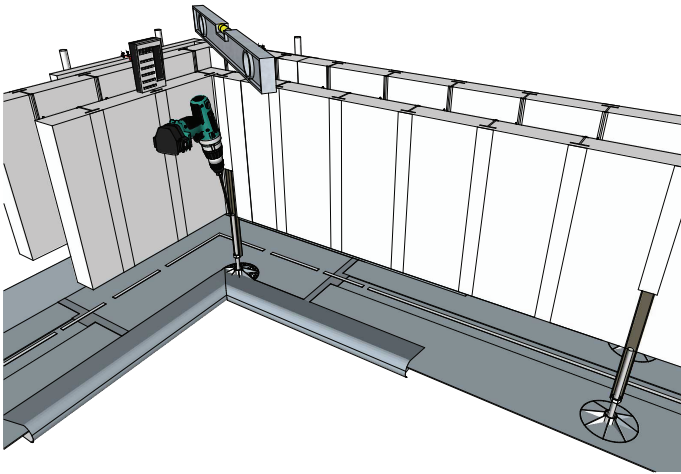
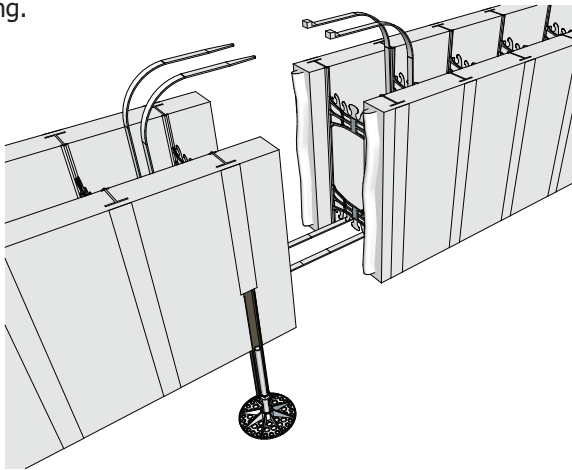


**5 - ROUGH LEVEL**

Using laser and 2' level, adjust height of corner and adjacent block to about 1/4" below final height, ensure blocks are plumb and 2" off stringline. Don't be too accurate at this stage. Continue adding blocks and rough leveling around perimeter.

**6 - MARRIAGE LINE**

A "marriage line" is required to obtain exact corner to corner distance. Cut each marriage line block to length (see working drawing). Use Zap straps or 1x4 strapping to hold joint after gluing.

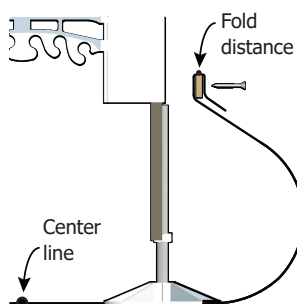


If not using Helix®, install horizontal rebar on top of the first layer of blocks. Install second layer of blocks running beads of glue on horizontal and vertical joints. Use two vertical joint clips at the top of each vertical joint. Stagger upper vertical joint two web distances from the vertical joint below.

Install rebar on top of second level. If footing steel is required, attach to side supports with tie wire or 8" zap straps. Install third layer of block and steel if required.

**7 - ATTACH FASTFOOT®**

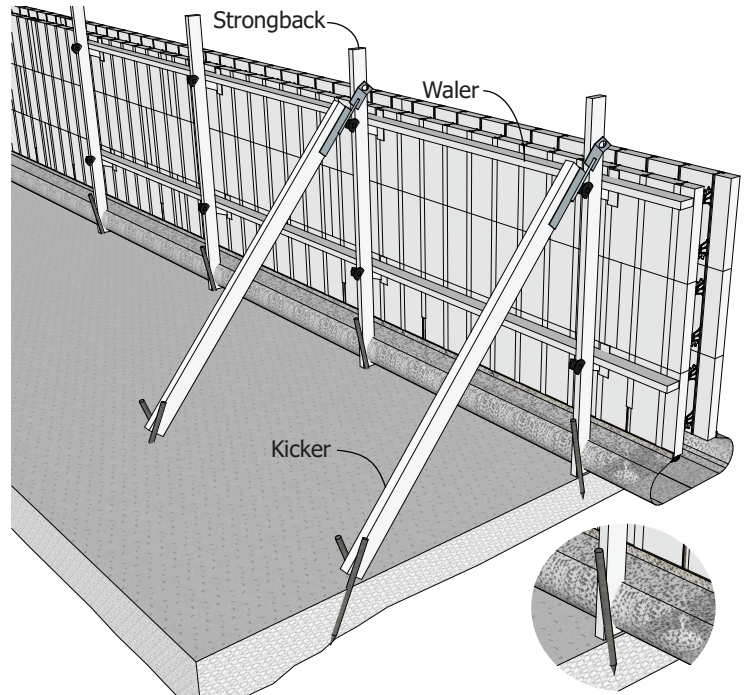
The "fold distance" is the distance from the centre line to the top of the plywood batten. Use the calculator on the installation page of our website to determine this distance. Fold Fastfoot® over the plywood batten and attach to web using #8 x 1-1/2" deck screws. Do not use the pre printed lines on the fabric as they are for conventional footings.

**8 - INSTALL ZONT® BRACING**

Install pairs of Zonts about 6' on centre, one at top of lower block and one directly above, on top of third block. Place walers and strongbacks in position around the perimeter.

Drive a stake adjacent to each strong back, move wall until it is exactly 2" off string line (ensure wall is plumb), then screw stake to strongback.

Screw Zuckle™ to one end of a suitably sized 2x4, then screw Zuckle near the top of strongback, or if a walkway will be installed, just under 2x10. Ensure Zuckle is in mid-range of adjustment and double stake end of 2x4 kicker to ground. Plumb strong back exactly with electric drill on Zuckle™. Your wall is now rigidly held in exact X-Y position.

**9 - FINAL HEIGHT ADJUSTMENT**

Back off Camlocks™ to allow wall height adjustment. Use drill on bracing side to raise wall until laser sensor sounds. Tighten Camlocks. Then person on opposite side uses clutched drill (on low setting) to lower pad until clutch slippage occurs, indicating load taken by side support (do not over lower or wall can lift).

Screw all battens next to side supports to complete Fastfoot.

Continue building the ICF wall to the required height, installing catwalk if over 6' in height (see bracing instructions on web).

Set up stringlines on the top of the wall using 1x2 spacers, and adjust Zuckles to ensure the wall is straight between the corners. Check diagonal distances as detailed on working drawings.

**10 - CONCRETE POUR**

Ensure eccentric pressures are supported appropriately, eg: brace the outside of any "T", including the footing.

If pumping Helix reinforced concrete ensure hose diameter is least 3". Ensure lifts are properly consolidated.

Order concrete with 5 to 6" slump, concrete should flow into footing. Pour the footing + 6" of the first block. Do NOT overfill the wall or the footing fabric will LIFT the wall. Allow sufficient time for the footing concrete to "go off". In summer this will take no time; in winter allow up to one hour.

Zuckle adjust top of wall to each stringline. Laser screed top of wall to ensure exact elevation.