PERMA-COLUMN®
PRO-BUILDER SOLUTIONS

Installation Guide

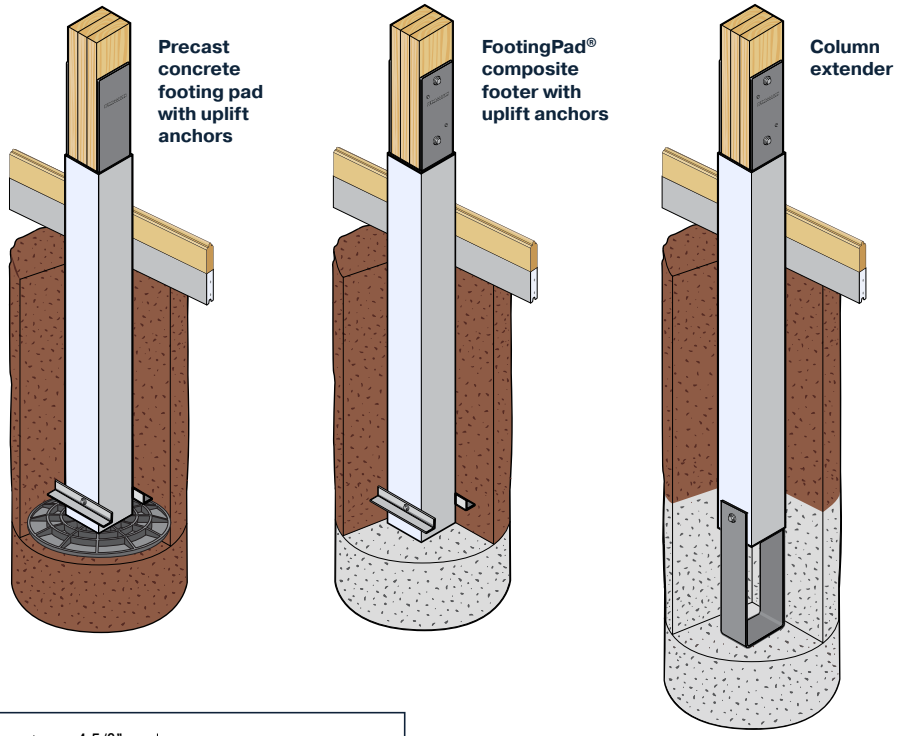
Perma-Column® precast concrete columns elevate wood out of the ground to eliminate the risk of rot and ensure structural longevity.

- **Installs the same as standard post-frame columns**
- **Builds the same as post-frame construction**
- **Lasts for generations**

HOW TO INSTALL: Place FootingPad® composite footer or concrete equivalent in bottom of hole. Tilt Perma-Column® off skid-loader forks into post hole. Perma-Column® must be placed so that the top of the precast concrete is above finished grade no more than 12-inches and no less than 8-inches in accordance with IBC Section 2304.12.2.2. Plumb the column using standard leveling procedures. Backfill the hole with suitable compacted soil, wet-poured concrete, or a self-leveling and self-compacting cementitious material.

NOTE: Steel bracket and the concrete column must not be cut or modified in any way.

ICC ES
ESR-4238



Fasteners required to secure wood columns to steel bracket:

(4) 1/4" x 3" Structural screws required (refer to ESR-4238 for specifications) for PC6300, PC6400, and PC6600.

(8) 1/4" x 3" Structural screws required (refer to ESR-4238 for specifications) for PC8300, PC8400, and PC8500.

(2) 1/2" x 6" SAE J429 Grade #5 HHCS bolt, nut, and washer required for PC6300 and PC8300.

