Champion
US-6002-2R

METRO ELEVATOR CO., INC.
1-800-464-7870
www.metroelevator.com

ELEVATOR	**Elevator drive**	Rack-and-pinion
	Maximum passengers	30 per car
	Total base unit weight	28,910 lbs (13,113kg)
	Capacity	6,000 lbs (2,721kg) per car
CAR/GATES	**Car weight**	5,400 lbs (2,450kg) per car
	Maximum car speed	300 ft/min (45.72 m/min)
	Interior dimensions	12'4" L x 4'8" W x 7'2" H (3.76m L x 1.42m W x 2.18m H) per car
	Landing gates	Swing type
TOWER	**Maximum tower height**	900' (274.32m) consult factory for greater lifting heights
	Dimensions of tower section	56" L x 28" W x 60"H (1.42m L x .71m W x 1.52m H)
	Weight of tower section	485 lbs (220kg)
	Wall ties	Adjustable strut 3" – 51" (.076 – 1.30m)
	Tie in intervals	30' (9.14 m)
MOTOR/POWER	**Electrical Motor**	30 HP (22.5 kW)
	Power required	37.5 KVA, 460 VAC, 60 Hz, 3 phase per car
	Motor control	Full line voltage at start – variable frequency drive available
	Electrical outlet	120 VAC
	Traveling cable	6/6 – 2 ea- tower height plus 20' (12.19 m) required
	Base disconnect	Circuit breaker or fuses in NEMA 4 enclosures
	Full load current	37.5 Amps per car
BRAKES	**Brake**	Electromechanical multiple disc, spring set
	Safety overspeed governor	Centrifugally actuated multiple friction disc brake
	Stopping distance accuracy	± 6" (± 15.24cm)
	Brake torque	175 ft/lbs
COUNTERWEIGHT	**Weight of counterweight**	5,400 lbs (2,450kg) per car
	Counterweight wire ropes	5/8" (1.59m) 6 x 25 XIP-IWRC
	Length of counterweight ropes	4 each tower height plus 40' (12.2m) required

STANDARD BASE UNIT

- Fully assembled enclosed car
- Overspeed governor
- Two manually operated vertically bi-parting entry gates
- Control and limit switches
- 20' of tower for 0' lifting height
- Counterweight
- Dual cathead assembly
- Base fence enclosure
- Base disconnect box
- Buffer stand and springs
- Power cord guide wheel assembly

OPTIONAL FEATURES & SERVICES

- Base platform and stairs
- Building landing gates
- Communication or signal system
- Preventative Maintenance
- Drop Test & Test Weights

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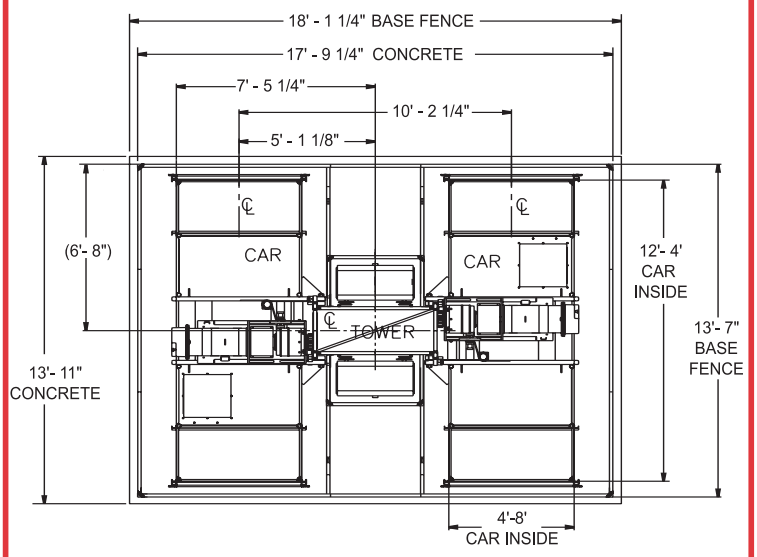
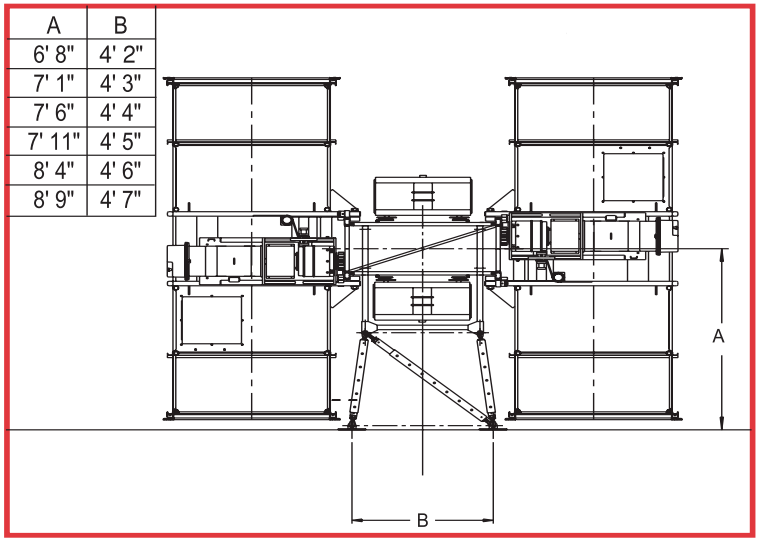
FOUNDATION DIMENSIONS



