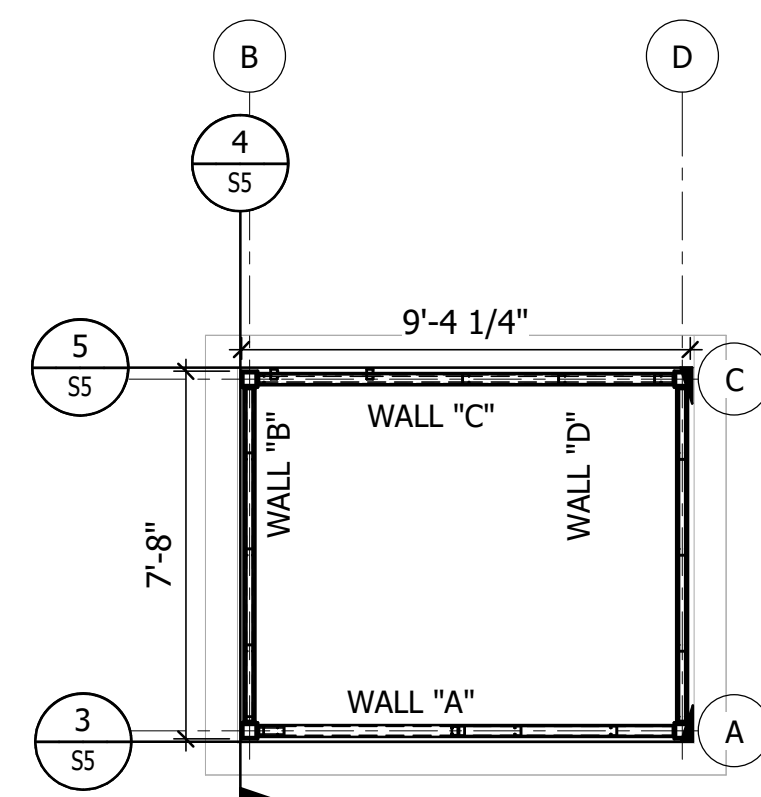


1 HOISTWAY PLAN
SCALE: NTS

ELEVATOR 1	TABLE 7A - WALL SELECTOR		
	WALL	FRONT 3/SS	SIDE 4/SS
A	■	□	□
B	□	■	□
C	□	□	■
D	□	■	□

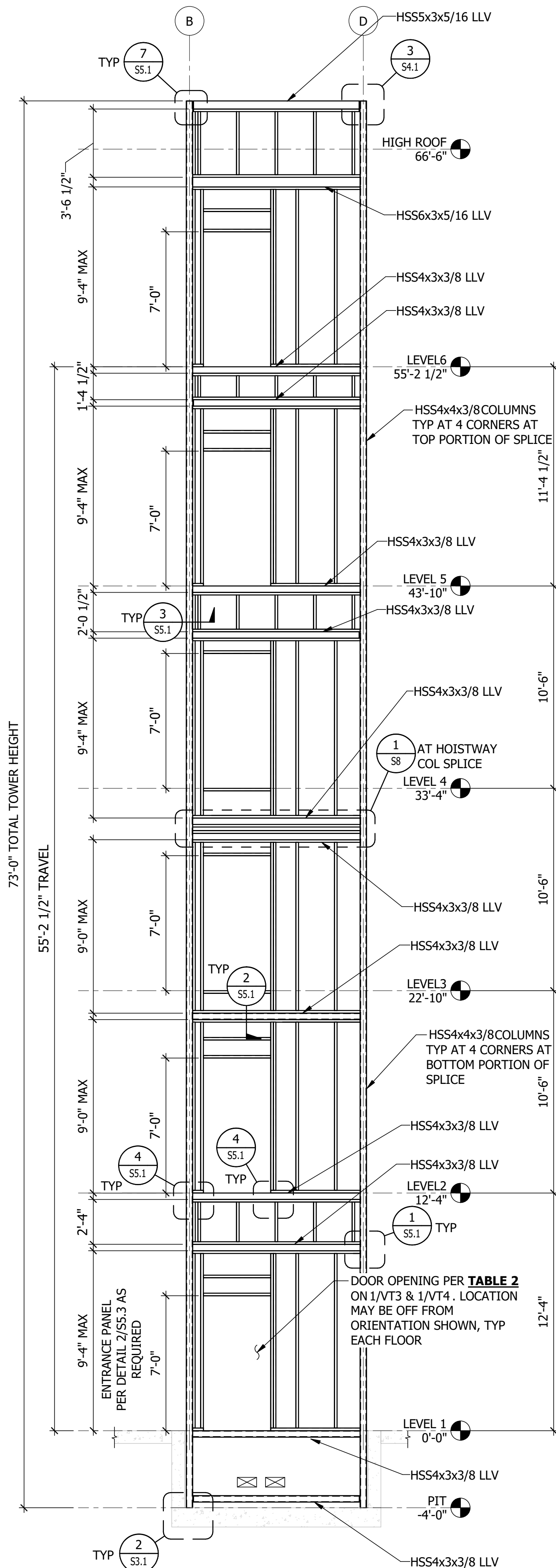
NOTE:
1. SELECT ONLY ONE (1) WALL TYPE PER SIDE.
ENTRANCE WALLS MAY NOT BE ADJACENT

2 WALL SELECTOR
SCALE: NTS



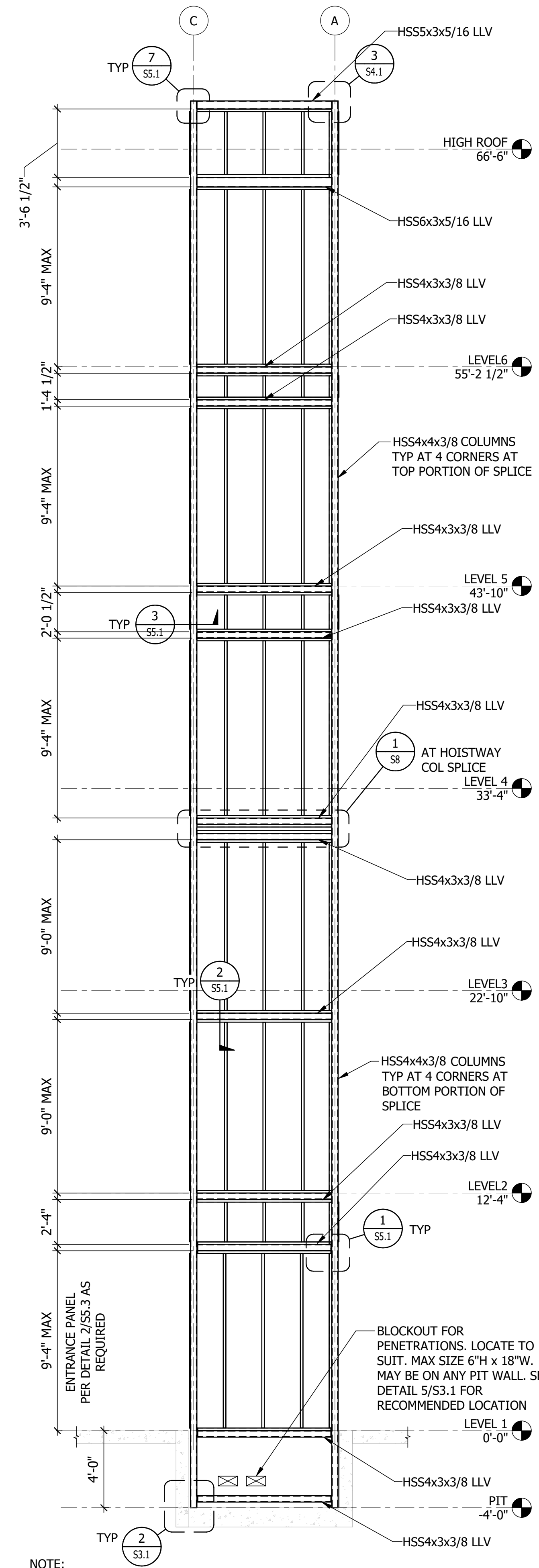
1A LEVEL 1 PLAN
SCALE: 1/4" = 1'-0"

HOISTWAY NOTES:
1. STUDS ARE NOT REQUIRED WITHIN THE PIT.
2. SEE SHEET PD-1 FOR FLOOR ELEVATIONS.
3. SEE DETAIL 6/S8 FOR CONNECTIONS TO STRUCTURE ELEVATIONS, LOCATIONS & FORCES.



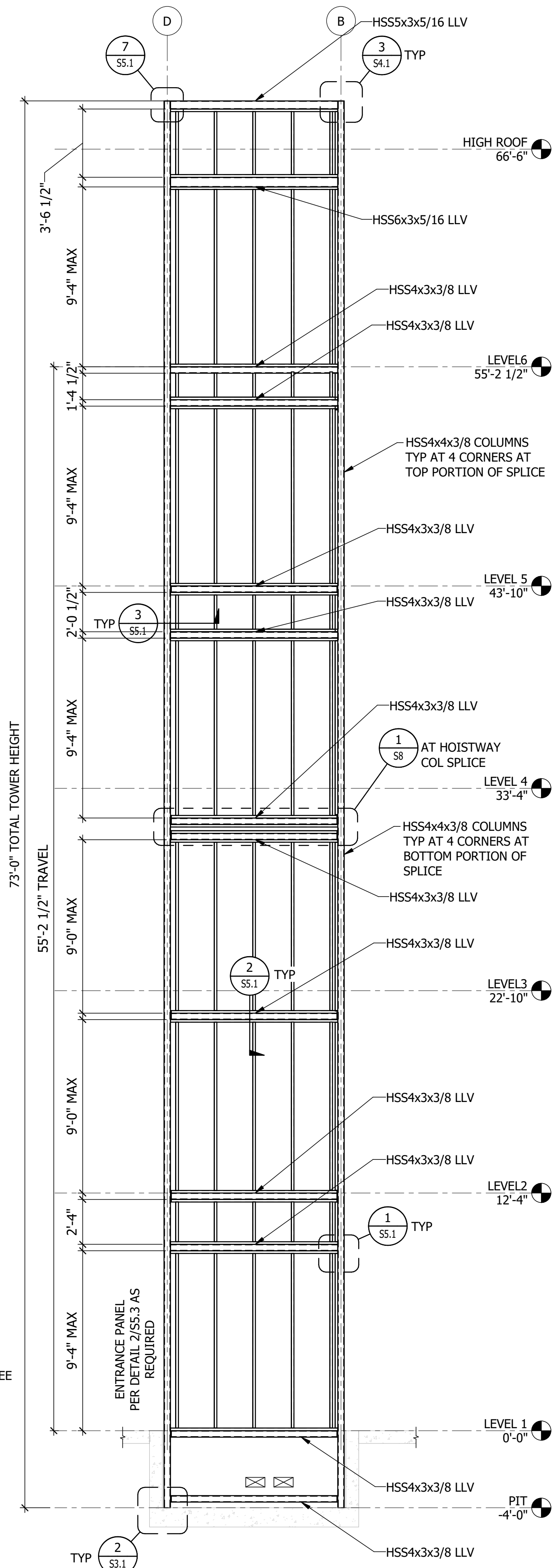
NOTE:
1. PANEL ARRANGEMENT TO SUIT HOISTWAY HEIGHT AND FLOOR LEVELS.

3 HOISTWAY ELEVATION - FRONT WALL
SCALE: NTS
REF SHEET: S5



NOTE:
1. WALL CONFIGURATION CAN BE UTILIZED ON ANY NON ENTRANCE SIDE OF HOISTWAY
2. ELEVATIONS OF HORIZ HSS ON ALL NON-ENTRANCE SIDES OF HOISTWAY SHALL BE THE SAME

4 HOISTWAY ELEVATION - SIDE WALL
SCALE: NTS
REF SHEET: S5



NOTE:
1. PANEL ARRANGEMENT TO SUIT HOISTWAY HEIGHT AND FLOOR LEVELS.

5 HOISTWAY ELEVATION - BACK WALL
SCALE: NTS
REF SHEET: S5



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PROJECT:
2583 WEST BLVD
MODULAR ELEVATOR

OWNER / CLIENT:
TL SHIELD

PROFESSIONAL SEAL

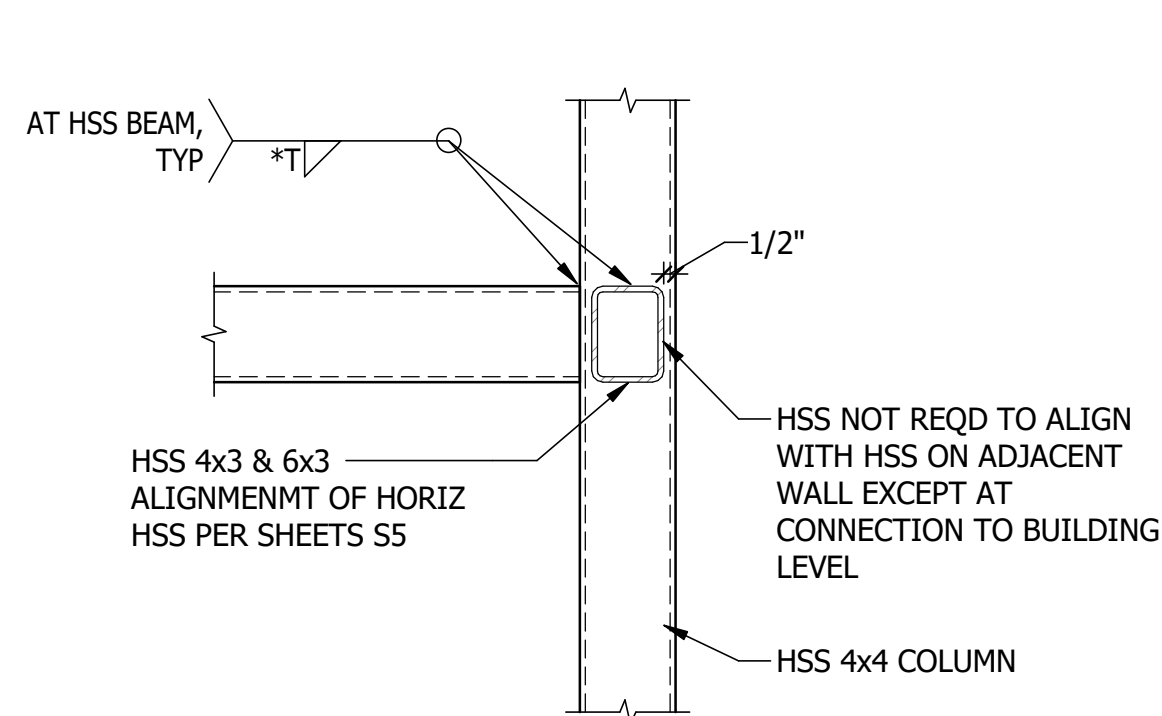


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DESIGNED BY: JOB NUMBER:

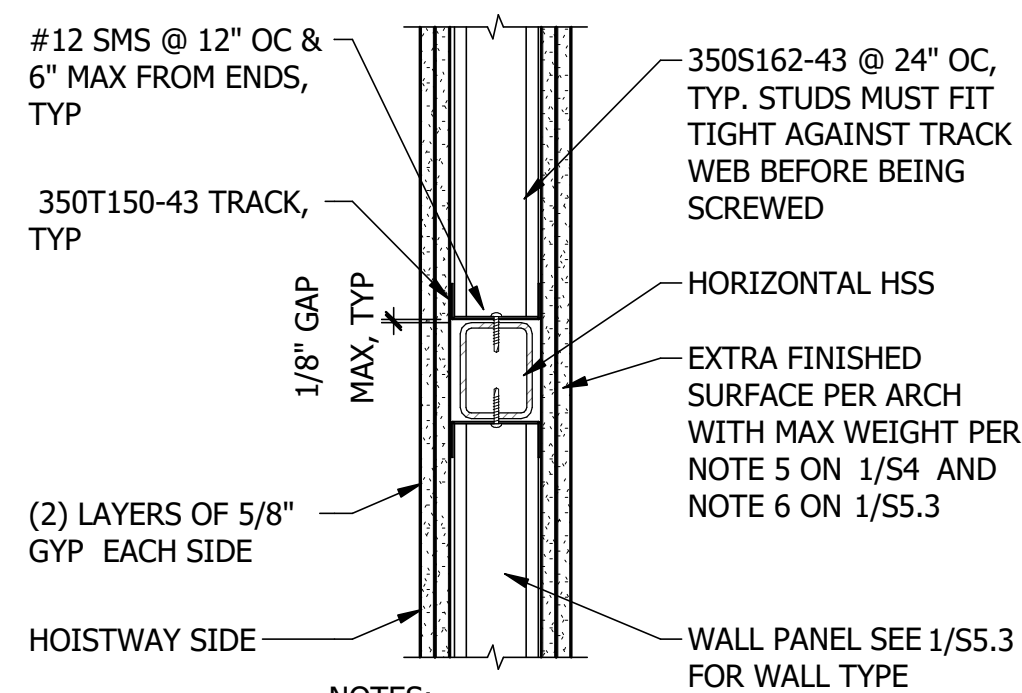
HOISTWAY PLAN AND ELEVATIONS

S5

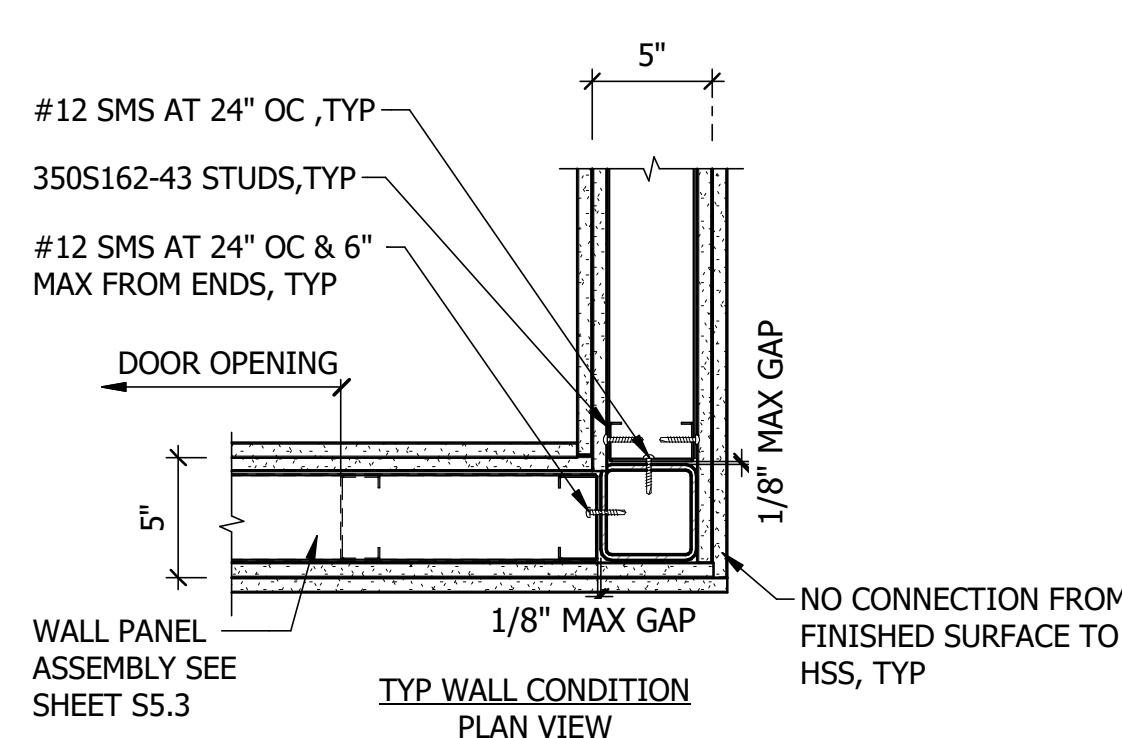
2023-07-20 100% CD



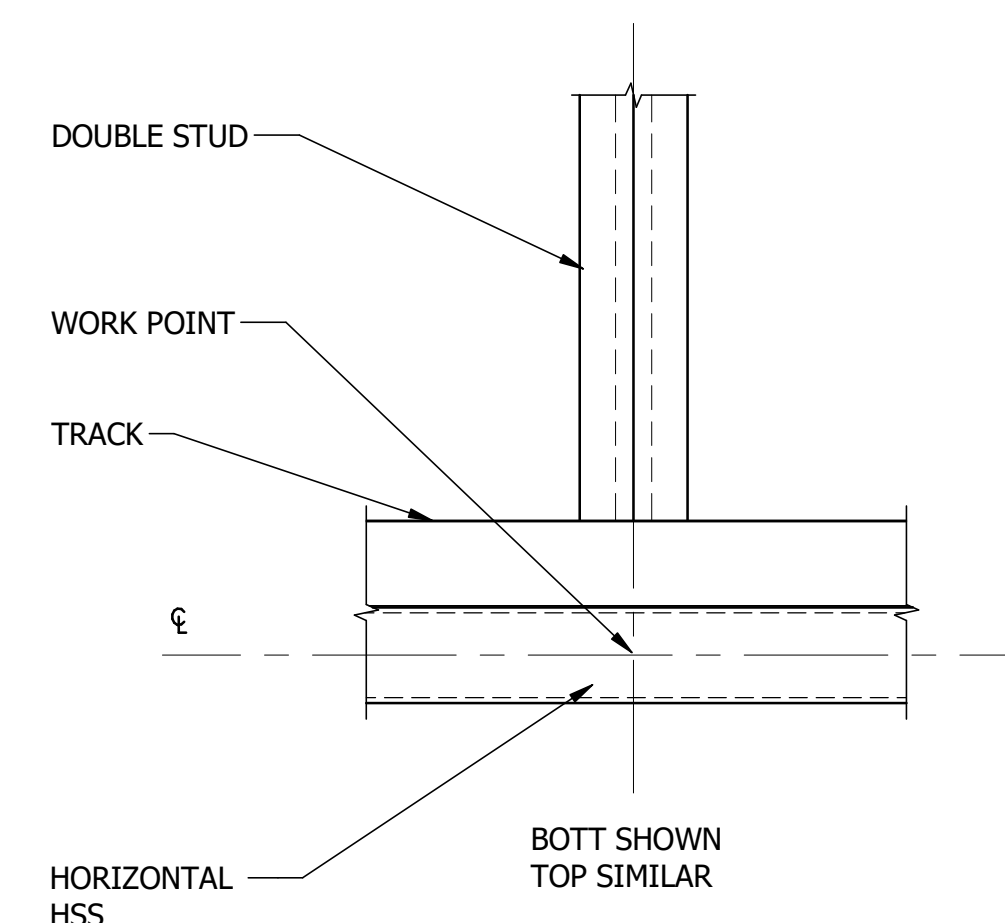
NOTE:
 1. *T = SAME AS HSS WALL THICKNESS



NOTES:
 1. ALL TRACKS TO BE CONT, NO SPLICE.
 2. PANEL BOT TO HSS CONNECTION SHOWN. PANEL TOP CONNECTION SIMILAR.
 3. ALTERNATIVELY HILTI XU POWER-ACTUATED PINS AT 24" OC, MAY BE USED IN LIEU OF #12 SMS. INSTALL PER IIC-ESR REPORT 2269.



NOTE:
 1. ALTERNATIVELY HILTI XU POWDER ACTUATED PINS AT 24" OC, MAY BE USED IN LIEU OF #12 SMS. INSTALL PER IIC-ESR REPORT 2269



1 HORIZ HSS TO COLUMN DETAIL

SCALE: NTS
 REF SHEET: S5

2 PANEL CONNECTION DETAIL

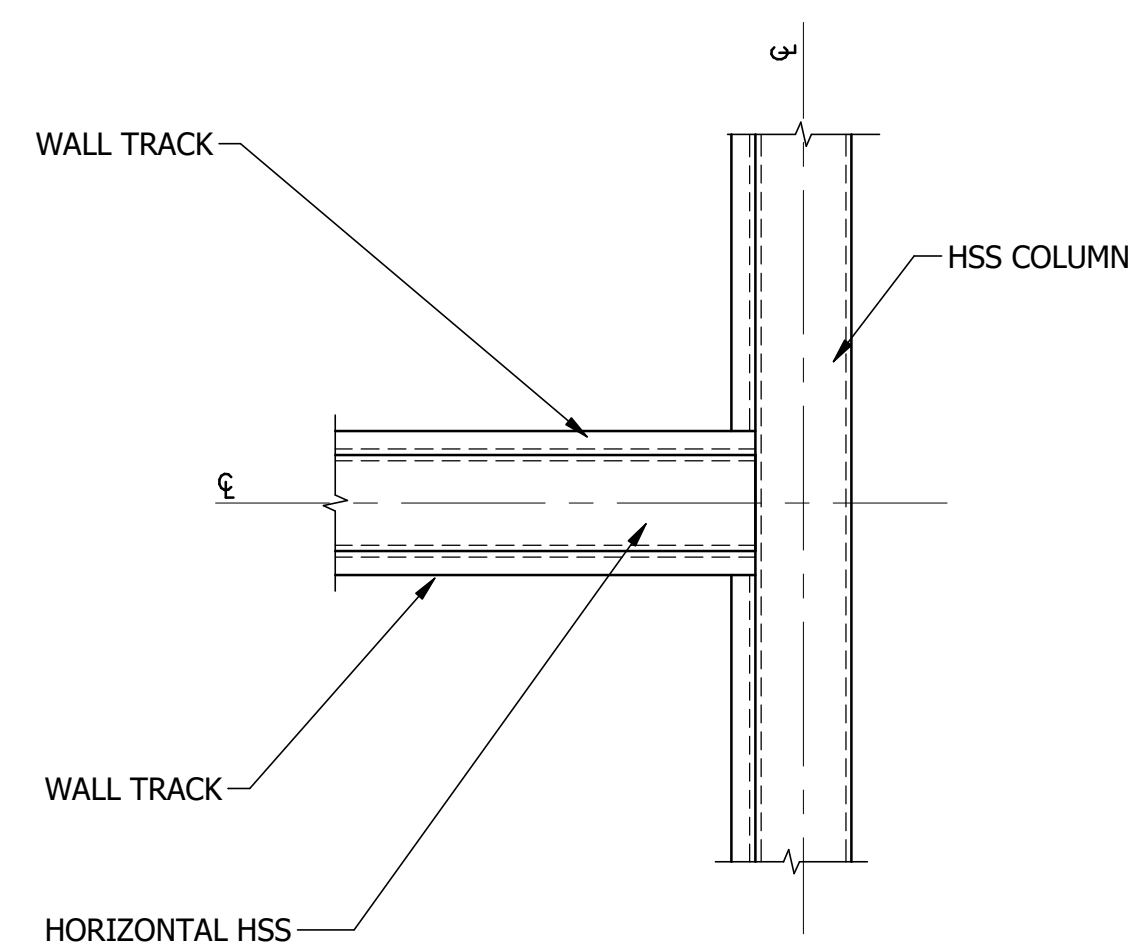
SCALE: NTS
 REF SHEET: S5

3 COLUMN DETAIL

SCALE: NTS
 REF SHEET: S5

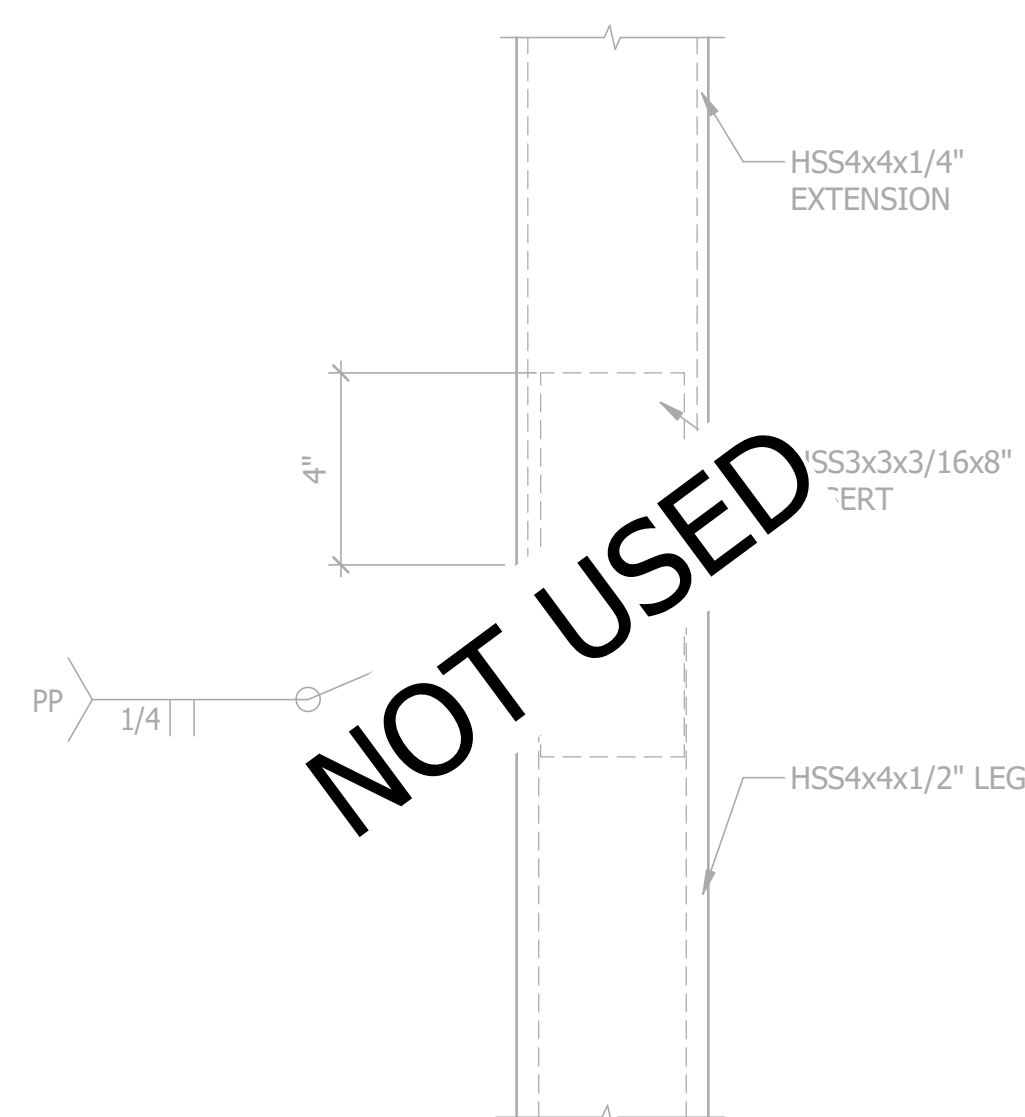
4 DOOR PANEL DETAIL

SCALE: NTS
 REF SHEET: S5



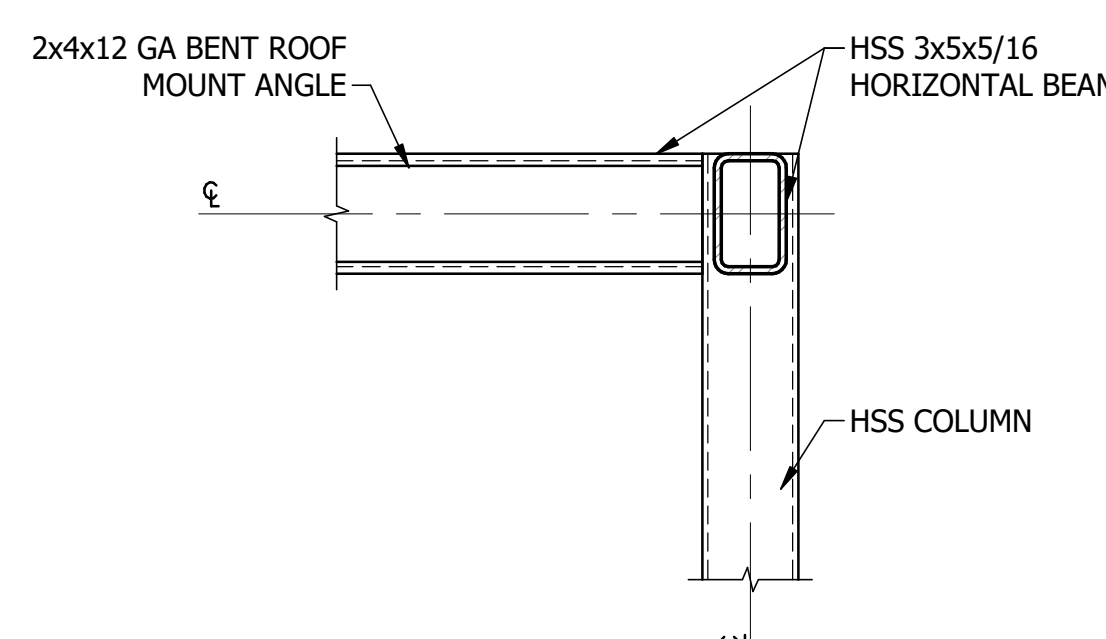
5 DETAIL

SCALE: NTS
 REF SHEET: S5.3



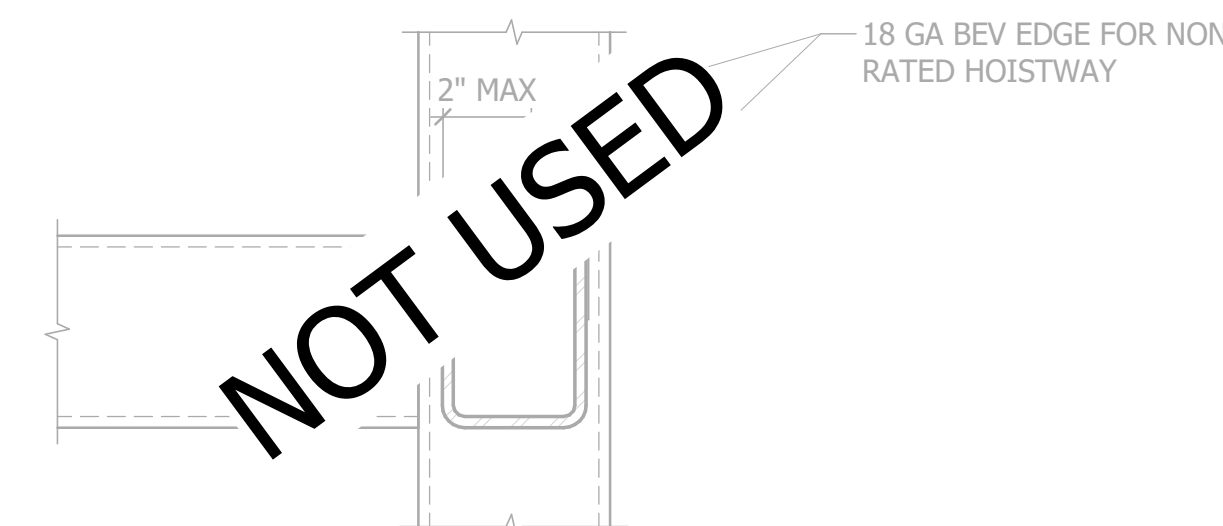
6 LEG SPLICE DETAIL

SCALE: NTS



7 TOP CORNER DETAIL

SCALE: NTS
 REF SHEET: S5



8 NON-RATED WALL DETAIL

SCALE: NTS

PROJECT:
2583 WEST BLVD

MODULAR ELEVATOR

OWNER / CLIENT:

