

WORK BY OTHERS

INSTALLATION WORK SHALL BE PERFORMED DURING REGULAR WORKING HOURS OF REGULAR WORKING DAYS AFTER HOISTWAY(S) AND MACHINE/CONTROL ROOM(S) HAVE BEEN PROPERLY PREPARED AS DESCRIBED IN THE FOLLOWING ITEMS. ALL ITEMS MUST BE PERFORMED OR FURNISHED AT NO COST TO SCHINDLER ELEVATOR CORPORATION ("SCHINDLER") BY THE OWNER OR GENERAL CONTRACTOR OR THEIR AGENTS IN ACCORDANCE WITH ALL GOVERNING CODES. THE PRICE AND INSTALLATION SCHEDULE OF SCHINDLER IS BASED ON THESE JOB-SITE CONDITIONS EXISTING AT THE BEGINNING AND DURING THE INSTALLATION OF THE ELEVATOR EQUIPMENT.

ALL WORK MUST BE PERFORMED PER THE LATEST APPLICABLE REVISION OF THE NATIONAL (ASME A17.1 OR CSA B44) AND/OR LOCAL CODES.

1.

CLEAR, PLUMB, HOISTWAY WITH VARIATIONS NOT TO EXCEED +25MM (+1") -0MM (-0") WITHIN THE FIRST 30.5M (100FT). TOLERANCE MAY INCREASE +0.8MM (1/32") FOR EACH ADDITIONAL 3.05M (10FT) UP TO A MAXIMUM OF +50MM (2"). PIT FLOOR TO BE DRY, LEVEL, FREE OF BUMPS AND DEBRIS. HOISTWAY ENCLOSURE TO BE FIRE RATED PER NATIONAL CODE REQUIREMENTS AND APPLICABLE BUILDING CODES (RULE 2.1.1). HOISTWAY, PIT, AND OVERHEAD DIMENSIONS TO BE AS SPECIFIED ON SCHINDLER FINAL LAYOUT DRAWING.
2.

ACCEPTABLE MATERIAL UNLOADING AREA WITHIN 30.5M (100FT) OF HOISTWAY WITH "ROLLABLE" ACCESS (PLANKED OR PAVED) OR UNINTERRUPTED USE OF A CRANE OR FORKLIFT AND OPERATOR AT NO COST TO SCHINDLER. DRY AND ENCLOSED STORAGE AREA OF ADEQUATE SIZE FOR ELEVATOR MATERIALS NEAR HOISTWAY. ANY WARRANTIES PROVIDED BY SCHINDLER FOR ELEVATOR EQUIPMENT ARE NULL AND VOID IF EQUIPMENT IS STORED IN A MANNER THAT DOES NOT COMPLY WITH THE REQUIREMENTS AS DEFINED ABOVE.
3.

POWER FOR CONSTRUCTION ADJACENT TO HOISTWAYS AND MACHINE/CONTROL ROOMS (110/220 VOLT, SINGLE PHASE, FOR WELDERS AND HOISTS) AND SUFFICIENT 3-PHASE POWER TO RUN ELEVATOR(S) AT THE SAME TIME. REFER TO SCHINDLER POWER SUPPLY DATA SHEET. TO MEET THE DATE UPON WHICH THE ELEVATORS ARE TO BE TURNED OVER, THE POWER FOR CONSTRUCTION AND PERMANENT 3-PHASE POWER MUST BE INSTALLED AND AVAILABLE PRIOR TO THE START OF ELEVATOR INSTALLATION.
4.

ALL WORK AREAS, INCLUDING HOISTWAY AND PIT, CLEAR OF DEBRIS. MAINTAIN MINIMUM TEMPERATURE OF 13°C (55°F). ADEQUATE WORK AREA IN FRONT OF GROUND FLOOR ENTRANCE REQUIRED. PROPER LIGHTING OF WORK AREAS.
5.

75° BEVEL GUARDS ON ALL PROJECTIONS, RECESSES OR SETBACKS OVER 100MM (4"), EXCEPT ON SIDE USED FOR LOADING/UNLOADING.
6.

PROVIDE VENTING OF THE HOISTWAY PER NATIONAL CODE REQUIREMENTS AND APPLICABLE BUILDING CODES (RULE 2.1.4). WHEN IBC COMPLIANCE IS REQUIRED, AN INDEPENDENT AC OR VENTING SYSTEM FOR THE ELEVATOR SYSTEM IS REQUIRED.
7.

DRIED-IN HOISTWAY(S) AND MACHINE/CONTROL ROOM(S).
8.

CLEAR, FLAT, VERTICAL OR HORIZONTAL SURFACES FOR MOUNTING RAIL BRACKETS AT EACH FLOOR, IN OVERHEAD, AND INTERMEDIATE LEVELS (IF REQUIRED) IN THE SAME VERTICAL PLANE AS THE CLEAR HOISTWAY LINE. THIS INCLUDES DIVIDER BEAMS BETWEEN CARS FOR MULTIPLE ELEVATORS IN A COMMON HOISTWAY. RAIL BRACKET SUPPORTS SHALL NOT INTRUDE INTO THE CLEAR HOISTWAY LINE. RAIL BRACKET SUPPORTS AND DIVIDER BEAMS IN THE OVERHEAD TO BE LOCATED APPROXIMATELY 610MM (24") BELOW THE ROOF OR MACHINE ROOM SLAB. SUPPLY VERTICAL FLAT PLATES ON WHICH TO MOUNT CAR RAIL BRACKETS IF GUSSET PLATES OBSCURE BEAM WEBS, SUCH AS IN WIND BRACING FRAMES. IF APPLICABLE, INTERMEDIATE BRACKET SUPPORTS BETWEEN FLOOR(S) AND IN THE OVERHEAD AREA MAY BE REQUIRED. REFER TO SCHINDLER FINAL LAYOUT DRAWINGS FOR MAXIMUM BRACKET SPACING AND ACTUAL SUPPORT LOCATIONS.
9.

FOR MASONRY BLOCK HOISTWAY CONSTRUCTION, SCHINDLER WILL PROVIDE RAIL BRACKET INSERTS FOR INSTALLATION BY OTHERS, LOCATED IN ACCORDANCE WITH THE SCHINDLER FINAL LAYOUT DRAWINGS. WHERE INSERTS ARE NOT USED, HOLLOW MASONRY BLOCKS ARE NOT ACCEPTABLE FOR BRACKET FASTENING. PROVIDE 125MM (5") CONCRETE BELT AROUND HOISTWAY OR OTHER ACCEPTABLE SUPPORT AT EACH FLOOR, IN OVERHEAD, AND INTERMEDIATE LEVELS (IF REQUIRED).
10.

BLOCKOUT/CUTOUT THROUGH WALL AS REQUIRED, TO ACCOMMODATE HALL BUTTON BOXES, SIGNAL FIXTURES, AND HATCH DUCT. PROVIDE FOR ANY REPAIRS SUCH AS GROUTING, PATCHING, PAINTING, OR FIRE PROOFING.
11.

FOR NON-MASONRY HOISTWAY CONSTRUCTION WITH FLOOR HEIGHTS EXCEEDING 4.5M (15FT), STRUCTURAL SUPPORT AT 2.4M (8FT) TO 4.5M (15FT) ABOVE FINISHED FLOOR LEVEL FOR ENTRANCE STRUT ANGLE ATTACHMENT.
12.

FOR MASONRY HOISTWAY WALLS AT ENTRANCES, PROVIDE ROUGH OPENING OF 203MM (8") ON EACH SIDE AND 203MM (8") ON TOP OF CLEAR OPENING FOR INSTALLATION OF DOORFRAMES AND SILLS. FOR DRYWALL HOISTWAY WALLS AT ENTRANCES, WALLS ARE TO BE BUILT AFTER DOORFRAMES AND SILLS ARE SET IN PLACE.
13.

GROUTING AROUND ENTRANCE FRAMES AND FINISHED FLOOR AND GROUT TO SILL LINE AFTER INSTALLATION OF ENTRANCE.
14.

CONSTRUCTION BARRICADES (PER OSHA REQUIREMENTS) EITHER OUTSIDE OF ELEVATOR HOISTWAY(S) OR BETWEEN ELEVATORS INSIDE OF HOISTWAY(S) AS REQUIRED. BARRICADES TO BE FREESTANDING AND REMOVABLE, LOCATED AT EACH HOISTWAY OPENING AT EACH FLOOR. BARRICADES SHALL BE ERCTED, MAINTAINED, AND REMOVED BY OTHERS.
- PROTECTION FROM FALLS

A.

AS REQUIRED BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 1926.502 B) (1-3) A FREESTANDING REMOVABLE BARRICADE AT EACH HOISTWAY OPENING AT EACH FLOOR. BARRICADES SHALL BE 42" HIGH, WITH MID-RAIL AND KICK BOARD, AND WITHSTAND 200 LBS. OF VERTICAL AND HORIZONTAL PRESSURE.

B.

AS REQUIRED BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) OSHA 1926.502(J) HOISTWAY PROTECTION FROM FALLING DEBRIS AND OTHER TRADES MATERIALS BY EITHER:

1.

8 FOOT SCREENING/MESH IN FRONT OF ALL ELEVATOR ENTRANCES

2.

SECURED/CONTROLLED ACCESS TO ALL ELEVATOR LOBBIES (LOCK AND KEY) WITH POSTED NOTICE " ONLY ELEVATOR PERSONNEL BEYOND THIS PROTECTION"
15.

DRY PIT REINFORCED TO SUSTAIN VERTICAL FORCES FROM RAILS AND IMPACT LOADS ON BUFFERS (RULE 2.2.2). CAR BUFFER IMPACT LOADS AS CALCULATED (RULE 8.2.3).
16.

ADEQUATE SEALING AND WATERPROOFING OF PIT. EFFECTIVE PREVENTION OF PIT EXPOSURE TO STORM WATER OR GROUND WATER.
17.

WHERE THERE IS A DIFFERENCE IN LEVEL BETWEEN THE FLOORS OF ADJACENT PITS, A METAL GUARD SHALL BE INSTALLED NOT LESS THAN 2000 MM (79") ABOVE THE LEVEL OF THE HIGHER PIT FLOOR (RULE 2.2.3.1). WHERE THE DIFFERENCE IN LEVEL IS 600 MM (24") OR LESS, A STANDARD RAILING CONFORMING TO RULE 2.10.2 SHALL BE PERMITTED (RULE 2.2.3.2).
18.

DRAINS & SUMPS IN ELEVATOR PITS, WHERE PROVIDED, SHALL COMPLY WITH THE APPLICABLE PLUMBING CODE, AND THEY SHALL BE PROVIDED WITH A POSITIVE MEANS TO PREVENT WATER, GASES AND ODORS FROM ENTERING THE HOISTWAY. SUMPS AND SUMP PUMPS IN PITS, WHERE PROVIDED, SHALL BE COVERED. THE COVER SHALL BE SECURED AND LEVEL WITH THE PIT FLOOR (RULES 2.2.2.4 AND 2.2.2.6) AND SHOULD BE LOCATED TO CLEAR ELEVATOR EQUIPMENT (CANNOT BE CONNECTED DIRECTLY TO STORM DRAIN OR SEWER). GFCI CONVENIENCE OUTLET AND LIGHT FIXTURE WITH GUARD IN PIT (NATIONAL ELECTRICAL CODE (NFPA 70 RULE 620-85) OR (CSA C22.1-02 SECTION 38-085)). MINIMUM LIGHTING TO BE 100 LUX (10FC) (RULE 2.2.5).
19.

PIT LADDER FOR EACH ELEVATOR IN COMPLIANCE WITH RULE 2.2.4.2. NEAREST POINT OF THE LADDER SHALL BE WITHIN 975MM (39"), MEASURED HORIZONTALLY FROM THE MEANS TO UNLOCK THE EGRESS DOOR FROM THE PIT. THE LADDER SHALL EXTEND NOT LESS THAN 1200MM (48") ABOVE THE SILL OF THE ACCESS DOOR. RUNGS OR CLEATS TO BE NON-SLIP AND SHALL BE SPACED 300MM (12") ON CENTER AND 400MM (16") WIDE (SEE RULE 2.2.4.2 FOR EXCEPTION WHEN UNAVOIDABLE OBSTRUCTIONS ARE ENCOUNTERED). LOCATE PER SCHINDLER FINAL LAYOUT DRAWINGS AND DRAWING DS823. ALL WALK-IN PITS MUST FOLLOW THE REQUIREMENTS OF RULE 2.2.4.5.
21.

GFCI CONVENIENCE OUTLET AND TELEPHONE OUTLET LOCATED IN MACHINE/CONTROL ROOM FOR EACH ELEVATOR (NATIONAL ELECTRICAL CODE (NFPA 70 RULE 620-85) OR (CSA C22.1-02 SECTION 38-085)). DEDICATED ANALOG TELEPHONE LINE CAPABLE OF OUTGOING AND INCOMING CALLS FOR EMERGENCY PHONE SYSTEM (RULES 2.27.1.1 & 2.27.1.2) AND SCHINDLER REMOTE MONITORING (SRM).
22.

MAIN POWER CIRCUIT

A.

JH: A DEDICATED LOCKABLE WALL-MOUNTED OR RECESSED SELF LOCKING PANEL WITH A FUSED DISCONNECT SWITCH OR CIRCUIT BREAKER (WHERE PERMITTED) SUITABLE FOR 3-PHASE POWER FOR THE ELEVATOR CONTROL, LOCATED IN A) THE BUILDING COMMON ELECTRICAL UTILITY ROOM, OR B) A BUILDING SERVICE CORRIDOR, OR C) ON / IN A WALL WITHIN SIGHT OF THE ELEVATOR INSPECTION AND TEST PANEL. DISCONNECT SWITCH OR BREAKER MUST ALSO HAVE AN AUXILIARY (DRY) CONTACT THAT IS POSITIVELY DRIVEN AND OPENS WHEN THE BREAKER OR SWITCH IS OPENED.

B.

JH1: ONLY WHEN MOTOR CONTROLLER IS LOCATED IN HOISTWAY: AN ADDITIONAL LOCKABLE WALL-MOUNTED NON-FUSED DISCONNECT SWITCH IN THE HOISTWAY, TO BE LOCATED ADJACENT TO THE MOTOR CONTROLLER. THIS DISCONNECT MUST ALSO A) BE LOCKABLE IN THE CLOSED POSITION WITH A LOCKING MECHANISM THAT CANNOT BE REMOVED FROM THE DEVICE AND B) HAVE AN AUXILIARY (DRY) CONTACT THAT IS POSITIVELY DRIVEN AND OPENS WHEN THE \ SWITCH IS OPENED. (SEE ALSO NFPA70 REQ. 620.51(C)(1) OR CSA C22.1 REQ. 38-051(6)).

C.

POWER WIRING FROM JHL TO THE CORRESPONDING INSPECTION AND TEST PANEL.

D.

OTHER SINGLE-PHASE FUSED DISCONNECT SWITCHES OR CIRCUIT BREAKERS FOR FUNCTIONS RELATED TO THE ELEVATOR, INCLUDING BUT NOT LIMITED TO POWER FOR RECEPTACLES, LIGHTING, REMOTE MONITORING EQUIPMENT, SEISMIC EQUIPMENT, AND PIT PUMPS, LOCATED ADJACENT TO THE 3-PHASE PANEL OR WITHIN THE 3-PHASE PANEL.

E.

WIRING FROM "OTHER" DISCONNECTS TO RECEPTACLES/LIGHTING DEVICES AT THE DESTINATIONS (PIT, TOP HOISTWAY, MACHINERY/CONTROL SPACES, CONTROL ROOMS, MONITORING STATIONS, ETC.)
23.

GENERAL

THE DEDICATED PANELS OUTSIDE THE HOISTWAY IDENTIFIED ABOVE AND THEIR LOCATION MUST BE IN AN AREA READILY ACCESSIBLE TO QUALIFIED/AUTHORIZED PERSONS (NFPA 70 REQ. 620.51(C)) OR / (CSA 22.1 REQ. 38-051(5)). ACCESS TO EACH DISCONNECT PANEL MUST REQUIRE A GROUP 2 KEY (ASME A17.1/CSA B44 REQ. 8.1.3). THE DISCONNECTS MAY ALSO BE LOCATED WITHOUT PANELS IN A GROUP 2 KEY SECURED ROOM IDENTIFIED AND DEDICATED FOR THE ELEVATOR APPARATUS ONLY.LOCATE AND MARK THE PANELS AND DISCONNECTS WITH APPROPRIATE SIGNAGE, (NFPA 70 REQ. 620-51 THROUGH 620-55) OR (CSA C22.1 REQ. 38-051 THROUGH 38-055). EACH DISCONNECT OR BREAKER ABOVE MUST BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION WITH A LOCKING APPARATUS (EXCLUDING LOCK ITSELF) THAT CANNOT BE REMOVED FROM THE DEVICES OR PANEL(S).

24.

OTHER EQUIPMENT/REQUIREMENTS:

A.

FOR THE MAIN POWER CIRCUIT ONLY:

1.

A 3-PHASE TRANSFORMER MAY BE SUPPLIED TO PROVIDE THE REQUIRED MOTOR CONTROLLER VOLTAGE IF NOT DIRECTLY AVAILABLE WITHIN THE BUILDING. WHEN SUPPLIED, IT IS PREFERABLE TO BE LOCATED IN A COMMON ELECTRICAL ROOM WITH OTHER BUILDING ELECTRICAL APPARATUS. SEE SCHINDLER POWER SUPPLY DATA SHEET.

2.

A LOCAL DISCONNECTING MEANS MUST BE PROVIDED IN THE FEEDER TO THIS TRANSFORMER (NFPA70-11 REQ. 450.14) OR (CSA C22.1-12 REQ. 26-250). WHEN THE JH DISCONNECT IS NOT LOCATED WITHIN SIGHT OF THE TRANSFORMER, AN ADDITIONAL (TRANSFORMER) DISCONNECT LOCATED WITHIN SIGHT OF THE TRANSFORMER SHALL BE PROVIDED BY THE BUILDING. THE INSTALLATION OF A TRANSFORMER DISCONNECT DOES NOT ELIMINATE THE NEED FOR THE JH DISCONNECT.

B.

FOR ALL POWER CIRCUITS

1.

IF A SPRINKLER HEAD IS LOCATED IN THE HOISTWAY OR OTHER DISCONNECT LOCATION, ANY DISCONNECT SERVED BY THAT SPRINKLER HEAD MUST BE NEMA 3 COMPLIANT. SPRINKLERS SHALL BE LOCATED AT THE TOP AND BOTTOM OF THE HOISTWAY PER NFPA 13-2010 REQUIREMENT 8.15.5.6 (SEE ALSO 8.15.5.3 AND A.8.15.5.3).

2.

IN US JURISDICTIONS ONLY, WHEN A SPRINKLER HEAD IS LOCATED IN THE HOISTWAY, THE BUILDING SHALL PROVIDE SHUNT TRIP ACTIVATION OF A) JH, THE MAIN DISCONNECT OR B) THE FEED TO THE MAIN DISCONNECT, TRIGGERED BY CONTACTS OF THE FIRE RECALL INITIATING DEVICES (AS DEFINED BY NFPA). THESE DEVICES, LOCATED IN THE HOISTWAY OR OTHER DISCONNECT LOCATION, SHALL PROVIDE INDEPENDENT DISCONNECTION OF ELECTRICAL POWER TO BOTH MAIN AND AUXILIARY POWER CIRCUITS PRIOR TO SPRINKLER ACTIVATION (ASME A17.1-2007/CSA B44-07 RULE 2.8.3.3. AND/OR LOCAL CODE).

3.

SHUNT TRIP, IF PROVIDED, MUST ALSO HAVE AN AUXILIARY CONTACT THAT FUNCTIONS THE SAME AS THOSE IN THE JH AND JH1 DISCONNECTS.

C.

FOR COMMUNICATIONS CIRCUITS

1.

AN ANALOG TELEPHONE LINE, ONE PER ELEVATOR, SHALL BE PROVIDED. LINE SHALL BE CAPABLE OF RECEIVING INCOMING AND MAKING OUTGOING CALLS. TELEPHONE LINE SHALL ORIGINATE AT THE INSPECTION AND TEST PANEL DESIGNATED BY SCHINDLER AND TERMINATE AT THE BUILDING PHONE SYSTEM.

2.

WHERE THE ELEVATOR RISE IS 18 M (60 FT) OR MORE, AN ADDITIONAL TELEPHONE / PHONE LINE SHALL BE PROVIDED WITHIN THE BUILDING AT A LOCATION ACCESSIBLE BY EMERGENCY PERSONNEL. THIS PHONE LINE SHALL SUPPORT EQUIPMENT THAT IS CAPABLE OF TWO-WAY ANALOG COMMUNICATIONS WITH EACH ELEVATOR CAR (VIA EACH CAR'S INSPECTION AND TEST PANEL) INDIVIDUALLY AND OVERRIDING COMMUNICATIONS BETWEEN THE ELEVATOR CAR AND LOCATIONS OUTSIDE OF THE BUILDING.

3.

TEXT TO TALK VIDEO IS SUPPLIED BY SCHINDLER ELEVATOR.

25.

A LOCKABLE, 13 1/2" X 15 1/2" X 3 1/2" (MINIMUM), METAL CABINET WITH GROUP-1 KEY TO HOUSE REQUIRED ELECTRICAL SCHEMATICS AND MAINTENANCE HISTORY DOCUMENTS, SHALL BE WALL MOUNTED, ADJACENT TO THE DISCONNECT SWITCH, BY OTHERS, AT THE TOP LANDING. THE SUPPLIER, LOCATION AND MOUNTING OF THE CABINET SHALL BE COORDINATED WITH SCHINDLER.

26.

PROVIDE SUITABLE FEEDER AND BRANCH WIRING CIRCUITS FROM THE BUILDING SERVICE TO THE CONTROLLER, INCLUDING MAIN LINE SWITCH, FOR SIGNAL SYSTEMS, POWER OPERATED DOORS, CAR LIGHTING AND CONVENIENCE OUTLETS. SEE SCHINDLER POWER SUPPLY DATA SHEET.

27.

PROVIDE EMERGENCY POWER TRANSFER SWITCH AND POWER CHANGE PENDING SIGNALS AS REQUIRED TO MASTER CONTROL.

28.

LIGHTING, VENTILATION, AND HEATING OF MACHINE/CONTROL ROOM, CONTROL SPACE AND MACHINERY SPACE (RULE 2.7.9)(A17.1 RULE 2.7.5; IBC 2006 SECTION 3006.2). MINIMUM LIGHTING TO BE 200 LUX (19FC). A SWITCH PLACED ADJACENT TO THE ENCLOSURE SHALL CONTROL LIGHTING FOR THE JAMB MOUNTED INSPECTION & TEST PANEL. MACHINE/CONTROL ROOM OR CONTROL SPACE TEMPERATURE TO BE MAINTAINED BETWEEN 5°C (41°F) AND 40°C (104°F) WITH LESS THAN 95% NON-CONDENSING HUMIDITY. INSPECTION AND TEST PANEL FLOOR LANDING MIN. 0°C (32°F) AND MAX 40°C (104°F) WITH LESS THAN 95% NON-CONDENSING HUMIDITY. SEE SCHINDLER POWER SUPPLY DATA SHEET FOR HEAT EMISSIONS.

29.

HOISTING BEAM(S), TRAP DOORS AND OTHER MEANS OF ACCESS TO MACHINERY SPACE OF ADEQUATE SIZE FOR MAINTENANCE AND EQUIPMENT REMOVAL (RULES 2.7.3.4 AND 2.9.3.3). HOISTING BEAM(S) IN EACH SHAFT LOCATED AND LOAD RATED PER SCHINDLER FINAL LAYOUT DRAWINGS. LIFTING POINTS OR BEAM(S) SHALL BE VISIBLY MARKED WITH THE SAFE WORKING LOAD.

30.

CLASS "ABC" FIRE EXTINGUISHERS IN ELECTRICAL MACHINERY AND CONTROL SPACE. EXTINGUISHERS SHALL BE LOCATED CONVENIENT TO ACCESS DOOR (RULE 8.6.1.6.5).

31.

FURNISH ADEQUATE ON-SITE REFUSE CONTAINERS FOR THE PROPER DISPOSAL OF ELEVATOR PACKAGING MATERIAL. IF ADEQUATE CONTAINERS ARE NOT FURNISHED, DISPOSAL OF PACKAGING MATERIAL SHALL BECOME THE RESPONSIBILITY OF THE OWNER.

32.

TEMPORARY SERVICE: SCHINDLER SHALL BE REIMBURSED FOR ANY LABOR AND MATERIAL THAT IS NOT PART OF THE PERMANENT ELEVATOR INSTALLATION AND THAT IS REQUIRED TO PROVIDE TEMPORARY ELEVATOR SERVICE. SCHINDLER'S TEMPORARY ACCEPTANCE FORM SHALL BE EXECUTED AND THE ELEVATOR INSPECTED BEFORE BEING PLACED INTO TEMPORARY SERVICE. THE COSTS ASSOCIATED WITH THE POWER, OPERATION, MAINTENANCE, AND REHABILITATION OF THE EQUIPMENT AND ANY CONSTRUCTION PERMITS OR FEES REQUIRED BY GOVERNING AUTHORITIES SHALL BE PAID FOR BY OTHERS.

33.

WHERE THERE IS A BLIND HOISTWAY, AN EMERGENCY DOOR SHALL BE INSTALLED AT EVERY THIRD FLOOR, BUT NOT MORE THAN 11M (36FT) FROM SILL TO SILL. THE CLEAR OPENING MUST BE AT LEAST 700MM (28") WIDE AND 2030MM (80") HIGH (RULE 2.11.1.2).

34.

A TEMPORARY WORK PLATFORM IS REQUIRED FOR INSTALLATION OF THE ELEVATOR - UNLESS OTHERWISE DIRECTED BY SCHINDLER. IT IS TO BE CONSTRUCTED AT THE TOP FLOOR OF EACH TRACTION ELEVATOR. IT MUST COMPLY WITH APPLICABLE GOVERNING CODES & REGULATIONS. THE PLATFORM SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE. ERECTION, MAINTENANCE, AND REMOVAL ARE BY OTHERS. (REFERENCE SCHINDLER DRAWING TD440)

35.

IN ADDITION TO THE ABOVE, THE FOLLOWING WORK MUST BE COMPLETED BEFORE ELEVATOR(S) ARE PLACED INTO AUTOMATIC OPERATION. (PRIOR TO CODE REQUIRED MUNICIPAL AUTHORITY INSPECTION. REFER TO SCHINDLER ACCEPTANCE INSPECTION STANDARD FORM).

A.

FINISHED CAB FLOORING AND IF APPLICABLE, FITTING OF INTERIOR CAB WALLS AND/OR CEILING.

B.

IF APPLICABLE, SMOKE AND/OR HEAT DETECTORS WITH SIGNALS TO ELEVATOR CONTROLLER(S).

C.

IF APPLICABLE, EMERGENCY POWER GENERATOR AND AUTOMATIC TRANSFER SWITCH WITH CAPACITY TO RUN AT LEAST ONE ELEVATOR AT A TIME.

D.

SEAL ALL PENETRATIONS THROUGH 2-HOUR (OR GREATER) RATED WALLS WITH CODE APPROVED MATERIAL. DRYWALL LINER BEHIND ALL WALL MOUNTED HALL FIXTURES.

E.

ALL RECEPTACLES INSTALLED IN MACHINE/CONTROL ROOMS, MACHINERY SPACES AND PITS MUST HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION (GFCI) (NEC 620 OR CSA 38).

F.

IF APPLICABLE, CONDUIT AND WIRING FOR FIRE ALARM SYSTEM TO EACH ELEVATOR CONTROL IN MACHINE/CONTROL ROOM.

G.

IF APPLICABLE, CONDUIT AND WIRE RUNS FOR EMERGENCY/RESCUE COMMUNICATIONS IN CENTRAL ALARM & CONTROL FACILITY, FIRE CONTROL ROOM, SECURITY DESK, ETC.

H.

