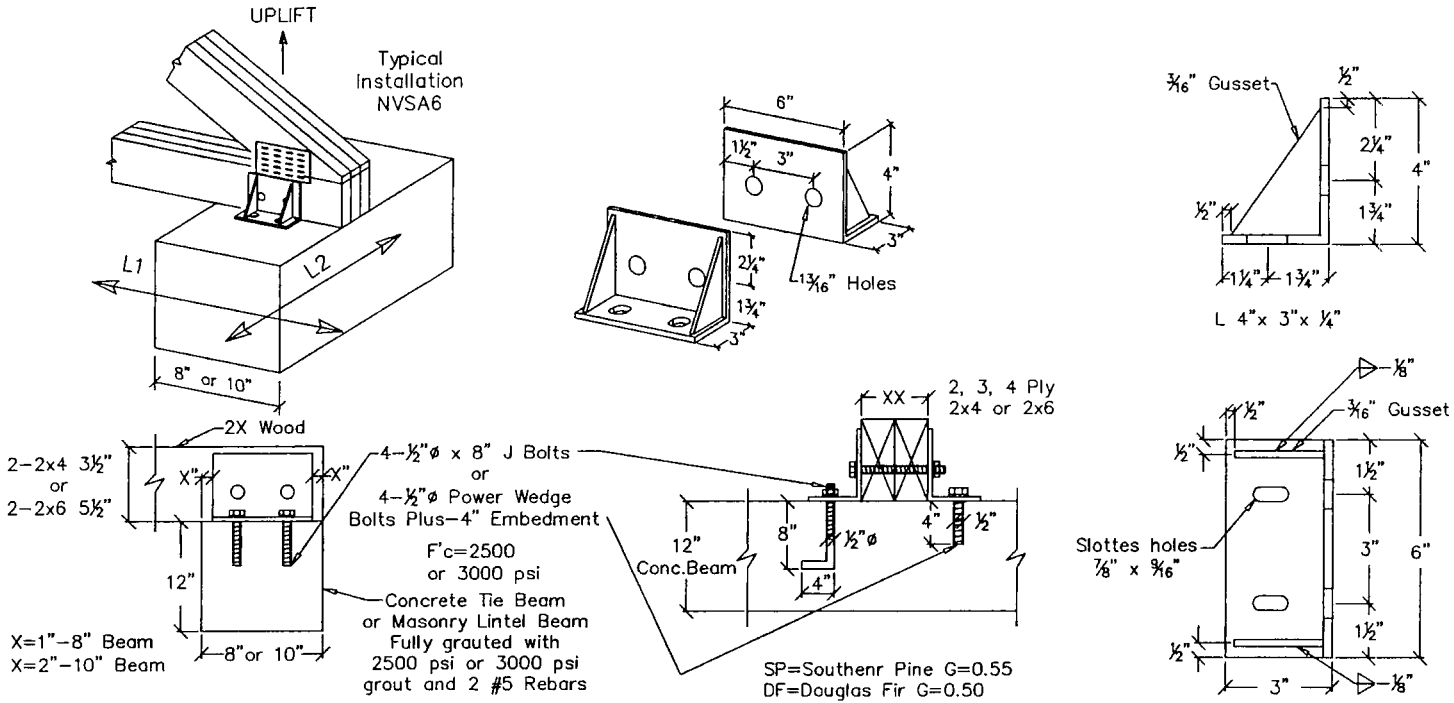


Uplift Truss Connector NVSA6

Wood to Concrete or Concrete Masonry

Wood to Concrete

Heavy Welded Connectors



Wood	PLYS	XX (in)	Allow Uplift Loads (lbs) f'c=2.5 ksi or 3 ksi Bolts 1/2" ø x 8" or 1/2" Wedge Bolts Plus 8" Concrete Beam			
			8" Concrete Beam		10" Concrete Beam	
			SP	DF	SP	DF
2X4	2	3	2478	2184	2478	2184
	3	4 1/2	3313	3037	3313	3037
	4	6	3737	3524	3737	3524
2X6 or Larger	2	3	3525	3108	4248	3744
	3	4 1/2	4714	4321	5680	5206
	4	6	5317	5015	6406	6042

Concrete Beam	Allowable Lateral Loads (lbs) L1			
	2, 3, 4 Plys, SP or DF			
	1/2" ø wedge bolts		1/2" ø J bolts	
	F'c 2.5	F'c 3.0	F'c 2.5	F'c 3.0
8"	5461	5526	6000	7200
10"	6750	6830	6000	7200

Allowable Lateral Loads (lbs) L2			
2, 3, 4 Plys, SP or DF Beams 8" & 10"			
1/2" ø wedge bolts		1/2" ø J bolts	
F'c 2.5	F'c 3.0	F'c 2.5	F'c 3.0
7100	7185	6000	7200

* For 1/2" wedge bolts

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Structural Notes:

- Design conforms to FBC 2014, IBC/IRC 2015/2012 and NDS 2012.
- 1/4" and 3/16" thick Structural steel shall conform to ASTM A36, yield strength 36000 psi., 58000 PSI Tensile Strength. Load Value shown are based on Steel Stress without 33% increase.
- All welding shall be minimum 1/8" 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 or ASTM A307.
- All Power Fasteners wedge bolt plus anchors shall be per Power Fasteners Catalog. Minimum anchor embedment shall be 4". Minimum normal weight concrete shall be 2500 psi. Anchor diameter is 1/2". Bolt values are with a factor of Safety of 4.
- 1/2" ø x 8" anchor bolts Shall Conform to ASTM A307 or A36.
- Concrete masonry Shall be ASTM C90, F'm = 1500 psi or greater.
- 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, edge and end distances. Uplift loads shall not exceed Truss chord capacity.
- Lateral values are controlled by compression perpendicular to grain of 565 psi for Southern Pine and 625 psi for Douglas Fir per NDS. For other species, contact Engineer for values.
- All products are painted Royal Blue for easy identification.