

Guide Specification
Section 129333 Manufactured Planters
Section 097753 Vegetated Wall Systems
Section 32 9500 Exterior Planting Support Structures

Wilshire Box Linear Planter System
Hanging Fiberglass Planters with Mounting Brackets

1.0 GENERAL

1.1 WORK INCLUDED

- A. Provision of fiberglass planters and steel brackets.

1.2 RELATED WORK

- A. Section 033000 Cast-in-Place concrete
- B. Section 061000 Rough Carpentry
- C. Section 062000 Finish Carpentry
- D. Section 328400 Planting Irrigation
- E. Section 329300 Plants
- F. Section 221400 Facility Storm Drainage

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. Inspect planters after delivery for signs of damage during transit.
- B. Protect planters and brackets from damage during storage and handling.
- C. Store planters and brackets indoors, or at least out of the rain, in their original packaging. Do not stand or walk on planters.

1.5 PROJECT CONDITIONS

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

2.0 PRODUCTS

2.1 ACCEPTABLE PRODUCTS/MANUFACTURERS

- A. Wilshire Box Linear Planter System, manufactured by Tournesol Siteworks, 30955 San Antonio St., Hayward, CA 94544 Tel: (800) 542-2282 FAX (510) 471-6243
tournesolsiteworks.com

2.2 WILSHIRE BOX LINEAR PLANTER SYSTEMS

- A. Material
Planters - All parts shall be constructed of glass fiber reinforced polyester resin.

1. Glass fibers shall be PPG or equivalent, uniform chopped strand mat, 3 oz. density. Shorter planters must use min. 2 layers, longer planters must use min. 3 layers (or equivalent amount of sprayed glass).
 2. Polyester resin shall be compounded by a reputable manufacturer.
 3. Planter must be internally waterproofed with asphaltic damproofing material.
- Brackets – Brackets shall be constructed of ¼” carbon plate steel with support plate heliarc welded. 3/8” Mounting stud to be 304 Stainless steel, welded to plate. Powder coat to be 40% gloss polyester over zinc-rich primer.

B. Construction

Planter- fabricated by either hand layup or spray laminate method, using suitable molds to attain the desired surface finish. The finished reinforced plastic material shall be not less than 5/32” thick and thicker in those areas requiring additional structural strength. Where ribs or stiffeners are to be fastened to liner sections by laminating over premolded forms, the stiffeners or ribs shall be located and laminated into position before the section to which they are to be attached has passed the gel state of curing, and the finished joint shall be strong and durable. Planters must have bracket pockets to accommodate brackets, with pre-drilled stud mounting holes (one per bracket for 10x12 and 12x18 planters, two per bracket for 18x24 size).

C. Finish:

Planter - Factory finished any of Tournesol Siteworks’ standard colors and textures. See catalog or website for available options.

Bracket – Mounting stud to be covered and the entire bracket to be powder coated black (or color to match planter if specified).

E. Sizes: Wilshire Box planters – three available profiles – 10”W x 12”H, 12”W x 18”H, or 18”W x 24”H, all available in lengths from 24” to 120”L.

F. Fire retardant requirement can be met with the addition of retardant chemicals to the resin. Additional information is available for this specification.

2.3 PLANTER ACCESSORIES (OPTIONAL)

A. Mounting template – fabricated template lays out bracket mounting hole locations for easy installation of brackets. One template recommended per length of Wilshire Box planter.

B. Field installed drainage/irrigation connection fitting. Thread-by-thread thermoplastic drainage adapter, ½” to 4”NPT female thread available. Contractor to locate drainage hole, drill as necessary, and install fitting.

B. CWM Manual Fill or AutoFill Container Irrigation Systems by Tournesol Siteworks, designed to fit into boxes turnkey. See irrigation specification for details.

3.0 EXECUTION

3.1 PREPARATION

A. Prior to planter or bracket fabrication, the contractor shall verify as-built dimensions of planter area or receptacles to ensure proper size, fit and quantity required.¹

B. Unless planters have drainage fittings as in 2.3.A, drainage holes to be located and made by contractor in the field to fit to drainage system.

3.2 INSTALLATION

A. Locate optional template where box is to be installed, mark locations for bracket anchors. Take care that box is mounted level to permit adequate drainage and irrigation.

B. Drill bracket holes, mount brackets to wall using anchors specified by project engineer.

- C. Place boxes onto brackets, thread nuts onto studs using provided washers and nuts.
 - D. Connect irrigation and drainage plumbing, as per drawings.
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