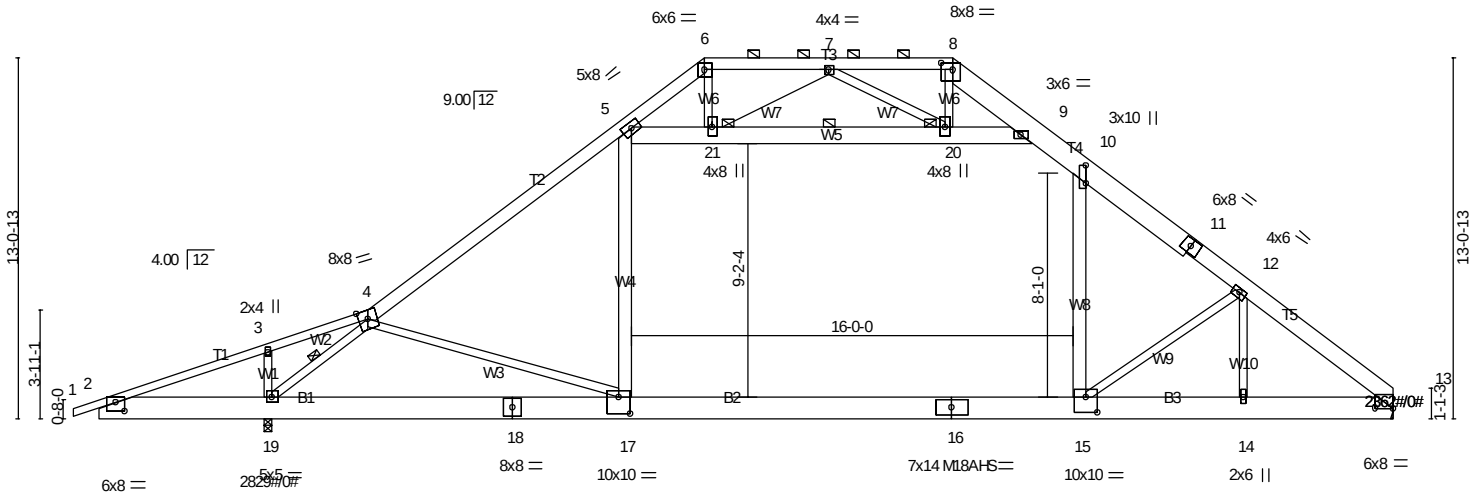
Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	A1	ATTIC	3	1	Job Reference (optional)

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

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Oct 8 16:56:03 2024 Page 1
ID:yloiT?3frnrMkY0e33k549ysxyT-2ooxUE_BZMW3ZTPZSQwH7z5nrL_YQei28AMsVWyVQmQ

-0-11-0	6-1-12	9-9-2	19-0-12	21-11-8	26-5-8	30-11-8	33-5-0	35-6-4	41-5-8	46-11-0
0-11-0	6-1-12	3-7-6	9-3-10	2-10-12	4-6-0	4-6-0	2-5-8	2-1-4	5-11-4	5-5-8

Scale = 1:83.5



6-1-12	19-0-12	35-6-4	41-5-8	46-11-0
6-1-12	12-11-0	16-5-8	5-11-4	5-5-8

Plate Offsets (X,Y)-- [2:0-4-0,0-3-10], [8:0-5-0,0-3-4], [10:0-7-13,0-0-4], [13:0-8-0,0-0-5], [15:0-5-0,0-6-8], [17:0-5-0,0-7-8]

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 0.56	Vert(LL)	-0.34	15-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.51	Vert(CT)	-0.56	15-17	>868	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr YES	WB 0.54	Horz(CT)	0.03	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL)	0.20	15	>999	240	Weight: 476 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1 *Except*
T1: 2x4 SP No.1, T4: 2x10 SP No.1, T5: 2x8 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x4 SP No.2 *Except*
W4,W8: 2x6 SP No.1, W5: 2x8 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-19, 20-21
JOINTS 1 Brace at Jt(s): 20, 21

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

REACTIONS. (size) 19=0-3-8 (min. 0-2-5), 13=Mechanical
Max Horz 19=305(LC 9)
Max Grav 19=2829(LC 2), 13=2362(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-28=-713/739, 3-28=-704/784, 3-4=-655/761, 4-29=-3171/0, 5-29=-2951/0, 5-6=-911/111, 6-7=-636/56, 7-8=-744/251, 8-9=-935/170, 9-10=-2397/106, 10-11=-3184/0, 11-12=-3345/0, 12-30=-3173/33, 13-30=-3305/14
BOT CHORD 2-19=-701/754, 18-19=0/2270, 17-18=0/2270, 16-17=0/2574, 15-16=0/2574, 14-15=0/2581, 13-14=0/2581
WEBS 3-19=-276/139, 4-19=-3666/415, 4-17=-121/605, 5-17=0/1165, 10-15=0/1406, 12-15=-480/373, 12-14=-538/82, 5-21=-2032/91, 20-21=-1928/0, 9-20=-2261/0, 8-20=0/384, 6-21=-49/482, 7-21=-367/259, 7-20=-431/154

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 3-9-5, Interior(1) 3-9-5 to 21-11-8, Exterior(2) 21-11-8 to 26-5-8, Interior(1) 26-5-8 to 30-11-8, Exterior(2) 30-11-8 to 35-6-4, Interior(1) 35-6-4 to 46-11-0 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.
7) Ceiling dead load (10.0 psf) on member(s). 9-10, 5-21, 20-21, 9-20; Wall dead load (5.0psf) on member(s).5-17, 10-15
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-17
9) Refer to girder(s) for truss to truss connections.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	A1SG	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. Tue Oct 8 16:56:06 2024 Page 1
ID:yloiT?3fmrMkY0e33k549ysxyT-SNU46F03sHueQx888ZU_IbjD?ZyYdxpVr8aW6ryVQmN

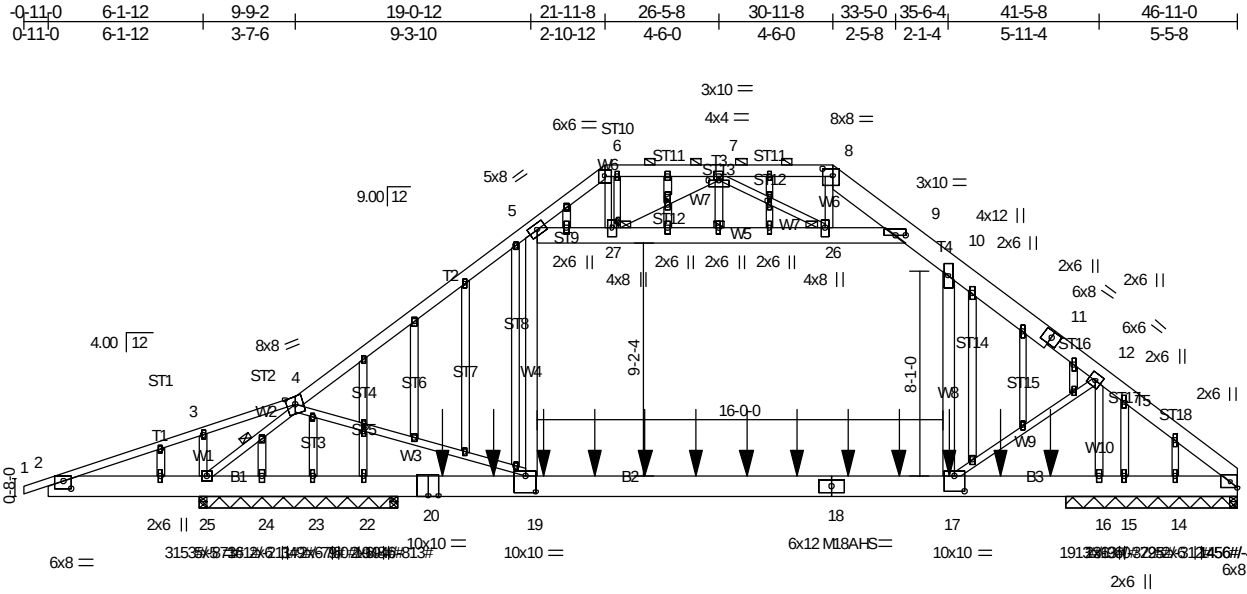


Plate Offsets (X,Y)-- [2:0-4-0,0-3-10], [7:0-5-0,0-0-1], [8:0-5-0,0-3-4], [9:0-5-0,0-0-0], [17:0-5-0,0-7-4], [19:0-5-0,0-7-8], [27:0-2-0,0-0-8], [30:0-1-15,0-1-0], [34:0-1-15,0-1-0], [44:0-1-10,0-1-0]

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	0.82	Vert(LL)	-0.36	17-19	>919	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.65	17-19	>511	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.30	17-19	>999	240	Weight: 557 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1 *Except*
T1: 2x4 SP No.1, T4: 2x10 SP No.1, T5: 2x8 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x4 SP No.2 *Except*
W4,W8: 2x6 SP No.1, W5: 2x8 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-1 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 2-25
9-3-4 oc bracing: 17-19
9-2-13 oc bracing: 16-17.
WEBS 1 Row at midpt 4-25, 26-27
JOINTS 1 Brace at Jt(s): 26, 27

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

REACTIONS. All bearings 6-9-8 except (jt=length) 25=0-3-8, 25=0-3-8, 22=7-9-8, 23=7-9-8, 24=7-9-8, 21=0-3-8.
(lb) - Max Horz 25=394(LC 25)
Max Uplift All uplift 100 lb or less at joint(s) 23 except 25=-871(LC 4), 16=-960(LC 4), 13=-417(LC 5), 22=-1946(LC 34), 24=-211(LC 1), 15=-379(LC 5), 14=-312(LC 37), 21=-813(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 14 except 25=3153(LC 2), 25=3014(LC 1), 16=1913(LC 21), 13=1456(LC 34), 13=1083(LC 1), 22=760(LC 8), 23=349(LC 20), 24=361(LC 24), 15=1313(LC 34), 21=1948(LC 34)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-346/772, 3-4=-261/754, 4-5=-3469/638, 5-6=-912/166, 6-7=-676/146, 7-8=-446/325, 8-9=-767/236, 9-10=-2627/560, 10-11=-3494/755, 11-12=-3654/732, 12-13=-1951/631
BOT CHORD 2-25=-685/394, 24-25=-580/2531, 23-24=-580/2531, 22-23=-580/2531, 21-22=-580/2531, 20-21=-580/2531, 20-64=-580/2531, 64-65=-580/2531, 19-65=-580/2531, 19-66=-516/2866, 66-67=-516/2866, 67-68=-516/2866, 68-69=-516/2866, 69-70=-516/2866, 70-71=-516/2866, 18-71=-516/2866, 18-72=-516/2866, 72-73=-516/2866, 17-73=-516/2866, 17-74=-492/1528, 74-75=-492/1528, 16-75=-492/1528, 15-16=-492/1528, 14-15=-492/1528, 13-14=-492/1528
WEBS 3-25=-274/208, 4-25=-3902/815, 4-19=-189/592, 5-19=-398/1400, 10-17=-485/1460, 12-17=-389/1936, 12-16=-2854/751, 5-27=-2343/781, 26-27=-2375/733, 9-26=-2765/855, 8-26=-42/451, 6-27=-24/428, 7-27=-183/310, 7-26=-530/248

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) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 2x4 MT20 unless otherwise indicated.
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.

Continued on page 2

NOTES-

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) Ceiling dead load (10.0 psf) on member(s). 9-10, 5-27, 26-27, 9-26; Wall dead load (5.0psf) on member(s).5-19, 10-17
11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 17-19
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23 except (jt=lb) 25=871, 16=960, 13=417, 22=1946, 24=211, 15=379, 14=312, 21=813.
13) 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.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 123 lb down and 104 lb up at 15-6-12, 123 lb down and 104 lb up at 17-6-12, 123 lb down and 104 lb up at 19-6-12, 123 lb down and 104 lb up at 21-6-12, 123 lb down and 104 lb up at 23-6-12, 123 lb down and 104 lb up at 25-6-12, 123 lb down and 104 lb up at 27-6-12, 123 lb down and 104 lb up at 29-6-12, 123 lb down and 104 lb up at 31-6-12, 123 lb down and 104 lb up at 33-6-12, 123 lb down and 104 lb up at 35-6-12, and 123 lb down and 104 lb up at 37-6-12, and 123 lb down and 104 lb up at 39-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
17) Attic room checked for L/360 deflection.
18) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-4=-60, 4-6=-60, 6-8=-60, 8-9=-60, 9-10=-80, 10-13=-60, 19-58=-20, 17-19=-40, 17-61=-20, 5-9=-20
      Drag: 5-19=-10, 10-17=-10
   Concentrated Loads (lb)
      Vert: 17=-123(F) 64=-123(F) 65=-123(F) 66=-123(F) 67=-123(F) 68=-123(F) 69=-123(F) 70=-123(F) 71=-123(F) 72=-123(F) 73=-123(F) 74=-123(F) 75=-123(F)

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	A2	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. Tue Oct 8 16:56:07 2024 Page 1

ID:yloiT?3fmrMkY0e33k549ysxyT-xZ1SKb1hdb0V25iKhG?DHpGTGyLcMVce3oK3eHyVQmM

6-5-8	13-0-12	15-11-8	20-5-8	24-11-8	27-5-0	29-6-4	35-5-8	40-11-0
6-5-8	6-7-4	2-10-12	4-6-0	4-6-0	2-5-8	2-1-4	5-11-4	5-5-8

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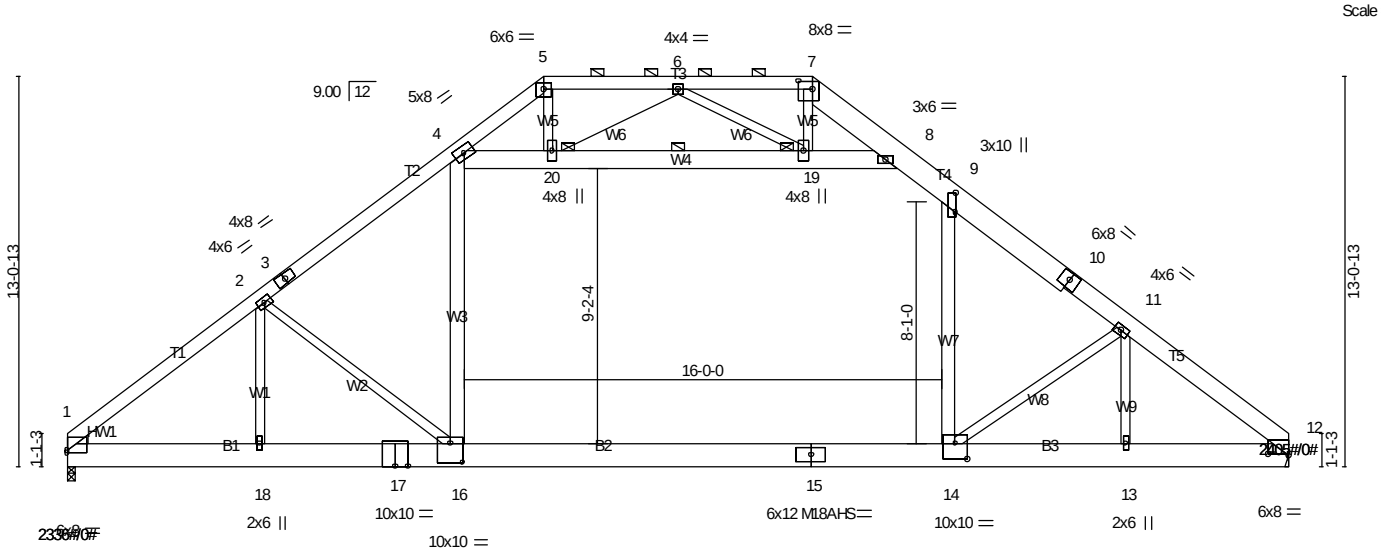


6-5-8	13-0-12	29-6-4	35-5-8	40-11-0
6-5-8	6-7-4	16-5-8	5-11-4	5-5-8

Plate Offsets (X,Y)-- [1:0-0-0,0-0-13], [7:0-5-8,0-3-8], [9:0-7-13,0-0-4], [12:0-8-0,0-0-9], [14:0-5-0,0-6-8], [16:0-5-0,0-7-12]

