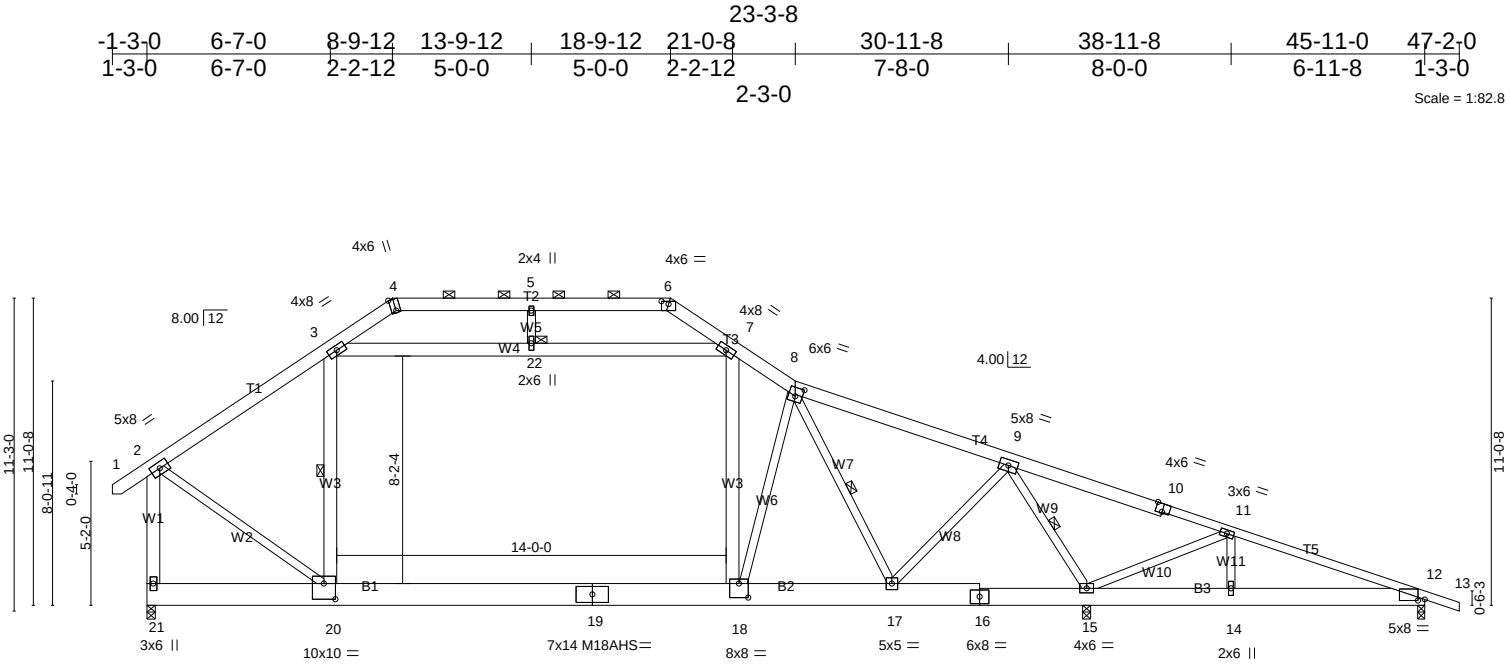
Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	A1	ATTIC	10	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:49:56 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-HGJiggzgDkX_bpmQN7WcUwfHeVDlDIpjZyYhJHzciNf



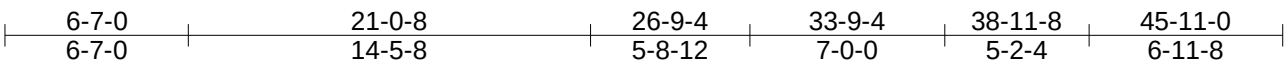


Plate Offsets (X,Y)-- [4:0-5-2,Edge], [6:0-3-0,0-1-5], [8:0-3-0,0-3-12], [10:0-3-0,Edge], [12:0-2-14,0-0-8], [18:0-4-0,0-6-0], [20:0-5-0,0-6-12]

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	0.73	Vert(LL)	-0.26	18-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.44	18-20	>912	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.01	15	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.09	18	>999	240	Weight: 425 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1 *Except* T5: 2x4 SP No.1
BOT CHORD	2x10 SP No.1 *Except* B3: 2x8 SP No.1
WEBS	2x4 SP No.2 *Except* W3,W4,W1: 2x6 SP No.1

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-6-6 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 3-20, 8-17, 9-15
JOINTS	1 Brace at Jt(s): 22

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

REACTIONS. (lb/size) 21=1651/0-3-8 (min. 0-2-5), 15=2967/0-3-8 (req. 0-4-1), 12=-52/0-3-0 (min. 0-1-8)
Max Horz 21=-336(LC 10)
Max Uplift12=-470(LC 21)
Max Grav 21=1970(LC 20), 15=3418(LC 27)

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

TOP CHORD	2-23=-1825/0, 23-24=-1734/1, 3-24=-1712/21, 3-4=-1017/233, 4-25=-894/210, 5-25=-894/210, 5-26=-894/210, 6-26=-894/210, 6-7=-1000/232, 7-8=-1904/78, 8-9=-890/106, 9-10=-124/2572, 10-11=-150/2486, 11-27=0/1907, 12-27=0/1846, 2-21=-2245/21
BOT CHORD	20-21=-81/291, 19-20=0/1570, 18-19=0/1570, 18-28=0/1482, 28-29=0/1482, 17-29=0/1482, 16-17=-749/295, 15-16=-749/295, 14-15=-1721/0, 12-14=-1721/0
WEBS	3-20=-190/420, 3-22=-816/0, 7-22=-816/0, 7-18=-32/706, 8-17=-1648/0, 9-17=0/1970, 9-15=-3316/189, 11-15=-857/584, 11-14=-215/253, 2-20=0/1791, 8-18=0/515

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) -1-1-1 to 3-6-1, Interior(1) 3-6-1 to 8-10-9, Exterior(2) 8-10-9 to 13-5-11, Interior(1) 13-5-11 to 18-8-15, Exterior(2) 18-8-15 to 23-3-8, Interior(1) 23-3-8 to 47-2-0 zone; end vertical left exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (10.0 psf) on member(s). 3-22, 7-22; Wall dead load (5.0psf) on member(s).3-20, 7-18

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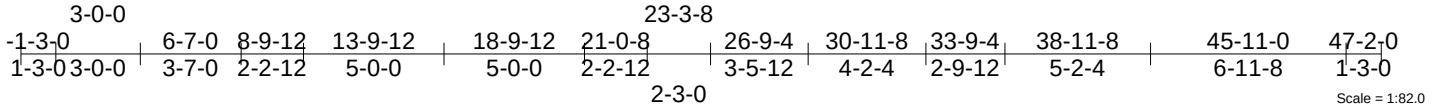
NOTES-

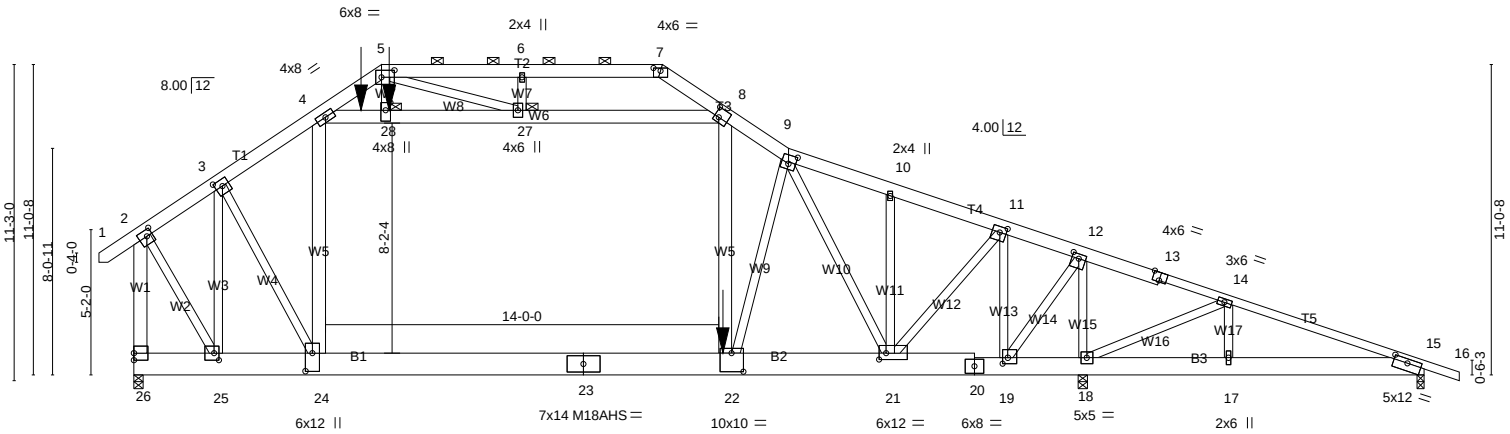
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 18-20
9) WARNING: Required bearing size at joint(s) 15 greater than input bearing size.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 470 lb uplift at joint 12.
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	Bauer Residence
J0222-0946	A1-GR	ATTIC	2	3	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:49:58 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-EeRS5M?wlLniq7wpUYZ4ZLlboIyLh6q00F1oO9zciNd





3-0-0	6-7-0	21-0-8	26-9-4	30-11-8	33-9-4	38-11-8	45-11-0
3-0-0	3-7-0	14-5-8	5-8-12	4-2-4	2-9-12	5-2-4	6-11-8

Plate Offsets (X,Y)-- [2:0-2-8,0-2-12], [3:0-3-0,0-2-12], [5:0-5-8,0-3-0], [7:0-3-0,0-1-5], [8:0-2-0,0-4-0], [9:0-3-0,0-3-12], [11:0-2-12,0-2-8], [12:0-3-0,0-2-0], [13:0-3-0,Edge], [15:0-6-0,0-1-14], [19:0-2-4,0-2-8], [21:0-3-0,0-2-12], [22:0-5-0,0-8-0], [24:0-7-12,0-3-0], [25:0-2-0,0-3-0], [28:0-3-4,0-2-0]

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	0.88	Vert(LL)	-0.38	22-24	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.55	22-24	>727	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.02	18	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.19	22	>999	240	Weight: 1403 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1 *Except*
T5: 2x4 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E *Except*
B3: 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.2 *Except*
W5,W6,W1: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 27, 28

REACTIONS. (lb/size) 26=6449/0-3-14 (min. 0-3-9), 18=8394/0-3-14 (min. 0-3-14), 15=-1480/0-3-0 (min. 0-1-8)
Max Horz 26=-335(LC 6)
Max Uplift18=-1748(LC 4), 15=-3132(LC 16)
Max Grav 26=12897(LC 16), 18=14082(LC 16), 15=716(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6069/0, 3-4=-10130/0, 4-5=-6764/1091, 5-6=-3788/634, 6-7=-3787/634, 7-8=-3546/576, 8-9=-11480/0, 9-10=-4768/0, 10-11=-4738/0, 11-12=-1708/2911, 12-13=-2549/10279, 13-14=-2566/10211, 14-15=-2322/9860, 2-26=-11408/0
BOT CHORD 25-26=0/430, 24-25=0/4916, 23-24=0/8893, 22-23=0/8893, 22-29=0/8425, 29-30=0/8425, 21-30=0/8425, 20-21=-2833/1745, 19-20=-2834/1749, 18-19=-9714/2518, 17-18=-9240/2214, 15-17=-9240/2214
WEBS 4-24=-640/1139, 4-31=-3999/0, 28-31=-4028/0, 27-28=-3663/0, 8-27=-5076/0, 8-22=-215/6461, 9-21=-8813/486, 14-18=-743/380, 9-22=-123/2140, 6-27=0/567, 11-19=-10721/1419, 10-21=-326/90, 11-21=-1461/11311, 12-19=-1342/12148, 12-18=-12789/1451, 2-25=0/8776, 3-25=-8715/266, 3-24=-447/8245, 5-28=-790/4625, 5-27=-1871/289

NOTES-
1) 3-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: 2x10 - 2 rows staggered at 0-5-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, Except member 4-8 2x6 - 3 rows staggered at 0-4-0 oc, member 8-22 2x6 - 2 rows staggered at 0-6-0 oc, 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.

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NOTES-

4) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); end vertical left exposed; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All plates are 6x6 MT20 unless otherwise indicated.
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, with BCDL = 10.0psf.
10) Ceiling dead load (10.0 psf) on member(s). 4-28, 27-28, 8-27; Wall dead load (5.0psf) on member(s).4-24, 8-22
11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 22-24
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1748 lb uplift at joint 18 and 3132 lb uplift at joint 15.
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) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 7257 lb down and 1486 lb up at 20-11-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
18) Attic room checked for L/360 deflection.

LOAD CASE(S)

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-2=-60, 2-5=-60, 5-7=-60, 7-9=-60, 9-16=-60, 24-26=-306(F=-286), 22-24=-90(F=-50), 15-22=-20, 4-8=-20
      Drag: 4-24=-10, 8-22=-10
   Concentrated Loads (lb)
      Vert: 22=-3850(F) 28=-1900(F) 31=-500(F)
2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-2=-50, 2-5=-50, 5-7=-50, 7-9=-50, 9-16=-50, 24-26=-736(F=-716), 22-24=-300(F=-200), 22-29=-20, 29-30=-65, 15-30=-20, 4-8=-20
      Drag: 4-24=-10, 8-22=-10
   Concentrated Loads (lb)
      Vert: 22=-6256(F) 28=-3088(F) 31=-812(F)
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-2=-20, 2-5=-20, 5-7=-20, 7-9=-20, 9-16=-20, 24-26=-326(F=-286), 22-24=-90(F=-50), 15-22=-40, 4-8=-20
      Drag: 4-24=-10, 8-22=-10
   Concentrated Loads (lb)
      Vert: 22=-2888(F) 28=-1425(F) 31=-375(F)
4) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-2=2, 2-5=-13, 5-7=21, 7-9=11, 9-15=12, 15-16=6, 24-26=-298(F=-286), 22-24=-74(F=-50), 18-22=-12, 15-18=10, 4-8=-12
      Horz: 1-2=-14, 2-5=1, 7-9=23, 9-15=24, 15-16=18, 2-26=14
      Drag: 5-6=-0, 4-24=-10, 8-22=-10
   Concentrated Loads (lb)
      Vert: 22=1486(F) 28=733(F) 31=193(F)
5) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-2=4, 2-5=11, 5-7=21, 7-9=-13, 9-15=21, 15-16=36, 24-26=-298(F=-286), 22-24=-74(F=-50), 18-22=-12, 15-18=10, 4-8=-12
      Horz: 1-2=-16, 2-5=-23, 7-9=-1, 9-15=33, 15-16=48, 2-26=-21
      Drag: 5-6=-0, 4-24=-10, 8-22=-10
   Concentrated Loads (lb)
      Vert: 22=1486(F) 28=733(F) 31=193(F)
6) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-2=-28, 2-5=-35, 5-7=-1, 7-9=-11, 9-15=-9, 15-16=-2, 24-26=-306(F=-286), 22-24=-90(F=-50), 18-22=-20, 15-18=2, 4-8=-20
      Horz: 1-2=8, 2-5=15, 7-9=9, 9-15=11, 15-16=18, 2-26=28
      Drag: 5-6=-0, 4-24=-10, 8-22=-10
   Concentrated Loads (lb)
      Vert: 22=-3259(F) 28=-1608(F) 31=-423(F)
7) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-2=-4, 2-5=-11, 5-7=-1, 7-9=-35, 9-15=-1, 15-16=6, 24-26=-306(F=-286), 22-24=-90(F=-50), 18-22=-20, 15-18=2, 4-8=-20
      Horz: 1-2=-16, 2-5=-9, 7-9=-15, 9-15=19, 15-16=26, 2-26=-7
      Drag: 5-6=-0, 4-24=-10, 8-22=-10
   Concentrated Loads (lb)
      Vert: 22=-2628(F) 28=-1297(F) 31=-341(F)
8) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-2=14, 2-5=21, 5-7=9, 7-9=9, 9-15=9, 15-16=2, 24-26=-298(F=-286), 22-24=-74(F=-50), 15-22=-12, 4-8=-12
      Horz: 1-2=-26, 2-5=-33, 7-9=21, 9-15=21, 15-16=14, 2-26=8
      Drag: 5-6=-0, 4-24=-10, 8-22=-10
   Concentrated Loads (lb)
      Vert: 22=413(F) 28=204(F) 31=54(F)
9) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 3

