

Trenco

818 Soundside Rd Edenton, NC 27932

Re: J0623-2918

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville.

Pages or sheets covered by this seal: I58775756 thru I58775795

My license renewal date for the state of North Carolina is December 31, 2023.

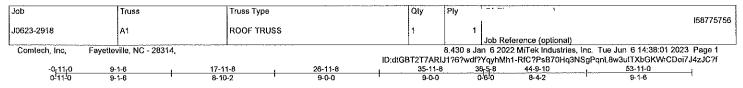
North Carolina COA: C-0844



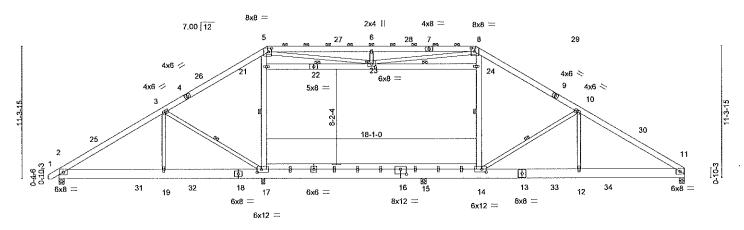
June 7,2023

Gilbert, Eric

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.



Scale: 1/8"=1"



	-	9-1-6 9-1-6	17-5-8 8-4-2	17 ₁ 11-8 0-6-0	26-11-8 9-0-0	INTERNATION OF THE PARTY OF THE	31-4-4 35-11-8 0-1-8 4-7-4	36-5-8 0-6-0	44-9-10 8-4-2	53-11- 9-1-6	
Plate Off	sets (X,Y)	[5:0-3-4,0-3-8], [8:0-3-4,)-3-8], [14:0-4	-8,0-3-0], [16:0	-6-0,0-5-0]	, [17:0-4-8,0-3-0], [23:0-4-0,0-2-12	2]			
LOADIN	11 7	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL TCDL	20.0 10.0	Plate Grip DOL Lumber DOL	1.15 1.15		0.68 0.59	Vert(LL) Vert(CT)	-0.16 12-14 -0.34 12-14	>999 >795	360 240	MT20	244/190
BCLL	0.0 *	Rep Stress Incr	YES		0.79	Horz(CT)	0.04 11	n/a	n/a		
BCDL	10.0	Code IRC2015/T	PI2014	Matrix		Wind(LL)	0.12 12-14	>999	240	Weight: 557 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

JOINTS

LUMBER-

WEBS

TOP CHORD 2x6 SP No.1

BOT CHORD 2x10 SP No.1 *Except*

13-16; 2x10 SP 2400F 2.0E 2x4 SP No.2 *Except*

5-17,8-14,17-20,21-22,22-24,14-20: 2x6 SP No.1

All bearings 0-5-8 except (jt=length) 17=0-3-8, 11=0-5-4.

REACTIONS. (lb) -Max Horz 2=261(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 2, 17, 11

All reactions 250 lb or less at joint(s) except 2=1379(LC 1), 17=1658(LC 26), 11=1478(LC 25),

15=2075(LC 2)

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

TOP CHORD 2-3=-2055/388, 3-5=-1363/336, 5-6=-3596/828, 6-8=-3596/828, 8-10=-1438/326,

10-11=-2454/387

BOT CHORD 2-19=-192/1632, 17-19=-192/1632, 15-17=0/1121, 14-15=0/1121, 12-14=-215/1979,

3-19=0/370, 3-17=-830/318, 10-14=-1258/329, 10-12=0/728, 17-21=-634/269,

5-21=-434/307, 14-24=-436/155, 6-23=-504/282, 5-23=-524/2719, 8-23=-487/2589

NOTES-

WEBS

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

- 2) Wind: ASCE 7-10; Vull=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-5 to 3-7-8, Interior(1) 3-7-8 to 17-8-4, Exterior(2) 17-8-4 to 23-10-15, Interior(1) 23-10-15 to 36-2-12, Exterior(2) 36-2-12 to 42-5-7, Interior(1) 42-5-7 to 53-8-6 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
 All plates are 2x6 MT20 unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf 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.
- 7) Ceiling dead load (10.0 psf) on member(s). 21-23, 23-24; Wall dead load (5.0psf) on member(s).17-21, 14-24
- 8) Bottom chord live load (40.0 psf) and additional bottom chord dead toad (10.0 psf) applied only to room. 15-17, 14-15
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 17, 11. 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 11) Attic room checked for L/360 deflection.



Structural wood sheathing directly applied or 4-7-8 oc purlins, except

3-17, 10-14, 17-21, 14-24, 21-23, 23-24

2-0-0 oc purlins (3-2-2 max.): 5-8.

1 Row at midpt

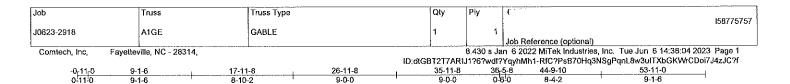
1 Brace at Jt(s): 23

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

June 7,2023

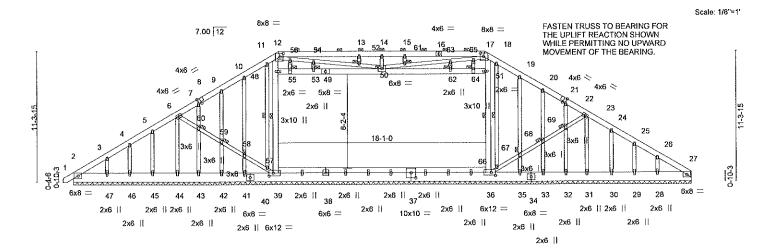
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





9-0-0

9-0-0



!	9-1-6 9-1-6	17-11-8 8-10-2	26-11-8 9-0-0	31-4-4 4-4-12	35-11-8 3 4-7-4	6-5-8 0-6-0	44-9-10 8-4-2	53-11-0 9-1-6	
Plate Offsets (X,Y)	[8:0-2-11,Edge], [12	2:0-3-4,0-3-8], [17:0-	3-4,0-3-8], [21:0-2-10,Ed	ge], [36:0-4-8,0-3-	0], [37:0-5-0,0	-5-8], [39:	0-4-8,0-3-0]		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- Plate Grip DO Lumber DOL Rep Stress Ir	. 1.15 nor YES	CSI. TC 0.32 BC 0.64 WB 0.97	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.00 1 0.00 1 0.01 27	l/defl n/r n/r n/a	L/d 120 120 n/a	PLATES MT20	GRIP 244/190
BCDL 10.0	Code IRC20	15/TPI2014	Matrix-S					Weight: 675 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

JOINTS

except

LUMBER-TOP CHORD 2x6 SP No 1

BOT CHORD 2x10 SP No.1

2x4 SP No 2 *Except* WEBS

12-39,17-36,38-39,48-49,49-51,36-38: 2x6 SP No.1

OTHERS 2x4 SP No.2

REACTIONS. All bearings 53-11-0.

Max Horz 2=326(LC 9) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 2, 27, 42, 43, 45, 46, 32, 30, 29

8-10-2

except 41=-1409(LC 18), 47=-129(LC 12), 35=-1390(LC 18), 28=-131(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 2, 44, 31, 27, 43, 45, 46, 32, 30,

29 except 39=2583(LC 2), 36=2585(LC 2), 42=605(LC 18), 47=265(LC 20),

33=635(LC 18), 28=270(LC 21)

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

2-3=-278/265, 6-7=-167/284, 7-9=-136/302, 9-10=-95/303, 10-11=-94/389, TOP CHORD

11-12=-96/425, 12-13=-2016/725, 13-14=-2016/725, 14-15=-2016/725, 15-17=-2016/725,

17-18=-76/415, 18-19=-58/372, 19-20=-13/269, 20-22=-44/285, 22-23=-73/277

BOT CHORD

WEBS 39-48=-1198/331, 12-48=-1373/446, 36-51=-1199/300, 17-51=-1375/415, 14-50=-265/194,

12-56=-612/2412, 54-56=-588/2320, 52-54=-592/2322, 50-52=-586/2311,

50-61=-586/2317, 61-63=-593/2328, 63-65=-589/2326, 17-65=-613/2418, 55-56=-133/467,

64-65=-134/469

NOTES-

Unbalanced roof live loads have been considered for this design.

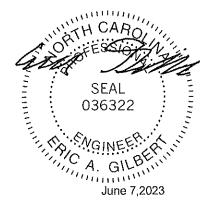
- 2) Wind: ASCE 7-10; Vull=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane 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) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.

Continued on page 2

- 8) 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 30.0psf 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.
- 10) Ceiling dead load (10.0 psf) on member(s). 48-55, 53-55, 50-53, 50-62, 62-64, 51-64; Wall dead load (5.0psf) on member(s). 39-48, 36-51, 35-67, 33-68, 24-30

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rov. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801



Structural wood sheathing directly applied or 10-0-0 oc purlins,

1 Brace at Jt(s): 50, 52, 53, 55, 58, 59, 60, 61, 62, 64, 67, 68, 69

39-48, 36-51, 11-57, 18-66

2-0-0 oc purlins (5-0-15 max.): 12-17.

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



	Jop	Truss	Truss Type	Qty	Ply	158775757
1	1		1	1	1 1	19171797
	J0623-2918	A1GE	GABLE	1	1	
1					.	Job Reference (optional)
	Comtech, Inc, Fayettey	rille, NC - 28314,		•	8,430 s Jan	6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:05 2023 Page 2

NOTES-

8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:05 2023 Page 2 ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 ib uplift at joint(s) 2, 27, 42, 43, 45, 46, 32, 30, 29 except (jt=lb) 41=1409, 47=129, 35=1390, 28=131.

12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 13) N/A

14) Attic room checked for L/360 deflection.

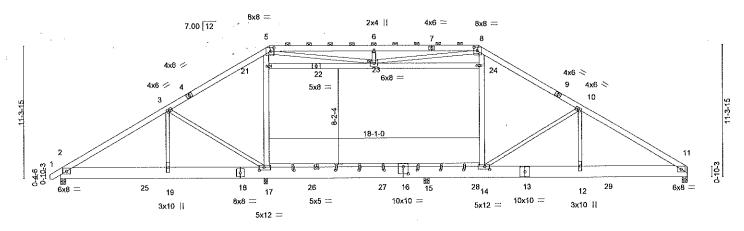
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Job Truss Truss Type Qty Ply 158775758 A1GRD ROOF TRUSS J0623-2918 Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:07 2023 Page 1 Comtech, Inc, Fayetteville, NC - 28314, ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 17-11-8 35-11-8 8-8-6 8-2-6

Scale = 1:94.8



	9-3-2 t	17-5-8	1/ ₁ 11-8	31-2-12	31-4-4 30-11-8	<i>30</i> -3-8	44-7-14	55-11-0	
-	9-3-2	8-2-6	0-6-0	13-3-4	0-1-8 4-7-4	0,9,0	8-2-6	9-3-2	1
Plate Offsets (X,Y)	[5:0-3-4,0-3-8], [8:0-3-4]	0-3-8], [14:0-5	-0,0-3-0], (14:0-3-5,	0-0-15], [14:0-3-4,0-1-	0], [14:0-3-4,0-1-0	0], [16:0-5	-0,0-7-4], [17:	0-3-4,0-0-14], [17:0-5-0	,0-3-0],
	[20:0-3-4,0-1-0], [20:0-3								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	i/defl	L/d	PLATES	GRIP
CLL 20.0	Plate Grip DOL	1.15	TC 0,20	Vert(LL)	-0.15 12-14	>999	360	MT20	244/190
CDL 10.0	Lumber DOL	1,15	BC 0.67	Vert(CT	-0.30 12-14	>902	240		
3CLL 0.0 *	Rep Stress Incr	NO	WB 0,63	Horz(C1	0.04 11	n/a	n/a		
3CDL 10.0	Code IRC2015/T	PI2014	Matrix-S	Wind(Ll	.) 0.11 12-14	>999	240	Weight: 1172 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP 2400F 2.0E

BOT CHORD 2x12 SP No.1 *Except*

13-16; 2x12 SP 2400F 2.0E

WEBS 2x4 SP No.2 *Except*

5-17,8-14,21-22,22-24: 2x6 SP No.1, 17-20,14-20: 2x4 SP No.1

BRACING-

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

2-0-0 oc purlins (6-0-0 max.): 5-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

JOINTS 1 Brace at Jt(s): 23

REACTIONS. All bearings 0-5-8 except (jt=length) 17=0-3-8, 11=0-5-4.

