

MAXIMUM REACTION (LBS)				
	WEB	#10 SDS HD-C	#10 ¹ SDS C-W	UPLIFT P1
423HD16	035	2	4	485
		3	4	650
	046	2	4	650
423HD14	035	2	4	485
		2	4	730
		2	4	970
		3	6	1060
	046	2	4	840
057	3	4	1060	
	2	4	940	
423HD12	035	3	6	1400
	046	3	4	1400
	057	3	4	1400
426HD14	035	4	6	1460
		5	8	1940
		5	10	1995
	046	4	4	1675
		5	6	1995
057	4	4	1880	
426HD12	035	5	8	1944
		7	12	2915
	046	6	6	2515
		7	8	2995
	057	6	6	2820
7	8	2995		

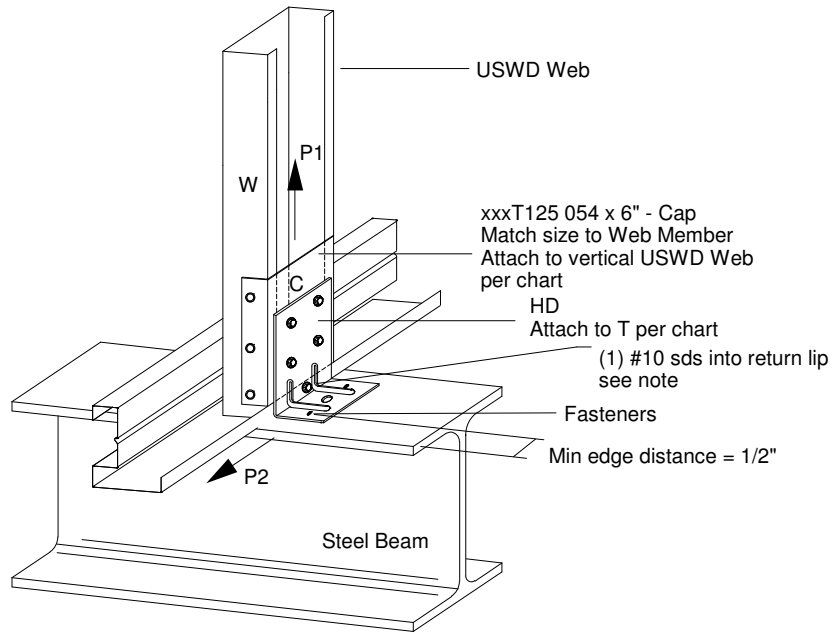
(2) Hilti X-U

(4) Hilti X-U

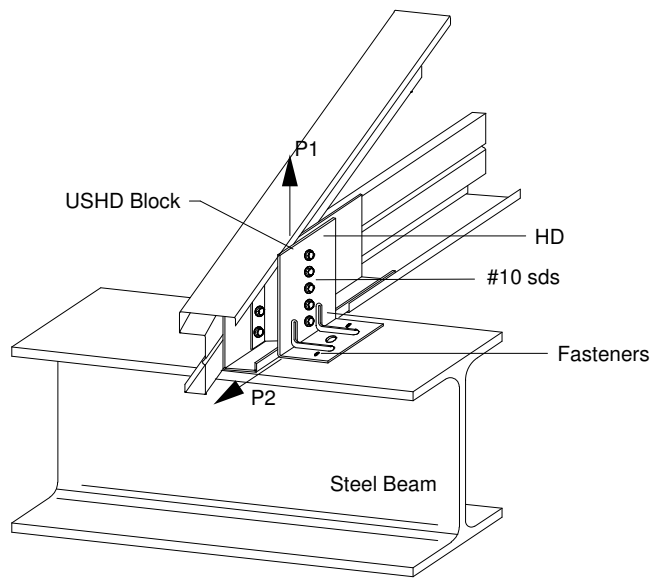
Values based on steel thickness of 1/4" - 1/2"
¹ C-W connection specified on truss drawing override this chart

MAXIMUM REACTION (LBS)			
	HILTI X-U	#10 SDS	UPLIFT P1
423HD16	2	2	650
423HD14	2	2	940
		3	1060
423HD14	2	3	1400
426HD14	4	4	1880
		5	1995
426HD12	4	5	2350
		6	2995

Values based on steel thickness of 1/4" - 1/2"



Horizontal Reaction, P2 = 155 lbs
 Horizontal Reaction increased to 395 lbs
 w/ (1) #10 sds installed into return lip



Horizontal Reaction, P2 = 630 lbs

- 1) Min. screw spacing & edge distance = 9/16".
- 2) Min. PAF spacing = 1", Min. Edge Dist = 1/2"
- 3) Refer to the Hilti Product Technical Guide for installation requirements and application limits.
- 4) Equivalent PAF's may be substituted.
- 5) Place PAF's thru or in line w/ holes in HD14.
- 6) When this connection detail is applied to both plies of a 2-ply truss, the capacities double.
- 7) This detail does not indicate or imply that the depicted bearing is structurally adequate for the loads shown. Design of bearing is req'd.
- 8) Max. Reactions shown are non-concurrent.



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USD TRUSS TO BEARING CONNECTION 423 HD / 426 HD STRUCTURAL STEEL

Revised 5/6/11 - New 423HD14, 423HD16 and 426HD14

DETAIL NO.

D-SS-1.1

CATEGORY

STANDARD DETAILS

DATE

5/20/11