



Removable

Included components:



Unit body



Socket



1X - 5/32"
pin-in-hex key

Tools Required

- safety glasses
- 1/2" wrench for removable
- Drain

CAUTION! Fixtures and wiring must be installed in accordance with local codes and ordinances.

NOTES:

- Landscape Forms is not responsible for site preparation or footings.
- Failure to allow for proper drainage may void the standard Landscape Forms warranty.

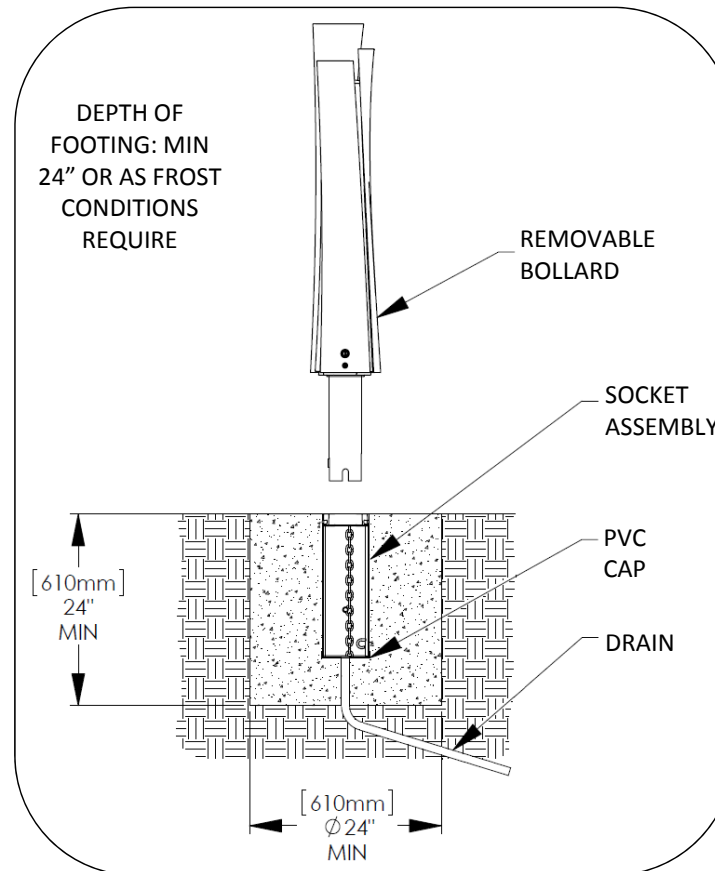


FIG. 1 - FOOTING DETAIL FOR REMOVABLE BOLLARD

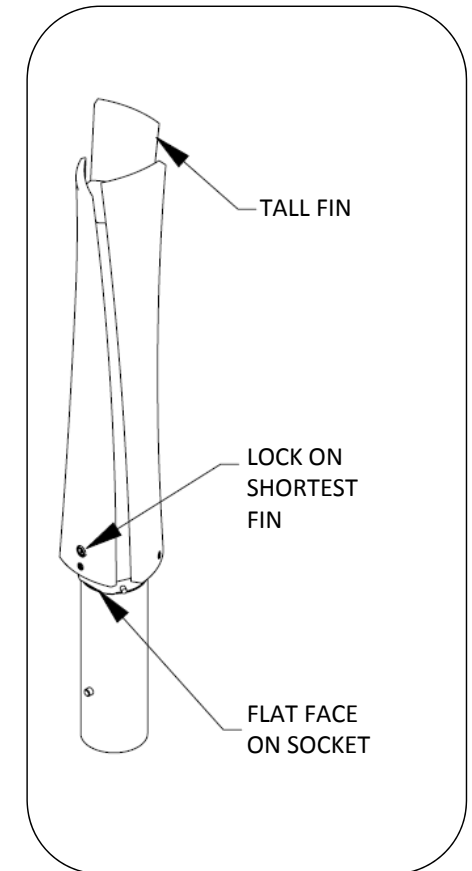


FIG. 2 - ORIENTATION OF BOLLARD

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-marring surface. Do not place or slide powdercoated parts on concrete or other hard or textured surface – this will damage the finish causing rust to occur. Use touch-up paint on any gouges in the finish caused by assembly tools.

WARNING! TO AVOID INJURY TO PERSONS HANDLING BOLLARD, USE TWO PEOPLE TO TEAM LIFT AND CARRY BOLLARD. Weight of bollard is 85lbs.

