TEAGLE METAL®

The truss designs referenced below have been prepared by me or under my direct supervision based on the truss design criteria and requirements ("design criteria") provided by **Quality Line Truss**.

These truss designs are intended for the fabrication of individual building components that will perform to the design criteria provided. Any variance from the design criteria will render the affected truss designs inapplicable.

Listed below are the truss designs included in this package and covered by this seal.

Job: QU02697_RESERVE_BLDG F1_REFRESHED_11252024 - 1243593 GE01, GE02, GE03, GE04, T01, T02, T03, T04, T05, T06, T07, T08, F01, F02, F03, F04, F05-ALL, F05

Any location identification is for file reference only. No determination of the appropriateness of design criteria for any specific project has been made in preparing the truss designs.

Please refer to individual truss designs for specific design criteria.



Anish Kekre (MO, 2024044263)

My license expiration date for the state of MO is 12/31/2026.

IMPORTANT NOTE: The responsibility of the engineer sealing this package, as a Truss Engineer, is solely for design of individual trusses as individual building components based upon design criteria provided by others and set forth in the referenced truss drawings. The truss design criteria for the components have not been verified as appropriate for any particular building, project or use. Adequacy and suitability of design criteria and requirements for the truss designs for any specific project are the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.

Empowering great component manufacturers.

DESIGN NOTES

- The Truss Design Drawing(s) provided with these Design Notes have been prepared under and are subject to ANSI / TPI 1 published by the Truss Plate Institute, www.tpinst.org.
 Capitalized terms have the meanings provided in ANSI / TPI 1.
- Copies of each Truss Design Drawing shall be furnished to the installation contractor, Building Designer, Owner and all persons fabricating, handling, installing, bracing, or erecting the trusses.

DESIGN LIMITATIONS

- 3. The Truss Design Drawing is based upon specifications provided by the Building Designer in accordance with ANS1 / TPI 1. Neither the Truss Designer, Eagle, nor an engineer who seals this design (if any) assumes any responsibility for the adequacy or accuracy of specifications provided by the Building Designer.
- 4. The Building Designer is solely responsible for the suitability based upon the Truss Design Drawing and shall be responsible for reviewing and verifying that the information shown is in general conformance with the design of the Building.
- Each Truss Design Drawing is for the individual building component (a truss). A seal on the Truss Design Drawing indicates acceptance of professional engineering responsibility solely for the individual truss.
- **6.** Each Truss Design Drawing assumes trusses will be suitably protected from the environment.

HANDLING, INSTALLING, & BRACING

- Refer to Building Component Safety Information (BCSI) for handling, installing, restraining and bracing trusses. Copies can be obtained from the Structural Building Components Association, www.sbcindustry.com.
- 8. Bracing shown on each Truss Design Drawing is for lateral support of individual truss components only to reduce buckling lengths. All temporary and permanent bracing, including lateral load and diagonal or cross bracing, are the responsibility, respectively, of the erector and Building Designer.
- Eagle is not responsible for improper truss fabrication, handling, erection or bracing.
- 10. Compression chords shall be laterally braced by the roof or floor sheathing, directly attached, or have purlins provided at spacing shown, unless noted otherwise.

- Bottom chord required bracing shall be at 10ft spacing or less, if no structural rated ceiling is installed, unless noted otherwise.
- **12.** Strongbacking shall be installed on all parallel chord trusses, including flooring systems, to limit deflection and reduce vibration. Refer to BCSI-B7.
- Never exceed the design loading shown. Never stack building or other materials on inadequately braced truss; refer to BCSI.
- Concentration of construction loads greater than the design loads shall not be applied to the trusses at any time; refer to BCSI.
- Trusses shall be handled with care prior to erection to avoid damage.
 Refer to BCSI for recommended truss handling and erection.

MATERIALS & FABRICATION

- **16.** Lumber moisture content shall be 19% or less at the time of fabrication unless noted otherwise.
- 17. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Unless expressly noted, the truss designs are not applicable for use with fire retardant or preservative treated lumber.
- 19. Plates shall be applied on both faces of truss at each joint and embedded fully. Knots and wane at joint locations shall be regulated in accordance with ANSI / TPI 1.
- **20.** For a specified plate gauge and grade, the specified size is a minimum.
- 21. Connections not shown are the responsibility of others.
- Adequate support shall be provided to resist gravity, lateral and uplift loads.
- 23. For 4X2 truss orientation, locate plates 0 1/16" from outside the edge of the truss.
- 24. Fabrication of truss shall be in accordance with ANSI / TPI 1.

OTHER NOTES

- Camber is a non-structural consideration and is the responsibility of truss fabricator.
- **26.** Do not cut or alter any truss member or plate without prior approval from a professional engineer.
- Lumber design values are in accordance with ANSI / TPI 1; lumber design values are by others.
- 28. Install specified hangers per manufacturer recommendations.

SYMBOLS

PLATE SIZE

3X4 - The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

-, /, I, Indicates required direction of slots; Reference "Joint Details" for more information.

20 Ga Gr40 connectors required

3X10-20HS - 20 Ga Gr60 connectors required

8X10-18HS - 18 Ga Gr60 connectors required

LATERAL BRACING

When this symbol shown, continuous lateral bracing is required on the member of the truss.



Indicates location where bearings (supports) occur.



The plate shall be centered on joint and/or placed in accordance with the design drawing/QC full scale details.



REFERENCES

- •ANSI / TPI 1: National Design Standard for Metal Plate Connected Wood Trusses
- •BCSI: Building Component & Safety Information - Guide to Good Practice for Handling, Installing, Restraining, & Bracing of Metal Plate Connected Wood Trusses.
- •NDS: National Design Specification for Wood Construction
- •ESR: 1082 published by the International Code Council. www.icc-es.org



34593 S 4350 RD Address 2 Adair, OK 74330 Truss:F01

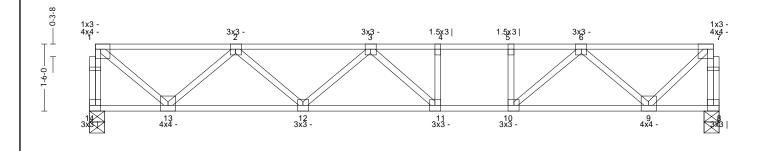
Job: QU02697_RESERVE_BLDG F1_REFRE

Date: 08/01/25 15:37:25

Page: 1 of 1

Zone 2

SPAN 14-0-0	PITCH 0/12	QTY 4	OHL 0-0-0	OHR 0-0-0		PLYS 1	SPACING 19.19 in	WGT/PLY 72 lbs	
1				14-0-0				1	
	3-3-0	3-0	.0	1-6-12	1-6-0	1-7-8	3-0-1	2	
	3-3-0	6-3	-0	7-9-12	9-3-12	10-11-4	14-0-	0	



0-0	1-9-0	3-0-0	3-0-12	1-6-0	3-1-8	1-6-12
	1-9-0	4-9-0	7-9-12	9-3-12	12-5-4	14-0-0

All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General		CSI		Deflection	n	L/	(loc)	Allowed
TCLL: 40	Bldg Code:	IBC 2018/	TC:	0.43 (5-6)	Vert TL:	0.19 in	L/859	(11-12)	L/240
TCDL: 10	-	TPI 1-2014	BC:	0.58 (10-11)	Vert LL:	0.11 in	L/999	(11-12)	L/360
BCLL: 0	Rep Mbr:	Yes	Web:	0.16(1-13)	Horz TL:	0.02 in		8	
BCDL: 10	Lumber D.O.L.	.: 100 %							

Zone 1

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
14	1	4 in	1.50 in	783 lbs	•	•	•	•	•
8	1	4 in	1.50 in	783 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

Men	nber I	Forces	Table indicates: Member ID, max CSI, max tension force, (max compression force). Only forces greater than 300								er than 300lbs	s are shown in this table.	
TC	1-2	0.339		(-743 lbs)	3-4	0.366		(-1,799 lbs)	5-6	0.426		(-1,799 lbs)	
	2-3	0.340		(-1,712 lbs)	4-5	0.408		(-1,799 lbs)	6-7	0.325		(-648 lbs)	
BC	9-10	0.504	1,305 lbs		11-12	0.538	1,896 lbs						
	10-11	0.578	1,799 lbs		12-13	0.373	1,381 lbs						
Web	1-14	0.081		(-759 lbs)	2-12	0.074	449 lbs		7-9	0.152	917 lbs		
	1-13	0.164	990 lbs		6-10	0.119	659 lbs		7-8	0.081		(-755 lbs)	
	2-13	0.105		(-865 lbs)	6-9	0.108		(-891 lbs)					

Notes

- $1) \, Unless \, noted \, otherwise, do \, not \, cut \, or \, alter \, any \, truss \, member \, or \, plate \, \, without \, prior \, approval \, from \, a \, Professional \, Engineer.$
- 2) Unless otherwise specified by the Building Designer, one strongback every 10'-0".
- 3) The fabrication tolerance for this floor truss is 10% (Cq = 0.90).
- $4)\,A$ creep factor of $2.00\,\text{has}$ been applied for this truss analysis.
- 5) 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. Aseal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown.

