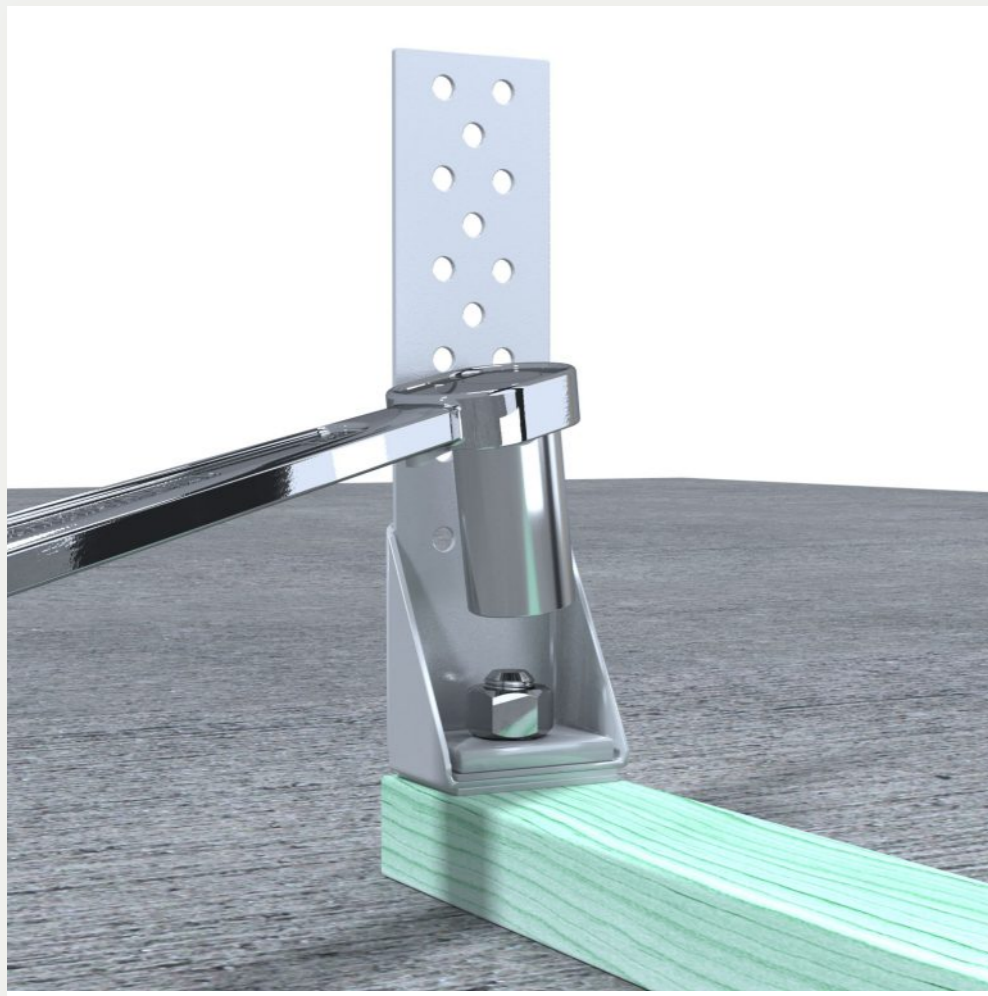


Installation Guide – MegaHold Down Bracket Face Inside



Step 1

Fix the anchor* in the concrete slab at the designed location without tightening it.

Trim a piece of framing timber and position it beneath the MegaHold Down bracket. Next, affix the MegaHold Down bracket on top of the bottom plate section, ensuring the 10mm thick washer plate is situated under the concrete anchor nut.

