

ELEVATOR SUBMITTAL PACKAGE

Date Submitted: **DECEMBER 28, 2020**

For Project:

[REDACTED]

Job Number:

[REDACTED]

**FINAL
DRAWINGS**

Elevator(s): **1 (SIMPLEX)**

APPROVED

Located At:

[REDACTED]

Company (Mail To):

[REDACTED]

GC Phone:

[REDACTED]

Attention:

[REDACTED]

[REDACTED]

[REDACTED]

INFORMATION

"ALL DEPICTIONS, DIMENSIONS, MEASUREMENTS AND ALL OTHER INFORMATION CONTAINED IN THESE DRAWINGS ARE FOR ILLUSTRATION PURPOSES ONLY. THE CONSTRUCTION MANAGER AND/OR GENERAL CONTRACTOR BEARS FULL RESPONSIBILITY TO PROPERLY BUILD THE NECESSARY HOISTWAYS, CONTROL-ROOMS, AND/OR MACHINE-ROOMS TO ACCOMMODATE THE ELEVATOR EQUIPMENT PURCHASED." IN NO EVENT WILL [REDACTED] CORPORATION BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR INDIRECT DAMAGES (INCLUDING BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFITS, DELAY, BUSINESS INTERRUPTION,) ARISING OUT OF THE USE OF THESE DRAWINGS, THE INABILITY TO USE THESE DRAWINGS (INCLUDING ANY INFORMATION CONTAINED THEREIN), OR ANY TRANSACTIONS RELATED TO THE USE OF THESE DRAWINGS. BECAUSE SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN SUCH STATES, [REDACTED] CORPORATION'S LIABILITY IS LIMITED TO THE GREATEST EXTENT PERMITTED BY LAW.

REMITTANCE INFORMATION:

PLEASE REMIT ELECTRONIC COPY OF ALL CONFIRMATIONS AND APPROVALS TO:

TO: [REDACTED]

EMAIL [REDACTED]

[REDACTED]

PHONE [REDACTED]

CONTACT INFORMATION:

Sales Representative:	[REDACTED]	[REDACTED]	
Construction Manager:	[REDACTED]	[REDACTED]	
Project Manager:	[REDACTED]	[REDACTED]	

PACKAGE CONTENT:

- Cover Page Sheet
- Information Sheet
- Contractor Approved Sheet
- Layout Sheet
- Entrance Sheet(s)

- The enclosed final drawings are in compliance with conditions of [REDACTED] subcontract or supplying and installing materials and or systems for the project referenced above.

CONTRACTOR APPROVED SHEET

ELEVATOR DESIGNATION: 1

FACTORY JOB NUMBER: XXXXXXXXXX

DESCRIPTION OF YOUR CAB FEATURES:

CAB TYPE:	FLAT STEEL WALLS (TKS)
CAB WALL FINISH:	F-112 PITCH BLACK
BASE:	#4 STAINLESS STEEL
CAB CEILING:	SUSPENDED
CEILING FRAME FINISH:	F-112 PITCH BLACK
CAB DOOR:	#4 STAINLESS STEEL
CAR SILLS:	ALUMINUM
CAB HANDRAIL(S):	(3) 1/4" X 2" CONTINUOUS FLAT BAR
HANDRAIL(S) FINISH:	#4 STAINLESS STEEL
ADDITIONAL HANDRAIL(S):	(3) 1/4" X 6" CONTINUOUS FLAT BAR
ADDITIONAL HANDRAIL(S) FINISH:	#4 STAINLESS STEEL
CAB PROTECTION:	PADS AND PAD BUTTONS PROVIDED.
CAB FLOORING:	FINISH FLOOR WEIGHT (3/8" MAX. THICKNESS) = 200 LBS. RUBBER SHEET FLOORING, BY OTHERS

APPROVED ENTRANCE INFORMATION:

MAIN EGRESS/ FIRE RECALL @ FLOOR MARKED: 1

FLOOR MARKING:	WALL TYPE:	WALL THICKNESS (X):	ENTRANCE DOOR FINISH:	ENTRANCE FRAME FINISH:
3	DRYWALL	6 5/8"	F-112 BLACK	F-112 BLACK
2	DRYWALL	6 5/8"	F-112 BLACK	F-112 BLACK
1	DRYWALL	6 5/8"	F-112 BLACK	F-112 BLACK

APPROVED POWER REQUIREMENTS:

WE REQUIRE THAT THE FOLLOWING POWER INFORMATION BE CONFIRMED:

BUILDING POWER: 480 VOLTS A.C. 3 PHASE 60 CYCLES

STARTING TYPE: SOLID STATE STARTING

FEATURES FOR YOUR FIXTURES:

VANDAL RESISTANT BUTTON COLOR:	BLUE LED
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FINAL DRAWINGS APPROVED

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TRACTION ELEVATOR CONTRACT DATA (SEISMIC)

ELEVATOR DESIGNATION	DRIVE HP	DRIVE AMPS	CONTROLLER AMPS	TOTAL AMPS (RUNNING)	MAX UP ACC. AMPS (FULL LOAD)	SHORT CIRCUIT CURRENT RATING AMPS (AT 600V OR LESS)	REGEN KW-HI SPEED	REGEN KW-DECEL
1	30R	12.4	3.6	17	24.2	25,000	5.1	7.1

IBC PARAMETERS				
DESIGN CATEGORY	IMPORTANCE FACTOR	SDS	BASE ELEVATION	AVG. BUILDING HEIGHT
D	1.0	0.443	-5'-0"	45'-0"

FINAL

A

12/16/2020

CONSTRUCTION WEIGHTS	
FACTORY PLATFORM WEIGHT	248 LBS.
SLING WEIGHT <small>(X-HD, STILE, SAFETY DEVICE, SAFETY CHANNELS & GUIDES)</small>	1,021 LBS.
CONSTRUCTION CAR TOP WEIGHT <small>(CAR TOP + 500)</small>	858 LBS.
TOTAL TEMPORARY CWT. WT. REQUIRED	2,127 LBS.
CWT. FRAME WEIGHT <small>(FRAME, SHOES, SHEAVE, SAFETY, ETC.)</small>	549 LBS.
TEMPORARY FILLER WEIGHT	1,578 LBS.
TEMPORARY FILLER HEIGHT (STEEL)	34 IN

ELEVATOR NUMBER	1
TYPE	PASSENGER
CLASS	DESIGNED FOR CLASS "A" FREIGHT LOADING
CAPACITY	2,500 LBS.
MAX. UNIT LOAD	625 LBS.
MAX. AXLE LOAD	625 LBS.
MAX. SUSTAINING LOAD	2,500 LBS.
SPEED	200 FPM
OPERATION	TAC32T-SLIM
STOPS	3
HOISTWAY ENTRANCES	SINGLE-SPEED (PWD.)
CAR DOORS	SINGLE-SPEED (PWD.)
STILE	F6.75 X 5.47
CROSSHEAD	F7 X 6.26
SAFETY PLANK	F8.75 X 11.48
CAR GUIDE TYPE	SLIDE
BALANCE WEIGHTS	223 LBS.
CAR SAFETY	FLEX (DONGFANG)
GOVERNOR	CAR
MACHINE	5001CJ002
DRIVE SHEAVE DIA.	4.41 N. [112 mm]
FULL LOAD MASS	10,240 LBS.
CONTROL	VVVF
POWER SUPPLY	480 V. 3 PH. 60 CYC.
HOIST BELTS	(4) 42.5 x 3.1 mm
GOVERNOR ROPE (PERFORMED)	(1) 1/4 IN. 8 X 19 [6.5mm] WARRINGTON-IWRC
CAR BUFFER TYPE	(2) OIL
CAR BUFFER STROKE	2 3/4 N.
CWT. BUFFER TYPE	(1) OIL
CWT. BUFFER STROKE	2 3/4 N.
CWT. STILE LENGTH	11'-1 1/2"
CWT. GUIDE TYPES	SLIDE
CWT. FILLER TYPE-SOLID	(81) 165CPV001
CWT. FILLER TYPE-SPLIT	(0) 165CPV007
CAVITY FILLERS	(5) 165CPV004
CWT. FILLER STACK HEIGHT	81 IN.
CWT. PERCENTAGE	45.00%
TOTAL FILLER WEIGHT	3,753 LBS.
TOTAL CWT. WEIGHT	4,338 LBS.
TOTAL CAR WEIGHT W/ FLOORING	3,206 LBS.
FLOORING WT. BY OTHERS	200 LBS. (3/8" THICK)
EST. CAB WEIGHT W/ FINISHES & DOOR OPERATOR	1,530 LBS.
CAB TYPE	TKS
CAB FINISHES BY OTHERS	N/A
MACHINE WEIGHT & FRAME	1,070 LBS.
CAR GUIDE RAILS	15 LBS./FT.
CWT. GUIDE RAILS	15 LBS./FT.

THE FOLLOWING CONDITIONS MUST BE MET BEFORE INSTALLATION IS COMPLETED, AND ARE NOT INCLUDED IN THE ELEVATOR CONTRACT:

- A PLUMB, PROPERLY - VENTILATED HOISTWAY, (ACCORDING TO CODE AND SIZES SHOWN).
- ADEQUATE SUPPORT IN FOUNDATION TO CARRY THE LOADS OF ALL EQUIPMENT, INCLUDING OVERHEAD MACHINE WITH MACHINE SUPPORT FRAME, GUIDE RAILS AND BUFFERS (FOR REACTIONS SHOWN). ADEQUATE SUPPORT FOR GUIDE RAIL BRACKETS (FOR REACTIONS SHOWN).
- HOISTWAY BARRICADES, (ALL CUTTING AND PATCHING TO INSTALL HOISTWAY ENTRANCES, SILLS AND HALL FIXTURES).
- PIT, OVERHEAD LIGHTS AND SWITCHES, CONVENIENCE OUTLETS OF THE GFCI PER NEC AND ASME A17.1. PIT LADDER PER CAR (ACCORDING TO CODE) TO BE PROVIDED AND MUST BE CLEAR OF ALL ELEVATOR EQUIPMENT.
- SEPARATE 120 VOLT, 15 AMP. BRANCH CIRCUITS, ALONG WITH TELEPHONE CIRCUIT WHEN REQUIRED, TO TERMINALS OF EACH REQUIRED CONTROLLER (AS LOCATED ON PLAN VIEW) FOR THE FOLLOWING:
CAR LIGHT AND ALARM CIRCUIT WITH RECEPTACLES OF THE GFCI TYPE PER NEC.
NOTE: IF STANDBY POWER IS SUPPLIED TO THE ELEVATOR, GROUP CONTROL CIRCUIT MUST BE STANDBY POWER BACKED.
NOTE: IF STANDBY POWER IS REQUIRED, SEE "ELEVATOR STANDBY POWER OPERATION".
- BRANCH CIRCUIT CONDUCTOR SIZING, MATERIALS AND INSULATION (INCLUDING BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE) TO COMPLY WITH ALL LOCAL ELECTRICAL CODES (SEE "ELECTRICAL POWER REQUIREMENTS").
NOTE: ALSO, A FOURTH WIRE OF THE SAME SIZE AS THREE PHASE WIRES IS REQUIRED FOR GROUNDING PURPOSES TO MINIMIZE ELECTRICAL NOISE INTERFERENCE. THE GROUNDING WIRE MUST BE CONNECTED TO THE BUILDING'S ELECTRICAL SYSTEM GROUND.
- AN ENCLOSED CONTROLLER ROOM AREA (IF REQUIRED BY LOCAL CODE), WITH ADEQUATE LIGHT, HEAT, VENTILATION (MIN. 32°F. (0°C), MAX. 104°F. (40°C) WITH NON-CONDENSING HUMIDITY OF 10 - 95%), SEALED CONCRETE FLOOR SLAB SURFACE.
- A PROPERLY VENTED HOISTWAY AND MAINTAINED BETWEEN 32°F (0°C) AND 104°F (40°C) WITH NON-CONDENSING HUMIDITY OF 10-95% PER LOCAL BUILDING CODE.
- ENTRANCE WALLS WITH LINTELS, NOTE: MUST BE PROVIDED AFTER ENTRANCE FRAMES ARE SET OR LEAVE A ROUGH OPENING 1'-3" WIDER AND 1'-3" HIGHER THAN THE FRAME OPENING, FOLLOW INSTALLATION PROCEDURES FOR FRAME TO WALL INTERFACE TO MAINTAIN LABELED CONSTRUCTION. FILL IN AROUND FRAMES AFTER THE FRAMES ARE SET IN PLACE.
- POCKETS IN CORRIDOR WALL (PER FIXTURE DRAWINGS) FOR ALL HALL FIXTURES.
NOTE: MUST BE LOCATED AS DIRECTED BY ELEVATOR CONTRACTOR.
- SMOKE SENSORS (AS REQUIRED).
- CONDUIT AND WIRING FROM HOISTWAY TO ELEVATOR MONITORING PANELS (FOR SECURITY, LIFE, SAFETY OR FIRE REQUIREMENTS).

