



PO Box 1290 • Salem IL 62881 • 1-800-851-0865

Aztec Specifications

PART 1 GENERAL

1.1. DESCRIPTION OF WORK

- A. Work in this section includes furnishing and installation of Aztec shelter as manufactured by Americana Building Products and as indicated on drawings.
- B. Aztec model shelter is four-sided with prefabricated structure, pre-cut roof panels, and hip roof.

1.2. RELATED ITEMS AND CONSIDERATIONS

- A. Concrete for shelter footings
 - 1. Standard models are surface mounted with anchor bolts. Buried post design available.
 - 2. Consider water drainage away from shelter where necessary.
 - 3. Any necessary removal or relocation of existing structure, obstructions, or materials.

1.3. FIELD MEASUREMENT

- A. Confirm field dimensions prior to preparation of shop drawings when possible
- B. If requested, supply manufacturer's standard literature and specifications for shelters.
- C. Shop drawings are available showing structural components locations/positions, material dimensions, and details of construction and assembly.

1.4. PERFORMANCE REQUIREMENTS

- A. Shelter must conform to local building codes. Standard models are designed to 115 miles per hour wind load and 20 pounds per square foot live load according to 2015 International Building Code (IBC) and American Society of Civil Engineers (ASCE) 7-10 design codes. Engineering available for custom load requirements.

1.5. DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store all shelter components in protected areas

PART 2 PRODUCTS

2.1. MANUFACTURER

- A. Americana Building Products, #2 Industrial Drive, P.O. Box 1290, Salem Illinois 62881; 1-888-442-2928

2.2. MATERIALS

A. Roof Panels

1. Aluminum 24" "W" Style Multi-Rib Panel
 - a) Aluminum Alloy 3004-H34
 - b) 2-1/2 tall, 24" wide interlocking design, Rib spacing 8" on center.
 - c) Thickness Available: .038"
2. Galvalume 24" "W" Style Multi-Rib Panel
 - a) ASTM A792, Grade 50 Galvalume Steel
 - b) 2-1/2 tall, 24" wide interlocking design, Rib spacing 8" on center
 - c) 24 Gauge Thickness
3. 18" Standing Seam Panel
 - a) ASTM A792, Grade 50 Galvalume Steel
 - b) 1-3/4 tall, 18" wide interlocking design
 - c) 24 Gauge Thickness
4. 8" Standing Seam Panel
 - a) Aluminum alloy 3105-H14
 - b) 2-3/4" tall, 8" wide interlocking design
 - c) Available thickness .032" and .038"
5. 36" Multi-Rib "R-Panel"
 - a) ASTM A792 Grade 50 Galvalume Steel
 - b) 1-1/4" TALL, 36" wide interlocking design, Rib spacing 12" on center
 - c) 26 Gauge

A. Roof Panels Continued

6. Sub Roofing: Wood
 - a) Southern Yellow Pine or Western Red Cedar, #1 Grade or better
 - b) 2" x 6" nominal dimensions; 1-1/2" x 5-3/8", Actual Dimensions with 7/16" tongue and 1/2" groove
 - c) To be covered from one of Americana roof panel options using hidden fastener system
 - d) Can be covered by felt paper and shingles, or other conventional roofing (Supplied by Others)

B. Perimeter Fascia

1. Extruded Aluminum Gutter Fascia
 - a) 4-1/8" Tall by 3-1/2" deep
 - b) Aluminum alloy 6105-T6, .062" thickness
 - c) Standard perimeter, except for wood roofing and 36" Multi-Rib R-Panel
2. Optional: Galvalume Formed Edge Trim
 - a) Standard for wood roofing and 36" Multi-Rib R-Panel
 - b) Available upon request
 - c) ASTM A792, Grade 50 Galvalume Steel, 24 Gauge thickness
3. Extruded Ridge Cap
 - a) Standard except for wood roofing and 36" Multi-Rib R-Panel
 - b) Aluminum alloy 6105-T5, .094" thickness

C. Structure

1. ASTM A36 Steel Plate
 - a) Thickness determined by loading requirements
2. ASTM A500, Grade B Hollow Structural Sections (HSS)
 - a) Standard posts, rafters, and ridge beam dimensions shall be 6" x 6" x 3/16", may vary according to loading requirements
 - b) Purlins size and thickness will vary according to loading requirements
3. Welding shall conform to the requirements of the American Welding Society's specification on material being welded.
 - a) Welding electrodes shall be E70XX

2.3. ACCESSORIES

A. Fasteners

1. High strength bolts conform to ASTM A325
 - a) All bolts shall be hot dip galvanized
2. #12-24 and #8-18 hex washer head, self-drilling screws
 - a) All screws shall be stainless steel or coated with zinc

2.4. FINISHES – ROOF PANELS

A. Aluminum-baked enamel or Galvalume-baked enamel

1. Galvalume roof panels meet “Energy Star specification for cool roofs” reflecting coating to reflect heat away from the shelter

B. Standard colors available per manufacturer’s supplied chart unless otherwise stated.

1. Custom colors are available upon request.

2.5. FINISHES – ALUMINUM

A. All aluminum components are coated with a specially formulated super durable polyester triglycidyl isocyanurate (TGIC) powder and baked/cured at 400° F

B. This finish meets AAMA 2604-2 specification

2.6. FINISHES – STRUCTURE

A. Powder Coating – Standard Finish

1. All steel components are blasted to near-white condition. Components are cleaned in a 3-stage process. Precleaned with 1173 liquid alkaline cleaner, Rinsed with ambient fresh water, and a final rinse with a 2846 Non-Phosphate liquid conversion coating sealant. All chemicals used are non-toxic and do not contain regulated heavy metals, organic accelerators, or phosphates allowing for a more environmentally friendly footprint while providing a superior adhesion of powder.
2. Components are then coated with specially formulated super durable polyester triglycidyl isocyanurate (TGIC) powder and baked/cured at 400° F at 6 to 9 mils thick
3. This finish meets AAMA 2604-2 specification

- B. Optional: Premium Frame Finish – Zinc Primer
 - 1. Above powder coating is applied over a 2-3 mils zinc rich primer
- C. Optional: Hot Dip Galvanizing
 - 1. All steel components are hot dip galvanized per ASTM A123, then coated with above standard powder coating finish

2.7. FABRICATION

- A. Support posts shall be designed such that the posts will receive and secure the support beams
- B. Structural welds performed by AWS D1.1 certified welder. Welding inspector on staff.
- C. Decking shall be designed with interlocking members with mechanical fasteners
- D. Water shall drain from covered surfaces into integral gutter fascia perimeter and directed to ground level via scuppers on standard models. Vertical downspout assemblies are available.

PART 3 EXECUTION

3.1. INSPECTION

- A. Confirm that surround area is ready for the shelter installation
- B. Installer shall confirm dimensions and elevations to be as shown on drawings provided by Americana Outdoors
- C. Erection shall be performed by an experienced installer and scheduled after all concrete and masonry in the area are complete

3.2. INSTALLATION

- A. Installation shall be in strict accordance with manufacturer's shop drawings. General installation guidelines are supplied with each shelter
- B. All structural steel components are fully fabricated to eliminate the need for drilling, cutting, or welding on site
- C. Particular attention should be given to protecting the finish during handling and installation
- D. After installation, entire system should be left in a clean condition