

HYDRAULIC ELEVATOR CONTRACT DATA

TYPE: CAPACITY 2100 HLS	ELEV # 1
SPEED: 110 FPM UP 135 FPM DOWN MAX.	CAPACITY: 2100
OPERATION: ICON	
CAR ENCLOSURE: LAMINATED PLASTIC	
DOOR TYPE: ONE SPEED - LEFT HAND	
PLATFORM THK: 3/32	FINISHED FLOOR: BY OTHERS
TELEPHONE: BY ELEVATOR COMPANY	PIT LADDER: BY OTHERS
POWER UNIT: EP-95 20 HP	POWER SUPPLY: 480 V 3 PH 60 CYCLES
STARTING: SOLID STATE	GLOPI: 4912
JACK MODEL: 2.5-T TWIN/TELE	OVERTRAVEL: 9" TOP 8 1/2" BOTTOM
PLUNGER O.D.: 5.0"	TOP SECT.: 2.5" MDL. SECT.: 3.75" WALL THK: 375"
CYLINDER O.D.: 5.0"	NET AREA: 15.9043 SQ IN
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) = 6024 LBS.	
EST. WORKING PRESS. 340 PSI	
CAR FRAME	S = 3.27 FORMED I = 9.82 CROSSHEAD A = 1.85 7GAYE 1/2"
	S = 4.41 FORMED I = 17.84 BOLSTER A = 2.03 7GAYE 3/4"
	S = 1.38 FORMED I = 2.17 STILL A = 1.009 I = 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).
- 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.
 - 85 AMPS STARTING CURRENT WITH A MAX. ALLOWABLE VOLTAGE DROP OF 10%.
 - 42 AMPS FULL LOAD CURRENT WITH A MAX. ALLOWABLE VOLTAGE DROP OF 5%.
 - 28 AMPS RATED CURRENT WITH A MAX. ALLOWABLE VOLTAGE DROP OF 5%.
 BRANCH CIRCUIT DISCONNECT SWITCH SHALL BE SIZED FOR:
 - 70 AMP NONTIME DELAY FUSE OR
 - 65 AMP THERMAL CIRCUIT BREAKER OR
 - 50 AMP DUAL ELEMENT TIME DELAY FUSE.
 BASED ON 480V, 20HP

NOTE: ALSO, A FOURTH WIRE OF SAME SIZE AS THREE PHASE WIRES IS REQUIRED FOR GROUNDING PURPOSES TO MINIMIZE ELECTRICAL NOISE INTERFERENCE.

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 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).
- PIPE SLEEVES, TRENCHING, AND BACK FILLING FOR OIL AND/OR CONDUIT LINES AS SHOWN OR LOCATED BY ELEVATOR CONTRACTOR.

CAR STATION: TRADITIONAL FIXTURES, PUSHBUTTONS MARKED B,1,2
 DOOR OPEN AND CLOSE BUTTONS, EMERGENCY STOP SWITCH, ALARM BUTTON,
 FANLIGHT SWITCH, EMERGENCY LIGHT, TELEPHONE, BOX, PI,
 FIRE SVC SW, INDEP SERV.