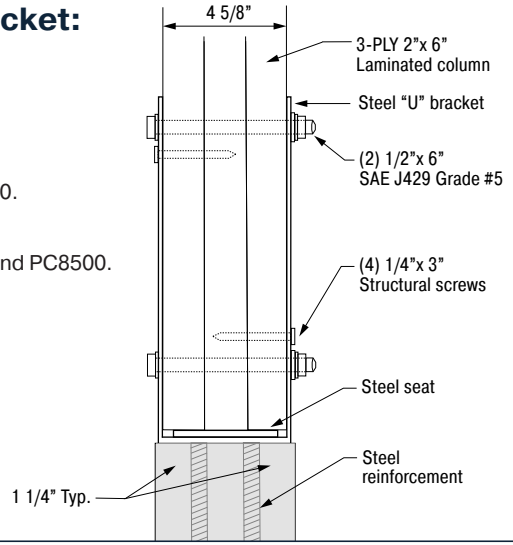
(2) 1/2" x 7" SAE J429 Grade #5 HHCS bolt, nut, and washer required for PC6600.

(2) 1/2" x 8" SAE J429 Grade #5 HHCS bolt, nut, and washer required for PC6400, PC8400, and PC8500.

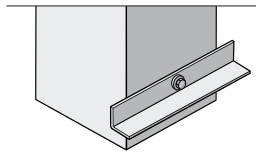
Drilling instructions: Holes must be drilled precisely perpendicular to column; widening misaligned holes in wood or steel is not acceptable.

Torque requirements: When using 1/2" SAE J429 Grade #5 bolts, insert into drilled holes and tighten nuts to approximately 110-foot pounds of torque.

NOTE: Download our product guide for solid, Nail-Lam, and Glulam model options and associated hardware kits, available on our website: **www.permacolumn.com**



Uplift Anchor



Attach uplift anchors and column extenders to sleeve* at bottom of Perma-Column® with ½" bolt, tighten firmly until component stops rotating. ½" x 7" bolt and nut required for PC6300, PC6400, and PC6600. ½" x 9" bolt and nut required for PC8300, PC8400, and PC8500.

*If sleeve is not visible, lightly tap concrete 2 ¾" up from the bottom of the post to expose the steel sleeve.

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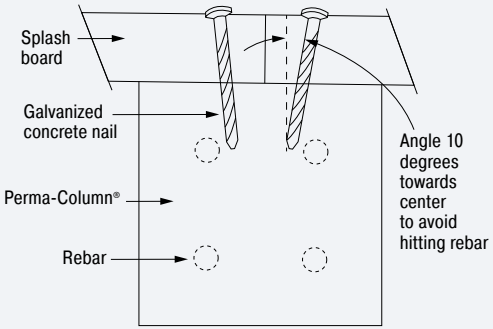
SKIRT BOARD ATTACHMENT

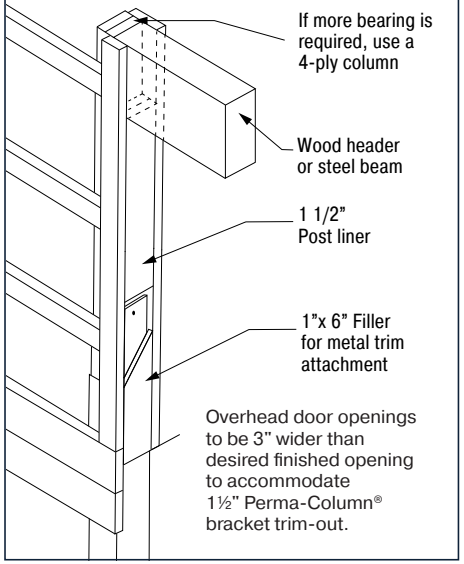


1. Drill 3/16" hole with masonry drill bit (1¼" deep)
2. Locate hole 1¾" from edge and angle 10 degrees
3. Use galvanized 3/16" x 2 ½" concrete nails

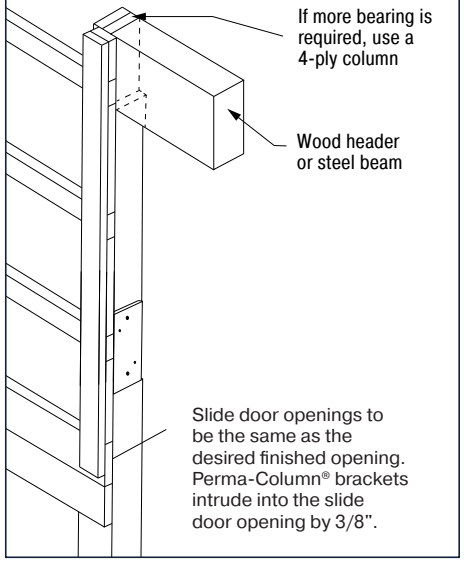
NOTE: Avoid using concrete screws and concrete nail gun. Most are not designed for high-strength concrete and result in screws being stripped, heads twisting off, or surface chipping.

