3002.4.2a Hoistway doors. The hoistway landing openings shall be provided with power-operated

MAXIMUM

UNSUPPORTED

RAIL BRACKET

SPACING = 16'-2"

MOUNT RAIL BRACKETS

AT 8" BELOW EACH FINISHED FLOOR LEVEL.

SAFETY BEAM REQ'D. PER OSHA 1926.502

PROVIDED & INSTALLED BY OTHERS, AS

DESIGN LOAD =

ASME A17.1 RULE 2.1.4-

FLOOR-FLOOR TRAVEL

NET TRAVEL

TOP O.T.

FINISHED FLOOR

воттом о.т.

TOTAL TRAVEL

FINISHED FLOOR

NOTE: VENT HOISTWAY AS REQUIRED

DIRECTED BY THYSSENKRUPP FIELD OFFICE

NOTE: IF DISTANCE BETWEEN FLOOR LEVELS EXCEEDS

RAIL BRACKET MUST BE

PROVIDED MIDWAY.

MAXIMUM, AN ADDITIONAL GUIDE

(STATIC, NOT IMPACT)-

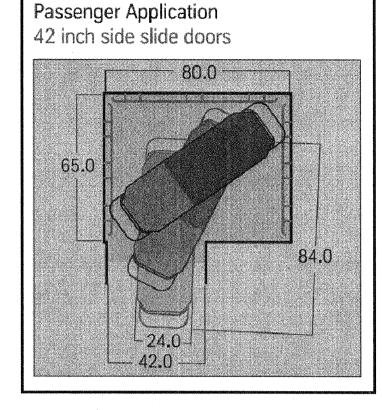
3002.4.3a Elevator entrance openings and car size. The elevator car shall be of such a size and arrangement to accommodate a 24-inch by 84-inch ambulance gurney or stretcher with not less than 5-inch (127 mm) radius comers, in the horizontal, open position, shall be provided with a minimum clear distance between walls or between walls and door excluding return panels not less than 80 inches by 54 inches (2032 mm by 1372 mm), and a minimum distance from wall to return panel not less than 51 inches (1295 mm) with a 42-inch (1067 mm) side slide door.

TOP GUIDE RAIL BRACKET TO

GENERAL CONTRACTOR.

BE INSTALLED AS REQ'D. ABOVE

FINISHED FLOOR IN OVERHEAD SUPPORT TO BE PROVIDED BY



PLEASE VERIFY WALL THICKNESS

3,500 lb. Capacity

VERIFY HOISTWAY DIMENSIONS WITH MANUFACTURE PRIOR TO POURING ELEVATOR PIT

ELEVATOR 2 TO BE ON BATTERY BACKUP

PROVIDE VANDAL RESISTANT FIXTURES FOR BOTH THE CAR CONTROLS AND HALL STATION ON ALL FLOORS

~~~~~~~~<del>\</del> = RAIL BRACKET MOUNTING SURFACE 8'-8" CLEAR HOISTWAY - SUMP PIT BY G.C. C JACK (TYP.) CAR STATION

**SECTION VIEW** 

NOT TO SCALE

## HOISTWAY PLAN

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.

**GENERAL CONTRACTOR:** 

**ELEVATOR CONTRACTOR:** 

to the interest of ThyssenKrupp Elevator.

OILDRAULIC ELEVATOR CONTRACT DATA TYPE: AMEE 35 HLS AND TYPE AT EACH LANDING SPEED: FPM UP 150 FPM DOWN MAX. CAPACITY: 3500 THKNESS WALL TYPE **OPERATION:** CAR ENCLOSURE: DOOR TYPE: ONE SPEED - LEFT HAND PLATFORM THK: 3 3/8 FINISHED FLOOR: TELEPHONE: PIT LADDER: **POWER UNIT** POWER SUPPLY: STARTING: GLOPU: GLOJ: TOP **BOTTOM** JACK MODEL: **OVERTRAVEL:** WALL THK: PLUNGER O.D.: 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'-4 1/8" BUFFER REACTION (TYP. AT EACH BUFFER) = EST. WORKING PRESS. FRAME | I = 9.82 CROSSHEAD I = 21.71 BOLSTER I = 2.17 STILE A = 1.85 7GAx6"x2 1/2" A = 2.264 7GAx8"x2 3/4" r = 1.009 t = 10GA THE FOLLOWING CONDITIONS MUST BE MET BEFORE INSTALLATION IS COMPLETED, AND ARE NOT INCLUDED IN THE ELEVATOR CONTRACT: . A PLUMB, PROPERLY VENTILATED HOISTWAY (ACCORDING TO CODE AND SIZES SHOWN). 2. ADEQUATE SUPPORT FOR JACK, GUIDE RAIL BRACKETS, AND BUFFERS (FOR **REACTIONS SHOWN).** HOISTWAY BARRICADES AND ALL CUTTING AND PATCHING TO INSTALL HOISTWAY ENTRANCES, SILLS, HALL FIXTURES, OIL AND ELECTRIC LINES. 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. 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. 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. 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. 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. . POCKETS IN CORRIDOR WALL (PER FIXTURE DRAWINGS) FOR HALL FIXTURES. NOTE: MUST BE LOCATED AS DIRECTED BY ELEVATOR CONTRACTOR SMOKE SENSORS (AS REQUIRED). . CONDUIT AND WIRING FROM HOISTWAY TO ELEVATOR MONITORING PANELS (FOR SECURITY, LIFE, SAFETY, OR FIRE REQUIREMENTS). 12. PIPE SLEEVES, TRENCHING, AND BACK FILLING FOR OIL AND/OR CONDUIT LINES AS SHOWN OR LOCATED BY ELEVATOR CONTRACTOR CAR STATION: CAR RIDING LANTERN: RAIL FORCES F1 F2 529 LBS. 371 LBS. OMEGA RAILS **REVISION** BY CHKD DATE SYM. **DESIGNED PER ASME A17.1** DO NOT SCALE THIS DRAWING ELEV# ADDRESS:

8/28/2015 **REVISED DATE** 

SIDENCE 3, MAINE 04103

SHEET A9.0a

ThyssenKrupp Elevator CHKD. BRANCH JOB NUMBER DRAWING NO. REV. SHEET NO 1 OF 1

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