34593 S 4350 RD Address 2 Adair, OK 74330 Truss:F02

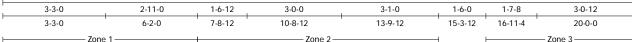
Job: QU02697_RESERVE_BLDG F1_REFRE

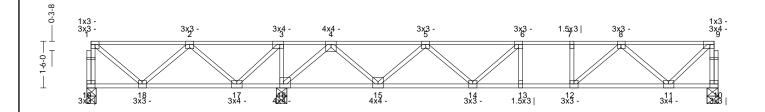
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08/01/2025

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
20-0-0	0/12	3	0-0-0	0-0-0	1	19.19 in	102 lbs
				20-0-0			





0-0	1-9-0	3-0-0	1-5-0	3-0-12	3-0-0	1-7-0	1-6-0	3-1-8	1-6-12 0-0-	-0
,	1-9-0	4-9-0	6-2-0	9-2-12	12-2-12	13-9-12	15-3-12	18-5-4	20-0-0	

All plates shown to be Eagle 20 unless otherwise noted.

•	Loading (psf)	General		CSI		Deflection	n	L/	(loc)	Allowed
	TCLL: 40	Bldg Code:	IBC 2018/	TC:	0.52 (2-3)	Vert TL:	0.08 in	L/999	(13-14)	L/240
	TCDL: 10	Ü	TPI 1-2014	BC:	0.35 (12-13)	Vert LL:	0.05 in	L/999	(13-14)	L/360
	BCLL: 0	Rep Mbr:	Yes	Web:	0.15 (4-15)	Horz TL:	0.01 in		10	
	BCDL: 10	Lumber D.O.I.	: 100 %							

Reaction

JT	Brg Combo	Brg Width	Rqd Brg Width	Max React	Max Grav Uplift	Max MWFRS Uplif	t Max C&C Uplift	Max Uplift	Max 1
16	1	4 in	1.50 in	1,586 lbs	•	•	•	•	
19	1	3.5 in	1.50 in	198 lbs	-179 lbs	•	•	-179 lbs	
10	1	4 in	1.50 in	636 lbs		•	•		

Material

TC: SYP#1 4x 2 BC: SYP#1 4x 2 Web: SYP#1 4x 2

Loads

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

Men	nber I	Forces	Table	indicates: Me	ember ID	, max CSI,	max tension	force, (max co	mpressio	n force). O	nly forces greater tha	n 300lbs	are shown in this table.
TC	2-3	0.523	847 lbs		5-6	0.310		(-1,068 lbs)	7-8	0.241	(-1,2	247 lbs)	
	3-4	0.412	1,401 lbs		6-7	0.162		(-1,247 lbs)	8-9	0.296	(-5	515 lbs)	
BC	11-12	0.299	998 lbs		14-15	0.222	782 lbs		17-18	0.078	(-5	512 lbs)	
	12-13	0.347	1,247 lbs		15-16	0.088		(489 lbs)	l			- 1	
	13-14	0.347	1,247 lbs		16-17	0.133		(-1,401 lbs)					
Web	1-18	0.043		(-315 lbs)	4-16	0.148		(-1,218 lbs)	8-11	0.080	(-6	555 lbs)	
	2-18	0.071	374 lbs		4-15	0.155	933 lbs		9-11	0.121	728 lbs	- 1	
	2-17	0.086		(-703 lbs)	5-15	0.096		(-787 lbs)	9-10	0.066	(-6	517 lbs)	
	3-17	0.128	774 lbs		5-14	0.064	387 lbs		l			· I	
	3-16	0.076		(-705 lbs)	8-12	0.065	340 lbs		l			- 1	

Notes

- 1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
- 2) Unless otherwise specified by the Building Designer, one strongback every $1\bar{0}\mbox{-}0\mbox{''}.$
- 3) The fabrication tolerance for this floor truss is 10% (Cq = 0.90).
- 4) A creep factor of 2.00 has been applied for this truss analysis.
- 5) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used.
- 6) Due to negative reactions in gravity load cases, special connections to the bearing surface at joint 19 may need to be considered.

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. Aseal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown.

34593 S 4350 RD Address 2 Adair, OK 74330 Truss:F03

Job: QU02697_RESERVE_BLDG F1_REFRE

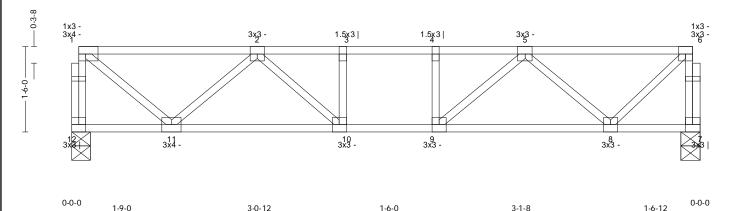
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11-0-0

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SPAN 11-0-0	PITCH 0/12	QTY 2	OHL 0-0-0	OHR 0-0-0	PLYS 1	SPACING 19.19 in	WGT/PLY 58 lbs	
				11-0-0				
	3-3-0		1-6-12	1-6-0	1-7-8	3-∩-12	1	





6-3-12

9-5-4

All plates shown to be Eagle 20 unless otherwise noted.

1-9-0

Loading (psf)	General		CSI		Deflectio	n	L/	(loc)	Allowed
TCLL: 40	Bldg Code:	IBC 2018/	TC:	0.39 (1-2)	Vert TL:	0.05 in	L/999	(10-11)	L/240
TCDL: 10		TPI 1-2014	BC:	0.30 (9-10)	Vert LL:	0.04 in	L/999	(10-11)	L/360
BCLL: 0	Rep Mbr:	No	Web:	0.12 (1-11)	Horz TL:	0.01 in		7	
BCDL: 10	Lumber D.O.I	L.: 100 %			1				00/01

4-9-12

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
12	1	4 in	1.50 in	616 lbs	•	•	•	•	•
7	1	4 in	1.50 in	616 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

			_	_									
Men	nber 1	Forces	Table	e indicates: Mo	ember II), max CSI,	max tension	force, (max co	mpress	ion force). Only	forces greater than 300lbs	s are shown in this table.	
TC	1-2	0.386		(-555 lbs)	3-4	0.181		(-1,155 lbs)	5-6	0.336	(-499 lbs)		
	2-3	0.320		(-1,155 lbs)	4-5	0.283		(-1,155 lbs)					
BC	8-9	0.252	950 lbs		10-11	0.260	993 lbs						
	9-10	0.298	1,155 lbs										
Web	1-12	0.064		(-597 lbs)	5-9	0.062	324 lbs		6-7	0.064	(-601 lbs)		
	1-11	0.122	739 lbs		5-8	0.075		(-612 lbs)	l				
	2-11	0.073		(-594 lbs)	6-8	0.117	705 lbs		l				

Notes

- $1) \, Unless \, noted \, otherwise, do \, not \, cut \, or \, alter \, any \, truss \, member \, or \, plate \, without \, prior \, approval \, from \, a \, Professional \, Engineer.$
- 2) Unless otherwise specified by the Building Designer, one strongback every 10'-0".
- 3) The fabrication tolerance for this floor truss is 10% (Cq = 0.90).
- $4)\,A$ creep factor of $2.00\,has$ been applied for this truss analysis.
- 5) 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.

34593 S 4350 RD Address 2 Adair, OK 74330 Truss:F04

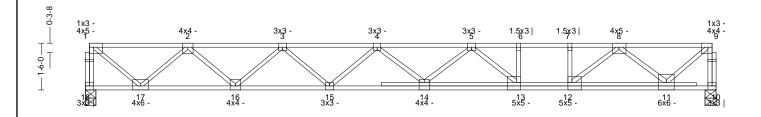
Job: QU02697_RESERVE_BLDGF1_REFRE

Date: 08/01/25 15:37:27

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SPAN 20-0-0	PITCH 0/12	QTY 22	OHL 0-0-0	OHR 0-0-0	PLY 1	S	SPACINO 19.19 in		
	1			20-0-0				1	
1	3-3-0	3-0-0	3-0-0	3-0-0	1-6-12	1-6-0	1-7-8	3-0-12	1

3-3-0 3-0-0 3-0-0 1-6-12 1-6-0 1-7-8 3-0-12 3-3-0 6-3-0 9-3-0 12-3-0 13-9-12 15-3-12 16-11-4 20-0-0 Zone 1



0-	0-0	3-0-0	3-0-0	1-7-9	1-4-7	3-0-12	1-6-0	3-1-8	0-11-5 0-7-	9-0
	1-9-0	4-9-0	7-9-0	9-4-9	10-9-0	13-9-12	15-3-12	18-5-4	19-4-920-0	ı-O

