

## Eclipse Residential Elevator Specification

### PART 1 - GENERAL

#### 1.01 SCOPE

The product described herein, manufactured by Savaria Concord Lifts Inc., is a private residence home elevator designed and dimensioned to provide access to all levels of the home based on the individual's requirements.

#### 1.02 References

The Residential Elevator shall be designed and manufactured and installed in accordance with the following standards:

1. American Society of Mechanical Engineers (ASME)/Canadian Standards Association (CSA)
2. American National Standards Institute (ANSI)
3. National Electrical Code (NFPA 70)/Canadian Electrical Code
4. International Building Code (IBC)/Canadian Building Code (CBC)
5. Americans with Disabilities Act Architectural Guidelines (ADAAG) – where applicable
6. Local Codes and Regulations as applicable

#### 1.03 System Description

- A: Drive System: Automatic 2 HP - Geared Roller Chain Variable Frequency Drive complete with counterweight, Relay Logic Controller and Diagnostic LEDs.
- B: Number of Stops: (specify) Two to Four
- C: Car Configuration: (specify) On/Off Same Side, Walk through, or 90 degree entry
- D: Maximum Travel: (specify) 50 feet (Up to 60 feet – where permitted)
- E: Rated Load: (specify) 750 lbs or 1000 lbs
- F: Rated Speed: (specify) 40 fpm – 50 fpm option available where permitted
- G: Car Size:
  1. (specify): 36 x 48, 36 x 54, 36 x 60, 40 x 54 or custom
  2. (specify): 80" or 96" high ceiling
- H: Car Walls: specify Solid Melamine or MDF Panels (Standard), Unfinished Oak Veneer Panels (optional), Finished Recessed Veneer Panels (Optional), Solid Hardwood Raised Panels (optional)
- I: Car Entrance Trim: (specify) Clear anodized aluminum or bronze anodized aluminum
- J: Car Ceiling: (specify) White or Wood Veneer to match wall panels
- K: Car Lighting: Four Recessed Incandescent Down Lights (specify) stainless steel or brass
- L: Handrail: (specify) Clear anodized aluminum, Bronze anodized aluminum, Stainless Steel or Brass
- M: Operating Features:
  1. Car Operating Panel: (specify) Clear anodized aluminum, Bronze anodized aluminum, Stainless Steel or Brass panel with illuminated automatic controls, emergency stop switch, alarm button and car position and direction indicator and key lock.
  2. Hall Stations: (specify) Clear anodized aluminum, Bronze anodized aluminum, Stainless Steel or Brass panel with illuminated automatic button (specify option) rectangular or oval design.
  3. Pit Switch and Car top run/stop switch
  4. Uninterruptible power supply (UPS)/Battery Back-up system for lowering, automatic gate operation (if equipped), and electrical interlock operation and lighting in the event of a power failure.
  5. Automatic homing option to (specify) floor available.
  6. Telephone Cabinet: (specify) Clear anodized aluminum, Bronze anodized aluminum, Stainless steel or Brass
  7. Car Gate(s): (specify) Accordion folding gate with offset safety hinge and safety switch (specify style) Panelfold (clear anodized aluminum or bronze anodized aluminum with 3 clear acrylic inserts), Clearfold (clear anodized aluminum with clear acrylic inserts) or Visifold (bronze anodized aluminum with bronze acrylic inserts) or Black

Scissor Gate complete with safety switch

8. Hoistway Door Interlocks: (specify) Electromechanical interlocks (Kwiklock or EMI)
9. Upper and Lower terminal limits
10. Final limits
11. Slack Chain safety with manual reset switch
12. Two-way leveling
13. Trip timer motor protection system
14. (specify option) Automatic accordion style gate operator(s)
15. (specify option) Automatic swing style landing door operator
16. (specify option) Cab flooring (specify) cherry, maple, or oak
17. (specify option) Buffer springs (requires 12" pit).

