

# COMPTON ENGINEERING, INC.

ENGINEERING, SURVEYING & ENVIRONMENTAL SERVICES

## TRANSMITTAL

Date: January 3, 2017

Total No. of Pages: 6  
(including this cover)

To: All Planholders

From: James Buras, P.E.  
Project Engineer

Re: Boat Lifts at the Ocean Springs Harbor

Attached herewith is Addendum No. 3 for the above referenced project.

***PLEASE ACKNOWLEDGE YOUR RECEIPT OF THIS ADDENDUM BY COMPLETING THE ACKNOWLEDGEMENT BELOW AND FAXING THIS PAGE ONLY TO (228) 769-9079.***  
Acknowledgement of this addendum on Page 8 of Division 0, Section 00300 Proposal Form is also required.

If you have any questions regarding this addendum, please call me at (228) 762-3970.

## ACKNOWLEDGEMENT FORM

### ADDENDUM NO. 3

### FOR

### BOAT LIFTS AT THE OCEAN SPRINGS HARBOR

TO: Compton Engineering, Inc.  
1706 Convent Avenue  
Pascagoula, MS 39567

Telephone: (228) 762-3970  
Facsimile: (228) 769-9079

We hereby acknowledge receipt of Addendum No. 3 for the above referenced project. We will ensure that Addendum No. 3 is acknowledged in the bid submitted by our company.

Print name of company: \_\_\_\_\_

Print name of person acknowledging receipt of addendum: \_\_\_\_\_

Signature of person acknowledging receipt of addendum: \_\_\_\_\_

Date of acknowledgement: \_\_\_\_\_

PASCAGOULA

BILOXI

BAY ST. LOUIS

**SECTION 00901-03**  
**ADDENDUM NO. 3**

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Date: January 3, 2017

Project: Boat Lifts at the Ocean Springs Harbor	Owner: Mississippi Department of Marine Resources	Engineer's Project No.: 216-015
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The following changes, additions, and/or deletions are hereby made a part of the Project Manual for the Boat Lifts at the Ocean Springs Harbor for the Mississippi Department of Marine Resources dated July 2016 as fully and completely as if the same were fully and completely set forth therein:

**VOLUME 1 – PROJECT MANUAL**

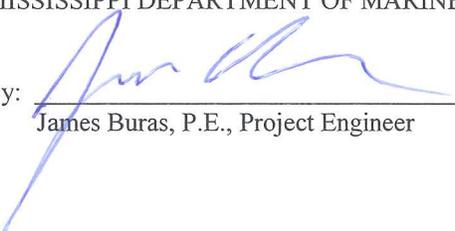
**Part 4 – Technical Specifications**

1. SECTION 06180 GLUED LAMINATED CONSTRUCTION: **REPLACE** this section in its entirety with **Attachment No. 1 to Addendum No. 3**. **NOTABLE CHANGE**: In Paragraph 2.2.1, the second sentence, "Treat lumber prior to gluing" has been deleted.

All bidders shall acknowledge receipt and acceptance of this Addendum No. 3 consisting of one (1) page plus attachment by signing the acknowledgement form preceding this addendum and also acknowledging the addendum on Page 8 of Division 0, Section 00300 Proposal Form. Bids submitted without acknowledging receipt of the addendum may be considered non-responsive.

Sincerely,

MISSISSIPPI DEPARTMENT OF MARINE RESOURCES

By:   
James Buras, P.E., Project Engineer

**SECTION 06180**  
**GLUED LAMINATED CONSTRUCTION**

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**1.0 GENERAL**

**1.1 RELATED WORK SPECIFICATIONS**

1.1.1 Rough Carpentry: Section 06100.

1.2 Treated Timber and Lumber: Section 06135.

1.2.1 Submittals During Construction: Section 02004.

**1.3 REFERENCES**

1.3.1 ANSI/AITC A 190.1: American National Standard for Wood Products - Structural Glued Laminated Timber by American National Standards Institute, Inc.

