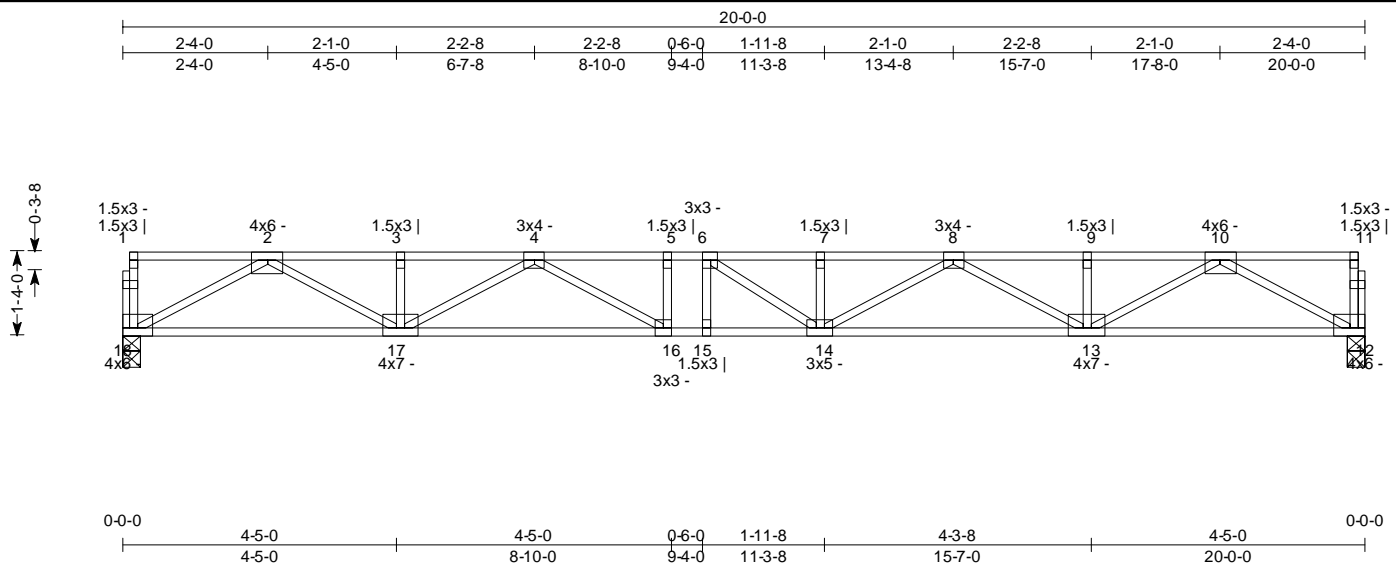


SPAN 20-0-0	PITCH 0/12	QTY 1	OHL 0-0-0	OHR 0-0-0	PLYS 1	SPACING 16 in	WGT/PLY 79 lbs	BRD FT/PLY 55.3
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Loading	General	CSI Summary	Deflection	L/	(loc)	Allowed
Load (psf): 40	Bldg Code: IRC 2006/TPI 1-2002	TC: 0.45 (4-5)	Vert TL: 0.36 in	L / 653	(14-15)	L / 360
TCDL: 10	Rep Mbr Increase: No	BC: 0.92 (15-16)	Vert LL: 0.26 in	L / 893	(14-15)	L / 480
BCLL: 0	D.O.L.: 100 %	Web: 0.28 (10-13)	Horz TL: 0.06 in		12	
BCDL: 5	Matrix					

Plate Offsets (Jnt:X,Y,Ang): (1:2-4,1-8,90), (2:0-0,2-0,0), (3:0-12,1-8,90), (4:0-0,1-8,0), (5:0-12,1-8,90), (6:1-8,1-8,0), (7:0-12,1-8,90), (8:0-0,1-8,0), (9:0-12,1-8,90), (10:0-0,2-0,0), (11:2-4,1-8,90), (12:3-0,2-0,0), (13:0-12,2-0,0), (14:0-12,1-8,0), (15:0-12,1-8,90), (16:1-8,1-8,0), (17:0-12,2-0,0), (18:3-0,2-0,0)

