

DIVISION II
Equipment



SECTION 11452 - RESIDENTIAL APPLIANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract from the front of the Specification book, including General Conditions and Supplementary General Conditions, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Residential Appliances including:
 - a. Ranges
 - b. Refrigerator
 - c. Hoods
 - d. Garbage Disposals
 - e. Washers
 - f. Dryers
 - g. Microwave

1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's specifications, installation instructions, and general recommendations for each major product required. Include data substantiating that products to be furnished comply with requirements of the contract documents.
- B. Operation and Maintenance Data: Submit material suitable for inclusion in manuals. Include operating and maintenance instruction, parts inventory listing, purchase source listing, emergency instructions, and similar information.
- C. Maintenance Data: Submit manufacturer's instructions for proper maintenance materials and procedures.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Obtain required products from a single manufacturer.
 - 1. Accessories: Provide accessory items only as produced or recommended by manufacturer of primary products.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Delivery and Storage: Keep materials dry at all times. Protect against exposure to weather and against contact with damp or wet surfaces.
- B. Delivery and Storage: Protect materials from excessive moisture in shipment, storage, and handling. Deliver materials in manufacturer's unopened packages, and store in dry place with adequate air circulation.

PART 2 - PRODUCTS

2.1 RESIDENTIAL APPLIANCES:

- A. The design is based on the following product: As scheduled on the drawings.
 - 1. Colors:
 - a. As noted on drawings, but if color is not indicated then as selected by the Owner manufacturer's standard selection.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Comply with manufacturer's instructions, except where more stringent requirements are shown or specified, and except where project conditions require extra precautions or provisions to ensure satisfactory performance of the work.

3.2 ADJUSTING

- A. Final Adjustments: Upon achieving substantial completion of the work, adjust all operable components to ensure that they are properly installed and functioning smoothly. Replace any component which cannot be adjusted for proper operation.

3.3 CLEANING

- A. Upon completion, clean all surfaces which have become soiled or coated as a result of work of this section, using proper methods which will not scratch or otherwise damage finished surfaces.
 - 1. For cleaning, use only products and techniques acceptable to manufacturer of products being cleaned.

3.4 PROTECTION

- A. General: Institute protective procedures and install protective materials as required to ensure that work of this section will be without damage or deterioration at substantial completion.

END OF SECTION

SECTION 11458 – ROOF HATCH AND LADDER

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract from the front of the Specification book, including General Conditions, Supplementary General Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Roof hatch with integral curbs.
- B. Fixed ladder and brackets.
- C. Products Required, But Not Supplied Under This Section.
 - 1. Required fasteners.

1.3 SYSTEM DESCRIPTION

- A. The system is an aluminum ladder designed to be attached to a wall.
- B. The system requires a ceiling opening of 2'-6" X 4'-6" (30" X 54") for floor to ceiling dimensions up to 10'-0' and a ceiling to upper floor dimension of greater than 1'. The rough opening at the level above shall be 30" x 76 1/2".

1.4 DELIVERY, STORAGE AND HANDLING

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

1.5 WARRANTY

- A. The units carry 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.

1.6 MAINTENANCE

- A. Under normal usage, the units shall require no preventive maintenance.
- B. No spare parts shall be required.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Precision Ladders, LLC, P. O. Box 2279 - Morristown, Tennessee 37816-2279. Phone: (800)225-7814. FAX: (423)586-2091.

2.2 ROOF HATCH

A. CURB

1. Formed from 14 gauge galvanized steel of lockforming quality per ASTM A-525 with G90 coating (.090 Aluminum H-14 3003 on aluminum models).
2. Sheathed with 1" of rigid fiber board insulation.
3. Height of 12" unless indicated otherwise on drawings.
4. 4" integral flange for securing to roof.
5. Hinges connecting curb to door shall be 1/8", 2 piece formed steel with 3/8" pivot pin.
6. Extruded rubber gasket within a 20 gauge extruded aluminum track shall be securely attached to the frame to make the unit weathertight.

B. COVER

1. Formed from 14 gauge galvanized steel of lockforming quality per ASTM A-525 with G90 coating (.090 Aluminum H-14 3003 on aluminum models).
2. Liner shall be 22 gauge galvanized steel with G90 coating (.040 Aluminum H-14 3003 on aluminum models).
3. Insulation between cover and liner to be 1" thick U.L. plain fiberglass 0.75# density.
4. Lid shall be reinforced as required with 11 ga. steel channel.
5. A one point cab lock is to be provided with a built-in inside handle on units with a length of 4' 6" or less.
6. On units of greater length, a 2 point slam lock will be used.
7. Exterior of cover shall be devoid of hardware with the exception of the outside handle.
8. Outside handle shall be vinyl coated, steel T-handle.

9. Automatic hold-open device shall be formed from 3/16" steel flat bar and 1/2" diameter steel round stock with a vinyl grip.
10. Padlock provisions provided on both interior and exterior of unit.

C. PRESSURE CONTROL

1. Opening/closing assistance/resistance on all models shall be provided with pressure intensifiers consisting of a telescoping tube; the top(outer) tube shall be 1 5/16",
 - a. bottom(inner) tube shall be 1 1/2".
2. Tubes shall be cadmium plated and chromate-sealed.

D. HARDWARE

1. Corrosion resistant hardware and fasteners is standard.

E. MANUFACTURED UNITS

1. The roof is a Model PLH-G 3'-0" x 3'-0"

F. FABRICATION

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

G. FINISH

1. Red oxide primer.

H. SOURCE QUALITY CONTROL

1. All products inspected at factory in an ISO 9002 environment.
2. All products tested in factory for proper operation before shipment.

2.3 LADDER

A. Ladder

1. Stringers (Siderail)
2. Aluminum channel. (6005-t5)
3. 2 1/2" X 1 1/16" X 1/8" .
4. A 1/8" molded polyurethane safety cap provided at top.
5. 2 1/2" X 2" X 3" floor bracket if required.

B. Treads

1. Extruded aluminum (6005-t5)
2. 2 1/4" X 3/4" X 1/4".
3. Treads deeply serrated for safety.

C. Mounting Bracket

1. 8" X 2" X 3" X 1/4" aluminum angle.

D. FRAME

1. Custom fabricated from 1/8" steel with factory-installed tread(s) to cover the distance from finished ceiling to finished floor above. Frame shall be on a 63 degree angle on the hinge end in order to continue the climb from ceiling and beyond on the same incline as the folding portion of the unit. The frame shall have pre-drilled and mounted brackets to allow for hanging from and fastening to the floor above.

E. HARDWARE

1. Steel blade type hinge connecting stringer sections, zinc-plated and chromate-sealed, bolted to stringers.
2. Steel operating arms, both sides, zinc-plated & chromate-sealed.
3. Double acting steel springs and V-hooks, both sides.
4. Rivets rating at 1100# shear.

F. 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.

G. MANUFACTURED UNITS

1. The fixed vertical ladder is a Model FL14.

H. FABRICATION

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

I. FINISHES

1. Mill finish on aluminum stairway components.

J. SOURCE QUALITY CONTROL

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

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine rough opening in ceiling for opening size and squareness.

3.2 INSTALLATION

- A. Install per the manufacturer's installation instructions.

3.3 FIELD QUALITY CONTROL

- A. 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

