

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 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 with a clearance greater than 6-0-0 between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 19, 20, 21, 22, 17, 16, 15, 14, 12.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



Max Uplift All uplift 100 lb or less at joint(s) 16, 10, 14, 15, 12, 11 Max Grav All reactions 250 lb or less at joint(s) 16, 10, 13, 14, 15, 12,

11

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

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 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 with a clearance greater than 6-0-0 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) 16, 10 , 14, 15, 12, 11.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



Max Uplift All uplift 100 lb or less at joint(s) 1, 23, 37, 39, 40, 41, 42, 43, 44, 45, 33, 31, 30, 29, 28, 27, 26, 25 Max Grav All reactions 250 lb or less at joint(s) 1, 23, 35, 36, 37, 39, 40, 41, 42, 43, 44, 34, 33, 31, 30, 29, 28, 27, 26 except 45=286(LC

13), 25=267(LC 14)

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 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=43ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 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 2x4 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 with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 23, 37, 39, 40, 41, 42, 43, 44, 45, 33, 31, 30, 29, 28, 27, 26, 25.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



Scale = 1:78.9



5-1- 5-1-	<u>-12</u> -12	<u>36-1</u> 31-8	0-4 3-8		40-10-4 46-0-0 4-0-0 5-1-12
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2018/TPI2014	CSI. TC 0.03 BC 0.02 WB 0.13 Matrix-S	DEFL. in Vert(LL) -0.00 Vert(CT) 0.00 Horz(CT) 0.01	(loc) l/defl L/d 1 n/r 120 1 n/r 120 26 n/a n/a	PLATES GRIP MT20 244/190 Weight: 416 lb FT = 20%
LUMBER- TOP CHORD 2x63 BOT CHORD 2x63 B2: 2 OTHERS 2x43	SP No.1 SP No.1 *Except* 2x6 SP 2400F 2.0E SP No.3		BRACING- TOP CHORD BOT CHORD WEBS	Structural wood sheath Rigid ceiling directly ap 1 Row at midpt	ning directly applied or 6-0-0 oc purlins. oplied or 10-0-0 oc bracing. 14-38, 13-39, 12-40, 11-41, 15-37, 16-36, 17-35

bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 46-0-0.

(lb) - Max Horz 2=267(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) 2, 40, 41, 43, 44, 45, 46, 47, 48, 49, 36, 35, 33, 32, 31, 30, 29, 28, 27 Max Grav All reactions 250 lb or less at joint(s) 2, 26, 38, 39, 40, 41, 43, 44, 45, 46, 47, 48, 49, 37, 36, 35, 33, 32, 31, 30, 29, 28, 27

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=46ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 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 gualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 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 with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 40, 41, 43, 44, 45, 46, 47, 48, 49, 36, 35, 33, 32, 31, 30, 29, 28, 27.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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

4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Freedom Const/Wellons/Winston
27449	GR1	Common Girder	1	2	
					Job Reference (optional)

C&R Building Supply, Autryville NC

8.430 s Jan 20 2021 MiTek Industries, Inc. Mon Jul 10 16:26:39 2023 Page 2 ID:oOrFoot17C2KlbuW93NW5By3q3T-yNd8lZYBFPTHxaSQWbWHClD3o32eYM_wPU88BOyzQk_

NOTES-

- 5) All plates are MT20 plates unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 8) WARNING: Required bearing size at joint(s) 1, 7 greater than input bearing size.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=821, 7=828.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1592 lb down and 159 lb up at 2-0-12, 1592 lb down
- ánd 159 lb up at 4-0-12, 1592 lb down and 159 lb up at 6-0-12, 1592 lb down and 159 lb up at 8-0-12, 1592 lb down and 159 lb up at 10-0-12, 1592 lb down and 159 lb up at 10-0-12, 1592 lb down and 159 lb up at 14-0-12, 1592 lb down and 159 lb up at 16-0-12, and 1592 lb down and 159 lb up at 18-0-12, and 1592 lb down and 159 lb up at 20-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-4=-60, 4-7=-60, 13-16=-20

Concentrated Loads (lb)

Vert: 8=-1592(F) 12=-1592(F) 19=-1592(F) 20=-1592(F) 21=-1592(F) 22=-1592(F) 23=-1592(F) 24=-1592(F) 25=-1592(F) 26=-1592(F)

