

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, purpose designed 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.

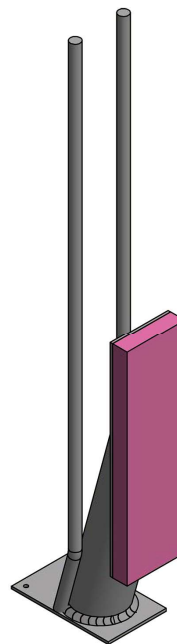
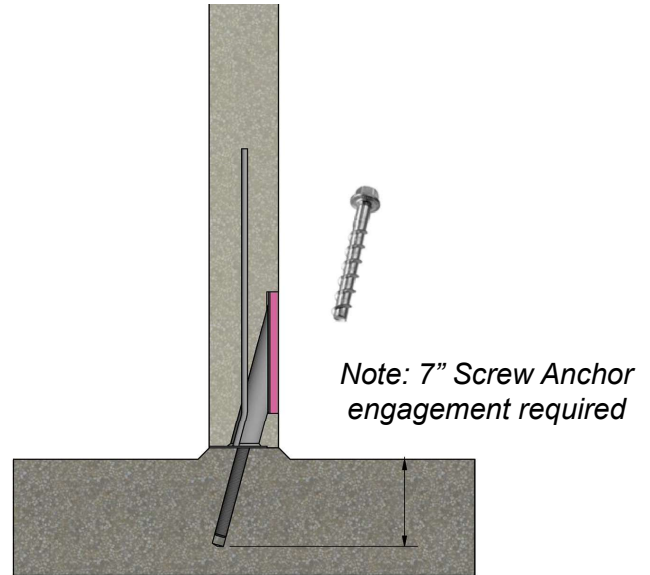
The relatively small access area is easy to grout, providing complete embedment and encapsulation for corrosion protection.

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.

Panel Base Connector Kit	
Part No.	Description
SBPBC34HD10KIT	Panel Base Connector Kit w/ 3/4" x 10" Screw Anchor
SBPBC34HD12KIT	Panel Base Connector Kit w/ 3/4" x 12" Screw Anchor

* 12" available if spacing between bottom of panel and footing is more than 2".

* Patent No.: U.S. 11,891,790



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.

SureBuilt
Concrete Forms & Accessories

840 South 25th Ave
Bellwood, IL 60104
708-493-9569
www.surebuilt-usa.com



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 the 3/4" x 10" screw anchor through 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 not over-torque anchor.
8. Fill the access cavity with grout and finish flush with panel surface.

