

HOISTWAY SECTION WITH 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 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
RAIL BRACKET SPACING	12'-7 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]	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]

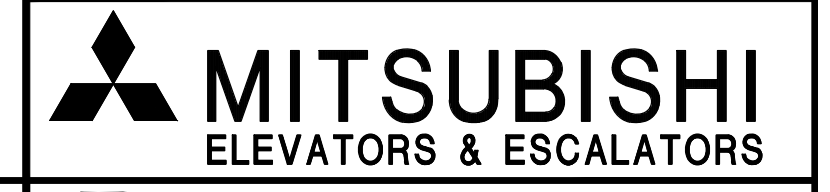
PIT REACTION LOAD						
SEISMIC ZONE (RAIL SIZE)	RAIL REACTION LOAD				BUFFER REACTION LOAD	
	R1	R2	R3	R4	P1	P2
WITH CWT SAFETY						
15 LBS	20400 LBS [91000 N]	19300 LBS [86000 N]	19800 LBS [88000 N]	12600 LBS [56000 N]	51700 LBS [230000 N]	43800 LBS [195000 N]
18.5 LBS						

POWER FEEDER DATA 1CAR												
MOTOR	STANDARD VOLTAGE 208V				STANDARD VOLTAGE 480V				POWER SUPPLY CAPACITY [kVA]	HEAT EMISSION		
	CURRENT	BREAKER IN CONTROL PANEL [A]	CURRENT	BREAKER IN CONTROL PANEL [A]	CURRENT	BREAKER IN CONTROL PANEL [A]	CURRENT	BREAKER IN CONTROL PANEL [A]		HOISTWAY (EXCEPT CAR LIGHTING) [BTU/Hr]	CONTROL PANEL ROOM [W]	
[HP]	[kW]	FLU [A]	FLAcc [A]	FLU [A]	FLAcc [A]	FLU [A]	FLAcc [A]	[kVA]	[BTU/Hr]	[W]	[BTU/Hr]	[W]
39	29	115	226	139	50	98	60	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-0135	REV.:



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