PERMA COLUMN®

BUILD BETTER. BUILD STRONGER. BUILD TO LAST.

PERMANENT SOLUTIONS™

2025 POST-FRAME PRODUCTS

v04-03-25

PERMA-COLUMN® 2025 POST-FRAME PRODUCTS

ICC-ES certified Perma-Column® precast concrete columns elevate wood out of the ground, ensuring your building's foundation will never rot. They combine the economy of post-frame construction with the durability of a concrete foundation. They are constructed of 100% American-made 1/4" steel finished with a tough powder coat, 1/2" and 5/8" grade 60 rebar, and 10,000 psi concrete.

1/2" bolts

Sized to fit laminated columns, and wood posts (Purchased separately)

1/4" power grip screws

Durable powder coat tested to exceed 2,000 salt-spray hours

1/4" robotically welded HSLA steel bracket

Treated wood skirt board or precast concrete skirt board (page 5) attaches with galvanized concrete nails

10,000 psi precast concrete

60,000 psi A706 rebar

Internal sleeve accepts optional uplift systems

Perma-Column® does not affect footing pad requirements

ICC ES
ESR-4238

Model ID	Type	Bracket height	Description	Weight (lbs.)
PC4600	4" x 6"	13"	3-5/8" pocket fits 4" x 6" post	135
PC6300	3-Ply 2" x 6"	13"	4-5/8" pocket fits 3-Ply 6" laminated column	165
PC6400	4-Ply 2" x 6"	18"	6-1/8" pocket fits 4-Ply 6" laminated column	215
PC6600	6" x 6"	13"	5-5/8" pocket fits 6" x 6" post	196
PC8300	3-Ply 2" x 8"	18"	4-5/8" pocket fits 3-Ply 8" laminated column	235
PC8400	4-Ply 2" x 8"	18"	6-1/8" pocket fits 4-Ply 8" laminated column	290
PC8500	5-Ply 2" x 8"	18"	7-5/8" pocket fits 5-Ply 8" laminated column	345
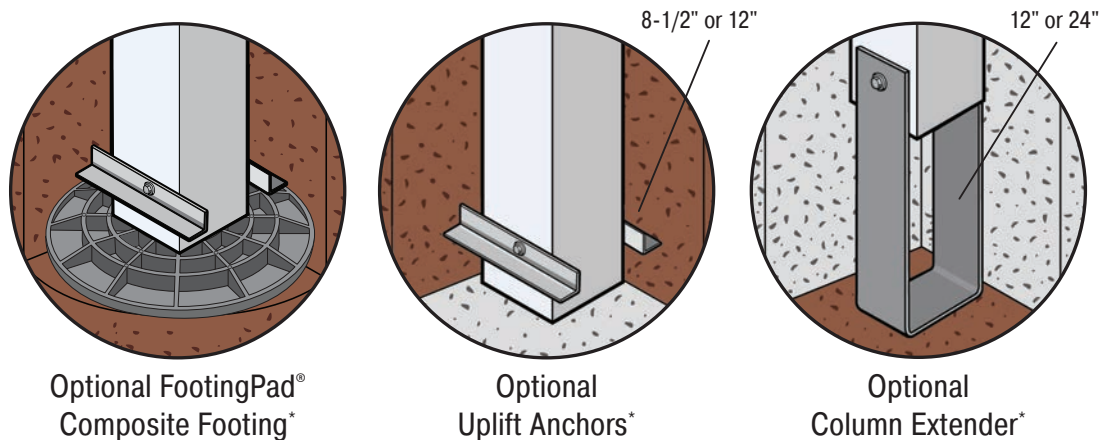
Optional FootingPad®
Composite Footing*

8-1/2" or 12"

Optional
Uplift Anchors*

12" or 24"

Optional
Column Extender*

*Uplift kits and hardware sold separately. Don't forget concrete nails (Item HW28) to attach the treated base board.

