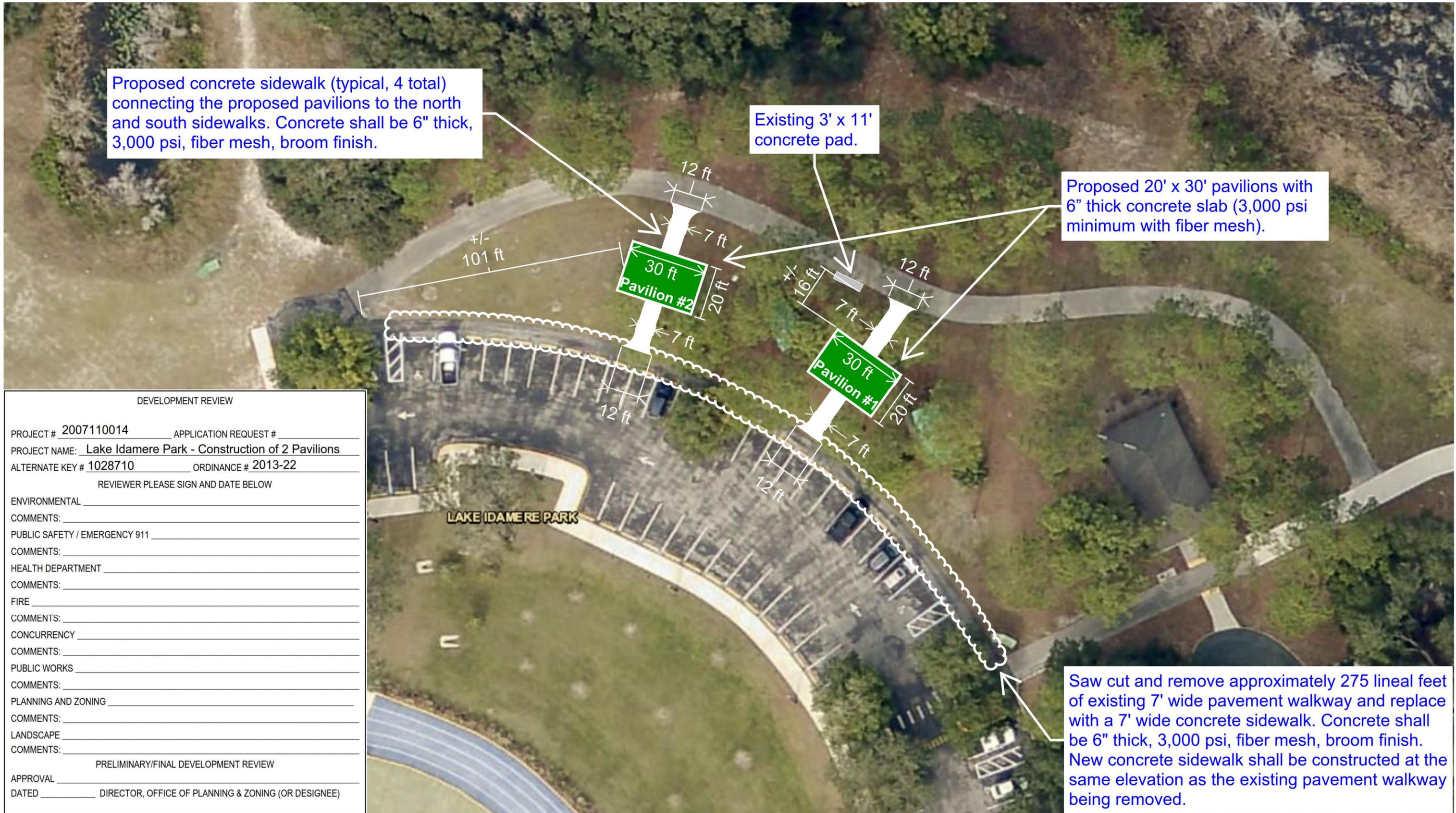


Lake Idamere Park - Site Plan

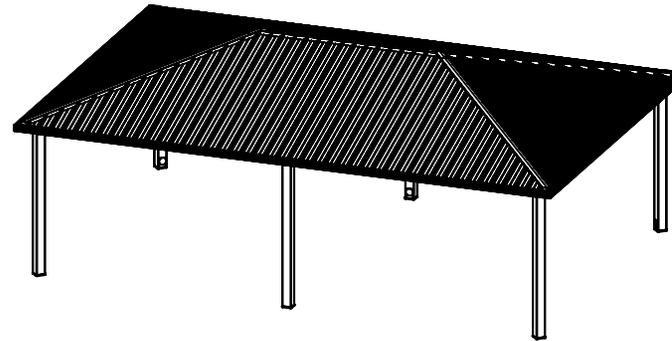


Construction of 2 (20' x 30') pavilions including concrete pads and sidewalks. Refer to attached Navajo Shelter drawings by Americana Outdoors for details. Pavilions previously approved under Site Plan AR #2132.