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 0.47	Vert(LL)	-0.30	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.50	Vert(CT)	-0.49	14-16	>999	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr YES	WB 0.36	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL)	0.15	14	>999	240	Weight: 443 lb	FT = 25%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
T4: 2x10 SP No.1, T5: 2x8 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x4 SP No.2 *Except*
W3,W7: 2x6 SP No.1, W4: 2x8 SP No.1

WEDGE
Left: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 19-20
JOINTS 1 Brace at Jt(s): 19, 20

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. 0-1-15), 12=Mechanical
Max Horz 1=-290(LC 8)
Max Grav 1=2336(LC 20), 12=2405(LC 21)

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

TOP CHORD 1-27=-3157/77, 2-27=-3017/101, 2-3=-3349/28, 3-28=-3262/47, 4-28=-3251/71, 4-5=-967/169, 5-29=-712/145, 6-29=-712/145, 6-30=-682/216, 7-30=-682/216, 7-8=-890/182, 8-9=-2521/176, 9-31=-3294/15, 10-31=-3326/0, 10-11=-3456/0, 11-32=-3219/81, 12-32=-3351/62

BOT CHORD 1-18=0/2634, 17-18=0/2634, 16-17=0/2634, 15-16=0/2661, 14-15=0/2661, 13-14=0/2611, 12-13=0/2611

WEBS 2-18=-645/51, 2-16=-228/470, 4-16=0/1331, 9-14=0/1383, 11-14=-412/343, 11-13=-568/69, 4-20=-2011/73, 19-20=-1991/0, 8-19=-2391/47, 7-19=0/430, 5-20=-17/450, 6-20=-316/238, 6-19=-500/150

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 4-4-13, Interior(1) 4-4-13 to 15-11-8, Exterior(2) 15-11-8 to 22-2-3, Interior(1) 22-2-3 to 24-11-8, Exterior(2) 24-11-8 to 31-2-3, Interior(1) 31-2-3 to 40-11-0 zone;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.
7) Ceiling dead load (10.0 psf) on member(s). 8-9, 4-20, 19-20, 8-19; Wall dead load (5.0psf) on member(s).4-16, 9-14
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
9) Refer to girder(s) for truss to truss connections.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	A3	ATTIC	3	1	Job Reference (optional)

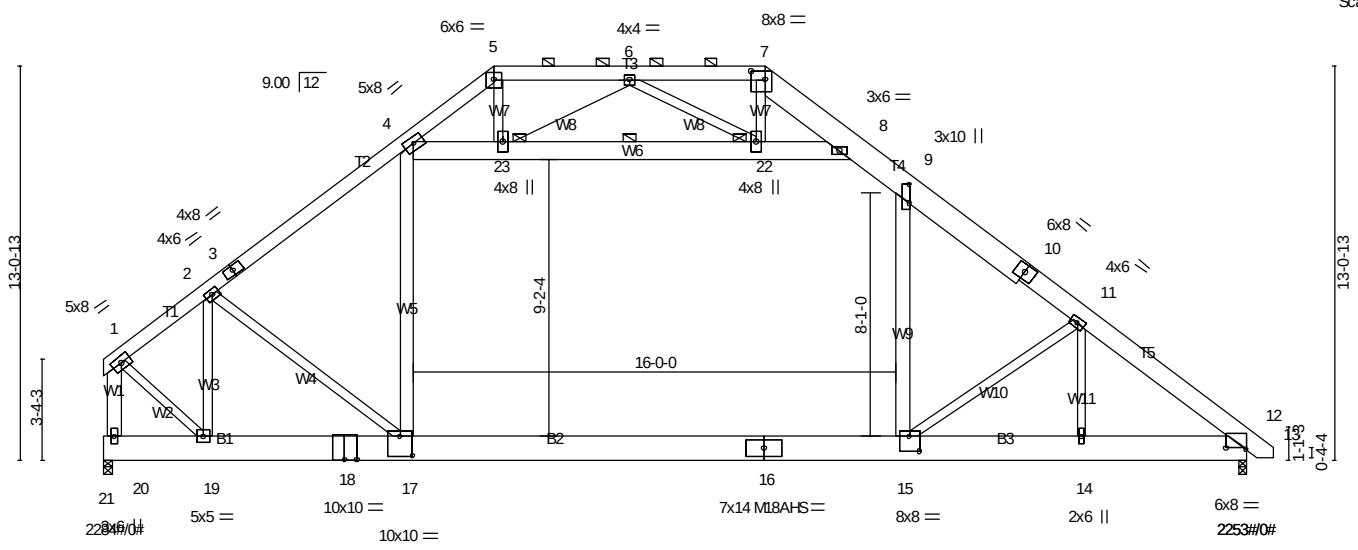
Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Oct 8 16:56:08 2024 Page 1

ID:yIoiT?3fmrMkY0e33k549ysxyT-PIbqXx2JOu8MfEHWF_WSq0pcXMfZ5sYoIS3dAjyVQmL

3-5-8	10-0-12	12-11-8	17-5-8	21-11-8	24-5-0	26-6-4	32-5-8	37-11-0	38-10-0
3-5-8	6-7-4	2-10-12	4-6-0	4-6-0	2-5-8	2-1-4	5-11-4	5-5-8	0-11-0

Scale = 1:76.5



3-5-8	10-0-12	26-6-4	32-5-8	37-11-0
3-5-8	6-7-4	16-5-8	5-11-4	5-5-8

Plate Offsets (X,Y)-- [7:0-5-8,0-3-8], [9:0-7-9,0-0-0], [12:0-8-0,0-0-9], [15:0-4-0,0-6-0], [17:0-5-0,0-7-12]

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	0.63	Vert(LL)	-0.33	15-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.57	15-17	>784	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.18	15	>999	240	Weight: 435 lb	FT = 25%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
T4: 2x10 SP No.1, T5: 2x8 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x4 SP No.2 *Except*
W5,W9,W1: 2x6 SP No.1, W6: 2x8 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 22-23
JOINTS 1 Brace at Jt(s): 22, 23

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

REACTIONS. (size) 12=0-3-0 (min. 0-1-14), 20=0-3-8 (min. 0-1-14)
Max Horz 20=-295(LC 8)
Max Grav 12=2253(LC 21), 20=2284(LC 2)

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

TOP CHORD 1-2=-1468/61, 2-3=-2765/11, 3-27=-2746/16, 27-28=-2729/29, 4-28=-2607/54, 4-5=-947/164, 5-29=-656/138, 6-29=-656/138, 6-30=-843/207, 7-30=-843/207, 7-8=-989/181, 8-9=-2129/163, 9-31=-2831/0, 10-31=-2862/0, 10-11=-2994/0, 11-32=-2997/67, 12-32=-3129/48, 1-20=-1932/61

BOT CHORD 19-20=-215/306, 18-19=-55/1319, 17-18=-55/1319, 16-17=0/2238, 15-16=0/2238, 14-15=0/2441, 12-14=0/2441

WEBS 2-19=-1842/6, 2-17=0/1490, 4-17=0/961, 9-15=0/1289, 11-15=-622/302, 11-14=-346/133, 4-23=-1663/66, 22-23=-1475/0, 8-22=-1711/29, 7-22=-0/337, 5-23=-21/495, 6-23=-431/206, 6-22=-351/176, 1-19=-24/1427

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) 3-4-4 to 7-9-1, Interior(1) 7-9-1 to 15-11-8, Exterior(2) 15-11-8 to 22-2-3, Interior(1) 22-2-3 to 24-11-8, Exterior(2) 24-11-8 to 31-2-3, Interior(1) 31-2-3 to 41-6-13 zone;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.
7) Ceiling dead load (10.0 psf) on member(s). 8-9, 4-23, 22-23, 8-22; Wall dead load (5.0psf) on member(s).4-17, 9-15
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-17
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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	A4	ATTIC	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. Tue Oct 8 16:56:09 2024 Page 1

ID:yloiT?3fmrMkY0e33k549ysxyT-ty9DIH2x8CGDHOsjph1hNELs?m1jqLbxX6pAjAyVQmK

3-5-8	10-0-12	12-11-8	17-5-8	21-11-8	24-5-0	26-6-4	32-5-8	37-11-0	38-10-0
3-5-8	6-7-4	2-10-12	4-6-0	4-6-0	2-5-8	2-1-4	5-11-4	5-5-8	0-11-0

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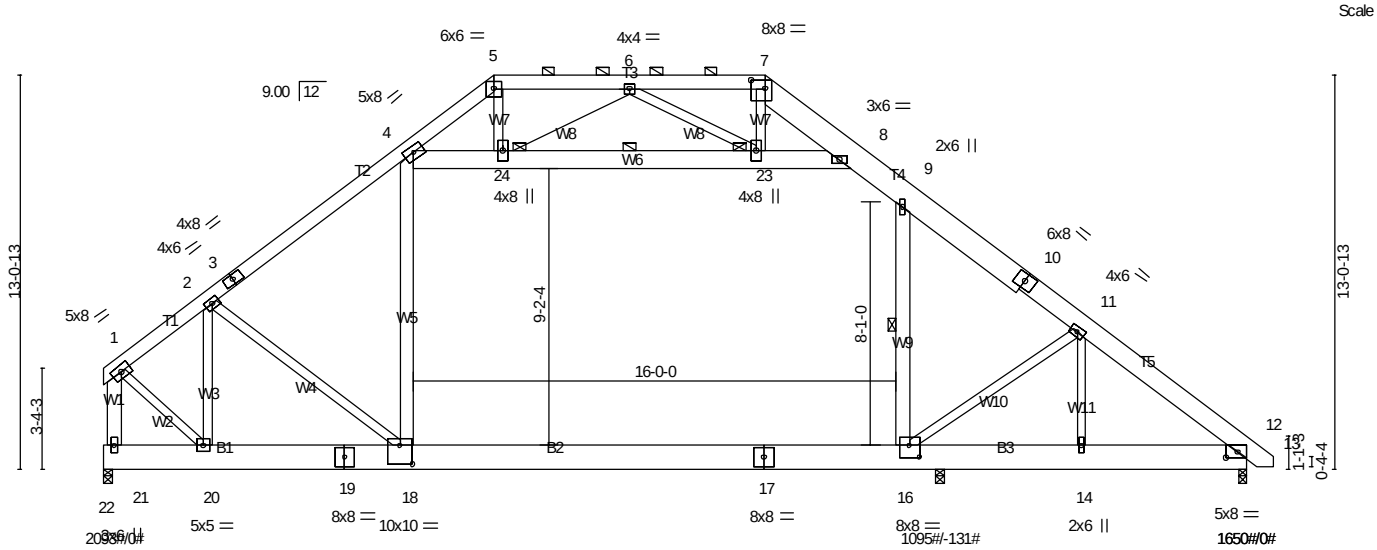


3-5-8	10-0-12	26-6-4	27-9-4	32-5-8	37-11-0
3-5-8	6-7-4	16-5-8	1-3-0	4-8-4	5-5-8

Plate Offsets (X,Y)-- [7:0-5-8,0-3-8], [12:0-4-10,0-2-8], [16:0-4-0,0-4-12], [18:0-5-0,0-7-8]

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	0.26	Vert(LL)	-0.28	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.44	16-18	>751	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.03	18	>999	240	Weight: 435 lb	FT = 25%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
T4: 2x10 SP No.1, T5: 2x8 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x4 SP No.2 *Except*
W5,W9,W1: 2x6 SP No.1, W6: 2x8 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 9-16, 23-24
JOINTS 1 Brace at Jt(s): 23, 24

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

REACTIONS. (size) 12=0-3-0 (min. 0-1-8), 21=0-3-8 (min. 0-1-12), 15=0-3-8 (min. 0-1-8)
Max Horz 21=-295(LC 8)
Max Uplift15=-131(LC 8)
Max Grav12=1650(LC 20), 21=2093(LC 20), 15=1095(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1406/54, 2-3=-2356/0, 3-28=-2317/0, 28-29=-2257/0, 4-29=-2253/19, 4-5=-902/160, 5-30=-676/140, 6-30=-676/140, 6-31=-585/187, 7-31=-585/187, 7-8=-837/169, 8-9=-1881/165, 9-32=-2325/0, 10-32=-2357/0, 10-11=-2485/0, 11-33=-1980/72, 12-33=-2112/53, 1-21=-1858/52
BOT CHORD 20-21=-238/310, 19-20=-77/1288, 18-19=-77/1288, 17-18=0/1944, 16-17=0/1944, 15-16=0/1657, 14-15=0/1657, 12-14=0/1657
WEBS 2-20=-1388/0, 2-18=0/975, 4-18=0/836, 9-16=-183/766, 11-16=-89/477, 11-14=-764/0, 4-24=-1315/68, 23-24=-1268/0, 8-23=-1602/29, 7-23=0/382, 5-24=-11/336, 6-24=-258/192, 6-23=-420/144, 1-20=-25/1413

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) 3-4-4 to 7-9-1, Interior(1) 7-9-1 to 15-11-8, Exterior(2) 15-11-8 to 22-2-3, Interior(1) 22-2-3 to 24-11-8, Exterior(2) 24-11-8 to 31-2-3, Interior(1) 31-2-3 to 41-6-13 zone;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) 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) Ceiling dead load (10.0 psf) on member(s). 8-9, 4-24, 23-24, 8-23; Wall dead load (5.0psf) on member(s).4-18, 9-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 16-18
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=131.
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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

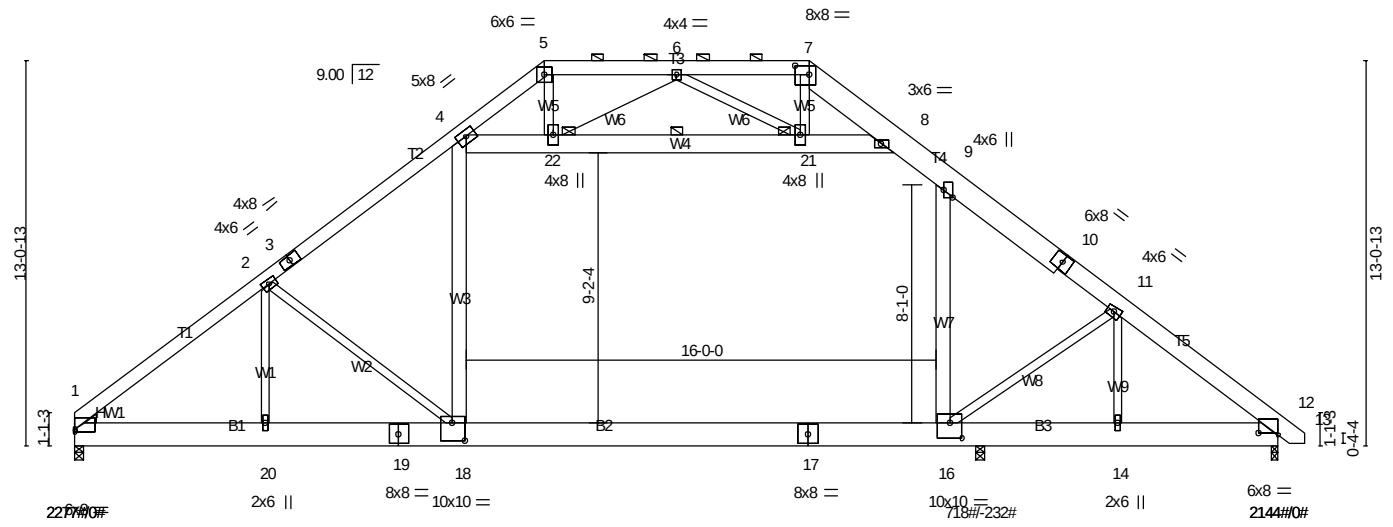
Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	A5	ATTIC	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Oct 8 16:56:10 2024 Page 1

ID:yIoiT?3fmrMkY0e33k549ysxyT-L8jbyd3aWO4vYRvNOYwwRu?aANYZro4llYjFcyVQmJ

6-5-8	13-0-12	15-11-8	20-5-8	24-11-8	27-5-0	29-6-4	35-5-8	40-11-0	41-10-0
6-5-8	6-7-4	2-10-12	4-6-0	4-6-0	2-5-8	2-1-4	5-11-4	5-5-8	0-11-0