Job	Truss	Truss Type	Qty	Ply	Freedom Const/V	Vellons/Winston	
27449	GR2	Common Girder	1	2			
C&R Building Supply, A	Autryville NC		8.430 s Jai	n 20 202	Job Reference (option 1 MiTek Industries, Inc	nal) . Mon Jul 10 16:26:40 2023 I	Page 1
0 11 2		3-1-12 6-0-0	ID:oOrFoot17	C2KlbuW	93NW5By3q3T-QZBXyvZp 12-0-0	?ib8Yk1c3I1WkzmGATP7GpH3e8	BtiiqyzQjz
		3-1-12 2-10-4	2-10-4		3-1-12		
			4x6			Scale :	= 1:34.2
	8-11-5 4x4 // 2 1 8-11-5 2	10.00 12 3x6 // W1 W1 W2	4 W3 W2	¥1	3x6 \ 5 4x4 6 7		
			BI	Ľ		0-1-0	
		19 10 ²⁰	9 2	1 8	22		
	5x8	2x4	8x8 =	2x4	5x8		
	L	3-1-12 6-0-0	8-10-4		12-0-0		
Plate Offsets (X,Y)	[9:0-4-0,0-4-8]	3-1-12 2-10-4	2-10-4	1	3-1-12		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0 Plate Grip DOL 1. Lumber DOL 1. Rep Stress Incr N Code IBC2018/TPI20	0-0 CSI. 15 TC 0.47 15 BC 0.62 NO WB 0.87	DEFL. Vert(LL) -0.0 Vert(CT) -0.0 Horz(CT) 0.0 Wind(L) 0.0	in (loc) 04 8-9 08 8-9 02 7 03 8-0	l/defl L/d >999 360 >999 240 n/a n/a >999 240	PLATES GRIP MT20 244/190 Weight: 168 lb ET = 2	20%
				5 0-9	~999 240		20 /0
LUMBER-TOP CHORD2x4 SFBOT CHORD2x6 SFWEBS2x4 SFSLIDERLeft 2x	⁹ No.2 9 No.1 9 No.3 4 SP No.3 -È 1-6-0, Righ	t 2x4 SP No.3 -È 1-6-0	BRACING- TOP CHORD BOT CHORD	Struc Rigid	tural wood sheathing ceiling directly applie	directly applied or 5-2-8 oc p d or 10-0-0 oc bracing.	purlins.
REACTIONS. (Ib/size Max H May H	e) 1=4151/0-3-8 (min. (lorz 1=120(LC 26))-2-7), 7=4091/0-3-8 (min. 0-	-2-7)				
	O						
TOP CHORD 1-2=-	-2858/223, 2-3=-4601/410	5, 3-4=-3546/367, 4-5=-3546/	/367,				
5-6=- BOT CHORD 1-19=	-4603/416, 6-7=-2830/22 =-265/3417, 10-19=-265/3	1 3417, 10-20=-265/3417, 9-20	=-265/3417,				
9-21: WEBS 4-9=- 3-10:	=-262/3416, 8-21=-262/34 402/4204, 5-9=-1049/153 =-111/1457	416, 8-22=-262/3416, 7-22=-2 3, 5-8=-113/1463, 3-9=-1050/	262/3416 /153,				
NOTES- 1) 2-ply truss to be co Top chords connec Bottom chords con Webs connected a: 2) All loads are consid section. Ply to ply co 3) Unbalanced roof liv 4) Wind: ASCE 7-16; eave=4ft; Cat. II; Ei exposed; Lumber D 5) This truss has beer 6)* This truss has beer 6)* This truss has beer 6)-0 between the 7) Provide mechanica (jt=lb) 1=347, 7=34	nnected together with 10 ted as follows: 2x4 - 1 ro nected as follows: 2x6 - 2 s follows: 2x4 - 1 row at 0 dered equally applied to a connections have been prive loads have been consi Vult=140mph (3-second of xp B; Enclosed; MWFRS DOL=1.60 plate grip DOL n designed for a 10.0 psf en designed for a live loa bottom chord and any oth I connection (by others) of 2.	d (0.131"x3") nails as follows w at 0-9-0 oc. Prows staggered at 0-7-0 oc. I-9-0 oc. Il plies, except if noted as froi ovided to distribute only loads dered for this design. gust) Vasd=111mph; TCDL= (directional); cantilever left a =1.60 bottom chord live load nonco d of 20.0psf on the bottom ch rer members. of truss to bearing plate capal	: nt (F) or back (B) fa s noted as (F) or (B 6.0psf; BCDL=6.0p: nd right exposed ; e oncurrent with any o nord in all areas with ble of withstanding	ce in the), unless of; h=20 and verti- ther live a clear 100 lb uj	e LOAD CASE(S) s otherwise indicated. ft; B=45ft; L=24ft; cal left and right loads. ance greater than plift at joint(s) except		

