Job	Truss	Truss Type	Qty	Ply	Lot 2 NC-Hwy 27
J0125-0086	A1	ATTIC	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu May 15 16:17:09 2025 Page 1

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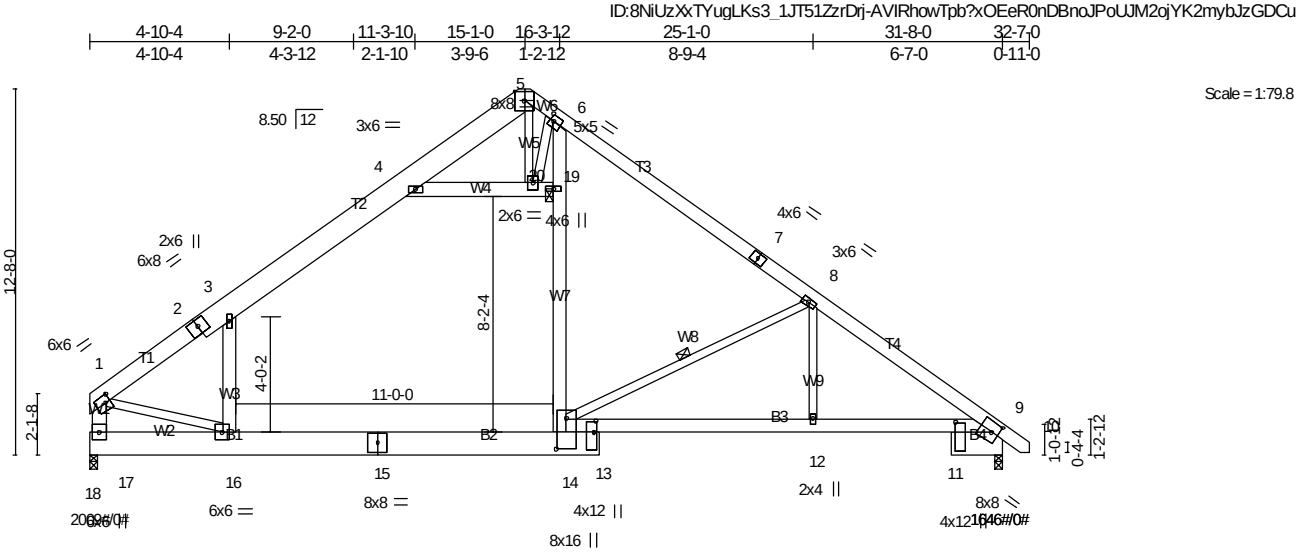

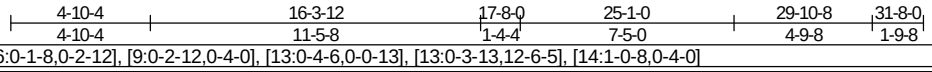

Plate Offsets (X,Y)-- [1:0-1-12,0-3-0], [6:0-1-8,0-2-12], [9:0-2-12,0-4-0], [13:0-4-6,0-0-13], [13:0-3-13,12-6-5], [14:1-0-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.18	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.28	14-16	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.08	14-16	>999	240	Weight: 314 lb	FT = 25%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
T2: 2x10 SP No.1, T1: 2x8 SP No.1
BOT CHORD 2x10 SP No.1 *Except*
B3: 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W3,W4,W1,W7: 2x6 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 8-14
JOINTS 1 Brace at Jt(s): 19

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (size) 17=0-3-8 (min. 0-2-6), 9=0-3-8 (min. 0-1-15)
Max Horz 17=-287(LC 8)
Max Grav 17=2009(LC 20), 9=1646(LC 21)

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

TOP CHORD 1-2=-2144/0, 2-3=-2019/0, 3-4=-1968/104, 4-5=-1124/10, 5-6=-1336/228, 6-25=-1831/120, 7-25=-1958/88, 7-8=-2059/65, 8-26=-2352/121, 9-26=-2480/96, 1-17=-1894/0
BOT CHORD 16-17=-233/558, 15-16=0/1658, 14-15=0/1684, 13-14=0/1832, 12-13=0/1976, 11-12=0/1976, 9-11=0/1976
WEBS 3-16=-358/226, 4-20=-734/174, 1-16=0/1432, 14-19=0/1227, 6-19=0/1156, 5-20=-218/1467, 6-20=-1440/315, 8-14=-693/240, 8-12=0/324

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) 0-4-4 to 4-10-4, Interior(1) 4-10-4 to 15-1-0, Exterior(2) 15-1-0 to 19-5-13, Interior(1) 19-5-13 to 32-5-4 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.
5) Ceiling dead load (10.0 psf) on member(s). 3-4, 4-20, 19-20; Wall dead load (5.0psf) on member(s).3-16, 14-19
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lot 2 NC-Hwy 27
J0125-0086	A1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu May 15 16:17:10 2025 Page 1

ID:8NiUzXxTYugLKs3_1JT51ZzrDrj-ehsqu8x6Zv7o?ODdaUkQJ?raquf3nGViYiVV7lzGDCt

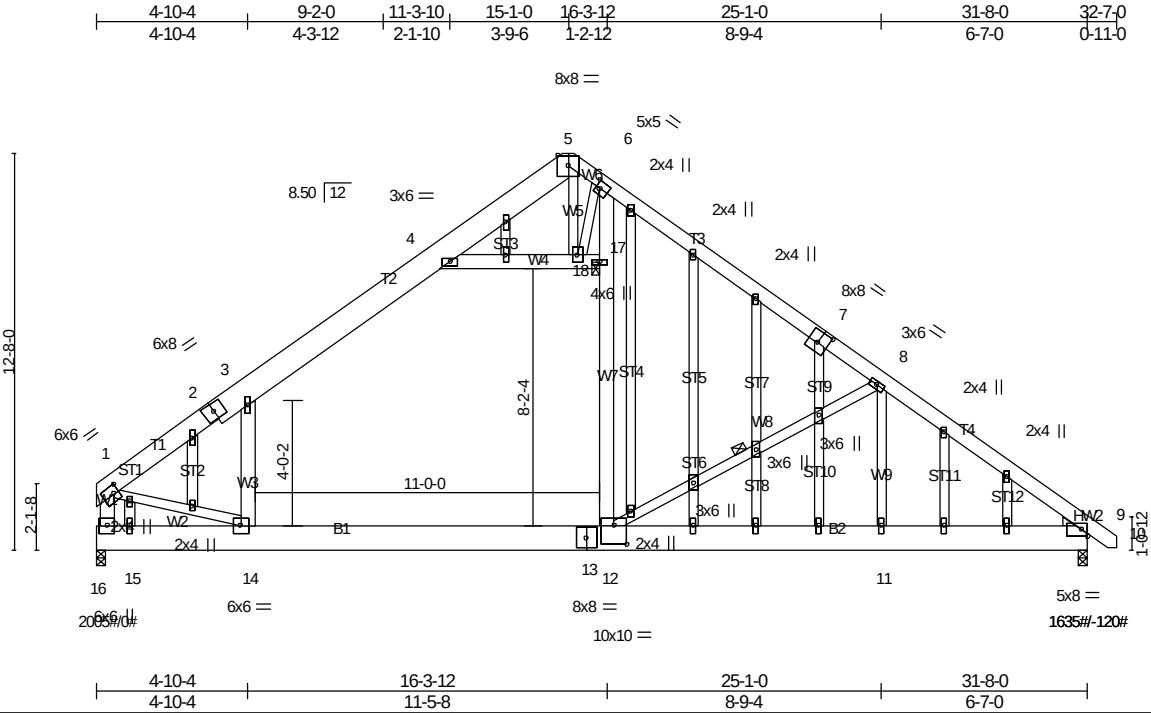

Plate Offsets (X,Y)-- [1:0-1-12,0-3-0], [6:0-1-8,0-2-12], [7:0-4-0,0-4-8], [12:0-5-0,0-7-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.15	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.26	12-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.11	12-14	>999	240	Weight: 389 lb	FT = 25%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
T2: 2x10 SP No.1, T1: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.2 *Except*
W3,W4,W1,W7: 2x6 SP No.1
OTHERS 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 8-12
JOINTS 1 Brace at Jt(s): 17

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (size) 15=0-3-8 (min. 0-2-6), 9=0-3-8 (min. 0-1-15)
Max Horz 15=-357(LC 8)
Max Uplift 9=-120(LC 13)
Max Grav 15=2005(LC 20), 9=1635(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2150/0, 2-3=-2024/0, 3-4=-1969/192, 4-5=-1094/59, 5-6=-1300/323, 6-7=-1803/225, 7-8=-2018/170, 8-9=-2163/239, 1-15=-1898/0
BOT CHORD 14-15=-309/617, 13-14=0/1681, 12-13=0/1681, 11-12=-62/1665, 9-11=-62/1665
WEBS 3-14=-333/272, 4-18=-747/221, 1-14=0/1446, 12-17=0/1174, 6-17=0/1120, 5-18=-293/1460, 6-18=-1438/398, 8-12=-439/399