PRECAST CONCRETE COLUMNS

ICC-ES certified Perma-Column® precast concrete columns elevate wood out of the ground, ensuring your building's foundation will never rot. They combine the economy of post-frame construction with the durability of a concrete foundation. They are constructed of 100% American-made 1/4" steel finished with a tough powder coat, 1/2" and 5/8" grade 60 rebar, and 10,000 psi concrete.
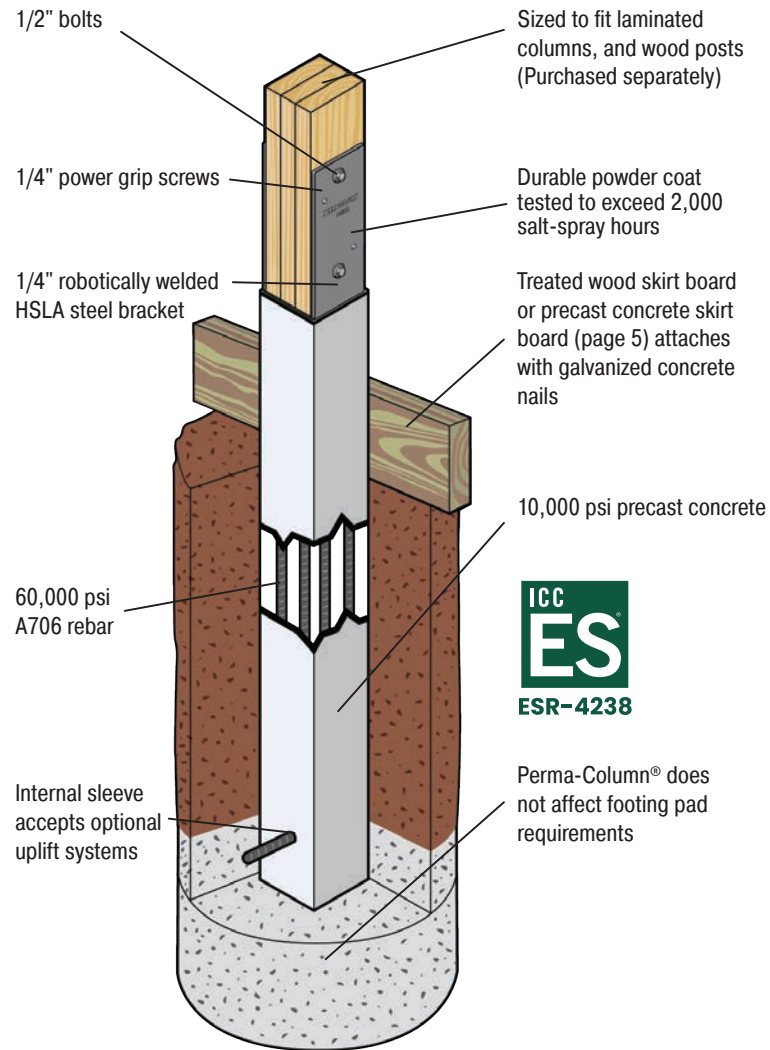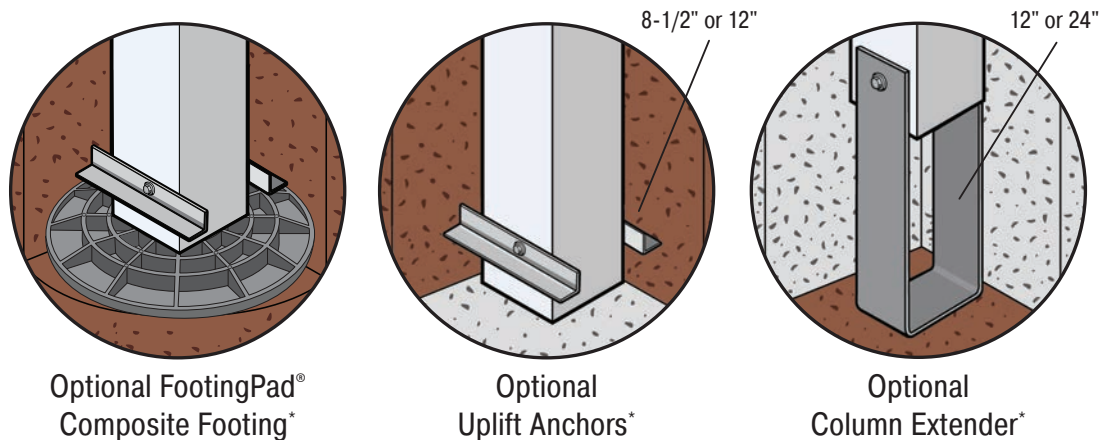
1/2" bolts

1/4" power grip screws

1/4" robotically welded HSLA steel bracket

60,000 psi A706 rebar

Internal sleeve accepts optional uplift systems

Sized to fit laminated columns, and wood posts (Purchased separately)

Durable powder coat tested to exceed 2,000 salt-spray hours

Treated wood skirt board or precast concrete skirt board (page 5) attaches with galvanized concrete nails

10,000 psi precast concrete

Perma-Column® does not affect footing pad requirements

ICC ES ESR-4238

Model ID	Type	Bracket height	Description	Weight (lbs.)
PC6300GL	3-Ply 2" x 6"	13"	4-3/16" pocket fits 3-Ply 6" laminated column	165
PC6400GL	4-Ply 2" x 6"	18"	5-9/16" pocket fits 4-Ply 6" laminated column	215
PC8300GL	3-Ply 2" x 8"	18"	4-3/16" pocket fits 3-Ply 8" laminated column	235
PC8400GL	4-Ply 2" x 8"	18"	5-9/16" pocket fits 4-Ply 8" laminated column	290
PC8500GL	5-Ply 2" x 8"	18"	6-15/16" pocket fits 5-Ply 8" laminated column	345

Optional FootingPad® Composite Footing*

8-1/2" or 12"
Optional Uplift Anchors*

12" or 24"
Optional Column Extender*

*Uplift kits and hardware sold separately. Don't forget concrete nails (Item HW28) to attach the treated base board.

