

SECTION 06071- PRESSURE TREATED WOOD

GENERAL

1.1 SECTION INCLUDES

- A. Pressure preservative treatment for wood products specified elsewhere; provide preservative treated wood for the following applications:
 - 1. Joists and subflooring.

1.2 RELATED SECTIONS

- A. **Section 06100 - Rough Carpentry: Additional product requirements for wood to be treated.**
- B. **Section 06171 - Wood Chord Metal Joists: Additional product requirements for wood to be treated.**
- C. **Section 06176 - Plywood Web Joists: Additional product requirements for wood to be treated.**

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Manufacturer qualifications, as specified.
- C. Certificate: Certification by manufacturer that wood treatment applied complies with specification requirements.
- D. Warranty.

1.4 QUALITY ASSURANCE

- A. Treated Wood Manufacturer Qualifications: Experienced wood treatment firm, specialized in treatment of wood similar to that required for project, licensed by preservative manufacturer, and able to submit test reports showing successful treatment to retention level specified and evidence of ongoing independent third party inspection for products specified.

1.5 DELIVERY, STORAGE & HANDLING

- A. Prevent exposure to precipitation during shipping, storage or installation.
- B. Store material off ground and under cover.
- C. Allow materials exposed to incidental moisture to dry thoroughly prior to covering with vapor or moisture retarding finish materials.

1.6 WARRANTY

- A. Manufacturer's Warranty: Provide manufacturer's 20-year residential limited warranty against structural damage due to termites, carpenter ants, and fungal decay. Furnish warranty document executed by authorized company official. This warranty is in addition to, and not a limitation of, other rights Owner may have under Contract Documents.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Obtain all preservative treated wood products from single source.
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 MATERIALS

- A. Preservative Treated Wood:
 - 1. Species and Grades: As specified in Section 06100.
 - 2. Lumber Species: Douglas Fir, Hem-Fir, Southern Pine or Spruce-Pine-Fir.
 - 3. Plywood Species: Southern Yellow Pine or Douglas Fir.
 - 4. Preservative Treatment: Borate; AWP A P5 SBX (inorganic boron); disodium octaborate tetrahydrate (DOT) treatment for insect and decay protective pressure treatment of wood; EPA-registered; Tim-bor(tm) Industrial.
 - 5. Preservative Treatment for Sill Plates: AWP A P5 CCA, chromated copper arsenate.
 - 6. Structural Lumber: Comply with AWP A C31; dried after treatment to maximum 19 percent moisture content.
 - 7. Plywood: Comply with AWP A C9; dried after treatment to maximum 18 percent moisture content.
 - 8. Treatment Level: Provide retention level recommended by manufacturer to provide protection against North American subterranean termites, decay and insects; 0.25 pcf (4 kg/cu m) DOT retention, 0.17 pcf (2.7 kg/cu m) minimum borate retention.
 - 9. Treatment Level: Provide retention level recommended by manufacturer to provide protection against North American subterranean termites, decay and insects, and Formosan termites; 0.42 pcf (6.7 kg/cu m) DOT retention, 0.28 pcf (4.5 kg/cu m) minimum borate retention.
 - 10. Bearing the wood treatment plant's permanent ink stamp quality mark, indicating:
 - a. Manufacturer's name.
 - b. Treatment plant name.
 - c. Identification of independent inspection agency.
 - d. Identification of preservative used, preservative retention level, and date of treatment.
 - e. Applicable treatment standard, wood species, and limitations on use, if any.
- B. Preservative for Field Application to Cut Surfaces of Spruce-Pine-Fir (SPF) and Douglas Fir (DF): Preservative solution approved by preservative treated wood manufacturer for application; one of the following:
 - 1. Tim-bor brand disodium octaborate tetrahydrate (DOT), 10 percent solution.
 - 2. Copper naphthenate, 2 percent solution, copper metal basis.
 - 3. Other preservative approved by preservative treated wood manufacturer.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Comply with requirements of other sections governing products made of wood, applicable codes, and manufacturer's installation instructions.
 - 1. Use member sizes and grades as specified.
 - 2. Comply with manufacturer's safety recommendations.
 - 3. Avoid milling operations that could adversely affect preservative characteristics.
 - 4. Spruce-Pine-Fir (SPF) and Douglas Fir (DF): Prior to installation, treat cut ends and other machined surfaces with specified field applied preservative.
- B. Provide ventilation of building cavities as required by code.

- C. Install using fasteners required by applicable code for use with untreated lumber and plywood.

3.2 PROTECTION

- A. Protect from damage during construction.
- B. Protect from moisture prior to installation of finishes.

END OF SECTION