RAIL FORCES		F ₁	F ₂
	LOADING OR UNLOADING	363 LB.	201 LB.
	SEE PAGE 6 OF 6 FOR SEISMIC RAIL FORCES		
MAXIMUM VERTICAL FORCE ON EACH GUIDE RAIL DUE TO SAFETY APPLICATION.		CAR	
		(A) 5,721 LBS.	

NOTE A: ALL REACTIONS INCLUDE ALLOWANCE FOR IMPACT.

NOTE B: [REDACTED] TO BE NOTIFIED OF ANY CHANGE TO ELEVATOR HOISTWAY OR MACHINE ROOM DESIGN PRIOR TO FABRICATION OF ELEVATOR EQUIPMENT.

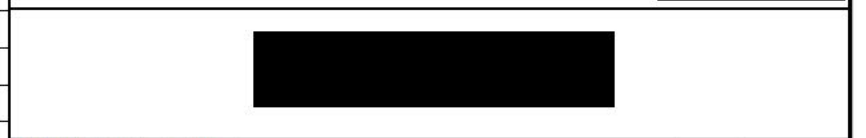
NOTE C: ELEVATOR DESIGN AND FABRICATION BASED ON ESTIMATED CAB WEIGHT SHOWN. LAYOUT APPROVAL WILL BE CONSTRUED AS FINAL CAB WEIGHT, UNLESS OTHERWISE NOTIFIED.

DATE	SYM.	REVISION	BY	CHKD

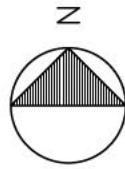
DO NOT SCALE THIS DRAWING

ELEVATOR CONTRACTOR	
[REDACTED]	
FOR:	[REDACTED]
ADDRESS:	[REDACTED]
CITY:	[REDACTED]
ARCHITECT:	[REDACTED]
GENERAL CONTRACTOR:	[REDACTED]
	EBS1013

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DRAWN	DATE	CHKD.	JOB NUMBER	REV.	SHEET NO.
[REDACTED]	10/23/20	[REDACTED]	[REDACTED]	(A)	1 OF 7

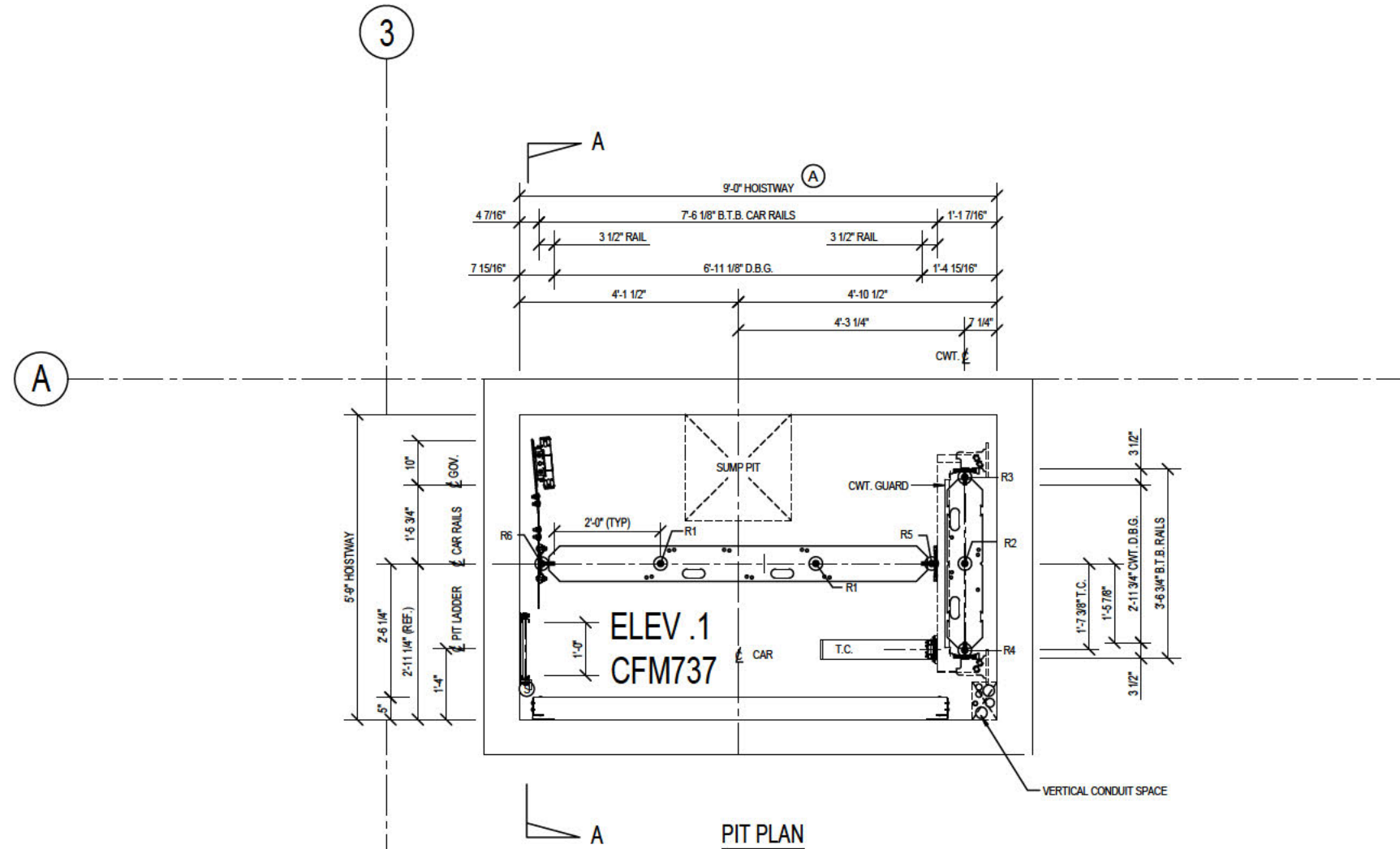


(A) PIT FLOOR REACTIONS

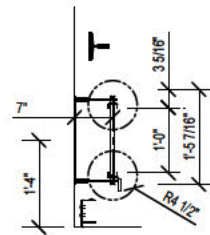
REACTION	STATIC WT. OF RAILS FOR 28'-0" TRAVEL	STATIC WT. OF MACHINE, BEDPLATE & DOUBLE THE TENSION IN THE BELTS	TOTAL PIT FLOOR REACTIONS
R3	690 LBS.	5,078 LBS.	5,768 LBS.
R4	690 LBS.	4,600 LBS.	5,290 LBS.
R5	690 LBS.	6,861 LBS.	7,551 LBS.
R6	690 LBS.	6,284 LBS.	6,974 LBS.

(A) BUFFER REACTIONS

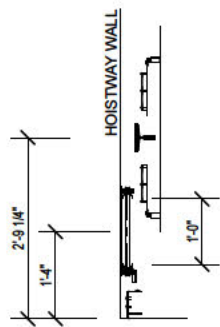
	200 F.P.M.
R1	12,450 LBS.
R2	18,900 LBS.



PIT PLAN

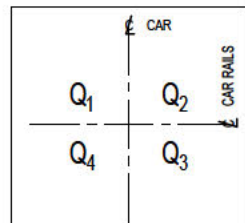


7" RETRACTABLE PIT LADDER BY TKE (ENGAGED)



NOTE 1:
7" RETRACTABLE PIT LADDER BY TKE. (RETRACTED)

- = VERTICAL CONDUIT SPACE
- = PIT LIGHT SWITCH
- = TRAVELING CABLE
- = DIST. BET. GUIDES
- = BACK TO BACK RAILS



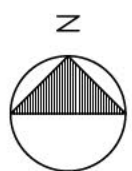
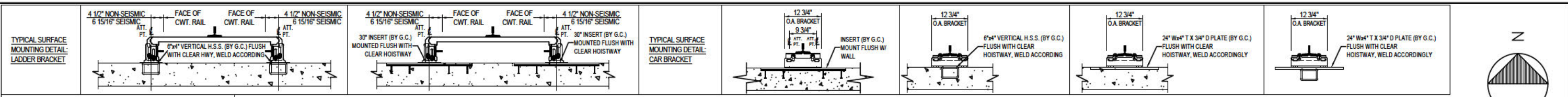
NOTE 1: THE 7" RETRACTABLE LADDER IS STANDARD WITH 2500 LB. CAPACITY. A NOTCH IN THE HOISTWAY WALL WILL BE REQUIRED WITH THE 4 1/2" NON-RETRACTABLE LADDER.
NOTE 2: IF DRYWALL CONSTRUCTION, INSTALL WALL AFTER ENTRANCE FRAMES ARE SET. IF CONCRETE OR MASONRY CONSTRUCTION, LEAVE ROUGH OPENING AS SPECIFIED.