PROCEDURE FOR EMBEDDING THE REMOVABLE BOLLARD SOCKET:

1. Excavate for socket footing and install drain (see Figure 1). Depth of socket is 1'-6". Footing depth is the responsibility of the installer and should comply with local and national building codes. Frost depth should be taken into consideration. Landscape Forms recommends 24" minimum depth to fully retain the socket.
Failure to allow for proper drainage may void the standard Landscape Forms warranty.
2. Before pouring concrete, make sure the socket is plumb and in the correct orientation. The top of the socket should be flush with the top of the concrete after installation. NOTE: An alignment guide is built into the assembly. The alignment guide consists of a flat edge on one of the components. This flat edge aligns with the Front of the bollard. See Fig. 3.
3. Make sure lower end of socket is sealed to prevent concrete from entering. PVC cap may be cut to fit drain connection.
4. Cover top of socket to prevent concrete from entering.
5. Once the concrete has cured, the bollard tube cannot be moved. Plumb the bollard before pouring concrete. After pouring concrete around the bollard tube, re-check plumb.
6. Gently clean all concrete splatter off of the bollard tube. Allow concrete to fully cure.

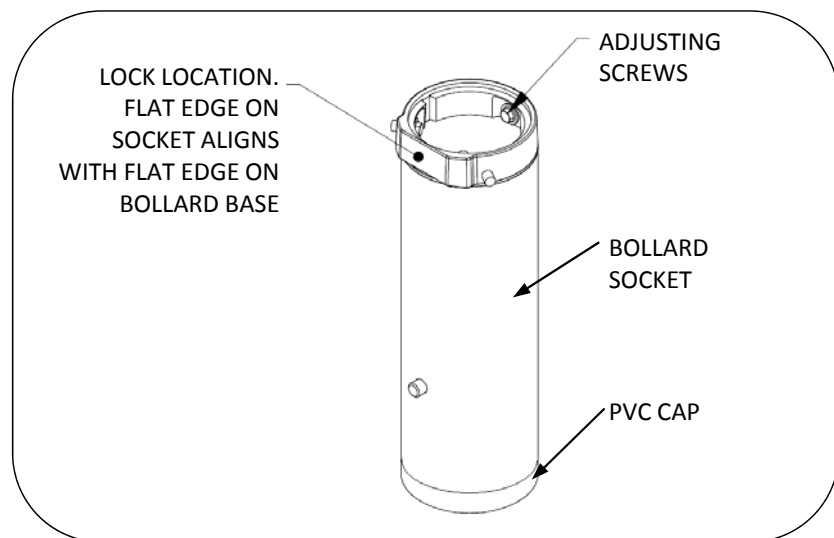


FIG. 3 - REMOVABLE BOLLARD ASSEMBLY

PROCEDURE FOR INSTALLING REMOVABLE BOLLARD:

1. Remove socket cover plate. (Hint: use a flat blade screwdriver to pry up edge)
2. Store socket cover plate below cross bar inside socket.
3. Use key to open bollard latch (key horizontal). Remove key.
4. Position bollard near socket and align 2 slots in bollard with bar in socket. The lock should be oriented on the same side as the flat alignment guide of the socket.
5. The bollard has a bottom bracket with a flat edge that should align with the flat edge on the socket. This is considered the front of the bollard.
6. Ease bollard into socket. Twist until bars fit into slots.

CAUTION! Dropping bollard into socket may damage bollard or socket.

7. Check bollard for level.
8. If the bollard is not level, carefully lift the bollard out of the socket.
9. Using the 1/2" wrench, adjust the 3 screws inside the socket to adjust bollard alignment and to improve the fit of the bollard inside the socket. The bolts have nylon patches to resist movement after installation. See Fig. 3.
10. Ease bollard into socket. Twist until bars fit into slots. Recheck level. Repeat steps 8 and 9 as necessary.
11. Use key to close latch (key will be vertical). Remove key.
12. Pull up on bollard tube assembly to insure latch is engaged.

PROCEDURE FOR REMOVING REMOVABLE BOLLARD:

1. Use key to open latch (key will be horizontal). Remove key.

WARNING! TO AVOID INJURY TO PERSONS HANDLING BOLLARD, USE TWO PERSONS TO TEAM LIFT AND CARRY BOLLARD. Weight of bollard is 85 lbs.

2. Carefully lift bollard out of socket and store on non-marring surface.
3. Retrieve socket cover plate from bottom of socket.
4. Place cover plate onto socket making sure it is sitting flat and below the socket surface.

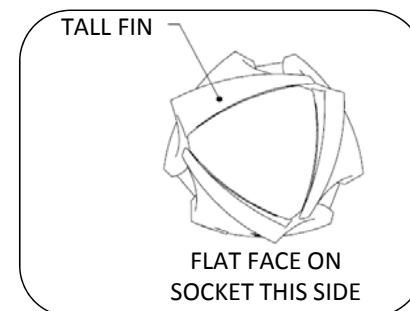


FIG. 4 - PLAN VIEW