

SECTION 14420
TYPICAL STAIRLIFT FOR STRAIGHT STAIRWAYS
SAVARIA STEP-SAVER

1. GENERAL

1.1 DESCRIPTION

- A. The product described in this section is manufactured by Savaria Corporation Inc. It is a stairlift designed for straight stairway. It is designed for indoor and residential applications . The stairlift shall be erected, installed, adjusted, tested and placed in operation by lift system manufacturer, or manufacturer's authorized installer.
- B. Lifts shall be in accordance with the ASME and local codes and regulations except where specified otherwise

1.2 PREPARATORY WORK BY OTHERS

- A. The following preparatory work to receive the lifts specified in this section is part or the work by others:
Permanent 120 VAC, 15 amp, single phase power to operate lift.

1.3 QUALITY ASSURANCE

A. SUBCONTRACTOR QUALIFICATIONS

- 1. Execute work of this section only by a company that has adequate product liability insurance.
- 2. Skilled tradesmen must be employees of the installing contractor approved by the lift manufacturer, with demonstrated ability to perform the work on a timely basis.

1.4 SUBMITTALS

- A. Shop drawings – the shop drawings shall show a complete layout of lifting equipment detailing dimensions and clearances as required.

1.5 MAINTENANCE

- A. The lift shall be cleaned regularly and inspected at intervals no longer than every 6 months.

1.6 WARRANTY

- A. Unit shall have a 30-month limited parts warranty.

2.0 PRODUCTS

2.1 STAIRLIFT

- A. Basic specifications for Savaria Step-Saver stairlift.

1. Rated load.....	300 lb (136 kg))
2. Rated speed.....	20 f.p.m (0.09 m/s)
3. Angle of incline.....	.25° to 50°
4. Applications.....	indoor, straight run stairway
5. Travel.....	up to 32'(9,754mm)
6. Operations.....	constant pressure, 24VAC
7. Power supply.....	120V, 15 amps, 1 phase, 60 Hz (household current 120VAC)
8. Drive system.....	rack and pinion
9. Controller.....	Fused controlled circuit
10. Motor.....	1/2 hp, 24VDC
11. Seat swivel.....	90°, 45° top and bottom

2.2 OPERATION

- A. Stairlift operation shall consist of constant pressure buttons or rocker switches located under the armrest of the carriage and on the call/send stations at both landings.
- B. Safety features: seat swivel cut-off switch, obstacle sensors, and seatbelt.

2.3 CLEARANCE

- A. Unfolded, the unit shall be at a maximum of 24 ½" (521 mm) from the back wall.
- B. Folded, the unit shall be at a maximum of 15 ½" (393) from the back wall.
- C. The rail shall be at a maximum of 6" (153 mm) from the back wall.

Note: please refer to shop drawings to respect the dimensions required.

2.4 COLOR

- A. The standard color of the rail is beige.
- B. The standard color of the carriage and upholstery is beige.

2.5 BRACKETS

- A. The installer shall install at least 2 brackets per section of rail. The minimum length of a section is 24".
- B. The first and the last step of the stairway shall both have a bracket.
- C. The brackets are mounted to the steps with anchors. If stairs are covered with carpet, install an anchor in the front hole of the bracket. In the absence of carpet, 2 anchors/bracket are necessary.

2.6 TERMINAL STOPPING DEVICE

- A. Normal terminal stopping devices shall be provided at top and bottom of runway to stop the car positively and automatically. A mechanical stopper shall be installed to stop the car if the electrical stopping devices are not functioning.

2.7 WIRING

- A. All wiring and electrical connections shall comply with applicable codes.

3.0 EXECUTION

- A. EXAMINATION: All site dimensions shall be taken to ensure that tolerances and clearances have been maintained and meet local regulations.
- B. PREPARATION: Pre-inspect the construction and service requirements for work by others. These requirements will be included in drawings, diagrams, engineering data sheets and special instructions before the work begins.
- C. INSTALLATION:
 - 1. Install all the components of the stairlift system that are specified in this section to be provided, and that are required by jurisdictional authorities to license the stairlift.
 - 2. Trained employees of the lift contractor shall perform all installation work of this section.
 - 3. Adjust stairlift for proper operation and clean unit thoroughly.
 - 4. Instruct users and owner's maintenance personnel in proper maintenance procedures.

END OF SECTION