

SECTION 06200 - ARCHITECTURAL CARPENTRY AND ASSOCIATED WORK

PART 1 - GENERAL

1.01 RELATED DOCUMENTS: The general provisions of the Contract, including General and Supplementary Conditions, and all Division 1 sections of the Specifications apply to the work specified in this section.

1.02 RELATED WORK

09910 – HISTORIC PAINTING

1.03 DESCRIPTION OF WORK

- A. Repair of tower woodwork.
- B. Repair of shutters located in Emerson basement
- C. Epoxy consolidation and filling at woodwork.
- D. Dutchman and repairs to woodwork.
- E. Provide staging or aerial lift for all other trades.
- F. All work not specified in other sections.

1.04 SUBMITTALS

- A. Submit for approval product data and samples of each molding and separate component.

1.05 REFERENCES

- A. Comply with requirements of the following sections as herein specified.

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1. All work shall be done in strict accordance with the recommendations set forth in the *Secretary of the Interior's Standards for the Treatment of Historic Buildings*.

1.06 QUALITY ASSURANCE

- A. Restoration Specialist: Work must be performed by a firm having not less than 5 years successful experiences in comparable wood restoration projects and employing personnel skilled in the restoration processes and operations indicated.

PART 2 - PRODUCTS

2.01 FRAMING AND BLOCKING

- A. All framing and blocking shall be pressure-treated (.025 lb./CF CCA) unless otherwise noted on drawings. Pressure-treated lumber shall be kiln-dried after treatment (KDAT) to 15% or less.
- B. All framing lumber shall be #1 pressure-treated southern pine.

2.02 MISCELLANEOUS STEEL

- A. All miscellaneous steel shall be A36 hot-dipped galvanized after fabrication.
- B. Touch up all damaged galvanized surfaces with ZRC Cold Galvanizing Compound by ZRC chemical Products Company.
- C. All bolts and threaded rods shall be hot-dipped galvanized conforming to A153 and A385.

2.03 WOOD

- A. All exposed wood: "C" and better Honduras Mahogany for all trim. "C" and better Western Red Cedar for all clapboards.
- B. All wood shall be certified kiln-dried to 15% or less KDAT when treated.

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- C. Plywood Spire Roof Sheathing: BC Pressure Treated Douglas Fir Marine plywood for spire replacement.

2.04 WOOD CONSOLIDANT AND EPOXY FILLER

- A. Wood Consolidant: "Liquid Wood" as manufactured by Abatron, Inc., 33 Center Driver, Gilberts, IL 60136 or approved products by Gougeon (West Systems) or Adhesive Engineering, Inc.
- B. Epoxy Filler: "Wood Epoxy" as manufactured by Abatron, Inc. as above or approved products by Gougeon (West Systems) or Adhesive Engineering Inc. Fillers or modifiers shall be by epoxy manufacturer. Structural Adhesive Putty shall be of same manufacturer as wood consolidant.

2.05 ACCESSORIES AND MISCELLANEOUS

- A. All exposed nails shall stainless steel finish nails. Concealed nails shall be stainless steel common.
- B. All screws, bolts and miscellaneous rough hardware shall be hot-dipped galvanized except that copper or brass nails shall be used with copper flashing.
- C. Sealant: Polyurethane by Sika or Tremco with closed cell backer rod at all joints between wood.

PART 3 - EXECUTION

- 3.01 Construct all carpentry work plumb, level and true with tight, close fitting joints, securely fastened and braced to surrounding construction. Anchor and fasten in accordance with drawings and recognized standards. Countersink nail heads on exposed wood.
- 3.02 Millwork shall conform to custom grade standards of the American Woodworking Institute.
- 3.03 All millwork shall match existing profiles unless otherwise directed.

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- 3.04 Provide wood furring and blocking as shown on drawings. Such furring and blocking is the minimum required. Provide additional furring and blocking as necessary to complete the work.

- 3.05 When specific carpentry details have not been shown, comply with the Massachusetts Building Code or specific industry standards.

END OF SECTION 06000