Specifications for Metal Carports to be constructed and anchored at LDWF Woodworth Outdoor Education.

**Location:**

Woodworth Outdoor Education Center

661 Robinson Bridge Road

Woodworth, Louisiana 71485

**Scope of Work:**

Contractor shall furnish all materials, equipment, tools, and labor needed to deliver, assemble, and anchor two (2) metal carports.

**Requirements:**

* Metal carports shall be constructed side by side, set and anchored on a gravel parking area.
* Metal carports shall be twenty-two (22) feet wide by thirty (30) feet long and twelve (12) feet high.
* Metal carports shall have “bow eaves” and to be open ended (no gable).
* Metal carport roofs shall be 3/12 pitch.
* Metal carport #1 shall have nine (9) feet wide by thirty (30) feet long side panel with J-Trim on LEFT side of building.
* Metal carport #2 shall have nine (9) feet wide by thity (30) feet long side panel with J-Trim on RIGHT side of building.
* Metal carports shall have a minimum wind certification of one hundred forty (140) miles per hour.
* Maximum rafter/post spacing shall be five (5) feet.
* Framing members (rafters, legs, and base rails) shall be two and a half (2 ½) inch by two and on half (2 ½), with twelve (12) gauge tube steel.
* End wall columns (posts) shall be equivalent to sidewall posts in size and spacing.
* Roof and side panels shall be twenty-nine (29) gauge galvanized metal panels fastened directly to framing members.
* For roofs and side panels, average fastener spacing on-centers along rafters or hat channels, and columns shall be ten (10) inches maximum.
* Fasteners shall consist of #12, fourteen (14) by three-fourths (3/4) inch self-drilling fastener (SDF) and must use control seal washer with exterior fasteners.
* Four (4) ground anchors (Helix ground anchor or equivalent) shall be installed for each base rail to anchor carports to parking area.
* Additional anchors (#4 Rebar with welded nut, thirty-six (36) inches long) shall be installed through each base rail within six (6) inches of each rafter column along the sides.
* A minimum seven (7) inch long connector sleeve made of minimum twelve (12) gauge shall connect each tube steel column to each tube steel bow rafter. Each connector sleeve shall be secured with eight (8) #12, fourteen (14) by three-fourths (3/4) inch self-drilling fasteners.
* A two (2) foot, eighteen (18) gauge U-channel knee brace (gusset) shall be fastened to each rafter and column. Each brace shall be secured with four (4) #12, fourteen (14) by three-fourths (3/4) inch self-drilling fasteners.
* A six (6) foot, eighteen (18) gauge U-channel brace shall be fastened to each rafter (peak brace) with two (2) #12, fourteen (14) by three-fourths (3/4) inch self-drilling fasteners on each end.
* Each column shall be connected to continuous base rail by a minimum six (6) inch long connector sleeve made of minimum twelve (12) gauge and secured by four (4) #12, fourteen (14) by three-fourths (3/4) inch self-drilling fasteners.
* Color of roof panels, side panels and trim shall be green.

Other Requirements:

* Contractor shall be compliant with the Build America, Buy America Act (BABA), as contained in the Federal Infrastructure Investment and Jobs Act of 2021. A BABA Certification Document is attached to the bid package and shall be submitted with bid. (See Attachment E).
* Contractor shall dispose of all trash.
* Contractor shall pick up all loose screws and metal remains around each carport.
* Work hours shall take place between 8:00am and 4:30pm, Monday through Friday.
* Contractor shall provide a minimum one (1) year workmanship warranty.
* Contractor shall provide a minimum ten (10) year warranty on the twelve (12) gauge tubular frame.