PRECAST SKIRT BOARDS

Eliminate all wood contact with soil in post-frame construction. Patented precast skirt boards strengthen post-frame foundations and lengthen service life. Hybrid concrete-wood design prevents rot or warp and makes them stronger, stiffer, and straighter than standard treated wood skirt boards. Installed with Perma-Column® precast concrete columns, precast skirt boards create a complete permanent foundation solution guaranteed to last generations.

Ultra-high-strength design
8,000+ PSI precast concrete
MCA treated 2-by-4 wood
Basalt composite rebar
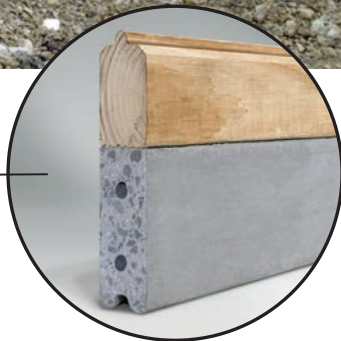
SKIRT BOARD

BOARDS

Item #	Description	Weight (lbs.)	Pallet Qty (count)
SKB080	1-1/2" x 7-1/2" x 8 1/2' tongue-and-groove skirt board	56	25
SKB100	1-1/2" x 7-1/2" x 10' tongue-and-groove skirt board	74	25
SKBW80	8' walk-door stiffener	45	25

HARDWARE

| Item #	Description	Weight (lbs.)	Box Qty (count)
PC15SB	G185 galvanized skirt board bracket	0.5	100
HW26	3/16" x 1-1/8" galvanized concrete nail	0.013	1000

SKIRT BOARD PROFILE
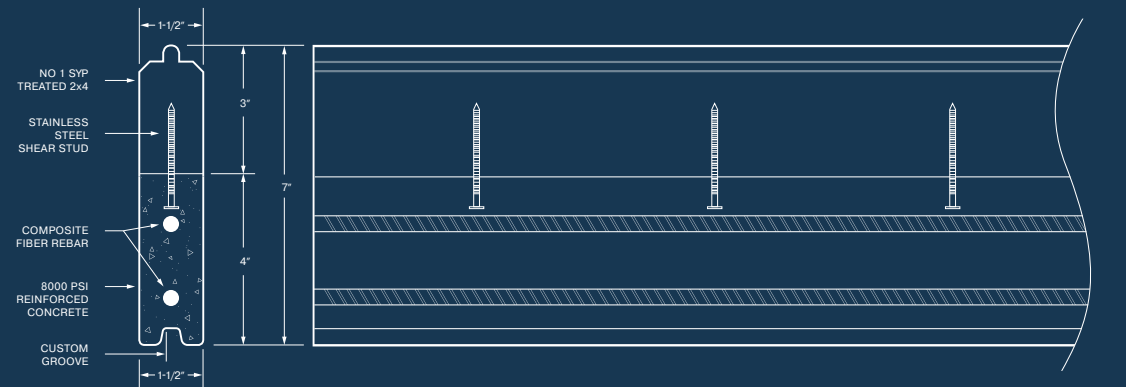
Lightweight and easy to handle on the job site, FootingPad® composite footings provide the equivalent strength and durability of concrete footers — at a fraction of the time, cost, and weight. Certified code compliant by the ICC-ES, FootingPad® composite footings are engineered to meet or exceed the load capacity of concrete.

ICC ES
ESR-2147

Model ID	Type	Description	Weight (lbs.)
FP-10	10"	10" diameter composite footing pad	1.2
FP-12	12"	12" diameter composite footing pad	2.5
FP-16	16"	16" diameter composite footing pad	4.7
FP-20	20"	20" diameter composite footing pad	8.5
FP-24	24"	24" diameter composite footing pad	14