NOTE: Use KDAT-rated treated lumber for the skirt board. To optimize your foundation, install Perma-Column® precast concrete skirt boards.

OHD DOOR JAMB

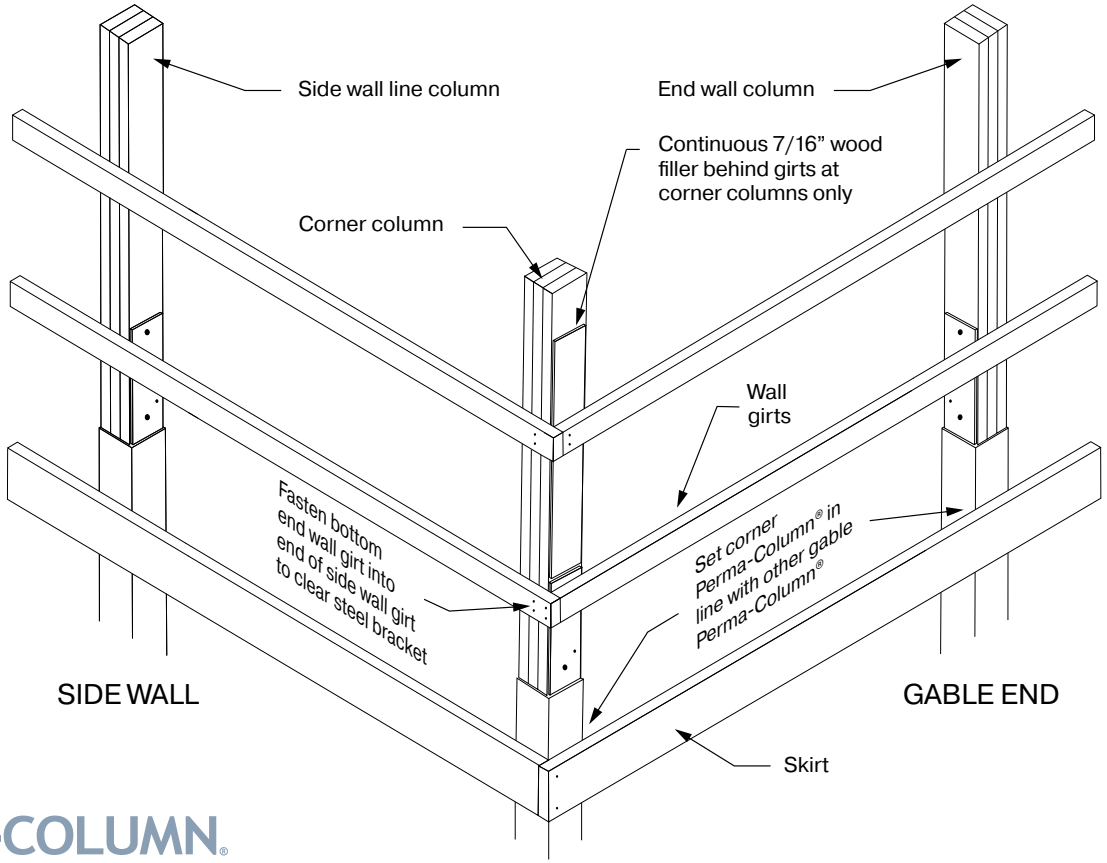


SLIDE DOOR JAMB



TYPICAL BUILDING CORNER BUILT WITH PERMA-COLUMN®

Attach a 7/16" wood filler to the (4) corner columns to make girts and skirt flush.



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BUILD BETTER. BUILD STRONGER. BUILD TO LAST.

For more details, download the Perma-Column® Design and Use Guide, available on our website:
permacolumn.com

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