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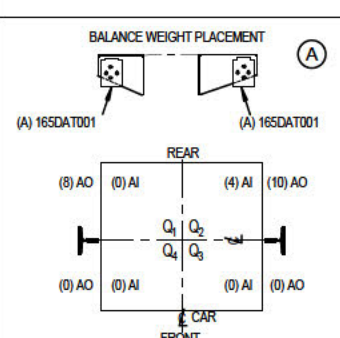
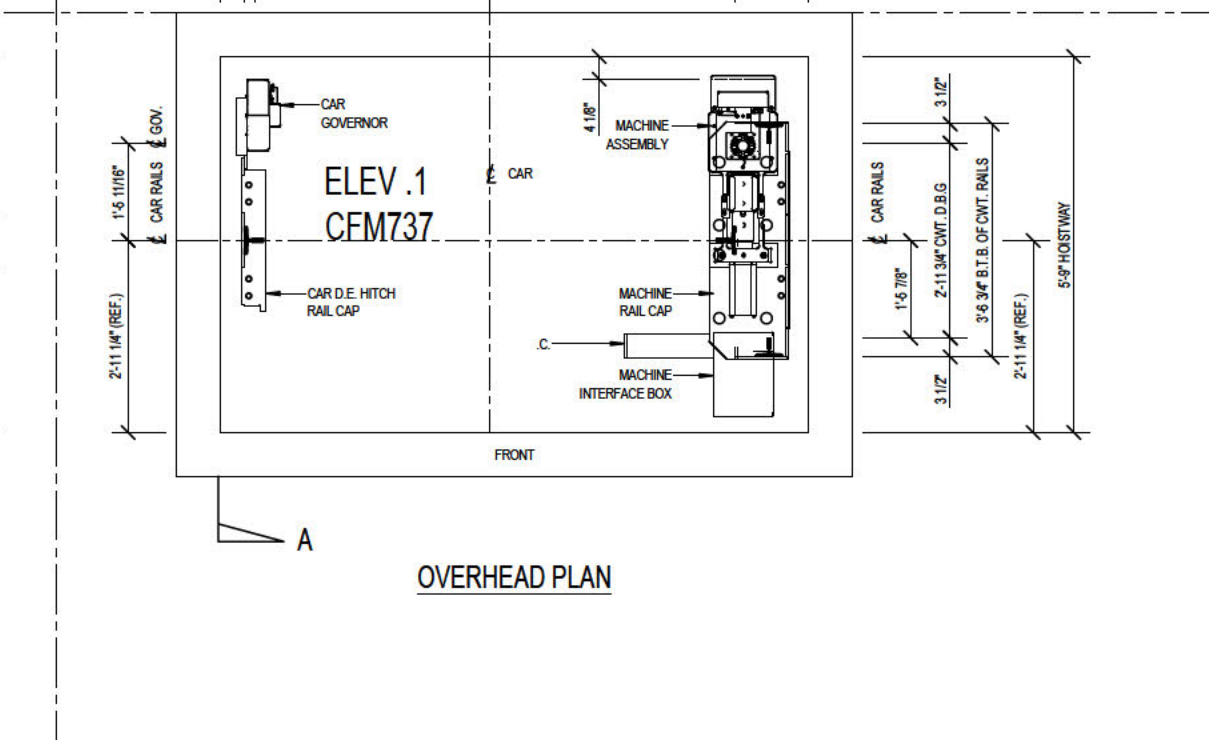
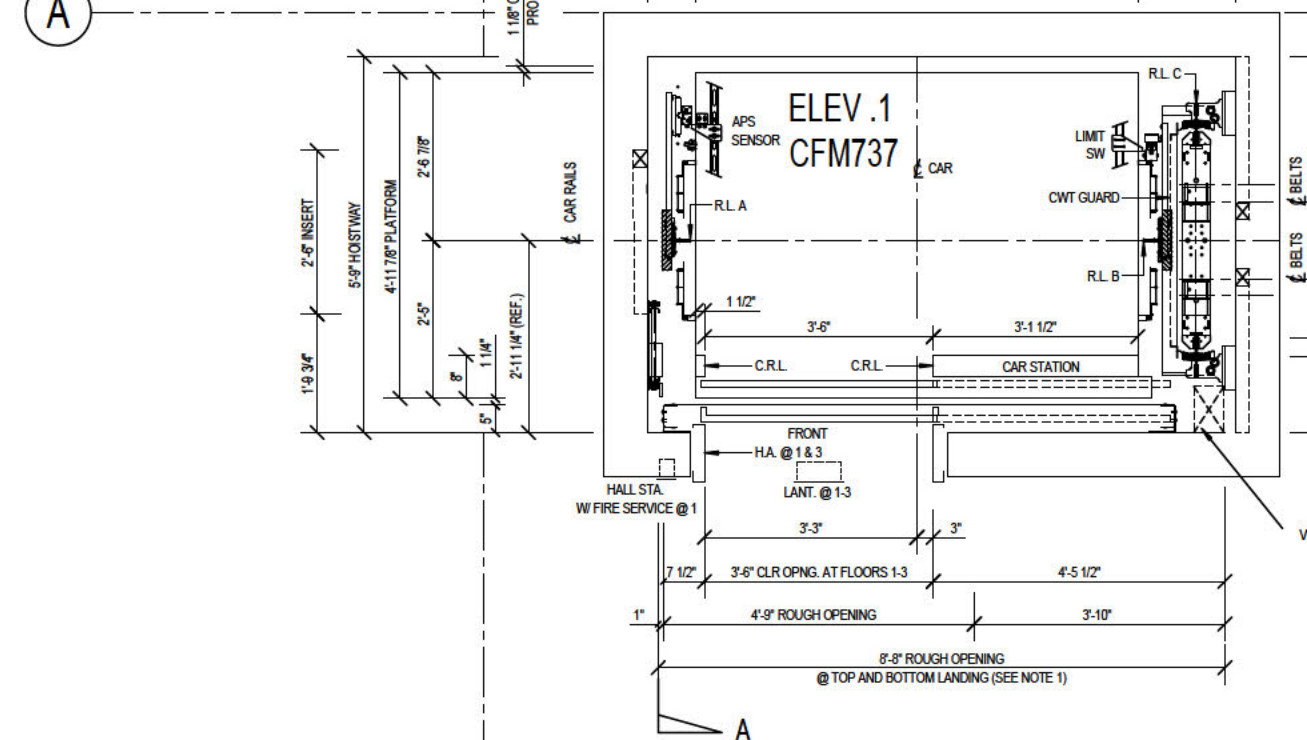
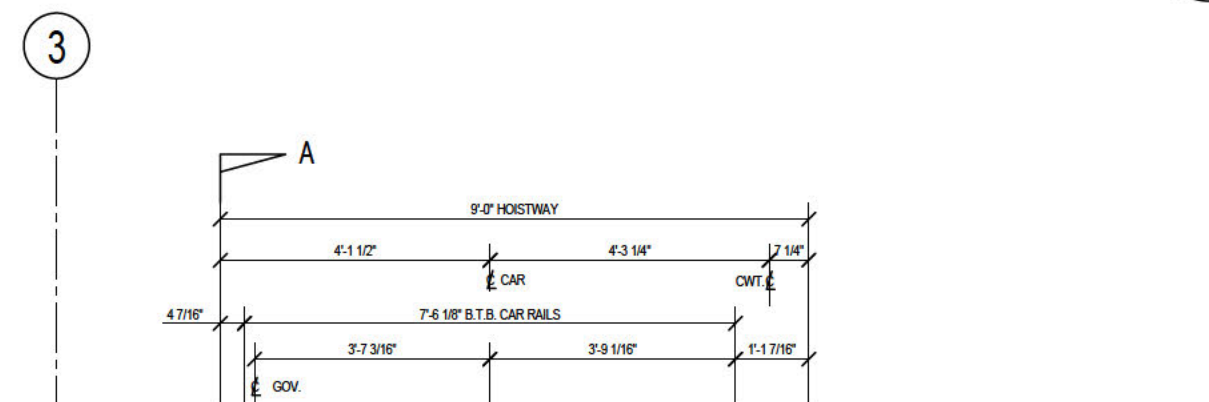
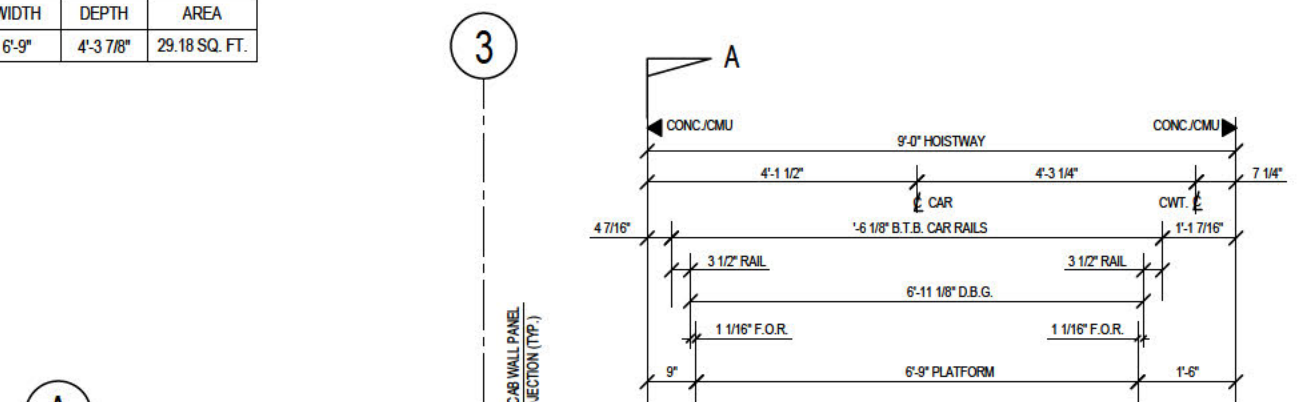
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CLEAR INSIDE DIMENSIONS

PANEL TYPE	WIDTH	DEPTH	AREA
STEEL SHELL	6'-9"	4'-3 7/8"	29.18 SQ. FT.



- = DUCT RISER ABV. LADDER
- ⊙ = PIT LIGHT SWITCH
- ▶ = RAIL BRACKET MOUNTING SURFACE
- H.S. = HALL STATION
- D.B.G. = DIST. BET. GUIDES
- B.T.B. = BACK TO BACK RAILS
- F.O.R. = FACE OF RAIL
- RL. = RAIL LINE

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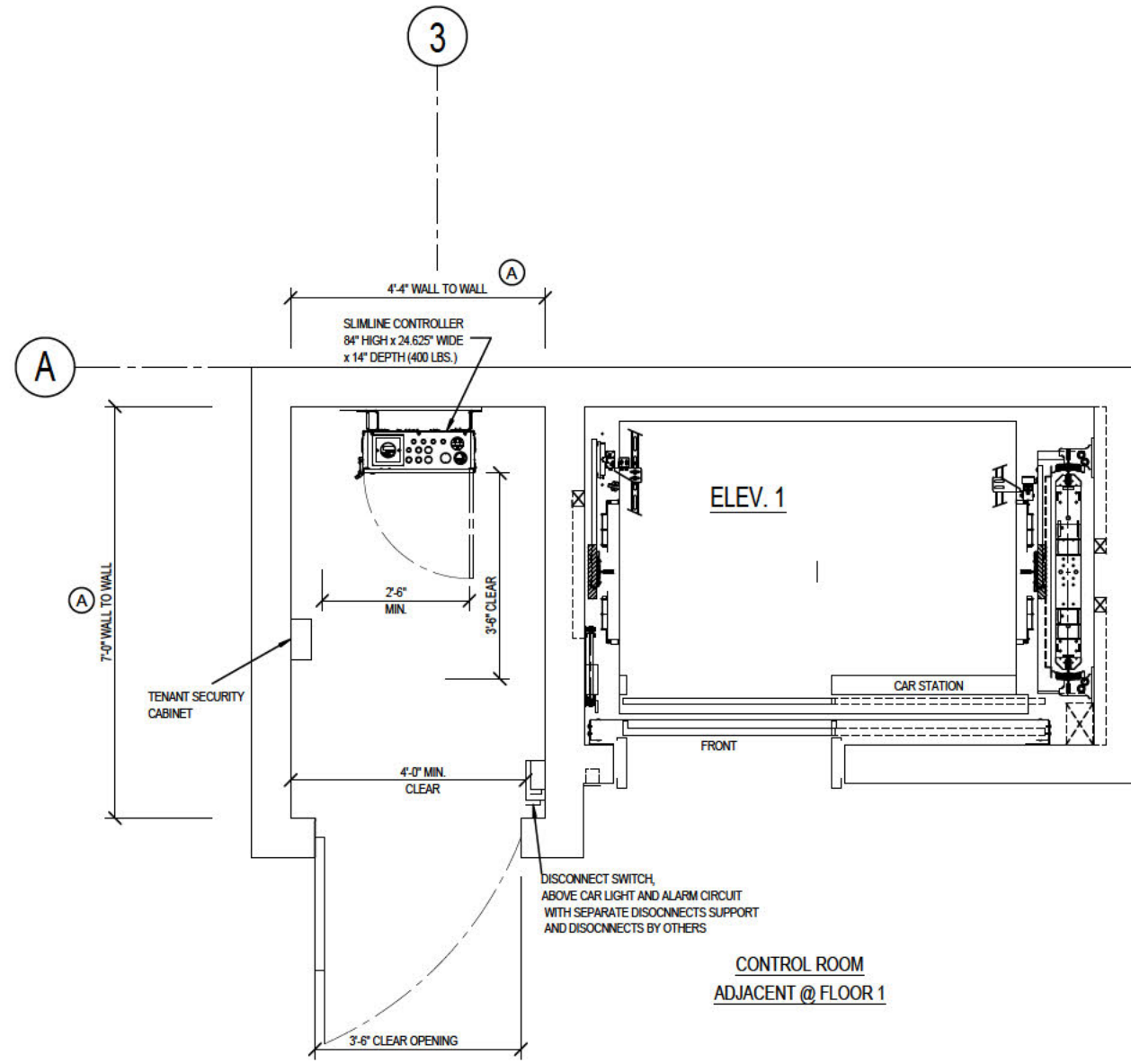
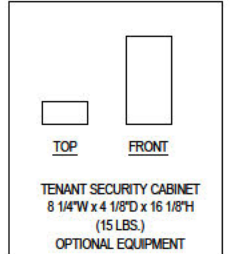
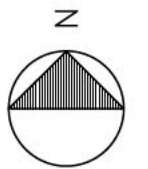
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[REDACTED]	10/23/20	[REDACTED]	[REDACTED]	(A)	3 OF 6

NOTE 1: LEAVE A ROUGH OPENING FROM SIDE WALL TO SIDE WALL WITH A HEADER SUPPORT (TO WITHSTAND 500 LBS) AT A MINIMUM OF 1'-3" & MAXIMUM OF 2'-0" ABOVE THE CLEAR OPENING HEIGHT AT THE TOP & BOTTOM / MAIN LANDINGS.

NOTE 2: IF DRYWALL CONSTRUCTION, INSTALL WALL AFTER ENTRANCE FRAMES ARE SET. IF CONCRETE OR MASONRY CONSTRUCTION, LEAVE ROUGH OPENING AS SPECIFIED.

NOTE 1: PREFERABLY THE CONTROL ROOM SHOULD BE LOCATED AT THE TOP LANDING AND THE MAX DIST. OF CONDUIT RUN FROM CONTROLLER TO MACHINE IS 150'.
 NOTE 2: 6" WIDE X 6" HIGH ELECTRICAL RACEWAYS REQUIRED. LOCATION IS DETERMINED BY RELATIONSHIP BETWEEN CONTROLLER CLOSET AND HOISTWAY. FINAL LOCATION TO BE VERIFIED WITH THYSSENKRUPP FIELD SUPER INTENDENT.
 NOTE 3: DISCONNECT SWITCH ARE BY OTHERS, FURNISHED WITH AUXILIARY CONTACTS.
 NOTE 4: TEMPERATURE RANGE (32° F MIN., 104° F MAX.), 10% - 95% NON-CONDENSING RELATIVE HUMIDITY.
 NOTE 5: 8'-6" MIN. CEILING HEIGHT.
 NOTE 6: HEAT LOAD IS BASED ON A FULLY LOADED CAR IN CONTINUOUS OPERATION RUNNING AT AN AVERAGE DUTY CYCLE OF 35%.
 NOTE 7: HEAT LOAD ARE SUBJECT TO CHANGE DEPENDING ON CAPACITY, SPEED, DRIVE HP, TRANSFORMER, REGEN TYPE.
 NOTE 8: THE STANDARD CONFIGURATION IS WITHOUT A TRANSFORMER. A TRANSFORMER IS OPTIONAL IF THE BUILDING VOLTAGE IS 208, 240, OR 480VAC. HOWEVER, PLEASE NOTE THAT THERE ARE 3 SPECIAL CONDITIONS WHERE A TRANSFORMER IS ALWAYS REQUIRED FOR THIS SYSTEM:
 1.) IF THE BUILDING VOLTAGE IS 575VAC
 2.) IF THE JOB SPECIFICATION CALLS FOR A TRANSFORMER
 AN ISOLATION TRANSFORMER WILL BE REQUIRED EXCEPT FOR THE FOLLOWING CONDITIONS:
 A.) 460/480 BUILDING SUPPLY VOLTAGE
 B.) 208/240 BUILDING SUPPLY VOLTAGE AND WITH A CAPACITY NOT EXCEEDING 3500 LBS; AND SPEED NOT EXCEEDING 200 FPM.
 IN THE CASE OF ANY CAPACITY GREATER THAN 3500 LBS. WITH A SPEED OF 200 FPM., THERE IS NO LOW VOLTAGE OPTION AVAILABLE.
 NOTE 9: FOR A CONTROL CLOSET, A 7'-0" MIN. CLEAR OPENING DOOR HEIGHT IS REQUIRED TO MEET CODE CLEARANCES & PROVIDE ADEQUATE SPACE TO OPEN THE CONTROLLER DOOR. (CONTROL CLOSETS ARE NOT SHOWN.)

