

**Guide Specification**  
**Section 129300 Site Furnishings**  
**Section 129200 Planters**  
**Tournesol Siteworks Boulevard Wood-Clad Planters**

1.0 GENERAL

1.1 WORK INCLUDED

- A. Provision of wood and steel planters

1.2 RELATED WORK

- A. Section 033000 Cast-in-Place concrete
- B. Section 061000 Rough Carpentry
- C. Section 062000 Finish Carpentry

1.3 SUBMITTALS

- A. Product Data: Manufacturer's standard catalog cut sheets.
- B. Samples: As required for color selection or material thickness only.
- C. Shop Drawings: For custom applications, showing critical sizes and dimensions for installation and integration with other work.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Unwrap & inspect planters after delivery for signs of damage during transit.
- B. Protect planters from damage during storage and handling.
- C. Store planters indoors if possible. Unwrapped planters exposed to sunlight may begin patina process, even with treatment applied. Do not stack planters.

1.5 PROJECT CONDITIONS

- A. Contractor to provide adequate structural support for planters.
- B. Protect units from damage by adjacent work.

1.6 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*

## 2.0 PRODUCTS

### 2.1 ACCEPTABLE PRODUCTS/MANUFACTURERS

A. Boulevard Planters, manufactured by Tournesol Siteworks LLC. 2930 Faber St., Union City, CA 94587 Tournesol.com Tel: (800) 542-2282 FAX (510) 471-6243

### 2.2 BOULEVARD PLANTERS

#### A. Materials

1. Lumber shall be manufactured from Boulevard thermally-modified wood, conforming to AWPAC Use-Class UC3B, Above Ground, Exposed (see AWPAC Guidance N for required tests). Manufacturer should provide documentation of the quality processes used during thermal modification. Base woods shall be Ash or FSC-certified Red Oak. Wood shall be sourced & processed entirely in the U.S. Other lumber available if specified.
2. Powdercoated carbon steel corner structure – ASTM A36 hot rolled steel structure.
3. Liner – All parts shall be constructed of glass fiber reinforced polyester resin, using either the hand-layup or spray-layup methods.
  - a. Glass fibers shall be PPG or equivalent. For hand layup fibers should be uniform chopped strand mat, minimum 3 oz. density. Liners must use three layers (or spray equivalent)
  - b. Polyester resin shall be compounded by a reputable manufacturer. All planters and planter liners will be fabricated of 100% resin – inorganic fillers will not be acceptable.
4. Hardware – Stainless steel grade 18-8 wood screws, and all bolts, washers, and nuts.

#### B. Construction

1. Lumber – Profiled and/or shaped with minimum surface smoothness of 20 KCPI. No tear-outs or knife-knicks.
2. Powdercoated Steel Corner Structure – Formed and welded
3. All hardware to be internal and hidden

#### C. Performance characteristics

1. Lumber – All corners and edges to be rounded or eased. All attachment points to be internal and not visible. Lumber to be treated with Penofin oil prior to delivery to prevent initial weathering. To prevent long-term graying, wood must be periodically retreated.
2. Powdercoated Steel Corner Structure – All exposed sharp edges removed
3. Liner – built with bulkheads or gussets and wall reinforcement to prevent wall from flexing when planter is filled with soil.

#### D. Finish: specified finish; factory finished.

1. Boulevard Wood – wood finished with Penofin oil to resist UV weathering. Penofin darkens wood upon application, wood will lighten as the oil evaporates. Reapply treatment yearly for maximum UV protection. If left untreated, wood will patina to natural gray state.
2. Carbon steel corner structure –
  - a. Following fabrication the planter steel frame pieces shall be cleaned and treated with an iron phosphate process prior to the coating application. This process shall include a non-chromated alkaline cleaner, and an iron phosphate treatment, followed with an acidic sealer for maximum adhesion. Corrosion-resistant zinc undercoat shall be applied, 1-2mils thick. Protective powder coat shall be polyester or

polyester TGIC powder, minimum 4 mils thick. Following application parts shall be baked until properly cured.

E. Sizes: Refer to catalog for standard sizes. Custom sizes as per approved shop drawings.

### 2.3 PLANTER OPTIONS

A. Wood Cladding Options – Depending on placement (against a wall, against one another, etc.), Boulevard planters may not require wood cladding on all sides. Product to be delivered with wood on one-, two-, three-, or all four sides (standard configuration). Specify which side (or combination of sides) should be clad. Note: Planter lengths will be reduced by approx. ¾” for each side unclad. Unclad sides will have a 90deg cladding support to allow the planter to sit closely by the wall or adjacent planter.

B. Scoop Connectivity – To create the appearance of a continuous planting area, adjacent planters may have their sidewalls lowered. Adjacent planters shall be maximum of three-wall clad units, and shall be delivered with a Scoop hardware kit to prevent water or soil from spilling between units. Holes to attach scoop units to be drilled once planters are in final location and partially filled. Connecting sealant to be silicone, and hardware to be stainless steel.

C. Alternative material cladding options – Boulevard planters may have steel panels substituted for wood planking for decorative purposes. Steel panels available in a range of standard sizes, see website for details. Panels may also be laser-cut with logos or decorative patterns as required. Panels available in 12ga. brushed stainless steel, weathering steel, or powdercoated mild steel. Cladding panel attachments to be hidden and invisible, and panels to have decorative return and radiused edges to match wood.

D. Trellis or Privacy Panels – Boulevard planters may be delivered with bracket pockets to accommodate a vertical support for trellis panels or metal privacy screens. See Wilshire and Boulevard Screen page at [Tournesol.com](http://Tournesol.com).

## 3.0 EXECUTION

### 3.1 PREPARATION

A. Prior to fabrication, the contractor shall verify as-built dimensions of area to ensure proper size, fit and quantity required.

### 3.2 INSTALLATION

A. Provide continuous basal support.

B. Install level.

C. For scoop connectivity, trellis or privacy panels, follow instructions provided by manufacturer carefully.