30 ft

GENERAL NOTES

1. SHELTER DESIGN
 - A. THIS SHELTER HAS BEEN DESIGNED AS AN OPEN STRUCTURE. THE ADDITION OF ANY ENCLOSURE SUCH AS WALLS, INSECT MESH, OR SHADE SCREENS SHALL BE PROHIBITED AS INCREASED WIND FORCES MAY RESULT.
2. FOUNDATION
 - A. THE FOUNDATION SHALL REST ON SOUND SOIL THAT IS FREE OF ORGANIC AND DELETERIOUS MATERIALS AND CAPABLE OF SUPPORTING 1500 PSF VERTICAL BEARING PRESSURE AND 100 PSF/FT LATERAL BEARING PRESSURE.
 - B. FOUNDATION DESIGN SHOWN IS BASED ON THE MINIMUM PRESUMPTIVE SOIL STRENGTHS FROM THE SPECIFIED BUILDING CODE. OWNER SHALL VERIFY ACTUAL SOIL CONDITIONS AT EACH JOB SITE AND ANY REQUIRED ADJUSTMENTS TO THE FOUNDATION DESIGN SHALL BE DESIGNED BY OTHERS.
3. CONCRETE
 - A. COMPRESSION STRENGTH OF ALL REINFORCED CONCRETE SHALL NOT BE LESS THAN 3500 PSI AT 28 DAYS.
 - B. REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO THE REQUIREMENTS OF MINIMUM ASTM A615 GRADE 40 FOR #4 AND SMALLER BARS AND GRADE 60 FOR BARS LARGER THAN #4.
 - C. MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE 3 UNLESS NOTED OTHERWISE.
 - D. ANCHOR RODS SHALL BE ASTM F1554 GRADE 36 MINIMUM, GALVANIZED ROD, HEADED OR WITH HEAVY HEX NUT TACKED TO ROD.
4. STRUCTURAL STEEL
 - A. STEEL PLATE SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36.
 - B. HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO THE REQUIREMENTS OF OF ASTM A500, GRADE B (Fy = 46 KSI).
 - C. WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY'S SPECIFICATIONS FOR THE MATERIAL BEING WELDED.
 - D. WELDING ELECTRODES SHALL BE E70XX.
 - E. STRUCTURAL STEEL COMPONENTS SHALL BE COATED WITH ANTI-GRAFFITI POLYESTER TGIC POWDER COAT FINISH MEETING AAMA 2604-02 SPECIFICATION.
5. ALUMINUM
 - A. EXTRUDED ALUMINUM RIDGE CAP SHALL BE FABRICATED FROM ALUMINUM ALLOY 6105-T5 AND SHALL CONFORM TO THE REQUIREMENTS SHOWN ON THE DRAWING.
 - B. EXTRUDED ALUMINUM GUTTER FASCIA SHALL BE FABRICATED FROM ALUMINUM ALLOY 6105-T6 AND SHALL CONFORM TO THE REQUIREMENTS SHOWN ON THE DRAWING.
 - C. ALUMINUM COMPONENTS SHALL BE COATED WITH ANTI-GRAFFITI POLYESTER POWDER COAT FINISH MEETING AAMA 2604-02 SPECIFICATION.
6. ROOF DECK
 - A. INTERLOCKING SEAL ALUMINUM ROOF DECK SHALL BE ROLL FORMED FROM ALUMINUM ALLOY 3004-H34 AND SHALL CONFORM TO THE DECK PROFILE SHOWN ON THE DRAWING.
 - B. ROOF DECK SHALL BE COATED WITH HEAT REFLECTIVE BASF ULTRA-COOL COATING OR APPROVED EQUAL.
7. FASTENERS
 - A. HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM A325 OR A307 (SEE DETAILS).
 - B. SCREWS ATTACHED TO STEEL SHALL BE 12-24 HEX WASHER HEAD #5 POINT SELF DRILLING SCREWS WITH BOND SEAL WASHER.
 - C. SCREWS ATTACHING TO ALUMINUM SHALL BE 8-18 HEX WASHER HEAD #2 POINT SELF DRILLING SCREWS.
 - D. HIGH STRENGTH BOLTS SHALL BE HOT DIP GALVANIZED. ALL SCREWS SHALL BE STAINLESS STEEL OR COATED WITH ZINC.
 - E. ALL BOLTS SHALL BE TIGHTENED TO A SNUG-TIGHT CONDITION AS DEFINED IN THE 2004 RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC) SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS.
8. SHOP FABRICATION AND FIELD ASSEMBLY
 - A. ALL STRUCTURAL STEEL AND ALUMINUM COMPONENTS SHALL BE SHOP FABRICATED SO THAT FIELD ASSEMBLY OF CONNECTIONS CAN BE PERFORMED USING ONLY BOLTING AND SCREW PLACEMENT.
 - B. ALL SHOP WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS.
 - C. ALL SHOP WELDS SHALL BE IN STRICT ACCORDANCE WITH THE STRUCTURAL WELDING CODE AWS D1.1 OF THE AMERICAN WELDING SOCIETY SPECIFICATIONS. ALL STRUCTURAL WELDS SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF "PRE-QUALIFIED" WELDED JOINTS. ALL WELDING SHALL CONFORM TO AWS A5.18 : ER70S-6 SERIES E70XX ELECTRODES - LOW HYDROGEN.
 - D. FIELD WELDING SHALL NOT BE REQUIRED.
9. SPECIAL INSPECTIONS
 - A. SPECIAL INSPECTIONS, IF ANY REQUIRED BY THE LOCALLY ADOPTED BUILDING CODES, ARE NOT INCLUDED IN THIS WORK AND SHALL BE DONE BY OTHERS.