Job	Truss	Truss Type	Qty	Ply	Freedom Const/Wellons/Winston
27449	GR2	Common Girder	1	2	Job Reference (optional)
C&R Building Supply, Au	itryville NC	8.4	130 s Jar	20 202 ו	1 MiTek Industries, Inc. Mon Jul 10 16:26:40 2023 Page 2

NOTES-

8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1457 lb down and 131 lb up at 1-11-4, 1457 lb down and 131 lb up at 3-11-4, 1457 lb down and 131 lb up at 5-11-4, and 1457 lb down and 131 lb up at 9-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-4=-60, 4-7=-60, 11-15=-20

Concentrated Loads (lb)

Vert: 9=-1457(F) 19=-1457(F) 20=-1457(F) 21=-1457(F) 22=-1457(F)





H	5-1-12 5-1-12	16- 10-	-0-12 -11-0			29-11-4 13-10-9				40-10-4 10-11-0	41 ₁ 0-0 46 0-1-12 5-	-0-0 -0-0
Plate Offsets ((X,Y) [9	9:0-1-5,0-0-0], [13:0-	·3-8,0-4-12],	[14:0-3-8	<u>,0-5-0], [27:0-</u>	<u>2-0,0-0-12],</u>	[29:0-2	2-0,0-0-	12]			
LOADING (psi TCLL 20. TCDL 10. BCLL 0. BCDL 10.	f) 0 0 * 0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2018/TF	2-0-0 1.15 1.15 YES Pl2014	CSI. TC BC WB Matrix	0.28 0.69 0.58 x-AS	DEFL. Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.44 -0.64 0.06 0.07	(loc) 13-14 13-14 12 13-14	l/defl >999 >771 n/a >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 398 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD BOT CHORD WEBS OTHERS	2x6 SP 2x6 SP B2: 2x6 2x4 SP W4: 2x6 2x4 SP	No.1 No.1 *Except* SP 2400F 2.0E No.3 *Except* 5 SP No.1 No.3				BRACING TOP CHO BOT CHO WEBS	- RD RD	Structu Rigid o 1 Row MiTe braci acco	ural wood ceiling dir at midpt k recomr ng be ins rdance w	I sheathing ectly applie mends that stalled durir rith Stabiliz	directly applied. ed. 3-14, 9-12 Stabilizers and req ng truss erection, in er Installation guide	uired cross
REACTIONS	(lb/size)	2=1674/0-3-8 (m	in 0-2-1) 12	=2150/0-	3-8 (min 0-2	-9) 10=-13/	0-3-8 (min 0-	1-8)			

ີ 12

4x6 =

Max Horz 2=270(LC 7) Max Uplift2=-164(LC 8), 12=-146(LC 8), 10=-127(LC 19) Max Grav2=1724(LC 13), 12=2185(LC 14), 10=76(LC 20)

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

TOP CHORD 2-3=-3154/221, 3-4=-2518/211, 4-5=-2427/250, 5-6=-2553/377, 6-7=-2063/346, 7-8=-1939/219, 8-9=-2035/180, 9-10=-60/698 BOT CHORD 2-15=-95/2942, 14-15=-156/2871, 14-37=0/1555, 37-38=0/1555, 13-38=0/1555, 12-13=-43/948, 10-12=-522/122 5-14=-478/198, 7-13=-465/197, 3-14=-656/179, 6-14=-139/1479, WEBS 6-13=-85/672, 9-13=0/961, 9-12=-2468/277, 3-15=0/386

NOTES-

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

2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=46ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

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 2x4 MT20 unless otherwise indicated.