#### 1.04 Quality Assurance

- A. Manufacturer: Provide elevator manufactured by a firm with a minimum of 20 years experience in fabrication of elevators equivalent to those specified.
- B. All designs, clearances, workmanship and material, unless specifically accepted, shall be in accordance with all codes having legal jurisdiction.
- C. All load ratings and safety factors shall meet or exceed those specified by all governing agencies with jurisdiction and shall be certified by a professional engineer.
- D. Elevator shall be subject to applicable state, local and city approval prior to installation and subject to inspection after installation. Determination of and adherence to these regulations is the responsibility of the elevator contractor.
- E. Welders certified in accordance with the (AWS D1.1/CWB 47.1) requirements shall perform all welding of all parts.
- F. Substitution: No Substitutions permitted

#### 1.05 Warranty

- A. Savaria Concord Limited Warranty: Manufacturer shall warrant component parts of the Eclipse Residential Elevator for a period of 3 years from shipment from the manufacturing facility.

#### 1.06 Maintenance

- A. The Eclipse Residential Elevator must be maintained in accordance with manufacturer's instructions.

## Part 2 Product

### 2.01 Manufacturer

- A. Provide the Eclipse Residential Elevator with variable frequency drive manufactured by Savaria Concord Lifts Inc.
  1. Contact 107 Alfred Kuehne Blvd.  
Brampton, Ontario, Canada;  
Telephone: 1-800-661-5112;  
Fax: 1-905-791-2222;  
e-mail: info@concordellevator.com  
web site: www.savariaconcord.com

### 2.02 Material

- A. Guide Rail: Modular Guide Rail assembly incorporating 6 lb machined elevator T" Rails
- B. Chain: 2 only #60 roller chains
- C. Sling: Factory pre-assembled speedy sling c/w pre-set slack chain safety brake
- D. Platform Floor: Unfinished recessed plywood flooring

### 2.03 Finishes

- A. Components shall be prepared with a 3 stage cleaning process and finished with an electrostatically applied baked polyester Concord White gloss powder.

### 2.04 Electrical Systems

- A. The electrical contractors shall provide:
  1. 230 V AC, 20 Amp, 60 Hz, single phase disconnect complete with auxiliary disconnect, neutral and ground (4 wires) in the controller area.
  2. 120 V AC, 20 Amp, 60 Hz, single phase disconnect in the controller area for the car lights.
  3. Telephone circuit in the controller area.

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## Part 3 Execution

### 3.01 Acceptable Installers

- A. Installers shall be experienced in performing work of this section who have specialized in work comparable to that required for this project.
- B. Installers shall be certified and trained by the manufacturer.

### 3.02 Examination

- A. Use field dimensions and approved manufacturer's shop drawings to examine substrates, supports and other conditions under which this work is performed. Do not proceed with work until unsatisfactory conditions are corrected.

### 3.03 Installation

- A. The Eclipse Residential elevator shall be installed in accordance with manufacturer's instructions and as specified and approved by architect.
- B. Hoistway doors shall be installed by others.

### 3.04 Demonstration

- A. The elevator contractor shall make a final check of the elevator's operation in accordance with the instruction outlined in the Installation and Maintenance Manual with the Owner or Owner's representative present prior to turning the elevator over for use. The elevator contractor shall determine that operating and safety devices are functioning properly.

**Note 1:** It is the intent of this specification to broadly outline the equipment required. This specification does not cover the details of the design and construction.

**Note 2:** Dimensions and specifications are subject to constant change and continually evolving codes and product applications. For additional technical information, contact Savaria Concord Lifts at 1-800-661-5112 or [www.savariaconcord.com](http://www.savariaconcord.com).

## Important notice

This Planning guide provides nominal dimensions and specifications useful for the initial planning of a lift project. Dimensions and specifications are subject to constant change and continually evolving code and production applications.

Before beginning actual construction of the hoistway, please consult Savaria Concord Lifts Inc. or the authorized Savaria Concord dealer in your area to ensure you receive site specific application drawings with the specifications and dimensions for your project.

Visit our website for the most recent Eclipse drawings and dimensions.

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