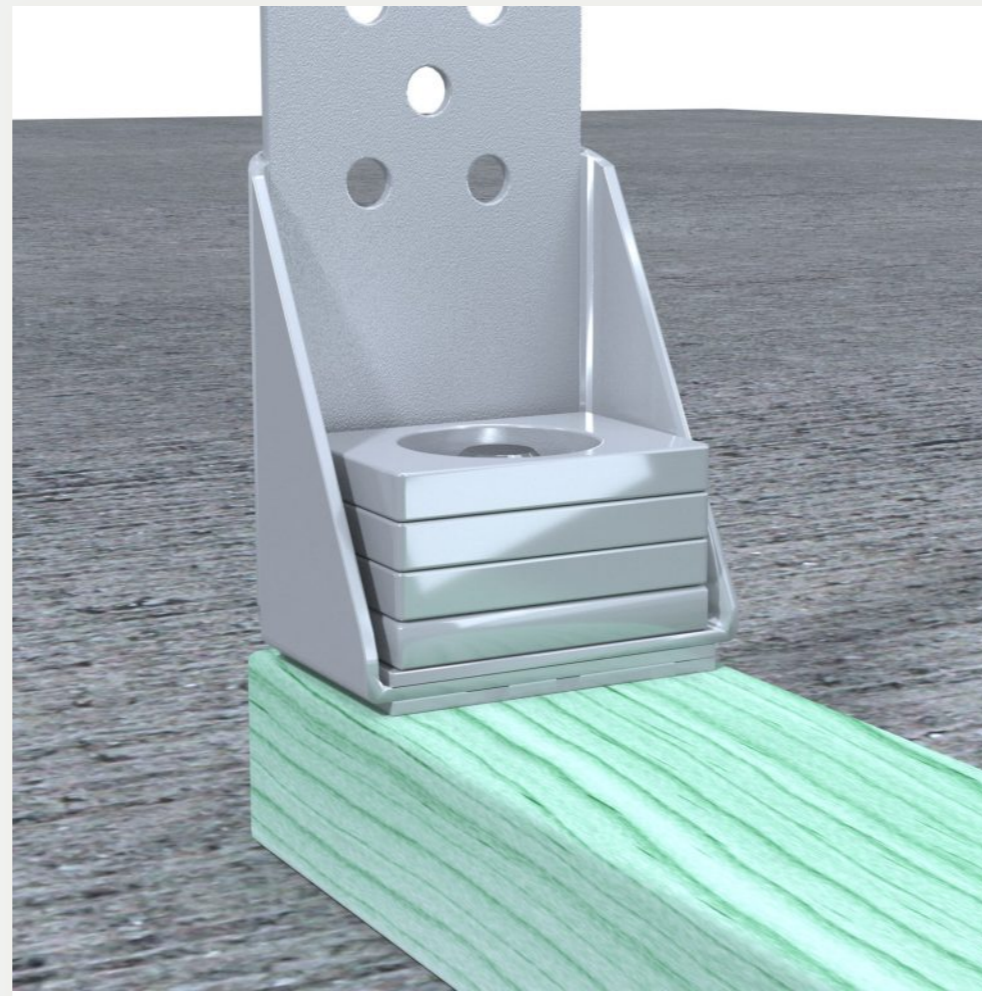
Apply adequate torque to tighten the concrete anchor according to the anchor supplier's instructions.

Note:

- The framing timber section shall be the same cross section size as the adjacent wall bottom plate.
- The length of the section shall be the same as the width of glulam.

Anchor*:

M20 for Small and Medium Short Wall Bracing kits (STD200-100, STD200-150, STD320-100 & STD320-150)



Step 2

Place 3 x spacers over the nut.



Step 3

Fit the glulam short wall member inside the MegaHold Down bracket. Ensure the glulam seat is directly on the spacer and temporarily prop the glulam member.

Note:

Note: Plane down the thickness of the glulam corners to around

- 64mm for Small Short Wall Bracing kits (STD200-100 & STD200-150) or
- 84mm for Medium Short Wall Bracing kits (STD320-100 & STD320-150)

if the glulam is too thick to fit inside the MegaHold bracket comfortably.



