

Trenco 818 Soundside Rd Edenton, NC 27932

Re: 1900459-1900459B CL 3067A Gable New CP

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Components - #2383.

Pages or sheets covered by this seal: I42679026 thru I42679048

My license renewal date for the state of North Carolina is December 31, 2020.

North Carolina COA: C-0844



September 3,2020

Sevier, Scott

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



			6-0-0		
			6-0-0		
Plate Offsets (X,Y)	[2:0-3-4,Edge]				
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.45 BC 0.38 WB 0.00 Matrix-MP	DEFL. in Vert(LL) 0.06 Vert(CT) -0.12 Horz(CT) 0.00	(loc) l/defl L/d 4-7 >999 240 4-7 >578 180 2 n/a n/a	PLATES GRIP MT20 197/144 Weight: 21 lb FT = 20%
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP	No.2 or 2x4 SPF No.2 No.2 or 2x4 SPF No.2 No.3		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied o	ectly applied or 6-0-0 oc purlins, r 10-0-0 oc bracing.
	>> 2-0.2.8.4-0.1.8				

REACTIONS. (size) 2=0-3-8, 4=0-1-8 Max Horz 2=65(LC 11) Max Uplift 2=-82(LC 8), 4=-45(LC 12) Max Grav 2=299(LC 1), 4=229(LC 1)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 2 and 45 lb uplift at joint 4.



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	5-4-12			10-0-0		
		5-4-12	I	4-7-4	I	
Plate Offsets (X,Y)	[2:0-3-4,Edge]					
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.25Lumber DOL1.25Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.25 BC 0.36 WB 0.38 Matrix-MS	DEFL. in Vert(LL) -0.03 Vert(CT) -0.07 Horz(CT) 0.01	(loc) l/defl L/d 6-9 >999 240 6-9 >999 180 5 n/a n/a	PLATES GRIP MT20 197/144 Weight: 43 lb FT = 20%	
LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI WEBS 2x4 SI	P No.2 or 2x4 SPF No.2 P No.2 or 2x4 SPF No.2 P No.3	E	BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dir except end verticals. Rigid ceiling directly applied o	ectly applied or 5-11-11 oc purlins, or 10-0-0 oc bracing.	
REACTIONS. (siz Max H Max U Max C	te) 2=0-3-8, 5=0-1-8 Horz 2=106(LC 11) Jplift 2=-108(LC 8), 5=-77(LC 12) Grav 2=457(LC 1), 5=391(LC 1)					
FORCES.(lb) - MaxTOP CHORD2-3=BOT CHORD2-6=WEBS3-5=	. Comp./Max. Ten All forces 250 (lb) or -879/271 -333/838, 5-6=-333/838 -848/308	less except when shown.				
NOTES-	Vult=130mph Vasd=103mph [.] TCDI =6.0n	sf: BCDI =6 0psf: b=30ft: Cat_II	· Exp B· Enclosed:	MWERS (envelope)		

 Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 108 lb uplift at joint 2 and 77 lb uplift at joint 5.



