Panel Base Connector*

Eliminate misaligned embed plates and field welding by bolting panels directly to the foundation

The Panel Base Connector is easy to position and fasten at the bottom edge of the form. It can be placed in either a face-up or face-down orientation depending on the forming and handling preference.

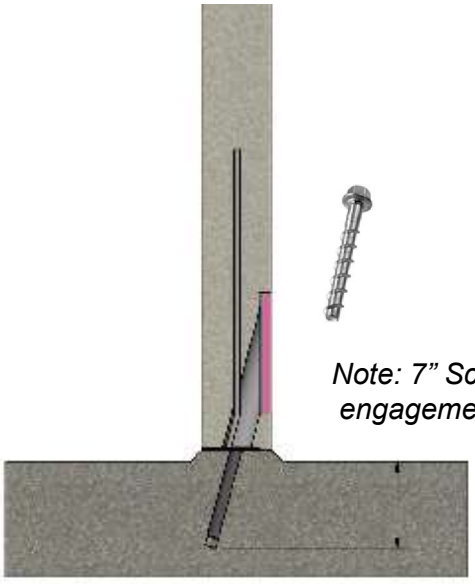
The high-strength, drill-in 3/4”x10” screw anchor provides an immediate and secure connection when tightened. There is no grout set-up or wait time.

The connection is centered in the concrete panel, minimizing moment and eccentric forces in the design, and resisting in-plane tension and out-of-plane shear forces.

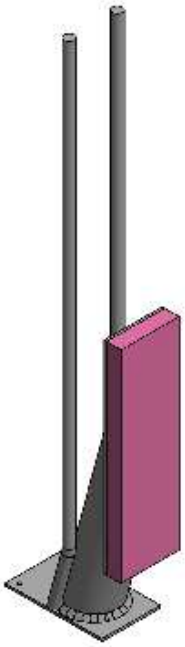
The connection provides a nominal capacity in excess of 10 Kips for shear and tension, meeting the applicable ACI requirements.

The relatively small access area is easy to grout, providing complete embedment and encapsulation for corrosion protection.

Meets ACI integrity requirements of ACI-318 -11 16.5.1.3(b) ACI318-14 16.2.4.3(b), ACI-318-19 16.2.4.3 (b), and ACI 551.2R-15 Chapter 8.



Note: 7” Screw Anchor engagement required



Average tensile test value is 34,896 lbs in 6,555 psi concrete.
Conversion from psi to tensile:
6000 psi = 33,381 lbs
5000 psi = 30,472 lbs
4000 psi = 27,255 lbs
3000 psi = 23,604 lbs

Testing observed and verified by a Professional Engineer.

Panel Base Connector	
Part No.	**Description**
SBPBC34HD	Panel Base Connector
SBPBCSA3410	Screw Anchor 3/4” x 10”

**** U.S. Patent Pending***

SureBuilT
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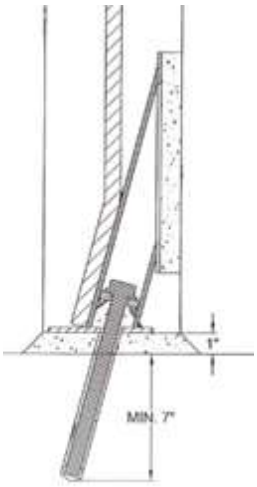
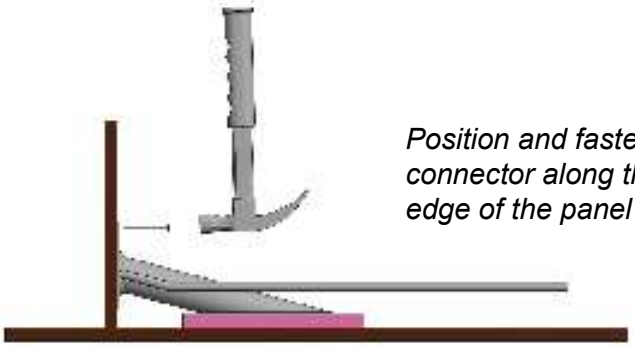
Basic Installation

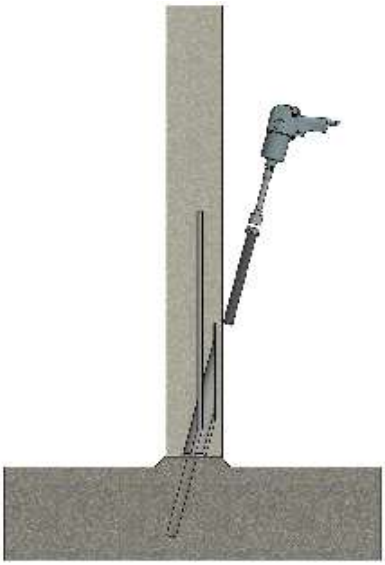


1. Position and fasten the Panel Base Connector to the desired location(s) in the bottom edge of panel formwork using the holes provided.
2. Cast, lift, handle and erect the completed panel on the concrete footing or foundation as typical.
3. Remove the foam cover from the face of Panel Base Connector.
4. Drill a minimum 3/4” x 7” hole, using a 3/4” x 24”, bit through the opening of the Panel Base Connector into the footing or foundation.
5. Clean/vacuum the concrete dust from each hole.
6. Place a 3/4” x 10” screw anchor though the Panel Base Connector into the footing or foundation.
7. Torque anchor into the footing or foundation with a maximum of 150 ft.-lbs. Do <u>not</u> over-torque anchor.
8. Fill the access cavity with grout and finish flush with panel surface.

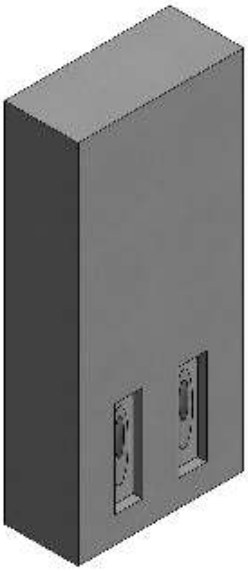


Position and fasten the connector along the bottom edge of the panel formwork.

Drill a 3/4” x 7” hole, using a 3/4” x 24” bit, through the opening of the connector into the footing or foundation.



Place a 3/4” x 10” screw anchor though the connector and footing or foundation, then torque to 150 ft-lbs.



Fill the cavity with grout and finish flush with surface.