

Instructions

Assembly
Installation
Operation

12/2009

Presidio Seating

Product Components:

Seats: Straight or angled, will depend on order

Supports: Number and style (embedded, surface-mount, freestanding) depends on order

Hardware:

(2) 7/16 cap screws per seat

(2) 7/16 nuts per seat

Tools Required:

(1) 11/16" wrench

(1) 3/8" hex drive

NOTE TO INSTALLER:

Prior to installing, please coordinate with the specifier for complete understanding of groupings, seat placements, etc. Landscape Forms has filled this order based on the layout submitted by the specifier and is in no way responsible for the accuracy of the information received from the specifier.

BASIC STEPS - DETAILED INSTRUCTIONS FOLLOW:

STEP 1 - Determine placement of all supports prior to installing.

STEP 2 - Install supports.

STEP 3 - Attach seats to supports.

IMPORTANT!

PLEASE READ THE FOLLOWING INSTRUCTIONS TO ENSURE

PROPER PLACEMENT OF SUPPORTS PRIOR TO INSTALLING.

Instructions

Assembly
Installation
Operation

Presidio Seating, con.

STEP 1 - Placement of Supports:

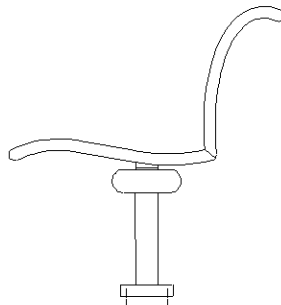
Before embedding or surface mounting supports, it is important to locate the proper placement of each support by following these guidelines. Do not locate one support section at a time. This may result in incorrect placement.

- For straight runs: Tube ends should be aligned and butted together.
- For curved or combination curved/straight configurations: You will need to adjust support alignment to ensure that front and back edges of seats align. First, place supports in position. Then place one seat on both ends of each support run. Reposition support to line up front and back edges of seats. Note: 118" radius is formed by alternating straight and angled seats, beginning with an angled seat. Proceed with steps below depending on style of mount.

STEP 2 - Mounting Supports:

Freestanding Support: Simply place supports in desired location then proceed with Step-3.

Surface Mounting:

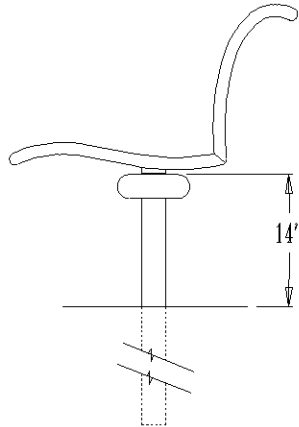


1. Place unit in desired position. Refer to Step-1 above for support placements.
2. Mark hole location through anchor plate holes. Move unit to allow access for drilling holes.
3. Drill holes at marked position for appropriate anchors.
4. Anchoring procedure and hardware is the responsibility of the installer. A minimum 1/2-13 thread size anchor and minimum 3" embedment are basic recommendations for concrete, however type and condition of anchoring surface ultimately determines type and length of anchor. Non-corrosive anchors are recommended.
5. If using expansion wedge anchors, install anchor leaving enough threads to go through mounting plate, washer and hex nut. Place unit in position, install hex nut with washer. Avoid marring the finish.

Instructions

Assembly
Installation
Operation

Embedding:



1. Place supports in location. Refer to Step-1 above for support placements. For multiple sections, do not locate one section at a time, this may result in incorrect placement. Be sure support is plumb and 14" from grade to top of horizontal tube *. (see drawing above).
2. Excavation area for footing is minimum 12" (square or round) by 20" deep, however soil conditions and local building codes will determine concrete footing size and depth.

* If grade is sloping: It will be difficult to level a long run of seats without having one end too high and the other too low for comfortable seating. In this case, a judgment needs to be made on slope of tube for retaining optimum seating height requirements. For most comfortable seating height requirements, the distance from grade to bottom of horizontal tube section should be between 12-3/4" and 14-3/4".

STEP 3 - Seat Assembly:

1. Because these units are quite heavy, we recommend using two people to install seats. Set seats in front of horizontal tube sections.
2. Hold first seat above tube and slip adapters on seat into adapters on horizontal tube.
3. Insert bolts and install nuts for this seat. Tighten hardware using an alternating pattern. Tighten one side half way, and then tighten the other side half way. Repeat until each side is securely fastened. Tighten VERY SECURELY. We recommend tightening the bolts on each seat before installing the following seat. This makes it easier to fully tighten the bolt.
4. Check to see if seat rocks at all. If seat rocks, keep tightening until it is totally stable.
5. Continue in same manner with other seats, tightening bolts securely as you add each seat.

ASSEMBLE WITH CARE! Pangard II® Polyester Powdercoat is a strong, long-lasting finish. To protect this finish during assembly, place unwrapped powdercoated parts on packaging foam or other non-abrasive surface. Do not place or slide powdercoated parts on concrete or other hard or abrasive surfaces - this will damage the finish causing rust to occur. Use touch-up paint to repair any finish abrasions.