Scale = 1:78.4



6-5-8	13-0-12	29-6-4	30-9-4	35-5-8	40-11-0
6-5-8	6-7-4	16-5-8	1-3-0	4-8-4	5-5-8

Plate Offsets (X,Y)-- [1:0-0-0,0-1-1], [7:0-5-8,0-3-8], [9:0-3-0,Edge], [12:0-8-0,0-0-13], [16:0-5-0,0-6-4], [18:0-5-0,0-7-8]

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	0.40	Vert(LL)	-0.29	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.49	Vert(CT)	-0.47	16-18	>788	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.39	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.05	18	>999	240	Weight: 445 lb	FT = 25%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
T4: 2x10 SP No.1, T5: 2x8 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x4 SP No.2 *Except*
W3,W7: 2x6 SP No.1, W4: 2x8 SP No.1
WEDGE
Left: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 21-22
JOINTS 1 Brace at Jt(s): 21, 22

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. 0-1-14), 12=0-3-0 (min. 0-1-12), 15=0-3-8 (min. 0-1-8)
Max Horz 1=-298(LC 8)
Max Uplift15=-232(LC 8)
Max Grav1=2277(LC 20), 12=2144(LC 20), 15=718(LC 21)

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

TOP CHORD 1-29=-3088/67, 2-29=-2923/91, 2-3=-3120/4, 3-30=-3022/23, 4-30=-3011/47, 4-5=-942/164, 5-31=-718/147, 6-31=-718/147, 6-32=-510/188, 7-32=-510/188, 7-8=-800/171, 8-9=-2395/181, 9-33=-3081/25, 10-33=-3113/3, 10-11=-3241/0, 11-34=-2733/95, 12-34=-2865/76
BOT CHORD 1-20=0/2588, 19-20=0/2588, 18-19=0/2588, 17-18=0/2548, 16-17=0/2548, 15-16=0/2251, 14-15=0/2251, 12-14=0/2251
WEBS 2-20=-459/44, 2-18=-341/300, 4-18=0/1238, 9-16=-22/1106, 11-16=-81/486, 11-14=-763/0, 4-22=-1873/80, 21-22=-1902/0, 8-21=-2334/50, 7-21=0/445, 5-22=-9/349, 6-21=-524/148

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 4-4-13, Interior(1) 4-4-13 to 15-11-8, Exterior(2) 15-11-8 to 22-2-3, Interior(1) 22-2-3 to 24-11-8, Exterior(2) 24-11-8 to 31-2-3, Interior(1) 31-2-3 to 41-6-13 zone;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) 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) Ceiling dead load (10.0 psf) on member(s). 8-9, 4-22, 21-22, 8-21; Wall dead load (5.0psf) on member(s).4-18, 9-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 16-18
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=232.
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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

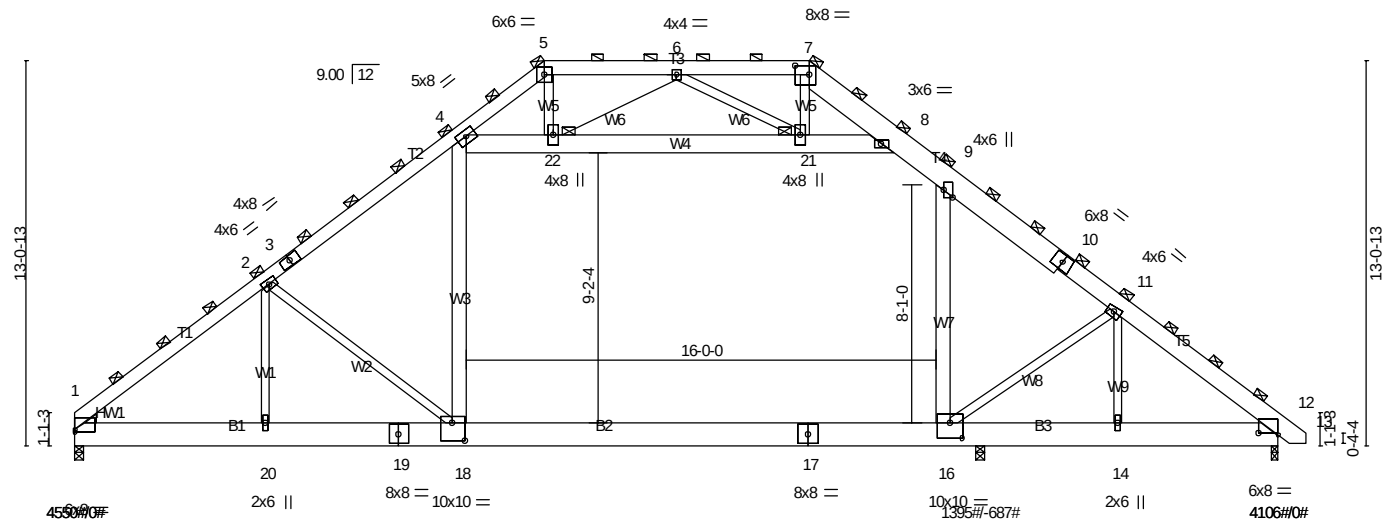
Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	A5-GR	ATTIC	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Jonathan Landry — Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Oct 8 16:56:11 2024 Page 1

ID:yloiT?3fmrMkY0e33k549ysxyT-pKHz9z4CgpWwWi05w649SfR95aitIKuE_PIHn2yVQmI

6-5-8	13-0-12	15-11-8	20-5-8	24-11-8	27-5-0	29-6-4	35-5-8	40-11-0	41-10-0
6-5-8	6-7-4	2-10-12	4-6-0	4-6-0	2-5-8	2-1-4	5-11-4	5-5-8	0-11-0

Scale = 1:78.4



6-5-8	13-0-12	29-6-4	30-9-4	35-5-8	40-11-0
6-5-8	6-7-4	16-5-8	1-3-0	4-8-4	5-5-8

Plate Offsets (X,Y)-- [1:0-0-0,0-1-1], [7:0-5-8,0-3-8], [9:0-3-0,Edge], [12:0-8-0,0-0-13], [16:0-5-0,0-6-4], [18:0-5-0,0-7-8]

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	0.48	Vert(LL)	-0.29	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.47	16-18	>781	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.27	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.05	18	>999	240	Weight: 891 lb	FT = 25%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
T4: 2x10 SP No.1, T5: 2x8 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x4 SP No.2 *Except*
W3,W7: 2x6 SP No.1, W4: 2x8 SP No.1
WEDGE
Left: 2x4 SP No.3

BRACING-

TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(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, 7, 21, 22

REACTIONS. (size) 1=0-3-8 (min. 0-1-14), 12=0-3-0 (min. 0-1-11), 15=0-3-8 (min. 0-1-8)
Max Horz 1=-596(LC 4)
Max Uplift15=-687(LC 4)
Max Grav1=4550(LC 16), 12=4106(LC 16), 15=1395(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6169/0, 2-3=-6232/0, 3-4=-6017/0, 4-5=-1865/0, 5-6=-1411/0, 6-7=-1000/308, 7-8=-1585/167, 8-9=-4788/0, 9-10=-6154/0, 10-11=-6472/0, 11-12=-5584/0
BOT CHORD 1-20=0/5168, 19-20=0/5168, 18-19=0/5168, 17-18=0/5094, 16-17=0/5094, 15-16=0/4376, 14-15=0/4376, 12-14=0/4376
WEBS 2-20=-913/91, 2-18=-445/556, 4-18=0/2469, 9-16=-44/2199, 11-16=0/994, 11-14=-1645/0, 4-22=-3770/0, 21-22=-3819/0, 8-21=-4684/0, 7-21=0/895, 5-22=0/706, 6-22=-424/402, 6-21=-1057/180

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, 2x10 - 2 rows staggered at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 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, 2x8 - 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); porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
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). 8-9, 4-22, 21-22, 8-21; Wall dead load (5.0psf) on member(s).4-18, 9-16
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 16-18
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=687.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	A6-GR	GABLE	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. Tue Oct 8 16:56:12 2024 Page 1

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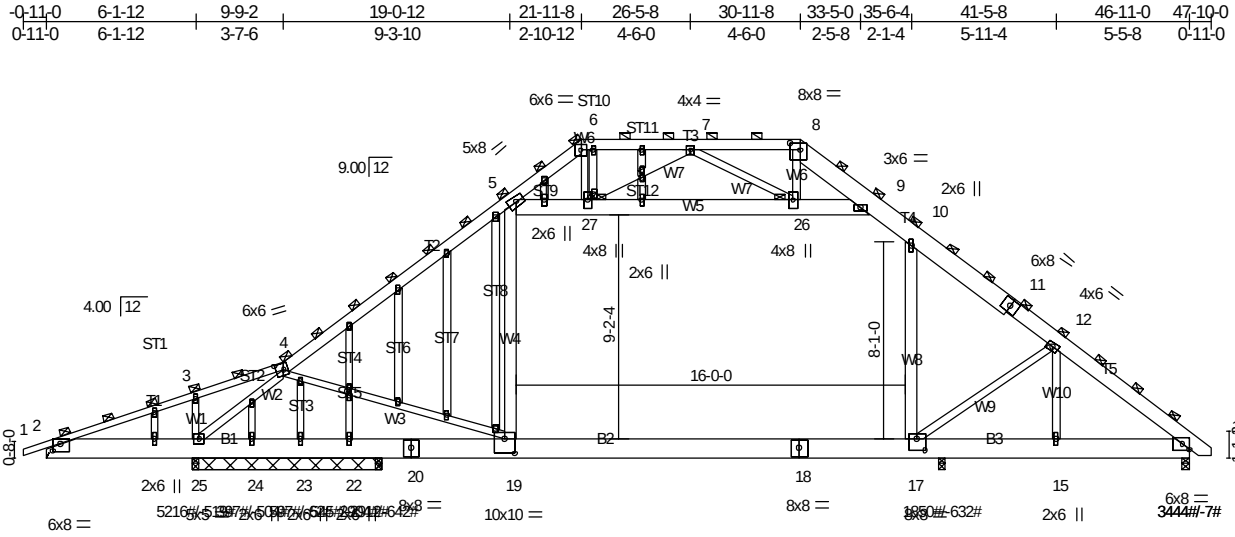

Plate Offsets (X,Y)-- [2:0-4-0,0-3-10], [4:0-3-12,0-2-12], [8:0-5-0,0-3-4], [17:0-4-0,0-5-12], [19:0-5-0,0-7-4], [27:0-2-0,0-0-8], [30:0-1-15,0-1-0], [40:0-1-10,0-1-0]

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	0.62	Vert(LL)	-0.31	17-19	>890	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.51	17-19	>544	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.03	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.06	17-19	>999	240	Weight: 1060 lb	FT = 25%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
T1: 2x4 SP No.1, T4: 2x10 SP No.1, T5: 2x8 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x4 SP No.2 *Except*
W4,W8: 2x6 SP No.1, W5: 2x8 SP No.1
OTHERS 2x4 SP No.2

BRACING-

TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 2-25.
JOINTS 1 Brace at Jt(s): 4, 6, 8, 26, 27

REACTIONS. All bearings 0-3-8 except (jt=length) 22=7-9-8, 23=7-9-8, 24=7-9-8.
(lb) - Max Horz 25=792(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 23, 13 except 25=-519(LC 8), 22=-2912(LC 16), 24=-504(LC 1), 21=-642(LC 8), 16=-632(LC 4)
Max Grav All reactions 250 lb or less at joint(s) except 25=5216(LC 2), 25=4734(LC 1), 22=545(LC 8), 23=597(LC 20), 24=397(LC 4), 21=2904(LC 16), 16=1850(LC 17), 13=3444(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-441/1457, 3-4=-311/1426, 4-5=-5141/0, 5-6=-1673/217, 6-7=-1215/193, 7-8=-1092/467, 8-9=-1617/386, 9-10=-4046/103, 10-11=-5080/0, 11-12=-5399/0, 12-13=-4422/123
BOT CHORD 2-25=-1291/544, 24-25=-199/3775, 23-24=-199/3775, 22-23=-199/3775, 21-22=-199/3775, 20-21=-199/3775, 19-20=-199/3775, 18-19=0/4269, 17-18=0/4269, 16-17=-13/3476, 15-16=-13/3476, 13-15=-13/3476
WEBS 3-25=-534/398, 4-25=-6096/170, 4-19=-9/898, 5-19=0/1943, 10-17=-248/1870, 12-17=0/1067, 12-15=-1744/0, 5-27=-3307/430, 26-27=-3242/217, 9-26=-3841/301, 8-26=0/787, 6-27=0/768, 7-27=-541/480, 7-26=-877/316

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 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, 2x8 - 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) gable end zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) 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.
6) Provide adequate drainage to prevent water ponding.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Ceiling dead load (10.0 psf) on member(s). 9-10, 5-27, 26-27, 9-26; Wall dead load (5.0psf) on member(s).5-19, 10-17
12) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 17-19

Continued on page 2

NOTES-

13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23, 13 except (jt=lb) 25=519, 22=2912, 24=504, 21=642, 16=632.
14) 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.
15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
16) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
17) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	B1	ATTIC	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. Tue Oct 8 16:56:14 2024 Page 1

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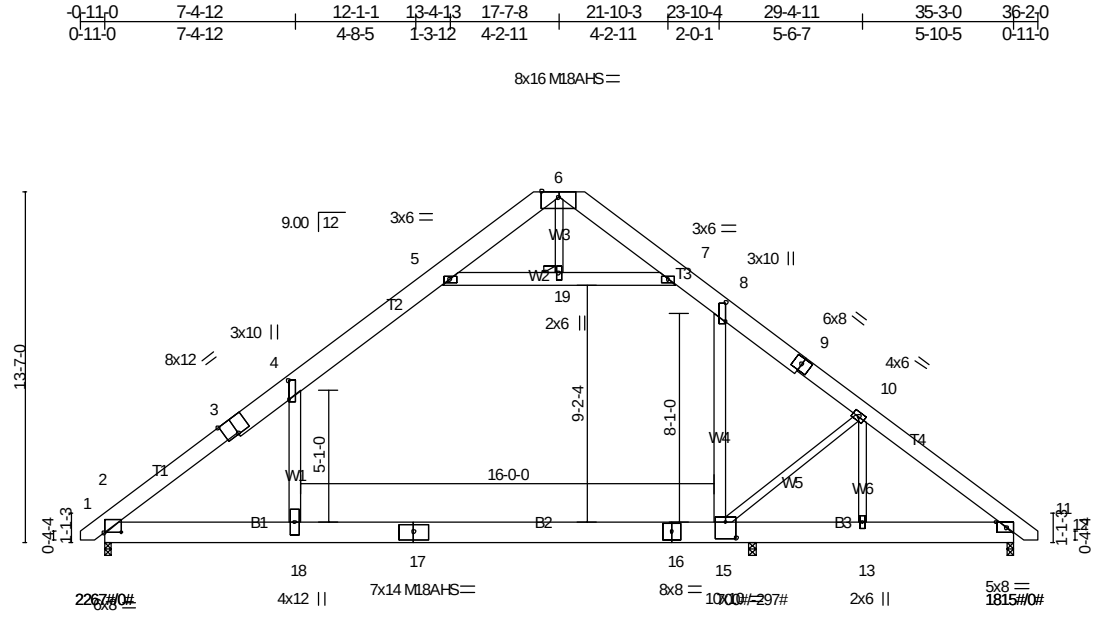

Plate Offsets (X,Y)-- [2:0-8-0,0-0-5], [3:0-6-0,Edge], [4:0-9-1,0-0-4], [8:0-9-1,0-0-4], [11:0-4-10,0-2-8], [15:0-5-0,0-7-8]

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	0.47	Vert(LL)	-0.38	15-18	>787	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.64	15-18	>468	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.10	15-18	>999	240	Weight: 375 lb	FT = 25%