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) 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 2x6 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 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) Ceiling dead load (10.0 psf) on member(s). 3-4, 4-18, 17-18; Wall dead load (5.0psf) on member(s).3-14, 12-17
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=120.
11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lot 2 NC-Hwy 27
J0125-0086	A1-GR	ATTIC	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu May 15 16:17:11 2025 Page 1

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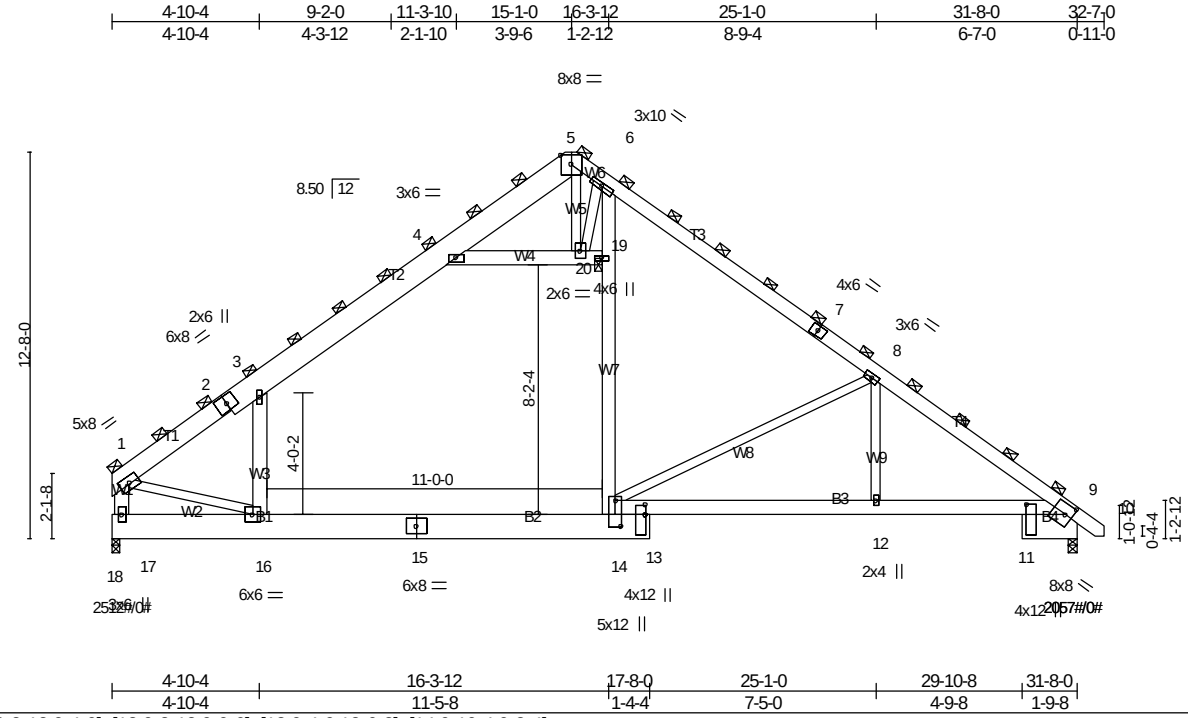

Plate Offsets (X,Y)-- [9:0-2-12,0-4-0], [13:0-3-12,0-0-6], [13:0-4-0,12-6-2], [14:0-10-4,0-2-4]

LOADING (psf)		SPACING- 2-6-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC 0.28	Vert(LL) -0.11 14-16 >999 360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.50	Vert(CT) -0.18 14-16 >999 240		
BCLL	0.0 *	Rep Stress Incr NO	WB 0.30	Horz(CT) 0.02 9 n/a n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.05 14-16 >999 240	Weight: 628 lb	FT = 25%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
T2: 2x10 SP No.1, T1: 2x8 SP No.1
BOT CHORD 2x10 SP No.1 *Except*
B3: 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W3,W4,W1,W7: 2x6 SP No.1

BRACING-

TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 5, 19, 1

REACTIONS. (size) 17=0-3-8 (min. 0-1-8), 9=0-3-8 (min. 0-1-8)
Max Horz 17=-358(LC 8)
Max Grav 17=2512(LC 20), 9=2057(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2667/0, 2-3=-2511/0, 3-4=-2462/131, 4-5=-1399/12, 5-6=-1673/285, 6-25=-2290/151, 7-25=-2445/111, 7-8=-2575/82, 8-26=-2943/152, 9-26=-3104/121, 1-17=-2372/0
BOT CHORD 16-17=-295/596, 15-16=0/2074, 14-15=0/2106, 13-14=0/2291, 12-13=0/2473, 11-12=0/2473, 9-11=0/2473
WEBS 3-16=-476/253, 4-20=-927/221, 1-16=0/1880, 14-19=0/1539, 6-19=0/1450, 5-20=-276/1855, 6-20=-1823/398, 8-14=-869/301, 8-12=0/406

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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) 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) and C-C Exterior(2) 0-4-4 to 4-10-4, Interior(1) 4-10-4 to 15-1-0, Exterior(2) 15-1-0 to 19-5-13, Interior(1) 19-5-13 to 32-5-4 zone;C-C for members and forces & MWFRS for reactions shown; 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) Ceiling dead load (10.0 psf) on member(s). 3-4, 4-20, 19-20; Wall dead load (5.0psf) on member(s).3-16, 14-19
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lot 2 NC-Hwy 27
J0125-0086	A2-GR	ATTIC	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu May 15 16:17:12 2025 Page 1

ID:8NiUzXxTYugLKs3_1JT51ZzrDrj-a3_aJpyM5WNWFiM0ivmuOQxv_iKbF8J?00_cCezGDCr

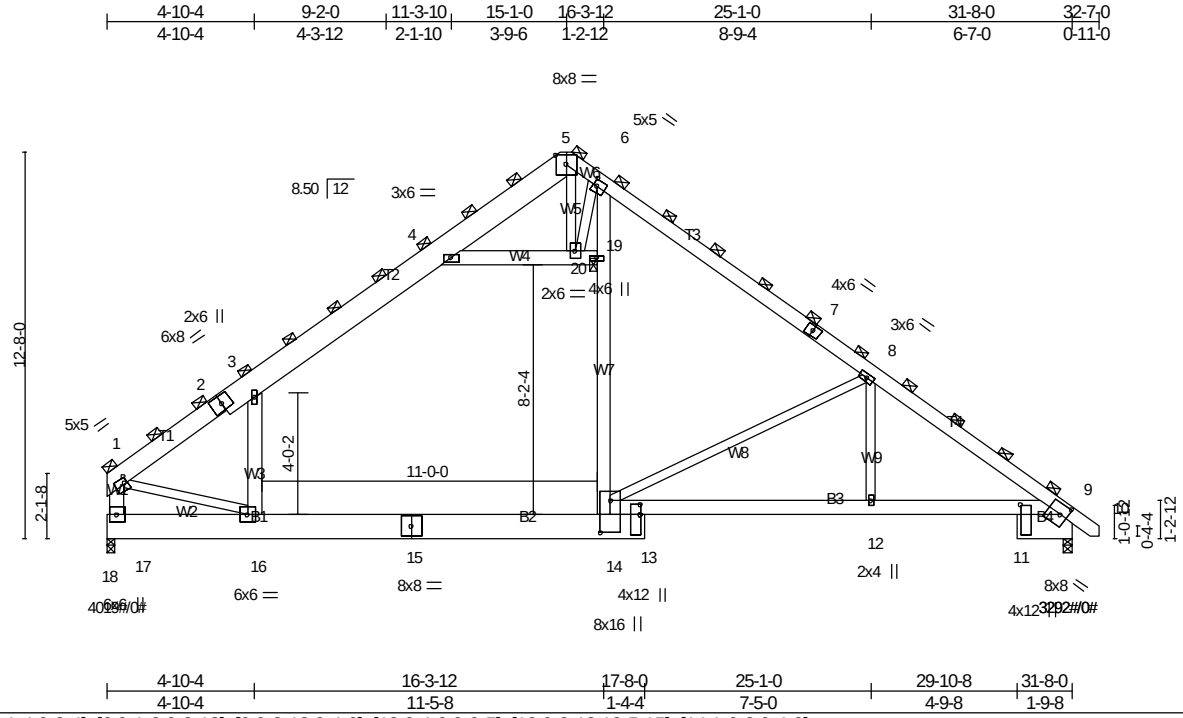

Plate Offsets (X,Y)-- [1:0-1-4,0-2-4], [6:0-1-8,0-2-12], [9:0-2-12,0-4-0], [13:0-4-0,0-0-5], [13:0-3-13,12-5-15], [14:1-0-8,0-4-0]

