SECTION 07461

WOOD SIDING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Board siding for Walls wall and soffits.

B. Trim, flashings, accessories, and fastenings.

1.02 RELATED REQUIREMENTS

A. Section 05400 - Cold-Formed Metal Framing: Siding substrate.

B. Section 07900 - Joint Sealers: Sealant at perimeter.

C. Section 09260 - Gypsum Board Assemblies: Siding substrate.

D. Section 09900 - Paints and Coatings: Oil based sealer.

1.03 REFERENCE STANDARDS

A. IBAMA - Brazilian Institute for the Environment and the Renewal of Natural Resources.

B. ITTO - International Timber Trade Organization.

1.04 SUBMITTALS

A. See Section 01350 - Submittals, for submittal procedures.

B. Product Data: Provide data indicating materials, component profiles, fastening methods, jointing details, sizes, surface texture, finishes, and accessories.

C. Samples: Submit two samples 12 x 6 inch in size illustrating surface texture.

D. Samples: Submit two samples 12 x 6 inch in size to applicator of finish sealer for use in preparation of finish samples.

1.05 QUALITY ASSURANCE

A. Ipe Lumber Siding:
   1. Grade: All lumber shall be graded Premium-CAH (Premium-Clear All Heart) grading rules, defined as follows:
      a. Lumber shall be graded both faces, and both edges.
      b. Lumber shall be straight grained and parallel cut without heart center.
      c. Lumber shall be all heartwood, no sapwood allowed.
      d. Lumber shall be in sound condition, free from worm holes or knots.
      e. Allowable Imperfections defined as - Natural drying checks, discoloration caused by weathering or chemical reaction, bow or twist which can be removed using normal installation methods and tools.
      f. Not Allowable Imperfections defined as - Longitudinal heart cracks, internal cracks, firm or soft sapwood, fungi affects - (blue to gray, brown to red, white to yellow, or incipient decay), deformation - (twisting or bow) which cannot be removed using normal installation methods and tools.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Store in ventilated areas with constant minimum temperature of 60 degrees F and maximum relative humidity of 55 percent.

PART 2 PRODUCTS

2.01 SIDING

A. Board Siding: Beveled, maximum moisture content of 10 percent.
   1. Size: 1-inch thick, 6-inch high tongue and groove.
   2. Surface Texture: Smooth.

2.02 ACCESSORIES

A. Fasteners:
   1. Metal and Finish: Stainless steel "self-drilling" type as recommended by siding manufacturer.

B. End Coating for Ipe Lumber: Aqueous wax log end sealer.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that substrates are ready to receive work.

B. Verify that water-resistive barrier has been installed over substrate completely and correctly.

C. Do not begin until unacceptable conditions have been corrected.

D. If substrate preparation is the responsibility of another installer, notify Alexander + Hibbs AIA, Inc. of unsatisfactory preparation before proceeding.

3.02 INSTALLATION

A. Install siding and soffits in accordance with manufacturer's instructions.

B. Fasten siding in place, level and plumb.
   1. Arrange for orderly fastener pattern.
   2. Install siding for natural shed of water.
   3. Position cut ends over bearing surfaces. Sand cut edges smooth and clean and apply end coating immediately after cutting.
   4. Install board siding by pre-drilling pilot holes and countersink.
      a. Screw at 16 inches on center
      b. Miter horizontal joints tight at 45 degrees and miter internal corners.

C. Install metal flashings at internal and external corners, sills, heads of wall openings, and horizontal joints of sheet materials.

D. Prepare for site finishing specified in Section 09900.

3.03 TOLERANCES

A. Maximum Variation From Plumb and Level: 1/4 inch per 10 feet.

B. Maximum Offset From Joint Alignment: 1/16 inch.

END OF SECTION