IF APPLICABLE, CONDUIT AND WIRE RUNS FOR REMOTE ALARM BELL FROM MACHINE/CONTROL ROOM TO REMOTE LOCATION.

I.

ADEQUATE LIGHTING OF BUILDING CORRIDORS SO THAT ILLUMINATION AT THE LANDING SILL IS MINIMUM 100 LUX (10FC) (RULE 2.11.10.2).

J.

NFPA 72 (FIRE APPARATUS CODE) REQ. 6.15.2.2 REQUIRES THE FIRE CONTROL PANEL RELAYS THAT PROVIDE THE DRY CONTACTS TO OUR CONTROLLER NOT BE LOCATED MORE THAN 3 FEET FROM THE INSPECTION & TEST PANEL JAMB.

YOU AGREE TO INDEMNIFY AND SAVE SCHINDLER HARMLESS AGAINST ANY AND ALL LIABILITY AND COSTS ARISING OUT OF YOUR FAILURE TO CARRY OUT ANY OF THE FOREGOING REQUIREMENTS.

CHANGE NOTICES MUST BE RECEIVED AND FULLY EXECUTED PRIOR TO SCHINDLER ELEVATOR COMPANY PERFORMING ANY ADDITIONAL WORK OUTSIDE OF THE SCOPE OF THE BASE CONTRACT. WRITTEN OR VERBAL NOTICES WILL NOT BE ACCEPTED AS A SUBSTITUTE FOR A FULLY EXECUTED CHANGE NOTICE.

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| 001 | FINALS | 05/31/2022 | DJI |
| SUB | REVISION DESCRIPTION | DATE | APPVD. |
| <div><div><div><div><div><div></div></div><div>Schindler</div></div><div>Schindler Elevator Corp. 20 Whippany Road Morristown, NJ 07960 Tel. +1 973.397.6500 www.us.schindler.com</div></div></div><div><div>GC PACKAGE WORK BY OTHERS</div><div>3300</div></div></div> | | | |
| BUILDING: | | STEAMBOAT PLAZA BUILDING | |
| LOCATION: | | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | |
| OWNER: | | GENSLER | |
| ARCHITECT: | | GENSLER | |
| GEN. CONTRACTOR: | | SAUNDERS CONSTRUCTION, INC | |
| ENGINEER: | | DANIEL IANNELLI | |
| DATE: | | 05/31/2022 | |
| GO # | SUB. | CAR | SHEET |
| GRP7783 | 001 | 01 | 1 OF 11 |

WE INVITE YOU TO VISIT OUR WEB SITE: <http://www.us.schindler.com>

| GENERAL | |
|--------------------------|----------------------------------|
| CAR NUMBER | 01 |
| ELEVATOR TYPE | GENERAL PURPOSE |
| CAPACITY / LOADING CLASS | 3000 lbs [1360 KG] / CLASS A |
| SPEED (VKN) | 150 fpm [0.75 m/s] |
| CONTROL SYSTEM | NX100 |
| CONTROL TYPE | SELECTIVE COLLECTIVE AUTOMATIC |
| DRIVE SYSTEM | VARIODOYN |
| MACHINE VOLTAGE | 480 |
| DRIVE TYPE | VAF023_480 |
| SEISMIC ZONE / CATEGORY | B |
| LOCAL REGULATION CODE | CO1, A17.1 - 2019 |
| LOCAL BUILDING CODE | IBC 2018 |
| NFPA13 CODE | 2016 |
| FIREFIGHTER CAR | NO |
| STRETCHER CAR | NO |
| CP NUMBER | N/A |
| HOISTWAY | |
| MACHINE/CWT LOCATION | ON RAIL IN OVERHEAD |
| OVERHEAD (HSK) | 12'-8" [3861 mm] |
| TRAVEL (HQ) | 30'-0 3/4" [9163 mm] |
| PIT DEPTH (HSG) | 5' [1524 mm] |
| HOISTWAY WIDTH (BS) | 8'-8" [2642 mm] |
| HOISTWAY DEPTH (TS) | 7' [2134 mm] |
| ENTRANCES (OPENINGS) | 3 (3 FRONT / 0 REAR) |
| QUANTITY OF LANDINGS | 3 |
| PIT SET DRILLING | YES |
| TRACTION | |
| MACHINE TYPE | FMB130-NN-4D400 |
| MACHINE HORSEPOWER | N/A |
| BRAKE ASSEMBLY TYPE | FMB130-NN-4D400 |
| BRAKE MODEL | LEROY SOMER MAGNETIC DISK BRAKE |
| BRAKE QUANTITY/TYPE | 2 MAGNETIC DISK BRAKES |
| DRIVE/CAR SHEAVE DIA | 3.4" (87 MM) |
| STM BELT TYPE | STM-PV30 (FIRE RATED) |
| STM QTY | 4 |
| STM LENGTH (EACH) | 108' [32.9 M] |
| STM TRIP COUNT LIMIT | 1000000 |
| ROPING | 2:1 |
| ENTRANCES | |
| LANDING DOOR TYPE-FRONT | SINGLE SPEED CENTER OPENING (C2) |
| LANDING DOOR TYPE-REAR | N/A |
| DOOR WIDTH (BT) | 3'-6" [1067 mm] |
| DOOR HEIGHT (HT) | 7' [2134 mm] |
| CAB HEIGHT (HK) | 7'-9 1/8" [2366 mm] |
| LANDING DOOR LOCK TYPE | FERMATOR |
| LANDING DOOR FIRE RATING | UL 10B 1.5 HOURS |
| DOOR OPERATOR TYPE | FERMATOR COMPACT |
| DOOR CLUTCH TYPE | FERMATOR COMPACT |

CAR ENCLOSURE MEETS THE EQUIVALENT DEFLECTION AND ALLOWABLE STRESS REQUIREMENTS OF 2.15.10 AND 2.15.11

FIELD NOTES:
- MEETS ASME A17.1, ADA AND LOCAL CODES.
- STM TWIST 180 DEGREES BETWEEN CAR AND MACHINE.
- PER ASME A17.1-2019/CSA B44-07 WITH ADDENDAS A-2008 AND B-2009 AND EDITION 2010 INCLUDES COMMUNICATIONS FAILURE INDICATOR TO BE LOCATED IN VICINITY OF PHASE 1 FIRE RECALL SWITCH.
- THIS CONTRACT COMPLIES WITH ASME A17.1-2007/CSA B44-07 WITH ADDENDAS A-2008 AND B-2009 AND EDITION 2010 AND WHERE APPLICABLE INCLUDES EXCEPTION TO THOSE POINTS COVERED UNDER THE ACCOMPANYING VARIANCE DOCUMENTS RELATED TO THE SUSPENSION SYSTEM AND GOVERNOR ROPES THAT CONFORM TO THE LATTER 2010 EDITION AND TO ASME A17.6-2010.

| SAFETY ELEMENTS & GUIDE RAILS | |
|---------------------------------------|----------------------------|
| CAR NUMBER | 01 |
| CAR SAFETY TYPE | SCHINDLER-RF1 |
| CAR GOVERNOR TYPE | SA GBP 202 |
| CAR GOV. ROPE LENGTH | 96.00' [29 m] |
| CAR GOV. ROPE TYPE | 6MM DIA. |
| CAR GUIDERAILS | 12 lbs/ft (T127-1/B) |
| CWT GUIDERAILS | 6 lbs/ft (T75) |
| CAR GUIDESHOE TYPE | SLIDING |
| CWT GUIDESHOE TYPE | SLIDING |
| CAR BUFFER TYPE | SPRING (H06) |
| CAR BUFFER QTY | 2 |
| CAR BUFFER STROKE | 2 1/2" [64 mm] |
| CAR BUFFER SPRING OUTER DIA. / LENGTH | 4.9 [124] / 6.8 [172] |
| CAR RUNBY | 6" [152 mm] |
| CWT BUFFER TYPE | SPRING (H01) |
| CWT BUFFER QTY | 1 |
| CWT BUFFER STROKE | 2 1/2" [64 mm] |
| CWT BUFFER SPRING OUTER DIA. / LENGTH | 3.62 [91.9] / 9.18 [233.2] |
| CWT RUNBY | 6" [152 mm] |

| ELECTRICAL DATA | |
|--------------------------------|-------|
| MAIN POWER SUPPLY VOLTAGE (UN) | 480V |
| MAIN POWER PHASE | 3 |
| MAIN POWER FREQUENCY | 60 Hz |
| EMERGENCY POWER OPERATION | NO |
| BATTERY BACKUP (AUTO EVAC) | YES |
| AUTOTRANSFORMER | NO |

| SYSTEM WEIGHTS | |
|-------------------------------|---------------------|
| CAR NET AREA | 33.25 ft2 [3.09 m2] |
| CAR FLOOR THICKNESS (HKZ) | 3/8" [10 mm] |
| CAR ADDITIONAL WEIGHT | 0 LBS [0 KG] |
| CAR WEIGHT | 2320 LBS [1052 KG] |
| MASS ACTING ON SAFETIES (GKU) | 5329 LBS [2417 KG] |
| CWT WEIGHT | 3826 LBS [1735 KG] |
| CWT PERCENTAGE | 50% |
| FLOOR WEIGHT BY OTHERS | 200 LBS [91 KG] |

| CONTROL OPTIONS | |
|--------------------------------------|-----------------------------|
| EMERGENCY SERVICE / CODE BLUE | NO |
| HALL SECURITY | HALL CARD READER PROVISIONS |
| CAB SECURITY | CAR CARD READER PROVISIONS |
| VIP SERVICE | NO |
| WATER DETECTION IN PIT | NO |
| TEXT/VIDEO COMMUNICATION | YES |
| LOBBY VISION INTERFACE | NO |
| STATUS (FIREFIGHTER) PANEL INTERFACE | NO |

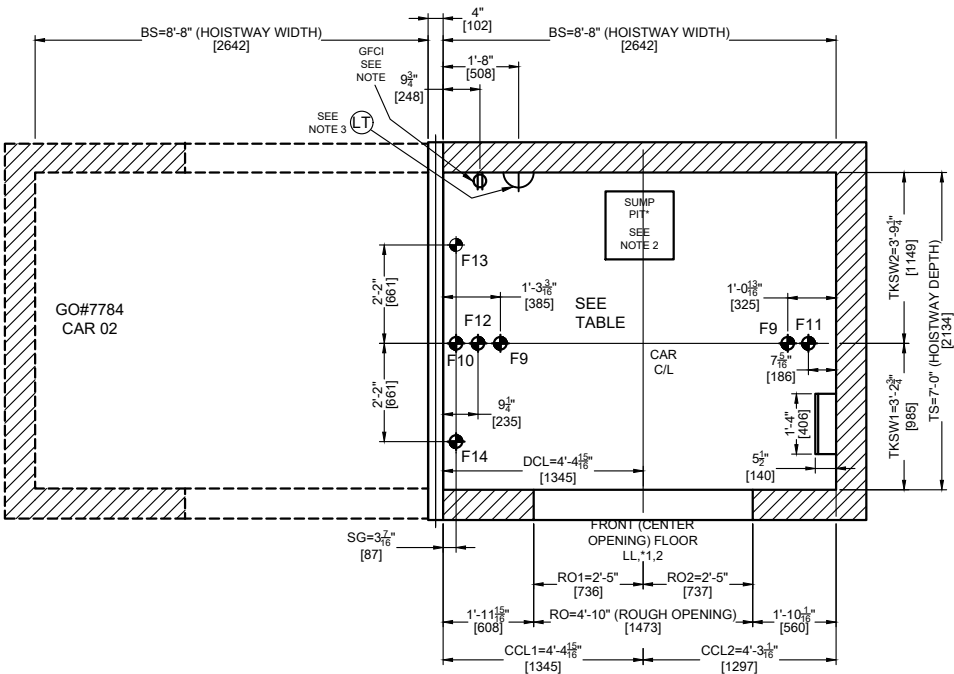
| ACRONYM | DEFINITION |
|---------|---|
| BGS | DISTANCE BETWEEN COUNTERWEIGHT GUIDE RAILS |
| BIA | BUFFER IMPACT ASSEMBLY |
| BK | CAR WIDTH (INSIDE) |
| BKE | CAR ENTRANCE CLEAR WIDTH |
| BKF1 | CAB INSIDE WALL WIDTH (FRONT LEFT) |
| BKF2 | CAB INSIDE WALL WIDTH (FRONT RIGHT) |
| BKF3 | CAB INSIDE WALL WIDTH (REAR RIGHT) |
| BKF4 | CAB INSIDE WALL WIDTH (REAR LEFT) |
| BKS | DISTANCE BETWEEN CAR GUIDE RAILS |
| CCL1 | CAR C/L TO MACHINE/CWT SIDE WALL |
| CCL2 | CAR C/L TO LONE RAIL WALL SIDE |
| CCU | CAR CONTROL UNIT |
| CIN | CAR LANTERN |
| COP | CAR OPERATING PANEL |
| DCL | DOOR C/L |
| F | FORCE ON GUIDE SHOE IN DIRECTION OF GUIDE RAIL AXIS ON CAR SIDE OR CWT SIDE |
| FF1 | REFER TO F FOR ACTING FORCES ON CAR SIDE |
| FF1g | REFER TO F FOR ACTING FORCES ON CWT SIDE |
| FF2 | REFER TO P FOR ACTING FORCES ON CAR SIDE |
| FF2g | REFER TO P FOR ACTING FORCES ON CWT SIDE |
| F11 | FORCE OF LONE CAR RAIL ON HOISTWAY PIT |
| F9 | FORCE OF CAR BUFFER ON HOISTWAY PIT |
| F10 | FORCE OF CWT BUFFER ON HOISTWAY PIT |
| F12 | FORCE OF CWT-SIDE CAR RAIL ON HOISTWAY PIT |
| F14 | FORCE OF CWT RAIL ON FRONT OF HOISTWAY PIT |
| F13 | FORCE OF CWT RAIL ON REAR OF HOISTWAY PIT |
| HE | FLOOR TO FLOOR DISTANCE |
| HF | DISTANCE BETWEEN GUIDE RAIL BRACKETS |
| HGU | CAR FRAME BOTTOM HEIGHT |
| HK | CAR HEIGHT |

| ACRONYM | DEFINITION |
|---------|---|
| HKA | CAR TOE GUARD HEIGHT |
| HKB | PLATFORM & FLOORING THICKNESS |
| HP CAR | FULL CAR BUFFER HEIGHT |
| HP CWT | FULL CWT BUFFER HEIGHT |
| HPE CAR | HEIGHT OF COMPRESSED CAR BUFFER |
| HPE CWT | HEIGHT OF COMPRESSED CWT BUFFER |
| HSS1 | HEIGHT OF CAR PLINTH |
| HSS2 | HEIGHT OF CWT PLINTH |
| JH1 | AUXILIARY DISCONNECT |
| JH | MACHINE DISCONNECT |
| JHL | CAR SUPPLY DISCONNECT |
| LIN | HALL LANTERN |
| LOP | HALL PUSH BUTTON |
| LDU | LANDING DOOR UNIT, PROVIDES INSPECTION AND TEST PANEL ACCESS |
| LF CAR | CAR RAIL LENGTH |
| LF CWT | CWT RAIL LENGTH |
| P | FORCE ON GUIDE SHOE PERPENDICULAR TO GUIDE RAIL AXIS ON CAR OR CWT SIDE |
| RO | ROUGH OPENING |
| SF1 | LEFT HW WALL TO BASE OF CAR RAIL DISTANCE |
| SF2 | RIGHT HW WALL TO BASE OF CAR RAIL DISTANCE |
| SG | HW WALL TO CWT C/L |
| SKO | OVER-TRAVEL OF CAR ABOVE |
| SKS | HALF-GRAVITY STOPPING DISTANCE |
| SKU | OVER-TRAVEL OF CAR CAR BELOW |
| STM | SUSPENSION TRACTION MEDIA |
| TA | AUTOTRANSFORMER 20KVA |
| TAS | CONTROL TRANSFORMER 1KVA |
| TCRR | TOP OF CAR RAIL |
| TCWR | TOP OF COUNTERWEIGHT RAIL |
| TG | COUNTERWEIGHT DEPTH |
| TK | CAR DEPTH (INSIDE) |
| TKA | CAR SILL TO INSIDE CAR WALL |
| TKS | RUNNING CLEARANCE |
| TKSW1 | CAR C/L TO FRONT HW WALL DISTANCE |
| TKSW2 | CAR C/L TO REAR HW WALL DISTANCE |
| TSU | TRANSFER SWITCH UNIT |
| TSW | ENTRANCE SILL DEPTH |
| XCW | CWT C/L TO CAR GUIDE RAIL BASE DISTANCE |

| | | | |
|---|---|--|---------|
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| 001 | FINALS | 05/31/2022 | DJI |
| SUB | REVISION DESCRIPTION | DATE | APPVD. |
| <div><div></div><div><div>Schindler Elevator Corp. 20 Whippany Road Morristown, NJ 07960</div><div>Tel. +1 973.397.6500 www.us.schindler.com</div></div></div> | | GC PACKAGE SPECIFICATIONS & DATA 3300 | |
| BUILDING: | STEAMBOAT PLAZA BUILDING | | |
| LOCATION: | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | | |
| OWNER: | GENSLER | | |
| ARCHITECT: | GENSLER | | |
| GEN. CONTRACTOR: | SAUNDERS CONSTRUCTION, INC | | |
| ENGINEER: | DANIEL IANNELLI | | |
| DATE: | 05/31/2022 | | |
| GO # | SUB. | CAR | SHEET |
| GRP7783 | 001 | 01 | 2 OF 11 |

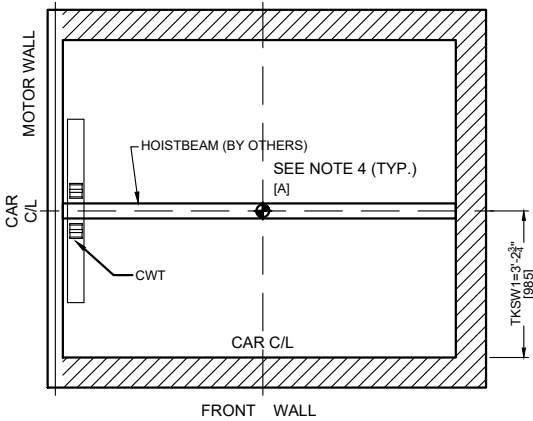
NOTES:

- GUIDE RAILS INCLUDE SAFETIES APPLICATION, GOVERNOR LOAD AND EQUIPMENT ON RAILS.
- SUMP PIT IN ELEVATOR PITS, WHERE PROVIDED, SHALL COMPLY WITH THE APPLICABLE PLUMBING CODE, AND THEY SHALL BE PROVIDED WITH A POSITIVE MEANS TO PREVENT WATER, GASES AND ODORS FROM ENTERING THE HOISTWAY. SUMPS AND SUMP PUMPS IN PITS, WHERE PROVIDED, SHALL BE COVERED. THE COVER SHALL BE SECURED AND LEVEL WITH THE PIT FLOOR PER APPLICABLE A17.1 EDITION AND SHOULD BE LOCATED TO CLEAR ELEVATOR EQUIPMENT (CANNOT BE CONNECTED DIRECTLY TO STORM DRAIN OR SEWER). PLACEMENT OF SUMP PUMP SHALL NOT IMPEDE ON DESIGNATED REFUGE SPACE. SUMP PITS INCLUDING PUMPS AND PIPES MUST BE LOCATED AT A MINIMUM OF 12" FROM RAIL FOOT PRINT (REFER TO HATCH PLAN). ONLY ONE SUMP PUMP REQUIRED IF HOISTWAYS ARE OPEN TO EACH OTHER. COORDINATE SUMP LOCATION WITH SCHINDLER SUPERINTENDENT.
- PIT LIGHT ("LT") & GFCI BY OTHERS. LOCATE ON REAR WALL NO LESS THAN 32" [813] BELOW BOTTOM LANDING.
- GC TO PROVIDE AND INSTALL STEEL I-BEAM(S) AS SHOWN IN THE OVERHEAD HOISTBEAMS DETAIL. EACH BEAM SHOULD BE CAPABLE OF WITHSTANDING A MINIMUM LIVE LOAD [A] OF 7500 lbs [3402 kg], PLACED ANYWHERE ALONG THE SPAN.



*1 DIVIDER BEAMS SIZED AND PROVIDED BY GC (RECTANGULAR STRUCTURAL STEEL TUBING RECOMMENDED, SHORT SIDE 4" [102] WIDE)

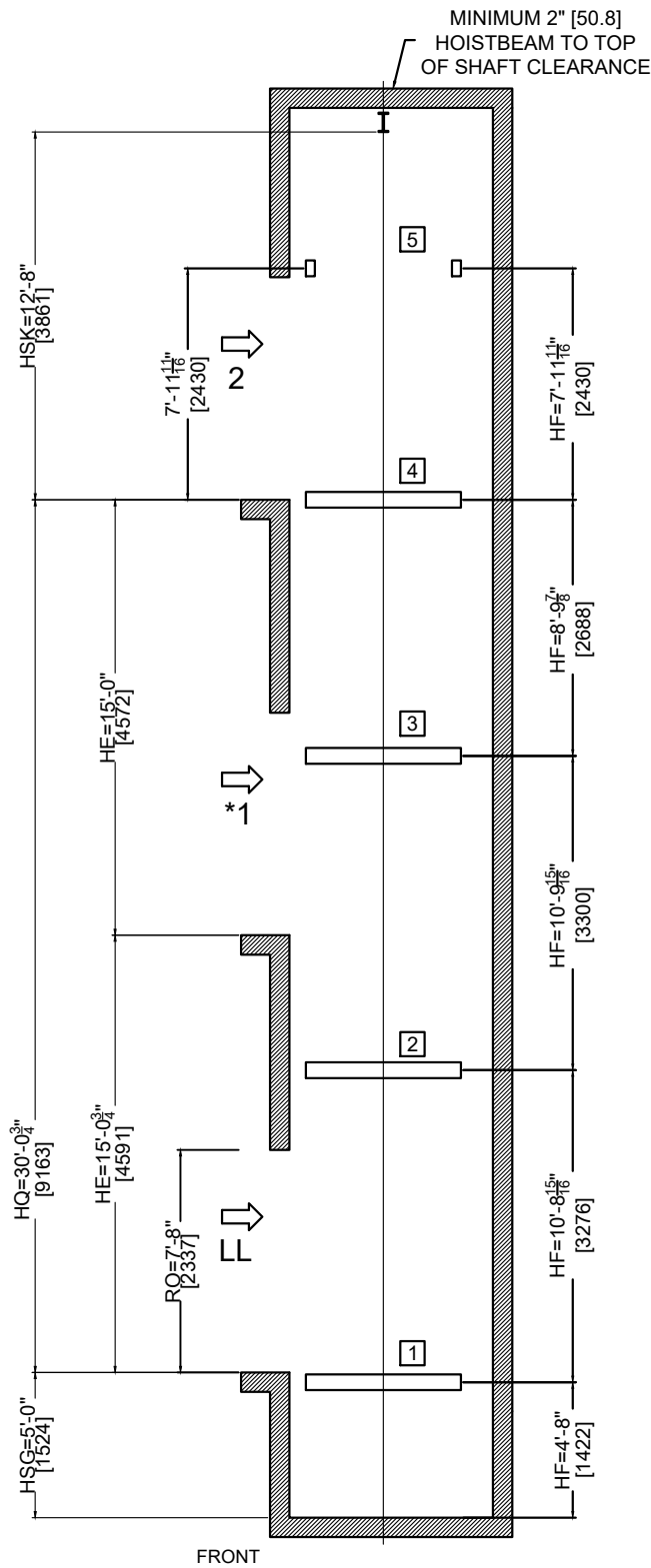
HOISTWAY AND PIT PLAN
Scale: 1/2"=1'0"



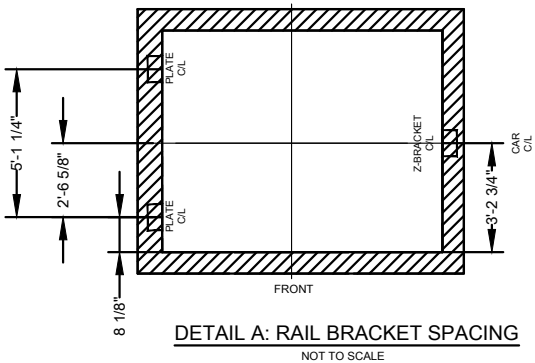
OVERHEAD HOISTBEAMS
Scale: 1/2"=1'0"

| VERTICAL LOADS CAR 01 | | | | | |
|---|-----------|--|-----------|----------|----------|
| NOTE: F9 DOES NOT OCCUR SIMULTANEOUSLY WITH F11 & F12 | | | | | |
| BUFFER IMPACT | | GUIDE RAILS IMPACT RAIL LOADS INCLUDE SAFETY APPLICATION & EQUIPMENT WEIGHT | | | |
| F9 | F10 | F11 | F12 | F13 | F14 |
| 9596 lbf | 14093 lbf | 16894 lbf | 20995 lbf | 3422 lbf | 3422 lbf |
| 42.7 kN | 62.7 kN | 75.1 kN | 93.4 kN | 15.2 kN | 15.2 kN |

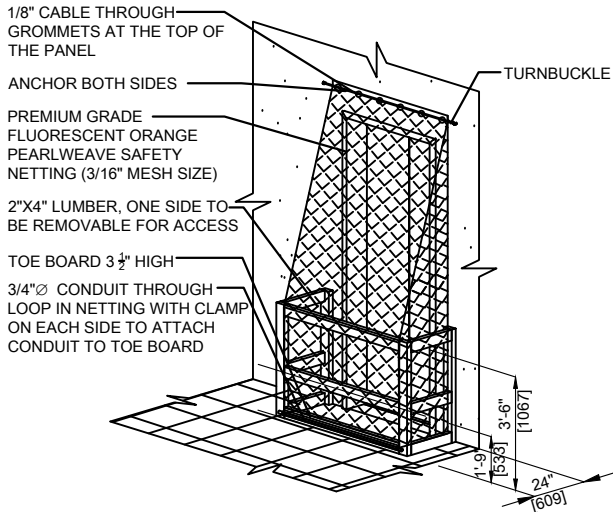
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| | | Schindler Elevator Corp. 20 Whippany Road Morristown, NJ 07960 Tel. +1 973.397.6500 www.us.schindler.com | | |
| | | GC PACKAGE PLAN VIEWS | | |
| BUILDING: | | STEAMBOAT PLAZA BUILDING | | |
| LOCATION: | | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | | |
| OWNER: | | GENSLER | | |
| ARCHITECT: | | GENSLER | | |
| GEN. CONTRACTOR: | | SAUNDERS CONSTRUCTION, INC | | |
| ENGINEER: | | DANIEL IANNELLI | | |
| DATE: | | 05/31/2022 | | |
| GO # | | SUB. | CAR | SHEET |
| GRP7783 | | 001 | 01 | 3 OF 11 |



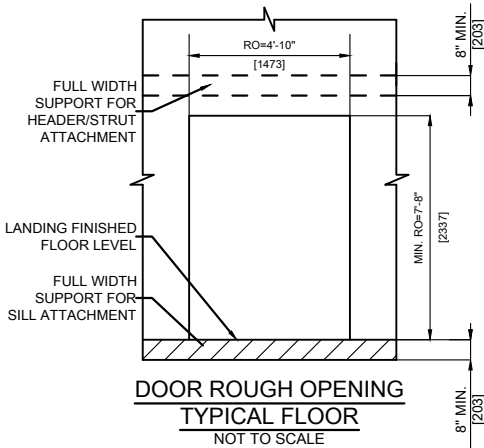
ELEVATION DETAIL CAR 01




DETAIL A: RAIL BRACKET SPACING



DOOR OPENING
BARRIER DETAIL (BY OTHERS)
NOT TO SCALE



DOOR ROUGH OPENING
TYPICAL FLOOR
NOT TO SCALE

| RAIL STACK LEGEND | | | |
|--------------------|--------------------|--------------------|---|
| SYMBOL | DESCRIPTION | |  |
| # | GUIDE RAIL BRACKET | | |
| # | OPENING | | |
| F&P CAR RAIL LOADS | | F&P CWT RAIL LOADS | |
| F (FF1) | P (FF2) | F (FF1) | P (FF2) |
| 315 lbf | 138 lbf | 74 lbf | 7 lbf |
| 1401 N | 614 N | 329 N | 31 N |

