



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.

PLEASE VERIFY WALL THICKNESS AND TYPE AT EACH LOCATION		OILRAILIC ELEVATOR CONTRACT DATA				ELEV #	
FLR	THICKNESS	WALL TYPE	TYPE: MARQUESS 25 - PLAN B	SPEED: FPM UP / 150 FPM DOWN MAX	CAPACITY: 2000		
			COAR ENCLOSED	OPERATION: ONE SPEED - CENTER OPENING			
			PLATFORM THK: 3/32	FINISHED FLOOR:			
			TELEPHONE:	PIT LADDER:			
			POWER UNIT:	HP	POWER SUPPLY:		
			STARTING:	OLC/PS	TOP		
			JACK MODEL:	OVERTRAVEL:	BOTTOM		
			PLUNGER O.D.:		WALL THK:		
			CYLINDER O.D.:	WALL THK:	NET AREA:		
			BOTTOM CAR RUNWAY: 6"	CAR BUFFER STROKE: 2 1/2"			
			BETWEEN PIT FLOOR & CAR BOLSTER ON COMPRESSED BUFFER: 2 - 4 1/2"				
			BUFFER REACTION TYP AT EACH BUFFER #:				
EST. WORKING PRESS:							
S = 2.19		FORMED		S = 5.429		FORMED	
I = 5.55		CROSS AMP		I = 11.71		BOLSTER	
A = 1.21		100MPS 5/4"		A = 2.264		70MPS 2 3/4"	
						S = 1.32	
						FORMED	
						I = 11.19	
						RILE	
						A = 1.519	
						100MPS	
THE FOLLOWING CONDITIONS MUST BE MET BEFORE INSTALLATION IS COMPLETED, AND ARE NOT INCLUDED IN THE ELEVATOR CONTRACT: - A PLUMB, PROPERLY VENTILATED HOSTWAY (ACCORDING TO CODE AND SIZES SHOWN). - ADEQUATE SUPPORT FOR JACK, GUIDE RAIL BRACKETS, AND BUFFERS (FOR REACTIONS SHOWN). - HOSTWAY BARRICADES AND ALL CUTTING AND PATCHING TO INSTALL HOSTWAY ENTRANCES, RAILS, WALL FIXTURES, CAR AND ELEVATOR LINES. - PIT LIGHTS AND SWITCH, CONNECTIONS OUTLETS WITH GFCO 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 GFCO PROTECTION PER NEC. - GROUP CONTROL, WHEN REQUIRED. - IF STANDBY POWER IS SUPPLIED TO ELEVATOR, CAR LIGHT AND ALARM CIRCUIT, GROUP CONTROL, SERVICE MUST BE STANDBY POWER BACKED. - BRANCH CIRCUIT CONDUCTOR SIZING, MATERIALS, AND INSULATION (INCLUDING BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICES) 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 BUILDING ELECTRICAL SYSTEM GROUND. IF BATTERY OPER. LOWERING IS PROVIDED, A MECHANICAL AUX. CONTACT SHALL BE INSTALLED ON THE DISC WIRE FOR EA CAR. THE AUX. CONTACT SHALL BE CONFIGURED AS SPST AT 1/4 110VAC MIN. THE AUX. CONTACT SHALL BE OPEN WHEN THE DISC WIRE 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 ENGLOSED MACHINE AREA (ACCORDING TO CODE), WITH ADEQUATE LIGHT, HEAT, AND VENTILATION MIN. 50°F. MAX. 90°F. WITH NON-CONDENSING HUMIDITY OF (2-10.50%), AND SEALED CONCRETE FLOOR SLAB SURFACE. NOTE: MUST PROVIDE ADEQUATE DOOR SIZE TO ALLOW INSTALLATION OF EQUIPMENT, OR LEAVE WALL TO BE OPEN FOR EQUIPMENT. 8. ENTRANCE WALL WITH LINTELS MUST BE PROVIDED AFTER ENTRANCE FRAMES ARE SET OR LEAVE A LARGE OPENING 1" WIDER AND 1" 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 FUTURE DRAWINGS) FOR HALL FIXTURES. NOTE: MUST BE LOCATED AS DIRECTED BY ELEVATOR CONTRACTOR. 10. SMOKE SENSORS (AS REQUIRED). 11. CONDUIT AND WIRING FROM HOSTWAY TO ELEVATOR MONITORING PANELS (FOR SECURITY, LIFE, SAFETY, OR FIRE REQUIREMENTS). 12. PIPE, SLEEVES, TRENCHING, AND BACK FILLING FOR OIL AND CONCRETE CONDUITS AS SHOWN OR LOCATED BY ELEVATOR CONTRACTOR. 13. SQUARE HOLE IN PIT FLOOR FOR SETTING OF JACK AND FILL WITH CONCRETE AFTER JACK SET.							
CAR STATION:							
CAR RIDING LANTERN:							
RAIL FORCES F1 F2 OMEGA RAILS							
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 ME50C00W21							
DRAWN	DATE	CHKD	BRANCH	JOB NUMBER	DRAWING NO.	REV	SHEET NO.
							1 OF 1