TL SHIELD

PROFESSIONAL SEAL

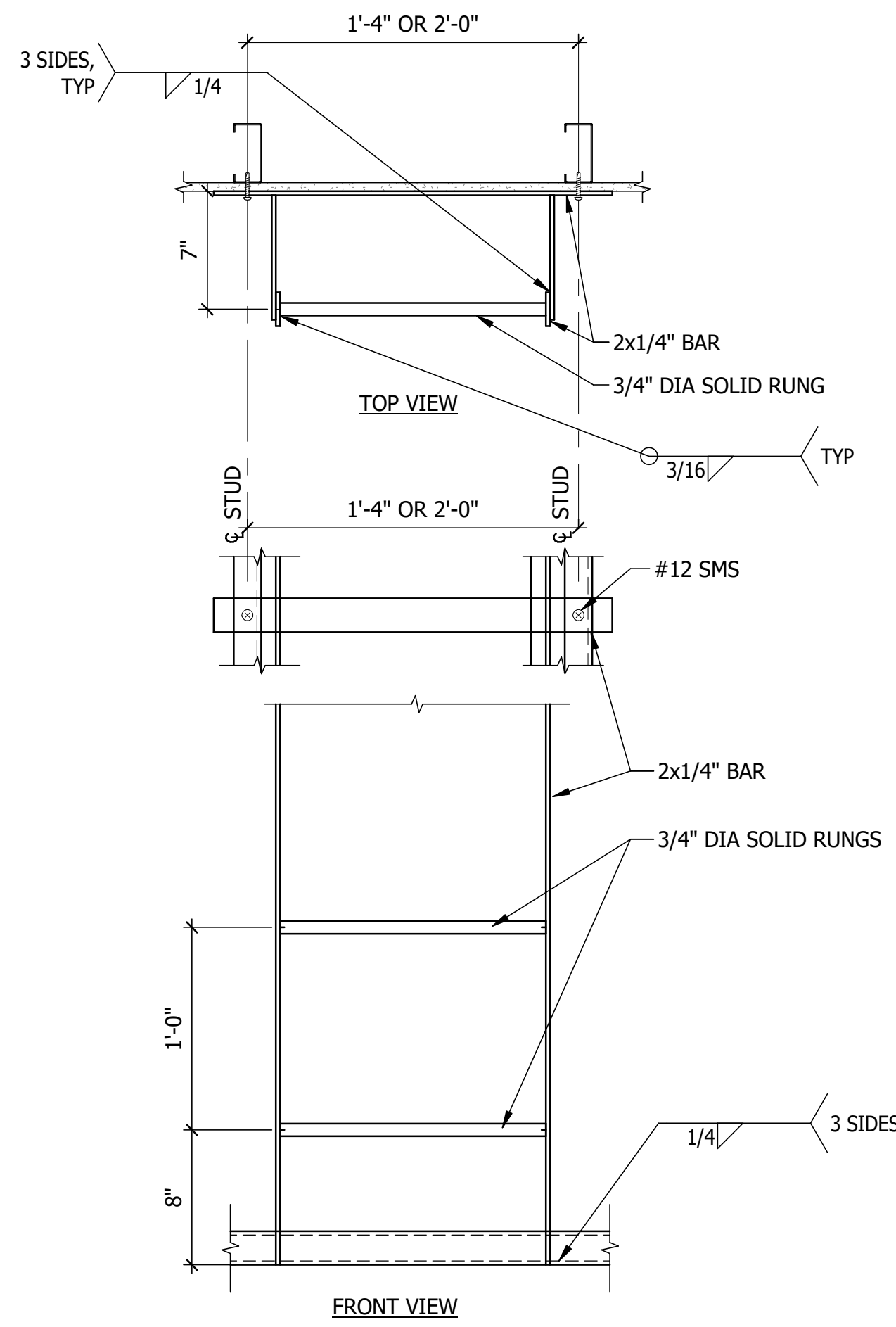
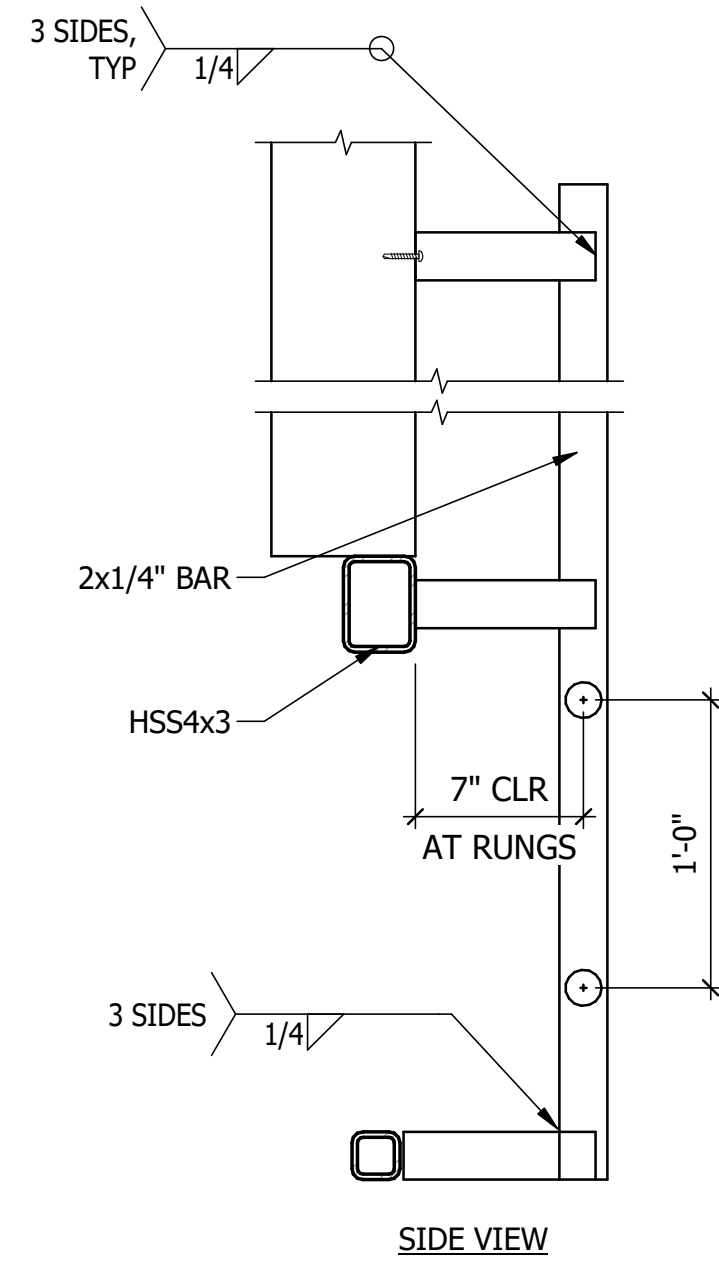


REVISION:	DATE:
	07/20/2023
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AFV	JB
DESIGNED BY:	JOB NUMBER:
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HOISTWAY DETAILS

S5.1

2023-07-20 100% CD



1 PIT LADDER DETAIL
SCALE: NTS



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PROJECT: **2583 WEST BLVD**
 MODULAR ELEVATOR
 OWNER / CLIENT: **TL SHIELD**

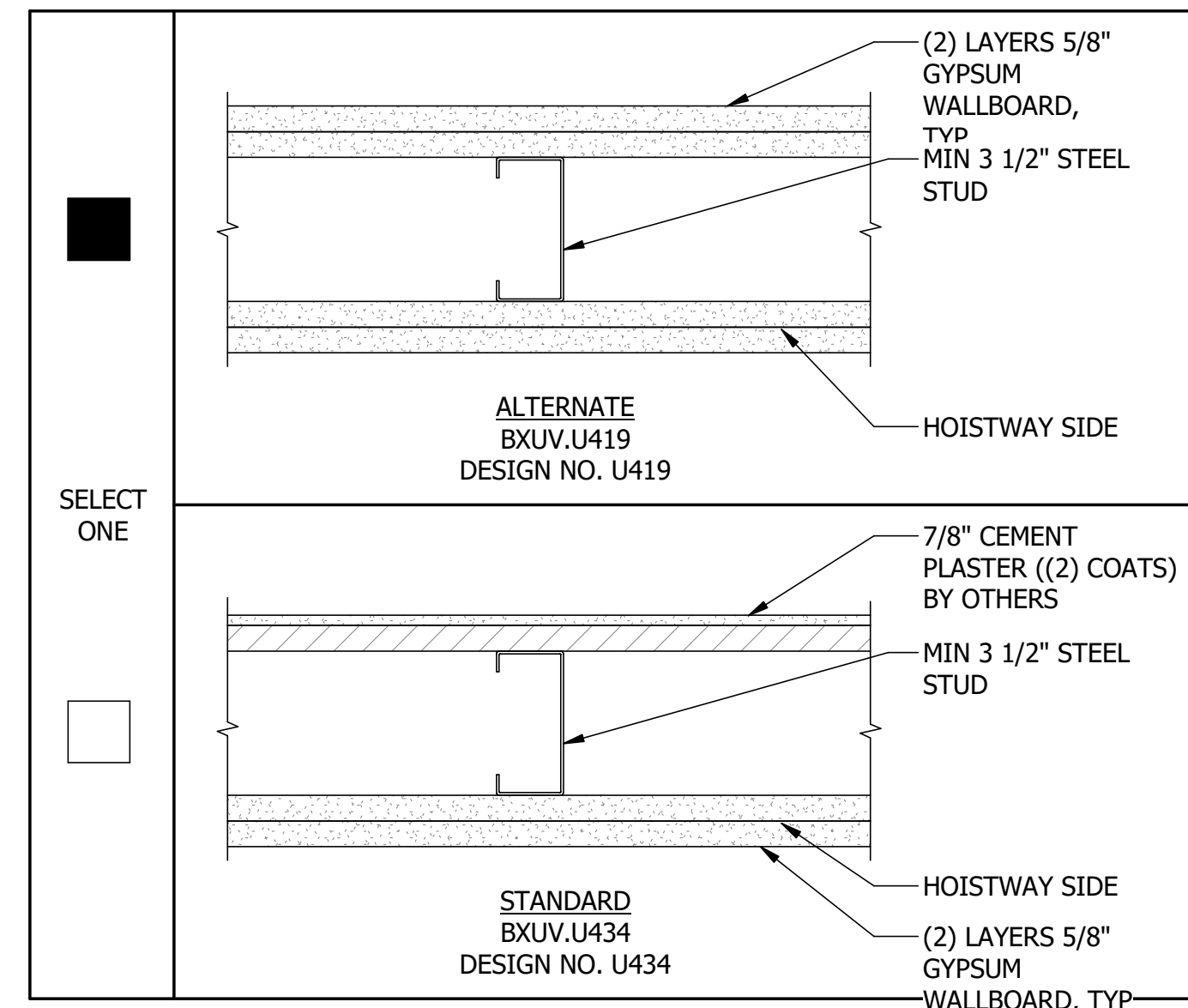


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KH	A22-099

MISCELLANEOUS
 DETAILS

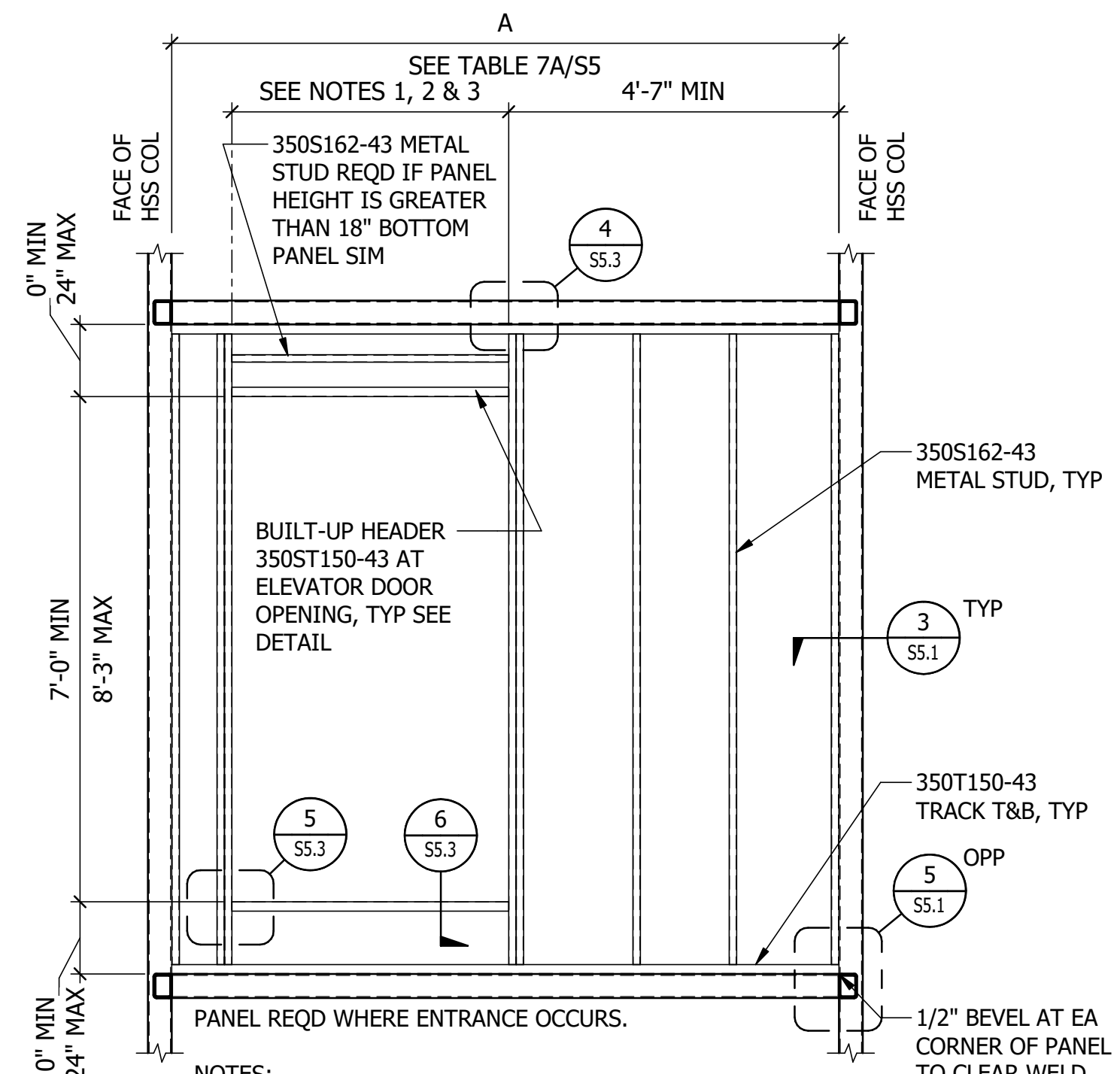
S5.2

2023-07-20 100% CD



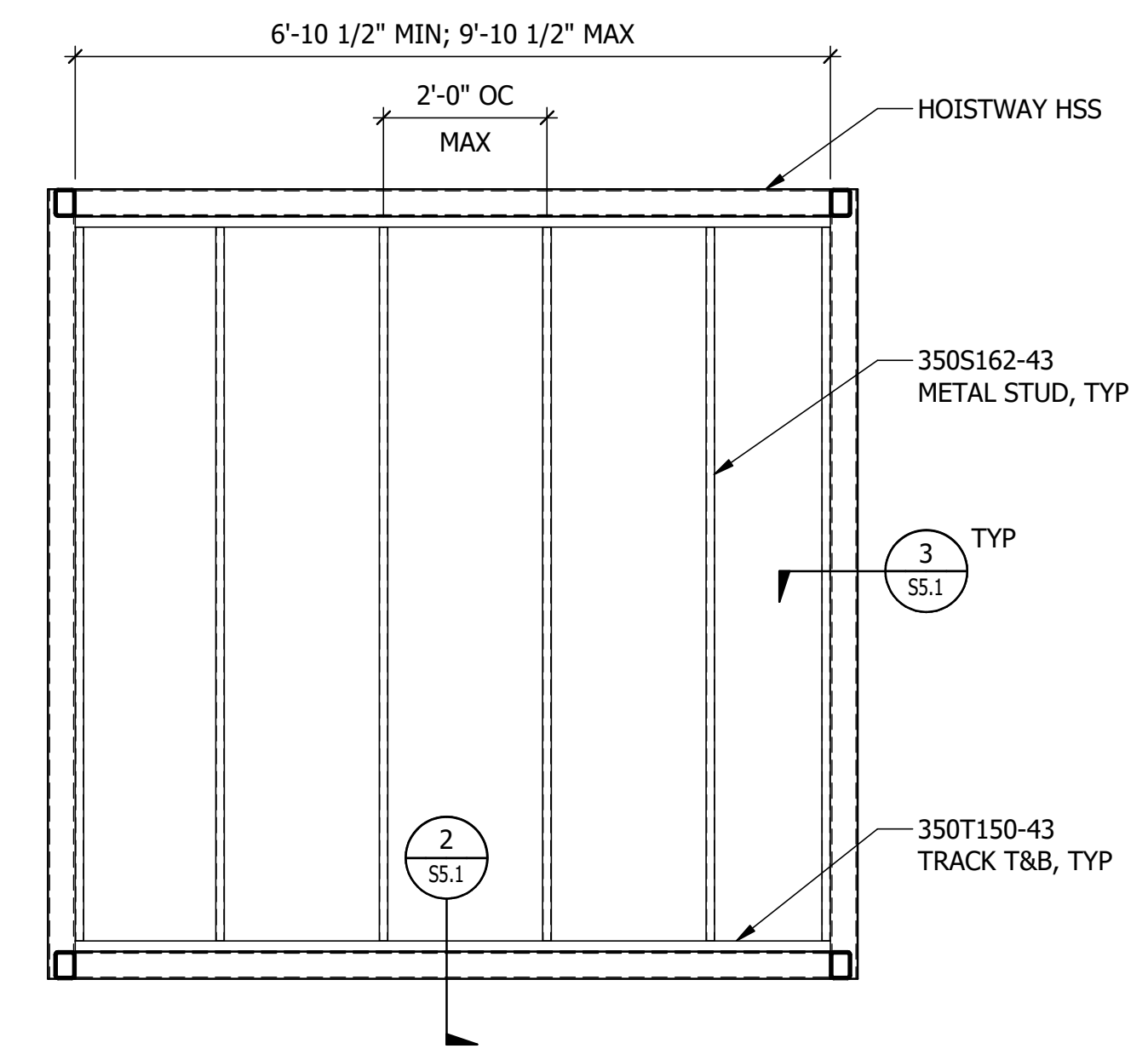
- NOTES:
1. SEE SHEET S5 OR SHEET S5A FOR NON-RATED WALL CONDITION.
 2. ALL ENTRANCE WALLS MUST BE FIRE RATED, TYP.
 3. SEE TABLE ON 2/S5 FOR WALL SELECTOR.
 4. PANELS VIEWED FROM INSIDE OF HOISTWAY.
 5. 2-HOUR FIRE RATED ASSEMBLY WILL CONSIST OF TWO LAYERS 5/8" OF TYPE X GYPSUM WALLBOARD INSIDE & OUTSIDE OF TOWER UTILIZING 3 1/2" STUDS. ASSEMBLY IS BASED UPON UL DESIGN NO. U419.
 6. CALCULATIONS ASSUME A MAX OF 14 PSF TOTAL WEIGHT, INCLUDING CLADDING.

1 TWO HOUR RATED WALL TYPES
SCALE: NTS

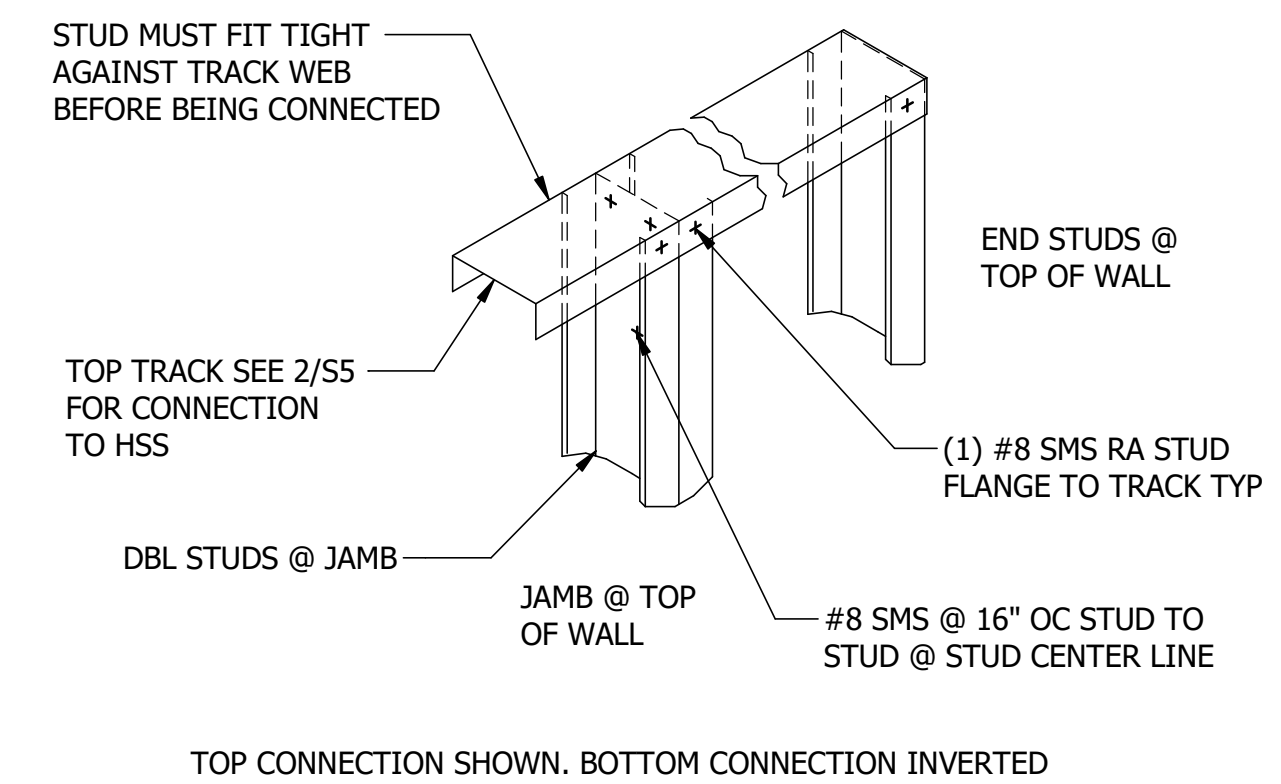


- NOTES:
1. 4'-4" FOR 3'-6" FINISHED OPENING
 2. 3'-10" FOR 3'-0" FINISHED OPENING
 3. SEE PD-1 FOR FINISHED OPENING DIM

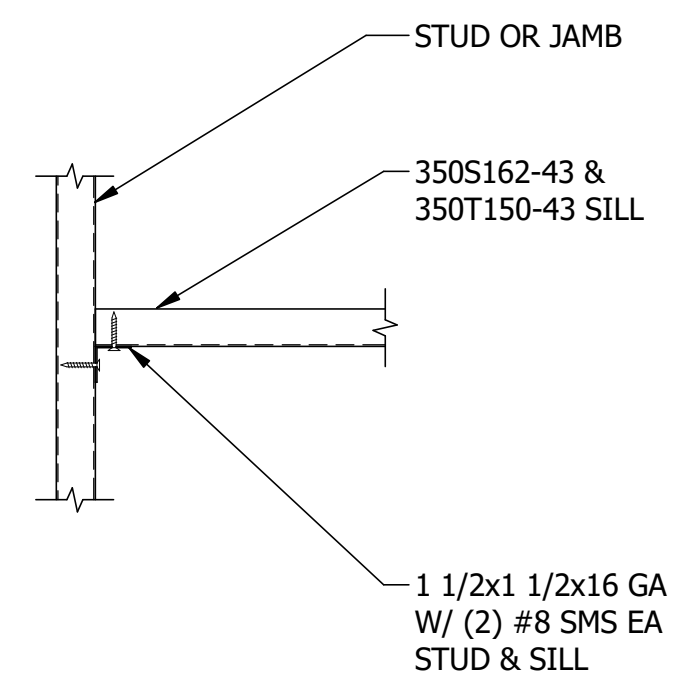
2 HOISTWAY ENTRANCE ELEVATION
SCALE: NTS



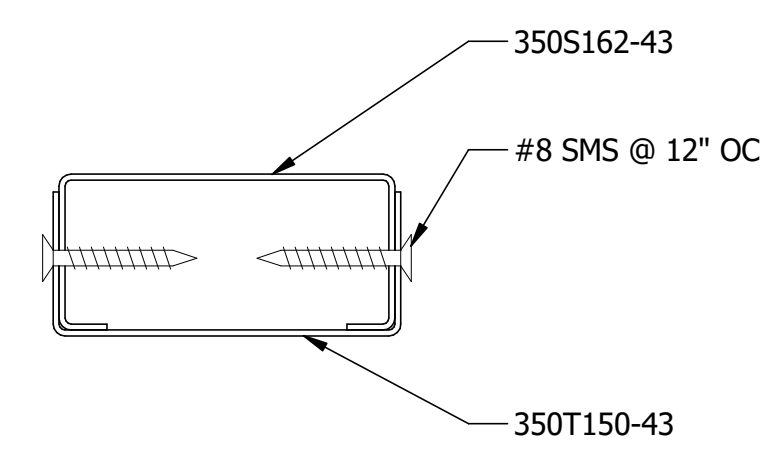
3 HOISTWAY WALL PANEL ELEVATION
SCALE: NTS



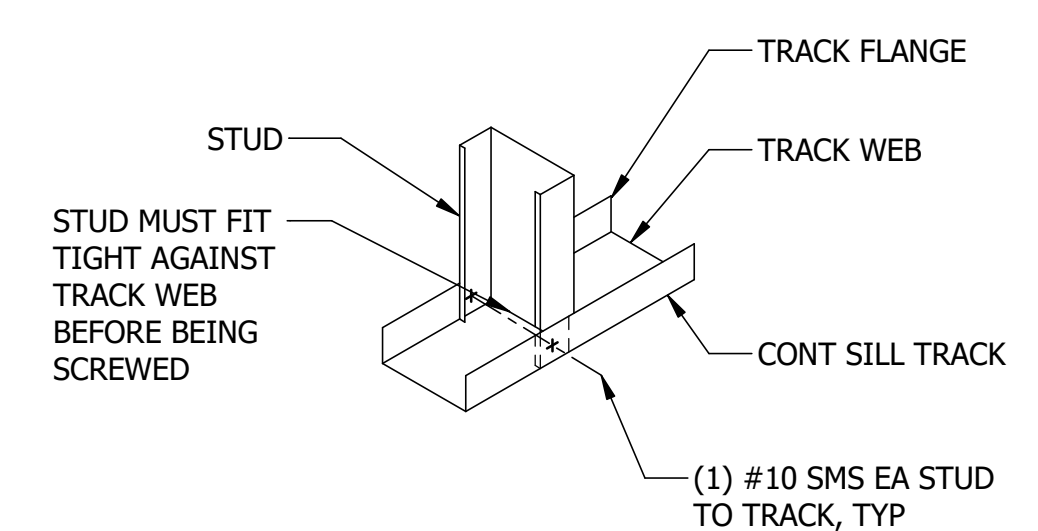
4 JAMB AT TOW DETAIL
SCALE: NTS
REF SHEET: S5.3



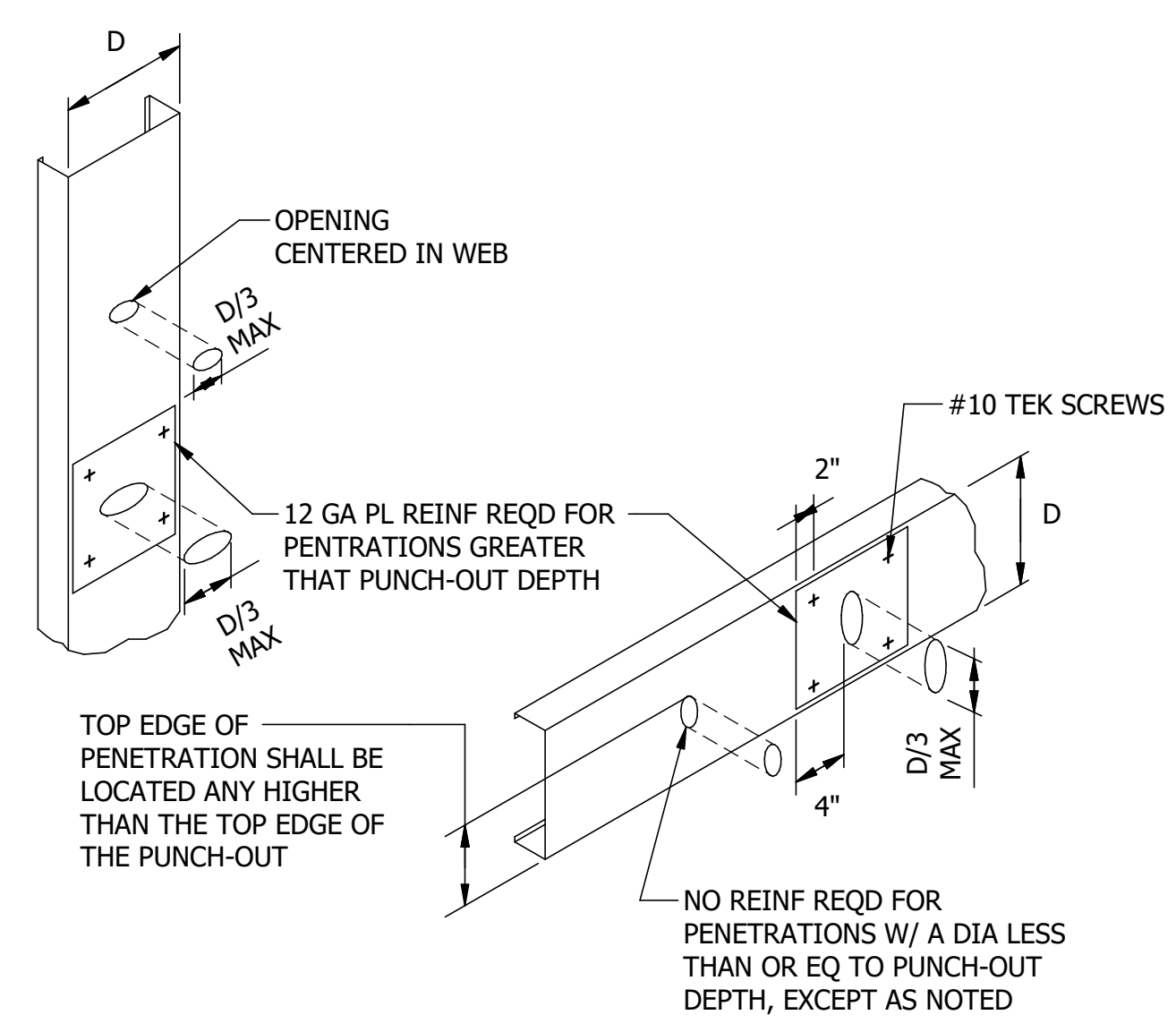
5 HORIZ STUD CONNECTION DETAIL
SCALE: NTS
REF SHEET: S5.3



6 DOOR ENTRANCE TRACK ASSEMBLY DETAIL
SCALE: NTS
REF SHEET: S5.3

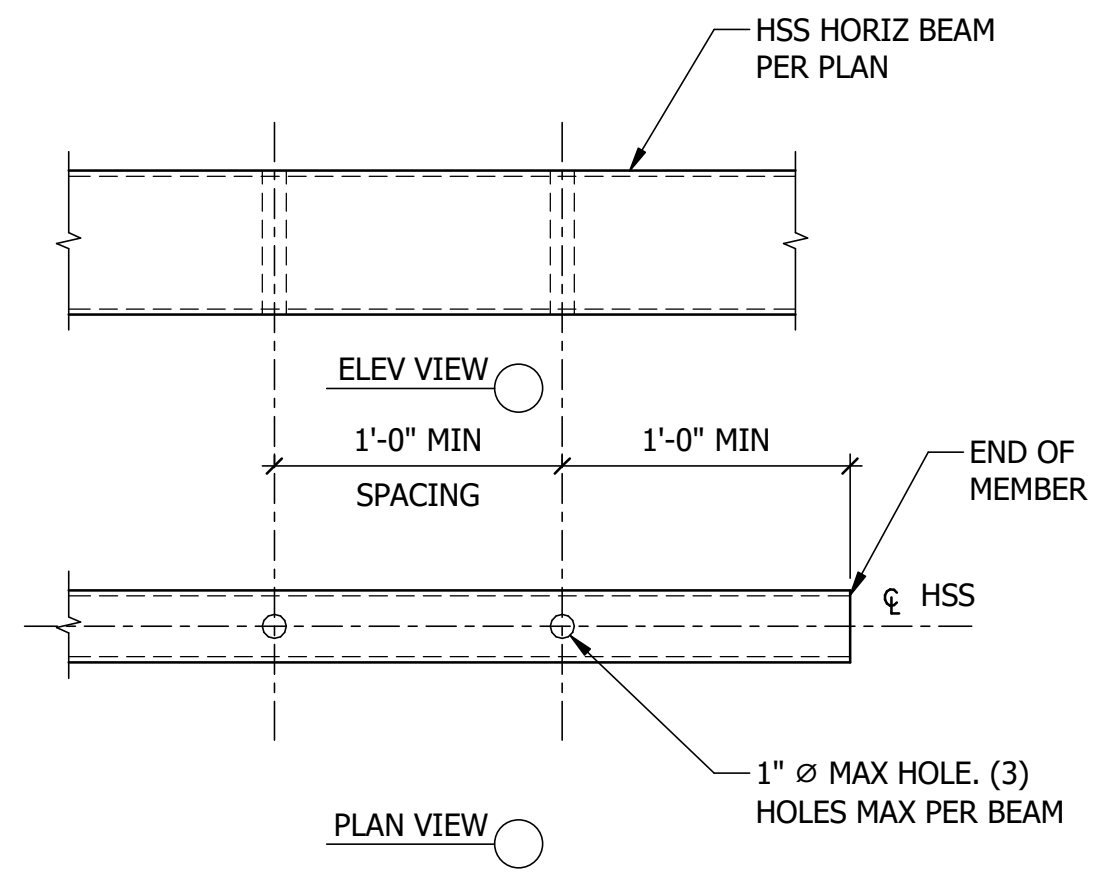


7 STUD TO TRACK CONNECTION DETAIL
SCALE: NTS



- NOTES:
1. FLANGES SHALL BE NOTCHED OR CUT.
 2. ANY OPENINGS LOCATED AT CONCENTRATED LOADS & BRG ENDS SHALL HAVE WRITTEN APPROVAL FROM THE SE.