NOTES:

1. MAXIMUM RAIL BRACKET SPAN ALLOWED IS 10'-9 15/16" [3300] MAXIMUM SPACING BETWEEN BRACKETS FROM L BRACKET TO LAST OMEGA BRACKET OR FROM OVERHEAD Z BRACKET TO Z BRACKET BELOW IS 10'-9 15/16" [3300].
2. SMOKE VENT LOCATED IN OVERHEAD PER APPLICABLE A17.1 EDITION.
3. OUT OF LEVEL OF PIT FLOOR NOT TO EXCEED +0.5" [+12].
4. A BUILDING SUPPORT (PROVIDED BY THE GC) IS REQUIRED AT THE SPECIFIED ELEVATION FOR ATTACHMENT OF THE ELEVATOR RAIL BRACKETS TO THE BUILDING. THE MAXIMUM DEFLECTION OF THE BRACKET SUPPORT SHOULD NOT EXCEED .0625" [1.5] FOR NON-SEISMIC LOCATIONS OR 0.125" [3] FOR SEISMIC LOCATIONS.
5. ALL DIMENSIONS ARE FROM FINAL FINISHED FLOOR.
6. HATCH WIDTH, HATCH DEPTH, PIT DEPTH AND OVERHEAD TO BE +1"-0"
7. HATCH TO BE PLUMB WITHIN 1" TOP TO BOTTOM

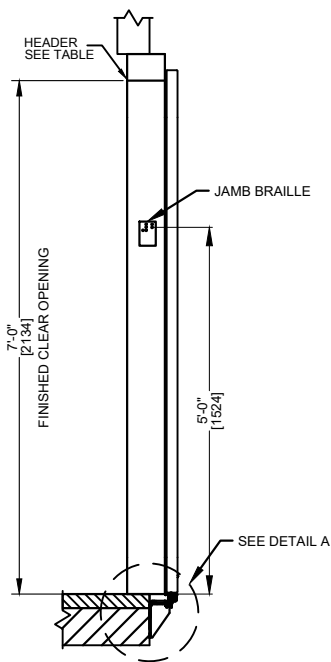
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20 Whippany Road
Morristown, NJ 07960
Tel. +1 973.397.6500
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| | |
|------------------|---|
| BUILDING: | STEAMBOAT PLAZA BUILDING |
| LOCATION: | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 |
| OWNER: | GENSLER |
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| GEN. CONTRACTOR: | SAUNDERS CONSTRUCTION, INC |
| ENGINEER: | DANIEL IANNELLI |
| DATE: | 05/31/2022 |
| GO # | SUB. CAR SHEET |
| GRP7783 | 001 01 4 OF 11 |

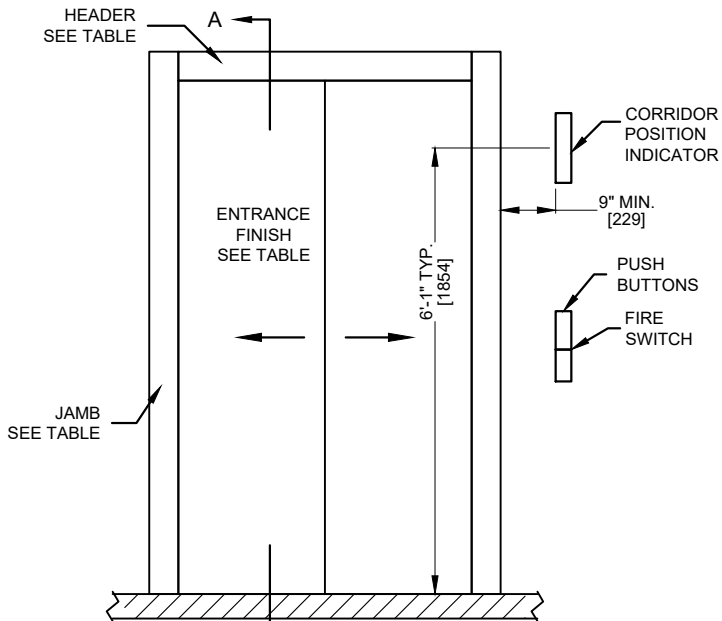
GC PACKAGE
ELEVATION VIEW

3300

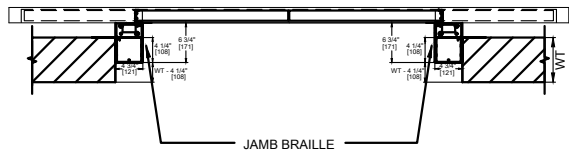
LAYOUTS BASED ON OPPORTUNITY: 202472046



SECTION A-A



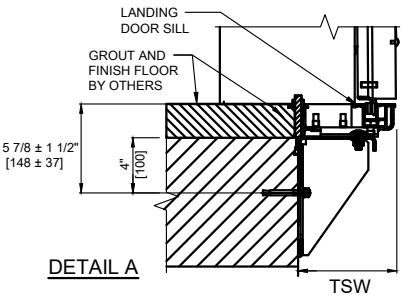
CAR 01
MAIN EGRESS: 1 (SHOWN ABOVE)
FER // ALT EGRESS: 1 // LL
LDU FLOOR: 2



PLAN VIEW

NOTES:

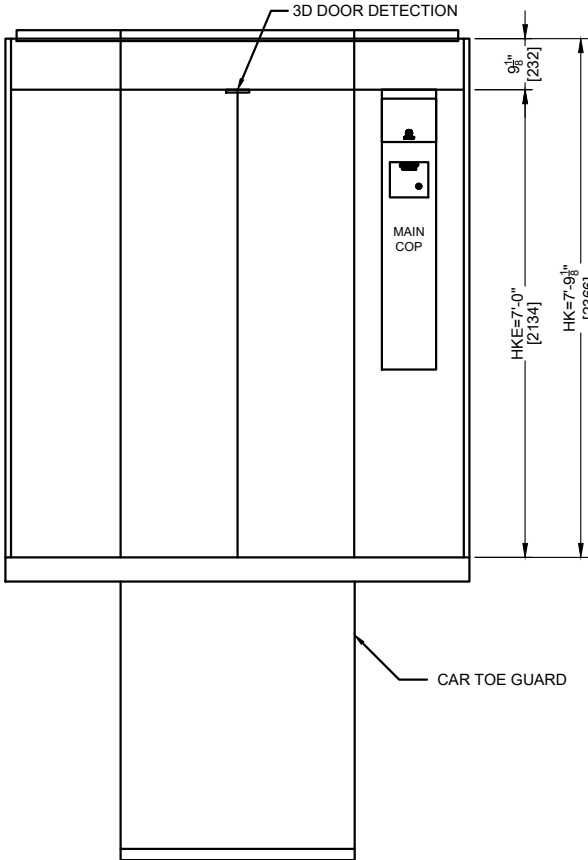
- HOISTWAY WALLS TO HAVE A FIRE ENDURANCE RATING NOT LESS THAN REQUIRED BY APPLICABLE A17.1 EDITION.
- FURNISHING, INSTALLING, AND MAINTAINING THE REQUIRED FIRE RATING OF ELEVATOR HOISTWAY WALLS, INCLUDING THE PENETRATION OF FIRE WALL BY ELEVATOR FIXTURE BOXES, IS NOT THE RESPONSIBILITY OF ELEVATOR CONTRACTOR.
- THE INTERFACE OF HOISTWAY WALL WITH THE HOISTWAY ENTRANCE ASSEMBLY SHALL BE IN STRICT COMPLIANCE WITH THE CONTRACTOR'S REQUIREMENTS IN ORDER TO RETAIN FIRE RATINGS & LABEL VALIDITY OF ELEVATOR HOISTWAY DOORS AND FRAMES.
- FILLING AND GROUTING AS REQUIRED (BY OTHERS).
- WHEN WALL MOUNTED FIXTURES, SUPPORT FOR FIXTURE BOXES AS REQUIRED (BY OTHERS).
- WALL THICKNESS MUST BE MAINTAINED FOR PROPER INSTALLATION OF ENTRANCES.
- DOOR FIRE RATING 1.5 HR.
- TOTAL HORIZONTAL FORCE OF 1125 LBF IS IMPOSED ON THE BUILDING STRUCTURE THROUGH ALL THE FIXATION POINTS PER ENTRANCE. REFER TO APPLICABLE A17.1 EDITION.
- REFER TO FIXTURES SHEET FOR LOCATION OF ALL FIXTURES.
- FOR CONCRETE WALL CONSTRUCTION, ADDITIONAL 3/4" TOLERANCE IS ADDED TO THE JAMB.



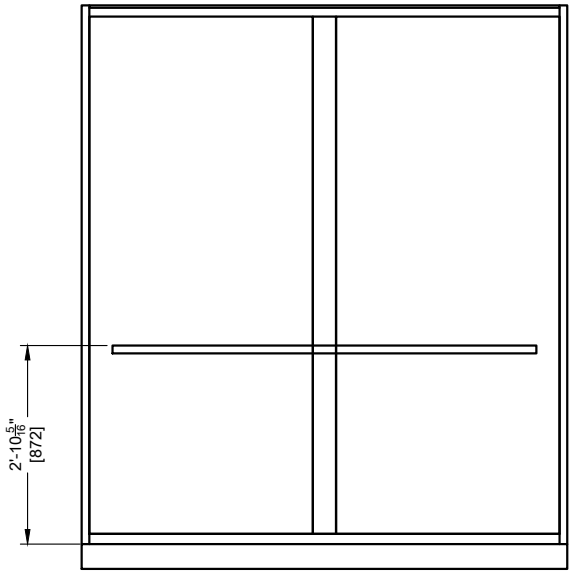
DETAIL A

| TABLE OF ENTRANCE DETAILS CAR 01 | | | | | | | | | | |
|----------------------------------|-------|---------------------|----------------|----------------|------------------------|---|---------------------|---------------|--------------|--------------|
| OPENING | | WALL THICKNESS (WT) | CONSTRUCTION | | ENTRANCE SILL MATERIAL | JAMB FINISH (14 GA. STL / DOOR FINISH (18 GA. STL.) | DOOR PANEL WEIGHT | JAMB | | |
| FLOOR | TYPE | | SILL INTERFACE | WALL INTERFACE | | | | HEADER REVEAL | LEFT REVEAL | RIGHT REVEAL |
| LL | FRONT | 8" [203] | CONCRETE | CMU/BLOCK | ALUMINUM | CLEVELAND SATIN | 139.3 LBS [63.2 KG] | 4 3/4" [121] | 4 3/4" [121] | 4 3/4" [121] |
| *1 | FRONT | 8" [203] | CONCRETE | CMU/BLOCK | ALUMINUM | CLEVELAND SATIN | 139.3 LBS [63.2 KG] | 4 3/4" [121] | 4 3/4" [121] | 4 3/4" [121] |
| 2 | FRONT | 8" [203] | CONCRETE | CMU/BLOCK | ALUMINUM | CLEVELAND SATIN | 139.3 LBS [63.2 KG] | 4 3/4" [121] | 4 3/4" [121] | 4 3/4" [121] |

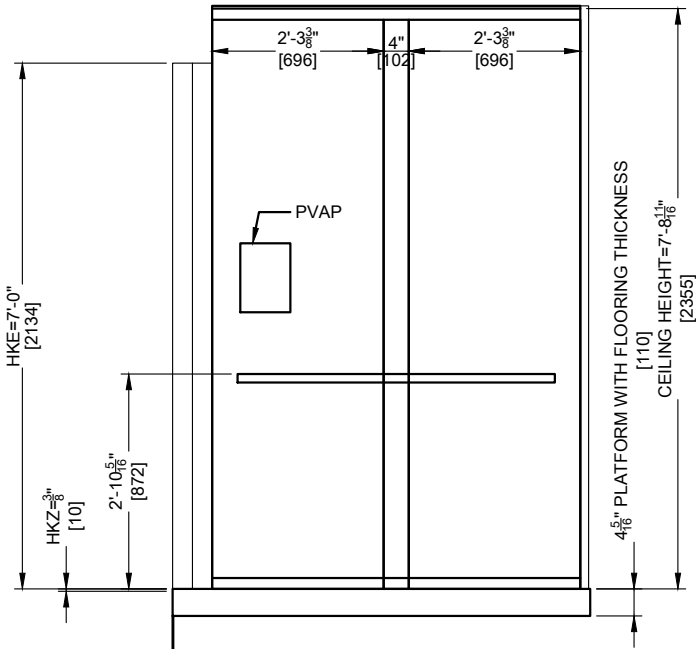
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| 001 | FINALS | 05/31/2022 | DJI |
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| <div><div><div></div><div>Schindler</div></div><div>Schindler Elevator Corp. 20 Whippany Road Morristown, NJ 07960 Tel. +1 973.397.6500 www.us.schindler.com</div></div> | | GC PACKAGE ENTRANCES | |
| BUILDING: | | STEAMBOAT PLAZA BUILDING | |
| LOCATION: | | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | |
| OWNER: | | GENSLER | |
| ARCHITECT: | | GENSLER | |
| GEN. CONTRACTOR: | | SAUNDERS CONSTRUCTION, INC | |
| ENGINEER: | | DANIEL IANNELLI | |
| DATE: | | 05/31/2022 | |
| GO # | SUB. | CAR | SHEET |
| GRP7783 | 001 | 01 | 5 OF 11 |



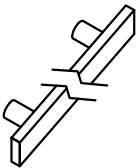
FRONT ELEVATION



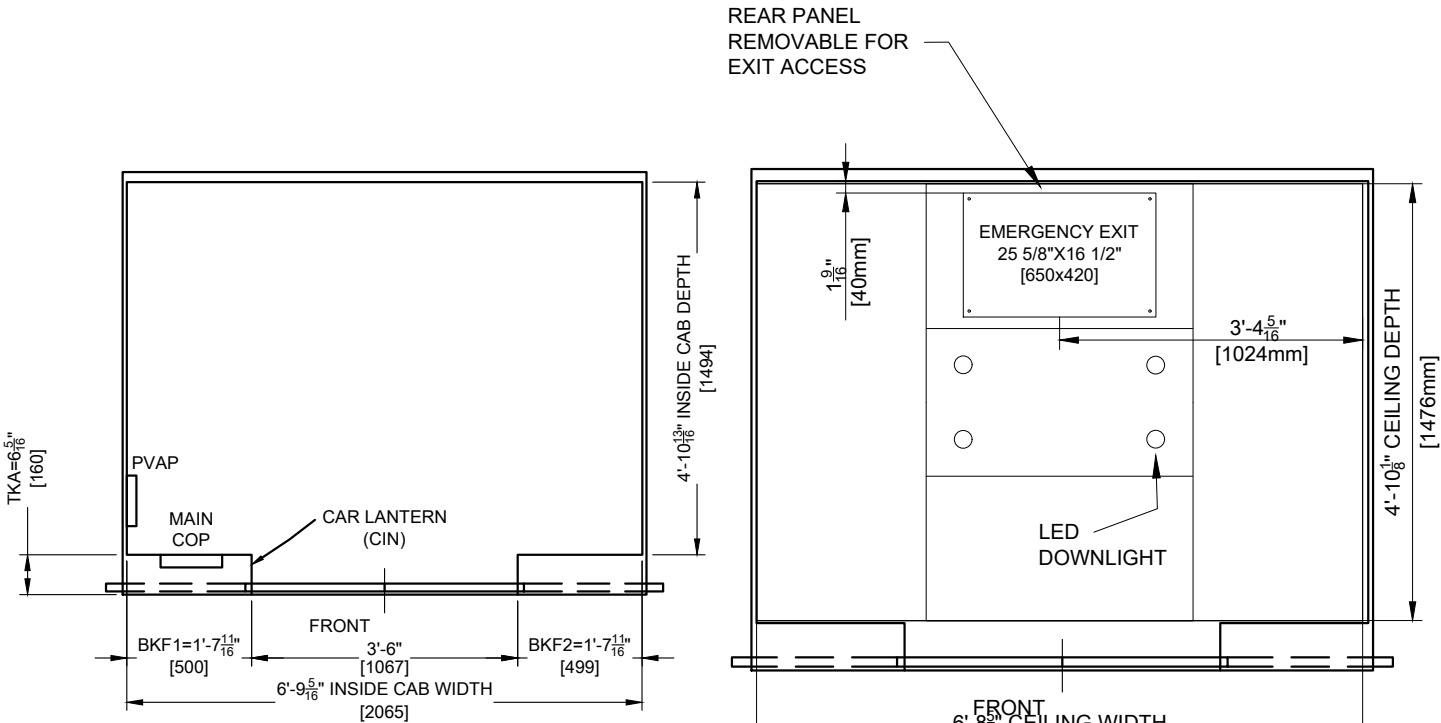
REAR ELEVATION



SIDE ELEVATION



HANDRAIL
NOT TO SCALE

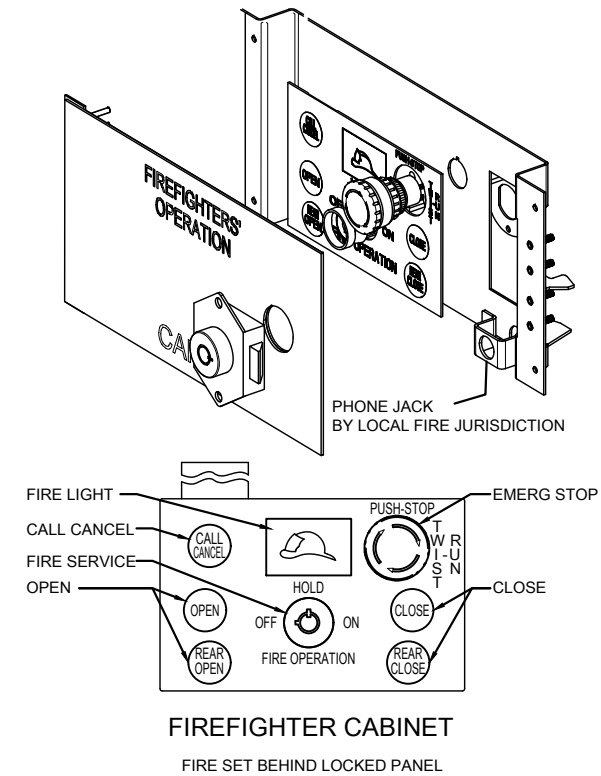
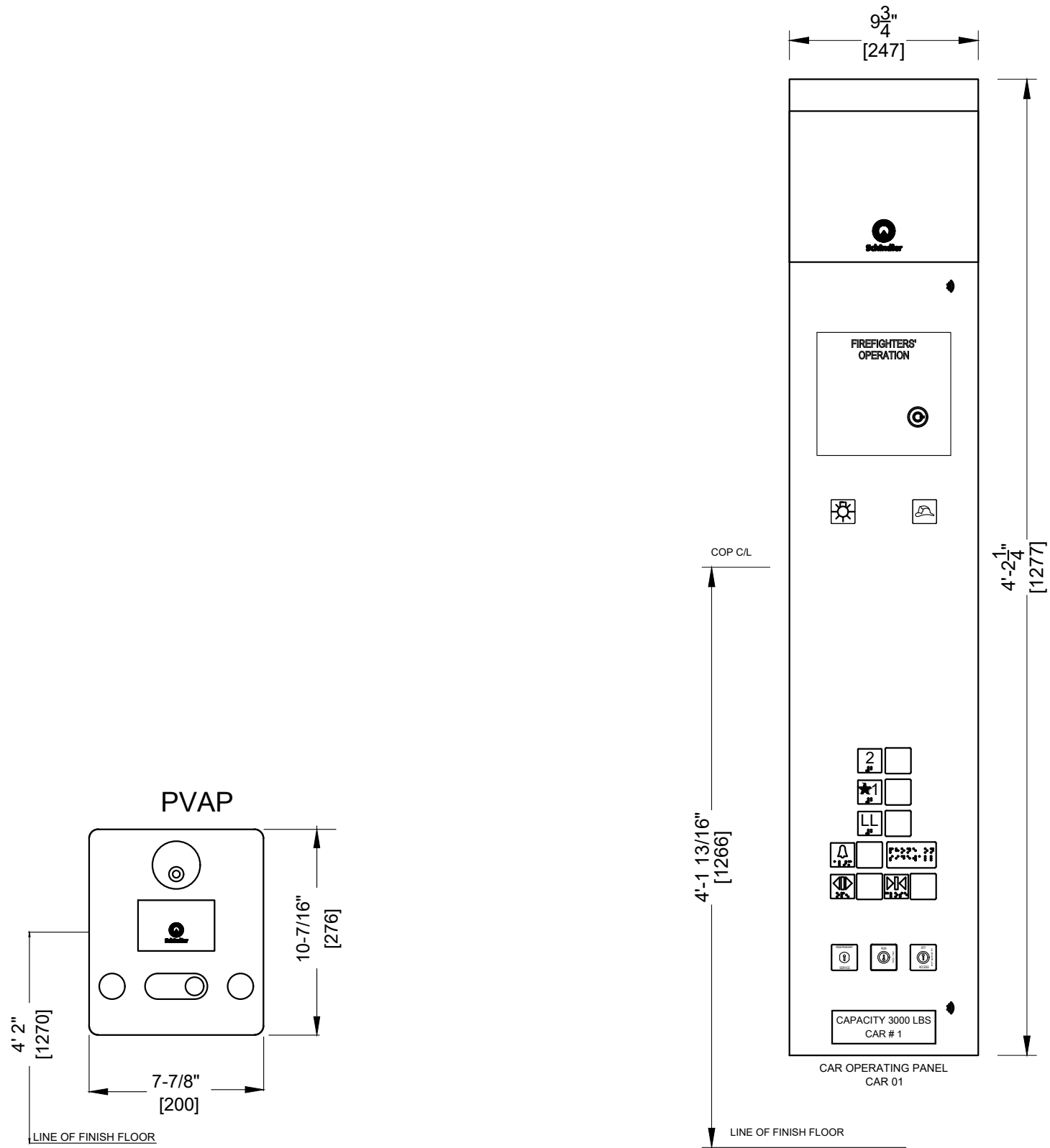


CAR PLAN

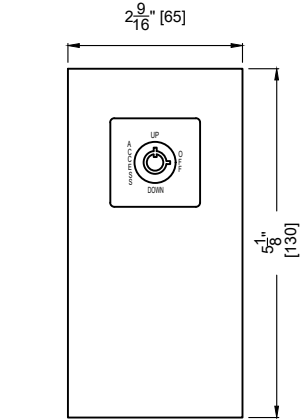
CEILING PLAN

| CAR FRONT | | OPTIONS | |
|------------------------|------------------------|-------------------|------------------------------|
| CAR FRONT DECORATION | CLEVELAND SATIN | CAR FAN TYPE | 1 SPEED |
| CAR DOOR DECORATION | CLEVELAND SATIN | CAR LANTERN | PROVIDED |
| CAR DOOR PANEL WEIGHT | 106.5 LBS [48.3 KG] | HANDRAIL LOCATION | RIGHT,LEFT,REAR |
| COP FACEPLATE MATERIAL | STEEL | HANDRAIL TYPE | RECTANGULAR(STRAIGHT) |
| CAR POSITION INDICATOR | IN MAIN COP | HANDRAIL FINISH | BRUSHED ALUMINUM |
| SILL TYPE | ALUMINUM | TELEPHONE | HANDS-FREE ADA |
| LIGHT CURTAIN TYPE | 3D DOOR DETECTION | FLOOR | |
| CAR WALLS | | FLOOR RECESS | 3/8" [10] |
| SIDE WALL TYPE | APPLIED(LAMINATE) | FLOOR TYPE | BY OTHERS |
| SIDE WALL FINISH | BLACK VELVET TRACELESS | CEILING | |
| REAR WALL | APPLIED(LAMINATE) | | |
| REAR WALL FINISH | BLACK VELVET TRACELESS | | |
| CEILING | | CEILING TYPE | LED DOWN LIGHT - ROUND SPOTS |
| CEILING FINISH | #4 STAINLESS STEEL | CAR LIGHTING TYPE | |
| CAR LIGHTING TYPE | AUTOMATIC ON/OFF | | |

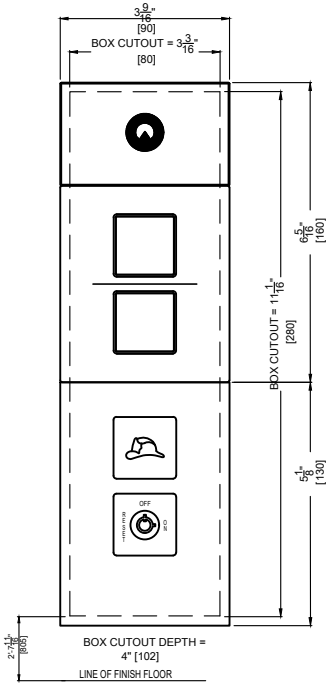
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|  | | Schindler Elevator Corp. 20 Whippany Road Morristown, NJ 07960 | | |
| | | Tel. +1 973.397.6500 www.us.schindler.com | | |
| BUILDING: | | STEAMBOAT PLAZA BUILDING | | |
| LOCATION: | | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | | |
| OWNER: | | GENSLER | | |
| ARCHITECT: | | GENSLER | | |
| GEN. CONTRACTOR: | | SAUNDERS CONSTRUCTION, INC. | | |
| ENGINEER: | | DANIEL IANNELLI | | |
| DATE: | | 05/31/2022 | | |
| GO # | | SUB. | CAR | SHEET |
| GRP7783 | | 001 | 01 | 6 OF 11 |



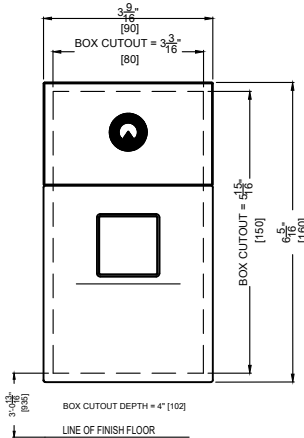
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| 001 | FINALS | | 05/31/2022 | DJI |
| SUB | REVISION DESCRIPTION | | DATE | APPVD. |
| <div><div><div>Schindler Elevator Corp. 20 Whippany Road Morristown, NJ 07960 Tel. +1 973.397.6500 www.us.schindler.com</div></div><div>Schindler</div></div> | | | | GC PACKAGE CAR STATION DETAILS |
| BUILDING: | | STEAMBOAT PLAZA BUILDING | | |
| LOCATION: | | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | | |
| OWNER: | | GENSLER | | |
| ARCHITECT: | | GENSLER | | |
| GEN. CONTRACTOR: | | SAUNDERS CONSTRUCTION, INC | | |
| ENGINEER: | | DANIEL IANNELLI | | |
| DATE: | | 05/31/2022 | | |
| GO # | | SUB. | CAR | SHEET |
| GRP7783 | | 001 | 01 | 7 OF 11 |
| | | | | 3300 |



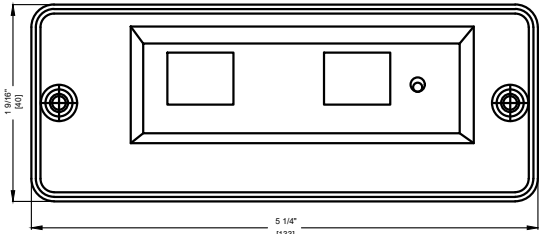
HOISTWAY ACCESS SWITCH
AT FLOORS LL AND 2



