

Specifications:

Winding Drum - Residential Elevator

GENERAL:

SCOPE: To furnish all labour, materials and equipment necessary or required to fully complete the installation of a residential elevator. The specification is intended to cover the complete installation of a "Designer" residential elevator.

SYSTEM DESCRIPTION: The residential elevator assembly shall consist of a power unit, car guide system, winding drum lifting device, control system, signals and alarms, electrical wiring, and parts and accessories necessary to provide required performance, operation, code and safety requirements.

QUALITY ASSURANCE: The "Designer" residential elevator shall meet and/or exceed applicable codes and regulations of all governing agencies and be in conformance with the most current codes/standards:

- a) CSA B44-00 National Safety Code for Elevators, Section 5.3-Private Residence Elevators.
- b) Canadian Electrical Code Part 1. and the Ontario Electrical Code consisting of CSA C22.1 -02
- c) Local Codes and regulations as required

PREPARATORY WORK BY OTHERS: Suitable hoistway enclosure including pit, landing doors with hardware and guide rail mounting supports. 120/1/60 volt power source including manually operated fused line disconnect. Provide clear access to elevator installation location and remove all obstacles prior to elevator delivery and installation.

PRODUCT DATA:

A.) The residential elevator shall be the "Designer" Manufactured by Waupaca Elevator Inc.

Dealer: Canada Custom Elevator Inc.
2660 Meadowvale Blvd., Unit #1
Mississauga, Ontario. L5N 6M6
Ph: (905)286.4444 Fax: (905)286.4355 Toll Free: 1.888.283.1112

Rated Load: 500 lbs (227 Kg) or Optional 1000 lbs(454 Kg).

Drive: Winding Drum Drive

Operation: Single Automatic Push Button

Travel: Up to 50 ft (15.2M)

Speed: 30 fpm. (.015 mps)

Stops: Maximum of (6) stops

Pit: For a normal installation, a (6") six in. deep pit is required.

Overhead: For a normal installation with a standard 6ft.-10in. cab height, 7ft.-6in. is required above top floor.

Car Enclosure: An extremely rigid Designer car enclosure shall be made of unfinished flush Birch walls and ceiling, solid cylindrical wood handrail, (2) two recessed down lights, Floor is (unfinished) plywood construction ready to accept finished flooring by others.

Car Operating Panel: Car operating panel shall consist of metal lens call push buttons and red LED halo lighting for each landing, an alarm button, emergency stop button, light override switch and a digital car position indicator with car direction arrows all mounted on a brushed stainless steel or brass faceplate.

Car Gate: Car gate shall be rigid metal constructed scissor style collapsible gate (powder coated finish) or solid vinyl-laminate accordion style gate (4 colours to choose from) with an approved positive contact safety gate switch that prevents the elevator's operation with the car gate open.

Landing Controls: Each landing station shall consist of metal lens call button and a "car here" indicator with red LED halo lighting mounted on a brushed stainless steel or brass faceplate.

Home Landing: Controller shall be setup to allow elevator to automatically move and "Park" at a designated floor when the elevator sits idle for a predetermined time after usage.

Door Locks: An electromechanical unit system contact and lock shall be furnished for each hallway entrance. The interlock shall prevent the elevator operation unless all the doors are closed and locked and prevent opening of any door when the elevator is not at that landing.

Specifications:

Car Frame: Heavy duty cantilevered design steel sling with (4) four high density synthetic guides and rollers. Twin Instantaneous safeties applied by a retained compression spring and slack rope safety are included.

Car Suspension: The elevator car frame shall be supported by (2) two 1/4 in diameter 7 X 19 galvanised aircraft cables.

Guide Rail: Guide rail shall be Specially formed 3/16in. thick, 8in. wide (inside) steel channel, provided with mounting bracket supports at intervals of 30in. Heavy duty splice bolts shall be used at all matched rail splices for installation.

Drive Machine: Drive machine shall utilize a high ratio gearbox, direct mounted and coupled to a 2 H.P., single speed, instant reversing motor.

Drum: Shall be single drum with outboard bearing for support.

Easy Ride: Shall provide variable speed frequency control for controlled acceleration and deceleration

Safety Brake: Single Electromagnetic drum brake. Electrically released and spring applied, and released only when drive motor is energized.

Disconnect: Fused Mainline and 115 volt Cab light disconnect switches supplied and wired by Canada Custom Elevator Inc. Fuses provided for electrical overload protection.

Electric Supply: 230 volts, 30 amp. Single phase, 60 hertz circuit is required for elevator motor. A 115 Volt, 15 amp. Single phase circuit is required for cab lighting.

Warranty: The Designer carries a manufacturers (1) one year limited manufacturers warranty on material and workmanship.

END OF SECTION