5) Gable studs spaced at 2-0-0 oc.

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

7) * This truss has been designed for a live load of 20 0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 2=164, 12=146, 10=127.

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Job	Truss	Truss Type	Qty	Ply	Freedom Const/Wellons/Winston
27449	SG1	GABLE	1	1	
					Job Reference (optional)
C&R Building Supply, A	utryville NC	8.4	430 s Jai	20 202 ו	1 MiTek Industries, Inc. Mon Jul 10 16:26:41 2023 Page 2
		ID:	oOrFoot1	7C2KlbuW	93NW5By3q3T-ulkv9FZRm0j?Aucod?ZlHAJUrsk9?K3DtodFFHyzQjy

NOTES-

9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.







6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Freedom Const/Wellons/Winston
27449	Т3	FAN	2	1	
					Job Reference (optional)
C&R Building Supply, Au	utryville NC	8.4	430 s Jai	n 20 202	1 MiTek Industries, Inc. Mon Jul 10 16:26:44 2023 Page 2

8.430 s Jan 20 2021 MiTek Industries, Inc. Mon Jul 10 16:26:44 2023 Page 2 ID:oOrFoot17C2KlbuW93NW5By3q3T-IKQ1oHcK3x5a1LLNI86Svpx?Y4mdCiEfZmrvrcyzQjv



7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Freedom Const/Wellons/Winston
27449	T4	FAN	1	1	
					Job Reference (optional)
C&R Building Supply, A	utryville NC	8.4	430 s Ja	n 20 202	1 MiTek Industries, Inc. Mon Jul 10 16:26:45 2023 Page 2

8.430 s Jan 20 2021 MiTek Industries, Inc. Mon Jul 10 16:26:45 2023 Page 2 ID:oOrFoot17C2KlbuW93NW5By3q3T-mX_Q?ddyqFDRfVwZsrdhR0TAFU6sx9VpoQbTO2yzQju



Job	Truss	Truss Type	Qty	Ply	Freedom Const/Wellons/Winston
27449	Т5	FAN	5	1	
					Job Reference (optional)
C&R Building Supply, A	utryville NC	8.4	430 s Ja	n 20 202	1 MiTek Industries, Inc. Mon Jul 10 16:26:46 2023 Page 2

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Max Uplift1=-33(LC 8), 3=-33(LC 8)

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 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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 with a clearance greater than 6-0-0 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.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



Max Uplift1=-32(LC 8), 3=-32(LC 8)

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 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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 with a clearance greater than 6-0-0 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.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



			4-6-13 4-6-13						
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.03 BC 0.04 WB 0.02 Matrix-P	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 16 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S OTHERS 2x4 S	SP 2400F 2.0E SP No.2 SP No.3		BRACING- TOP CHOR BOT CHOR	RD RD	Structu purlins Rigid c	ural wood eiling dii	d sheathin rectly appl	g directly applied or ied or 10-0-0 oc bra	r 4-6-13 oc acing.
			4 400/4 0 40		MiTe braci accor	k recoming be ins rdance v	mends tha stalled dur vith Stabili	it Stabilizers and re ing truss erection, i zer Installation guid	quired cross n e.

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REACTIONS. (lb/size) 1=89/4-6-13 (min. 0-1-8), 3=89/4-6-13 (min. 0-1-8), 4=123/4-6-13 (min. 0-1-8) Max Horz 1=-37(LC 6)

Max Uplift1=-19(LC 8), 3=-19(LC 8)

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 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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 with a clearance greater than 6-0-0 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.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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 with a clearance greater than 6-0-0 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, 9,

6.
 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



Max Uplift All uplift 100 lb or less at joint(s) 8, 6

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=280(LC 1),

8=312(LC 19), 6=312(LC 20)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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 with a clearance greater than 6-0-0 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) 8, 6.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



NOTES-

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

2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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 with a clearance greater than 6-0-0 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.
 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



REACTIONS. (lb/size) 1=103/6-2-0 (min. 0-1-8), 3=103/6-2-0 (min. 0-1-8), 4=194/6-2-0 (min. 0-1-8) Max Horz 1=24(LC 7) Max Uplift1=-18(LC 8), 3=-18(LC 8)

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 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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 with a clearance greater than 6-0-0 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.

7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.