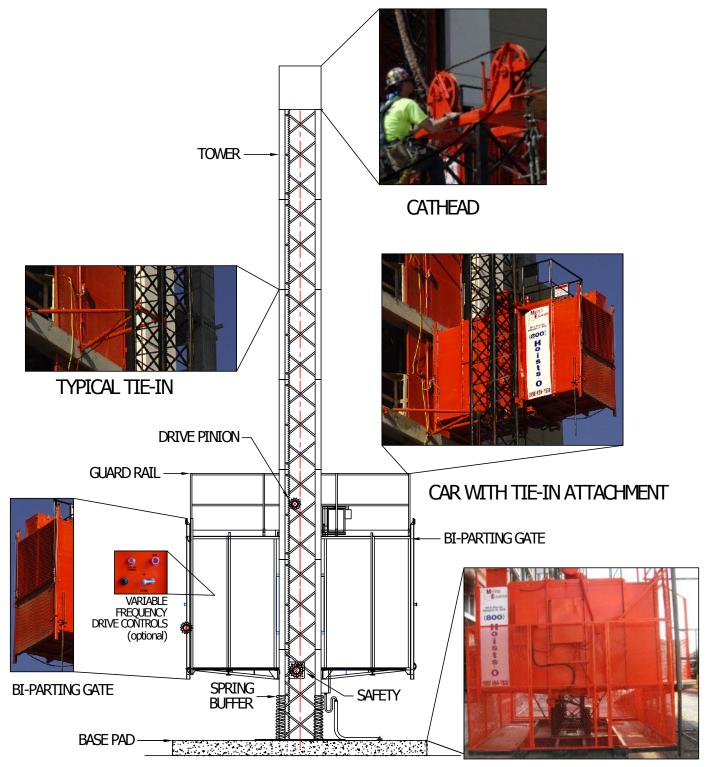
US80-1R

Single Car Personnel/Material Hoist



HOIST ELEVATION

BASE ENCLOSURE

P1 SCALE:3/16=1'-0"



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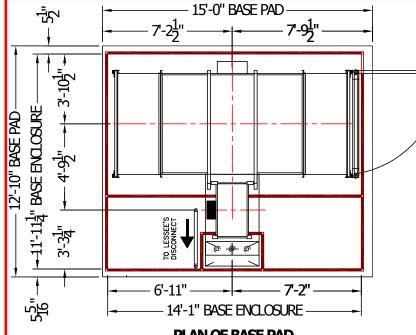


METRO ELEVATOR's CHAMPION elevators meet industry codes (ANSI and OSHA) and can be certified to industry standards such as ABS, DNV, and USCG.

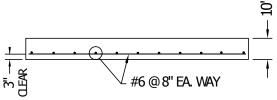


US80-1R

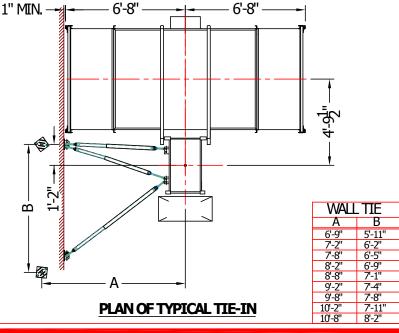
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PLAN OF BASE PAD



SECTION A-A



Maximum passengers	40
Elevator drive	Rack and pinion
Capacity	8,000 lbs (2722 kg)
Car Weight	6,400 lbs (2903 kg)
Total base weight	23500 lbs. (73855 kg.)
Base disconnect	Circuit Breaker in NEMA 4 Enclosure
Electrical outlet	120 vac in Car
Weight of tower	300 lbs (136 kg)
Wall ties	Adjustable strut
Landing gates	Swinging gates
Maximum car speed	150ft/min (42.7 m/min/45.7m/min)
Interior dimensions	13'-0"Lx5'-7"Wx7'-4"H(4.0 mL x 1.7 mW x 2.2 mH)
Maximum tower height	900' (274.32m)
Dimensions of tower	56" W x 28" L x 60" H (1.42 m x .71 m x 1.52 m)
Tie-in intervals (maximum)	30' (9.14m)
Electrical Power	35 HP (26 kW)
Power Required	62.5 KVA, 480 VAC, 60 Hz , 3 Ø
Motor Control	Variable Frequency Drive (optional)
Full load current	37.5 Amps per car
Traveling Cable	Multi-Conductor Type W-Tower Height Plus 30Ft (9.14m)
Brake	Spring set, Electrical Release Multiple Disc Brake
Safety overspeed governor	Centrifugally Actuated Multiple Friction Disc Brake
Emergency lowering	Manual Brake Release
Stopping distance accuracy	±.6"(± 15.24 mm)
Brake torque	175 ft/lbs. (102Nm)
Weight of counterweight	6400 lbs. (14110 kg.)
Counterweight wire ropes	(2) 5/8" (15.88 mm) 6x25 xIP-IWRC
Length of counterweight ropes	2 x Tower Height Plus 30' (9.14 m)

STANDARD BASE UNIT

- Fully assembled enclosed car
- Overspeed governor
- Two manually operated vertically bi-parting car gates0
- · Control and limit switches
- · 20' of tower for 0 lifting height
- Hot Dipped Galvanized Car & Tower
- · Counterweight & cathead Assembly
- Variable Frequency Drive (VFD)
- Base fence enclosure
- Base disconnect box
- Buffer stand and springs
- Power cord guide trailing wheel assembly
- · GFI Receptacle in cr
- · Hand lever control
- · Interior Car Lighting

· OPTIONAL FEATURES

- Base platform and stairs
- Building landing gates
- Landing call station
- automatic control system
- Emergency lighting systems
- · Additional tower sections
- Wall Ties
 - Auxilary manual hand control provision for opposite hand installation
- · Gin Pole with winch for tower erection
- Communication or signal system
- Alarm installation
- · Pit light & switch
- · Pit stop switch
- Car top light & switch
- Car top receptacle

SCALE:3/16=1'-0"



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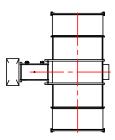


US80-1R

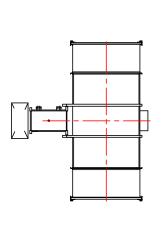
Single Car Personnel/Material Hoist



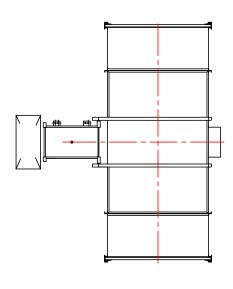
SCALE: 1/16=1'-0"



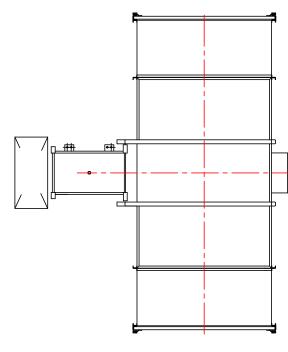
SCALE:3/32=1'-0"



SCALE: 1/8=1'-0"



SCALE:3/16=1'-0"



SCALE:1/4=1'-0"

NOTE:

PLEASE CONTACT METRO ELEVATOR FOR ADDITTONAL SCALES THAT ARE NOT SHOWN HERE. COPY THIS SHEET TO A TRANSPARENCY FILM, USE IT FOR LOCATING THE HOIST ON AN EXISTING PAPER PLAN LAYOUT OF THE BUILDING STRUCTURE.

OVERLAY TEMPLATE

1-800-464-7870











SCALE:3/16=1'-0"