8 PENETRATION DETAIL
SCALE: NTS



9 PENETRATION HORIZ HSS DETAIL
SCALE: NTS

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PROJECT: **2583 WEST BLVD**
MODULAR ELEVATOR
OWNER / CLIENT: **TL SHIELD**

PROFESSIONAL SEAL

DATE: **07/20/2023**

REVISION: DATE:
DRAWN BY: **AFV** CHECKED BY: **JB**
DESIGNED BY: **KH** JOB NUMBER: **A22-099**

HOISTWAY WALL PANELS

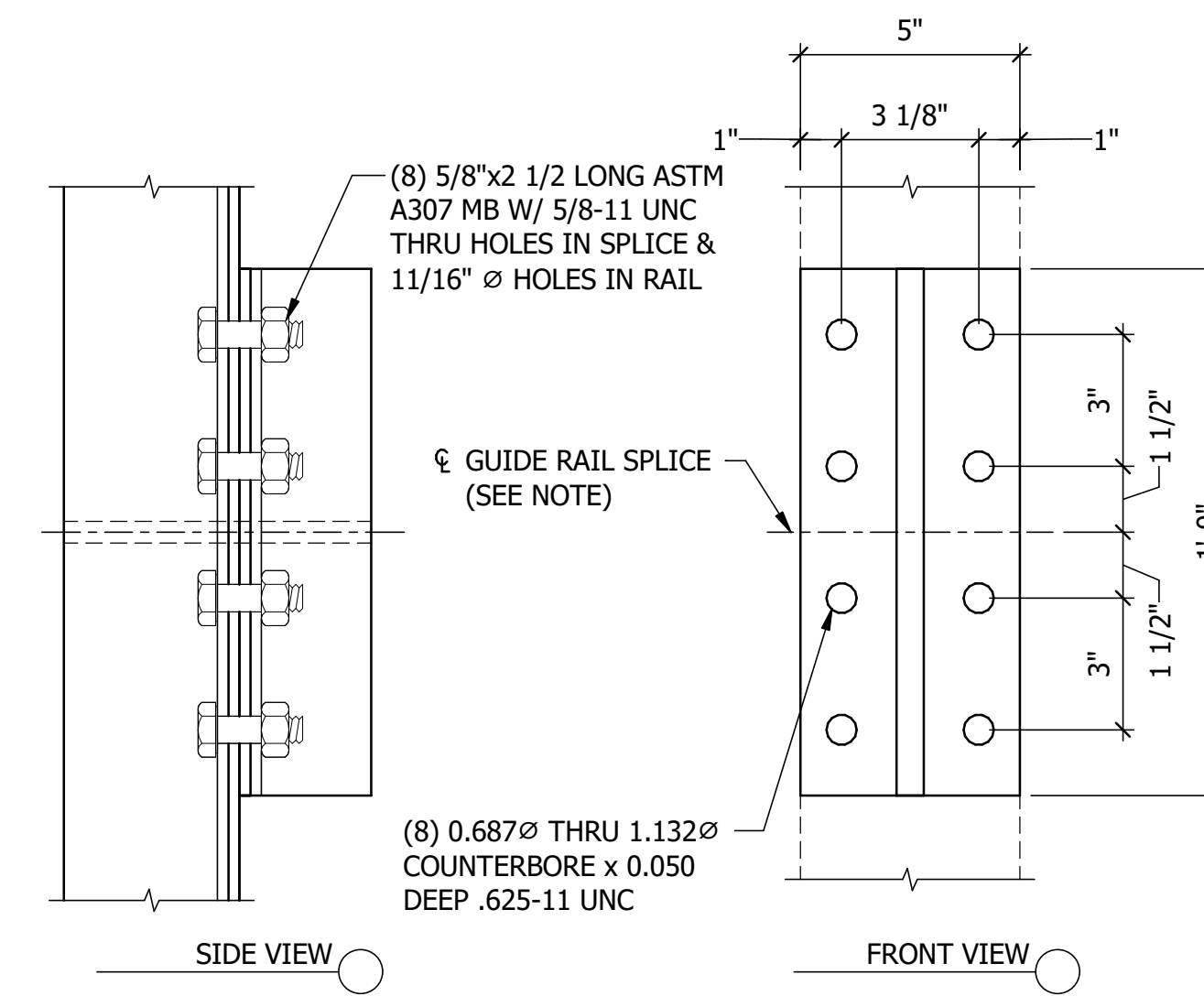
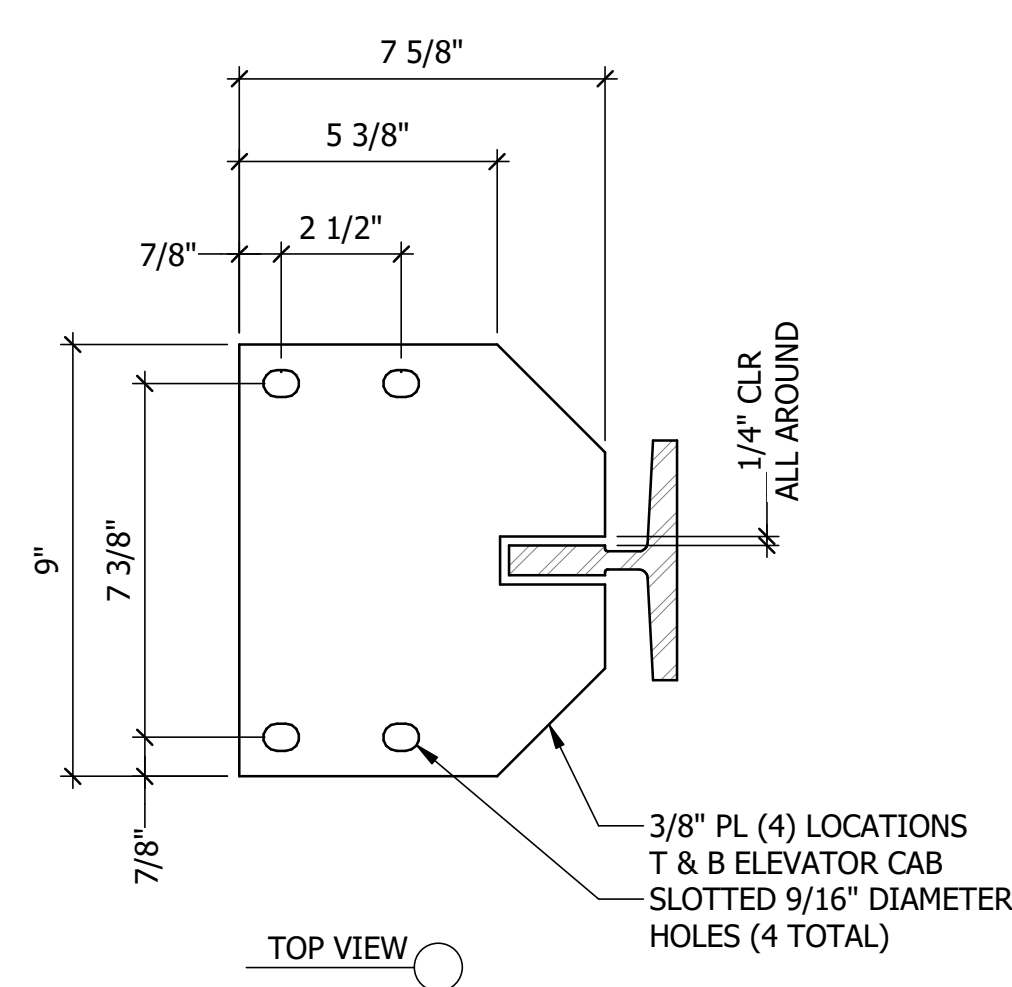
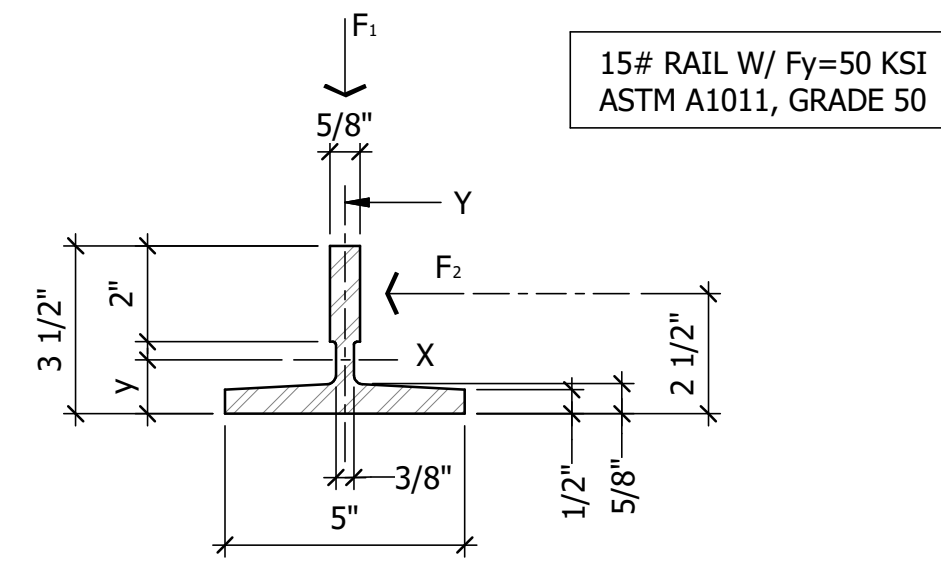
2023-07-20 100% CD

MAX SEISMIC REACTION		
ELEVATOR CAPACITY	4000 LBS MAX	
	NORMAL	SEISMIC
F1	SEE PD-1	
F2		

NOTES:
1. BASED UPON 15# RAIL. ALL FORCES SHOWN DOUBLED FOR IMPACT. MAX RAIL BRACKET SPACING = 9'-4"

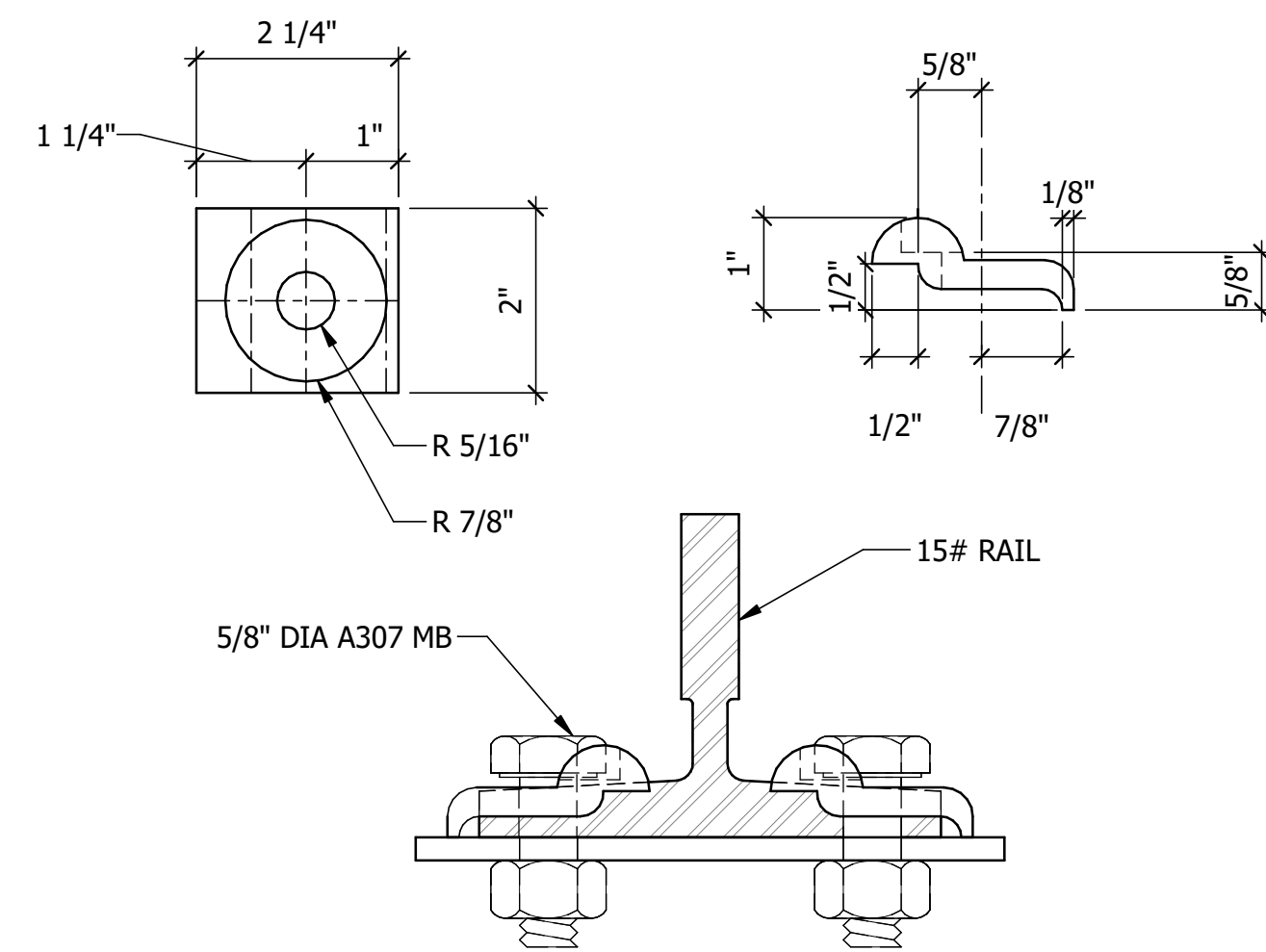
TYPE RAIL	AREA	AXIS X-X				AXIS Y-Y			
		DISTANCE TO BACK OF FLANGE	MOMENT OF INERTIA	SECTION MODULUS	RADIUS OF GYRATION	MOMENT OF INERTIA	SECTION MODULUS	RADIUS OF GYRATION	
15#	4.44	y	I	s	r	I	s	r	
		0.97	4.77	1.89	1.04	5.53	2.21	1.11	

NOTES:
1. MAX BRACKET SPACING = 9'-4"

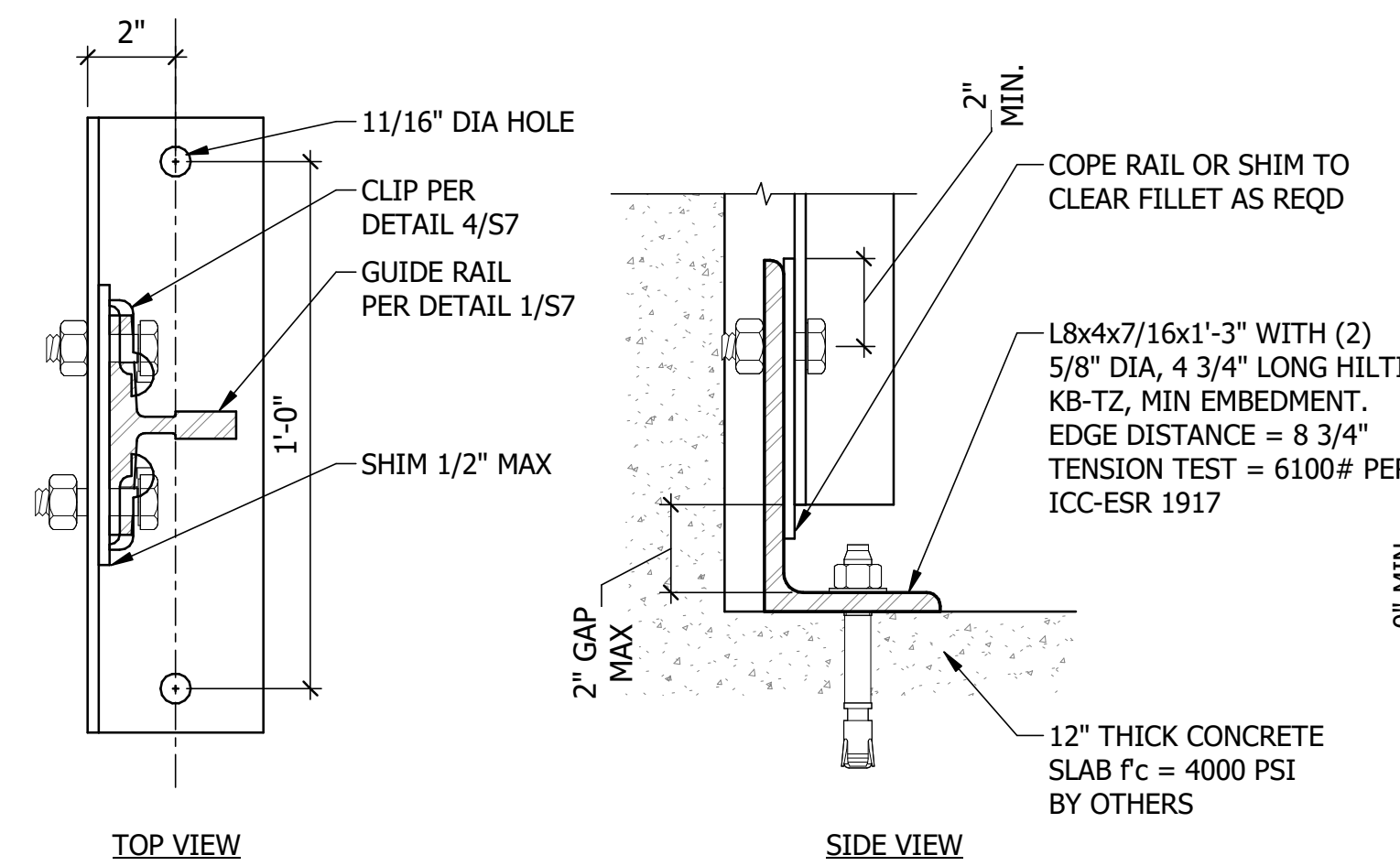


NOTES:
1. MACHINE ENDS OF RAIL WEB FOR 1/4" TONGUE & MATCHING GROOVE CENTRALLY LOCATED IN THE WEB AT THE SPLICE.
2. MACHINE BACKS OF RAIL FLANGES AT PL LOCATION.

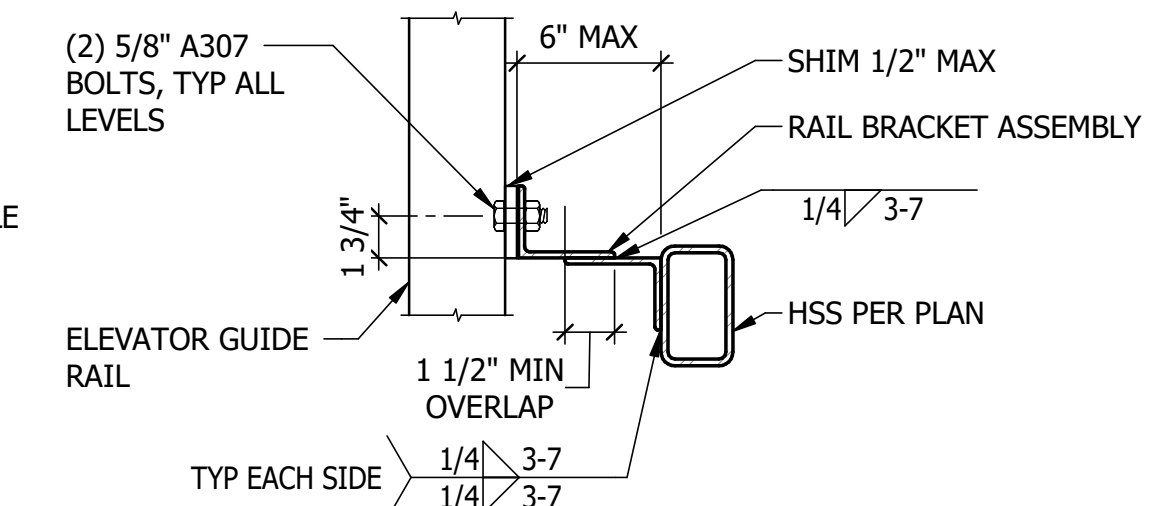
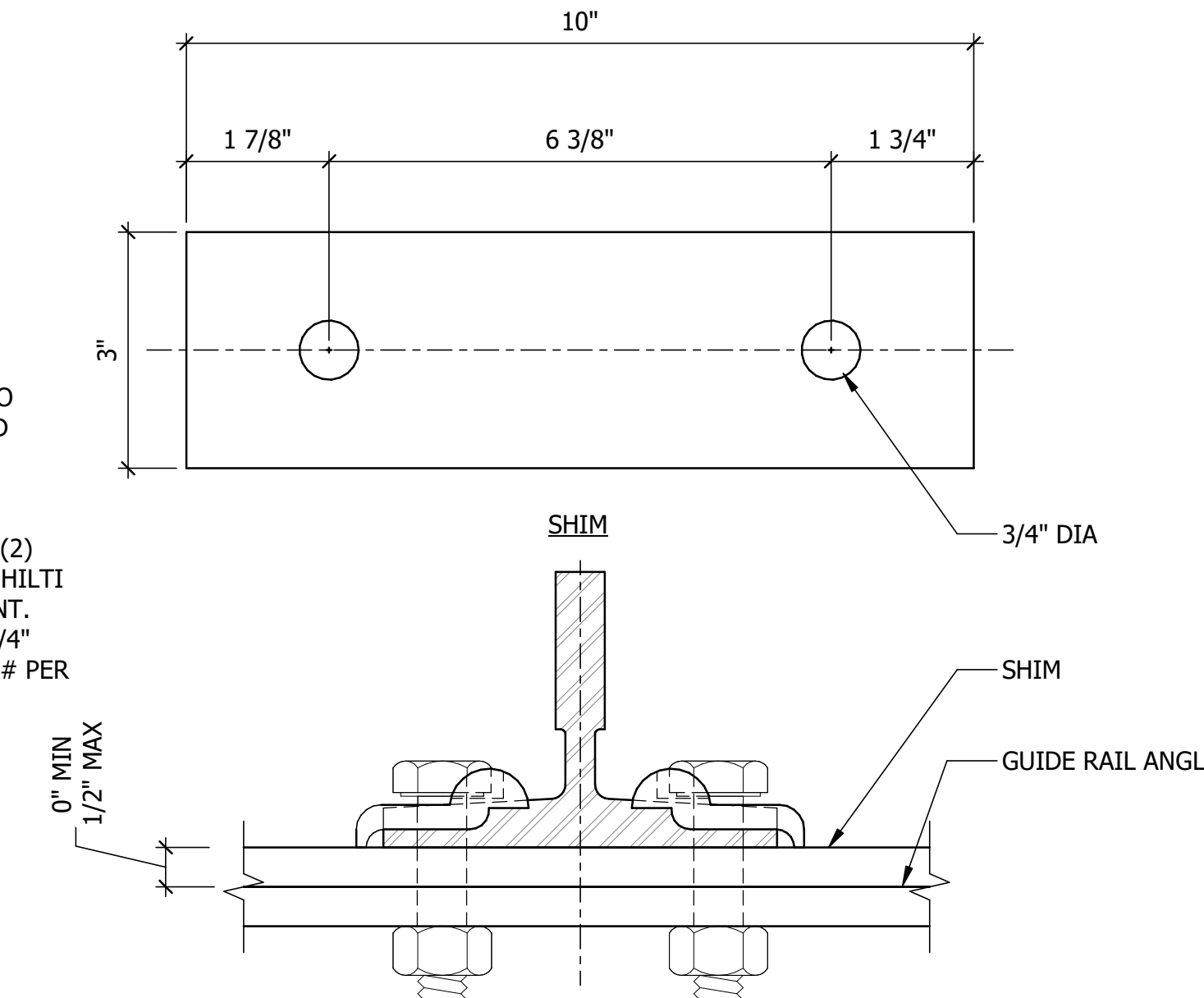
1 #15 RAIL SECTION DETAIL
SCALE: NTS
REF SHEET: VT2A



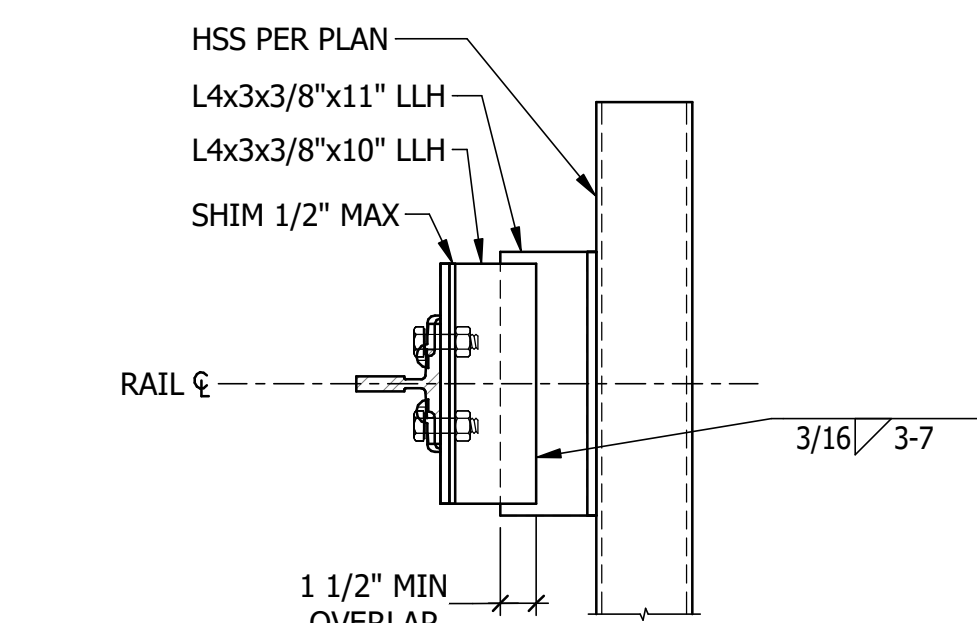
2 RAIL RETAINER PLATE DETAIL
SCALE: NTS



3 FISHPLATE DETAIL
SCALE: NTS
REF SHEET: VT2A

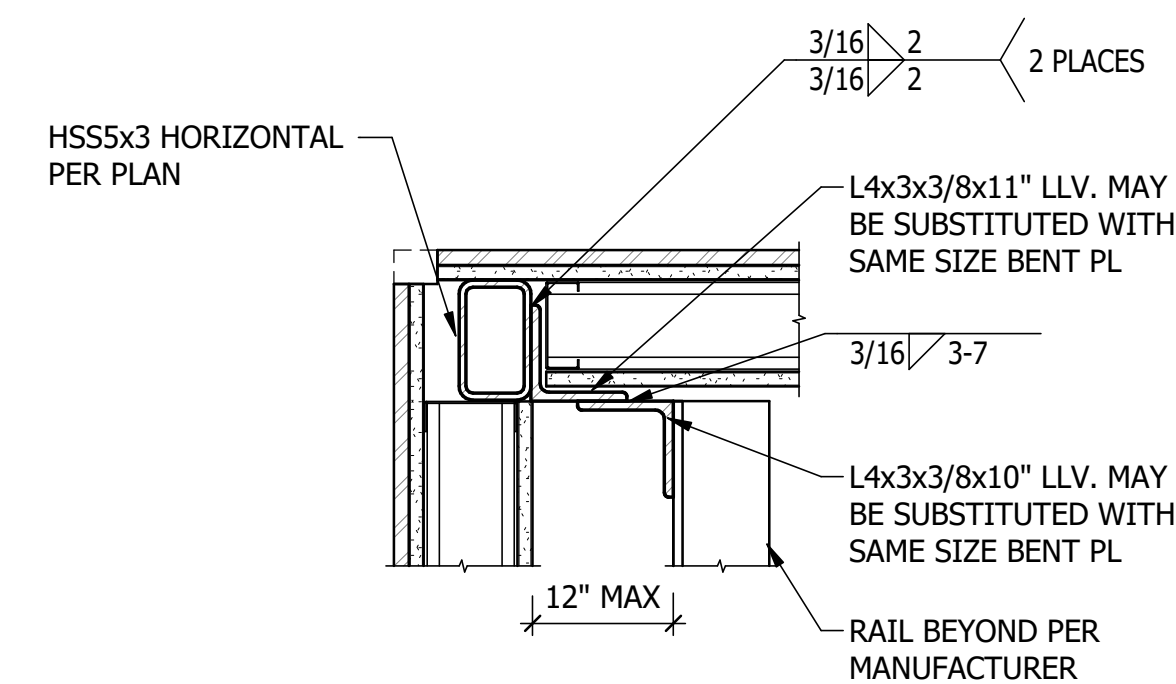


4 RAIL BRACKET CONNECTION DETAIL
SCALE: NTS

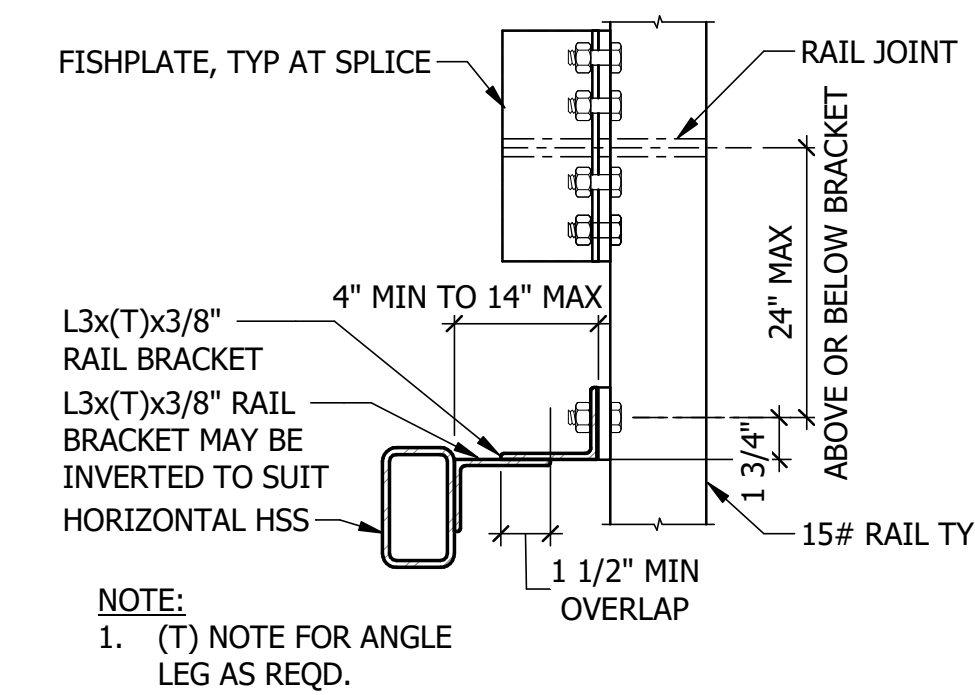


NOTE:
1. BRACKET WIDTH MAY BE ADJUSTED TO ALLOW FOR VARIATION IN HOISTWAY. HOWEVER, MIN ANGLE OVERLAP MUST BE MAINTAINED AS NOTED.