LUMBER-

TOP CHORD 2x10 SP 2400F 2.0E *Except*
T1,T4: 2x8 SP 2400F 2.0E
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x6 SP No.1 *Except*
W5,W6,W3: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
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) 2=0-3-8 (min. 0-1-14), 11=0-3-0 (min. 0-1-8), 14=0-3-8 (min. 0-1-8)
Max Horz 2=-317(LC 10)
Max Uplift14=-297(LC 8)
Max Grav2=2267(LC 20), 11=1815(LC 20), 14=700(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-26=-3001/0, 3-26=-2868/0, 3-4=-2808/0, 4-5=-2214/158, 6-28=-118/343, 7-28=-130/290, 7-8=-1963/182, 8-9=-2769/79, 9-10=-2919/45, 10-29=-2301/312, 11-29=-2444/290
BOT CHORD 2-18=0/2273, 17-18=0/2273, 16-17=0/2273, 15-16=0/2273, 14-15=-104/1915, 13-14=-104/1915, 11-13=-104/1915
WEBS 4-18=0/1221, 8-15=-56/1309, 10-15=-41/524, 10-13=-924/0, 5-19=-2520/152, 7-19=-2520/152

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) -0-7-13 to 3-9-0, Interior(1) 3-9-0 to 17-7-8, Exterior(2) 17-7-8 to 22-0-5, Interior(1) 22-0-5 to 35-10-13 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (10.0 psf) on member(s). 4-5, 7-8, 5-19, 7-19; Wall dead load (5.0psf) on member(s).4-18, 8-15
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 15-18
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=297.
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.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	C1	COMMON	5	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. Tue Oct 8 16:56:15 2024 Page 1

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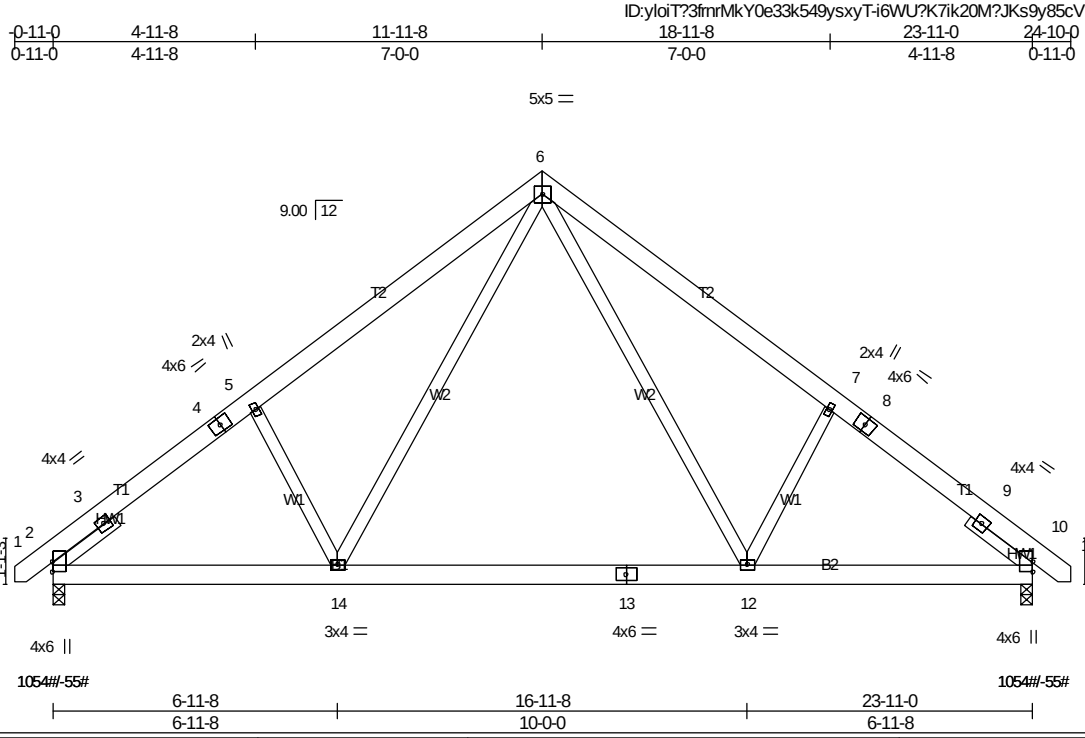

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.17	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.24	12-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.02	12-14	>999	240	Weight: 181 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.

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. 0-1-8), 10=0-3-8 (min. 0-1-8)
Max Horz 2=-229(LC 10)
Max Uplift2=-55(LC 12), 10=-55(LC 13)
Max Grav2=1054(LC 19), 10=1054(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-496/99, 3-23=-1327/263, 4-23=-1239/276, 4-5=-1230/282, 5-24=-1262/343, 6-24=-1163/375, 6-25=-1163/375, 7-25=-1262/343, 7-8=-1231/282, 8-26=-1240/276, 9-26=-1327/263, 9-10=-496/99
BOT CHORD 2-14=-113/1144, 14-27=0/742, 13-27=0/742, 13-28=0/742, 12-28=0/742, 10-12=-119/987
WEBS 6-12=-119/625, 7-12=-336/245, 6-14=-119/625, 5-14=-336/245

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 11-11-8, Exterior(2) 11-11-8 to 16-4-5, Interior(1) 16-4-5 to 24-8-4 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	Goins Residence
J0724-4226	C1GE	COMMON SUPPORTED GAB	1	1	Job Reference (optional)

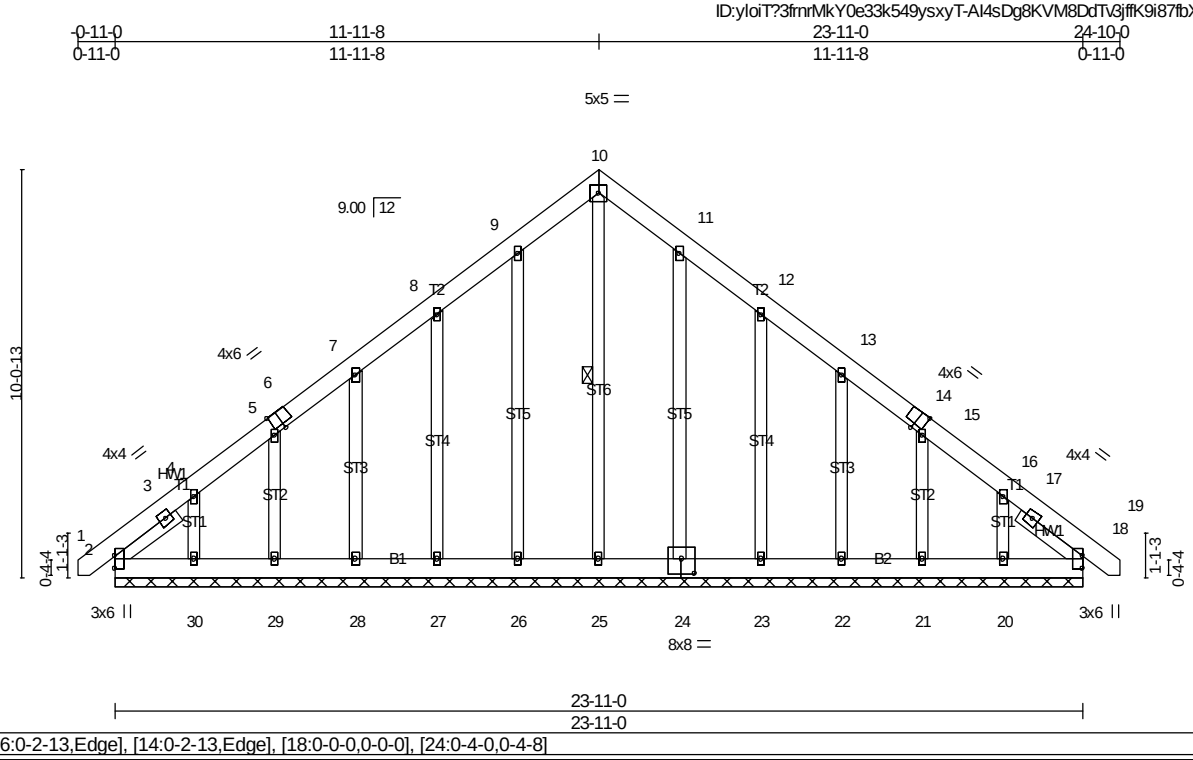

Plate Offsets (X,Y)-- [6:0-2-13,Edge], [14:0-2-13,Edge], [18:0-0-0,0-0-0], [24:0-4-0,0-4-8]

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	0.04	Vert(LL)	-0.00	18	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	18	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 220 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 1-11-0, Right 2x4 SP No.2 1-11-0

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 1 Row at midpt 10-25

REACTIONS. All bearings 23-11-0.
(lb) - Max Horz 2=-286(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 26, 28, 29, 24, 22, 21, 18 except 2=-104(LC 8), 27=-109(LC 12), 30=-196(LC 12), 23=-113(LC 13), 20=-181(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 25, 26, 27, 28, 29, 30, 24, 23, 22, 21, 20, 18

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-344/229, 3-4=-322/231, 16-17=-259/166, 17-18=-281/163

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) 26, 28, 29, 24, 22, 21, 18 except (jt=lb) 2=104, 27=109, 30=196, 23=113, 20=181.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	C1SG	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. Tue Oct 8 16:56:17 2024 Page 1

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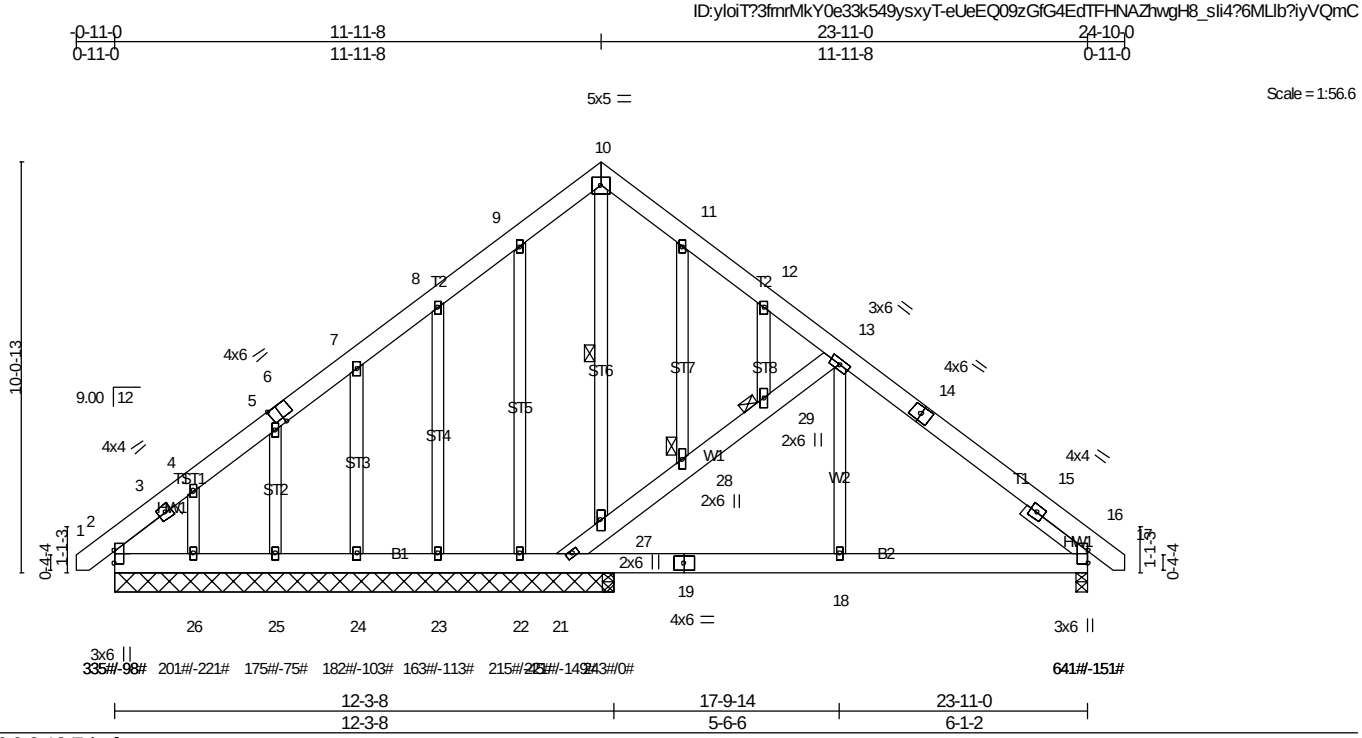

Plate Offsets (X,Y)-- [6:0-2-13,Edge]

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	0.12	Vert(LL)	-0.01	18-36	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.01	18-36	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	16	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.01	18-36	>999	240	Weight: 223 lb	FT = 25%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x6 SP No.1 *Except*
	W2: 2x4 SP No.2
OTHERS	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 10-27
JOINTS	1 Brace at Jt(s): 28, 29

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

REACTIONS. All bearings 12-3-8 except (jt=length) 16=0-3-8, 20=0-3-8.
(lb) - Max Horz 2=-286(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 22, 25 except 16=-151(LC 13), 23=-113(LC 12), 24=-103(LC 12), 26=-221(LC 12), 21=-149(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 22, 23, 24, 25, 26, 21, 20 except 2=335(LC 20), 16=641(LC 1), 2=262(LC 1)

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

TOP CHORD	3-4=-329/193, 4-5=-284/140, 5-6=-277/115, 6-7=-273/130, 7-8=-260/139, 9-10=-259/214, 12-13=-269/143, 13-14=-482/178, 14-15=-566/155, 15-16=-297/7
BOT CHORD	20-21=-3/453, 19-20=-3/453, 18-19=-3/453, 16-18=-3/453
WEBS	21-27=-494/244, 27-28=-550/315, 28-29=-505/274, 13-29=-506/276

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 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 22, 25, 2 except (jt=lb) 16=151, 23=113, 24=103, 26=221, 21=149.
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	Goins Residence
J0724-4226	C2	COMMON	11	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. Tue Oct 8 16:56:18 2024 Page 1

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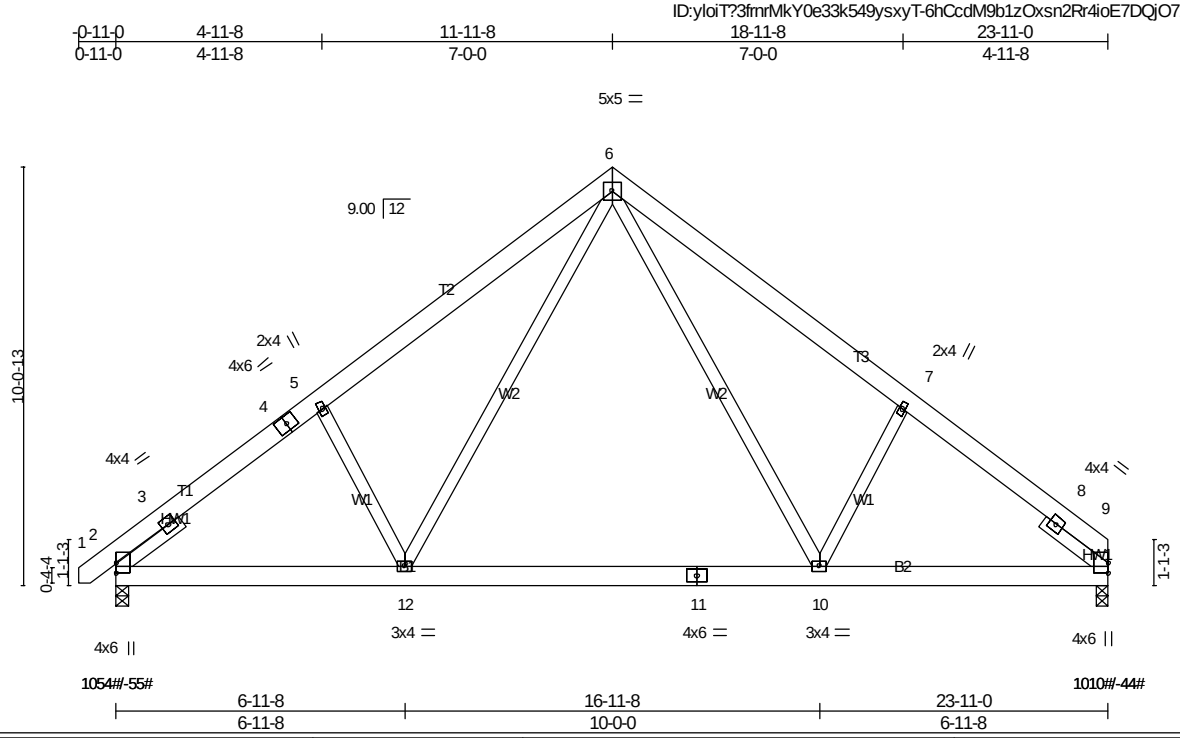

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.17	10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.24	10-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.02	10-12	>999	240	Weight: 179 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.

