

SECTION 02361 TERMITE CONTROL

- 1.1 DESCRIPTION OF WORK:**
- A. Service Life of Soil Treatment: Soil treatment by use of a termiticide that is effective for not less than five years against infestation of subterranean termites.
- 1.2 SUBMITTALS**
- A. Product Data: For termiticide. Include the EPA-Registered Label for termiticide products.
- B. Product Certificates: For termiticide control products, signed by product manufacturer.
- C. Qualification Data: For Installer of termiticide control products.
- D. Soil Treatment Application Report: After application of termiticide is completed, submit report for Owner's record information, including the following:
- Date and time of application.
 - Moisture content of soil before application.
 - Brand name and manufacturer of termiticide.
- 1.3 COORDINATION**
- A. Coordinate soil treatment application with excavating, filling, grading, and concreting operations. Treat soil under footings, grade beams, and ground-supported slabs before construction.
- 1.4 WARRANTY**
- A. Special Warranty: Manufacturer's standard form, signed by Applicator and Contractor certifying that termite control work, consisting of applied soil termiticide treatment, will prevent infestation of subterranean termites. If subterranean termite activity or damage is discovered during warranty period, re-treat soil and repair or replace damage caused by termite infestation.
- Warranty Period: Five years from date of Substantial Completion.
- 1.5 MAINTENANCE SERVICE**
- A. Continuing Service: Beginning at Substantial Completion, provide 12 months continuing service including monitoring, inspection, and re-treatment for occurrences of termite activity. Provide a standard continuing service agreement. State services, obligations, conditions, and terms for agreement period; and terms for future renewal options.

PRODUCTS

- 2.1 MANUFACTURERS**
- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
- Termiticides:
 - Aventis Environmental Science USA LP; Termidor.
 - Bayer Corporation; Premise 75.
 - Dow AgroSciences LLC; Dursban TC, Equity.
 - FMC Corporation, Agricultural Products Group; Talstar, Prevail FT, Torpedo.
 - Syngenta; Demon TC.
- 2.2 SOIL TREATMENT**
- A. Termiticide: Provide an EPA-registered termiticide complying with requirements of authorities having jurisdiction, in an aqueous solution formulated to prevent termite infestation. Provide quantity required for application at the label volume and rate for the maximum termiticide concentration allowed for each specific use, according to product's EPA-Registered Label.
- 2.3 EXECUTION**
- A. Comply with the most stringent requirements of authorities having jurisdiction and with manufacturer's EPA-Registered Label for products.

SECTION 04100 MORTAR

- DESCRIPTION OF WORK:** Mortar and Grout for non-load bearing masonry. See Structural specifications for load bearing masonry.
- MATERIALS:** Masonry Cement: Non-load bearing CMU and non-load bearing masonry veneer: ASTM C91.
- MORTAR COLOR:**
- A. Natural and synthetic non-fading iron oxides and chromium oxides, compounded for use in mortar mixes. Use only pigments with record of satisfactory performance in masonry mortars. Mortar color shall be premixed with cement prior to delivery to job site.
- B. Color:
- Concrete Masonry Units: non-colored, manufacturer's standard gray color.
 - Brick or Decorative Concrete Units: see elevations.
- MORTAR MIXES:**
- Mortar for all brick veneer shall be ASTM C270, Type N.
- Pointing Mortar: ASTM C270, Type N with maximum 2 percent ammonium stearate or calcium stearate per cement weight.
- WATERPROOFING:**
- All mortar for exterior walls shall be made with an integral stearate waterproofing agent in the mix so as to render the finished unit water resistant. Use one (1) pound of stearate solids per bag of cement.

