



State of Utah

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ADDENDUM #2

Date: April 11, 2007
To: Contractors
From: Brent Lloyd, Project Manager, DFCM
Reference: Campground Improvements - Antelope Island State Park
Division of Parks & Recreation – Syracuse, Utah
DFCM Project No. 06138510

Subject: **Addendum No. 2**

Pages	Addendum	1	page
	<u>Architect's Addendum & Specs.</u>	<u>5</u>	<u>pages</u>
	Total	6	pages

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

1.1 SCHEDULE CHANGES – There are no project schedule changes per this addendum.

1.2 GENERAL: Poligon Addendum & Specifications.

End of Addendum #1

ADDENDUM #2

TO THE SPECIFICATIONS AND DRAWINGS
OF
Bridger Bay Campground
Antelope Island State Park, Utah

DFCM PROJECT NO: 06138510

This addendum, dated April 10, 2007, is for all contractors preparing for the above mentioned project and shall be part of the contract documents.

This addendum consists of one (1) typewritten page. All changes, corrections, deletions and/or additions to the initial bidding documents enumerated herein shall be included in the bidder's proposal.

In case of any conflict between the drawings, specifications and this addendum, the addendum shall govern.

CLARIFICATIONS TO THE SPECIFICATIONS AND DRAWINGS:

1. The finishes and snow load for the specifications Section 02875 – Main Shelter changed. There is a new specifications (attached) that apply to all of the picnic shelters on the project.

SECTION 02875
SITE AND STREET SHELTERS

PART 1. GENERAL

1.1 SECTION INCLUDES: Prefabricated metal shelter/gazebo/pavilion.

1.2 RELATED SECTIONS

- A. Earthwork, Section 02200.
- B. Cast-In-Place Concrete, Section 03300.

1.3 REFERENCES

- A. American Institute of Steel Construction (AISC)
- B. American Iron and Steel Institute (AISI) Specifications for Cold Formed Members.
- C. American Society of Testing of Materials (ASTM)
- D. American Welding Society (AWS)
- E. OSHA Steel Erection Standard 29 CFR 1926.750 Part R
- F. Steel Structures Painting Council (SSPC-SP10) as outlined in AISC 6.5

1.4 SYSTEM DESCRIPTION

- A. Design Loads: IBC (2006 edition) 30 pounds PSF roof snow load, 43# PSF ground snow load, 100 mile per hour wind speed, exposure "C", seismic zone 4.
- B. Column to footing connection in compliance with OSHA Steel Erection Standard 29 CFR 1926.750 Part R.
- C. Design Method: per applicable building code. Note: Manufacturer to use three-dimensional structural analysis to determine member load and forces.
- D. The pre-engineered package shall be shipped as a pre-cut and pre-fabricated package that shall include the structural frame members, roof material, fasteners, and trim as well as the installation instructions. The structure shall be shipped knocked down for minimum shipping charges. Field labor will be kept to a minimum by pre-manufactured parts. No onsite welding shall be permitted. Connection bolts shall be concealed within the tubing where possible.

1.5 SUBMITTALS

- A. Submit 2 sets shop drawings and 2 sets structural calculations signed and sealed by a Professional Engineer licensed in the State of Utah.
 - B. Structural calculations shall show the following code information: Building Code IBC, 2006 edition, 30 PSF roof snow or live load, 43# PSF ground snow load 100 mph wind speed, seismic zone 4.
- 1.6 QUALITY ASSURANCE: Provide evidence of commitment of quality craftsmanship as demonstrated by the following:
- A. SUPPLIER QUALIFICATIONS:
 - 1. The product shall be designed and produced at a facility owned and directly supervised by the supplier. The product shall be shipped from a single source.
 - 2. The supplier shall have been making steel frame pre-manufactured shelters for a minimum of five years and shall list three similar projects in the territory.
 - 3. Membership in American Institute of Steel Construction.
 - 4. Membership in American Welding Society.
 - 5. Full time on-staff licensed engineer.
 - 6. Full time on-staff quality control manager.
 - 7. Full time on-staff AWS certified welding inspectors.
 - B. CERTIFICATIONS
 - 1. Fabricator approval number from a minimum of two US cities or counties.
 - 2. Welder certificates and AWS welding inspector certificates.
- 1.7 DELIVERY AND STORAGE: Unload materials with necessary equipment (no hand unloading), store covered out of weather, and keep out of direct sun. Inspect parts within 48 hours of delivery, compare with manufacturer's bill of material, and report any missing or non-conforming parts to manufacturer within this time.
- 1.8 WARRANTY: Supply manufacturer's standard five-year warranty.