LOAD CASE(S)

Uniform Loads (plf)
Vert: 1-2=2, 2-5=9, 5-7=9, 7-9=21, 9-15=21, 15-16=14, 24-26=-298(F=-286), 22-24=-74(F=-50), 15-22=-12, 4-8=-12
Horz: 1-2=-14, 2-5=-21, 7-9=33, 9-15=33, 15-16=26, 2-26=-18
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=413(F) 28=204(F) 31=54(F)

10) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-5=21, 5-7=9, 7-9=9, 9-15=9, 15-16=2, 24-26=-298(F=-286), 22-24=-74(F=-50), 15-22=-12, 4-8=-12
Horz: 1-2=-26, 2-5=-33, 7-9=21, 9-15=21, 15-16=14, 2-26=8
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=413(F) 28=204(F) 31=54(F)

11) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=2, 2-5=9, 5-7=9, 7-9=21, 9-15=21, 15-16=14, 24-26=-298(F=-286), 22-24=-74(F=-50), 15-22=-12, 4-8=-12
Horz: 1-2=-14, 2-5=-21, 7-9=33, 9-15=33, 15-16=26, 2-26=-18
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=413(F) 28=204(F) 31=54(F)

12) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=6, 2-5=-1, 5-7=-13, 7-9=-13, 9-15=-13, 15-16=-6, 24-26=-306(F=-286), 22-24=-90(F=-50), 15-22=-20, 4-8=-20
Horz: 1-2=-26, 2-5=-19, 7-9=7, 9-15=7, 15-16=14, 2-26=22
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-2971(F) 28=-1466(F) 31=-386(F)

13) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-5=-13, 5-7=-13, 7-9=-1, 9-15=-1, 15-16=6, 24-26=-306(F=-286), 22-24=-90(F=-50), 15-22=-20, 4-8=-20
Horz: 1-2=-14, 2-5=-7, 7-9=19, 9-15=19, 15-16=26, 2-26=-4
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-2250(F) 28=-1110(F) 31=-292(F)

14) Dead + Uninhab. Attic Storage + Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-5=-20, 5-7=-20, 7-9=-20, 9-16=-20, 24-26=-712(F=-692), 22-24=-370(F=-250), 22-29=-20, 29-30=-80, 15-30=-20, 4-8=-20
Drag: 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-5775(F) 28=-2850(F) 31=-750(F)

15) Dead + Uninhabitable Attic Storage: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-5=-20, 5-7=-20, 7-9=-20, 9-16=-20, 24-26=-712(F=-692), 22-24=-370(F=-250), 22-29=-20, 29-30=-80, 15-30=-20, 4-8=-20
Drag: 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-5775(F) 28=-2850(F) 31=-750(F)

16) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-56, 2-5=-61, 5-7=-36, 7-9=-43, 9-15=-42, 15-16=-37, 24-26=-736(F=-716), 22-24=-300(F=-200), 22-29=-20, 29-30=-65, 18-30=-20, 15-18=-3, 4-8=-20
Horz: 1-2=6, 2-5=11, 7-9=7, 9-15=8, 15-16=13, 2-26=21
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-7257(F) 28=-3581(F) 31=-942(F)

17) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-38, 2-5=-43, 5-7=-36, 7-9=-61, 9-15=-36, 15-16=-31, 24-26=-736(F=-716), 22-24=-300(F=-200), 22-29=-20, 29-30=-65, 18-30=-20, 15-18=-3, 4-8=-20
Horz: 1-2=-12, 2-5=-7, 7-9=-11, 9-15=14, 15-16=19, 2-26=-5
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-6784(F) 28=-3348(F) 31=-881(F)

18) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-31, 2-5=-36, 5-7=-45, 7-9=-45, 9-15=-45, 15-16=-40, 24-26=-736(F=-716), 22-24=-300(F=-200), 22-29=-20, 29-30=-65, 15-30=-20, 4-8=-20
Horz: 1-2=-19, 2-5=-14, 7-9=5, 9-15=5, 15-16=10, 2-26=16
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-7040(F) 28=-3475(F) 31=-914(F)

19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-5=-45, 5-7=-45, 7-9=-36, 9-15=-36, 15-16=-31, 24-26=-736(F=-716), 22-24=-300(F=-200), 22-29=-20, 29-30=-65, 15-30=-20, 4-8=-20
Horz: 1-2=-10, 2-5=-5, 7-9=14, 9-15=14, 15-16=19, 2-26=-3
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-6500(F) 28=-3208(F) 31=-844(F)

20) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Continued on page 4

LOAD CASE(S)

Uniform Loads (plf)
Vert: 1-2=-60, 2-5=-60, 5-7=-60, 7-9=-20, 9-16=-20, 24-26=-306(F=-286), 22-24=-90(F=-50), 15-22=-20, 4-8=-20
Drag: 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-3850(F) 28=-1900(F) 31=-500(F)

21) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-20, 2-5=-20, 5-7=-60, 7-9=-60, 9-16=-60, 24-26=-306(F=-286), 22-24=-90(F=-50), 15-22=-20, 4-8=-20
Drag: 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-3850(F) 28=-1900(F) 31=-500(F)

22) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-50, 2-5=-50, 5-7=-50, 7-9=-20, 9-16=-20, 24-26=-736(F=-716), 22-24=-300(F=-200), 22-29=-20, 29-30=-65, 15-30=-20, 4-8=-20
Drag: 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-6256(F) 28=-3088(F) 31=-812(F)

23) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-20, 2-5=-20, 5-7=-50, 7-9=-50, 9-16=-50, 24-26=-736(F=-716), 22-24=-300(F=-200), 22-29=-20, 29-30=-65, 15-30=-20, 4-8=-20
Drag: 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-6256(F) 28=-3088(F) 31=-812(F)

24) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=2, 2-5=-13, 5-7=21, 7-9=11, 9-15=12, 15-16=6, 24-26=-298(F=-286), 22-24=-74(F=-50), 18-22=-12, 15-18=10, 4-8=-12
Horz: 1-2=-14, 2-5=1, 7-9=23, 9-15=24, 15-16=18, 2-26=14
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=1486(F) 28=733(F) 31=193(F)

25) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=4, 2-5=11, 5-7=21, 7-9=-13, 9-15=21, 15-16=36, 24-26=-298(F=-286), 22-24=-74(F=-50), 18-22=-12, 15-18=10, 4-8=-12
Horz: 1-2=-16, 2-5=-23, 7-9=-1, 9-15=33, 15-16=48, 2-26=-21
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=1486(F) 28=733(F) 31=193(F)

26) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-28, 2-5=-35, 5-7=-1, 7-9=-11, 9-15=-9, 15-16=-2, 24-26=-306(F=-286), 22-24=-90(F=-50), 18-22=-20, 15-18=2, 4-8=-20
Horz: 1-2=8, 2-5=15, 7-9=9, 9-15=11, 15-16=18, 2-26=28
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-3259(F) 28=-1608(F) 31=-423(F)

27) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-4, 2-5=-11, 5-7=-1, 7-9=-35, 9-15=-1, 15-16=6, 24-26=-306(F=-286), 22-24=-90(F=-50), 18-22=-20, 15-18=2, 4-8=-20
Horz: 1-2=-16, 2-5=-9, 7-9=-15, 9-15=19, 15-16=26, 2-26=-7
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-2628(F) 28=-1297(F) 31=-341(F)

28) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-5=21, 5-7=9, 7-9=9, 9-15=9, 15-16=2, 24-26=-298(F=-286), 22-24=-74(F=-50), 15-22=-12, 4-8=-12
Horz: 1-2=-26, 2-5=-33, 7-9=21, 9-15=21, 15-16=14, 2-26=8
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=413(F) 28=204(F) 31=54(F)

29) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=2, 2-5=9, 5-7=9, 7-9=21, 9-15=21, 15-16=14, 24-26=-298(F=-286), 22-24=-74(F=-50), 15-22=-12, 4-8=-12
Horz: 1-2=-14, 2-5=-21, 7-9=33, 9-15=33, 15-16=26, 2-26=-18
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=413(F) 28=204(F) 31=54(F)

30) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-5=21, 5-7=9, 7-9=9, 9-15=9, 15-16=2, 24-26=-298(F=-286), 22-24=-74(F=-50), 15-22=-12, 4-8=-12
Horz: 1-2=-26, 2-5=-33, 7-9=21, 9-15=21, 15-16=14, 2-26=8
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=413(F) 28=204(F) 31=54(F)

31) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=2, 2-5=9, 5-7=9, 7-9=21, 9-15=21, 15-16=14, 24-26=-298(F=-286), 22-24=-74(F=-50), 15-22=-12, 4-8=-12
Horz: 1-2=-14, 2-5=-21, 7-9=33, 9-15=33, 15-16=26, 2-26=-18
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=413(F) 28=204(F) 31=54(F)

32) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 5

LOAD CASE(S)

Uniform Loads (plf)
Vert: 1-2=6, 2-5=-1, 5-7=-13, 7-9=-13, 9-15=-13, 15-16=-6, 24-26=-306(F=-286), 22-24=-90(F=-50), 15-22=-20, 4-8=-20
Horz: 1-2=-26, 2-5=-19, 7-9=7, 9-15=7, 15-16=14, 2-26=22
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-2971(F) 28=-1466(F) 31=-386(F)

33) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-5=-13, 5-7=-13, 7-9=-1, 9-15=-1, 15-16=6, 24-26=-306(F=-286), 22-24=-90(F=-50), 15-22=-20, 4-8=-20
Horz: 1-2=-14, 2-5=-7, 7-9=19, 9-15=19, 15-16=26, 2-26=-4
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-2250(F) 28=-1110(F) 31=-292(F)

34) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-56, 2-5=-61, 5-7=-36, 7-9=-43, 9-15=-42, 15-16=-37, 24-26=-736(F=-716), 22-24=-300(F=-200), 22-29=-20, 29-30=-65, 18-30=-20, 15-18=-3, 4-8=-20
Horz: 1-2=6, 2-5=11, 7-9=7, 9-15=8, 15-16=13, 2-26=21
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-7257(F) 28=-3581(F) 31=-942(F)

35) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-38, 2-5=-43, 5-7=-36, 7-9=-61, 9-15=-36, 15-16=-31, 24-26=-736(F=-716), 22-24=-300(F=-200), 22-29=-20, 29-30=-65, 18-30=-20, 15-18=-3, 4-8=-20
Horz: 1-2=-12, 2-5=-7, 7-9=-11, 9-15=14, 15-16=19, 2-26=-5
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-6784(F) 28=-3348(F) 31=-881(F)

36) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-31, 2-5=-36, 5-7=-45, 7-9=-45, 9-15=-45, 15-16=-40, 24-26=-736(F=-716), 22-24=-300(F=-200), 22-29=-20, 29-30=-65, 15-30=-20, 4-8=-20
Horz: 1-2=-19, 2-5=-14, 7-9=5, 9-15=5, 15-16=10, 2-26=16
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-7040(F) 28=-3475(F) 31=-914(F)

37) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-40, 2-5=-45, 5-7=-45, 7-9=-36, 9-15=-36, 15-16=-31, 24-26=-736(F=-716), 22-24=-300(F=-200), 22-29=-20, 29-30=-65, 15-30=-20, 4-8=-20
Horz: 1-2=-10, 2-5=-5, 7-9=14, 9-15=14, 15-16=19, 2-26=-3
Drag: 5-6=-0, 4-24=-10, 8-22=-10
Concentrated Loads (lb)
Vert: 22=-6500(F) 28=-3208(F) 31=-844(F)

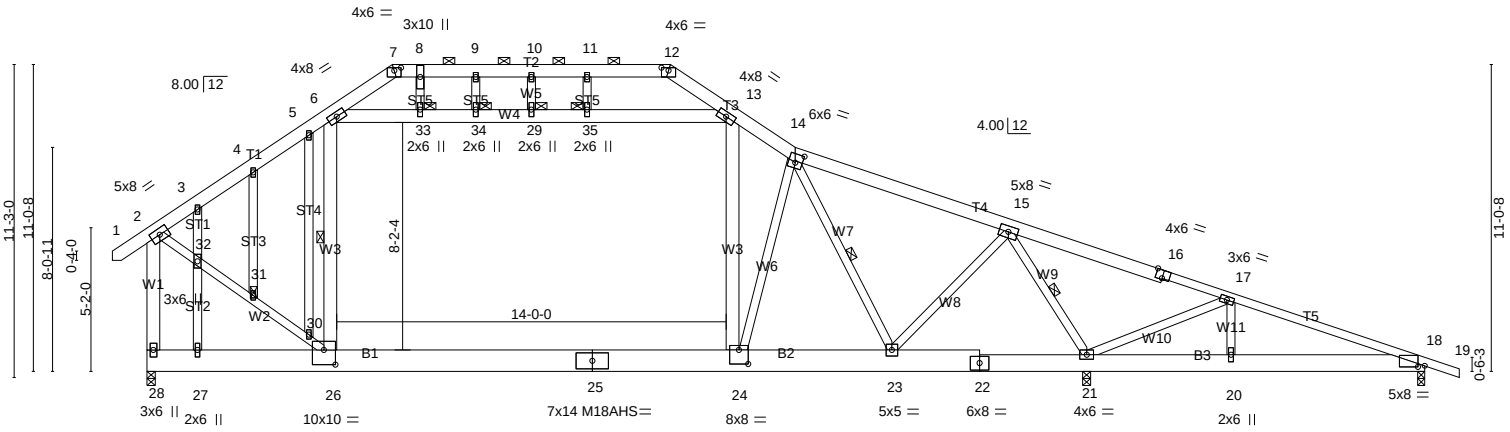
Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	A1SG	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:49:59 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-ir?qIh0YWfvZSHV?2G4J6ZHpdiJAQeL9FvmMwbzciNc

-1-3-0	6-7-0	8-9-12	13-9-12	18-9-12	21-0-8	30-11-8	38-11-8	45-11-0	47-2-0
1-3-0	6-7-0	2-2-12	5-0-0	5-0-0	2-2-12	7-8-0	8-0-0	6-11-8	1-3-0

23-3-8
2-3-0

Scale = 1:82.8



6-7-0	21-0-8	26-9-4	33-9-4	38-11-8	45-11-0
6-7-0	14-5-8	5-8-12	7-0-0	5-2-4	6-11-8