5 OPTIONAL FLOOR BRACKET DETAIL
SCALE: NTS
REF SHEET: VT2A



6 RAIL CLIP CONNECTION DETAIL
SCALE: NTS



NOTE:
1. (T) NOTE FOR ANGLE LEG AS REQ.

7 RAIL BRACKET CONNECTION DETAIL
SCALE: NTS
REF SHEET: VT2A

8 RAIL BRACKET CONNECTION DETAIL
SCALE: NTS
REF SHEET: VT2A

9 TOP RAIL BRACKET DETAIL
SCALE: NTS
REF SHEET: VT2A

10 RAIL SPLICE DETAIL
SCALE: NTS
REF SHEET: VT2A

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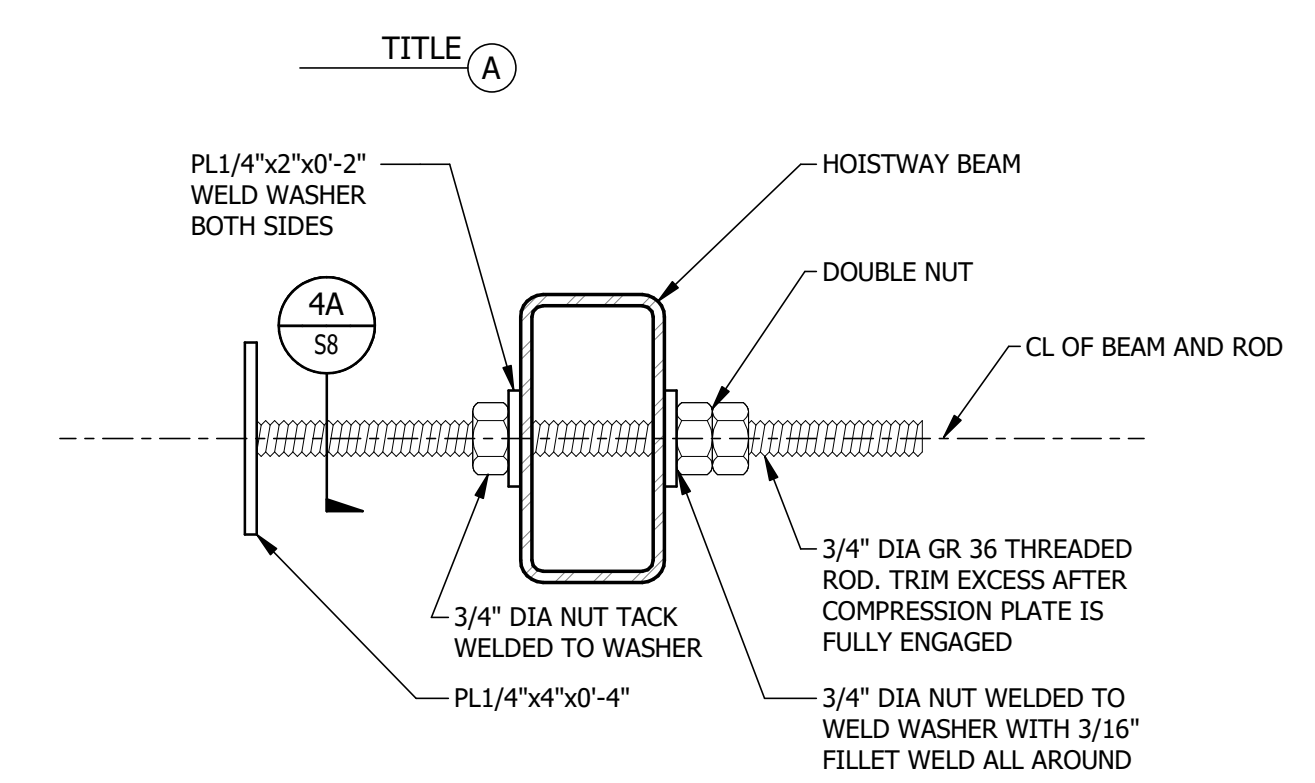
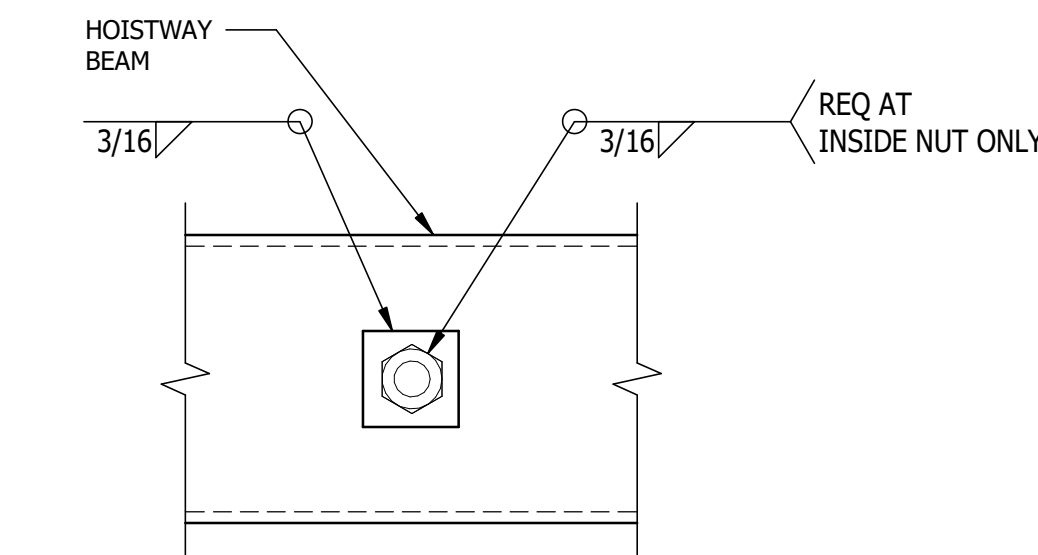
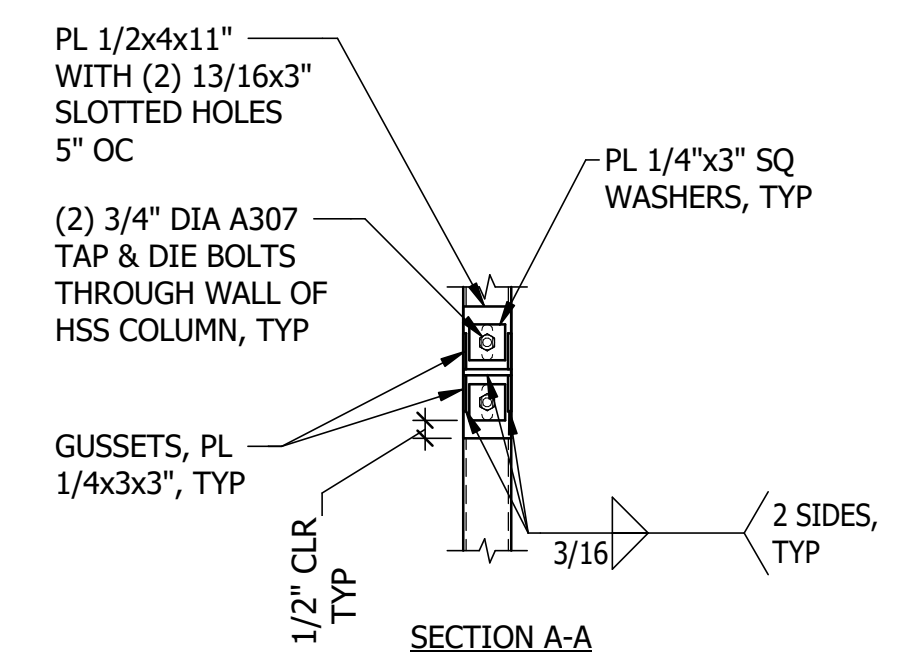
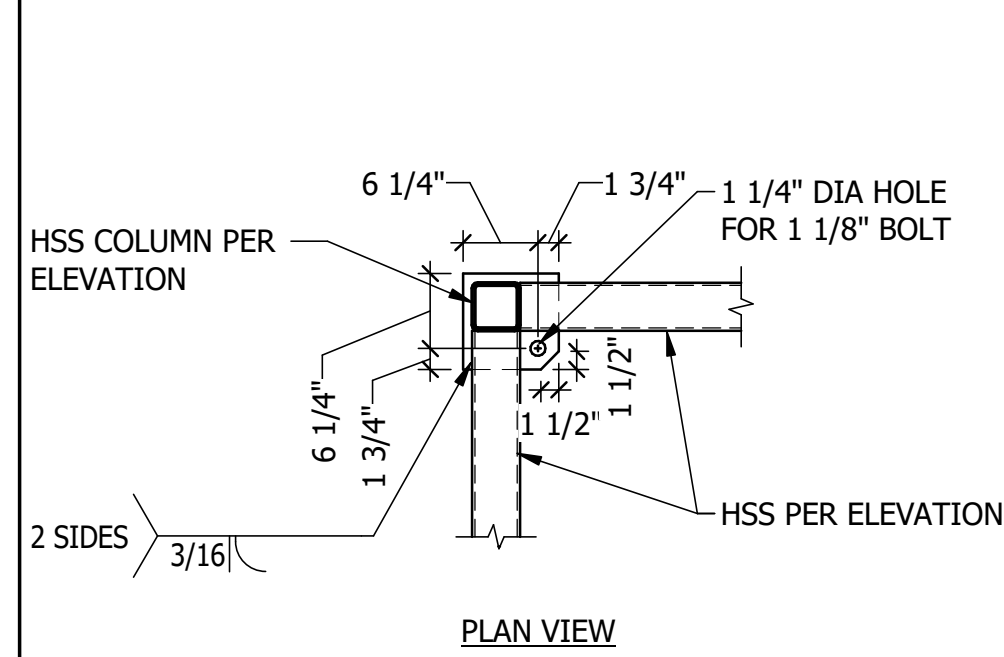
PROJECT: **2583 WEST BLVD**
MODULAR ELEVATOR
OWNER / CLIENT: **TL SHIELD**

PROFESSIONAL SEAL

07/20/23

REVISION: DATE:
07/20/2023
DRAWN BY: CHECKED BY:
AFV JB
DESIGNED BY: JOB NUMBER:
KH A22-099
RAIL AND POWER UNIT DETAILS

2023-07-20 100% CD



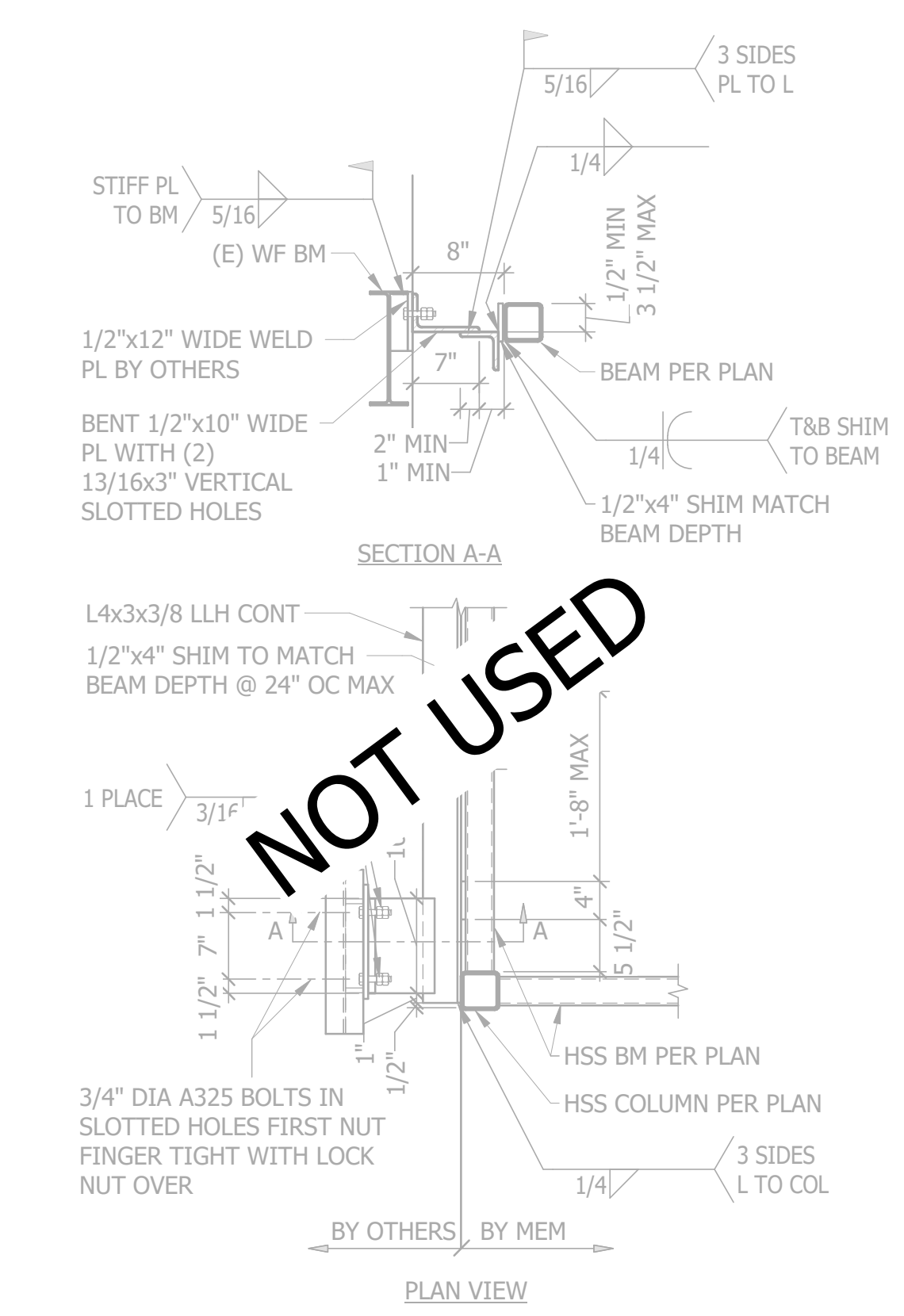
NOTES:
 1. CENTERLINE OF THREADED ROD MAY BE MOVED UP OR DOWN 3/4"

1 HOISTWAY COLUMN SPLICE DETAIL
 SCALE: NTS

2 HOISTWAY CONNECTION TO STRUCTURE DETAIL
 SCALE: NTS

3 PUSH PLATE CONNECTION - PLAN VIEW
 SCALE: NTS

4 PUSH PLATE CONNECTION - SECTION
 SCALE: NTS
 REF-SHEET: S8



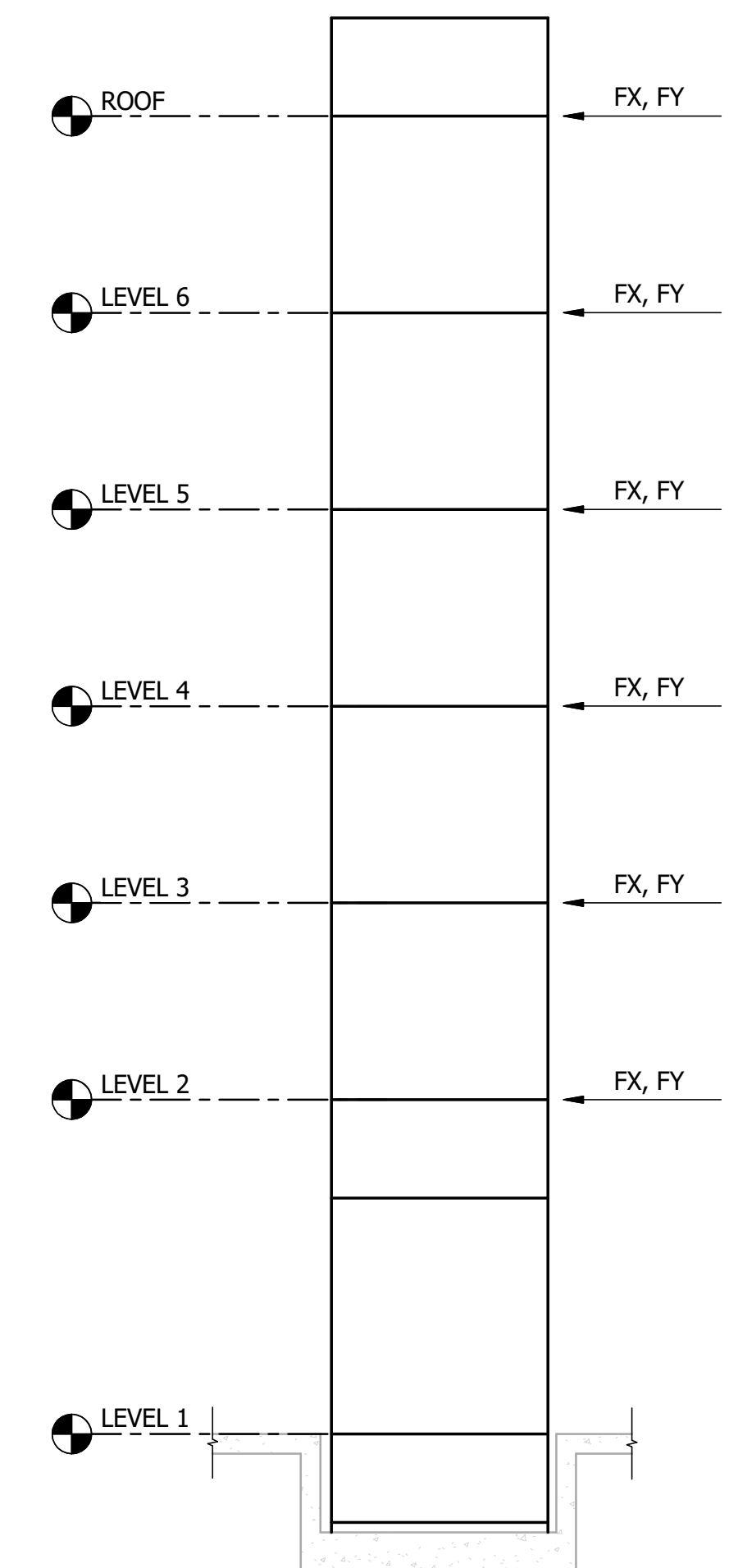
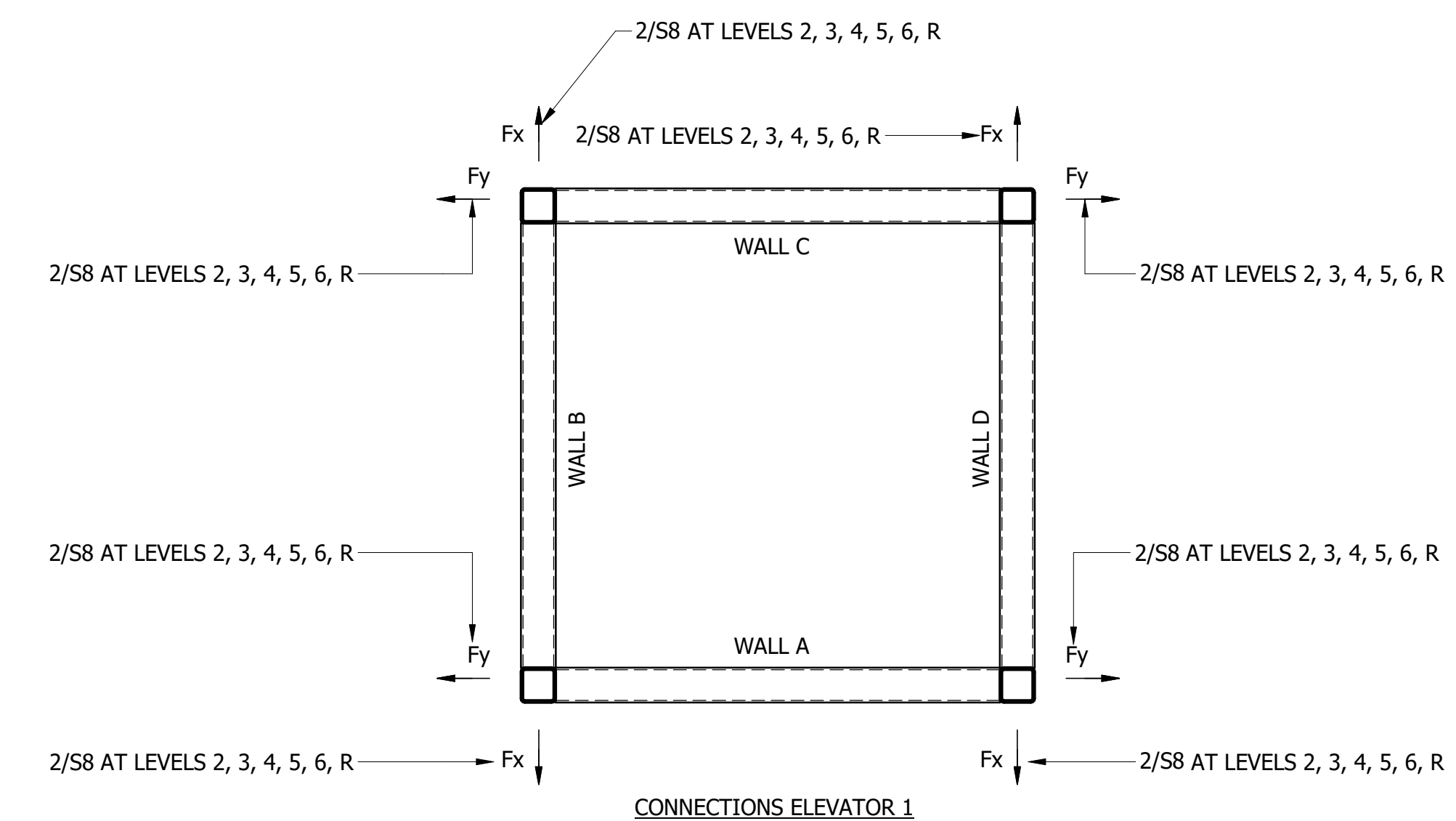
NOT USED

5 HOISTWAY CON TO STL STRUCTURE DETAIL
 SCALE: NTS

6 IN-USE PHASE - REACTIONS TO SUPERSTRUCTURE
 SCALE: NTS

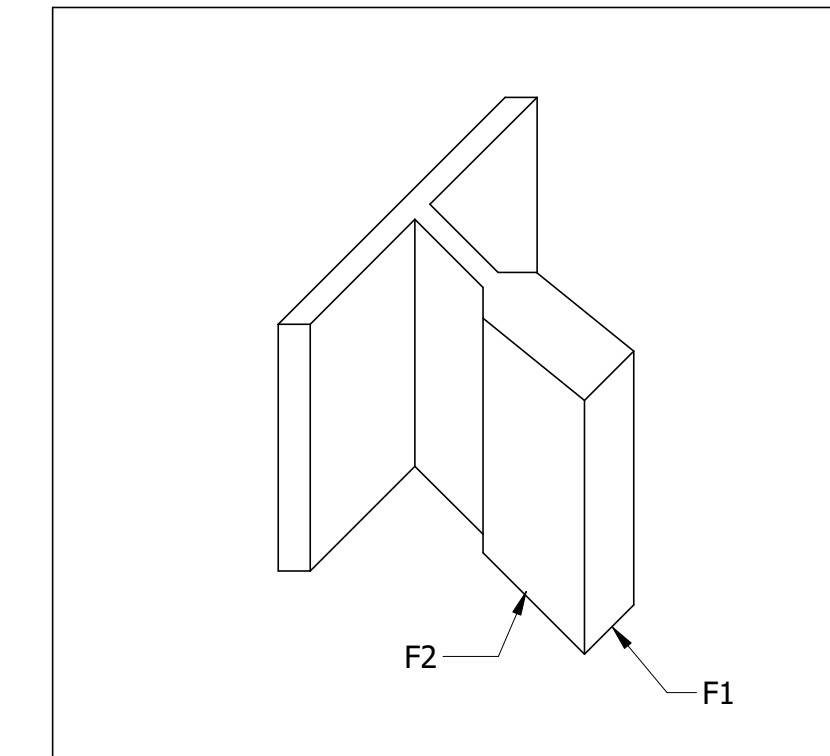
IN USE PHASE		
TABLE 1		
CONN TO BLDG MAX (LRF) FORCES ELEVATOR 1		
CONN LEVEL	FORCE PARALLEL TO ELEVATOR FACE A, Fx	FORCE PERP TO ELEVATOR FACE A, Fy
2, 3	2.36 K / CONN	2.36 K / CONN
4, 5, 6, R	2.96 K / CONN	2.96 K / CONN

NOTES:
 1. THE OVERSTRENGTH FORCES ARE ONLY REQD FOR THE DESIGN OF ANCHORAGE CONNECTIONS TO CONC.
 2. THE FORCES ABOVE OCCUR AT ANY CORNER AS SHOWN BELOW.



THE FOLLOWING REQUIREMENTS ARE TO BE PROVIDED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED:

1. Setting of anchor bolts and sleeves, plumb and level GC MUST utilize the setting template provided by Elevator Contractor. GC must ensure that anchor bolts and sleeves are properly secured to avoid movement during cement pour and are clean of all debris prior to setting of the hoistway.
2. Any concrete coring, if required, of the pit walls for feedline and electrical conduit penetrations. Coring to be performed AFTER hoistway is set in place. All water proofing is by others.
3. Any grouting of the sills or hoistway frames, if required.
4. Machine room slab and foundation as required.
5. All Electrical service to the elevator machine room. All electrical must comply with the current version of the California Electric Code (CEC) and / or the National Electric Code (NEC) as they apply for new elevator installations. GC shall provide the following:
 - a. Electrical service to the machine room and connection to the disconnect must be stubbed out in the proper location within machine room.
 - b. All electrical wiring, including low voltage wiring, within the machine room must be EMT or rigid conduit.
 - c. Electrical service to elevator motor as indicated on the elevator drawings. (See elevator layout drawings).
 - d. 110 V 20 amp dedicated service for elevator car
 - e. 110 V 20 amp dedicated service for the hoistway.
 - f. 110 V 20 amp dedicated service for machine room circuit
 - g. Dedicated telephone line to the machine room terminated at a jack, and live. (Ring down features are not acceptable.) GC is responsible for submitting the telephone number to be programmed into elevator telephone system, and the actual telephone number of the dedicated telephone line for the elevator.
 - h. Smoke detector in machine room with one set of normally closed dry contacts for the elevator.
 - i. Fire signaling device at each landing with one set of normally closed dry contacts (egress floor must be "open" contacts) for the elevator, wired back to the machine room and must be operational.
 - j. Grounding of the hoistway and equipment room structures including grounding and lightning rods.
6. The machine room cannot be used for the storage of ANY items.
7. All trenching from machine room to pit. Trench must be 18" - 24" wide. Trenching is required for ALL remote machine room applications. All trenching must be done prior to the pouring of the machine room slab, piping will be run in trench from machine room location to outside of the pit wall and terminated until elevator is set. If elevator can be set prior to machine room pad being poured, then full run can be completed in trench from hoistway to the machine room.
8. Underground secondary pipe containment (double wall pipe) drainage points to be provided at point convenient to piping system and with services at that drainage point for leak detection devices. (If required.)
9. Leak detection signaling device to be located within 10' of actual detection device. (If required.)
10. All back filling. Back filling must be coordinated with the elevator contractor after all feedlines and conduits have been installed and tested.
11. Access to the hoistway for other trades is not included. Stand-by time shall be considered an additional cost and billed at elevator rates
12. Electrical, plumbing, or mechanical equipment may not be placed or run in the hoistway or machine room unless approved by Elevator Contractor.
13. All inspections and fees for any government mandated factory inspections. Arrangements must be made prior to production commencement.
14. GC shall be responsible for insuring that at time of delivery the site will be ready for setting of the elevator
 - a. All forms are removed from the pit
 - b. Pit dry.
 - c. Anchor bolts are clean, and sleeves clear of debris.
 - d. Crane access available.
15. GC to ensure that pit is kept in a dry condition and structure is protected from inclement weather. Damaged materials and / or extra labor resulting from water shall be an extra cost to the elevator contract.
16. Execution of crane company's waiver of liability forms.
17. GC shall be responsible for any damage resulting from driving crane onto site, being set onto the site and during the placement of the elevator hoistway. This includes, but not limited to damage to: Trees, any concrete, curbs, driveways, walkways, lawns, asphalt, gates, fences, and underground utilities.
18. GC is responsible for appropriate site access for crane set and equipment delivery. A minimum 70-foot working radius is required for the crane. This includes but is not limited to:
 - a. Traffic control
 - b. Special provisions related to power lines, trees, occupied buildings, FAA permits, etc.
 - c. Any and all fencing removal and replacement for crane and truck access.
 - d. All removal must be done prior to arrival of crane on site.
 - e. Any and all vegetation removal or trimming for crane and truck access to elevator final destination.
 - f. Protection to all concrete, asphalt, curbs, walkways, building and underground structures, landscaping affected by crane and truck access and set.
19. Unless otherwise noted: Crane set of elevators is based elevator set taking place mid-week mornings between 7:00 AM and 11:00 AM with 70-ton crane.
20. Structural attachment of hoistway to existing structure. (If required)
21. Removal of any obstructions necessary to install the equipment.
22. Site gurney compliance via stairs or other means, if required.
23. Installation of any building expansion joints, if required.
24. For holed elevators only, the cost for drilling the wellhole is based upon four (4) hours of drilling, utilizing a standard truck mounted drilling rig and drilling through normal soil conditions. GC is responsible to provide free, unobstructed access to the site for our truck mounted drill rig. Free access means adequate and unrestricted access to the pit as required for the move-in of equipment for the purpose of drilling the cylinder well. Should driller encounter any obstruction, including but not limited to rock, boulder, water, quicksand or any other unusual soil condition or should driller be required to utilize any special tools, an additional cost will be added to the Contract. Any costs beyond drillers standard drilling shall be considered as a result of conditions beyond the reasonable control of Elevator Contractor. & Those additional costs will be charged back to the GC. All drilling spoils are to be removed by others.
25. Cab flooring and appropriate sub-flooring.
26. Vent in machine room. Machine room temperature shall not be lower than 40 degrees Fahrenheit or exceed 104 degrees Fahrenheit or exceed manufacturer's recommendations.
27. Venting of hoistway (only applicable for elevators with more than two stops).
28. Sprinklers, or heat sensors in the machine room and / or hoistway (if required). If sprinklers are provided, the shunt trip devices must also be provided.
29. Flashing between structures at locations including, but not limited to, the: pit, slab, modular equipment room roof and hoistway. These locations must be detailed and provided for water tightness.
30. "ABC" type fire extinguisher in machine room.
31. Exterior finish of the hoistway and machine room.
32. Exterior and interior painting or finishing.
33. Parapets, downspouts, scuppers, embellishments as well as any other modifications beyond details shown on manufacture's shop drawings.
34. Finished roofing.
35. On duplex or group of elevators, exterior sheathing between elevator hoistways by others.
36. Verification of correctness of placement of elevator pit is by others. Elevator company is to install elevator in pit provided by others.
37. Elevator travel. Verification of elevator travel between floors for reliance by elevator manufacturer in writing. Elevator travel for manufacturing purposes shall be depicted in MEM shop drawings.
38. Submittal review of other trades by MEM or SEOR shall be at an extra charge.
39. Protection of all landings of hoistway.



