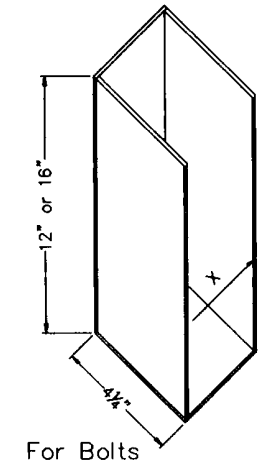
Wood to Concrete Truss Hangers NVFHE

Concrete Strength (psi)	Carried Truss	Allowable Lateral Loads (lbs.) (Power Fasteners)									
		12˝ High					16˝ High				
		1 Ply NVFHE1A	2 Ply NVFHE2A	3 Ply NVFHE3A	4 Ply NVFHE4A	5 Ply NVFHE5A	1 Ply NVFHE1B	2 Ply NVFHE2B	3 Ply NVFHE3B	4 Ply NVFHE4B	5 Ply NVFHE5B
2000	L1	1600	1600	3200	3200	3200	1750	1750	1750	3450	3450
	L2	890	1790	2390	2690	2690	1330	2680	3580	4030	4030
2500	L1	1625	1625	3375	3375	3375	1765	1765	1765	3505	3505
	L2	890	1790	2390	2690	2690	1330	2680	3580	4030	4030
3000	L1	1650	1650	3550	3550	3550	1780	1780	1780	3560	3560
	L2	890	1790	2390	2690	2690	1330	2680	3580	4030	4030

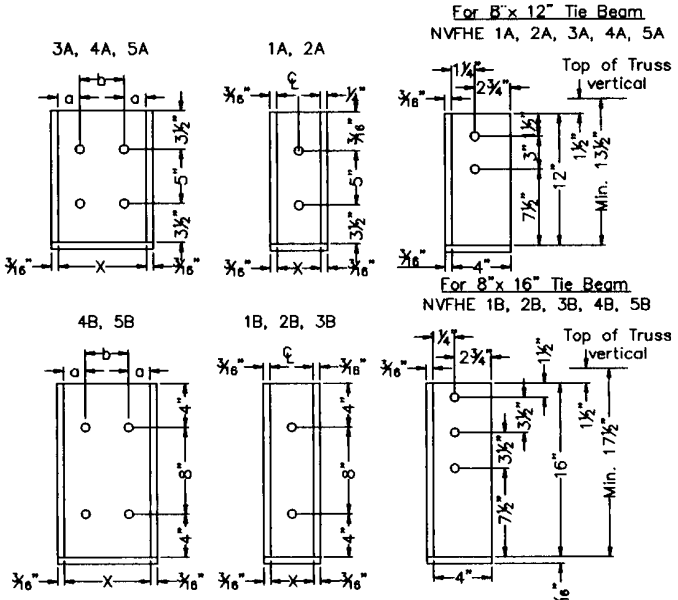
Carried Truss	a (in)	b (in)
3A	1 1/4˝	3
4A, 4B	1 1/8˝	4 3/4˝
5A, 5B	1 1/4˝	6

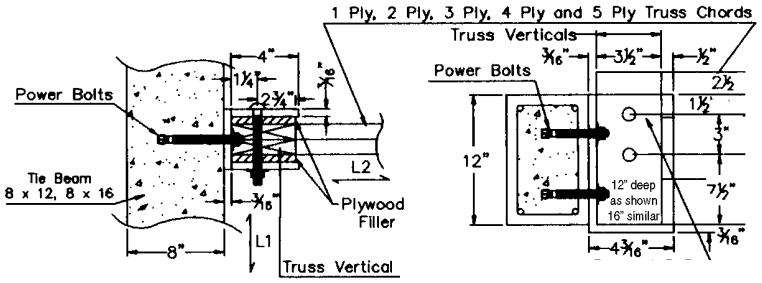
Ply	X(in)
1	1 3/4˝
2	3 1/2˝
3	5 1/2˝
4	7
5	8 1/2˝

Isometric for all NVFHE Connectors



For Bolts Location See Detail





Structural Notes: Wood to concrete and wood to wood connectors.

1) All design conforms to 2014 FBC and 2015/2012 IBC and IRC AND NDS 2012.
2) 3/16˝ thick Structural steel shall conform to ASTM A36, yield strength 36000 psi. All bolt holes are 13/16˝ diameter.
3) All welding shall be minimum 3/16˝ with E70 electrodes and shall conform to latest AISC/AWS codes. All welds shall be fillet welds.
4) All Power Fasteners wedge bolt anchors shall be per manufacturer's published information. Minimum anchor diameter is 3/4˝ and anchor embedment shall be 6˝.
5) Lateral values in concrete shown are reduced for bolt spacing and edge distance. Power fasteners are used without 33% increase in allowable values.
6) All bolt values in wood conform to NDS for southern pine, G=0.55. Values for other species shall be adjusted as per NDS. Bolts are 3/4˝ diameter.
7) Bolts shall not penetrate Truss top and bottom chords and shall only be through Truss Verticals.
8) This connector shall only be used for wood members loaded parallel to grain.
9) Steel stress is not increased by 33%.
10) Provide plywood shims to close the gap between carried truss and steel connectors to prevent bending of bolts.
11) Lateral loads shall be combined with Uplift loads to satisfy the equation:

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

12) All products are painted Royal Blue for easy identification

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