Plate Offsets (X,Y)-- [7:0-3-0,0-1-5], [12:0-3-0,0-1-5], [14:0-3-0,0-3-12], [16:0-3-0,Edge], [18:0-2-14,0-0-8], [24:0-4-0,0-6-0], [26:0-5-0,0-6-4]

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	0.68	Vert(LL)	-0.22	24-26	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.38	24-26	>999	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.01	21	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.11	24	>999	240	Weight: 456 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1 *Except* T5: 2x4 SP No.1
BOT CHORD	2x10 SP 2400F 2.0E *Except* B3: 2x8 SP No.1, B2: 2x10 SP No.1
WEBS	2x4 SP No.2 *Except* W3,W4,W1: 2x6 SP No.1
OTHERS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-3-2 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-12.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 24-26,23-24.
WEBS	1 Row at midpt 6-26, 14-23, 15-21
JOINTS	1 Brace at Jt(s): 29, 31, 33, 34, 35

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

REACTIONS. (lb/size) 28=1673/0-3-8 (min. 0-1-10), 21=2883/0-3-8 (req. 0-3-14), 18=10/0-3-0 (min. 0-1-8)
Max Horz 28=-445(LC 10)
Max Uplift21=-315(LC 13), 18=-421(LC 21)
Max Grav 28=1997(LC 2), 21=3299(LC 27), 18=10(LC 1)

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

TOP CHORD	2-3=-1733/15, 3-4=-1900/69, 4-5=-1838/97, 5-6=-1591/121, 6-7=-1221/314, 7-8=-1010/291, 8-9=-1010/291, 9-10=-1010/291, 10-11=-1010/291, 11-12=-1010/291, 12-13=-1106/301, 13-14=-1945/156, 14-15=-1007/130, 15-16=-376/2305, 16-17=-402/2220, 17-18=-126/1627, 2-28=-1942/7
BOT CHORD	27-28=-107/387, 26-27=-107/387, 25-26=0/1629, 24-25=0/1629, 24-36=0/1572, 36-37=0/1572, 23-37=0/1572, 22-23=-557/432, 21-22=-557/431, 20-21=-1446/158, 18-20=-1446/158
WEBS	6-26=-341/192, 6-33=-823/14, 33-34=-820/14, 29-34=-820/14, 29-35=-820/14, 13-35=-821/14, 13-24=-61/781, 14-23=-1557/0, 15-23=0/1879, 15-21=-3191/476, 17-21=-846/759, 17-20=-218/251, 2-32=0/1821, 31-32=0/1872, 30-31=0/1874, 26-30=0/2101, 14-24=0/402, 5-30=0/354, 3-32=-393/106, 27-32=-486/114, 8-33=-53/438

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; end vertical left exposed; porch 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.

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NOTES-

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.
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, with BCDL = 10.0psf.
10) Ceiling dead load (10.0 psf) on member(s). 6-33, 33-34, 29-34, 29-35, 13-35; Wall dead load (5.0psf) on member(s).6-26, 13-24
11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 24-26
12) WARNING: Required bearing size at joint(s) 21 greater than input bearing size.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 315 lb uplift at joint 21 and 421 lb uplift at joint 18.
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) Attic room checked for L/360 deflection.

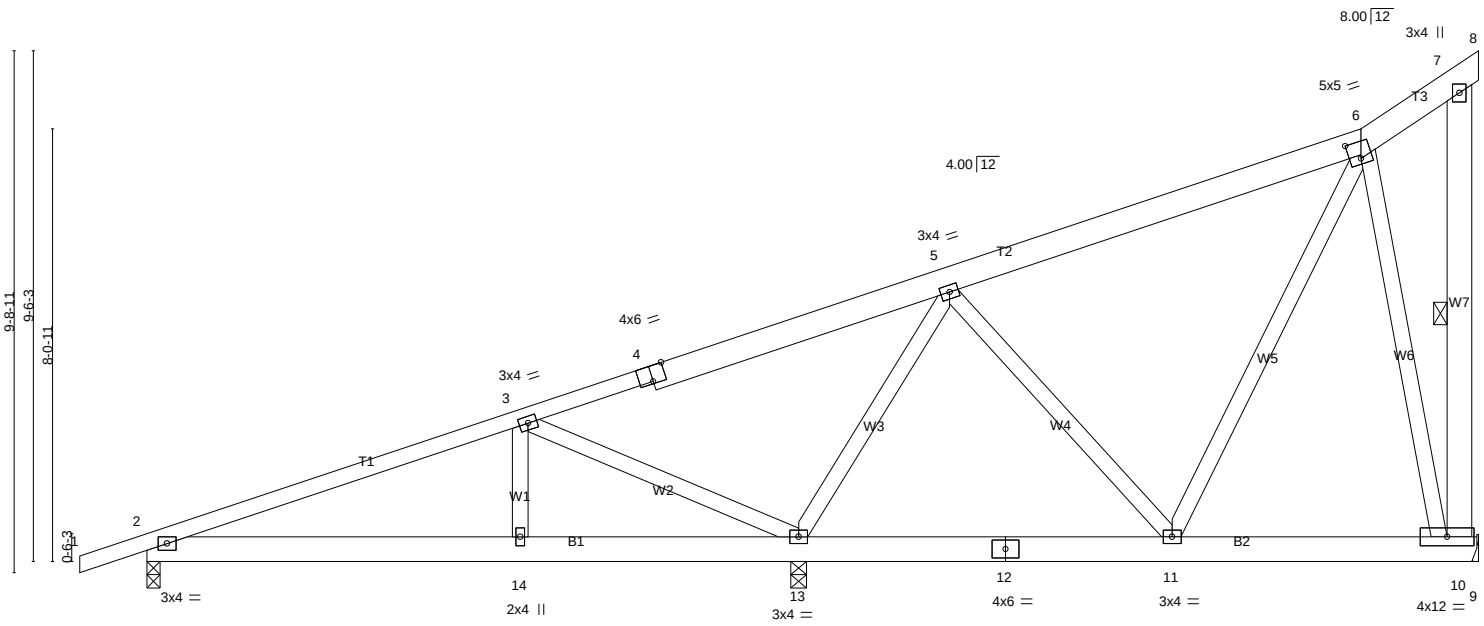
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	A2	ROOF SPECIAL	6	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:00 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-A1YCW10AHy1Q4R4BczbYemq2T6nM98YITZWvS2zciNb

1-3-0	6-11-8	14-11-8	22-7-8	24-9-12
1-3-0	6-11-8	8-0-0	7-8-0	2-2-4

Scale = 1:42.9



6-11-8	12-1-12	19-1-4	24-9-12
6-11-8	5-2-4	6-11-8	5-8-8

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

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	0.42	Vert(LL)	0.05	2-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.05	2-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 185 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1 *Except* T1: 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except* W7: 2x6 SP No.1

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, Except: 6-0-0 oc bracing: 11-13.
WEBS 1 Row at midpt 7-10

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

REACTIONS. (lb/size) 10=409/Mechanical, 2=453/0-3-0 (min. 0-1-8), 13=1196/0-3-8 (min. 0-1-8)
Max Horz 2=299(LC 12)
Max Uplift10=-104(LC 12), 2=-160(LC 8), 13=-313(LC 8)
Max Grav 10=439(LC 2), 2=453(LC 1), 13=1196(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-466/188, 3-15=-401/204, 3-4=-401/332, 4-5=-375/434
BOT CHORD 2-14=-477/377, 13-14=-477/377
WEBS 3-14=-297/261, 3-13=-792/711, 5-13=-834/318, 6-10=-343/118

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) -1-3-0 to 3-1-13, Interior(1) 3-1-13 to 24-9-12 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 10, 160 lb uplift at joint 2 and 313 lb uplift at joint 13.
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

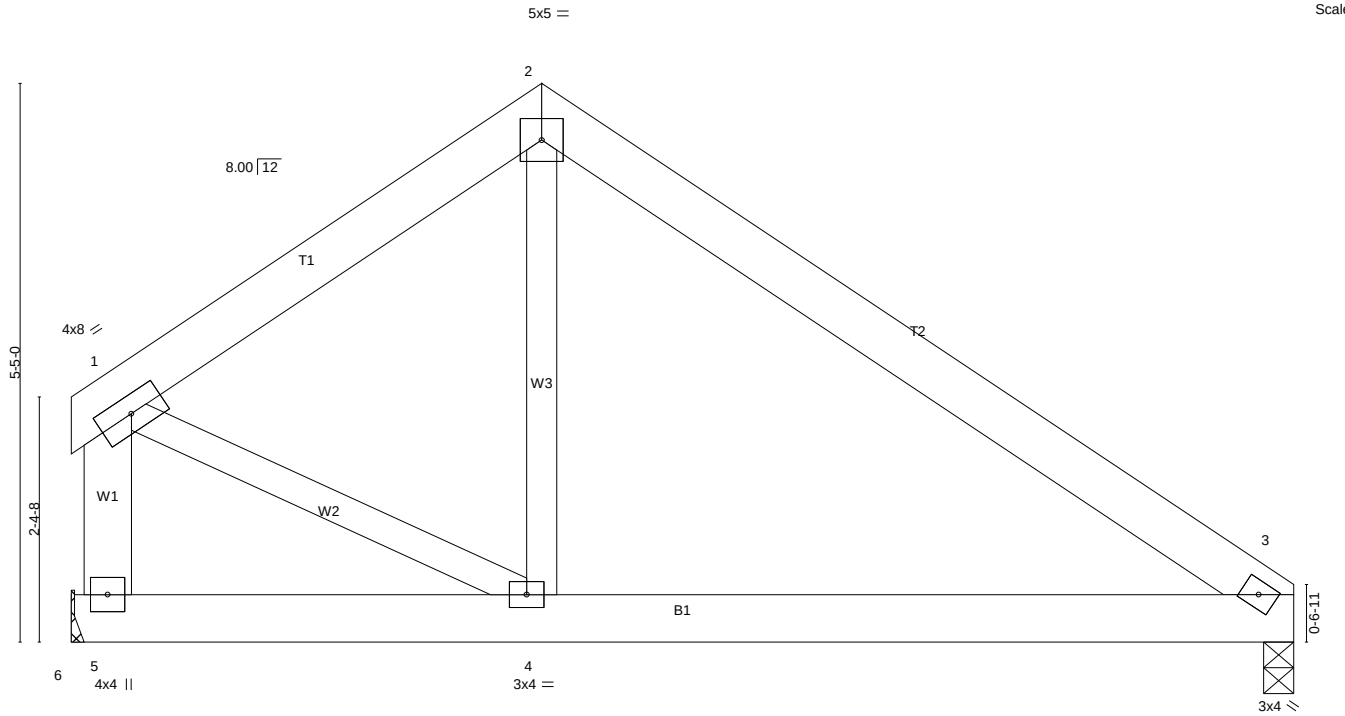
Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	A3	Common	6	1	Job Reference (optional)

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

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:01 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-eD6bjN1p2G9HibeOAg6nB_NFwW7quhwSiDFS?UzciNa

4-6-12 | 11-10-4
4-6-12 | 7-3-8

Scale = 1:22.3



4-6-12 | 11-10-4
4-6-12 | 7-3-8

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	0.25	Vert(LL)	-0.02	3-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.04	3-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.01	3-4	>999	240	Weight: 79 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W1: 2x6 SP No.1

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.

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

REACTIONS. (lb/size) 3=454/0-3-8 (min. 0-1-8), 5=461/Mechanical
Max Horz 5=-115(LC 8)
Max Uplift3=-23(LC 13), 5=-20(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-411/148, 2-7=-335/115, 7-8=-360/91, 3-8=-476/85, 1-5=-435/153
BOT CHORD 3-4=0/297
WEBS 1-4=-50/328

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 8-11-9, Interior(1) 8-11-9 to 11-8-8 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 3 and 20 lb uplift at joint 5.
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.

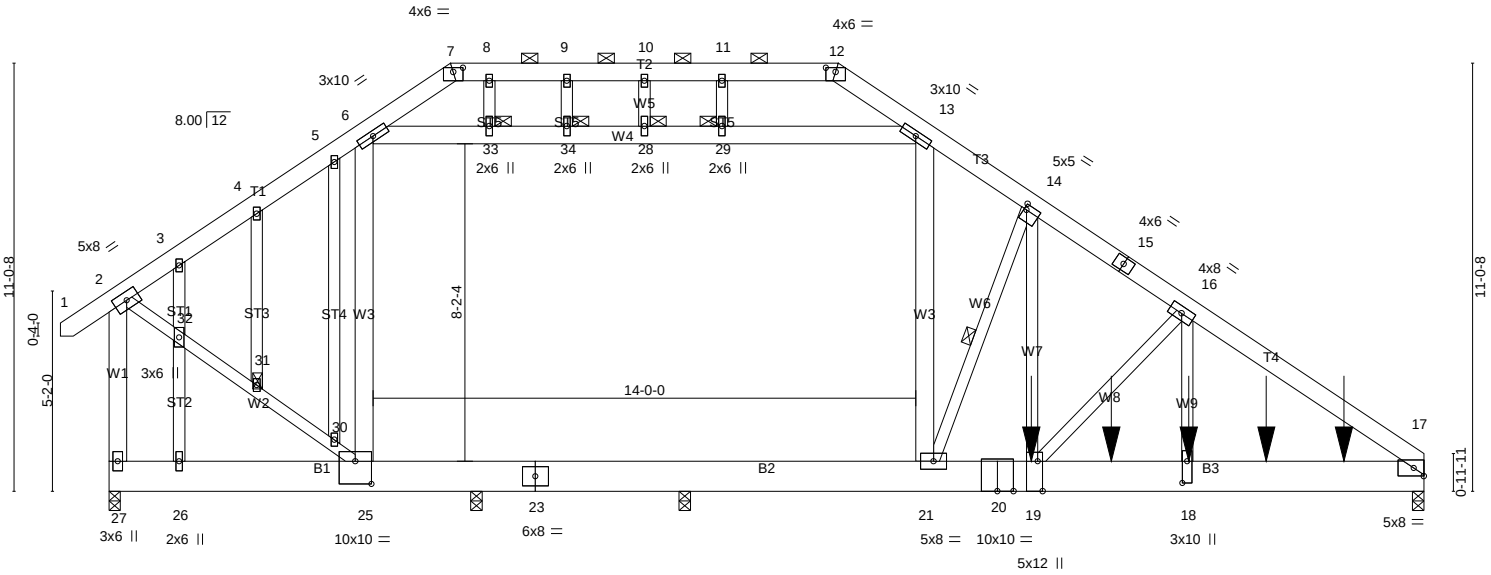
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	A4-GR	GABLE	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:02 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-6QgzxjzRpaH8JkDajOd0jBvPpvKSdxsbxt?0XwzciNZ

-1-3-0	6-7-0	8-9-12	13-9-12	18-9-12	21-0-8	23-9-12	27-9-12	33-11-0
1-3-0	6-7-0	2-2-12	5-0-0	5-0-0	2-2-12	2-9-4	4-0-0	6-1-4

Scale = 1:59.4



6-7-0	9-4-0	14-10-4	21-0-8	23-9-12	27-9-12	33-11-0
6-7-0	2-9-0	5-6-4	6-2-4	2-9-4	4-0-0	6-1-4

Plate Offsets (X,Y)-- [7:0-3-0,0-1-5], [12:0-3-0,0-1-5], [14:0-0-12,0-1-12], [18:0-6-12,0-1-8], [19:0-9-4,Edge], [25:0-5-0,0-7-0]

LOADING (psf)		**SPACING-**	1-6-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	-0.26	19-21	>889	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.45	19-21	>507	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.93	Horz(CT)	0.03	17	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.14	19-21	>999	240	Weight: 773 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x4 SP No.2 *Except* W3,W4,W1: 2x6 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-1 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-12.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 26-27,25-26.
WEBS 1 Row at midpt 14-21
JOINTS 1 Brace at Jt(s): 28, 29, 31, 33, 34

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 27=-296(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) except 27=-147(LC 9), 17=-269(LC 9), 24=-5500(LC 23), 22=-110(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 27=4358(LC 2), 17=6982(LC 2), 24=413(LC 4), 22=5230(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4056/173, 3-4=-4336/222, 4-5=-4281/237, 5-6=-3729/226, 6-7=-1123/205, 7-8=-884/180, 8-9=-884/180, 9-10=-884/180, 10-11=-884/180, 11-12=-884/180, 12-13=-918/189, 13-14=-4389/205, 14-15=-7188/298, 15-16=-7214/280, 16-17=-9740/351, 2-27=-4460/156
BOT CHORD 26-27=-246/257, 25-26=-246/257, 24-25=-37/3514, 23-24=-37/3514, 22-23=-37/3514, 21-22=-37/3514, 20-21=-28/5994, 19-20=-28/5994, 19-35=-197/7801, 18-35=-197/7801, 18-36=-197/7801, 36-37=-197/7801, 17-37=-197/7801
WEBS 6-25=-190/974, 6-33=-2689/194, 33-34=-2682/194, 28-34=-2682/194, 28-29=-2682/194, 13-29=-2683/194, 13-21=-115/2179, 2-32=-157/4281, 31-32=-159/4373, 30-31=-163/4386, 25-30=-184/4979, 5-30=-32/920, 3-32=-564/117, 26-32=-725/132, 8-33=-44/583, 14-21=-6795/392, 14-19=-342/7567, 16-19=-2682/251, 16-18=-72/3582

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: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.

