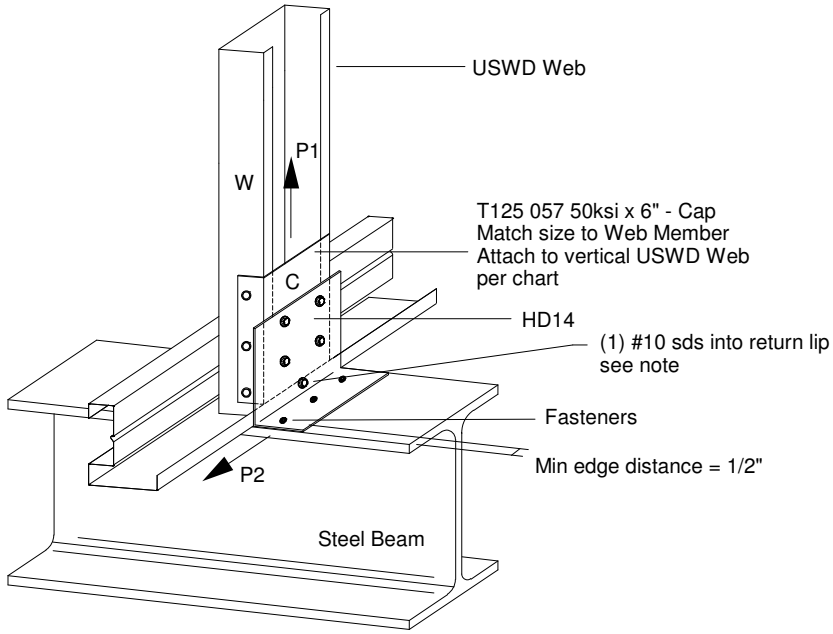
	MAXIMUM REACTION (LBS)				
	WEB	#10 SDS HD-C	#10 SDS C-W	UPLIFT P1	
423HD14	035	2	4	485	(2) Hilti X-U
		2	4	730	
		2	4	970	
		3	6	1200	
	046	2	4	840	
		3	4	1200	
	057	2	4	1025	
		3	4	1200	
426HD14	046	4	4	1675	(3) Hilti X-U
		5	6	2095	
	057	4	4	1880	
		5	6	2325	

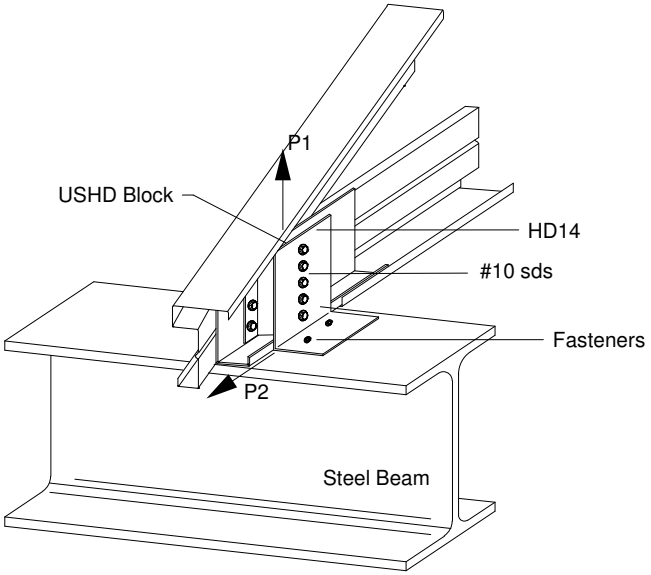
Values based on steel thickness of 1/4" - 1/2"



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

	MAXIMUM REACTION (LBS)		
	HILTI X-U	#10 SDS	UPLIFT P1
423HD14	2	2	940
		3	1200
426HD14	3	4	1880
		5	2325

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



Horizontal Reaction, P2 = 630 lbs

1) Min. screw spacing & edge distance = 9/16".
2) Min. PAF spacing = 1", Min. Edge Dist = 1/2"
3) Min. bearing width = 3".
4) Refer to the Hilti Product Technical Guide for installation requirements and application limits.
5) Equivalent PAF's may be substituted.
6) Place PAF's thru or in line w/ holes in HD14.
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.

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USD TRUSS TO BEARING CONNECTION 423/426HD14 - STRUCTURAL STEEL

DETAIL NO.
D-SS-1

CATEGORY
STANDARD DETAILS

DATE 3/3/09