

HOISTWAY SECTION
WITHOUT CWT SAFETY

- NOTES:
1. 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.
 2. "TRAVEL ABOVE GROUND" + "OVERHEAD" MUST BE LESS THAN 295'-0" (90 METERS).
 3. REGENERATIVE POWER (PCNV) IS ALWAYS REQUIRED FOR THIS DUTY.
 4. WIRING DISTANCE BETWEEN CONTROL PANEL AND TRACTION MACHINE MUST BE WITHIN 98'-5" (30 METERS) FOR THIS DUTY.

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SPECIFICATIONS	
SERIES	DIAMOND TRAC
LOAD	4000 LBS [1800 kg]
SPEED	400 FPM [120 m/min]
REGULATION / CODE	ASME A17.1S - 2005
TRAVEL	MAX. TRAVEL : 262'-0" [80 m]
DOOR TYPE	CO
GUIDE RAIL	CAR 18.5 LBS CWT 18.5 LBS
CWT SAFETY	NOT APPLIED

RAIL BRACKET SPACING			
SEISMIC ZONE	ZONE 0 TO 2		ZONE 3 & 4
RAIL SIZE	18.5 LBS		18.5 LBS
RAIL BRACKET SPACING	CAR	CWT	CAR CWT
	15'-10 15/16" [4850]	16'-4 7/8" [5000]	13'-5 7/16" [4100] 12'-9 9/16" [3900]

RAIL REACTION LOAD				
RAIL LOAD DETAIL	SEISMIC ZONE	CAR RAIL A, B		CWT RAIL C, D
		F1X	F1Y	F1X F1Y
	ZONE 3 & 4	3900 LBS	2000 LBS	4200 LBS 2100 LBS

CAR HITCH BEAM LOAD			
STATIC LOAD		DYNAMIC LOAD	
RA	RB	RA	RB
5900 LBS [27000 N]	1800 LBS [8000 N]	11500 LBS [51200 N]	3600 LBS [16000 N]

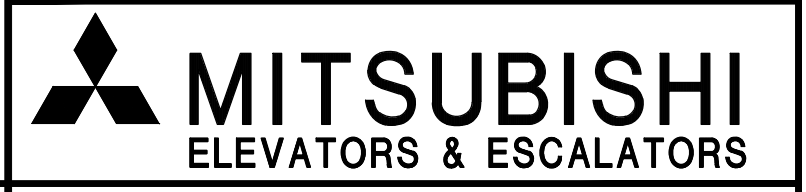
PIT REACTION LOAD							
WITHOUT CWT SAFETY	SEISMIC ZONE (RAIL SIZE)	RAIL REACTION LOAD				BUFFER REACTION LOAD	
		R1	R2	R3	R4	P1	P2
	18.5 LBS	20400 LBS [91000 N]	19300 LBS [86000 N]	19800 LBS [88000 N]	12600 LBS [56000 N]	51700 LBS [230000 N]	43800 LBS [195000 N]

POWER FEEDER DATA 1CAR													
MOTOR	STANDARD VOLTAGE 208V				STANDARD VOLTAGE 480V				POWER SUPPLY CAPACITY	HEAT EMISSION			
	[HP]	[kW]	FLU [A]	FLAcc [A]	BREAKER IN CONTROL PANEL [A]	CURRENT [A]	FLU [A]	FLAcc [A]	BREAKER IN CONTROL PANEL [A]	[kVA]	HOISTWAY (EXCEPT CAR LIGHTING) [BTU/Hr]	CONTROL PANEL ROOM [W]	
33.5	25	116	215	215	115	50	93	50	25	5120	1500	14160	4150

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]

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

PROJECT:	-
ELEV. NO.:	-
DWG. TITLE:	-
ADMIN. NO.:	-
DWG. NO.:	EZ-B-0133
REV.:	



NOT TO BE USED FOR CONSTRUCTION

SCALE : 1/50