Continued on page 2

NOTES-

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; end vertical left 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). 6-33, 33-34, 28-34, 28-29, 13-29; Wall dead load (5.0psf) on member(s).6-25, 13-21
12) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 24-25, 22-24, 21-22
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 147 lb uplift at joint 27, 269 lb uplift at joint 17, 5500 lb uplift at joint 24 and 110 lb uplift at joint 22.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3380 lb down and 111 lb up at 23-9-8, 1229 lb down and 40 lb up at 25-10-4, 1229 lb down and 40 lb up at 27-10-4, and 1122 lb down and 40 lb up at 29-10-4, and 1122 lb down and 40 lb up at 31-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
18) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-45, 2-7=-45, 7-12=-45, 12-17=-45, 25-27=-15, 21-25=-30, 17-21=-15, 6-13=-15
   Drag: 6-25=-8, 13-21=-8
   Concentrated Loads (lb)
   Vert: 19=-2806(F) 18=-1020(F) 35=-1020(F) 36=-1020(F) 37=-1020(F)

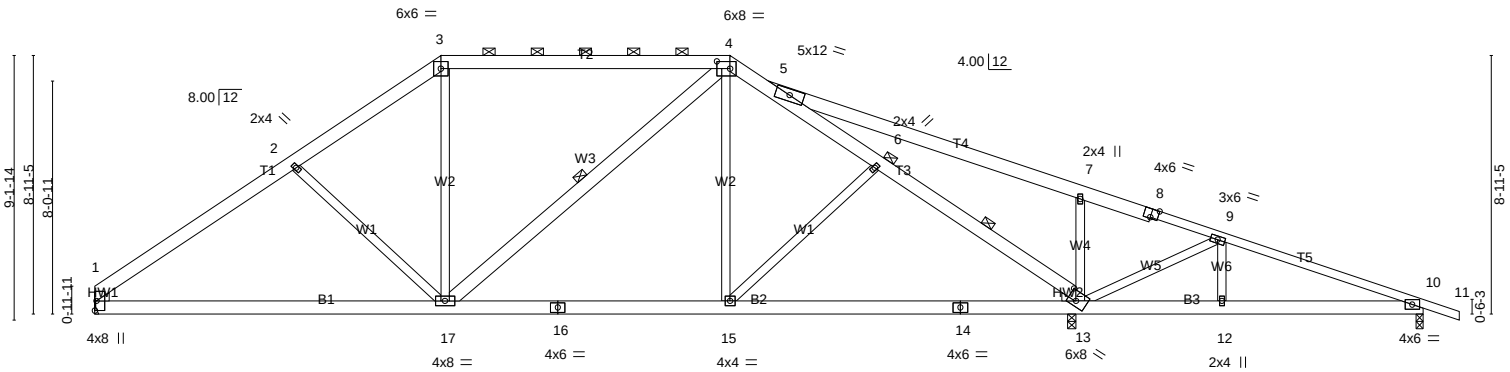
Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	B1	PIGGYBACK BASE	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:03 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-acEL8333atP?xuomH58FGPSW9JfaMXWlAXkZ3NzciNY

26-11-8

6-11-8	11-11-8	21-11-8	23-3-8	33-11-0	38-11-8	45-11-0	47-2-0
6-11-8	5-0-0	10-0-0	1-4-0 3-8-0	6-11-8	5-0-8	6-11-8	1-3-0

Scale = 1:79.6



11-11-8	21-11-8	33-9-4	38-11-8	45-11-0
11-11-8	10-0-0	11-9-12	5-2-4	6-11-8

Plate Offsets (X,Y)-- [4:0-5-8,0-3-0], [8:0-3-0,Edge], [13:0-3-9,0-3-14]

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	0.52	Vert(LL)	-0.14	1-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.31	1-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.04	10-12	>999	240	Weight: 339 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1 *Except* T5: 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except* W3: 2x6 SP No.1
WEDGE
Left: 2x4 SP No.2 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-1 oc purlins, except
2-0-0 oc purlins (5-9-13 max.): 3-4, 5-13. Except:
1 Row at midpt 6-13
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-17
JOINTS 1 Brace at Jt(s): 6

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

REACTIONS. (lb/size) 1=1296/Mechanical, 10=370/0-3-0 (min. 0-1-8), 13=2076/0-3-8 (min. 0-2-7)
Max Horz 1=-219(LC 8)
Max Uplift 1=-42(LC 12), 10=-166(LC 9), 13=-364(LC 9)
Max Grav 1=1360(LC 19), 10=379(LC 24), 13=2077(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-1862/377, 2-18=-1746/402, 2-19=-1644/360, 3-19=-1574/391, 3-20=-1314/384, 20-21=-1314/384, 4-21=-1314/384, 4-5=-1497/331, 5-6=-1965/465, 6-13=-1960/467, 5-7=-160/476, 7-8=-244/442, 8-9=-261/403
BOT CHORD 1-23=-208/1567, 23-24=-208/1567, 17-24=-208/1567, 16-17=-1/1303, 16-25=-1/1303, 15-25=-1/1303, 15-26=-10/1278, 26-27=-10/1278, 14-27=-10/1278, 13-14=-10/1278
WEBS 2-17=-373/228, 3-17=0/532, 4-15=0/515, 9-13=-518/522, 9-12=-251/191, 7-13=-570/269

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) 0-0-12 to 4-7-14, Interior(1) 4-7-14 to 11-11-8, Exterior(2) 11-11-8 to 16-6-10, Interior(1) 16-6-10 to 21-11-8, Exterior(2) 21-11-8 to 23-2-5, Interior(1) 23-2-5 to 47-2-0 zone; porch right 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) 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) Refer to girder(s) for truss to truss connections.

Continued on page 2

NOTES-

7) Solid blocking is required on both sides of the truss at joint(s), 13.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 1, 166 lb uplift at joint 10 and 364 lb uplift at joint 13.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

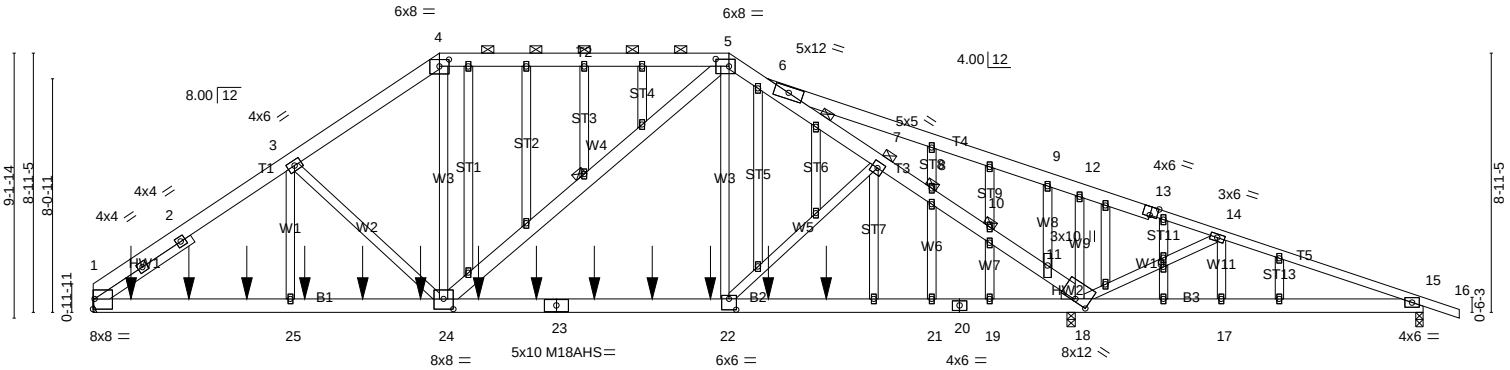
Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	B1SG	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:05 2022 Page 1
ID:N2BvuzWnGFlfrlAmPE8V9mzhuQb-W?M5Zl4J5VgjACy9PWBjLqXoV7MuqIw1drDg8FzciNW

26-11-8

6-11-8	11-11-8	21-11-8	23-3-8	33-11-0	38-11-8	45-11-0	47-2-0
6-11-8	5-0-0	10-0-0	1-4-0 3-8-0	6-11-8	5-0-8	6-11-8	1-3-0

Scale = 1:79.5



6-11-8	11-11-8	21-11-8	33-9-4	38-11-8	45-11-0
6-11-8	5-0-0	10-0-0	11-9-12	5-2-4	6-11-8

Plate Offsets (X,Y)-- [1:Edge,0-4-4], [4:0-4-0,0-2-13], [5:0-5-8,0-3-0], [13:0-3-0,Edge], [18:0-5-10,0-1-1], [22:0-3-0,0-4-8], [24:0-4-0,0-4-4], [44:0-1-14,0-1-0]

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	0.79	Vert(LL)	0.32	22-24	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.43	22-24	>960	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.91	Horz(CT)	0.08	15	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 428 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1 *Except* T5: 2x4 SP No.1
BOT CHORD	2x6 SP 2400F 2.0E
WEBS	2x4 SP No.2 *Except* W4: 2x6 SP No.1
OTHERS	2x4 SP No.2
WEDGE	Right: 2x4 SP No.3
SLIDER	Left 2x4 SP No.2 - 3-11-11

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-2-6 oc purlins, except 2-0-0 oc purlins (3-5-13 max.): 4-5, 6-18. Except: 1 Row at midpt 6-7
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 7-10-9 oc bracing: 1-25 7-11-5 oc bracing: 24-25.
WEBS	1 Row at midpt 5-24
JOINTS	1 Brace at Jt(s): 7, 8, 10

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

REACTIONS. (lb/size) 1=3195/Mechanical, 15=411/0-3-0 (min. 0-1-8), 18=3232/0-3-8 (min. 0-2-11)
Max Horz 1=-302(LC 25)
Max Uplift1=-1482(LC 8), 15=-263(LC 24), 18=-1353(LC 5)
Max Grav 1=3259(LC 33), 15=413(LC 20), 18=3232(LC 1)

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

TOP CHORD	1-2=-4435/1927, 2-3=-4337/1971, 3-4=-3627/1676, 4-5=-3029/1454, 5-6=-3364/1413, 6-7=-3858/1523, 7-8=-3865/1513, 8-10=-3907/1453, 10-11=-3930/1463, 11-18=-4379/1770, 6-9=-118/440, 9-12=-274/483, 12-13=-232/399, 13-14=-247/320, 14-15=-348/181
BOT CHORD	1-47=-1621/3693, 47-48=-1621/3693, 48-49=-1621/3693, 25-49=-1621/3693, 25-50=-1621/3693, 50-51=-1621/3693, 51-52=-1621/3693, 24-52=-1621/3693, 24-53=-913/2945, 53-54=-913/2945, 23-54=-913/2945, 23-55=-913/2945, 55-56=-913/2945, 56-57=-913/2945, 57-58=-913/2945, 22-58=-913/2945, 22-59=-851/2886, 59-60=-851/2886, 60-61=-851/2886, 61-62=-851/2886, 21-62=-851/2886, 20-21=-851/2886, 19-20=-851/2886, 18-19=-851/2886, 17-18=-106/313, 15-17=-106/313
WEBS	3-24=-789/569, 4-24=-747/1665, 5-22=-362/1430, 14-18=-644/430, 14-17=-81/256, 5-24=-405/476, 9-11=-721/483, 3-25=-413/773

NOTES-

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

Continued on page 2

NOTES-

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; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) 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.
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, with BCDL = 10.0psf.
10) Refer to girder(s) for truss to truss connections.
11) Solid blocking is required on both sides of the truss at joint(s), 18.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1482 lb uplift at joint 1, 263 lb uplift at joint 15 and 1353 lb uplift at joint 18.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 267 lb down and 185 lb up at 1-3-12, 267 lb down and 185 lb up at 3-3-12, 267 lb down and 185 lb up at 5-3-12, 267 lb down and 185 lb up at 7-3-12, 267 lb down and 185 lb up at 9-3-12, 267 lb down and 185 lb up at 11-3-12, 267 lb down and 185 lb up at 13-3-12, 267 lb down and 185 lb up at 15-3-12, 267 lb down and 185 lb up at 17-3-12, 239 lb down and 128 lb up at 19-3-12, 239 lb down and 79 lb up at 21-3-12, and 239 lb down and 63 lb up at 23-3-12, and 246 lb down and 100 lb up at 25-3-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
16) 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