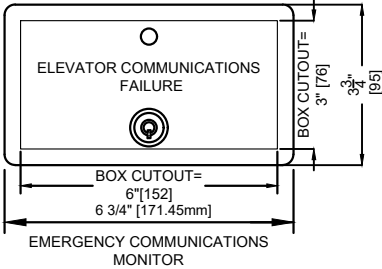
INTERMEDIATE PUSHBUTTONS
FIREFIGHTER HAT INDICATOR
& FIRE SERVICE SWITCH



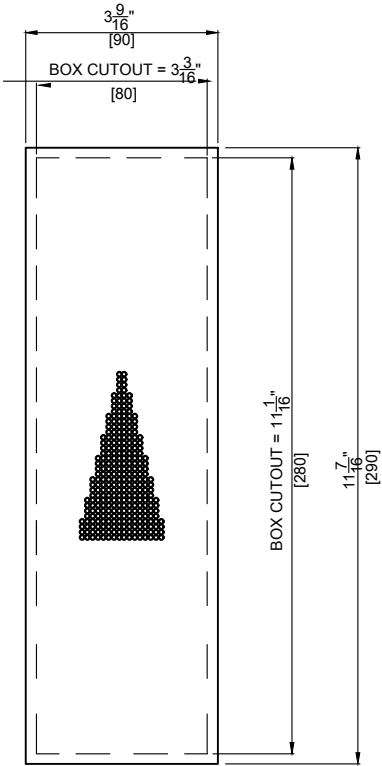
TERMINAL PUSHBUTTONS



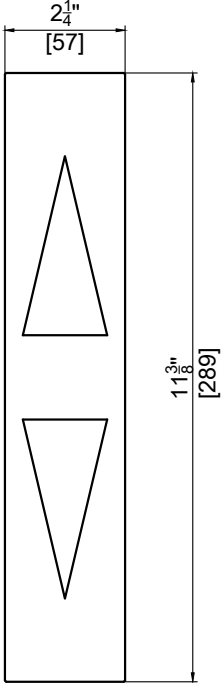
3D DOOR EDGE SENSOR



EMERGENCY COMMUNICATIONS
MONITOR

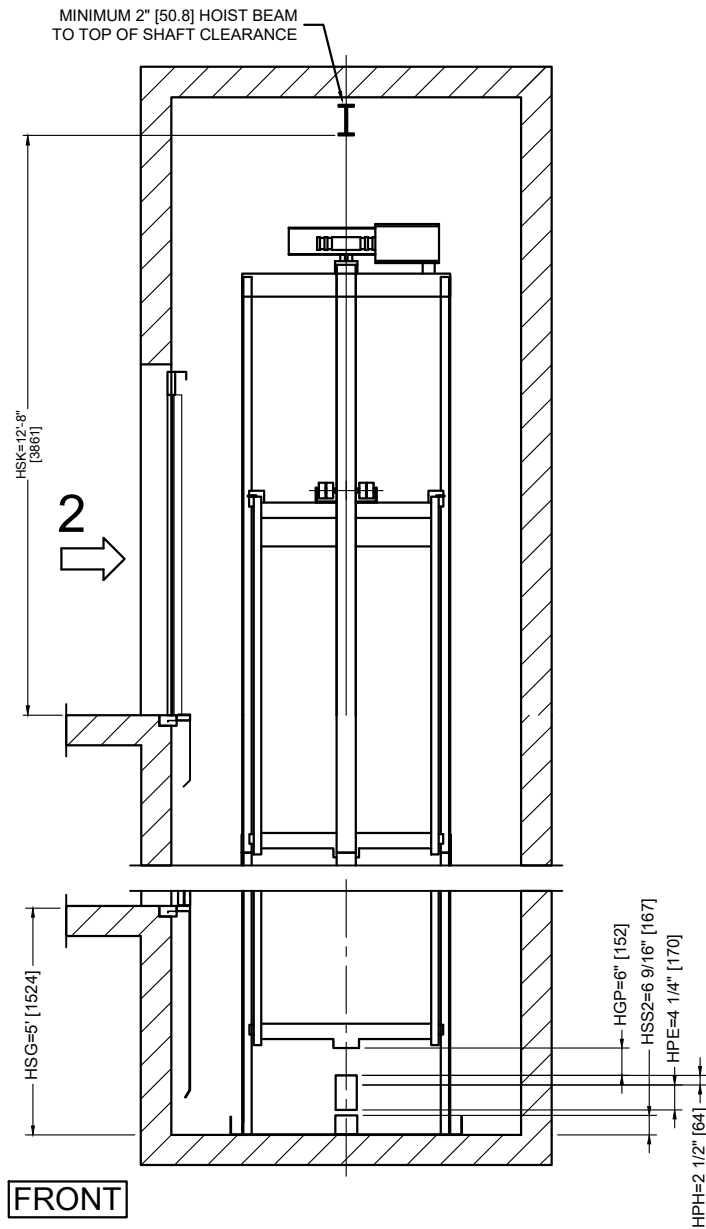
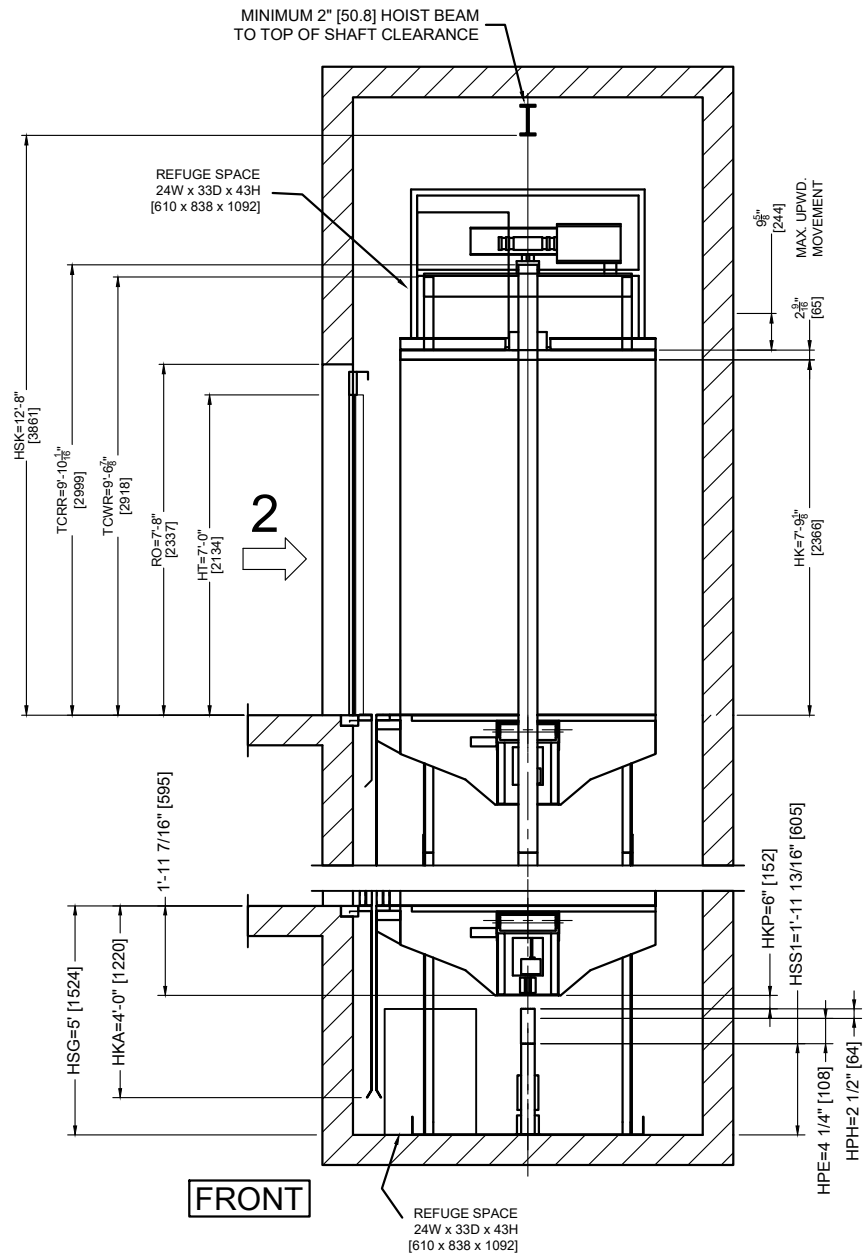


LANDING INDICATOR PANEL
ALL FLOORS



CAR INDICATOR (CIN)

| | | | | |
|--|----------------------|-----------------------------------|--------|---|
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| 001 | FINALS | 05/31/2022 | DJI | |
| SUB | REVISION DESCRIPTION | DATE | APPVD. | |
| <div><div><div><div></div><div>Schindler</div></div></div><div>Schindler Elevator Corp. 20 Whippany Road Morristown, NJ 07960 Tel. +1 973.397.6500 www.us.schindler.com</div></div> | | GC PACKAGE CAR STATION DETAILS | | |
| BUILDING: | | | | STEAMBOAT PLAZA BUILDING |
| LOCATION: | | | | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 |
| OWNER: | | | | GENSLER |
| ARCHITECT: | | | | GENSLER |
| GEN. CONTRACTOR: | | | | SAUNDERS CONSTRUCTION, INC |
| ENGINEER: | | | | DANIEL IANNELLI |
| DATE: | | | | 05/31/2022 |
| GO # | | SUB. | CAR | SHEET |
| GRP7783 | | 001 | 01 | 8 OF 11 |



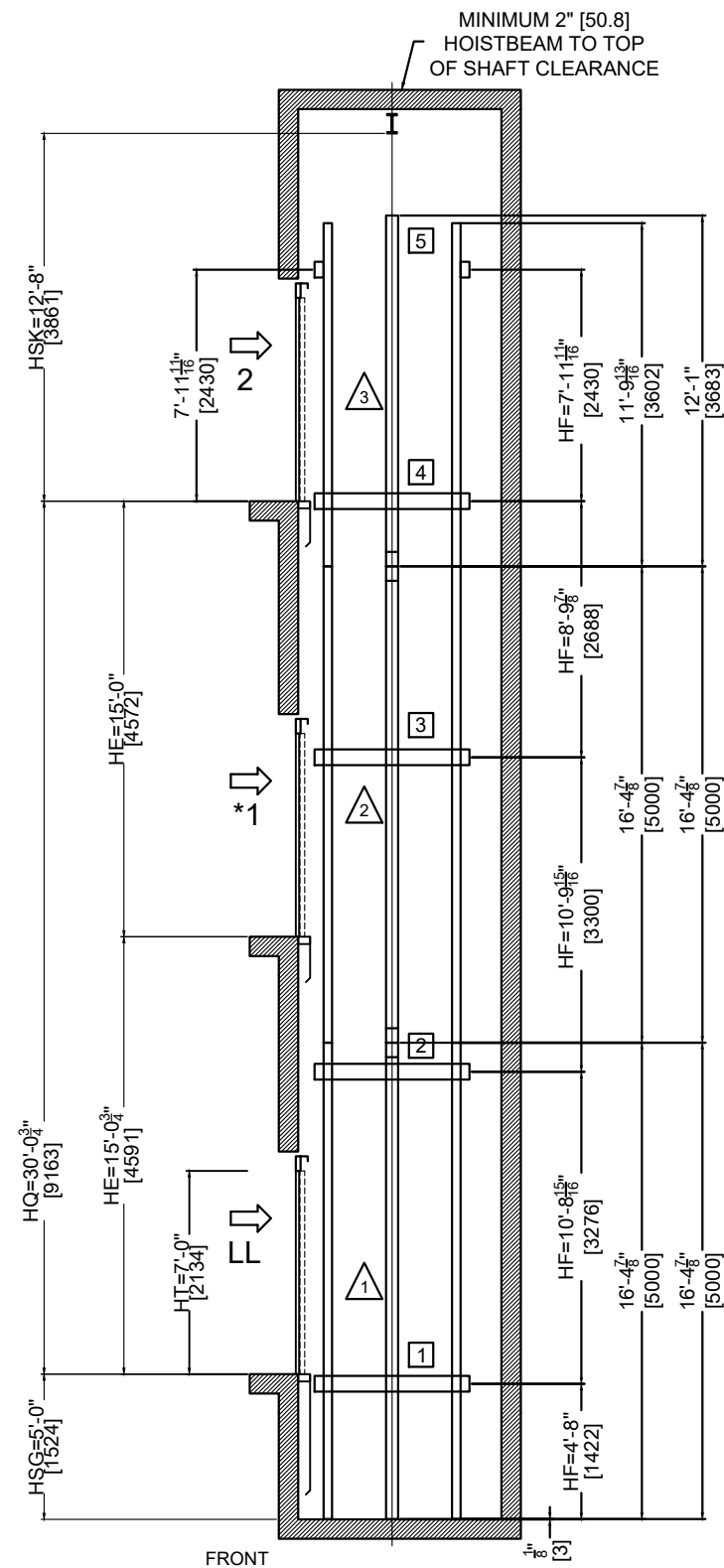
| | CAR BUFFER | CWT BUFFER |
|--------------|--------------|---------------|
| MODEL | SPRING | SPRING |
| HP | 6 3/4" [172] | 9 3/16" [233] |
| # OF BUFFERS | 2 | 1 |

| MISCELLANEOUS DIMENSIONS | |
|--------------------------|--------------------|
| HGR | 8'-8 15/16" [2665] |
| HGU | 1" [25] |
| HKB | 3 15/16" [100] |
| SKS (CAR JUMP) | 1 1/8" [28] |
| SGS (CWT JUMP) | 1 1/8" [28] |

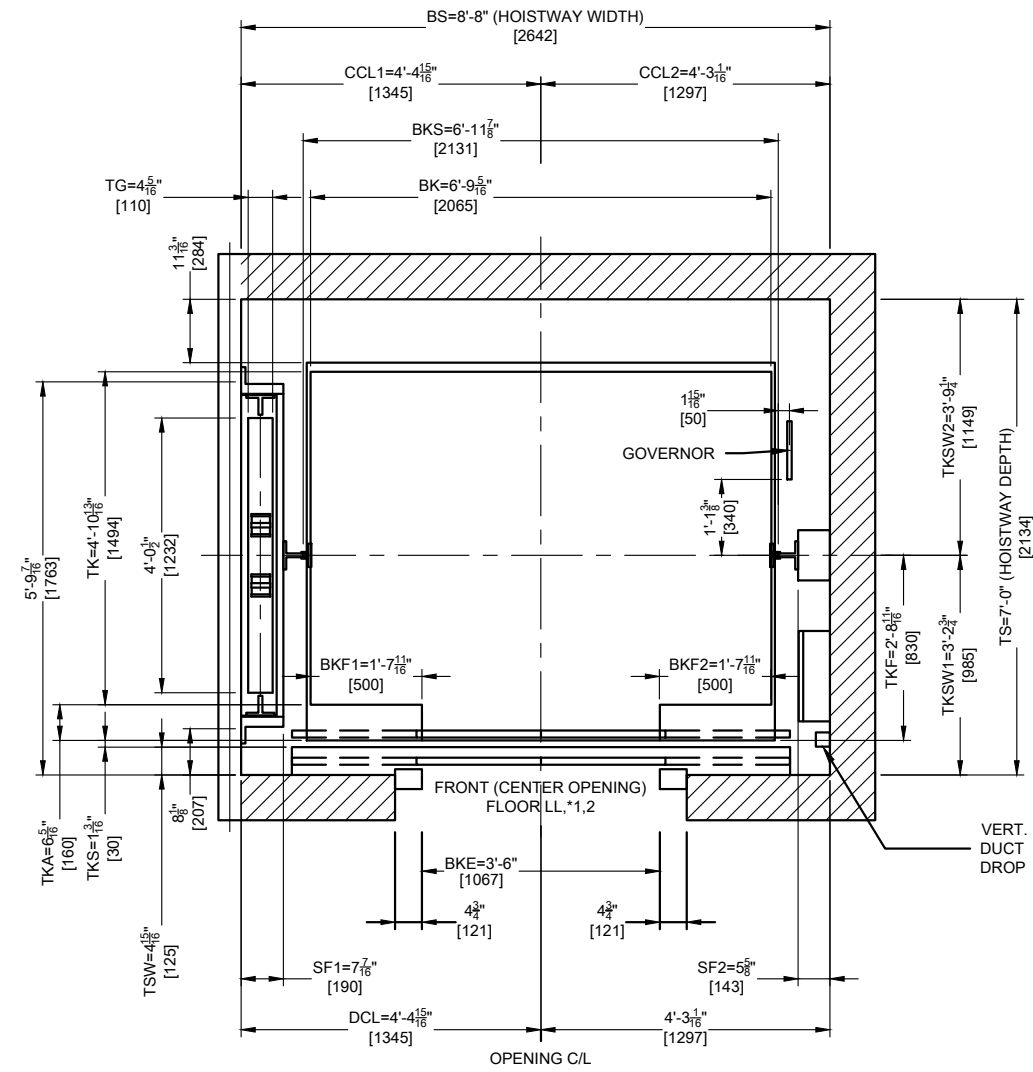
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| BUILDING: | | STEAMBOAT PLAZA BUILDING | | |
| LOCATION: | | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | | |
| OWNER: | | GENSLER | | |
| ARCHITECT: | | GENSLER | | |
| GEN. CONTRACTOR: | | SAUNDERS CONSTRUCTION, INC | | |
| ENGINEER: | | DANIEL IANNELLI | | |
| DATE: | | 05/31/2022 | | |
| GO # | | SUB. | CAR | SHEET |
| GRP7783 | | 001 | 01 | 9 OF 11 |

LAYOUTS BASED ON OPPORTUNITY: 202472046

Max Bracket Span = 10'-9 15/16" [3300]



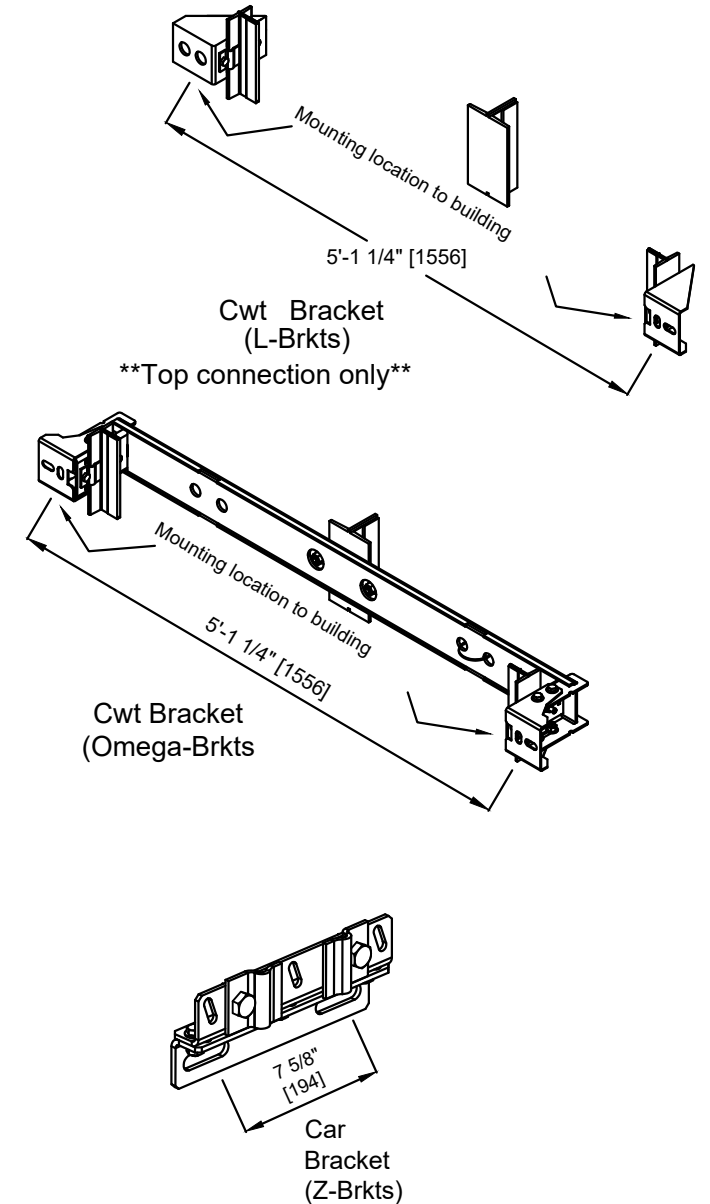
ELEVATION DETAIL CAR 01







HATCH PLAN

Scale: 3/4"=1'0"

For Bracket Welding Details reference:
Vertical Tube Steel (VTS) Z_44140065
Horizontal Steel Z_44140069
Steel Divider Beam Z_44106239 and
Z_44130861

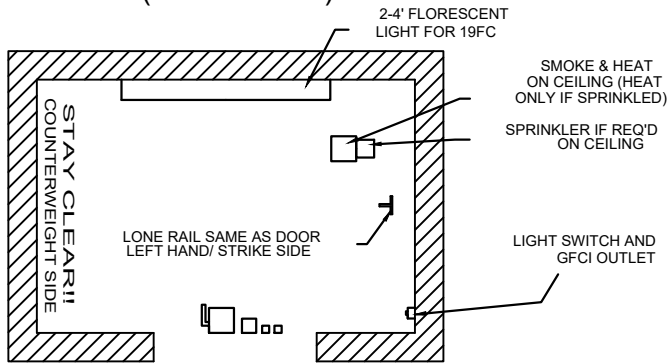


| RAIL STACK LEGEND - CAR 01 | |
|---|--------------------|
| SYMBOL | DESCRIPTION |
|  | FISH PLATE |
|  | GUIDE RAIL |
|  | GUIDE RAIL BRACKET |
|  | OPENING |

| RAIL INFORMATION | | | |
|-------------------|--------|------------|-----------------|
| 5m (QTY) | | 2.5m (QTY) | |
| 6 | | 0 | |
| BRACKET SELECTION | | | ATTACHMENT |
| | TYPE | QTY | TYPE |
| CAR SIDE | | | |
| Z BRACKET | Z-C-NS | 5 | BOLTED (ANCHOR) |
| CWT SIDE | | | |
| TOP L BRACKET | L-NS | 1 | BOLTED |
| OMEGA BRACKET | O-NS | 4 | BOLTED |
| INT. TIE BRACKET | | | |
| DIVIDER BEAM BRKT | N/A | 0 | N/A |

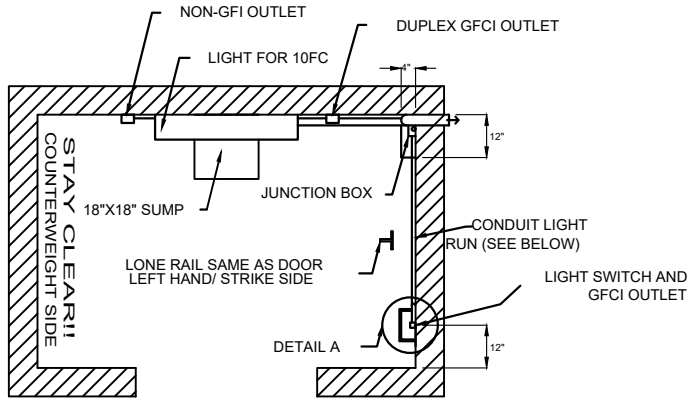
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|---|---|-----|------------|--|---------------------------------|-----------|--------------------------|--|--|--|--|-----------|---|--|--|--|--|--------|---------|--|--|--|--|------------|---------|--|--|--|--|------------------|----------------------------|--|--|--|--|-----------|-----------------|--|--|--|--|-------|------------|--|--|--|--|------|------|-----|-------|--|--|---------|-----|----|----------|--|
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| 001 | FINALS | | 05/31/2022 | | DJI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUB | REVISION DESCRIPTION | | DATE | | APPVD. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div> Schindler</div><div><p>Schindler Elevator Corp. 20 Whippany Road Morristown, NJ 07960</p><p>Tel. +1 973.397.6500 www.us.schindler.com</p></div></div> | | | | | INSTALLER PACKAGE PLAN VIEWS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><td>BUILDING:</td><td colspan="5">STEAMBOAT PLAZA BUILDING</td></tr><tr><td>LOCATION:</td><td colspan="5">2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487</td></tr><tr><td>OWNER:</td><td colspan="5">GENSLER</td></tr><tr><td>ARCHITECT:</td><td colspan="5">GENSLER</td></tr><tr><td>GEN. CONTRACTOR:</td><td colspan="5">SAUNDERS CONSTRUCTION, INC</td></tr><tr><td>ENGINEER:</td><td colspan="5">DANIEL IANNELLI</td></tr><tr><td>DATE:</td><td colspan="5">05/31/2022</td></tr><tr><td>GO #</td><td>SUB.</td><td>CAR</td><td colspan="3">SHEET</td></tr><tr><td>GRP7783</td><td>001</td><td>01</td><td colspan="3">10 OF 11</td></tr></table> | | | | | | BUILDING: | STEAMBOAT PLAZA BUILDING | | | | | LOCATION: | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | | | | | OWNER: | GENSLER | | | | | ARCHITECT: | GENSLER | | | | | GEN. CONTRACTOR: | SAUNDERS CONSTRUCTION, INC | | | | | ENGINEER: | DANIEL IANNELLI | | | | | DATE: | 05/31/2022 | | | | | GO # | SUB. | CAR | SHEET | | | GRP7783 | 001 | 01 | 10 OF 11 | |
| BUILDING: | STEAMBOAT PLAZA BUILDING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| ENGINEER: | DANIEL IANNELLI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| GRP7783 | 001 | 01 | 10 OF 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 3300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OVERHEAD ELECTRICAL
(BY OTHERS)



FRONT
TOP VIEW

PIT ELECTRICAL & PLUMBING (BY OTHERS)



FRONT
TOP VIEW

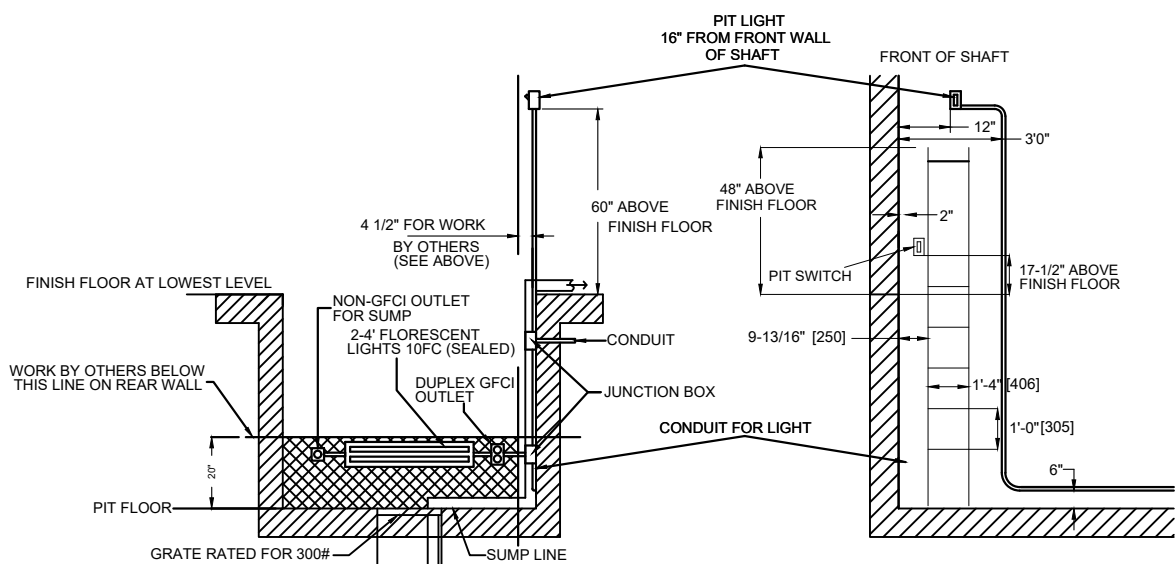
NOTES:

LIGHTING
1- PIT AREA
A PERMANENT LIGHTING FIXTURE SHALL BE PROVIDED FOR THE PIT AREA, AND SHALL CONFORM TO A17.1/2.2.5:
THE LIGHTING SHALL PROVIDE AN ILLUMINATION OF NOT LESS THAN 100 LX (10 FC) AT THE PIT FLOOR AND AT A PIT PLATFORM, WHEN PROVIDED. THE LIGHT BULB(S) SHALL BE EXTERNALLY GUARDED TO PREVENT CONTACT AND ACCIDENTAL BREAKAGE. THE LIGHT SWITCH SHALL BE SO LOCATED AS TO BE ACCESSIBLE FROM THE PIT ACCESS DOOR.