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

REACTIONS. (size) 9=0-3-8 (min. 0-1-8), 2=0-3-8 (min. 0-1-8)
Max Horz 2=224(LC 9)
Max Uplift9=-44(LC 13), 2=-55(LC 12)
Max Grav9=1010(LC 20), 2=1054(LC 19)

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

TOP CHORD	2-3=-496/99, 3-21=-1328/263, 4-21=-1240/276, 4-5=-1231/282, 5-22=-1263/343, 6-22=-1164/375, 6-23=-1166/382, 7-23=-1266/351, 7-24=-1233/288, 8-24=-1330/284, 8-9=-497/102
BOT CHORD	2-12=-138/1138, 12-25=0/736, 11-25=0/736, 11-26=0/736, 10-26=0/736, 9-10=-139/983
WEBS	6-10=-123/628, 7-10=-336/245, 6-12=-119/624, 5-12=-336/245

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 11-11-8, Exterior(2) 11-11-8 to 16-4-5, Interior(1) 16-4-5 to 23-11-0 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 2.
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	Goins Residence
J0724-4226	C2-GR	COMMON	2	**2**	Job Reference (optional)

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

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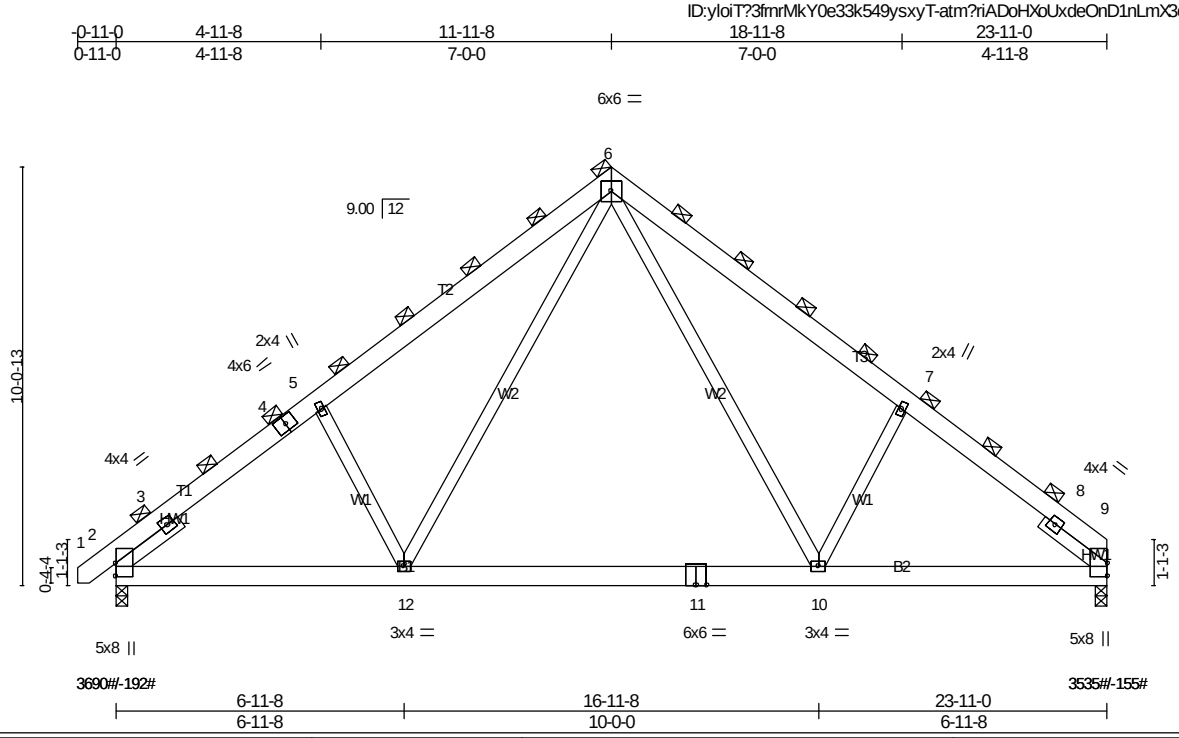

LOADING (psf)		**SPACING-** 7-0-0	**CSI.**	**DEFL.** in (loc) l/defl L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.15	TC 0.48	Vert(LL) -0.30 10-12 >959 360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.88	Vert(CT) -0.44 10-12 >655 240		
BCLL	0.0 *	Rep Stress Incr NO	WB 0.24	Horz(CT) 0.05 9 n/a n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.05 10-12 >999 240	Weight: 358 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 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 9=0-3-8 (min. 0-2-1), 2=0-3-8 (min. 0-2-3)
Max Horz 2=785(LC 9)
Max Uplift9=-155(LC 13), 2=-192(LC 12)
Max Grav9=3535(LC 20), 2=3690(LC 19)

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

TOP CHORD 2-3=-2245/476, 3-21=-4663/964, 4-21=-4357/976, 4-5=-4325/995, 5-22=-4449/1218, 6-22=-4081/1328, 6-23=-4090/1354, 7-23=-4458/1243, 7-24=-4333/1016, 8-24=-4671/1004, 8-9=-2239/463
BOT CHORD 2-12=-500/4015, 12-25=0/2551, 11-25=0/2551, 11-26=0/2551, 10-26=0/2551, 9-10=-503/3471
WEBS 6-10=-461/2251, 7-10=-1248/897, 6-12=-448/2238, 5-12=-1247/896

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.
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) -0-9-4 to 3-7-9, Interior(1) 3-7-9 to 11-11-8, Exterior(2) 11-11-8 to 16-4-5, Interior(1) 16-4-5 to 23-11-0 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) except (jt=lb) 9=155, 2=192.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	C3	ROOF SPECIAL	5	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. Tue Oct 8 16:56:20 2024 Page 1

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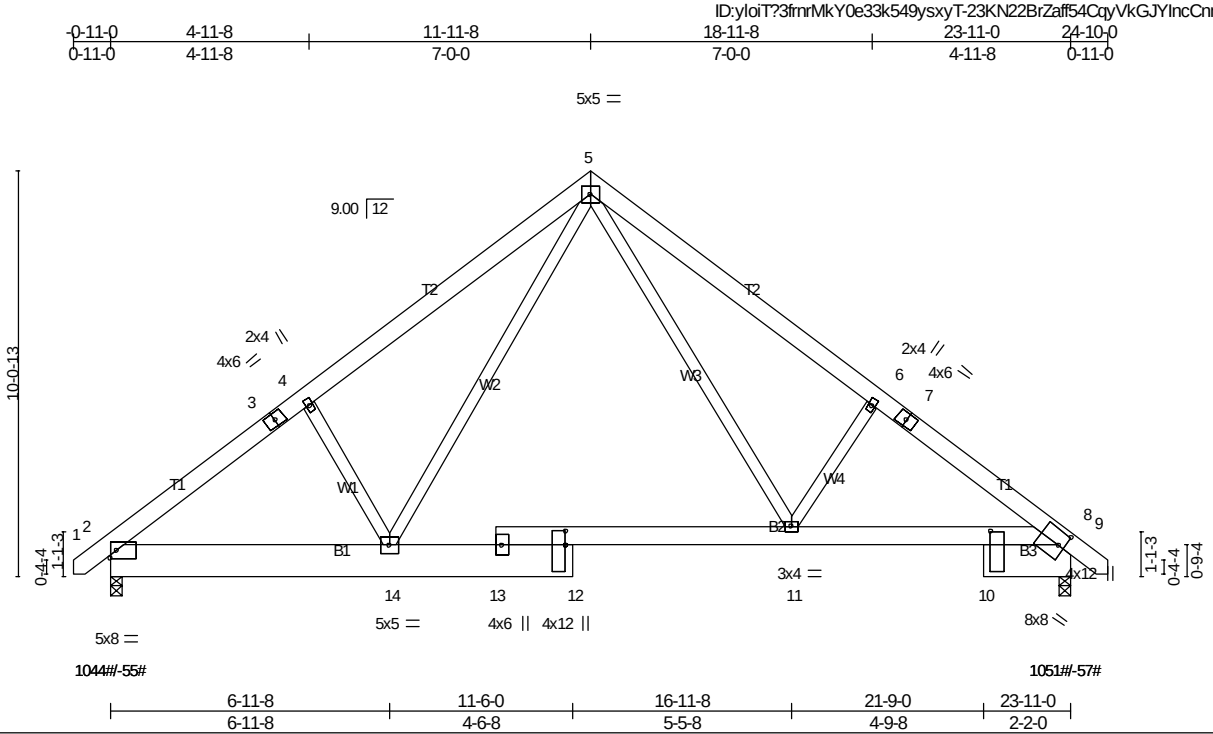


Plate Offsets (X,Y)-- [8:0-1-14,0-4-0], [12:0-4-1,10-6-13], [12:0-4-4,0-0-0]

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	0.17	Vert(LL)	-0.12	11-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.19	11-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.03	11-14	>999	240	Weight: 203 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x10 SP No.1 *Except*
B2: 2x6 SP No.1
WEBS 2x4 SP No.2

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.

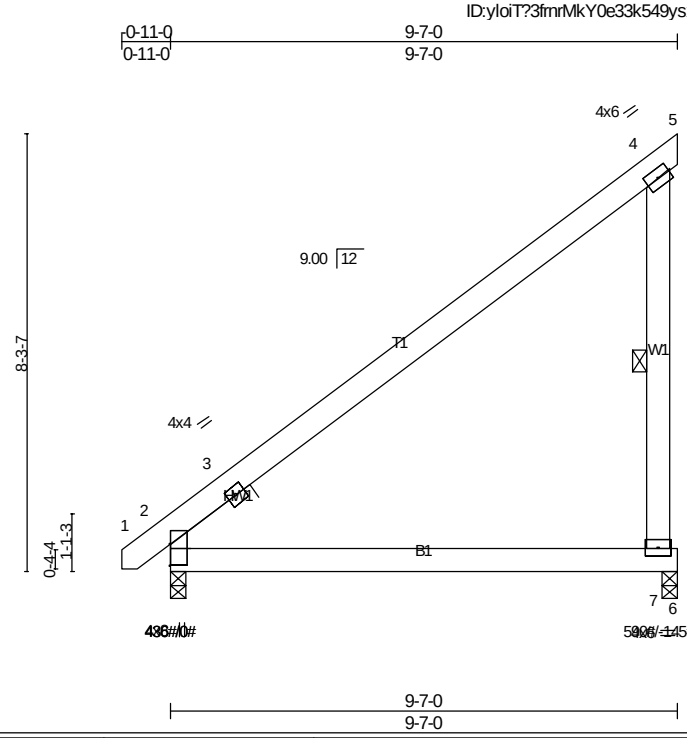
REACTIONS. (size) 2=0-3-8 (min. 0-1-8), 8=0-3-8 (min. 0-1-8)
Max Horz 2=-230(LC 10)
Max Uplift2=-55(LC 12), 8=-57(LC 13)
Max Grav2=1044(LC 19), 8=1051(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-1421/252, 3-22=-1308/266, 3-4=-1299/271, 4-23=-1335/330, 5-23=-1231/362, 5-24=-1312/370, 6-24=-1419/339, 6-7=-1400/298, 7-25=-1410/293, 8-25=-1494/279
BOT CHORD 2-14=-109/1227, 14-26=0/777, 13-26=0/777, 12-13=0/740, 12-27=0/777, 11-27=0/777, 10-11=-143/1177, 8-10=-143/1177
WEBS 5-14=-109/656, 5-11=-127/769, 6-11=-407/250, 4-14=-372/254

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) and C-C Exterior(2) -0-9-4 to 3-7-9, Interior(1) 3-7-9 to 11-11-8, Exterior(2) 11-11-8 to 16-4-5, Interior(1) 16-4-5 to 24-8-4 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, 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	Goins Residence
J0724-4226	C4	MONOPITCH	5	1	Job Reference (optional)



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)	-0.07	7-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.13	7-10	>850	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.03	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.05	7-10	>999	240	Weight: 73 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x6 SP No.1
SLIDER Left 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 4-7

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

REACTIONS. (size) 7=0-3-8 (min. 0-1-8), 2=0-3-8 (min. 0-1-8)
Max Horz 2=247(LC 12)
Max Uplift 7=-145(LC 12)
Max Grav 7=590(LC 19), 2=436(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-364/157, 4-7=-345/258

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) -0-9-4 to 3-7-9, Interior(1) 3-7-9 to 9-7-0 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, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=145.
5) 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.
6) 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	Goins Residence
J0724-4226	D1	COMMON	3	1	Job Reference (optional)

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

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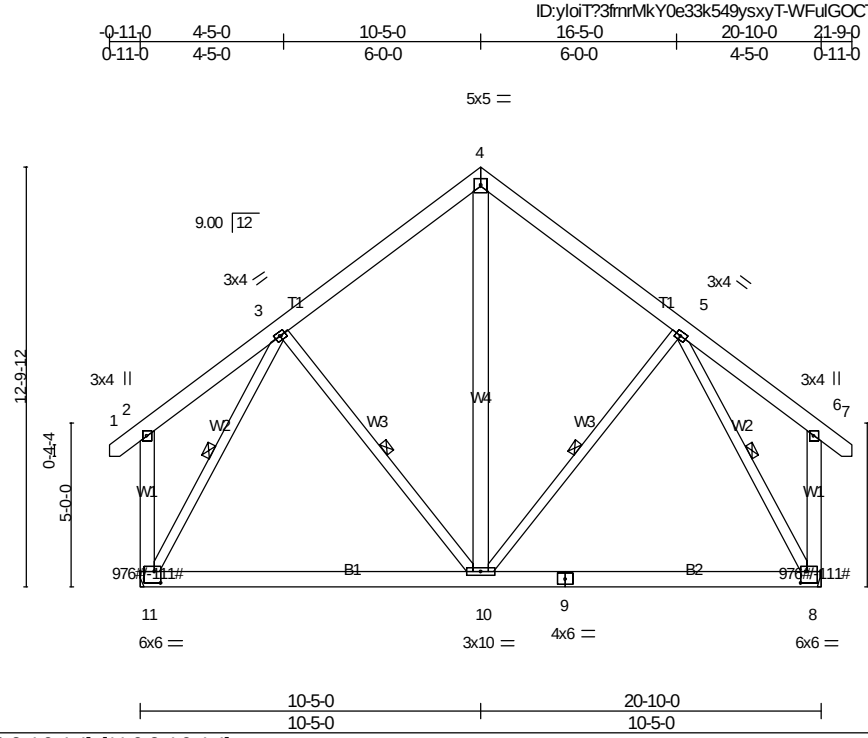

Plate Offsets (X,Y)-- [3:0-0-0,0-0-0], [8:0-2-4,0-4-4], [11:0-2-4,0-4-4]

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	0.22	Vert(LL)	-0.10	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.15	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.10	10-11	>999	240	Weight: 215 lb	FT = 25%

LUMBER-

TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W4,W1: 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 5-10, 3-10, 3-11, 5-8

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

REACTIONS. (size) 11=Mechanical, 8=Mechanical
Max Horz 11=-201(LC 10)
Max Uplift 11=-111(LC 8), 8=-111(LC 9)
Max Grav 11=976(LC 2), 8=976(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-13=-621/593, 4-13=-532/625, 4-14=-532/625, 5-14=-621/593
BOT CHORD 11-16=-257/455, 16-17=-257/455, 10-17=-257/455, 9-10=-254/372, 9-18=-254/372, 18-19=-254/372, 8-19=-254/372
WEBS 4-10=-532/359, 3-11=-668/433, 5-8=-668/433

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 10-5-0, Exterior(2) 10-5-0 to 14-9-13, Interior(1) 14-9-13 to 21-7-4 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
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) 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) except (jt=lb) 11=111, 8=111.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	D1GE	COMMON SUPPORTED GAB	1	1	Job Reference (optional)