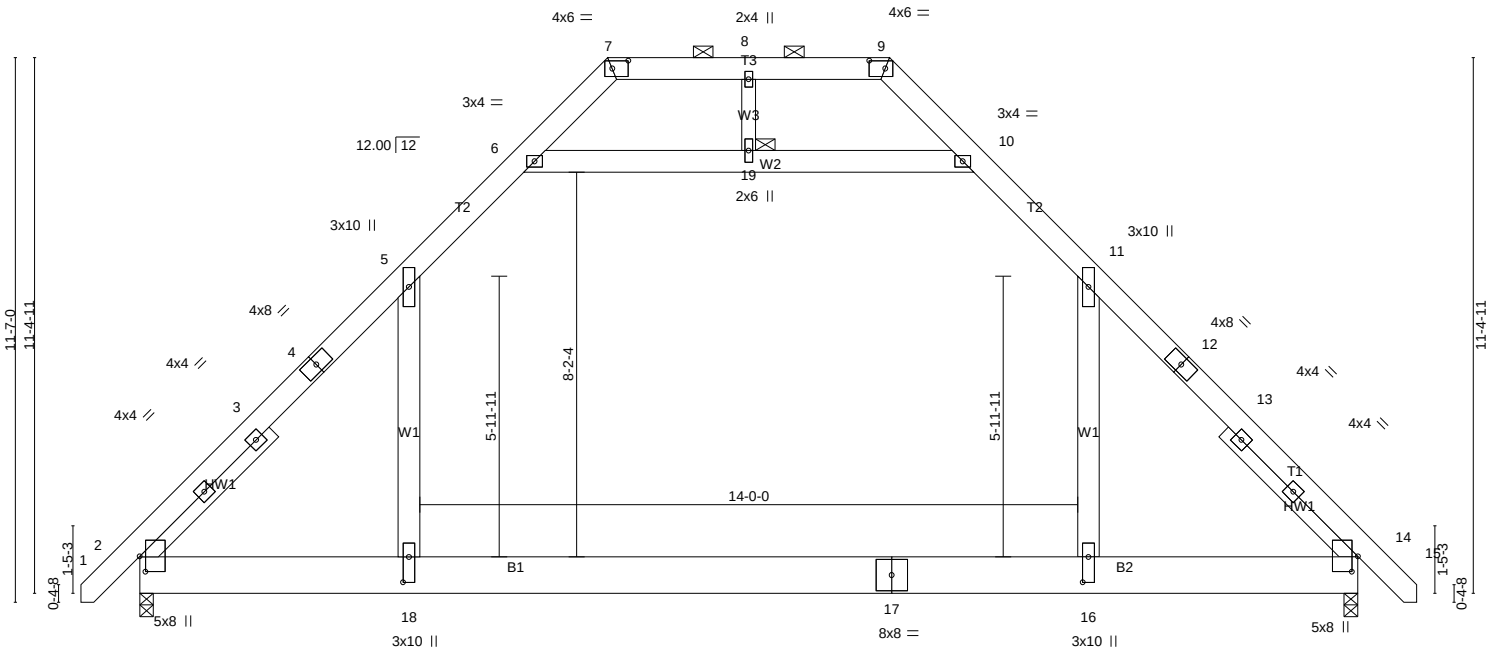
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-4=-60, 4-5=-60, 5-6=-60, 6-16=-60, 1-15=-20
   Concentrated Loads (lb)
      Vert: 47=-237(B) 48=-237(B) 49=-237(B) 50=-237(B) 51=-237(B) 52=-237(B) 53=-237(B) 54=-237(B) 56=-237(B) 57=-239(B) 58=-239(B) 59=-239(B) 60=-246(B)

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	C1	ATTIC	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:06 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-?BwUm55xsooZoMXLyEiyu14?cXdSZvYBsVzDghzciNV

-1-3-0	5-8-12	8-4-13	9-11-8	12-11-8	15-11-8	17-6-3	20-2-4	25-11-0	27-2-0
1-3-0	5-8-12	2-8-1	1-6-11	3-0-0	3-0-0	1-6-11	2-8-1	5-8-12	1-3-0

Scale = 1:49.0



5-8-12	20-2-4	25-11-0
5-8-12	14-5-8	5-8-12

Plate Offsets (X,Y)-- [2:0-3-15,0-1-8], [7:0-4-2,0-2-0], [9:0-4-2,0-2-0], [14:0-3-15,0-1-8], [16:0-6-8,0-1-8], [18:0-6-8,0-1-8]

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	0.70	Vert(LL)	-0.35	16-18	>888	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.56	16-18	>554	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.02	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.10	16-18	>999	240	Weight: 255 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1 *Except* T2: 2x6 SP 2400F 2.0E
BOT CHORD	2x10 SP No.1
WEBS	2x6 SP No.1 *Except* W3: 2x4 SP No.2
SLIDER	Left 2x4 SP No.2 -x 3-10-13, Right 2x4 SP No.2 -x 3-10-13

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-5-2 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
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. (lb/size) 2=1457/0-3-8 (min. 0-2-3), 14=1457/0-3-8 (min. 0-2-3)
Max Horz 2=-268(LC 10)
Max Grav 2=1851(LC 20), 14=1851(LC 21)

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

TOP CHORD	2-3=-2472/0, 3-20=-2325/0, 4-20=-2308/0, 4-5=-2260/0, 5-6=-1345/180, 6-7=-232/290, 7-8=-18/520, 8-9=-18/520, 9-10=-232/290, 10-11=-1345/180, 11-12=-2259/0, 12-21=-2308/0, 13-21=-2324/0, 13-14=-2472/0
BOT CHORD	2-22=0/1465, 18-22=0/1465, 17-18=0/1465, 16-17=0/1465, 16-23=0/1465, 14-23=0/1465
WEBS	5-18=0/1332, 6-19=-1824/110, 10-19=-1824/110, 11-16=0/1332

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) -1-1-6 to 3-3-7, Interior(1) 3-3-7 to 10-0-10, Exterior(2) 10-0-10 to 22-1-1, Interior(1) 22-1-1 to 27-0-6 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, with BCDL = 10.0psf.
6) Ceiling dead load (10.0 psf) on member(s). 5-6, 10-11, 6-19, 10-19; Wall dead load (5.0psf) on member(s).5-18, 11-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 16-18
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

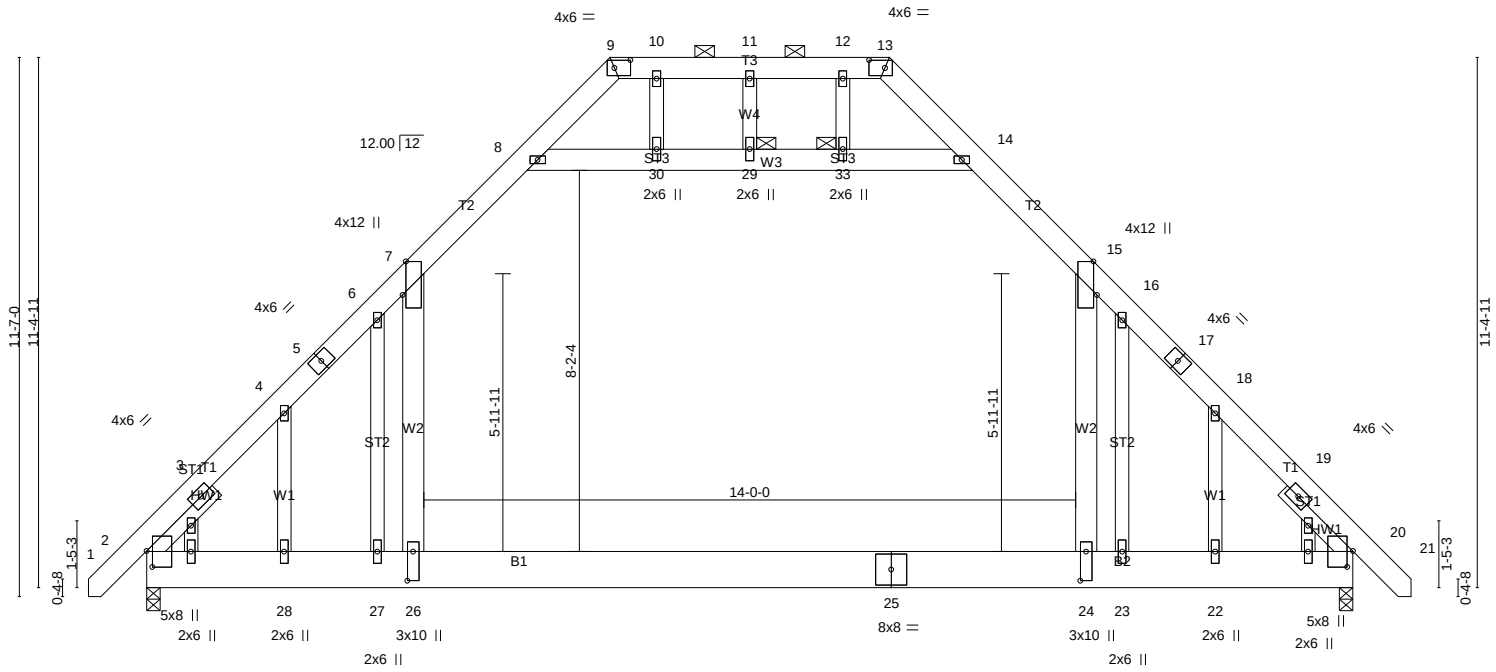
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	C1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:07 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-TNTs_Q6Zd6wQQW6XWxDBQFdBKw?uIl3K49inC8zciNU

1-3-0	5-8-12	8-4-13	9-11-8	12-11-8	15-11-8	17-6-3	20-2-4	25-11-0	27-2-0
1-3-0	5-8-12	2-8-1	1-6-11	3-0-0	3-0-0	1-6-11	2-8-1	5-8-12	1-3-0

Scale = 1:49.5



5-8-12	20-2-4	25-11-0
5-8-12	14-5-8	5-8-12

Plate Offsets (X,Y)-- [2:0-4-3,0-1-8], [7:0-8-10,Edge], [9:0-4-2,0-2-0], [13:0-4-2,0-2-0], [15:0-8-10,Edge], [20:0-4-3,0-1-8], [24:0-7-8,0-1-8], [26:0-7-8,0-1-8]

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	0.64	Vert(LL)	-0.29	24-26	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.88	Vert(CT)	-0.48	24-26	>649	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.55	Horz(CT)	0.02	20	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S		Wind(LL)	0.11	26	>999	240	Weight: 281 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1 *Except* T2: 2x6 SP 2400F 2.0E
BOT CHORD	2x10 SP No.1
WEBS	2x6 SP No.1 *Except* W4,W1: 2x4 SP No.2
OTHERS	2x4 SP No.2
SLIDER	Left 2x4 SP No.2 -x 2-0-0, Right 2x4 SP No.2 -x 2-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-11-2 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 9-13.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-0-15 oc bracing: 24-26.
JOINTS	1 Brace at Jt(s): 29, 33

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

REACTIONS. (lb/size) 2=1457/0-3-8 (min. 0-2-1), 20=1457/0-3-8 (min. 0-2-1)
Max Horz 2=-335(LC 10)
Max Grav 2=1750(LC 2), 20=1750(LC 2)

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

TOP CHORD	2-3=-2102/0, 3-4=-2071/0, 4-5=-2060/4, 5-6=-1996/13, 6-7=-2744/18, 7-8=-1296/209, 8-9=-336/228, 9-10=-106/324, 10-11=-106/324, 11-12=-106/324, 12-13=-106/324, 13-14=-336/229, 14-15=-1296/209, 15-16=-2743/18, 16-17=-1996/13, 17-18=-2059/4, 18-19=-2070/0, 19-20=-2101/0
BOT CHORD	2-28=0/1396, 27-28=0/1395, 26-27=0/1392, 25-26=0/1392, 24-25=0/1392, 23-24=0/1392, 22-23=0/1395, 20-22=0/1396
WEBS	7-26=0/2132, 8-30=-1541/150, 29-30=-1541/150, 29-33=-1541/150, 14-33=-1541/150, 15-24=0/2132, 6-27=-1107/0, 16-23=-1107/0

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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
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.

Continued on page 2

NOTES-

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) Ceiling dead load (10.0 psf) on member(s). 7-8, 14-15, 8-30, 29-30, 29-33, 14-33; Wall dead load (5.0psf) on member(s).7-26, 15-24
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 24-26
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.

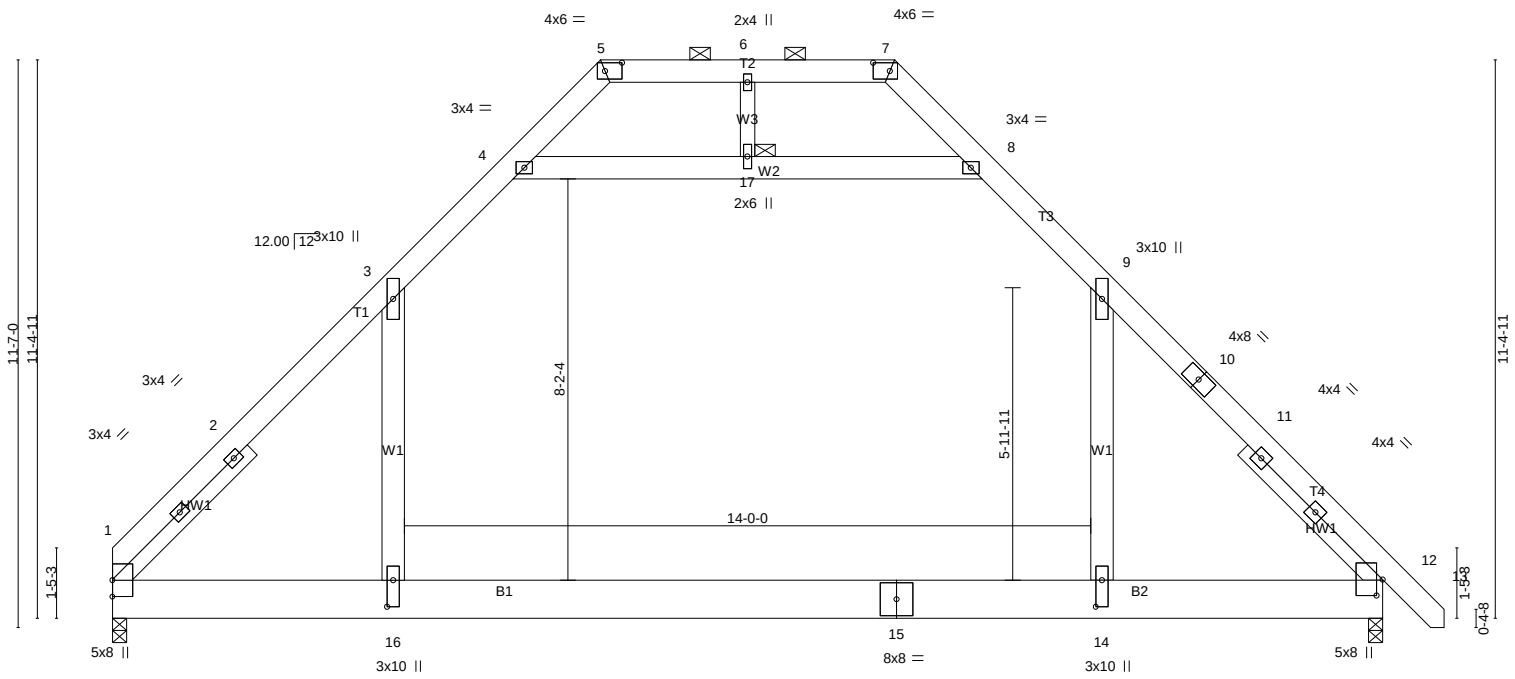
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	C2	ATTIC	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:08 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-xZ1EBm7COQ2H1fhk4fkQzS9L4KJu1p1UJpSKlazciNT

5-8-12	8-4-13	9-11-8	12-11-8	15-11-8	17-6-3	20-2-4	25-11-0	27-2-0
5-8-12	2-8-1	1-6-11	3-0-0	3-0-0	1-6-11	2-8-1	5-8-12	1-3-0

Scale = 1:47.0



5-8-12	20-2-4	25-11-0
5-8-12	14-5-8	5-8-12

Plate Offsets (X,Y)-- [5:0-4-2,0-2-0], [7:0-4-2,0-2-0], [12:0-3-15,0-1-8], [14:0-6-8,0-1-8], [16:0-6-8,0-1-8]