(lb) - Max Horz 2=260(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) except 2=-168(LC 9), 17=-623(LC 21),

11=-230(LC 9)

Max Grav All reactions 250 lb or less at joint(s) except 2=2540(LC 1), 17=757(LC

22), 11=2892(LC 21), 15=5708(LC 14)

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

TOP CHORD 2-3=-4264/400, 3-5=-3544/428, 5-6=-5279/575, 6-8=-5279/575, 8-10=-3656/399,

10-11=-5304/435

BOT CHORD 2-19=-262/3520, 17-19=-262/3520, 15-17=-116/3012, 14-15=-116/3012, 12-14=-265/4416, 11-12=-265/4416

3-19=0/406, 3-17=-705/267, 10-14=-1794/264, 10-12=0/1288, 17-21=-286/1107, 5-21=-162/1210, 14-24=-241/1217, 8-24=-116/1307, 21-23=-311/40, 6-23=-458/210,

5-23=-264/2604, 8-23=-251/2301

NOTES-

Continued on page 2

WEBS

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x12 - 2 rows staggered at 0-3-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc. 2x6 - 2 rows staggered at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to

ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

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

 Wind: ASCE 7-10; Vull=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. It; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60

5) Provide adequate drainage to prevent water ponding.

6) All plates are 2x6 MT20 unless otherwise indicated.

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 30.0psf 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.

9) Ceiling dead load (10.0 psf) on member(s). 21-23, 23-24; Wall dead load (5.0psf) on member(s).17-21, 14-24

10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-17, 14-15

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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Job	Truss	Truss Type	Qty	Ply	l l
J0623-2918	A1GRD	ROOF TRUSS	1	2	[58775758
					Job Reference (optional)

Comtech, Inc,

Fayetteville, NC - 28314,

8,430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:07 2023 Page 2 ID:dlGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 168 lb uplift at joint 2, 623 lb uplift at joint 17 and 230 lb uplift at joint 11.

 12) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.

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

 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3098 lb down and 329 lb up at 36-3-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 15) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced); Lumber Increase=1,15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-5=-60, 5-8=-60, 8-11=-60, 2-17=-20, 17-26=-40, 26-27=-73(F=-33), 27-28=-92(F=-52), 14-28=-40, 11-14=-20, 21-24=-20

Drag: 17-21=-10, 14-24=-10

Concentrated Loads (lb) Vert: 14=-3061(F)

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Job Truss Truss Type Qty Ply 158775759 J0623-2918 A2 ROOF TRUSS Job Reference (optional) 8,430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:09 2023 Page 1 Comtech, Inc. Fayetteville, NC - 28314, ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 26-11-8 9-0-0 36-5-8 0-6-0 44-9-10 9-1-6 6-7-14 Scale = 1:100.3 8x8 = 4x8 == 2x4 || 8x8 = 7.00 12 33 TO) 4x6 / 28 4x6 🔷 30 26 6x8 = 10 4x6 < 5x8 = 18-1-0 12 0-10-3 råi P) 16 20 17 6x8 = 19 14 36 23 22 18 15 13 6x6 = 2x4 [] 8x12 == 8x8 == 4x6 8x16 = 6x12 == 4x8 = 8x8 = 5x8 || 2v4 II 2-5-8 17-11-8 Plate Offsets (X,Y)--[3:0-4-4,0-1-11], [6:0-3-4,0-3-8], [9:0-3-4,0-3-8], [15:0-4-8,0-3-0], [17:0-6-0,0-5-4], [18:0-7-8,0-4-0], [27:0-4-0,0-2-12], [18:0-7-8,0-4-0], [27:0-4-0,0-2-12], [**PLATES** GRIP SPACING-CSL DEFL. 1/dLOADING (psf) 2-0-0 in (loc) I/defl 244/190 Plate Grip DOL 0.66 -0.22 16-18 >801 360 MT20 TCLL 20.0 1.15 TC Vert(LL) TCDL BC. Vert(CT) -0.38 13-15 >695 240 10.0 Lumber DOL 1 15 0.87

Horz(CT)

Wind(LL)

BRACING-

TOP CHORD

BOT CHORD

WEBS

JOINTS

0.11

0.14 13-15

12

n/a

>999

1 Row at midpt

1 Brace at Jt(s): 27

n/a

240

Rigid ceiling directly applied or 9-10-2 oc bracing.

2-0-0 oc purlins (3-3-5 max.): 6-9.

Weight; 541 lb

18-25, 15-28, 25-27, 27-28, 11-15, 4-18

Structural wood sheathing directly applied or 4-9-4 oc purlins, except

FT = 20%

LUMBER-

BCLL

BCDL

WEBS

TOP CHORD 2x6 SP No.1

0.0

10.0

BOT CHORD 2x6 SP No.1 *Except*

17-19,12-14; 2x10 SP No.1, 14-17; 2x10 SP 2400F 2.0E

Rep Stress Incr

2x6 SP No.1 *Except*

11-13,11-15,4-20,4-18,7-27,6-27,9-27; 2x4 SP No.2

Code IRC2015/TPI2014

All bearings 0-5-8 except (jt=length) 18=0-3-8, 12=0-5-4.

YES

REACTIONS. (lb) - Max Horz 2=262(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 2, 18, 12

Max Grav All reactions 250 lb or less at joint(s) except 2=1176(LC 1), 18=1743(LC 20), 12=1406(LC 21),

WB 0.81

Matrix-S

16=2182(LC 2)

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

TOP CHORD 2-3=-575/225, 3-4=-1788/339, 4-6=-1087/275, 6-7=-3434/790, 7-9=-3434/790, 9-11=-1259/287, 11-12=-2321/363

BOT CHORD 3-21=-151/1515, 20-21=-149/1487, 18-20=-168/1487, 16-18=0/968, 15-16=0/964,

13-15=-194/1866, 12-13=-194/1866 WEBS

18-25=-795/288, 6-25=-589/325, 15-28=-524/154, 9-28=-332/192, 25-27=-307/74, 11-13=0/754, 11-15=-1279/347, 4-20=0/401, 4-18=-934/332, 7-27=-508/282,

6-27=-539/2797, 9-27=-476/2542, 21-22=-87/368, 3-23=-960/316

NOTES-

Unbalanced roof live loads have been considered for this design.

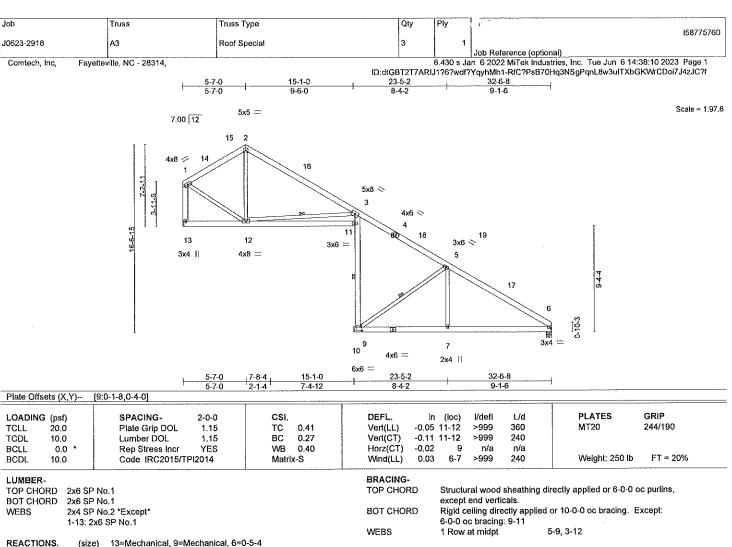
- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-5 to 3-7-8, Interior(1) 3-7-8 to 17-8-4, Exterior(2) 17-8-4 to 23-10-15, Interior(1) 23-10-15 to 36-2-12, Exterior(2) 36-2-12 to 42-5-7, Interior(1) 42-5-7 to 53-8-6 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- 4) All plates are 2x6 MT20 unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf 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.
- 7) Ceiling dead load (10.0 psf) on member(s), 2-3, 25-27, 27-28; Wall dead load (5.0psf) on member(s), 18-25, 15-28
- 8) Bottom chord live load (40.0 pst) and additional bottom chord dead load (10.0 pst) applied only to room. 16-18, 15-16 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 18, 12.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

11) Attic room checked for L/360 deflection.

JORTH SEAL 036322 GILB minimin June 7,2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTeke connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design, Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, rection and bracing of trusses and truss systems, see ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





(size) 13=Mechanical, 9=Mechanical, 6=0-5-4

Max Horz 13=-460(LC 13)

Max Uplift 13=-43(LC 13), 9=-4(LC 13), 6=-161(LC 13) Max Grav 13=586(LC 1), 9=1398(LC 20), 6=810(LC 20)

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

TOP CHORD 1-2=-467/159, 2-3=-569/130, 3-5=-380/383, 5-6=-1026/369, 1-13=-563/176

BOT CHORD 12-13=-457/465, 11-12=0/332, 9-11=-859/28, 3-11=-765/85, 7-9=-175/772,

WEBS 5-7=0/505, 5-9=-947/225, 1-12=-62/414, 3-12=-384/408

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=15ft; Cat. If; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-12 to 4-7-9, Interior(1) 4-7-9 to 5-7-0, Exterior(2) 5-7-0 to 9-11-13, Interior(1) 9-11-13 to 32-3-14 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

4) * This truss has been designed for a live load of 30.0psf 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.

5) Refer to girder(s) for truss to truss connections.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 9 except (jt=lb) 6=161.

JORT SEAL 036322 minning. June 7,2023

🚵 WARNING - Veiify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE Design valid for use only with MiTok® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of Irusses and truss systems, see

ANSI/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



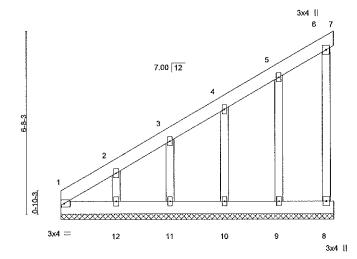
Job Truss Truss Type Qty Ply 158775761 J0623-2918 A4GE MONOPITCH SUPPORTED Job Reference (optional) Comtech, Inc.

Fayetteville, NC - 28314,

8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:11 2023 Page 1 ID:dtGBT2T7ARIJ176?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

10-0-0

Scale = 1:40.5



LOADING (psf) **PLATES GRIP** SPACING-DEFL. 2-0-0 CSI. I/def L/d in (loc) MT20 244/190 Plate Grip DOL 0.04Verl(LL) 999 TCLL 20.0 1.15 TC. n/a n/a 999 10.0 Lumber DOL 1.15 BC 0.01 Vert(CT) n/a n/a TCDL. WB Rep Stress Incr YES 0.06 Horz(CT) -0.00n/a n/a BCH 0.0 Code IRC2015/TPI2014 Weight: 76 lb FT = 20%BCDL 10.0 Matrix-S

LUMBER-

TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1

2x4 SP No.2 WEBS

OTHERS 2x4 SP No.2 **BRACING-**

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

except end verticals.

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

REACTIONS. All bearings 10-0-0.

(lb) - Max Horz 1=290(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 8, 9, 10, 11 except 12=-137(LC 12)

E

All reactions 250 lb or less at joint(s) 1, 7, 8, 9, 10, 11, 12

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

TOP CHORD 1-2=-335/279

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip
- 2) 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.
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 4) Gable requires continuous bottom chord bearing.
- 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.
- * This truss has been designed for a live load of 30.0psf 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 8, 9, 10, 11 except (jt=lb) 12=137.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply 158775762 J0623-2918 В1 HALF HIP Job Reference (optional) Comtech, Inc. Fayetteville, NC - 28314, 8,430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:12 2023 Page 1 24₁6-8 28-7-0 0-2-6 4-0-8 16-5-8 6-2-14 -0-11-0 0-11-0 9-1-0 10-2-10 1-1-10 2-1-0 4-0-8 Scale = 1;71.1 2x6 = 4x6 == 4x8 === 9 10 B 7.00 12 2x4 == 20 3.00 12 2x6 | 6x8 = 6 7-0-0 4x6 = 2x4 12-0-0 [§] **⊠** 19 17²³ 3x4 = 18 12 15 4x6 = 3x4 = 3x4 == 4x6 = 5x12 == 5x8 10-2-10 16-5-8 6-2-14 2-1-0 Plate Offsets (X,Y)--[2:0-5-0,0-0-6], [5:0-5-0,0-3-0], [8:0-3-0,0-3-12], [15:0-3-8,0-2-8], [16:0-4-8,0-2-8], [17:0-5-0,0-1-12] LOADING (psf) **PLATES** GRIP SPACING-CSI DEFL. f/defl 1/d2-0-0 (loc) 244/190 Plate Grip DOL 0.75 -0.28 15-17 >879 MT20 Vert(LL) 360 TCLL 20.0 1.15 TC -0.39 15-17 TODE BC. 0.59Vert(CT) >626 240 10.0 Lumber DOL 1 15 0.02 BCLL 0.0 Rep Stress Incr YES WB 0.70 Horz(CT) 12 n/a n/a Code IRC2015/TPI2014 Wind(LL) -0.10 17-19 >999 240 Weight; 275 lb FT = 20%

LUMBER-

BCDL

TOP CHORD 2x6 SP No 1 BOT CHORD 2x6 SP No.1

10.0

2x4 SP No 2 *Except* WEBS

9-12,7-20,6-17; 2x6 SP No.1

BRACING-

TOP CHORD

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:

4-5-0 oc bracing: 14-16, 13-14 1 Row at midpt

12-20, 6-17, 5-19

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

except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 8-10.