All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General		CSI		Deflection	n	L/	(loc)	Allowed
TCLL: 40	Bldg Code:	IBC 2018/	TC:	0.48 (7-8)	Vert TL:	0.44 in	L/525	(13-14)	L/240
TCDL: 10		TPI 1-2014	BC:	0.78 (13-14)	Vert LL:	0.25 in	L/920	(13-14)	L/360
BCLL: 0	Rep Mbr:	Yes	Web:	0.25 (1-17)	Horz TL:	$0.06 \mathrm{in}$		10	
BCDL: 10	Lumber D.O.I.	L.: 100 %							08/01/2

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
18	1	4 in	1.50 in	1,119 lbs		•	•	•	
10	1	4 in	1.50 in	1,119 lbs		•		•	· •

Material

TC: SYP#1 4x 2 BC: SYP#1 4x 2 Web: SYP#1 4x 2

Loads

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

Men	nber F	orces	Table	e indicates: M	ember ID	, max CSI	, max tension	force, (max con	mpressio	n force). O	nly forces grea	ter than 300lb	s are sho	wn in this tal	ole.
TC	1-2	0.352		(-1,127 lbs)	3-4	0.424		(-3,724 lbs)	5-6	0.447		(-3,213 lbs)	7-8	0.477	(-3,213 lbs)
	2-3	0.390		(-2,816 lbs)	4-5	0.469		(-4,120 lbs)	6-7	0.460		(-3,213 lbs)	8-9	0.346	(-1,002 lbs)
BC	11-12	0.619	2,173 lbs		13-14	0.776	3,832 lbs		15-16	0.601	3,398 lbs				
	12-13	0.729	3,213 lbs		14-15	0.776	4,054 lbs		16-17	0.409	2,123 lbs				
Web	1-18	0.117		(-1,097 lbs)	3-16	0.096		(-789 lbs)	5-13	0.104		(-823 lbs)	9-10	0.113	(-1,064 lbs)
	1-17	0.249	1,502 lbs		3-15	0.073	442 lbs		8-12	0.225	1,358 lbs		l		-
	2-17	0.164		(-1,351 lbs)	4-15	0.055		(-446 lbs)	8-11	0.185		(-1,556 lbs)	l		
	2-16	0.156	940 lbs		5-14	0.069	383 lbs		9-11	0.229	1,385 lbs		l		

Notes

- 1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
- 2) Unless otherwise specified by the Building Designer, one strongback every 10'-0".
- 3) The fabrication tolerance for this floor truss is 10% (Cq = 0.90).
- 4) A creep factor of 2.00 has been applied for this truss analysis.
- 5) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used.

 $\label{thm:wall} WARNING: \textit{Verify all design parameters and follow all notes on this drawing and in the Eagle Metal Design Notes.}$

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. Aseal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown.

34593 S 4350 RD Address 2 Adair, OK 74330

OHL

Truss:F05-ALL

Job: QU02697_RESERVE_BLDG F1_REFRE

WGT/PLY

Date: 08/01/25 15:37:28

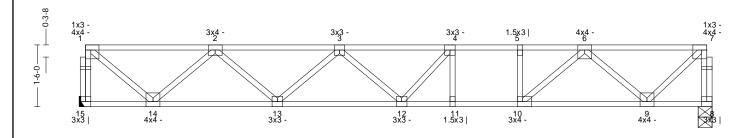
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SPACING

15-2-1			-0-0 0-0-0	1		19.19 in	78 lbs
			15-2-12				
	3-3-0	3-0-0	2-9-8	1-6-0	1-7-8	3-0-12	
	3-3-0	6-3-0	9-0-8	10-6-8	12-2-0	15-2-12	
	1	Zono 1				7ono 2	

OHR

PLYS



0-0	1-9-0	3-0-0	3-0-0	1-3-8	1-6-0	3-1-8	1-6-12 0-0-0)
ŗ	1-9-0	4-9-0	7-9-0	9-0-8	10-6-8	13-8-0	15-2-12	

All plates shown to be Eagle 20 unless otherwise noted.

PITCH

SPAN

Loading (psf)	General		CSI		Deflection	n	L/	(loc)	Allowed
TCLL: 40	Bldg Code:	IBC 2018/	TC:	0.31 (5-6)	Vert TL:	0.21 in	L/864	(11-12)	L/240
TCDL: 10	_	TPI 1-2014	BC:	0.53 (10-11)	Vert LL:	0.12 in	L/999	(11-12)	L/360
BCLL: 0	Rep Mbr:	Yes	Web:	0.18 (1-14)	Horz TL:	0.03 in		8	
BCDL: 10	Lumber D.O.I.	L.: 100 %							
									08/01/2

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
15	1	1.5 in		852 lbs			•	•	
8	1	4 in	1.50 in	852 lbs	•			•	· · · · · · · · · · · ·

Material

TC: SYP2400/1.8 4 x 2 BC: SYP2400/1.8 4 x 2 Web: SYP#1 4 x 2

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

Men	nber I	orces	Tabl	e indicates: M	ember ID	, max CSI	, max tension	force, (max co	mpressio	n force). O	nly forces grea	ter than 300lbs	s are shown in this table.
TC	1-2	0.207		(-824 lbs)	3-4	0.291		(-2,239 lbs)	5-6	0.308		(-2,061 lbs)	1
	2-3	0.199		(-1,932 lbs)	4-5	0.296		(-2,061 lbs)	6-7	0.205		(-707 lbs)	
BC	9-10	0.393	1,454 lbs		11-12	0.533	2,061 lbs		13-14	0.168	1,525 lbs		
	10-11	0.533	2,061 lbs		12-13	0.254	2,238 lbs						
Web	1-15	0.089		(-831 lbs)	3-13	0.052		(415 lbs)	7-9	0.166	1,000 lbs		
	1-14	0.182	1,097 lbs		4-12	0.059	309 lbs		7-8	0.087		(-815 lbs)	
	2-14	0.115		(-951 lbs)	6-10	0.142	808 lbs						
	2-13	0.091	552 lbs		6-9	0.123		(-1,013 lbs)					

Notes

- 1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
- 2) Unless otherwise specified by the Building Designer, one strongback every 10° -0".
- 3) The fabrication tolerance for this floor truss is 10% (Cq = 0.90).
- 4) Hanger is for graphical interpretation only. Install hanger per manufacturer's recommendation.
- 5) A creep factor of 2.00 has been applied for this truss analysis.
- 6) 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 followall 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.

34593 S 4350 RD Address 2 Adair, OK 74330 Truss:F05

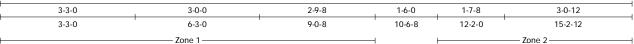
Job: QU02697_RESERVE_BLDG F1_REFRE

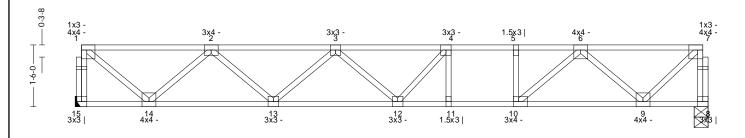
Date: 08/01/25 15:37:29

ANISH

Page: 1 of 1

SPAN 15-2-12	PITCH 0/12	QTY 14	OHL 0-0-0	OHR 0-0-0	PLYS 1	SPACING 19.19 in	WGT/PLY 78 lbs
				15-2-12			





0-0	1-9-0	3-0-0	3-0-0	1-3-8	1-6-0	3-1-8	1-6-12 0-0-0)
ŗ	1-9-0	4-9-0	7-9-0	9-0-8	10-6-8	13-8-0	15-2-12	

All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General	-	CSI	-	Deflectio	n	L/	(loc)	Allowed
TCLL: 40	Bldg Code:	IBC 2018/	TC:	0.31 (5-6)	Vert TL:	0.21 in	L/864	(11-12)	L/240
TCDL: 10		TPI 1-2014	BC:	0.53 (10-11)	Vert LL:	0.12 in	L/999	(11-12)	L/360
BCLL: 0	Rep Mbr:	Yes	Web:	0.18 (1-14)	Horz TL:	0.03 in		8	
BCDL: 10	Lumber D.O.L	: 100 %							
			-						08/01/

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
15	1	1.5 in		852 lbs	•	•	•	•	
8	1	4 in	1.50 in	852 lbs	•	•	•	•	

Material

TC: SYP2400/1.8 4 x 2 BC: SYP2400/1.8 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

Men	nber 1	Forces	Table			, max CSI	, max tension	force, (max co	mpressio	n force). O	nly forces great	ter than 300lbs	s are shown in this table.
TC	1-2	0.207		(-824 lbs)	3-4	0.291		(-2,239 lbs)	5-6	0.308		(-2,061 lbs)	
	2-3	0.199		(-1,932 lbs)	4-5	0.296		(-2,061 lbs)	6-7	0.205		(-707 lbs)	
BC	9-10	0.393	1,454 lbs		11-12	0.533	2,061 lbs		13-14	0.168	1,525 lbs		
	10-11	0.533	2,061 lbs		12-13	0.254	2,238 lbs						
Web	1-15	0.089		(-831 lbs)	3-13	0.052		(415 lbs)	7-9	0.166	1,000 lbs		
	1-14	0.182	1,097 lbs		4-12	0.059	309 lbs		7-8	0.087		(-815 lbs)	
	2-14	0.115		(-951 lbs)	6-10	0.142	808 lbs		1				
	2-13	0.091	552 lbs		6-9	0.123		(-1,013 lbs)					

Notes

- 1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
- 2) Unless otherwise specified by the Building Designer, one strongback every 10'-0".
- 3) The fabrication tolerance for this floor truss is 10% (Cq = 0.90).
- 4) Hanger is for graphical interpretation only. Install hanger per manufacturer's recommendation.
- 5) A creep factor of 2.00 has been applied for this truss analysis.
- 6) 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. Aseal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown.