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	0.70	Vert(LL)	-0.35	14-16	>886	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.56	14-16	>554	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.10	14-16	>999	240	Weight: 252 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP 2400F 2.0E *Except* T2,T4: 2x6 SP No.1
BOT CHORD	2x10 SP No.1
WEBS	2x6 SP No.1 *Except* W3: 2x4 SP No.2
SLIDER	Left 2x4 SP No.2 -x 3-10-13, Right 2x4 SP No.2 -x 3-10-13

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-5-2 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
JOINTS	1 Brace at Jt(s): 17

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

REACTIONS. (lb/size) 1=1389/0-3-8 (min. 0-2-2), 12=1459/0-3-8 (min. 0-2-3)
Max Horz 1=-265(LC 8)
Max Grav 1=1794(LC 2), 12=1852(LC 2)

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

TOP CHORD	1-2=-2460/0, 2-18=-2295/0, 18-19=-2274/0, 3-19=-2249/0, 3-4=-1347/186, 4-5=-230/292, 5-6=-16/524, 6-7=-16/524, 7-8=-231/293, 8-9=-1346/180, 9-10=-2264/0, 10-20=-2312/0, 11-20=-2328/0, 11-12=-2476/0
BOT CHORD	1-21=0/1467, 16-21=0/1467, 15-16=0/1467, 14-15=0/1467, 14-22=0/1467, 12-22=0/1467
WEBS	3-16=0/1312, 4-17=-1828/126, 8-17=-1828/126, 9-14=0/1334

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 10-0-10, Exterior(2) 10-0-10 to 22-1-1, Interior(1) 22-1-1 to 27-0-6 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, with BCDL = 10.0psf.
6) Ceiling dead load (10.0 psf) on member(s). 3-4, 8-9, 4-17, 8-17; Wall dead load (5.0psf) on member(s).3-16, 9-14
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 14-16
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

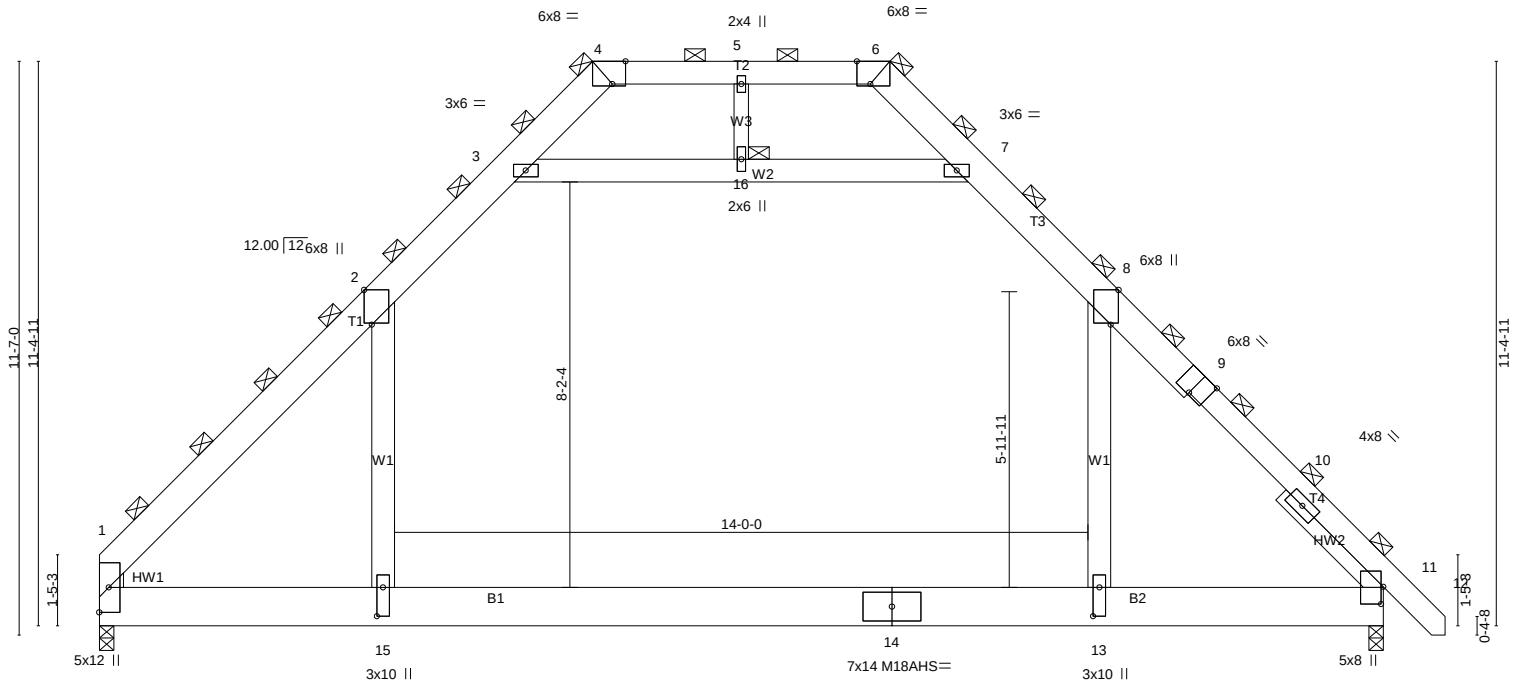
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	C2A-GR	ATTIC	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:09 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-PmbcP67q9jA8fpGweMFfWgiVYklomHHdYTBtH0zciNS

5-8-12	8-7-5	9-11-8	12-11-8	15-11-8	17-3-11	20-2-4	25-11-0	27-2-0
5-8-12	2-10-9	1-4-3	3-0-0	3-0-0	1-4-3	2-10-9	5-8-12	1-3-0

Scale = 1:46.5



5-8-12	20-2-4	25-11-0
5-8-12	14-5-8	5-8-12

Plate Offsets (X,Y)-- [2:0-8-6,Edge], [4:0-3-4,Edge], [6:0-3-4,Edge], [8:0-8-6,Edge], [9:0-4-0,Edge], [11:0-4-3,0-0-8], [13:0-7-0,0-1-8], [15:0-7-0,0-1-8]

LOADING (psf)		SPACING-	5-6-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.34	13-15	>916	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.54	13-15	>570	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.10	13-15	>999	240	Weight: 521 lb	FT = 20%

LUMBER-
TOP CHORD 2x8 SP 2400F 2.0E *Except* T2,T4: 2x6 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x6 SP No.1 *Except* W3: 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2
SLIDER Right 2x4 SP No.2 -x 2-9-6

BRACING-
TOP CHORD 2-0-0 oc purlins (5-2-9 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): 4, 6, 16

REACTIONS. (lb/size) 1=3806/0-3-8 (min. 0-1-15), 11=3987/0-3-8 (min. 0-2-1)
Max Horz 1=-728(LC 6)
Max Grav 1=4702(LC 2), 11=5021(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6690/0, 2-3=-3681/0, 3-4=-623/742, 4-5=-30/1400, 5-6=-30/1400, 6-7=-588/797, 7-8=-3630/0, 8-9=-5999/0, 9-10=-6147/0, 10-11=-6529/0
BOT CHORD 1-15=0/3966, 14-15=0/3966, 13-14=0/3966, 13-17=0/3966, 11-17=0/3966
WEBS 2-15=0/3527, 3-16=-4893/0, 7-16=-4893/0, 8-13=0/3488, 5-16=0/302

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x6 - 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: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Ceiling dead load (10.0 psf) on member(s). 2-3, 7-8, 3-16, 7-16; Wall dead load (5.0psf) on member(s).2-15, 8-13

Continued on page 2

NOTES-

10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
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) Attic room checked for L/360 deflection.

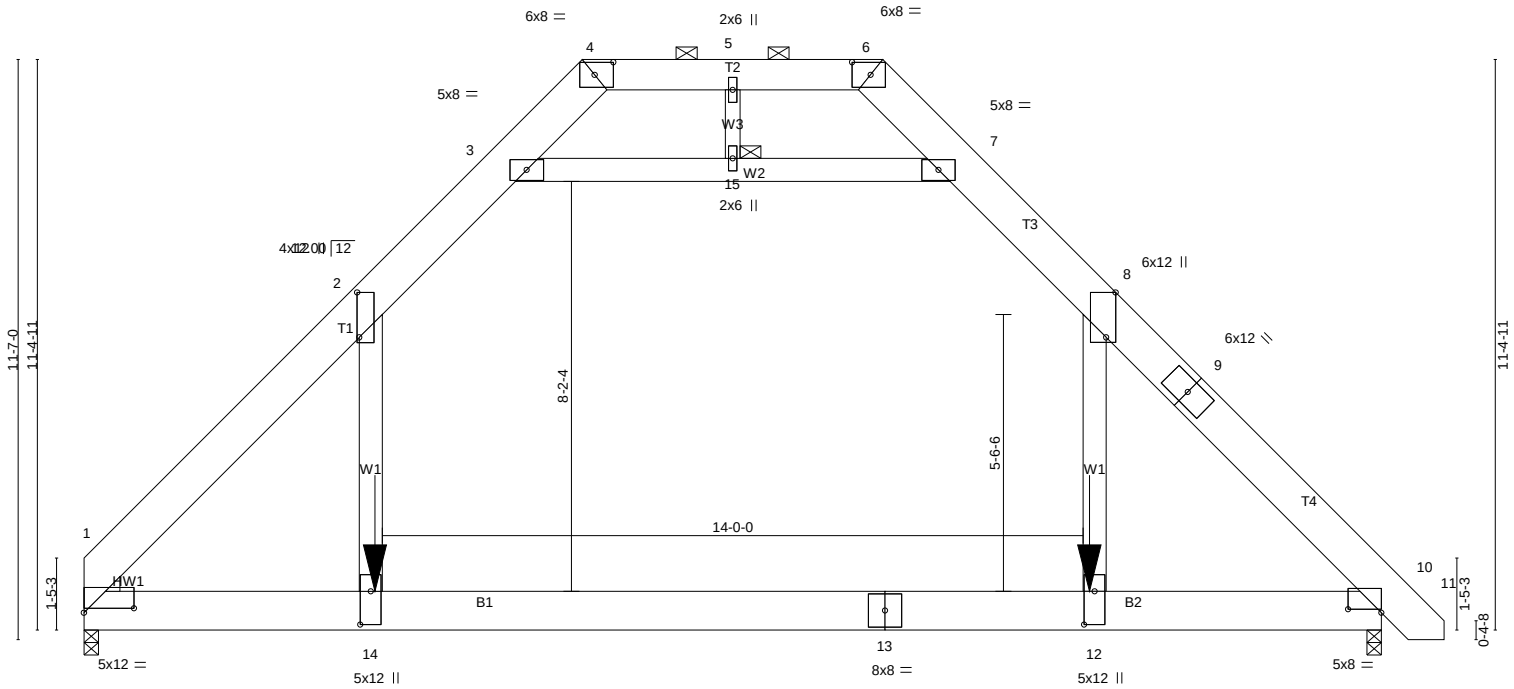
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	C2-GR	ATTIC	2	3	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:10 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-ty9_cS8Sw1I?Hzq6B3mu2tFik86sVh0nn7xRpTzciNR

5-8-12	8-10-2	9-11-8	12-11-8	15-11-8	17-0-14	20-2-4	25-11-0	27-2-0
5-8-12	3-1-6	1-1-6	3-0-0	3-0-0	1-1-6	3-1-6	5-8-12	1-3-0

Scale = 1:46.0



5-8-12	20-2-4	25-11-0
5-8-12	14-5-8	5-8-12

Plate Offsets (X,Y)-- [1:1-0-0,0-1-1], [2:0-10-12,0-0-8], [4:0-4-7,0-3-0], [6:0-4-7,0-3-0], [8:0-10-13,Edge], [10:0-8-0,0-0-13], [12:0-8-0,0-2-8], [14:0-8-0,0-2-8]

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	0.63	Vert(LL)	-0.32	12-14	>955	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.48	Vert(CT)	-0.45	12-14	>689	240		
BCLL	0.0 *	Rep Stress Incr NO	WB	0.41	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S		Wind(LL)	0.06	12-14	>999	240	Weight: 872 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 SP 2400F 2.0E *Except*
T2: 2x8 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x6 SP No.1 *Except*
W3: 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
2-0-0 oc purlins (10-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 15

REACTIONS. (lb/size) 1=4860/0-3-8 (min. 0-2-7), 10=5162/0-3-8 (min. 0-2-15)
Max Horz 1=-263(LC 6)
Max Grav 1=8800(LC 16), 10=10537(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-11708/0, 2-3=-5236/0, 3-4=0/2787, 4-5=0/4227, 5-6=0/4227, 6-7=0/2831, 7-8=-5193/0, 8-9=-11447/0, 9-10=-11740/0
BOT CHORD 1-14=0/6887, 13-14=0/6947, 12-13=0/6947, 10-12=0/6885
WEBS 2-14=0/8804, 3-15=-11095/0, 7-15=-11095/0, 8-12=0/8871, 5-15=0/366

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 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 0-6-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered at 0-4-0 oc, Except member 3-7 2x6 - 2 rows staggered at 0-9-0 oc, member 8-12 2x6 - 2 rows staggered at 0-5-0 oc, 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); 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). 2-3, 7-8, 3-15, 7-15; Wall dead load (5.0psf) on member(s).2-14, 8-12
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14

Continued on page 2

NOTES-

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) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5726 lb down and 349 lb up at 5-9-12, and 3700 lb down and 226 lb up at 20-1-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
14) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard Except:

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-3=-80, 3-4=-60, 4-6=-60, 6-7=-60, 7-8=-80, 8-11=-60, 1-14=-20, 12-14=-90(F=-50), 10-12=-223(F=-203), 3-7=-20
   Drag: 2-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=-3250(F) 12=-2100(F)
2) Dead + 0.75 Roof Live (balanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-50, 2-3=-70, 3-4=-50, 4-6=-50, 6-7=-50, 7-8=-70, 8-11=-50, 1-14=-20, 12-14=-300(F=-200), 10-12=-666(F=-646), 3-7=-20
   Drag: 2-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=-5281(F) 12=-3412(F)
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-20, 2-3=-40, 3-4=-20, 4-6=-20, 6-7=-20, 7-8=-40, 8-11=-20, 1-14=-40, 12-14=-90(F=-50), 10-12=-243(F=-203), 3-7=-20
   Drag: 2-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=-2438(F) 12=-1575(F)
4) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-13, 2-3=-25, 3-4=-13, 4-6=21, 6-7=11, 7-8=-1, 8-10=11, 10-11=4, 1-14=-12, 12-14=-74(F=-50), 10-12=-215(F=-203), 3-7=-12
   Horz: 1-4=1, 6-10=23, 10-11=16
   Drag: 2-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=349(F) 12=226(F)
5) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=11, 2-3=-1, 3-4=11, 4-6=21, 6-7=-13, 7-8=-25, 8-10=-13, 10-11=2, 1-14=-12, 12-14=-74(F=-50), 10-12=-215(F=-203), 3-7=-12
   Horz: 1-4=-23, 6-10=-1, 10-11=14
   Drag: 2-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=349(F) 12=226(F)
6) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-35, 2-3=-55, 3-4=-35, 4-6=-1, 6-7=-11, 7-8=-31, 8-10=-11, 10-11=-4, 1-14=-20, 12-14=-90(F=-50), 10-12=-223(F=-203), 3-7=-20
   Horz: 1-4=15, 6-10=9, 10-11=16
   Drag: 2-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=-2219(F) 12=-1434(F)
7) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-11, 2-3=-31, 3-4=-11, 4-6=-1, 6-7=-35, 7-8=-55, 8-10=-35, 10-11=-28, 1-14=-20, 12-14=-90(F=-50), 10-12=-223(F=-203), 3-7=-20
   Horz: 1-4=-9, 6-10=-15, 10-11=-8
   Drag: 2-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=-2219(F) 12=-1434(F)
8) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=21, 2-3=9, 3-4=21, 4-6=9, 6-7=9, 7-8=-3, 8-10=9, 10-11=2, 1-14=-12, 12-14=-74(F=-50), 10-12=-215(F=-203), 3-7=-12
   Horz: 1-4=-33, 6-10=21, 10-11=14
   Drag: 2-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=349(F) 12=226(F)
9) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=9, 2-3=-3, 3-4=9, 4-6=9, 6-7=21, 7-8=9, 8-10=21, 10-11=14, 1-14=-12, 12-14=-74(F=-50), 10-12=-215(F=-203), 3-7=-12
   Horz: 1-4=-21, 6-10=33, 10-11=26
   Drag: 2-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=349(F) 12=226(F)
10) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=21, 2-3=9, 3-4=21, 4-6=9, 6-7=9, 7-8=-3, 8-10=9, 10-11=2, 1-14=-12, 12-14=-74(F=-50), 10-12=-215(F=-203), 3-7=-12
   Horz: 1-4=-33, 6-10=21, 10-11=14
   Drag: 2-14=-10, 8-12=-10
   Concentrated Loads (lb)
   Vert: 14=349(F) 12=226(F)
11) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 3

