



Dixie Precast, Inc.
Steel Retaining Wall
Installation Instructions

The Dixie Precast Steel Retaining Wall is composed of galvanized steel panels that are 2', 4', and 6' high and 5' in length. All posts and associated hardware are also made of galvanized steel. The walls are supplied complete with all parts required for installation. The steel retaining wall assembles similar to a door hinge. Each panel has a hinge portion with interlocking "hinge" pipes on both ends. When assembled, the panels are pinned together by the post. The hinge effect allows the wall to be contoured as required.

Recommended installations are applicable in both convex and concave arrangements. To insure proper retainage and support, all procedures should be followed, including installation of anchors and back supports. Installation heights of over 6' shall be installed with a tiered approach. Recommended wall separation for tiered applications shall be approximately 2' – 4' between wall locations.

Installation Procedure:

1. Lay out the area for the wall installation. Insure the area where the actual wall will be placed (the footprint) is relatively level. This allows the panels to be installed easier.



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2. Starting with one of the end panels, place the panel in position. Drive the end post into place to the depth as specified on the drawing.
3. Slide the next panel into position, interlacing the hinge pipes. Place the post in the hinge and drive to the correct depth.



4. Continue installing the panels as required. The last end post is driven into place after the last panel is set.
5. Install the back anchors as shown on the drawings. The anchors should be located as to not interfere with the foundation or structure. The tie back cable is placed around the posts between the hinge pipe sections and secured with the supplied cable clamps.

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6. The other end of the cable is secured to the clevis end of the anchor. One cable is supplied for each post (excluding end posts). One anchor is supplied for every two cables.



7. Backfill the area behind the wall with appropriate material. Material should be tamped to 90% compaction.
8. If the wall is supplied with a handrail, the cable is ran through the eyebolts on the pipe caps and secured with the cable clamps. The cable guards are installed on the cable as required.

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Pipe caps are installed on top of the posts with hex head allen wrench.

9. Complete installation and backfill for finished installation.



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