Quality Line Truss Co., LLC 34593 S 4350 RD

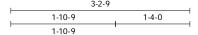
Address 2 Adair, OK 74330 Truss:GE01

Job: QU02697_RESERVE_BLDG F1_REFRE

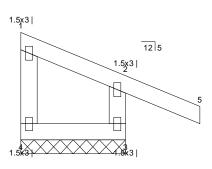
Date: 08/01/25 15:37:30

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SPAN	PITCH	QTY	OHL	OHR	CANTL	CANT R	PLYS	SPACING	WGT/PLY
1-10-9	-5/12	1	0-0-0	1-4-0	0-0-0	0-0-0	1	24 in	11 lbs









All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General		CSI		Deflection	n	L/	(loc)	Allowed
TCLL: 20	Bldg Code:	IBC 2018/	TC:	0.28 (2-5)	Vert TL:	0 in	L/999	(3-4)	L/240
TCDL: 10		TPI 1-2014	BC:	0.02 (3-4)	Vert LL:	0 in	L/999	3	L/360
BCLL: 0	Rep Mbr:	No	Web:	0.31 (2-3)	Horz TL:	0 in			
BCDL: 10	Lumber D.O.L	.: 115 %							

Reaction

Brg Combo	Brg Width	Max React	Ave React	Max Grav Uplift	Max MWFRS U	olift Max C&C Uplift	Max Uplift	Max Horiz
1		191 lbs	133 plf	-14 lbs	-37 lbs	-277 lbs	-277 lbs	-155 lbs

Material

TC: SYP#1 2 x 4 BC: SYP#1 2 x 4 Web: SYP#2 2 x 4 Bracing

TC: Sheathed or Purlins at 6-3-0, Purlin design by Others. BC: Sheathed or Purlins at 10-0-0, Purlin design by Others.

Loads

- 1) This truss has been designed for the effects of balanced (14 psf) sloped roof snow loads in accordance with ASCE7 16 with the following user defined input: 20 psf GSL, Terrain C, Exposure (Ce = 1.0), Thermal (Ct = 1.00), DOL = 1.15. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads.
- 2) This truss has not been designed for the effects of unbalanced snow loads.
- 3) This truss has been designed to account for the effects of ice dams forming at the eaves.
- 4) This truss has been designed for the effects of wind loads in accordance with ASCE7 16 with the following user defined input: 115 mph (Factored), Exposure
- C, Enclosed, Gable/Hip, Risk Category II, Overall Bldg Dims 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60
- 5) This truss has been designed for the effects of a 19 psf live load computed in accordance with IBC 2018 assuming slope = 5/12 and area supported = 6.43 ft²2, DOL = 115 %.

Men	nber Forces	Table indicates: M	ember ID, max CSI, max tension force, (max co	mpression force). Only forces greater than 300lb	s are shown in this table.
TC					
BC					
Web					

Notes

- 1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
- 2) Gable requires continuous bottom chord bearing.
- 3) Gable webs placed at 24 "OC, U.N.O.
- 4) Attach gable webs with 1.5x3 20 ga plates, U.N.O.
- 5) Bracing shown is for in-plane requirements. For out-of-plane requirements, refer to BCSI-B3 published by the SBCA.
- 6) The fabrication tolerance for this roof truss is 20% (Cq = 0.80).
- 7) A creep factor of 2.00 has been applied for this truss analysis.
- 8) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used.
- 9) Due to negative reactions in gravity load cases, special connections to the bearing surface at joint 4 may need to be considered.
- 10) Listed wind uplift reactions based on MWFRS & C&C loading.

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.

34593 S 4350 RD Address 2 Adair, OK 74330 Truss:GE02

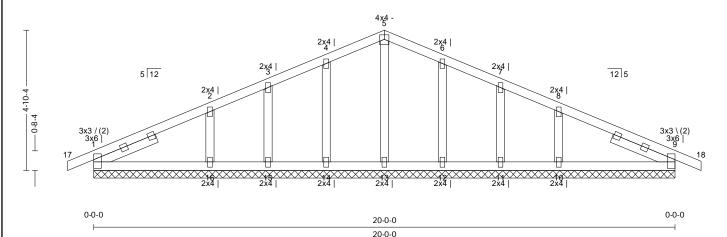
Job: QU02697_RESERVE_BLDG F1_REFRE

Date: 08/01/25 15:37:31

Page: 1 of 1

PITCH OHR WGT/PLY SPAN QTY OHL **CANTL** CANTR PLYS **SPACING** 20-0-0 5/12 0-10-12 0 - 10 - 120 - 0 - 00 - 0 - 024 in 98 lbs

21-9-8 0-10-12 10-0-0 10-10-12 10-0-0 20-0-0



All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General		CSI		Deflection	n	L/	(loc)	Allowed
TCLL: 20	Bldg Code:	IBC 2018/	TC:	0.10(1-2)	Vert TL:	0 in	L/999	(9-10)	L/240
TCDL: 10		TPI 1-2014	BC:	0.05 (16-1)	Vert LL:	0 in	L/999	9	L/360
BCLL: 0	Rep Mbr:	No	Web:	0.04 (6-12)	Horz TL:	0 in			
BCDL: 10	Lumber D.O.I	: 115 %		· · ·					
									08/01/2

Reaction

Brg Combo	Brg Width	Max React	Ave React	Max Grav Uplift	Max MWFRS U	plift Max C&C Uplift	Max Uplift	Max Horiz
1		429 lbs	119 plf	-160 lbs	-129 lbs	-268 lbs	-268 lbs	232 lbs

Material

TC: SYP#1 2 x 4 BC: SYP#1 2 x 4 Web: SYP#2 2 x 4 **Bracing**

TC: Sheathed or Purlins at 6-3-0, Purlin design by Others. BC: Sheathed or Purlins at 10-0-0, Purlin design by Others.

Loads

1) This truss has been designed for the effects of balanced (14 psf) and unbalanced sloped roof snow loads in accordance with ASCE7 - 16 with the following user defined input: 20 psf GSL, Terrain C, Exposure (Ce = 1.0), Thermal (Ce = 1.0), DOL = 1.15. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads.

- 2) This truss has been designed to account for the effects of ice dams forming at the eaves.
- 3) This truss has been designed for the effects of wind loads in accordance with ASCE7 16 with the following user defined input: 115 mph (Factored), Exposure
- C, Enclosed, Gable/Hip, Risk Category II, Overall Bldg Dims 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60
- 4) This truss has been designed for the effects of a 19 psf live load computed in accordance with IBC 2018 assuming slope = 5/12 and area supported = 43.58 ft/2, DOL = 115 %.

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

BC
Web

Notes

- 1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
- 2) Gable requires continuous bottom chord bearing.
- 3) Gable webs placed at 24 "OC, U.N.O.
- 4) Attach gable webs with 2x420g a plates, U.N.O.
- 5) Bracing shown is for in-plane requirements. For out-of-plane requirements, refer to BCSI-B3 published by the SBCA.
- 6) The fabrication tolerance for this roof truss is 20% (Cq = 0.80).
- 7) A creep factor of 2.00 has been applied for this truss analysis.
- 8) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used.
- $9) \, Due \, to \, negative \, reactions \, in \, gravity \, load \, cases, \, special \, connections \, to \, the \, bearing \, surface \, at \, joints \, 9, 1 \, may \, need \, to \, be \, considered.$
- 10) Listed wind uplift reactions based on MWFRS & C&C loading.

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.

