Tournesol

Guide Specification
Kitsap Planter Walls – Aluminum & Steel

1.0 GENERAL

1.1 WORK INCLUDED

A. Provision of aluminum & steel planter walls

1.2 RELATED WORK

A. Section 033000 Cast-in-Place concrete
B. Section 129233 Interior Planters
C. Section 129333 Manufactured Planters
D. Section 329433 Planters
E. Section 129300 Site Furnishings

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: Manufacturer to provide layout in plan, showing individual elements and anchor locations, as well as a tabulated list of product codes, quantities, and specific finishing details as needed. For custom applications, layout shows critical sizes and dimensions for installation and integration with other work.

1.4 DELIVERY, STORAGE AND HANDLING

A. Unwrap and inspect walls after delivery for signs of damage during transit.
B. Protect walls from damage during storage and handling.
C. Store walls indoors if possible. Do not stand or walk on walls.

1.5 PROJECT CONDITIONS

A. Contractor to provide adequate structural support for planter walls. Unless otherwise specified, surface on which the planter walls are to be mounted shall be smooth and level. Planter walls should have continuous basal support and should be anchored down at all provided mounting points.
B. Protect units from damage by adjacent work.

1.6 WARRANTY

A. Product will be free from defects in material and/or workmanship for a period of 3 years from invoice date
B. Warranty does not apply to damages from alteration, misuse, or installation damage
C. Normal use of these products may result in scratches, nicks, and dents. These are considered normal wear. tear, and are not the responsibility of the manufacturer
D. Manufacturer shall have field service team to advise on potential warranty issues
E. Manufacturer will, at its option repair, replace, or refund the purchase price of products that are deemed defective by an authorized representative.

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2.0 PRODUCTS

2.1 ACCEPTABLE PRODUCTS/MANUFACTURERS

A. Kitsap Planter Walls, manufactured by Tournesol Siteworks LLC. 2930 Faber St., Union City, CA 94587 Tel: (800) 542-2282 tournesol.com

2.2 KITSAP PLANTER WALLS

A. Materials –

1. Weathering Steel Planter Walls – ASTM A606-4 12 ga. (0.105") sheet, brake formed and welded. ASTM A588 3/16" (0.188") may be substituted for custom projects where required. Wall reinforcement elements of same material attached as required.

2. Pre–Weathered Steel Planter Walls – ASTM A-606-4 12 ga. (0.105") sheet, brake formed and welded. Wall reinforcement elements of same material attached as required. ASTM A588 3/16" (0.188") may be substituted for custom projects where required. Wall reinforcement elements of same material attached as required.

3. Powdercoated Steel Planter Walls – ASTM A1011 12 ga. (0.105") hot rolled carbon steel sheet, brake formed and welded. Wall reinforcement elements of same material attached as required.

4. Aluminum Planter Walls – ASTM B209 5052-H32 Marine Grade 1/8" Aluminum sheet, brake formed, and laser welded. Wall reinforcement elements of the same material welded as required. The entire product is aluminum construction.

B. Construction –

1. Anchored planter walls to be brake formed and fully welded at vertical and horizontal seams. Top lips, where applicable, are to be brake formed or fully seam welded. Top lips on powdercoated planters ground smooth. Curved planter walls to have fully welded base. Aluminum to be fully laser welded

2. Freestanding planter walls to be fully welded at vertical seams. Top lips, where applicable, are to be brake formed or fully seam welded. Top lips on powdercoated planters ground smooth. Bases to be stitch welded at horizontal seams. Aluminum to be fully laser welded

C. Performance characteristics –

As confirmed by Finite Element Analysis (FEA), vertical walls will not deflect more than L/300 over the length (L) of each wall section when loaded with 95 lbs./cu.ft. level backfill soil media to within 2" of top of wall. Manufacturer to provide copies of FEA results confirming this performance upon request. Similar performance with heavier soil media is available by specification.

D. Finish – specified finish; factory finished.

1. Weathering Steel - Unless otherwise specified, weathering steel planters finished to mill specification

2. Pre-Weathered Steel – Following fabrication planter shall be cleaned utilizing abrasive grit blasting. A premix eco-friendly accelerator spray shall be applied and allowed to oxidize for 12 hours minimum.

3. Carbon steel – Following fabrication planter shall be cleaned utilizing abrasive grit blasting. This process removes the outer layer of steel prior to powder coating for maximum adhesion. Corrosion-resistant zinc rich undercoat shall be applied, 1-2mils thick. The protective topcoat shall be polyester powder,

minimum 4 mils thick. Following application, the parts shall be baked until properly cured.

4. Aluminum – 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, minimum 4 mils thick. Following application, the parts shall be baked until properly cured.

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E. Sizes –

Modular units fabricated to size by manufacturer as required to fill specified areas. sizes as per approved shop drawings.

2.3 PLANTER OPTIONS

A. Formed top lips can be specified on any planter wall size Top lip shall be brake formed on all straight walls, including straight sections of angled walls. The top lip shall be welded on curved planter walls.

B. Straight top lips can be specified on any planter wall size Straight lip is simply the material edge.

C. Standard accessory pockets are available for standard lighting and junction boxes. Custom Accessory pockets available for lighting, audio, electrical, or other elements. Submit sample of specified fixture and housing with order, confirm size and location on shop drawings.

E. Cantilevered bench – Contact manufacturer for size and installation requirements

3.0 EXECUTION

3.1 PREPARATION

A. Prior to planter fabrication, the contractor shall verify as-built dimensions of planter area or receptacles to ensure proper size, fit and quantity required. Installation area, unless otherwise specified, shall be smooth and level.

3.2 INSTALLATION

A. Mounting

1. Anchored planter Wall - must be structurally attached to a slab or curb through holes in the base of the wall. Footing recommendations can be found in the footing addendum of the Tournesol Kitsap Installation Instructions document. Quantity of wall anchors varies per wall height and length. Use 3/8” diameter noncorrosive anchors at each mounting hole to anchor manufacturer’s specification. See technical drawings for details.

2. **Freestanding Planter wall** must be fully supported along the base flange by a solid surface (structural foam or similar) with anti-slip screws installed. Wall bases must be fully covered with soil to ensure counterweight amounts are met. See Tournesol Kitsap Installation Instructions for details.

3. Provide continuous basal support.

4. Install level to permit adequate drainage and irrigation.