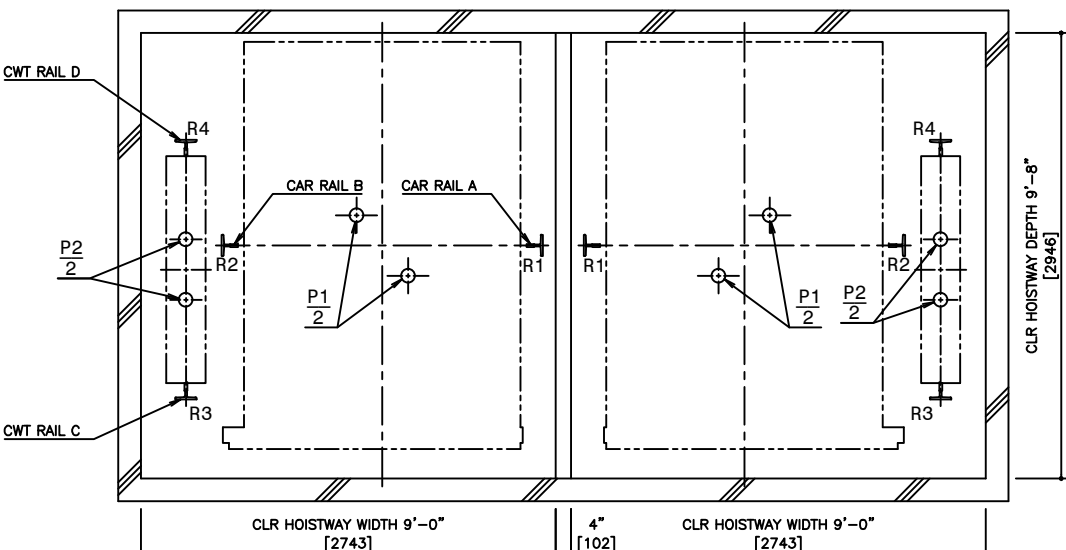
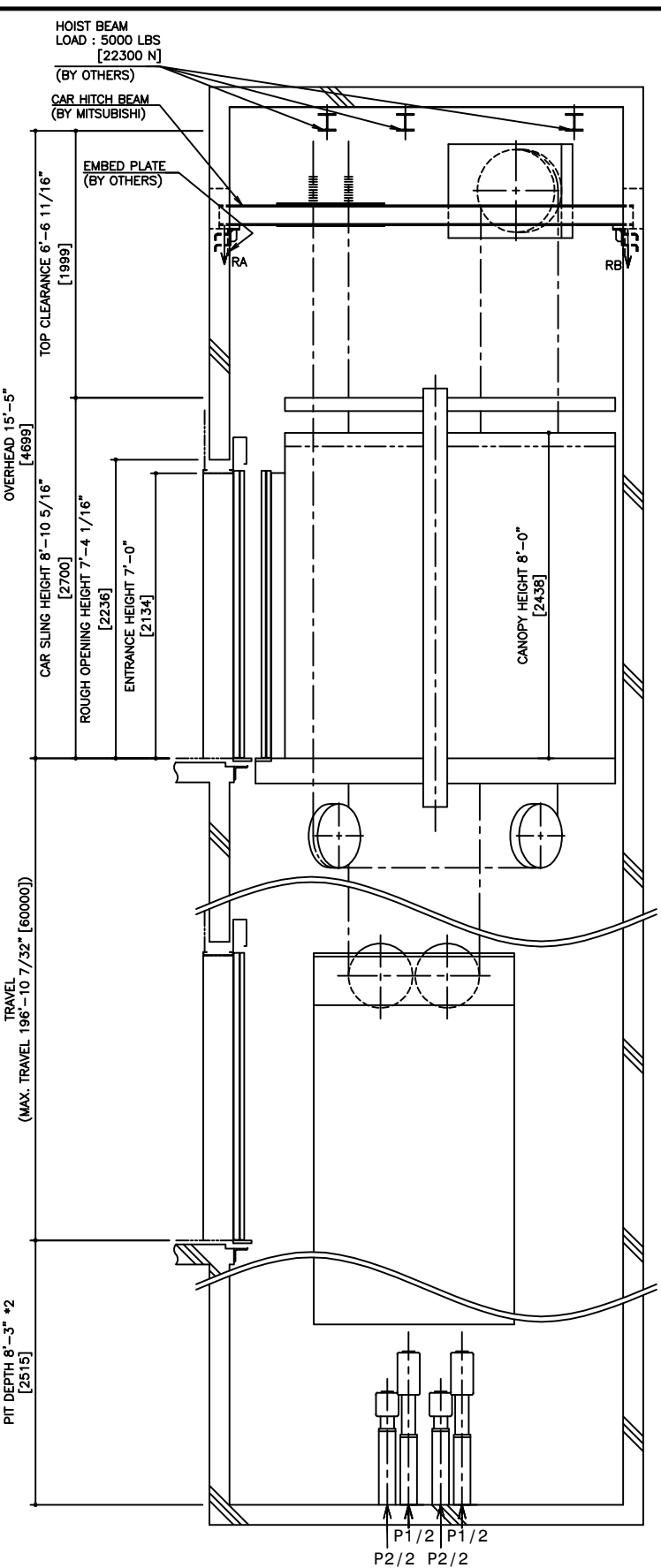


