

SECTION 10 70 00 – PROTECTIVE COVERS

PART 1 GENERAL

1.1 SUMMARY

- A. Work in this section includes furnishing and installation of Mansard Canopy as manufactured by Americana Outdoors and as indicated on drawings.

1.2 RELATED ITEMS AND CONSIDERATIONS

- A. Attachment for canopy.
 - 1. Anchors to supporting wall shall be supplied by installer.

1.3 SUBMITTALS

- A. Furnish shop drawings and confirm dimensions prior to fabrication.
- B. Complete shop drawings available showing structural component locations and positions, material dimensions, and details of construction and assembly.
- C. Structural engineer sealed drawings and calculations available if required.

1.4 QUALITY ASSURANCE

- A. Canopy must conform to applicable national and local building codes.
- B. Manufacturer Qualifications: Minimum 60 years experience in the manufacturing of protective covers of the type specified.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store all canopy components in protected areas until time of installation.

1.6 WARRANTY

- A. Canopy must include a twenty-five (25) year limited warranty on steel against material failure. Ten (10) year warranty against peeling, cracking, blistering, or crazing of the surface finish of aluminum and steel components. One (1) year warranty against defects in material and workmanship.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Americana Outdoors, #2 Industrial Drive, P.O. Box 1290, Salem, IL 62881;
1-800-851-0865

2.2 MATERIALS

- A. Roof, side panels, and front valance

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1. W Panel conforming to 24" width from center of locks, 2 ½" deep, and ribs 8" on center. Panels shall have a snap lock to form a watertight connection. Available in aluminum alloy 3004-H34, conforming to ASTM B209, with a baked enamel finish. Available in Galvalume® steel, conforming to ASTM A792 Grade 50, with a baked enamel finish that meets "Energy Star specification for cool roofs" reflective coating to reflect heat away from the shelter. Standard colors available per manufacturer's color chart.
- B. Fascia and trim
 1. Ridge trim shall be 10" wide and bent out of Galvalume® thickness of 0.024in.
 2. Varies other trim is used and all shall be made out of Galvalume® thickness of 0.024in
- C. Structure
 1. Extruded aluminum, 1" square frame has a wall thickness of .095. Strong, yet lightweight, for easy installation. Standard frame is sent mill-finish or optional powder coat frame available.

2.3 ACCESSORIES

- A. Fasteners
 1. #10 x ¾" #2 Tek Hex with washer head, self-drilling screws shall be zinc coated.
 2. #14 x ¾" #3 Tek Hex with washer head, self-drilling screws shall be zinc galvanized, 5/8" diameter, with neo bonded washer.
 3. #14 x ½" #2 Tek hex head, self-drilling screws shall be stainless steel.

2.4 FABRICATION

- A. All structural steel components shall be shop fabricated so that field assembly of components can be performed using only bolting and screw placement.

2.5 FINISHES

- A. All aluminum components are coated with anti-graffiti polyester triglycidyl isocyanurate (TGIC) powder and baked/cured at 400° F. This finish meets AAMA 2604-2 specification.
- B. Standard colors available for frame or roof panels per manufacturer's supplied color chart. Custom colors available upon request.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine substrates upon which canopy will be installed with installer present for compliance with requirements for conditions affecting performance or work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
- C. Installer shall confirm dimensions and elevations to be as shown on drawings provided by Americana Outdoors.

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- D. Installation shall be performed by an experienced installer and scheduled after all concrete and masonry in the area are completed.

3.2 INSTALLATION

- A. Installation shall be in strict accordance with manufacturer's shop drawings. General installation guidelines are supplied with each canopy.
- B. Particular attention should be given to protecting the finish during handling and installation.
- C. After installation, entire system should be left in a clean condition.

END OF SECTION