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

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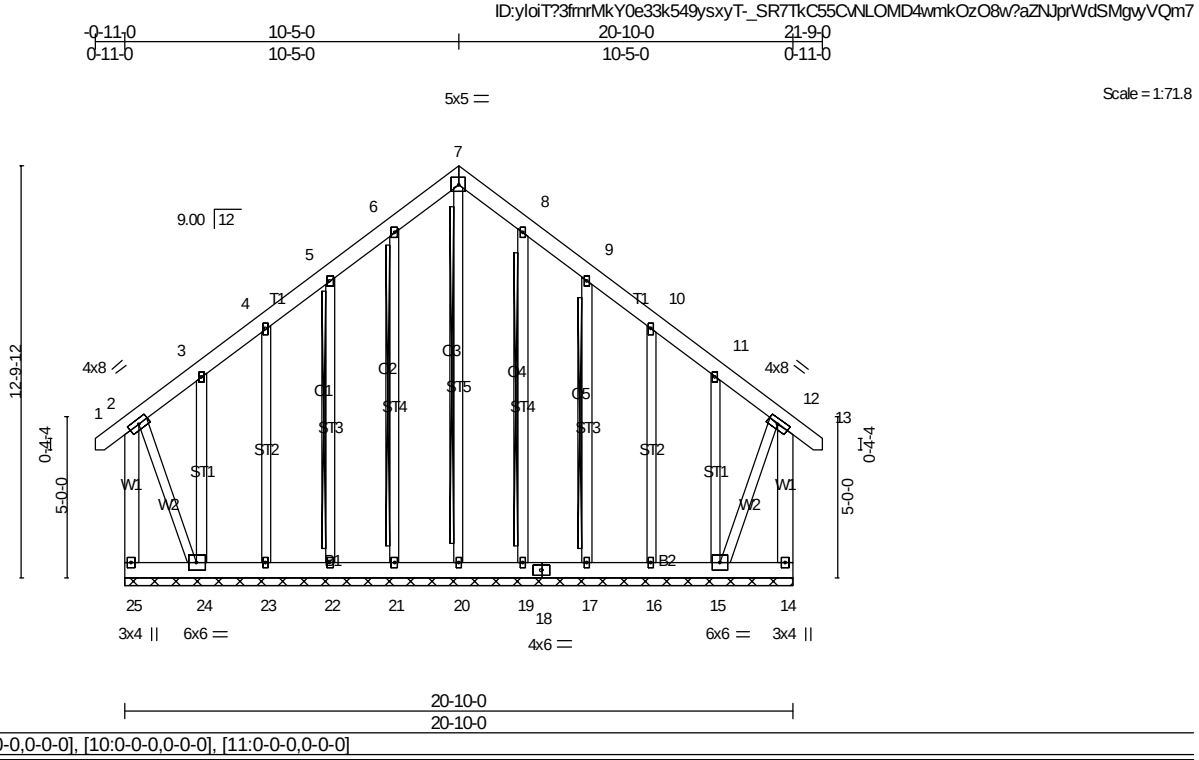

Plate Offsets (X,Y)-- [8:0-0-0,0-0-0], [9:0-0-0,0-0-0], [10:0-0-0,0-0-0], [11:0-0-0,0-0-0]

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	0.05	Vert(LL)	-0.00	12	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	12	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 265 lb	FT = 25%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x6 SP No.1 *Except*
	W2: 2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	T-Brace: 2x4 SPF No.2 - 7-20, 6-21, 5-22, 8-19, 9-17
	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.

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

REACTIONS. All bearings 20-10-0.
(lb) - Max Horz 25=-251(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 21, 19 except 25=-277(LC 10), 14=-234(LC 11), 22=-114(LC 12), 23=-103(LC 12), 24=-424(LC 12), 17=-115(LC 13), 16=-103(LC 13), 15=-402(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 20, 21, 22, 23, 19, 17, 16 except 25=386(LC 11), 14=344(LC 8), 24=424(LC 10), 15=392(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-25=-366/289, 5-6=-205/257, 6-7=-244/305, 7-8=-244/305, 8-9=-205/257, 12-14=-327/247
WEBS 2-24=-306/357, 12-15=-272/334

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; porch left and right 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 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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 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) 21, 19 except (jt=lb) 25=277, 14=234, 22=114, 23=103, 24=424, 17=115, 16=103, 15=402.
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	Goins Residence
J0724-4226	G1	COMMON	2	1	Job Reference (optional)

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

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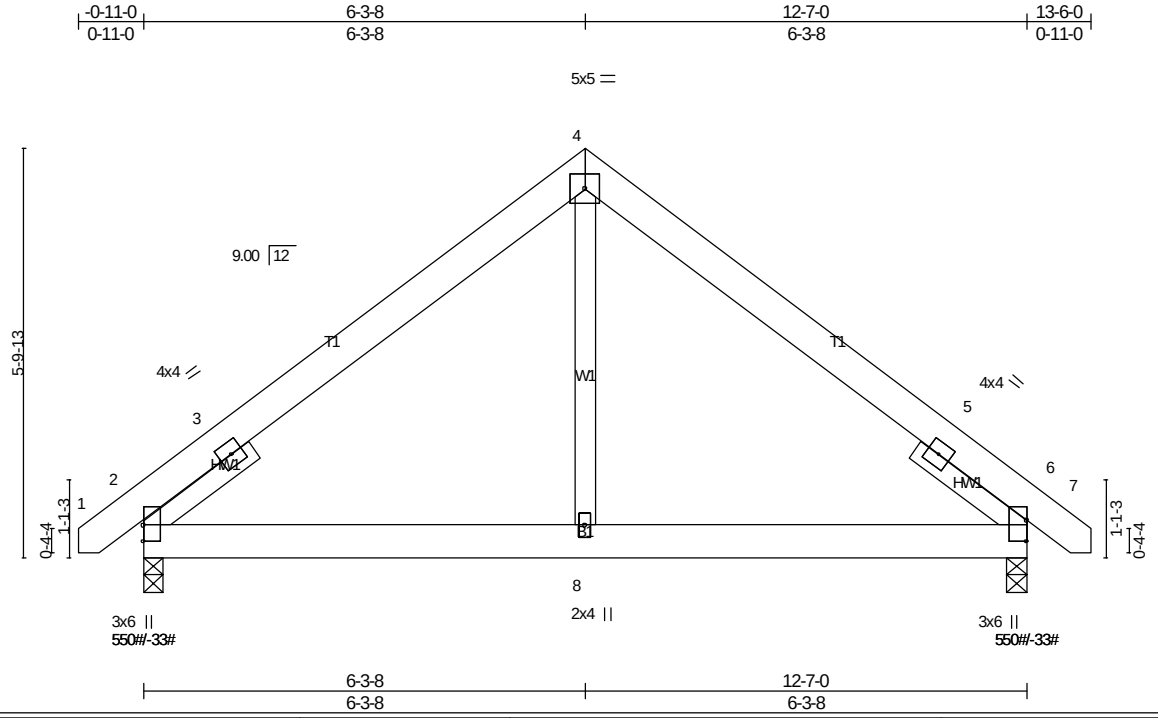

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	-0.01	8-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.02	8-15	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.01	8-11	>999	240	Weight: 85 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.

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. 0-1-8), 6=0-3-8 (min. 0-1-8)
Max Horz 2=127(LC 11)
Max Uplift2=-33(LC 12), 6=-33(LC 13)
Max Grav2=550(LC 1), 6=550(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-17=-477/144, 17-18=-456/152, 4-18=-451/176, 4-19=-451/176, 19-20=-456/152, 5-20=-477/144
BOT CHORD 2-8=0/352, 6-8=0/352
WEBS 4-8=0/263

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 6-3-8, Exterior(2) 6-3-8 to 10-8-5, Interior(1) 10-8-5 to 13-4-4 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
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	Goins Residence
J0724-4226	G1GE	COMMON SUPPORTED GAB	1	1	Job Reference (optional)

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

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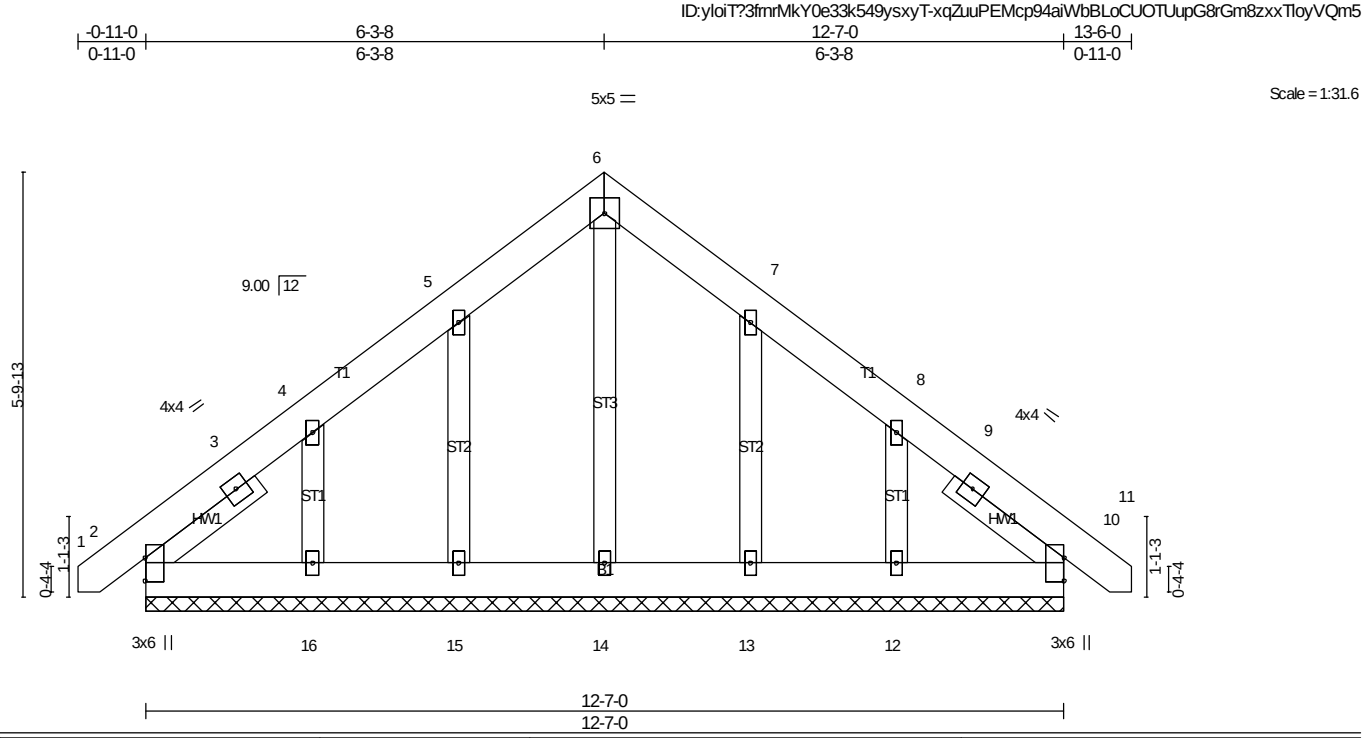

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 101 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 1-11-0, Right 2x4 SP No.2 1-11-0

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.

REACTIONS. All bearings 12-7-0.
(lb) - Max Horz 2=-159(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 13 except 16=-161(LC 12), 12=-155(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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) 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) 2, 10, 15, 13 except (jt=lb) 16=161, 12=155.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	G1-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. Tue Oct 8 16:56:25 2024 Page 1

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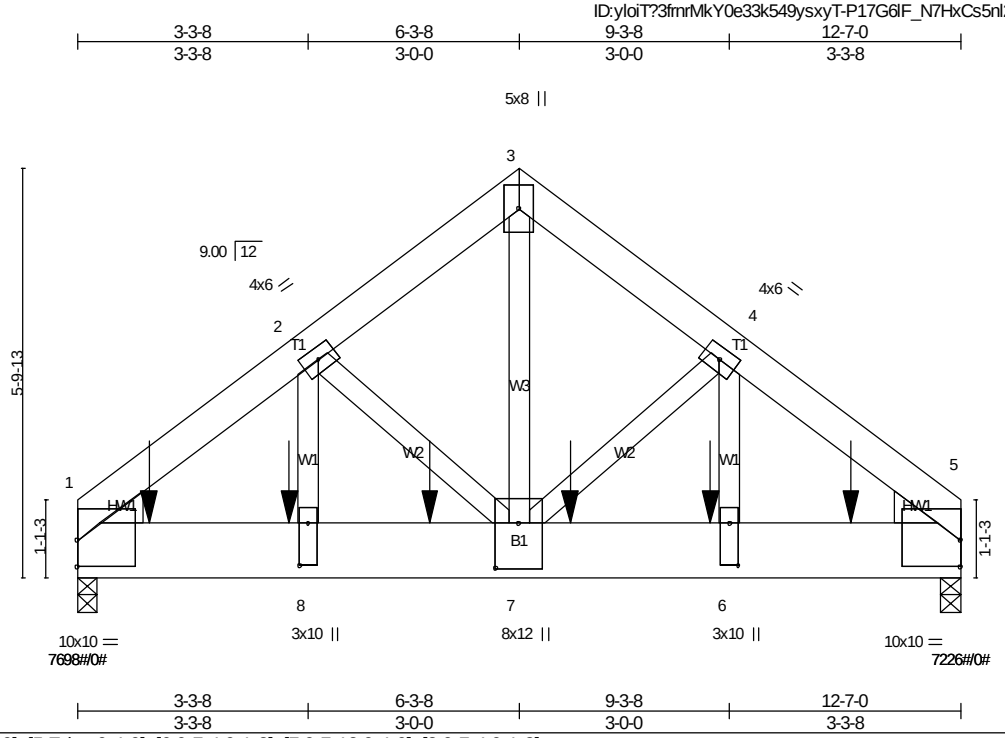

Plate Offsets (X,Y)-- [1:0-0-0,0-4-9], [5:Edge,0-4-9], [6:0-7-4,0-1-8], [7:0-7-12,0-4-0], [8:0-7-4,0-1-8]

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	0.31	Vert(LL)	-0.04	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.09	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	-0.00	8	>999	240	Weight: 230 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.2
WEDGE
Left: 2x6 SP No.1 , Right: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8 (req. 0-4-9), 5=0-3-8 (req. 0-4-4)
Max Horz 1=113(LC 24)
Max Grav 1=7698(LC 2), 5=7226(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-7927/0, 2-3=-6202/0, 3-4=-6203/0, 4-5=-7845/0
BOT CHORD 1-15=0/6145, 8-15=0/6145, 8-16=0/6145, 7-16=0/6145, 7-17=0/6082, 6-17=0/6082, 6-18=0/6082, 5-18=0/6082
WEBS 3-7=0/6899, 4-7=-1446/0, 4-6=0/2230, 2-7=-1533/0, 2-8=0/2347

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: 2x10 - 2 rows staggered at 0-3-0 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) 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) WARNING: Required bearing size at joint(s) 1, 5 greater than input bearing size.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2365 lb down at 1-0-4, 2365 lb down at 3-0-4, 2365 lb down at 5-0-4, 2316 lb down at 7-0-4, and 2316 lb down at 9-0-4, and 2316 lb down at 11-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 9-12=-20
Concentrated Loads (lb)
Vert: 6=-2002(F) 8=-2055(F) 15=-2055(F) 16=-2055(F) 17=-2002(F) 18=-2002(F)

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	H1GE	COMMON SUPPORTED GAB	1	1	Job Reference (optional)

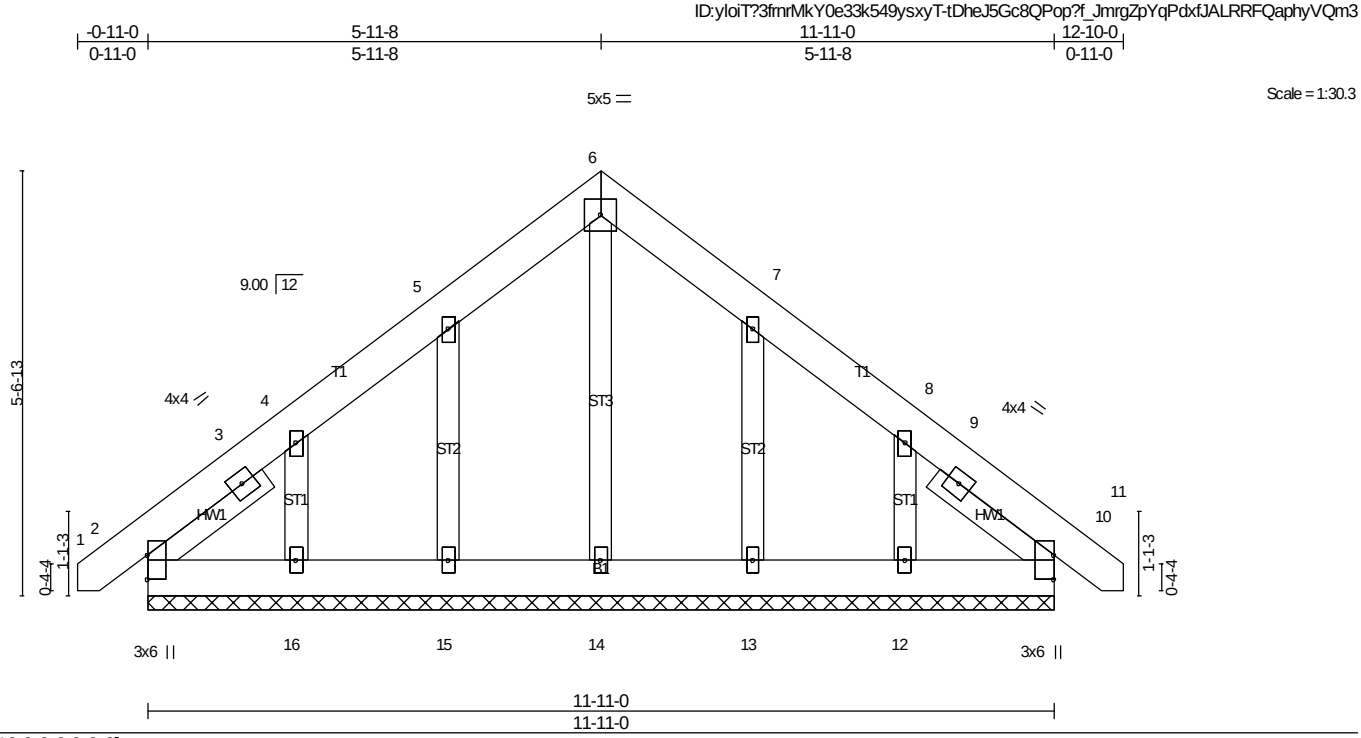

Plate Offsets (X,Y)-- [10:0-0-0,0-0-0]

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	0.02	Vert(LL)	-0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 96 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 1-11-0, Right 2x4 SP No.2 1-11-0

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.

