***NOTE TO CONSULTANT*: Edit portions of this specification section to be used for insertion into Section 06 10 00 - Rough Carpentry for Site Work to include preservative treated wood. (Delete this note).**

PART 1 - GENERAL

1.01 REFERENCES:

A. American Wood-Preservers' Association (AWPA):

1. Standard C1, All Timber Products – Preservative Treatment by Pressure Process.
2. Standard C2, Lumber, Timbers, Bridge Ties and Mine Ties.
3. Standard C9, Plywood.
4. Standard P5, Waterborne Preservatives.
5. Standard E13, Standard Method of Testing to Determine Water Repellents in Pressure Treated Lumber.
6. Standard M4, Care of Preservative - Treated Wood Products.
7. Standard U1, Use Category System

B. National Institute of Standards and Technology (NIST):

1. PS 1, U.S. Product Standard for Construction and Industrial Plywood.
2. PS 20, American Softwood Lumber Standard.

1.02 QUALITY ASSURANCE:

A. Qualifications:

1. Treatment Facility: Provide treated materials that have been produced under quality assurance program conducted by an ALSC - recognized agency.

1.03 DELIVERY, STORAGE, AND HANDLING:

(If drying after treatment is selected in part 2, retain the two paragraphs below.)

A. Packing and Shipping:

1. Provide waterproof covers for preservative treated wood during shipment.

B. Storage and Protection:

1. Store preservative treated wood off the ground and protected from the weather.

PART 2 - PRODUCTS

2.01 MANUFACTURERS:

A. Preservative: Wolman E Copper Azole; Arch Treatment Technologies, Inc.

(Retain below if water repellent is required.)

B. Water Repellent: Wolman WE water repellent; Arch Treatment Technologies, Inc.

2.02 MATERIALS:

(Lumber for preservative treatment must conform to the following specifications. Select grade and species below. Other species are acceptable for some applications, contact Arch or review code evaluation reports for more information. Not all species are readily available in all areas of the country.)

A. Lumber: In accordance with NIST PS 20 and as follows:

1. Grade: No. 1
1 Grade: No. 2
1. Grade: No. 1 Dense.
1. Grade: No. 2 Dense.
1 Grade: Select Structural.
1. Grade: Standard.
1. Grade: Premium.
2. Species: Southern pine.
2. Species: Red pine.
2. Species: Ponderosa pine.
2. Species: Hem-fir.
2. Species: Douglas fir.
2 Species: Western Hemlock.
2. Species: Eastern White Pine.
2. Species: Radiata Pine
2. Species: Caribbean Pine
3. Surfacing: S4S.
3. Surfacing: S1S2E.
3. Surfacing: Rough.

(Plywood for preservative treatment must conform to the following specifications. Select panel grade, exposure durability, species group, and structural rating from below)

B. Plywood: In accordance with NIST PS 1 and as follows:

1. Panel Grade: A-C.
1. Panel Grade: B-C.
1. Panel Grade: C-C.
1. Panel Grade: C-D.
2. Exposure Durability: Exterior.
2. Exposure Durability: Exposure 1.
3. Southern pine face veneers, Group 1 or 2 - no hardwood core veneers
3. Douglas fir face veneers, Group 1 or 2 - no hardwood core veneers
4. APA Structural Rating: Structural I.

4. APA Structural Rating: Structural II.

C. Preservative: Copper Azole in accordance with AWPA Standard P5.

2.03 PRESERVATIVE TREATMENT:

(Select required end uses below.)

A. Pressure Treatment: In accordance with the requirements of AWPA Standard C1 and in accordance with the following standards for indicated end uses:

1. Lumber: C2.
2. Plywood: C9.

(Select required applications below.)

B. Minimum Preservative Retention: In accordance with the specified standard, determined in the specified zone, for the following applications:

1. Above Ground.
2. Ground or Fresh Water Contact.
3. Structural Posts and Poles (Sawn or Round).

C. Moisture Content: Drying after treatment is not required.

(Select Above or Below)

C. Moisture Content: Dry after treatment as follows:

1. Lumber: 19%, maximum.
2. Plywood: 18%, maximum.

(Retain below if water repellent is required.)

2.04 WATER REPELLENT TREATMENT:

A. Factory water repellent applied with preservative treatment.

2.05 SOURCE QUALITY CONTROL:

A. Inspection:

1. Untreated Material:
   a. Lumber: Provide lumber that has been inspected and graded by an ALSC recognized grading agency.
   b. Plywood: Provide plywood that has been inspected and graded before treatment by a code-recognized inspection and testing agency.

2. Treated Material: Provide treated material that bears the Natural Select trademark and the quality mark of an ALSC-recognized agency which maintains supervision, testing, and inspection of the quality of the product. Quality marks shall be affixed to each piece and include the following:
   a. Identification of the inspection agency.
   b. Identification of the standard to which the material was treated.
   c. Identification of the treating facility.
   d. Identification of the preservative and retention.
   e. Identification of the end use for which the product is suitable.

PART3 - EXECUTION

3.01 INSTALLATION:

(Below is not generally required for pine species less than 6 inches thick. No other special installation specifications are required for preservative treated wood.)

A. Surface Treatment of Field Cuts: Treat all field cuts on members that provide structural support to a permanent structure in accordance with AWPA Standard M4.

END OFSECTION