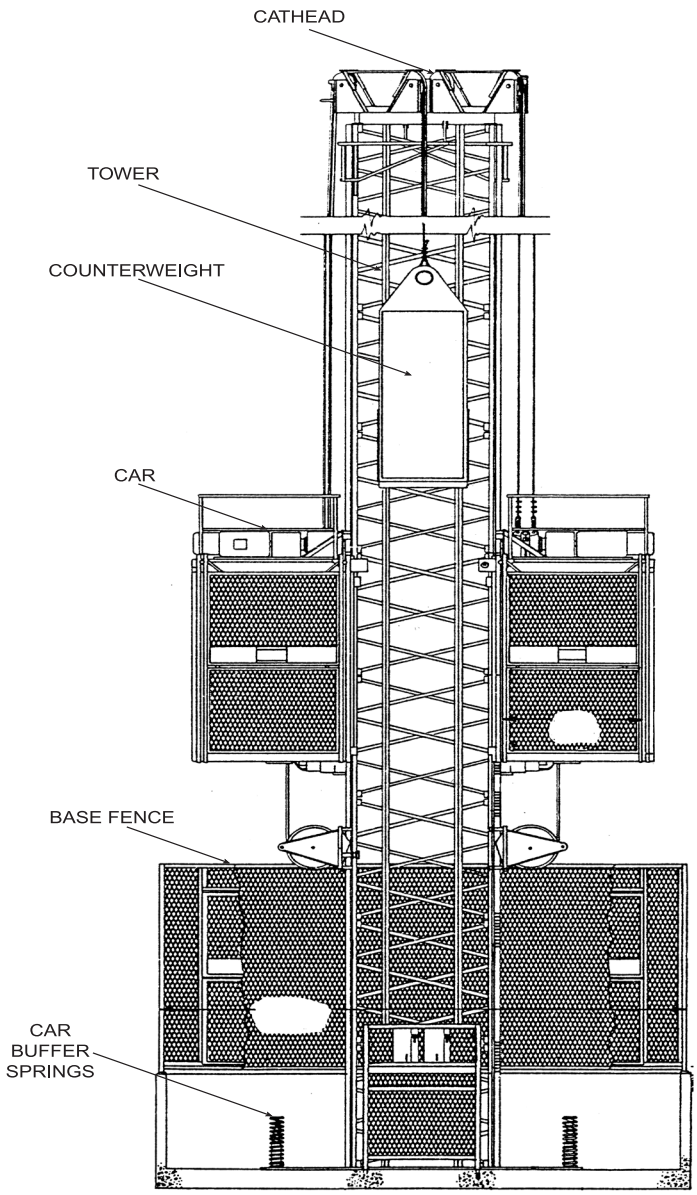
WALL TIE DETAIL

A	B
6' 8"	4' 2"
7' 1"	4' 3"
7' 6"	4' 4"
7' 11"	4' 5"
8' 4"	4' 6"
8' 9"	4' 7"



Dimensions are typical, please consult with engineering for specific configurations.

BASIC ELEMENTS



Elevators are designed to comply with ANSI A10.4 and / or A17.1 Part XV. Use of products must conform to safe practice and applicable statutes, regulations, codes, and ordinances. Drawings are illustrative only and do not necessarily depict exact configurations of products offered at a particular time.

Foundation is 10" thick 4000 PSI concrete pad with a single mat of #4 rebar on 12" centers 3" from the bottom.

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