TOTAL HEAT LOAD IN CONTROL ROOM: 890 B.T.U/HR



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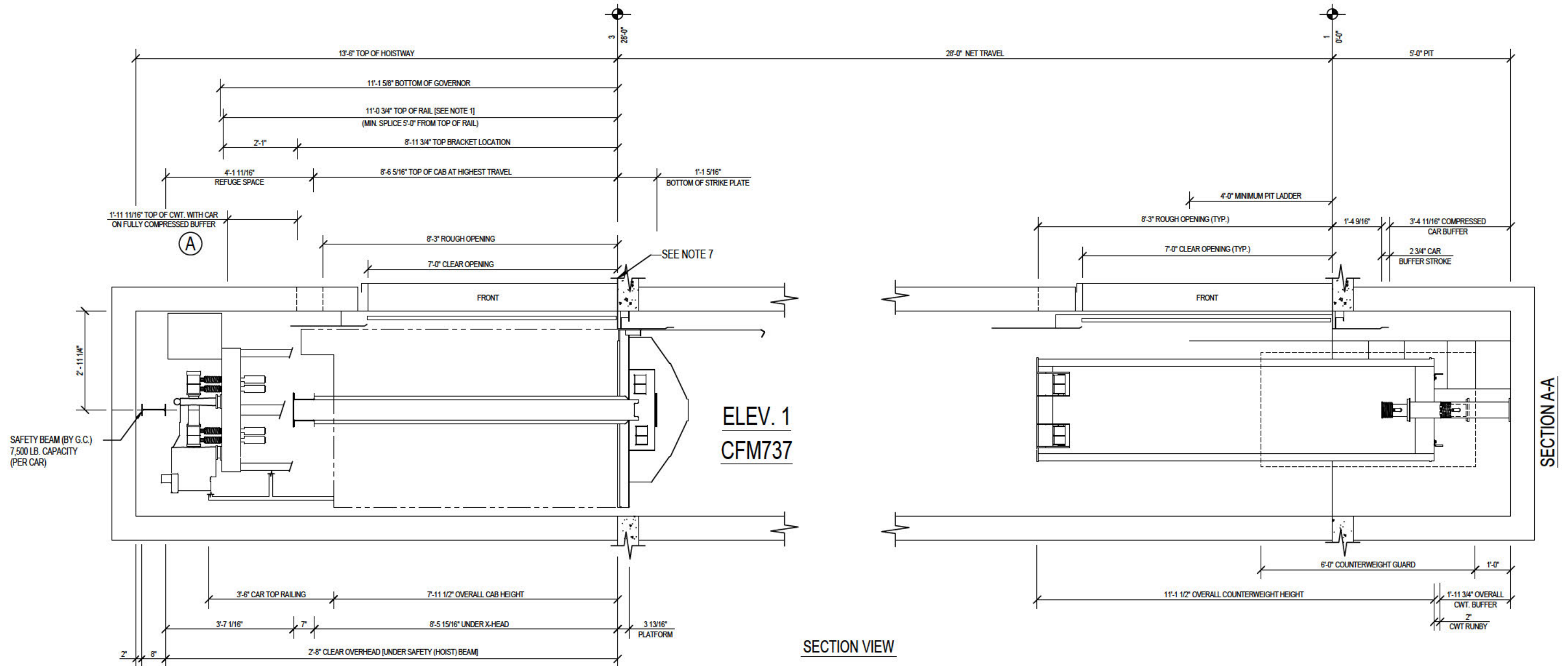
NOTE 1: LEAVE OFF THE ENTIRE WALL AT THE TOP AND BOTTOM (TERMINAL) LANDINGS FOR FRAME AND CONTROLLER INSTALLATION.
 NOTE 2: IF DRYWALL CONSTRUCTION, INSTALL WALL AFTER ENTRANCE FRAMES ARE SET. IF CONCRETE OR MASONRY CONSTRUCTION, LEAVE ROUGH OPENING AS SPECIFIED.
 NOTE 3: THE TOP OF RAILS SHOULD ALWAYS HAVE A FLAT SURFACE FOR LOCATING THE RAIL CAPS AND THE BOTTOM STARTER RAIL SHOULD ALSO HAVE A FLAT SURFACE AT THE PIT FLOOR.
 NOTE 4: PLACE CAVITY FILLERS INTO THE BOTTOM OF CWT. FRAME PRIOR TO STACKING FILLERS. SEE DATA SHEET FOR CAVITY FILLER QUANTITY.
 NOTE 5: MAXIMUM DESIGNED FINISHED FLOORING IS 3/4".
 NOTE 6: IF THE CONTROLLER IS JAMB MOUNTED AT TOP LANDING, THE TOTAL HEAT LOAD IN THE HOISTWAY IS THE SUM OF THE HEAT LOAD CAUSED BY THE MACHINE AND THE CONTROLLER.
 NOTE 7: WOOD WORK DECK AT TOP LANDING FOR INSTALLATION IS REQUIRED (BY GENERAL CONTRACTOR).

TOTAL HEAT LOAD IN OVERHEAD:

2,979 B.T.U./HR

MAXIMUM DESIGNED COUNTERWEIGHT RUNBY OF 2"

NOTE: LEAVE A ROUGH OPENING FROM SIDE WALL TO SIDE WALL WITH A HEADER SUPPORT (TO WITHSTAND 500 LBS) AT A MINIMUM OF 1'-3" & MAXIMUM OF 2'-0" ABOVE THE CLEAR OPENING HEIGHT AT THE TOP & BOTTOM / MAIN LANDINGS.



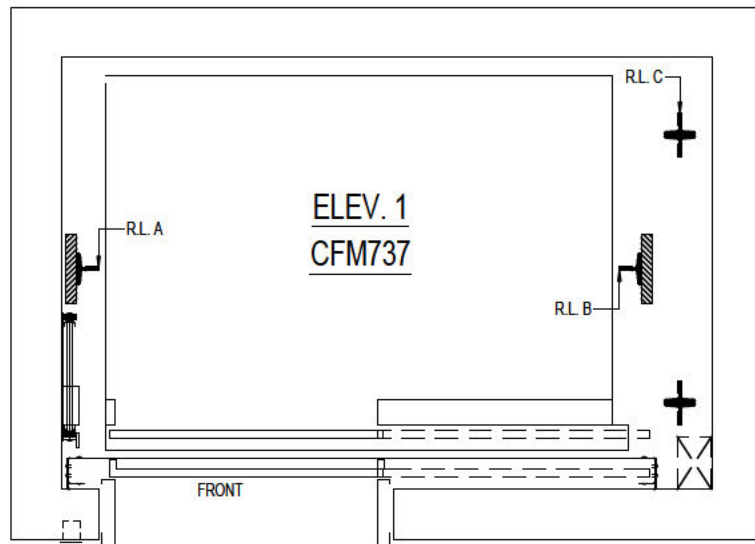
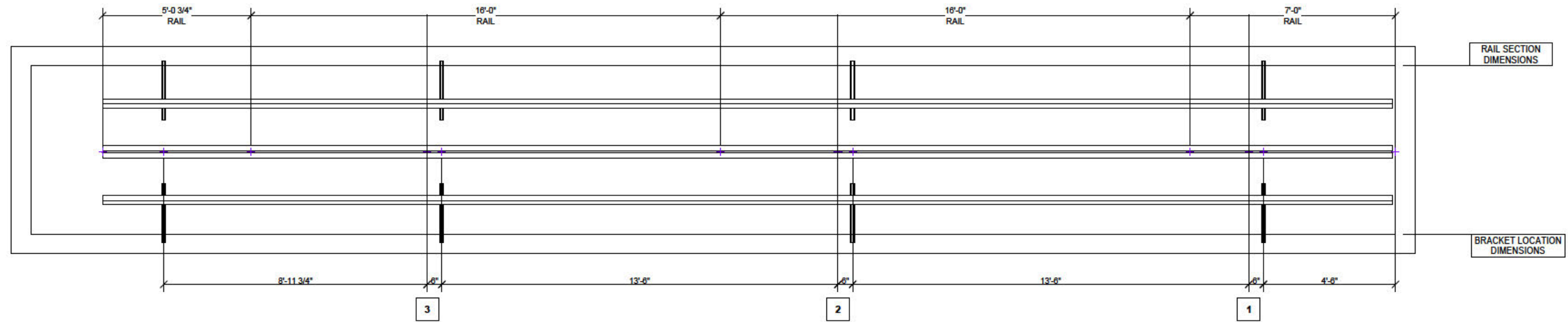
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[REDACTED]	10/23/20	[REDACTED]	[REDACTED]	(A)	5 OF 6

WHERE BRACKET SPACING WILL EXCEED THE MAXIMUM BRACKET SPAN DUE TO BUILDING STRUCTURE, VERTICAL TUBE STEEL WILL NEED TO BE SUPPLIED BY OTHERS TO ALLOW FOR RAIL ATTACHMENT. INSIDE FACE OF TUBE STEEL SHALL NOT BE RECESSED BEHIND WALL SYSTEM AND SHALL NOT BE PROUD BY MORE THAN 1/4" AT ANY POINT. COORDINATE WITH [REDACTED] Supt./OPERATIONS MANAGER

IF A CUT STARTER RAIL IS CALLED FOR IN THE STACK, CONFIRM THE NUMBER OF SPLICES PRIOR TO CUTTING



CAR RAIL LINES A & B LENGTH QUANTITY (8)	
LENGTH	QUANTITY
16'-0"	4
5'-0 3/4"	2
7'-0"	2

FLOOR TO FLOOR TRAVEL	
FLOOR TO FLOOR	TRAVEL
2-3	14'-0"
1-2	14'-0"
NET TRAVEL	28'-0"

CAR & CWT RAIL LINE BRACKETS AND INSERT LOCATIONS REQ. AT :	
LOCATION	DESCRIPTION
16'-0"	MAX. UNSUPPORTED RAIL BRACKET SPACING
8'-11 3/4"	ABOVE TOP FLOOR
6"	BELOW 1-3

CWT RAIL LINES C LENGTH QUANTITY (8)	
LENGTH	QUANTITY
16'-0"	4
5'-0 3/4"	2
7'-0"	2

IBC PARAMETERS				
DESIGN CATEGORY	IMPORTANCE FACTOR	SDS	BASE ELEVATION	AVG. BUILDING HEIGHT
D	1.0	0.443	-5'-0"	45'-0"

IBC SEISMIC RESULTS FOR RAIL FORCES						
FLOOR	ELEVATION	F1 RAIL FORCE		F2 RAIL FORCE		MAX. UNSUPPORTED RAIL BRACKET SPACING
		CAR	CWT.	CAR	CWT.	
1	0'-0"	373 LBS.	384 LBS.	186 LBS.	192 LBS.	16'-0"
2	14'-0"	373 LBS.	384 LBS.	186 LBS.	192 LBS.	16'-0"
3	28'-0"	504 LBS.	516 LBS.	250 LBS.	258 LBS.	16'-0"

DATE	SYM.	REVISION	BY	CHKD.