FOOTINGPAD® COMPOSITE FOOTING

FootingPad® composite footings use a proprietary fiber-reinforced polymer composite that is impervious to damaging elements such as water, insects, and oxygen, providing exceptional strength and durability.
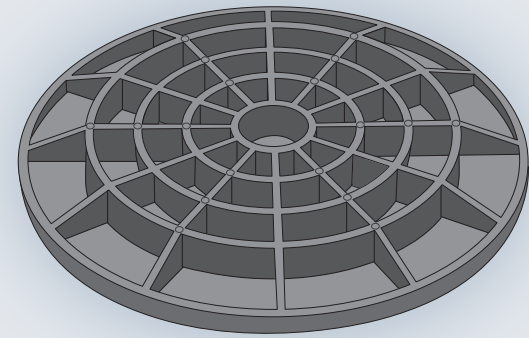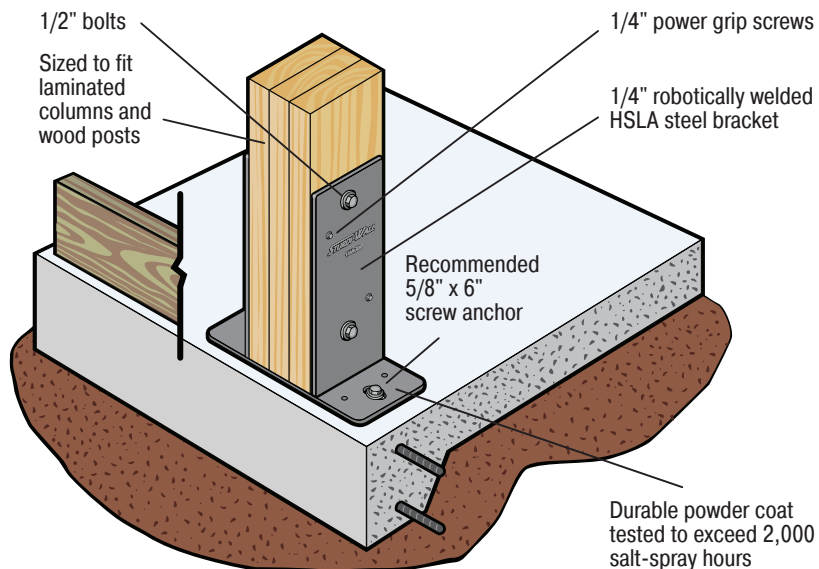
STURDI-WALL ®

The Sturdi-Wall® system allows for post-frame construction on traditional concrete foundations. ICC-ES certified Sturdi-Wall® anchor brackets are constructed of 100% American-made 1/4" steel, robotically welded, and finished with a tough powder coat. Install these engineered wall brackets with a masonry drill bit and concrete anchors.*

ICC ES
ESR-4239

DRILL-SET ANCHOR BRACKETS

1/2" bolts
Sized to fit laminated columns and wood posts

1/4" power grip screws

1/4" robotically welded HSLA steel bracket

Recommended 5/8" x 6" screw anchor

Durable powder coat tested to exceed 2,000 salt-spray hours

Model ID	Type	Bracket height	Description	Weight (lbs.)
SW46	4" x 6"	13"	3-5/8" pocket fits 4" x 6 " post	13
SW60	6" universal	13"	Used in pairs to fit odd-sized columns, or alone at corners and doors	6
SW63	3-Ply 6"	13"	4-5/8" pocket fits 3-Ply 6" laminated column	13
SW64	4-Ply 6"	13"	6-1/8" pocket fits 4-Ply 6" laminated column	13
SW66	6" x 6"	13"	5-5/8" pocket fits 6" x 6" post	13
SW80	8" universal	18"	Used in pairs to fit odd-sized columns, or alone at corners and doors	10
SW83	3-Ply 8"	18"	4-5/8" pocket fits 3-Ply 8" laminated column	24
SW84	4-Ply 8"	18"	6-1/8" pocket fits 4-Ply 8" laminated column	24
SW85	5-Ply 8"	18"	7-5/8" pocket fits 5-Ply 8" laminated column or 8" x 8" post	26
SW88	8" x 8"	18"	8-1/8" pocket fits 8" x 8" architectural post	27

Hardware sold separately.

