

SCOPE OF WORK BY OTHERS: MRL **Diamond Trac**

GENERAL: THE FOLLOWING SCOPE OF WORK IS TO BE PROVIDED BY GENERAL CONTRACTOR, OWNER OR OWNER'S AGENT IN ACCORDANCE WITH LOCAL GOVERNING CODE REQUIREMENTS. THE FINAL INSTALLATION SEQUENCE AND SCHEDULE WILL BE MUTUALLY AGREABLE BETWEEN MITSUBISHI AND LOCAL.

PART 1 SITE PREPARATION & HOSTWAY/CONTROL ROOM

1.01 SITE PREPARATION

1. PROVIDE ON-SITE STORAGE FOR ELEVATOR EQUIPMENT PER THE FOLLOWING CRITERIA:
 - a. FULLY ENCLOSED, DRY, ACCESSIBLE FOR ROLLING EQUIPMENT DIRECTLY TO ELEVATOR HOSTWAY AT GROUND FLOOR INSIDE BUILDING IN WHICH THE ELEVATOR IS BEING INSTALLED.
 - b. LOCATED WITHIN 100 FEET OF HOSTWAY, MINIMUM SIZING-25 FEET BY 20 FEET, PER ELEVATOR BEING INSTALLED.
2. MITSUBISHI'S PRODUCT WARRANTY WILL BE VOIDED SHOULD THE ELEVATOR EQUIPMENT BE STORED IN A MANNER OTHER THAN NOTED ABOVE.
2. PROVIDE THE USE OF CRANE FOR HOSTING A SINGLE LOAD UP TO 5000 POUNDS. THE MULTIPLE PICKS CONSIST OF THE MACHINE, CONTROLLER AND RAILS.
2. OSHA APPROVED FALL PROTECTION AT EACH HOSTWAY OPENING AS WELL AS THAT OF HOSTWAY.
2. OSHA APPROVED FALL PROTECTION FOR TWO WORKERS MUST BE IN PLACE PRIOR TO HOSTING THE ELEVATOR EQUIPMENT.
3. ON SITE REUSE CONTAINERS FOR DISPOSAL OF ELEVATOR PACKAGING MATERIALS, UNLESS CONTAINERS PROVIDED, DISPOSAL OF PACKAGING MATERIALS WILL BE THE RESPONSIBILITY OF GENERAL CONTRACTOR OR OWNER.
4. CUTOUT PROVISIONS TO ACCOMMODATE SIGNAL FINISHES, VENTING, RAIL BRACKETS OR ENTRANCE DOORS AND FRAMES, PAINING AND PAINTING OF ALL AREAS CONSTITUTING FINAL FINISH AFTER COMPLETION OF THE INSTALLATION OR RELATED PARTITIONS ALONG WITH AND FINAL PAINTING OF HOSTWAY FRAMES AND DOORS (IF APPLICABLE).
5. TEMPORARY POWER OF 200W, 50A, MINIMUM REQUIRED FOR CONSTRUCTION TOOLS.

1.02 HOSTWAY

1. LEGAL HOSTWAY GUARANTEED PLUMB FROM TOP TO BOTTOM WITHIN A VARIATION OF ONE INCH PER HUNDRED FEET, BUT NOT LESS THAN THE CLEAR DIMENSIONS SHOWN ON LAYOUT DRAWING, ON SIDES NOT USED FOR LOADING AND UNLOADING, BEAMS, STRIBES, FLOOR SLABS, OR OTHER BUILDING CONSTRUCTION THAT PROJECT MORE THAN 4 IN. (2 IN IN CALIFORNIA) INSIDE THE HOSTWAY ENCLOSURE. THE TOP SURFACE OF THE PROTECTION SHALL BE RECEIVED AT AN ANGLE NOT LESS THAN 75 DEG WITH THE HORIZONTAL.
2. ADEQUATE SUPPORTS FOR GUIDE RAIL BRACKETS INCLUDING GUIDE BEAMS BETWEEN MULTIPLE CARS, INTERMEDIATE SUPPORT AS REQUIRED WHERE THE DISTANCE EXCEEDS THE MAXIMUM GUIDE RAIL BRACKET SPACING AS SHOWN ON LAYOUT DRAWING. EMBED BEARING PLATES FOR THE HITCH BEAM AND EMBED PLATES FOR MAIN AND CWT RAILS ARE TO BE FINISHED AND INSTALLED BY OTHERS.
3. PIT DEPTH AS INDICATED, WATERPROOFING AS REQUIRED, WITH SUMP PUMP OR SURFACE DRAIN AS REQUIRED, AND PIT REMEDIATING TO WITHSTAND GUIDE RAILS AND CAR & COUNTERWEIGHT PIT REACTION LOAD, AS SHOWN ON LAYOUT DRAWING.
4. ACCESS DOORS WITH HOLDING SWITCH AND VENTILATION OF HOSTWAY IN ACCORDANCE WITH LOCAL/STATE CODE.
5. FOR PASSENGER ELEVATOR: HORIZONTAL SLING DOORS.
6. ENTRANCE WELLS AND FINISHED FLOORS FOR PASSENGER ELEVATORS ARE NOT TO BE CONSTRUCTED UNTIL DOOR FRAMES AND SILLS ARE IN PLACE.
6. GROUNDING FULL LENGTH OF HOSTWAY SILLS AND AROUND FRAMES (WHERE APPLICABLE) AFTER SILLS ARE SET.
6. HOSTWAY DIVIDER SPOCKETS WHERE REQUIRED, SHALL EXCEED NOT LESS THAN 6"-60" ABOVE THE LEVEL OF THE PIT FLOOR, OR THE FULL HEIGHT OF THE SHEET IF COUNTERWEIGHT IS LOCATED BETWEEN ELEVATORS. THE SPOCKETS SHALL BE CONSTRUCTED OF MINIMUM 0.0915 INCH WELLS, SHALL REJECT A BALL 1 INCH IN DIAMETER, AND SHALL BE SO SUPPORTED AND BRACED THAT WHEN SUBJECTED TO A PRESSURE OF 100 FT/LB APPLIED HORIZONTALLY AT ANY POINT, THE DEFLECTION SHALL NOT EXCEED 1 INCH.
7. HOSTING BEAMS LOCATED AT TOP OF HOSTWAY, CAPABLE OF CARRYING THE NECESSARY LOADS, AS SHOWN ON DRAWINGS.
8. ADEQUATE SUPPORT FOR HITCH BEAM, LOCATED AT TOP OF HOSTWAY.
9. TEMPORARY WORKING PLATFORM AT OVERHEAD SHALL BE PROVIDED BY OTHERS FOR COMMENCEMENT OF GUIDE RAILS AND TRACTION MACHINE INSTALLATION.
10. HOSTWAY OPENINGS SHALL BE FULLY COVERED BY MATERIAL, STRONG ENOUGH TO DEFLECT DEBRIS (GRAVEL, HARDWARE, LUMBER, ETC) FROM EXTENDING OR FALLING DOWN THE HOSTWAY.

1.03 CONTROL ROOM

1. CONSTRUCTION OF A LEGAL ROOM EQUIPPED WITH SELF-CLOSING & LOCKING ACCESS DOOR AS REQUIRED BY CODE.
2. VENTILATION TO MAINTAIN TEMPERATURE BETWEEN 70-90° F AND MAXIMUM RELATIVE HUMIDITY OF 90% NON CONDENSING.
3. PROVISIONS TO ACCOMMODATE A NOISE LEVEL OF 70 dbA PER ELEVATOR CONTROLLER.
4. WORKING PLATFORM AT PIT SHALL BE PROVIDED, IF REQUIRED, COORDINATE DESIGN AND LOCATION WITH MITSUBISHI.
5. BEAM BRACED AT PIT FOR COMPENSATION (IF REQUIRED) THE ROOM SHALL BE BY GC.
6. COORDINATE WITH MITSUBISHI FOR PIT LADDER LOCATION & SIZE ETC.

PART 2 ELECTRICAL

- #### 2.01 CONTROL ROOM ELEVATOR MAIN LINE DISCONNECTS
1. THREE (3) PHASE, HOSEPOWER RATED, LOOKOUT TYPE, FUSED DISCONNECT OR CIRCUIT BREAKER.
 2. ONE DISCONNECT REQUIRED PER ELEVATOR, LABEL WITH ELEVATOR NUMBER & LOCATE PER MITSUBISHI LAYOUT DRAWINGS.
 3. PROVISIONS OF 3 PHASE ELECTRICAL SERVICE TO ELEVATORS PER NEC ARTICLE 650, INCLUDE FUSED MAINLINE DISCONNECT SWITCHES (SEED BY BUILDING ELECTRICAL ENGINEER, FROM RABLE INCLUDED IN LAYOUT DRAWING).
 4. PROVIDE AN AUXILIARY CONTACT IN DISCONNECT SWITCH WITH AN 18 AWG, WIRE PULLED FROM IT TO THE ELEVATOR CONTROLLER.
- #### 2.02 CONTROL ROOM ELEVATOR GROUP CONTROL DISCONNECT (MULTIPLE CAR GROUPS ONLY)
1. PROVIDE ONE DISCONNECT SWITCH, LOCATE ADJACENT TO THE MAIN LINE DISCONNECTS.
 2. SINGLE PHASE WIRING TO MATCH POWER SUPPLY IN TABLE INCLUDED IN LAYOUT DRAWINGS) WITH 30 AMP RATED, FUSED DISCONNECT OR CIRCUIT BREAKER.

2.03 CONTROL ROOM LIGHTING

1. ILLUMINATION AT FLOOR SHALL BE 20 FOOT CANDLES MINIMUM. LIGHTS SHALL BE PROPERLY GUARDED. NOTE: LIGHT MEASUREMENT TO BE AT FRONT AND REAR OF CONTROLLER.
2. LOCATE LIGHT SWITCH WITHIN 18" OF THE STRIKE SIDE OF THE ACCESS DOOR.

2.04 CONTROL ROOM OUTLETS & ETHERNET WIRING

1. PROVIDE CODE REQUIRED GROUND-FULT CIRCUIT INTERRUPTER 120 VAC OUTLETS OUTLETS, MINIMUM OF TWO.
2. LOCATE ON THE WALLS WHICH BEST ALLOW SERVICE OF THE CONTROL ROOM EQUIPMENT AS SHOWN ON LAYOUT DRAWING.
3. PROVIDE WIRING FOR ETHERNET, ONE PER CONTROL ROOM.

2.05 ELEVATOR CAR LIGHTING, VENTILATION FAN AND OUTLET SUPPLY

1. PROVIDE A CAR LIGHT LOCKABLE DISCONNECT (DEDICATED CIRCUIT), RATED AT 120 VAC, 20 AMPS, PER ELEVATOR.
2. SWITCHES SHALL BE NUMBERED AND ARRANGED TO BE LOCKED IN THE OPEN POSITION.
3. LOCATE SWITCHES ADJACENT TO THE CONTROL ROOM MAIN LINE DISCONNECTS AND PIPING TO ELEVATOR BACKWAY IN CONTROL ROOM.