FOR: [REDACTED]

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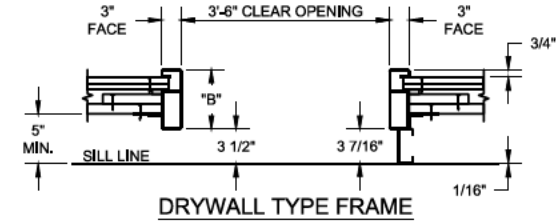
DRAWN	DATE	CHKD.	JOB NUMBER	REV.	SHEET NO.
[REDACTED]	10/23/20	-	[REDACTED]	(A)	6 OF 6

NOTES

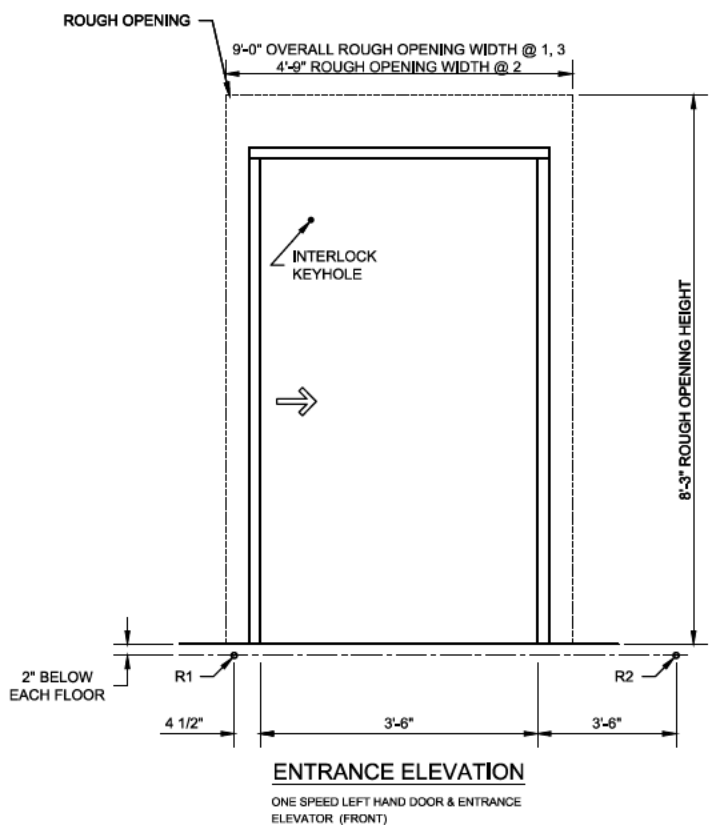
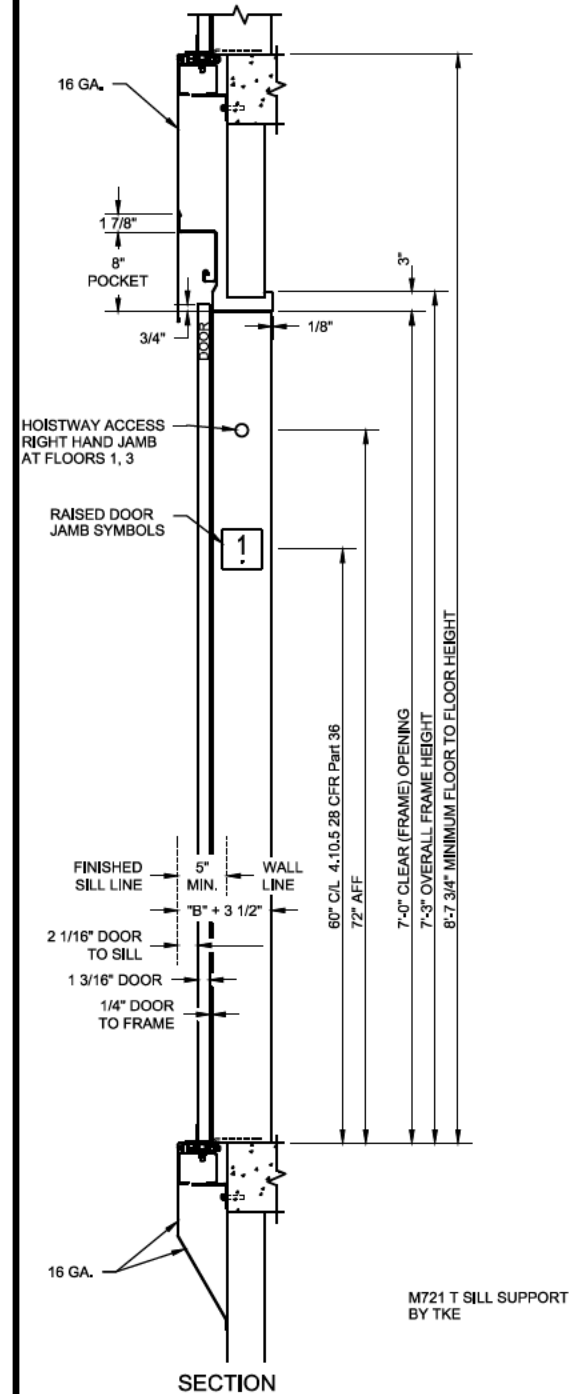
THIS FRAME HAS A 2 HOUR WARNOCK HERSEY LABEL.

GC NOTE:
GENERAL CONTRACTOR RESPONSIBLE FOR HOISTWAY REINFORCING AT FLOOR SLAB BEFORE INSTALLATION OF ENTRANCE FRAMES. MINIMUM OF 4" HIGH x 8" WIDE REINFORCED CONCRETE, REINFORCED FILLED BLOCK, WOOD OR STEEL BEAMS AT THE WALL LINE ON EACH SIDE OF OPENING REQUIRED FOR ANCHORING SILL SUPPORT ASSEMBLY. REINFORCING TO BE LOCATED WITH RESPECT TO REACTION POINTS. REFERENCE INSTALLATION DRAWINGS 494JT, AND 494JV ARE AVAILABLE UPON REQUEST.

REACTIONS (LBS.) DUE TO LOADS ON DOOR PANELS. APPROX. HORIZ. LOADS AND LOCATIONS TO BUILDING SHOWN PER ASME A17.1, PART II. THE SPECIFIED LOADS ARE CONSIDERED IMPACTED.



GRAIN TO RUN THE LENGTH OF THE PART UNLESS OTHERWISE NOTED



TOTAL WEIGHT OF CAR DOOR & HALL DOOR = 306 LBS.

REACTIONS (LBS.)	
R1	601
R2	243

ENTRANCE ELEVATION
ONE SPEED LEFT HAND DOOR & ENTRANCE ELEVATOR (FRONT)

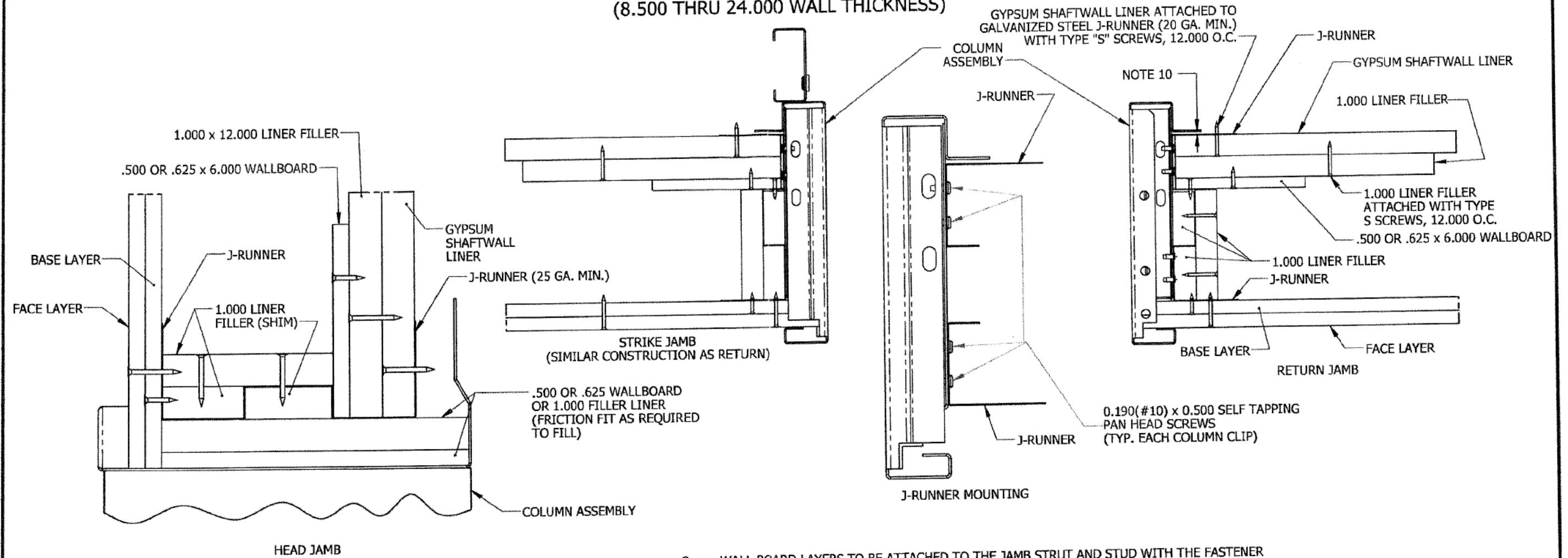
P/C=POWDER COAT=F-112 BLACK

FLOOR		WALL TYPE		WALL SIZE (FRONT)		WALL SIZE (REAR)		OPENINGS AT		FRAME FINISH		DOOR FINISH		SILL TYPE		WHEEL LOAD		MISC.	
FRONT	REAR	FRONT	REAR	ACTUAL	OVERALL FRAME "B" DIM.	ACTUAL	OVERALL FRAME "B" DIM.	FRONT (QTY)	REAR (QTY)	FRONT	REAR	FRONT	REAR	FRONT	REAR	FRONT	REAR	FRONT	REAR
1-3		DRYWALL		6 5/8"	8 7/8"			3		P/C		P/C		ALUMINUM		625			

FINAL

DATE	REV.	REVISION	BY
DESIGNED PER ASME A17.1		DO NOT SCALE THIS DRAWING	
FOR		ELEV # 1	
ADDRESS			
CITY			
ARCHITECT			
GENERAL CONTRACTOR			
ELEVATOR CONTRACTOR			
<small>This drawing and all information thereon is the proprietary property of [redacted] and must not be made public or copied. This drawing is loaned subject to return on demand and is not to be used directly or indirectly in any manner detrimental to the interest of [redacted].</small>			
[redacted]		ASAP	844437
BY	DATE	BRANCH	JOB NUMBER
	11/01/20		
DRAWING NO.		REV. SHEET NO.	
		1 OF 1	

2 HOUR FIRE RATED SHAFTWALL SHOWN, SEE NOTE 9 FOR 1 HOUR OPTION
(8.500 THRU 24.000 WALL THICKNESS)



TYPICAL NOTES FOR ALL WALL OPTIONS:

1. UL FIRE RESISTANCE HOISTWAY WALL DESIGN FOR WALL RATING UP TO 2 HOURS.
2. FOR ELEVATOR DOOR FRAMING WALL DESIGN AND MATERIAL, REFER TO SPECIFIED UL CONSTRUCTION DETAILS.
3. ENTRANCE LABEL UP TO 2 HOURS MAXIMUM.
4. UNLESS OTHERWISE SPECIFIED, ALL MATERIALS AND LABOR RELATING TO HOISTWAY WALL AND INSTALLATION ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND NOT THE ELEVATOR SUPPLIER. THIS INCLUDES, BUT IS NOT LIMITED TO, STEEL OR WOOD STUDS, J-RUNNERS, CH STUDS, SHAFTWALL LINER, WALLBOARD LAYERS (TYPE X OR C), FILLERS AND FASTENERS.
5. THEE DOOR AND FRAME WILL CARRY A 1 1/2 OR 2 HOUR FIRE LABEL FROM AN APPROVED TESTING FACILITY WICH WILL MEET OR EXCEED THE MINIMUM REQUIRED BY THE LOCAL BUILDING CODE.
6. **FOR CLEAR DOOR OPENING HEIGHTS 7 FEET OR LESS:**
FILLERS AND STRIPS / SHIMS ARE NOT REQUIRED PER SPECIFIED UL CONSTRUCTION
7. FOR CLEAR DOOR OPENING HEIGHTS OVER 7 FEET (SHAFTWALL CONSTRUCTION ONLY):
LINER FILLER - ATTACH 1.000 X 12.000 WIDE WALLBOARD TO SHAFTWALL LINER WITH 1.625 TYPE S STEEL SCREWS STAGGERED 12.000 O.C.
FILLER STRIPS - ATTACH .500 OR .625 X 6.000 WIDE WALLBOARD LINER FILLER TO SHAFTWALL LINER WITH TYPE W STEEL SCREWS STAGGERED 12.000 O.C.
FILL JAMB STRUT WITH HEADER COMPLETELY (WITHIN .188) WITH LAYERS AND THICKNESSES AS REQUIRED TO MEET UL DESIGN.

