

HOISTWAY SECTION
WITH CWT SAFETY

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

SPECIFICATIONS

SERIES	DIAMOND TRAC	
LOAD	4000 LBS [1800 kg]	
SPEED	400 FPM [120 m/min]	
REGULATION / CODE	ASME A17.1S - 2005	
TRAVEL	MAX. TRAVEL : 295'-0" [90000]	
DOOR TYPE	CO	
GUIDE RAIL	CAR	15 LBS OR 18.5 LBS
	CWT	15 LBS OR 18.5 LBS
CWT SAFETY	APPLIED	

RAIL BRACKET SPACING

SEISMIC ZONE	ZONE 0 TO 2				ZONE 3 & 4			
	15 LBS		18.5 LBS		15 LBS		18.5 LBS	
RAIL SIZE	CAR	CWT	CAR	CWT	CAR	CWT	CAR	CWT
RAIL BRACKET SPACING	12'-3 9/16" [3850]	13'-3 7/16" [4050]	15'-10 15/16" [4850]	16'-4 7/8" [5000]	9'-10 1/8" [3000]	9'-10 1/8" [3000]	13'-5 7/16" [4100]	12'-9 9/16" [3900]

RAIL REACTION LOAD

SEISMIC ZONE	RAIL REACTION LOAD	CAR RAIL A, B		CWT RAIL C, D	
		F1X	F1Y	F1X	F1Y
		ZONE 0 TO 2	2000 LBS [9000 N]	1000 LBS [4500 N]	2100 LBS [9400 N]
ZONE 3 & 4	3300 LBS [15000 N]	1800 LBS [8000 N]	3600 LBS [16000 N]	2300 LBS [7100 N]	

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

SEISMIC ZONE (RAIL SIZE)	RAIL REACTION LOAD				BUFFER REACTION LOAD	
	R1	R2	R3	R4	P1	P2
WITH CWT SAFETY	15 LBS	20400 LBS [91000 N]	19300 LBS [86000 N]	19800 LBS [88000 N]	12600 LBS [56000 N]	51700 LBS [230000 N]
	18.5 LBS					43800 LBS [195000 N]

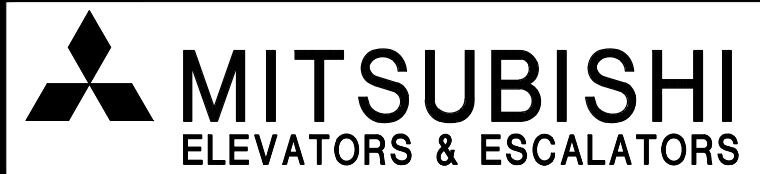
POWER FEEDER DATA 1CAR

MOTOR	STANDARD VOLTAGE 208V				STANDARD VOLTAGE 480V				POWER SUPPLY CAPACITY [kVA]	HEAT EMISSION			
	FLU	FLAcc	BREAKER IN CONTROL PANEL [A]	CURRENT [A]	FLU	FLAcc	BREAKER IN CONTROL PANEL [A]	CURRENT [A]		HOISTWAY (EXCEPT CAR LIGHTING)	CONTROL PANEL ROOM		
[HP] [kW]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[BTU/Hr]	[W]	[BTU/Hr]	[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]
STANDARD VOLTAGE (E1 or E2) [V]
= EACH CURRENT (FLU or FLAcc) [A] X 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-0135
REV.:	



NOT TO BE USED FOR CONSTRUCTION **DIAMOND TRAC**

SCALE : 1/50