34593 S 4350 RD Address 2 Adair, OK 74330

Truss:GE03

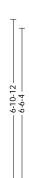
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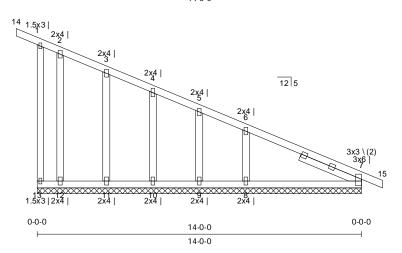
0-8-4

08/01/25 15:37:32 Date:

OHR SPACING WGT/PLY SPAN PITCH QTY OHL **CANTL** CANT R PLYS 14-0-0 -5/120-10-12 0-10-12 0 - 0 - 00 - 0 - 024 in 84 lbs

> 15-9-8 0-10-12 0-10-12 14-0-0 14-0-0





All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General		CSI		Deflection	n	L/	(loc)	Allowed
TCLL: 20	Bldg Code:	IBC 2018/	TC:	0.31 (1-2)	Vert TL:	0.01 in	L/999	(7-8)	L/240
TCDL: 10 BCLL: 0	Rep Mbr :	TPI 1-2014 No	BC: Web:	0.08 (7-8) 0.37 (1-13)	Vert LL: Horz TL:	0 in 0 in	L/999	7	L/360
BCDL: 10	Lumber D.O.L		web.	0.57 (1-15)	HOIZ IL.	OIII			
			•		•				08/01/2

Reaction

Brg Combo	Brg Width	Max React	Ave React	Max Grav Uplift	Max MWFRS Up	olift Max C&C Uplift	Max Uplift	Max Horiz
1		813 lbs	161 plf	-520 lbs	-284 lbs	-557 lbs	-557 lbs	-419 lbs

Material

TC: SYP#1 2 x 4 BC: SYP#1 2 x 4 Web: SYP#2 2 x 4

Bracing

TC: Sheathed or Purlins at 6-3-0, Purlin design by Others. BC: Sheathed or Purlins at 10-0-0, Purlin design by Others.

Loads

1) This truss has been designed for the effects of balanced (14 psf) and unbalanced sloped roof snow loads in accordance with ASCE7 - 16 with the following use defined input: 20 psf GSL, Terrain C, Exposure (Ce = 1.0), Thermal (Ct = 1.00), DOL = 1.15. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads.

- 2) This truss has been designed to account for the effects of ice dams forming at the eaves.
- 3) This truss has been designed for the effects of wind loads in accordance with ASCE7 16 with the following user defined input: 115 mph (Factored), Exposure
- C, Enclosed, Gable/Hip, Risk Category II, Overall Bldg Dims 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60
- 4) This truss has been designed for the effects of a 19 psf live load computed in accordance with IBC 2018 assuming slope = 5/12 and area supported = 31.58 ft^2, DOL = 115 %.

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

663 lbs (-591 lbs) Web

Notes

- 1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
- 2) Gable requires continuous bottom chord bearing.
- 3) Gable webs placed at 24 "OC, U.N.O.
- 4) Attach gable webs with 2x420g a plates, U.N.O.
- 5) Bracing shown is for in-plane requirements. For out-of-plane requirements, refer to BCSI-B3 published by the SBCA.
- 6) The fabrication tolerance for this roof truss is 20% (Cq = 0.80).
- 7) A creep factor of 2.00 has been applied for this truss analysis.
- 8) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used.
- 9) Due to negative reactions in gravity load cases, special connections to the bearing surface at joint 7 may need to be considered.
- 10) Listed wind uplift reactions based on MWFRS & C&C loading.

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.

34593 S 4350 RD Address 2 Adair, OK 74330 Truss:GE04

Job: QU02697_RESERVE_BLDG F1_REFRE

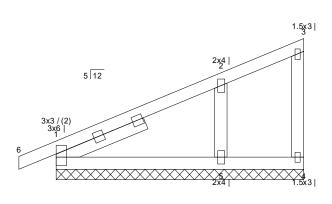
Date: 08/01/25 15:37:33

Page: 1 of 1

OHR **CANTL SPACING** WGT/PLY SPAN PITCH QTY OHL CANT R **PLYS** 6-0-0 5/12 0-10-12 0 - 0 - 00 - 0 - 00 - 0 - 024 in 29 lbs

_	6-10-12	
0-10-12	6-0-0	
	600	





0-0-0	6-0-0	0-0-0
	6-0-0	

All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General		CSI		Deflection	n	L/	(loc)	Allowed
TCLL: 20	Bldg Code:	IBC 2018/	TC:	0.12(1-2)	Vert TL:	0 in	L/999	(5-1)	L/240
TCDL: 10		TPI 1-2014	BC:	0.05 (5-1)	Vert LL:	0 in	L/999	4	L/360
BCLL: 0	Rep Mbr:	No	Web:	0.10 (3-4)	Horz TL:	0 in			
BCDL: 10	Lumber D.O.L	: 115 %							

Reaction

Brg Combo	Brg Width	Max React	Ave React	Max Grav Uplift	Max MWFRS Up	olift Max C&C Uplift	Max Uplift	Max Horiz
1		487 lbs	179 plf	-203 lbs	-147 lbs	-553 lbs	-553 lbs	411 lbs

Material

TC: SYP#1 2 x 4 BC: SYP#1 2 x 4 Web: SYP#2 2 x 4 **Bracing**

TC: Sheathed or Purlins at 6-3-0, Purlin design by Others. BC: Sheathed or Purlins at 10-0-0, Purlin design by Others.

Loads

1) This truss has been designed for the effects of balanced (14 psf) and unbalanced sloped roof snow loads in accordance with ASCE7 - 16 with the following user defined input: 20 psf GSL, Terrain C, Exposure (Ce=1.0), Thermal (Ct=1.00), DOL=1.15. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads

- 2) This truss has been designed to account for the effects of ice dams forming at the eaves.
- 3) This truss has been designed for the effects of wind loads in accordance with ASCE7 16 with the following user defined input: 115 mph (Factored), Exposure
- C, Enclosed, Gable/Hip, Risk Category II, Overall Bldg Dims 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60
- 4) This truss has been designed for the effects of a 19 psf live load computed in accordance with IBC 2018 assuming slope = 5/12 and area supported = 13.79 ft²2, DOL = 115 %.

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	1-2	0.121	349 lbs	(-507 lbs)		
BC						
Web						

Notes

- 1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
- 2) Gable requires continuous bottom chord bearing.
- 3) Gable webs placed at 24 "OC, U.N.O.
- 4) Attach gable webs with 1.5x3 20 ga plates, U.N.O.
- 5) Bracing shown is for in-plane requirements. For out-of-plane requirements, refer to BCSI-B3 published by the SBCA.
- 6) The fabrication tolerance for this roof truss is 20% (Cq = 0.80).
- 7) A creep factor of 2.00 has been applied for this truss analysis.
- 8) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used.
- 9) Due to negative reactions in gravity load cases, special connections to the bearing surface at joint 1 may need to be considered.
- 10) Listed wind uplift reactions based on MWFRS & C&C loading.

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.

Quality Line Truss Co., LLC 34593 S 4350 RD Address 2

Adair, OK 74330

Truss:T01

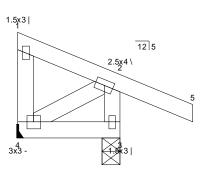
Job: QU02697 RESERVE BLDGF1 REFRE

08/01/25 15:37:34 Date:

OHR SPACING WGT/PLY SPAN PITCH QTY OHL **CANTL** CANT R PLYS 1-10-9 -5/120 - 0 - 01-4-0 0 - 0 - 00 - 0 - 024 in 13 lbs









All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General		CSI		Deflection	n	L/	(loc)	Allowed
TCLL: 20	Bldg Code:	IBC 2018/	TC:	0.25 (1-2)	Vert TL:	0 in	L/999	(3-4)	L/240
TCDL: 10		TPI 1-2014	BC:	0.02 (3-4)	Vert LL:	0 in	L/999	(3-4)	L/360
BCLL: 0	Rep Mbr:	Yes	Web:	0.04 (2-3)	Horz TL:	0 in		3	
BCDL: 10	Lumber D.O.L.	.: 115 %							

Reaction

JT	Brg Combo	Brg Width	Rqd Brg Width	Max React	Max Grav Uplift	Max MWFRS Upli	ft Max C&C Uplift	Max Uplift	Max Horiz
4	1	1.5 in		60 lbs	-14 lbs	-32 lbs	-61 lbs	-61 lbs	-130 lbs
3	1	4 in	1.50 in	209 lbs	•	-37 lbs	-277 lbs	-277 lbs	· · · · · · · · · · · · · · · · · · ·

Material

TC: SYP#1 2 x 4 BC: SYP#1 2 x 4 Web: SYP#1 2 x 4

Bracing

TC: Sheathed or Purlins at 6-3-0, Purlin design by Others. BC: Sheathed or Purlins at 10-0-0, Purlin design by Others.

- 1) This truss has been designed for the effects of balanced (14 psf) sloped roof snow loads in accordance with ASCE7 16 with the following user defined input: 20 psf GSL, Terrain C, Exposure (Ce = 1.0), Thermal (Ct = 1.00), DOL = 1.15. If the roof configuration differs from hip/gable, Building Designer shall verify
- 2) This truss has not been designed for the effects of unbalanced snow loads.
- 3) This truss has been designed to account for the effects of ice dams forming at the eaves.
- 4) This truss has been designed for the effects of wind loads in accordance with ASCE7 16 with the following user defined input: 115 mph (Factored), Exposure
- C, Enclosed, Gable/Hip, Risk Category II, Overall Bldg Dims 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60
- 5) This truss has been designed for the effects of a 19 psf live load computed in accordance with IBC 2018 assuming slope = 5/12 and area supported = 6.43 ft^2, DOL = 115 %
- 6) 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.