CAR RIDING LANTERN: RETURN			
RAIL FORCES	F1	F2	SEISMIC RAIL FORCES
	245 LBS.	164 LBS.	F1 = F2 =

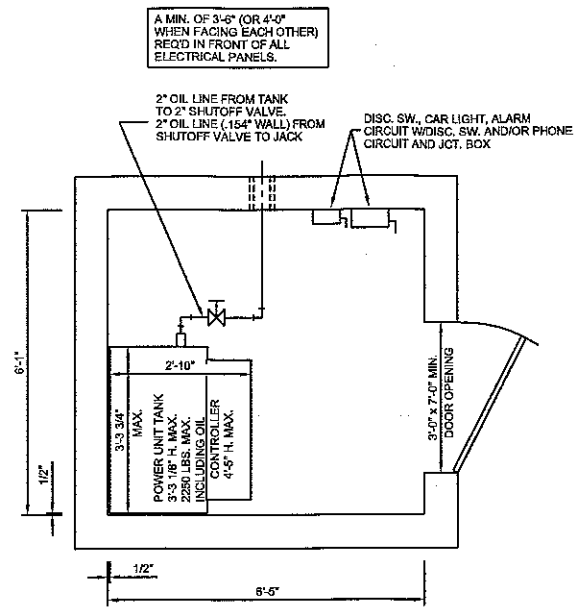
08/03/05	(A)	FINAL PRINTS- HOISTWAY WIDTH, POSITION INDICATOR, PIT LADDER	BJ
DATE	SYM.	REVISION	BY
DESIGNED PER ASME A17.1		DO NOT SCALE THIS DRAWING	
FOR: RC COMPANY		ELEV # 1	
ADDRESS: 255 SOUTH STREET			
CITY: POTTSTOWN, PA 19854			
ARCHITECT:			
GENERAL CONTRACTOR:			
ELEVATOR CONTRACTOR: METRO ELEVATOR CO. WEST CHESTER, PA			

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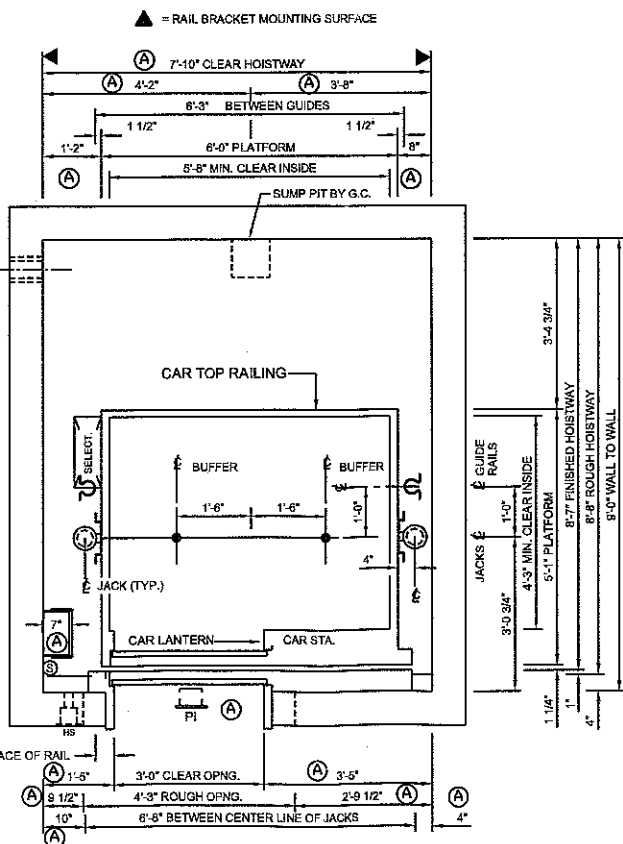
DRAWN	DATE	BRANCH	JOB NUMBER	DRAWING NO.	REV.	SHEET NO.
BJ	04/28/05	399	E-U5926	OU8826	(A)	1 OF 1