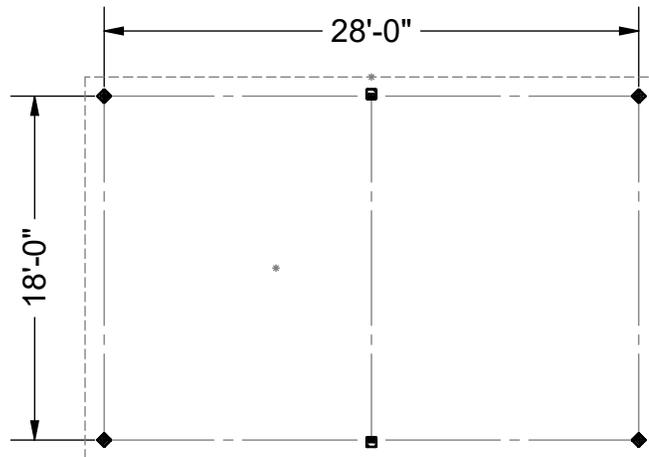


AMERICANA OUTDOORS 2 INDUSTRIAL DR, SALEM IL 62881 (800)851-0865 - www.americana.com		
TITLE: 20'x30' NAVAJO SHELTER		
SIZE A	DWG. NO. N2030T	REV _____
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

PRELIMINARY: NOT FOR CONSTRUCTION

NOTES:

A FOUNDATION DESIGN HAS NOT BEEN PERFORMED BY AMERICANA.
A LICENSED ENGINEER FAMILIAR WITH SOIL CONDITIONS AT CONSTRUCTION
SITE MUST PERFORM A FOUNDATION DESIGN.



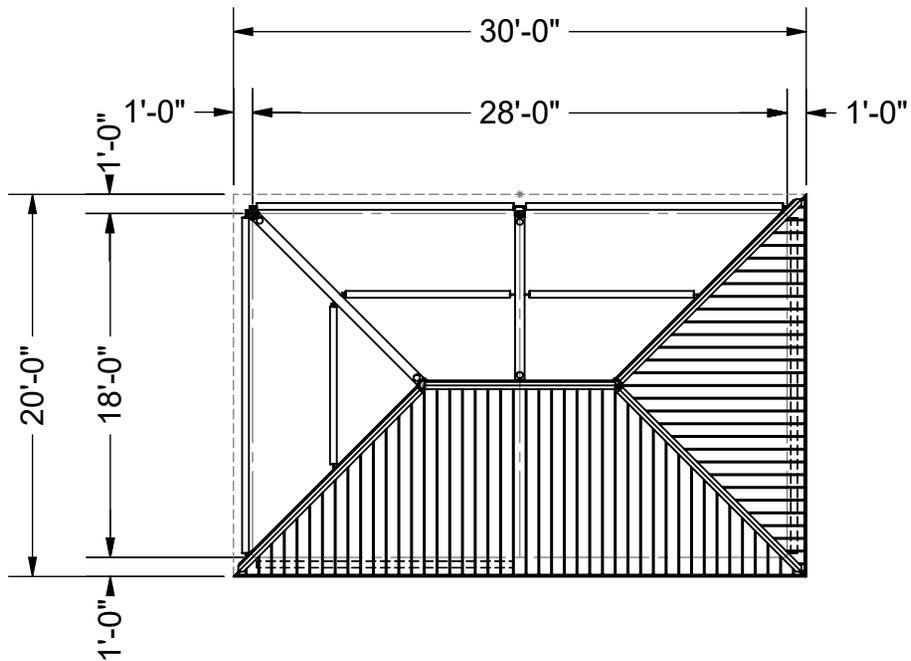
FOUNDATION PLAN

Scale: $\frac{1}{10}'' = 1'-0''$

AMERICANA OUTDOORS
2 INDUSTRIAL DR, SALEM IL 62881
(800)851-0865 - www.americana.com