SECTION 04200 NON-LOAD BEARING UNIT MASONRY

- DESCRIPTION OF WORK:** Work furnished and installed under this Section comprises of non-load bearing masonry units, components and materials specified herein and indicated on drawings.
- Work includes but is not limited to the following:
- Face Brick.
 - Decorative Masonry Units.
 - Non-load bearing Concrete Masonry Units. (See Structural Specs for load bearing CMU)
 - Reinforcement, Anchorages, and Accessories.
- QUALITY CRITERIA:**
- A. Fire Resistance Rated Masonry shall comply with requirements established by governing authorities for the construction and fire resistance rating required by code.
- B. Concrete masonry units for fire rated walls shall be certified by "Underwriters" Laboratories, Inc. and a certificate issued stating block class and that manufacturer is authorized by U.L. to issue certificate.
- SUBMITTALS AND SAMPLES:**
- A. Submit product data for:
- Decorative masonry units.
 - Face brick.
 - Decorative masonry units.
- B. Submit separate certification for fire-rated masonry products stating block class and that manufacturer is authorized to issue certificate by Underwriters Laboratories or other recognized approval agency acceptable to local authority having jurisdiction.
- FACE BRICK UNITS:**
- A. Characteristics:
- ASTM C 216, Grade SW, Type FBS.
 - Size: Standard 3-5/8" x 2-1/4" x 8".
 - Make and Color: See Elevation sheets.
- B. Special Shapes: Of same type as above, shaped to profiles indicated; surface texture on face and ends.
- CONCRETE MASONRY UNITS:**
- A. Hollow Non-Load Bearing Units: ASTM C129, Grade N, Type II; light weight.
- REINFORCEMENT:**
- A. Single Wythe Joint Reinforcement: Ladder type; side rods with 9 gauge cross ties.
- Interior Walls: fabricate from mill galvanized wire.
 - Exterior Walls: hot-dip galvanize after fabrication with 0.8 oz. zinc coating, conforming with ASTM A 116, Class 3.
- B. Multiple Wythe Joint Reinforcement: Ladder type galvanized steel construction; 9 gauge inch side rods with 9 gauge cross ties.
- Interior Walls: fabricate from mill galvanized wire.
 - Exterior Walls: hot-dip galvanize after fabrication with 0.8 oz. zinc coating, conforming with ASTM A 116, Class 3.
- C. Reinforcing Steel: See Structural specifications.
- ANCHORS:**
- A. All anchors and ties shall be hot-dip galvanized after fabrication to comply with ASTM A 525, Class B3.
- B. Adjustable Masonry Veneer Anchors: manufacturer's standard two-piece adjustable hook and pintle brick ties. Anchor plate shall be attached to metal stud backup with corrosion resistant screws and neoprene washers.
- FABRIC FLASHINGS:**
- A. Asphalt Coated Copper Flashing: Copper sheet weighing 5 oz. Per sq. ft., coated with asphalt. Use where flashing is fully concealed in masonry.
- B. Asphaltic mastic as recommended by the manufacturer of the flashing material.
- ACCESSORIES:**
- A. Nailing Strips: Western softwood, preservative treated, sized to masonry joints.
- B. Weep Holes: Plastic tubes, wick filled.
- C. Preformed Control Joints: Neoprene, rubber or PVC material. Provide with corner and tee accessories.
- D. Joint Filler: closed cell polyvinyl chloride or polyurethane, oversized 50 percent to joint width; self expanding.

SECTION 04720 CAST STONE

- DESCRIPTION OF WORK:** Cast Stone as shown on architectural drawings and as described in this specification.
- QUALITY ASSURANCE:** Qualification of manufacturer: Shall be a current producer member of the Cast Stone Institute.
- SUBMITTALS:**
- A. Submit for approval the following:
- Samples of the Cast Stone specified which will be representative of the general range of color and finish to be furnished.
- B. Shop Drawings: Submit for approval the following:
- Copies of shop drawings showing details of the stone to be provided including; profiles, cross-sections, reinforcement, exposed faces, arrangement of joints, anchoring methods, anchors, annotation of stone types and their location.
 - Unless otherwise shown on contract drawings:
 - Provide suitable wash on all exterior sills, coping, projecting courses and pieces with exposed top surface.
 - Provide drips as needed.
- COLOR AND FINISH:**
- A. Match sample on file at CBI Office.
- B. Exposed surfaces, unless otherwise specified, shall exhibit a fine grained texture similar to natural stone. No bugholes or air voids will be permitted.

