

SECTION 06 10 63

EXTERIOR ROUGH CARPENTRY

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Remove and replace existing wood beams supporting first floor framing.
 - 2. Remove and replace plywood soffit panels.
- B. Related Sections:
 - 1. Section 02 01 11 - Shoring

1.2 REFERENCES

- A. Reference Standards: All standards listed below form a part of this specification to extent referenced.
 - 1. American Wood-Preservers Association (AWPA)
 - a. M4-08: Standard for the Care of Preservative-Treated Wood Products
 - 2. American Plywood Association (APA)

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.
 - 1. For preservative-treated wood products. Include chemical treatment manufacturer's written instructions for handling, storing, installing, and finishing treated material.
 - 2. Evaluation Reports: For preservative-treated wood products, from ICC-ES.
 - 3. Certificates of Inspection: Issued by lumber grading agency for exposed wood products not marked with grade stamp.
- B. Shop Drawings: Show fabrication and installation details for beams and plywood.

1.4 QUALITY ASSURANCE

- A. All dimension lumber and engineered wood products shall bear a legible grade stamp of a certified lumber grading agency.
- B. Each piece or bundle of treated wood products shall bear a legible third-party quality mark or tag indicating the name of the treater, date of treatment or lot number, and the American Wood Preservers' Association (AWPA) Specification symbol to which the treatment conforms.
- C. Unless noted otherwise, all rough carpentry work shall conform to the conventional framing rules of the applicable building code.
- D. Comply with applicable provisions of the referenced specifications.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store materials to permit easy access for inspection and identification. Keep steel members off ground and spaced by using pallets, dunnage, or other supports and spacers. Protect members from erosion, cuts, breaks, abrasion, and deterioration.
 - 1. Do not store materials on structure in a manner that might cause distortion, damage, or overload to members or supporting structures. Repair or replace damaged materials or structures as directed.

PART 2 PRODUCTS

2.1 DIMENSION LUMBER

- A. Dimension lumber (2 inches to 4 inches thick, 2 inches and wider): No. 2 Grade Southern Pine, visually graded according to the published grading rules of the Southern Pine Inspection Bureau. Unless otherwise noted, dimension lumber shall be kiln dried to 15 percent moisture content, surfaced S4S and preservative treated as specified below.
 - 1. Beam Replacement: Dressed, dry thickness shall be 3 inches. Dressed, dry width shall be 12 inches. If using nominal 3-1/2 × 12, place cut face against existing floor framing.
- B. Plywood: APA PRP-108; provide panels of nominal thickness shown on Drawings. Each panel factory marked with performance ratings.
 - 1. Soffit Panel Replacement: APA Rated B-B Marine Grade.

2.2 ACCESSORIES

- A. Fasteners: All fasteners in exterior or treated wood shall be stainless steel, or shall have an approved corrosion resistant coating.
- B. Bolts, nuts, and washers: ASTM F593, Grade 304 stainless steel, unless otherwise noted. Use hex nuts and flat washers on both sides of connection.
 - 1. Approved manufacturer:
 - a. Portland Bolt Manufacturing, Inc. (Portland, OR)
- C. Connectors: Type 316 Stainless Steel, unless otherwise noted. Use the following or approved equal. Fasten per manufacturer's instructions, unless otherwise noted on Drawings.
 - 1. Hurricane ties: H8SS manufactured by Simpson Strong-Tie Company, Inc.
 - 2. Beam hanger: LUS210-2SS manufactured by Simpson Strong-Tie Company, Inc.
 - 3. Stringer angles: A35SS manufactured by Simpson Strong-Tie Company, Inc.
 - 4. Joist hanger: LUS26SS manufactured by Simpson Strong-Tie Company, Inc.

2.3 PRESERVATIVE TREATMENT

- A. Treat all rough carpentry unless otherwise indicated.
- B. Preservative Treatment Requirements: AWPA U1 and T1.
 - 1. User Category: UC4B
 - 2. Commodity Specification:
 - a. Dimension lumber: A.
 - b. Plywood and OSB panels: F.

3. Preservative Treatment: Water-borne or Oxine Copper (Cu8); acceptable to authorities having jurisdiction.
 - a. For exposed wood indicated to receive stained or natural finish, use preservative that does not require incising, contain colorants, bleed through, or otherwise adversely affect finishes.
- C. Kiln-dry material after treatment to maximum moisture content of 19 percent for lumber and 15 percent for plywood and OSB. Do not use material that is warped or does not comply with requirements for untreated material.
- D. Mark each treated item with treatment mark of inspection agency approved by ALSC Board of Review or APA.
 - a. For exposed lumber or panels indicated to receive stained or natural finish, mark treatment stamp on end or back of each piece, or omit grade stamp and provide certificates of grade compliance issued by grading agency.

2.4 FIELD-APPLIED WOOD PRESERVATIVE

- A. Field-Applied Wood Preservative: Treat field cuts, holes, and other penetrations according to AWP4 M4; Copper-Napthenate (CuN), two percent minimum solids solution.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Survey existing conditions and correlate with requirements to determine extent replacement Work required.
- B. Examine substrates and conditions for compliance with requirements and other conditions affecting installation or performance of rough carpentry Work.
 1. Ensure that work done by other trades is complete and ready for rough carpentry Work.
 2. Verify that areas and conditions under which rough carpentry Work is to be performed permit proper and timely completion of Work.
 3. Notify Owner and Engineer in writing of conditions which may adversely affect installation or performance of rough carpentry Work and recommend corrections.
 4. Do not proceed with rough carpentry Work until adverse conditions have been corrected and reviewed by Engineer.

3.2 PROTECTION

- A. Take precautions to ensure safety of people, including building users, passers-by, and workmen, and animals; and protection of property, including adjacent building elements, landscaping, and motor vehicles.
- B. Prevent construction debris and other materials from coming into contact with pedestrians, motor vehicles, landscaping, buildings, and other surfaces that could be harmed by such contact.
- C. Protect paving and sidewalk, and adjacent building areas from mechanical damage due to scaffolding and other equipment.
- D. Limit access to Work areas.

- E. Erect temporary protective canopies, as necessary, over walkways and at points of pedestrian and vehicular access that must remain in service during Work.
- F. Assume responsibility for injury to persons or damage to property due to Work, and remedy at no cost to Owner.

3.3 INSTALLATION

- A. Sort and select lumber so that natural characteristics do not interfere with installation or with fastening other materials to lumber. Discard units of material with defects, which might impair quality of work, and units which are too small to use in fabricating work with minimum joints or optimum joint arrangement.
- B. Accurately measure or scribe members before cutting. Make all cuts clean and true to mating surfaces. All lumber and timber shall be accurately cut and framed to a close fit so that the joints will have even bearing over the entire contact surface.
- C. Apply copper naphthenate field treatment to comply with AWWA M4, to cut and drilled surfaces of preservative-treated lumber.
- D. Set work to required levels and lines, with members plumb, true to line, cut, and fitted. Fit work to other construction; scribe and cope as needed for accurate fit.
- E. Do not splice structural members between supports unless otherwise indicated.
- F. Securely attach carpentry work to substrate by anchoring and fastening as shown and as required by recognized standards. Comply with AF&PA WCD1 unless otherwise indicated.
- G. Install fasteners by pre-drilling to avoid splitting wood; do not countersink nail heads unless otherwise indicated.
- H. Install metal framing anchors to comply with manufacturer's written instructions.

3.4 CLEANING AND PROTECTION

- A. Clean adjacent surfaces and structures of dust, dirt, and debris. Return to condition existing before Work began.

END OF SECTION