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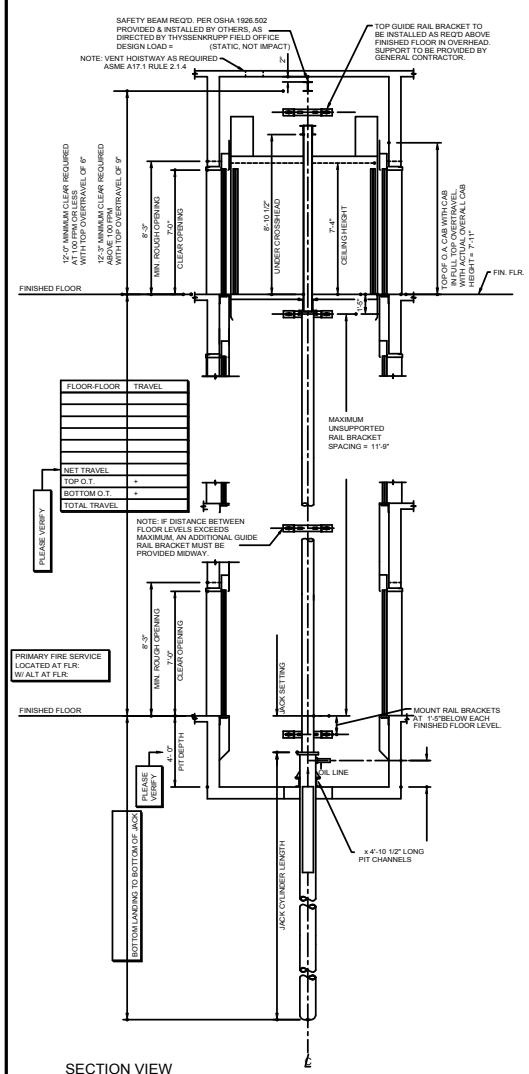
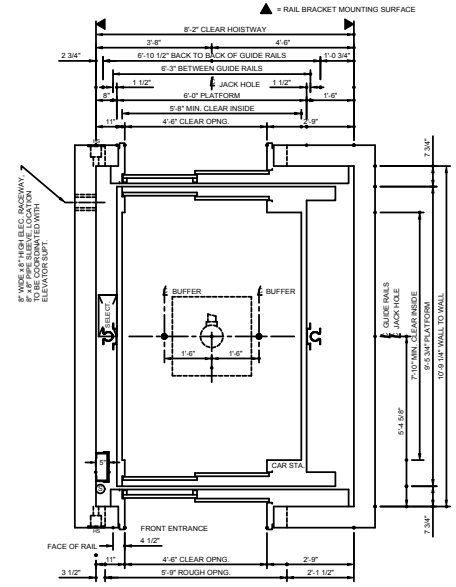
CONTINENTAL 45 - PLAN II Conventional LH



SECTION VIEW

NOT TO SCALE

PLEASE VERIFY WALL THICKNESS AND TYPE AT EACH LANDING		
FLR	THKNESS	WALL TYPE



HOISTWAY PLAN

NOTE:
CONSULT ELEVATOR SUPT.
FOR PIT SUMP LOCATION
ON FRONT AND REAR
ENTRANCE CARS.

NOTE A: OIL PIPE LINES AND FITTINGS SHALL BE PROPERLY SUPPORTED TO RELIEVE STRAIN.

NOTE B: ALL REACTIONS INCLUDE ALLOWANCE FOR IMPACT.

NOTE C: THYSSENKRUPP ELEVATOR TO BE NOTIFIED OF ANY CHANGE TO ELEVATOR HOISTWAY OR MACHINE ROOM DESIGN.

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

OILDRAULIC ELEVATOR CONTRACT DATA

TYPE: CONTINENTAL 45 - PLAN II | ELEV #
SPEED: FPM UP 150 FPM DOWN MAX. | CAPACITY: 4500
OPERATION:
CAR ENCLOSURE:
DOOR TYPE: TWO SPEED - LEFT HAND, RIGHT HAND
PLATFORM THK: 4 7/8 | FINISHED FLOOR:
TELEPHONE: | PIT LADDER:
POWER UNIT: HP | POWER SUPPLY:
STARTING: | GLOPU: | GLOJ:
JACK MODEL: | OVERTRAVEL: TOP BOTTOM
PLUNGER O.D.: | WALL THK:
CYLINDER O.D.: | WALL THK: | NET AREA
BOTTOM CAR RUNBY: 6" | CAR BUFFER STROKE: 2 1/2"
BETWEEN PIT FLR. & CAR BOLSTER ON COMPRESSED BUFFER: 2'-2 5/8"
BUFFER REACTION (TYP. AT EACH BUFFER) =
EST. WORKING PRESS.