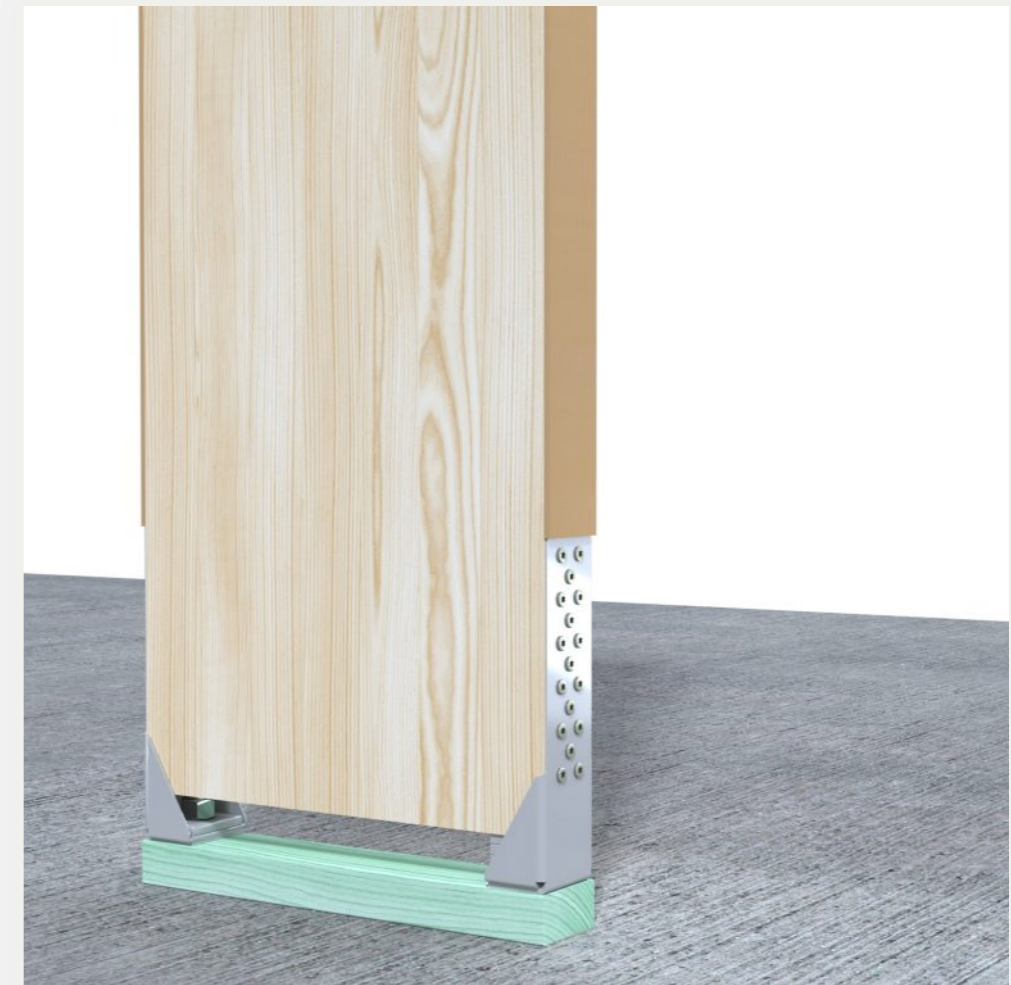
Step 4

Pre-drill all screws with a 5.0mm diameter drill bit. Pre-drilled hole depth shall be similar to but no deeper than the penetration depth of the screw.