SECTION 05500 METAL FABRICATIONS

- 1.1 DESCRIPTION OF WORK:**
- A. Metal fabrications include items made from metal shapes, plates, bars, strips, tubes, pipes and castings which are not a part of structural steel or other metal systems specified elsewhere.
- B. Types of Work Included in This Section, But Not Limited To:
- Rough hardware.
 - Bollards.
 - Metal edge and corner protection.
 - Miscellaneous steel framing and supports.
 - Miscellaneous metal trim.
- 1.2 SUBMITTALS:**
- A. Product Data: Submit manufacturer's specifications, anchor details and installation instructions for products used in miscellaneous metal fabrications, including paint products and grout.
- B. Shop Drawings: Submit shop drawings for fabrication and erection of miscellaneous metal fabrications. Include plans, elevations and details of sections and connections. Show anchorage and accessory items. Provide templates for anchor and bolt installation by others.
- 1.3 QUALITY ASSURANCE:**
- A. Field Measurements: Take field measurements prior to preparation of shop drawings and fabrication, where possible.
- B. Qualifications of Welders: Welders employed on the work shall have passed qualification tests within the past months in the position for which qualified, using test procedures covered in the AWS D1.1.
- 1.4 MISCELLANEOUS CONSTRUCTION:**
- A. In addition to items specified in this section, provide items indicated or required to complete the work, including, but not limited to the following: Storefront and aluminum framing assemblies: structural tubing, angles, clips, brackets, bracing and related fasteners.
- 1.5 SHOP PAINTING:**
- A. Shop paint miscellaneous metal work, except members or portions of members to be embedded in concrete or masonry, surfaces and edges to be field welded and galvanized surfaces unless otherwise indicated.

SECTION 06100 ROUGH CARPENTRY

- 1.1 DESCRIPTION OF WORK:**
- A. Work described in this Section requires the furnishing and installation of all non-structural rough carpentry in locations indicated on drawings. See Structural drawings for structural wood framing.
- Wood Blocking and nailers.
 - Wood framing (non-structural).
 - Plywood equipment backing.
 - Plywood shelving.
 - Plywood sheathing (non-structural).
- 1.2 QUALITY CRITERIA:**
- A. Lumber grading rules and wood species shall be in conformance with PS 20.
- 1.3 LUMBER:**
- A. Dimensions:
- Specified lumber dimensions are nominal.
 - Actual dimensions to conform to PS 20.
- B. Surfacing: Surface four sides (S4S), unless specified otherwise.
- C. End Jointed Lumber:
- Structural purposes interchangeable with solid sawn lumber.
 - Glued joints of loadbearing lumber: PS 56.
- D. Moisture Content: 19% maximum at time of permanent closing in of building or structure, except as otherwise noted.
- E. Framing Lumber, any commercial softwood species:
- Light Framing (4 x 4 and smaller):
 - General framing: Standard and Better or Stud grade.
 - Plates, blocking, bracing and nailers: Utility grade.
 - Bracing, blocking, bulk headings and general utility purposes: Economy grade.
 - Lumber, 2x5 and wider, used for plates, blocking and nailers shall be a minimum of No. 3 grade.
 - Lumber, 2x5 and wider, used for joists and rafters: Souther Pine (SPIB) No. 2 or West Cost Lumber - Construction Grade.
- 1.4 PLYWOOD:**
- A. Trademark: Identify each plywood panel with appropriate APA trademark.
- B. Description:
- Equipment Backboards: APA C-D Interior, 3/4" thick unless noted otherwise.
 - Exterior Sheathing: APA C-D Exterior, see drawings for thickness.
 - Exterior Roof Decking: APA C-D Exterior, see drawings for thickness.
 - Utility Shelving: APA A-C Interior, 3/4" thick unless noted otherwise.
- 1.5 PRESERVATIVE TREATED WOOD PRODUCTS:**
- A. Preservative Treatment: Where lumber or plywood is indicated as "Treated Wood" or "Treated" or "PT", or is specified herein to be treated, comply with applicable requirements of AWP standards C1, C2 and C9 and of AWPB standards. Mark each treated item with the AWPB Quality Mark Requirements.
- 1.6 FIRE-RETARDANT TREATED WOOD PRODUCTS:**
- A. Provide UL Label on each piece of fire-retardant lumber or plywood.
- 1.7 Rough Hardware:**
- A. Provide nails, bolts, nuts, washers, screws, expansion bolts, clips, power actuated fasteners and similar hardware necessary for complete installation of rough carpentry items. Provide hardware of sufficient strength to adequately resist design loads and to meet codes; hardware shall be proper type to secure materials to substrates encountered.
- B. Where rough carpentry work is exposed to weather, in ground contact, or in area of high relative humidity, provide fasteners and anchorages with a hot-dip zinc coating in accordance with ASTM A153.