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 roof truss is 20 % (Cq = 0.80).
- 3) Hanger is for graphical interpretation only. Install hanger per manufacturer's recommendation.
- 4) Brace bottom chord with approved sheathing or purlins per Bracing Summary.
- 5) A creep factor of 2.00 has been applied for this truss analysis.
- 6) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used.
- 7) Due to negative reactions in gravity load cases, special connections to the bearing surface at joint 4 may need to be considered.
- 8) Listed wind uplift reactions based on MWFRS & C&C loading.

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.

Quality Line Truss Co., LLC 34593 S 4350 RD Address 2

Adair, OK 74330

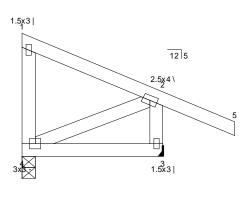
Truss:T02

Job: QU02697 RESERVE BLDGF1 REFRE

Date: 08/01/25 15:37:35

SPAN	PITCH	QTY	OHL	OHR	CANT L	CANT R	PLYS	SPACING	WGT/PLY
3-2-4	-5/12	3	0-0-0	1-7-8	0-0-0	0-0-0	1	24 in	20 lbs





0-0-0 0-0-0 3-2-4 3-2-4

All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General		CSI		Deflectio	n	L/	(loc)	Allowed
TCLL: 20	Bldg Code:	IBC 2018/	TC:	0.35 (1-2)	Vert TL:	0.01 in	L/999	(3-4)	L/240
TCDL: 10		TPI 1-2014	BC:	0.08 (3-4)	Vert LL:	0 in	L/999	(3-4)	L/360
BCLL: 0	Rep Mbr:	Yes	Web:	0.07 (1-4)	Horz TL:	0 in		4	
BCDL: 10	Lumber D.O.I	L.: 115 %							08/01

Reaction

_J']	☐ Brg Combo	Brg Width	Rqd Brg Width	Max React	Max Grav Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift	Max Horiz
4	. 1	3.5 in	1.50 in	125 lbs		-37 lbs	-149 lbs	-149 lbs	
3	1	1.5 in		282 lbs		-34 lbs	-341 lbs	-341 lbs	-183 lbs

Material

TC: SYP#1 2x 4 BC: SYP#1 2 x 4 Web: SYP#1 2 x 4

TC: Sheathed or Purlins at 6-3-0, Purlin design by Others. BC: Sheathed or Purlins at 10-0-0, Purlin design by Others.

- 1) This truss has been designed for the effects of balanced (14 psf) sloped roof snow loads in accordance with ASCE7 16 with the following user defined input: 20 psf GSL, Terrain C, Exposure (Ce = 1.0), Thermal (Ct = 1.00), DOL = 1.15. If the roof configuration differs from hip/gable, Building Designer shall verify
- 2) This truss has not been designed for the effects of unbalanced snow loads.
- 3) This truss has been designed to account for the effects of ice dams forming at the eaves.
- 4) This truss has been designed for the effects of wind loads in accordance with ASCE7 16 with the following user defined input: 115 mph (Factored), Exposure
- C, Enclosed, Gable/Hip, Risk Category II, Overall Bldg Dims 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60
- 5) This truss has been designed for the effects of a 19 psf live load computed in accordance with IBC 2018 assuming slope = 5/12 and area supported = 9.63 f_{1}^{2} DOL = 115 %
- 6) 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				<u> </u>	
BC					
Web	2-3	0.060	360 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 roof truss is $20\,\%$ (Cq = 0.80).
- 3) Hanger is for graphical interpretation only. Install hanger per manufacturer's recommendation.
- 4) Brace bottom chord with approved sheathing or purlins per Bracing Summary.
- 5) A creep factor of 2.00 has been applied for this truss analysis.
- 6) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used.
- 7) Listed wind uplift reactions based on MWFRS & C&C loading.

WARNING: Verify all design parameters and followall 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.

34593 S 4350 RD Address 2 Adair, OK 74330

OHR

Truss:T03

Job: QU02697_RESERVE_BLDG F1_REFRE

WGT/PLY

Date: 08/01/25 15:37:36

SPACING

08/01/2025

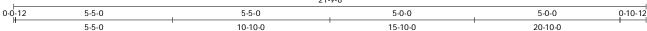
Page: 1 of 1

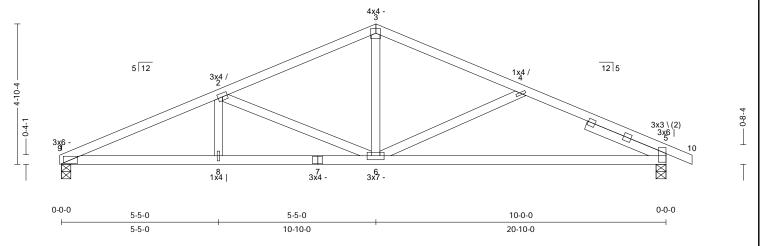
PLYS

		X							
20-10-0	5/12	4	0-0-12	0-10-12	0-0-0	0-0-0	1	24 in	91 lbs
				21-	9-8				

CANTL

CANT R





All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General		CSI		Deflection	n	L/	(loc)	Allowed
TCLL: 20	Bldg Code:	IBC 2018/	TC:	0.28 (1-2)	Vert TL:	0.33 in	L/728	(5-6)	L/240
TCDL: 10	_	TPI 1-2014	BC:	0.72 (6-8)	Vert LL:	0.15 in	L/999	(5-6)	L/360
BCLL: 0	Rep Mbr:	Yes	Web:	0.36 (2-6)	Horz TL:	0.05 in		5	
BCDL: 10	Lumber D.O.L	: 115 %							
					1				

Reaction

SPAN

PITCH

OTY

OHL

JT	Brg Combo	Brg Width	Rqd Brg Width	Max React	Max Grav Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift	Max Horiz
1	1	4 in	1.50 in	1,023 lbs		-68 lbs	-269 lbs	-269 lbs	-29 lbs
5	1	4 in	1.50 in	1.074 lbs		-84 lbs	-315 lbs	-315 lbs	

Material

TC: SYP#1 2 x 4 BC: SYP#1 2 x 4 Web: SYP#1 2 x 4 Bracing

TC: Sheathed or Purlins at 4-2-0, Purlin design by Others. BC: Sheathed or Purlins at 10-0-0, Purlin design by Others.

Loads

1) This truss has been designed for the effects of balanced (14 psf) and unbalanced sloped roof snow loads in accordance with ASCE7 - 16 with the following user defined input: 20 psf GSL, Terrain C, Exposure (Ce = 1.0), Thermal (Ce = 1.0), DOL = 1.15. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads

- 2) This truss has been designed to account for the effects of ice dams forming at the eaves.
- 3) This truss has been designed for the effects of wind loads in accordance with ASCE7 16 with the following user defined input: 115 mph (Factored), Exposure
- C, Enclosed, Gable/Hip, Risk Category II, Overall Bldg Dims 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60
- 4) This truss has been designed for the effects of a 19 psf live load computed in accordance with IBC 2018 assuming slope = 5/12 and area supported = 43.58 ft/2. DOL = 115 %.
- 5) Concurrent minimum storage attic loading has been applied in accordance with IBC 1607.1

Men	nber	Forces	Table	e indicates: Me	ember]	ID, max CSI,	max tension	force, (max co	mpress	ion force). Or	nly forces great	er than 300lb	s are shown in this table.
TC	1-2	0.276	529 lbs	(-2,065 lbs)	3-4	0.261	405 lbs	(-1,403 lbs)	l				1
	2-3	0.268	407 lbs	(-1,409 lbs)	4-5	0.192	496 lbs	(-1,670 lbs)					
BC	5-6	0.712	1,534 lbs	(-328 lbs)	6-8	0.725	1,865 lbs	(-386 lbs)	8-1	0.502	1,865 lbs	(-386 lbs)	
Web	2-6	0.360		(-694 lbs)	3-6	0.119	716 lbs	_	4-6	0.177		(-367 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 roof truss is 20% (Cq = 0.80).
- 3) Brace bottom chord with approved sheathing or purlins per Bracing Summary.
- 4) A creep factor of 2.00 has been applied for this truss analysis.
- 5) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used.
- 6) Listed wind uplift reactions based on MWFRS & C&C loading.

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. Aseal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown.