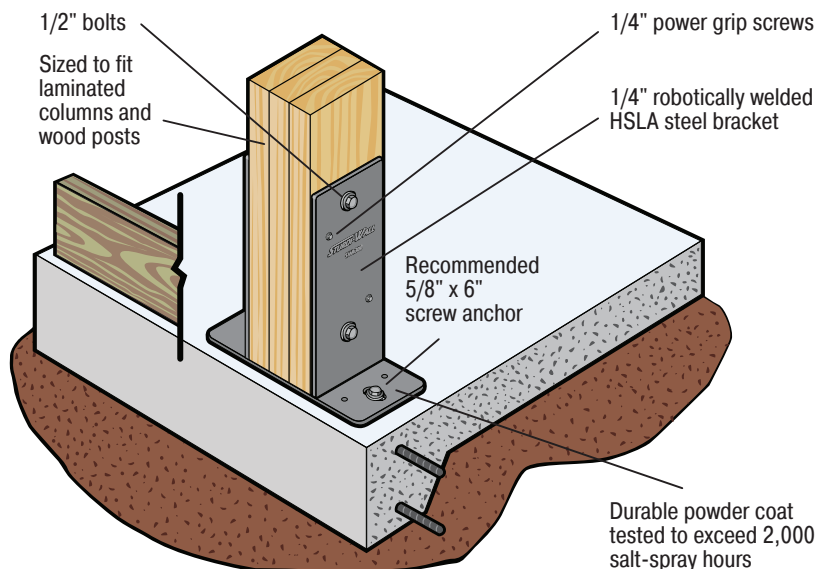**STURDI-WALL** ®
BY PERMA-COLUMN

STURDI-WALL ®

The Sturdi-Wall® system allows for post-frame construction on traditional concrete foundations. ICC-ES certified Sturdi-Wall® anchor brackets are constructed of 100% American-made 1/4" steel, robotically welded, and finished with a tough powder coat. Install these engineered wall brackets with a masonry drill bit and concrete anchors.*

ESR-4239

DRILL-SET ANCHOR BRACKETS

1/2" bolts
Sized to fit laminated columns and wood posts

1/4" power grip screws

1/4" robotically welded HSLA steel bracket

Recommended 5/8" x 6" screw anchor

Durable powder coat tested to exceed 2,000 salt-spray hours

Model ID	Type	Bracket height	Description	Weight (lbs.)
SW60	6" universal	13"	Used in pairs to fit odd-sized columns, or alone at corners and doors	6
SW63GL	3-Ply 6"	13"	4-3/16" pocket fits 3-Ply 6" laminated column	13
SW64GL	4-Ply 6"	13"	5-9/16" pocket fits 4-Ply 6" laminated column	13
SW80	8" universal	18"	Used in pairs to fit odd-sized columns, or alone at corners and doors	10
SW83GL	3-Ply 8"	18"	4-3/16" pocket fits 3-Ply 8" laminated column	24
SW84GL	4-Ply 8"	18"	5-9/16" pocket fits 4-Ply 8" laminated column	24
SW85GL	5-Ply 8"	18"	6-15/16" pocket fits 5-Ply 8" laminated column or 8" x 8" post	26

Hardware sold separately.
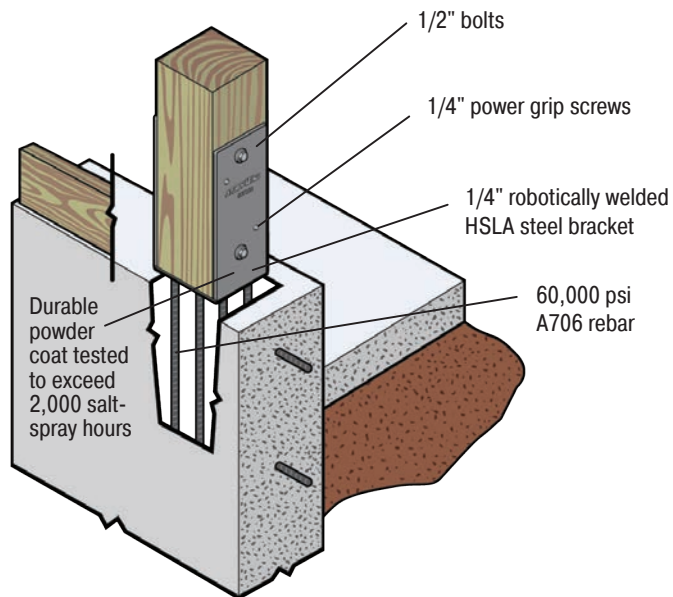
STURDI-WALL® BY PERMA-COLUMN

STURDI-WALL® PLUS

The Sturdi-Wall® system allows for post-frame construction on traditional concrete foundations. ICC-ES certified Sturdi-Wall® Plus anchor brackets are constructed of 100% American-made 1/4" steel, robotically welded, and finished with a tough powder coat. Provides the highest ultimate strength connection to your foundation but requires installation while concrete is still wet.*

ICC ES ESR-4239

WET-SET ANCHOR BRACKETS

- 1/2" bolts
- 1/4" power grip screws
- 1/4" robotically welded HSLA steel bracket
- 60,000 psi A706 rebar
- Durable powder coat tested to exceed 2,000 salt-spray hours

Model ID	Type	Bracket height	Description	Weight (lbs.)
SWP46	4" x 6"	13"	3-5/8" pocket fits 4" x 6" post	16
SWP63	3-Ply 6"	13"	4-5/8" pocket fits 3-Ply 6" laminated column	16
SWP66	6" x 6"	13"	5-5/8" pocket fits 6" x 6" post	17
SWP64	4-Ply 6"	18"	6-1/8" pocket fits 4-Ply 6" laminated column	21
SWP83	3-Ply 8"	18"	4-5/8" pocket fits 3-Ply 8" laminated column	27
SWP84	4-Ply 8"	18"	6-1/8" pocket fits 4-Ply 8" laminated column	28
SWP85	5-Ply 8"	18"	7-5/8" pocket fits 5-Ply 8" laminated column or 8" x 8" post	29
SWP88	8" x 8"	18"	8-1/8" pocket fits 8" x 8" architectural post	30

*Hardware sold separately.

