

Guide Specification
Section 129320 Trash and Litter Receptacles
Tournesol Siteworks Boulevard Receptacle

1.0 GENERAL

1.1 WORK INCLUDED

- A. Provision of steel and wood receptacle

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 receptacles after delivery for signs of damage during transit.
- B. Protect receptacles from damage during storage and handling.
- C. Store receptacles indoors if possible. Do not stack receptacles.

1.5 PROJECT CONDITIONS

- A. Contractor to provide adequate structural support for receptacles.
- 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 Receptacle, 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 RECEPTACLE

A. Materials

1. Lumber shall be manufactured from Boulevard thermally-modified wood, 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 Ash or FSC-certified Red Oak. Wood shall be sourced & processed entirely in the U.S. Alternate ipe or other lumber available if specified.
2. Powdercoated carbon steel structure – ASTM A36 hot rolled steel structure.
3. Powdercoated carbon steel Bezel/Lid – ASTM A36 hot rolled steel.
4. Liner – Rotomolded High Density Polyethylene
5. Hinge – 304 Stainless steel
5. Hardware – Stainless steel grade 18-8 wood screws, leveling feet, 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 Structure – Formed and welded
3. Powdercoated Steel Bezel/Lid – Formed and welded
4. All hardware to be internal, hidden and not visible when lid is closed.

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 Structure – All exposed sharp edges removed
3. Powdercoated Steel Bezel/Lid – All exposed sharp edges removed. Welds on flat surfaces ground smooth.
4. Liner – Minimum 30 gallon capacity with lifting handles.
5. Hinge – Built in limiter to ensure smooth component closure.

D. Finish: specified finish; factory finished.

2. Carbon steel –

a.: Following fabrication the receptacles steel frame and lid 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.

b. Optional Tier-2 Finishes (Silvadillo, Jaguar Topaz): An additional clear overcoat of 1-2 mils applied over powder coat.

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

2.3 RECEPTACLE OPTIONS

- A. With or without a rain hood

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. Install receptacle to allow for easy removal if necessary.
- B. Provide continuous basal support.
- C. Install level.