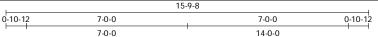
34593 S 4350 RD Address 2 Adair, OK 74330 Truss:T04

Job: QU02697_RESERVE_BLDG F1_REFRE

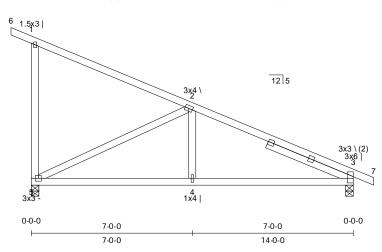
Date: 08/01/25 15:37:37

Page: 1 of 1

PITCH OHR SPACING WGT/PLY SPAN QTY OHL **CANTL** CANT R **PLYS** 14-0-0 -5/120-10-12 0-10-12 0 - 0 - 00 - 0 - 024 in 72 lbs







All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General		CSI		Deflectio	n	L/	(loc)	Allowed
TCLL: 20	Bldg Code:	IBC 2018/	TC:	0.47 (1-2)	Vert TL:	0.14 in	L/999	(4-5)	L/240
TCDL: 10		TPI 1-2014	BC:	0.56 (3-4)	Vert LL:	0.06 in	L/999	(4-5)	L/360
BCLL: 0	Rep Mbr:	Yes	Web:	0.82 (2-5)	Horz TL:	0.02 in		3	
BCDL: 10	Lumber D.O.I	L.: 115 %							
									08/01/

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
5	1	4 in	1.50 in	746 lbs		-110 lbs	-297 lbs	-297 lbs	-240 lbs
3	1	4 in	1.50 in	730 lbs		-14 lbs	-227 lbs	-227 lbs	· · · · · · · · · · · · · · · · · · ·

Material

TC: SYP#1 2x 4 BC: SYP#1 2x 4 Web: SYP#1 2x 4 Bracing

TC: Sheathed or Purlins at 6-3-0, Purlin design by Others. BC: Sheathed or Purlins at 10-0-0, Purlin design by Others.

Loads

- 1) This truss has been designed for the effects of balanced (14 psf) and unbalanced sloped roof snow loads in accordance with ASCE7 16 with the following user defined input: 20 psf GSL, Terrain C, Exposure (Ce=1.0), Thermal (Ct=1.00), DOL=1.15. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads
- 2) This truss has been designed to account for the effects of ice dams forming at the eaves.
- 3) This truss has been designed for the effects of wind loads in accordance with ASCE7 16 with the following user defined input: 115 mph (Factored), Exposure
- C, Enclosed, Gable/Hip, Risk Category II, Overall Bldg Dims 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60
- 4) This truss has been designed for the effects of a 19 psf live load computed in accordance with IBC 2018 assuming slope = 5/12 and area supported = 31.58 ft/2. DOL = 115 %.
- 5) Concurrent minimum storage attic loading has been applied in accordance with IBC 1607.1

Mer	nber	Forces	Table	indicates: M	ember 1	D, max CSI,	max tension force	e, (max co	npression force). Only forces g	reater than 300lbs	s are shown in this table.	
TC	2-3	0.425		(-918 lbs)								
BC	3-4	0.564	849 lbs		4-5	0.564	849 lbs					
Web	2-5	0.824	375 lbs	(-943 lbs)	2-4	0.056	338 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 roof truss is 20% (Cq = 0.80).
- 3) Brace bottom chord with approved sheathing or purlins per Bracing Summary.
- 4) A creep factor of 2.00 has been applied for this truss analysis.
- 5) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used.
- 6) Listed wind uplift reactions based on MWFRS & C&C loading.

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.

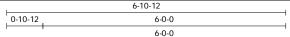
34593 S 4350 RD Address 2 Adair, OK 74330 Truss:T05

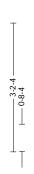
Job: QU02697_RESERVE_BLDG F1_REFRE

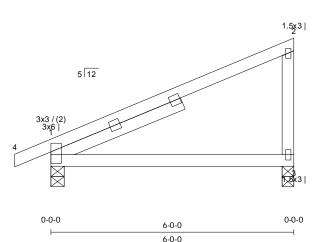
Date: 08/01/25 15:37:38

Page: 1 of 1

CANT R PITCH OHR SPACING WGT/PLY SPAN QTY OHL **CANTL PLYS** 6-0-0 5/12 0-10-12 0 - 0 - 00 - 0 - 00 - 0 - 024 in 28 lbs







All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General		CSI		Deflection		L/	(loc)	Allowed
TCLL: 20	Bldg Code:	IBC 2018/	TC:	0.50 (1-2)	Vert TL:	0.12 in	L/543	(3-1)	L/240
TCDL: 10		TPI 1-2014	BC:	0.32 (3-1)	Vert LL:	0.07 in UP	L/909	(3-1)	L/360
BCLL: 0	Rep Mbr:	Yes	Web:	0.11 (2-3)	Horz TL:	0 in		3	
BCDL: 10	Lumber D.O.L.	: 115 %							

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
1	1	4 in	1.50 in	364 lbs	•	-15 lbs	-250 lbs	-250 lbs	144 lbs
3	1	3.5 in	1.50 in	297 lbs		-40 lbs	-207 lbs	-207 lbs	

Material

TC: SYP#1 2 x 4 BC: SYP#1 2 x 4 Web: SYP#1 2 x 4 Bracing

TC: Sheathed or Purlins at 6-3-0, Purlin design by Others. BC: Sheathed or Purlins at 10-0-0, Purlin design by Others.

Loads

- 1) This truss has been designed for the effects of balanced (14 psf) and unbalanced sloped roof snow loads in accordance with ASCE7 16 with the following user defined input: 20 psf GSL, Terrain C, Exposure (Ce=1.0), Thermal (Ct=1.00), DOL=1.15. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads
- 2) This truss has been designed to account for the effects of ice dams forming at the eaves.
- 3) This truss has been designed for the effects of wind loads in accordance with ASCE7 16 with the following user defined input: 115 mph (Factored), Exposure
- C, Enclosed, Gable/Hip, Risk Category II, Overall Bldg Dims 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60
- 4) This truss has been designed for the effects of a 19 psf live load computed in accordance with IBC 2018 assuming slope = 5/12 and area supported = 13.79 ft/2. DOL = 115 %.
- 5) Concurrent minimum storage attic loading has been applied in accordance with IBC 1607.1

M	[em	ıber 🛚	Forces	Table indicates: Me	Table indicates: Member ID, max CSI, max tension force, (max compression force). Only forces greater than 300lbs are shown in this table.								
TC		1-2	0.501	(459 lbs)									
BC													
Wel	b			·									

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 roof truss is 20% (Cq = 0.80).
- 3) Brace bottom chord with approved sheathing or purlins per Bracing Summary.
- 4) A creep factor of 2.00 has been applied for this truss analysis.
- 5) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used.
- 6) Listed wind uplift reactions based on MWFRS & C&C loading.

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.

34593 S 4350 RD Address 2 Adair, OK 74330 Truss:T06

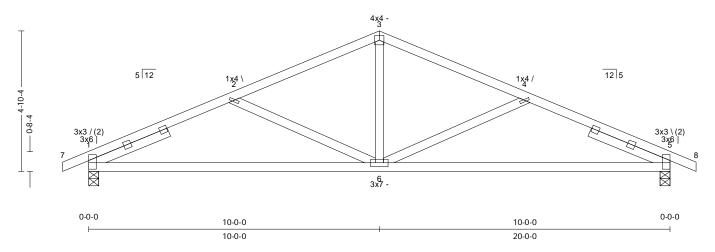
Job: QU02697_RESERVE_BLDG F1_REFRE

Date: 08/01/25 15:37:39

Page: 1 of 1

SPAN 20.0.0	PITCH	QIY	OHL	OHR 0-10-12	CANTL	CANTR	PLYS	SPACING	WGT/PLY	
20-0-0	5/12	10	0-10-12	0-10-12	0-0-0	0-0-0	1	24 in	91 lbs	
				21-	-9-8					

0-10-12 5-0-0 5-0-0 5-0-0 0-10-12 5-0-0 10-0-0 15-0-0 20-0-0



All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General		CSI		Deflection	n	L/	(loc)	Allowed
TCLL: 20	Bldg Code:	IBC 2018/	TC:	0.26 (3-4)	Vert TL:	0.26 in	L/886	(5-6)	L/240
TCDL: 10		TPI 1-2014	BC:	0.83 (5-6)	Vert LL:	0.11 in	L/999	(5-6)	L/360
BCLL: 0	Rep Mbr:	Yes	Web:	0.17 (4-6)	Horz TL:	0.04 in		5	
BCDL: 10	Lumber D.O.L	: 115 %			1				
					1				

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

Max Horiz

 JT
 Brg Combo
 Brg Width
 Rqd Brg Width
 Max React
 Max Grav Uplift
 Max MWFRS Uplift Max C&C Uplift
 Max Uplift
 Max Horiz

 1
 1
 4 in
 1.50 in
 1,032 lbs
 ·
 -81 lbs
 -309 lbs
 -309 lbs
 -309 lbs
 18 lbs

 5
 1
 4 in
 1.50 in
 1,032 lbs
 ·
 -81 lbs
 -309 lbs
 -309 lbs
 -309 lbs

Material

TC: SYP#1 2 x 4

BC: SYP#1 2 x 4

Web: SYP#1 2 x 4

Bracing
TC: Sheathed or Purlins at 5-1-0, Purlin design by Others.
BC: Sheathed or Purlins at 10-0-0, Purlin design by Others.