MAXIMUM SEISMIC REACTION		
ELEVATOR CAPACITY	4,000 LBS. MAX	
	NORMAL	SEISMIC
F1	SEE PD-1	
F2	SEE PD-1	
BASED UPON 15# RAILS		
ALL FORCES SHOWN DOUBLED FOR IMPACT		
MAX RAIL BRACKET SPACING 9'-4"		

MAX FORCES ON PIT FLOOR	
LOCATION	FORCES IN LBS
AT JACK (BOTH)	13,740
AT EA. BUFFER	14,740

BUFFERS ARE LOCATED APPROX. 12" FROM CL OF JACK UNIT IN A LINE PARALLEL TO WIDTH OF HATCH



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 Axiom Project Number: **A22-099**
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PROJECT: **2583 WEST BLVD**
 MODULAR ELEVATOR

OWNER / CLIENT: **TL SHIELD**

PROFESSIONAL SEAL

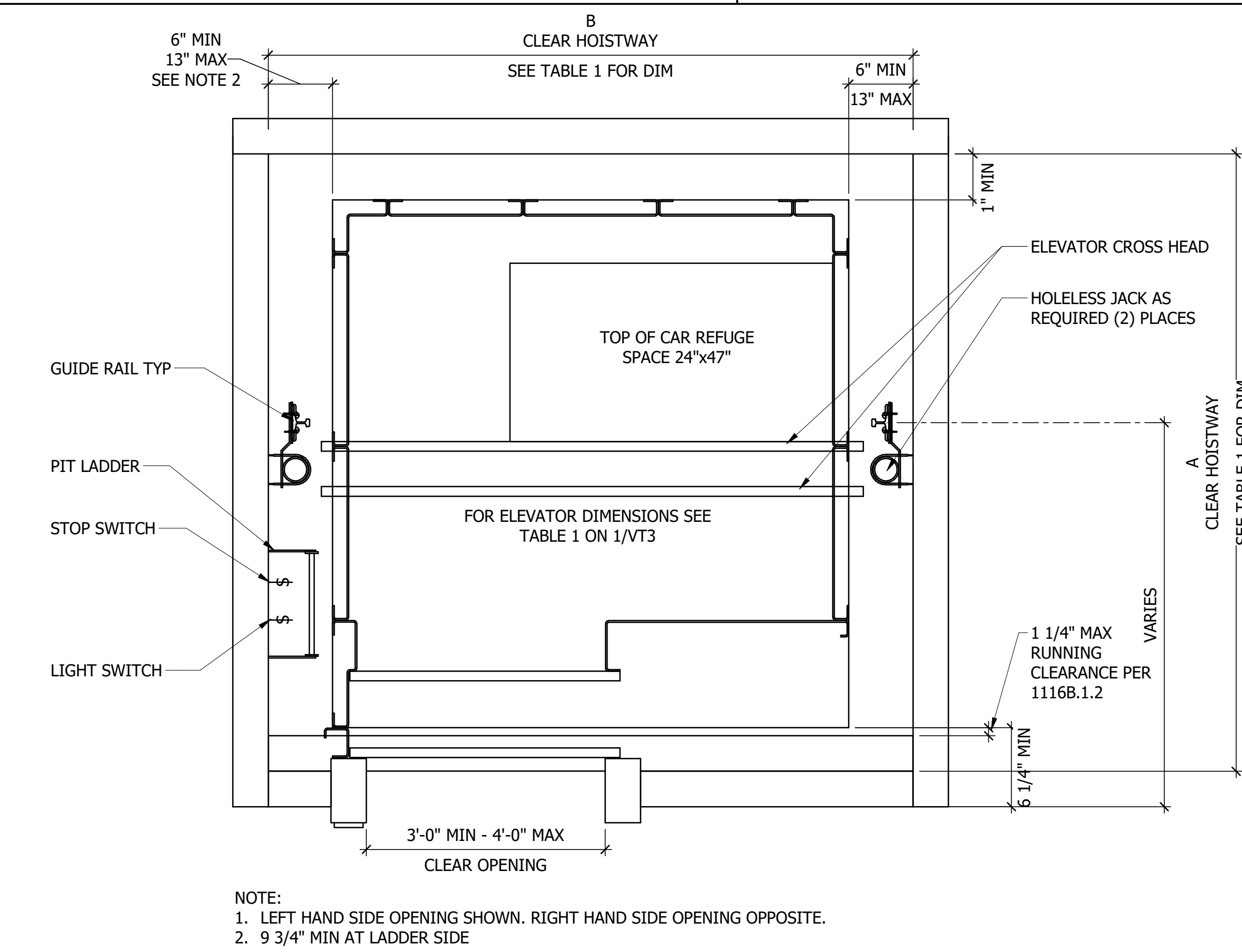


REVISION:	DATE:
	07/20/2023
DRAWN BY:	CHECKED BY:
AFV	JB
DESIGNED BY:	JOB NUMBER:
KH	A22-099

ELEVATOR DATA

VT1

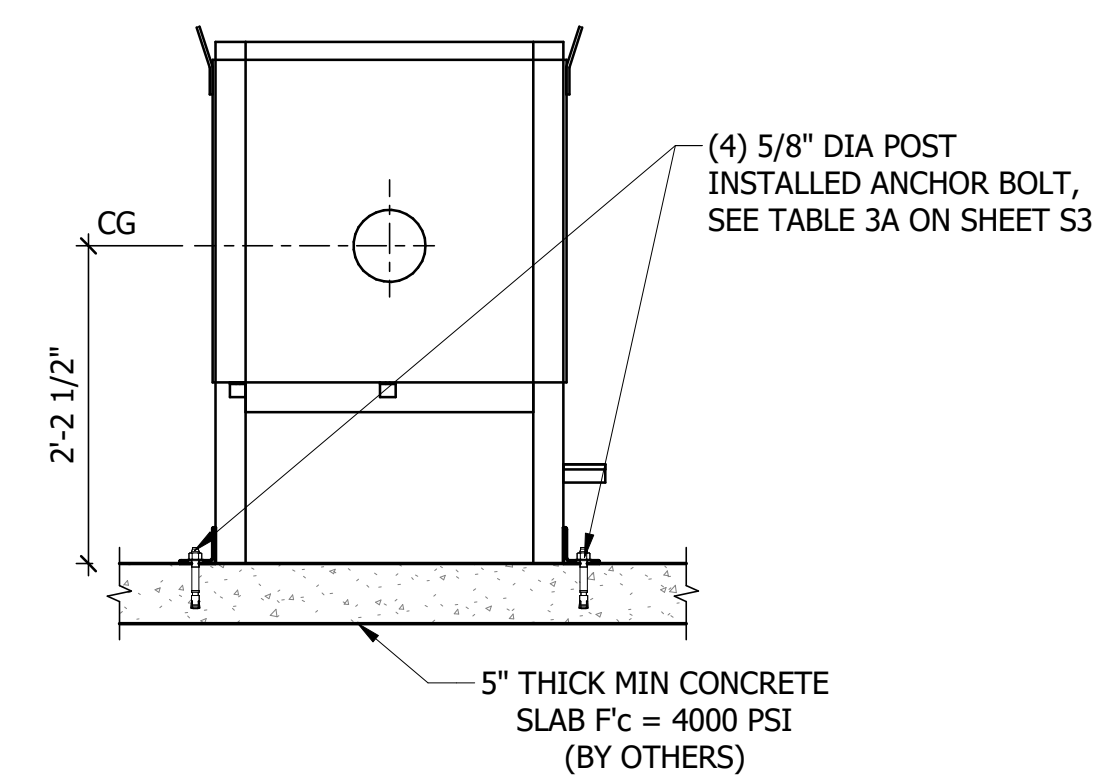
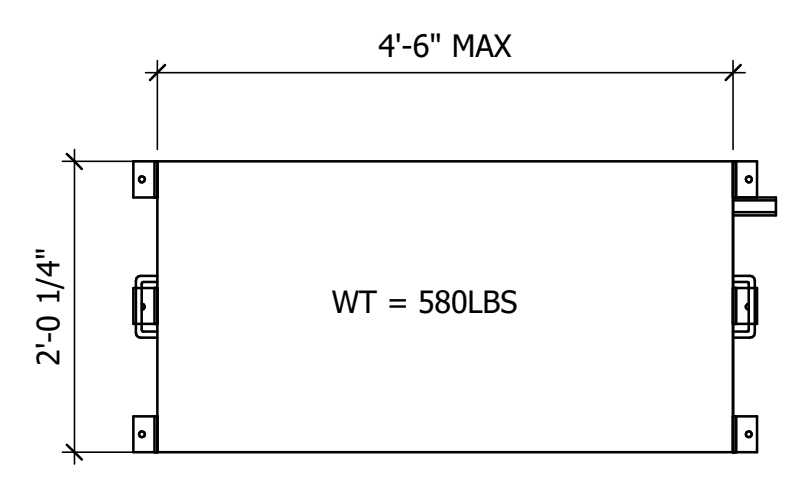
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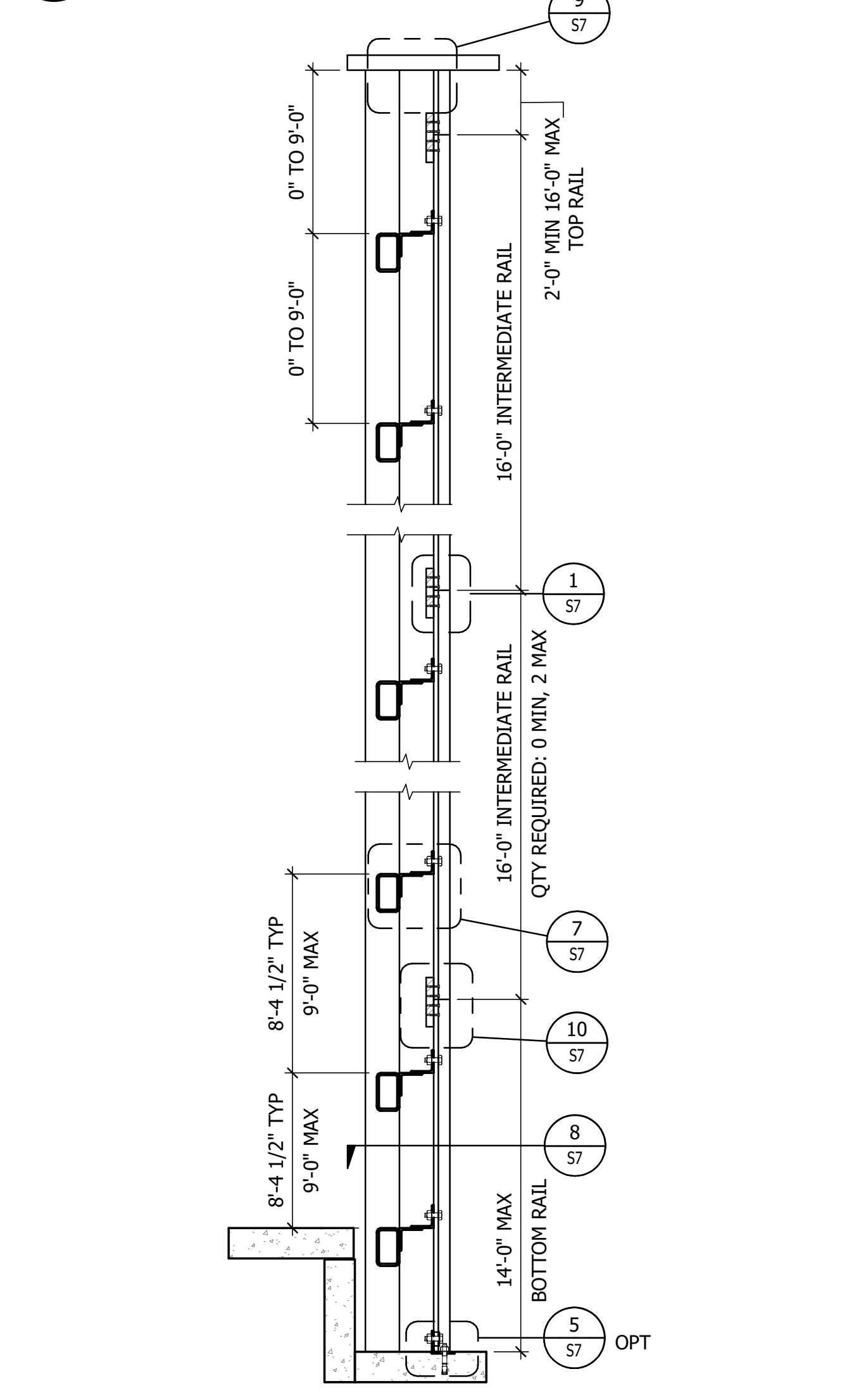
1 PLAN VIEW
SCALE: NTS

TABLE 1 - HOISTWAY SELECTOR

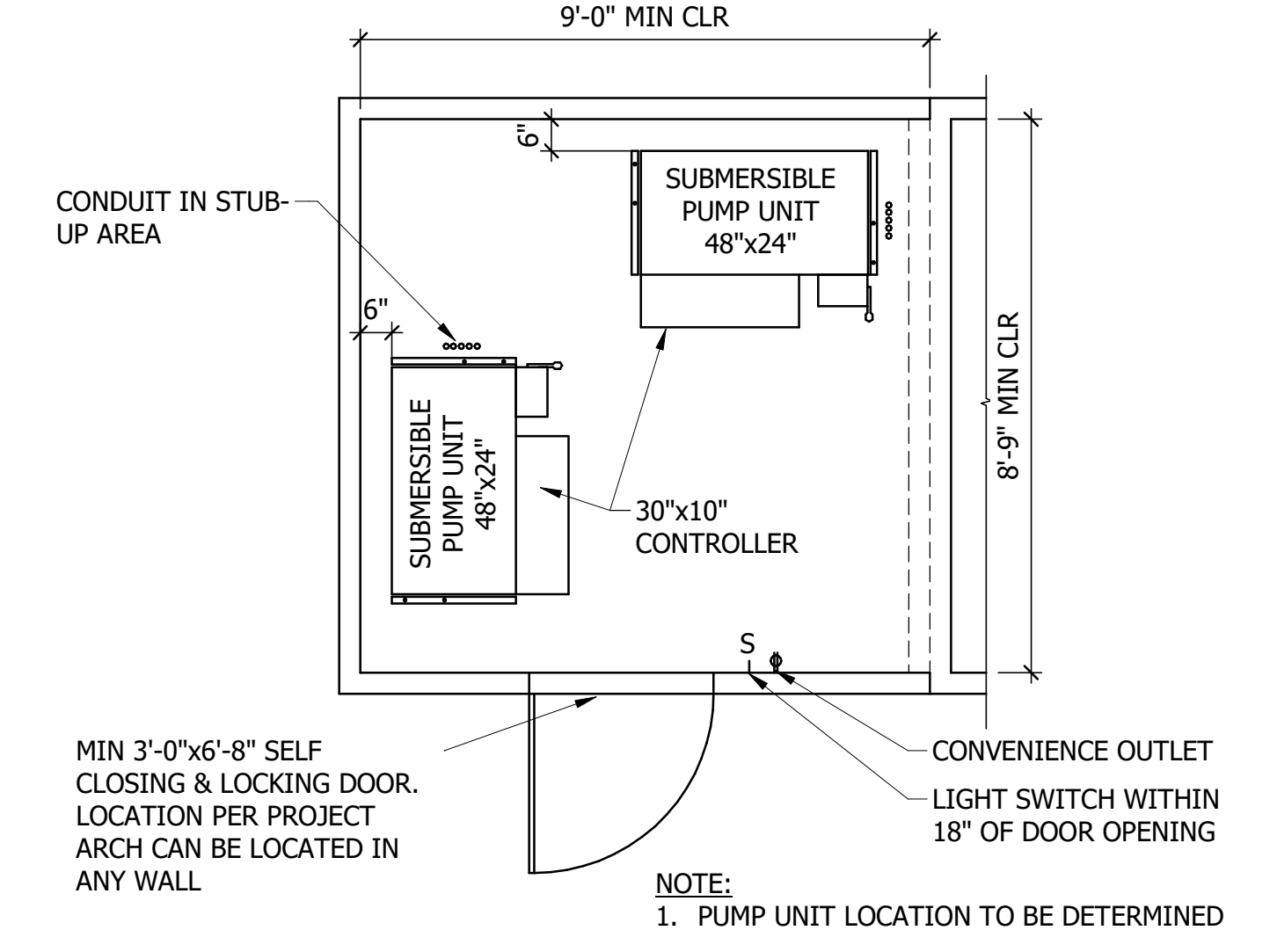
SELECT	MODEL	HOISTWAY	A	B
<input type="checkbox"/>	2000 R	HW-1	6' - 9 1/4"	7' - 5 7/8"
<input type="checkbox"/>	2500	HW-1	6' - 9 1/4"	7' - 5 7/8"
<input type="checkbox"/>	2500 R	HW-2	6' - 9 1/4"	8' - 5 7/8"
<input type="checkbox"/>	3000	HW-2	6' - 9 1/4"	8' - 5 7/8"
<input type="checkbox"/>	3000 GR	HW-3	6' - 9 1/4"	9' - 1 1/8"
<input type="checkbox"/>	3500	HW-2	6' - 9 1/4"	8' - 5 7/8"
<input type="checkbox"/>	3500 G	HW-2	6' - 9 1/4"	9' - 1 1/8"
<input type="checkbox"/>	4000	HW-3	6' - 9 1/4"	9' - 1 1/8"
<input type="checkbox"/>	4000 MAX	CUSTOM SIZE TO SUIT		



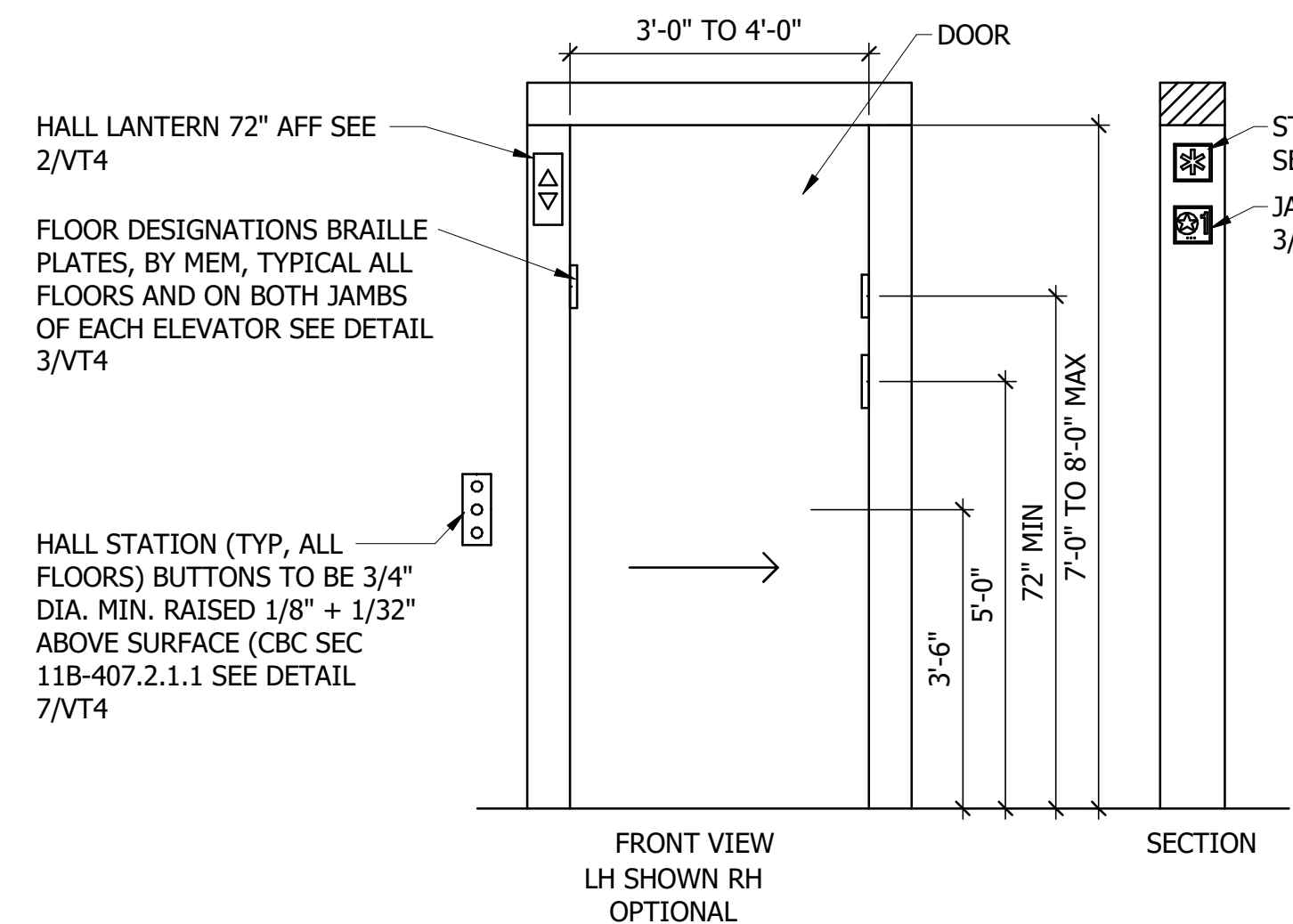
2 TANK UNIT CONNECTION
SCALE: 3/4" = 1'-0"



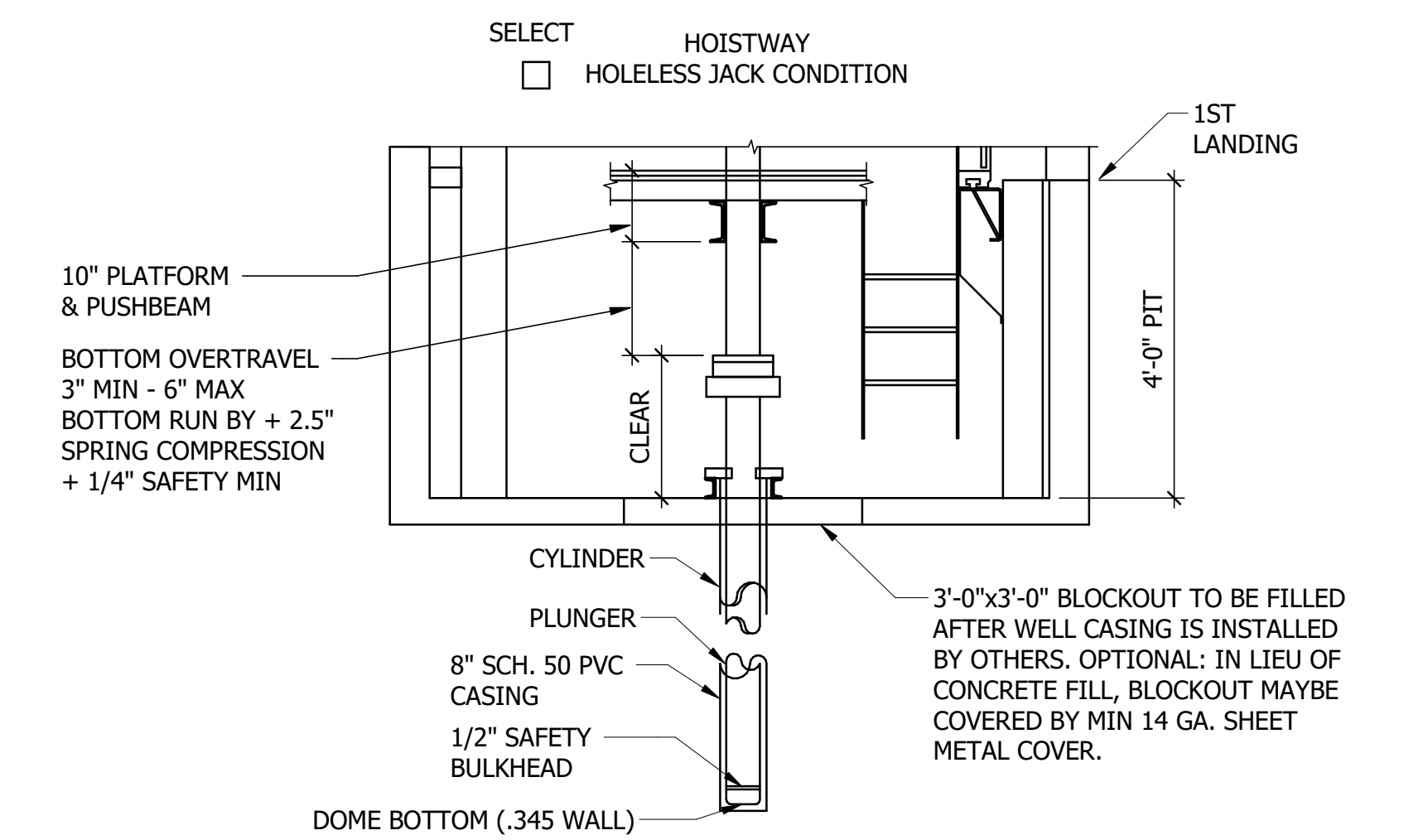
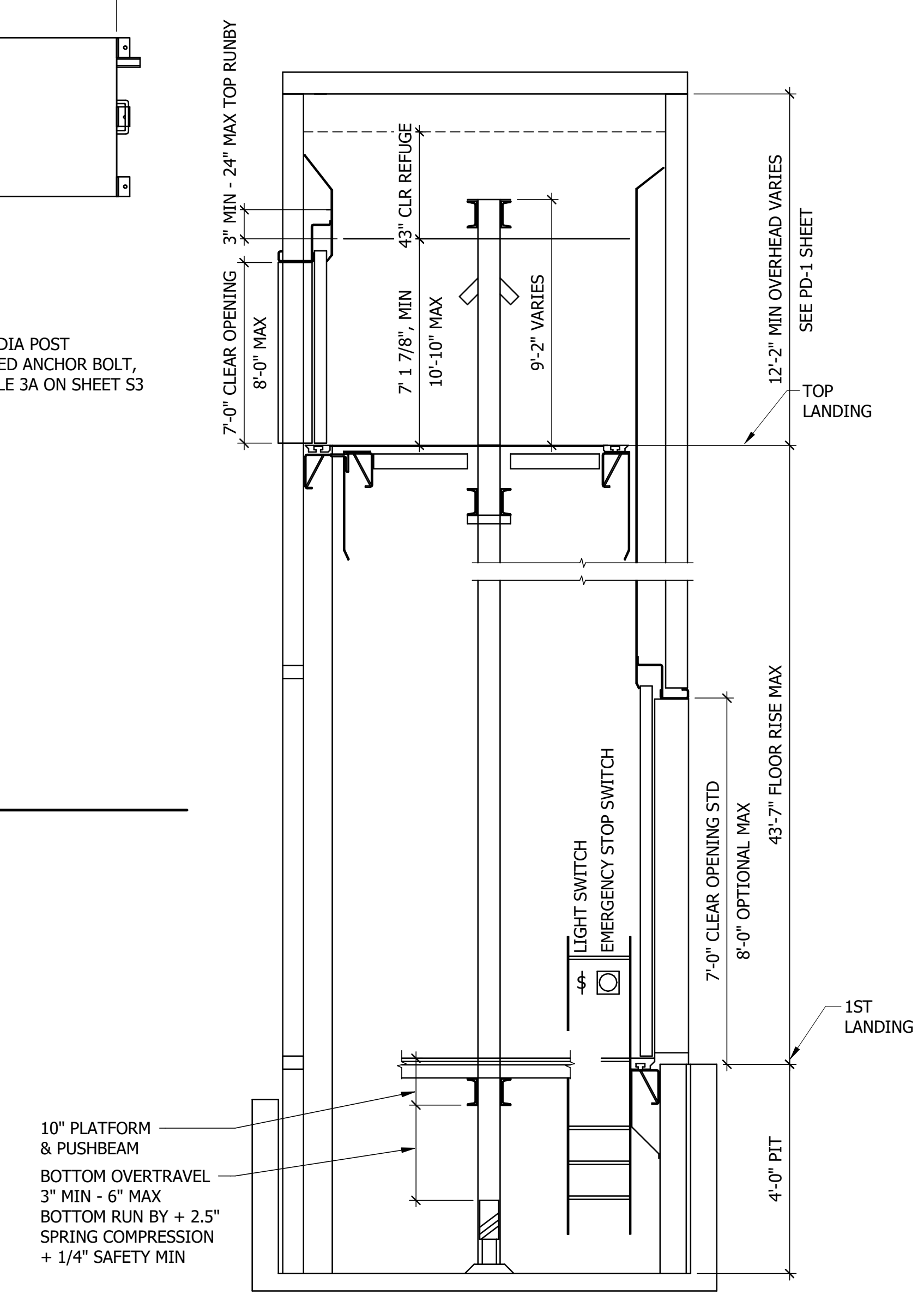
4 RAIL - BARCKET LAYOUT
SCALE: NTS



3 EQUIPMENT ROOM PLAN
SCALE: NTS



5 HOISTWAY ENTRANCE
SCALE: NTS



6 HOISTWAY SECTION
SCALE: NTS

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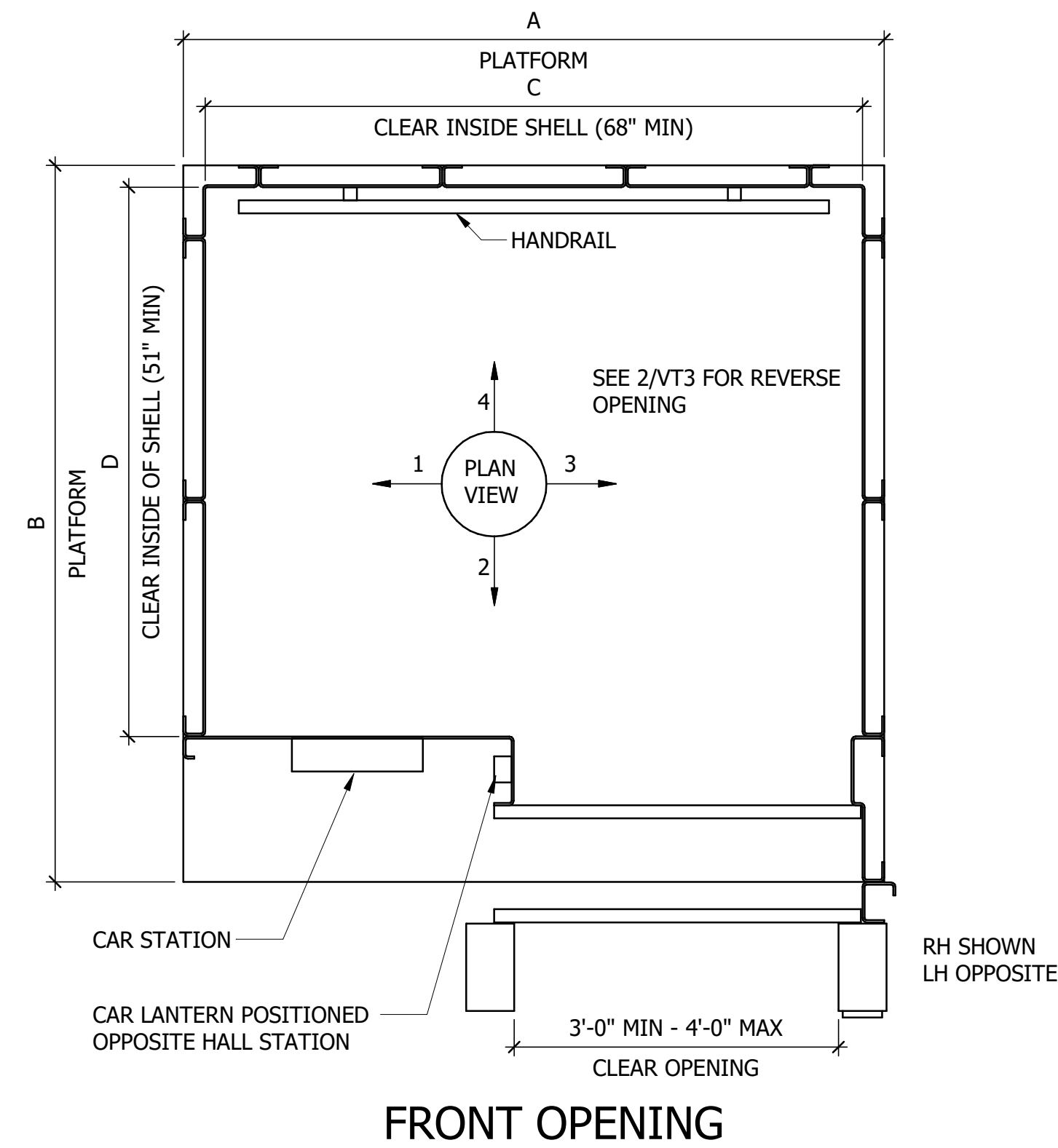
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ELEVATOR LAYOUT