1.3.2 ASTM D 2559: Standard Specification for Adhesives for Structural Laminated Wood Products for Use Under Exterior (Wet Use) Exposure Conditions.

1.3.3 User Specification for Treated Wood, American Wood Protection Association Standard (AWPA) U1-02.

1.3.4 AWS D1.1: Structural Welding Code-Steel by the American Welding Society.

1.3.5 AITC 105: Recommended Practice for the Erection of Structural Timber Framing by the American Institute of Timber Construction.

**1.4 SUBMITTALS**

1.4.1 Shop Drawings: Machine-duplicated copies of Contract Drawings will not be accepted as shop drawings. Shop drawings shall be standard 22 by 36 inch size sheets, except that erection drawings may be larger. The margin line shall be drawn a minimum of 1/2 inch from edge of sheet. The title block shall be placed in the lower right hand corner of the drawing, and shall contain the manufacturer's name and address. Shop drawings shall be prepared by the manufacturer. Failure to submit legible drawings of required size will be cause for their disapproval without review.

1. Early Submission: Include the following:
  - a. Drawings of proposed job standards for shop and field connections.
  - b. Erection drawings indicating sizes and locations of all members.
  - c. Anchor bolt and bearing plate plans.
2. Submit detail drawings, other than for anchor bolts and bearing plates, after approval of the job standards and the erection drawings.
3. Indicate shop and field welds by Standard AWS Welding Symbols in accordance with AWS A2.4.
4. When shop drawings are marked "Approved as Noted", promptly resubmit copies of corrected shop drawings for formal approval and record.

1.4.2 Product Data: Manufacturer's catalog sheets, specifications, storage instructions, and installation instructions for glued laminated members, metal connectors, and bolts.

## ATTACHMENT NO. 1 TO ADDENDUM NO. 3

### 1.4.3 Samples:

1. Typical Laminated Member: Full depth x 12 inch long pieces, dressed.
2. Factory Finish: On specified wood, 4 x 8 inch sample of stained finish specified.

### 1.4.4 Quality Control Submittals:

1. Certificates: Affidavits required under Quality Assurance Article.
2. Manufacturer's Qualifications Data:
  - a. Name and address of proposed manufacturer.
  - b. Evidence that the proposed manufacturer meets the requirements of the Quality Assurance Article.
3. Erector's Qualifications Data:
  - a. Name of proposed Supervisor who will be supervising the erection.
  - b. Employer's name, business address, and telephone number.
  - c. Names and addresses of the required number of similar projects that the Supervisor has worked on which meet the experience criteria.

## 1.5 QUALITY ASSURANCE

1.5.1 Manufacturer's Qualifications: The manufacturer shall be an AITC licensed firm, qualified to issue the AITC "Quality Inspected" mark.

1.5.2 Erector's Qualifications: The Supervisor for the erection of the structural glued laminated members shall be personally experienced in erecting structural glued laminated members and shall have worked on 5 similar projects during the past 3 years.

### 1.5.3 Certifications:

1. Furnish manufacturer's certification that the glued laminated members conform to the requirements of ANSI/AITC A 190.1.
2. Furnish treating plant's certification that exterior members have been pressure preservative treated in accordance with specified standards.

1.5.4 Quality Marks: Mark each member with a "Quality Inspected" mark indicating conformance with ANSI/AITC A 190.1. Place mark on member surface which will not be exposed in the completed Work.

## 1.6 DELIVERY, STORAGE, AND HANDLING

1.6.1 Maintain factory applied protective covering in the weather-tight condition or provide other weather-tight protection until the building is enclosed to the extent necessary to protect interior glued laminated members.

