

Weathered, Powder Coated Steel and Powder Coated Aluminum Planters / Walls Guide Specifications (Section 129300 Site Furnishings)

1.0 GENERAL

1.1 SCOPE OF WORK INCLUDED

Provision of steel planters or wall sections

1.2 RELATED WORK

Section 033000 CastinPlace concrete

Section 061000 Rough Carpentry

Section 062000 Finish Carpentry

1.3 SUBMITTALS

Provide samples for confirmation of color selection.

Provide manufacturer's fabrication drawings detailing dimensions of all products.

1.4 DELIVERY, STORAGE AND HANDLING

CAUTION: All packing materials must be completely removed before storage, as retained materials can trap moisture and cause water spotting or surface damage. Failure to follow these instructions may void claims or warranties.

Items are packed individually and separately to ensure protected transport to the installation site; please note any exterior packaging damage before accepting shipment.

Upon delivery, carefully unwrap and inspect all products, and protect them from damage during handling and storage.

Store planters and furnishings in a protected environment, and do not place other items on top of them.

1.5 PROJECT CONDITIONS

Contractor to provide adequate structural support for planters and wall sections. Unless otherwise specified, all items should have continuous basal support. If elevating on intermittent pedestals additional reinforcing may be required.

Protect units from damage by adjacent work and during installation.

Plant selections must be made ensuring expected mature root ball size does not exceed the capacity of the planter.

2.0 PRODUCTS

2.1 ACCEPTABLE PRODUCTS/MANUFACTURERS

Modern Steel Planters & Modwall Steel Wall Sections, manufactured by Planters Unlimited 6056 Corte Del Cedro, Carlsbad, CA 92011, 8883200626, sales@plantersunlimited.com

2.2 METAL PLANTERS AND WALL SECTIONS

1. Materials Weathering Steel Planters & Wall Sections– ASTM A606 0.125” sheet, formed and welded. Thicker material used as needed at large scales. Wall reinforcement elements of same material attached as required.
2. Powdercoated Carbon Steel Planters & Wall Sections – Body ASTM A1011 0.125” hot rolled commercial carbon steel sheet, formed and welded. Wall reinforcement elements of same material attached as required.
3. Aluminum Planters & Wall Sections - 0.125" Marine Grade sheet ASTM B209 5052H32, formed and welded. Wall reinforcement elements of same material attached as required.
4. Internal Sealer - Waterbased emulsified asphalt coating
5. Fiberglass Pads – Metal Planters (Both Weathering & Powdercoated Steel) include 1/8” Fiberglass Pads to protect from gouges during installation & maintenance.

B. Construction –

1. Planter & Wall Section bodies to be formed and fully welded at vertical seams.
2. Top Trim - Top lips, where applicable, to be press broke, seam welded. Lips on powdercoated carbon steel planters ground to smooth.
3. Floor Attachment - Wall Sections to be Floor fastened watertight to body. Planters to be fastened through fiberglass pads. Either may be fastened with 2” toekick/reveal, or flush to bottom.
4. Drainage - Planters delivered with 1” drain holes unless specified otherwise.
5. Conduit holes - Provided near the wall of Modwall’s allowing you to run electrical conduit / irrigation / drainage lines without impeding roots.
6. Attachment Hardware - All attachment hardware for Modwall Wall Sections is provided in Stainless Steel.

C. Performance Characteristics –

1. Vertical wall panels will not deform more than L/200 when loaded with 90 lbs/cu ft. soil media.

Finish –

Weathering / Corten Steel –

Unless otherwise specified, weathering steel planters finished to mill specification.

Pre-patina is an option that prerusts our weathering steel planters, giving them a beautifully aged look without the wait for natural patina development.

An external sealer is available to help minimize additional patina on both mill specifications and pre-patina finishes. This sealer also reduces the risk of runoff staining. Please note that while the sealer lessens runoff staining, it does not eliminate it entirely, so care should be taken to protect sensitive surfaces.

Powder Coated Carbon steel –

Garnet Media used to sandblast the metal surface prior to the coating application for maximum adhesion. Sandblasting deeply cleans the metal by removing corrosion and oils. In addition, sandblasting creates a textured profile for optimal binding of coating to metal.

Corrosion resistant zinc rich epoxy primer undercoat applied, 12mils thick.

Protective powder coat applied, TGIC Polyester, minimum 4 mils thick.

Following application, parts shall be baked until properly cured.

Sizes:

Units are fabricated to order based on size. Sizes under 10'Lx4'H do not incur an oversize charge.

Section 2.3 – Accessories

Planters Only

- Casters
- Forklift Knockouts
- Trellis & Trellis Attachment Systems
- False Bottoms & Removable Liners
- Waterproofing
- Bioretention

Planters & Wall Sections

- Water Reservoirs
- Toe Kick / Toe Kick Lighting
- Integrated Benches & Seating
- Accessory Cutouts
- Sloped Bottoms / Tops
- Freestanding or Anchored
- Radius Curves

3.0 EXECUTION

3.1 PREPARATION

Prior to the start of production, site measurements should be verified by an authorized contractor. Transport and handle product with care so that excessive stresses or impacts do not occur.

Store product on a level surface with continuous basal support.

Plan for delivery labor appropriate to your product weight and delivery site. If a forklift is not available, it may require several laborers to unload large items.

Consider limited access issues moving items from the delivery staging area to the install site. Stairways, elevators and doorways can be limiting factors. Craning large items into limited access spaces is common.

3.2 INSTALLATION & CARE

Install product level with adequate drainage. Specific installation instructions per product available on request.

Provide shims where necessary.

3.3 PROTECTION

Protect installed products to ensure that they will not be damaged by construction dust or debris.

