

Slant Anchor*

Unique anchor provides simple panel-to-foundation connection without welding or bolting

The Slant Anchor assembly connects tilt-up or precast panels to the foundation. The assembly includes a load-rated Slant Anchor, foam Void Former, high-strength Ductile Bar and pre-packaged Grout.

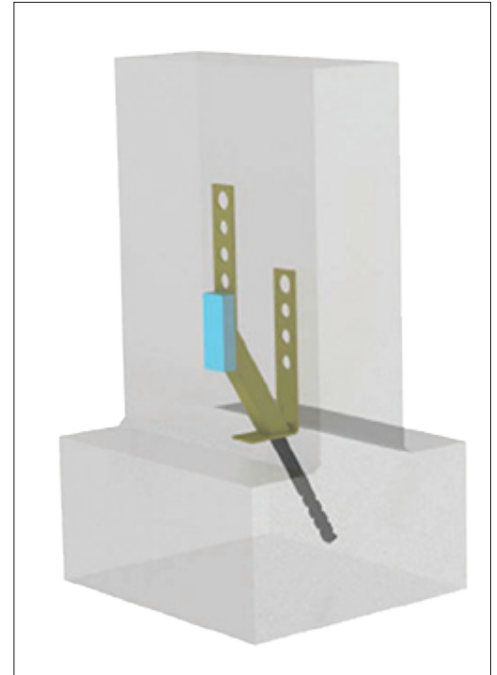
The Slant Anchor is integral to panel design and planning. The anchor is positioned and reinforced in each panel during concrete forming operations. The foam Void Former covers the connection sleeve during concrete placement.

Once a completed tilt-up panel is ready for installation, the foam Void Former is removed. The opening for the connection sleeve is now visible and accessible for subsequent anchoring.

Each panel is positioned on the foundation and braced. A hole is drilled into the foundation footing using the connection sleeve as a guide. This puts the load path near the center line of the panel.

The hole is then partially grouted, the Ductile Bar inserted, and the remaining grout used to fill the sleeve. This grouted connection anchors the panel without welding or bolting.

The installation meets ACI-318-14 16.2.4.3 (b). tensile strength of 10,000 lbs for panel-to-foundation connections. The working load of the Slant Anchor is 9,000 lbs for uplift, horizontal and shear forces, at a 3:1 safety factor.



The Slant Anchor assembly provides a load-rated panel connection and a 37% savings compared to typical embed welding or bolting.



The Slant Anchor is simply positioned and nailed to the form.



After the installation is complete, there is only a small opening to patch.

*** U.S. Patent Pending**

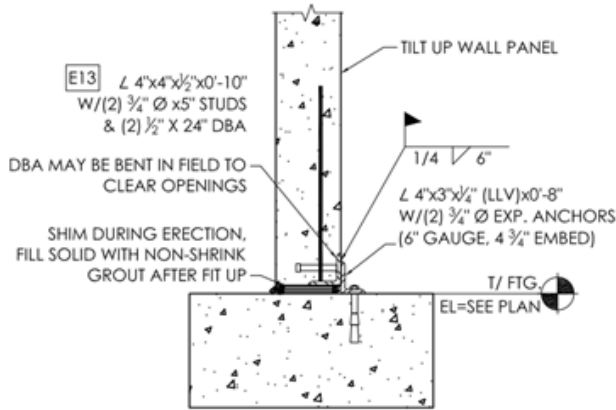
SureBuilt
Concrete Forms & Accessories

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

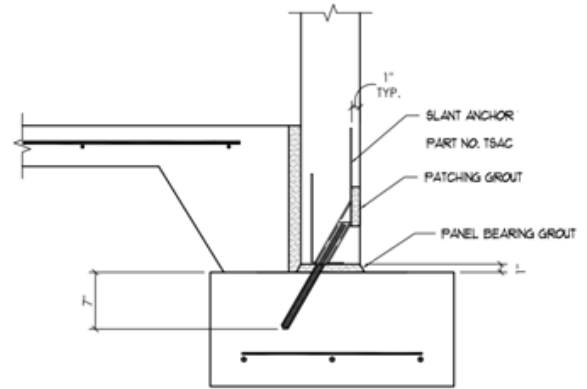


Save 37% with Slant Anchor* installation!