8. WALL BOARD LAYERS TO BE ATTACHED TO THE JAMB STRUT AND STUD WITH THE FASTENER TYPE, LENGTHS, LOCATION AND SPACING IN ACCORDANCE WITH THE SPECIFIED UL DESIGN (WALL BOARD THICKNESS PER SPECIFIED UL DESIGN). SEE CHART BELOW FOR WALL SYSTEM CONFIGURATION OPTIONS:

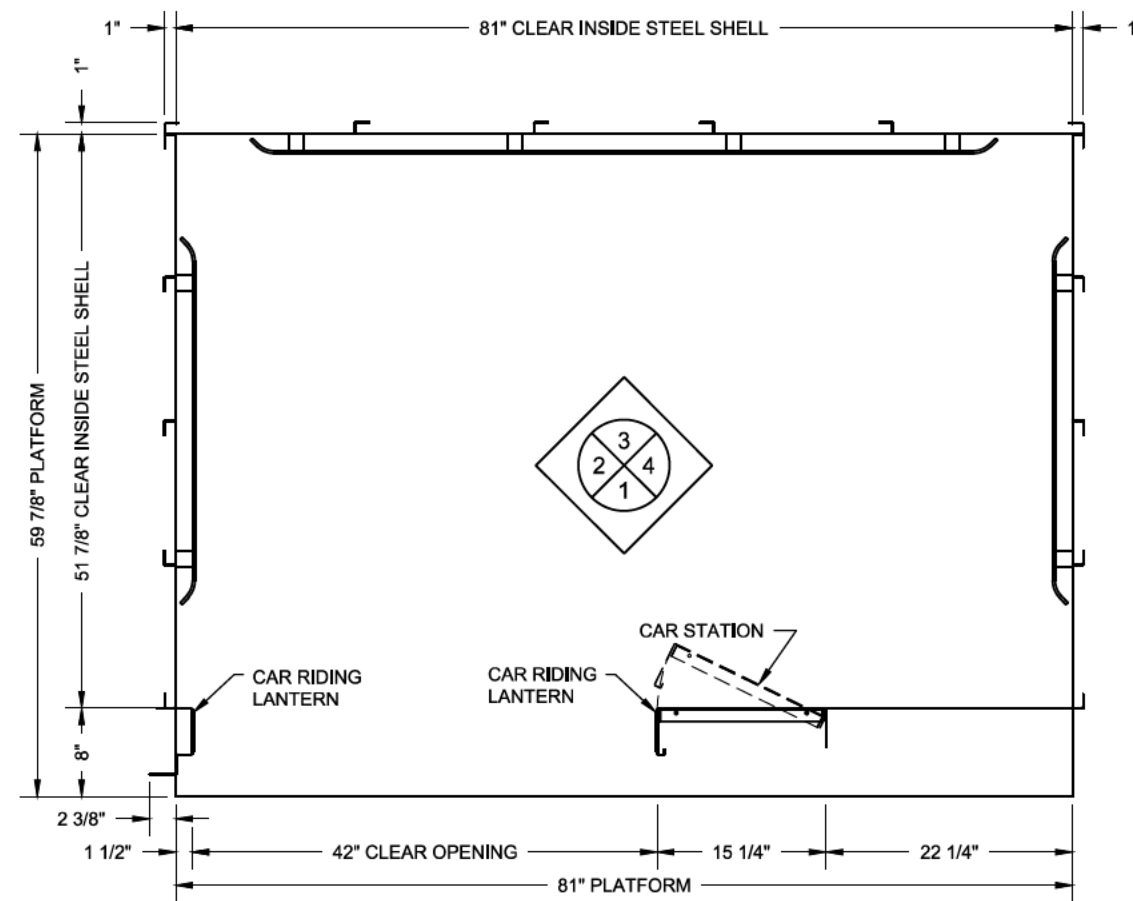
OPTION	SHAFTWALL LINER	FACE LAYER	BASE LAYER	MAXIMUM FIRE RATING
1	1.000 TYPE X	.500 OR .625 TYPE X OR C	.500 OR .625 TYPE X OR C	2 HOUR
2	.750 TYPE X	.625 TYPE X OR C	.625 TYPE X OR C	2 HOUR
3	.500 OR .625 TYPE X OR C (2 LAYERS)	.500 OR .625 TYPE X OR C	.500 OR .625 TYPE X OR C	2 HOUR
4	.625 TYPE X (2 LAYERS)	.625 TYPE X OR C	.625 TYPE X OR C	2 HOUR
5	1.000 TYPE X	.750 TYPE X OR C	N/A	2 HOUR

9. FOR WALLS WITH LESS THAN 2 HOURS RATING, ELIMINATE THE BASE LAYER OPTION.
10. THE SHAFT WALL LINER TO JAMB THROAT GAP TO BE .188 OR LESS. IF LARGER GAP EXISTS, FILL GAP WITH ADDITIONAL WALLBOARD X 6.000 WIDE. ATTACH ADDITIONAL LAYERS TO J-RUNNER OR STUD USING UL SPECIFIED STEEL SCREWS 12.000 O.C.

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ALL DIMS: IN INCHES		INSTRUCTIONS, INSTALLATION, HOISTWAY ENTRANCE FRAME, DRYWALL.	
GENERAL TOLERANCES DECIMAL: ±.030		DWN. [redacted]	CKD. [redacted]
ANGLES SHEAR / PUNCH: ± 0.5° FORMING: ±2°		ENG. [redacted]	DATE 3/15/2001
THIRD ANGLE (ANSI STD.) PROJ.		FINISH [redacted]	PARAMETRIC? No
REV. [redacted]	ECO NO. 206840	DATE 4/21/2014	BY [redacted]
UNLESS SHOWN OTHERWISE.		THIS DRAWING WAS CAD GENERATED. DO NOT SCALE. SEE PRODUCT DEVELOPMENT FOR CHANGES.	

SHEET 2 OF 7



STEEL CAB DESIGN
ONE SPEED LEFT HAND DOOR AT FRONT

NOTES

CAB WALLS
16 GAUGE STEEL SHEEL PAINTED POWDER COAT F-112 BLACK, SOUND DEADENING SHEETS PROVIDED.

CAB TOP
14 GAUGE STEEL TOP, REINFORCED TO COMPLY WITH ASME A17.1 CODE. THE EXTERIOR IS PRIMED AND THE INTERIOR IS PAINTED F-114 REFLECTIVE WHITE.

SUSPENDED CEILING
THE FRAME IS AN ALL WELDED ONE PIECE CONSTRUCTION. PAINTED POWDER COATED F-112 BLACK. THE CEILING CONSISTS OF WHITE TRANSLUCENT PLASTIC PANELS AS REQUIRED.

LIGHTING
LIGHTING DIFFUSED THROUGH A CLOSED WHITE TRANSLUCENT PLASTIC GRID.

FRONT RETURN AND TRANSOM
WRAP AROUND SWING. STAINLESS STEEL W/ #4 BRUSH FINISH

CAB DOORS
16 GAUGE HOLLOW METAL REINFORCED AND DRILLED FOR DOOR OPERATOR. INTERIOR IS STAINLESS STEEL W/ #4 BRUSH FINISH.

CAB BASE
STAINLESS STEEL W/ #4 BRUSH FINISH

HANDRAILS
1/4" X 2" STAINLESS STEEL #4 CONTINUOUS BAR(300 SERIES).

BUMPER RAILS
1/4" X 6" STAINLESS STEEL #4 CONTINUOUS BAR(300 SERIES).

FAN
TWO SPEED EXHAUST.

EMERGENCY EXIT
TOP EMERGENCY EXIT PROVIDED WITH CARTOP EXIT SWITCH. TOP EXIT TO BE EQUIPPED WITH A 5-PIN LOCK.

PROTECTION PADS
PROTECTION PADS TO BE SUPPLIED WITH HOOKS.

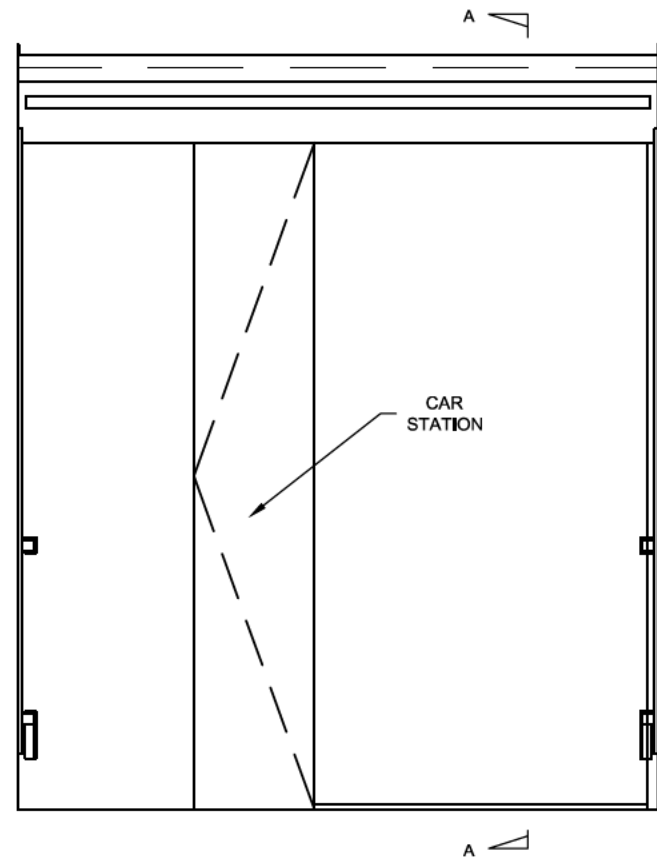
CAB SILL
EXTRUDED ALUMINUM.

CAB FLOORING
FLOORING BY OTHERS.

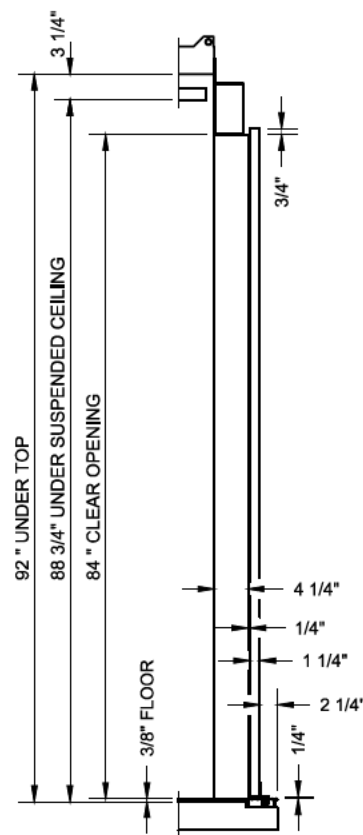
GRAIN TO RUN THE LENGTH OF THE PART UNLESS OTHERWISE NOTED

FINAL

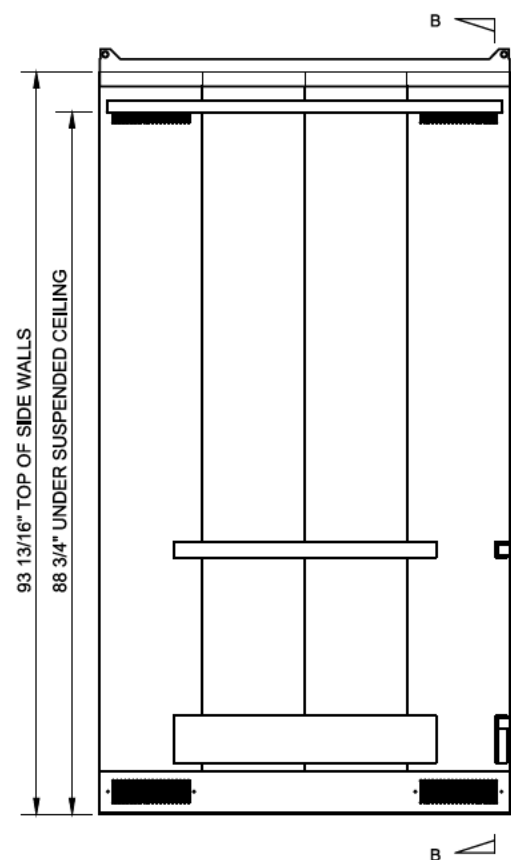
DATE	SYM.	REVISION	BY
DESIGNED PER ASME A17.1		DO NOT SCALE THIS DRAWING	
FOR:	ELEV # 1		
ADDRESS:			
CITY:			
ARCHITECT:			
GENERAL CONTRACTOR:			
ELEVATOR CONTRACTOR:			
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[redacted]		Field	844437
CAB			
DWN	DATE	BRANCH	JOB NUMBER
	11/01/20		
DRAWING NO.	REV.	SHEET NO.	
		1 OF 3	