WEBS JOINTS

1 Brace at Jt(s): 20, 14

REACTIONS.

(size) 12=Mechanical, 19=0-5-4

Max Horz 19=369(LC 12)

Max Uplift 12=-30(LC 12), 19=-299(LC 8) Max Grav 12=1623(LC 19), 19=2043(LC 25)

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

2-3=-1366/1516, 3-5=-1255/1438, 5-6=-434/46, 6-7=-342/0, 7-8=-105/323, TOP CHORD

12-13=-1374/106, 13-20=-358/222, 9-20=-358/222

2-19=-1385/1373, 17-19=-76/964, 15-17=0/3134, 14-16=-2896/202, 13-14=-2984/0 BOT CHORD 7-20=-481/94, 14-15=-380/36, 14-17=-646/643, 13-15=0/3189, 3-19=-657/346,

16-17=-2983/443, 6-16=-621/612, 5-17=-233/3344, 5-19=-2200/596, 5-16=-3045/122

NOTES-

WEBS

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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-11 to 3-9-2, Interior(1) 3-9-2 to 28-7-0, Exterior(2) 28-7-0 to 31-1-8 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Matrix-S

- 3) Provide adequate drainage to prevent water ponding.
- 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 30.0psf 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) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (it=ib)
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



🚵 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITE&C connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. Bracing individual indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2870 Crain Highway, Suite 203 Waldorf, MD 20601



Job Ply Truss Truss Type Qty 158775763 J0623-2918 B1A HALF HIP Job Reference (optional) Comtech, Inc. Favetteville, NC - 28314. 8,430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:14 2023 Page 1 ID:dlGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 10-2-10 1-6-2 16-5-8 24₇6-8 28-7-0 0-2-6 4-0-8 6-2-14 8-8-8 2-1-0 5-9-10 2-6-8 Scale = 1:69.7 3x10 =5x10 M18AHS = 2x4 = 7.00 12 7 20 3.00 12 3x10 |1 8x8 2-0-0 5x8 = 12-0-0 4-7-7 16 9-8 1621 ⊠ 19 17²³ 3x4 = 18 12 15 5x10 M18AHS = 3x4 ... 5x5 = 4x6 = 10x10 = 8x8 = 16-5-8 24-6-8 0-2-6 10-2-10 6-2-14 2-1-0 5-9-10 Plate Offsets (X,Y)--[2:0-5-0,0-0-6], [5:0-5-12,0-4-0], [6:0-3-0,0-3-12], [9:Edge,0-2-8], [12:Edge,0-2-8], [16:0-3-0,Edge], [19:0-2-8,0-3-8] LOADING (psf) SPACING-3-0-0 CSI DEFL in (loc) I/defi 1/d**PLATES** GRIP 20.ó 244/190 TCLL Plate Grip DOL 1.15 TC 0.95 Verl(LL) -0.40 15-17 >613 360 MT20 TCDL M18AHS 186/179 10.0 Lumber DOL 1.15 BC 0.96 Vert(CT) -0.55 15-17 >444 240 WB Horz(CT) BCLL 0.0 Rep Stress Incr 0.91 0.03 12 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Wind(LL) -0.15 17-19 Weight; 276 lb FT = 20% Matrix-S >999 240 LUMBER-**BRACING-**TOP CHORD 2x6 SP No.1 TOP CHORD 2-0-0 oc purlins (5-1-9 max.), except end verticals BOT CHORD 2x6 SP No.1 (Switched from sheeted: Spacing > 2-8-0). WEBS 2x4 SP No.2 *Except* BOT CHORD Rigid ceiling directly applied or 5-5-14 oc bracing. Except: 9-12: 2x6 SP 2400F 2.0E, 7-20,6-17: 2x6 SP No.1 3-6-0 oc bracing: 13-14 3-7-0 oc bracing: 14-16 14-17,13-15; 2x4 SP No.1 WEBS 1 Row at midpt 12-20, 6-17, 5-19 **JOINTS** 1 Brace at Jt(s): 5, 8, 20, 14 REACTIONS. (size) 12=Mechanical, 19=0-5-4 Max Horz 19=554(LC 12) Max Uplift 12=-45(LC 12), 19=-459(LC 8) Max Grav 12=2413(LC 19), 19=3094(LC 25)

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

2-3=-1906/1971, 3-5=-2113/2596, 5-6=-693/15, 6-7=-544/0, 7-8=-173/529, TOP CHORD

12-13=-2043/149, 13-20=-541/336, 9-20=-541/336, 8-9=-66/404

BOT CHORD

2-19=-1797/1907, 17-19=-126/1397, 15-17=0/4591, 12-15=-459/297, 14-16=-4007/250,

13-14=-4346/0 7-20=-809/168, 14-15=-554/54, 14-17=-1090/865, 13-15=0/4734, 3-19=-1010/539,

WEBS 16-17=-4092/579, 6-16=-824/858, 5-17=-269/4647, 5-19=-3644/1120, 5-16=-4227/142

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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-11 to 3-9-2, Interior(1) 3-9-2 to 28-7-0, Exterior(2) 28-7-0 to 31-1-8 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30,0psf 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.
- Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (it=lb)
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

ORTH SEAL 036322 GILB' angunian June 7,2023

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE Design valid for use only with MITok® connectors. This design is based only upon parameters and is for an individual building component, not a lnuss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building dosign. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply 158775764 J0623-2918 B1GE GABLE Job Reference (optional) Fayetteville, NC - 28314, 8.430 s Jan 6 2022 MiTek Industries, inc. Tue Jun 6 14;38:15 2023 Page 1 ID:dlGBT2T7ARIJ176?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 17-8-12 24-4-2 28-7-0 31-1-8 Comtech, Inc. 17-8-12 1-3-4 16-5-8 6-7-6 4-2-14 Scale = 1:71.7 4x6 = 3x4 || 17 18 19 20 21 7.00 12 16 15 14 3.00 12 13 4x6 = 12 4x6 = 10 11 7 3x4 = 12 골 경 30 37 36 35 34 33 32 31 29 28 27 26 25 24 23 22 3x4 || 4x6 == 17-8-12 17-8-12 12-1-12 Plate Offsets (X,Y)-- [18:0-3-0,0-3-12], [31:0-2-8,0-2-0] LOADING (psf) SPACING-CSI. DEFL. L/d **PLATES** GRIP 2-0-0 in l/defi (loc) TCLL 20,0 Plate Grip DOL -0.00 244/190 0.06 MT20 1.15 TC Vert(LL) 120 n/r **TCDL** 10.0 Lumber DOL BC 0.00 1.15 0.04 Vert(CT) n/r 120 **BCLL** 0.0 Rep Stress Incr WB 0.12 21 YES -0.01 Horz(CT) n/a n/a BCDL 10.0 Code IRC2015/TPf2014 Matrix-S Weight: 284 lb FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1 2x6 SP No.1 WEBS

OTHERS 2x4 SP No.2 BRACING-

TOP CHORD BOT CHORD

WEBS

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 18-21. Rigid ceiling directly applied or 10-0-0 oc bracing.

20-22, 15-26, 16-25, 17-24, 19-23 1 Row at midpt

REACTIONS. All bearings 31-1-8.

Max Horz 2=531(LC 12) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 22, 2, 21, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 25, 24, 23

except 37=-105(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 22, 2, 21, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 25, 24, 23 except 37=318(LC 1)

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

TOP CHORD 2-3=-524/348, 3-4=-477/319, 4-5=-459/317, 5-6=-434/306, 6-7=-410/297, 7-9=-385/288,

9-10=-360/278, 10-11=-356/274, 11-12=-356/286, 12-13=-313/251

NOTES-

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

- 2) Wind: ASCE 7-10; Vull=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; 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.
- Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 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 30.0psf 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) 22, 2, 21, 36, 35, 34, 33, 32, 30, 29, 28, 27, 26, 25, 24, 23 except (jt=lb) 37=105.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIT-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITOK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, eraction and bracing of trusses and truss systems, see

ANSITP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Type Truss Qty Ply 158775765 J0623-2918 B2GE JACK-CLOSED STRUCTUR Job Reference (optional) Fayetteville, NC - 28314, 8.430 s Jan 6.2022 MiTek Industries, Inc. Tue Jun 6.14:38:17.2023. Page 1. Comtech, Inc.

ID:dIGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3uiTXbGKWrCDoi7J4zJC?f 6-3-12 6-1-0 | 8-3-12 | 10-5-8 1-9-4 | 2-0-0 | 2-1-12 4-3-12 16-5-8 6-0-0 31-1-8 7-5-12 0-2-12 7.00 12 Scale = 1:76.5 11 4x6 / 3x6 🖊 4x6 = 3.00 12 6x6 = 13 4x6 = 14 4x6 = 5.50 12 4x4 4x6 = 2x4 || 5 6 2x4 || 4 1 3x4 =3x10 =

	+ 4-3-12 + 6-3-12 + 8- 4-3-12 + 2-0-0 + 2	3-12 10-5-8 16-5- 0-0 2-1-12 6-0-0		23-7-12 7-2-4	30-10-7 7-2-11	31 ₁ 1-8 0-3-1	
Plate Offsets (X,Y)	[12:0-3-1,0-2-0], [16:0-3-0,0-3-8]				 		
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 IRC2015/TPI2014	CSI. TC 0.35 BC 0.24 WB 0.47 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in (loc) -0,08 14-15 -0.16 14-15 -0,01 16 0.10 14-15	 L/d 360 240 n/a 240	PLATES MT20 Weight: 208 lb	GRIP 244/190 FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1

WEBS 2x4 SP No,2 *Excepi*

11-12: 2x4 SP No.1

44 c

19

18

2x4 || 2x4 || 2x4 ||

17

6x6 =

BRACING-

TOP CHORD

BOT CHORD

Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 14-15

Structural wood sheathing directly applied or 5-11-5 oc purlins,

9-12

9-1-14 oc bracing: 12-14.

WEBS 1 Row at midpt

REACTIONS. All bearings 10-5-8 except (jt=length) 12=Mechanical.

(lb) -Max Horz 2=595(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 18, 17 except 2=-183(LC 19), 16=-429(LC 12), 19=-113(LC 12),

12=-316(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 2, 18, 17 except 16=1602(LC 1), 16=1602(LC 1), 19=348(LC 1),

12=694(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-3=-766/1385, 3-4=-715/1352, 4-5=-694/1344, 5-6=-691/1370, 6-8=-756/0,

TOP CHORD 8-9=-1599/409

BOT CHORD

2-19=-1172/171, 18-19=-1172/171, 17-18=-1172/171, 16-17=-1172/171, 15-16=-1377/230,

14-15=-450/925, 12-14=-734/1618

6-16=-890/397, 6-15=-553/1903, 8-15=-772/348, 8-14=-259/693, 9-12=-1416/633,

3-19=-250/171

NOTES-

WEBS

- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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 30.0psf 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) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 17 except (jl=lb) 2=183, 16=429, 19=113, 12=316.



WARNING - Venity design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.