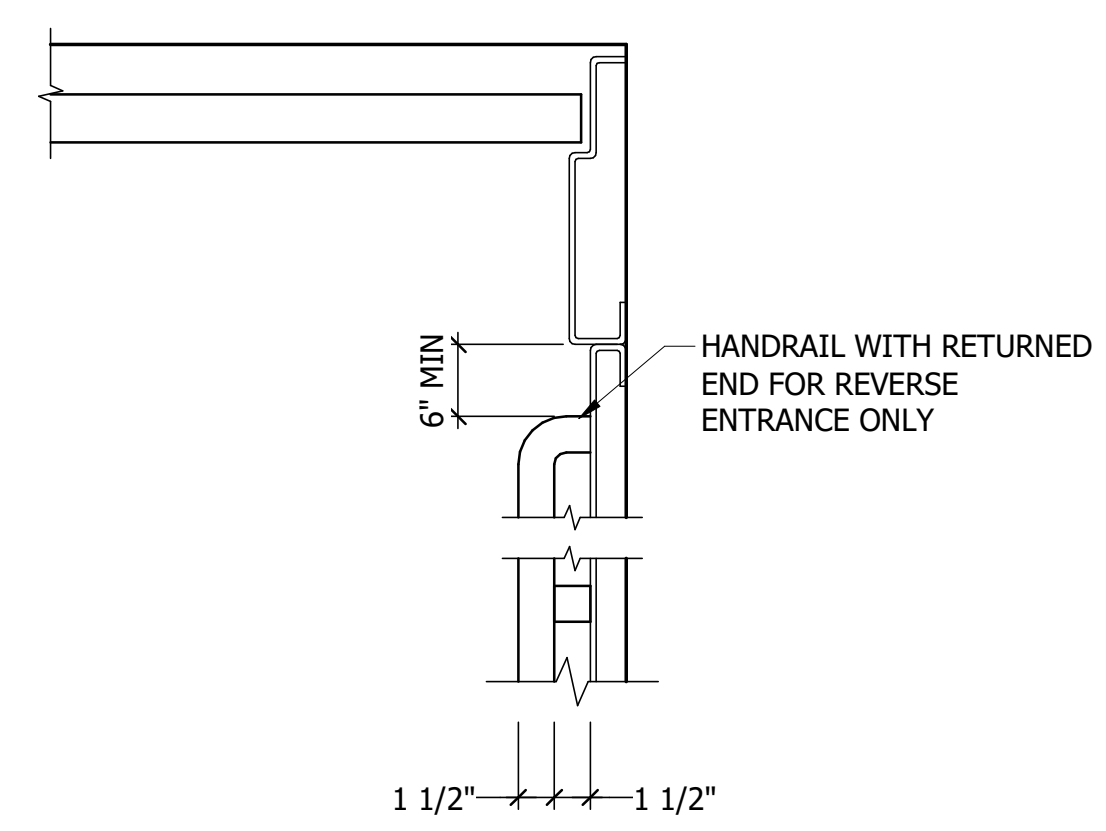
VT2A

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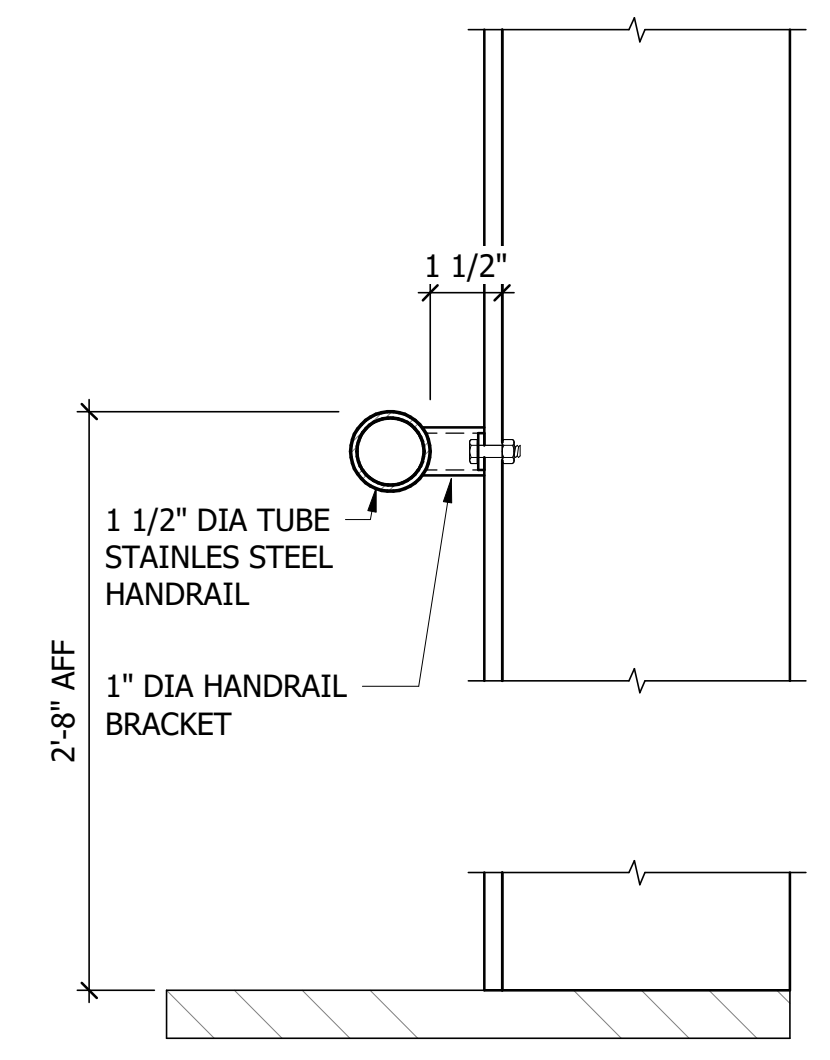
TABLE 2 - ELEVATOR DIMENSIONS										
SELECT	HW SIZE	MODEL	PLATFORM		INSIDE CLEAR MIN			MAX AREA	SINGLE SPEED SIDE SLIDE OPEN AS PER CBC 3002.4 11B-407.3 MIN DIM	
			A	B	C	D	E			
<input type="checkbox"/>	HW-1	2000 R	5' - 10 1/2"	5' - 9"	5' - 8"	4' - 4 1/2"	4' - 7 3/4"	24.9 SQ FT	36"	
<input type="checkbox"/>	HW-1	2500	5' - 10 1/2"	5' - 8 3/4"	5' - 8"	4' - 10 1/4"	5' - 2 3/4"	28.2 SQ FT	36"	
<input type="checkbox"/>	HW-2	2500 R	6' - 10 1/2"	5' - 9"	6' - 8"	4' - 4 1/2"	4' - 7 3/4"	29.3 SQ FT	42"	
<input type="checkbox"/>	HW-2	3000	6' - 10 1/2"	5' - 7 3/4"	6' - 8"	4' - 10 1/4"	5' - 2 3/4"	33.2 SQ FT	42"	
<input type="checkbox"/>	HW-3	3000 GR	7' - 5 1/2"	5' - 9"	7' - 3"	4' - 4 1/2"	4' - 7 3/4"	31.9 SQ FT	42"	
<input type="checkbox"/>	HW-2	3500 G	6' - 10 1/2"	6' - 0 1/2"	6' - 8"	5' - 3"	5' - 7 1/2"	35.0 SQ FT	42"	
<input type="checkbox"/>	HW-3	3500 G	7' - 5 1/2"	6' - 0 1/2"	7' - 3"	5' - 3"	5' - 7 1/2"	38.1 SQ FT	42"	
<input type="checkbox"/>	HW-3	4000 G	7' - 9 1/2"	6' - 0 1/2"	7' - 6"	5' - 3"	5' - 7 1/2"	44.3 SQ FT	42"	
<input type="checkbox"/>	HW-3	4000 MAX	CUSTOM SIZE TO SUIT					44.3 SQ FT		



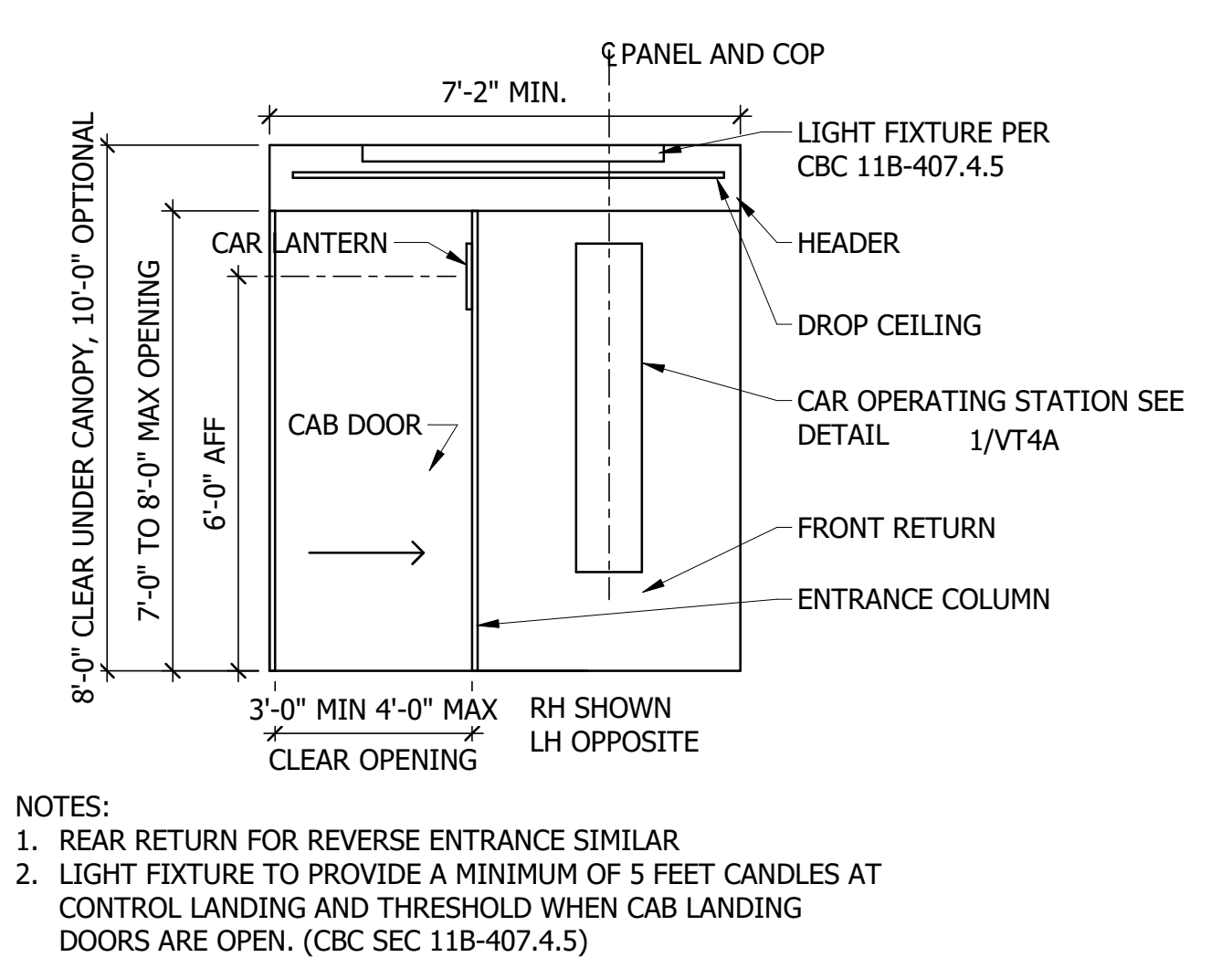
1 T-BAR CEILING FRAME FOR ELEVATOR CAR
SCALE: NTS



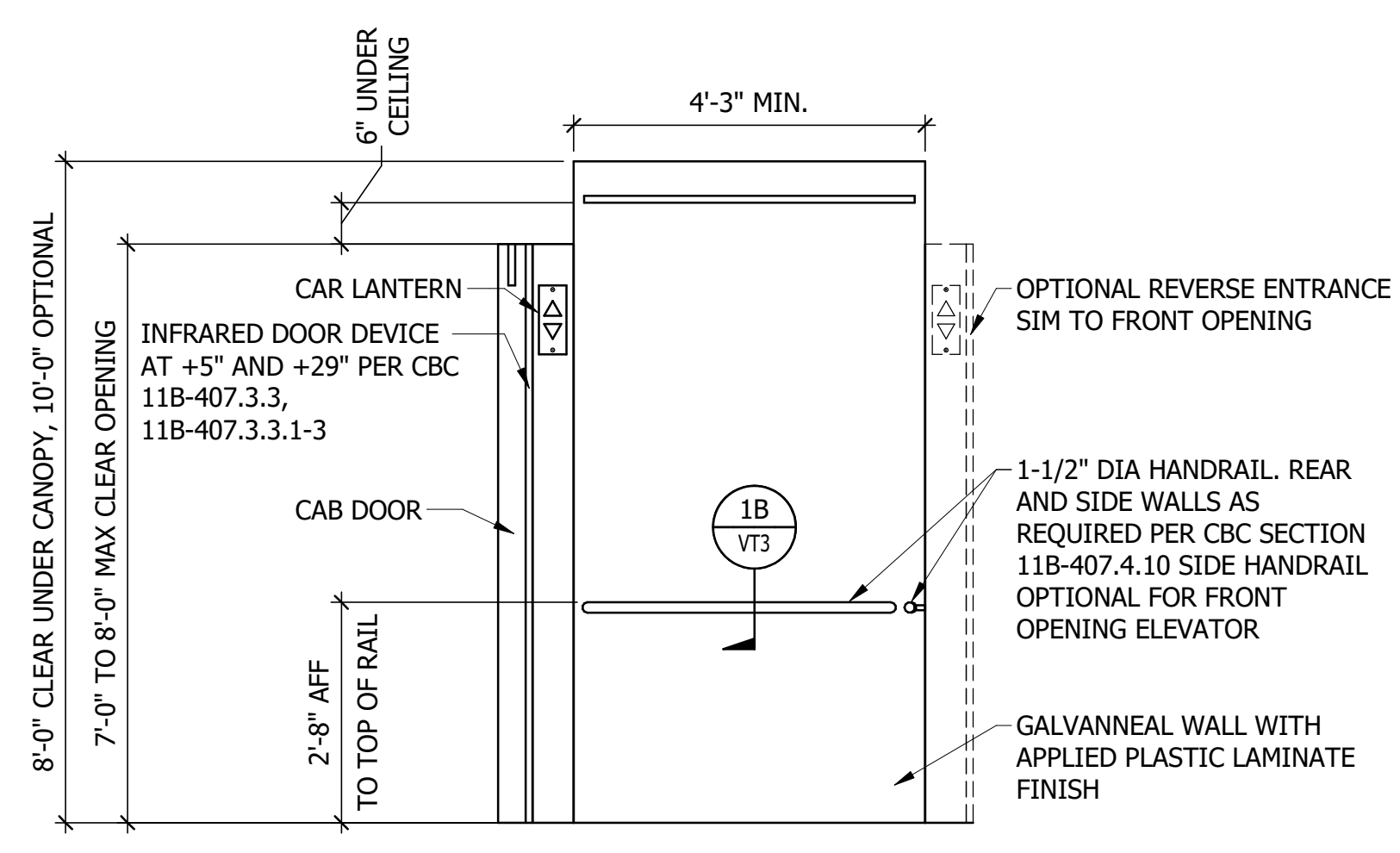
1A PLAN - HANDRAIL AT RETURNED END
SCALE: NTS



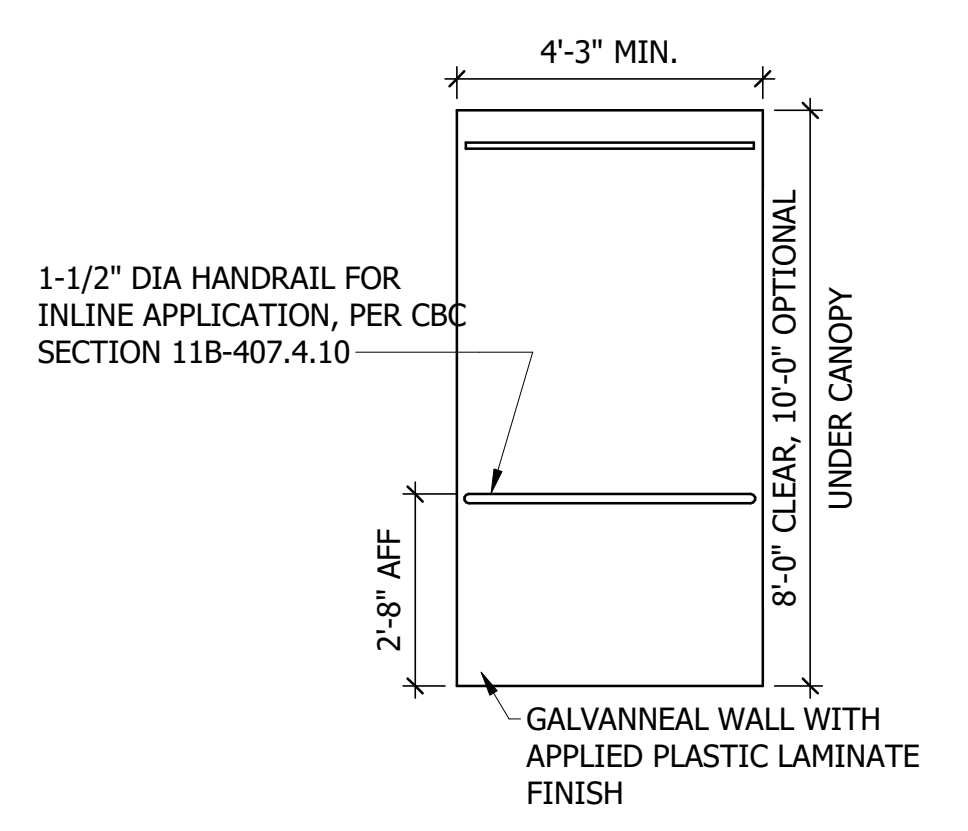
1B SECTION THRU HANDRAIL
SCALE: NTS
REF SHEET: VT3



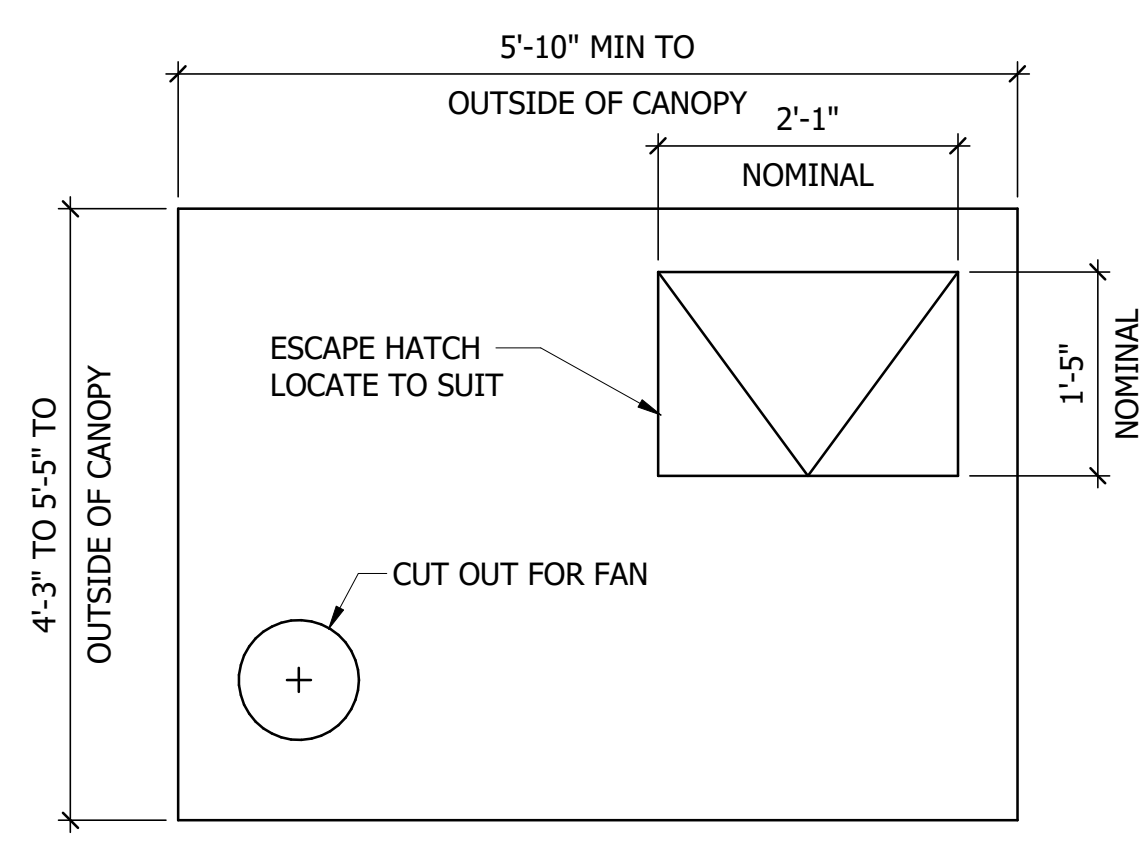
2 FRONT RETURN WALL
SCALE: NTS



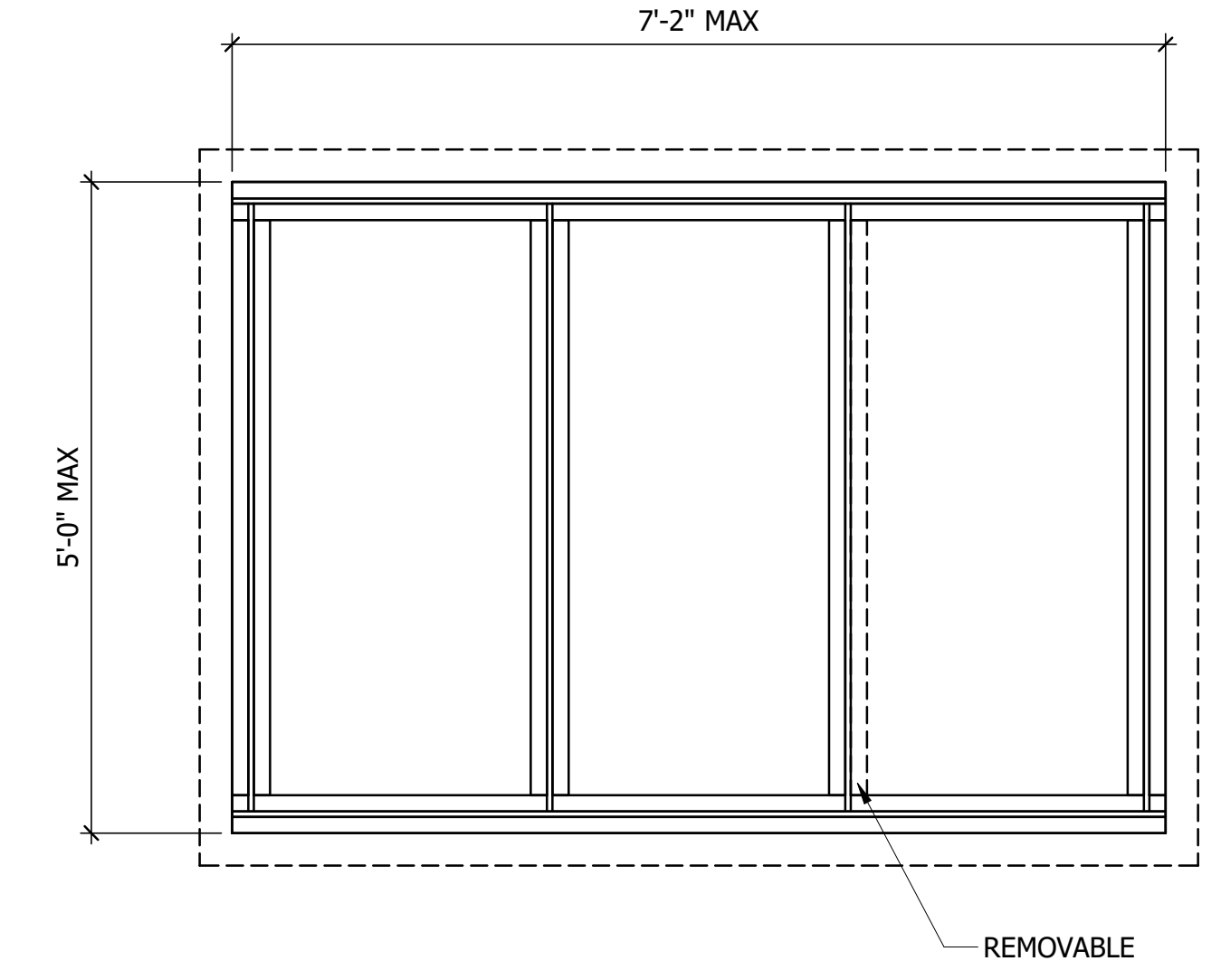
3 SIDE WALL
SCALE: NTS



4 REAR WALL
SCALE: NTS



5 ELEVATOR CANOPY
SCALE: NTS



6 T-BAR CEILING FRAME FOR ELEVATOR CAR
SCALE: NTS

- MANUFACTURING NOTES:**
1. STRIKE JAM AND HEADER: STAINLESS STEEL
 2. CAR DOORS: 16GA GALVANNEAL, PRIMED FINISH OR STAINLESS STEEL
 3. ENTRANCE COLUMN: 16 GA STAINLESS STEEL
 4. SIDE AND REAR WALL PANELS: 16 GA GALVANNEAL WITH AN APPLIED PLASTIC LAMINATE ON THE INTERIOR OR 16 GA STAINLESS STEEL
 5. CANOPY: 12 GA GALVANNEAL, REFLECTIVE WHITE FINISH ONLY REQUIRED ON THE INSIDE OF CAB, NO PRIME ON THE OUTSIDE
 6. CEILING: T-BAR WITH CEILING PANELS
 7. HANDRAIL: 1 1/2" ROUND HANDRAIL
 8. CAR SILL: ALUMINUM WITH A NATURAL FINISH
 9. VENTILATION: FAN AND VENT SLOTS IN THE BASE OF THE CAB
 10. CAR DOORS ARE PRE DRILLED FOR DOOR EQUIPMENT
 11. LIGHTING: FLOURESCENT STRIP LIGHTS
 12. ALL MATERIAL FOR CAR ENCLOSURES SHALL MEET THE REQUIREMENTS OF ASME A17.1, SECTION 204.2

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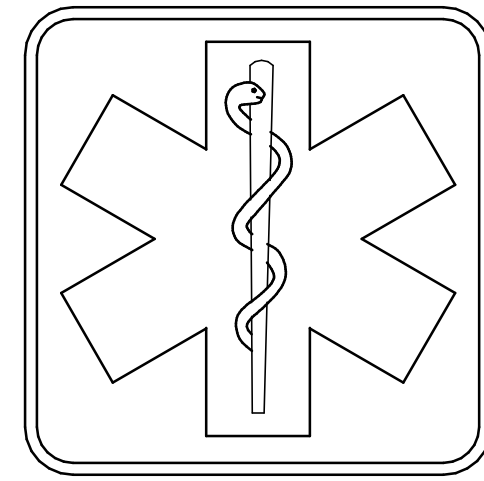
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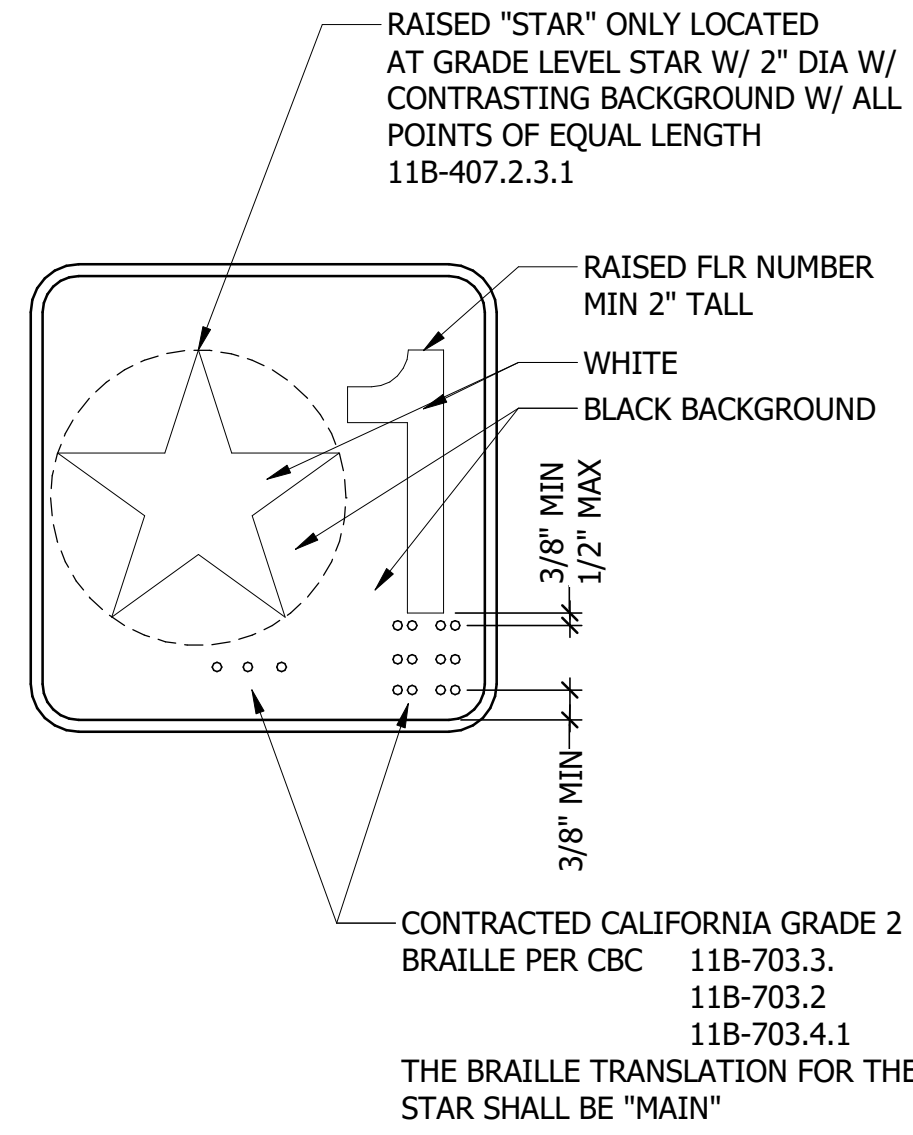
ELEVATOR CAB