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	-0.18	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.29	14-16	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.08	14-16	>999	240	Weight: 628 lb	FT = 25%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
T2: 2x10 SP No.1, T1: 2x8 SP No.1
BOT CHORD 2x10 SP No.1 *Except*
B3: 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W3,W4,W1,W7: 2x6 SP No.1

BRACING-

TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 5, 19, 1

REACTIONS. (size) 17=0-3-8 (min. 0-2-6), 9=0-3-8 (min. 0-1-15)
Max Horz 17=-573(LC 8)
Max Grav 17=4019(LC 20), 9=3292(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4267/0, 2-3=-4018/0, 3-4=-3939/210, 4-5=-2238/18, 5-6=-2676/456, 6-25=-3664/241, 7-25=-3912/177, 7-8=-4121/132, 8-26=-4709/243, 9-26=-4966/194, 1-17=-3795/0
BOT CHORD 16-17=-472/954, 15-16=0/3318, 14-15=0/3370, 13-14=0/3666, 12-13=0/3957, 11-12=0/3957, 9-11=0/3957
WEBS 3-16=-762/405, 4-20=-1484/353, 1-16=0/3008, 14-19=0/2463, 6-19=0/2321, 5-20=-441/2968, 6-20=-2917/637, 8-14=-1391/481, 8-12=0/650

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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) 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) and C-C Exterior(2) 0-4-4 to 4-10-4, Interior(1) 4-10-4 to 15-1-0, Exterior(2) 15-1-0 to 19-5-13, Interior(1) 19-5-13 to 32-5-4 zone;C-C for members and forces & MWFRS for reactions shown; 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) Ceiling dead load (10.0 psf) on member(s). 3-4, 4-20, 19-20; Wall dead load (5.0psf) on member(s).3-16, 14-19
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lot 2 NC-Hwy 27
J0125-0086	A3	COMMON	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu May 15 16:17:12 2025 Page 1

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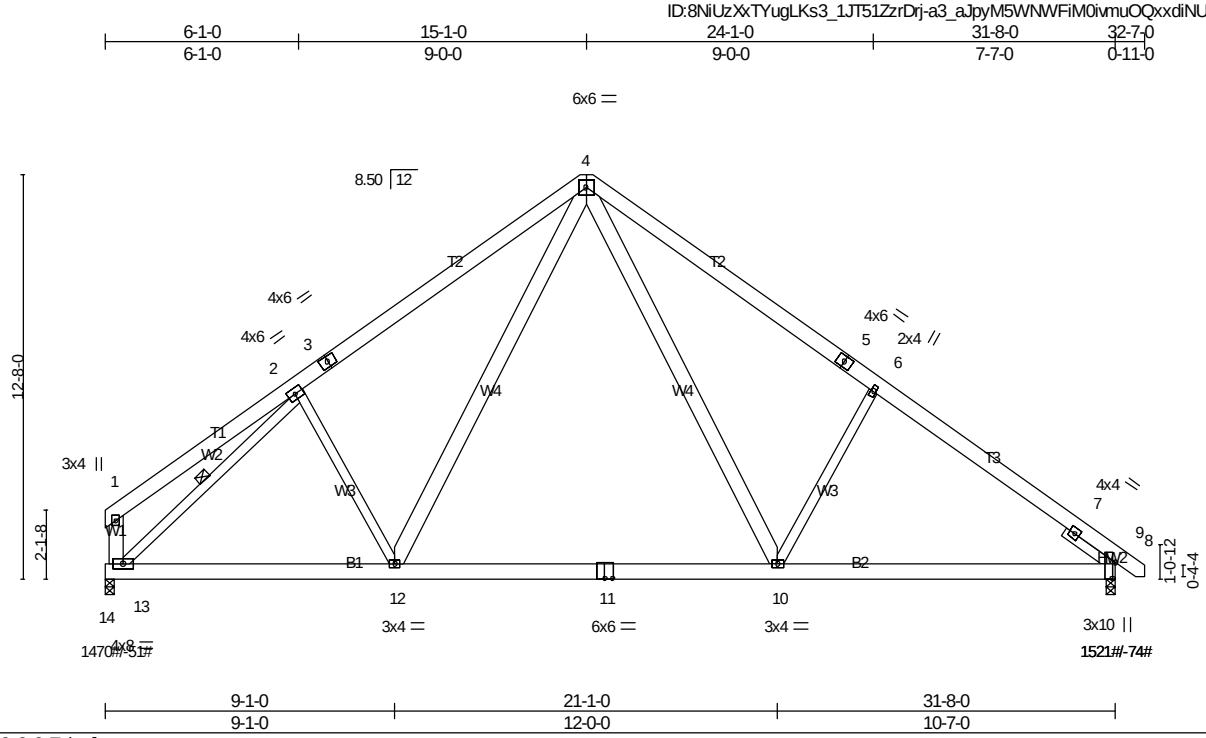

Plate Offsets (X,Y)-- [8:0-6-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.30	10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.42	10-12	>899	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.03	10-12	>999	240	Weight: 266 lb	FT = 25%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x6 SP No.1 *Except* W3,W2: 2x4 SP No.2
SLIDER	Right 2x4 SP No.2 1-11-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 2-13

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (size) 13=0-3-8 (min. 0-1-12), 8=0-3-8 (min. 0-1-13)
Max Horz 13=-287(LC 8)
Max Uplift 13=-51(LC 12), 8=-74(LC 13)
Max Grav 13=1470(LC 19), 8=1521(LC 20)

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

TOP CHORD	1-19=-264/112, 2-3=-1652/387, 3-20=-1517/412, 4-20=-1513/443, 4-21=-1699/467, 5-21=-1702/436, 5-6=-1836/411, 6-22=-1802/366, 7-22=-1962/338, 7-8=-907/39, 1-13=-256/122
BOT CHORD	13-23=-119/1428, 23-24=-119/1428, 12-24=-119/1428, 12-25=0/1066, 11-25=0/1066, 11-26=0/1066, 10-26=0/1066, 10-27=-156/1508, 27-28=-156/1508, 8-28=-156/1508
WEBS	4-12=-103/681, 2-12=-256/260, 4-10=-153/1014, 6-10=-501/313, 2-13=-1562/251

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) 0-4-4 to 4-9-1, Interior(1) 4-9-1 to 15-1-0, Exterior(2) 15-1-0 to 19-5-13, Interior(1) 19-5-13 to 32-5-4 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) 13, 8.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lot 2 NC-Hwy 27
J0125-0086	A3-GR	COMMON GIRDER	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu May 15 16:17:13 2025 Page 1