Job Truss Truss Type Qty Ply 158775766 J0623-2918 C1 COMMON Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14;38:18 2023 Page 1 ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDol7J4zJC? Comtech, Inc. Fayetleville, NC - 28314, 8-10-14 4-10-14 12-10-14 22-9-8 4-10-14 4-0-0 4-10-5 5-0-5 Scale = 1:54.7 4x6 = 4x6 < 7.00 12 6 4x8 🖊 0-11-0 8 6 13 11 12 10 4x4 = 6x8 == 3x4 [] 5x8 = 5x8 = 3x10 || 8-10-14 12-10-14 17-9-3 4-10-14 4-0-0 4-10-5 5-0-5 Plate Offsets (X,Y)-- [4:0-3-0,Edge], [9:0-0-0,0-1-5], [9:0-3-6,0-4-0], [10:0-3-0,0-2-4], [12:0-3-0,0-2-4] LOADING (psf) CSI. DEFL. **PLATES** GRIP SPACING-2-0-0 (loc) I/defl L/d in 20.0 Plate Grip DOL 244/190 0.53 Vert(LL) -0.20 10-12 >999 360 MT20 TCLL 1.15 TC TCDL ВС Vert(CT) -0.39 10.0 Lumber DOL 1.15 0.67 9-10 >679 240 **BCLL** Rep Stress Incr WB 0.42 0.02 0.0 YES Horz(CT) n/a n/a **BCDL** Code IRC2015/TPI2014 Wind(LL) 9-10 >999 240 Weight: 184 lb FT = 20% 10.0 Matrix-S 0.17 LUMBER-BRACING-TOP CHORD 2x6 SP No.1 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

BOT CHORD

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

BOT CHORD 2x6 SP No.1

2x4 SP No.2 *Except* WEBS

1-13,10-12: 2x6 SP No.1

WEDGE

Right: 2x4 SP No.2

REACTIONS.

(size) 13=0-3-8, 9=0-5-8

Max Horz 13=-200(LC 8)

Max Uplift 13=-37(LC 13), 9=-51(LC 13) Max Grav 13=1034(LC 20), 9=991(LC 20)

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

TOP CHORD 1-2=-1018/203, 2-3=-917/273, 6-7=-780/246, 7-8=-1118/226, 8-9=-1424/293, 1-13=-1213/238

BOT CHORD 10-12=0/880, 9-10=-164/1152

WEBS 7-10=0/453, 3-6=-900/252, 1-12=-135/1167, 8-10=-475/228

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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-12 to 4-9-2, Interior(1) 4-9-2 to 8-10-14, Exterior(2) 8-10-14 to 13-0-10, Interior(1) 13-0-10 to 22-6-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 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 30.0psf 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) 13, 9.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801



Ply Job Truss Truss Type Qty 158775767 J0623-2918 C1GE GABLE 1 Job Reference (optional) 8,430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:20 2023 Page 1 Comtech, Inc. Fayetteville, NC - 28314, ID:dtGBT2T7ARIJ176?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f 8-10-14 8-10-14 Scale = 1:55.6 5x5 = 4x6 < 7.00 12 8 10 3x4 || 11 12 13 3x4 === 22 20 17 16 15 3x10 || 8x8 = 3x4 || 22-9-8 Plate Offsets (X,Y)-- [7:0-1-9,Edge], [14:0-0-0,0-1-1], [14:0-3-6,0-4-0], [22:0-4-0,0-4-8] LOADING (psf) CSI. DEFL. L/d **PLATES** GRIP SPACINGl/defi 2-0-0 in (loc) 244/190 Plate Grip DOL Vert(LL) 999 MT20 20.0 0.04 TCLL 1,15 TC n/a n/a вс 999 TODE 10.0 1 15 0.03 Vert(CT) n/a Lumber DOL n/a WB 0.01 **BCLL** 0.0 Rep Stress Incr YES 0.13 Horz(CT) 14 n/a n/a FT = 20% Code IRC2015/TPI2014 Weight: 203 lb BCDL 10.0 Matrix-S LUMBER-BRACING-TOP CHORD 2x6 SP No.1 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, BOT CHORD 2x6 SP No.1 except end verticals. BOT CHORD WEBS 2x6 SP No.1 Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1 Row at midpl

OTHERS 2x4 SP No.2 WEDGE

Right: 2x4 SP No.2

REACTIONS. All bearings 22-9-8.

(lb) - Max Horz 26=-264(LC 13)

Max Uplift All uplift 100 lb or less at joint(s) 26, 22, 23, 24, 25, 20, 19, 18, 17,

16 except 14=-107(LC 11), 15=-139(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 26, 14, 21, 22, 23, 24, 25, 20,

19, 18, 17, 16, 15

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

TOP CHORD 13-14=-292/250

BOT CHORD 25-26=-197/257, 24-25=-197/257, 23-24=-197/257, 22-23=-197/257, 21-22=-196/256,

20-21=-196/256, 19-20=-196/256, 18-19=-196/256, 17-18=-196/256, 16-17=-196/256,

15-16=-196/256, 14-15=-196/256

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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For stude 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.
- 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 30,0psf 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) 26, 22, 23, 24, 25, 20, 19, 18, 17, 16 except (it=lb) 14=107, 15=139.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Dosign valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent localisates with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, eroction and bracing of trusses and truss systems, see ANSI/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply 158775768 J0623-2918 C2 COMMON Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:21 2023 Page 1 Comtech, Inc. Fayetteville, NC - 28314, ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 8-7-14 4-0-0 4-0-0 4-10-5 5-0-5 Scale = 1:54.7 4x6 = 4x6 < 7.00 12 5 4x8 🥢 11 12 10 13 4x4 = 6x8 = 3x4 | 5x8 = 5x8 = 3x10 || 8-7-14 17-6-3 4-7-14 4-0-0 4-10-5 Plate Offsets (X,Y)-- [4:0-3-0,Edge], [9:0-0-0,0-1-5], [9:0-3-6,0-4-0], [10:0-3-0,0-2-4], [12:0-3-0,0-2-4] PLATES GRIP LOADING (psf) SPACING-CSI. DEFL. (loc) f/defi L/d in 2-0-0 244/190 Vert(LL) -0,21 >999 360 MT20 Plate Grip DOL 0.53 10 1.15 TC TCLL 20.0 ВС -0.40 9-10 >657 240 TCDL 10.0 Lumber DOL 1.15 0.68 Vert(CT) WB 0.40 Horz(CT) 0.02 Rep Stress Incr YES n/a n/a BCLL 0.0 Weight: 183 lb FT = 20% Code IRC2015/TPI2014 Wind(LL) 0.18 9-10 >999 240 BCDL 10.0 Matrix-S

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1

2x4 SP No.2 *Except* WEBS

1-13,10-12; 2x6 SP No.1

WEDGE

Right: 2x4 SP No.2

REACTIONS.

(size) 13=Mechanical, 9=0-5-8

Max Horz 13=-200(LC 8)

Max Uplift 13=-39(LC 13), 9=-50(LC 13) Max Grav 13=1029(LC 20), 9=980(LC 20)

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

TOP CHORD 1-2=-981/196, 2-3=-900/268, 6-7=-757/241, 7-8=-1092/220, 8-9=-1403/287,

1-13=-1233/238

BOT CHORD 10-12=0/856, 9-10=-160/1135

WEBS 1-12=-142/1184, 7-10=0/447, 8-10=-481/230, 3-6=-872/242

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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-12 to 4-6-2, Interior(1) 4-6-2 to 8-7-14, Exterior(2) 8-7-14 to 12-9-10, Interior(1) 12-9-10 to 22-3-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 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 30.0psf 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) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 9.



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

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

except end verticals.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITEM connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building design rust verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and parameter tracing is always required for stability and to prevent collapse with possible personal injury and property amage. For general guidance regarding the fabrication, storage, delivery, crection and bracing of trusses and truss systems, see ANS/ITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Edenton, NC 27932

Qty Job Truss Truss Type Ply 158775769 J0623-2918 C2GE GABLE Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:23 2023 Page 1 Fayetteville, NC - 28314. Comtech, Inc. 1D:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 8-7-14 3-0-14 5-7-0 6-10-9 Scale = 1:54.3 5x5 = 3 4x6 <> 7.00 12 3×10 < 5 4x8 2x6 || 2x6 < 10 3-11-9 2x6 || 2x6 || 17 16 2x6 || 15 18 3x4 || 14 13 4x6 = 670×10 =8-7-14 0-5-7 2-7-7 15.4.8 5-7-0 6-8-10 7-0-1 Plate Offsets (X,Y)-- [4:0-1-9,Edge], [11:0-0-0,0-1-1], [11:0-3-6,0-4-0] **PLATES** GRIP LOADING (psf) SPACING-CSI. DEFL. (loc) i/defi L/đ 2-0-0 in 244/190 20.0 Plate Grip DOL TC 0.13 Vert(LL) -0.03 15-17 >999 360 MT20 TCLL 1.15 TCDL BC 0.22 Vert(CT) -0.06 15-17 >999 240 10.0 Lumber DOL 1.15 WB 0,26 Horz(CT) 0.01 BCLL Rep Stress Incr 11 n/a n/a 0.0 YES Weight; 209 lb FT = 20%Code IRC2015/TPI2014 Matrix-S Wind(LL) 0.01 17 >999 240 BCDL 10.0 **BRACING-**LUMBER-TOP CHORD 2x6 SP No.1 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, BOT CHORD 2x6 SP No.1 2x4 SP No.2 *Except* BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1-18,2-14: 2x6 SP No.1 JOINTS 1 Brace at Jt(s): 19, 20, 23 2x4 SP No.2 OTHERS WEDGE Right: 2x4 SP No.2 REACTIONS. All bearings 7-5-8 except (jt=length) 18=Mechanical, 15=0-3-8.

Max Horz 18=-268(LC 13)

Max Uplift All uplift 100 lb or less at joint(s) 12 except 18=-123(LC 12),

14=-285(LC 13), 13=-168(LC 13)

All reactions 250 to or less at joint(s) 11, 12 except 18=700(LC 1),

14=277(LC 1), 13=420(LC 20), 15=363(LC 3)

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

TOP CHORD 1-2=-571/172, 9-10=-272/144, 10-11=-345/165, 1-18=-654/193

17-18=-201/259, 15-17=-108/672, 14-15=-108/672, 13-14=-154/303, 12-13=-154/303. BOT CHORD

11-12=-154/303

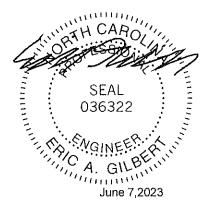
2-20=-454/212, 20-21=-416/193, 19-21=-498/243, 19-22=-650/349, 22-23=-743/414.

23-24=-759/425, 14-24=-798/452, 1-17=-54/464, 17-19=-334/254, 9-13=-330/230

NOTES-

WEBS

- 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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOI = 1.60
- 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.
- * This truss has been designed for a live load of 30,0psf 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.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 ib uplift at joint(s) 12 except (jt=lb) 18=123, 14=285, 13=168.



🚵 WARNING - Verily design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Dosign valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly demage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply 158775770 J0623-2918 D1 JACK-CLOSED Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:24 2023 Page 1 Comtech, Inc. Fayetteville, NC - 28314, ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 7-1-11 6-10-3 Scale = 1:71.3 2x4 6 7.00 12 3-10-0 4x8 🗸 12 5 4x6 < 2x4 || 6x8 = 5.50 12 2x6 || 4x6 = 4x8 ⋍ 20-10-7 3-4-14 6-10-9 Plate Offsets (X,Y)-- [8:0-3-4,0-3-0] **PLATES** GRIP LOADING (psf) SPACING-CSI. DEFL. in (loc) 1/defl i./d 2-0-0 9-10 MT20 244/190 Plate Grip DOL 0.52 Vert(LL) -0.16 >999 360 TC 20.0 1.15 TCLL 240 вс 0.51 Vert(CT) -0.31 9-10 >788 TODI 10.0 Lumber DOL 1.15 WB 0.53 Horz(CT) 0.04 n/a n/a YES **BCLL** 0.0 Rep Stress Incr 9-10 240 Weight: 162 lb FT = 20%Code (RC2015/TPI2014) Matrix-S Wind(LL) 0.17 >999 BCDL 10.0 BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

WEBS

TOP CHORD 2x6 SP No.1 BOT CHORD 2x8 SP No.1

2x4 SP No.2 *Except*

6-7: 2x4 SP No.1

REACTIONS.

(size) 2=0-5-8, 7=Mechanical Max Horz 2=413(LC 12) Max Uplift 7=-217(LC 12)

Max Grav 2=886(LC 1), 7=884(LC 19)

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

TOP CHORD 2-3=-3182/684, 3-5=-3153/835

BOT CHORD 2-10=-1066/3234, 9-10=-789/2412, 7-9=-786/2367 WEBS 5-10=-377/1014, 5-9=0/360, 5-7=-2165/708

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-5 to 3-7-8, Interior(1) 3-7-8 to 20-11-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 30.0psf 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.
- Refer to girder(s) for truss to truss connections.
- 5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (|t=|b|) 7=217.

SEAL 036322 minning, June 7,2023

Structural wood sheathing directly applied or 4-0-15 oc purlins.

5-7

Rigid ceiling directly applied or 8-7-7 oc bracing.