VT3

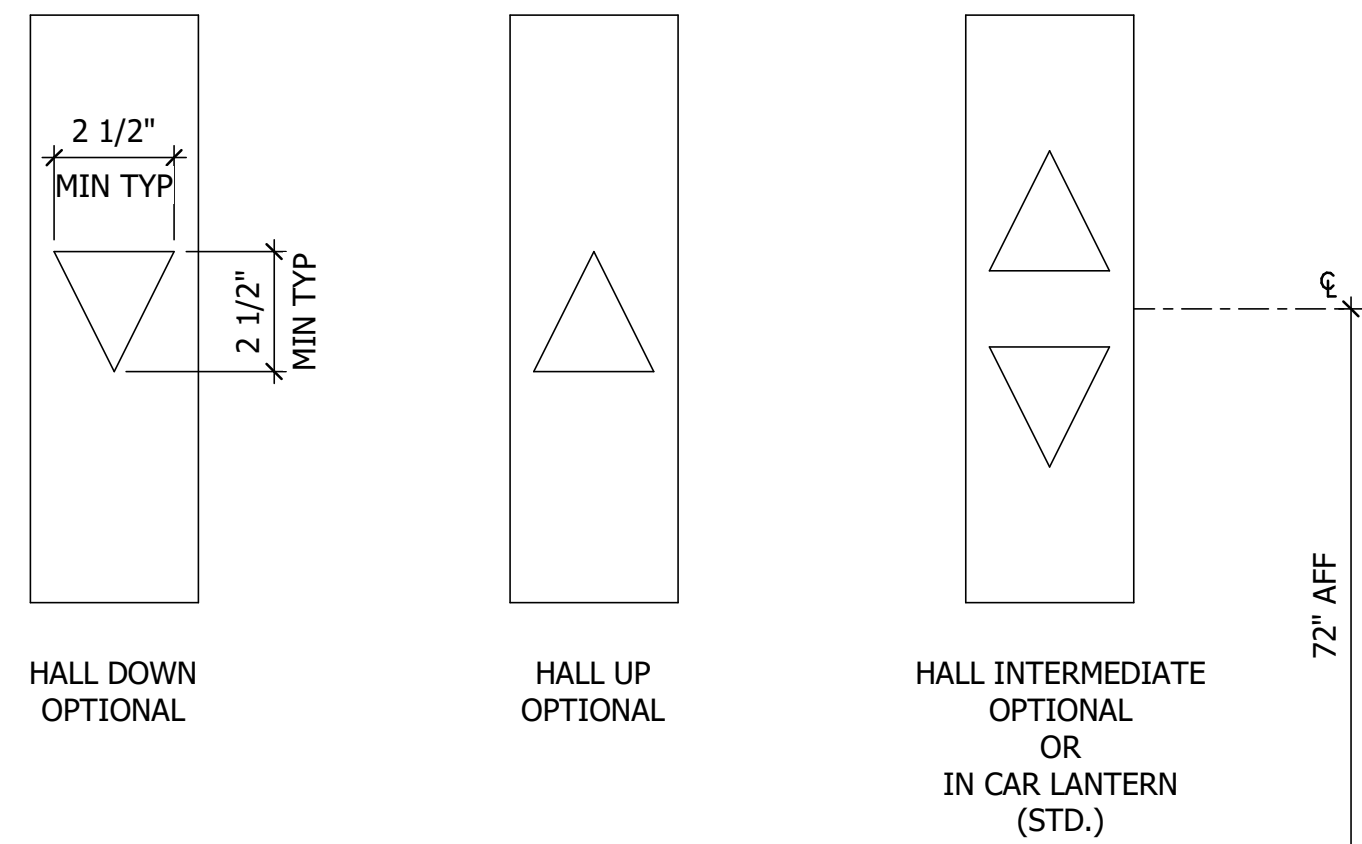
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INTERNATIONAL STAR OF LIFE

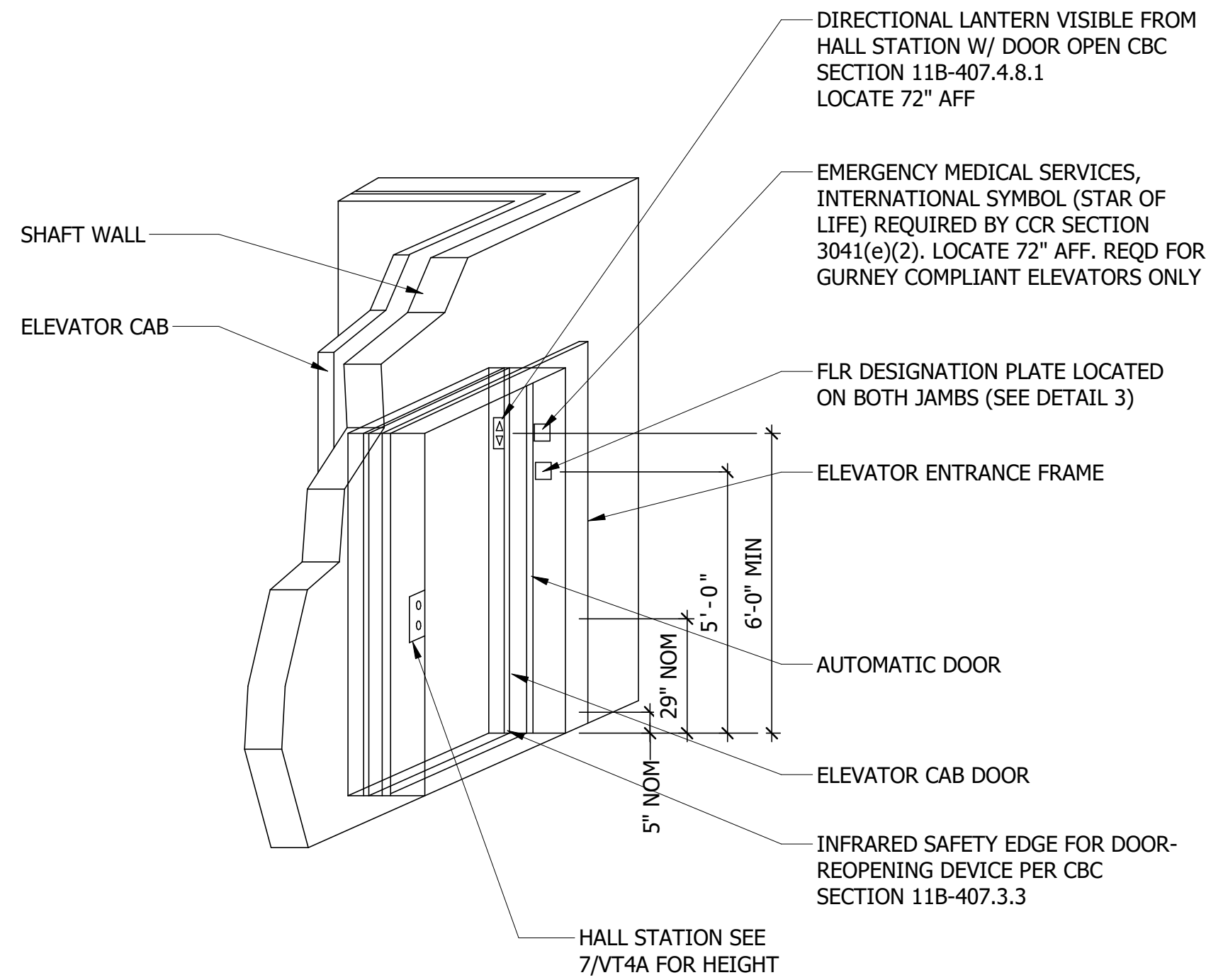


3 JAMB TAGS
SCALE: NTS



- NOTES:
- DIRECTIONAL IN CAR LANTERN LOCATED IN OR ON THE DOOR JAMB VISIBLE FROM HALL STATION W/ DOOR OPEN. 2 1/2" MIN IN THE SMALLEST DIRECTION W/ AUDIBLE SIGNAL PER CBC 1B-407.2.2.1-3.
 - EITHER HALL LANTERNS OR CAR LANTERN SHALL BE PROVIDED.

2 LANTERNS
SCALE: NTS



1 ACCESS COMPLIANCE
SCALE: NTS

PLAN LOCATOR

PASSENGER ELEVATOR REQUIREMENTS
Chapter 11B, 2019 California Building Code

VT3	<p>GENERAL - 11B-407.1</p> <ul style="list-style-type: none"> ELEVATORS SHALL BE PASSENGER ELEVATOR AS CLASSIFIED AS ASME A17.1. AND SHALL COMPLY WITH 11B-407 AND WITH ASME A17.1. ELEVATOR OPERATION SHALL BE AUTOMATIC. WHEN THE ONLY FREIGHT ELEVATORS, THEY SHALL COMPLY WITH 11B-407 AND ASME A17.1. 	1/VT4A	<p>DESIGNATIONS AND INDICATORS OF CAR CONTROLS - SHALL COMPLY WITH 11B-407.4.7.</p> <ul style="list-style-type: none"> BUTTONS - CAR CONTROLS BUTTONS SHALL COMPLY WITH 11B-407.4.7.1. TYPE - CONTROL BUTTONS SHALL BE IDENTIFIED BY RAISED CHARACTERS OR SYMBOLS ON A BLACK BACKGROUND, COMPLYING WITH 11B-703.2 AND BRAILLE COMPLYING WITH 11B-407.4.7.1.3. LOCATION - RAISED CHARACTERS OR SYMBOLS AND BRAILLE DESIGNATIONS APPLY. SYMBOLS - THE CONTROL BUTTON FOR THE EMERGENCY STOP, ALARM, DOOR OPEN, DOOR CLOSE, MAIN ENTRY FLOOR, AND PHONE, SHALL BE IDENTIFIED WITH RAISED SYMBOLS AND BRAILLE AS SHOWN IN TABLE 11B-407.4.7.1.3. VISIBLE INDICATORS - BUTTONS WITH FLOOR DESIGNATIONS SHALL BE PROVIDED WITH VISIBLE INDICATORS TO SHOW THAT CALL HAS BEEN REGISTERED. THE VISIBLE INDICATION SHALL EXTINGUISH WHEN THE CAR ARRIVES AT THE DESIGNATED FLOOR. BUTTON SPACING - A MINIMUM CLEAR SPACE OF 3/8 INCH OR OTHER SUITABLE MEANS OF SEPARATION SHALL BE PROVIDED BETWEEN ROWS OF CONTROL BUTTONS. KEYPADS - KEYPADS SHALL BE IDENTIFIED BY CHARACTERS COMPLYING WITH 11B-703.5 AND SHALL BE CENTERED ON THE CORRESPONDING KEYPAD BUTTON. THE NUMBER FIVE KEY SHALL HAVE A SINGLE RAISED DOT. THE DOT SHALL BE 0.118 INCH TO 0.120 INCH BASE DIAMETER AND IN OTHER ASPECTS COMPLY WITH TABLE 11B-703.3.1.
2/VT-4A	<p>ELEVATOR LANDING REQUIREMENTS - 11B-407.2</p> <ul style="list-style-type: none"> CALL CONTROLS - WHERE ELEVATOR CALL BUTTONS OR KEYPADS ARE PROVIDED, THEY SHALL COMPLY WITH 11C.407.2.1 AND 11B-309.4. HEIGHT - CALL BUTTONS OR KEYPADS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 11B-308, MEASURED TO THE CENTERLINE OF THE HIGHEST OPERABLE PART. SIZE AND SHAPE - CALL BUTTONS SHALL HAVE SQUARE SHOULDERS, BE 3/4 INCH MINIMUM IN THE SMALLEST DIMENSION AND SHALL BE RAISED 1/8 INCH PLUS OR MINUS 1/32 INCH ABOVE SURROUNDING SURFACE. THE BUTTONS SHALL BE ACTIVATED BY MECHANICAL MOTION THAT IS DETECTABLE. CLEAR FLOOR OR GROUND SPACE - A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 11B-305 SHALL BE PROVIDED AT CALL CONTROLS. LOCATION - THE CALL BUTTON THAT DESIGNATES THE UP DIRECTION SHALL BE LOCATED ABOVE THE CALL BUTTON THAT DESIGNATES THE DOWN DIRECTION. SIGNALS - CALL BUTTONS SHALL HAVE VISIBLE SIGNALS THAT WILL ACTIVATE WHEN EACH CALL IS REGISTERED AND WILL EXTINGUISH WHEN EACH CALL IS ANSWERED. CALL BUTTONS SHALL BE INTERNALLY ILLUMINATED WITH A WHITE LIGHT OVER THE ENTIRE SURFACE OF THE BUTTON. 	2/VT4	<p>CAR POSITION INDICATORS - AUDIBLE AND VISIBLE CAR POSITION INDICATORS SHALL BE PROVIDED IN ELEVATOR CARS.</p> <ul style="list-style-type: none"> VISIBLE INDICATORS SHALL COMPLY WITH 11B-407.4.8.1. SIZE - CHARACTERS SHALL BE 1/2 INCH HIGH MINIMUM. LOCATION - INDICATORS SHALL BE LOCATED ABOVE THE CAR CONTROL PANEL OR ABOVE THE CAR. FLOOR ARRIVAL - AS THE CAR PASSES A FLOOR WHEN A FLOOR SERVED BY THE ELEVATOR, THE CORRESPONDING CHARACTER SHALL ILLUMINATE. DESTINATION INDICATORS - IN DESTINATION-ORIENTED ELEVATORS, A DISPLAY SHALL BE PROVIDED IN THE CAR WITH VISIBLE INDICATORS TO SHOW CAR DESTINATIONS. AUDIBLE INDICATORS SHALL COMPLY WITH 11B-407.4.8.2. SIGNAL TYPE-THE SIGNAL SHALL BE AN AUTOMATIC VERBAL ANNUNCIATOR WHICH ANNOUNCES THE FLOOR AT WHICH THE CAR IS ABOUT TO STOP. SIGNAL LEVEL - THE VERBAL ANNUNCIATOR SHALL BE 10 DB MINIMUM ABOVE AMBIENT, BUT SHALL NOT EXCEED 80 DB, MEASURED AT THE ANNUNCIATOR. FREQUENCY - THE VERBAL ANNUNCIATOR SHALL HAVE A FREQUENCY OF 300 HZ MINIMUM TO 3000 HZ MAXIMUM. EMERGENCY COMMUNICATION - EMERGENCY TWO-WAY COMMUNICATION SYSTEMS SHALL COMPLY WITH 11B-308. RAISED SYMBOLS OR CHARACTERS, WHITE IN BLACK BACKGROUND, AND BRAILLE SHALL BE PROVIDED ADJACENT TO THE DEVICE AND BETWEEN THE ELEVATOR AND A POINT OUTSIDE THE HOISTWAY SHALL COMPLY WITH ASME A17.1.
1/VT-3	<p>HALL SIGNALS - HALL SIGNALS, INCLUDING IN-CAR SIGNALS, SHALL COMPLY WITH 11B-407.4.2.2.</p> <ul style="list-style-type: none"> VISIBLE AND AUDIBLE SIGNALS - A VISIBLE AND AUDIBLE SIGNAL SHALL BE PROVIDED AT EACH HOISTWAY ENTRANCE TO INDICATE WHICH CAR IS ANSWERING A CALL AND THE CAR'S DIRECTIONS OF TRAVEL. WHERE IN-CAR SIGNALS ARE PROVIDED, THEY SHALL BE VISIBLE FROM THE FLOOR AREA ADJACENT TO THE HALL CALL BUTTONS. VISIBLE SIGNALS - VISIBLE SIGNAL FIXTURES SHALL BE CENTERED AT 72 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND. THE VISIBLE SIGNAL ELEMENTS SHALL BE A MINIMUM 2 1/2 INCHES WIDE. SIGNALS SHALL BE VISIBLE FROM THE FLOOR AREA ADJACENT TO THE HALL CALL BUTTON. AUDIBLE SIGNALS - AUDIBLE SIGNALS SHALL SOUND ONCE FOR THE UP DIRECTION AND TWICE FOR THE DOWN DIRECTION OR SHALL HAVE A FREQUENCY OF 1500 HZ MAXIMUM. VERBAL ANNUNCIATIONS SHALL HAVE A FREQUENCY OF 300 HZ MINIMUM AND 3000 HZ MAXIMUM. THE AUDIBLE SIGNAL AND VERBAL ANNUNCIATOR SHALL BE 10DB MINIMUM ABOVE AMBIENT, BUT SHALL NOT EXCEED 80 DB, MEASURED AT THE HALL CALL BUTTONS. 	1/VT4A	<p>SUPPORT RAIL - SUPPORT RAILS SHALL BE PROVIDED ON AT LEAST ONE WALL OF THE CAR.</p> <ul style="list-style-type: none"> LOCATION - CLEARANCE BETWEEN SUPPORT RAILS AND ADJACENT SURFACES SHALL BE 1 1/2 INCHES MINIMUM. TOP OF SUPPORT RAILS SHALL BE 31 INCHES MINIMUM TO 33 MAXIMUM ABOVE THE FLOOR OF THE CAR. THE ENDS OF THE SUPPORT RAIL SHALL BE 6 INCHES MAXIMUM FROM ADJACENT WALLS. SURFACES - SUPPORT RAILS SHALL BE SMOOTH AND ANY SURFACE ADJACENT TO THEM SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS. STRUCTURAL STRENGTH - ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN VERTICAL OR HORIZONTAL FORCES OF 250 POUNDS IS APPLIED AT ANY POINT ON THE SUPPORT RAIL, FASTENER, MOUNTING DEVICE OR SUPPORTING STRUCTURE.
VT4A	<p>HOISTWAY SIGNS - SIGNS AT ELEVATOR HOISTWAY SHALL COMPLY WITH 11B-407.2.3.</p> <ul style="list-style-type: none"> FLOOR DESIGNATION - FLOOR DESIGNATIONS SHALL BE PROVIDED ON BOTH JAMBS OF ELEVATOR HOISTWAY ENTRANCES. FLOOR CHARACTERS SHALL BE PROVIDED IN BOTH RAISED CHARACTERS AND BRAILLE. RAISED CHARACTERS SHALL BE 2 INCHES HIGH. A RAISED STAR, PLACED ON THE LEFT OF THE FLOOR DESIGNATION, SHALL BE PROVIDED ON BOTH JAMBS AT THE MAIN ENTRY LEVEL. THE OUTSIDE DIAMETER OF THE STAR SHALL BE 2 INCHES AND ALL POINTS SHALL BE EQUAL LENGTH. RAISED CHARACTERS, INCLUDING THE STAR SHALL BE WHITE ON A BLACK BACKGROUND. BRAILLE COMPLYING WITH 11B-703.3 SHALL BE PLACED BELOW THE CORRESPONDING RAISED CHARACTERS AND THE STAR. THE BRAILLE TRANSLATION FOR THE STAR SHALL BE "MAIN". APPLIED PLATES ARE ACCEPTABLE IF THEY ARE PERMANENTLY FIXED TO THE JAMB. CAR DESIGNATION - DESIGNATION-ORIENTED ELEVATORS SHALL PROVIDE TACTILE CAR IDENTIFICATION COMPLYING WITH 11B-703.2 AND 11B-703.4.1 ON BOTH JAMBS OF THE HOISTWAY IMMEDIATELY BELOW THE FLOOR DESIGNATION. CAR DESIGNATIONS SHALL BE PROVIDED IN BOTH RAISED CHARACTERS AND BRAILLE. RAISED CHARACTERS SHALL BE 2 INCHES HIGH. RAISED CHARACTERS SHALL BE WHITE ON BLACK BACKGROUND, BRAILLE COMPLYING WITH 11B-703.3 SHALL BE PLACED BELOW THE CORRESPONDING RAISED CHARACTERS. APPLIED PLATES ARE ACCEPTABLE IF THEY ARE PERMANENTLY FIXED TO THE JAMB. 	1/VT3	<p>ELEVATOR CAR REQUIREMENTS - 11B-407.4</p> <ul style="list-style-type: none"> CAR DIMENSION - INSIDE DIMENSIONS OF ELEVATOR CARS AND CLEAR WIDTH OF ELEVATOR DOORS SHALL COMPLY WITH TABLE 407.4.1. CBC 3002.4.3A WHERE REQUIRED. FLOOR SURFACES - FLOOR SURFACES IN ELEVATOR CARS SHALL COMPLY WITH 11B-302 AND 11B-303. PLATFORM TO HOISTWAY CLEARANCES - THE CLEARANCE BETWEEN THE CAR PLATFORM SILL AND THE EDGE OF ANY HOISTWAY LANDING SHALL BE 1 1/4 INCHES MINIMUM. LEVELING - EACH CAR SHALL BE EQUIPPED WITH A SELF-LEVELING FEATURE THAT WILL AUTOMATICALLY BRING AND MAINTAIN THE CAR AT FLOOR LANDING WITHIN A TOLERANCE OF 1/2 INCH UNDER RATED LOADING TO ZERO LOADING CONDITION. ILLUMINATION - THE LEVEL OF ILLUMINATION AT THE CAR CONTROLS, PLATFORM, CAR THRESHOLD AND CAR LANDING SILL SHALL BE 5 FLOOR CANDLES MINIMUM. ELEVATOR CAR CONTROLS - WHERE PROVIDED, THEY SHALL COMPLY WITH 11B-407.4.6 AND 11B-309.4.
VT4	<p>ELEVATOR DOOR REQUIREMENTS - 11B-407.3</p> <ul style="list-style-type: none"> TYPE - ELEVATOR DOORS SHALL BE THE HORIZONTAL SLIDING TYPE. CAR GATES SHALL BE PROHIBITED. OPERATION - ELEVATOR HOISTWAY AND CAR DOORS SHALL OPEN AND CLOSE AUTOMATICALLY. REOPENING DEVICE - ELEVATOR DOORS SHALL BE PROVIDED WITH REOPENING DEVICE COMPLYING WITH 11B-407.3.3 THAT SHALL STOP AND REOPEN A CAR DOOR AND HOISTWAY DOOR AUTOMATICALLY IF THE DOOR BECOMES OBSTRUCTED BY AN OBJECT OR PERSON. HEIGHT - THE DEVICE SHALL NOT REQUIRE PHYSICAL CONTACT TO BE ACTIVATED, ALTHOUGH CONTACT IS PERMITTED TO OCCUR BEFORE THE DOOR REVERSES. CONTACT - THE DEVICE SHALL NOT REQUIRE PHYSICAL CONTACT TO BE ACTIVATED, ALTHOUGH CONTACT IS PERMITTED TO OCCUR BEFORE THE DOOR REVERSES. DURATION - DOOR REOPENING DEVICES SHALL REMAIN EFFECTIVE FOR 20 SECONDS MINIMUM. DOOR AND SIGNAL TIMING - THE MINIMUM ACCEPTABLE TIME FROM NOTIFICATION THE CAR IS ANSWERING A CALL OR NOTIFICATION OF THE CAR ASSIGNED AT THE MEANS FOR THE ENTRY OF DESIGNATION INFORMATION UNTIL THE DOORS OF THAT CAR START TO CLOSE SHALL BE CALCULATED FROM THE FOLLOWING EQUATION: T=D/(1.5 FT/S) OR T=D/(455MM/S)=5 SECONDS MINIMUM WHERE T EQUALS THE TOTAL TIME IN SECONDS AND D EQUALS THE DISTANCE (IN FEET OR MILLIMETERS) FROM THE POINT IN THE LOBBY OR CORRIDOR 60 INCHES DIRECTLY IN FRONT OF THE FARTHEST CALL BUTTON CONTROLLING THAT CAR TO THE CENTERLINE OF THE HOISTWAY DOOR. WIDTH - THE WIDTH OF THE ELEVATOR DOORS SHALL COMPLY WITH TABLE 11B-407.4.1. 	VT3	<p>LOCATION - CONTROLS SHALL BE LOCATED WITHIN REACH RANGES SPECIFIED IN 11B-308.</p> <ul style="list-style-type: none"> BUTTONS - CAR CONTROLS BUTTONS WITH FLOOR DESIGNATIONS SHALL COMPLY WITH THE FOLLOWING: SIZE AND SHAPE - BUTTONS SHALL HAVE SQUARE SHOULDERS, BE 3/4 INCH MINIMUM IN THE SMALLEST DIMENSION AND SHALL BE RAISED 1/8 INCH PLUS OR MINUS 1/32 INCH ABOVE SURROUNDING SURFACE. ARRANGEMENT - BUTTONS SHALL BE ARRANGED WITH NUMBERS IN ASCENDING ORDER. WHEN TWO OR MORE COLUMNS OF BUTTONS ARE PROVIDED, THEY SHALL READ LEFT TO RIGHT. ILLUMINATION - CAR CONTROL BUTTONS SHALL BE ILLUMINATED. OPERATION - CAR CONTROL BUTTONS SHALL BE ACTIVATED BY MECHANICAL MOTION THAT IS DETECTABLE. KEYPADS - CAR CONTROL KEYPADS SHALL BE IN A STANDARD TELEPHONE KEYPAD ARRANGEMENT AND SHALL COMPLY WITH 11B-407.4.7.2. EMERGENCY CONTROLS - EMERGENCY CONTROLS SHALL COMPLY WITH 11V-407.4.6.4. HEIGHT - EMERGENCY CONTROLS SHALL HAVE THEIR CENTERLINES 35 INCHES MINIMUM TO 48 INCHES MAXIMUM, 11B-308, ABOVE THE FINISH FLOOR. LOCATION - EMERGENCY CONTROLS, INCLUDING THE EMERGENCY ALARM, SHALL BE GROUPED AT THE BUTTON OF THE PANEL.
3/VT4		1/VT4A	
1/VT4A		1/VT4	
1/VT4		1/VT4	
VT3		1/VT4	

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PROJECT: **2583 WEST BLVD**
MODULAR ELEVATOR
OWNER / CLIENT: **TL SHIELD**

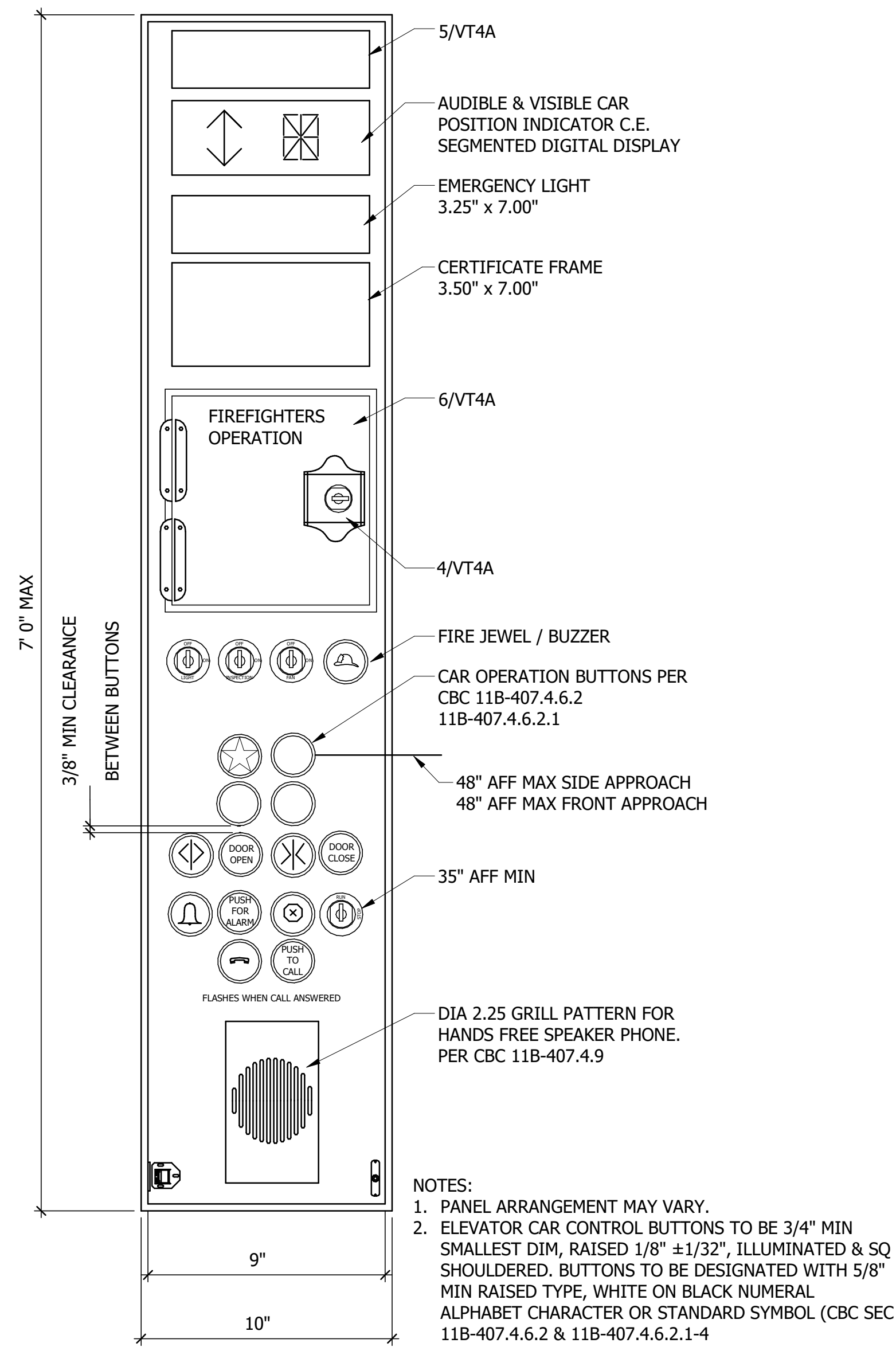
PROFESSIONAL SEAL

REVISION:	DATE:
	07/20/2023
DRAWN BY:	CHECKED BY:
AFV	JB
DESIGNED BY:	JOB NUMBER:
KH	A22-099

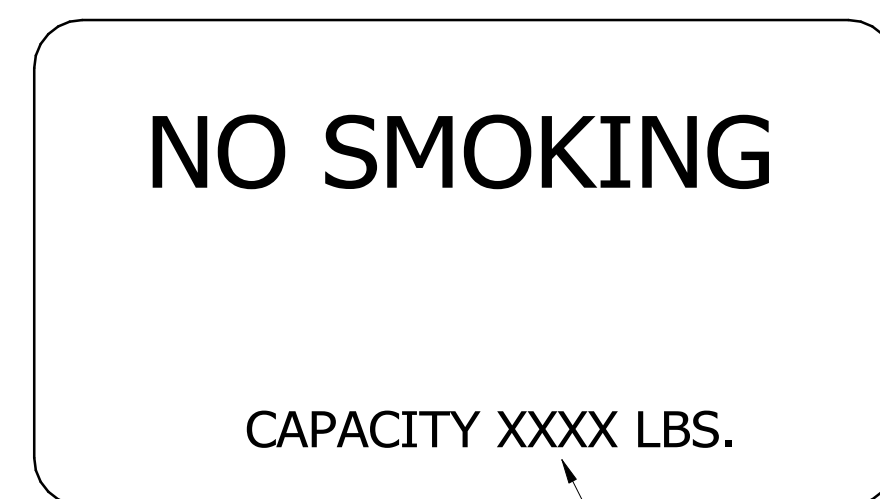
ACCESS COMPLIANCE

VT4

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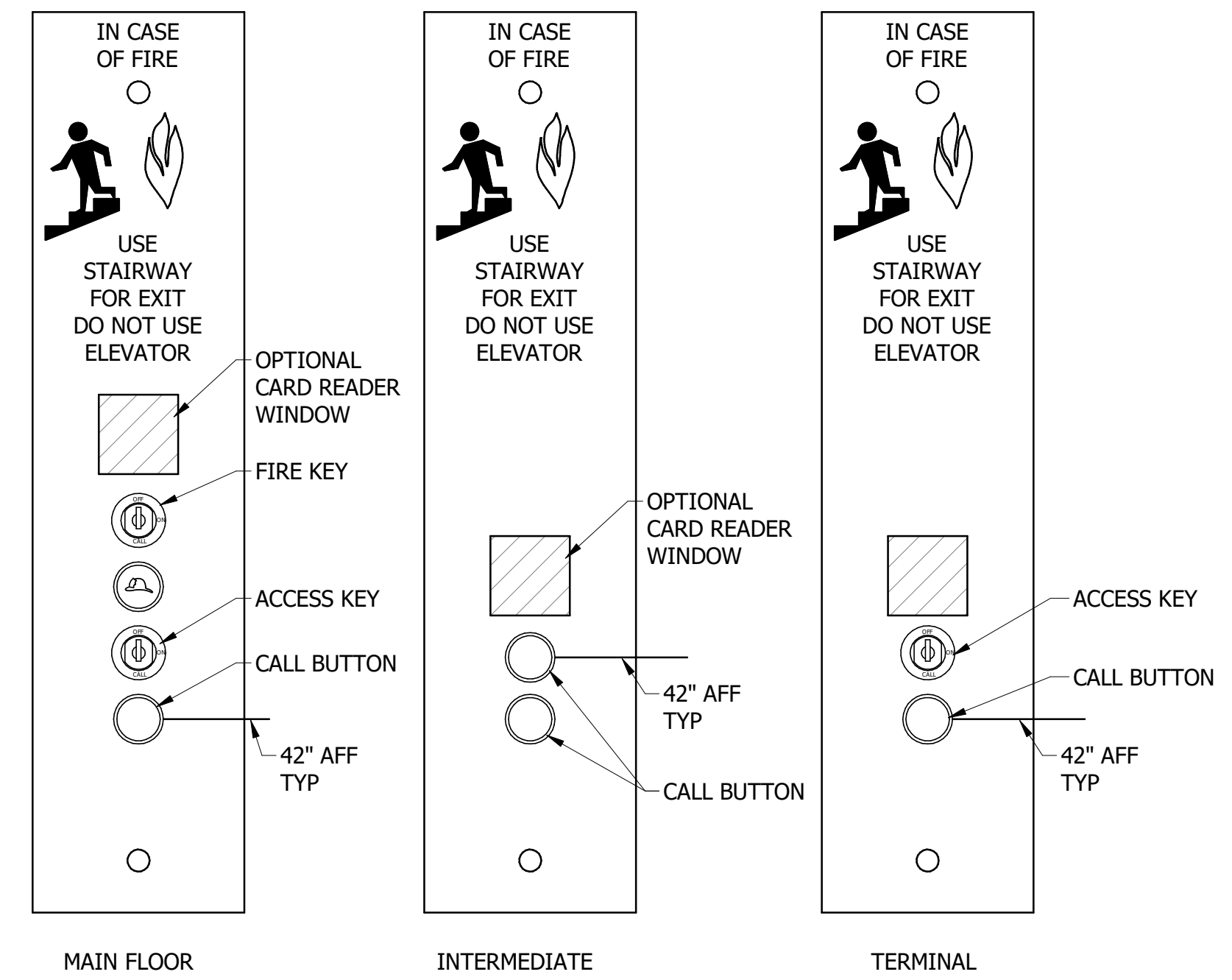