Typical Embed Connection



Slant Anchor Connection



Embed with welded and bolted angle:

E13 embed (wall)	\$20.00
Placement	5.00
Angle 3x4x3x1/4 with holes (connection)	10.00
Drill holes (2@ \$10.00/ea)	20.00
Wedge anchors (2@ \$4.00/ea)	8.00
Mount bolts 2 anchors (footing)	10.00
Weld angle (field welding @ \$5.00/inch)	30.00
Bolted embed cost	\$103.00

Embed with fully welded angle:

E13 embed (wall)	\$20.00
Placement	5.00
Angle 10x4x3x3/8 (connection)	8.00
Plate 1/2x6x12 with 4-5/8 studs (footing)	15.00
Weld angle (field welding @ \$4.60/inch)	55.00
Welded embed cost	\$103.00

Slant Anchor:

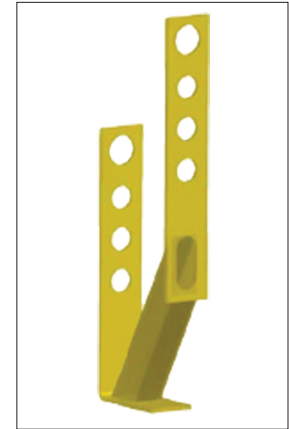
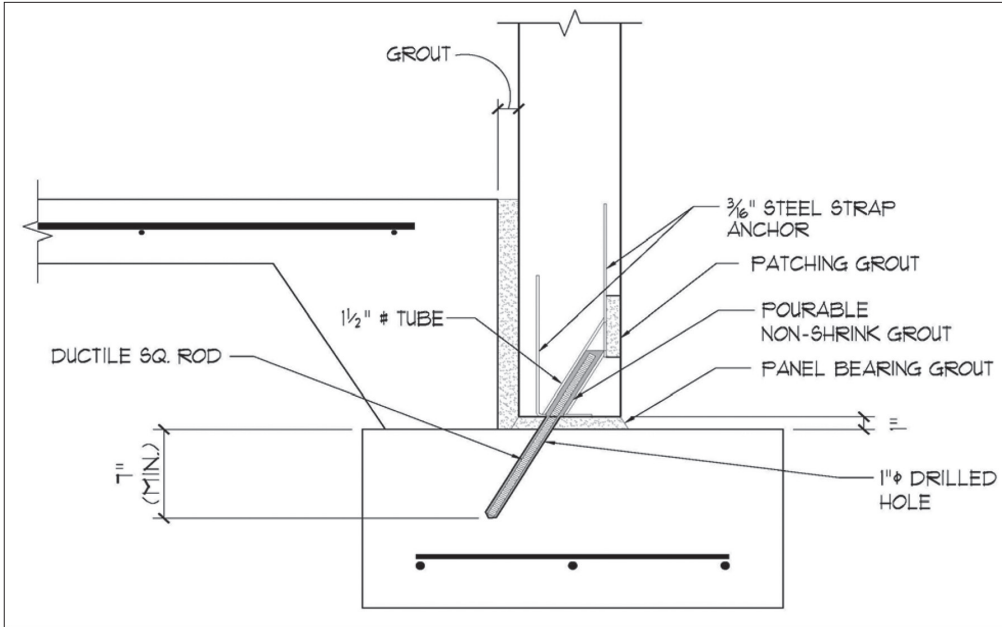
Anchor set, embed, grout, anchor	\$62.50
Placement	5.00
Drill 1" hole	10.00
Clean and grout anchor	5.00
Slant Anchor cost	\$82.50

Save money with every Slant Anchor!

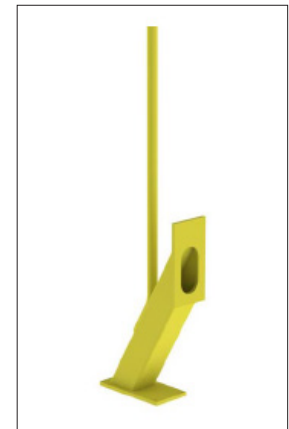
- No embeds to match and weld
- No welding certification needed
- No welding inspection needed
- Fewer components to buy
- Faster installation time
- Panel "locks" in place with grouting
- Replaces pour strip in some cases
- No exposed parts, no corrosion
- Documented field performance

Note: In some cases, the Slant Anchor is more economical than a pour strip.

* U.S. Patent Pending



Slant Anchor
Standard Type*



Slant Anchor
Slim Panel Type*

Slant Anchor*				
Model	Panel Width	Part Number	Grout	Finish
Slim Panel	5-1/2" to 7"	SBPSAC	Cement	Painted
		SBPSACG		Galvanized
Standard	7" minimum	SBTSAC	Cement	Painted
		SBTSACG		Galvanized

Slant Anchor Installation Guidelines

1. Position and secure the Slant Anchor before casting panel.
2. Erect panel, brace and install bearing grout as required.
3. Locate and remove foam Void Former from connection face.
4. Drill 1" dia. hole into the foundation using the sleeve as a guide.
5. Remove dust from hole using compressed air, vacuum and/or bottle brush.
6. Mix Flowable Grout and pour into the connection cavity until half full.
7. Place Ductile Bar into sleeve and foundation immediately after grouting.
8. Add additional grout to cover the bar and fill the cavity.
9. Allow grout to cure before patching/finishing the panel face.



Ductile Bar

* U.S. Patent Pending