1 Row at midpt

🚵 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Dasign valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guildance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/ITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2870 Crain Highway, Suite 203 Waldorf, MD 20801



Job Truss Type Qty Ply Truss 158775771 J0623-2918 G1GE COMMON SUPPORTED GAB Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:26 2023 Page 1 Fayetteville, NC - 28314, Comtech, inc. ID:dlGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 13-4-0 -0-11-0 0-11-0 6-2-8 6-2-8 6-2-8 Scale = 1:34.2 5x5 === 6 9.00 12 4x4 4 4x4 🛇 3x6 || 3x6 || 16 15 14 13 12 12-5-0 LOADING (psf) L/d **PLATES GRIP** SPACING-2-0-0 CSI. DEFL I/defl in (loc) 244/190 20.0 Plate Grip DOL TC 0.02 Vert(LL) 0.00 10 n/t 120 MT20 TOLL 1.15 вс 0,02 Vert(CT) 0.00 10 n/r 120 TODL 10.0 Lumber DOL 1.15 WB 0.04 Horz(CT) 0.00 10 n/a n/a BCLL 0.0 Rep Stress Incr YES Weight: 99 lb FT = 20%Code IRC2015/TP!2014 Matrix-S BCDL 10.0 BRACING-LUMBER-TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. TOP CHORD 2x6 SP No.1 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

BOT CHORD 2x6 SP No.1

OTHERS 2x4 SP No.2 SLIDER

Left 2x4 SP No.2 1-6-11, Right 2x4 SP No.2 1-6-11

REACTIONS. All bearings 12-5-0.

Max Horz 2=157(LC 11) (lb) -

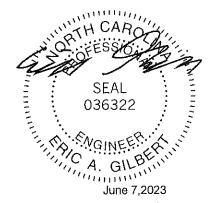
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 13 except 16=-160(LC 12), 12=-154(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip
- 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 30,0psf 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, 10, 15, 13 except (jt=lb) 16=160, 12=154.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 10.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITEMO connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/ITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Plv 158775772 J0623-2918 G1GRD Common Girder Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:27 2023 Page 1 Comtech, Inc. Fayetteville, NC - 28314, ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f 3-1-15 3-1-15 9-3-1 3-0-9 3-0-9 3-1-15 Scale = 1:34.2 5x5 = 3 9.00 12 2x4 🛇 2x4 4 1-1-1 7 8 9 10 4x8 8x8 =

Plate Offsets (X,Y)	[6:0-4-0,0-5-12]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL, in (loc) I/defl L/d PLATES GRIP	
TCLL 20.0	Plate Grip DOL 1,15	TC 0.39	Vert(LL) -0.03 5-6 >999 360 MT20 244/190	
TCDL 10.0	Lumber DOL 1.15	BC 0,48	Vert(CT) -0.05 5-6 >999 240	
BCUL 0,0 *	Rep Stress Incr NO	WB 0,37	Horz(CT) 0.01 5 n/a n/a	
BCOL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.02 5-6 >999 240 Weight: 190 lb FT = 20%	

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.1 BOT CHORD 2x8 SP No.1 WEBS 2x4 SP No.2

WEDGE

Left: 2x4 SP No.2 , Right; 2x4 SP No.2

REACTIONS.

(size) 1=0-5-8, 5=0-5-8 Max Horz 1=-124(LC 25)

Max Uplift 1=-180(LC 8), 5=-174(LC 9) Max Grav 1=2729(LC 2), 5=2641(LC 2)

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

TOP CHORD 1-2=-2756/212, 2-3=-2688/231, 3-4=-2688/231, 4-5=-2755/211

BOT CHORD 1-6=-161/1961, 5-6=-116/1958

WEBS 3-6=-210/2988, 4-6=-119/289, 2-6=-118/285

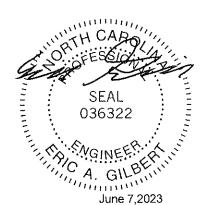
NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf, BCDL=6.0psf, h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=180, 5=174.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 907 lb down and 71 lb up at 2-0-12, 907 lb down and 71 lb up at 4-0-12, 907 lb down and 71 lb up at 4-0-12, 907 lb down and 71 lb up at 8-0-12, and 907 lb down and 71 lb up at 10-0-12 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: 1-3=-60, 3-5=-60, 1-5=-20



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

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

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate Inits design into design indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job		Truss	Truss Type	Qty	Ply	158775772
J0623-2918		G1GRD	Common Girder	1	2	
Comtech, la	nc, Fayette	 ville, NC - 28314,				Job Reference (optional) in 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:27 2023 Page 2

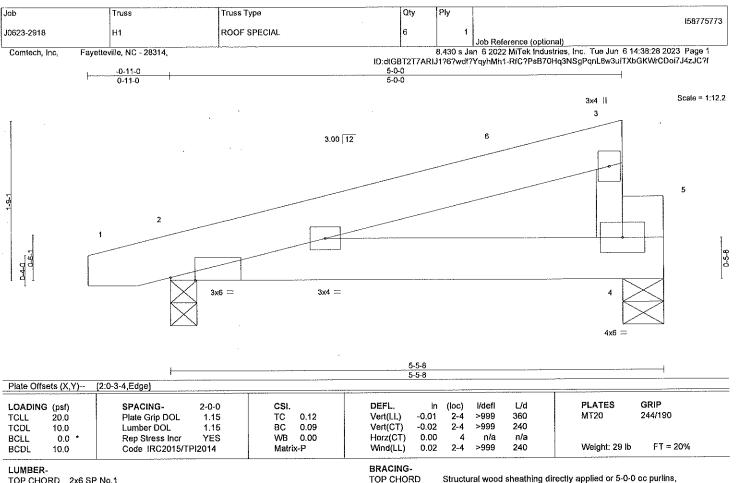
8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:27 2023 Page 2 ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 6=-873(B) 7=-873(B) 8=-873(B) 9=-873(B) 10=-873(B)

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2x6 SP No.1 TOP CHORD BOT CHORD 2x6 SP No.1 2x4 SP No 2 WEBS 2x6 SP No.1

except end verticals.

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

REACTIONS.

OTHERS

(size) 2=0-3-8, 4=0-5-8

Max Horz 2=47(LC 8)

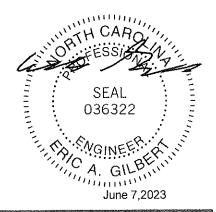
Max Uplift 2=-100(LC 8), 4=-75(LC 8)

Max Grav 2=245(LC 1), 4=182(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-11 to 3-9-2, Interior(1) 3-9-2 to 4-10-4 zone; porch 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.
- * This truss has been designed for a live load of 30.0psf 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb)

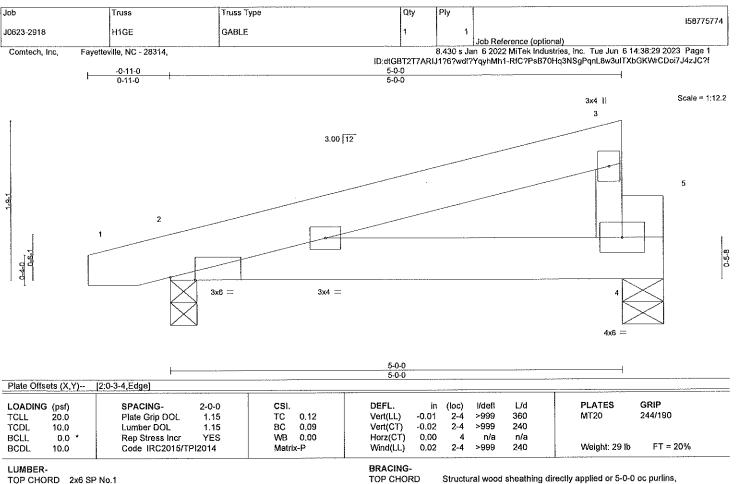


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ANS/ITP/1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801





BOT CHORD 2x6 SP No.1 2x4 SP No.2 WEBS **OTHERS** 2x6 SP No.1

BOT CHORD

except end verticals.

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

REACTIONS.

(size) 2=0-3-8, 4=0-5-8

Max Horz 2=66(LC 8)

Max Uplift 2=-146(LC 8), 4=-108(LC 8) Max Grav 2=248(LC 1), 4=180(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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.

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

- 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 30.0psf 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) except (jt=lb) 2=146, 4=108.



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Job	Truss	Truss Type	Qty	Ply			150775775
J0623-2918	H2	ROOF SPECIAL	3	1			158775775
					ference (optional)		
Comtech, Inc,	Fayetteville, NC - 28314,					Fue Jun 6 14:38:30 2023 nL8w3ulTXbGKWrCDoi7.	
	-0-11-0		7-0-0	i i ro rwui r i yyi swai	1-1410 (1 appropriedated) d	ILLOWSOIT ABOILT WEDON	74200:1
	-0-11-0 0-11-0	F 94 - 11/18/04/1 - 1	7-0-0				
						\$	Scale: 3/4"=1"
						3x4 []	
						3	
		3	3.00 12				
			7				
7							
2-3-1							
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1 1	1	- A					ı
1.6							18. 18.
0-4-0 0-8-1	-						8,50
· q ·	3v6	3 = 3x4 =				. 🔀	
						4	
						4x6 =	
			7-5-8			1	
	<u> </u>		7-5-8	******			
Plate Offsets (X,	/) [2:0-3-4,Edge]		1				
LOADING (psf)	SPACING-	2-0-0 CSI.	DEFL. in	(loc) I/defi	L/d PL	ATES GRIP	
TCLL 20.0	Plate Grip DOL	1.15 TC 0.28	Vert(LL) -0.03	2-4 >999	360 MT	20 244/190	
TCDL 10.0	Lumber DOL	1,15 BC 0.19	Vert(CT) -0.06		240		
BCLL 0.0 BCDL 10,0	* Rep Stress Incr Code IRC2015/T	YES WB 0.00 Pl2014 Matrix-P	Horz(CT) 0.00 Wind(LL) 0.07		n/a 240 We	ight: 40 lb FT = 20	10%
DODL 10,0	Code IRC2015/1	FIZU14 WAUX-P	VVIIIu(LL) 0.07	2-4 /555	240 VVC	igiii. +0 ib 1 ™ 20	
LUMBER-			BRACING-				
	x6 SP No.1		TOP CHORD		sheathing directly appli	ed or 6-0-0 oc purlins,	
BOT CHORD 2	x6 SP No.1			except end verti	icals.		

WEBS 2x4 SP No.2 OTHERS 2x6 SP No.1

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

REACTIONS.

(size) 2=0-3-8, 4=0-5-8

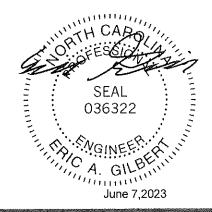
Max Horz 2=63(LC 8)

Max Uplift 2=-129(LC 8), 4=-108(LC 8) Max Grav 2=324(LC 1), 4=263(LC 1)

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

NOTES-

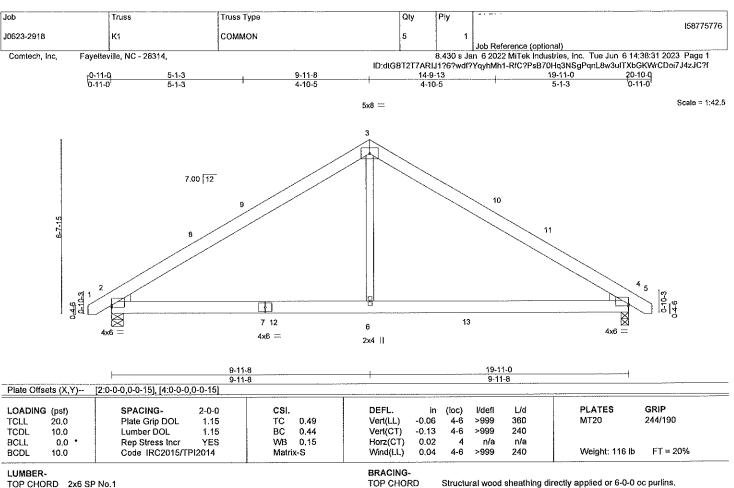
- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-7-11 to 3-9-2, Interior(1) 3-9-2 to 6-10-4 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate 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 30,0psf 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=129, 4=108.



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ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





BOT CHORD

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

TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1 WEBS 2x4 SP No.2

WEDGE

Left: 2x4 SP No.3, Right: 2x4 SP No.3

REACTIONS.

