

Quality Line Truss Co., LLC

34593 S 4350 RD

Address 2

Adair, OK 74330

Truss:F05

Job: QU02700_RESERVE_BLDGH_REF

Date: 06/26/25 21:08:57

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SPAN
5-4-8

PITCH
0/12

QTY
4

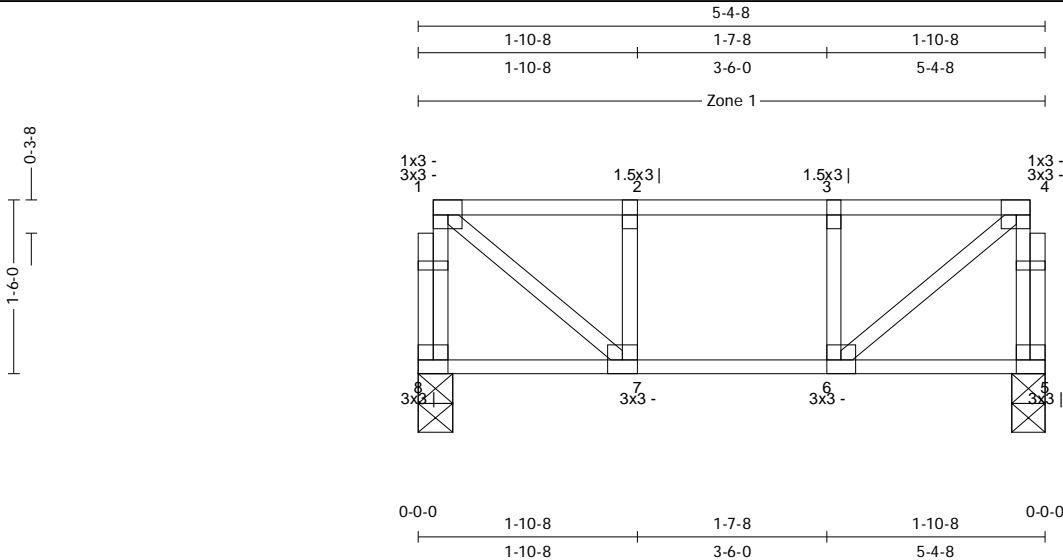
OHL
0-0-0

OHR
0-0-0

PLYS
1

SPACING
19.19 in

WGT/PLY
31 lbs



All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General	CSI	Deflection	L/	(loc)	Allowed
TCLL : 40	Bldg Code : IBC 2018/	TC : 0.13 (1-2)	Vert TL: 0.01 in	L/999	(5-6)	L/240
TCDL : 10	TPI 1-2014	BC : 0.10 (6-7)	Vert LL: 0.01 in	L/999	(5-6)	L/360
BCLL : 0	Rep Mbr : Yes	Web : 0.05 (1-7)	Horz TL: 0 in		5	
BCDL : 10	Lumber D.O.L. : 100 %					

Reaction

JT	Brg Combo	Brg Width	Rqd Brg Width	Max React	Max Grav Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift	Max Horiz
8	1	3.5 in	1.50 in	301 lbs	.	.	.	.	.
5	1	3.5 in	1.50 in	301 lbs	.	.	.	.	.

Material

TC: SYP #1 4 x 2

BC: SYP #1 4 x 2

Web: SYP #1 4 x 2

Loads

1) Concurrent minimum storage attic loading has been applied in accordance with IBC 1607.1

Member Forces

Table indicates: Member ID, max CSI, max tension force, (max compression force). Only forces greater than 300lbs are shown in this table.

TC	BC	Web	1-7	0.055	330 lbs
			4-6	0.055	330 lbs

Notes

- 1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
- 2) The fabrication tolerance for this floor truss is 10 % (Cq = 0.90).
- 3) A creep factor of 2.00 has been applied for this truss analysis.
- 4) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used.

WARNING: Verify all design parameters and follow all notes on this drawing and in the Eagle Metal Design Notes. This design is for an individual building component (a truss), not a truss system, and is based only on parameters shown and provided by the Building Designer. The applicability of the design parameters must be verified by the Building Designer and should properly incorporate this design into the overall building design before use. Bracing shown is only to prevent buckling of individual truss web and/or chord members. Additional temporary and permanent bracing is always required to prevent collapse and provide stability. Design valid only when Eagle Metal connectors are used. A seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown.

TrueBuild® Truss Software v5.7.21
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