PART 2. PRODUCTS

2.1 MODEL NUMBER: SQR12MR

2.2 ACCEPTABLE MANUFACTURER

- A. POLIGON, a Division of PorterCorp., Holland, Michigan, (616) 399-1963. Receive pricing from PlaySpace Designs at 801-274-0212.
- B. Substitutions must be approved a minimum of ten (10) days prior to bid. All approved manufacturers shall be notified in writing before the bid date and shall not be allowed to bid without written notification.

- C. Alternate suppliers must meet the qualifications and provide proof of certifications listed under paragraph 1.6.

2.3 MATERIALS

- A. Structural framing: structural steel tube minimum ASTM A500 grade B or cold-formed box sections minimum ASTM A570 grade 55. "I" beams, tapered columns, open channels, or wood products shall not be accepted.
- B. Compression ring: structural channel or welded plate minimum ASTM A36.
- C. Fasteners: ASTM A325 high strength bolts and A563 high strength nuts, ASTM A36 anchor bolts, self-drilling screws, rivets.
- D. Metal roofing: 24-gauge galvalume factory finished with Kynar 500 paint system. Ribs shall be 1-3/16" high, 12 inches on center. Panels shall be three feet wide, and angles shall be factory cut. Ribs shall run with the pitch of the roof for proper drainage. Color shall be selected from the manufacturer's standard color chart.
- E. Metal roofing trim shall match the color of the roof and shall be formed from 26 gauge painted galvalume steel as follows:
 - PANEL END CAPS shall be pre-bent to a "U" shape to fit over ridge end of roof panels. The inside of the "U" shall match the roof color.
 - METAL RIDGE CAPS shall be preformed with a single central bend to match the roof pitch. They shall be hemmed on the sides.
 - ROOF PEAK CAP shall be supplied on all buildings that do not include a cupola.
 - "J" CHANNEL shall be shaped like a "J" with colored metal on the outside wrapped around 20 gauge galvanized steel core. "J" channel shall be applied all along the eave to strengthen and straighten the eave. Both colored metal and galvanized core shall have 7/16" weep holes 6" on center.
 - EAVE SPLICE CHANNELS shall be provided to fit behind "J" channel butt joints to create strength at the joint and maintain a straight eave line.
 - SPECIAL "J" CHANNEL CORNER TRIM shall be provided which fits over the main "J" channel to simplify final detailing of corners.

2.5 FABRICATION

- A. All columns, trusses, beams, compression rings and tension members shall be factory welded assemblies with provisions for bolted connections. There will be no field welding required.
- B. Factory welded connections shall be made by certified welders in accordance with AWS Specifications and be supervised by an AWS certified welding inspector.
- C. Factory frame finish: 'E' coated and powder coated per the following procedure: The steel shall be prepared to specification SSPC – SP10 (shot blasted to near white condition),

removing oil residue, mil scale, weld spatter and slag, then subjected to an 8 stage Zinc Phosphate cleaning process followed by a Cationic Epoxy Electro coat applied with 0.7-1.0 mil thickness, then a 2 -5 mil coating of Super Durable Polyester TGIC powder coat is applied, and cured to accomplish heat fusion. All material shall be inspected to insure 100% coating, intercoat adhesion, proper cure, film thickness and impact resistance. Color to be selected from the manufacturer's standard color chart.

PART 3. EXECUTION

- A. In accordance with OSHA Steel Erection Standard 29 CFR 1926.750 Part R: Anchor bolts shall be inside the column when practical and the structure shall be attached to the top of the concrete using four anchor bolts per column (as specified by the manufacturer). The shelter shall be set on prepared footings or concrete slab to be provided by others. Footing details shall be designed by an engineer (retained by other than the manufacturer), based on load information as provided by the manufacturer. Foundation will be constructed to local codes, and good construction practices for the specific site conditions.

Install according to manufacturer's installation instructions and these specifications. of local paint supplier.

- C. When unloading, pad forks and use other precautions to protect powder coat finish. (Do not use chains or buckets to move materials.) Field handle carefully to avoid scratching powder coat finish. Before installing roof deck, clean steel and touch up scratches and chips in powder coat finish using touch up paint from manufacturer.

END OF SECTION