

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	500 FPM [150 m/min]
REGULATION / CODE	ASME A17.1S - 2005
TRAVEL	MAX. TRAVEL : 295'-0" [90000]
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 15'-10 15/16" [4850]	CWT 16'-4 7/8" [5000]	CAR CWT 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

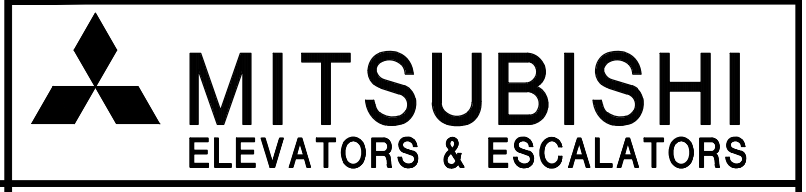
CAR HITCH BEAM LOAD			
STATIC LOAD		DYNAMIC LOAD	
RA	RB	RA	RB
5900 LBS	1900 LBS	11500 LBS	3700 LBS

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 [kVA]	HEAT EMISSION		
	[HP]	[kW]	FLU [A]	FLAcc [A]	BREAKER IN CONTROL PANEL [A]	FLU [A]	FLAcc [A]	BREAKER IN CONTROL PANEL [A]		HOISTWAY (EXCEPT CAR LIGHTING)	CONTROL PANEL ROOM	
39	29	115	226	139	50	98	60	25	5120	1500	14160	4150

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 **DIAMOND TRAC**

SCALE : 1/50