**Reaction Summary**

JT	Type	Brg Combo	Brg Width	Rqd Brg Area	Max React	Max Grav Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift	Max Horiz
18	Pin (Wall)	1	3.5 in	1.73 in^2	733 lbs	.	.	.	.	.
12H	Roll (Wall)	1	3.5 in	1.73 in^2	733 lbs	.	.	.	.	.

**Material Summary**

TC SPF #2 4 x 2  
BC SPF #2 4 x 2  
Webs SPF #2 4 x 2

**Member Forces Summary**

Table indicates: Member ID, max CSI/Stress, max axial force, (max compr. force if different from max axial force)

Member ID	Max CSI/Stress	Max Axial Force	Member ID	Max CSI/Stress	Max Axial Force	Member ID	Max CSI/Stress	Max Axial Force
4-5	0.450	-2,928 lbs	7-8	0.450	-2,925 lbs	10-11	0.188	0 lbs
5-6	0.424	-2,928 lbs	8-9	0.314	-2,042 lbs			
6-7	0.441	-2,925 lbs	9-10	0.314	-2,042 lbs			
12-13	0.402	1,166 lbs	14-15	0.924	2,928 lbs	16-17	0.797	2,615 lbs
13-14	0.807	2,614 lbs	15-16	0.924	2,928 lbs	17-18	0.405	1,166 lbs
1-8	0.009	-63 lbs	4-7	0.119	-658 lbs	6-4	0.001	-4 lbs
2-8	0.243	-1,338 lbs	4-16	0.102	360 lbs	7-14	0.022	-146 lbs
2-17	0.283	1,005 lbs	5-16	0.019	-128 lbs	8-14	0.101	358 lbs
3-17	0.021	-139 lbs	6-15	0.005	-34 lbs	8-13	0.119	-656 lbs
						9-13	0.021	-139 lbs
						10-13	0.284	1,005 lbs
						10-12	0.243	-1,338 lbs
						11-12	0.009	-63 lbs

**Notes:**

- When this truss has been chosen for quality assurance inspection, the Plate Placement Method per TPI 1-2002/A3.2 shall be used.
- Building designer shall verify BC DL, including BC self weight, is less than or equal to 5 psf.

A copy of this design shall be furnished to the erection contractor. This design is for an individual building component (a truss). It is based on specifications provided by the Truss Designer and performed in accordance with TPI 1-2002 and the 2001 NDS design standard. No responsibility is assumed for the accuracy of information provided by the Truss Designer. Dimensions shall be verified by the building designer. The building designer shall review loading and truss configuration to ensure that this design meets or exceeds minimum loading required by applicable local building codes. Compression chords shall be laterally braced by the roof or floor sheathing, directly attached, unless otherwise noted. Bracing shown is for lateral support of individual truss components only to reduce buckling length. It is not wind or lateral load bracing or overall building design bracing which is by others. Refer to BCSI-B3 for recommended truss handling and erection. Do not apply loads beyond weight of erectors until all permanent bracing is in place. Concentration of construction loads greater than the design loads shall not be applied to the trusses at any time. Trusses shall be handled with care prior to erection to avoid damage. Lumber moisture content shall be 19% or less at the time of fabrication, unless noted otherwise (U.N.O.). Connector plates shall be manufactured by Eagle Metal Products (ESR-1082). Plates shall be applied on both faces of truss at each joint. Plate dimensions are listed width x length. Slots (holes) in plate shall run parallel to the plate length. The plate shall be centered on joint and/or placed in accordance with the current version of TPI. Design assumes adequate anchorage will be provided to resist uplift at supports. The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer, per ANSI/TPI 1-2002 Chapter 2.