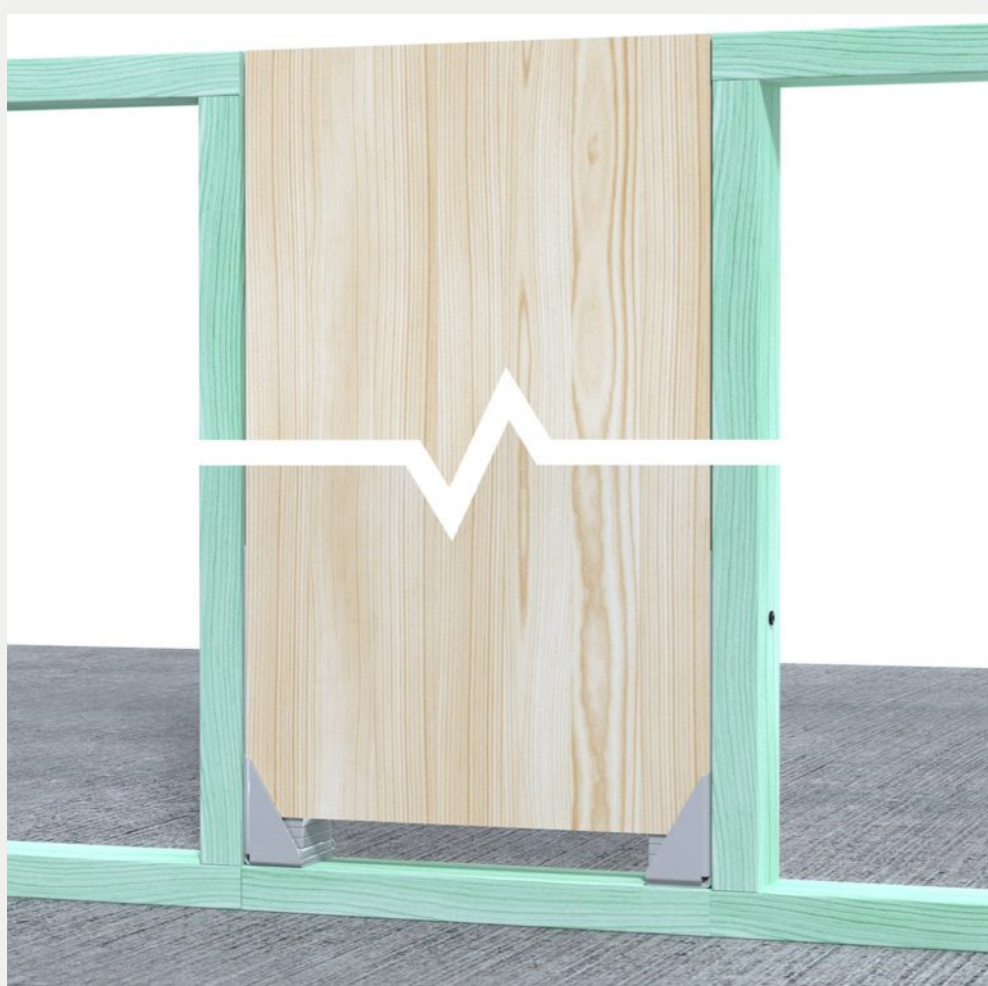
Step 5

Install the screws. Fill all the holes on the MegaHold bracket. Recommended torque setting to be no more than 10 N.m



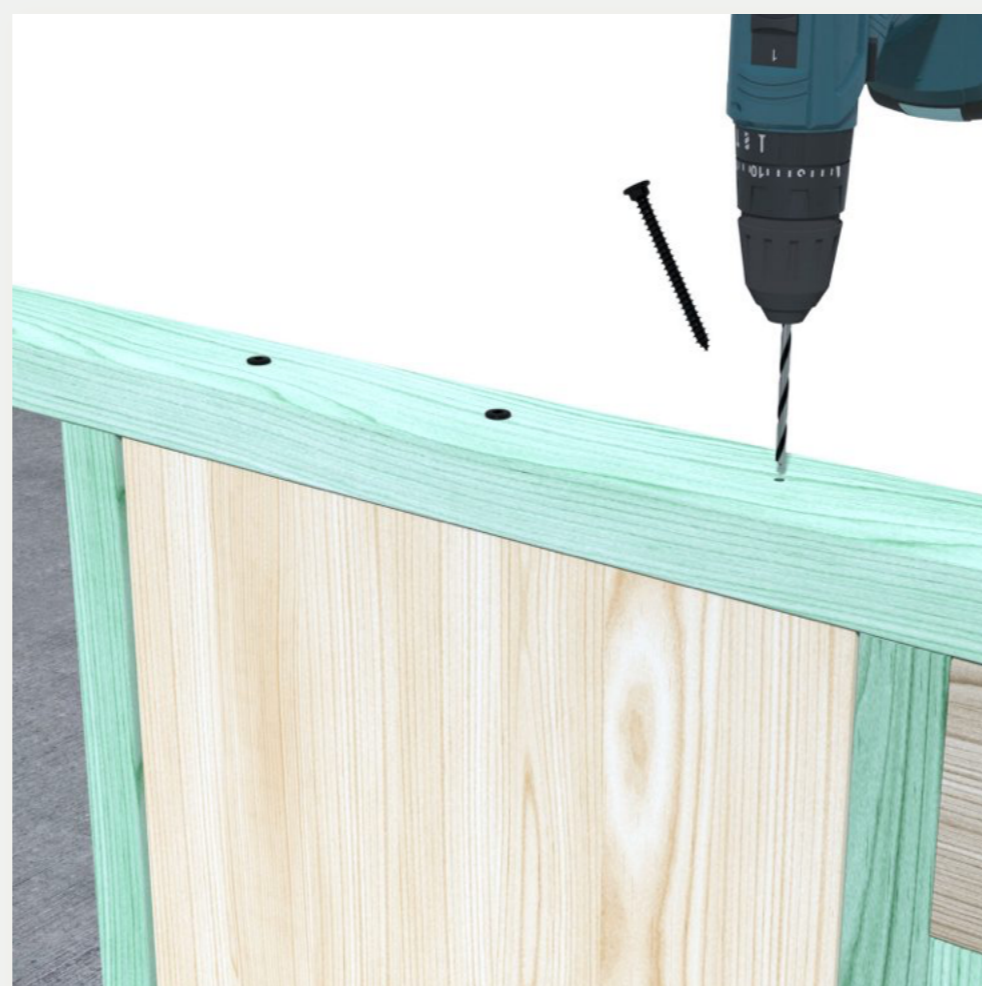
Step 6

Apply 6mm of packing material on both sides of the GLT above the bracket, extending to the bottom of the top plate, to maintain the straightness of the stud.