ID:8NiUzXxTYugLKs3_1JT51ZzrDrj-2GYyX9z_sqVNsrxCFcH7xeT5d5n6_aC8Egk9k4zGDCq

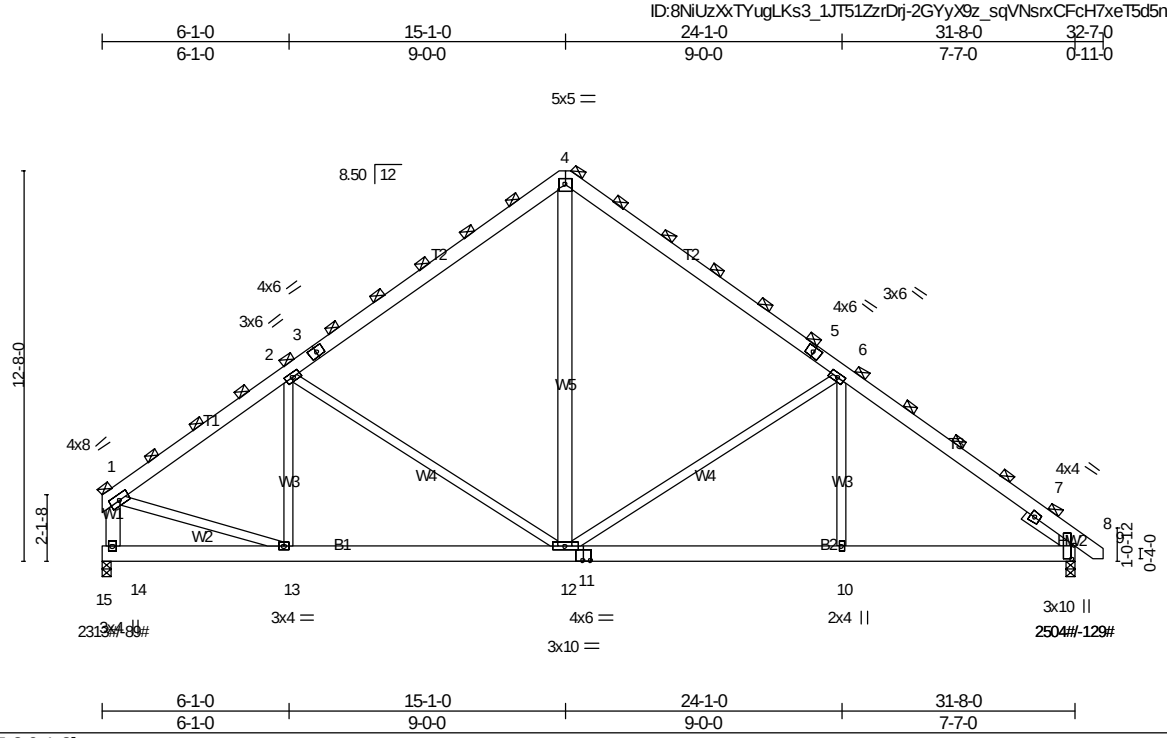

Plate Offsets (X,Y)-- [8:0-5-8,0-1-3]

LOADING (psf)		SPACING-	3-6-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	-0.05	10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.11	10-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.02	10-12	>999	240	Weight: 514 lb	FT = 25%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2 *Except* W5,W1: 2x6 SP No.1
SLIDER	Right 2x4 SP No.2 1-11-0

BRACING-

TOP CHORD	2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 14=0-3-8 (min. 0-1-8), 8=0-3-8 (min. 0-1-8)
Max Horz 14=-502(LC 8)
Max Uplift14=-89(LC 12), 8=-129(LC 13)
Max Grav14=2313(LC 19), 8=2504(LC 20)

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

TOP CHORD	1-20=-2537/488, 2-20=-2277/532, 2-3=-2172/556, 3-21=-1960/599, 4-21=-1957/652, 4-22=-1957/648, 5-22=-1959/595, 5-6=-2156/552, 6-23=-2954/616, 7-23=-3239/565, 7-8=-1811/200, 1-14=-2224/478
BOT CHORD	13-14=-403/536, 13-24=-182/2318, 12-24=-182/2318, 11-12=-253/2483, 11-25=-253/2483, 10-25=-253/2483, 10-26=-253/2483, 8-26=-253/2483
WEBS	2-13=-331/258, 2-12=-737/369, 4-12=-263/1394, 6-12=-1365/465, 6-10=0/752, 1-13=-277/1964

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: 2x6 - 2 rows staggered at 0-9-0 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.
4) 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) 0-4-4 to 4-9-1, Interior(1) 4-9-1 to 15-1-0, Exterior(2) 15-1-0 to 19-5-13, Interior(1) 19-5-13 to 32-5-1 zone;C-C for members and forces & MWFRS for reactions shown; 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 8=129.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lot 2 NC-Hwy 27
J0125-0086	A4	ROOF SPECIAL	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu May 15 16:17:14 2025 Page 1
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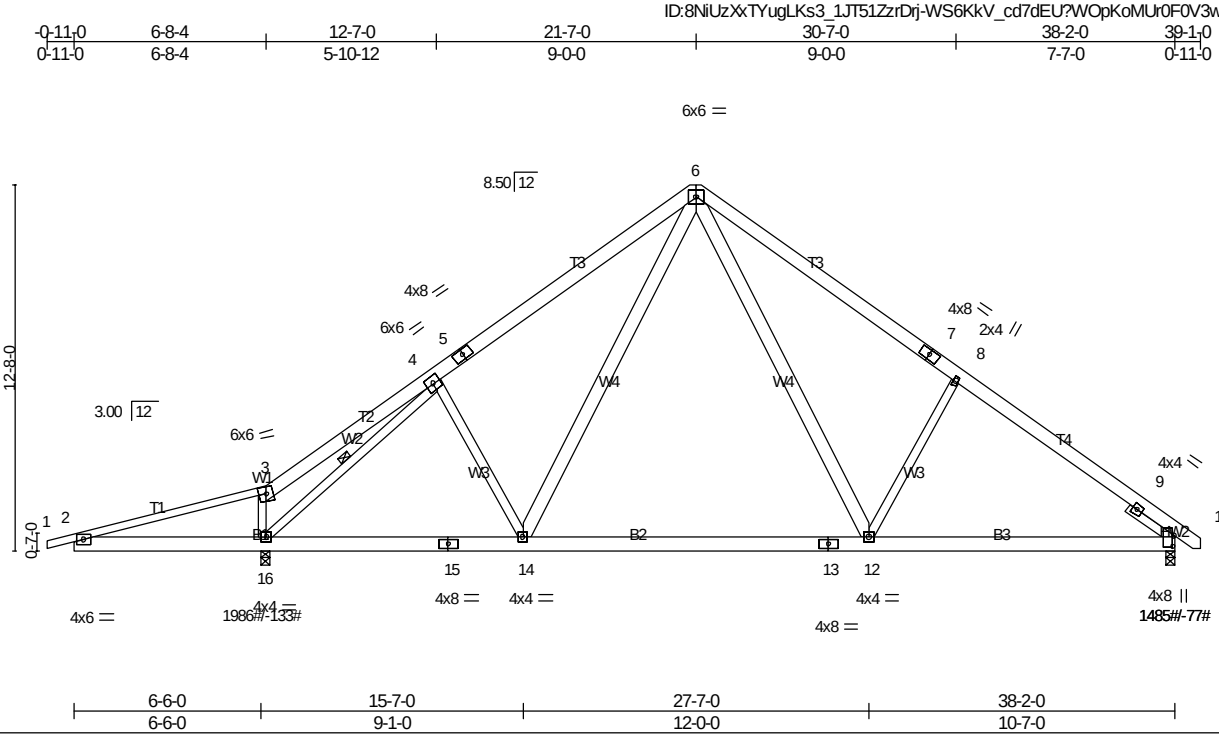

Plate Offsets (X,Y)-- [10:0-4-8,0-0-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.30	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.43	12-14	>889	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.04	12-14	>999	240	Weight: 292 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1 *Except*
T1: 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W4: 2x6 SP No.1
SLIDER Right 2x4 SP No.2 1-11-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-16

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (size) 16=0-3-8 (min. 0-2-5), 10=0-3-8 (min. 0-1-12)
Max Horz 16=292(LC 11)
Max Uplift16=-133(LC 12), 10=-77(LC 13)
Max Grav16=1986(LC 2), 10=1485(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-24=-474/893, 3-24=-466/942, 3-4=-454/1160, 4-5=-1546/332, 5-25=-1411/358, 6-25=-1407/388, 6-26=-1644/454, 7-26=-1647/423, 7-8=-1781/399, 8-27=-1747/354, 9-27=-1907/325, 9-10=-883/33
BOT CHORD 2-16=-867/514, 16-28=-90/1298, 15-28=-90/1298, 15-29=-90/1298, 14-29=-90/1298, 14-30=0/1025, 30-31=0/1025, 13-31=0/1025, 12-13=0/1025, 12-32=-122/1471, 32-33=-122/1471, 10-33=-122/1471
WEBS 8-12=-503/315, 6-12=-159/1022, 6-14=-71/578, 4-16=-2454/674

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) -0-11-0 to 3-5-13, Interior(1) 3-5-13 to 21-7-0, Exterior(2) 21-7-0 to 25-11-13, Interior(1) 25-11-13 to 38-11-4 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) 10 except (jt=lb) 16=133.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lot 2 NC-Hwy 27
J0125-0086	A5	ROOF SPECIAL	5	1	Job Reference (optional)

