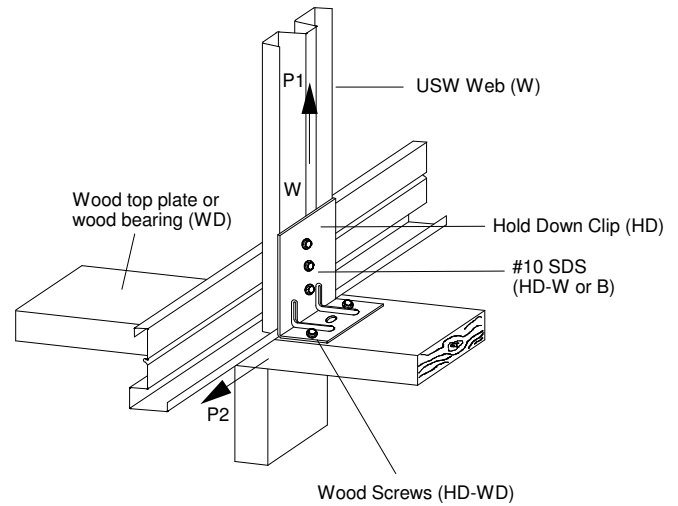


MAXIMUM CAPACITY (LBS) - 1-1/2" Wood Bearing

	Wood Screws HD-WD	#10 SDS HD-W or B	USP LL915 #9 x 1-1/2"		USP WS15 1/4" x 1-1/2"		Wood Screw #9 x 1-1/2"		
			UPLIFT P1 (LBS)	HORIZ P2 (LBS)	UPLIFT P1 (LBS)	HORIZ P2 (LBS)	UPLIFT P1 (LBS)	HORIZ P2 (LBS)	
423HD16	2	2	385	260	560	460	400	215	
	2	3	--	--	650	460	--	--	
	3 ¹	3	580	390	N/A	N/A	600	320	
423HD14	2	3	--	--	655	460	--	--	
	426HD14	4	4	770	485	1125	485	800	430
		4	5	--	--	1310	485	--	--
	6 ²	5	1160	485	1970 ²	795 ²	1200	485	

¹ Locate 3rd screw between bend and anchor hole. Minimum clips shown. HD's with greater mil thickness and matching clip size may be substituted. □ Minimum 046 mil web

² Min bearing width = 6-5/8"



MAXIMUM CAPACITY (LBS) - 3" Wood Bearing

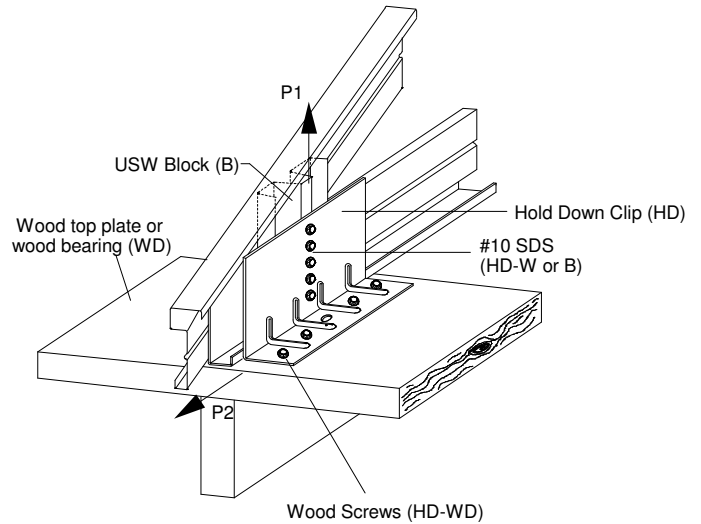
	Wood Screws HD-WD	#10 SDS HD-W or B	USP LL930 #9 x 3"		USP WS3 1/4" x 3"		Wood Screw #9 x 3"	
			UPLIFT P1 (LBS)	HORIZ P2 (LBS)	UPLIFT P1 (LBS)	HORIZ P2 (LBS)	UPLIFT P1 (LBS)	HORIZ P2 (LBS)
423HD16	2	2	470	260	560	460	560	215
	2	3	--	--	650	460	650	215
423HD14	2	3	--	--	845	460	800	215
	2	4	--	--	1060	460	--	--
423HD12	3 ¹	4	700	390	N/A	N/A	1060	320
	2	5	--	--	1275	460	--	--
423HD12	3 ¹	5	--	--	N/A	N/A	1200	320
	426HD14	4	5	770	485	1995 ²	485	1600 ²
6 ²		5	1405	485	2105 ²	750 ²	2105 ²	640 ²
7 ^{1 2}		5	1640 ²	795 ²	N/A	N/A	--	--
426HD12	4	5	--	--	2475 [†]	920 [†]	--	--
	4	6	--	--	2530 [‡]	920 [‡]	--	--
	6 ²	6	--	--	--	--	2400 [†]	640 [†]
	6 ²	8	--	--	2955 [‡]	970 [‡]	--	--

¹ Locate 3rd screw between bend and anchor hole. Minimum clips shown. HD's with greater mil thickness and matching clip size may be substituted. □ Minimum 046 mil web

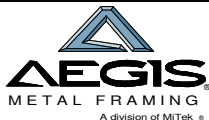
² Min bearing width = 6-5/8"

[†] Minimum 057 mil web

[‡] Minimum 046 (D) mil web (evenly divide screws)



- 1) Min SDS spacing & edge distance = 9/16"
- 2) Edge distances, end distances, and spacing of wood screws shall be sufficient to prevent splitting of the wood. Min. screw spacing = 3/4"
- 3) Wood bearing to be G = 0.5 minimum.
- 4) As specified by NDS, a wind load duration factor Cd = 1.6 has been applied to the wood screw allowable pullout capacity. No further increase permitted.
- 5) Place screws in line w/holes in the HD or closer to the bend in clip.
- 6) HD product specified is manufactured by Aegis Metal Framing. Any substitution is prohibited.
- 7) When this connection detail is applied to both plies of a 2-ply truss, the capacities double.
- 8) This detail does not indicate or imply that the depicted bearing is structurally adequate for the loads shown. Design of bearing is req'd.
- 9) Max. Reactions shown are non-concurrent.
- 10) Minimum bearing width = 5-1/2" (U.N.O.)
- 11) Holes in HD to be pre-drilled to fastener specifications to prevent stripping of wood screws.
- 12) Screw must comply with ANSI/ASME Standard B18.6.1-1981.



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USC TRUSS TO WOOD BEARING
 423HD/426HD

DETAIL NO.

C-WD-1

CATEGORY

STANDARD DETAILS

DATE

5/2013