CAR FRAME			
	S = 2.92 FORMED	S = 5.429 FORMED	S = 1.32 FORMED
	I = 8.76 CROSSHEAD	I = 21.71 BOLSTER	I = 1.91 STILE
	A = 1.68 7GA x6"x2"	A = 2.264 7GA x8"x2 3/4"	I = 1.019 I = 10GA

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

1. A PLUMB, PROPERLY VENTILATED HOISTWAY (ACCORDING TO CODE AND SIZES SHOWN).
2. ADEQUATE SUPPORT FOR JACK, GUIDE RAIL BRACKETS, AND BUFFERS (FOR REACTIONS SHOWN).
3. HOISTWAY BARRICADES AND ALL CUTTING AND PATCHING TO INSTALL HOISTWAY ENTRANCES, SILLS, HALL FIXTURES, OIL AND ELECTRIC LINES.
4. PIT LIGHTS AND SWITCH, CONVENIENCE OUTLETS WITH GFCI PROTECTION PER NEC, PIT LADDER PER CAR (ACCORDING TO CODE). NOTE: MUST BE CLEAR OF ALL ELEVATOR EQUIPMENT.
5. DEDICATED 120 VOLT,15 AMP. SERVICE, ALONG WITH TELEPHONE CIRCUIT WHEN REQUIRED, TO TERMINALS OF EACH REQUIRED CONTROLLER (AS LOCATED ON PLAN VIEW) FOR THE FOLLOWING:
   - CAR LIGHT AND ALARM CIRCUIT WITH GFCI PROTECTION PER NEC:
   - GROUP CONTROL WHEN REQUIRED
   NOTE: IF STANDBY POWER IS SUPPLIED TO ELEVATOR, CAR LIGHT AND ALARM CIRCUIT AND GROUP CONTROL SERVICE MUST BE STANDBY POWER BACKED.
6. BRANCH CIRCUIT CONDUCTOR SIZING, MATERIALS, AND INSULATION (INCLUDING BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE) TO COMPLY WITH ALL LOCAL ELECTRICAL CODES.
   ____ AMPS STARTING CURRENT WITH A MAX. ALLOWABLE VOLTAGE DROP OF 10%.
   ____ AMPS FULL LOAD CURRENT WITH A MAX. ALLOWABLE VOLTAGE DROP OF 5%.
   ____ AMPS RATED CURRENT WITH A MAX. ALLOWABLE VOLTAGE DROP OF 5%.

POWER REQUIREMENTS STATED IN NOTE 6 VERIFIED BY:

NOTE: ALSO, A FOURTH WIRE OF SAME SIZE AS THREE PHASE WIRES IS REQUIRED FOR GROUNDING PURPOSES TO MINIMIZE ELECTRICAL NOISE INTERFERENCE. THE GROUNDING WIRE MUST BE CONNECTED TO THE BUILDINGS ELECTRICAL SYSTEM GROUND.
IF BATTERY OPER. LOWERING IS PROVIDED, A MECHANICAL AUX. CONTACT SHALL BE INSTALLED ON THE DISC SW. FOR EA. CAR. THE AUX. CONTACT SHALL BE CONFIGURED AS SPST AT 1A 110VAC (MIN). THE AUX. CONTACT SHALL BE OPEN WHEN THE DISC SW. IS IN THE OPEN POSITION. IF A SHUNT TRIP CIRCUIT BREAKER IS PROVIDED, AN AUX. CONTACT SHALL BE INSTALLED ON THE CIRCUIT BREAKER.
GEN. CONTRACTOR MUST FORWARD POWER REQUIREMENTS TO ELEC. CONTRACTOR.

7. AN ENCLOSED MACHINE AREA (ACCORDING TO CODE), WITH ADEQUATE LIGHT, HEAT, AND VENTILATION (MIN. 50°F., MAX. 90°F. WITH NON-CONDENSING HUMIDITY OF 10-90%), AND SEALED CONCRETE FLOOR SLAB SURFACE.
   NOTE: MUST PROVIDE ADEQUATE DOOR SIZE TO ALLOW INSTALLATION OF EQUIPMENT, OR LEAVE WALL OUT UNTIL EQUIPMENT IS IN PLACE.
8. ENTRANCE WALL WITH LINTELS MUST BE PROVIDED AFTER ENTRANCE FRAMES ARE SET OR LEAVE A ROUGH OPENING 15" WIDER AND 15" HIGHER THAN THE FRAME OPENING. SEE INSTALLATION PROCEDURES FOR FRAME-TO-WALL INTERFACE DETAILS TO ENSURE CONFORMANCE WITH THE LABELED ENTRANCE INTERFACE CONSTRUCTION.
9. POCKETS IN CORRIDOR WALL (PER FIXTURE DRAWINGS) FOR HALL FIXTURES.
   NOTE: MUST BE LOCATED AS DIRECTED BY ELEVATOR CONTRACTOR
10. SMOKE SENSORS (AS REQUIRED).
11. CONDUIT AND WIRING FROM HOISTWAY TO ELEVATOR MONITORING PANELS (FOR SECURITY, LIFE, SAFETY, OR FIRE REQUIREMENTS).
12. PIPE SLEEVES, TRENCHING, AND BACK FILLING FOR OIL AND/OR CONDUIT LINES AS SHOWN OR LOCATED BY ELEVATOR CONTRACTOR.
13. A SQUARE HOLE IN PIT FLOOR FOR SETTING OF JACK AND FILL WITH CONCRETE AFTER JACK IS SET.

CAR STATION:

CAR RIDING LANTERN:

RAIL FORCES	F1	F2	
OMEGA RAILS	576 LBS.	720 LBS.	

DATE	SYM.	REVISION	BY	CHKD.

DESIGNED PER ASME A17.1 | DO NOT SCALE THIS DRAWING
FOR: | ELEV #
ADDRESS:
CITY:
ARCHITECT:
GENERAL CONTRACTOR:
ELEVATOR CONTRACTOR:

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ThyssenKrupp Elevator

DRAWN	DATE	CHKD.	BRANCH	JOB NUMBER	DRAWING NO.	REV.	SHEET NO
				C45LHCONV2461			1 OF 1