HOISTWAY PLAN WITH CWT SAFETY

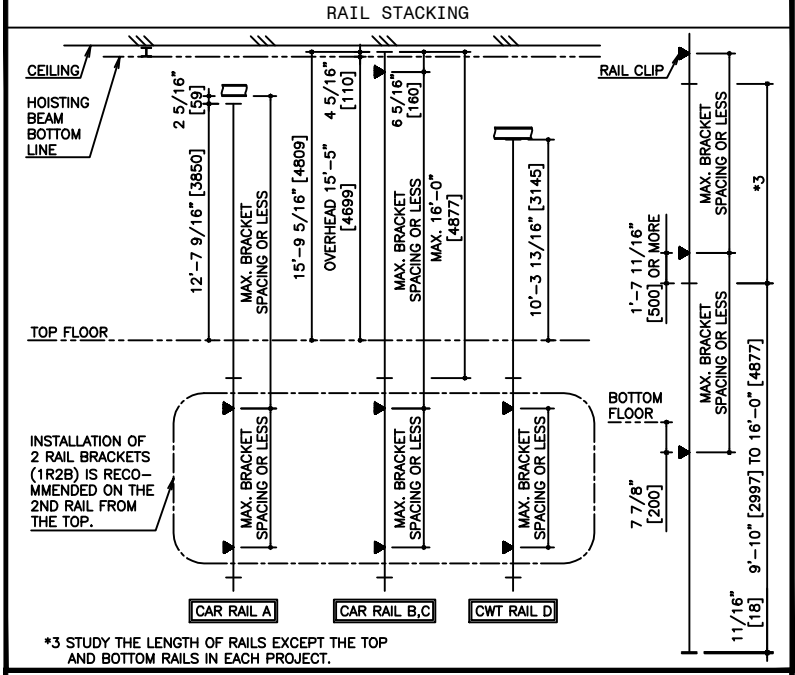


PIT PLAN WITH CWT SAFETY



HOISTWAY SECTION WITH CWT SAFETY

SPECIFICATIONS	
SERIES	DIAMOND TRAC
LOAD	4500 LBS [2000 kg]
SPEED	350 FPM [105 m/min]
REGULATION / CODE	ASME A17.1S - 2005
TRAVEL	MAX. TRAVEL : 196'-10 7/32" [60000]
DOOR TYPE	2S
GUIDE RAIL	CAR T127-1/B, T127-2/B, T140-1/B
CWT SAFETY	CWT T127-1/B, T127-2/B, T140-1/B
	APPLIED