REACTIONS. All bearings 11-11-0.
(lb) - Max Horz 2=-151(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 13 except 16=-151(LC 12), 12=-144(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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) 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) 2, 10, 15, 13 except (jt=lb) 16=151, 12=144.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	M1	JACK-OPEN	13	1	Job Reference (optional)

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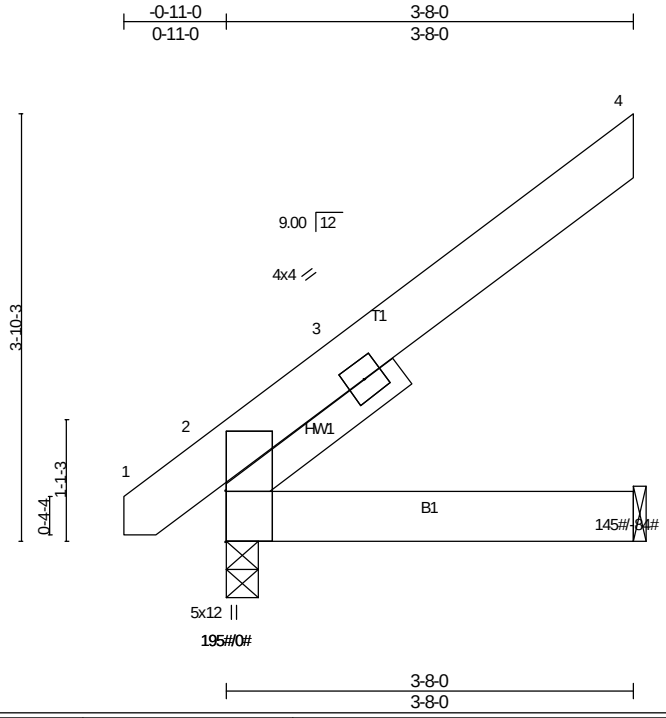

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.01	5-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.02	5-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP		Wind(LL)	0.03	5-8	>999	240	Weight: 25 lb	FT = 25%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8 (min. 0-1-8), 5=Mechanical
Max Horz 2=110(LC 9)
Max Uplift5=-84(LC 9)
Max Grav2=195(LC 1), 5=145(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-941/618

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) 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) 5.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	M1GE	MONOPITCH SUPPORTED	2	1	Job Reference (optional)

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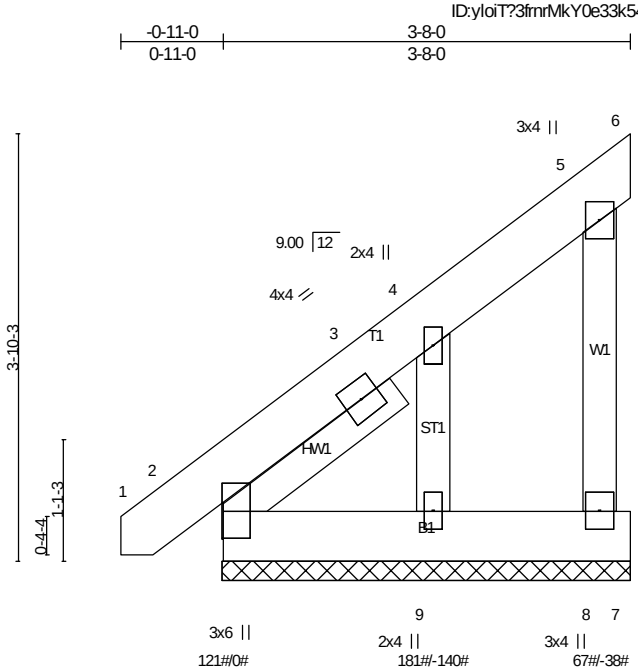

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.01	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 32 lb	FT = 25%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-8-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=3-8-0 (min. 0-1-8), 2=3-8-0 (min. 0-1-8), 9=3-8-0 (min. 0-1-8)
Max Horz 2=155(LC 12)
Max Uplift 8=-38(LC 12), 9=-140(LC 12)
Max Grav 8=67(LC 19), 2=121(LC 1), 9=181(LC 19)

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) 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) 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 requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
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) 8 except (jt=lb) 9=140.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	M2-GR	MONOPITCH GIRDER	2	2	Job Reference (optional)

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

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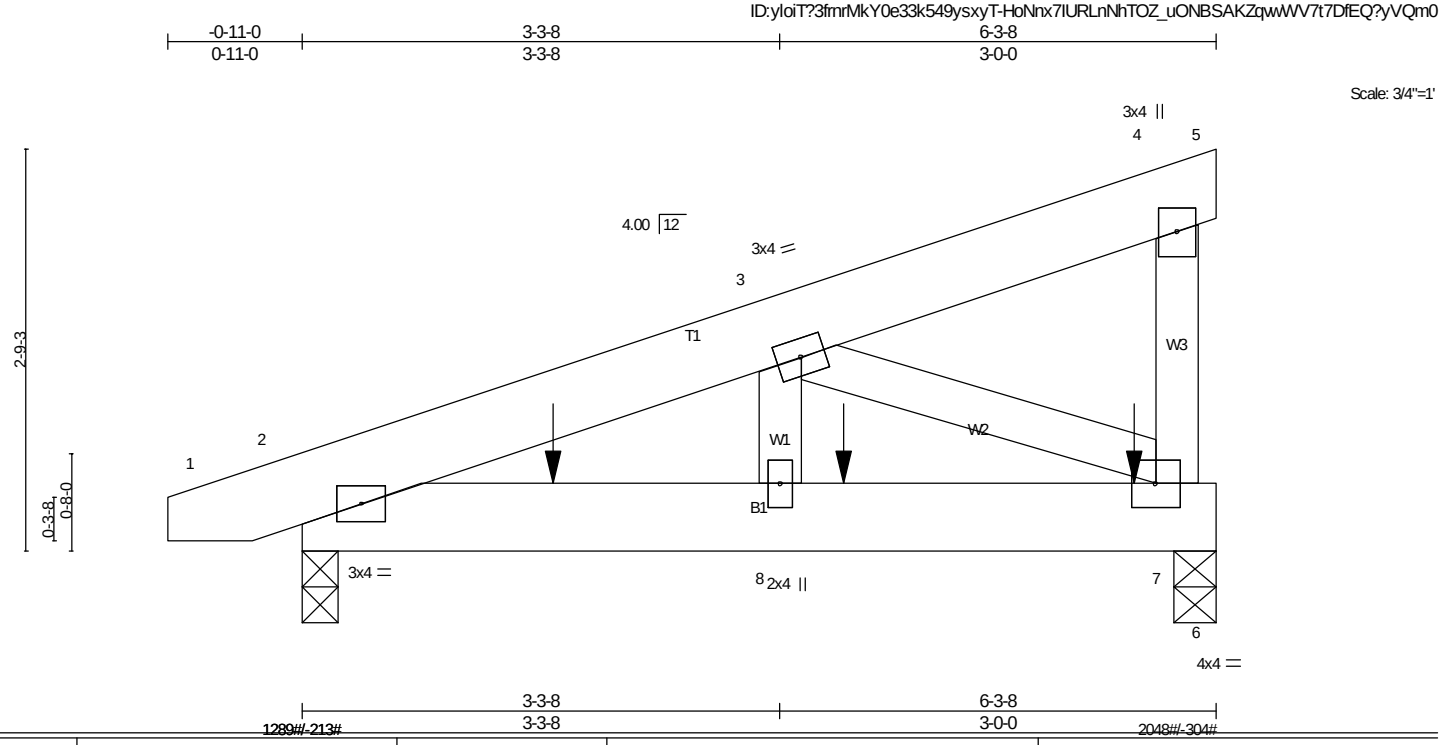


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	-0.01	8-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.02	8-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.16	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP		Wind(LL)	0.01	8	>999	240	Weight: 81 lb	FT = 25%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

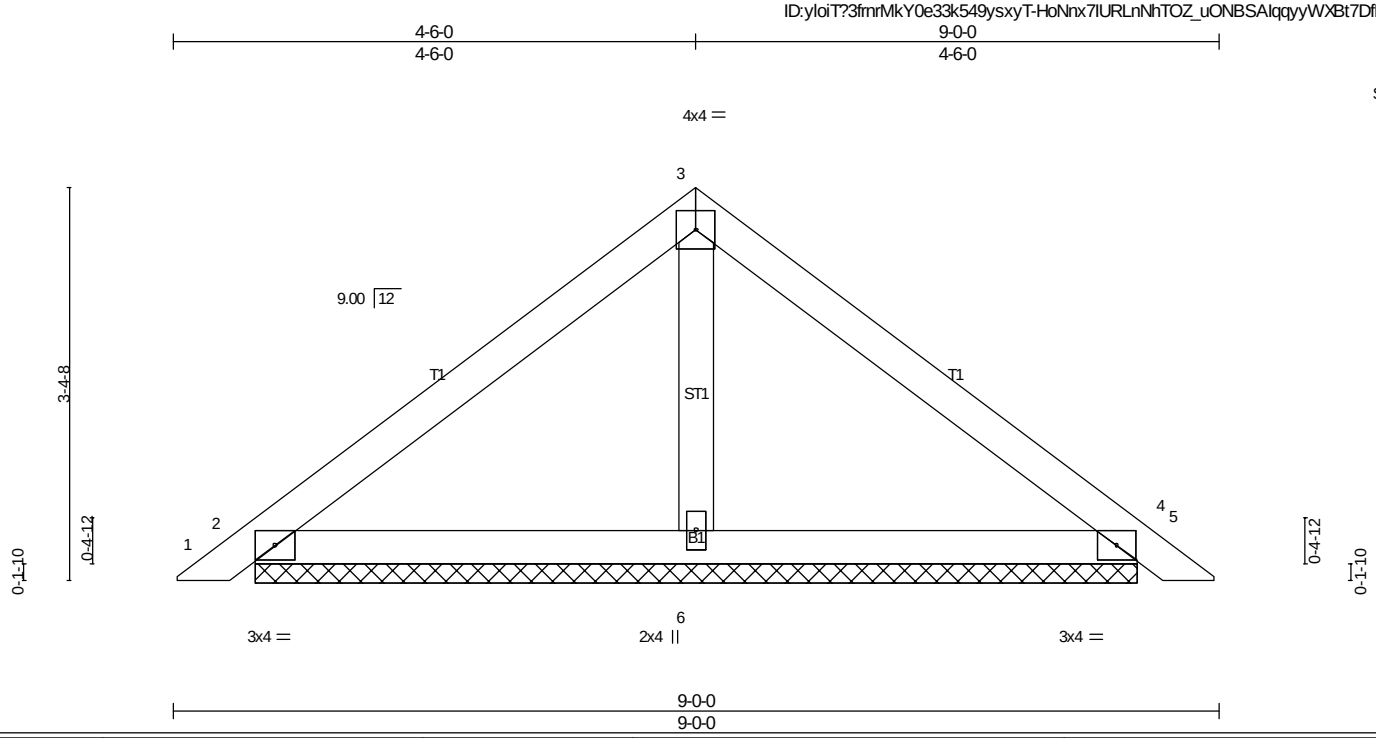
REACTIONS. (size) 7=0-3-8 (min. 0-1-8), 2=0-3-0 (min. 0-1-8)
Max Horz 2=78(LC 19)
Max Uplift 7=-304(LC 4), 2=-213(LC 4)
Max Grav 7=2048(LC 2), 2=1289(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1919/265
BOT CHORD 2-12=-297/1821, 8-12=-297/1821, 8-13=-297/1821, 7-13=-297/1821
WEBS 3-8=-164/1312, 3-7=-2015/329

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, 2x4 - 1 row 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.
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); porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) 7=304, 2=213.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 956 lb down and 131 lb up at 1-8-12, and 956 lb down and 131 lb up at 3-8-12, and 961 lb down and 127 lb up at 5-8-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-60, 4-5=-20, 6-9=-20
Concentrated Loads (lb)
Vert: 7=-859(B) 12=-855(B) 13=-855(B)

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	PB	PIGGYBACK	14	1	Job Reference (optional)



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	0.20	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 32 lb	FT = 25%

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

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.