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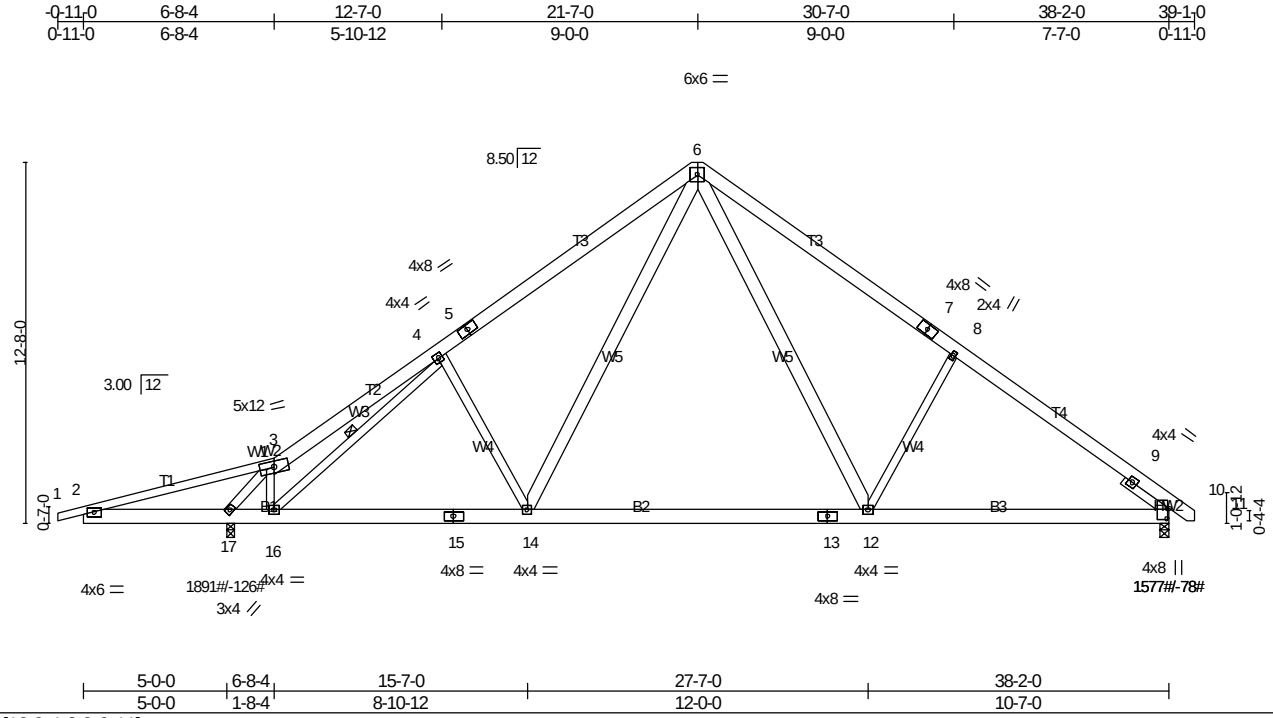

Plate Offsets (X,Y)-- [10:0-4-8,0-0-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.30	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.42	12-14	>953	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.03	12-14	>999	240	Weight: 295 lb	FT = 25%

LUMBER-

TOP CHORD	2x6 SP No.1 *Except*
	T1: 2x4 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2 *Except*
	W5: 2x6 SP No.1
SLIDER	Right 2x4 SP No.2 1-11-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 4-16

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (size) 10=0-3-8 (min. 0-1-14), 17=0-3-8 (min. 0-2-4)
Max Horz 17=292(LC 11)
Max Uplift 10=-78(LC 13), 17=-126(LC 12)
Max Grav 10=1577(LC 20), 17=1891(LC 2)

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

TOP CHORD	2-25=-402/716, 3-25=-394/763, 3-4=-1175/208, 4-5=-1875/389, 5-26=-1739/415, 6-26=-1736/445, 6-27=-1788/478, 7-27=-1790/447, 7-8=-1924/423, 8-28=-1891/378, 9-28=-2051/350, 9-10=-943/43
BOT CHORD	2-17=-698/446, 16-17=-83/1146, 16-29=-124/1703, 15-29=-124/1703, 15-30=-124/1703, 14-30=-124/1703, 14-31=0/1151, 31-32=0/1151, 13-32=0/1151, 12-13=0/1151, 12-33=-144/1585, 33-34=-144/1585, 10-34=-144/1585
WEBS	8-12=-497/313, 6-12=-153/1002, 6-14=-126/900, 4-14=-413/281, 4-16=-941/351, 3-16=-81/561, 3-17=-2041/388

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) -0-11-0 to 3-5-13, Interior(1) 3-5-13 to 21-7-0, Exterior(2) 21-7-0 to 25-11-13, Interior(1) 25-11-13 to 38-11-4 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) 10 except (jt=lb) 17=126.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lot 2 NC-Hwy 27
J0125-0086	A5SG	GABLE	1	1	Job Reference (optional)

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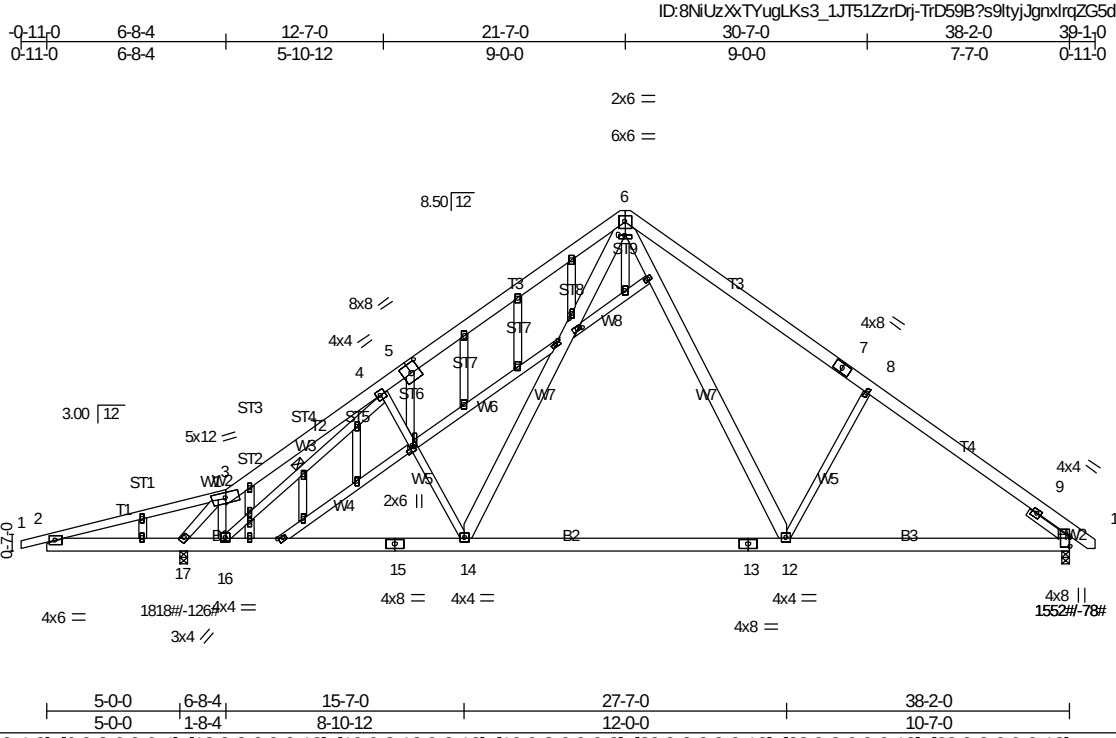
ID:8NiUzXxTYugLKs3_1JT51ZzrDrj-TrD59B?s9ltyjJgnxlrqZG5d6Jk7Bz8axdyqLPzGDCn



5-0-0 6-8-4 15-7-0 27-7-0 38-2-0
5-0-0 1-8-4 8-10-12 12-0-0 10-7-0

Plate Offsets (X,Y)-- [5:0-4-0,0-4-8], [6:0-3-0,0-0-4], [18:0-2-0,0-0-12], [19:0-2-12,0-0-12], [19:0-2-0,0-0-8], [20:0-2-0,0-0-12], [22:0-2-0,0-0-12], [22:0-2-0,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.32	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.44	12-14	>900	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.03	12-14	>999	240	Weight: 347 lb	FT = 25%

LUMBER-

TOP CHORD	2x6 SP No.1 *Except*
	T1: 2x4 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2 *Except*
	W7: 2x6 SP No.1
OTHERS	2x4 SP No.2
SLIDER	Right 2x4 SP No.2 1-10-5

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 4-16

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (size) 10=0-3-8 (min. 0-1-13), 17=0-3-8 (min. 0-2-2)
Max Horz 17=292(LC 11)
Max Uplift10=-78(LC 13), 17=-126(LC 12)
Max Grav10=1552(LC 20), 17=1818(LC 1)

