

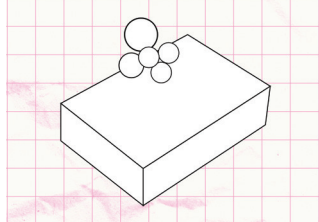
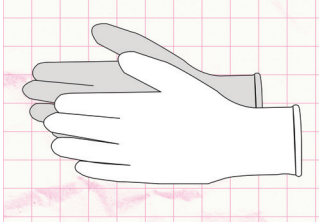


OC™ LUMBER STRUCTURAL POSTS INSTALLATION GUIDE

Owens Corning Lumber Structural Posts are high-performance composite alternatives to pressure-treated lumber (PTL) designed to enable safe, resilient, and durable structures.

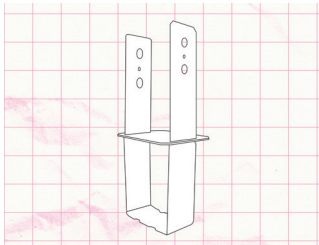
- Resists mold, mildew, and pests
- Allows for contact with water (salt and fresh) and ground
- Compatible with standard wood post installation tools

SAFETY RECOMMENDATIONS



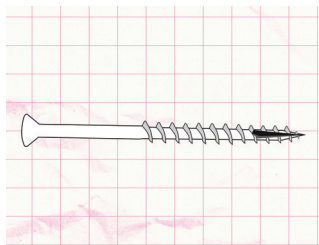
When handling OC Lumber products, make sure to wear gloves and long sleeves. Wash skin with soap and water after handling to avoid irritation.

RECOMMENDED HARDWARE



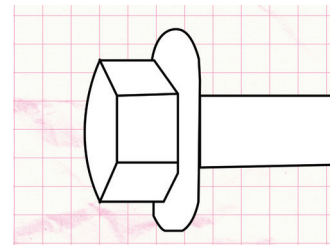
POST BASE

- Works with standard post bases (e.g., Simpson Strong-Tie CB66, MiTek PA66ETZ/PA44ETZ)¹



CONSTRUCTION OR STRUCTURAL SCREWS

- Such as #17 drill point with self-drilling thread
- At least 3" to 3.5" long



FASTENERS

- Should be flat at the contact point of the head
- For taper or undercut heads, see **Secure Screwing** section

Allowable Bearing Capacity

PRODUCT	ALLOWABLE COMPRESSION LOAD (lb)					
	POST HEIGHT					
	≤ 9 ft.	10 ft.	11 ft.	12 ft.	13 ft.	14 ft.
OCL-SCP 6x6 ³	18,500	15,250	12,500	10,500	9,000	7,750
OCL-SCP 4x4 ⁴	6,250	5,000	4,250	3,500	3,000	2,500

SI: 1 in = 25.4 mm, 1 ft = 0.3048 m, 1 lbf = 4.448 N

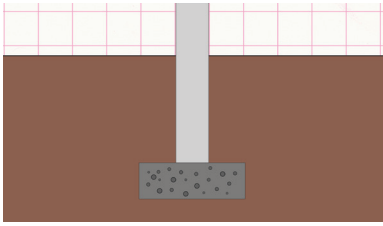
1. Maximum post height is 14 ft. above grade.

2. Post shall be diagonally braced to prevent side-sway and buckling.

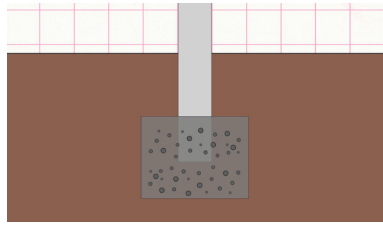
3. These results may be applied to all loading scenarios (full bearing, notched, post-cap/base).

4. These results may be applied only to full bearing loading scenarios.

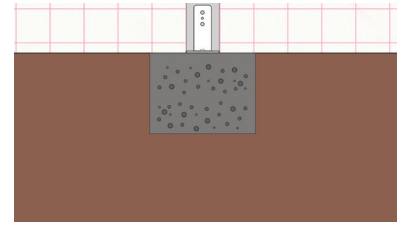
Anchoring Post



Post shall be set on a solid footing in ground or above ground to prevent settling into soil. Typically 4" concrete.

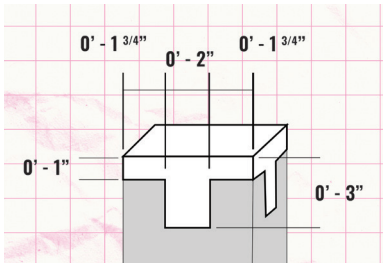


Post may be embedded into concrete pouring. Post does not need to be set IN concrete. Soil backfill is suitable.



Attachment to poured concrete slab should be by suitable fastener that allows full base of post to be supported by a flat surface, such as with the Simpson Strong-Tie CB66 or MiTek EPG series. Stand-off brackets that elevate the post base without full post surface (sidewalls and inner web) are not appropriate for use.