STURDI-WALL® BY PERMA-COLUMN

STURDI-WALL® PLUS ANCHOR BRACKETS

The Sturdi-Wall® system allows for post-frame construction on traditional concrete foundations. ICC-ES certified Sturdi-Wall® Plus anchor brackets are constructed of 100% American-made 1/4" steel, robotically welded, and finished with a tough powder coat. Provides the highest ultimate strength connection to your foundation but requires installation while concrete is still wet.*

ESR-4239

WET-SET ANCHOR BRACKETS

- 1/2" bolts
- 1/4" power grip screws
- 1/4" robotically welded HSLA steel bracket
- 60,000 psi A706 rebar
- Durable powder coat tested to exceed 2,000 salt-spray hours

Model ID	Type	Bracket height	Description	Weight (lbs.)
SWP63GL	3-Ply 6"	13"	4-3/16" pocket fits 3-Ply 6" laminated column	16
SWP64GL	4-Ply 6"	18"	5-9/16" pocket fits 4-Ply 6" laminated column	21
SWP83GL	3-Ply 8"	18"	4-3/16" pocket fits 3-Ply 8" laminated column	27
SWP84GL	4-Ply 8"	18"	5-9/16" pocket fits 4-Ply 8" laminated column	28
SWP85GL	5-Ply 8"	18"	6-15/16" pocket fits 5-Ply 8" laminated column or 8" x 8" post	29

Hardware sold separately.
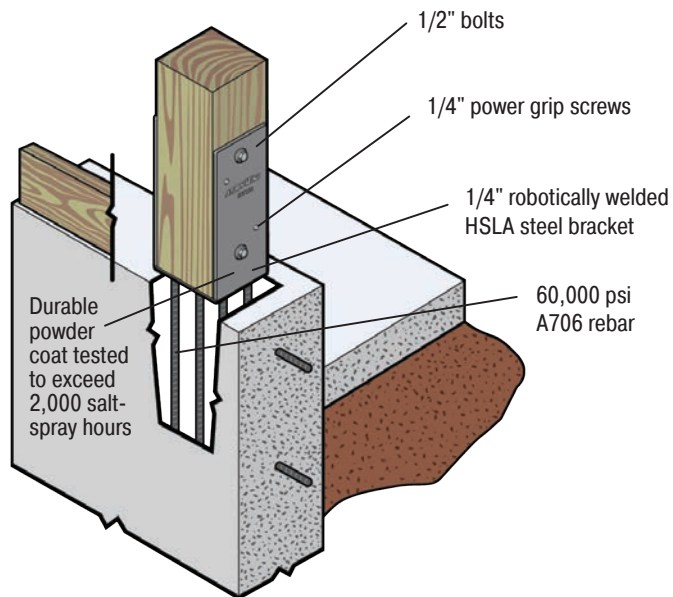
STURDI-WALL®
BY PERMA-COLUMN

Get all the hardware and accessories you need to assemble Perma-Column® products. We sell hardware individually or in kits. See our hardware specifications below.

SOLD SEPARATELY

Model ID	Size	Description
HW10	5/8" x 6"	Wedge anchor, screw type, zinc-plated. Install anchor with 5/8" masonry drill bit. Drill hole 5/8" deeper than anchor. Tighten to 75 ft.-lbs.
HW45	1/4" x 3"	Grade 5 galvanized power grip screw
HW28	3/16" x 2-1/2"	Galvanized nails. Connect a building's lower splash board to the concrete Perma-Column®. Start by drilling a 3/16" hole through the splash board into the concrete post 1-1/4" deep using a hammer drill. Stay 1-3/4" away from the edge of the post. Finally, secure splash board by hammering concrete nail like a typical nail.

