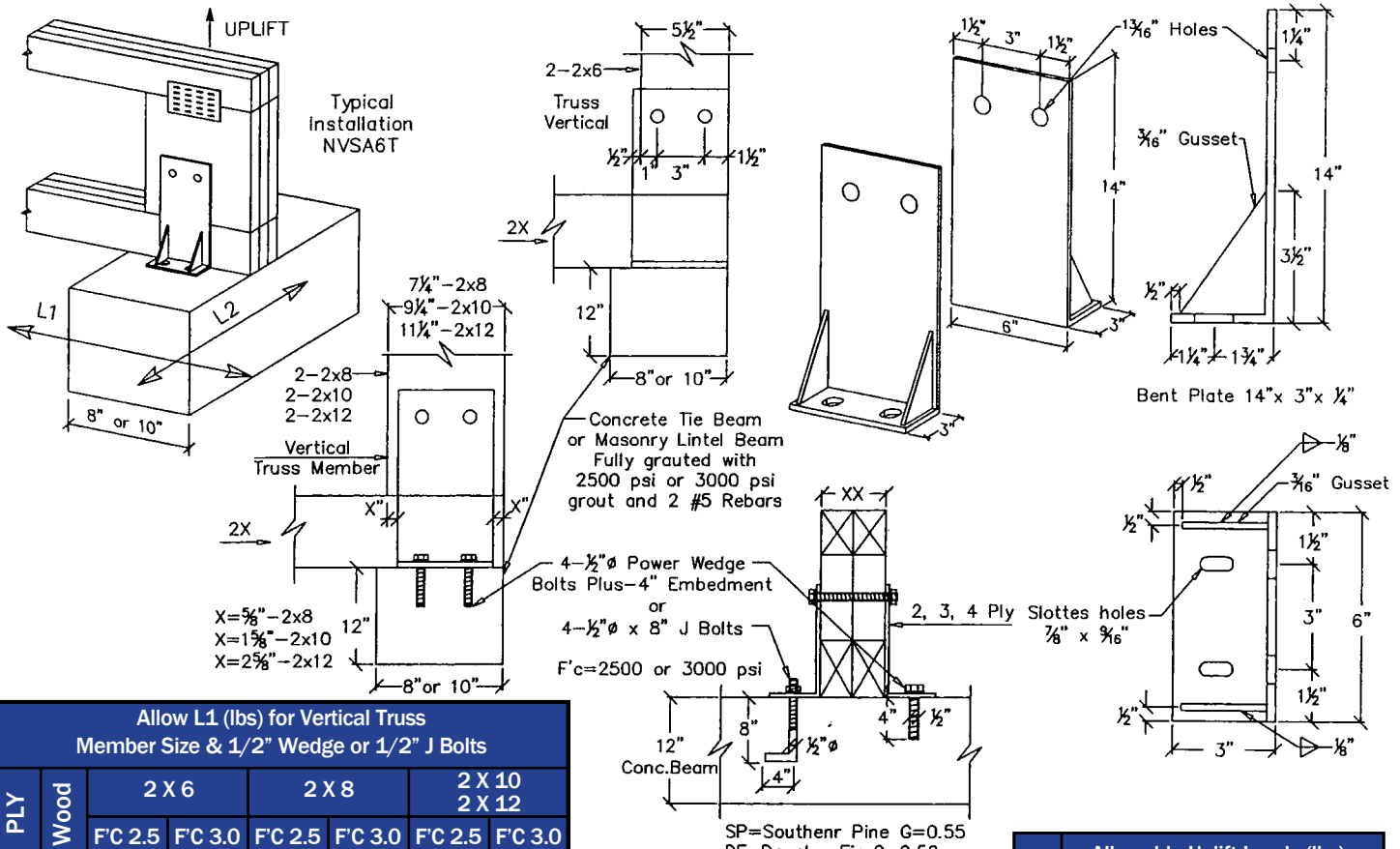


# Uplift Truss Connector NVSA6T

## Wood to Concrete or Concrete Masonry

Wood to Concrete

Heavy Welded Connectors



Allow L1 (lbs) for Vertical Truss Member Size & 1/2" Wedge or 1/2" J Bolts							
PLY	Wood	2 X 6		2 X 8		2 X 10 2 X 12	
		F'C 2.5	F'C 3.0	F'C 2.5	F'C 3.0	F'C 2.5	F'C 3.0
2	SP	3186	3186	3611	3611	4248	4248
	DF	2808	2808	3182	3182	3744	3744
3	SP	3857	3903	4828	4828	5680	5680
	DF	3857	3903	4425	4425	5206	5206
4	SP	3857	3903	4908	4967	<sup>6398</sup> 6000*	6406
	DF	3857	3903	4908	4967	6042	6042

\* For 1/2" J bolts

Allowable L2 (lbs) 2, 3, 4 Plies, 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
7100	7185	6000	7200

Wood	Allowable Uplift Loads (lbs) 2, 3, 4 Plies			
	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
SP	5516	6306	7792	7792
DF	5516	6306	7792	7792

### 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.

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