2.06 ELECTRICAL REQUIREMENTS FOR PIT, SHAFT, OVERHEAD AND LOBBY

1. PROVIDE ILLUMINATION LEVEL OF 10 FOOT CANDLES, MOUNTED AT THE PIT FLOOR.
2. LIGHTS SHALL BE PROPERLY GUARDED AS REQUIRED BY LOCAL GOVERNING CODE.
3. FOR MAIN-AN PIT, LOCATE LIGHT SWITCH WITHIN 18" OF LOCK JAMB SIDE OF THE ACCESS DOOR.
4. FOR PITS ACCESSIBLE ONLY BY A PIT LADDER, LOCATE LIGHT SWITCH ON THE HOSTWAY WALL, ADJACENT TO PIT LADDER, BETWEEN 18" AND 36" ABOVE THE LOWEST LANDING.
5. PROVIDE GROUND FAULT CIRCUIT INTERRUPTER (GFCI) DUPLEX OUTLET RATED 120 VAC, NOT LESS THAN 15 AMPS IN EACH PIT, ONE PER ELEVATOR, LOCATED NEAR THE PIT LADDER, APPROXIMATELY 36" ABOVE THE PIT FLOOR.
6. COORDINATE LOCATION OF ALL ITEMS ABOVE WITH MITSUBISHI.
7. ILLUMINATION AT LANDING SIGNALS. THE BUILDING CORPORS SHALL BE SO LIGHTED THAT THE ILLUMINATION AT THE LANDING SIGNALS WHEN AN ELEVATOR IS IN SERVICE SHALL BE NOT LESS THAN 100 LX (10 FC).
8. HOSTWAY LIGHTING WHEN REQUIRED, E.G. FIRE ACCESS SERVICE ELEVATOR, SHALL BE PROVIDED BY OTHERS.
9. PROVIDE FLOODESCENT HOSTWAY LIGHT, LIGHT SWITCH AND GFCI DUPLEX OUTLET IN THE TOP OF HOSTWAY, COORDINATE LOCATION OF ALL ITEMS ABOVE WITH MITSUBISHI.
10. PROVIDE PERMANENT ELECTRICAL LIGHTING IN THE HOSTWAY OVERHEAD (MACHINEY SPACE). THE ILLUMINATION SHALL BE NOT LESS THAN 200 LX (19 FC) IN THE WORK AREA MOUNT THE LIGHT SWITCH ADJACENT TO THE LIGHT. LOCATE THE LIGHT FIXTURE ABOVE THE TOP LANDING ENTRANCE DUST COVER, APPROXIMATELY LEVEL WITH THE HITCH BEAM, ABOVE THE ENTRANCE AND ON THE SAME SIDE AS THE HOSTWAY ACCESS SWITCH.

2.07 THREE (3) PHASE POWER REQUIREMENTS FOR INSTALLATION USE

1. THREE (3) PHASE POWER TO OPERATE THE ELEVATOR PLATFORM DURING INSTALLATION SHALL HAVE IDENTICAL CHARACTERISTICS TO PERMANENT POWER, EXCEPT THAT THE CURRENT CAPACITY (AMPERES) MAY BE REDUCED TO 60 PERCENT OF THE PERMANENT POWER REQUIREMENTS SHOWN IN SECTION 2.08 BELOW.
2. THREE (3) PHASE POWER TO ADJUST THE EQUIPMENT OR FOR TEMPORARY USE BY OTHER SUB-TRADES SHALL HAVE IDENTICAL CHARACTERISTICS TO THE PERMANENT POWER.

2.08 POWER FEEDER DATA

BUILDING ELECTRICAL ENGINEER SHALL SIZE FEEDERS AND FUSED DISCONNECTS PER AS SHOWN ON LAYOUT DRAWING. LINE VOLTAGE DROP TO BE LESS THAN 3% DURING ACCELERATION.

2.09 STANDBY (EMERGENCY) POWER PROVIDED

1. IF STANDBY (EMERGENCY) POWER OPERATION IS REQUIRED, THE EMERGENCY GENERATOR SHALL HAVE THE SAME VOLTAGE CHARACTERISTICS AS THE NORMAL POWER SUPPLY. DETAILED INFORMATION IS TO BE COORDINATED WITH MITSUBISHI. ALSO PROVIDE STANDBY (EMERGENCY) POWER FOR ABOVE 2.02, 2.03 & 2.05, COMPLY WITH LOCAL CODE.
2. WHEN OPERATING ELEVATORS ON EMERGENCY POWER OR DURING CONSTRUCTION STAGE, A MEANS OF ABSORBING THE REGENERATIVE ENERGY SHALL BE PROVIDED, IF REGENERATIVE DEVICE IS APPLIED.

2.10 SEISMIC SWITCH POWER SOURCE

120 VAC, ONE (1) PHASE, 60 HZ, 1 AMP REDUCED POWER SOURCE WITH LOCKABLE FUSED DISCONNECT FOR SEISMIC SWITCH TO BE SUPPLIED BY OTHERS. POWER SOURCE TO BE LOCATED IN MACHINE ROOM, ADJACENT TO LANDING POWER SOURCE. EMERGENCY POWER 120 VOLT SOURCE IS REQUIRED.

2.11 WELCET OUTLET

120 VAC, GFCI OUTLET WHERE WELCET IS LOCATED TO BE SUPPLIED BY OTHERS.

PART 3 FIRE & LIFE SAFETY

3.01 GENERAL REQUIREMENTS

1. PROVIDE WIRING AND CONDUIT TO DELIVER DRY CONTACT SIGNAL PER ELEVATOR GROUP TO FIRE PANEL OR CONTROL ROOM(S) IF FIRE PANEL IS ASCENT.
2. DRY CONTACTS AND WIRING (MIN 18 AWG) SHALL BE SUITABLE FOR A 48 VDC, 100 MA SIGNAL.
3. OXYGEN MONITORING EQUIPMENT WHEN REQUIRED WILL BE PROVIDED BY OTHERS.
4. FIRE ALARMS TO OWNER CAN BE MINIMIZED IF CONNECTIONS FOR EQUIPMENT OF OTHER SUB-TRADES ARE LOCATED OUTSIDE OF THE WORKING AREA.

3.02 STANDBY (EMERGENCY) POWER SIGNAL

1. PROVIDE WIRING AND CONDUIT TO DELIVER SIGNAL TO ELEVATOR BACKWAY LOCATED AT THE CONTROL ROOM.
2. CONTACTS AND WIRING (MIN 18 AWG) SHALL BE SUITABLE FOR A 48 VDC, 100 MA SIGNAL.
3. IF MULTI GROUP CARE STANDBY (EMERGENCY) POWER OPERATION IS NECESSARY, PROVIDE ABOVE AUXILIARY CONTACT AT THE FIRE CONTROL ROOM FOR EACH GROUP.
4. PROVIDE AUXILIARY CONTACTS OF THE AUTOMATIC TRANSFER SWITCH THAT ARE CLOSED WHEN ON NORMAL POWER AND OPEN WHEN ON STANDBY POWER.

3.03 FIRE RECALL SIGNAL - MAIN AND ALTERNATE FIRE CONTROL ELEVATORS

1. PROVIDE JUNCTION BOX LOCATED IN THE CONTROL ROOM WITH INTERCONNECTING CONDUITS ON CONTROL ROOM WALL. LABEL JUNCTION BOX APPROPRIATELY.
2. PROVIDE WIRING AND CONDUIT TO DELIVER SIGNAL TO JUNCTION BOX AND ELEVATOR BACKWAY LOCATED IN THE CONTROL ROOM.
3. SEPARATE SIGNALS SHALL BE PROVIDED FROM THE FIRE CONTROL SYSTEM TO INDICATE WHETHER THE ELEVATOR IS TO RECALL TO THE MAIN FLOOR OR TO THE ALTERNATE FIRE CONTROL FLOOR.
4. CONTACTS AND WIRING (18 AWG MINIMUM) SHALL BE SUITABLE FOR 48 VDC, 100 MA SIGNAL.

3.04 PAGING SPEAKER AND WIRING (IF REQUIRED)

1. PROVIDE JUNCTION BOX LOCATED IN THE CONTROL ROOM WITH INTERCONNECTING CONDUITS ON CONTROL ROOM WALL. LABEL JUNCTION BOX APPROPRIATELY.
2. PROVIDE WIRING AND CONDUIT TO DELIVER SIGNAL TO JUNCTION BOX AND ELEVATOR BACKWAY LOCATED IN THE CONTROL ROOM.
3. PAGING SPEAKER, SPECIAL FIXTURES, WIRING OR GRILLS REQUIRED FOR PAGING SYSTEM ARE NOT BY MITSUBISHI.
4. MITSUBISHI WILL MOUNT THE SPEAKER ABOVE THE CEILING.

3.05 TELEPHONES IN ELEVATOR CARS

1. PROVIDE JUNCTION BOX LOCATED IN THE CONTROL ROOM WITH INTERCONNECTING CONDUITS ON CONTROL ROOM WALL. LABEL JUNCTION BOX APPROPRIATELY.
2. PROVIDE WIRING AND CONDUIT TO DELIVER SIGNAL TO JUNCTION BOX LOCATED IN THE CONTROL ROOM.
3. ADA COMPLIANT AUTO DIAL SYSTEM WITH HANDS-FREE INSTRUMENT IS REQUIRED IN EACH CAR (BY MITSUBISHI).
4. PROVIDE A DEDICATED LINE AND TELEPHONE NUMBER PER ELEVATOR.
5. CONNECT PHONES AND PROVIDE 24 HOUR MONITORING, NORMALLY AN ANSWERING SERVICE.
6. MITSUBISHI, UPON RECEIPT OF A WRITTEN REQUEST FROM THE GENERAL CONTRACTOR, WILL PROGRAM THE PHONES TO AUTO DIAL THE NUMBER INDICATED IN THE REQUEST.

3.06 SMOKE DETECTORS AND/OR FIRE SPRINKLERS IN THE HOSTWAY

1. IF REQUIRED BY CODE, COORDINATE LOCATION WITH MITSUBISHI.
2. SPRINKLER SHUTOFF VALVES SHALL BE LOCATED OUTSIDE OF THE HOSTWAY.
3. IF SPRINKLERS ARE PRESENT, PROVIDE DEVICES TO AUTOMATICALLY DISCONNECT MAIN LINE POWER SUPPLY TO ELEVATORS UPON OR PRIOR TO THE APPLICATION OF WATER FROM THE SPRINKLERS. THESE DEVICES SHALL BE INDEPENDENT OF THE ELEVATOR SYSTEM, NOT SET, RESISTING AND LOCATED IN THE HOSTWAY OR CONTROL ROOM.
4. IF SMOKE DETECTORS ARE PROVIDED, THEY MUST BE ACCESSIBLE FROM OUTSIDE THE HOSTWAY.
5. PROVIDE A NORMALLY CLOSED CONTACT TO SHUTOFF THE CONTROL POWER PRIOR TO SHUNT TRIP ACTIVATION. THE CONTACT TO BE CONNECTED TO THE ELEVATOR CONTROLLER WITH AN 18 AWG WIRE.
6. IN THE CITY OF LOS ANGELES, MACHINE ROOM-LESS (MRL) ELEVATOR HOSTWAYS ARE REQUIRED TO HAVE A SMOKE SENSOR, EVEN IF UN-SPRINKLERED, TO INITIATE FIRE EMERGENCY SERVICE, PHASE 1 RECALL.