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Job	Truss	Truss Type	Qty	Ply	CL 3067A Gable New CP		
1900459-1900459B	T1GE	GABLE	1	1		142679028	
84 Components (Dunn),	Dunn, NC - 28334,		8.	420 s Aug :	Job Reference (optional) 25 2020 MiTek Industries, Inc.	Wed Sep 2 12:51:39 2020 Page 1	
		8-0-0	ID:m28TrXaph8 13-	66FSG2iwh 4-12	KmK8zdK0u-yKg0NAVn2uuKrD	llqR6O4124cetfNUDJYyyQ_vAyhfxl	
	1 <u>-0-0</u> 1-0-0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<u>12-0-0</u> <u>12-8-1</u> 4-0-0 0-8-1 0-8 4x6	15-1-12 1-9-0 3-11 	20-0-0 21-0-0 4-10-4 1-0-0	Scale = 1:62.6	
		2.00 172 4 11 4 11 1.5x4 4 11 1.5x4 5 1.5x4 4 11 5 6 1.5x4 1	10-0-0		⁸ 1.5x4 1.5x4 1.5x4 9 10 14 13 12 11 6x6 200.0	24-0	
Plate Offsets (X Y)	⊢ 2:0-2-0 0-1-12] [5:0-4-4 0-1-12	4-10-4 4-10-4 1 [6:0-4-4 0-1-12] [9:0-2-0 0-1-12] [1:	15-1-12 10-3-8 1:Edge 0-3-81		<u>20-0-0</u> 4-10-4		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.22 Lumber DOL 1.22 Rep Stress Incr YES Code IRC2015/TPI2014 Code	CSI. CSI. CC 0.61 CC 0.61	DEFL. ir Vert(LL) -0.00 Vert(CT) 0.00 Horz(CT) -0.00	n (loc)) 9) 9) 11	l/defl L/d P n/r 120 M n/r 90 n/a n/a W	PLATES GRIP /T20 197/144 Veight: 180 lb FT = 20%	
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x8 SP WEBS 2x4 SP 3-16,8-' OTHERS 2x4 SP	No.2 or 2x4 SPF No.2 No.2 No.3 *Except* I4: 2x4 SP No.2 or 2x4 SPF No No.3	2	BRACING- TOP CHORD BOT CHORD	Structura except e Rigid cei	al wood sheathing directly app nd verticals, and 2-0-0 oc pu lling directly applied or 10-0-0	plied or 6-0-0 oc purlins, rlins (6-0-0 max.): 5-6.) oc bracing.	
REACTIONS. All bearings 20-0-0. (lb) - Max Horz 19=-295(LC 10) Max Uplift All uplift 100 lb or less at joint(s) except 19=-172(LC 8), 11=-168(LC 9), 17=-615(LC 18), 18=-144(LC 12), 13=-615(LC 18), 12=-143(LC 13) Max Grav All reactions 250 lb or less at joint(s) 18, 12 except 19=440(LC 21), 16=1352(LC 20), 14=1350(LC 21), 11=-1350(LC 21), 11=-1350(LC 20)							
FORCES. (lb) Max. TOP CHORD 2-3=-2 8-9=-2 WEBS 3-16=	Comp./Max. Ten All forces 25 282/167, 3-4=-330/202, 4-5=-37 279/164, 2-19=-307/174, 9-11=- -510/97, 8-14=-508/96, 4-7=-20	0 (lb) or less except when shown. 3/61, 5-6=-336/30, 6-7=-373/62, 7-8=- 307/173 5/357	330/203,				
NOTES- 1) Unbalanced roof live 2) Wind: ASCE 7-10; Vu gable end zone and 0 forces & MWFRS for 3) Truss designed for w Gable End Details as 4) Provide adequate dra 5) All plates are 3x6 MT 6) Gable requires contir 7) Gable studs spaced a 8) This truss has been will fit between the bu 10) Ceiling dead load (6 (11) Provide mechanical joint 11, 615 lb uplif 12) Graphical purlin rep 13) Attic room checked	loads have been considered fo ult=130mph Vasd=103mph; TC C-C Exterior(2) zone; cantilever reactions shown; Lumber DOL ind loads in the plane of the tru applicable, or consult qualified ainage to prevent water ponding 20 unless otherwise indicated. house bottom chord bearing. at 2-0-0 oc. designed for a 10.0 psf bottom of designed for a live load of 20.0 bitom chord and any other mem 5.0 psf) on member(s). 3-4, 7-8, connection (by others) of truss t at joint 17, 144 lb uplift at joint resentation does not depict the for L/360 deflection.	this design. DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. left and right exposed ; end vertical le =1.60 plate grip DOL=1.60 ss only. For studs exposed to wind (no building designer as per ANSI/TPI 1. hord live load nonconcurrent with any psf on the bottom chord in all areas w bers, with BCDL = 10.0psf. 4-7; Wall dead load (5.0psf) on mem to bearing plate capable of withstandi 18, 615 lb uplift at joint 13 and 143 lb size or the orientation of the purlin alo	II; Exp B; Enclosed ft and right exposed ormal to the face), s other live loads. here a rectangle 3- ber(s).3-16, 8-14 ng 172 lb uplift at jo uplift at joint 12. ng the top and/or b	t; MWFRS d;C-C for n see Standa 6-0 tall by bint 19, 168 ottom choi	(envelope) nembers and ard Industry 2-0-0 wide 3 Ib uplift at rd.	SEAL 044925 M. SEMI September 3,2020	

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ENGINEERING B



4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

- 6) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-7; Wall dead load (5.0 psf) on member(s).3-13, 8-11
- 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 11-13
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

9) Attic room checked for L/360 deflection.



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TRENCO AMITEK Affiliate 818 Soundside Road

Edenton, NC 27932



Plate Offsets (X,Y) [3:0-2-0,Edge]		4-0-0						
LOADING (psf) TCLL 20.0 TCDL 10.0	SPACING-2-0-0Plate Grip DOL1.25Lumber DOL1.25	CSI. TC 0.04 BC 0.09	DEFL. Vert(LL) Vert(CT)	in (0.00 0.00	(loc) 4 4	l/defl n/r n/r	L/d 120 90	PLATES MT20	GRIP 197/144
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.00 Matrix-P	Horz(CT)	0.00	4	n/a	n/a	Weight: 13 lb	FT = 20%

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD2x4 SP No.2 or 2x4 SPF No.2BOT CHORD2x4 SP No.2 or 2x4 SPF No.2

REACTIONS. (size) 2=2-10-10, 4=2-10-10 Max Horz 2=-44(LC 10) Max Uplift 2=-17(LC 12), 4=-17(LC 13) Max Grav 2=136(LC 1), 4=136(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Gable requires continuous bottom chord bearing.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 2 and 17 lb uplift at joint 4.