Step 7

Install wall panels next to the short wall according to the engineering plan.



Step 8

Pre-drill* screw locations and install** following number of screws to fix the top plate to glulam:

- 3 screws for GLT size up to 360
- 4 screws for GLT size up to 500
- 5 screws for GLT size up to 600

Pre-drill:* Pre-drill screw location with a 5mm diameter drill bit. Pre-drill hole depth shall be similar to but no deeper than the penetration depth of the screws.

*Install**:* The recommended torque setting is to be no more than 10 N.m.

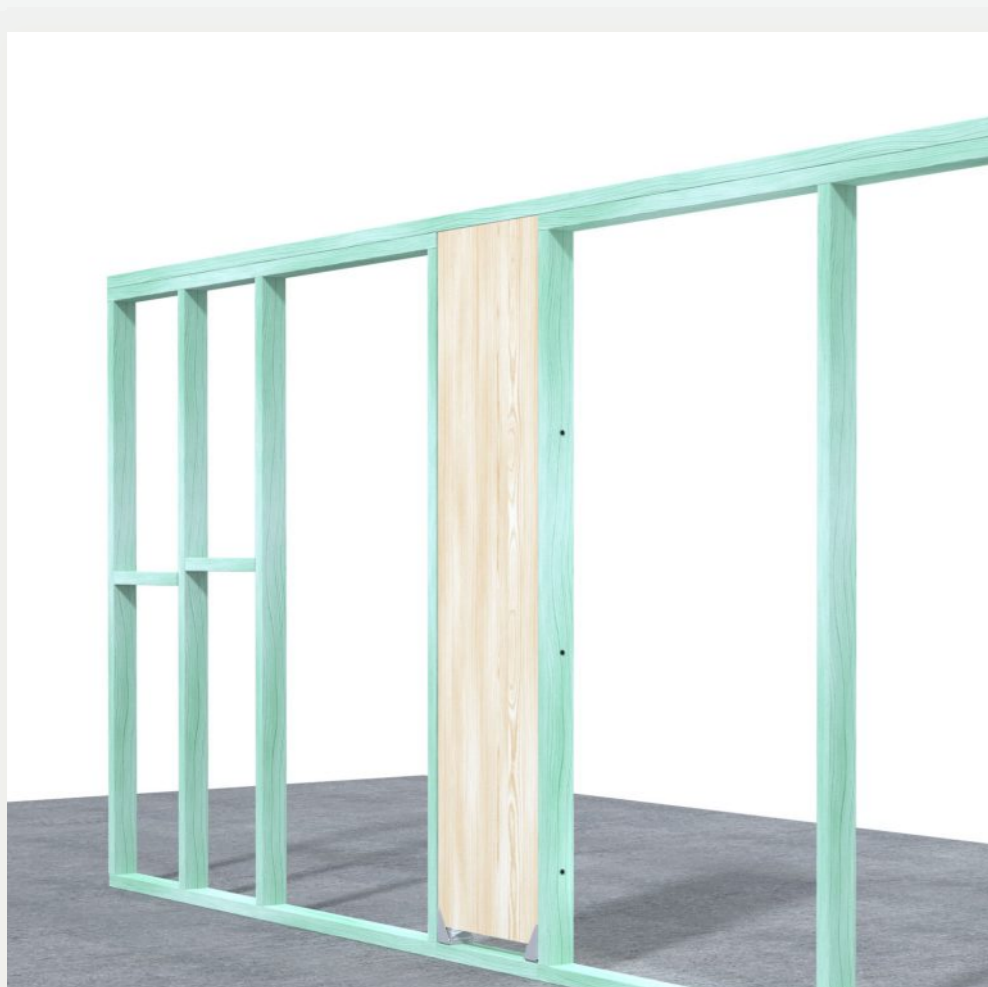


Step 9

Pre-drill* screw locations and install** screws from the studs to the glulam short wall member at 600mm maximum spacing along the full length of the stud. Ensure that each screw embeds into the GLT member by at least 56mm.

Pre-drill:* Pre-drill screw location with a 5mm diameter drill bit. Pre-drill hole depth shall be similar to but no deeper than the penetration depth of the screws.

*Install**:* The recommended torque setting is to be no more than 10 N.m.



Step 10

Job Done!