

SECTION 06 11 33 – EUCALYPTUS POLE CONSTRUCTION

PART ONE – GENERAL

1.01 SUMMARY

- A. Section includes structural eucalyptus framing and miscellaneous carpentry using eucalyptus poles.

1.02 SYSTEM DESCRIPTION

- A. Provide natural eucalyptus poles used as structural elements in wall, roof, floor, or as individual compression and/or tension members, in Type V non-fire-resistance rated construction.
- B. [Performance Requirements for Exterior Fire-Test Exposure: Provide eucalyptus poles and framing materials that are fire retardant treated.]

1.03 SUBMITTALS

- A. Product Data: Submit catalog cuts, illustrations, diagrams, performance charts, instructions and brochures illustrating characteristics and physical appearance of eucalyptus material.
 - 1. Include data for wood-preservative treatment from chemical treatment manufacturer.
 - 2. [Include data for fire-retardant treatment from chemical treatment manufacturer.]
 - 3. Include data for insect-retardant treatment from chemical treatment manufacturer.
- B. Shop Drawings: Submit drawings showing layout, dimensions of each member, and details of construction for eucalyptus poles and framing.
- C. Samples: Submit [one] [two] samples 18 inch lengths of each size pole and framing member showing the range of variation to be expected in surface texture and color.
- D. Closeout Submittals: Documentation to record compliance with technical or administrative requirements.

1.04 QUALITY ASSURANCE

- A. Regulatory Requirements: Design and install eucalyptus poles and framing to resist wind load forces indicated on drawings in accordance with the [Florida Building Code] [Uniform Building Code].
- B. Certifications: Indicate type of preservative treatment used.
- C. Coordinate eucalyptus work with sizes and locations of framing, blocking, furring, and similar type work specified in other Sections to ensure that eucalyptus components can be supported and installed as indicated.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Storage and Protection: Provide air circulation within and around stacks of material.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Eucalyptus: Natural hardwood poles with minimal taper, pressure treated with a non-arsenic EPA approved treatment. Provide clean wood poles with knots and limbs cut flush with the surface.
 - 1. Poles and framing eucalyptus actual diameters shall be within 1/2 inch of design diameter.
 - 2. Color: Varies with natural shades of gray and brown.
 - 3. [Fire Retardant Treatment: Manufacturers treatment required to achieve Class A rating and be toxin free.]
 - 4. Insect Treatment: Manufacturers non-toxic pre-treatment system for protection of materials from insect damage.
- B. Source Product: Eucalyptus products provided by **amaZulu Inc.**, 1239 Commons Court, Clermont, FL 34711.
 - 1. Telephone: 352.243.5309.
 - 2. Fax: 352.243.5361.
 - 3. Website: www.amazuluinc.com.

2.02 ACCESSORIES

- A. Fasteners: Provide corrosion resistant ring-shank nails, [coated steel][aluminum][stainless steel] of the type and size recommended by the manufacturer to meet the performance requirements.

PART 3 EXECUTION

3.01 ERECTION / INSTALLATION

- A. General: Do not use materials that have become improperly treated or finished, or otherwise damaged and not usable.
- B. Install eucalyptus pole framing level, plumb, true, and aligned with adjacent materials. Use concealed shims as necessary to align components.
 - 1. Coordinate eucalyptus poles with materials and systems in or adjacent to units; provide cutouts for mechanical and electrical items that penetrate framing. Maximum 3/4 inch holes in structural eucalyptus.
 - 2. Install poles using full-length pieces from maximum lengths of pole units available.
 - 3. Conceal fasteners but where face fastening is unavoidable, countersink fasteners, fill surface flush, and sand smooth. Pre-drill holes before inserting fasteners.

- C. Preservative-Treated Eucalyptus: Treat field cut ends and drilled holes with supplemental preservative as recommended by fabricator.
- D. [Fire-Retardant-Treated Eucalyptus: Handle, store, and install fire-retardant-treated eucalyptus as required to maintain treatment protection.]

3.02 ADJUSTING / PROTECTION

- A. Protect completed eucalyptus installations from damage during construction.
- B. Remove and replace completed eucalyptus component materials that become damaged.

END OF SECTION