LOAD CASE(S) Standard Except:

Uniform Loads (plf)
Vert: 1-2=9, 2-3=-3, 3-4=9, 4-6=9, 6-7=21, 7-8=9, 8-10=21, 10-11=14, 1-14=-12, 12-14=-74(F=-50), 10-12=-215(F=-203), 3-7=-12
Horz: 1-4=-21, 6-10=33, 10-11=26
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=349(F) 12=226(F)

12) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-1, 2-3=-21, 3-4=-1, 4-6=-13, 6-7=-13, 7-8=-33, 8-10=-13, 10-11=-6, 1-14=-20, 12-14=-90(F=-50), 10-12=-223(F=-203), 3-7=-20
Horz: 1-4=-19, 6-10=7, 10-11=14
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-1899(F) 12=-1227(F)

13) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-13, 2-3=-33, 3-4=-13, 4-6=-13, 6-7=-1, 7-8=-21, 8-10=-1, 10-11=6, 1-14=-20, 12-14=-90(F=-50), 10-12=-223(F=-203), 3-7=-20
Horz: 1-4=-7, 6-10=19, 10-11=26
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-1899(F) 12=-1227(F)

14) Dead + Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-40, 3-4=-20, 4-6=-20, 6-7=-20, 7-8=-40, 8-11=-20, 1-14=-20, 12-14=-370(F=-250), 10-12=-636(F=-616), 3-7=-20
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-4875(F) 12=-3150(F)

15) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-40, 3-4=-20, 4-6=-20, 6-7=-20, 7-8=-40, 8-11=-20, 1-14=-20, 12-14=-370(F=-250), 10-12=-636(F=-616), 3-7=-20
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-4875(F) 12=-3150(F)

16) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-61, 2-3=-81, 3-4=-61, 4-6=-36, 6-7=-43, 7-8=-63, 8-10=-43, 10-11=-38, 1-14=-20, 12-14=-300(F=-200), 10-12=-666(F=-646), 3-7=-20
Horz: 1-4=11, 6-10=7, 10-11=12
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-5726(F) 12=-3700(F)

17) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-43, 2-3=-63, 3-4=-43, 4-6=-36, 6-7=-61, 7-8=-81, 8-10=-61, 10-11=-56, 1-14=-20, 12-14=-300(F=-200), 10-12=-666(F=-646), 3-7=-20
Horz: 1-4=-7, 6-10=-11, 10-11=-6
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-5726(F) 12=-3700(F)

18) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-36, 2-3=-56, 3-4=-36, 4-6=-45, 6-7=-45, 7-8=-65, 8-10=-45, 10-11=-40, 1-14=-20, 12-14=-300(F=-200), 10-12=-666(F=-646), 3-7=-20
Horz: 1-4=-14, 6-10=5, 10-11=10
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-5487(F) 12=-3545(F)

19) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-45, 2-3=-65, 3-4=-45, 4-6=-45, 6-7=-36, 7-8=-56, 8-10=-36, 10-11=-31, 1-14=-20, 12-14=-300(F=-200), 10-12=-666(F=-646), 3-7=-20
Horz: 1-4=-5, 6-10=14, 10-11=19
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-5487(F) 12=-3545(F)

20) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-80, 3-4=-60, 4-6=-60, 6-7=-20, 7-8=-40, 8-11=-20, 1-14=-20, 12-14=-90(F=-50), 10-12=-223(F=-203), 3-7=-20
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-3250(F) 12=-2100(F)

21) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-40, 3-4=-20, 4-6=-60, 6-7=-60, 7-8=-80, 8-11=-60, 1-14=-20, 12-14=-90(F=-50), 10-12=-223(F=-203), 3-7=-20
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-3250(F) 12=-2100(F)

22) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15

Continued on page 4

LOAD CASE(S) Standard Except:
Uniform Loads (plf)
Vert: 1-2=-50, 2-3=-70, 3-4=-50, 4-6=-50, 6-7=-20, 7-8=-40, 8-11=-20, 1-14=-20, 12-14=-300(F=-200), 10-12=-666(F=-646), 3-7=-20
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-5281(F) 12=-3412(F)
23) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-40, 3-4=-20, 4-6=-50, 6-7=-50, 7-8=-70, 8-11=-50, 1-14=-20, 12-14=-300(F=-200), 10-12=-666(F=-646), 3-7=-20
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-5281(F) 12=-3412(F)
24) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-13, 2-3=-25, 3-4=-13, 4-6=21, 6-7=11, 7-8=-1, 8-10=11, 10-11=4, 1-14=-12, 12-14=-74(F=-50), 10-12=-215(F=-203), 3-7=-12
Horz: 1-4=1, 6-10=23, 10-11=16
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=349(F) 12=226(F)
25) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=11, 2-3=-1, 3-4=11, 4-6=21, 6-7=-13, 7-8=-25, 8-10=-13, 10-11=2, 1-14=-12, 12-14=-74(F=-50), 10-12=-215(F=-203), 3-7=-12
Horz: 1-4=-23, 6-10=-1, 10-11=14
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=349(F) 12=226(F)
26) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-35, 2-3=-55, 3-4=-35, 4-6=-1, 6-7=-11, 7-8=-31, 8-10=-11, 10-11=-4, 1-14=-20, 12-14=-90(F=-50), 10-12=-223(F=-203), 3-7=-20
Horz: 1-4=15, 6-10=9, 10-11=16
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-2219(F) 12=-1434(F)
27) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-11, 2-3=-31, 3-4=-11, 4-6=-1, 6-7=-35, 7-8=-55, 8-10=-35, 10-11=-28, 1-14=-20, 12-14=-90(F=-50), 10-12=-223(F=-203), 3-7=-20
Horz: 1-4=-9, 6-10=-15, 10-11=-8
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-2219(F) 12=-1434(F)
28) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=9, 3-4=21, 4-6=9, 6-7=9, 7-8=-3, 8-10=9, 10-11=2, 1-14=-12, 12-14=-74(F=-50), 10-12=-215(F=-203), 3-7=-12
Horz: 1-4=-33, 6-10=21, 10-11=14
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=349(F) 12=226(F)
29) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=9, 2-3=-3, 3-4=9, 4-6=9, 6-7=21, 7-8=9, 8-10=21, 10-11=14, 1-14=-12, 12-14=-74(F=-50), 10-12=-215(F=-203), 3-7=-12
Horz: 1-4=-21, 6-10=33, 10-11=26
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=349(F) 12=226(F)
30) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=9, 3-4=21, 4-6=9, 6-7=9, 7-8=-3, 8-10=9, 10-11=2, 1-14=-12, 12-14=-74(F=-50), 10-12=-215(F=-203), 3-7=-12
Horz: 1-4=-33, 6-10=21, 10-11=14
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=349(F) 12=226(F)
31) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=9, 2-3=-3, 3-4=9, 4-6=9, 6-7=21, 7-8=9, 8-10=21, 10-11=14, 1-14=-12, 12-14=-74(F=-50), 10-12=-215(F=-203), 3-7=-12
Horz: 1-4=-21, 6-10=33, 10-11=26
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=349(F) 12=226(F)
32) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-1, 2-3=-21, 3-4=-1, 4-6=-13, 6-7=-13, 7-8=-33, 8-10=-13, 10-11=-6, 1-14=-20, 12-14=-90(F=-50), 10-12=-223(F=-203), 3-7=-20
Horz: 1-4=-19, 6-10=7, 10-11=14
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-1899(F) 12=-1227(F)
33) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 5

LOAD CASE(S) Standard Except:

Uniform Loads (plf)
Vert: 1-2=-13, 2-3=-33, 3-4=-13, 4-6=-13, 6-7=-1, 7-8=-21, 8-10=-1, 10-11=6, 1-14=-20, 12-14=-90(F=-50), 10-12=-223(F=-203), 3-7=-20
Horz: 1-4=-7, 6-10=19, 10-11=26
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-1899(F) 12=-1227(F)

34) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-61, 2-3=-81, 3-4=-61, 4-6=-36, 6-7=-43, 7-8=-63, 8-10=-43, 10-11=-38, 1-14=-20, 12-14=-300(F=-200), 10-12=-666(F=-646), 3-7=-20
Horz: 1-4=11, 6-10=7, 10-11=12
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-5726(F) 12=-3700(F)

35) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-43, 2-3=-63, 3-4=-43, 4-6=-36, 6-7=-61, 7-8=-81, 8-10=-61, 10-11=-56, 1-14=-20, 12-14=-300(F=-200), 10-12=-666(F=-646), 3-7=-20
Horz: 1-4=-7, 6-10=-11, 10-11=-6
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-5726(F) 12=-3700(F)

36) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-36, 2-3=-56, 3-4=-36, 4-6=-45, 6-7=-45, 7-8=-65, 8-10=-45, 10-11=-40, 1-14=-20, 12-14=-300(F=-200), 10-12=-666(F=-646), 3-7=-20
Horz: 1-4=-14, 6-10=5, 10-11=10
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-5487(F) 12=-3545(F)

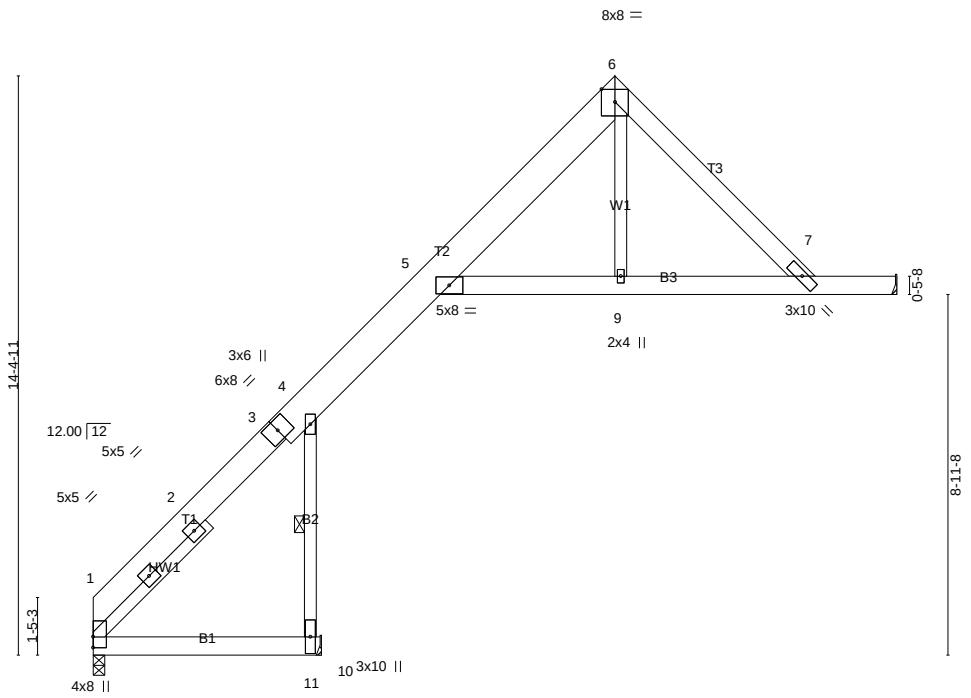
37) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-45, 2-3=-65, 3-4=-45, 4-6=-45, 6-7=-36, 7-8=-56, 8-10=-36, 10-11=-31, 1-14=-20, 12-14=-300(F=-200), 10-12=-666(F=-646), 3-7=-20
Horz: 1-4=-5, 6-10=14, 10-11=19
Drag: 2-14=-10, 8-12=-10
Concentrated Loads (lb)
Vert: 14=-5487(F) 12=-3545(F)

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	C3	Roof Special	6	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:11 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-L8jNqo94hLQsu7PJlnH7b5ny9YQeED9w?ng_LvzciNQ

5-8-0	8-7-6	12-11-8	17-11-3	19-11-8
5-8-0	2-11-6	4-4-2	4-11-11	2-0-5

Scale = 1:57.2



5-6-8	5-8-0	8-7-6	12-11-8	17-11-3	19-11-8
5-6-8	0-1-8	2-11-6	4-4-2	4-11-11	2-0-5

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)	-0.10	7-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.64	Vert(CT)	-0.20	7-9	>876	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.09	Horz(CT)	0.09	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S		Wind(LL)	0.07	7-9	>999	240	Weight: 145 lb	FT = 20%

LUMBER-
TOP CHORD 2x8 SP No.1 *Except*
T3: 2x6 SP No.1, T2: 2x10 SP No.1
BOT CHORD 2x6 SP No.1 *Except*
B2: 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 -x 4-0-6

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, Except:
6-0-0 oc bracing: 1-11.
5-7-0 oc bracing: 4-11

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

REACTIONS. (lb/size) 1=65/0-3-8 (min. 0-1-8), 11=951/Mechanical, 8=517/Mechanical
Max Horz 1=349(LC 12)
Max Uplift1=-197(LC 10), 11=-422(LC 12)
Max Grav 1=315(LC 9), 11=1090(LC 19), 8=517(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-428/438, 2-3=-399/470, 3-4=-369/458, 4-5=-414/77, 5-6=-606/142, 6-12=-511/165, 12-13=-647/161, 7-13=-648/128
BOT CHORD 4-11=-1125/548, 5-9=-7/440, 7-9=-7/451
WEBS 6-9=-14/393

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 12-11-8, Exterior(2) 12-11-8 to 17-4-5, Interior(1) 17-4-5 to 17-10-1 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 197 lb uplift at joint 1 and 422 lb uplift at joint 11.
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.