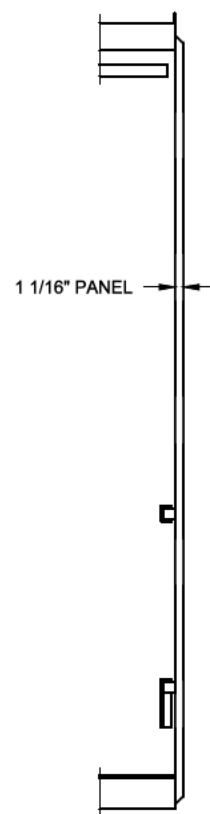
ELEVATION 1



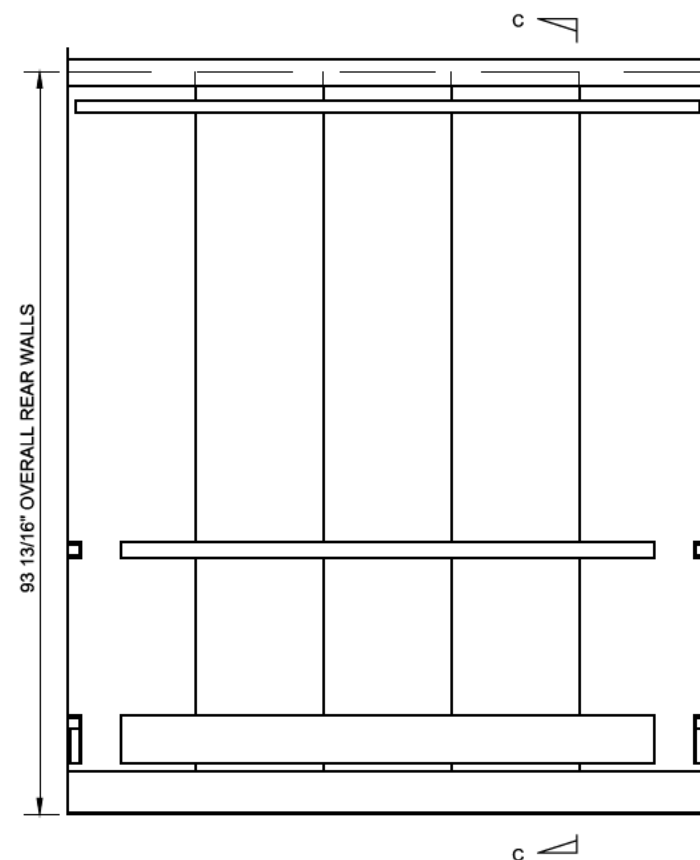
SECTION A-A



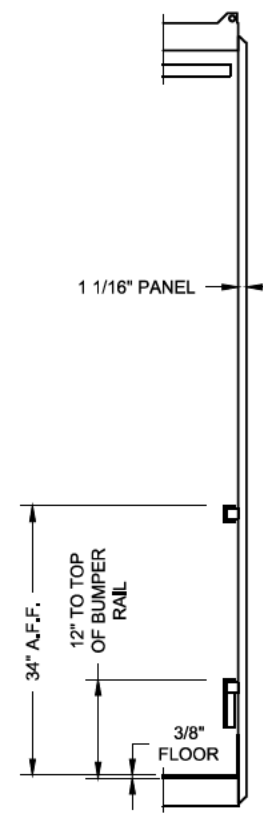
ELEVATION 2 & 4
RIGHT SIDE SHOWN
LEFT SIDE OPPOSITE



SECTION B-B



ELEVATION 3



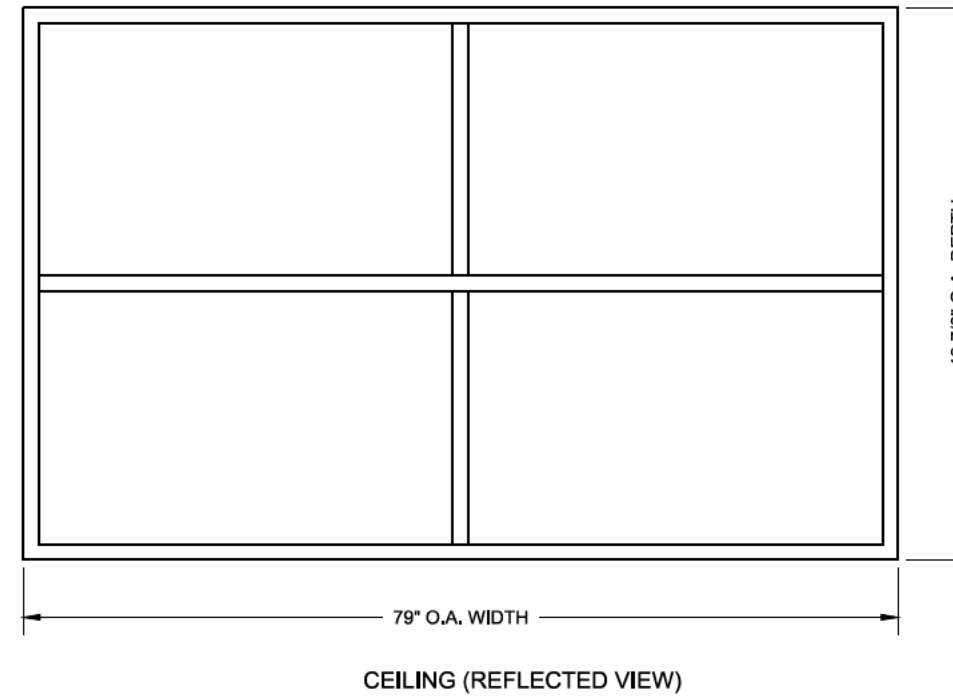
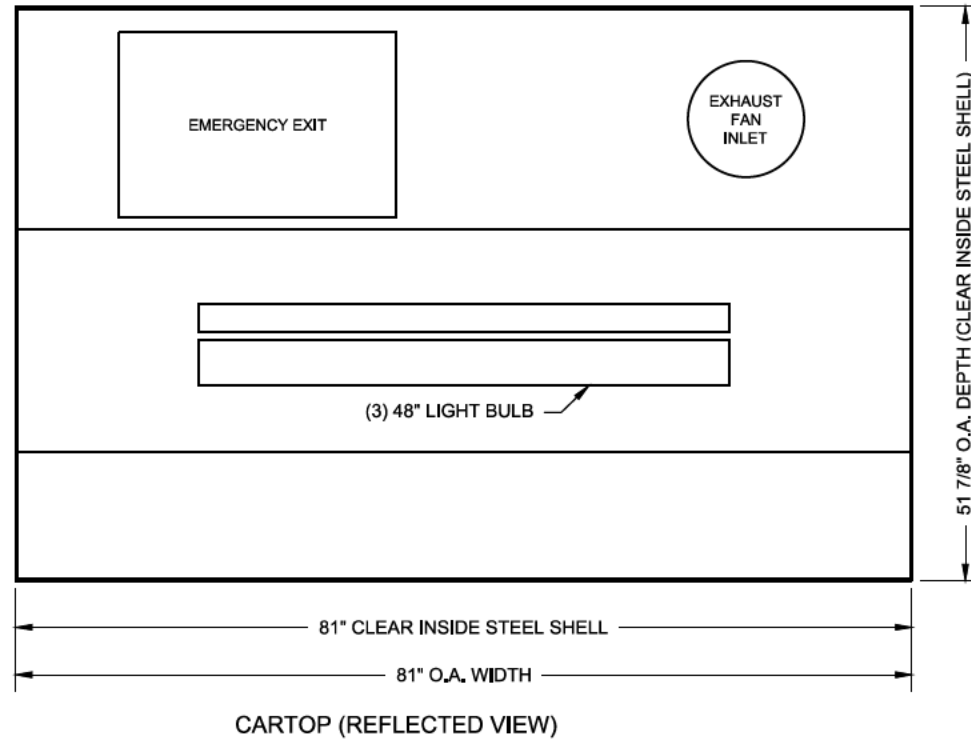
SECTION C-C

GRAIN TO RUN THE LENGTH OF THE PART UNLESS OTHERWISE NOTED

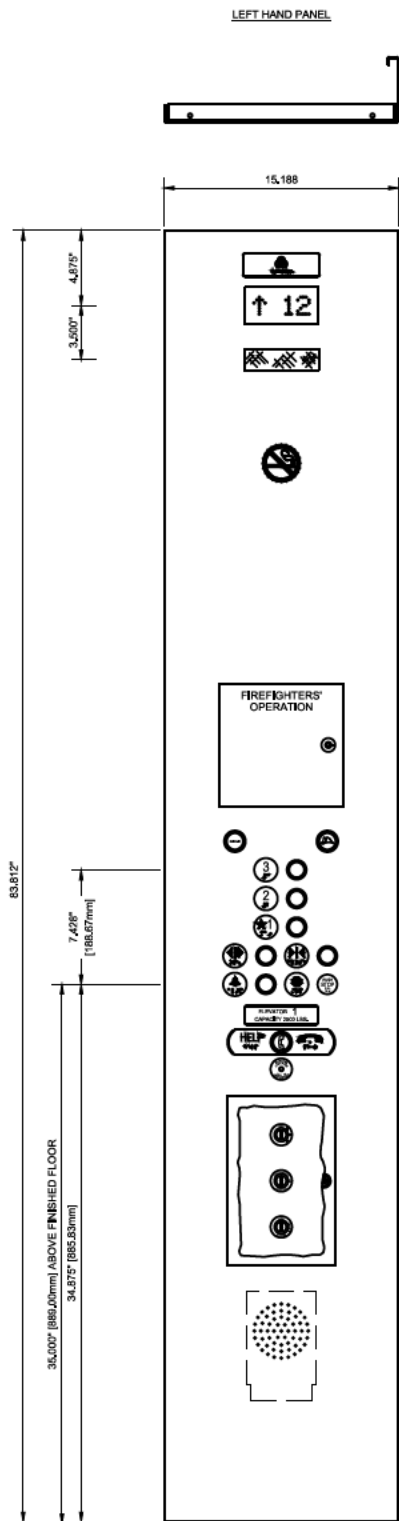
VENTILATION AS REQUIRED PER ASME A17.1 CODE

DATE	SYM.	REVISION	BY
DESIGNED PER ASME A17.1		DO NOT SCALE THIS DRAWING	
FOR:		ELEV # 1	
ADDRESS:			
CITY:			
ARCHITECT:			
GENERAL:			
ELEVATOR CONTRACTOR:			
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		Field 844437	
CAB			
DWN	DATE	BRANCH	JOB NUMBER
	11/01/20		
DRAWING NO.		REV.	SHEET NO.
			2 OF 3

GRAIN TO RUN THE LENGTH
OF THE PART UNLESS OTHERWISE NOTED



DATE	SYM.	REVISION	BY
DESIGNED PER ASME A17.1		DO NOT SCALE THIS DRAWING	
FOR:	ELEV # 1		
ADDRESS:			
CITY:			
ARCHITECT:			
GENERAL CONTRACTOR:			
ELEVATOR CONTRACTOR:			
This drawing and all information thereon is the proprietary property of [redacted] and must not be made public or copied. This drawing is loaned subject to return on demand and is not to be used directly or indirectly in any manner detrimental to the interest of [redacted].			
			Field 844437
CAB			
DWN	DATE	BRANCH	JOB NUMBER
	11/01/20		
DRAWING NO.	REV	SHEET NO.	
		3 OF 3	

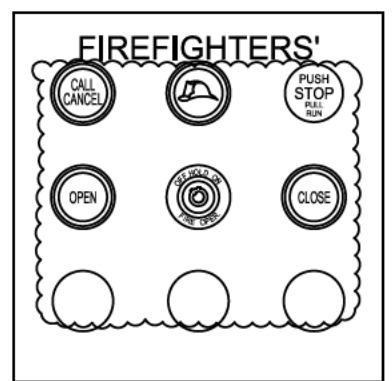


LEFT HAND PANEL



NO SMOKING SYMBOL
2,500" DIAMETER SYMBOL FLANGE MOUNTED FROM BACK SIDE. CIRCLE AND SLASH ARE RED, SMOKE AND CIGARETTE ARE BLACK.

GRAIN TO RUN THE LENGTH OF THE PART UNLESS OTHERWISE NOTED



FIRE SERVICE - 944 2016
AN 8" X 8" DOOR TO MATCH CAR STATION FINISH. PANEL CONSIST OF FIRE SERVICE DEVICES WITH FIRE INSTRUCTIONS INSIDE OF DOOR. "FIREFIGHTERS OPERATION" ON DOOR IS .438 HIGH RED LETTERS.

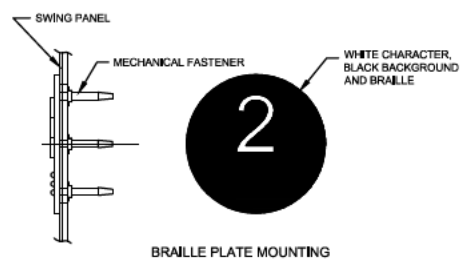
CAR OPERATING STATION

KEY SWITCHES
THE KEY SWITCH CONSISTS OF A CHROME KEY CYLINDER MOUNTED IN A 1.38" BEZEL. THE GRAPHICS FOR THE KEY POSITIONS ARE PAD PRINTED ON THE SURFACE OF THE BEZEL AND ARE COLORED WHITE.

ALARM AND FLOOR BUTTONS - V7 / V8 - BLUE
THE PUSH-BUTTON CONSIST OF A 1.14" HALO AROUND AN ILLUMINATING 1.116" CLEAR RING AND A 1" BUTTON.

DOOR OPEN AND DOOR CLOSE BUTTONS - V7 / V8
THE PUSH-BUTTON CONSIST OF A 1.14" HALO AROUND A NON-ILLUMINATING 1.116" CLEAR RING AND A 1" BUTTON.

BRILLE PLATES
1.12" DIAMETER CAST PLATES WITH WHITE CHARACTERS ON BLACK BACKGROUND, MEETS ANSI A117.1 70% CONTRAST REQUIREMENTS, MECHANICALLY FASTENED FROM BACK SIDE. INCLUDES ARABIC OR N.E.L. DESIGNATIONS AND BRILLE.

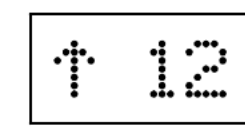


CAPACITY PLATE
4.314" X 1.14" PLATE TO MATCH FACEPLATE WITH BLACK TEXT, MECHANICALLY FASTENED FROM BACK SIDE.