RAIL BRACKET SPACING

SEISMIC ZONE	ZONE 0 TO 2				ZONE 3 & 4							
	T127-1/B	T127-2/B	T140-1/B	T127-1/B	T127-2/B	T140-1/B	T127-1/B	T127-2/B	T140-1/B			
RAIL SIZE	CAR	CWT	CAR	CWT	CAR	CWT	CAR	CWT	CAR	CWT		
RAIL BRACKET SPACING	10'-4" [3150]	11'-3 13/16" [3490]	12'-11 1/2" [3990]	11'-9 3/4" [3600]	16'-2 7/8" [4950]	14'-11 1/8" [4450]	8'-0 7/16" [2250]	7'-4 9/16" [2450]	10'-2 1/8" [3100]	10'-9 15/16" [3300]	13'-5 7/16" [4100]	13'-9 3/8" [4200]

RAIL REACTION LOAD

SEISMIC ZONE	CAR RAIL A, B		CWT RAIL C, D	
	FIX	FIY	FIX	FIY
	ZONE 0 TO 2	1800 LBS [8100 N]	900 LBS [4100 N]	2000 LBS [8900 N]
ZONE 3 & 4	3600 LBS [16100 N]	1800 LBS [8100 N]	4000 LBS [17800 N]	2000 LBS [8900 N]

CAR HITCH BEAM LOAD

	STATIC LOAD		DYNAMIC LOAD	
	RA	RB	RA	RB
	5400 LBS [25000 N]	1400 LBS [7000 N]	10700 LBS [48000 N]	2800 LBS [13000 N]

PIT REACTION LOAD

SEISMIC ZONE (RAIL SIZE)	RAIL REACTION LOAD				BUFFER REACTION LOAD	
	R1	R2	R3	R4	P1	P2
T127-1/B	14800 LBS [65600 N]	18300 LBS [81100 N]	11300 LBS [50300 N]	14500 LBS [64200 N]	47900 LBS [213000 N]	38900 LBS [173000 N]
T127-2/B	15500 LBS [68900 N]	19000 LBS [84300 N]	12000 LBS [53400 N]	15200 LBS [67500 N]		
T140-1/B	16300 LBS [72100 N]	19700 LBS [87500 N]	12700 LBS [56500 N]	15900 LBS [70700 N]		

POWER FEEDER DATA 1CAR

MOTOR	STANDARD VOLTAGE 208V				STANDARD VOLTAGE 480V				POWER SUPPLY CAPACITY [kVA]	HEAT EMISSION			
	[HP]	[kW]	FLU [A]	FLAcc [A]	CURRENT [A]	BREAKER IN CONTROL PANEL [A]	CURRENT [A]	BREAKER IN CONTROL PANEL [A]		HOISTWAY (EXCEPT CAR LIGHTING) [BTU/Hr]	CONTROL PANEL ROOM [W]	[BTU/Hr]	[W]
29.5	22	100	177	125	43	77	60	22	4610	1350	9220	2700	

POWER CURRENT CORRESPONDING TO LOCAL SUPPLY VOLTAGE (FLU or FLAcc) [A] = EACH CURRENT (FLU or FLAcc) [A] x STANDARD VOLTAGE (E1 or E2) [V] / LOCAL SUPPLY VOLTAGE (E) [V]

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NOTE : WHEN THE CANOPY HEIGHT IS CHANGED FROM THE DIMENSION ON THIS DRAWING, OVERHEAD AND THE BRACKET SPAN FOR UPPER RAILS SHALL BE CHANGED AS WELL.

*1,*2 : AS SHOWN IN THE FIGURE ABOVE, AN INSPECTION HATCH FOR USE IN THE MAINTENANCE OF THE CAR DOOR OPERATOR SHALL BE PROVIDED ABOVE THE ENTRANCE ON THE BOTTOM FLOOR, IF THE LANDING IS THE ONLY ONE IN THAT SIDE. HOWEVER, THIS INSPECTION HATCH WILL BE UNNECESSARY, IF THE PIT DEPTH CAN BE DEEPENED BY 0'-6 1/2" [165].

NO.	DATE	BY	REVISIONS
-	03/16/10	-	CREATED DRAWING

PROJECT:	-
ELEV. NO.:	-
DWG. TITLE:	-
ADMIN. NO.:	-
DWG. NO.:	EZ-B-0088
REV.:	



SCALE : 1/50

NOT TO BE USED FOR CONSTRUCTION