3.07 ELEVATOR IDENTIFICATION IN BUILDINGS WITH MULTIPLE ELEVATORS

- IN BUILDINGS WITH MULTIPLE ELEVATORS AND IF THE BUILDING SERVICES ARE TO BE PROVIDED BY CUSTOMER, EACH ELEVATOR SHALL BE ASSIGNED A UNIQUE ALPHABETICAL OR NUMERICAL IDENTIFICATION, A MINIMUM OF 3 INCHES IN HEIGHT, ADJACENT TO EACH ELEVATOR ENTRANCE ON THE FIRE RECALL FLOOR.

3.08 CONDUITS FROM ELEVATOR HOSTWAY TO SECURITY OR LOBBY PANELS

1. CONDUIT REQUIREMENTS FOR REMOVE PANELS VARY CONSIDERABLY DEPENDING ON EQUIPMENT THE, FUNCTIONS MONITORED, NUMBER OF ELEVATORS, ETC. ALL CONDUIT TO BE SUPPLIED BY OTHERS. 2. COORDINATE SIZE, QUANTITY AND POINTS OF TERMINATION WITH MITSUBISHI.

ELEV. NO.	CONDUIT QUANTITY & SIZE	PULL BOX REQUIRED EVERY
1 & 2	1 x 2" & 3"	100 FT AND / OR 3 - 90 DEGREE ELBOWS MAXIMUM.

PART 4 SECURITY AND MISCELLANEOUS DEVICES

MITSUBISHI ONLY PROVIDES WIRING - ALL OTHER WORK (INSTALLATION, PROGRAMMING) IS BY OTHERS. COORDINATE WITH MITSUBISHI ON REQUIREMENT AND LOCATION OF ADDED DEVICES SUCH AS SPEAKERS, CAMERAS, MEDIA SCREENS, AND CARD READERS ETC.

NOTE:

1. DIMENSIONS INSIDE BRACKETS ARE MILLIMETERS.

NO.	DATE	BY	REVISIONS
1	12/04/17	FL	INITIALD DRAWING.

CUSTOMER	M/E/O	ELEV NO
1		1
2		2

THIS SHOP DRAWING WAS APPROVED ON _____ DATE. THE CONTRACTOR HAS BEEN ADVISED THAT ANY CHANGES MADE AFTER APPROVAL WILL RESULT IN AN ADDITIONAL COST AND COMPLETION TIME.

PROJECT: **SSF HOTEL**

ADDRESS: **650 GATEWAY BLVD SOUTH SAN FRANCISCO, CA**

CONTRACTOR: **SOUTHERN HOSPITALITY SERVICES**

ARCHITECT: **ARRIS STUDIO ARCHITECTS**

CONSULTANT: _____

DRAWN: **W. CHEN** DATE: **07/13/17**

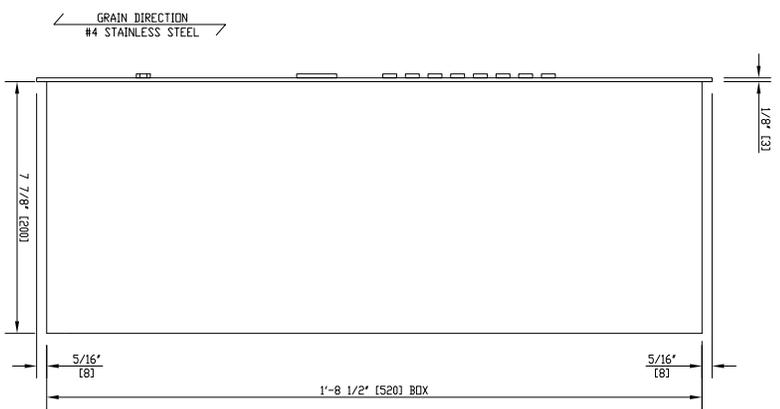
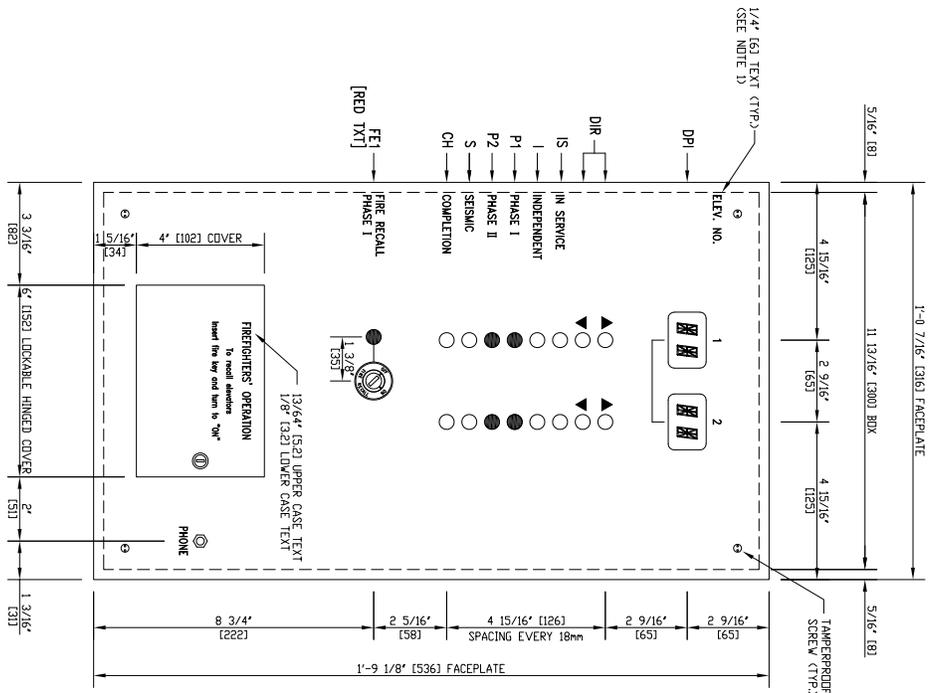
CHECKED: **J. CAO** APPROVED: **J. CAO**

DWG. TITLE: **SCOPE OF WORK BY OTHERS**

CONTRACT NO.: **AGAN-12362**

DWG. NO.: **ROOD001**

MITSUBISHI ELECTRIC
Changes for the Better
ELEVATOR/ESCALATOR DIVISION



DETAIL - B

- - LED (ORANGE WHEN LIT)
- - LED (RED WHEN LIT)
- ▲ - ETCHED ARROW (BLACK FILLED)

NO.	DATE	BY	REVISIONS
A	12/04/17	PL	FINALIZED DRAWING.

FINAL DRAWING
 THIS SHOP DRAWING WAS APPROVED ON 10/11/17. EQUIPMENT HAS BEEN RELEASED FOR FABRICATION. ANY CHANGES MADE AFTER APPROVAL WILL RESULT IN ADDITIONAL COST AND COMPLETION TIME.

PROJECT: **SSF HOTEL**
 ADDRESS: **550 GATEWAY BLVD**
SOUTH SAN FRANCISCO, CA
 CONTRACTOR: **SOUTHERN HOSPITALITY SERVICES**
 ARCHITECT: **ARRIS STUDIO ARCHITECTS**
 CONSULTANT: -
 DRAWN: W. CHER DATE: 07/14/17
 CHECKED: J. CAO APPROVED: J. CAO
 ELEV. NO.: **1-2**
 DWG. TITLE: **FIRE PANEL**
 CONTRACT NO.: **ACAN-12352**
 DWG. NO.: **R00D002**

ITEM	DESCRIPTION
DP1	DIGITAL POSITION INDICATOR, SEGMENT TYPE.
DIR	DIRECTIONAL INDICATOR LIGHT.
IS	IN SERVICE INDICATOR LIGHT.
I	INDEPENDENT SERVICE INDICATOR LIGHTS.
P1	FIRE PHASE I INDICATOR LIGHT.
P2	FIRE PHASE 2 INDICATOR LIGHT.
S	SEISMIC OPERATION INDICATOR LIGHT.
CH	COMPLETION OF HANDING LIGHT - LIGHT IS ON WHEN CAR RETURNED TO LOBBY ON FE PH1 OR EMERGENCY POWER.
FE1	FE PHASE 1 - (2) POSITIONING PHASE 1 FIRE RECALL KEY SWITCH WITH INDICATOR LIGHT.

NOTES:

1. ALL TEXT TO BE 1/4" (6.3) TALL, HELVETICA TYPE FONT
2. DIMENSION INSIDE UNLESS OTHERWISE SPECIFIED.
3. DO NOT SCALE DRAWING.



NUMBER OF SECURED FLOORS:	ALL FLOORS EXCEPT MAIN LOBBY
LOCATION OF CARD READER:	C. O. P.
LOCATION OF CARD CONTROLLER:	SECURITY OFFICE
CARD READER CONTROLLER	
TYPE OF CARD READER:	PENDING (OTHERS TO PROVIDE)
MANUFACTURER:	PENDING (OTHERS TO PROVIDE)
CARD READER OVERRIDE SWITCH BY ELEVATOR:	<input checked="" type="checkbox"/> INSIDE C. O. P. <input type="checkbox"/> MELEYE / FIRE PANEL / LOBBY PANEL
OVERRIDE SWITCH BY CARD READER CONTROLLER (SEPARATE DRY CONTACT REQUIRED):	WITHOUT
ELECTRICAL REQUIREMENTS	
SIGNAL LOCATION:	MACHINE ROOM / CONTROL ROOM
ONE CONTACT PER CONTROLLED FLOOR PER CAR:	YES (IF IN, SPECIFY THE GROUP OF FLOORS OPERATED BY ONE CONTACT)
CARD READER CONTACTS RATED AT 48VDC & 100ma OR MORE, AND TO BE NORMALLY OPEN TYPE WITH THE FOLLOWING CHARACTERISTICS:	
*NORMAL OPERATION MODE: ALL BUTTONS ARE OPERATIVE BY CLOSING ALL DRY CONTACTS.	
*SECURITY OPERATION MODE: CONTROLLED BUTTONS ARE OPERATIVE FOR A FEW SECONDS AFTER CARD IS DETECTED, BY CLOSING THE APPROPRIATE CONTACTS.	
*NORMALLY OPEN TYPE: DURABLE CONTACTS SHALL BE PROVIDED FOR ALL SECURED FLOORS. ALL ACCESSIBLE OVERRIDE SWITCH OR SERVICE CALL IS REQUIRED TO OVERRIDE THIS FEATURE, UNLESS THE CARD READER SYSTEM IS FIXED.	
(SEE CARD READER OPERATION FLOW CHART FOR REQUIRED CONDITIONS OF CONTACTS.)	

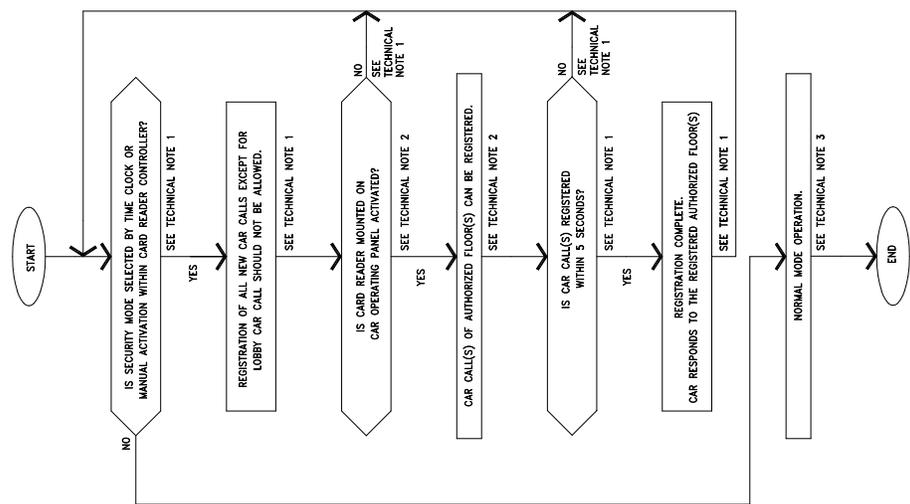
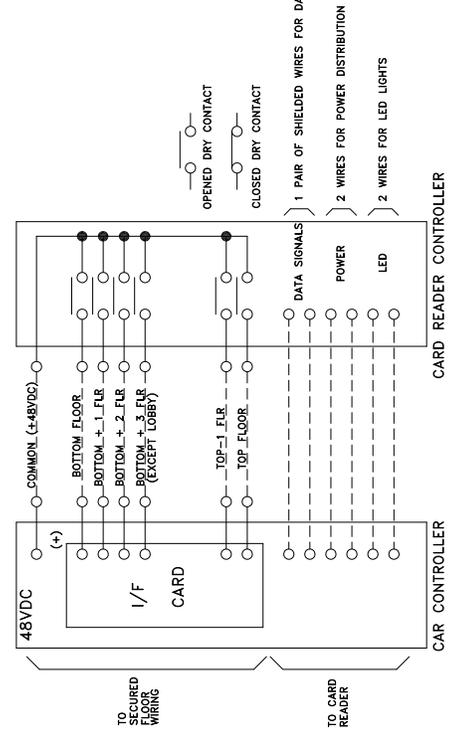
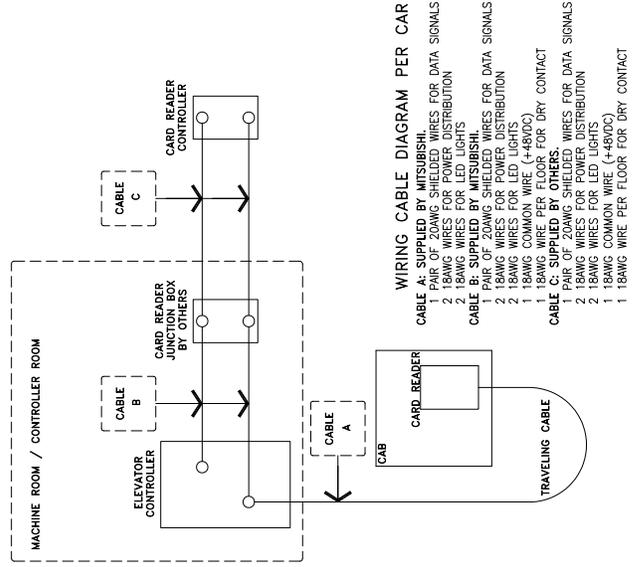
- NOTES:**
- FIRE EMERGENCY SERVICE AND INDEPENDENT OPERATION SHALL OVERRIDE CARD READER OPERATION.
 - FLOOR LOCKOUT SYSTEM AT LOBBY PANEL, IF PROVIDED, SHALL OVERRIDE CARD READER SYSTEM.
 - REGARDLESS OF MODE OF OPERATION, HALL CALLS ARE ALWAYS ALLOWED.
 - MITSUBISHI WILL PROVIDE A 5" H x 4" W x 3" D CARD READER SPACE IN THE CAR OPERATING PANEL.
 - IF MOUNTING IS REQUIRED, FASTENING WILL BE SUPPLIED BY MITSUBISHI, AS LONG AS REQUIREMENT IS RECEIVED PRIOR TO MANUFACTURING. OTHERWISE, MOUNTING WILL BE BY OTHERS.
 - 2 CONTACTS PER FLOOR WILL BE PROVIDED FOR CARS THAT HAVE AT LEAST 1 THROUGH-CAR OPENING (2020), UNLESS OTHERWISE SPECIFIED, AS A RESULT, THE FRONT AND REAR OPENINGS OF THE CAR READER SHALL BE SEPARATE.
 - CARD READER IS TO BE COORDINATED WITH MITSUBISHI.
 - LOCATION OF CARD READER JUNCTION BOX, IN MACHINE ROOM, TO BE COORDINATED WITH MITSUBISHI.
 - A CARD READER OVERRIDE SWITCH IS PROVIDED IN THE CAR OPERATING PANEL AND IN MELEYE AS STANDARD. IF MELEYE IS NOT APPLICABLE, A CARD READER OVERRIDE SWITCH MAY BE PROVIDED ON THE FIRE PANEL OR A SEPARATE LOBBY PANEL, BY CUSTOMER REQUEST ONLY.
 - PROVIDE MITSUBISHI WITH CARD READER SPECIFICATIONS, UPON APPROVAL OF THIS DRAWING.
 - ALL OTHER WORK NOT SPECIFIED HERE IN, BY OTHERS.

NO.	DATE	BY	REVISIONS

NOTE:
1. DIMENSIONS INSIDE BRACKETS ARE MILLIMETERS.
2. DO NOT SCALE THIS DRAWING.

FINAL DRAWING	
<input type="checkbox"/> FOR APPROVAL	<input type="checkbox"/> REVISED FOR APPROVAL
<input type="checkbox"/> 10/12/17	<input type="checkbox"/> EQUIPMENT HAS BEEN RELEASED FOR FABRICATION. ANY CHANGES MADE AFTER APPROVAL WILL RESULT IN ADDITIONAL COST AND COMPLETION TIME.
<input type="checkbox"/> FINAL DISTRIBUTION	<input type="checkbox"/> REVISED FINAL DISTRIBUTION
PROJECT: SSF HOTEL	
ADDRESS: 550 GATEWAY BLVD	
CONTRACTOR: SOUTHERN HOSPITALITY SERVICES	
ARCHITECT: ARRIS STUDIO ARCHITECTS	
CONSULTANT: -	
DRAWN: PL	DATE: 12/15/17
CHECKED: J. CAO	APPROVED: J. CAO
ELEV. NO.: 1-2	
DWG. TITLE: CARD READER	
CONTRACT NO.: ACAN-12352	
DWG. NO.: ROOD003	

ENGINEERING NOTE:
TOTAL LENGTH OF CABLES A, B, & C SHOULD NOT EXCEED 300 FT. IF THIS CONDITION IS NOT MET, A GREATER WIRE GAUGE WILL BE REQUIRED. (THIS NOTE TO BE DELETED PRIOR TO PRELIMINARY DRAWING SUBMITTAL.)



CARD READER OPERATION FLOW CHART

TECHNICAL NOTE FOR CARD READER VENDOR:
*1: ALL DRY CONTACTS SHALL BE OPEN. PRE-REGISTERED CAR CALLS WILL BE RESPONDED TO. FUTURE CAR CALLS MUST HAVE CARD READER AUTHORIZATION.
*2: DRY CONTACT(S) OF AUTHORIZED FLOOR(S) SHALL REMAIN CLOSED FOR 5 SECONDS. CLOSING TIME IS ADJUSTABLE BY CARD READER CONTROLLER.
*3: ALL DRY CONTACTS SHALL BE CLOSED DURING NORMAL MODE OPERATION.



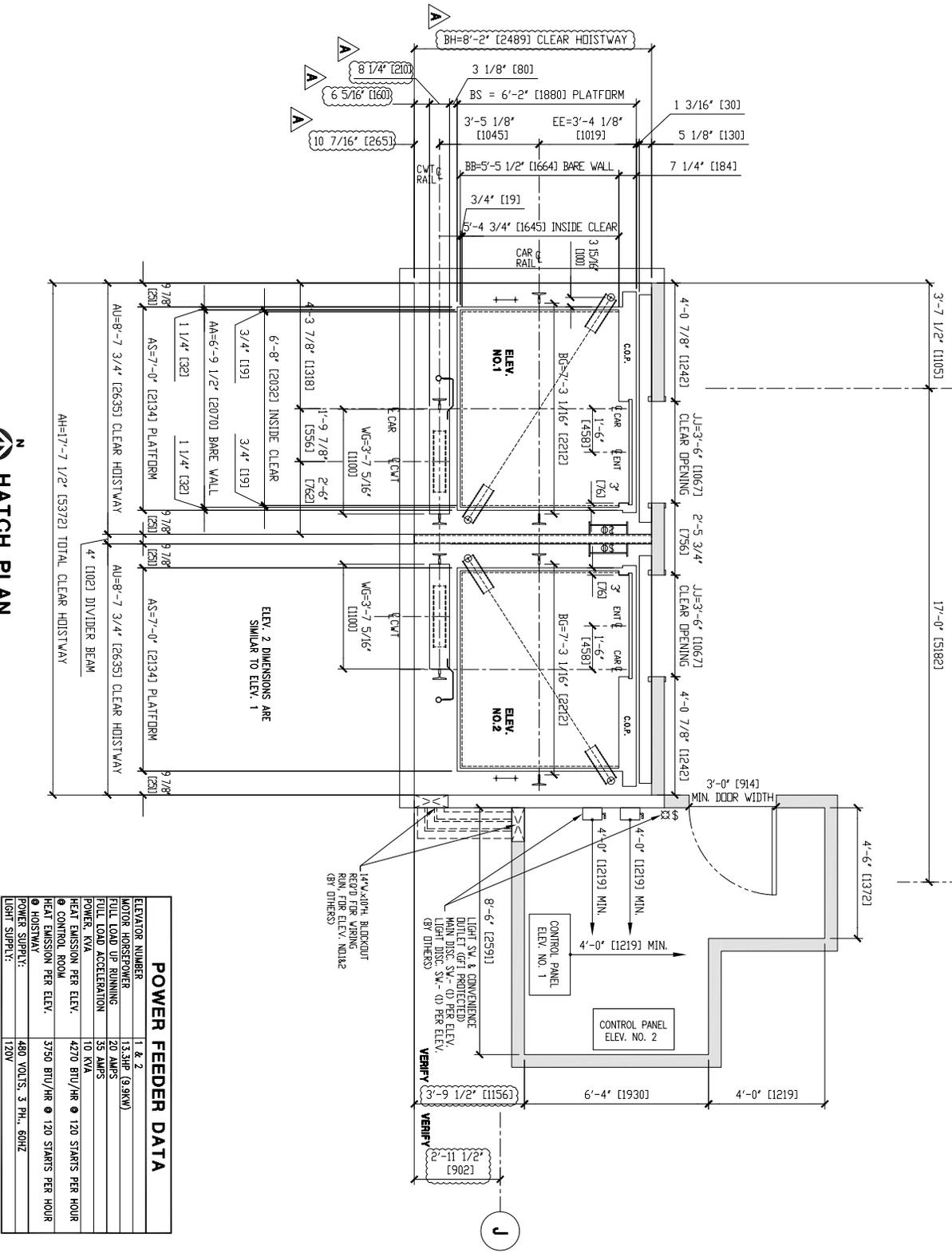
- G.C. NOTES:**
- 1) RAIL SUPPORT FOR CAR AND CWT REQUIRED AT ALL FLOORS.
 - 2) ANY STRUCTURAL BEAM AND WALL SHALL NOT INTRUDE INTO THE CLEAR HOISTWAY.
 - 3) MAX. BRACKET SPACING FOR CAR AND CWT FOR ELEV. NO. 1 & 2 IS 11'-9" [3581].
 - 4) ALL RAIL SUPPORTS MUST BE ACCURATELY INSTALLED ACCORDING TO THE DIMENSIONS SHOWN ON THE DRAWING TO PROPER BRACKET CONNECTIONS.
 - 5) PIT LADDER, LIGHT, LIGHT SW, AND GFCI OUTLET ARE BY OTHERS.

11

5.8



**ELEV. NO. 1 & 2
CONTROL ROOM PLAN**
ADJACENT AT LEVEL 6, ±EL.+59'-9" 5/8"
MIN. 8'-0" CLEAR HEAD ROOM REQUIRED



POWER FEEDER DATA

ELEVATOR NUMBER	1 & 2
MOTOR HORSEPOWER	13.5HP (9.9KW)
FULL LOAD UP RUNNING	20 AMPS
FULL LOAD ACCELERATION	35 AMPS
POWER, KVA	10 KVA
HEAT EMISSION PER ELEV.	4270 BTU/HR @ 120 STARTS PER HOUR
HEAT EMISSION PER HOUR	3750 BTU/HR @ 120 STARTS PER HOUR
HEAT SUPPLY:	480 VOLTS, 3 PH., 60HZ
LIGHT SUPPLY:	120V

EQUIPMENT DATA

ELEVATOR NO.	1 & 2	PASSENGER	ELEV. MODEL: GRS4LU
TYPE			
CAPACITY	3500 LBS		
SPEED	200 FPM		
TOTAL TRAVEL	99'-9 5/8" [3023]		
CONTROL	YTRIC-2C-SM27		
MACHINE	PM10S		
DRIVER DIAMETER	1'-4 1/8" [410]DLA		
ROPE DIA. (INCL. TYPES)	2 1/2" [63.5] (10)DLA, 8x4(9)		
ROPE DIA. (EXCL. TYPES)	2 1/2" [63.5] (10)DLA, 8x4(9)		
CAR SAFETY	N/A-270		
COMPENSATOR SAFETY	DC-270		
CAR GOVERNOR SERIES	N/A		
COMPENSATOR SERIES	N/A		
GOVERNOR ROPE (DLA/TYP)	(1) 1 1/4" (9)DLA, 8x4(9)		
COMPENSATOR TYPE	TBD		
CAR RAILS-SIZE	15 LBS/FT		
CWT RAILS-SIZE	15 LBS/FT		
CAR BUREN-TYPE	08A-70A		
NO. & STROKE	(2) 2 3/4" [70] STROKE		
CWT. BUREN-TYPE	08A-70A		
NO. & STROKE	(2) 2 3/4" [70] STROKE		

ESTIMATED WEIGHTS

LOADING DOOR PANEL	158 LBS
CAR DOOR PANEL (1)	168 LBS
CAR DOOR PANEL (2)	368 LBS
CAR FLOOR (EXCL. TYPES) (3)	58 LBS
ENCLOSURE SHEET (4)	1692 LBS
ENCLOSURE (0.01 and 0)	
CAB WEIGHT = (0)X(0)X(0)	2225 LBS
TOTAL CAR DEAD WEIGHT	5643 LBS
OVERBALANCE @ 50 X	1750 LBS
TOTAL COUNTERWEIGHT	7393 LBS
LOAD ON CAR SAFETY	TBD
LOAD ON CWT SAFETY	N/A
SLAVE SHAF. LOAD	17800 LBS

FACTORY NOTE:
LOAD ON SAFETY SHOWN ABOVE IS THE SUSPENDED WEIGHT OF CAR PLUS CAPACITY, OR COUNTERWEIGHT.

SEISMIC RAIL FORCES			
	YX	CWT.	YV
BEWM.	CAR	CWT.	CWT.
VX	182	3000	3300
YV		1500	1700

RAIL FORCES @ SAFETY APPLICATION

BEWM.	CAR	FV	CWT.
182	13800	N/A	N/A

- NOTES:**
1. RAIL FORCES @ SAFETY APPLICATION AND SEISMIC RAIL FORCES
 2. CAB ENCLOSURE KIT INCLUDES SHELL, CEILING, INTERIOR PANELS, AND INTERIOR HANDRAILS.
 3. CAB ENCLOSURE KIT DOES NOT INCLUDE FLOORING, DOOR PANELS, CAR OPERATOR, COP, MBS, OR CAR TOP RAIL.
- NOTE:**
1. DIMENSIONS INSIDE BRACKETS ARE MILLIMETERS.
 2. DO NOT SCALE THIS DRAWING.

NO.	DATE	BY	REVISIONS
A	12/04/17	PL	MADE REVISIONS, FINALIZED DRAWING.

FINAL DRAWING

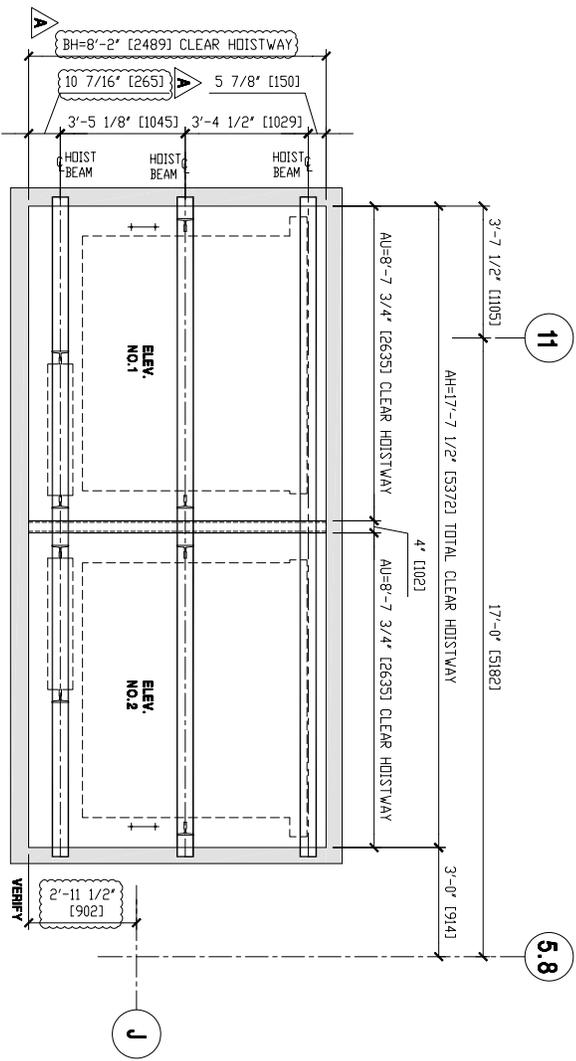
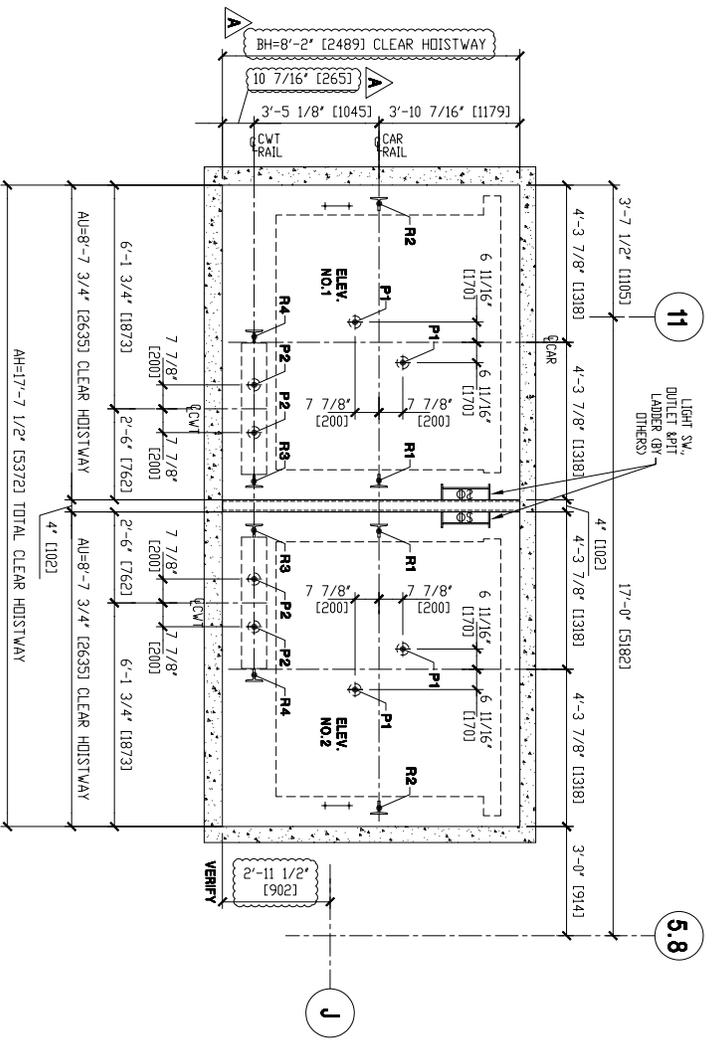
THIS SHOP DRAWING WAS APPROVED ON 10/12/17. EQUIPMENT HAS BEEN RELEASED FOR FABRICATION. ANY CHANGES MADE AFTER APPROVAL WILL RESULT IN ADDITIONAL COST AND COMPLETION TIME.

PROJECT: **SSF HOTEL**
ADDRESS: **550 GATEWAY BLVD**
SOUTH SAN FRANCISCO, CA
CONTRACTOR: **SOUTHERN HOSPITALITY SERVICES**
ARCHITECT: **ARRIS STUDIO ARCHITECTS**
CONSULTANT: -
DRAWN: W. CHERN DATE: 07/11/17
CHECKED: J. CAO APPROVED: J. CAO
ELEV. NO.: 1-2
DWS TITLE: **HATCH PLAN**
CONTRACT NO.: **ACAN-12352**
DWS NO.: **ROOD101**

MITSUBISHI ELECTRIC
Changes for the Better
ELEVATOR/ESCALATOR DIVISION



HATCH PLAN



RAIL REACTION LOAD (PIT)				
ELEV.	R1	R2	R3	R4
1 & 2	12,300 Lbs.	11,700 Lbs.	10,800 Lbs.	6,800 Lbs.

BUFFER LOAD (EACH)		
ELEV.	P1	P2
1 & 2	20,250 Lbs.	16,650 Lbs.



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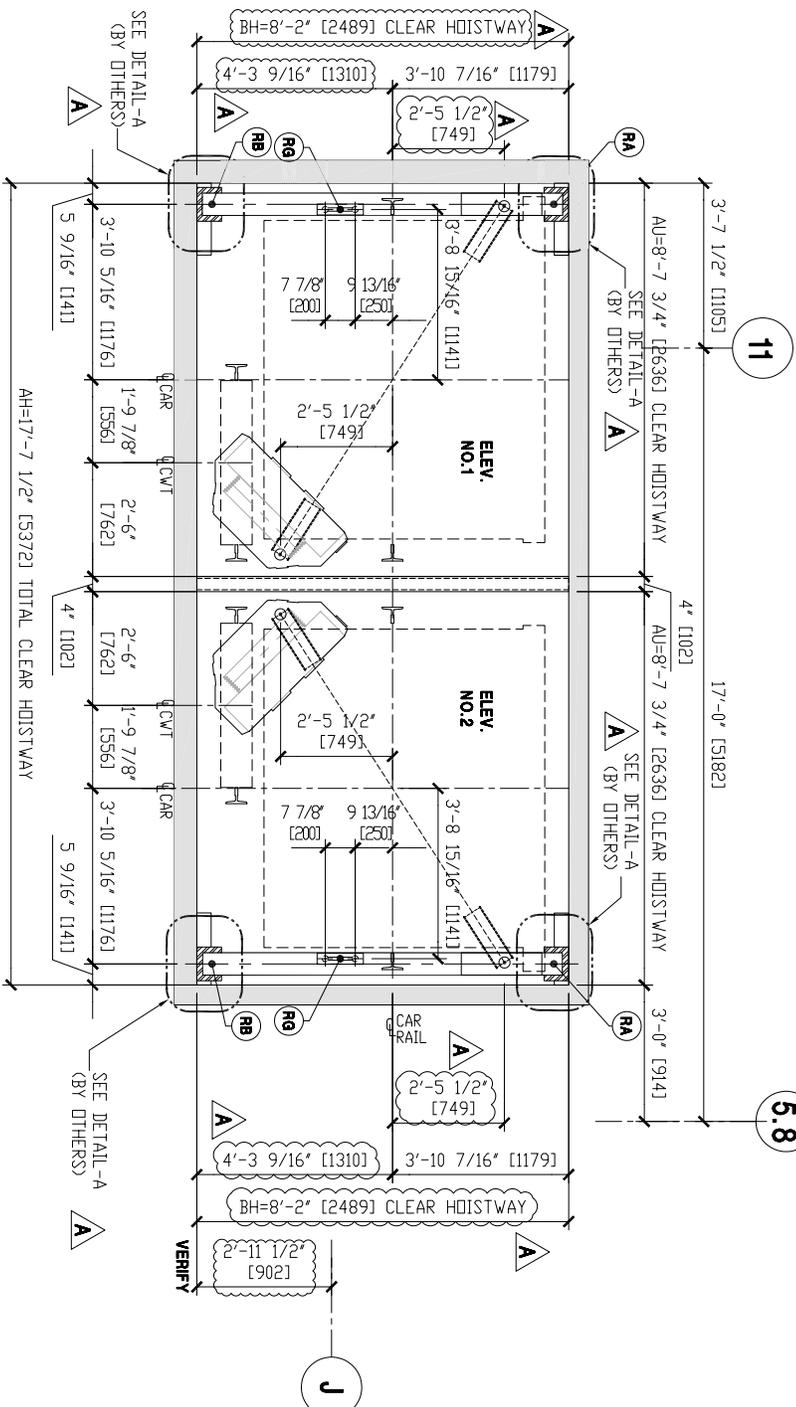
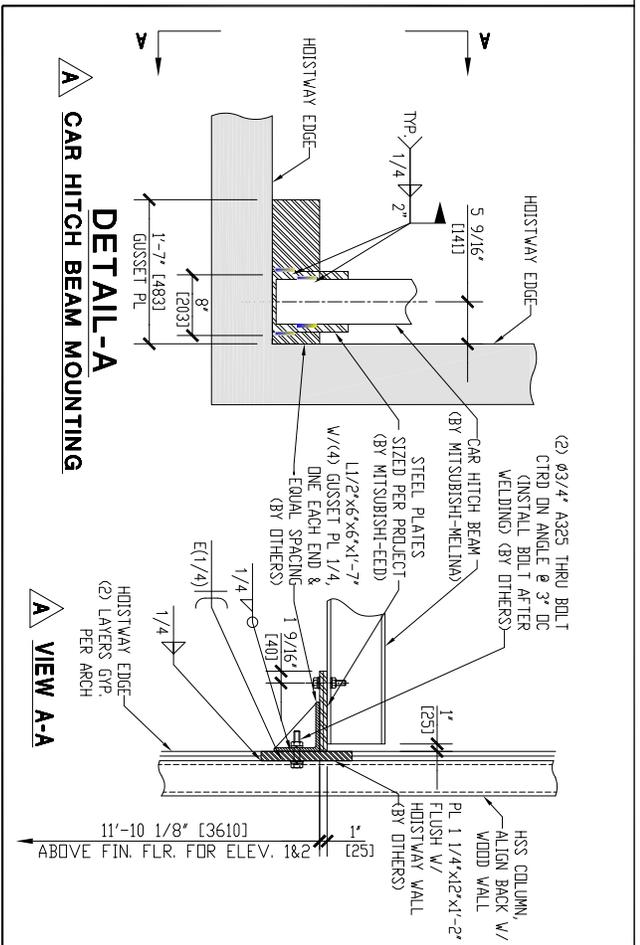
NO.	DATE	BY	REVISIONS
A	12/04/17	PL	MADE REVISIONS, FINALIZED DRAWING.

FINAL DRAWING
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 BARRED FOR APPROVAL
 FINAL DISTRIBUTION
 BARRED FINAL DISTRIBUTION

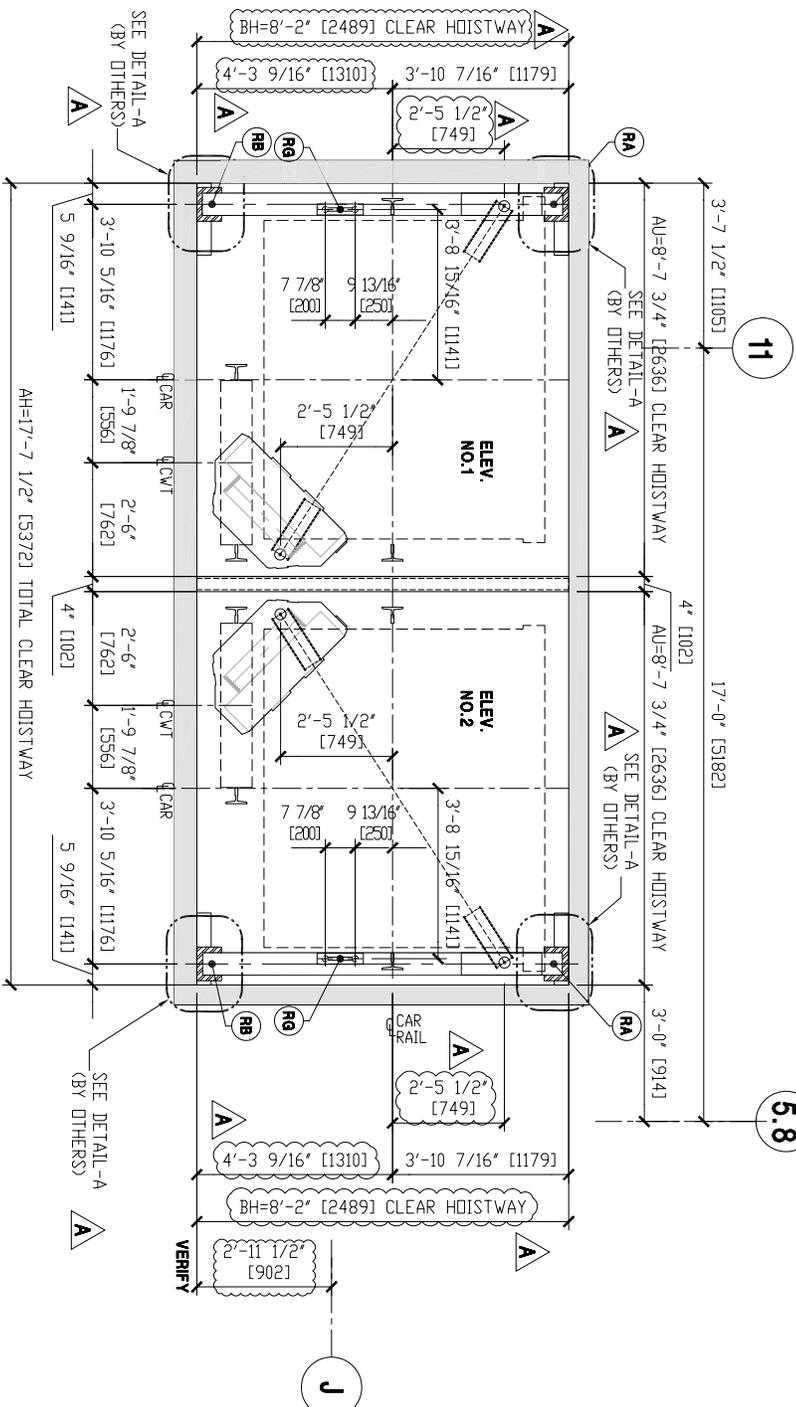
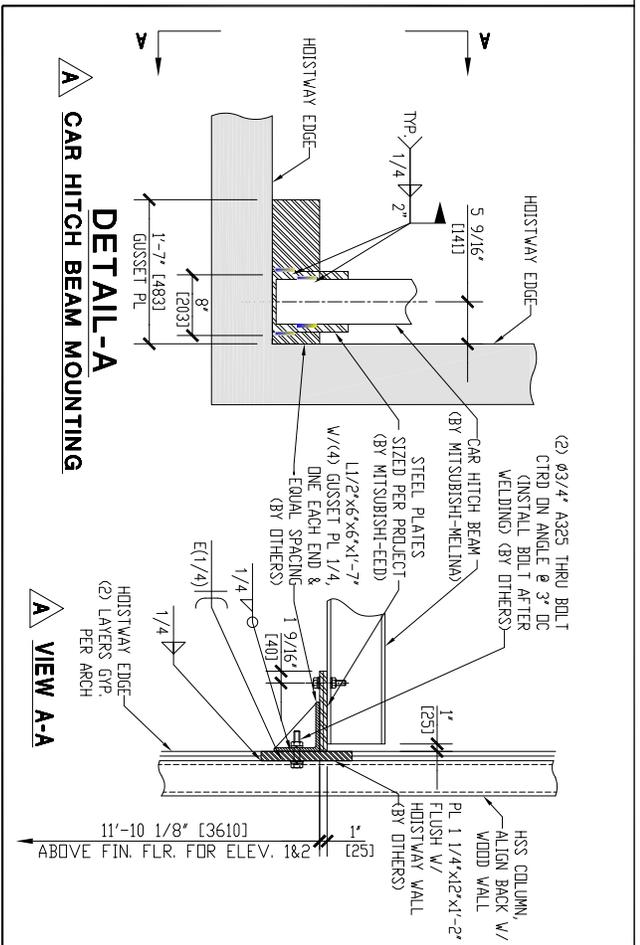
PROJECT: SSF HOTEL
ADDRESS: 550 GATEWAY BLVD
SOUTH SAN FRANCISCO, CA
CONTRACTOR: SOUTHERN HOSPITALITY SERVICES
ARCHITECT: ARRIS STUDIO ARCHITECTS
CONSULTANT: -
DRAWN: W. CHERN
CHECKED: J. CAO
ELEV. NO.: 1-2
DWG. TITLE: PIT & HOISTING BEAM PLAN
CONTRACT NO.: ACAN-12352
DWG. NO.: R00D102



OVERHEAD REACTION LOADS	
LOAD	STATIC
RA	4,300 Lbs.
RB	1,200 Lbs.
RG	1,000 Lbs AT SAFETY APPLICATION
	DYNAMIC
RA	8,400 Lbs.
RB	2,300 Lbs.



OVERHEAD REACTION LOADS	
LOAD	STATIC
RA	4,300 Lbs.
RB	1,200 Lbs.
RG	1,000 Lbs AT SAFETY APPLICATION
	DYNAMIC
RA	8,400 Lbs.
RB	2,300 Lbs.



OVERHEAD PLAN

NOTE:
 1. DIMENSIONS INSIDE BRACKETS ARE MILLIMETERS.
 2. DO NOT SCALE THIS DRAWING.

REVISIONS

NO.	DATE	BY	REVISIONS
A	12/04/17	PL	MADE REVISIONS, FINALIZED DRAWING.

FINAL DRAWING
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FOR APPROVAL FOR APPROVAL
 CHECKED FOR APPROVAL
 FINAL DISTRIBUTION
 DISPATCHED FINAL DISTRIBUTION

PROJECT: SSF HOTEL
ADDRESS: 550 GATEWAY BLVD
 SOUTH SAN FRANCISCO, CA
CONTRACTOR: SOUTHERN HOSPITALITY SERVICES
ARCHITECT: ARRIS STUDIO ARCHITECTS
CONSULTANT: -
DRAWN: W. CHERN
CHECKED: J. CAO
ELEV. NO.: 1-2
DWG. TITLE: OVERHEAD PLAN
CONTRACT NO.: ACAN-12352
DWG. NO.: R00D103

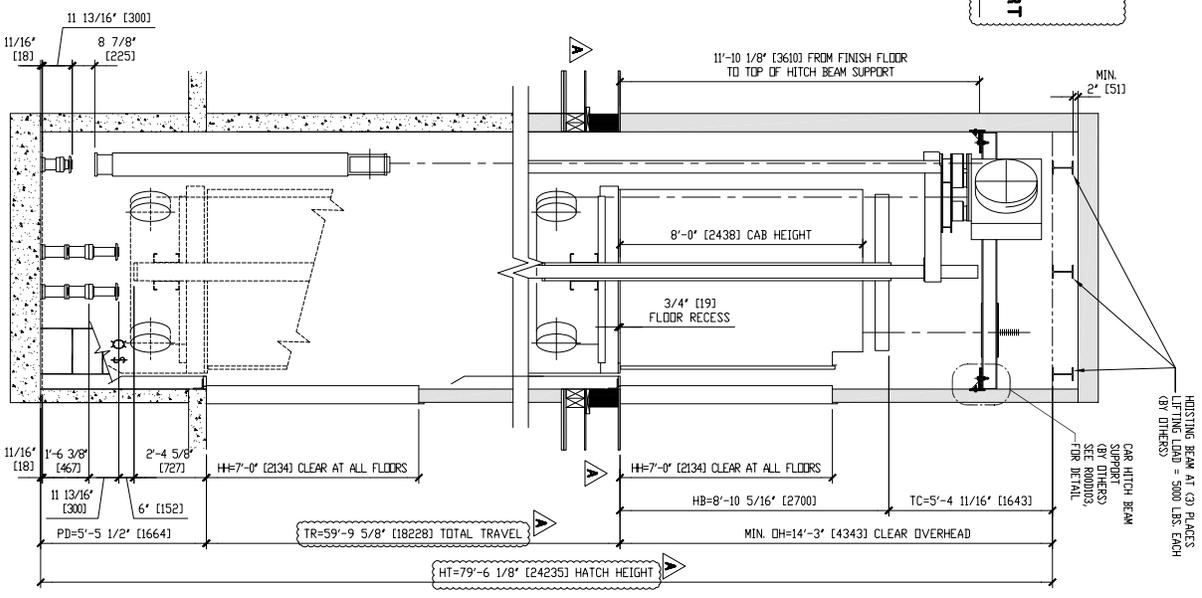


BOTTOM OF HOISTING BEAM
EL.+7'-4"-0 5/8"

LEVEL 6 F.F.
EL.+69'-9 5/8"

LEVEL *1 F.F.
EL.+0'-0"

PIT
EL.-5'-5 1/2"

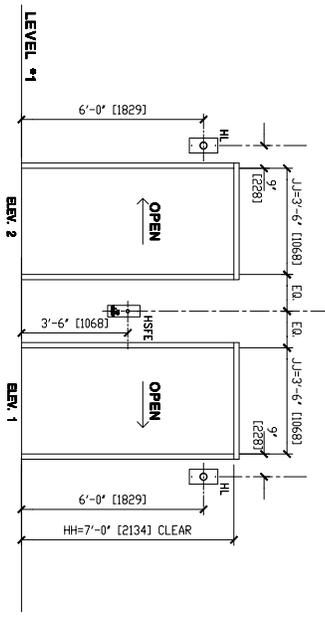
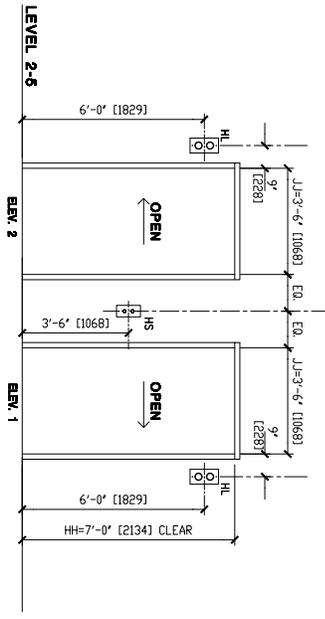
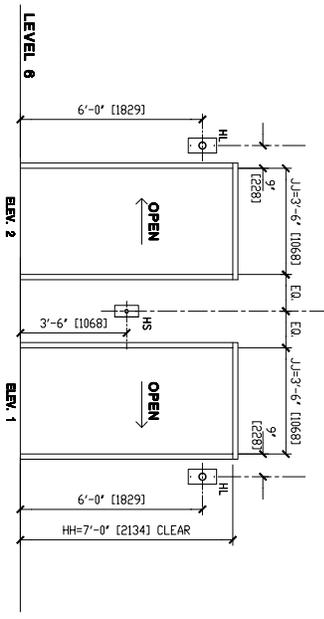


HOISTING BEAM AT (C) PLACES
LIFTING LOAD = 9000 LBS. EACH
(BY OTHERS)

CAR HITCH BEAM
SUPPORT (BY OTHERS)
SEE E00003,
FOR DETAIL

ELEV. 1 & 2
SHAFT ELEVATION
SUMP PIT, LADDER, L1/GFCI
OUTLET & SCREENING
(BY OTHERS)

LEGEND:
HSFE : HALL STATION W/ FE KEY SWITCH
HS : HALL STATION
HL : HALL LANTERN



FIXTURE LOCATIONS

EMERGENCY RECALL OPERATION	
DESIGNATED	*1
ALTERNATE	2

FLOOR TO FLOOR HEIGHT	HEIGHT
5 - 6	11'-9 5/16"
4 - 5	10'-10 3/4"
2 - 3	15'-4 1/16"
*1 - 2	

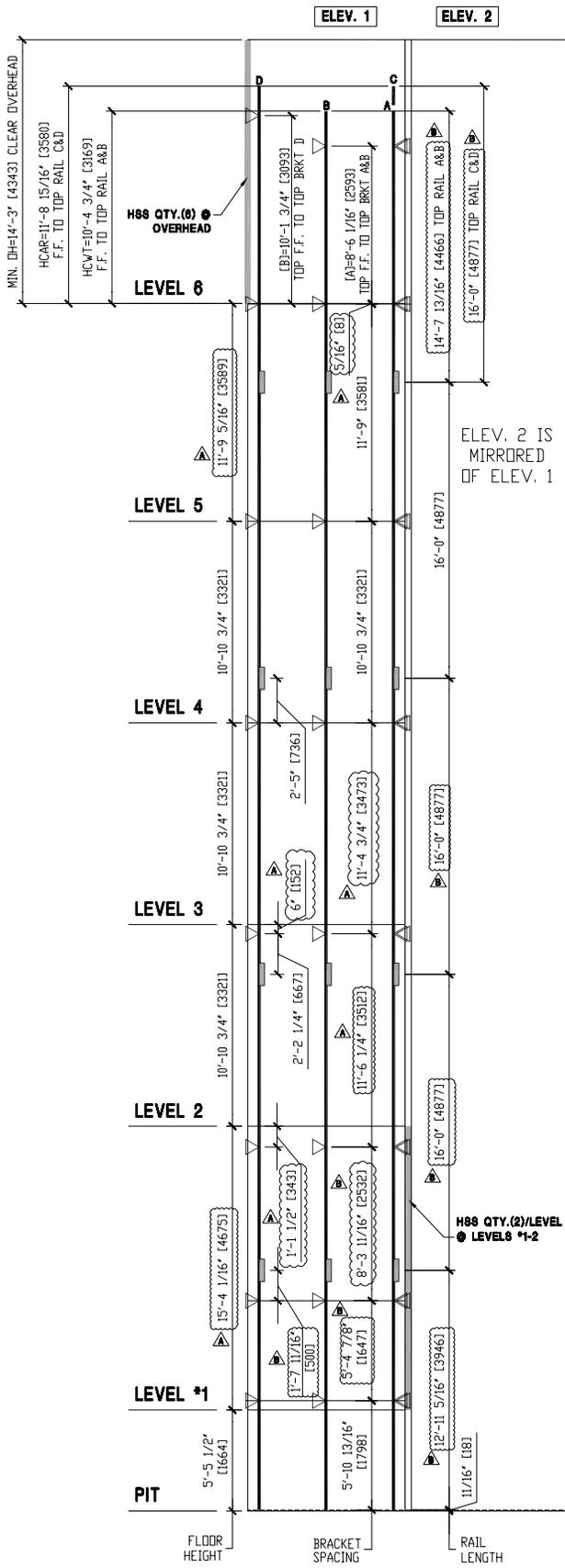
NOTE:
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2. DO NOT SCALE THIS DRAWING.

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NO.	DATE	BY	REVISIONS
A	12/04/17	PL	MADE REVISIONS, FINALIZED DRAWING.

PROJECT: SRF HOTEL
ADDRESS: 550 GATEWAY BLVD
SOUTH SAN FRANCISCO, CA
CONTRACTOR: SOUTHERN HOSPITALITY SERVICES
ARCHITECT: ABRIS STUDIO ARCHITECTS
CONSULTANT: -
DRAWN: W. CHEN
CHECKED: J. CAO
ELEV. NO.: 1-2
DWG. TITLE: SHAFT ELEVATION
CONTRACT NO.: ACAN-12352
DWG. NO.: R00D104

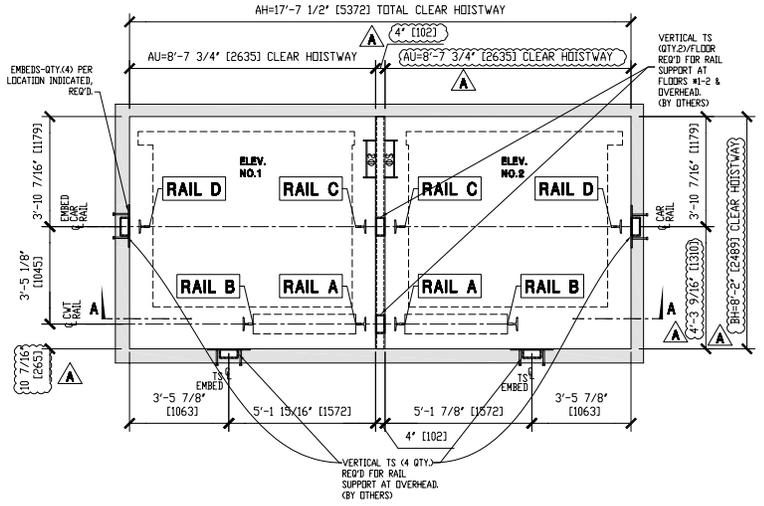




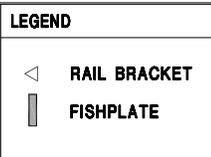
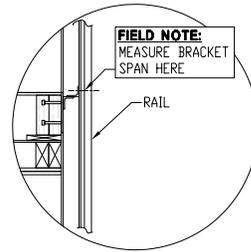
VIEW A-A

G.C. NOTES:

- 1) DISTANCE BETWEEN CAR RAIL BRACKETS CANNOT EXCEED 11'-9" [3581] VERTICAL SPACING FOR ELEV. 1 & 2.
- 2) LEVEL *1 HAS CONCRETE SHAFT WALLS, BUT VERTICAL HSS ARE STILL REQUIRED BETWEEN ELEV. 1 & 2 FOR LEVELS *1-2.
- 3) VERTICAL HSS (QTY. 2) REQUIRED AT *1-2 FOR ELEV. 1 & 2. (BY OTHERS)
- 4) VERTICAL HSS (QTY. 6) REQUIRED AT OVERHEAD FOR ELEV. 1 & 2. (BY OTHERS)
- 5) PL1/4"x12"x18" EMBEDS PROVIDED/INSTALLED BY GC.
 EMBEDS @ LEVEL 3-6: FLUSH WITH F.F.
 EMBEDS @ LEVEL 2: 14 1/2" BELOW F.F.
- 6) EMBEDS WILL BE PROVIDED BY MITSUBISHI AND INSTALLED BY OTHERS.
- 7) PIT LADDER, LIGHT, LIGHT SW, & GFCI OUTLET BY OTHERS.
- 8) MINIMUM DISTANCE BETWEEN CAR RAIL BRACKETS AND FISHPATE 1'-7 11/16" [500].



PLAN VIEW
RAIL SUPPORT LOCATION



NOTE:
 1. DIMENSIONS INSIDE BRACKETS ARE MILLIMETERS.
 2. DO NOT SCALE THIS DRAWING.

NO.	DATE	BY	REVISIONS
B	12/04/17	PL	MADE REVISIONS PER MELINA'S REQUEST.
A	12/04/17	PL	MADE REVISIONS, FINALIZED DRAWING.

FINAL DRAWING
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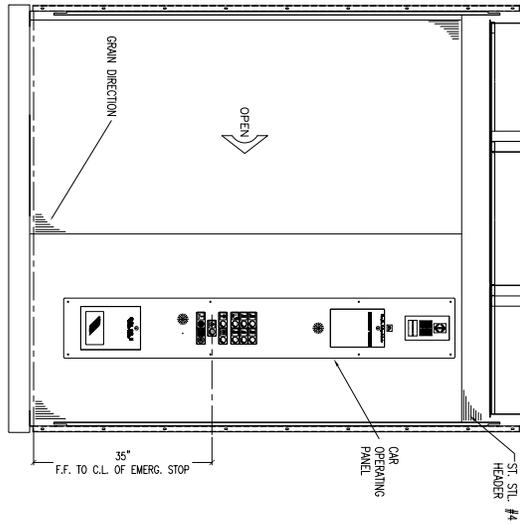
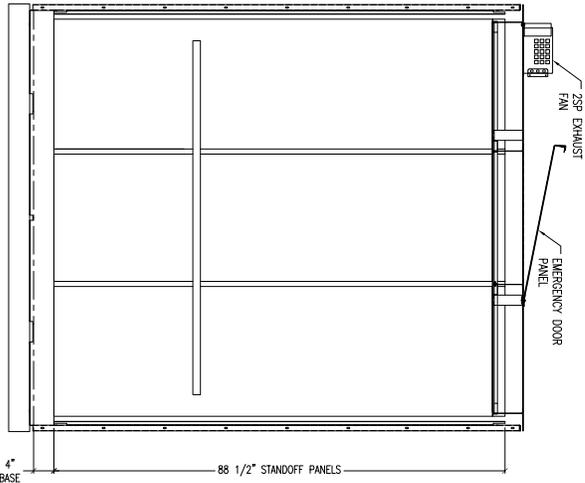
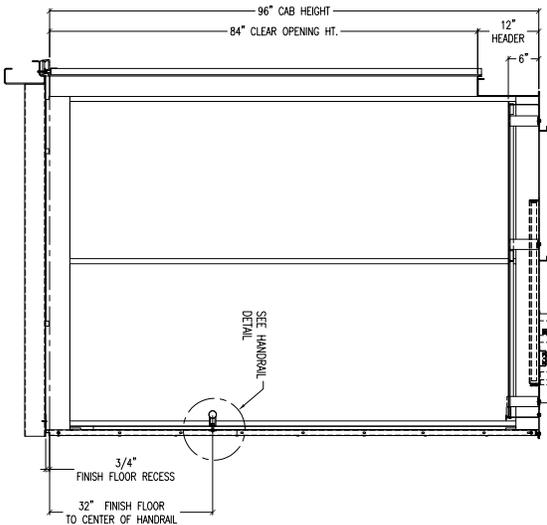
FOR APPROVAL
 REVISED FOR APPROVAL
 FINAL DISTRIBUTION
 REVISED FINAL DISTRIBUTION

PROJECT: **SSF HOTEL**
 ADDRESS: **550 GATEWAY BLVD**
SOUTH SAN FRANCISCO, CA
 CONTRACTOR: **SOUTHERN HOSPITALITY SERVICES**
 ARCHITECT: **ARRIS STUDIO ARCHITECTS**
 CONSULTANT: -
 DRAWN: W. CHEN
 CHECKED: J. CAO
 DATE: 07/17/17
 APPROVED: J. CAO
 ELEV. NO.: **1-2**
 DWG. TITLE: **RAIL SCHEDULE**
 CONTRACT NO.: **ACAN-12352**
 DWG. NO.: **ROOD105**



CAB SPECIFICATIONS

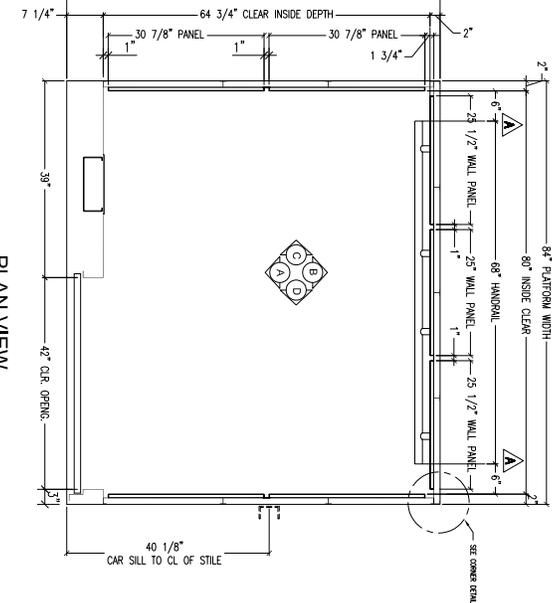
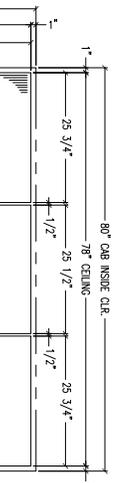
CAB TYPE	500 TYPE
CAPACITY	3500 LBS
OPENING	SS
CAB FINISHES	
WALL PANELS	FINISH P.LAM
COLOR	SKYLINE WALNUT 7984
FINISH	Ø 1 1/2" STAINLESS STEEL #4
HANDRAIL LOCATION	REAR WALL ONLY
FINISH	N/A
LOCATION	N/A
BUMPER	LOCATION
BASE	STAINLESS STEEL #4
REVEALS	STAINLESS STEEL #4
FRONT RETURN	STAINLESS STEEL #4
HEADER	STAINLESS STEEL #4
CAB DOOR(S)	STAINLESS STEEL #4
CAB SILL	ALUMINIUM
FLOOR RECESS	9/4"
CAB SILL EXTENSION	N/A
FINISH FLOOR	BY OTHERS
CEILING	24 LED DOWNLIGHTS
CAB OPERATING PANEL	PANELS STAINLESS STEEL #4
IN CAB LANTERN	N/A
EMERGENCY LIGHT(S)	WIRE 2 CAB LIGHTS
PAD	N/A
HOOKS	N/A
FAN	2(SPEED (MITS. STANDARD))
DOOR PROTECTION	MISS



VIEW "A"
ELEV. 2 SHOWN
(ELEV. 1 MIRROR)

VIEW "B"

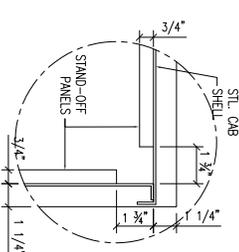
VIEW "C"
(VIEW "D" OPPOSITE)



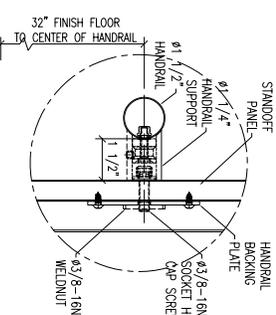
PLAN VIEW

REFLECTED CEILING VIEW

CORNER DETAIL



HANDRAIL DETAIL



GENERAL NOTES:
1. CAB INTERIOR COMPLIES WITH ASME 17.1

NOTE:
1. DO NOT SCALE THIS DRAWING.

NO.	DATE	BY	REVISIONS
A	12/04/17	PL	1. MADE REVISIONS, FINALIZED DRAWING.

FINAL DRAWING
THIS DRAWING HAS BEEN REVIEWED AND APPROVED FOR RELEASE FOR FABRICATION. ANY CHANGES MADE AFTER APPROVAL WILL RESULT IN ADDITIONAL COST AND COMPLETION TIME.

PROJECT: **SSF HOTEL**
ADDRESS: **660 GATEWAY BLVD
SOUTH SAN FRANCISCO, CA**
CONTRACTOR: **SOUTHERN HOSPITALITY SERVICES**
ARCHITECT: **ARRIS STUDIO ARCHITECTS**
CONSULTANT: -
DRAWN: **JC** DATE: **10/18/17**
CHECKED: **J. CAO** APPROVED: **J. CAO**
ELEV. NO.: **1 & 2**
DWG. TITLE: **CAB**
CONTRACT NO.: **ACAN-12952**
DWG. NO.: **R00D301**