(size) 2=0-5-8, 4=0-3-8 Max Horz 2=-150(LC 10)

Max Uplift 2=-57(LC 12), 4=-56(LC 13) Max Grav 2=954(LC 19), 4=948(LC 20)

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

TOP CHORD 2-3=-1214/215, 3-4=-1210/215 BOT CHORD 2-6=-23/947, 4-6=-23/947

WEBS 3-6=0/658

NOTES-

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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-5 to 3-7-8, Interior(1) 3-7-8 to 9-11-8, Exterior(2) 9-11-8 to 14-4-5, Interior(1) 14-4-5 to 20-8-5 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads,
- 4) * This truss has been designed for a live load of 30.0psf 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.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITOK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of Individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/ITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Ply Truss Truss Type Qty 158775777 J0623-2918 K1GE GABLE Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:33 2023 Page 1 Fayetteville, NC - 28314, Comtech, Inc. ID:dtGBT2T7ARIJ176?wdf?YgyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 9-11-8 9-11-8 <u> 19-11-0</u> Scale = 1:43.2 5x5 =

8 6 7.00 12 10 11 3x4 == 3x4 20 17 16 15 14 22 21 18

19-11-0 19-11-0 Plate Offsets (X,Y)--[20:0-4-0,0-4-8] **PLATES** GRIP LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) l/defl IJd -0.00 120 MT20 244/190 TCLL 20.0 Plate Grip DOL 1.15 TC 0.03 Vert(LL) 12 n/r Vert(CT) 0.00 120 TODL 10.0 Lumber DOL 1.15 BC 0.02 12 n/r WB 0.07 12 BCLL 0.0 Rep Stress Incr YES Horz(CT) 0.00 n/a n/a

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

BCOL

TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1 2x4 SP No.2 OTHERS

10.0

WEDGE

Left: 2x4 SP No.3, Right: 2x4 SP No.3

REACTIONS. All bearings 19-11-0. (lb) -

Max Horz 2=-188(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 20, 21, 17, 16, 15 except 22=-110(LC 12),

8x8 =

Matrix-S

14=-103(LC 13)

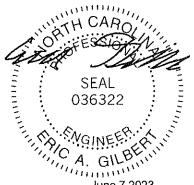
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 18, 19, 20, 21, 22, 17, 16, 15, 14

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

Code IRC2015/TPI2014

NOTES.

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vuit=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip
- 3) Truss designed for wind loads in the plane of the truss only. For stude 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 30.0psf 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, 12, 19, 20, 21, 17, 16, 15 except (it=lb) 22=110, 14=103.



Weight: 150 lb

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

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

FT = 20%

June 7,2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE Dosign valid for use only with MITEM connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to provent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, credion and bracing of trusses and truss systems, see ANS/ITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801



Qty dol Truss Truss Type Plv 158775778 J0623-2918 N1GRD FLAT GIRDER Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:35 2023 Page 1 Fayetteville, NC - 28314, Comtech, Inc. ID:dtGBT2T7ARIJ1?6?wdt?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3utTXbGKWrCDoi7J4zJC?f Scale = 1:26.1 2x4 || 4x12 = 3x4 || 2 3 \sim \bowtie \times X \times \bowtie \times 12 14 15 9 10 11 13 6 7 4x12 || 10x10 = 8x8 = 5x8 | 5-0-3 Plate Offsets (X,Y)--[7:0-3-12,0-6-12] **PLATES** LOADING (psf) SPACING-CSI. DEFL. I/defl L/d GRIP 2-0-0 ìn (loc) 244/190 20.0 Plate Grip DOL 0,26 Vert(LL) -0.07 >999 360 MT20 TC 6-7 TCLL 1.15 TCDL Lumber DOL BC 0.36 Vert(CT) -0.14 6-7 >999 240 10.0 1.15 Rep Stress Incr WB 0.94 Horz(CT) 0.02 5 n/a BCLL 0.0 NO n/a Code IRC2015/TPI2014 Weight: 256 lb FT = 20%**BCDL** 10,0 Matrix-S Wind(LL) 0.07 6-7 >999 240 **BRACING-**

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.1 **BOT CHORD** 2x8 SP 2400F 2.0E 2x4 SP No.1 *Except* WEBS

1-8,4-5; 2x6 SP No.1, 2-7,3-6; 2x4 SP No.2

REACTIONS.

(size) 5=0-3-8, 8=0-3-8 Max Uplift 5=-1144(LC 4), 8=-1360(LC 4) Max Grav 5=5957(LC 1), 8=6516(LC 1)

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

TOP CHORD 1-8=-4808/895, 1-2=-7189/1305, 2-3=-7189/1305

BOT CHORD 6-7=-1370/7116, 5-6=-1370/7116

WEBS 1-7=-1513/8321, 3-7=0/444, 3-6=-830/4228, 3-5=-8237/1585

NOTES-

- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
- 4) Provide adequate drainage to prevent water ponding
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=1144, 8=1360,
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 636 lb down and 328 lb up at

0-2-12, 811 lb down and 237 lb up at 2-4-12, 984 lb down and 59 lb up at 2-7-4, 811 lb down and 237 lb up at 4-4-12, 984 lb down and 59 lb up at 4-7-4, 811 lb down and 237 lb up at 6-4-12, 984 lb down and 59 lb up at 6-7-4, 811 lb down and 237 lb up at 8-4-12, 680 lb down and 143 lb up at 8-7-4, 811 lb down and 237 lb up at 9-6-4, 566 lb down and 63 lb up at 9-6-4, 811 lb down and 237 lb up at 11-6-4, 566 lb down and 63 lb up at 11-6-4, and 811 lb down and 237 lb up at 13-6-4, and 566 lb down and 63 lb up at 13-6-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

SEAL 036322 GILBER June 7,2023

2-0-0 oc purlins (6-0-0 max.): 1-4, except end verticals.

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

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2870 Crain Highway, Suite 203 Waldorf, MD 20801



		The state of the s		
Job Truss	Truss Type	Qty P	'iy	
				158775778
J0623-2918 N1GR	D FLAT GIRDER	1	2	
L				Job Reference (optional)

Comtech, Inc.

Fayetteville, NC - 28314,

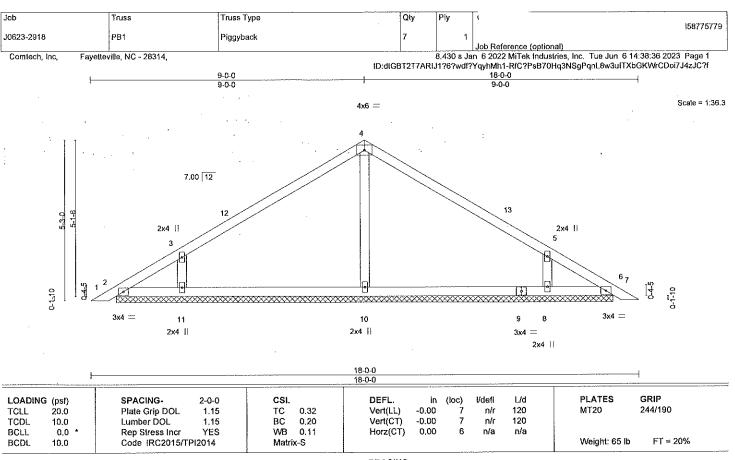
8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:35 2023 Page 2 ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

LOAD CASE(S) Standard

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

Dead + Roof Live (parances): Lumber inclease-1. 10, 1 late inclease-





LUMBER-

TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.1

OTHERS 2x4 SP No.2 **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. All bearings 16-3-11,

Max Horz 2=122(LC 11) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 11=-122(LC 12), 8=-121(LC 13)

All reactions 250 lb or less at joint(s) 2, 6 except 10=412(LC 1), 11=461(LC 19), 8=460(LC 20)

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

WEBS

4-10=-283/63, 3-11=-397/247, 5-8=-398/249

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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-3-8 to 4-8-4, Interior(1) 4-8-4 to 9-0-0, Exterior(2) 9-0-0 to 13-4-13, Interior(1) 13-4-13 to 17-8-8 zone; 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 30.0psf 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) 2, 6 except (jt=lb) 11=122, 8=121.
- 7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building



WARNING - Venity design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly amage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/ITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Edenton, NC 27932

DECTRICATION PRICE GABLE 1 1 1 1 1 1 1 1 1	lob			Truss	Truss Type		Qty	Ply					1503	775700
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LUMBER-

TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.1

OTHERS 2x4 SP No.2

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. All bearings 18-0-0.

(lb) - Max Horz 1=-152(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 1, 11, 2, 17, 18, 19, 15, 14, 12, 10

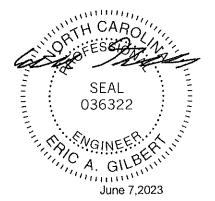
Max Grav All reactions 250 lb or less at joint(s) 1, 11, 2, 16, 17, 18, 19, 15, 14, 12, 10

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; Vull=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; 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 30.0psf 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) 1, 11, 2, 17, 18, 19, 15, 14, 12, 10.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, defivery, crection and bracing of fuseses and truss systems, see

ANSI/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Edenton, NC 27932

					FORWARD TO THE PROPERTY OF THE	
Job	Truss	Truss Type	Qty	Plv		
			1	1	i	158775781
			1			100110101
J0623-2918	VA1	GABLE	1	[1		
					Job Reference (optional)	
Comtech, Inc. Fayette	rille, NC - 28314,		•	8.430 s Ja	in 6 2022 MiTek Industries, Inc. Tue Jun 6 14	4:38:40 2023 Page 1

ID:dlGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 10-10-3

Scale = 1:67.0

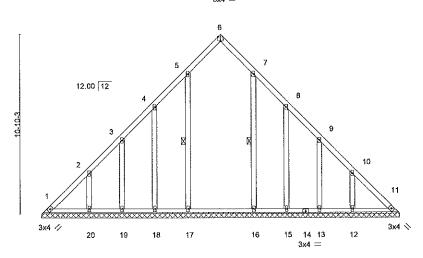


Plate Offs	sets (X,Y)	[6:0-2-0,Edge], [7:0-0-0,0)-0-0], [8:0-0-0	0,0-0-0], [9:0-	0-0,0-0-0], [1	10:0-0-0,0-0-0]						· · · · · · · · · · · · · · · · · · ·
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	Vdefi	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
CDL.	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
3CLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	11	n/a	n/a		
BCDL 10.0		Code IRC2015/TPI2014		Matrix-S							Weight: 140 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No 1 BOT CHORD 2x4 SP No.1 2x4 SP No 2 OTHERS

BRACING-

TOP CHORD BOT CHORD WEB\$

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

Rigid ceiling directly applied or 10-0-0 oc bracing. 5-17, 7-16

1 Row at midpt

REACTIONS. All bearings 21-8-6.

(lb) - Max Horz T=-315(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 1, 11, 16 except 17=-102(LC 12), 18=-161(LC 12), 19=-122(LC 12), 20=-185(LC 12), 15=-165(LC 13), 13=-121(LC 13), 12=-185(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 18, 19, 20, 15, 13, 12 except 1=346(LC 12), 11=341(LC 13), 17=355(LC 19), 16=346(LC 20)

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

TOP CHORD 1-2=-524/359, 2-3=-359/220, 9-10=-352/220, 10-11=-517/359

BOT CHORD 1-20=-280/411, 19-20=-280/411, 18-19=-280/411, 17-18=-280/411, 16-17=-280/411,

15-16=-280/411, 13-15=-280/411, 12-13=-280/411, 11-12=-280/411

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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 16 except (Jt=Ib) 17=102, 18=161, 19=122, 20=185, 15=165, 13=121, 12=185.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MTEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly design. Properly design and the overall building designer must verify the applicability of the overall design parameters and properly design. Properly design and the overall design parameters are designed to the overall design parameters and properly design parameters and properly design parameters and properly design parameters and properly design parameters. Properly design parameters and properly design parameters and



Job Truss Truss Type Qty Ply 158775782 J0623-2918 VA2 VALLEY Job Reference (optional) 8.430 s Jan 6 2022 MTek Industries, Inc. Tue Jun 6 14:38:41 2023 Page 1 ID:dtGBT2T7ARIJ176?wdf?YqyhMh1-RtC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Fayetteville, NC - 28314, Comtech, Inc. 9-8-3 9-8-3 Scale = 1:58.6 4x4 = 3 12.00 12 _{2x4} || 2x4 | 12 13 3x4 // 3x4 \ 3x4 = 2x4 | 12x4 || 2x4 || 19-4-6 19-4-6 Plate Offsets (X,Y)-- [4:0-0-0,0-0-0] LOADING (psf) SPACING-CSI. DEFL. L/d **PLATES GRIP** ìn I/defi 2-0-0 (loc) Plate Grip DOL Vert(LL) 999 MT20 244/190 20.0 1.15 0.30 TC n/a n/a TCLL TCDL 999 10.0 Lumber DOL 1.15 BC 0.17 Vert(CT) n/a n/a YES 0.25 5 **BCLL** 0.0 Rep Stress Incr WB 0.00 Horz(CT) n/a n/a Weight: 97 lb FT = 20% **BCDL** 10.0 Code IRC2015/TPI2014 Matrix-S BRACING-LUMBER-TOP CHORD 2x4 SP No.1 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD 2x4 SP No.1 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 3-8 OTHERS 2x4 SP No.2 1 Row at midpt REACTIONS. All bearings 19-4-6. (ib) - Max Horz 1=-224(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 1 except 9=-241(LC 12), 6=-241(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=404(LC 22), 9=614(LC 19), 6=614(LC 20)

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

WEBS

2-9=-518/376, 4-6=-518/376

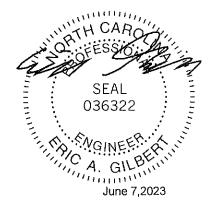
NOTES-

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

2) Wind: ASCE 7-10; Vull=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 9-8-3, Exterior(2) 9-8-3 to 14-1-0, Interior(1) 14-1-0 to 19-0-2 zone; 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 30.0psf 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) 1 except (jt=lb) 9=241, 6=241.



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Job Truss Truss Type Qty Piy 158775783 J0623-2918 VA3 VALLEY Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:43 2023 Page 1 Comtech, Inc. Fayetteville, NC - 28314, ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f 8-6-3 8-6-3 Scale = 1:54.5 4x4 == 3 12.00 12 2x4 [] 2x4 || 11 3x4 N 3x4 / 9 8 7 6 3x4 = 2x4 2x4 11 2x4 || 17-0-6 17-0-6 Plate Offsets (X,Y)-- [4:0-0-0,0-0-0] DEFL. L/d **PLATES** GRIP CSI. l/defi LOADING (psf) SPACING-2-0-0 ìn (loc) 244/190 999 MT20 Plate Grip DOL 0.20 Vert(LL) TCLL 20.0 1.15 TC n/a n/a 999 BC. Vert(CT) n/a TODL 10.0 Lumber DOL 1 15 0.18 n/a 5 0.16 0.00 BCLL 0.0 Rep Stress Incr YES WB Horz(CT) n/a n/a Code IRC2015/TPI2014 Weight: 83 lb FT = 20% BCDL 10.0 Matrix-S

LUMBER-

TOP CHORD 2x4 SP No 1 2x4 SP No.1 BOT CHORD 2x4 SP No.2 OTHERS

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. All bearings 17-0-6.

(lb) - Max Horz 1=-196(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 1 except 9=-205(LC 12), 6=-205(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=416(LC 22), 9=532(LC 19), 6=532(LC 20)

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

2-9=-441/329, 4-6=-441/329 WEBS

NOTES-

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

- 2) Wind: ASCE 7-10; Vuit=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-6-3, Interior(1) 4-6-3 to 8-6-3, Exterior(2) 8-6-3 to 12-11-0, Interior(1) 12-11-0 to 16-8-2 zone; 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 30.0psf 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) 1 except (jt=lb) 9=205, 6=205.

036322 minimi June 7,2023

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Job Truss Truss Type Qty Ply 158775784 VALLEY J0623-2918 VA4 Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:44 2023 Page 1 Fayetteville, NC - 28314, Comtech, Inc, ID:dtGBT2T7ARIJ176?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 14-8-6 7-4-3 Scale = 1:44.9 3 12.00 12 2x4 || 2x4 | 2 12 9 3x4 // 7 14 6 8 2x4 || 2x4 || 2x4 [] 14-8-6 14-8-6 Plate Offsets (X,Y)-- [4:0-0-0,0-0-0] DEFL. L/d **PLATES** GRIP l/defl LOADING (psf) SPACING-2-0-0 CSL in (loc) 244/190 MT20 0.15 TC BC Vert(LL) 999 TCLL 20.0 Plate Grip DOL 1.15 n/a n/a Vert(CT) n/a 999 TODL 10.0 Lumber DOL 1.15 0.18 n/a 0.00 5 **BCLL** 0.0 Rep Stress Incr YES WR 0.12 Horz(CT) n/a n/a FT = 20% Weight: 70 lb BCDL 10.0 Code IRC2015/TPI2014 Matrix-S BRACING-LUMBER-TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. TOP CHORD 2x4 SP No.1

2x4 SP No.1 BOT CHORD 2x4 SP No.2 OTHERS

BOT CHORD

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

REACTIONS. All bearings 14-8-6.

(lb) - Max Horz 1=-168(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-176(LC 12), 6=-176(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=409(LC 22), 8=432(LC 19), 6=432(LC 20)

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

2-8=-383/299, 4-6=-383/299 WEBS

NOTES-

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

- 2) Wind: ASCE 7-10; Vuit=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 7-4-3, Exterior(2) 7-4-3 to 11-9-0, Interior(1) 11-9-0 to 14-4-2 zone; 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 30,0psf 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) 1, 5 except (jt=lb) 8=176, 6=176.





Qty Job Truss Type Truss Ply 158775785 J0623-2918 VA5 VALLEY Job Reference (optional) 8,430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:45 2023 Page 1 Comtech, Inc. Fayetteville, NC - 28314, ID:dtGBT2T7ARtJ1?6?wdl?YgyhMh1-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f 6-2-3 6-2-3 Scale = 1;39.7 4x4 == 3 12.00 12 2x4 || 2x4 || 12 9 3x4 📏 3x4 // 2x4 || 2x4 II 2x4 || 12-4-6 Plate Offsets (X,Y)-- [4:0-0-0,0-0-0] **PLATES** LOADING (psf) SPACING-2-0-0 CSI. DEFL. in I/defl L/d GRIP (loc) 244/190 TCLL 20.ó Plate Grip DOL 1.15 TC 0.14 Vert(LL) 999 MT20 n/a n/a TODL 1.15 BC 0.09 Vert(CT) n/a n/a 999 10.0 Lumber DOL **BCLL** 0.0 Rep Stress Incr YE\$ WB 0.08 0.00 5 n/a n/a Horz(CT) Code IRC2015/TPI2014 Weight: 56 lb FT = 20% BCDL 10.0 Matrix-S BRACING-LUMBER-

TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.1 OTHERS 2x4 SP No.2 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. All bearings 12-4-6.

(lb) - Max Horz 1=-140(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-160(LC 12), 6=-160(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=339(LC 19), 6=339(LC 20)

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

WEBS 2-8

2-8=-355/292, 4-6=-355/292

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=15ft; Cat. It; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 6-2-3, Exterior(2) 6-2-3 to 10-7-0, Interior(1) 10-7-0 to 12-0-2 zone; 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 30.0psf 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=160, 6=160.



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Job Truss Truss Type Qty Ply 158775786 J0623-2918 VA6 VALLEY Job Reference (optional) 8,430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:46 2023 Page 1 Comtech, Inc. Fayetteville, NC - 28314, ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ufTXbGKWrCDoi7J4zJC?f 5-0-3 5-0-3 Scale = 1:30.9 4x4 = 2 12.00 12 3x4 // 3x4 N 2x4 || 10-0-6 10-0-6 LOADING (psf) L/d **PLATES** GRIP SPACING-DEFL. in l/defl 2-0-0 CSI. (loc) 244/190 n/a 999 MT20 TCLL 20.0 Plate Grip DOL 1 15 TC. 0.24 Vert(LL) n/a 999 BC Vert(CT) TCDL 10.0 Lumber DOL 1.15 0.16 n/a n/a Rep Stress Incr WB 0.00 3 BCLL 0.0 YES 0.07 Horz(CT) n/a n/a Weight: 41 lb FT = 20% Code IRC2015/TPI2014 Matrix-S BCDL 10.0 BRACING-LUMBER-TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. TOP CHORD 2x4 SP No.1 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

BOT CHORD 2x4 SP No.1

OTHERS 2x4 SP No.2

(size) 1=10-0-6, 3=10-0-6, 4=10-0-6

Max Horz 1=-112(LC 8)

Max Uplift 1=-28(LC 13), 3=-28(LC 13)

Max Grav 1=212(LC 1), 3=211(LC 1), 4=323(LC 1)

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

REACTIONS.

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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; 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.

- 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 30.0psf 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.

SEAL 036322 mingray. June 7,2023

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Job Truss Type Qty Ply Truss 158775787 J0623-2918 VA7 VALLEY Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:47 2023 Page 1 Fayetteville, NC - 28314, Comtech, Inc. ID:dtG8T2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 3-10-3 3-10-3 7-8-6 3-10-3 Scale = 1:26.4 4x4 = 2 12.00 12 3 3x4 🚿 3x4 / 2x4 || 7-8-6 7-8-6 LOADING (psf) SPACING-2-0-0 CSI. DEFL (loc) l/defl L/d **PLATES** GRIP 999 MT20 244/190 TCLL 20.0 Plate Grip DOL 1.15 TC 0.21 Vert(LL) n/a n/a 0,09 999 TCDL 10.0 Lumber DOL 1.15 ВС Vert(CT) n/a n/a WB. 0.00 0,0 Rep Stress Incr YES 0,03 Horz(CT) 3 n/a n/a BCLL Code IRC2015/TPI2014 Weight: 31 lb FT = 20%BCDL 10.0 Matrix-P LUMBER-BRACING-TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. TOP CHORD 2x4 SP No.1 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

BOT CHORD 2x4 SP No.1

OTHERS 2x4 SP No.2

REACTIONS. (size) 1=7-8-6, 3=7-8-6, 4=7-8-6

Max Horz 1=-84(LC 8)

Max Uplift 1=-30(LC 13), 3=-30(LC 13)

Max Grav 1=170(LC 1), 3=170(LC 1), 4=219(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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;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 30.0psf 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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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. AM WARNING - Verity design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MITTAT RW. 5793220 BEFORE VSE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an incividual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent ocliapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/ITP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801



Job Qty Ply Truss Truss Type 158775788 J0623-2918 VA8 VALLEY Job Reference (optional) 8,430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:48 2023 Page 1 Comtech, Inc. Fayetteville, NC - 28314, ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3uiTXbGKWrCDoi7J4zJC?f 2-8-3 2-8-3 Scale = 1:19.2 4x4 = 2 12.00 12 2x4 || 3x4 N 3x4 // 5-4-6 5-4-6LOADING (psf) SPACING-CSI. DEFL l/defl L/d **PLATES** GRIP 2-0-0 (loc) MT20 244/190 TCLL 20.0 Plate Grip DOL 1.15 TC 0.09 Vert(LL) n/a n/a 999 TCDL 10,0 Lumber DOL 1.15 вс 0.04 Vert(CT) n/a n/a 999 WB 0.01 3 **BCLL** 0.0 Rep Stress Incr YES Horz(CT) 0.00 n/a n/a Weight: 21 lb FT = 20%BCDL Code IRC2015/TPI2014 Matrix-P 10.0 BRACING-LUMBER-TOP CHORD Structural wood sheathing directly applied or 5-4-6 oc purlins. TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.1 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. OTHERS 2x4 SP No.2

(size) 1=5-4-6, 3=5-4-6, 4=5-4-6

Max Horz 1=-56(LC 8)

Max Uplift 1=-20(LC 13), 3=-20(LC 13)

Max Grav 1=114(LC 1), 3=113(LC 1), 4=146(LC 1)

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

NOTES-

REACTIONS.

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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tail 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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June 7,2023

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Qty Ply Job Truss Truss Type 158775789 J0623-2918 VA9 VALLEY Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:49 2023 Page 1 Comtech, Inc. Fayetteville, NC - 28314, ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 1-6-3 1-6-3 Scale = 1:10.4 3x4 = 2 12.00 12 3 3x4 // 3x4 N 3-0-6 Plate Offsets (X,Y)-- [2:0-2-0,Edge] **PLATES** GRIP LOADING (psf) SPACING-CSI. DEFL. I/defl L/d 2-0-0 in (loc) 244/190 Plate Grip DOL 0.02 Vert(LL) 999 MT20 20.0 TC 1.15 n/a n/a TCLL TCDL BC 0,05 Vert(CT) n/a n/a 999 10.0 Lumber DOL 1.15 WB 0,00 Horz(CT) 0.00 3 n/a Rep Stress Incr YES n/a BCLL. 0.0 Weight: 10 lb FT = 20%BCDL. Code IRC2015/TPI2014 Matrix-P 10.0 BRACING-LUMBER-TOP CHORD

BOT CHORD

REACTIONS.

TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.1

(size) 1=3-0-6, 3=3-0-6

Max Horz 1=-28(LC 8)

Max Uplift 1=-3(LC 12), 3=-3(LC 12) Max Grav 1=93(LC 1), 3=93(LC 1)

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

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

2) Wind: ASCE 7-10; Vull=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; 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 30.0psf 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.

SEAL 036322 minimum. June 7,2023

Structural wood sheathing directly applied or 3-0-6 oc purlins.

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

WARNING - Venify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Beg. MANCHING - Venty design parameters and READ ROTES ON THIS ARD INCLUDED MITER REFERENCE PAGE MILTATS IOV. 5719/2020 BEFORE USE.

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Ply Job Truss Type Qty Truss 158775790 J0623-2918 VG1 GABLE Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:50 2023 Page 1 Comtech, Inc. Fayetteville, NC - 28314, ID:dIGBT2T7ARIJ1?6?wdf?YgyhMh1-RfC?PsB70Hq3NSgPqnL8w3ufTXbGKWrCDoi7J4zJC?f 10-3-11 Scale: 1/4"=1" 4x4 = 5 9.00 12 10 3x4 N 12 13 11 17 3×4 = 20-7-6 20-7-6 LOADING (psf) DEFL. I/defl 1./d **PLATES** GRIP SPACING-CSI. (loc) 2-0-0 MT20 244/190 Plate Grip DOL 1.15 TC 0.11 Vert(LL) n/a n/a 999 TCLL 20.0 999 вс 0.07 Vert(CT) n/a n/a Lumber DOL 1.15 TCDL 10.0 0,00 10 Rep Stress Incr WB 0.15 Horz(CT) n/a n/a BCLL 0.0 YES Weight: 115 lb FT = 20% Code IRC2015/TPI2014 Matrix-S BCDL 10.0 **BRACING-**LUMBER-TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.1 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. **OTHERS** 2x4 SP No.2

REACTIONS. All bearings 20-7-6.

(lb) - Max Horz 1=-222(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 1, 10, 17, 15, 12 except 18=-170(LC 12), 19=-175(LC 12),

14=-102(LC 13), 11=-107(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 10, 16, 17, 15, 14, 12, 11 except 18=308(LC 19), 19=319(LC 19)

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

TOP CHORD 1-2=-252/187

WEBS 3-18=-267/211, 2-19=-276/219

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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tail by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 10, 17, 15, 12 except (jt=lb) 18=170, 19=175, 14=102, 11=107.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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Job Truss Type Qty Truss Ply 158775791 J0623-2918 VG2 Valley Job Reference (optional) Fayetteville, NC - 28314, 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:52 2023 Page 1 Comtech, Inc. ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 8-9-0 8-9-0 Scale = 1:42.3 4x4 == 9.00 12 2x4 | 2x4 || 2 11 10 3x4 4 3x4 🛇 9 6 3x4 == 2x4 [] 2x4 || 2x4 || 17-6-1 17-6-1 LOADING (psf) SPACING-2-0-0 CSI. DEFL. L/d **PLATES** in l/defl (loc) 244/190 TÇLL 20.0 Plate Grip DOL 1.15 TC 0.19 Vert(LL) n/a n/a 999 MT20 BC TCDL 10.0 Lumber DOL 1.15 0.17 Vert(CT) 999 n/a n/a **BCLL** WB 0.10 5 0.0 Rep Stress Incr Horz(CT) 0.00 n/a n/a Code IRC2015/TPI2014 Weight: 75 lb FT = 20% BCDL 10.0 Matrix-S LUMBER-BRACING-TOP CHORD 2x4 SP No.1 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD 2x4 SP No.1 **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing. OTHERS 2x4 SP No.2 REACTIONS. All bearings 17-6-1.

(ib) - Max Horz 1=-149(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 1 except 9=-138(LC 12), 6=-138(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=412(LC 22), 9=484(LC 19), 6=486(LC 20)

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

WEB\$

2-9=-374/248, 4-6=-374/248

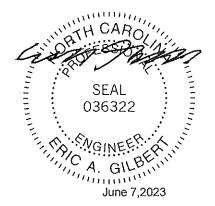
NOTES-

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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-4 to 4-9-0, Interior(1) 4-9-0 to 8-9-0, Exterior(2) 8-9-0 to 13-1-13, Interior(1) 13-1-13 to 17-0-13 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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 five load of 30.0psf 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) 1 except (jt=lb) 9=138. 6=138.



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Job Truss Type Qty Ρly Truss 158775792 J0623-2918 VG3 Valley Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:53 2023 Page 1 Comtech, Inc. Fayetteville, NC - 28314, ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ufTXbGKWrCDoi7J4zJC?f 7-2-6 7-2-6 Scale = 1:34.3 4x4 ----3 9.00 12 10 2x4 | 2x4 || 12 3x4 🛷 8 6 2x4 || 2x4 || 2x4 || 14-4-11 14-4-11 LOADING (psf) SPACING-DEFL. **PLATES** 2-0-0 CSI. in I/defi L/d (loc) 244/190 TCLL 20.0 Plate Grip DOL 1.15 TC 0.13 Vert(LL) n/a n/a 999 MT20 TCDL 10.0 Lumber DOL 1.15 BC 0.09 Vert(CT) n/a n/a 999 WB BCLL. 0.0 Rep Stress Incr YES 0.07 Horz(CT) 0.00 5 n/a n/a Weight: 59 lb FT = 20% BCDL 10.0 Code IRC2015/TPI2014 Matrix-S BRACING-LUMBER-TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.1 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. OTHERS

2x4 SP No.2

REACTIONS. All bearings 14-4-11.

(ib) - Max Horz 1=-122(LC 8)

Max Uplift All uplift 100 b or less at joint(s) 1 except 8=-114(LC 12), 6=-114(LC 13) Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=348(LC 19), 6=348(LC 20)

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

WEBS

2-8=-310/220, 4-6=-310/220

NOTES-

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

2) Wind: ASCE 7-10; Vuit=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-4 to 4-10-1, Interior(1) 4-10-1 to 7-2-6, Exterior(2) 7-2-6 to 11-7-2, Interior(1) 11-7-2 to 13-11-7 zone; 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 30.0psf 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 except (it=lb) 8=114, 6=114.



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Job Truss Truss Type Qty Ρly 158775793 J0623-2918 VG4 Valley Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:54 2023 Page 1 Comtech, Inc, Fayetteville, NC - 28314, ID:dtGBT2T7ARiJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Scale = 1:27.1 4x4 = 3 9.00 12 2x4 [] 4 2x4 || 12 7 6 3x4 N 2x4 || 2x4 || 2x4 || 11-3-6 11-3-6 LOADING (psf) SPACING-2-0-0 CSI. DEFL. (loc) #defl L/d **PLATES** GRIP TÇLL 20,0 Plate Grip DOL TC 0.13 Vert(LL) 999 MT20 244/190 1.15 n/a n/a TCDL 10.0 Lumber DOL 1.15 вс 0.09 Vert(CT) 999 n/a n/a BCLL 0.0 Rep Stress Incr YES **WB** 0.05 Horz(CT) 0.00 5 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-S Weight: 44 lb FT = 20%LUMBER-BRACING-TOP CHORD 2x4 SP No.1 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD BOT CHORD 2x4 SP No.1 Rigid ceiling directly applied or 10-0-0 oc bracing. **OTHERS** 2x4 SP No.2

REACTIONS. All bearings 11-3-6.

(lb) - Max Horz 1=-94(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-112(LC 12), 6=-111(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=251(LC 1), 8=327(LC 19), 6=327(LC 20)

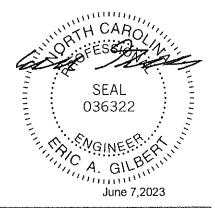
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

WEBS 2-8=-309/238, 4-6=-309/238

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=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-4 to 4-10-1, Interior(1) 4-10-1 to 5-7-11, Exterior(2) 5-7-11 to 10-0-8, Interior(1) 10-0-8 to 10-10-2 zone; 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.
- 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 30.0psf 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 (it=lb) 8=112, 6=111.



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Job Qty Truss Truss Type PΙν 158775794 J0623-2918 VG5 Valley Job Reference (optional) 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:56 2023 Page 1 Fayetteville, NC - 28314, Comtech, Inc. ID:dIGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 4-1-0 Scale = 1:20.9 4x4 === 2 9.00 12 3x4 💸 3x4 4 2x4 || 8-2-1 LOADING (psf) SPACING-2-0-0 CSI. DEFL in (loc) l/defl L/d PLATES GRIP 999 MT20 244/190 TCLL 20.0 Plate Grip DOL 1.15 TC 0,19 Vert(LL) n/a n/a 8C Vert(CT) 999 TCDL 10.0 Lumber DOL 1.15 0.10 n/a n/a WB 0.03 Horz(CT) 0.00 3 **BCLL** 0,0 Rep Stress Incr YES n/a Code IRC2015/TPI2014 Matrix-P Weight: 29 lb FT = 20%BCDL 10.0 LUMBER-BRACING-TOP CHORD 2x4 SP No.1 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD BOT CHORD 2x4 SP No.1 Rigid ceiling directly applied or 10-0-0 oc bracing. OTHERS 2x4 SP No.2

(size) 1=8-2-1, 3=8-2-1, 4=8-2-1

Max Horz 1=66(LC 11)

Max Uplift 1=-25(LC 12), 3=-32(LC 13)

Max Grav 1=164(LC 1), 3=164(LC 1), 4=256(LC 1)

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

NOTES-

REACTIONS.

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vull=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; 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 30,0psf 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.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 ≀ev. 5/19/2020 BEFORE USE. MANNING - venty design parameters and KEAU NOTES ON THIS AND INCLUDED MITER KREEKENGE PAGE MIL-7478 V. 5792/2020 BEFORE USE.

Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for slability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Job Truss Truss Type Qty Ply 158775795 J0623-2918 VG6 Valley Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.430 s Jan 6 2022 MiTek Industries, Inc. Tue Jun 6 14:38:57 2023 Page 1 ID:dtGBT2T7ARIJ1?6?wdf?YqyhMh1-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 2-6-6 Scale = 1:14.3 4x4 = 2 9.00 12 3 3x4 🥢 2x4 || 3x4 💉 5-0-11 5-0-11 LOADING (psf) SPACING-2-0-0 CSI. DEFL (loc) l/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.15 0.06 Vert(LL) n/a 999 MT20 244/190 TC n/a TCDL 10.0 Lumber DOL 1.15 вс 0.03 Vert(CT) 999 n/a n/a BCLL 0.0 Rep Stress Incr YES WB 0.01 Horz(CT) 0.00 3 n/a n/a BCDL 10.0 Code IRC2015/TPI2014 Matrix-P Weight: 17 lb FT = 20%LUMBER-BRACING-TOP CHORD 2x4 SP No.1 TOP CHORD Structural wood sheathing directly applied or 5-0-11 oc purlins. BOT CHORD 2x4 SP No.1 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. OTHERS 2x4 SP No.2 REACTIONS.

(size) 1=5-0-11, 3=5-0-11, 4=5-0-11

Max Horz 1=-38(LC 10)

Max Uplift 1=-15(LC 12), 3=-18(LC 13)

Max Grav 1=94(LC 1), 3=94(LC 1), 4=147(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; Vull=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;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 30.0psf 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 to uplift at joint(s) 1, 3.

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WARNING - Venify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent ocliapse with possible personal injury and property damage. For general guildance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

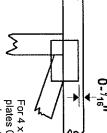


Edenton, NC 27932

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated.
Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 \times 2 orientation, locate plates 0- 1 ₁₆" from outside edge of truss.

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This symbol indicates the required direction of slots in connector plates.

* Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 × 4

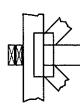
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING



indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

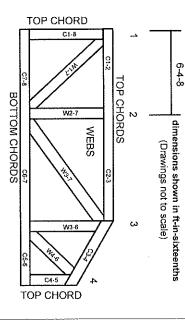
Industry Standards:

ANSI/TP11: National Design Specification for Metal Plate Connected Wood Truss Construction. DSB-89: Design Standard for Bracing.

DSB-89: BCSI:

Design Standard for Bracing.
Building Component Safety Information,
Guide to Good Practice for Handling,
Installing & Bracing of Metal Plate
Connected Wood Trusses.

Lumbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988 ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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MiTek Engineering Reference Sheet MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.

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- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.

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- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.

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 Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to

camber for dead load deflection.

- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- 21. The design does not take into account any dynamic or other loads other than those expressly stated.