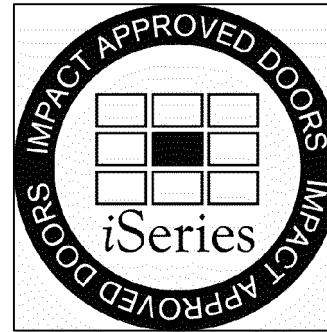


Supplemental Instructions Rolling Steel Doors



The correct selection of door and framing materials, in adherence with local building code directives, is the responsibility of the building owner/designer. Use of a reinforced garage door does not constitute automatic compliance with any building code. Local building code officials determine compliance criteria.

Two Piece Face Angle Construction

Upper Face Angle:

Utilizes Minimum of Two Bolts.
Stops Minimum of 12" Below Header.

Lower Face Angle:

For the remainder of door height use fastener size and spacing as recommended in the guide to guide fastener section of the guide details page of the drawing.

Wall and Back Angles:

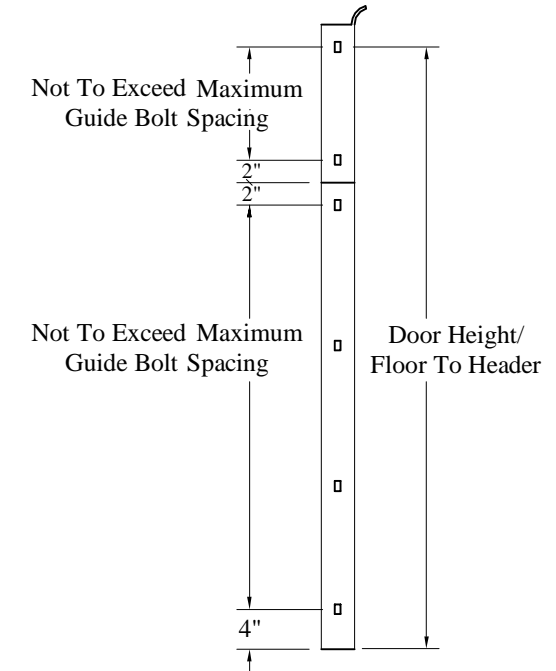
Wall angle is one piece. Back angle is one piece.
For wall and back angle details see drawings.

CAUTION

Higher wind pressures and larger doors require additional reinforcement.
Premature failure of door system may result from improper application.

WARNING

These supplemental instructions do not contain basic door installation steps and related safety information.
Failure to follow basic installation steps and related safety information may result in injury or death.
Door installers must follow a primary instruction manual for basic door installation steps and related safety information.



Two Piece Face Angle Details

Side view of face angle with wall angle removed.
(For wall angle details see drawings.)

Building mean roof height

H	B	C	D
15'	100%	90%	82%
20'	100%	88%	80%
25'	100%	86%	78%
30'	100%	84%	77%
35'	97%	83%	76%
40'	95%	81%	75%
45'	94%	80%	74%
50'	92%	80%	74%
55'	91%	79%	73%
60'	90%	78%	73%

Use the percentages charted here to reduce exposure B wind speeds to approximate mph for mean roof heights H and exposures B, C, & D.

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Professional Engineer's seal provided only for verification of windload construction details



Date: 8-31-2015

Models: 6202, 6222, 6242,
6181, 6201, 6221, 6266

Supplemental Instructions

C.H.I. Drawing:

Instruction Supplement

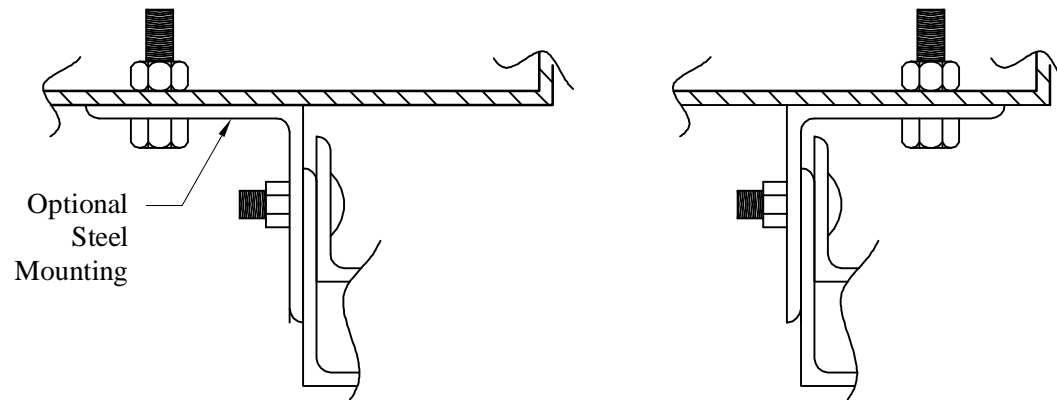
Bolt through (on A500 steel)

See Jamb fastener section of Guide Details page of drawing:

Utilize nuts and bolts with diameter and Grade equal or exceeding Jamb fastener specification.

See drawing for bolt spacing for windlocked doors.

(Some non-windlocked doors specify 48" jamb fastening spacing on A500 steel.)



Bolt through (on filled CMU or concrete).

See Jamb fastener section of Guide Details page of drawings:

Use square crush plates, round washers, nuts, bolts, and / or threaded rod as specified.

