

Richard O. Albright, P. E.
Consulting Engineer

1089 3rd Avenue SW, Suite 101 (46032-7583)
 P O Box 742
 Carmel, Indiana 46082-0742
 317-581-8877 Phone and Fax

ralbright@AlbrightPE.com

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SAFE SPACING OF BRICK BRACKET ACCESSORIES FOR FASTENING DECK LEDGERS TO RIM BOARDS

Based on results of tests on proprietary Brick Brackets for supporting deck ledgers, by NTA Incorporated, third party testing laboratory, and others, the maximum spacings shown for direct connections of ledgers to rim boards in TABLE R502.2.1 of the Indiana Residential Code* are conservative for connecting ledgers to 1 ½ inch solid wood rim boards through Brick Brackets. For use with some composite wood rim boards the spacings are changed.* Recommended spacings for the Brick Brackets for four rim board materials are shown in the top table below for decks with combined design loads of 50 pounds per square foot. In the lower table, spacings for decks with design loads of 70 pounds per square foot are shown at the request of the manufacturer. Fasteners through the Brick Brackets will be ½ inch bolts.

SPACINGS OF BRICK BRACKETS FOR SUPPORTING DECKS – INCHES (50 psf)*

Span – Feet	6	8	10	12	14	16	18
<u>Rim Board</u>							
2X SYP	36	36	34	29	24	21	19
1-1/8 EWP	28	21	16	14	12	10	9
1" EWP	24	18	14	12	10	9	8
VERSA-LAM®**36	36	36	34	29	24	21	19

*See also Table 5, *Prescriptive Residential Wood Deck Construction Guide*. AF & PA, 2010

** Spacings for 1-3/4" Thick, VERSA-LAM® 2.0 3100, Depth of 9 ¼ " or more, equal to 2X SYP, are conservative, according to values in *ICC EVALUATION SERVICE*, ESR-1040, Rev. January 2016.

SPACINGS OF BRICK BRACKETS FOR SUPPORTING DECKS – INCHES (70 psf)

Span – Feet	6	8	10	12	14	16	18
<u>Rim Board</u>							
2X SYP	30	30	28	21	17	15	13
1-1/8 EWP	20	15	12	10	9	8	7
1" EWP	18	13	10	9	8	7	6
VERSA-LAM®** 30	30	30	28	21	17	15	13

Richard O Albright
 Richard O Albright, F.ACI, F.ASCE
 Professional Engineer IN Reg. #60007659