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

TOP CHORD	2-45=-402/716, 3-45=-394/763, 3-4=-1019/208, 4-5=-1777/389, 5-46=-1640/415, 6-46=-1638/445, 6-47=-1750/478, 7-47=-1752/447, 7-8=-1886/423, 8-48=-1853/378, 9-48=-2014/350, 9-10=-921/42
BOT CHORD	2-17=-698/446, 16-17=-83/1002, 15-16=-124/1615, 14-15=-124/1615, 14-49=0/1114, 49-50=0/1114, 13-50=0/1114, 12-13=0/1114, 12-51=-144/1555, 51-52=-144/1555, 10-52=-144/1555
WEBS	8-12=-497/313, 6-12=-153/1014, 6-14=-126/801, 4-14=-413/281, 4-16=-1013/351, 3-16=-81/519, 3-17=-1906/388

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) -0-11-0 to 3-5-13, Interior(1) 3-5-13 to 21-7-0, Exterior(2) 21-7-0 to 25-11-13, Interior(1) 25-11-13 to 38-11-4 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 studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 17=126.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lot 2 NC-Hwy 27
J0125-0086	B1	COMMON	6	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu May 15 16:17:17 2025 Page 1
ID:8NiUzXxTYugLKs3_1JT51ZzrDrj-x1nTMX0Vw2?oLTFzUSM35Uenej4BwM7k9HiNtrzGDCm

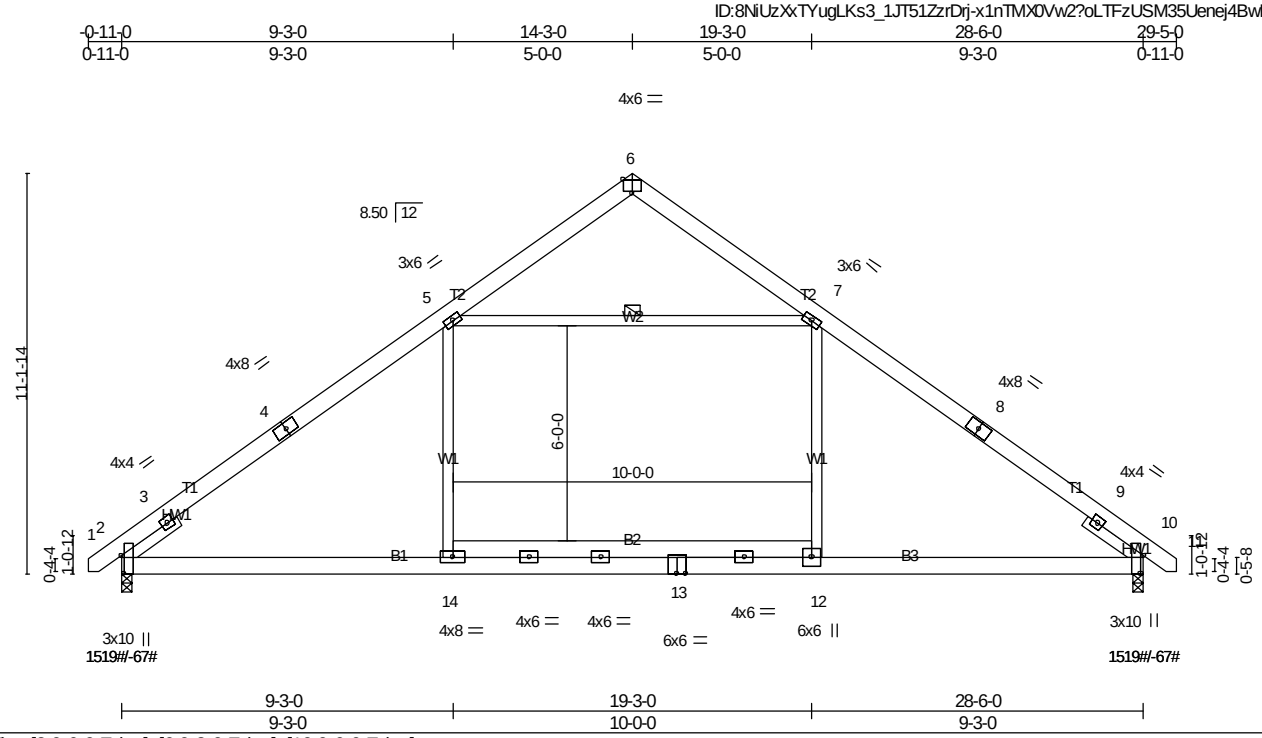


Plate Offsets (X,Y)-- [2:0-6-0,Edge], [6:0-3-0,Edge], [10:0-6-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	-0.25	12-21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.28	12-21	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.25	14-17	>999	240	Weight: 218 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-11-0, Right 2x4 SP No.2 1-11-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-7

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (size) 2=0-3-8 (min. 0-1-13), 10=0-3-8 (min. 0-1-13)
Max Horz 2=-255(LC 10)
Max Uplift 2=-67(LC 12), 10=-67(LC 13)
Max Grav 2=1519(LC 19), 10=1519(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-785/0, 3-23=-2003/285, 4-23=-1933/290, 4-5=-1800/323, 5-24=-318/71, 6-24=-297/104, 6-25=-297/103, 7-25=-318/71, 7-8=-1801/322, 8-26=-1934/290, 9-26=-2004/285, 9-10=-784/0
BOT CHORD 2-27=-81/1569, 14-27=-81/1569, 13-14=-83/1570, 12-13=-85/1558, 12-28=-81/1569, 10-28=-81/1569
WEBS 7-12=0/712, 5-14=0/710, 5-7=-1321/376

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) -0-9-4 to 3-7-9, Interior(1) 3-7-9 to 14-3-0, Exterior(2) 14-3-0 to 18-7-13, Interior(1) 18-7-13 to 29-3-4 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, 10.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lot 2 NC-Hwy 27
J0125-0086	B1GE	COMMON SUPPORTED GAB	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu May 15 16:17:17 2025 Page 1

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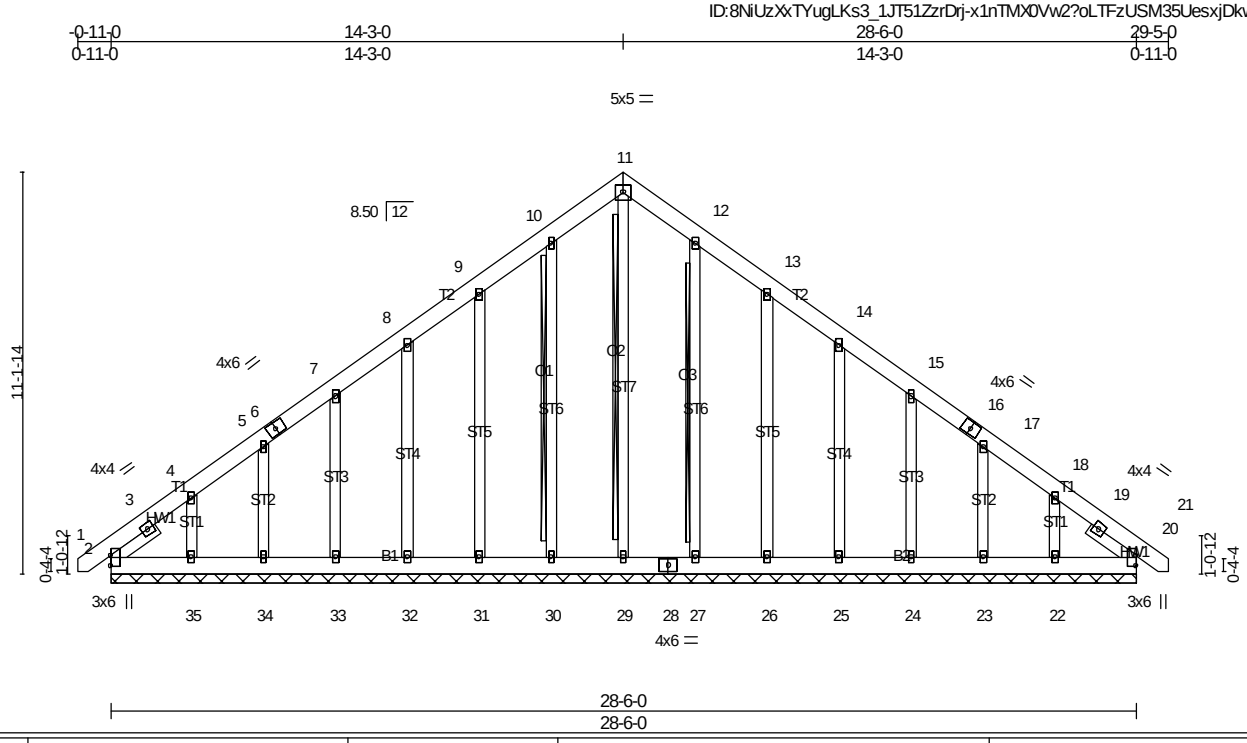

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	0.00	20	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	20	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	20	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 268 lb	FT = 25%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
OTHERS	2x4 SP No.2
SLIDER	Left 2x4 SP No.2 1-6-7, Right 2x4 SP No.2 1-6-7

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	T-Brace: 2x4 SPF No.2 - 11-29, 10-30, 12-27 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance. Brace must cover 90% of web length.