TITLE: 20'x30'
NAVAJO SHELTER

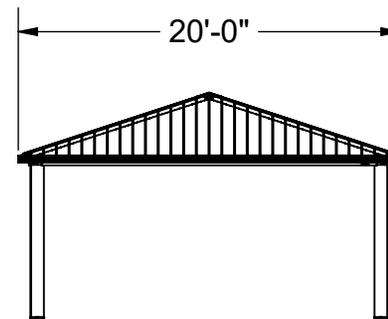
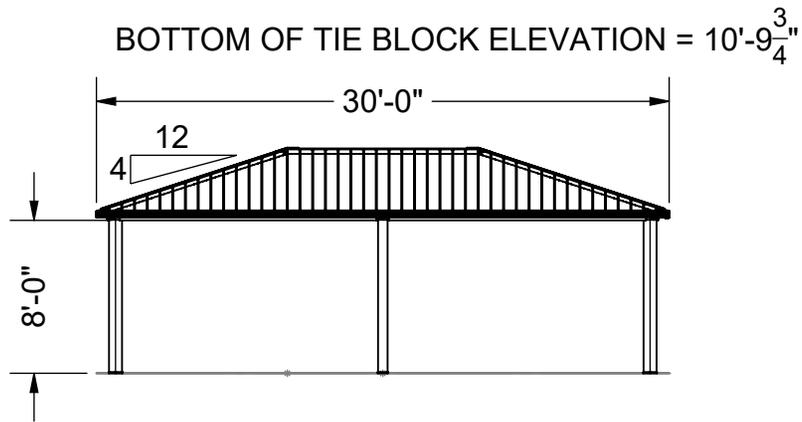
SIZE	DWG. NO.	REV
A		
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1



ROOF PLAN

Scale: $\frac{1}{10}'' = 1'-0''$

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TITLE: 20'x30' NAVAJO SHELTER		
SIZE A	DWG. NO.	REV
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1



ELEVATIONS

Scale: $\frac{1}{10}" = 1'-0"$

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TITLE: 20'x30' NAVAJO SHELTER		
SIZE A	DWG. NO.	REV
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

SECTION 10 70 00 – PROTECTIVE COVERS

PART 1 GENERAL

1.1 SUMMARY

- A. Work in this section includes furnishing and installation of Navajo shelter as manufactured by Americana Outdoors and as indicated on drawings.
- B. Navajo 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 supplied by installer.
 - 2. Top of footings shall be sloped to allow water drainage away from post.

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. Shelter 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 shelter components in protected areas until time of installation.

1.6 WARRANTY

- A. Shelter 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

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

1. Gutter fascia and fascia trim extruded from aluminum alloy 6105-T6.
2. Ridge cap extruded from aluminum alloy 6105-T5.

C. Structure

1. Extruded aluminum tubing is used throughout the shelter and shall be fabricated from aluminum alloy 6063-T6 or 6061-T6. Size to be determined by engineering calculations.
2. Steel plate is used throughout the shelter and shall conform to ASTM A36. Thickness and size to be determined by engineering calculations.

2.3 ACCESSORIES

A. Fasteners

1. High strength bolts conform to ASTM A325. Bolts shall be hot dip galvanized. Sizes vary from ½" to ¾" diameter, to be determined by engineering calculations.
2. #12-24 and #8-18 hex washer head, self-drilling screws shall be stainless steel or coated with zinc.

2.4 FABRICATION

- A. Welding shall conform to the American Welding Society's specification for the material being welded. Welding electrodes shall be E70XX. Welders shall be AWS D1.1 certified with welding inspector on staff.
- B. 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. All steel components are blasted to near-white condition and cleaned with a 3-stage process. Components are sprayed with an alkaline cleaner/phosphatizer, rinsed with ambient water, and a final rinse with a chemical sealer. Components are then coated with anti-graffiti polyester triglycidyl isocyanurate (TGIC) powder and baked/cured at 400° F. This finish meets AAMA 2604-2 specification.

PART 3 EXECUTION**3.1 EXAMINATION**

- A. Examine substrates upon which shelter 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.
- 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 shelter.
- 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