

SECTION 06071

PRESSURE-TREATED WOOD PRODUCTS



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## PART 1 GENERAL

### 1.1 SECTION INCLUDES

- A. Preservative treatment of lumber and plywood.

### 1.2 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry.
- B. Section 06200 - Finish Carpentry.

### 1.3 REFERENCES

- A. APA C1 – All Timber Products – Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- B. AWPA C2 – Lumber and Timber for Salt Water Use Only - Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- C. AWPA C3 – Piles – Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- D. AWPC C4 – Poles – Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- E. AWPA C9 – Plywood – Preservative Treatment by Pressure Processes; American Wood-Preservers Association.
- F. AWPA C14 – Wood For Highway Construction – Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- G. AWPA C16 – Wood used on farms – Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- H. AWPA C22 – Lumber and Plywood for Permanent Wood Foundations – Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- I. AWPA C23 – Round Poles and Posts Used in Building Construction; Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.

SECTION 06071

PRESSURE-TREATED WOOD PRODUCTS



- J. AWPA C24 – Sawn Timber Used to Support Residential and Commercial Structures; American Wood-Preservers' Association.
- K. AWPA C25 – Sawn Crossarms
- L. AWPA C28 – Standard for Pressure Treatment by Pressure Processes of Structural Glued Laminated Members and Laminations Before Gluing; American Wood-Preservers' Association.
- M. AWPA C33 – Standard for Preservative Treatment of Structural Composite Lumber by Pressure Processes; American Wood-Preservers' Association.
- N. AWPA C34 – Shakes and Shingles - Preservative Treatment by Pressure Processes; American Wood-Preservers' Association.
- O. AWPA P5 – Waterborne Preservatives; American Wood-Preservers' Association.
- P. AWPA M4 – Standard for the Care of Preservative Treated Wood Products; American Wood-Preservers' Association.
- Q. ASTM A 153/A 153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; American Society for Testing and Materials.
- R. NFPA Permanent Wood Foundation System: Design, Fabrication, Installation Manual; National Forest Products Association, 1987 (American Forest and Paper Association, AF&PA).
- S. NFPA Permanent Wood Foundation System: Basic Requirements, 1992 revisions to Technical Report No.7; (American Forest and Paper Association, AF&PA).
- T. Permanent Wood Foundations, Design and Construction Guide, Southern Pine Council. Publication #400.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Treating plant's instructions for use, including requirements for storage, cutting, and finishing.
- C. Preservative Treatment Certification: Treating plant's certification of compliance with specified standards, process employed, and preservative retention values.

SECTION 06071

PRESSURE-TREATED WOOD PRODUCTS



1.5 DELIVERY, STORAGE, AND HANDLING

- A. Protect wood products against moisture and dimensional changes, in accordance with instructions from treating plant.

1.6 WARRANTY

- A. Manufacturer's Warranty: Provide manufacturer's standard lifetime warranty for pressure treated wood.

## PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Provide wood treatment by or under license from Chemical Specialties, Inc., One Woodlawn Green, Suite 250, 200 E. Woodlawn Road, Charlotte, NC 28217. ASD. Tel: (800) 421-8661.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- C. Substitutions: Not permitted.

2.2 MATERIALS

- A. Structural Plywood: As specified in Section 06100.
- B. Finish Lumber and Plywood: As specified in Section 06200.
- C. Fasteners: For treated wood and where wood is in ground contact, subject to high relative humidity, or exposed to weather, provide steel fasteners with hot-dip zinc coating per ASTM A 153/A 153M.

2.3 PRESSURE TREATMENT OF WOOD

- A. Preservative Treatment for Above Ground Use:
  - 1. Treatment: SupaTimber(R).
  - 2. Use 0.25 lb/cu ft (4.0 kg/cu m) retention.
  - 3. Kiln dry after treatment to 19 percent maximum moisture content for lumber and 18 percent for plywood.
  - 4. Treat wood in the following locations:

SECTION 06071

PRESSURE-TREATED WOOD PRODUCTS



- a. In contact with roofing, flashing, or waterproofing.
  - b. In contact with masonry or concrete.
  - c. Within 18 inches (450 mm) of grade.
  - d. Exposed to weather.
  - e. Other locations indicated.
5. Treatment: SupaTimber(R).
  6. Use 0.40 lb/cu ft (6.4 kg/cu m) retention.
  7. Kiln dry after treatment to 19 percent maximum moisture content for lumber and 18 percent for plywood.
  8. Treat wood in the following locations:
    - a. In contact with ground.
    - b. In contact with fresh water.
    - c. Used as posts, landscaping timbers, retaining walls, piers, or docks.
- B. Preservative Treatment for Wood Foundation Systems:
1. Pressure-treat softwood lumber, timber, and plywood for wood foundation systems with waterborne preservatives to comply with AWPA C22-96.
  2. Treatment: SupaTimber®.
  3. Use 0.60 lb/cu ft (9.6 kg/cu m) retention.

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Sheathing: Comply with installation requirements in Section 06100.
- B. Millwork and Trim: Comply with installation requirements in Section 06200.
- C. Wood Foundation System: Install in accordance with the following:
  1. NFPA "Permanent Wood Foundation System."
  2. NFPA Technical Report No. 7.
  3. APA Form A400.

END OF SECTION