SECTION 06400 ARCHITECTURAL WOODWORK

- 1.1 DESCRIPTION OF WORK:**
- A. Standing and Running Trim, Casework, Panelwork, Closet and Storage Shelving, Factory Finishing.
- 1.2 QUALITY ASSURANCE:**
- A. The "Quality Standards" of the Architectural Woodwork Institute (AWI) shall apply and by reference are hereby made a part of this specification. Any reference to Premium, Custom or Economy in this specification shall be as defined in the latest edition of the AWI "Quality Standards."
- B. Grade of Work: AWI Standard: Materials and workmanship for veneers, doors, frames, paneling and trim shall be as follows unless specifically noted otherwise:
- Grade: "Premium Grade" unless noted or specified otherwise.
- 1.3 SUBMITTALS:**
- A. Shop Drawings: Submit shop drawings on all items of architectural woodwork not fully described by manufacturer's data. Include plans and elevations at not less than 1/2" to 1'-0" scale, and details at not less than 3" to 1'-0" scale. Indicate required attachment and accessory items, locations, grain directions, field dimensions, and finishes.
- B. Samples: Submit samples of each wood species which is to receive transparent finish at the job site. Submit finished samples of each finish to be applied at factory. Plastic laminate samples for selection by Architect and CBI Interiors.
- 1.4 STANDING AND RUNNING TRIM:**
- A. Interior for Transparent Finish: AWI Quality Grade: premium. Solid Wood: species - See drawings. All stained wood to be finished in shop prior to delivery to site.
- B. Interior for Opaque Finish: Medium Density Fiberboard (MDF) or AWI Quality Grade: custom. Solid Wood: species - See drawings.
- C. Plywood: Birch.
- 1.5 CASEWORK:**
- A. Casework - Laminate Clad:
- AWI Quality Grade: custom.
 - Construction: Details shall conform to Reveal Overlay, Flush Overlay, or Exposed Face Frame design.
 - Exposed Parts: Coordinate with CBI Interiors for laminate selection.
 - Semi-Exposed Parts: As governed by selected AWI quality grade.
- B. Casework Hardware: All cabinet hardware shall be furnished and installed by the casework manufacturer.
- Drawer Slides: manufacturer's standard for AWI quality specified.
 - Hinges: all hinges shall be concealed, equal to Soss.
 - Door Pulls: coordinate with CBI Interiors.
 - Touch Latches: Coordinate with CBI Interiors.
 - Bullet Catch: Coordinate with CBI Interiors.
 - Edge Pull: Coordinate with CBI Interiors.
 - Finish: Coordinate with CBI Interiors.
- C. Tops:
- AWI Quality Grade: custom.
 - Solid Wood Tops: Species and Cut: Coordinate with CBI Interiors.
 - High Pressure Laminate Tops: pattern and manufacturer: Coordinate with CBI Interiors.
 - Cast Polymer: pattern and manufacturer: Coordinate with CBI Interiors.
- D. Closet and Storage Shelving:
- Quality Grade: custom.
- 1.6 FACTORY FINISHING:**
- A. Transparent Finish:
- Items: Coordinate with CBI Interiors.
 - AWI Factory Finish System: Coordinate with CBI Interiors.
 - AWI Quality Grade: premium.
 - Stain: coordinate with CBI Interiors.
 - Effect: closed grain effect.
- B. Opaque Finish:
- Items: Coordinate with CBI Interiors.
 - AWI Factory Finish System: see drawings.
 - AWI Quality Grade: premium.
 - Degree of Sheen: see drawings.
- C. Field Touch-Up: Field touch-up shall be the responsibility of the installing contractor and shall include the filling and touch-up of exposed job made nail or screw holes, refinishing of raw surfaces resulting from job fitting, repair of job inflicted scratches and mars, and final cleaning up of the finished surfaces.



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REVISIONS:

DATE	DESCRIPTION

DATE: 8/18/2017 JOB NO.: 2016-055

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ARCHITECTURAL SPECIFICATIONS

SHEET NO.

SPEC-1

Permit Set