DURA-CRETE WALLS

2026

INSTALLATION GUIDE

DUMPSTER ENCLOSURE - STEEL POSTS

www.duracretewalls.com

TOOLS

For additional support please
contact us at 586.759.4286 or
info@duracretewalls.com

RECOMMENDED TOOLS

Laser Level
Post markers / spray paint
Guide string
Wrench
Level - magnetic level recommended
Epoxy
Impact driver
Hammer drill bit
Shims
Skid steer – forks & boom
Scissor clamp slab grip
Chop saw
Concrete saw blade
Gloves
PPE

INSTALLATION STEPS

Post Setup –

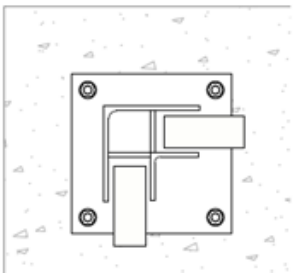
Place posts according to desired layout, measure and mark anchor rod locations.
Tip: For larger enclosures that include line posts, align all corner posts first before placing line posts

Maximum Post Spacing

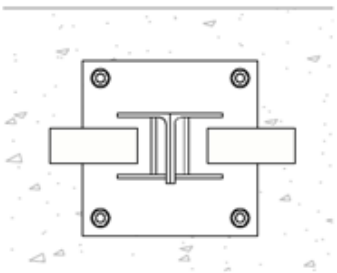
Line to Line	9'11-1/4" center-to-center post plate
Corner to Corner	9'10-1/2" center-to-center post plate
Corner to Line	9'9-3/4" center-to-center post plate

Posts should be at least 3” from edge of concrete pad.
See Additional Details for concrete pad foundation requirements.

Corner Post



Line Post

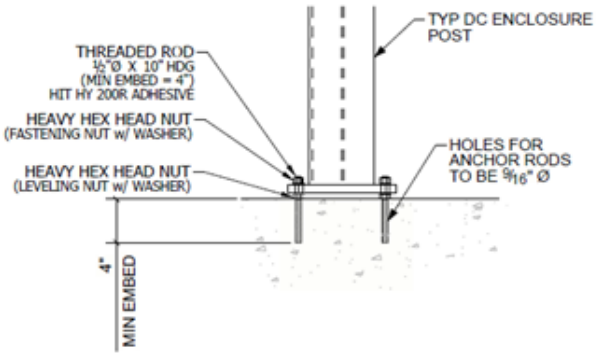


Install Anchor Rods –

After posts are aligned and holes for anchor rod placement are marked, remove posts to drill and set anchor rods.
Tip: Run a string line 3" from the edge of the pad to support proper alighment and position

Drill 9/16” holes into concrete pad for anchor rods. **A 4” deep embedment into concrete pad is recommended for standard 6' and 8' heights.**

Insert and secure (4) 10 inch anchor rods per plate using epoxy grout per manufacturer's instruction (see **Additional Details** for grout recommendations). Attach (1) leveling nut and (1) flat washer to each anchor rod at pad height - ensuring grout does not impeded movement.



Install Posts –

Determine the highest and lowest points of the concrete slab.
Tip: Use a laser level to accurately confirm slab elevations.

Begin installation at the highest point of the slab. Position the first post so the baseplate sits as close as possible to the concrete surface.

The elevation of this first post will establish the reference height for all remaining posts. Each subsequent post baseplate should be leveled - using the supplied leveling nuts and washers - to match the elevation of the first post baseplate.

Due to variations in the flatwork concrete grade, gaps may occur beneath certain baseplates while ensuring all posts remain plumb and level to one another. **For best results, concrete pads should not exceed a 1" grade change over 10' (+/- 0.5 degree OR an 1/8" to every 12").** Where slab grades exceed this tolerance, **extended anchor rods** (available for purchase upon request) may be required to accommodate raised or stair-stepped post placement while maintaining the minimum embedment requirement.

Once posts are properly aligned and leveled, secure each post using (1) washer and (1) nut per anchor rod.

If additional adjustment is required, shims - in lieu of or in addition to the provided leveling nuts and washers - may be installed beneath the baseplate to achieve proper elevation, leveling, and alignment.

Note: Elevating baseplates above the concrete slab, resulting in exposed anchor rods beneath the baseplate, is acceptable and structurally sound provided the minimum anchor embedment depth and slab requirements are maintained.

Verify all baseplates are level relative to one another. Trim excess anchor rod as needed, then fully tighten all nuts using an impact driver.

Install Concrete Slats –

Place 1/8" x 2" x 5" rubber slat pads into post channel on baseplate before stacking concrete slats.

For line posts that will be receiving a factory finished (uncut) slat end, insert c-channel into post channel and secure using 4 bolts into pre-drilled holes. *Do this prior to inserting concrete slats.*

Unstrap concrete slat units and **sweep the top free of debris**.
Using a skid steer, boom arm, and scissor clamp slab grip (rated for a minimum of 175 lbs) lift Dura-Crete slats and lower them into place inside the steel post channel.

Tip: Have 1-2 people on the ground to guide the slats into proper position. Adjust slat as needed by hand to ensure it is in an even, level, and centered position.

Stack additional slats on top using the tongue & grooved edge to properly align. Groove side should always be along the bottom, tongue side goes on top. Continue stacking slats on all three sides until enclosure is complete. *Note: For the Offset Block style, rotate slats' position/pattern as needed to achieve the correct off-set look. For Vertex, do the same to achieve a varied look, unless an in-line pattern is desired.*

Install Gates –

Using (2) 3" bolts, (2) nuts, and (2) washers per hinge, attach the gate hinges to the gate frame.

Once hinges are attached to the gate frame, lift the gate into place (one leaf at a time) and attach to the pre-drilled gate posts using (2) 1-3/4" bolts, (2) nuts, and (2) washers per hinge. Start with the top hinge before moving to the bottom. Check alignment before tightening bolts fully. Adjust as needed to ensure the gate is plumb and level, then fully tighten bolts.

Swing gate open and closed to make sure it moves freely. Use a level to confirm it's hanging straight.

Repeat process with other gate leaves.

Attach Drop Rods to Gate –

Attach and secure pre-built lockable drop rod guides to gate frame.

Once drop rods are attached to the gates, mark the concrete below to indicate where it comes to rest in the closed position. Drill holes into concrete for 1-5/16" diameter drop rods to secure in place when gates are closed. Repeat process if it is desired to have gates lock into place when open.

Additional Details

Foundation –

For a 10x10’ enclosure, the minimum dimensions of the concrete pads are 11’0-3/4” x 11’0-3/4”. *For other enclosure layouts please see detail to verify.*

Grade allowance for concrete pad - 1" to every 10'-0" (0.50° or 1/8" to 12").

Enclosures <8'-0" tall require a min. 6" thick slab foundation.
Enclosures =/> 8'-0" (up to 10') tall require a min. 6" thick slab foundation.
Enclosures 10'-0" tall and above will require post footings.

Short Panels –

Measure, mark, and cut individual slats to size using a chop saw with a concrete saw blade.

Tip: Cut straight line along the side, then cut relief groove along the bottom before cutting down from top.

Notch cut ends as needed to fit inside steel post channel.
It is recommended that all cut ends are kept on the same side of the panel.

Ensure slat rotation as needed before cutting to maintain desired pattern while keeping all cut ends on the same side of the panel.

Epoxy Grout –

HIT-HY 200-R V3 Adhesive anchor or equivalent recommended.
HIT-HY 200-A V3 Adhesive anchor or equivalent recommended for cold weather installations.