UNIVERSAL DRILL SET HARDWARE

Model ID	Item	Description
HW60DS	6" universal	6" universal drill set hardware. Drill set hardware for 6" column at corner and door jamb includes: • (2) 1/2" x 7" zinc-plated Grade 5 carriage bolts, washers, and nuts • (2) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45) • (1) 5/8" x 6" wedge anchor, screw type, zinc-plated (Item HW10)
HW80DS	8" universal	8" universal drill set hardware. Drill set hardware for 8" column at corner and door jamb includes: • (2) 1/2" x 9" zinc-plated Grade 5 carriage bolts, washers, and nuts • (4) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45) • (1) 5/8" x 6" wedge anchor, screw type, zinc-plated (Item HW10)

SKIRT BOARD HARDWARE

Item #	Description	Weight (lbs.)	Box Qty (count)
PC15SB	G185 galvanized skirt board bracket	0.5	100
HW26	3/16" x 1-1/8" galvanized concrete nail	0.013	1000

Hardware kits are to be used for Perma-Column® and Sturdi-Wall® Plus products. They are available in a variety of options. See specifications below.

PERMA-COLUMN® AND STURDI-WALL® PLUS HARDWARE

Model ID	Item	Description
HW46	4" x 6" kit	Wood-to-bracket connection hardware for 4" x 6" post includes: • (2) 1/2" x 5" zinc-plated Grade 5 bolts, washers, and nuts • (4) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45)
HW63	3-Ply 6" kit	Wood-to-bracket connection hardware for 3-Ply 6" laminated column includes: • (2) 1/2" x 6" zinc-plated Grade 5 bolts, washers, and nuts • (4) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45)
HW66	6" x 6" kit	Wood-to-bracket connection hardware for 6" x 6" post includes: • (2) 1/2" x 7" zinc-plated Grade 5 bolts, washers, and nuts • (4) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45)
HW64	4-Ply 6" kit	Wood-to-bracket connection hardware for 4-Ply 6" laminated column includes: • (2) 1/2" x 7-1/2" zinc-plated Grade 5 bolts, washers, and nuts • (4) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45)
HW83	3-Ply 8" kit	Wood-to-bracket connection hardware for 3-Ply 8" laminated column includes: • (2) 1/2" x 6" zinc-plated Grade 5 bolts, washers, and nuts • (8) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45)
HW84	4-Ply 8" kit	Wood-to-bracket connection hardware for 4-Ply 8" laminated column includes: • (2) 1/2" x 7-1/2" zinc-plated Grade 5 bolts, washers, and nuts • (8) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45)
HW85	5-Ply 8" kit	Wood-to-bracket connection hardware for 5-Ply 8" laminated column includes: • (2) 1/2" x 9" zinc-plated Grade 5 bolts, washers, and nuts • (8) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45)
HW88	8" x 8" kit	Wood-to-bracket connection hardware for 8" x 8" post includes: • (2) 1/2" x 9-1/2" zinc-plated Grade 5 bolts, washers, and nuts • (8) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45)

DRILL SET HARDWARE KITS

Drill set hardware kits are available in a variety of options. See specifications below.

STURDI-WALL® HARDWARE

Model ID	Item	Description
HW46DS	4" x 6" drill set kit	Wood-to-bracket connection hardware for 4" x 6" post includes: • (2) 1/2" x 5" zinc-plated Grade 5 bolts, washers, and nuts • (4) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45) • (2) 5/8" x 6" wedge anchor, screw type, zinc-plated (Item HW10)
HW63DS	3-Ply 6" drill set kit	Drill set hardware for 3-Ply 6" laminated column includes: • (2) 1/2" x 6" zinc-plated Grade 5 bolts, washers, and nuts • (4) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45) • (2) 5/8" x 6" wedge anchor, screw type, zinc-plated (Item HW10)
HW66DS	6" x 6" drill set kit	Drill set hardware for 6" x 6" post includes: • (2) 1/2" x 7" zinc-plated Grade 5 bolts, washers, and nuts • (4) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45) • (2) 5/8" x 6" wedge anchor, screw type, zinc-plated (Item HW10)
HW64DS	4-Ply 6" drill set kit	Drill set hardware for 4-Ply 6" laminated column includes: • (2) 1/2" x 7-1/2" zinc-plated Grade 5 bolts, washers, and nuts • (4) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45) • (2) 5/8" x 6" wedge anchor, screw type, zinc-plated (Item HW10)
HW83DS	3-Ply 8" drill set kit	Drill set hardware for 3-Ply 8" laminated column includes: • (2) 1/2" x 6" zinc-plated Grade 5 bolts, washers, and nuts • (8) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45) • (2) 5/8" x 6" wedge anchor, screw type, zinc-plated (Item HW10)
HW84DS	4-Ply 8" drill set kit	Drill set hardware for 4-Ply 8" laminated column includes: • (2) 1/2" x 7-1/2" zinc-plated Grade 5 bolts, washers, and nuts • (8) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45) • (2) 5/8" x 6" wedge anchor, screw type, zinc-plated (Item HW10)
HW85DS	5-Ply 8" drill set kit	Drill set hardware for 5-Ply 8" laminated column includes: • (2) 1/2" x 9" zinc-plated Grade 5 bolts, washers, and nuts • (8) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45) • (2) 5/8" x 6" wedge anchor, screw type, zinc-plated (Item HW10)
HW88DS	8" x 8" drill set kit	Drill set hardware for 8" x 8" post includes: • (2) 1/2" x 9-1/2" zinc-plated Grade 5 bolts, washers, and nuts • (8) 1/4" x 3" Grade 5 galvanized power grip screw (Item HW45) • (2) 5/8" x 6" wedge anchor, screw type, zinc-plated (Item HW10)

