

## **SECTION 11458 – DISAPPEARING STAIRWAY**

### **PART 1: GENERAL**

#### **1.01 SUMMARY**

- A. Metal Folding Disappearing Stairway including stairway, frame and door.
- B. Products Required, But Not Supplied Under This Section.
  - 1. Required fasteners.

#### **1.02 SYSTEM DESCRIPTION**

- A. The system requires a ceiling opening of 2'-6" X 5'-4" (30" X 64") for floor to ceiling dimensions in the range of 9' - 10" - 12' 0" and a ceiling to upper floor dimension of 1' or less.

#### **1.03 DELIVERY, STORAGE AND HANDLING**

- A. Examine stairway when it arrives on site. Notify the carrier and manufacturer of any damage.
- B. Store stairway until installation under roof, if possible; or, if stored outside, under a tarp or suitable cover.

#### **1.04 WARRANTY**

The unit carries a limited warranty of 1 year against defective material and workmanship, covering parts only, no labor or freight. Defective parts, if deemed so by the manufacturer, will be replaced no charge, freight excluded, upon inspection at manufacturer's plant which warrants same.

#### **1.05 MAINTENANCE**

- A. Under normal usage, the stairway shall require no preventive maintenance.
- B. No "Spare Parts" shall be required.

#### **1.06 PRICING**

Unit pricing is available from Precision Ladders, LLC representatives or by calling (800)225-7814.

### **PART 2: PRODUCTS**

#### **2.01 MANUFACTURER**

- A. Precision Ladders, LLC - P. O. Box 2279 - Morristown, Tennessee 37816-2279.  
Phone: (800)225-7814. FAX: (423)586-2091.
- B. Equal products by: B.L. Wilcox or approved equal

#### **2.02 MATERIALS**

- A. Door
  - 1. 1/8" aluminum door panel (standard) or 20 gauge steel door with 2 hour fire-rated Warnoc Hersey label that meets ASTM E-119 & UBC 43-7 requirements, passed 250° temperature rise in the first 30 minutes(optional).
  - 2. Steel piano hinge.
  - 3. Door overlaps bottom flange of frame (standard). Fire rated steel door is flush with bottom of frame.
  - 4. Eye bolt accommodates pole for opening and closing.Door
- B. Stairway
  - 1. Stringers
    - 1.1 6005-T5 Extruded aluminum channel 5" X 1" X 1/8".
    - 1.2 Tri-fold design
    - 1.3 Steel blade type hinges

- 1.4 Adjustable foot with plastic Mar-guard.
- 1.5 Pitch 63° (standard). Other pitches optional.

## 2. Treads

- 2.1 6005-T5 Extruded aluminum channel 5 3/16" X 1 1/4" X 1/8".
- 2.2 Width 5 3/16".
- 2.3 Length 21 9/16" (standard). Lengths to 36" available.
- 2.4 Deeply serrated top surface.
- 2.5 9 1/2" riser height (standard). Other riser heights available.
- 2.6 500 lbs load rating.

## C. FRAME

1/8" Steel, formed channel, 6" deep.

## D. HARDWARE

1. Steel blade type hinge connecting stringer sections, zinc plated & chromate sealed, bolted to stringers.
2. Steel operating arms, zinc plated & chromate sealed, both sides.
3. Double acting steel springs and spring cables, both sides.
4. Rivets rating at 1000# shear.

## E. SAFETY

1. Steel bar handrail riveted to stringers, upper section, right side standard.  
Other locations optional
2. Steel section alignment clips at stringer section joints.
3. Molded rubber guards at corners of aluminum door panel.

## F. MANUFACTURED UNITS

The disappearing stairway is a Model SS/AL-\*\*\* (\*\*\*)=ceiling height in inches - maximum is 144 for 30" x 64" opening)

## G. ACCESSORIES

1. Steel pole to aid opening and closing stairways. The pole is equipped with a hook on one end and bicycle grip on the other. Supplied.
2. Optional keyed lock for door.

## H. FABRICATION

The stairway is completely fabricated ready for installation before shipment to the site.

## I. FINISHES

1. Mill finish on aluminum stairway components.
2. Prime coat on frame.

## J. SOURCE QUALITY CONTROL

All products tested in factory test jig for proper operation before shipment.

## Part 3: EXECUTION

### 3.01 EXAMINATION

Examine rough opening in ceiling for opening size and squareness.

### 3.02 INSTALLATION

Install per the manufacturer's installation instructions.

### 3.03 FIELD QUALITY CONTROL

The manufacturer has representatives in all areas of the United States and Canada. For the name of the closest representative, call (800)225-7814.

END OF SECTION