1.6.2 Do not use clear polyethylene film weather covering directly over exposed wood surfaces.

1.6.3 Do not store glued laminated members where the manufacturer's recommended humidity levels will be exceeded.

**2.0 PRODUCTS**

**2.1 MATERIALS**

**2.1.1 Lumber: Comply with ANSI/AITC A 190.1.**

1. Species: Southern Pine
2. Laminating Combinations: Comply with ANSI/AITC A 190.1 and the following allowable design values:
  - a. Allowable bending stress (Fb): 2400 psi
  - b. Allowable axial tensile stress (Ft): 1450 psi
  - c. Compression parallel to grain (Fc): 1850 psi
  - d. Compression perpendicular to grain top (Fc<sup>⊥</sup>): 740 psi
  - e. Compression perpendicular to grain bottom (Fc<sup>⊥</sup>): 740 psi
  - f. Allowable stress shear (Fv): 300 psi
  - g. Modulus of elasticity (E): 1.8 X 10<sup>6</sup> psi
3. Condition of Use:
  - a. Dry condition of service (when the moisture content of the member will be at or below 16 percent in service).
4. Appearance:
  - a. ~~Industrial Grade.~~
  - b. Architectural Grade.
  - c. ~~Premium Grade.~~
5. Adhesive: ASTM D 2559, wet-use adhesive.

**2.1.2 Metal Connectors: ASTM A 36 structural steel.**

1. Connectors exposed to treated wood shall be Hot-Dip galvanized conforming to ASTM Standard A653; Class G-185 and epoxy coated.

**2.1.3 Common Bolts: ASTM A 307 Timbe Bolts with Ogee Washers.**

1. Bolts exposed to treated wood shall be Hot-Dip galvanized conforming to ASTM Standard A653; Class G-185.

**2.2 PRESSURE PRESERVATIVE TREATMENT**

**2.2.1 Comply with AWPA U1 Standards.**

1. Pressure Preservative treat exterior members.

**2.3 FABRICATION**

**2.3.1 Glued Laminated Members: Fabricate in accordance with ANSI/AITC 190.1 to the sizes and shapes indicated on the Drawings.**

1. Finish: Factory finish all surfaces of glued laminated members with manufacturer's standard penetrating acrylic stain and sealers.
  - a. Color: As selected by the Director from the manufacturer's standard colors.

### ATTACHMENT NO. 1 TO ADDENDUM NO. 3

- 2.3.2 Metal Connectors: Form and weld into shapes indicated. Welding shall comply with the AWS Code.
1. Finish: Thoroughly clean all surfaces of metal. Remove oil, grease, and similar contaminants in accordance with SSPC SP-1 "Solvent Cleaning". Remove loose mill scale, loose rust, weld slag and spatter, and other detrimental material in accordance with SSPC SP-2 "Hand Tool Cleaning", SSPC SP-3 "Power Tool Cleaning", or SSPC SP-7 "Brush-Off Blast Cleaning". Paint prepared units with rust inhibitive primer. Provide 5.0 mil wet film thickness.
- 2.4 FACTORY APPLIED PROTECTION
- 2.4.1 Protect glued laminated members before shipping by wrapping each member with factory applied, durable, water resistant, plastic coated paper covering, with water resistant seams.
1. Bundle-wrap small members of uniform size, with protective slip sheets between members.

### **3.0 EXECUTION**

#### **3.1 ERECTION**

- 3.1.1 Comply with AITC 105 except as shown or specified otherwise. Install glued laminated units in designated positions indicated on the Drawings.
- 3.1.2 Do not cut glued laminated members during erection except for fastener drilling or other approved minor cutting. Field coat cut surfaces with stain and sealer materials used at manufacturing plant.
1. Preservative Treated Members: Apply heavy brush coat of same treatment material to cut surfaces; Comply with AWPA C 28.
- 3.1.3 Temporarily support members with protective slings and blocking to prevent damage to surfaces visible after erection.
- 3.1.4 Do not remove protective wrappings or coverings from members until glued laminated units are protected from the weather and from damage or defacement from activities of other trades. Retain wrappings as shields from defacement by painting, and similar operations.

#### **4.0 PAYMENT**

- 4.1 Payment for work performed in this section will be included in the lump sum or unit price bid to which it is subsidiary.