

Guide Specification Aloft Façade Hanging Planters

1.0 GENERAL

1.1 WORK INCLUDES

- A. Provision of Aloft Façade Planters

1.2 RELATED WORK

- A. Section 129333 Manufactured Planters
- B. Section 329433 Planters
- C. Section 329500 Exterior Planting Support Structures
- D. Section 031000 Cast-in-place Concrete

1.3 SUBMITTALS

- A. Product Data: Manufacturer's standard catalog cut sheets.
- B. Samples: As required for color selection or material thickness only.
- C. Layout Drawings: Standard and Custom product to show critical sizes dimensions, options, and necessary site conditions.
- D. Environmental Product Declarations (EPDs): Submit third-party verified and product-specific EPDs for the specified materials, demonstrating compliance with ISO 21930, 14025, and 14044, or equivalent standards.
- E. Design engineering for layouts and Project management services.
Structural engineering analysis available including wind loads, Planters and mounting condition.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Unwrap & inspect planters, frames and drainage after delivery for signs of damage during transit.
- B. Protect Products from damage during storage and handling.
- C. Store Products indoors if possible. Do not stack.

1.5 PROJECT CONDITIONS

- A. Contractor to provide mounting substrate built to structural specifications.
- B. Protect units from damage by adjacent work.
- C. Contractor to supply adequate plumbing inflow and outflow conditions per architectural specifications.

1.6 WARRANTY

- A. Units will be free from defects in material and/or workmanship for a period of 3 years from delivery date.
- B. Normal use of these products may result in scratches, nicks, and dents. These are considered normal wear and tear are not the responsibility of the manufacturer.
- C. Manufacture will, at its option repair, replace, or refund the purchase price of products that are deemed defective by an authorized representative.

2.0 PRODUCTS

2.1 ACCEPTABLE PRODUCTS/MANUFACTURERS

- A. Aloft Façade Planters, manufactured by Tournesol Siteworks LLC. 2930 Faber St., Union City, CA 94587 Tel: (800) 542-2282 Tournesol.com

2.2 ALOFT FAÇADE HANGING PLANTERS

A. Materials & Construction

1. Planter: Aluminum – ASTM B209 – B5052-H32 Marine Grade 1/8" Aluminum, formed and laser-welded shell and supports. Interior 1/4" Gussets of same material, welded as required.
2. Wall Mount Bracket: 12ga 304 Stainless Steel, Laser-cut, formed and laser-welded. Each frame to be primed with zinc-rich powdercoat to prevent galvanic interaction. Welded stainless hardware inserts.
3. Drainage System: All components are PVC. Pipe fittings, drain cap assembly, and proprietary perforated overflow drainpipes

B. Fabrication & Assembly

1. Planter, Wall mount bracket, and Drainage System are prefabricated and dry fit assembled in factory. Bracket

C. Performance Characteristics:

1. Planter: Performs at a L/300 with a testing at 110lbs per cubic sqft soil weight. Must be 3rd party Structurally certified, have data available by request. Must be able to accommodate integration of upper and lower Greenscreen Trellis.
2. Mounting System: Gusset hook attachment securing planter to Wall mount bracket. Tested to 3500lbs per vertical gusset. 3rd party structurally certified.
3. Drainage: Preassembled system to accommodate multiple inflow and outflow requirements.

D. Finishes:

1. Planter– Available in all Tournesol standard Powder coat finishes Following fabrication planter shall be cleaned by dry steam cleaning and zirconium solution. Corrosion-resistant zinc free epoxy primer shall be applied, 1-2mils thick. Protective powder coat shall be polyester or polyester TGIC powder, 3-4 mils thick. Following application parts shall be baked until properly cured. color to coordinate with the building's AAMA formulations
2. Stainless Mounting System– . Corrosion-resistant zinc free epoxy primer shall be applied, 1-2mils thick

E. Sizes:

1. Standard Sizes fabricated to size by manufacturer as required to fill specified areas. Refer to catalog for standard sizes.
2. Custom – Custom sizes available with Length adjustments form 48" to 96" in linear rectangles.

2.3 OPTIONS

- A. Greenscreen Integration
 - 1. Greenscreen Trellis Panels with all standard trim options
 - 2. Integrated Planter clips

3.0 EXECUTION

3.1 PREPARATION

- A. Prior to fabrication, contractor shall verify as-built dimensions of installation area, required provisions for plumbing, and mounting substrates are built architects structural specification. verify fit and quantity required.

3.2 INSTALLATION

- A. Planters install in accordance with instructions at locations indicated in shop or layout drawings. Source 1/2" diameter non-corrosive anchoring hardware when securing wall mount. Drainage system to tie into building per architects drawings