UPLIFT ANCHOR KITS

Uplift anchors are bolted to the existing precast pipe at the base of a Perma-Column®. The stated uplift protection is approximated for when the anchors are properly installed and backfilled with dirt.


UPLIFT ANCHOR KIT FOR PERMA-COLUMN® 6" SERIES

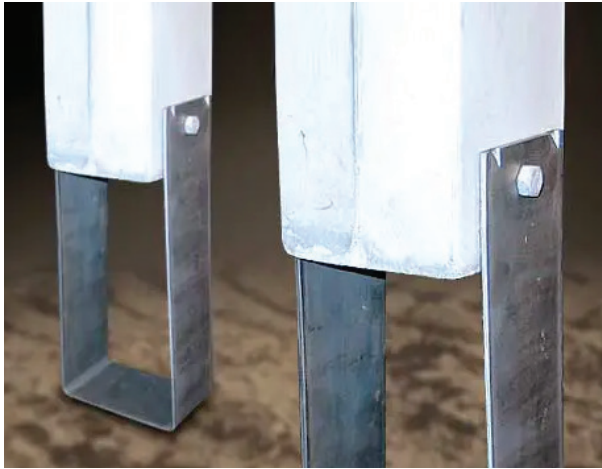| Model ID	Size	Description
UA61	8-1/2"	Kit includes: • (2) 2" x 2" x 8-1/2" galvanized angles • (1) 1/2" x 6" galvanized Grade 5 bolt, nut, and washer
UA62	12"	Kit includes: • (2) 2" x 2" x 12" galvanized angles • (1) 1/2" x 6" galvanized Grade 5 bolt, nut, and washer

UPLIFT ANCHOR KIT FOR PERMA-COLUMN® 8" SERIES

Model ID	Size	Description
UA81	8-1/2"	Kit includes: • (2) 2" x 2" x 8-1/2" galvanized angles • (1) 1/2" x 8" galvanized Grade 5 bolt, nut, and washer
UA82	12"	Kit includes: • (2) 2" x 2" x 12" galvanized angles • (1) 1/2" x 8" galvanized Grade 5 bolt, nut, and washer

8-1/2" or 12"
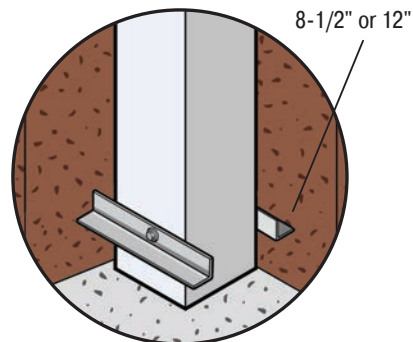
COLUMN EXTENDERS

Perma-Column® column extenders provide deeper post embedment. All kits include bolt, nut, and washer to connect with Perma-Column®.
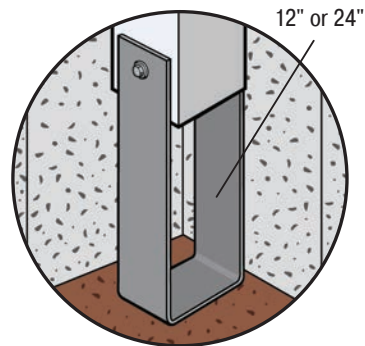
COLUMN EXTENDER FOR PERMA-COLUMN® 6" SERIES

Model ID	Size	Description
CE61	12"	12" column extender for 6" Perma-Column® provides deeper post embedment. Kit includes 7" bolt, nut, and washer to connect with Perma-Column®.
CE62	24"	24" column extender for 6" Perma-Column® provides deeper post embedment. Kit includes 7" bolt, nut, and washer to connect with Perma-Column®.

COLUMN EXTENDER FOR PERMA-COLUMN® 8" SERIES

Model ID	Size	Description
CE81	12"	12" column extender for 8" Perma-Column® provides deeper post embedment. Kit includes 9" bolt, nut, and washer to connect with Perma-Column®.
CE82	24"	24" column extender for 8" Perma-Column® provides deeper post embedment. Kit includes 9" bolt, nut, and washer to connect with Perma-Column®.

12" or 24"

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