

**Guide Specification**  
**Section 060500 Common Wood**  
**Section 061510 Wood Decking**

**Boulevard Thermally-Modified Wood Decking and Dimensional Lumber**

1.0 GENERAL

1.1 WORK INCLUDED

- A. Provision of complete, pre-engineered wood decking and dimensional lumber

1.2 RELATED WORK

- A. Section 033000 Cast-in-Place concrete
- B. Section 042200 Concrete Masonry Units
- D. Section 061520 Composite Synthetic & Other Decking
- F. Section 075000 Membrane Roofing
- G. Section 077200 Roof Accessories
- H. Section 096900 Access Flooring
- I. Section 0321400 Unit Pavers

1.3 REFERENCES

- A. American Wood Protection Association (AWPA)
  - Guidance Document N – *Data Requirements for Listing Thermally Modified Wood*
  - Standard U1 - *Use Category System: User Specification for Treated Wood*
  - Standard E1- *Method for Laboratory Evaluation to Determine Resistance to Subterranean Termites*
  - Standard E7 - *Method of Evaluating Wood Preservatives by Field Tests with Stakes*
  - Standard E9 - *Field Test for the Evaluation of Wood Preservatives to be Used in Non-Soil Contact*
  - Standard E10 - *Method of Testing Wood Preservatives by Laboratory Soil-Block Cultures*
  - Standard E12 - *Method of Determining Corrosion of Metal in Contact with Treated Wood*
  - Standard E14 - *Method of Evaluating Wood Preservatives in a Soil Bed*
  - Standard E21 - *Test Method for the Evaluation of Preservative Treatments for Lumber and Timbers Against Subterranean Termites in Above-Ground, Protected Applications*
- B. American Society for Testing and Materials (ASTM)
  - ASTM D5664 - *Standard Test Method for Evaluating the Effects of Fire-Retardant Treatments and Elevated Temperatures on Strength Properties of Fire-Retardant Treated Lumber*
  - ASTM D3201 - *Standard Test Method for Hygroscopic Properties of Fire-Retardant Wood and Wood-Based Products*
  - ASTM E1354 - *Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter*

#### 1.4 SUBMITTALS

- A. Product Data: Manufacturer's standard catalog cut sheets, including storage, handling and installation instructions.
- B. Shop Drawings: Contractor to submit shop drawings indicating deck size, pattern and deck layout, starting point and finished elevation as endorsed by the manufacturer or its approved representative.
- C. Samples as required for typical wood color & characteristics
- D. Product Certificates: Signed by manufacturer certifying products furnished comply with requirements.

#### 1.5 DELIVERY, STORAGE AND HANDLING

- A. Inspect material after delivery for signs of damage during transit.
- B. Protect material from damage during storage and handling.
- C. Store material out of sunlight. Do not allow to be stored tightly wrapped in plastic.

#### 1.6 PROJECT CONDITIONS

- A. Contractor to provide adequate structural support for decking
- B. Decking material is designed for pedestrian traffic only. Other heavy architectural elements require additional support. Decking surfaces must have 12" of free air space below deck to allow proper air circulation.

#### 1.7 WARRANTIES

- A. Standard manufacturer's three-year warranty against defect in materials or workmanship, twenty-five years against rot & decay.

### 2.0 PRODUCTS

#### 2.1 ACCEPTABLE PRODUCTS/MANUFACTURERS

- A. Boulevard thermally-modified Decking and Dimensional Lumber provided by Tournesol Siteworks, 2930 Faber St., Union City, CA 94587 Tel: (800)542-2282 FAX (510)471-6243 tournesol.com

#### 2.2 WOOD DECKING AND DIMENSIONAL LUMBER

- A. Materials
  - 1. Decking and lumber shall be manufactured from Boulevard thermally-modified wood, certified conforming to AWPA Use-Class UC3B, Above Ground, Exposed (see AWPA Guidance N for required tests). Manufacturer should provide documentation of the quality processes used during thermal modification. Base woods shall be FSC-certified Red Oak or Ash. Wood shall be sourced & processed entirely in the U.S.
- B. Deck Plank Features
  - 1. Available with or without side grooves for hidden fastener system.
  - 2. Standard decking lengths shall be 6' to 12' long as develops, with no more than 5% 30" to 66"L.
  - 3. Decking shall be eased on four edges and finished on all four sides.

- C. Color: Medium brown/205 toast. Color and appearance is a natural feature of wood, and may vary slightly from board to board. Wood will naturally patina when left untreated
- D. Sizes: Conventional nominal decking sizes – 4/4 x 4, 4/4 x 6, 5/4 x 4, 5/4 x 6. See catalog cut sheet for nominal wood sizes.

### 2.3 DECKING ACCESSORIES

- A. Adjustable Pedestal System: For rooftop installations, SpiraPave ultralow and VersiJack pedestals may be fitted with beam supports as an alternate to a sleeper structure. Pedestals are faster to install, adjust and can compensate for roof slope to ensure an even floor.
- B. Wood Sealer: To preserve the natural dark surface color of the Boulevard wood, use Penofin hardwood formula wood stain in the transparent natural color. To maintain color, sealer should be reapplied every 12 months.

## 3.0 EXECUTION

### 3.1 PREPARATION

- A. Surface on which decking will be placed must be capable of supporting load, clean and free of debris.
- B. The finished elevation less the deck thickness shall be established and marked around the perimeter with laser leveling devices or other water level
- C. All Boulevard decking should have a clear air space of at least 12” below the deck to allow air to circulate. Situations where moisture and humidity is allowed to build up may lead to cupping and warping of decking.

### 3.2 INSTALLATION

- A. Boulevard Structural Wood may be cut, drilled, or otherwise modified similar to red oak or ash lumber. No special precautions or tools are required.
- B. Use stainless steel fasteners for all installations. Drill pilot holes for all screws to prevent wood from splitting.
- C. For installation on joist systems, refer to engineer’s or architect’s plans.

### 3.3 POST-INSTALLATION

- A. Repair or touch-up any damaged material
- B. Verify that the entire deck is contained, and that no areas are unsupported
- C. Perform periodic reapplication of sealer every 12-24 months. If deck is fire-proofed, reapplication of fire retardant coating should be performed every 3-5 years.