

# Second Story Porch Bracket Installation Instructions for 20"- 30" Round PermaCast® Columns

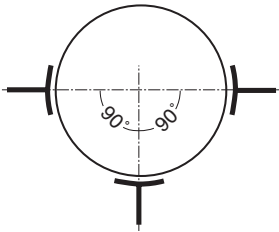
## NOTES

1. All porch framing shall be designed [size, spacing and connectors] by a qualified professional.
2. Strict adherence to these instructions are required to retain factory column warranty. Please contact HB&G for any questions or concerns regarding your installation.
3. Support tab may be removed if necessary.
4. Only six (6) anchors required per bracket. All anchors shall be placed in outer row as indicated.

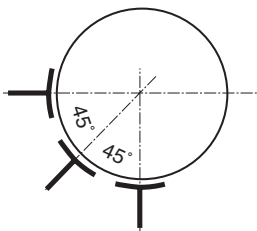
## TIPS

1. Hand tighten all bolts first. Pull nut and twist for initial contact.
2. Do not over tighten bolts. Bolts should be secure and snug.
3. Brackets will not fit snug on 20" and 22" diameter columns. Install with equal gap on both sides.
4. Layout locations of all three brackets required for each column prior to installation.

### OPTION #1 – LINEAR



### OPTION #2 – CORNER



**3 brackets required per column.**

**All columns require one of the two options shown.**



1. Measure and mark finished porch height.



2. Deduct any dimensions above bracket. (ie. flooring and misc. framing.)



3. Using bottom mark, locate top outside hole and drill 1/2" hole.



4. Tap in supplied anchor.



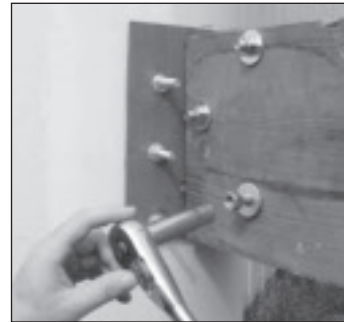
5. Apply bracket support tab and hand tighten bolt.



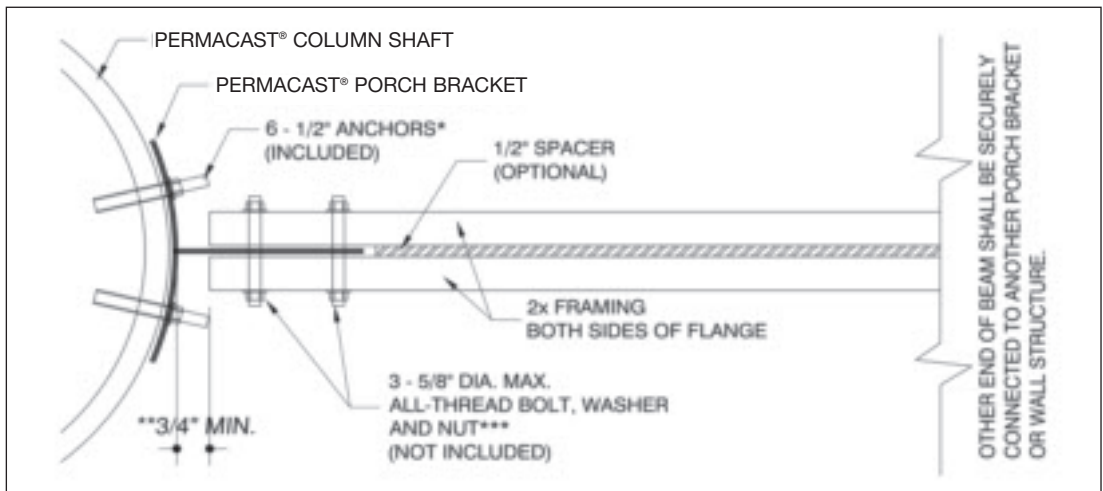
6. Level bracket and drill remaining 5 holes.



7. Drill remaining holes and tap in remaining anchors and secure. (Refer to note 4 and tips.)



8. Apply required framing using all thread rod, washers and nuts. (See note 4) Repeat steps 1-8 for remaining two brackets. (See note 1) in lieu of 4)



\*See tips

\*\*3/4" gap required for expansion and contraction

\*\*\*Nuts shall be secure. If spacer is not used, bolts should allow for movement due to expansion.

**WARRANTY IS VOID IF INSTALLATION INSTRUCTIONS ARE NOT FOLLOWED**



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