Automatic Electric Disappearing Stairways

HIGHLIGHTS

- Meets A.N.S.I. A14.9-2010 for “Commercial” or “Residential” use.
- 1000 lb. capacity
- Rough opening: 30” x 72” (30” x 84” where floor to floor is 14’ or greater)
- Frame formed from 1/8” steel sheet
- Handrails/guides: 1 1/16” od galvanized
- Sealed ball bearings
- Motor: 1/3 hp, instantly reversible, pre-wired to control switches
- Stringers: 7” x .230” alum channel
- Treads: 6” x 20 3/8” x .225” alum channel with self-adhesive, anti-slip “Flex Tread”.
- Clear tread width: 16 5/8”
- Angle of incline: 52°

OPTIONAL ITEMS

- Key switch at lower level
- Warning buzzer
- Custom frame to accommodate dropped ceilings

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Patent no. 2,931,456

B - Clearance req’d for unit to open
C - Floor to floor height
D - Peak of arc
E - Clearance req’d for unit to close
F - Location of highest point relative to end of frame when unit is at peak
X - To suit total ceiling thickness
Product Details

Automatic Electric Disappearing Stairways

11 33 00 / PRF
BUYLINE 0444

Super Simplex Disappearing Stairways with or without 2 Hour Fire Rating

Other Products Available From Precision

Safety Guard-Rail for Floor Openings

Ships Ladders

Roof Hatches
SECTION 11 33 00
Auto Electric Disappearing Stairway

PART 1: GENERAL

1.1 SECTION INCLUDES
A. Automatic Electric Disappearing Stairway.

1.2 REFERENCES
A. ANSI A14.9: Safety Requirements for Ceiling Mounted Disappearing Climbing Systems.

1.3 SUBMITTALS
A. Submit under provisions of Section 01300.
B. Manufacturer's data sheets on each product to be used, including:
   1. Preparation instructions and recommendations.
   2. Storage and handling requirements and recommendations.
   3. Installation methods.
C. Shop Drawings for Stairs:
   1. Plan and section of stair installation.
   2. Indicate rough opening dimensions for ceiling and/or roof openings.

1.4 DELIVERY, STORAGE, AND HANDLING
A. Store stairway until installation inside under cover in manufacturer's unopened packaging. If stored outside, under a tarp or suitable cover.

1.5 WARRANTY
A. Limited Warranty: One year against defective material and workmanship, covering parts only. Defective parts, as deemed by the manufacturer, will be replaced at no charge, freight excluded, upon inspection at manufacturer's plant.

PART 2 PRODUCTS

2.1 MANUFACTURERS
A. Acceptable Manufacturer:
   Precision Ladders, LLC,
   P. O. Box 2279;
   Morristown, TN 3781a
   423-586-2265; Fax: 423-586-2091;
   www.PrecisionLadders.com

2.2 AUTOMATIC ELECTRIC DISAPPEARING STAIRWAY.
A. Automatic Electric Disappearing Stairway and Components: Stairway, rail, frame, door, drive unit, motor and controls/junction box.
   1. Model: Model AE as manufactured by Precision Ladders LLC,
      P. O. Box 2279,
      Morristown, TN 37816;
      Phone: (800) 225-7814,
      Fax: (423) 586-2091.
   2. Capacity: Unit shall support a 1000 lb (453 kg) load without failure.
   3. The system requires a ceiling opening of 2'-6" X 6'-0" for floor-to-floor dimensions up to 14'-0"; and 2'-6" X 7'-0" for floor-to-floor dimension greater than 14'-0".

B. ACCESSORIES:
   1. Standard toggle wall mounted switch or keyoperated switch (optional).
   2. Battery back-up power to open the stair in the event of a power failure (standard).
   3. Warning buzzer (optional) sounds when stairway is in motion.

2.3 FABRICATION
A. Completely fabricate ladder ready for installation before shipment to the site.
B. Completely fabricate handrail components ready for field assembly to ladder before shipment to site.

PART 3: EXECUTION

3.1 EXAMINATION
A. Do not begin installation until rough opening and structural support have been properly prepared.
B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
C. Examine materials upon arrival at site. Notify the carrier and manufacturer of any damage.

3.2 INSTALLATION
A. Install in accordance with manufacturer's instructions.

3.3 PROTECTION
A. Protect installed products until completion of project.
B. Touch-up, repair or replace damaged products before Substantial Completion.