

		MAXIMUM CAPACITY (LBS) - 1-1/2" Wood Bearing						
		USP LL915 #9 x 1-1/2"		USP WS15 1/4" x 1-1/2"		Wood Screw #9 x 1-1/2"		
Wood Screws HD-WD	#10 SDS HD-B	UPLIFT P1 (LBS)	HORIZ P2 (LBS)	UPLIFT P1 (LBS)	HORIZ P2 (LBS)	UPLIFT P1 (LBS)	HORIZ P2 (LBS)	
423HD16	2	2	385	260	650	460	400	215
	3 <sup>1</sup>	2	580	390	N/A	N/A	600	320
423HD14	2	2	--	--	655	460	--	--
426HD14	4	3	770	525	1125	630	800	430
	6 <sup>2</sup>	4	1160	630	1980	630	1200	630

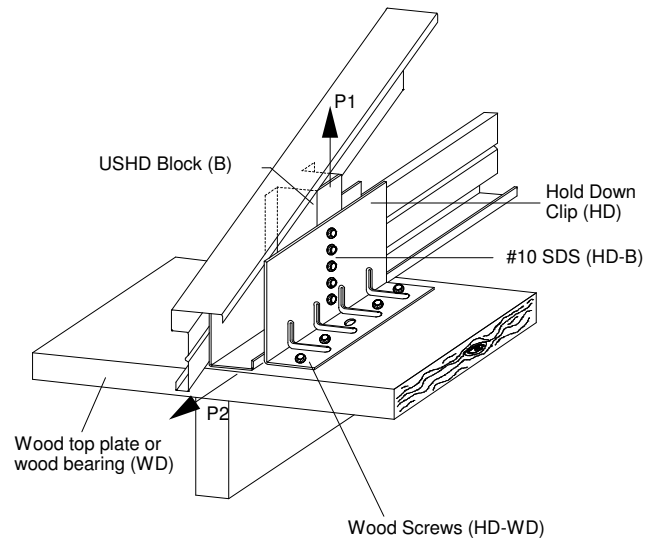
<sup>1</sup> Locate 3rd screw between bend and anchor hole.  
Minimum clips shown. HD's with greater mil thickness  
and matching clip size may be substituted.

<sup>2</sup> Min bearing width = 6-5/8"

		MAXIMUM CAPACITY (LBS) - 3" Wood Bearing						
		USP LL930 #9 x 3"		USP WS3 1/4" x 3"		Wood Screw #9 x 3"		
Wood Screws HD-WD	#10 SDS HD-B	UPLIFT P1 (LBS)	HORIZ P2 (LBS)	UPLIFT P1 (LBS)	HORIZ P2 (LBS)	UPLIFT P1 (LBS)	HORIZ P2 (LBS)	
423HD16	2	2	470	260	650	460	650	215
	3 <sup>1</sup>	2	650	390	N/A	N/A	--	--
423HD14	2	3	--	--	1060	460	800	215
	3 <sup>1</sup>	3	700	390	N/A	N/A	1060	320
423HD12	2	3	--	--	1275	460	--	--
	3 <sup>1</sup>	3	--	--	N/A	N/A	1200	320
426HD14	4	3	935	525	1485	630	1485	430
	4	5	--	--	1995	630	1600	430
	6 <sup>2</sup>	5	1405	630	2105	630	2105	630
	7 <sup>1 2</sup>	4	1640	630	N/A	N/A	--	--
426HD12	4	6	--	--	2550	630	--	--
	6 <sup>2</sup>	6	--	--	2955	630	2400	630

<sup>1</sup> Locate 3rd screw between bend and anchor hole.  
Minimum clips shown. HD's with greater mil thickness  
and matching clip size may be substituted.

<sup>2</sup> Min bearing width = 6-5/8"



- 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.



www.AegisMetalFraming.com  
14515 N. Outer 40 Drive - Suite 110  
Chesterfield, MO 63017  
Phone: (866) 902-3447 Fax: (314) 434-5234

## USD HEEL TO WOOD BEARING 423HD / 426HD

DETAIL NO.

# D-WD-1H

CATEGORY

STANDARD DETAILS

DATE

5/2013