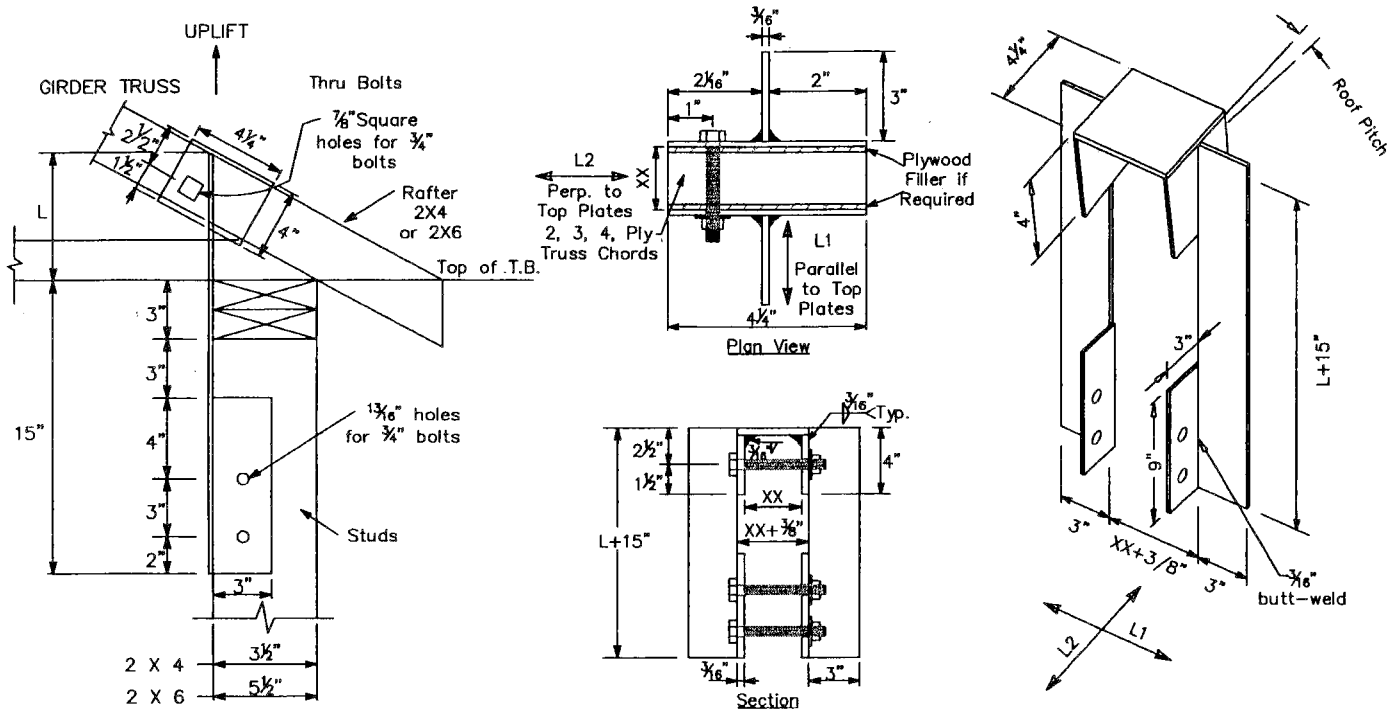


Uplift Strap Connector NVUCF

Wood to Wood

Wood to Wood

Heavy Welded Connectors



Product Code	PLYS	XX (in)	Allowable Uplift Loads (lbs.)		Allowable Lateral Loads (lbs.)			
			Southern Pine	Douglas Fir	SP	DF	SP	DF
					L1	L1	L2	L2
NVUCF-2	2	31/4"	9300	8700	6000	7000	4250	3740
NVUCF-3	3	43/4"	9870	9470	6000	7000	5200	4980
NVUCF-4	4	61/2"	9870	9470	6000	7000	5200	4980

Roof Slope	Values of L (in.)	
	Rafter 2x4	Rafter 2x6
3/12	5.6	7.7
4/12	6.4	8.5
5/12	7.1	9.3
6/12	7.9	10.2
7/12	8.7	11.0
8/12	9.5	11.9

Structural Notes:

- Design conforms to FBC 2014, IBC/IRC 2015/2012 and NDS 2012.
- 3/16" thick Structural steel shall conform to ASTM A36, yield strength 36000 psi and 58000 PSI Tensile Strength. Load Value shown are based on Steel Stress without 33% increase.
- All welding shall be minimum 3/16" with E70 electrodes and shall conform to latest AISC/AWS codes. All contact areas shall be fully fillet welded.
- All 3/4" diameter bolts through wood shall be per ANSI/ASME Standard B18.2.1.
- The Lateral loads shall not exceed the Truss Chord Capacity.
- Lateral loads combined with uplift loads, shall satisfy the following equation:

$$\frac{\text{Actual Uplift}}{\text{Allowable Uplift}} + \frac{\text{Actual L1}}{\text{Allowable L1}} + \frac{\text{Actual L2}}{\text{Allowable L2}} \leq 1.0$$

- Uplift and Lateral values shown are reduced for bolt spacing and edge and end distances. Uplift loads shall not exceed Truss chord capacity.
- Uplift and Lateral values are also controlled by compression perpendicular to grain of 565 psi for Southern Pine per and 625 psi for Douglas Fir per NDS. For other species, contact Engineer for values.
- Provide plywood shims to close the gap between truss chords to obtain full bearing and prevent bending of thru bolts.
- All products are painted Royal Blue for easy identification.

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