Loads

- 1) This truss has been designed for the effects of balanced (14 psf) and unbalanced sloped roof snow loads in accordance with ASCE7 16 with the following user defined input: 20 psf GSL, Terrain C, Exposure (Ce = 1.0), Thermal (Ce = 1.00), DOL = 1.15. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads.
- 2) This truss has been designed to account for the effects of ice dams forming at the eaves.
- 3) This truss has been designed for the effects of wind loads in accordance with ASCE7 16 with the following user defined input: 115 mph (Factored), Exposure
- C, Enclosed, Gable/Hip, Risk Category II, Overall Bldg Dims 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60
- 4) This truss has been designed for the effects of a 19 psf live load computed in accordance with IBC 2018 assuming slope = 5/12 and area supported = 43.58 ft/2, DOL = 115 %.
- 5) Concurrent minimum storage attic loading has been applied in accordance with IBC 1607.1

Member Forces			Table	e indicates: Me	ember ID,	, max CSI,	, max tension	force, (max co:	mpressi	on force). Only fo	orces greater than 300lb	s are shown in this table.
TC	1-2	0.185	478 lbs	(-1,586 lbs)	3-4	0.256	380 lbs	(-1,323 lbs)	l			
	2-3	0.256	380 lbs	(-1,323 lbs)	4-5	0.185	478 lbs	(-1,586 lbs)				
BC	5-6	0.828	1,456 lbs	(-313 lbs)	6-1	0.828	1,456 lbs	(-313 lbs)				
Web	2-6	0.173		(-358 lbs)	3-6	0.108	651 lbs		4-6	0.173	(-358 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 roof truss is 20% (Cq = 0.80).
- 3) Brace bottom chord with approved sheathing or purlins per Bracing Summary.
- 4) A creep factor of 2.00 has been applied for this truss analysis.
- 5) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used.
- 6) Listed wind uplift reactions based on MWFRS & C&C loading.

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.



34593 S 4350 RD Address 2 Adair, OK 74330 Truss:T07

Job: QU02697_RESERVE_BLDG F1_REFRE

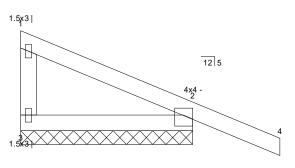
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SPAN	PITCH	QTY	OHL	OHR	CANTL	CANT R	PLYS	SPACING	WGT/PLY
3-2-5	-5/12	1	0-0-0	1-7-8	0-0-0	0-0-0	1	24 in	14 lbs







0-0-0	3-2-5	0-0-0
	3-2-5	

All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General		CSI		Deflection	n	L/	(loc)	Allowed
TCLL: 20	Bldg Code:	IBC 2018/	TC:	0.31 (1-2)	Vert TL:	0 in	L/999	(2-3)	L/240
TCDL: 10		TPI 1-2014	BC:	0.07 (2-3)	Vert LL:	0 in	L/999	3	L/360
BCLL: 0	Rep Mbr:	No	Web:	0.10(1-3)	Horz TL:	0 in			
BCDL: 10	Lumber D.O.L.	.: 115 %							

Reaction

Brg Combo	Brg Width	Max React	Ave React	Max Grav Uplift	Max MWFRS U	plift Max C&C Uplift	Max Uplift	Max Horiz
1		238 lbs	111 plf		-38 lbs	-389 lbs	-389 lbs	-204 lbs

Material

TC: SYP#1 2 x 4 BC: SYP#1 2 x 4 Web: SYP#2 2 x 4 Bracing

TC: Sheathed or Purlins at 6-3-0, Purlin design by Others. BC: Sheathed or Purlins at 10-0-0, Purlin design by Others.

Loads

- 1) This truss has been designed for the effects of balanced (14 psf) sloped roof snow loads in accordance with ASCE7 16 with the following user defined input: 20 psf GSL, Terrain C, Exposure (Ce = 1.0), Thermal (Ct = 1.00), DOL = 1.15. If the roof configuration differs from hip/gable, Building Designer shall verify enougheds.
- 2) This truss has not been designed for the effects of unbalanced snow loads.
- 3) This truss has been designed to account for the effects of ice dams forming at the eaves.
- 4) This truss has been designed for the effects of wind loads in accordance with ASCE7 16 with the following user defined input: 115 mph (Factored), Exposure
- C, Enclosed, Gable/Hip, Risk Category II, Overall Bldg Dims 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60
- 5) This truss has been designed for the effects of a 19 psf live load computed in accordance with IBC 2018 assuming slope = 5/12 and area supported = 9.64 ft/2, DOL = 115%.

Men	nber 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									

Notes

- 1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
- 2) Gable requires continuous bottom chord bearing.
- 3) Gable webs placed at 24 "OC, U.N.O.
- 4) Attach gable webs with 1.5x3 20 ga plates, U.N.O.
- 5) Bracing shown is for in-plane requirements. For out-of-plane requirements, refer to BCSI-B3 published by the SBCA.
- 6) The fabrication tolerance for this roof truss is 20% (Cq = 0.80).
- 7) A creep factor of 2.00 has been applied for this truss analysis.
- 8) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used.
- 9) Listed wind uplift reactions based on MWFRS & C&C loading.

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.

34593 S 4350 RD Address 2 Adair, OK 74330 Truss:T08

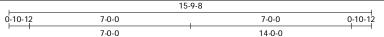
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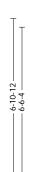
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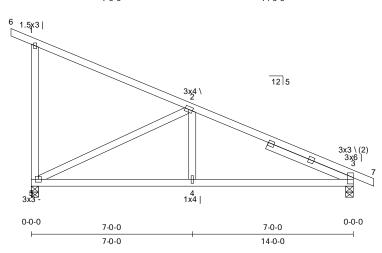
08/01/2025

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OHR SPACING WGT/PLY SPAN PITCH QTY OHL **CANTL** CANT R PLYS 14-0-0 -5/120-10-12 0-10-12 0 - 0 - 00 - 0 - 024 in 72 lbs







All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General		CSI		Deflection	n	L/	(loc)	Allowed
TCLL: 20	Bldg Code:	IBC 2018/	TC:	0.47 (1-2)	Vert TL:	$0.14 \mathrm{in}$	L/999	(4-5)	L/240
TCDL: 10		TPI 1-2014	BC:	0.56 (3-4)	Vert LL:	$0.06 \mathrm{in}$	L/999	(4-5)	L/360
BCLL: 0	Rep Mbr:	Yes	Web:	0.82 (2-5)	Horz TL:	0.02 in		5	
BCDL: 10	Lumber D.O.L	.: 115 %							

Reaction

JT	Brg Combo	Brg Width	Rqd Brg Width	Max React	Max Grav Uplift	t Max MWFRS Uplift!	Max C&C Uplift	Max Uplift	Max Horiz
5	1	3.5 in	1.50 in	746 lbs		-110 lbs	-297 lbs	-297 lbs	
3	1	4 in	1.50 in	730 lbs		-14 lbs	-227 lbs	-227 lbs	-240 lbs

Material

TC: SYP#1 2 x 4 BC: SYP#1 2 x 4 Web: SYP#1 2 x 4 Bracing

TC: Sheathed or Purlins at 6-3-0, Purlin design by Others. BC: Sheathed or Purlins at 10-0-0, Purlin design by Others.

Loads

1) This truss has been designed for the effects of balanced (14 psf) and unbalanced sloped roof snow loads in accordance with ASCE7 - 16 with the following user defined input: 20 psf GSL, Terrain C, Exposure (Ce = 1.0), Thermal (Ct = 1.00), DOL = 1.15. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads

- 2) This truss has been designed to account for the effects of ice dams forming at the eaves.
- 3) This truss has been designed for the effects of wind loads in accordance with ASCE7 16 with the following user defined input: 115 mph (Factored), Exposure
- C, Enclosed, Gable/Hip, Risk Category II, Overall Bldg Dims 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60
- 4) This truss has been designed for the effects of a 19 psf live load computed in accordance with IBC 2018 assuming slope = 5/12 and area supported = 31.58 ft/2. DOL = 115 %.
- 5) Concurrent minimum storage attic loading has been applied in accordance with IBC 1607.1

Member Forces			Table indicates: M	lember II	O, max CSI,	max tension force, (max c	ompression force). Only forces greater than 300	lbs are shown in this table.
TC	2-3	0.425	(-918 lbs)					
DC	2.4	0.564	940 lbs	15	0.564	940 lbc		

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 roof truss is 20% (Cq = 0.80).
- 3) Brace bottom chord with approved sheathing or purlins per Bracing Summary.
- 4) A creep factor of 2.00 has been applied for this truss analysis.
- 5) The "SYP" label shown in the "Material Summary" above indicates the new SPIB design values effective June 1, 2013 were used.
- 6) Listed wind uplift reactions based on MWFRS & C&C loading.

WARNING: Verify all design parameters and follow all notes on this drawing and in the Eagle Metal Design Notes.

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