REACTIONS. All bearings 28-6-0.

(lb) - Max Horz 2=319(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 30, 32, 33, 34, 27, 25, 24, 23, 20 except 2=-110(LC 8), 31=-105(LC 12), 35=-205(LC 12), 26=-108(LC 13), 22=-187(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 2, 29, 30, 31, 32, 33, 34, 35, 27, 26, 25, 24, 23, 22, 20

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

TOP CHORD 2-3=-353/242, 3-4=-340/254, 10-11=-251/273, 11-12=-251/273, 18-19=-268/168, 19-20=-282/159

BOT CHORD 2-35=-155/254, 34-35=-155/254, 33-34=-155/254, 32-33=-155/254, 31-32=-155/254, 30-31=-155/254, 29-30=-155/254, 28-29=-155/254, 27-28=-155/254, 26-27=-155/254, 25-26=-155/254, 24-25=-155/254, 23-24=-155/254, 22-23=-155/254, 20-22=-155/254

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) 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) 30, 32, 33, 34, 27, 25, 24, 23, 20 except (jt=lb) 2=110, 31=105, 35=205, 26=108, 22=187.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lot 2 NC-Hwy 27
J0125-0086	C1	ATTIC	7	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu May 15 16:17:18 2025 Page 1

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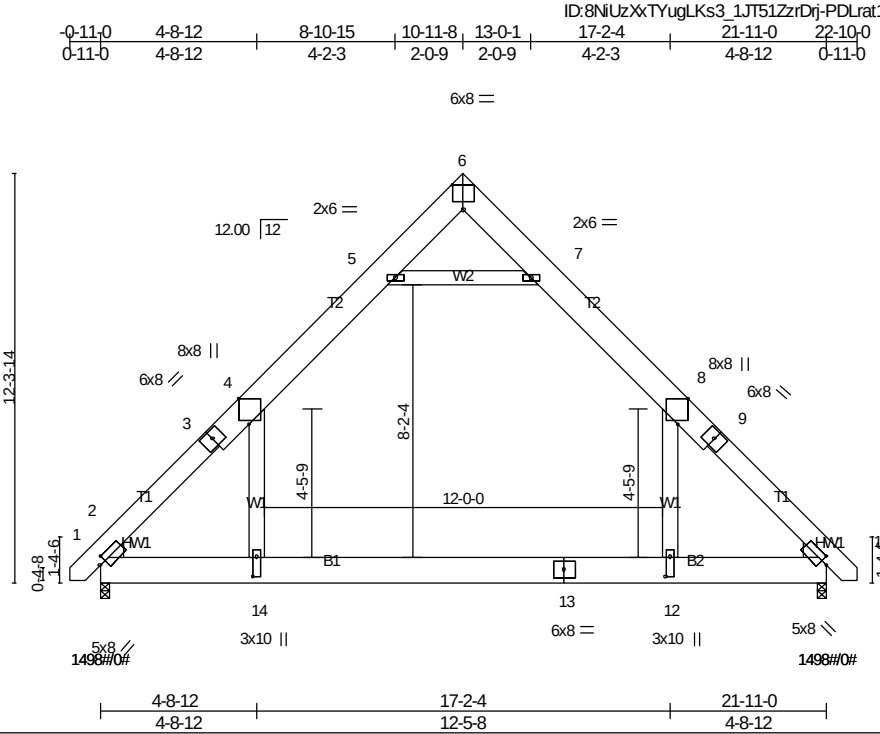

Plate Offsets (X,Y)-- [2:0-2-8,0-2-4], [4:0-9-5,Edge], [6:0-4-0,Edge], [8:0-9-5,Edge], [10:0-2-8,0-2-4], [12:0-7-4,0-1-8], [14:0-7-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.19	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.31	12-14	>836	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.04	12-14	>999	240	Weight: 244 lb	FT = 25%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except*
T1: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1
WEDGE
Left: 2x6 SP No.1 , Right: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (size) 2=0-3-8 (min. 0-1-12), 10=0-3-8 (min. 0-1-12)
Max Horz 2=-276(LC 10)
Max Grav 2=1498(LC 20), 10=1498(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1967/0, 3-21=-1830/0, 4-21=-1813/0, 4-22=-1121/92, 5-22=-955/149, 5-6=0/484, 6-7=0/485, 7-23=-955/149, 8-23=-1121/92, 8-24=-1813/0, 9-24=-1830/0, 9-10=-1966/0
BOT CHORD 2-14=0/1155, 13-14=0/1162, 12-13=0/1162, 10-12=0/1154
WEBS 8-12=0/1089, 4-14=0/1089, 5-7=-1696/199

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) -0-8-2 to 3-8-11, Interior(1) 3-8-11 to 10-11-8, Exterior(2) 10-11-8 to 15-4-5, Interior(1) 15-4-5 to 22-7-2 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.
5) Ceiling dead load (10.0 psf) on member(s). 4-5, 7-8, 5-7; Wall dead load (5.0psf) on member(s).8-12, 4-14
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lot 2 NC-Hwy 27
J0125-0086	C1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu May 15 16:17:19 2025 Page 1
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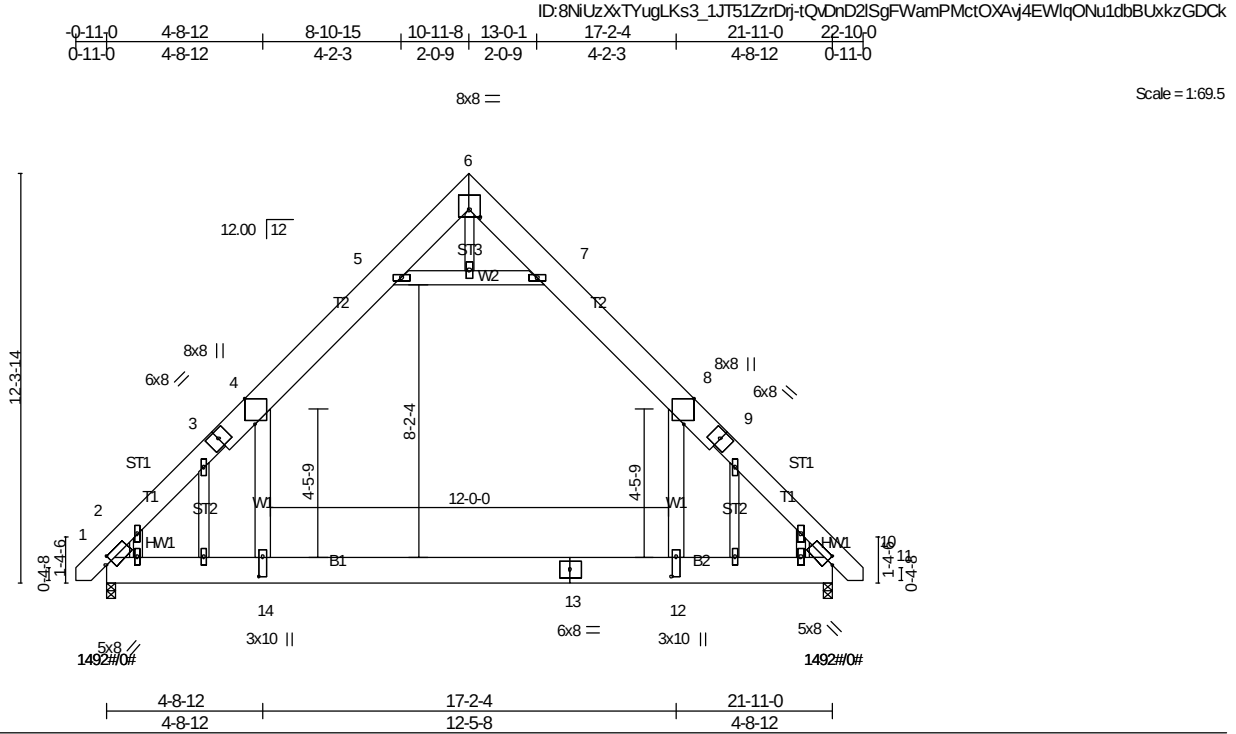

