

MAXIMUM CAPACITY (LBS) - GROUTED CMU				
	FASTENER DIA. X EMBED	MIN. EDGE DIST. (IN)	VERT P1 (LBS)	HORIZ P2 (LBS)
423HD16	Hilti Kwik Bolt 3 3/8" x 2-1/2"	4	1010	650
	Hilti Kwik HUS 3/8" x 2-1/2"	6	1165	650
423HD14	Hilti Kwik Bolt 3 1/2" x 3-1/2"	4	1080	905
	Hilti Kwik HUS 1/2" x 3"	8	2055	1110
426HD14	(2) Kwik-Con II ¹ 2 1/4" x 1"	1-1/2	550	330
	Hilti Kwik Bolt 3 1/2" x 3-1/2"	4	1080	905
	Hilti Kwik HUS 1/2" x 3"	8	2055	1110
	Hilti Kwik HUS 5/8" x 3-1/4"	10	3040	1155

MAXIMUM SCREW CAPACITY (LBS)								
Chord (mil)	#10 SDS into Chord							
	2	3	4	5	6	8	10	12
035	560	845	1125	1405	1685	2250	2810	3360
046	845	1270	1690	2115	2540	3385	--	--
057	990	1485	1980	2475	2970	3960	--	--

Number of screws attaching HD to chord as required per screw chart

¹ Minimum spacing = 3"

² Kwik-Con II fasteners maybe installed in hollow block CMU

- 1) Min. screw spacing & edge distance = 9/16"
- 2) For Hilti Fasteners, refer to the current Hilti Product Technical Guide for installation requirements and application limits..
- 3) Grout must have a minimum f'm = 1500 psi
- 4) Place fasteners in holes of the HD clip.
- 5) HD product specified is manufactured by Aegis Metal Framing. Any substitution is prohibited.
- 6) This detail does not indicate or imply that the depicted bearing is structurally adequate for the loads shown. Design of bearing is req'd.
- 7) Max Reactions show are non-concurrent.
- 8) Detail applies to USC and USD trusses.
- 9) May include end vertical - not shown

Revised 12/11/09 - Hollow block for Kwik-Con added
 Revised 5/13/11 - New 423HD14, 423HD16 and 426HD14
 Revised 7/2013 - Updated fasteners and screws values

DETAIL NO.

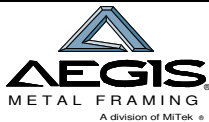
CD-CMU-1.2

CATEGORY

STANDARD DETAILS

DATE

7/2013



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**1-Ply USC/USD TRUSS TO FACE OF CMU
 423/426HD**