7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

Structural wood sheathing directly applied or 4-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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SEAL 044925 MGINEER, HERLIN September 3,2020



- All plates are 1.5x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 26, 27, 28, 29, 30, 31, 23, 22, 21, 20, 19, 18.



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6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 163 lb uplift at joint 2 and 163 lb uplift at joint 8.



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Job	Truss	Truss Type	Qty	Ply	CL 3067A Gable New CP	
						l42679036
1900459-1900459B	T4GR	COMMON GIRDER	1	2		
				5	Job Reference (optional)	
84 Components (Dunn),	Dunn, NC - 28334,		8.4	120 s Aug 1	25 2020 MiTek Industries, Inc. Wed Sep 2 12:51:53 2020	Page 2
		ID:m28TrXaph866FSG2iwKmK8zdK0u-Y1WIJzgZlBfLXNqWF2eMc?f66WPZmTccA8qkPMyhfx4			PMyhfx4	

LOAD CASE(S) Standard

Uniform Loads (plf) Vert: 1-3=-60, 3-5=-60, 9-12=-774(F=-754)

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- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 1.5x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 33, 34, 35, 36, 37, 38, 39, 40, 31, 30, 29, 27, 26, 25, 24 except (jt=lb) 23=101.



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Edenton, NC 27932



4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=227, 10=227.

7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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818 Soundside Road Edenton, NC 27932



BRACING-

TOP CHORD

BOT CHORD

FORCES.	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.

Code IRC2015/TPI2014

NOTES-

BCDL

LUMBER-

WEBS

OTHERS

BOT CHORD

REACTIONS.

(lb) -

10.0

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2

2x4 SP No.3

2x4 SP No.3

2x4 SP No.2 or 2x4 SPF No.2

All bearings 14-0-0. Max Horz 20=-221(LC 10)

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Max Uplift All uplift 100 lb or less at joint(s) 12 except 20=-136(LC 8), 17=-107(LC 12), 18=-105(LC 12),

19=-184(LC 12), 15=-106(LC 13), 14=-106(LC 13), 13=-173(LC 13) Max Grav All reactions 250 lb or less at joint(s) 20, 12, 16, 17, 18, 19, 15, 14, 13

Matrix-R

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 1.5x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 20=136, 17=107, 18=105, 19=184, 15=106, 14=106, 13=173.



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FT = 20%

Weight: 97 lb

Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 6-0-0 oc bracing.

except end verticals.

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September 3,2020

ENGINEERING BY EREPACED AMITEK Affiliate 818 Soundside Road Edenton, NC 27932

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- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=207, 6=207.



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2x4 SP No.3 BOT CHORD 2x4 SP No.3 OTHERS

REACTIONS. 1=10-5-14, 3=10-5-14, 4=10-5-14 (size) Max Horz 1=122(LC 9) Max Uplift 1=-42(LC 13), 3=-42(LC 13), 4=-5(LC 12) Max Grav 1=218(LC 1), 3=218(LC 1), 4=350(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

1) Unbalanced roof live loads have been considered for this design

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Gable requires continuous bottom chord bearing.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide 5)

will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.







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TOP CHORD2x4 SP No.3BOT CHORD2x4 SP No.3OTHERS2x4 SP No.3

BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=8-5-14, 3=8-5-14, 4=8-5-14 Max Horz 1=-97(LC 8) Max Uplift 1=-46(LC 13), 3=-46(LC 13) Max Grav 1=187(LC 1), 3=187(LC 1), 4=252(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Gable requires continuous bottom chord bearing.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide

will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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TOP CHORD 2x4 SP No.3 2x4 SP No.3 BOT CHORD 2x4 SP No.3 OTHERS

TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing

REACTIONS. 1=6-5-14, 3=6-5-14, 4=6-5-14 (size) Max Horz 1=-72(LC 8) Max Uplift 1=-34(LC 13), 3=-34(LC 13) Max Grav 1=139(LC 1), 3=139(LC 1), 4=188(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

1) Unbalanced roof live loads have been considered for this design

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Gable requires continuous bottom chord bearing.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide 5)

will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.







TOP CHORD

BOT CHORD

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LUMBER-
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TOP CHORD 2x4 SP No.3 BOT CHORD

2x4 SP No.3 OTHERS 2x4 SP No.3

REACTIONS. 1=4-5-14, 3=4-5-14, 4=4-5-14 (size) Max Horz 1=-47(LC 8) Max Uplift 1=-23(LC 13), 3=-23(LC 13) Max Grav 1=91(LC 1), 3=91(LC 1), 4=123(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

1) Unbalanced roof live loads have been considered for this design

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Gable requires continuous bottom chord bearing.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide 5)

will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



Structural wood sheathing directly applied or 4-6-6 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing





Max Grav 1=73(LC 1), 3=73(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

1) Unbalanced roof live loads have been considered for this design

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Gable requires continuous bottom chord bearing.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide 5)

will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.