Plate Offsets (X,Y)-- [2:0-2-8,0-2-4], [4:0-9-5,Edge], [6:0-4-0,0-2-12], [8:0-9-5,Edge], [10:0-2-8,0-2-4], [12:0-7-4,0-1-8], [14:0-7-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.19	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.31	12-14	>836	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.07	12-14	>999	240	Weight: 257 lb	FT = 25%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except*
T1: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1
OTHERS 2x4 SP No.2
WEDGE
Left: 2x6 SP No.1 , Right: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (size) 2=0-3-8 (min. 0-1-12), 10=0-3-8 (min. 0-1-12)
Max Horz 2=345(LC 11)
Max Grav 2=1492(LC 20), 10=1492(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1984/0, 3-4=-1831/0, 4-5=-1128/184, 5-6=-36/494, 6-7=-37/496, 7-8=-1127/184, 8-9=-1830/0, 9-10=-1984/0
BOT CHORD 2-14=0/1179, 13-14=0/1186, 12-13=0/1186, 10-12=0/1178
WEBS 8-12=0/1089, 4-14=0/1089, 5-7=-1686/295

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) 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 2x6 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 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) Ceiling dead load (10.0 psf) on member(s). 4-5, 7-8, 5-7; Wall dead load (5.0psf) on member(s).8-12, 4-14
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lot 2 NC-Hwy 27
J0125-0086	C2	ATTIC	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu May 15 16:17:20 2025 Page 1
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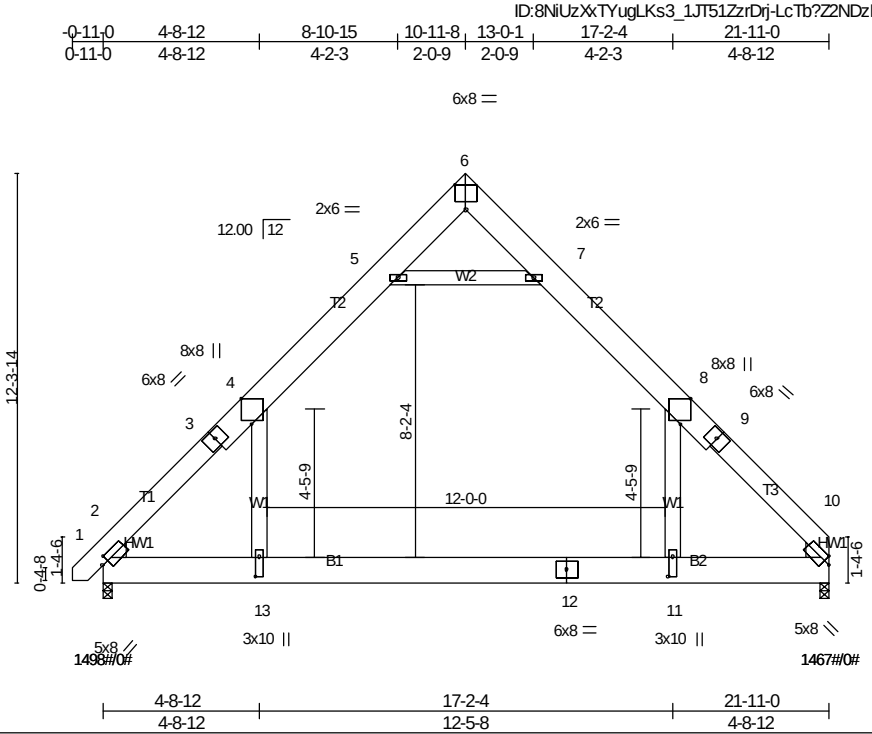

Plate Offsets (X,Y)-- [2:0-2-8,0-2-4], [4:0-9-5,Edge], [6:0-4-0,Edge], [8:0-9-5,Edge], [10:0-2-8,0-2-4], [11:0-7-4,0-1-8], [13:0-7-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.19	11-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.32	11-13	>832	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.04	11-13	>999	240	Weight: 241 lb	FT = 25%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except* T1,T3: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1
WEDGE
Left: 2x6 SP No.1 , Right: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (size) 2=0-3-8 (min. 0-1-12), 10=0-3-8 (min. 0-1-12)
Max Horz 2=271(LC 9)
Max Grav 2=1498(LC 20), 10=1467(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1969/0, 3-20=-1832/0, 4-20=-1815/0, 4-21=-1121/92, 5-21=-955/149, 5-6=-2/486, 6-7=0/486, 7-22=-956/151, 8-22=-1122/94, 8-9=-1806/0, 9-10=-1959/0
BOT CHORD 2-13=0/1148, 12-13=0/1155, 11-12=0/1155, 10-11=0/1147
WEBS 8-11=0/1077, 4-13=0/1091, 5-7=-1699/208

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) -0-8-2 to 3-8-11, Interior(1) 3-8-11 to 10-11-8, Exterior(2) 10-11-8 to 15-4-5, Interior(1) 15-4-5 to 21-11-0 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.
5) Ceiling dead load (10.0 psf) on member(s). 4-5, 7-8, 5-7; Wall dead load (5.0psf) on member(s).8-11, 4-13
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Lot 2 NC-Hwy 27
J0125-0086	C3	ATTIC	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu May 15 16:17:20 2025 Page 1
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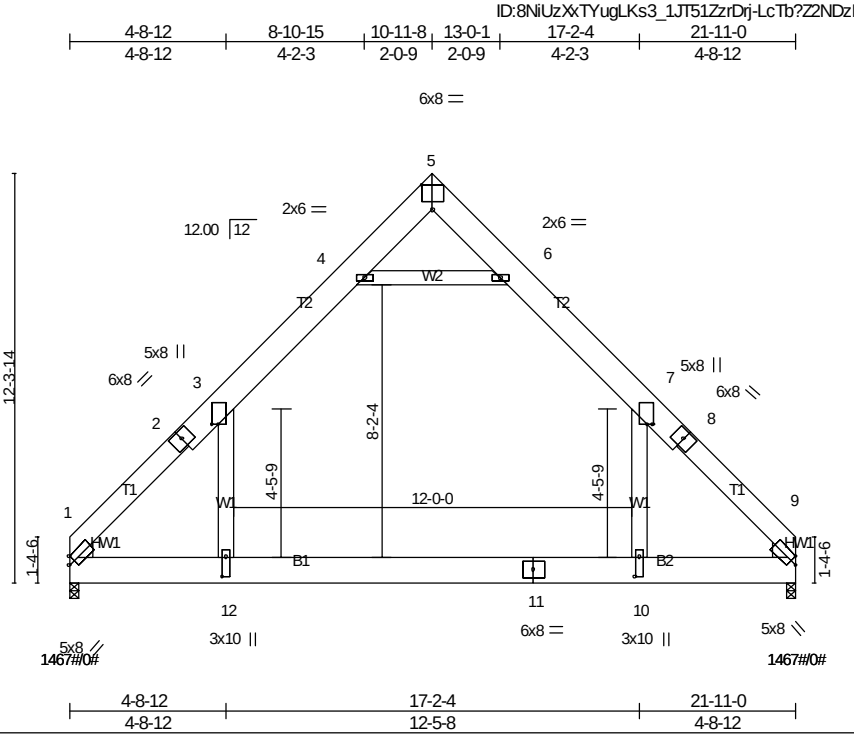

Plate Offsets (X,Y)-- [1:0-2-8,Edge], [3:0-0-0,0-2-4], [5:0-4-0,Edge], [7:0-0-0,0-2-4], [9:0-2-8,Edge], [10:0-7-4,0-1-8], [12:0-7-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.19	10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.32	10-12	>828	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.04	10-12	>999	240	Weight: 238 lb	FT = 25%

LUMBER-
TOP CHORD 2x10 SP No.1 *Except*
T1: 2x8 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1
WEDGE
Left: 2x6 SP No.1 , Right: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (size) 1=0-3-8 (min. 0-1-12), 9=0-3-8 (min. 0-1-12)
Max Horz 1=260(LC 9)
Max Grav 1=1467(LC 21), 9=1467(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1961/0, 2-3=-1808/0, 3-19=-1122/94, 4-19=-956/151, 4-5=-2/487, 5-6=-2/488, 6-20=-956/151, 7-20=-1122/94, 7-8=-1807/0, 8-9=-1961/0
BOT CHORD 1-12=0/1148, 11-12=0/1155, 10-11=0/1155, 9-10=0/1147
WEBS 7-10=0/1079, 3-12=0/1079, 4-6=-1702/208

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) 0-0-0 to 4-8-4, Interior(1) 4-8-4 to 10-11-8, Exterior(2) 10-11-8 to 15-4-5, Interior(1) 15-4-5 to 21-11-0 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.
5) Ceiling dead load (10.0 psf) on member(s). 3-4, 6-7, 4-6; Wall dead load (5.0psf) on member(s).7-10, 3-12
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 10-12
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard