The Foothold ICF Footing System

Install Guide

Cut 2” foam to 10” planks for the sides and 2 ¾” planks for the tops. (If you are pouring footings only skip the top foam planks 2 ¾”.

Space six ties on eight foot planks Three inches in from each end and eighteen inches o.c. in between (layout ex. 3 – 21 – 39 – 57 – 75 - 93)

Drive a three inch coarse thread deck or drywall screw through the side hole in the ties so it catches the plastic on the other side. Slide top pieces in and pin them in place with a three inch screw through the side piece.

For corners cut an eight foot plank at fifty nine and three quarter inches on a forty five degree angle long point, the remaining piece should be the proper size for the short leg.

For each leg of the corner use three ties evenly spaced and one half tie about 9 inches from the end (cut it near the vertical strut and tie the vertical struts together)

Put both legs of the corner together with three long strips of heavy duty duct tape around the outside and two around the inside. Check for square and trim the ends if necessary.

Grade the crushed stone at the bottom of the trench to plus or minus one inch or less.

Stake the building corners in the trench, stretch a stringline, and paint the crushed stone to show the edge of building line

Lay the rebar in the trench near the center

Set the footing form corners at their proper place according to the lines in the trench

Fill in between the corners with full footing forms and cut the last one to fit, lining up with the paint line and shimming and leveling as you go Find the high point of the trench and shim the footing forms up to that point using scrap foam shims every 4 feet (a laser level is helpful)

Lift the rebar into the hooks and zip tie the rebar to a Foothold tie every 8 feet

Recheck for straight and level and drive a stake every 8 feet and screw or zip tie it to a Foothold tie

Carefully back up the sides with stone half way up the footing form, do both sides as you move along

Set ICF forms starting at the corners and cut the last form to fit.

Set string line about 2 inches down from the top and 1/2 inch out.

Attach a 2 x 4 horizontal waler and run a diagonal brace back to the dirt and stake into the ground

Run a bead of spray foam where ICFs meet the top of the footing form (optional)

Recheck height and cut top of foam if necessary

Pour a **six inch slump** concrete **slow and steady** filling the footing and one half of the first course on the first pass then top it off slow and steady on the second pass. Talk to the concrete driver or pump operator and tell them this is important.