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

REACTIONS. (size) 2=7-7-0 (min. 0-1-8), 4=7-7-0 (min. 0-1-8), 6=7-7-0 (min. 0-1-8)
Max Horz 2=76(LC 11)
Max Uplift 2=-34(LC 12), 4=-41(LC 13)
Max Grav 2=199(LC 1), 4=199(LC 1), 6=262(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) 2, 4.
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) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	PBGE	GABLE	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. Tue Oct 8 16:56:30 2024 Page 1

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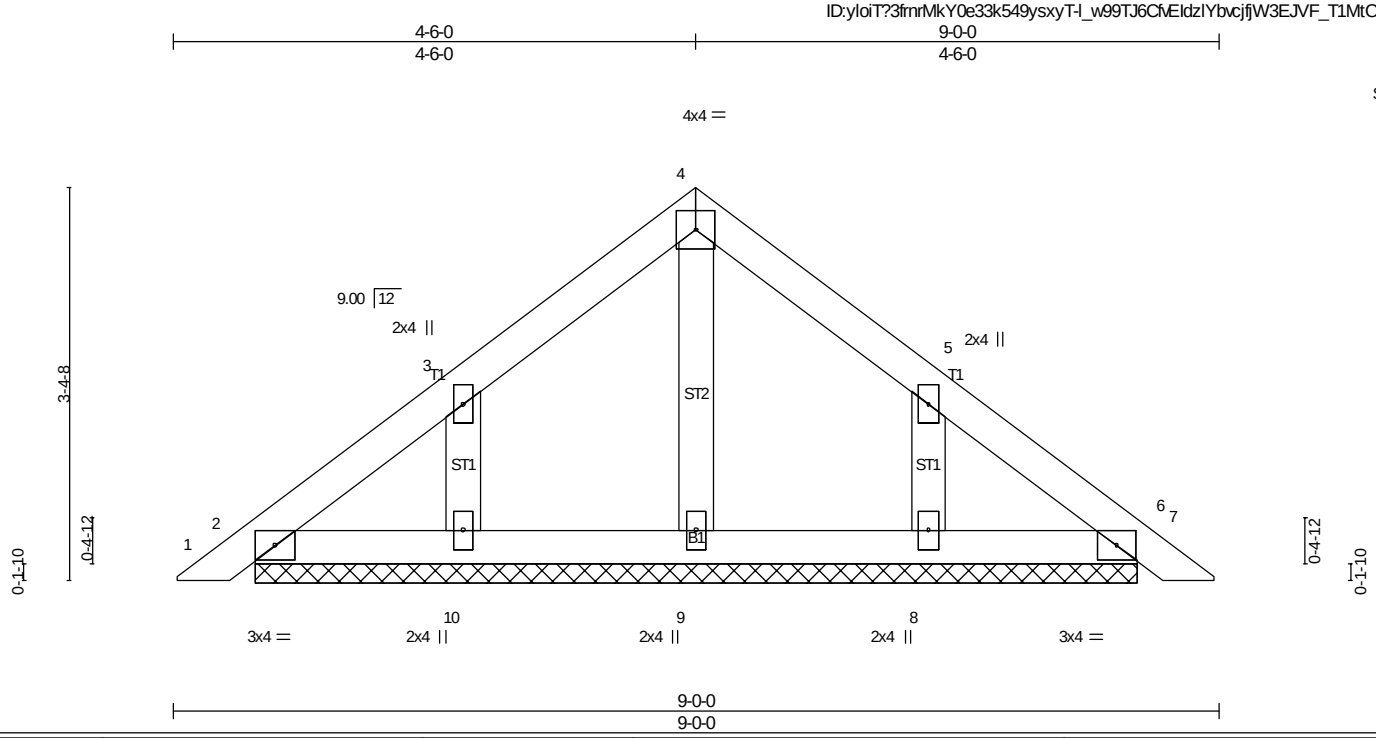

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 35 lb	FT = 25%

LUMBER-

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

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.

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

REACTIONS. All bearings 7-7-0.
(lb) - Max Horz 2=-95(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 10=-118(LC 12), 8=-117(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9, 10, 8

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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) 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.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 10=118, 8=117.
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) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	VD1	VALLEY	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. Tue Oct 8 16:56:31 2024 Page 1
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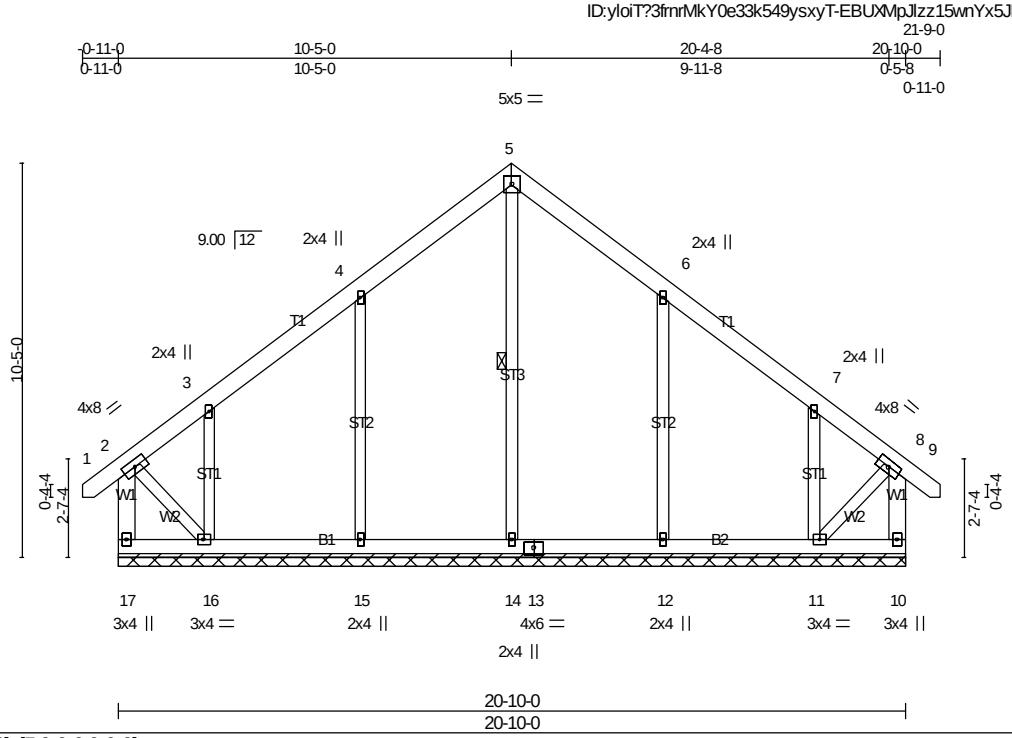

Plate Offsets (X,Y)-- [6:0-0-0,0-0-0], [7:0-0-0,0-0-0]

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	0.07	Vert(LL)	-0.00	8	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.00	8	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 176 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x6 SP No.1 *Except*
W2: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
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.
WEBS 1 Row at midpt 5-14

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

REACTIONS. All bearings 20-10-0.
(lb) - Max Horz 17=201(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 10 except 17=-107(LC 8), 15=-117(LC 12), 16=-227(LC 12), 12=-117(LC 13), 11=-215(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 10 except 17=259(LC 20), 14=420(LC 22), 15=568(LC 19), 16=442(LC 19), 12=567(LC 20), 11=422(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-262/115
WEBS 4-15=-330/222, 3-16=-267/169, 6-12=-330/223, 7-11=-267/169

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 10-5-0, Exterior(2) 10-5-0 to 14-9-13, Interior(1) 14-9-13 to 21-7-4 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) 10 except (jt=lb) 17=107, 15=117, 16=227, 12=117, 11=215.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	VD2	VALLEY	1	1	Job Reference (optional)

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

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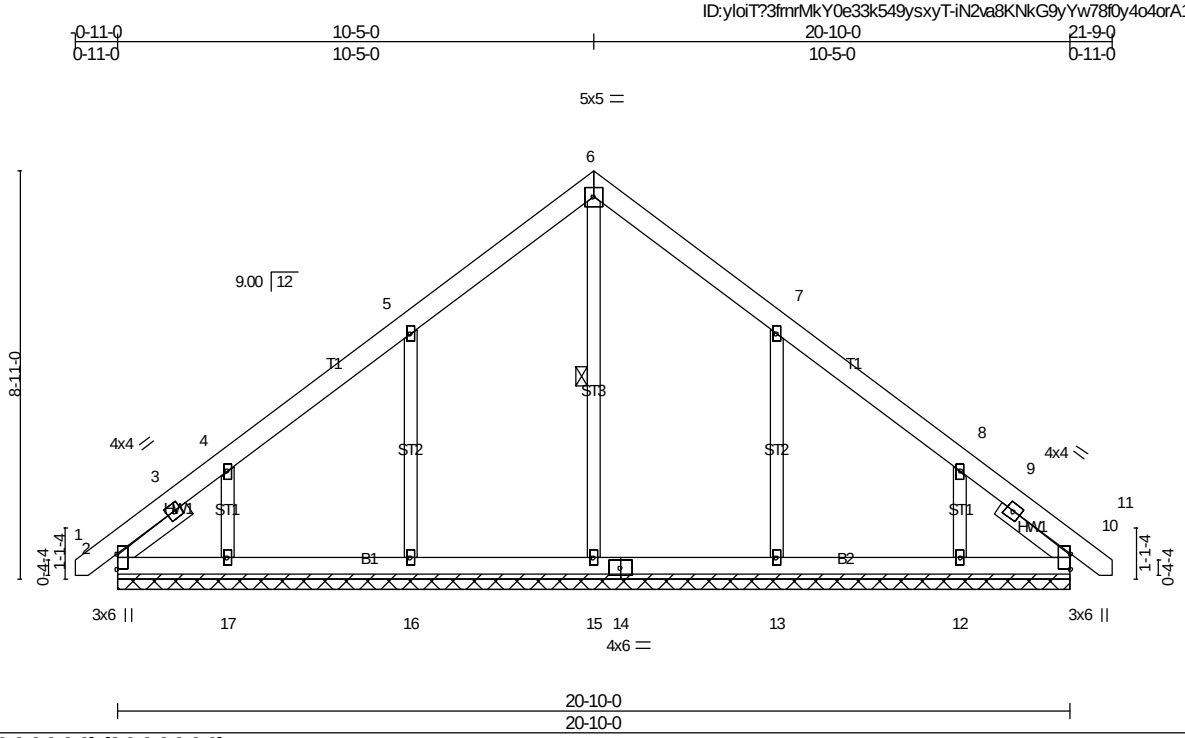

20-10-0

20-10-0

Plate Offsets (X,Y)-- [7:0-0-0,0-0-0], [8:0-0-0,0-0-0]

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	0.07	Vert(LL)	-0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 154 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 1-11-0, Right 2x4 SP No.2 1-11-0

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 1 Row at midpt 6-15

REACTIONS. All bearings 20-10-0.
(lb) - Max Horz 2=-201(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10 except 16=-114(LC 12), 17=-136(LC 12), 13=-114(LC 13), 12=-131(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10 except 15=427(LC 22), 16=463(LC 19), 17=300(LC 19), 13=463(LC 20), 12=291(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-16=-328/221, 4-17=-295/213, 7-13=-328/221, 8-12=-295/213

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 10-5-0, Exterior(2) 10-5-0 to 14-9-13, Interior(1) 14-9-13 to 21-7-4 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 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) 2, 10 except (jt=lb) 16=114, 17=136, 13=114, 12=131.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	VG1	VALLEY	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. Tue Oct 8 16:56:33 2024 Page 1

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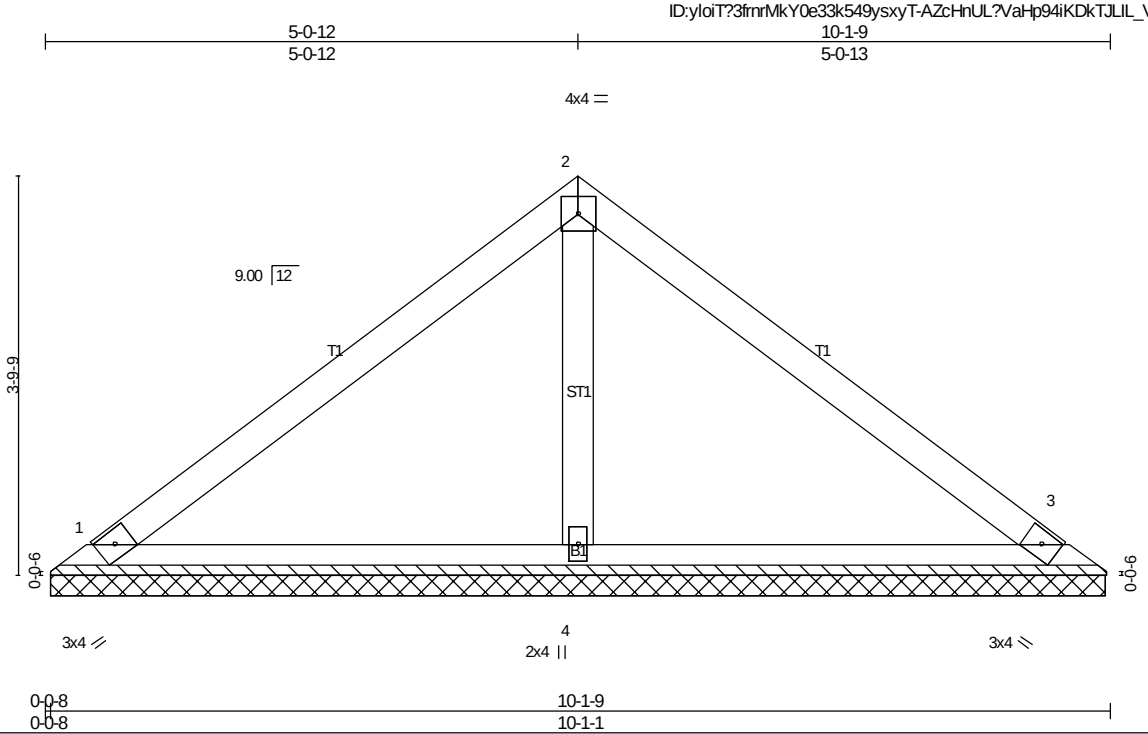

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 37 lb	FT = 25%

LUMBER-

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

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.

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

REACTIONS. (size) 1=10-0-9 (min. 0-1-8), 3=10-0-9 (min. 0-1-8), 4=10-0-9 (min. 0-1-8)
Max Horz 1=-83(LC 8)
Max Uplift 1=-22(LC 12), 3=-30(LC 13)
Max Grav 1=191(LC 1), 3=191(LC 1), 4=358(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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
6) Non Standard bearing condition. Review required.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Goins Residence
J0724-4226	VG2	VALLEY	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. Tue Oct 8 16:56:33 2024 Page 1
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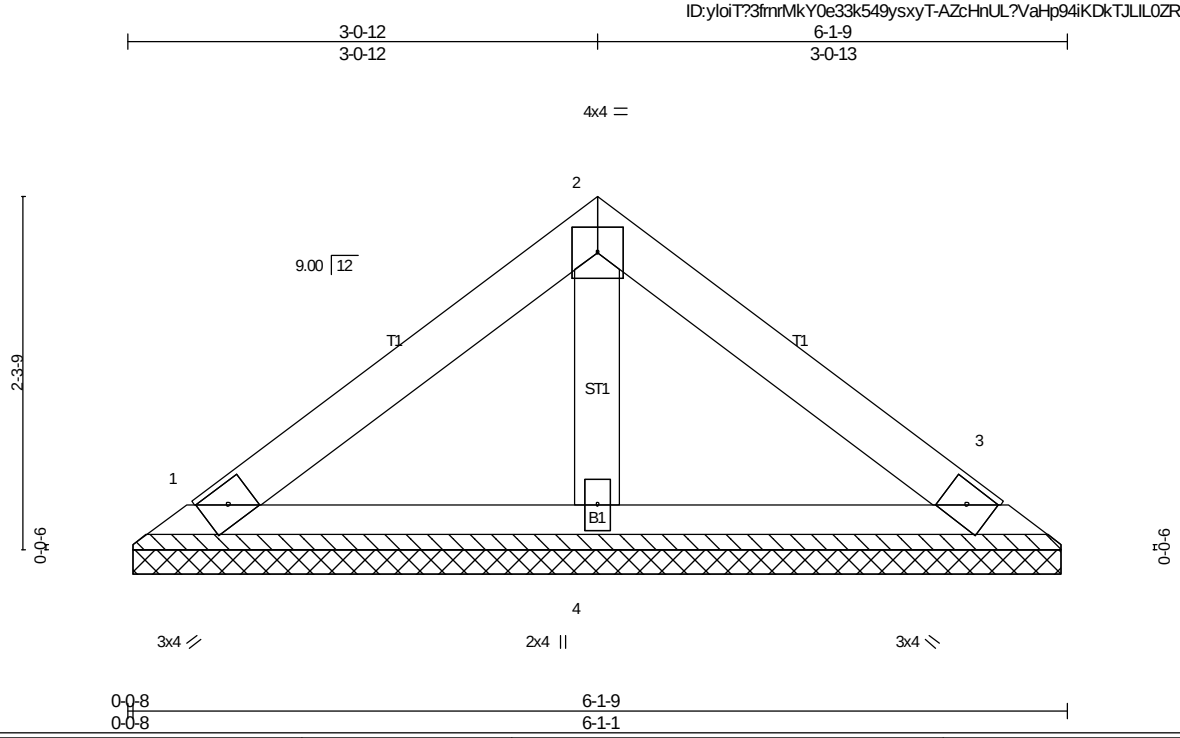

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 21 lb	FT = 25%

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

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.

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

REACTIONS. (size) 1=6-0-9 (min. 0-1-8), 3=6-0-9 (min. 0-1-8), 4=6-0-9 (min. 0-1-8)
Max Horz 1=-47(LC 10)
Max Uplift 1=-18(LC 12), 3=-23(LC 13)
Max Grav 1=118(LC 1), 3=118(LC 1), 4=184(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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
6) Non Standard bearing condition. Review required.
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.

LOAD CASE(S) Standard