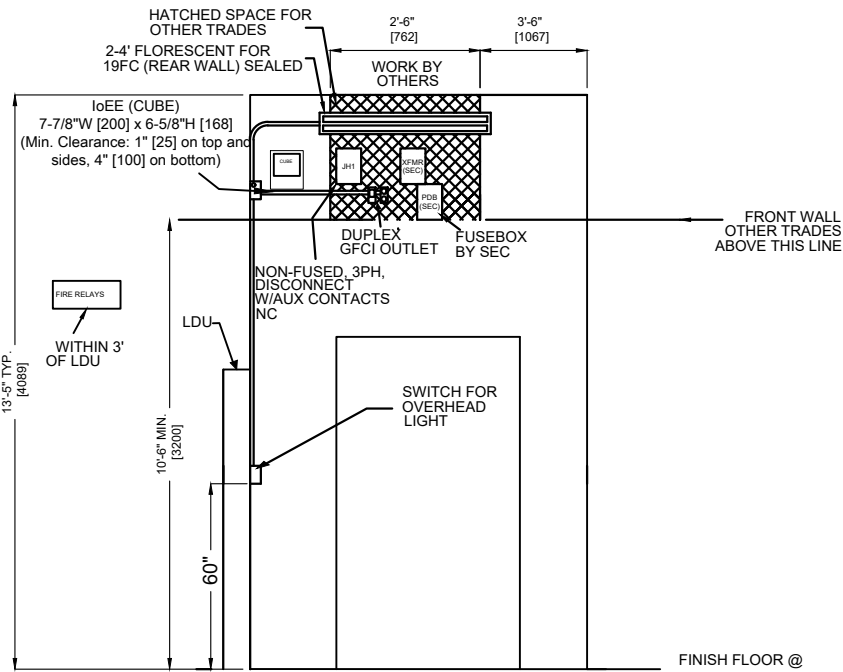
2A- HEADROOM AREA
2B- LDU AREA
2C- CLOSET (WHERE APPLICABLE), NEAR THE LDU
PERMANENTLY INSTALLED ELECTRIC LIGHTING SHALL BE PROVIDED IN ALL MACHINERY SPACES, MACHINE ROOMS, CONTROL SPACES, AND CONTROL ROOMS AND SHALL CONFORM TO A17.1/2.7.9.1:
THE ILLUMINATION SHALL BE NOT LESS THAN 200 LX (19 FC) AT THE FLOOR LEVEL, AT THE STANDING SURFACE OF A WORKING PLATFORM, OR AT THE LEVEL OF THE STANDING SURFACE WHEN THE CAR IS IN THE BLOCKED POSITION. THE LIGHT BULB(S) SHALL BE EXTERNALLY GUARDED AGAINST BREAKAGE. THE LIGHT SWITCH SHALL BE LOCATED AT THE POINT OF ENTRY (I) FOR MACHINERY SPACES AND CONTROL SPACES, AND (II) FOR CONTROL ROOMS, INSIDE THE ROOM AND WHERE PRACTICABLE ON THE LOCK-JAMB SIDE OF THE ACCESS DOOR.

- ALL COMPONENTS AND ASSEMBLIES PROVIDED BY OTHERS SHALL HAVE ALL EDGES AND CORNERS ROUNDED AND DEBURRED.
- INSTALL GFCI, PIT LIGHT (10FC), AND NON-GCFI BEFORE ELEVATOR WORK STARTS.
- ALL LOCATIONS ARE REVERSED FOR OPPOSITE DOOR HAND CONFIGURATIONS.
- KEEP PIPES ON LONE CAR RAIL SIDE FOR CENTER OPEN DOORS.
- DOOR OPENING BARRIERS ARE PROVIDED AND INSTALLED BY OTHERS. ADDITIONAL HOISTWAY SCREENING OPTIONS (E.G. ENCLOSED LOBBY W/ LOCKABLE DOOR) TO BE REVIEWED WITH LOCAL SCHINDLER CONTACT.

DETAIL A



FRONT VIEW, REAR WALL
(NOT TO SCALE)



INSIDE SHAFT
LOOKING OUT

| | | | |
|---|----------------------|---|----------|
| | | | |
| | | | |
| | | | |
| 001 | FINALS | 05/31/2022 | DJI |
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| BUILDING: | | STEAMBOAT PLAZA BUILDING | |
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| GRP7783 | 001 | 01 | 11 OF 11 |

INSTALLER PACKAGE
ELECTRICIAN WORK
3300
LAYOUTS BASED ON OPPORTUNITY: 2024/2046

WORK BY OTHERS

INSTALLATION WORK SHALL BE PERFORMED DURING REGULAR WORKING HOURS OF REGULAR WORKING DAYS AFTER HOISTWAY(S) AND MACHINE/CONTROL ROOM(S) HAVE BEEN PROPERLY PREPARED AS DESCRIBED IN THE FOLLOWING ITEMS. ALL ITEMS MUST BE PERFORMED OR FURNISHED AT NO COST TO SCHINDLER ELEVATOR CORPORATION ("SCHINDLER") BY THE OWNER OR GENERAL CONTRACTOR OR THEIR AGENTS IN ACCORDANCE WITH ALL GOVERNING CODES. THE PRICE AND INSTALLATION SCHEDULE OF SCHINDLER IS BASED ON THESE JOB-SITE CONDITIONS EXISTING AT THE BEGINNING AND DURING THE INSTALLATION OF THE ELEVATOR EQUIPMENT.

ALL WORK MUST BE PERFORMED PER THE LATEST APPLICABLE REVISION OF THE NATIONAL (ASME A17.1 OR CSA B44) AND/OR LOCAL CODES.

1.

CLEAR, PLUMB, HOISTWAY WITH VARIATIONS NOT TO EXCEED +25MM (+1") -0MM (-0") WITHIN THE FIRST 30.5M (100FT). TOLERANCE MAY INCREASE +0.8MM (1/32") FOR EACH ADDITIONAL 3.05M (10FT) UP TO A MAXIMUM OF +50MM (2"). PIT FLOOR TO BE DRY, LEVEL, FREE OF BUMPS AND DEBRIS. HOISTWAY ENCLOSURE TO BE FIRE RATED PER NATIONAL CODE REQUIREMENTS AND APPLICABLE BUILDING CODES (RULE 2.1.1). HOISTWAY, PIT, AND OVERHEAD DIMENSIONS TO BE AS SPECIFIED ON SCHINDLER FINAL LAYOUT DRAWING.
2.

ACCEPTABLE MATERIAL UNLOADING AREA WITHIN 30.5M (100FT) OF HOISTWAY WITH "ROLLABLE" ACCESS (PLANKED OR PAVED) OR UNINTERRUPTED USE OF A CRANE OR FORKLIFT AND OPERATOR AT NO COST TO SCHINDLER. DRY AND ENCLOSED STORAGE AREA OF ADEQUATE SIZE FOR ELEVATOR MATERIALS NEAR HOISTWAY. ANY WARRANTIES PROVIDED BY SCHINDLER FOR ELEVATOR EQUIPMENT ARE NULL AND VOID IF EQUIPMENT IS STORED IN A MANNER THAT DOES NOT COMPLY WITH THE REQUIREMENTS AS DEFINED ABOVE.
3.

POWER FOR CONSTRUCTION ADJACENT TO HOISTWAYS AND MACHINE/CONTROL ROOMS (110/220 VOLT, SINGLE PHASE, FOR WELDERS AND HOISTS) AND SUFFICIENT 3-PHASE POWER TO RUN ELEVATOR(S) AT THE SAME TIME. REFER TO SCHINDLER POWER SUPPLY DATA SHEET. TO MEET THE DATE UPON WHICH THE ELEVATORS ARE TO BE TURNED OVER, THE POWER FOR CONSTRUCTION AND PERMANENT 3-PHASE POWER MUST BE INSTALLED AND AVAILABLE PRIOR TO THE START OF ELEVATOR INSTALLATION.
4.

ALL WORK AREAS, INCLUDING HOISTWAY AND PIT, CLEAR OF DEBRIS. MAINTAIN MINIMUM TEMPERATURE OF 13°C (55°F). ADEQUATE WORK AREA IN FRONT OF GROUND FLOOR ENTRANCE REQUIRED. PROPER LIGHTING OF WORK AREAS.
5.

75° BEVEL GUARDS ON ALL PROJECTIONS, RECESSES OR SETBACKS OVER 100MM (4"), EXCEPT ON SIDE USED FOR LOADING/UNLOADING.
6.

PROVIDE VENTING OF THE HOISTWAY PER NATIONAL CODE REQUIREMENTS AND APPLICABLE BUILDING CODES (RULE 2.1.4). WHEN IBC COMPLIANCE IS REQUIRED, AN INDEPENDENT AC OR VENTING SYSTEM FOR THE ELEVATOR SYSTEM IS REQUIRED.
7.

DRIED-IN HOISTWAY(S) AND MACHINE/CONTROL ROOM(S).
8.

CLEAR, FLAT, VERTICAL OR HORIZONTAL SURFACES FOR MOUNTING RAIL BRACKETS AT EACH FLOOR, IN OVERHEAD, AND INTERMEDIATE LEVELS (IF REQUIRED) IN THE SAME VERTICAL PLANE AS THE CLEAR HOISTWAY LINE. THIS INCLUDES DIVIDER BEAMS BETWEEN CARS FOR MULTIPLE ELEVATORS IN A COMMON HOISTWAY. RAIL BRACKET SUPPORTS SHALL NOT INTRUDE INTO THE CLEAR HOISTWAY LINE. RAIL BRACKET SUPPORTS AND DIVIDER BEAMS IN THE OVERHEAD TO BE LOCATED APPROXIMATELY 610MM (24") BELOW THE ROOF OR MACHINE ROOM SLAB. SUPPLY VERTICAL FLAT PLATES ON WHICH TO MOUNT CAR RAIL BRACKETS IF GUSSET PLATES OBSCURE BEAM WEBS, SUCH AS IN WIND BRACING FRAMES. IF APPLICABLE, INTERMEDIATE BRACKET SUPPORTS BETWEEN FLOOR(S) AND IN THE OVERHEAD AREA MAY BE REQUIRED. REFER TO SCHINDLER FINAL LAYOUT DRAWINGS FOR MAXIMUM BRACKET SPACING AND ACTUAL SUPPORT LOCATIONS.
9.

FOR MASONRY BLOCK HOISTWAY CONSTRUCTION, SCHINDLER WILL PROVIDE RAIL BRACKET INSERTS FOR INSTALLATION BY OTHERS, LOCATED IN ACCORDANCE WITH THE SCHINDLER FINAL LAYOUT DRAWINGS. WHERE INSERTS ARE NOT USED, HOLLOW MASONRY BLOCKS ARE NOT ACCEPTABLE FOR BRACKET FASTENING. PROVIDE 125MM (5") CONCRETE BELT AROUND HOISTWAY OR OTHER ACCEPTABLE SUPPORT AT EACH FLOOR, IN OVERHEAD, AND INTERMEDIATE LEVELS (IF REQUIRED).
10.

BLOCKOUT/CUTOUT THROUGH WALL AS REQUIRED, TO ACCOMMODATE HALL BUTTON BOXES, SIGNAL FIXTURES, AND HATCH DUCT. PROVIDE FOR ANY REPAIRS SUCH AS GROUTING, PATCHING, PAINTING, OR FIRE PROOFING.
11.

FOR NON-MASONRY HOISTWAY CONSTRUCTION WITH FLOOR HEIGHTS EXCEEDING 4.5M (15FT), STRUCTURAL SUPPORT AT 2.4M (8FT) TO 4.5M (15FT) ABOVE FINISHED FLOOR LEVEL FOR ENTRANCE STRUT ANGLE ATTACHMENT.
12.

FOR MASONRY HOISTWAY WALLS AT ENTRANCES, PROVIDE ROUGH OPENING OF 203MM (8") ON EACH SIDE AND 203MM (8") ON TOP OF CLEAR OPENING FOR INSTALLATION OF DOORFRAMES AND SILLS. FOR DRYWALL HOISTWAY WALLS AT ENTRANCES, WALLS ARE TO BE BUILT AFTER DOORFRAMES AND SILLS ARE SET IN PLACE.
13.

GROUTING AROUND ENTRANCE FRAMES AND FINISHED FLOOR AND GROUT TO SILL LINE AFTER INSTALLATION OF ENTRANCE.
14.

CONSTRUCTION BARRICADES (PER OSHA REQUIREMENTS) EITHER OUTSIDE OF ELEVATOR HOISTWAY(S) OR BETWEEN ELEVATORS INSIDE OF HOISTWAY(S) AS REQUIRED. BARRICADES TO BE FREESTANDING AND REMOVABLE, LOCATED AT EACH HOISTWAY OPENING AT EACH FLOOR. BARRICADES SHALL BE ERCTED, MAINTAINED, AND REMOVED BY OTHERS.
- PROTECTION FROM FALLS

A.

AS REQUIRED BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 1926.502 B) (1-3) A FREESTANDING REMOVABLE BARRICADE AT EACH HOISTWAY OPENING AT EACH FLOOR. BARRICADES SHALL BE 42" HIGH, WITH MID-RAIL AND KICK BOARD, AND WITHSTAND 200 LBS. OF VERTICAL AND HORIZONTAL PRESSURE.

B.

AS REQUIRED BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) OSHA 1926.502(J) HOISTWAY PROTECTION FROM FALLING DEBRIS AND OTHER TRADES MATERIALS BY EITHER:

1.

8 FOOT SCREENING/MESH IN FRONT OF ALL ELEVATOR ENTRANCES

2.

SECURED/CONTROLLED ACCESS TO ALL ELEVATOR LOBBIES (LOCK AND KEY) WITH POSTED NOTICE " ONLY ELEVATOR PERSONNEL BEYOND THIS PROTECTION"
15.

DRY PIT REINFORCED TO SUSTAIN VERTICAL FORCES FROM RAILS AND IMPACT LOADS ON BUFFERS (RULE 2.2.2). CAR BUFFER IMPACT LOADS AS CALCULATED (RULE 8.2.3).
16.

ADEQUATE SEALING AND WATERPROOFING OF PIT. EFFECTIVE PREVENTION OF PIT EXPOSURE TO STORM WATER OR GROUND WATER.
17.

WHERE THERE IS A DIFFERENCE IN LEVEL BETWEEN THE FLOORS OF ADJACENT PITS, A METAL GUARD SHALL BE INSTALLED NOT LESS THAN 2000 MM (79") ABOVE THE LEVEL OF THE HIGHER PIT FLOOR (RULE 2.2.3.1). WHERE THE DIFFERENCE IN LEVEL IS 600 MM (24") OR LESS, A STANDARD RAILING CONFORMING TO RULE 2.10.2 SHALL BE PERMITTED (RULE 2.2.3.2).
18.

DRAINS & SUMPS IN ELEVATOR PITS, WHERE PROVIDED, SHALL COMPLY WITH THE APPLICABLE PLUMBING CODE, AND THEY SHALL BE PROVIDED WITH A POSITIVE MEANS TO PREVENT WATER, GASES AND ODORS FROM ENTERING THE HOISTWAY. SUMPS AND SUMP PUMPS IN PITS, WHERE PROVIDED, SHALL BE COVERED. THE COVER SHALL BE SECURED AND LEVEL WITH THE PIT FLOOR (RULES 2.2.2.4 AND 2.2.2.6) AND SHOULD BE LOCATED TO CLEAR ELEVATOR EQUIPMENT (CANNOT BE CONNECTED DIRECTLY TO STORM DRAIN OR SEWER). GFCI CONVENIENCE OUTLET AND LIGHT FIXTURE WITH GUARD IN PIT (NATIONAL ELECTRICAL CODE (NFPA 70 RULE 620-85) OR (CSA C22.1-02 SECTION 38-085)). MINIMUM LIGHTING TO BE 100 LUX (10FC) (RULE 2.2.5).
19.

PIT LADDER FOR EACH ELEVATOR IN COMPLIANCE WITH RULE 2.2.4.2. NEAREST POINT OF THE LADDER SHALL BE WITHIN 975MM (39"), MEASURED HORIZONTALLY FROM THE MEANS TO UNLOCK THE EGRESS DOOR FROM THE PIT. THE LADDER SHALL EXTEND NOT LESS THAN 1200MM (48") ABOVE THE SILL OF THE ACCESS DOOR. RUNGS OR CLEATS TO BE NON-SLIP AND SHALL BE SPACED 300MM (12") ON CENTER AND 400MM (16") WIDE (SEE RULE 2.2.4.2 FOR EXCEPTION WHEN UNAVOIDABLE OBSTRUCTIONS ARE ENCOUNTERED). LOCATE PER SCHINDLER FINAL LAYOUT DRAWINGS AND DRAWING DS823. ALL WALK-IN PITS MUST FOLLOW THE REQUIREMENTS OF RULE 2.2.4.5.
21.

GFCI CONVENIENCE OUTLET AND TELEPHONE OUTLET LOCATED IN MACHINE/CONTROL ROOM FOR EACH ELEVATOR (NATIONAL ELECTRICAL CODE (NFPA 70 RULE 620-85) OR (CSA C22.1-02 SECTION 38-085)). DEDICATED ANALOG TELEPHONE LINE CAPABLE OF OUTGOING AND INCOMING CALLS FOR EMERGENCY PHONE SYSTEM (RULES 2.27.1.1 & 2.27.1.2) AND SCHINDLER REMOTE MONITORING (SRM).
22.

MAIN POWER CIRCUIT

A.

JH: A DEDICATED LOCKABLE WALL-MOUNTED OR RECESSED SELF LOCKING PANEL WITH A FUSED DISCONNECT SWITCH OR CIRCUIT BREAKER (WHERE PERMITTED) SUITABLE FOR 3-PHASE POWER FOR THE ELEVATOR CONTROL, LOCATED IN A) THE BUILDING COMMON ELECTRICAL UTILITY ROOM, OR B) A BUILDING SERVICE CORRIDOR, OR C) ON / IN A WALL WITHIN SIGHT OF THE ELEVATOR INSPECTION AND TEST PANEL. DISCONNECT SWITCH OR BREAKER MUST ALSO HAVE AN AUXILIARY (DRY) CONTACT THAT IS POSITIVELY DRIVEN AND OPENS WHEN THE BREAKER OR SWITCH IS OPENED.

B.

JH1: ONLY WHEN MOTOR CONTROLLER IS LOCATED IN HOISTWAY: AN ADDITIONAL LOCKABLE WALL-MOUNTED NON-FUSED DISCONNECT SWITCH IN THE HOISTWAY, TO BE LOCATED ADJACENT TO THE MOTOR CONTROLLER. THIS DISCONNECT MUST ALSO A) BE LOCKABLE IN THE CLOSED POSITION WITH A LOCKING MECHANISM THAT CANNOT BE REMOVED FROM THE DEVICE AND B) HAVE AN AUXILIARY (DRY) CONTACT THAT IS POSITIVELY DRIVEN AND OPENS WHEN THE \ SWITCH IS OPENED. (SEE ALSO NFPA70 REQ. 620.51(C)(1) OR CSA C22.1 REQ. 38-051(6)).

C.

POWER WIRING FROM JHL TO THE CORRESPONDING INSPECTION AND TEST PANEL.

D.

OTHER SINGLE-PHASE FUSED DISCONNECT SWITCHES OR CIRCUIT BREAKERS FOR FUNCTIONS RELATED TO THE ELEVATOR, INCLUDING BUT NOT LIMITED TO POWER FOR RECEPTACLES, LIGHTING, REMOTE MONITORING EQUIPMENT, SEISMIC EQUIPMENT, AND PIT PUMPS, LOCATED ADJACENT TO THE 3-PHASE PANEL OR WITHIN THE 3-PHASE PANEL.

E.

WIRING FROM "OTHER" DISCONNECTS TO RECEPTACLES/LIGHTING DEVICES AT THE DESTINATIONS (PIT, TOP HOISTWAY, MACHINERY/CONTROL SPACES, CONTROL ROOMS, MONITORING STATIONS, ETC.)
23.

GENERAL

THE DEDICATED PANELS OUTSIDE THE HOISTWAY IDENTIFIED ABOVE AND THEIR LOCATION MUST BE IN AN AREA READILY ACCESSIBLE TO QUALIFIED/AUTHORIZED PERSONS (NFPA 70 REQ. 620.51(C)) OR / (CSA 22.1 REQ. 38-051(5)). ACCESS TO EACH DISCONNECT PANEL MUST REQUIRE A GROUP 2 KEY (ASME A17.1/CSA B44 REQ. 8.1.3). THE DISCONNECTS MAY ALSO BE LOCATED WITHOUT PANELS IN A GROUP 2 KEY SECURED ROOM IDENTIFIED AND DEDICATED FOR THE ELEVATOR APPARATUS ONLY.LOCATE AND MARK THE PANELS AND DISCONNECTS WITH APPROPRIATE SIGNAGE, (NFPA 70 REQ. 620-51 THROUGH 620-55) OR (CSA C22.1 REQ. 38-051 THROUGH 38-055). EACH DISCONNECT OR BREAKER ABOVE MUST BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION WITH A LOCKING APPARATUS (EXCLUDING LOCK ITSELF) THAT CANNOT BE REMOVED FROM THE DEVICES OR PANEL(S).

24.

OTHER EQUIPMENT/REQUIREMENTS:

A.

FOR THE MAIN POWER CIRCUIT ONLY:

1.

A 3-PHASE TRANSFORMER MAY BE SUPPLIED TO PROVIDE THE REQUIRED MOTOR CONTROLLER VOLTAGE IF NOT DIRECTLY AVAILABLE WITHIN THE BUILDING. WHEN SUPPLIED, IT IS PREFERABLE TO BE LOCATED IN A COMMON ELECTRICAL ROOM WITH OTHER BUILDING ELECTRICAL APPARATUS. SEE SCHINDLER POWER SUPPLY DATA SHEET.

2.

A LOCAL DISCONNECTING MEANS MUST BE PROVIDED IN THE FEEDER TO THIS TRANSFORMER (NFPA70-11 REQ. 450.14) OR (CSA C22.1-12 REQ. 26-250). WHEN THE JH DISCONNECT IS NOT LOCATED WITHIN SIGHT OF THE TRANSFORMER, AN ADDITIONAL (TRANSFORMER) DISCONNECT LOCATED WITHIN SIGHT OF THE TRANSFORMER SHALL BE PROVIDED BY THE BUILDING. THE INSTALLATION OF A TRANSFORMER DISCONNECT DOES NOT ELIMINATE THE NEED FOR THE JH DISCONNECT.

B.

FOR ALL POWER CIRCUITS

1.

IF A SPRINKLER HEAD IS LOCATED IN THE HOISTWAY OR OTHER DISCONNECT LOCATION, ANY DISCONNECT SERVED BY THAT SPRINKLER HEAD MUST BE NEMA 3 COMPLIANT. SPRINKLERS SHALL BE LOCATED AT THE TOP AND BOTTOM OF THE HOISTWAY PER NFPA 13-2010 REQUIREMENT 8.15.5.6 (SEE ALSO 8.15.5.3 AND A.8.15.5.3).

2.

IN US JURISDICTIONS ONLY, WHEN A SPRINKLER HEAD IS LOCATED IN THE HOISTWAY, THE BUILDING SHALL PROVIDE SHUNT TRIP ACTIVATION OF A) JH, THE MAIN DISCONNECT OR B) THE FEED TO THE MAIN DISCONNECT, TRIGGERED BY CONTACTS OF THE FIRE RECALL INITIATING DEVICES (AS DEFINED BY NFPA). THESE DEVICES, LOCATED IN THE HOISTWAY OR OTHER DISCONNECT LOCATION, SHALL PROVIDE INDEPENDENT DISCONNECTION OF ELECTRICAL POWER TO BOTH MAIN AND AUXILIARY POWER CIRCUITS PRIOR TO SPRINKLER ACTIVATION (ASME A17.1-2007/CSA B44-07 RULE 2.8.3.3. AND/OR LOCAL CODE).

3.

SHUNT TRIP, IF PROVIDED, MUST ALSO HAVE AN AUXILIARY CONTACT THAT FUNCTIONS THE SAME AS THOSE IN THE JH AND JH1 DISCONNECTS.

C.

FOR COMMUNICATIONS CIRCUITS

1.

AN ANALOG TELEPHONE LINE, ONE PER ELEVATOR, SHALL BE PROVIDED. LINE SHALL BE CAPABLE OF RECEIVING INCOMING AND MAKING OUTGOING CALLS. TELEPHONE LINE SHALL ORIGINATE AT THE INSPECTION AND TEST PANEL DESIGNATED BY SCHINDLER AND TERMINATE AT THE BUILDING PHONE SYSTEM.

2.

WHERE THE ELEVATOR RISE IS 18 M (60 FT) OR MORE, AN ADDITIONAL TELEPHONE / PHONE LINE SHALL BE PROVIDED WITHIN THE BUILDING AT A LOCATION ACCESSIBLE BY EMERGENCY PERSONNEL. THIS PHONE LINE SHALL SUPPORT EQUIPMENT THAT IS CAPABLE OF TWO-WAY ANALOG COMMUNICATIONS WITH EACH ELEVATOR CAR (VIA EACH CAR'S INSPECTION AND TEST PANEL) INDIVIDUALLY AND OVERRIDING COMMUNICATIONS BETWEEN THE ELEVATOR CAR AND LOCATIONS OUTSIDE OF THE BUILDING.

3.

TEXT TO TALK VIDEO IS SUPPLIED BY SCHINDLER ELEVATOR.

25.

A LOCKABLE, 13 1/2" X 15 1/2" X 3 1/2" (MINIMUM), METAL CABINET WITH GROUP-1 KEY TO HOUSE REQUIRED ELECTRICAL SCHEMATICS AND MAINTENANCE HISTORY DOCUMENTS, SHALL BE WALL MOUNTED, ADJACENT TO THE DISCONNECT SWITCH, BY OTHERS, AT THE TOP LANDING. THE SUPPLIER, LOCATION AND MOUNTING OF THE CABINET SHALL BE COORDINATED WITH SCHINDLER.

26.

PROVIDE SUITABLE FEEDER AND BRANCH WIRING CIRCUITS FROM THE BUILDING SERVICE TO THE CONTROLLER, INCLUDING MAIN LINE SWITCH, FOR SIGNAL SYSTEMS, POWER OPERATED DOORS, CAR LIGHTING AND CONVENIENCE OUTLETS. SEE SCHINDLER POWER SUPPLY DATA SHEET.

27.

PROVIDE EMERGENCY POWER TRANSFER SWITCH AND POWER CHANGE PENDING SIGNALS AS REQUIRED TO MASTER CONTROL.

28.

LIGHTING, VENTILATION, AND HEATING OF MACHINE/CONTROL ROOM, CONTROL SPACE AND MACHINERY SPACE (RULE 2.7.9)(A17.1 RULE 2.7.5; IBC 2006 SECTION 3006.2). MINIMUM LIGHTING TO BE 200 LUX (19FC). A SWITCH PLACED ADJACENT TO THE ENCLOSURE SHALL CONTROL LIGHTING FOR THE JAMB MOUNTED INSPECTION & TEST PANEL. MACHINE/CONTROL ROOM OR CONTROL SPACE TEMPERATURE TO BE MAINTAINED BETWEEN 5°C (41°F) AND 40°C (104°F) WITH LESS THAN 95% NON-CONDENSING HUMIDITY. INSPECTION AND TEST PANEL FLOOR LANDING MIN. 0°C (32°F) AND MAX 40°C (104°F) WITH LESS THAN 95% NON-CONDENSING HUMIDITY. SEE SCHINDLER POWER SUPPLY DATA SHEET FOR HEAT EMISSIONS.

29.

HOISTING BEAM(S), TRAP DOORS AND OTHER MEANS OF ACCESS TO MACHINERY SPACE OF ADEQUATE SIZE FOR MAINTENANCE AND EQUIPMENT REMOVAL (RULES 2.7.3.4 AND 2.9.3.3). HOISTING BEAM(S) IN EACH SHAFT LOCATED AND LOAD RATED PER SCHINDLER FINAL LAYOUT DRAWINGS. LIFTING POINTS OR BEAM(S) SHALL BE VISIBLY MARKED WITH THE SAFE WORKING LOAD.

30.

CLASS "ABC" FIRE EXTINGUISHERS IN ELECTRICAL MACHINERY AND CONTROL SPACE. EXTINGUISHERS SHALL BE LOCATED CONVENIENT TO ACCESS DOOR (RULE 8.6.1.6.5).

31.

FURNISH ADEQUATE ON-SITE REFUSE CONTAINERS FOR THE PROPER DISPOSAL OF ELEVATOR PACKAGING MATERIAL. IF ADEQUATE CONTAINERS ARE NOT FURNISHED, DISPOSAL OF PACKAGING MATERIAL SHALL BECOME THE RESPONSIBILITY OF THE OWNER.

32.

TEMPORARY SERVICE: SCHINDLER SHALL BE REIMBURSED FOR ANY LABOR AND MATERIAL THAT IS NOT PART OF THE PERMANENT ELEVATOR INSTALLATION AND THAT IS REQUIRED TO PROVIDE TEMPORARY ELEVATOR SERVICE. SCHINDLER'S TEMPORARY ACCEPTANCE FORM SHALL BE EXECUTED AND THE ELEVATOR INSPECTED BEFORE BEING PLACED INTO TEMPORARY SERVICE. THE COSTS ASSOCIATED WITH THE POWER, OPERATION, MAINTENANCE, AND REHABILITATION OF THE EQUIPMENT AND ANY CONSTRUCTION PERMITS OR FEES REQUIRED BY GOVERNING AUTHORITIES SHALL BE PAID FOR BY OTHERS.

33.

WHERE THERE IS A BLIND HOISTWAY, AN EMERGENCY DOOR SHALL BE INSTALLED AT EVERY THIRD FLOOR, BUT NOT MORE THAN 11M (36FT) FROM SILL TO SILL. THE CLEAR OPENING MUST BE AT LEAST 700MM (28") WIDE AND 2030MM (80") HIGH (RULE 2.11.1.2).

34.

A TEMPORARY WORK PLATFORM IS REQUIRED FOR INSTALLATION OF THE ELEVATOR - UNLESS OTHERWISE DIRECTED BY SCHINDLER. IT IS TO BE CONSTRUCTED AT THE TOP FLOOR OF EACH TRACTION ELEVATOR. IT MUST COMPLY WITH APPLICABLE GOVERNING CODES & REGULATIONS. THE PLATFORM SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE. ERECTION, MAINTENANCE, AND REMOVAL ARE BY OTHERS. (REFERENCE SCHINDLER DRAWING TD440)

35.

IN ADDITION TO THE ABOVE, THE FOLLOWING WORK MUST BE COMPLETED BEFORE ELEVATOR(S) ARE PLACED INTO AUTOMATIC OPERATION. (PRIOR TO CODE REQUIRED MUNICIPAL AUTHORITY INSPECTION. REFER TO SCHINDLER ACCEPTANCE INSPECTION STANDARD FORM).

A.

FINISHED CAB FLOORING AND IF APPLICABLE, FITTING OF INTERIOR CAB WALLS AND/OR CEILING.

B.

IF APPLICABLE, SMOKE AND/OR HEAT DETECTORS WITH SIGNALS TO ELEVATOR CONTROLLER(S).

C.

IF APPLICABLE, EMERGENCY POWER GENERATOR AND AUTOMATIC TRANSFER SWITCH WITH CAPACITY TO RUN AT LEAST ONE ELEVATOR AT A TIME.

D.

SEAL ALL PENETRATIONS THROUGH 2-HOUR (OR GREATER) RATED WALLS WITH CODE APPROVED MATERIAL. DRYWALL LINER BEHIND ALL WALL MOUNTED HALL FIXTURES.

E.

ALL RECEPTACLES INSTALLED IN MACHINE/CONTROL ROOMS, MACHINERY SPACES AND PITS MUST HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION (GFCI) (NEC 620 OR CSA 38).

F.

IF APPLICABLE, CONDUIT AND WIRING FOR FIRE ALARM SYSTEM TO EACH ELEVATOR CONTROL IN MACHINE/CONTROL ROOM.

G.

IF APPLICABLE, CONDUIT AND WIRE RUNS FOR EMERGENCY/RESCUE COMMUNICATIONS IN CENTRAL ALARM & CONTROL FACILITY, FIRE CONTROL ROOM, SECURITY DESK, ETC.

H.

IF APPLICABLE, CONDUIT AND WIRE RUNS FOR REMOTE ALARM BELL FROM MACHINE/CONTROL ROOM TO REMOTE LOCATION.

I.

ADEQUATE LIGHTING OF BUILDING CORRIDORS SO THAT ILLUMINATION AT THE LANDING SILL IS MINIMUM 100 LUX (10FC) (RULE 2.11.10.2).

J.

NFPA 72 (FIRE APPARATUS CODE) REQ. 6.15.2.2 REQUIRES THE FIRE CONTROL PANEL RELAYS THAT PROVIDE THE DRY CONTACTS TO OUR CONTROLLER NOT BE LOCATED MORE THAN 3 FEET FROM THE INSPECTION & TEST PANEL JAMB.

YOU AGREE TO INDEMNIFY AND SAVE SCHINDLER HARMLESS AGAINST ANY AND ALL LIABILITY AND COSTS ARISING OUT OF YOUR FAILURE TO CARRY OUT ANY OF THE FOREGOING REQUIREMENTS.

CHANGE NOTICES MUST BE RECEIVED AND FULLY EXECUTED PRIOR TO SCHINDLER ELEVATOR COMPANY PERFORMING ANY ADDITIONAL WORK OUTSIDE OF THE SCOPE OF THE BASE CONTRACT. WRITTEN OR VERBAL NOTICES WILL NOT BE ACCEPTED AS A SUBSTITUTE FOR A FULLY EXECUTED CHANGE NOTICE.

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| | | | |
| 001 | FINALS | 05/31/2022 | DJI |
| SUB | REVISION DESCRIPTION | DATE | APPVD. |
| <div><div><div><div><div><div></div></div><div>Schindler</div></div></div><div>Schindler Elevator Corp. 20 Whippany Road Morristown, NJ 07960 Tel. +1 973.397.6500 www.us.schindler.com</div></div></div> | | <div>GC PACKAGE WORK BY OTHERS</div> | |
| BUILDING: | | STEAMBOAT PLAZA BUILDING | |
| LOCATION: | | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | |
| OWNER: | | GENSLER | |
| ARCHITECT: | | GENSLER | |
| GEN. CONTRACTOR: | | SAUNDERS CONSTRUCTION, INC | |
| ENGINEER: | | DANIEL IANNELLI | |
| DATE: | | 05/31/2022 | |
| GO # | SUB. | CAR | SHEET |
| GRP7784 | 001 | 02 | 1 OF 11 |

3300

LAYOUTS BASED ON OPPORTUNITY: 202472046

WE INVITE YOU TO VISIT OUR WEB SITE: <http://www.us.schindler.com>

| GENERAL | |
|--------------------------|-------------------------------------|
| CAR NUMBER | 02 |
| ELEVATOR TYPE | GENERAL PURPOSE |
| CAPACITY / LOADING CLASS | 3000 lbs [1360 KG] / CLASS A |
| SPEED (VKN) | 150 fpm [0.75 m/s] |
| CONTROL SYSTEM | NX100 |
| CONTROL TYPE | SELECTIVE COLLECTIVE AUTOMATIC |
| DRIVE SYSTEM | VARIODOYN |
| MACHINE VOLTAGE | 480 |
| DRIVE TYPE | VAF023_480 |
| SEISMIC ZONE / CATEGORY | B |
| LOCAL REGULATION CODE | CO1, A17.1 - 2019 |
| LOCAL BUILDING CODE | IBC 2018 |
| NFPA13 CODE | 2016 |
| FIREFIGHTER CAR | NO |
| STRETCHER CAR | NO |
| CP NUMBER | N/A |
| HOISTWAY | |
| MACHINE/CWT LOCATION | ON RAIL IN OVERHEAD |
| OVERHEAD (HSK) | 12'-8" [3861 mm] |
| TRAVEL (HQ) | 30'-0 3/4" [9163 mm] |
| PIT DEPTH (HSG) | 5' [1524 mm] |
| HOISTWAY WIDTH (BS) | 8'-8" [2642 mm] |
| HOISTWAY DEPTH (TS) | 6'-11 5/8" [2124 mm] |
| ENTRANCES (OPENINGS) | 3 (1 FRONT / 2 REAR) |
| QUANTITY OF LANDINGS | 3 |
| PIT SET DRILLING | YES |
| TRACTION | |
| MACHINE TYPE | FMB130-NN-4D400 |
| MACHINE HORSEPOWER | N/A |
| BRAKE ASSEMBLY TYPE | FMB130-NN-4D400 |
| BRAKE MODEL | LEROY SOMER MAGNETIC DISK BRAKE |
| BRAKE QUANTITY/TYPE | 2 MAGNETIC DISK BRAKES |
| DRIVE/CAR SHEAVE DIA | 3.4" (87 MM) |
| STM BELT TYPE | STM-PV30 (FIRE RATED) |
| STM QTY | 4 |
| STM LENGTH (EACH) | 108' [32.9 M] |
| STM TRIP COUNT LIMIT | 1000000 |
| ROPING | 2:1 |
| ENTRANCES | |
| LANDING DOOR TYPE-FRONT | 2-SPD SIDE OPENING LEFT HAND (T2R) |
| LANDING DOOR TYPE-REAR | 2-SPD SIDE OPENING RIGHT HAND (T2L) |
| DOOR WIDTH (BT) | 3'-6" [1067 mm] |
| DOOR HEIGHT (HT) | 7' [2134 mm] |
| CAB HEIGHT (HK) | 7'-9 1/8" [2366 mm] |
| LANDING DOOR LOCK TYPE | FERMATOR |
| LANDING DOOR FIRE RATING | UL 10B 1.5 HOURS |
| DOOR OPERATOR TYPE | FERMATOR COMPACT |
| DOOR CLUTCH TYPE | FERMATOR COMPACT |

CAR ENCLOSURE MEETS THE EQUIVALENT DEFLECTION AND ALLOWABLE STRESS REQUIREMENTS OF 2.15.10 AND 2.15.11

FIELD NOTES:
- MEETS ASME A17.1, ADA AND LOCAL CODES.
- STM TWIST 180 DEGREES BETWEEN CAR AND MACHINE.
- PER ASME A17.1-2019/CSA B44-07 WITH ADDENDAS A-2008 AND B-2009 AND EDITION 2010 INCLUDES COMMUNICATIONS FAILURE INDICATOR TO BE LOCATED IN VICINITY OF PHASE 1 FIRE RECALL SWITCH.
- THIS CONTRACT COMPLIES WITH ASME A17.1-2007/CSA B44-07 WITH ADDENDAS A-2008 AND B-2009 AND EDITION 2010 AND WHERE APPLICABLE INCLUDES EXCEPTION TO THOSE POINTS COVERED UNDER THE ACCOMPANYING VARIANCE DOCUMENTS RELATED TO THE SUSPENSION SYSTEM AND GOVERNOR ROPES THAT CONFORM TO THE LATTER 2010 EDITION AND TO ASME A17.6-2010.

| SAFETY ELEMENTS & GUIDE RAILS | |
|---------------------------------------|----------------------------|
| CAR NUMBER | 02 |
| CAR SAFETY TYPE | SCHINDLER-RF1 |
| CAR GOVERNOR TYPE | SA GBP 202 |
| CAR GOV. ROPE LENGTH | 96.00' [29 m] |
| CAR GOV. ROPE TYPE | 6MM DIA. |
| CAR GUIDERAILS | 12 lbs/ft (T127-1/B) |
| CWT GUIDERAILS | 6 lbs/ft (T75) |
| CAR GUIDESHOE TYPE | SLIDING |
| CWT GUIDESHOE TYPE | SLIDING |
| CAR BUFFER TYPE | SPRING (H06) |
| CAR BUFFER QTY | 2 |
| CAR BUFFER STROKE | 2 1/2" [64 mm] |
| CAR BUFFER SPRING OUTER DIA. / LENGTH | 4.9 [124] / 6.8 [172] |
| CAR RUNBY | 6" [152 mm] |
| CWT BUFFER TYPE | SPRING (D3-01) |
| CWT BUFFER QTY | 1 |
| CWT BUFFER STROKE | 2 1/2" [64 mm] |
| CWT BUFFER SPRING OUTER DIA. / LENGTH | 5.5 [139.7] / 9.06 [230.1] |
| CWT RUNBY | 6" [152 mm] |

| ELECTRICAL DATA | |
|--------------------------------|-------|
| MAIN POWER SUPPLY VOLTAGE (UN) | 480V |
| MAIN POWER PHASE | 3 |
| MAIN POWER FREQUENCY | 60 Hz |
| EMERGENCY POWER OPERATION | NO |
| BATTERY BACKUP (AUTO EVAC) | YES |
| AUTOTRANSFORMER | NO |

| SYSTEM WEIGHTS | |
|-------------------------------|---------------------|
| CAR NET AREA | 33.25 ft2 [3.09 m2] |
| CAR FLOOR THICKNESS (HKZ) | 3/8" [10 mm] |
| CAR ADDITIONAL WEIGHT | 0 LBS [0 KG] |
| CAR WEIGHT | 2499 LBS [1134 KG] |
| MASS ACTING ON SAFETIES (GKU) | 5506 LBS [2497 KG] |
| CWT WEIGHT | 4005 LBS [1817 KG] |
| CWT PERCENTAGE | 50% |
| FLOOR WEIGHT BY OTHERS | 200 LBS [91 KG] |

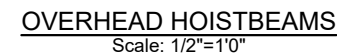
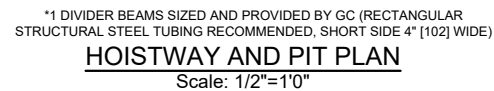
| CONTROL OPTIONS | |
|--------------------------------------|-----------------------------|
| EMERGENCY SERVICE / CODE BLUE | NO |
| HALL SECURITY | HALL CARD READER PROVISIONS |
| CAB SECURITY | CAR CARD READER PROVISIONS |
| VIP SERVICE | NO |
| WATER DETECTION IN PIT | NO |
| TEXT/VIDEO COMMUNICATION | YES |
| LOBBY VISION INTERFACE | NO |
| STATUS (FIREFIGHTER) PANEL INTERFACE | NO |

| ACRONYM | DEFINITION |
|---------|---|
| BGS | DISTANCE BETWEEN COUNTERWEIGHT GUIDE RAILS |
| BIA | BUFFER IMPACT ASSEMBLY |
| BK | CAR WIDTH (INSIDE) |
| BKE | CAR ENTRANCE CLEAR WIDTH |
| BKF1 | CAB INSIDE WALL WIDTH (FRONT LEFT) |
| BKF2 | CAB INSIDE WALL WIDTH (FRONT RIGHT) |
| BKF3 | CAB INSIDE WALL WIDTH (REAR RIGHT) |
| BKF4 | CAB INSIDE WALL WIDTH (REAR LEFT) |
| BKS | DISTANCE BETWEEN CAR GUIDE RAILS |
| CCL1 | CAR C/L TO MACHINE/CWT SIDE WALL |
| CCL2 | CAR C/L TO LONE RAIL WALL SIDE |
| CCU | CAR CONTROL UNIT |
| CIN | CAR LANTERN |
| COP | CAR OPERATING PANEL |
| DCL | DOOR C/L |
| F | FORCE ON GUIDE SHOE IN DIRECTION OF GUIDE RAIL AXIS ON CAR SIDE OR CWT SIDE |
| FF1 | REFER TO F FOR ACTING FORCES ON CAR SIDE |
| FF1g | REFER TO F FOR ACTING FORCES ON CWT SIDE |
| FF2 | REFER TO P FOR ACTING FORCES ON CAR SIDE |
| FF2g | REFER TO P FOR ACTING FORCES ON CWT SIDE |
| F11 | FORCE OF LONE CAR RAIL ON HOISTWAY PIT |
| F9 | FORCE OF CAR BUFFER ON HOISTWAY PIT |
| F10 | FORCE OF CWT BUFFER ON HOISTWAY PIT |
| F12 | FORCE OF CWT-SIDE CAR RAIL ON HOISTWAY PIT |
| F14 | FORCE OF CWT RAIL ON FRONT OF HOISTWAY PIT |
| F13 | FORCE OF CWT RAIL ON REAR OF HOISTWAY PIT |
| HE | FLOOR TO FLOOR DISTANCE |
| HF | DISTANCE BETWEEN GUIDE RAIL BRACKETS |
| HGU | CAR FRAME BOTTOM HEIGHT |
| HK | CAR HEIGHT |

| ACRONYM | DEFINITION |
|---------|---|
| HKA | CAR TOE GUARD HEIGHT |
| HKB | PLATFORM & FLOORING THICKNESS |
| HP CAR | FULL CAR BUFFER HEIGHT |
| HP CWT | FULL CWT BUFFER HEIGHT |
| HPE CAR | HEIGHT OF COMPRESSED CAR BUFFER |
| HPE CWT | HEIGHT OF COMPRESSED CWT BUFFER |
| HSS1 | HEIGHT OF CAR PLINTH |
| HSS2 | HEIGHT OF CWT PLINTH |
| JH1 | AUXILIARY DISCONNECT |
| JH | MACHINE DISCONNECT |
| JHL | CAR SUPPLY DISCONNECT |
| LIN | HALL LANTERN |
| LOP | HALL PUSH BUTTON |
| LDU | LANDING DOOR UNIT, PROVIDES INSPECTION AND TEST PANEL ACCESS |
| LF CAR | CAR RAIL LENGTH |
| LF CWT | CWT RAIL LENGTH |
| P | FORCE ON GUIDE SHOE PERPENDICULAR TO GUIDE RAIL AXIS ON CAR OR CWT SIDE |
| RO | ROUGH OPENING |
| SF1 | LEFT HW WALL TO BASE OF CAR RAIL DISTANCE |
| SF2 | RIGHT HW WALL TO BASE OF CAR RAIL DISTANCE |
| SG | HW WALL TO CWT C/L |
| SKO | OVER-TRAVEL OF CAR ABOVE |
| SKS | HALF-GRAVITY STOPPING DISTANCE |
| SKU | OVER-TRAVEL OF CAR CAR BELOW |
| STM | SUSPENSION TRACTION MEDIA |
| TA | AUTOTRANSFORMER 20KVA |
| TAS | CONTROL TRANSFORMER 1KVA |
| TCRR | TOP OF CAR RAIL |
| TCWR | TOP OF COUNTERWEIGHT RAIL |
| TG | COUNTERWEIGHT DEPTH |
| TK | CAR DEPTH (INSIDE) |
| TKA | CAR SILL TO INSIDE CAR WALL |
| TKS | RUNNING CLEARANCE |
| TKSW1 | CAR C/L TO FRONT HW WALL DISTANCE |
| TKSW2 | CAR C/L TO REAR HW WALL DISTANCE |
| TSU | TRANSFER SWITCH UNIT |
| TSW | ENTRANCE SILL DEPTH |
| XCW | CWT C/L TO CAR GUIDE RAIL BASE DISTANCE |

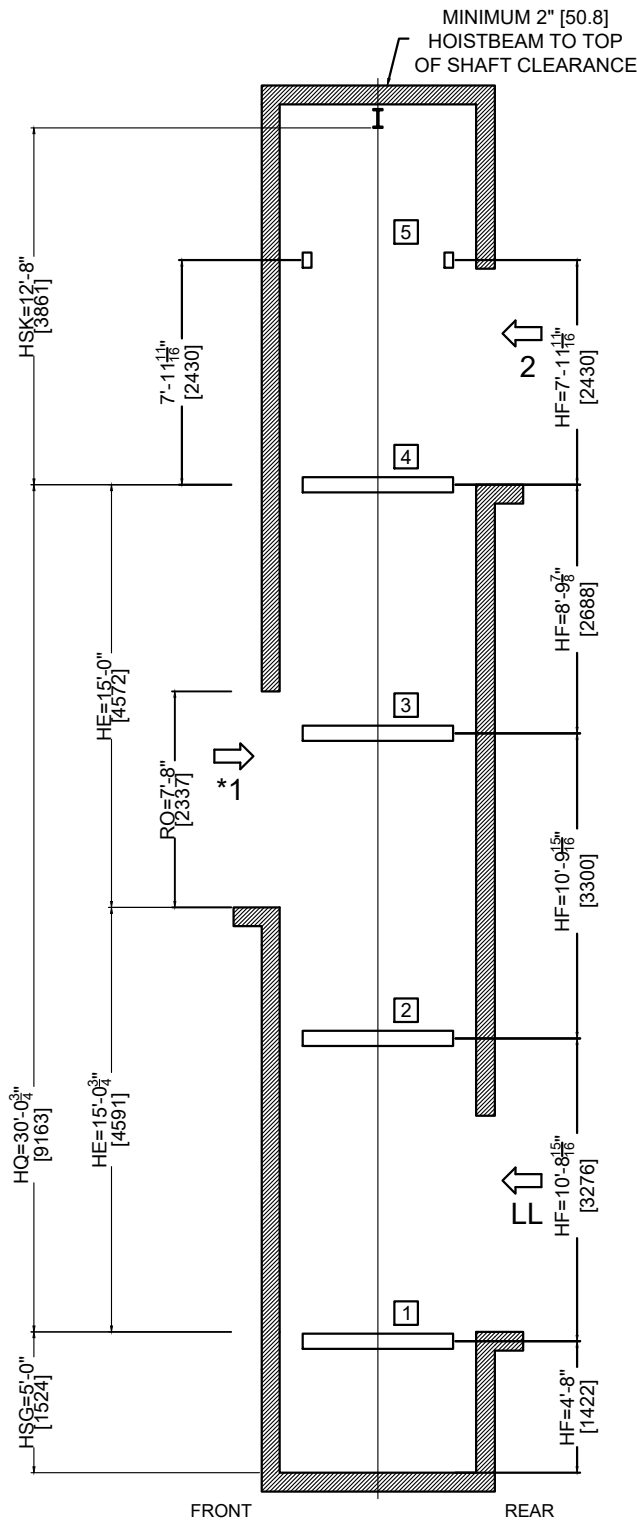
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| 001 | FINALS | 05/31/2022 | DJI | | |
| SUB | REVISION DESCRIPTION | DATE | APPVD. | | |
| <div><div></div><div><div>Schindler Elevator Corp. 20 Whippany Road Morristown, NJ 07960</div><div>Tel. +1 973.397.6500 www.us.schindler.com</div></div></div> | | GC PACKAGE SPECIFICATIONS & DATA | | | |
| BUILDING: | | | | STEAMBOAT PLAZA BUILDING | |
| LOCATION: | | | | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | |
| OWNER: | | | | GENSLER | |
| ARCHITECT: | | | | GENSLER | |
| GEN. CONTRACTOR: | | | | SAUNDERS CONSTRUCTION, INC | |
| ENGINEER: | | | | DANIEL IANNELLI | |
| DATE: | | | | 05/31/2022 | |
| GO # | | SUB. | CAR | SHEET | |
| GRP7784 | | 001 | 02 | 2 OF 11 | |

1. GUIDE RAILS INCLUDE SAFETIES APPLICATION, GOVERNOR LOAD AND EQUIPMENT ON RAILS.
2. SUMP PIT IN ELEVATOR PITS, WHERE PROVIDED, SHALL COMPLY WITH THE APPLICABLE PLUMBING CODE, AND THEY SHALL BE PROVIDED WITH A POSITIVE MEANS TO PREVENT WATER, GASES AND ODORS FROM ENTERING THE HOISTWAY. SUMPS AND SUMP PUMPS IN PITS, WHERE PROVIDED, SHALL BE COVERED. THE COVER SHALL BE SECURED AND LEVEL WITH THE PIT FLOOR PER APPLICABLE A17.1 EDITION AND SHOULD BE LOCATED TO CLEAR ELEVATOR EQUIPMENT (CANNOT BE CONNECTED DIRECTLY TO STORM DRAIN OR SEWER). PLACEMENT OF SUMP PUMP SHALL NOT IMPEDE ON DESIGNATED REFUGE SPACE. SUMP PITS INCLUDING PUMPS AND PIPES MUST BE LOCATED AT A MINIMUM OF 12" FROM RAIL FOOT PRINT (REFER TO HATCH PLAN). ONLY ONE SUMP PUMP REQUIRED IF HOISTWAYS ARE OPEN TO EACH OTHER. COORDINATE SUMP LOCATION WITH SCHINDLER SUPERINTENDENT.
3. PIT LIGHT ("LT") & GFCI BY OTHERS. LOCATE ON REAR WALL NO LESS THAN 32" [813] BELOW BOTTOM LANDING.
4. GC TO PROVIDE AND INSTALL STEEL I-BEAM(S) AS SHOWN IN THE OVERHEAD HOISTBEAMS DETAIL. EACH BEAM SHOULD BE CAPABLE OF WITHSTANDING A MINIMUM LIVE LOAD [A] OF 7500 lbs [3402 kg]. PLACED ANYWHERE ALONG THE SPAN.

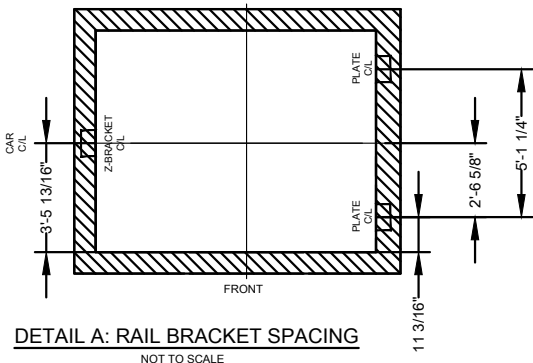


| VERTICAL LOADS CAR 02 | | | | | |
|---|-----------|--|-----------|----------|----------|
| NOTE: F9 DOES NOT OCCUR SIMULTANEOUSLY WITH F11 & F12 | | | | | |
| BUFFER IMPACT | | GUIDE RAILS IMPACT RAIL LOADS INCLUDE SAFETY APPLICATION & EQUIPMENT WEIGHT | | | |
| F9 | F10 | F11 | F12 | F13 | F14 |
| 9596 lbf | 14093 lbf | 16894 lbf | 20995 lbf | 3422 lbf | 3422 lbf |
| 42.7 kN | 62.7 kN | 75.1 kN | 93.4 kN | 15.2 kN | 15.2 kN |

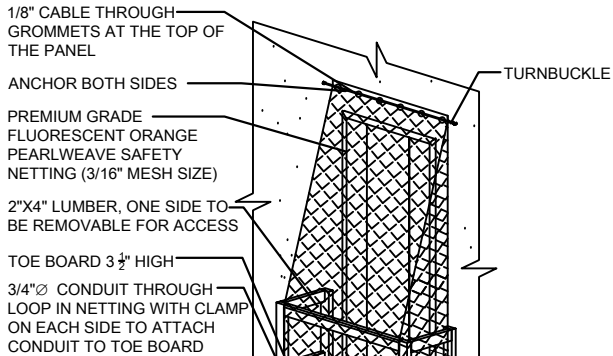
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| 001 | FINALS | | 05/31/2022 | DJI |
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| BUILDING: | | STEAMBOAT PLAZA BUILDING | | |
| LOCATION: | | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | | |
| OWNER: | | GENSLER | | |
| ARCHITECT: | | GENSLER | | |
| GEN. CONTRACTOR: | | SAUNDERS CONSTRUCTION, INC | | |
| ENGINEER: | | DANIEL IANNELLI | | |
| DATE: | | 05/31/2022 | | |
| GO # | | SUB. | CAR | SHEET |
| GRP7784 | | 001 | 02 | 3 OF 11 |
| | | | | 3300 |



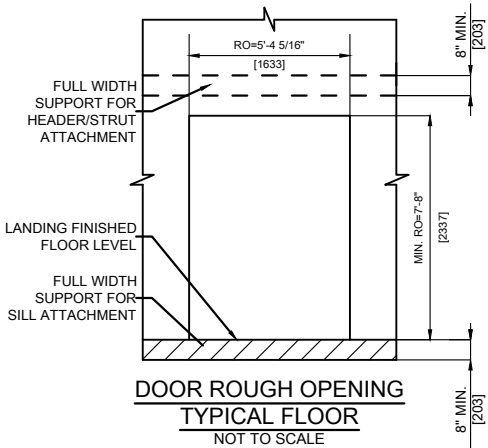
ELEVATION DETAIL CAR 02




DETAIL A: RAIL BRACKET SPACING



DOOR OPENING
BARRIER DETAIL (BY OTHERS)
NOT TO SCALE



DOOR ROUGH OPENING
TYPICAL FLOOR
NOT TO SCALE

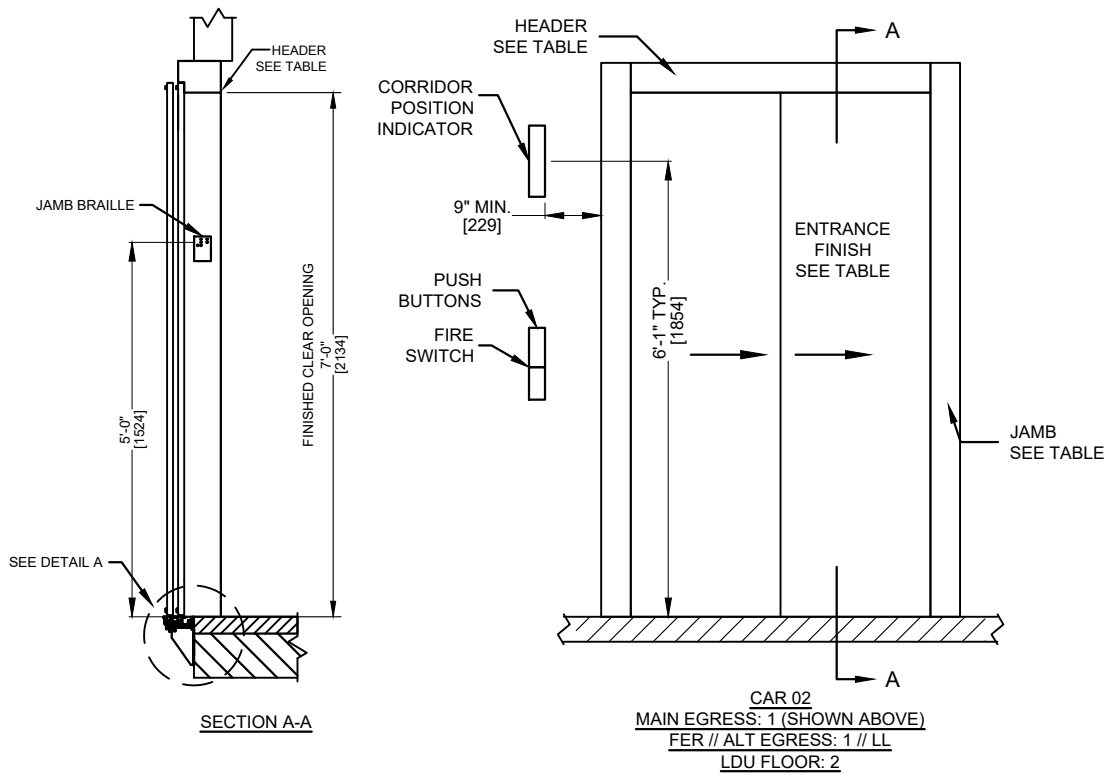
| RAIL STACK LEGEND | | | |
|--------------------|--------------------|--------------------|---|
| SYMBOL | DESCRIPTION | |  |
| # | GUIDE RAIL BRACKET | | |
| # | OPENING | | |
| | | | |
| F&P CAR RAIL LOADS | | F&P CWT RAIL LOADS | |
| F (FF1) | P (FF2) | F (FF1) | P (FF2) |
| 315 lbf | 138 lbf | 74 lbf | 7 lbf |
| 1401 N | 614 N | 329 N | 31 N |

NOTES:

1. MAXIMUM RAIL BRACKET SPAN ALLOWED IS 10'-9 15/16" [3300]. MAXIMUM SPACING BETWEEN BRACKETS FROM L BRACKET TO LAST OMEGA BRACKET OR FROM OVERHEAD Z BRACKET TO Z BRACKET BELOW IS 10'-9 15/16" [3300].
2. SMOKE VENT LOCATED IN OVERHEAD PER APPLICABLE A17.1 EDITION.
3. OUT OF LEVEL OF PIT FLOOR NOT TO EXCEED +0.5" [+12].
4. A BUILDING SUPPORT (PROVIDED BY THE GC) IS REQUIRED AT THE SPECIFIED ELEVATION FOR ATTACHMENT OF THE ELEVATOR RAIL BRACKETS TO THE BUILDING. THE MAXIMUM DEFLECTION OF THE BRACKET SUPPORT SHOULD NOT EXCEED .0625" [1.5] FOR NON-SEISMIC LOCATIONS OR 0.125" [3] FOR SEISMIC LOCATIONS.
5. ALL DIMENSIONS ARE FROM FINAL FINISHED FLOOR.
6. HATCH WIDTH, HATCH DEPTH, PIT DEPTH AND OVERHEAD TO BE +1"-0"
7. HATCH TO BE PLUMB WITHIN 1" TOP TO BOTTOM

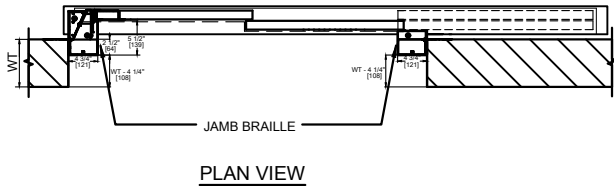
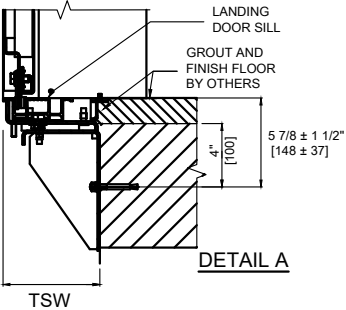
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| <div><div><div>Schindler</div><div>Schindler Elevator Corp. 20 Whippany Road Morristown, NJ 07960 Tel. +1 973.397.6500 www.us.schindler.com</div></div></div> | | | | GC PACKAGE ELEVATION VIEW | | | | |
| | | | | | BUILDING: | | STEAMBOAT PLAZA BUILDING | |
| | | | | | LOCATION: | | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | |
| | | | | | OWNER: | | GENSLER | |
| | | | | | ARCHITECT: | | GENSLER | |
| | | | | | GEN. CONTRACTOR: | | SAUNDERS CONSTRUCTION, INC | |
| | | | | | ENGINEER: | | DANIEL IANNELLI | |
| | | | | | DATE: | | 05/31/2022 | |
| GO # | | SUB. | CAR | SHEET | | | | |
| GRP7784 | | 001 | 02 | 4 OF 11 | | | | |

3300



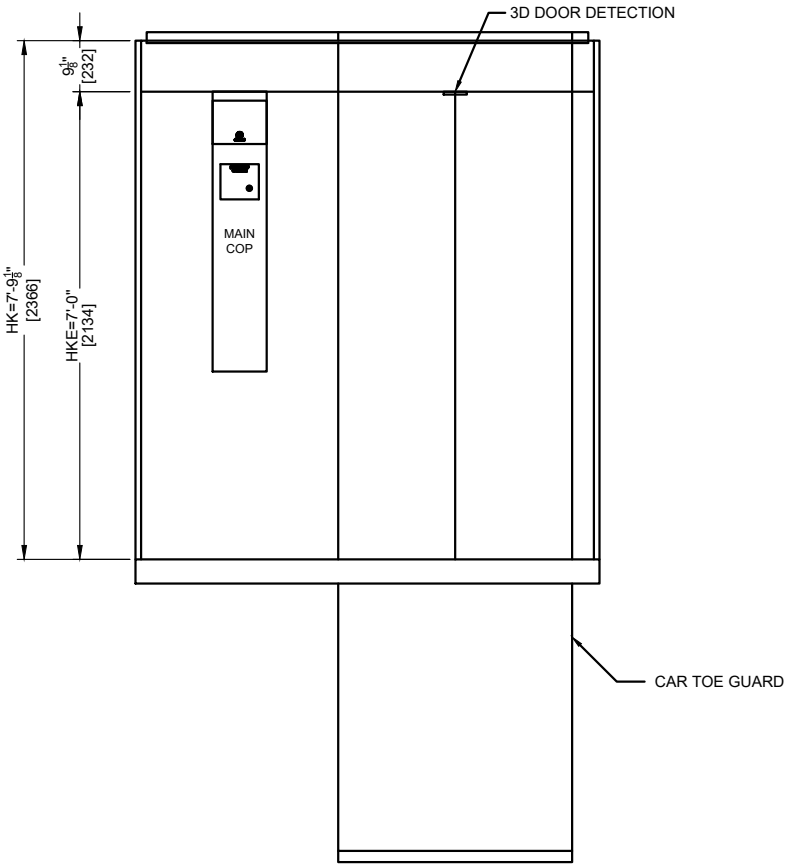
NOTES:

1. HOISTWAY WALLS TO HAVE A FIRE ENDURANCE RATING NOT LESS THAN REQUIRED BY APPLICABLE A17.1 EDITION.
2. FURNISHING, INSTALLING, AND MAINTAINING THE REQUIRED FIRE RATING OF ELEVATOR HOISTWAY WALLS, INCLUDING THE PENETRATION OF FIRE WALL BY ELEVATOR FIXTURE BOXES, IS NOT THE RESPONSIBILITY OF ELEVATOR CONTRACTOR.
3. THE INTERFACE OF HOISTWAY WALL WITH THE HOISTWAY ENTRANCE ASSEMBLY SHALL BE IN STRICT COMPLIANCE WITH THE CONTRACTOR'S REQUIREMENTS IN ORDER TO RETAIN FIRE RATINGS & LABEL VALIDITY OF ELEVATOR HOISTWAY DOORS AND FRAMES.
4. FILLING AND GROUTING AS REQUIRED (BY OTHERS).
5. WHEN WALL MOUNTED FIXTURES, SUPPORT FOR FIXTURE BOXES AS REQUIRED (BY OTHERS).
6. WALL THICKNESS MUST BE MAINTAINED FOR PROPER INSTALLATION OF ENTRANCES.
7. DOOR FIRE RATING 1.5 HR.
8. TOTAL HORIZONTAL FORCE OF 1125 LBF IS IMPOSED ON THE BUILDING STRUCTURE THROUGH ALL THE FIXATION POINTS PER ENTRANCE. REFER TO APPLICABLE A17.1 EDITION.
9. REFER TO FIXTURES SHEET FOR LOCATION OF ALL FIXTURES.
10. FOR CONCRETE WALL CONSTRUCTION, ADDITIONAL 3/4" TOLERANCE IS ADDED TO THE JAMB.

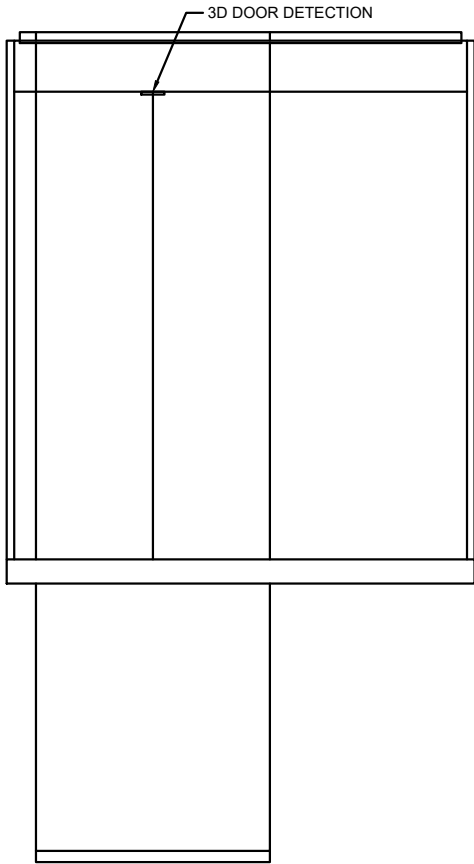


| TABLE OF ENTRANCE DETAILS CAR 02 | | | | | | | | | | |
|----------------------------------|-------|---------------------|----------------|----------------|------------------------|---|---------------------|---------------|--------------|--------------|
| OPENING | | WALL THICKNESS (WT) | CONSTRUCTION | | ENTRANCE SILL MATERIAL | JAMB FINISH (14 GA. STL / DOOR FINISH (18 GA. STL.) | DOOR PANEL WEIGHT | JAMB | | |
| FLOOR | TYPE | | SILL INTERFACE | WALL INTERFACE | | | | HEADER REVEAL | LEFT REVEAL | RIGHT REVEAL |
| LL | REAR | 8" [203] | CONCRETE | CMU/BLOCK | ALUMINUM | CLEVELAND SATIN | 105.4 LBS [47.8 KG] | 4 3/4" [121] | 4 3/4" [121] | 4 3/4" [121] |
| *1 | FRONT | 8" [203] | CONCRETE | CMU/BLOCK | ALUMINUM | CLEVELAND SATIN | 105.4 LBS [47.8 KG] | 4 3/4" [121] | 4 3/4" [121] | 4 3/4" [121] |
| 2 | REAR | 8" [203] | CONCRETE | CMU/BLOCK | ALUMINUM | CLEVELAND SATIN | 105.4 LBS [47.8 KG] | 4 3/4" [121] | 4 3/4" [121] | 4 3/4" [121] |

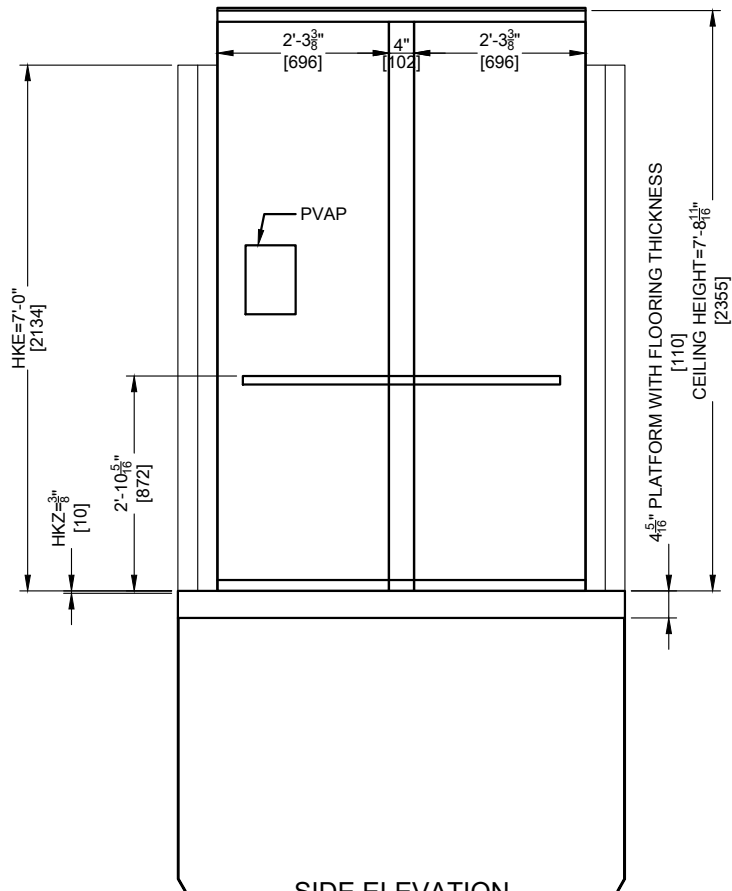
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| 001 | FINALS | 05/31/2022 | DJI |
| SUB | REVISION DESCRIPTION | DATE | APPVD. |
|  Schindler Elevator Corp. 20 Whippany Road Morristown, NJ 07960 Tel. +1 973.397.6500 www.us.schindler.com | | GC PACKAGE ENTRANCES | |
| | | | |
| BUILDING: | | STEAMBOAT PLAZA BUILDING | |
| LOCATION: | | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | |
| OWNER: | | GENSLER | |
| ARCHITECT: | | GENSLER | |
| GEN. CONTRACTOR: | | SAUNDERS CONSTRUCTION, INC | |
| ENGINEER: | | DANIEL IANNELLI | |
| DATE: | | 05/31/2022 | |
| GO # | SUB. | CAR | SHEET |
| GRP7784 | 001 | 02 | 5 OF 11 |



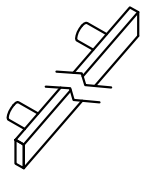
FRONT ELEVATION



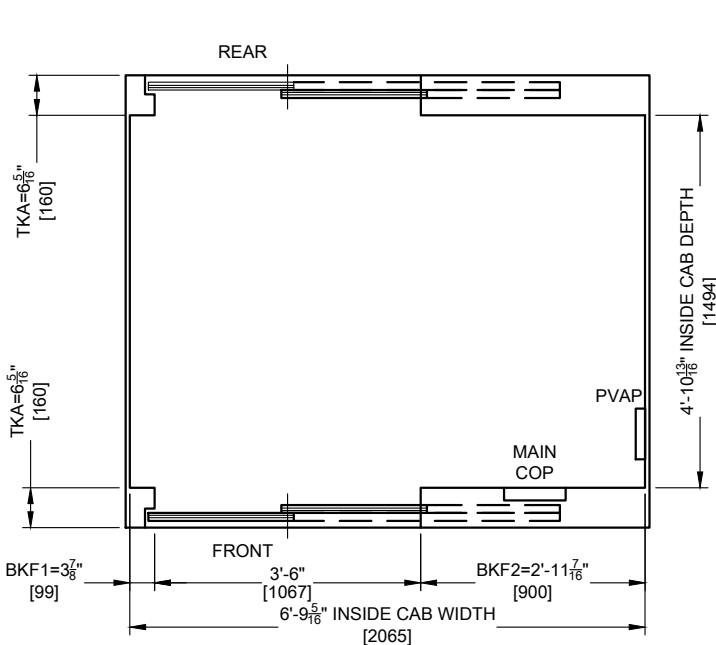
REAR ELEVATION



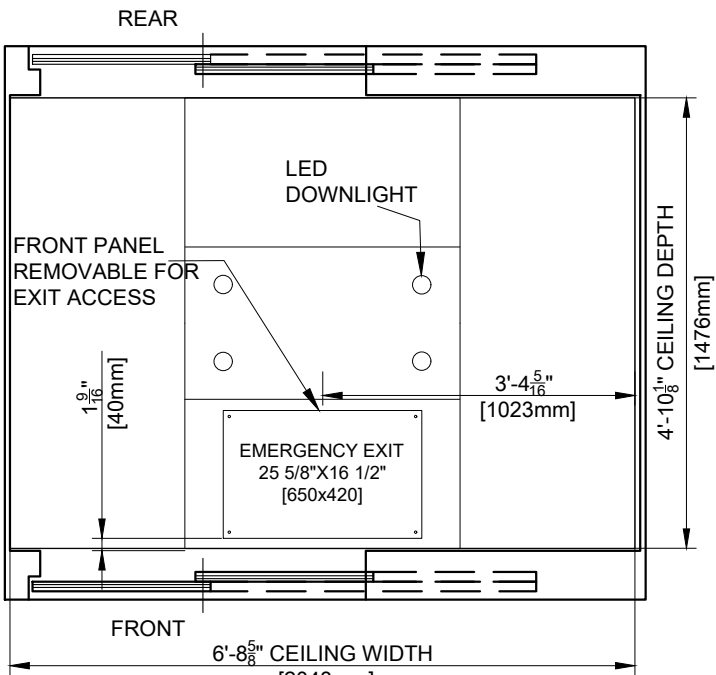
SIDE ELEVATION



HANDRAIL
NOT TO SCALE



CAR PLAN



CEILING PLAN

| CAR FRONT | | OPTIONS | |
|------------------------|------------------------------|------------------------------|-----------------------|
| CAR FRONT DECORATION | CLEVELAND SATIN | CAR FAN TYPE | 1 SPEED |
| CAR DOOR DECORATION | CLEVELAND SATIN | CAR LANTERN | NOT REQUIRED |
| CAR DOOR PANEL WEIGHT | 111.1 LBS [50.4 KG] | HANDRAIL LOCATION | RIGHT, LEFT |
| COP FACEPLATE MATERIAL | STEEL | HANDRAIL TYPE | RECTANGULAR(STRAIGHT) |
| CAR POSITION INDICATOR | IN MAIN COP | HANDRAIL FINISH | BRUSHED ALUMINUM |
| SILL TYPE | ALUMINUM | TELEPHONE | HANDS-FREE ADA |
| LIGHT CURTAIN TYPE | 3D DOOR DETECTION | FLOOR | |
| CAR WALLS | | FLOOR RECESS | 3/8" [10] |
| SIDE WALL TYPE | APPLIED(LAMINATE) | FLOOR TYPE | BY OTHERS |
| SIDE WALL FINISH | BLACK VELVET TRACELESS | CEILING | |
| REAR WALL | N/A | LED DOWN LIGHT - ROUND SPOTS | |
| REAR WALL FINISH | N/A | #4 STAINLESS STEEL | |
| CEILING | | AUTOMATIC ON/OFF | |
| CEILING TYPE | LED DOWN LIGHT - ROUND SPOTS | | |
| CEILING FINISH | #4 STAINLESS STEEL | | |
| CAR LIGHTING TYPE | AUTOMATIC ON/OFF | | |

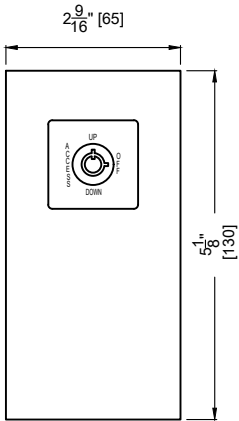
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| BUILDING: | | STEAMBOAT PLAZA BUILDING | | |
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| ARCHITECT: | | GENSLER | | |
| GEN. CONTRACTOR: | | SAUNDERS CONSTRUCTION, INC. | | |
| ENGINEER: | | DANIEL IANNELLI | | |
| DATE: | | 05/31/2022 | | |
| GO # | | SUB. | CAR | SHEET |
| GRP7784 | | 001 | 02 | 6 OF 11 |



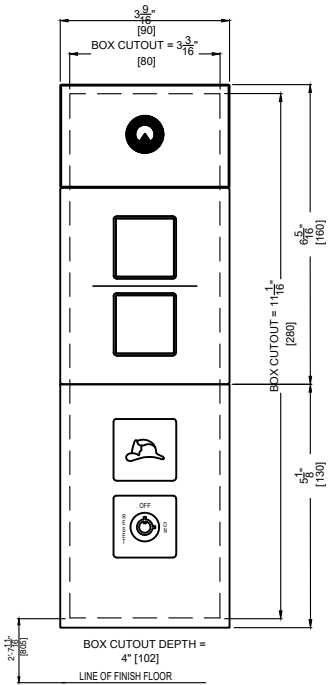
Schindler Elevator Corp.
20 Whippany Road
Morristown, NJ 07960

Tel. +1 973.397.6500
www.us.schindler.com

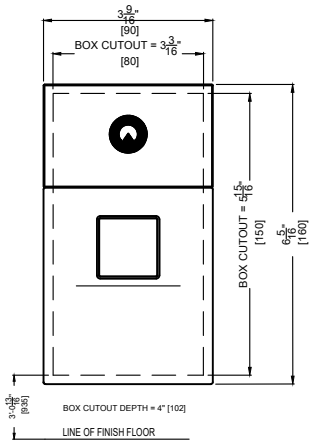
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| GC PACKAGE | | CAB | |
| 3300 | | LAYOUTS BASED ON OPPORTUNITY: 2024/2046 | |



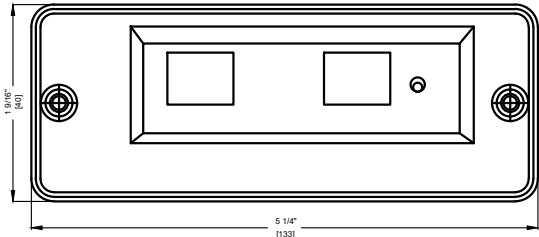
HOISTWAY ACCESS SWITCH
AT FLOORS LL AND 2



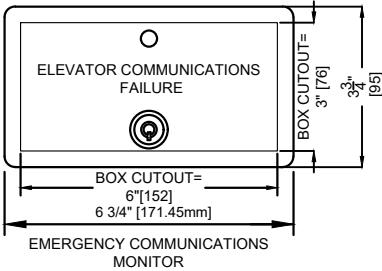
INTERMEDIATE PUSHBUTTONS
FIREFIGHTER HAT INDICATOR
& FIRE SERVICE SWITCH



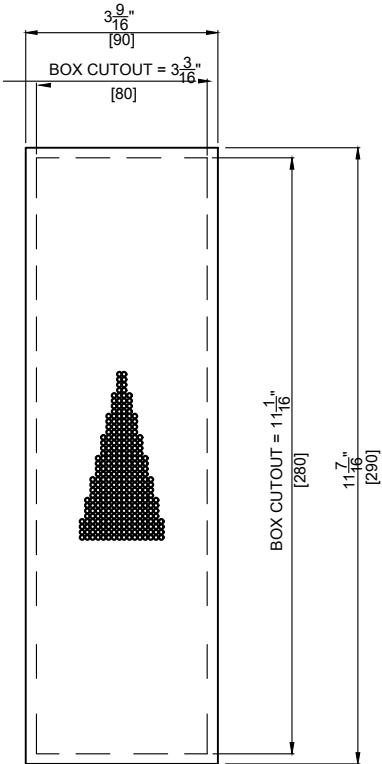
TERMINAL PUSHBUTTONS



3D DOOR EDGE SENSOR



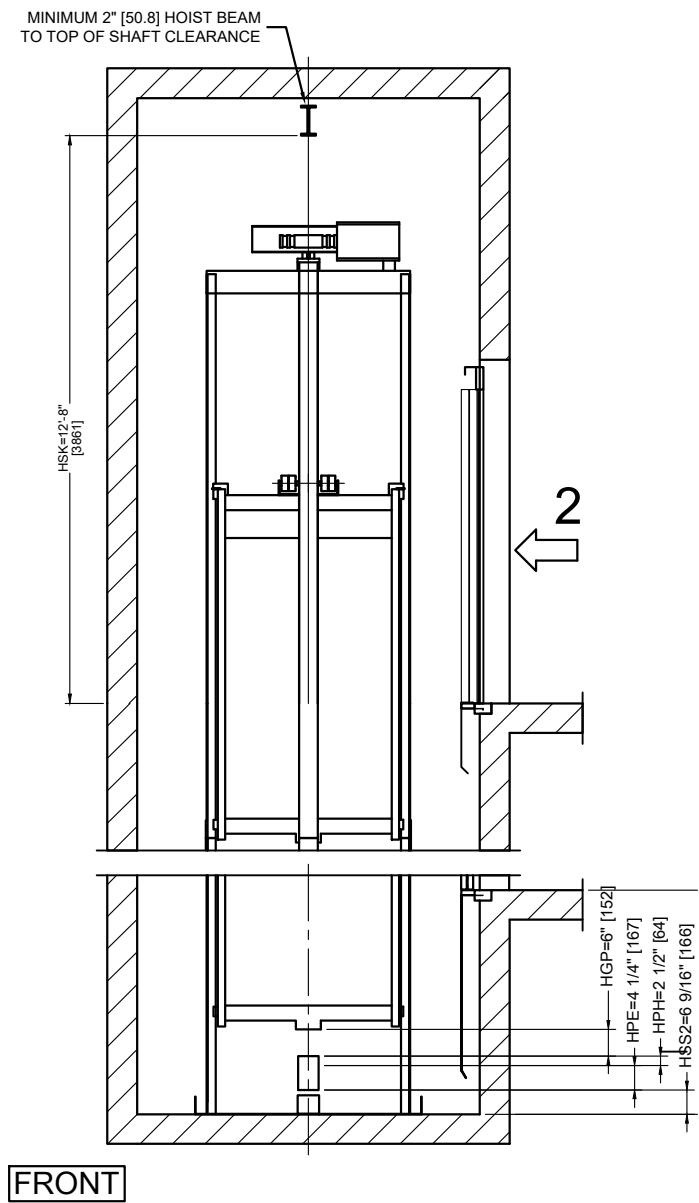
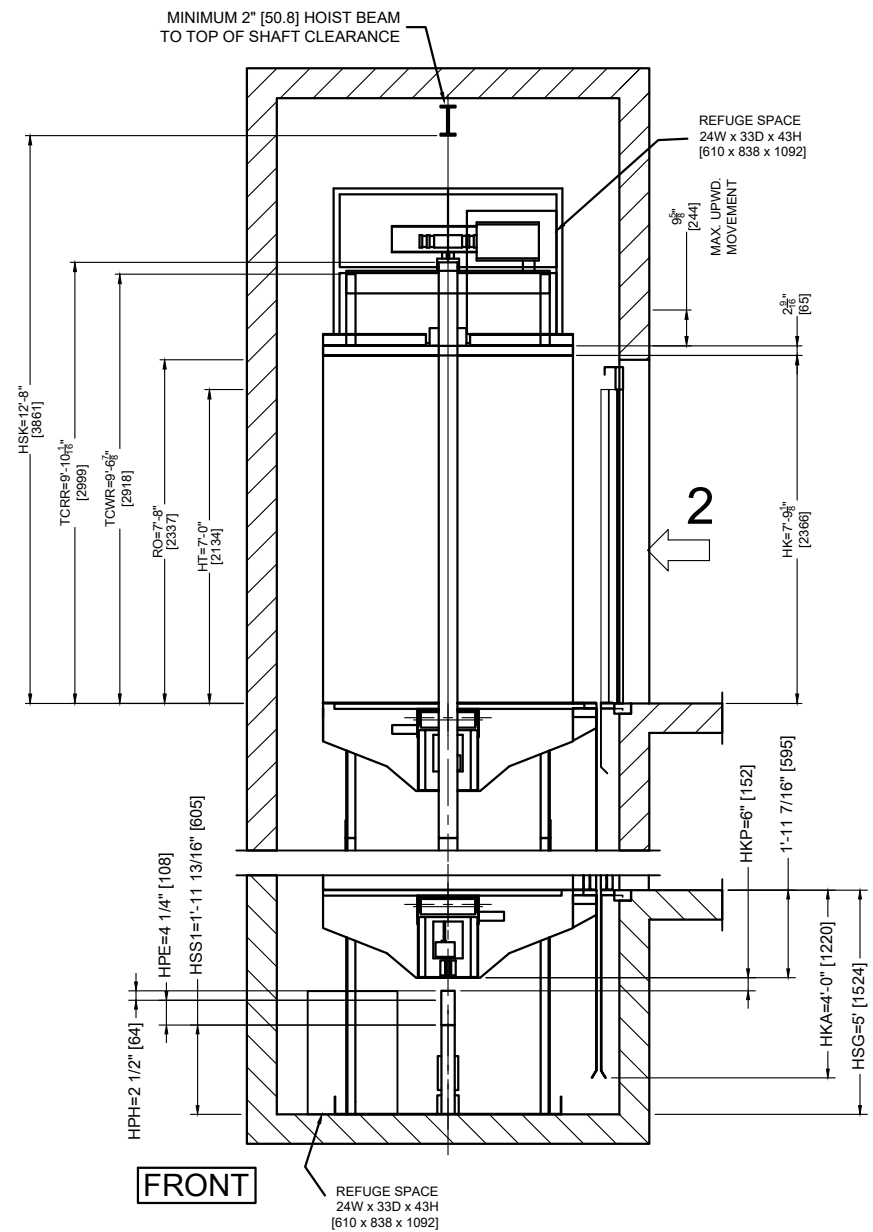
EMERGENCY COMMUNICATIONS
MONITOR



BOX CUTOUT DEPTH =
4-0\" [102]

LANDING INDICATOR PANEL
ALL FLOORS

| | | | |
|---|----------------------|---|---------|
| | | | |
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| | | | |
| BUILDING: | | STEAMBOAT PLAZA BUILDING | |
| LOCATION: | | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | |
| OWNER: | | GENSLER | |
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| GEN. CONTRACTOR: | | SAUNDERS CONSTRUCTION, INC | |
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| GO # | SUB. | CAR | SHEET |
| GRP7784 | 001 | 02 | 8 OF 11 |



| | CAR BUFFER | CWT BUFFER |
|--------------|--------------|---------------|
| MODEL | SPRING | SPRING |
| HP | 6 3/4" [172] | 9 1/16" [230] |
| # OF BUFFERS | 2 | 1 |

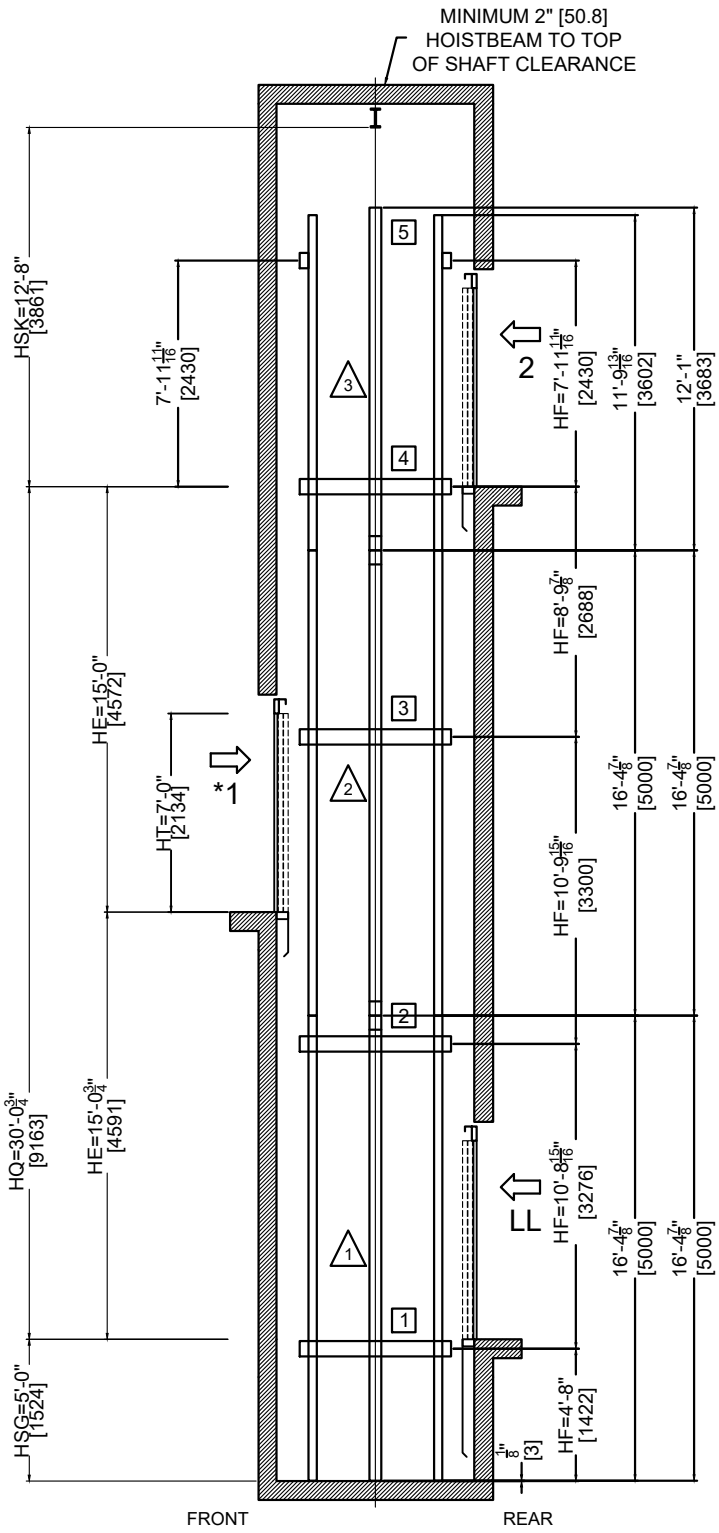
| MISCELLANEOUS DIMENSIONS | |
|--------------------------|--------------------|
| HGR | 8'-8 15/16" [2665] |
| HGU | 1" [25] |
| HKB | 3 15/16" [100] |
| SKS (CAR JUMP) | 1 1/8" [28] |
| SGS (CWT JUMP) | 1 1/8" [28] |

| | | | |
|--|---|------------|---------|
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| GRP7784 | 001 | 02 | 9 OF 11 |

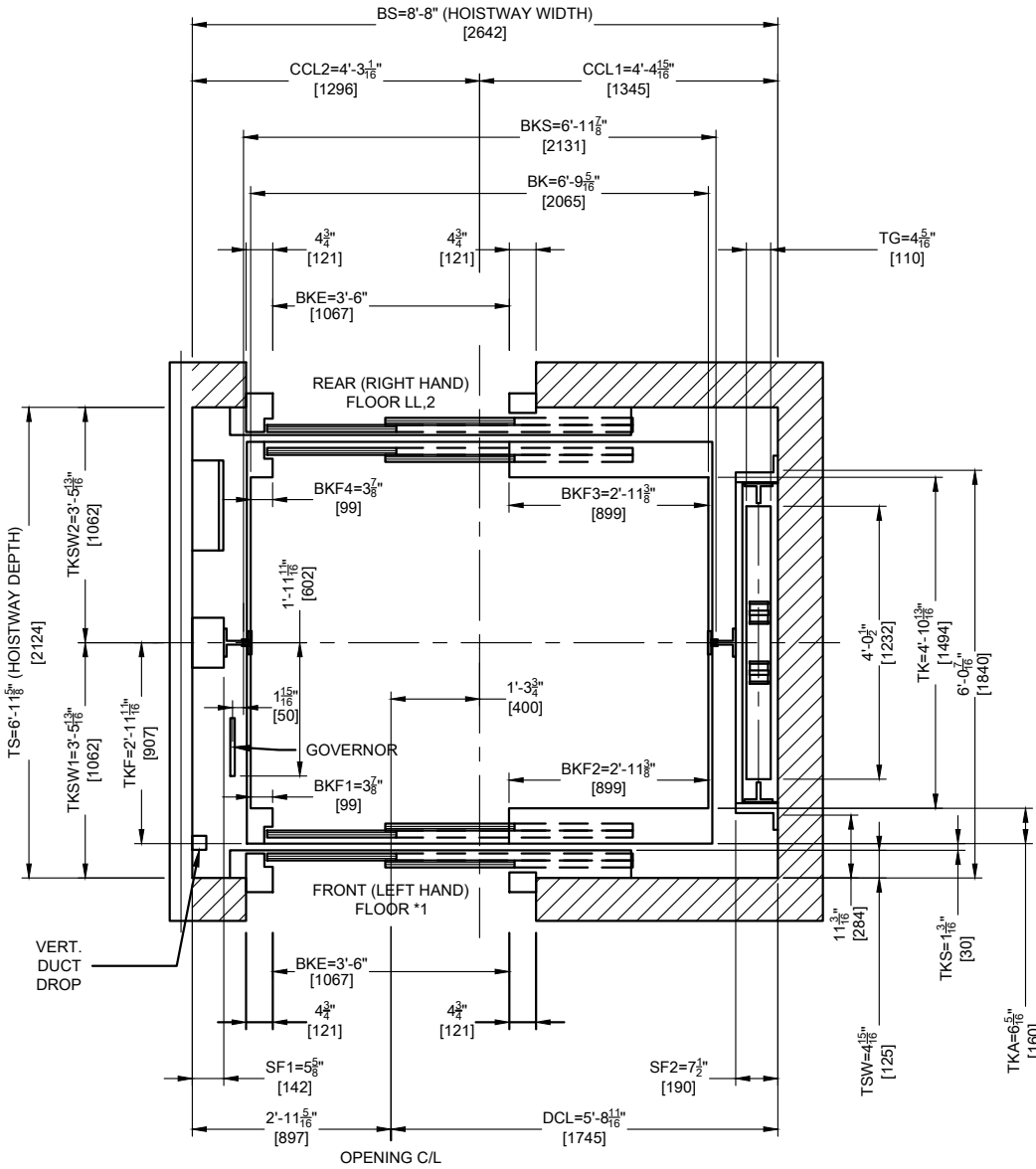
INSTALLER PACKAGE -
CAR & CWT CLEARANCES

3300

Max Bracket Span = 10'-9 15/16" [3300]

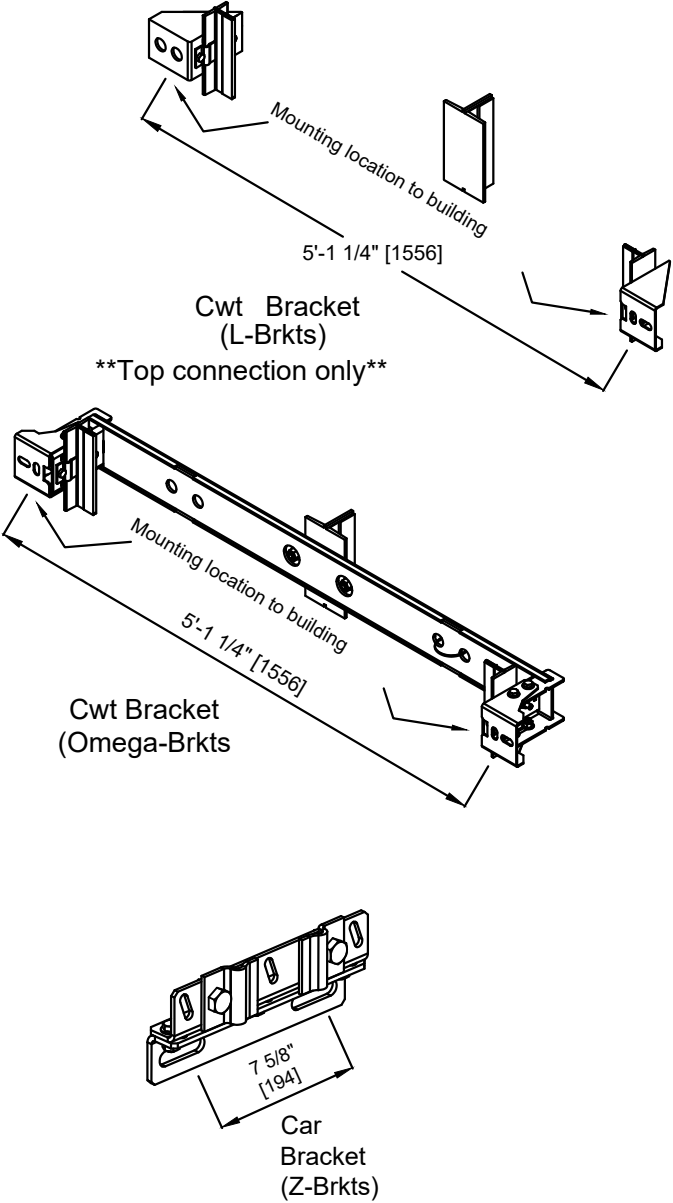


ELEVATION DETAIL CAR 02



HATCH PLAN
Scale: 3/4"=1'0"

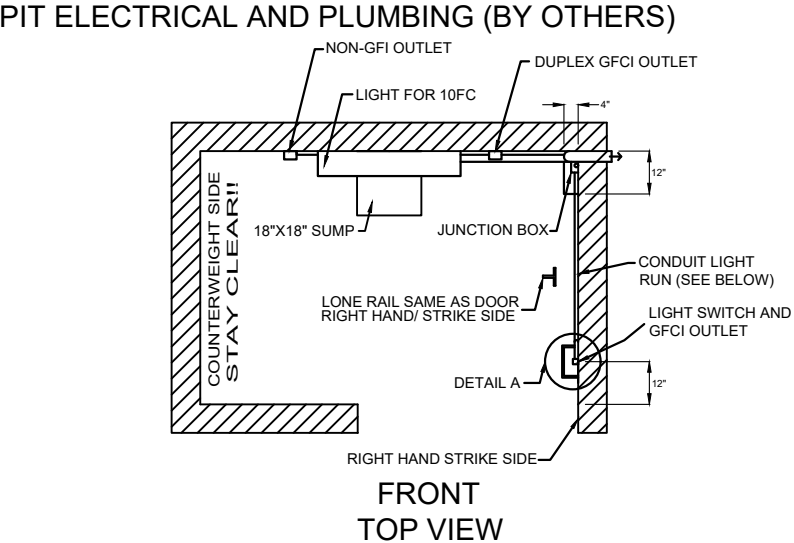
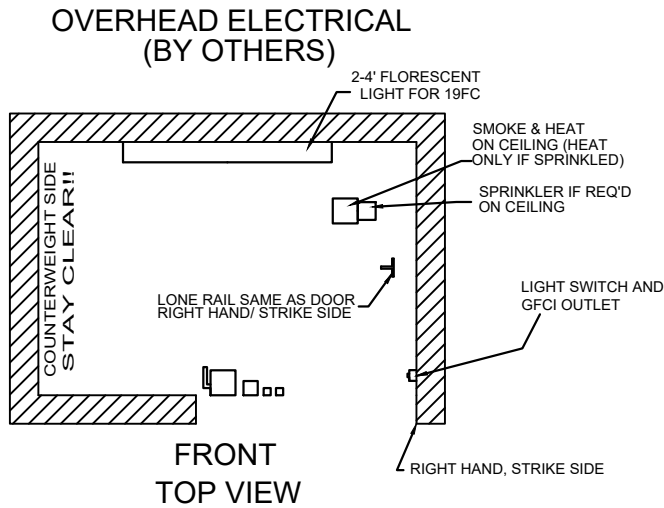
For Bracket Welding Details reference:
Vertical Tube Steel (VTS) Z_44140065
Horizontal Steel Z_44140069
Steel Divider Beam Z_44106239 and
Z_44130861



| RAIL STACK LEGEND - CAR 02 | |
|----------------------------|--------------------|
| SYMBOL | DESCRIPTION |
| | FISH PLATE |
| | GUIDE RAIL |
| | GUIDE RAIL BRACKET |
| | OPENING |

| RAIL INFORMATION | | | |
|-------------------|--------|------------|-----------------|
| 5m (QTY) | | 2.5m (QTY) | |
| 6 | | 0 | |
| BRACKET SELECTION | | | ATTACHMENT |
| CAR SIDE | | | |
| TYPE | QTY | TYPE | |
| Z BRACKET | Z-C-NS | 5 | BOLTED |
| CWT SIDE | | | |
| TOP L BRACKET | L-NS | 1 | BOLTED (ANCHOR) |
| OMEGA BRACKET | O-NS | 4 | BOLTED (ANCHOR) |
| INT. TIE BRACKET | | | |
| DIVIDER BEAM BRKT | N/A | 0 | N/A |

| | | | |
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| LOCATION: | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | | |
| OWNER: | GENSLER | | |
| ARCHITECT: | GENSLER | | |
| GEN. CONTRACTOR: | SAUNDERS CONSTRUCTION, INC | | |
| ENGINEER: | DANIEL IANNELLI | | |
| DATE: | 05/31/2022 | | |
| GO # | SUB. | CAR | SHEET |
| GRP7784 | 001 | 02 | 10 OF 11 |

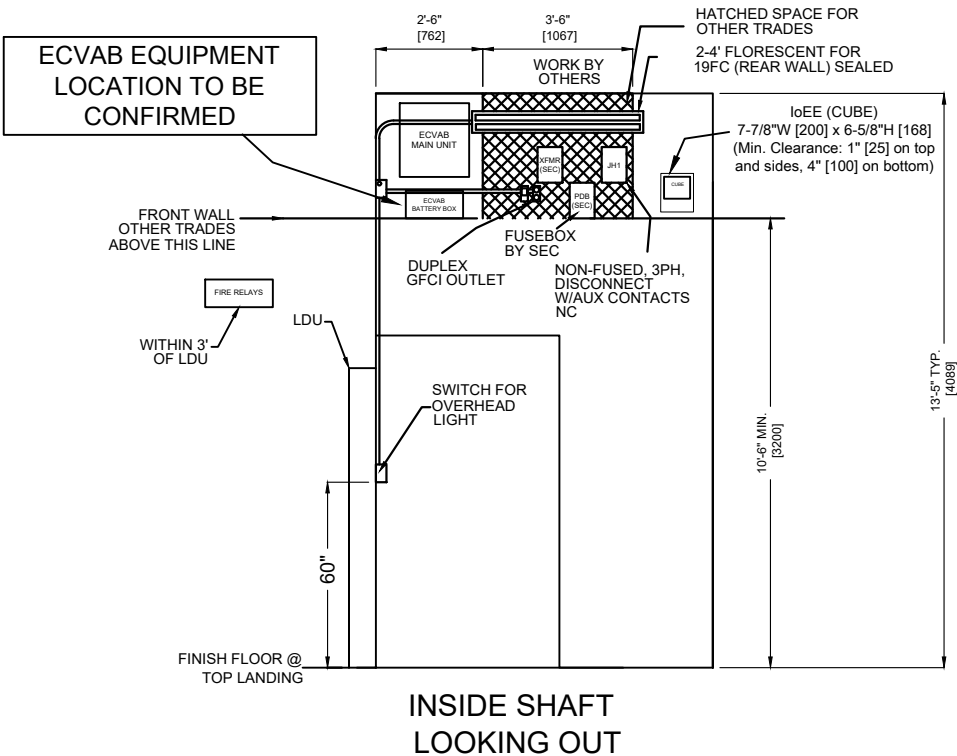
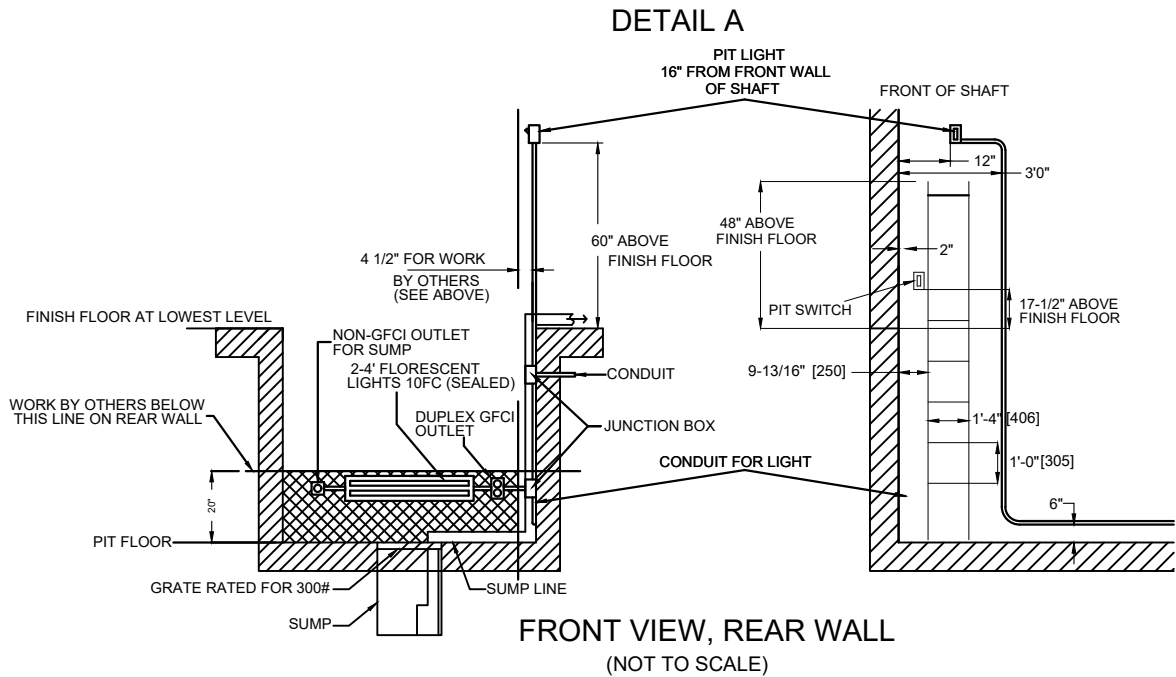


NOTES:

LIGHTING
1- PIT AREA
A PERMANENT LIGHTING FIXTURE SHALL BE PROVIDED FOR THE PIT AREA, AND SHALL CONFORM TO A17.1/2.2.5:
THE LIGHTING SHALL PROVIDE AN ILLUMINATION OF NOT LESS THAN 100 LX (10 FC) AT THE PIT FLOOR AND AT A PIT PLATFORM, WHEN PROVIDED. THE LIGHT BULB(S) SHALL BE EXTERNALLY GUARDED TO PREVENT CONTACT AND ACCIDENTAL BREAKAGE. THE LIGHT SWITCH SHALL BE SO LOCATED AS TO BE ACCESSIBLE FROM THE PIT ACCESS DOOR.

2A- HEADROOM AREA
2B- LDU AREA
2C- CLOSET (WHERE APPLICABLE), NEAR THE LDU
PERMANENTLY INSTALLED ELECTRIC LIGHTING SHALL BE PROVIDED IN ALL MACHINERY SPACES, MACHINE ROOMS, CONTROL SPACES, AND CONTROL ROOMS AND SHALL CONFORM TO A17.1/2.7.9.1:
THE ILLUMINATION SHALL BE NOT LESS THAN 200 LX (19 FC) AT THE FLOOR LEVEL, AT THE STANDING SURFACE OF A WORKING PLATFORM, OR AT THE LEVEL OF THE STANDING SURFACE WHEN THE CAR IS IN THE BLOCKED POSITION. THE LIGHT BULB(S) SHALL BE EXTERNALLY GUARDED AGAINST BREAKAGE. THE LIGHT SWITCH SHALL BE LOCATED AT THE POINT OF ENTRY (I) FOR MACHINERY SPACES AND CONTROL SPACES, AND (II) FOR CONTROL ROOMS, INSIDE THE ROOM AND WHERE PRACTICABLE ON THE LOCK-JAMB SIDE OF THE ACCESS DOOR.

- ALL COMPONENTS AND ASSEMBLIES PROVIDED BY OTHERS SHALL HAVE ALL EDGES AND CORNERS ROUNDED AND DEBURRED.
- INSTALL GFCI, PIT LIGHT (10FC), AND NON-GFCI BEFORE ELEVATOR WORK STARTS.
- ALL LOCATIONS ARE REVERSED FOR OPPOSITE DOOR HAND CONFIGURATIONS.
- KEEP PIPES ON LONE CAR RAIL SIDE FOR CENTER OPEN DOORS.
- DOOR OPENING BARRIERS ARE PROVIDED AND INSTALLED BY OTHERS. ADDITIONAL HOISTWAY SCREENING OPTIONS (E.G. ENCLOSED LOBBY W/ LOCKABLE DOOR) TO BE REVIEWED WITH LOCAL SCHINDLER CONTACT.



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| 001 | FINALS | 05/31/2022 | DJI | |
| SUB | REVISION DESCRIPTION | DATE | APPVD. | |
| <div><div></div><div>Schindler Elevator Corp. 20 Whippany Road Morristown, NJ 07960 Tel. +1 973.397.6500 www.us.schindler.com</div></div> | | | | |
| BUILDING: | STEAMBOAT PLAZA BUILDING | | | |
| LOCATION: | 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 | | | |
| OWNER: | GENSLER | | | |
| ARCHITECT: | GENSLER | | | |
| GEN. CONTRACTOR: | SAUNDERS CONSTRUCTION, INC | | | |
| ENGINEER: | DANIEL IANNELLI | | | |
| DATE: | 05/31/2022 | | | |
| GO # | SUB. | CAR | SHEET | |
| GRP7784 | 001 | 02 | 11 OF 11 | |