SPEAKER PHONE
CALL BUTTON MOUNTED IN A POLYCARBONATE PLATE WITH BRILLE AND WHITE RAISED SYMBOL AND CHARACTERS. ILLUMINATED BUTTON IDENTIFICATION TO MEET A17.1 CODE. COMPLETE PHONE WITH SPEAKER INSTALLED BY THYSSENKRUPP, MIDDLETON.



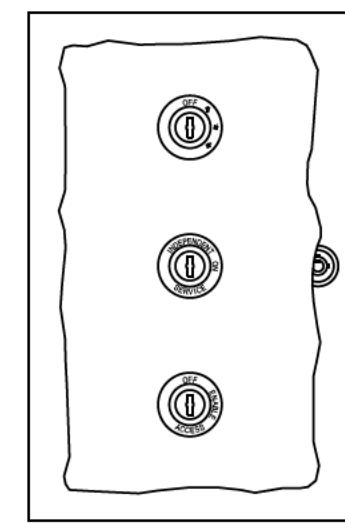
LOGO PLATE
5" X 1.12" PLATE TO MATCH FACEPLATE WITH BLACK TEXT AND BLUE GRAPHICS, MECHANICALLY FASTENED FROM BACK SIDE.



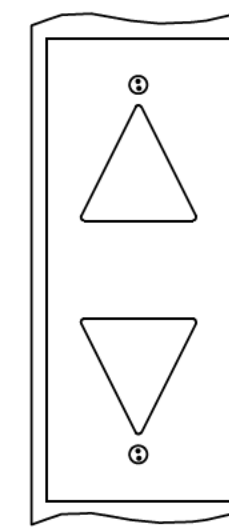
POSITION INDICATOR
4.314" X 2.318" WINDOW THAT CONTAINS ALPHA-NUMERIC DISPLAYS. DESIGNATIONS WILL ILLUMINATE BLUE.



EMERGENCY LIGHT
4.778" X 1.318" WINDOW MADE OF P-4 PLEXIGLAS. EMERGENCY LIGHT WILL LIGHT CLEAR.



FLUSH LOCKED COMPARTMENT
7" X 11" DOOR THAT MATCHES THE CAR STATION FINISH. THE DOOR IS LOCKED WITH A 7 PIN ACE LOCK. DEVICES ARE MOUNTED BEHIND ON A SUBPLATE.



CAR RIDING LANTERN
FACEPLATE: 11 GAUGE METAL TO MATCH FINISH OF RETURN.
LANTERNS: WHITE LEXAN PLASTIC LENSES 2.12" X 2.12" PROJECT 5/8" FROM FACEPLATE. LANTERNS ILLUMINATE TO INDICATE THE DIRECTION OF TRAVEL. LANTERNS WILL ILLUMINATE WHITE.

AUDIBLE SIGNAL
AN INTERNAL CHIME SOUNDS SIMULTANEOUSLY WITH ILLUMINATION OF A LANTERN. SOUNDS ONCE FOR UP AND TWICE FOR DOWN.

LOCATION: RETURN & STRIKE
TOTAL REQUIRED: 2

CUTOUT MOUNTING DATA - CAR RIDING LANTERN
FACEPLATE: 4.000"W x 10.000"H W/ MFG. @ 8.000" O.C.
BOX: 3.375"W x 8.889"H x 1.938"D (WHEN REQUIRED)
CUTOUT: 3.500"W x 8.813"H

ELEVATOR 1
CAPACITY 2500 LBS.



FINAL

RETURN PANEL SKIN: STAINLESS STEEL W/ #4 BRUSH FINISH
CONTROLLER: TAC32-T
STATION: MAIN
TOTAL REQUIRED: 1

DATE	SYM.	REVISION	BY
DESIGNED PER ASME A17.1			
DO NOT SCALE THIS DRAWING			
FOR [REDACTED] ELEV # 1			
ADDRESS [REDACTED]			
CITY [REDACTED]			
ARCHITECT: [REDACTED]			
GENERAL CONTRACTOR: [REDACTED]			
ELEVATOR CONTRACTOR: [REDACTED]			
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Field			844437
DWN	DATE	BRANCH	JOB NUMBER
	11/01/20		
DRAWING NO.			REV. SHEET NO.
			1 OF 1

CAR SIGNAL

HALL STATIONS

FACEPLATE

TYPE: VERTICAL
 FINISH: 11 GAUGE STAINLESS STEEL W/ #4 BRUSH FINISH
 MTG. HARDWARE: SPANNER HEAD SCREWS
 KEYSWITCH FINISH: CHROME
CUTOUT MOUNTING DATA - HALL STATIONS
 FACEPLATE: 3 1/2" (88.90mm) W x 18" (457.20mm) H WITH
 MTG. HARDWARE AT 16 3/16" (411.16mm) O.C.
 BOX: 2 3/4" (69.85mm) W x 17" (431.80mm) H x 2 1/2" (63.50mm) D
 CUTOUT: 2 7/8" (73.03mm) W x 17 1/8" (434.98mm) H

CUTOUT MOUNTING DATA - HALL STATIONS
 FACEPLATE: 3 1/2" (88.90mm) W x 9" (228.60mm) H WITH
 MTG. HARDWARE AT 7 3/16" (182.56mm) O.C.
 BOX: 2 3/4" (69.85mm) W x 8" (203.20mm) H x 2 1/2" (63.50mm) D
 CUTOUT: 2 7/8" (73.03mm) W x 8 1/8" (206.38mm) H

KEYSWITCHES

1 3/8" DIA. BLACK BEZEL WITH WHITE LETTERING, (SPRING RETURN)

KEYSWITCHES

1 3/8" DIA. BLACK BEZEL WITH WHITE LETTERING.

JAMB MOUNTED

MOUNTED IN THE HOISTWAY ENTRANCE JAMB. MEETS SPECS FOR AN INCONSPICUOUS UNIT. LOCK AND BEZEL ARE VISIBLE, SERVICED FROM THE ENTRANCE SIDE.

FIRE SERVICE - B44 2016

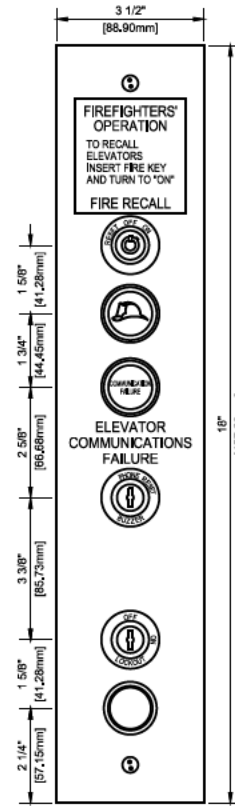
1 3/8" DIA. RED BEZEL WITH WHITE LETTERING. KEY IS REMOVABLE IN "OFF" & "ON" POSITIONS. KEY IS NOT REMOVABLE IN "RESET" POSITION. 1 3/8" DIA. BEZEL, 1" DIA. BLACK JEWEL, AND 1 1/4" DIA. HALO. HALO AND FIRE HAT ILLUMINATE RED.

METAL BUTTONS - V7 / V8 - BLUE

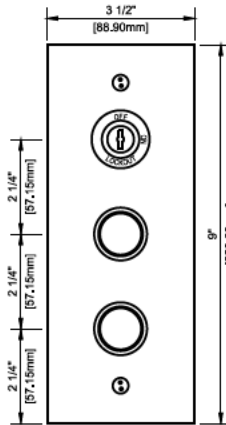
1 1/4" DIA. HALO AROUND AN ILLUMINATING 1 1/8" DIA. CLEAR RING AND A 1" DIA. BUTTON

FIRE SERVICE SIGNAGE

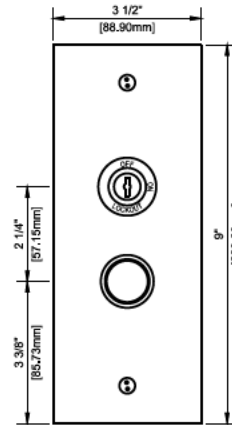
AN APPLIED PLASTIC PLAQUE WITH WHITE RAISED LETTERS ON A RED BACKGROUND



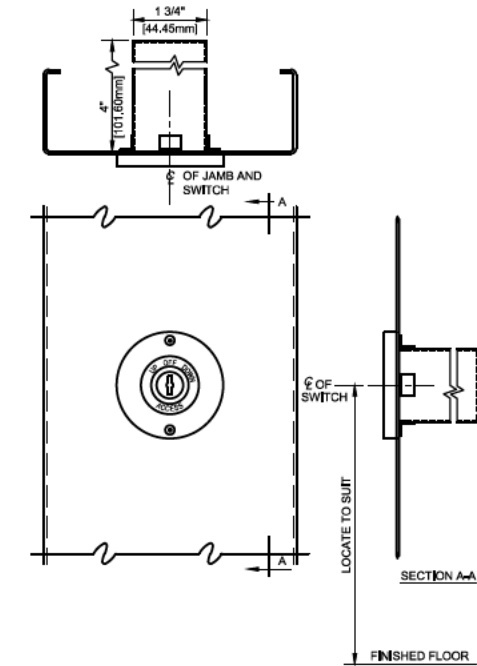
TOTAL REQUIRED: 1
 AT FLOOR: 1
 ELEVATOR NO.: 1



TOTAL REQUIRED: 1
 AT FLOOR: 2
 ELEVATOR NO.: 1



TOTAL REQUIRED: 1
 AT FLOOR: 3
 ELEVATOR NO.: 1



TOTAL REQUIRED: 2
 AT FLOOR: 1, 3
 ELEVATOR NO.: 1

Front Risers	1
Back Riser	0
# of Cars in group	1
TOTAL Openings	3
Front Openings	3
Rear Openings	0
Terminal HS	2
Intermediate HS	1
Total HS	3
Total HW Access	2

HALL LANTERNS

FACEPLATE

TYPE: HORIZONTAL
 FINISH: 11 GAUGE STAINLESS STEEL W/ #4 BRUSH FINISH
 MTG. HARDWARE: SPANNER HEAD SCREWS

LANTERNS

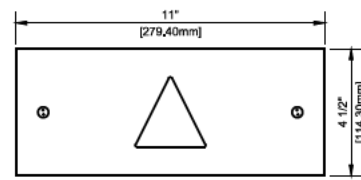
2 1/2" x 2 1/2" WHITE LEXAN PLASTIC LENSES WHICH ILLUMINATE UPON CAR ARRIVAL TO INDICATE DIRECTION OF TRAVEL. ILLUMINATION: WHITE

CHIME

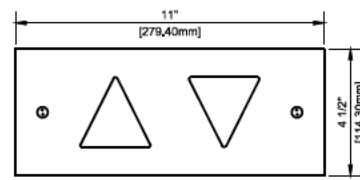
AN INTERNALLY MOUNTED ADJUSTABLE CHIME SOUNDS SIMULTANEOUSLY WITH ILLUMINATION OF A LANTERN. CHIME SOUNDS ONCE FOR UP, TWICE FOR DOWN.

CUTOUT MOUNTING DATA

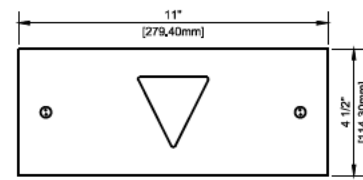
FACEPLATE: 11" (279.40mm) W x 4 1/2" (114.30mm) H WITH
 MTG. HARDWARE AT 9 1/16" (230.19mm) O.C.
 BOX: 9 3/4" (247.65mm) W x 3 3/4" (95.25mm) H x 2 1/2" (63.50mm) D
 CUTOUT: 9 7/8" (250.83mm) W x 3 7/8" (98.43mm) H



TOTAL REQUIRED: 1
 AT FLOOR: 1
 ELEVATOR NO.: 1



TOTAL REQUIRED: 1
 AT FLOOR: 2
 ELEVATOR NO.: 1



TOTAL REQUIRED: 1
 AT FLOOR: 3
 ELEVATOR NO.: 1

GRAIN TO RUN THE LENGTH OF THE PART UNLESS OTHERWISE NOTED

FINAL

DATE	SYM.	REVISION	BY
DESIGNED PER ASME A17.1		DO NOT SCALE THIS DRAWING	
FOR: [REDACTED]		ELEV # 1	
ADDRESS: [REDACTED]			
CITY: [REDACTED]			
ARCHITECT: [REDACTED]			
GENERAL CONTRACTOR: [REDACTED]			
ELEVATOR CONTRACTOR: [REDACTED]			
This drawing and all information thereon is the proprietary property of [REDACTED] and must not be made public or copied. This drawing is loaned subject to return on demand and is not to be used directly or indirectly in any manner detrimental to the interest of [REDACTED].			
Field [REDACTED]			
DWN	DATE	BRANCH	JOB NUMBER
	11/01/20		
DRAWING NO.		REV. SHEET NO.	
		1 OF 1	

HALL SIGNAL