WALL THICKNESS AND TYPE AT EACH LANDING		
FLR	THICKNESS	WALL TYPE
2	8"	MASONRY
1	6"	MASONRY
B	6"	MASONRY

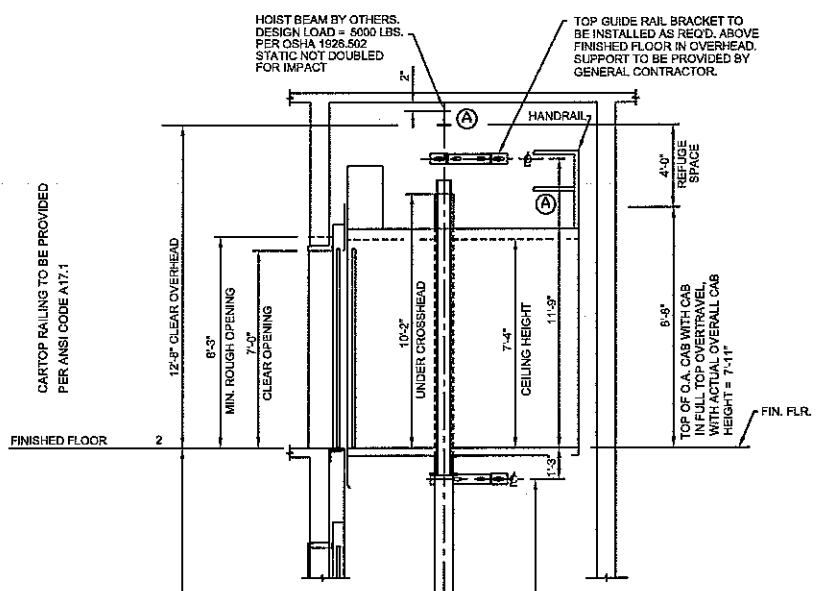


MACHINE ROOM PLAN
 LOCATION: ADJACENT AT LEVEL B

* THE STARTING CURRENT IS ADJUSTABLE FROM 2 TO 4.5 TIMES THE MOTOR RATED A.C. AMPS. THE STARTING CURRENT OF 3 TIMES THE MOTOR RATED A.C. AMPS IS A NOMINAL STARTING CURRENT VALUE. (SEE NOTE 6)

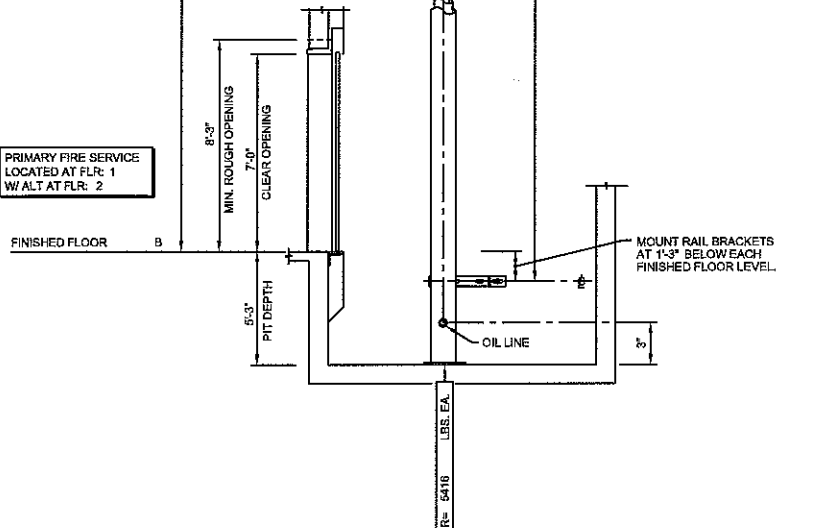


HOISTWAY PLAN



FLOOR-FLOOR	TRAVEL
1-2	12'-6"
B-1	12'-6"
NET TRAVEL	25'-2"
TOP O.T.	+ 9"
BOTTOM O.T.	+ 8 1/2"
TOTAL TRAVEL	28'-7 1/2"

NOTE: IF DISTANCE BETWEEN FLOOR LEVELS EXCEEDS MAXIMUM, AN ADDITIONAL GUIDE RAIL BRACKET MUST BE PROVIDED MIDWAY.



SECTION VIEW
 NOT TO SCALE

HALL-STATION WITH FIRE SERVICE SWITCH AT FLOOR 1

HOISTWAY ACCESS IN THE HALL STATION AT FLOORS B & 2.

ELEVATOR MEETS ANSI A17.1 2000 CODE.

- NOTE A: OIL PIPE LINES AND FITTINGS SHALL BE PROPERLY SUPPORTED TO RELIEVE STRAIN.
- NOTE B: ALL REACTIONS INCLUDE ALLOWANCE FOR IMPACT.
- NOTE C: VERTICAL EXPRESS 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.

FINAL