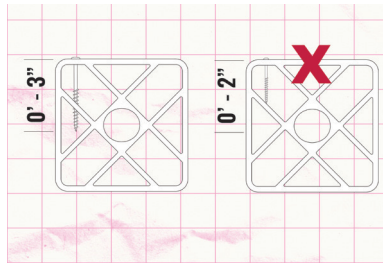
For Secure Screwing and to Prevent Cracking



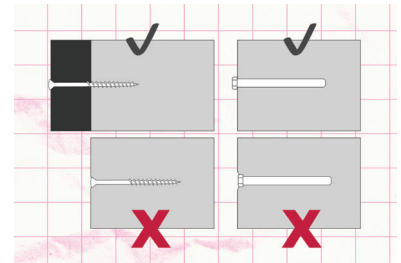
Screwing should be targeted at the outer edge, from 0.25" to 1" from edge, and farther than 1" from end of the post to prevent cracking.

Any post screwing in the center 3.5" should be done at least 3" from the end of the post.

Screws should be construction screws or structural screws, such as #17 drill point with self-drilling thread. Fasteners that will be tightened flush to post should be flat at the contact point of the head with the post wall as in the case of round-head, pan-head, hex bolts, etc. Taper or undercut heads can be used when securing OC™ Lumber boards to the face of the post, and the fastener head will embed into the attached material, not the post.



Screws should be at least 3" long to 3.5" long to engage the inner web of the post and prevent cantilever action on the penetration through the sidewall.



Caution should be taken not to overtighten the screw or bolt that would lead to sidewall deflection into the post. This can be accomplished by adjusting the torque/clutch setting on the drill driver to prevent draw-in.

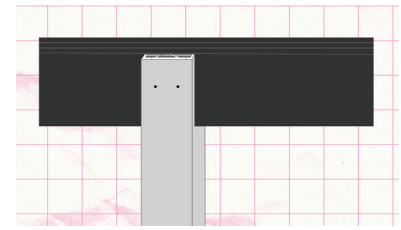
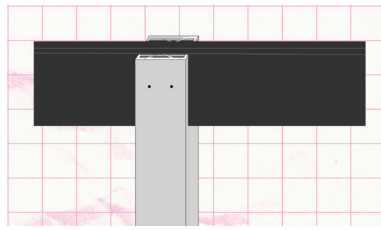


Attaching Beams to Post

Beams should be top-set on posts. This can be accomplished by using the suitable brackets, such as column caps from Simpson or MiTek. Bracket selection should prevent shifting, rolling, or uplift per design requirements.

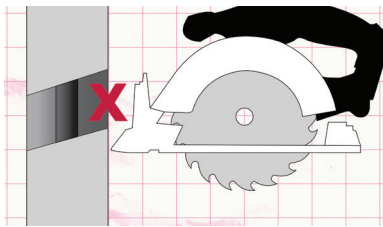


The center of the post can be used as conduit for electrical connections where appropriate.

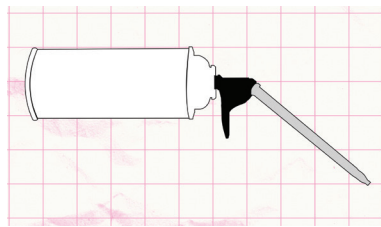


Posts can be notched as U-notch or L-notch for centered (2-ply) or offset (3-ply) beams, respectively. Screws through the sidewall of the post into the supported beam should comply with above screw placement guidance on the outside 1" of the post and farther than 1" from the end of the post.

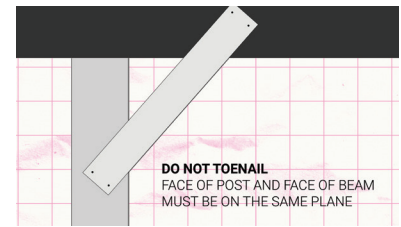
Other Recommendations



Post sidewalls shall not be cut laterally across any face of the post in the span section. Notching of the post for top-setting of beams is allowed and suitable.

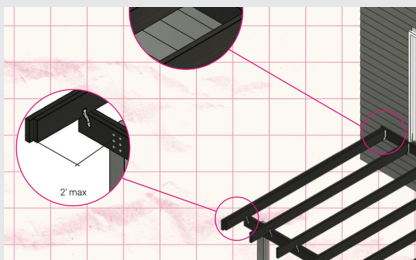


The top of the post can be sealed by using an applicable foam filler, such as Great Stuff or Loctite Tite Foam, to prevent pest nesting.



Bracing should be connected flat-wise to the surface of the post face and not end-wise to post face.

You may also want to check this out.



OWENS CORNING® LUMBER STRUCTURAL FRAMING FOR DECK CONSTRUCTION INSTALLATION GUIDE

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HOW WE BUILD NOW™

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