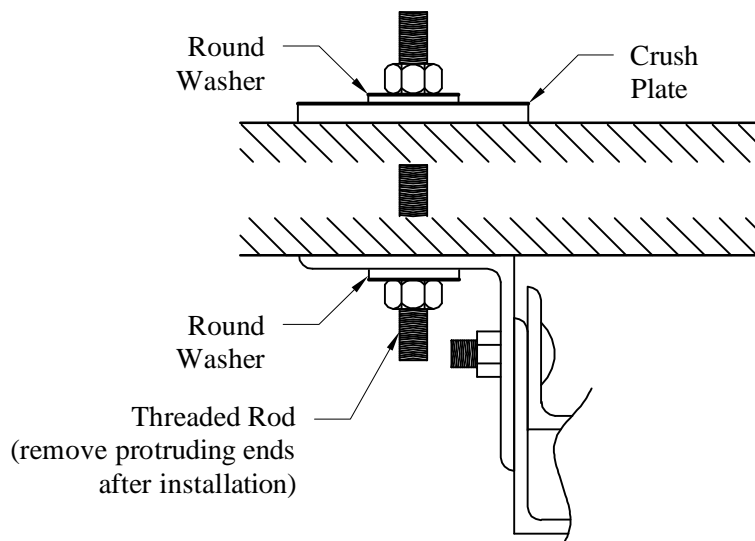
(Drawings specify .25" thick crush plate.

When using thinner crush plate (3/16" thick) double the outer diameter of the round washer.)

See drawings for jamb fastener spacing.

(Non-windlocked drawings specify 115,000psi tensile strength rod with 30" jamb fastening spacing.

Reduce jamb fastening spacing from 30" to 12" to use threaded rod as low as 46,000psi with non-windlocked doors.)



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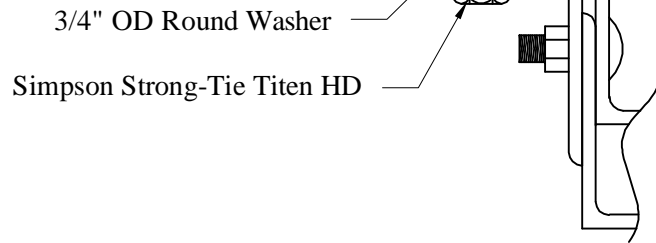
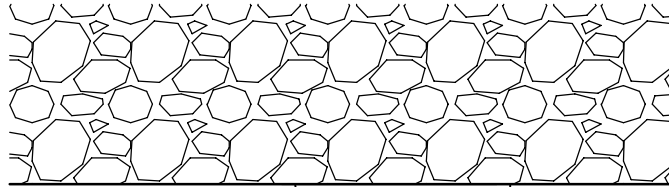


Date: 8-31-2015
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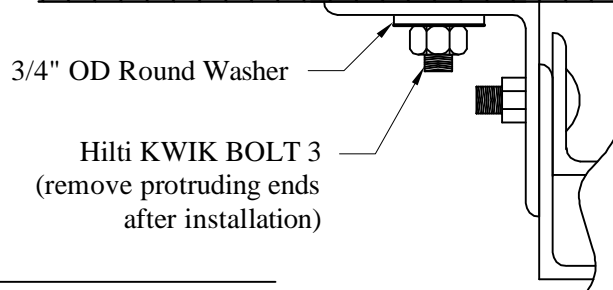
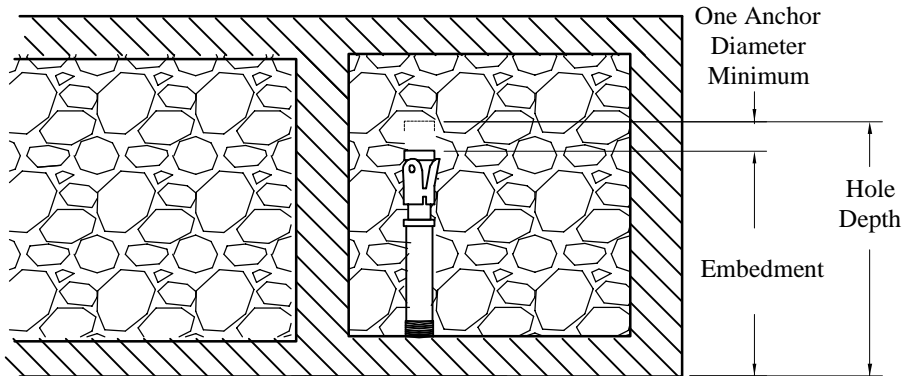
Supplemental Instructions

C.H.I. Drawing:
Instruction Supplement

Simpson Strong-Tie Titen HD (on concrete, 2000 psi minimum).
 See Jamb fastener section of Guide Details page of drawings:
 Use 3/8" x 4" (nominal) Simpson Strong-Tie Titen HD.
 Drill hole to depth equal to anchor length plus one diameter.



Hilti KWIK BOLT 3 (on filled CMU or concrete).
 See Jamb fastener section of Guide Details page of drawings:
 Use 5/8" x 5" (nominal) Hilti KWIK BOLT 3 with 4" minimum embedment or
 Use 3/8" x 4" (nominal) Hilti KWIK BOLT 3 with 2.5" minimum embedment
 Cut protruding bolt as desired to clear other mounting hardware.
 Overall length of fastener may be less than nominal and maintain proper embedment.



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