1 CAR OPERATING STATION
SCALE: NTS

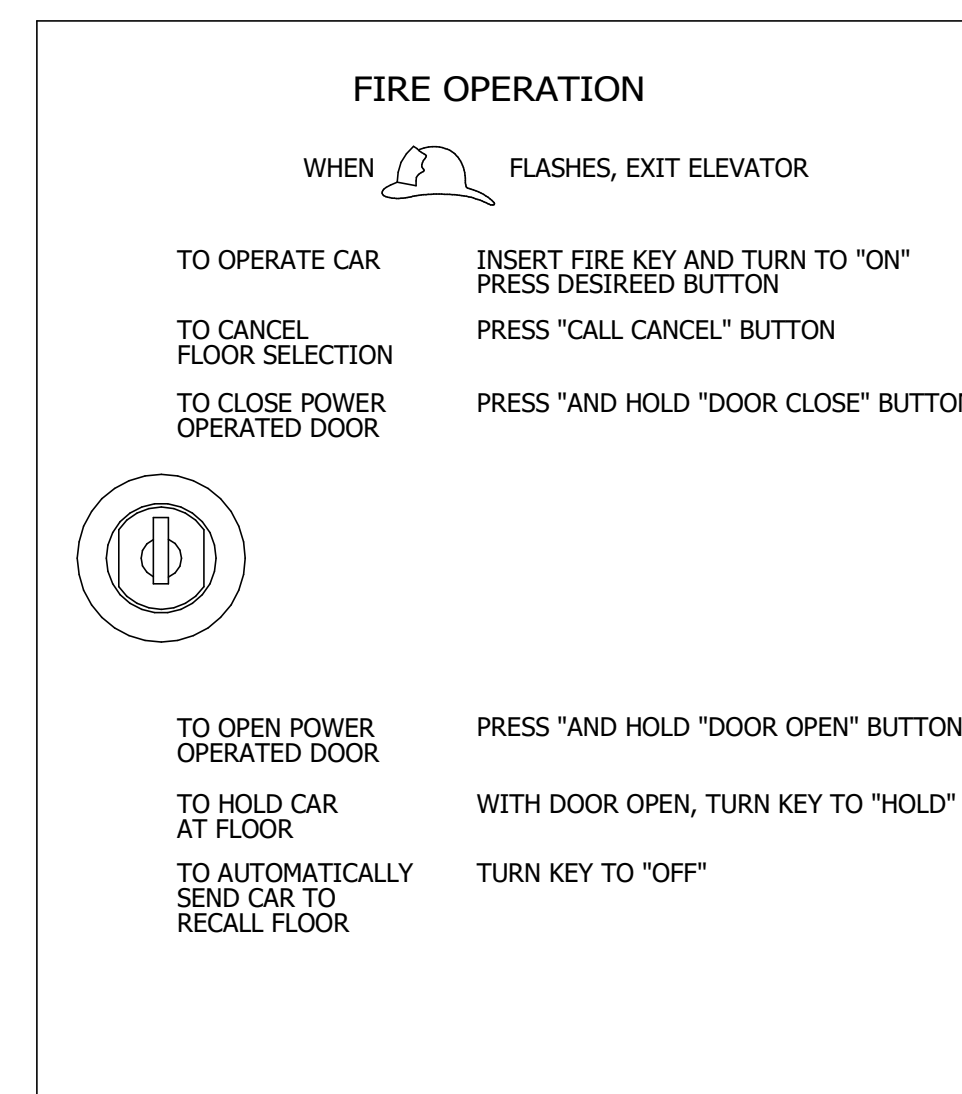


5 SIGNAGE
SCALE: NTS

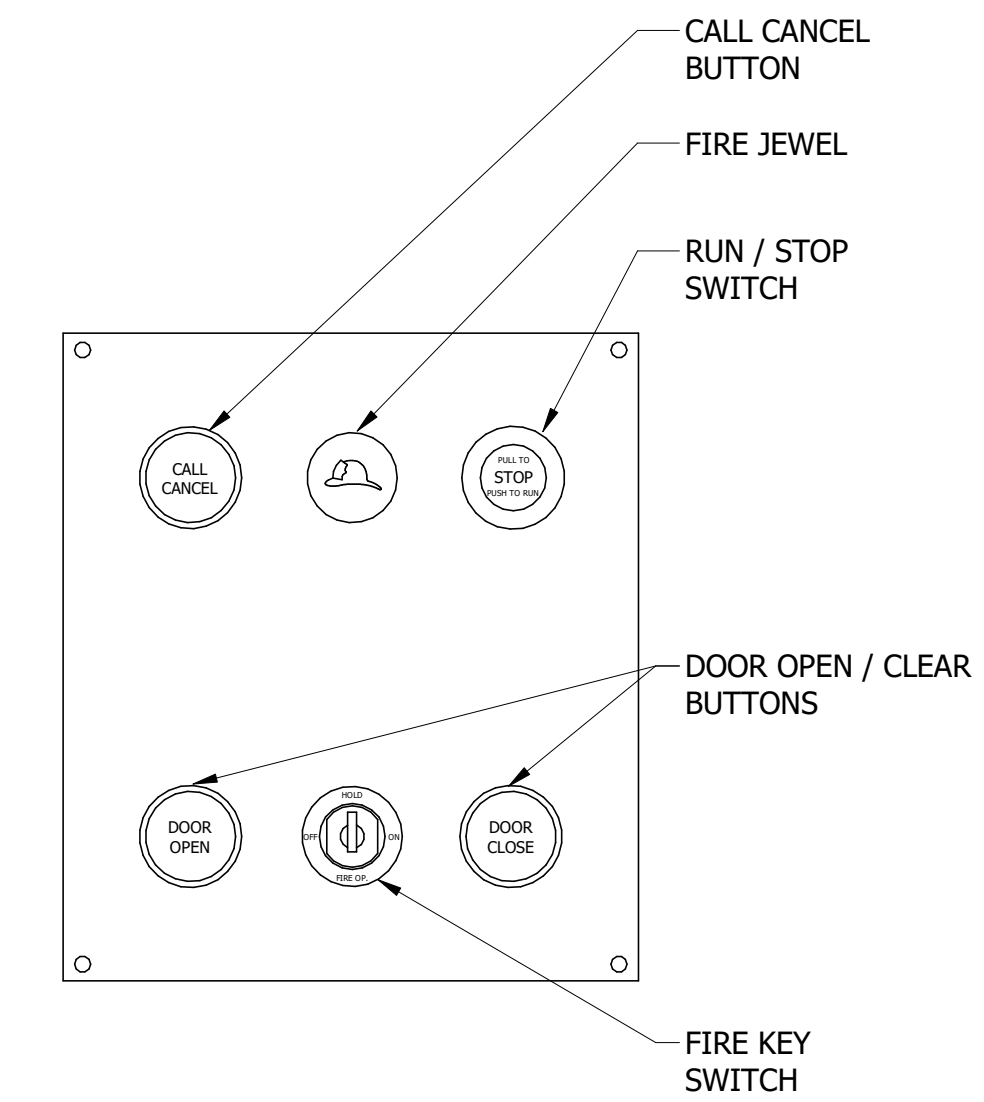
- 2000
- 2500
- 3000
- 3500
- 4000



2 HALL STATION
SCALE: NTS




6 ANSI PHASE II INSERT
SCALE: NTS



4 FIRE PANEL
SCALE: NTS

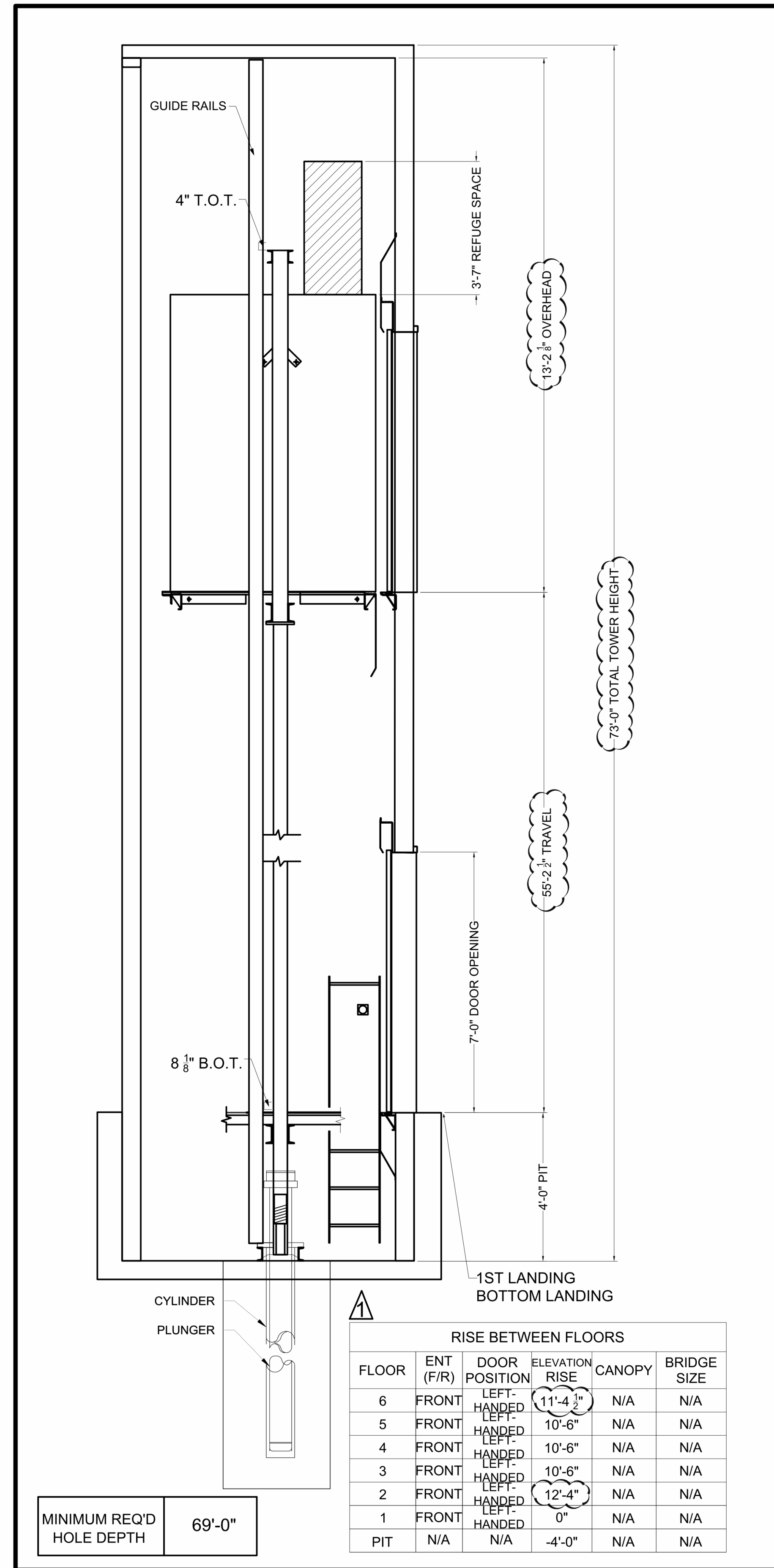
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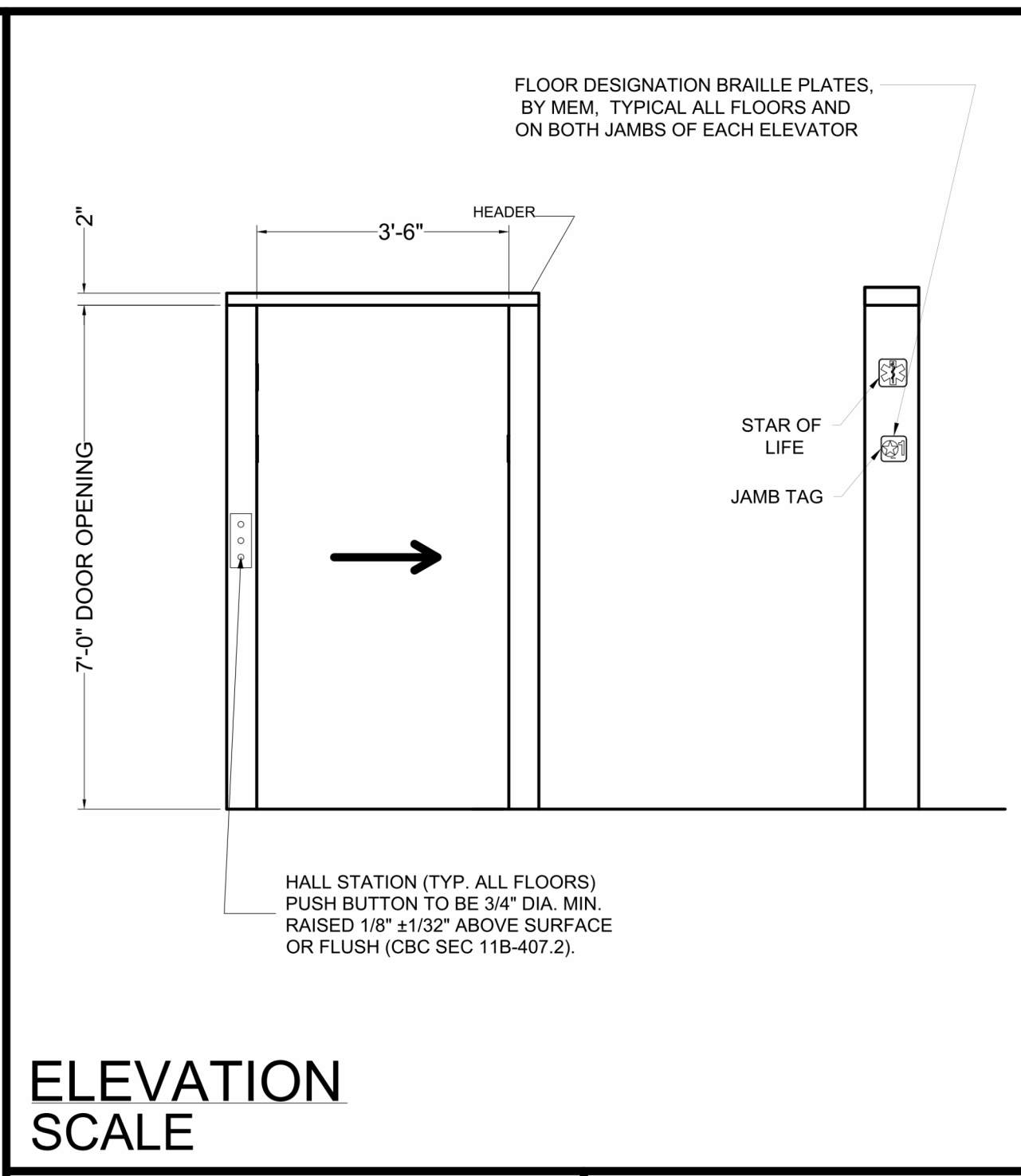
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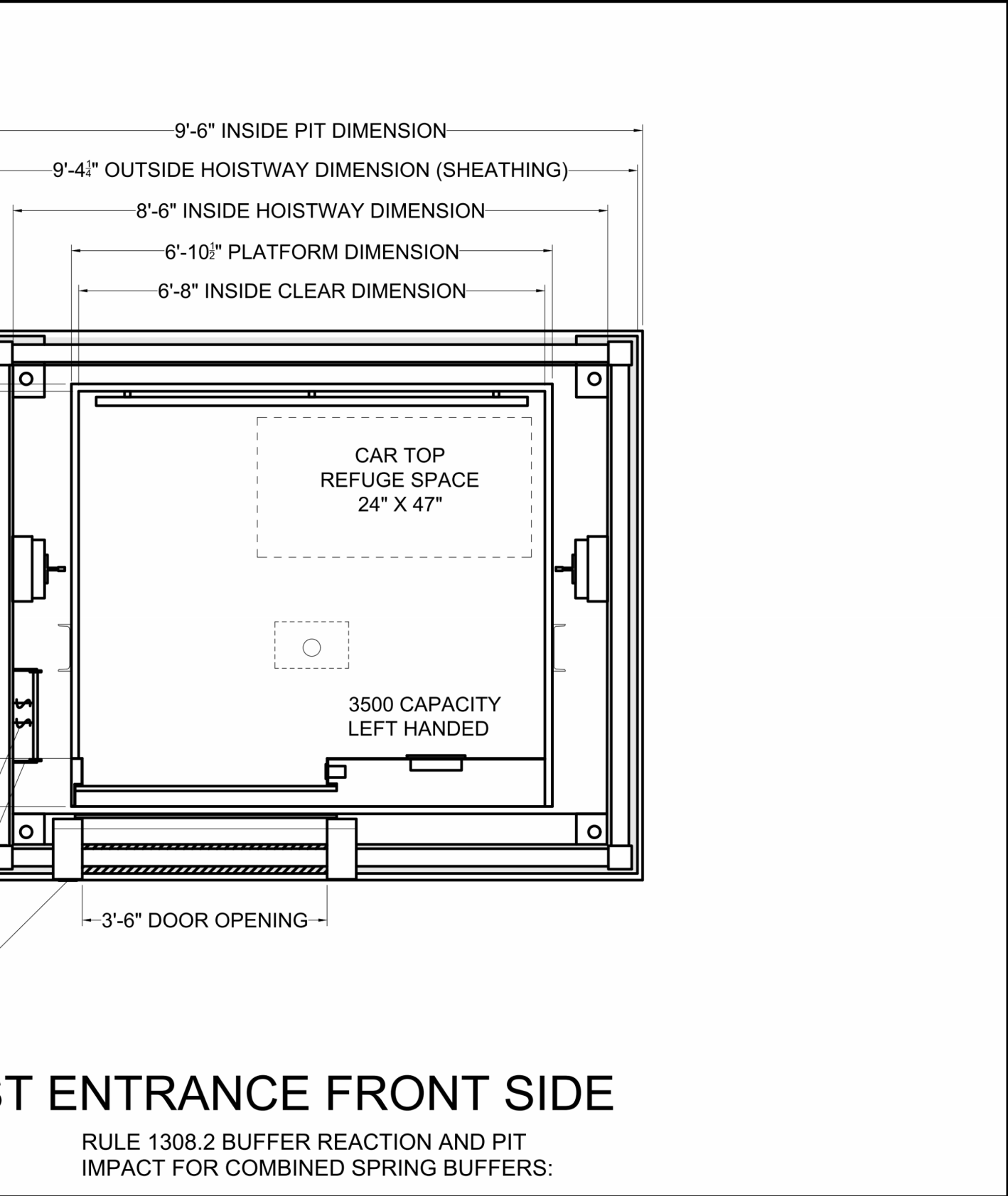
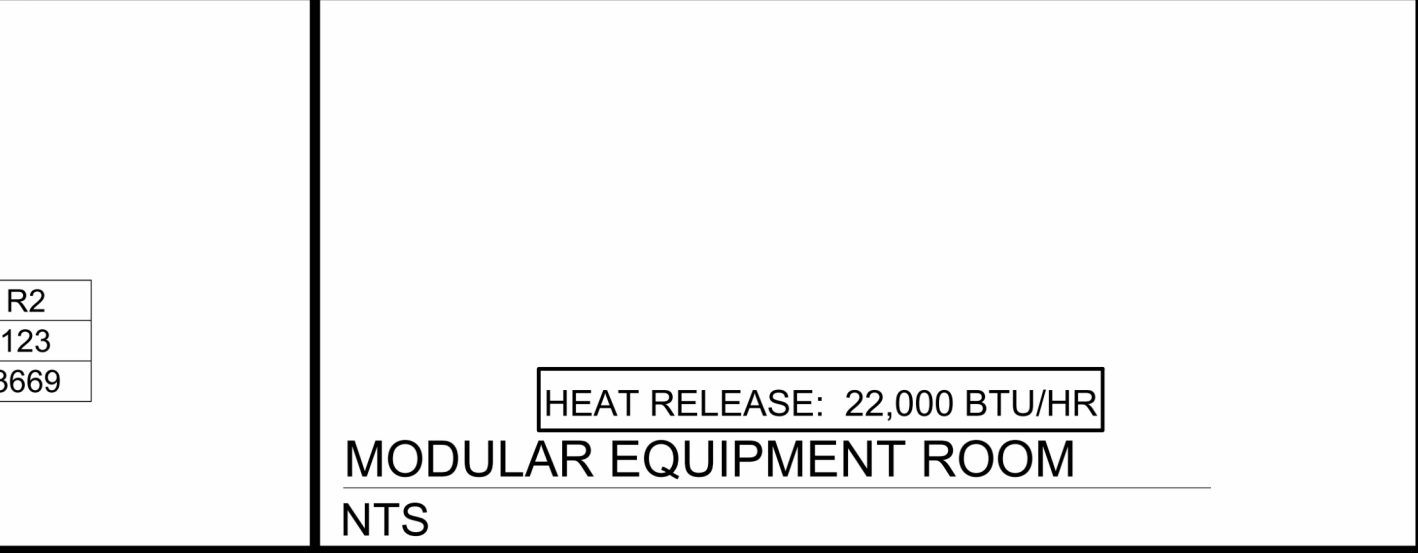
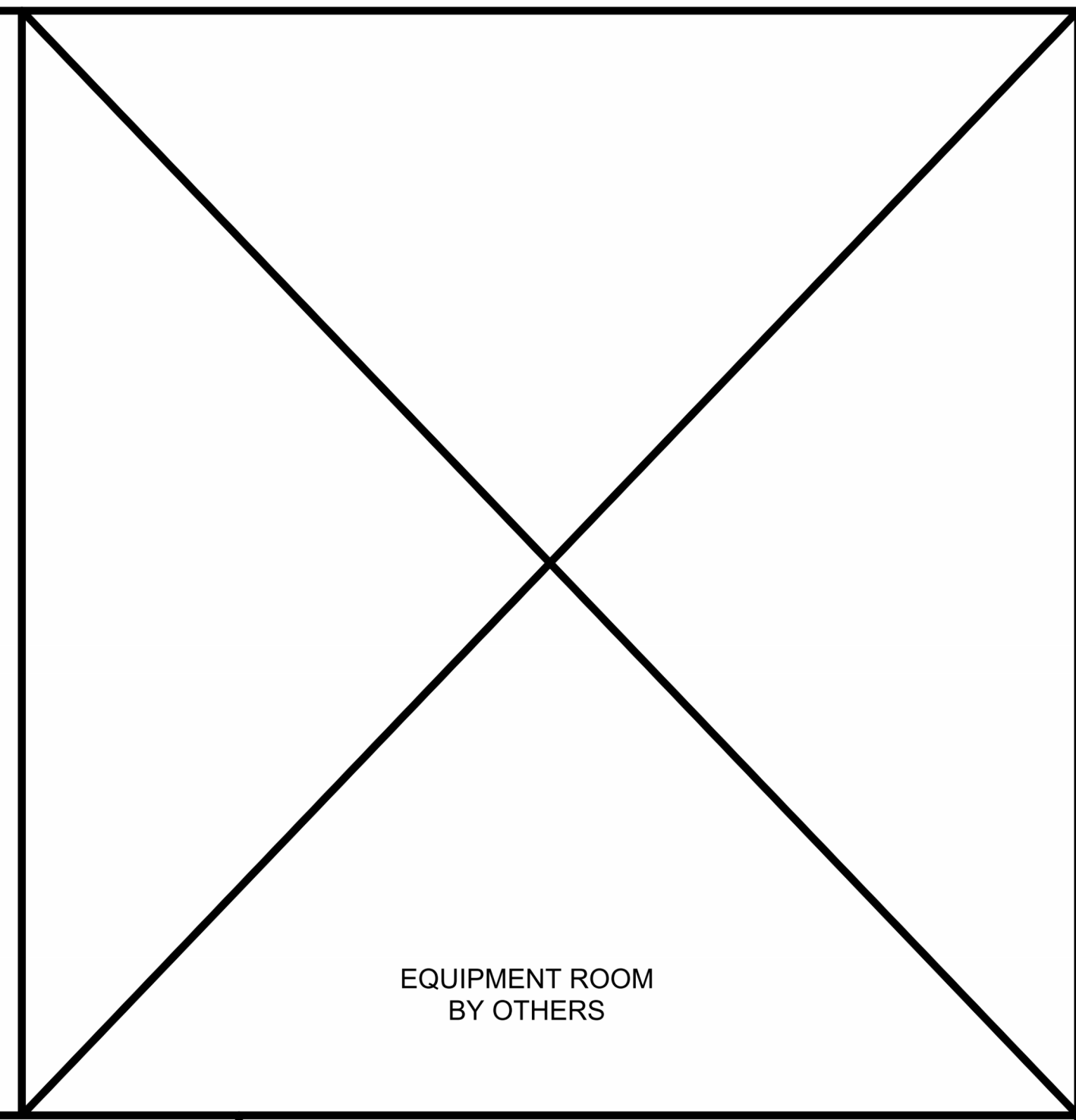
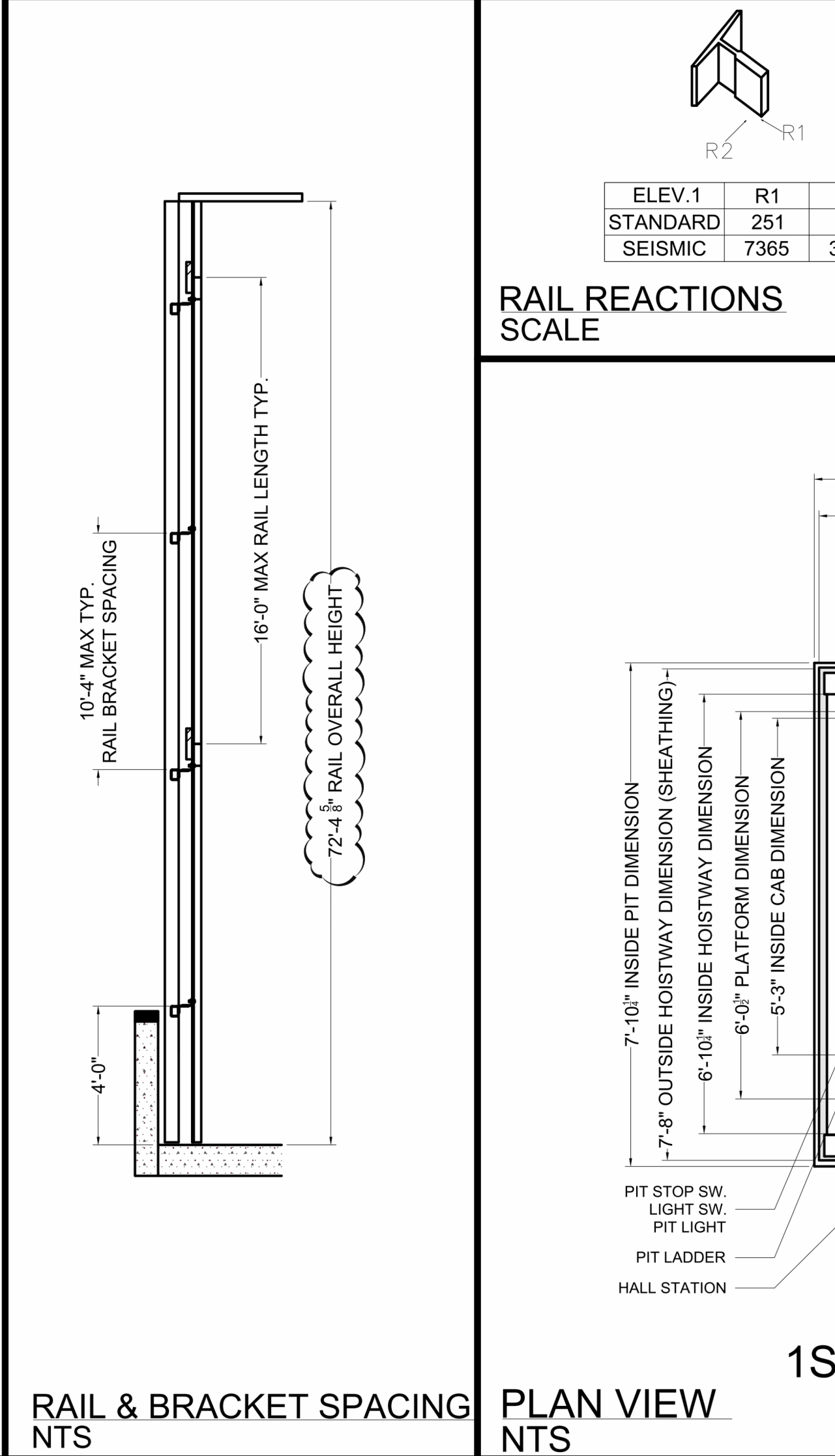
ELEVATOR LAYOUT



MINIMUM REQ'D HOLE DEPTH: **69'-0"**



ELEVATION SCALE



PROJECT INFORMATION		ELEVATOR	
MODEL			3500G
CAPACITY (LBS)			3500
HOISTWAY MODEL			HW-2B
TYPE			PASSENGER
OPERATION			SIMPLEX SELECTIVE COLLECTIVE
LOADING			CLASS A
POWER SUPPLY			208 VOLTS / 3 PH / 60 HZ
MOTOR STARTER			SOFT STARTER
CONTROL TYPE			MICROPROCESSOR
DOOR OPERATOR			GAL MOVFR II
SPEED (FPM)			125
LANDINGS			6
OPENINGS			6 Front
TRAVEL			55'-2 1/2"
CROSSHEAD			C8 X 9#
STILE			C8 X 11.5#
PLANK			C6 X 10.5#
GUIDE RAILS			15#
PLATFORM SIZE (INCHES)			6'-10 1/2" X 6'-0 1/2"
PLATFORM THICKNESS			3"
FINISHED FLOOR THICKNESS			0.625"
GUIDE SHOES			SWIVEL GUIDES
BUFFERS			ECCO P/N A9731
TYPE (QTY)			SPRING (2) PER ELEV.
RATING:			10720 LBS EACH
STROKE:			2.5"
WEIGHTS			
HOISTWAY DOOR			235
CAR DOOR			242
PISTON WEIGHT (MAXIMUM)			2049
SLING & PLATFORM WEIGHT			1200
CAB WEIGHT			1537
ACCESSORIES			381
TOTAL CAR WEIGHT			2737
GROSS WEIGHT (CAR+1/2 PISTON)			7261.5
PRESSURE & FLOW			
G.P.M.			--
PUMP UNIT			
MOTOR HP			50
MOTOR RPM			3390
FULL LOAD AMPS			150
STARTING AMPS			200
PUMP			55#4B
PUMP RPM			3400
VALVE			ECCO UV5A
VALVE VOLTAGE			120 VOLTS
FEED PIPE SIZE			2 INCH. SCHED. 80
HYDRAULIC JACKS			
TYPE			IN-GROUND
JACK			PJR-6
PLUNGER O.D.			6.500"
PLUNGER WALL THICKNESS			0.499"
PLUNGER LENGTH			
CYLINDER O.D.			10.750"
CYLINDER WALL THICKNESS			0.365"
CYLINDER LENGTH			
TOP OVERTRAVEL			4.000"
BOTTOM OVERTRAVEL			8.125"
MACHINE ROOM			
POSITION			BY OTHERS
DOOR POSITION			BY OTHERS
WALLS			
HOISTWAY WALL RATING			2 HOUR RATED
MACHINE ROOM WALL RATING			BY OTHERS
HOISTWAY WALL EXTERIOR			DRY WALL
MACHINE ROOM WALL EXTERIOR			BY OTHERS
FINISH SELECTION			
HOISTWAY ENTRANCE FRAME			PRIMER
HOISTWAY DOOR			PRIMER
CAB DOOR			PRIMER
CAB WALL			TBD
OPTIONS			
SHRINKWRAP PROTECTION			N/A
BRIDGE			N/A
LANDING THRESHOLDS			N/A
HALL LANTERN			N/A
CUSTOM OPTIONS:			
APPROVAL			
THIS ARRANGEMENT APPROVED BY:			
X		X	
SIGNED			
DATE:		DATE:	

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