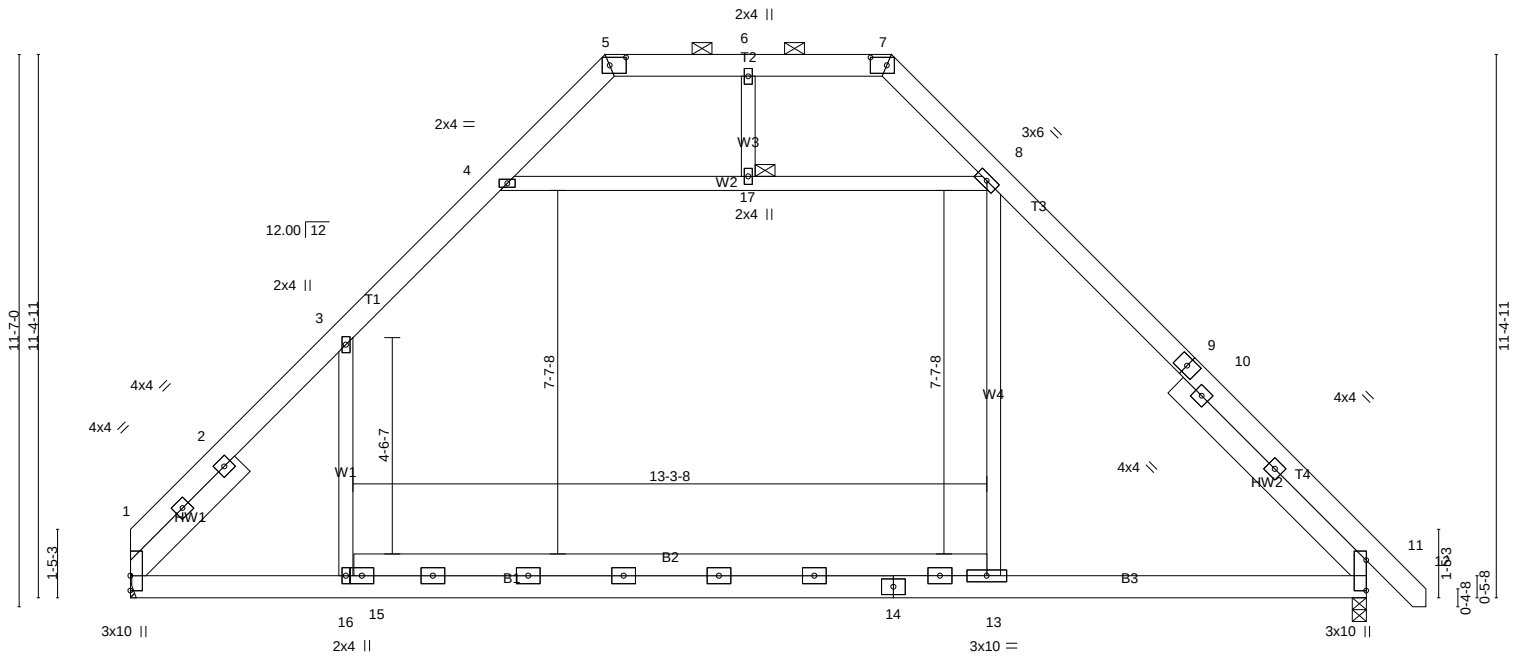
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	C4	PIGGYBACK BASE	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:11 2022 Page 1
ID:N2BvuzWnGFlfrlAmPE8V9mzhuQb-L8jNqo94hLQsu7PJlnH7b5ntmYNIEByw?ng_LvzciNQ

4-8-0	9-11-8	12-11-8	15-11-8	17-11-8	25-11-0	27-2-0
4-8-0	5-3-8	3-0-0	3-0-0	2-0-0	7-11-8	1-3-0

Scale: 1/4"=1'



4-8-0	17-11-8	25-11-0
4-8-0	13-3-8	7-11-8

Plate Offsets (X,Y)-- [5:0-4-2,0-2-0], [7:0-4-2,0-2-0]

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	0.61	Vert(LL)	-0.30	13-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.41	13-16	>761	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.21	11-13	>999	240	Weight: 236 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2
SLIDER	Left 2x6 SP No.1 -x 3-3-14, Right 2x6 SP No.1 -x 5-7-13

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-3-4 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD	Rigid ceiling directly applied or 8-9-4 oc bracing.
JOINTS	1 Brace at Jt(s): 17

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

REACTIONS. (lb/size) 1=1035/Mechanical, 11=1105/0-3-8 (min. 0-1-8)
Max Horz 1=-266(LC 10)
Max Uplift1=-25(LC 12), 11=-41(LC 13)
Max Grav 1=1244(LC 2), 11=1229(LC 2)

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

TOP CHORD	1-2=-1663/241, 2-18=-1492/245, 3-18=-1486/256, 3-4=-955/378, 4-5=-385/146, 7-8=-341/180, 8-9=-1325/327, 9-10=-1328/292, 10-19=-1328/286, 11-19=-1471/283
BOT CHORD	1-16=-21/918, 15-16=-20/919, 14-15=-23/919, 13-14=-20/876, 11-13=-20/918
WEBS	3-16=-53/744, 8-13=0/681, 4-17=-831/356, 8-17=-831/356

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 4-6-1, Interior(1) 4-6-1 to 10-0-10, Exterior(2) 10-0-10 to 22-1-1, Interior(1) 22-1-1 to 27-0-6 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 4x6 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 1 and 41 lb uplift at joint 11.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

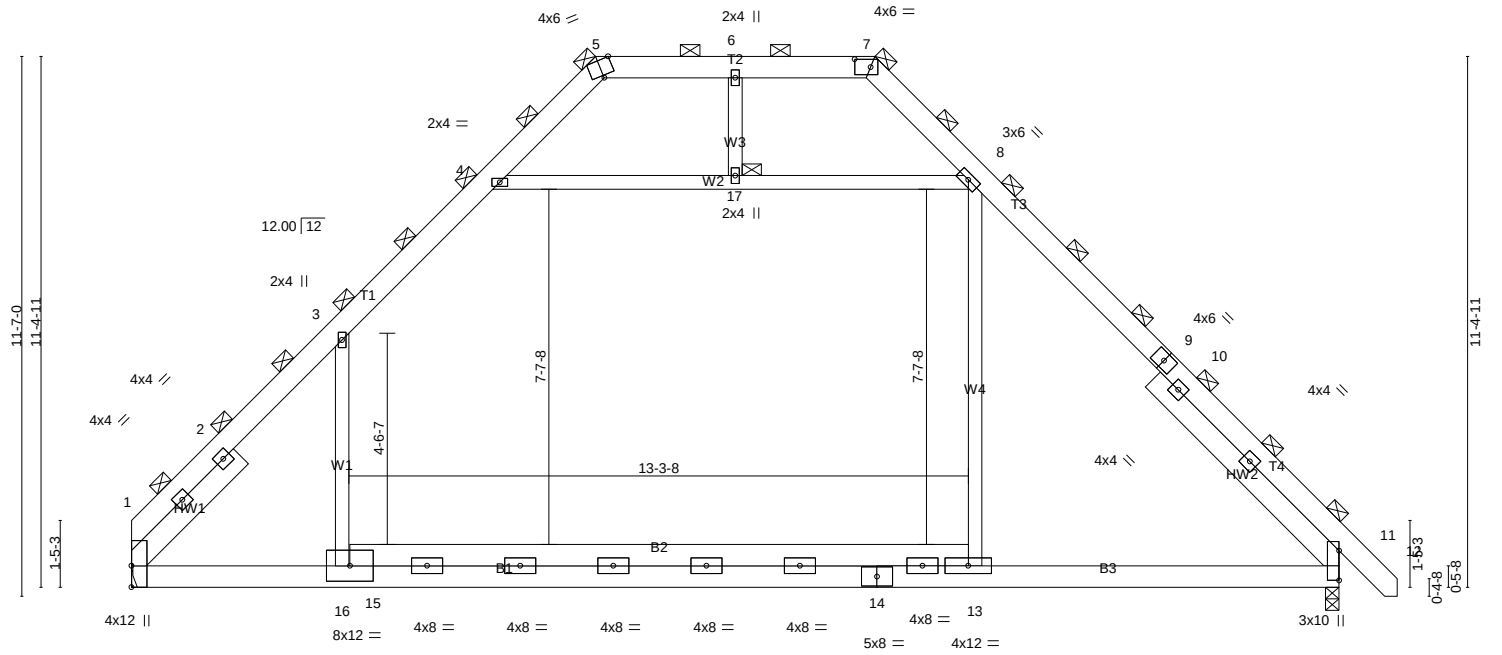
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	C4-GR	PIGGYBACK BASE	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:12 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-pLHl18AiSeYjWH_VJUpM7IKz3xlgze53ERQYuLzciNP

4-8-0	9-11-8	12-11-8	15-11-8	17-11-8	25-11-0	27-2-0
4-8-0	5-3-8	3-0-0	3-0-0	2-0-0	7-11-8	1-3-0

Scale = 1:49.4



4-8-0	17-11-8	25-11-0
4-8-0	13-3-8	7-11-8

Plate Offsets (X,Y)-- [5:0-3-0,Edge], [7:0-4-2,0-2-0]

LOADING (psf)		**SPACING-**	5-6-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	-0.35	13-16	>888	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.49	13-16	>638	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.25	11-13	>999	240	Weight: 472 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 3-3-14, Right 2x6 SP No.1 -x 5-7-13

BRACING-
TOP CHORD 2-0-0 oc purlins (5-6-2 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, 17

REACTIONS. (lb/size) 1=2847/Mechanical, 11=3038/0-3-8 (min. 0-1-8)
Max Horz 1=-731(LC 6)
Max Uplift1=-70(LC 8), 11=-113(LC 9)
Max Grav 1=3421(LC 2), 11=3381(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4568/174, 2-3=-4081/219, 3-4=-2621/399, 4-5=-1067/265, 5-6=-616/357, 6-7=-616/357, 7-8=-940/453, 8-9=-3632/325, 9-10=-3640/229, 10-11=-4035/212
BOT CHORD 1-16=-59/2516, 15-16=-56/2519, 14-15=-64/2520, 13-14=-56/2398, 11-13=-56/2516
WEBS 3-16=-173/2053, 8-13=0/1856, 4-17=-2281/550, 8-17=-2282/550

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); 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, with BCDL = 10.0psf.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint 1 and 113 lb uplift at joint 11.
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.

Continued on page 2

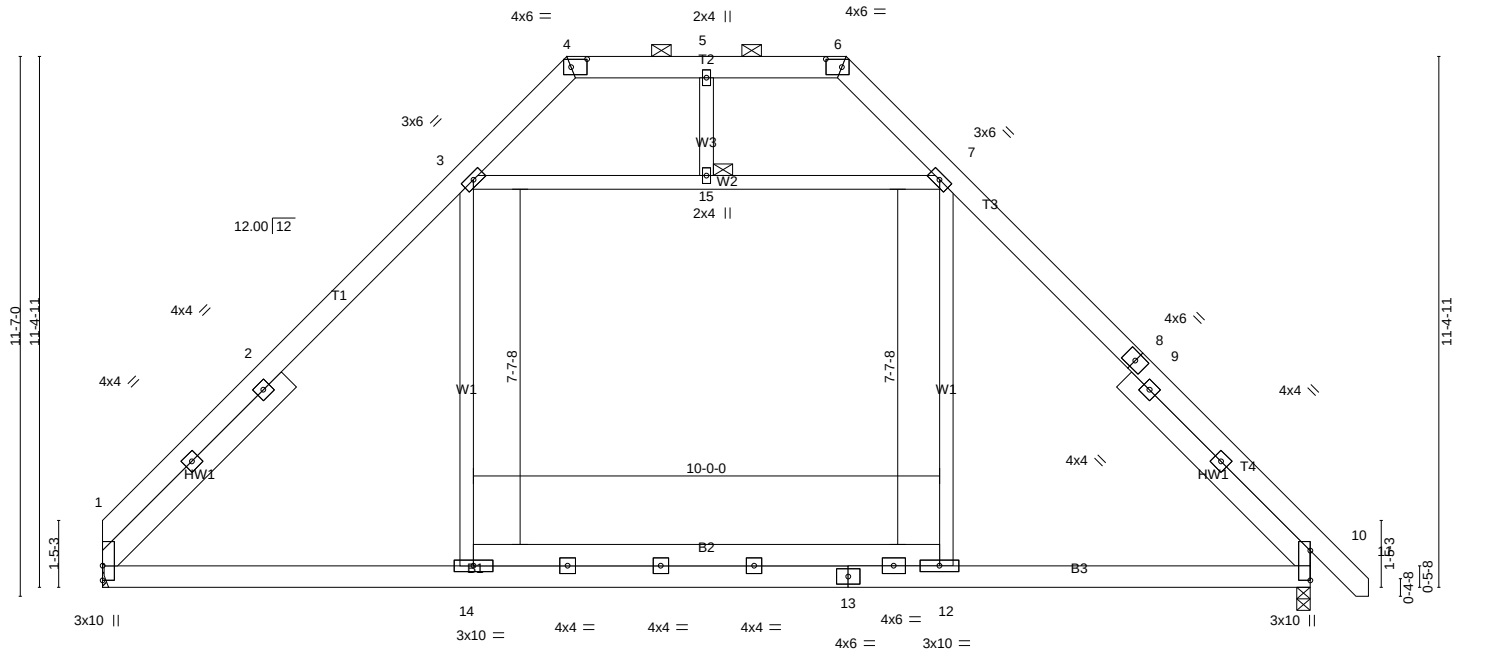
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	C5	PIGGYBACK BASE	9	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:13 2022 Page 1
ID:N2BvuzWnGFlfrlAmPE8V9mzhuQb-lXr7EUAKDyga8RZhtCKbgWtJuL9Fi6NDT595QnzciNO

7-11-8	9-11-8	12-11-8	15-11-8	17-11-8	25-11-0	27-2-0
7-11-8	2-0-0	3-0-0	3-0-0	2-0-0	7-11-8	1-3-0

Scale = 1:49.4



7-11-8	17-11-8	25-11-0
7-11-8	10-0-0	7-11-8

Plate Offsets (X,Y)-- [4:0-4-2,0-2-0], [6:0-4-2,0-2-0]

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	0.25	Vert(LL)	-0.16	1-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.17	1-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.21	1-14	>999	240	Weight: 239 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 5-7-13, Right 2x6 SP No.1 -x 5-7-13

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 15

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

REACTIONS. (lb/size) 1=1035/Mechanical, 10=1105/0-3-8 (min. 0-1-8)
Max Horz 1=-266(LC 8)
Max Uplift1=-25(LC 12), 10=-41(LC 13)
Max Grav 1=1137(LC 2), 10=1196(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1379/282, 2-16=-1264/291, 3-16=-1239/326, 3-4=-404/143, 6-7=-403/145, 7-8=-1266/328, 8-9=-1269/293, 9-17=-1269/287, 10-17=-1383/284
BOT CHORD 1-14=-29/884, 13-14=-32/885, 12-13=-26/852, 10-12=-28/884
WEBS 3-14=-14/544, 7-12=-16/550, 3-15=-758/374, 7-15=-758/374

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 10-0-10, Exterior(2) 10-0-10 to 22-1-1, Interior(1) 22-1-1 to 27-0-6 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, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 1 and 41 lb uplift at joint 10.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	C6	PIGGYBACK BASE	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:14 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-mjPVSqBy_GoRla8tQvrqDjPUulVYRYfMhlveyEzciNN

1-3-0	7-11-8	9-11-8	12-11-8	15-11-8	17-11-8	25-11-0	27-2-0
1-3-0	7-11-8	2-0-0	3-0-0	3-0-0	2-0-0	7-11-8	1-3-0

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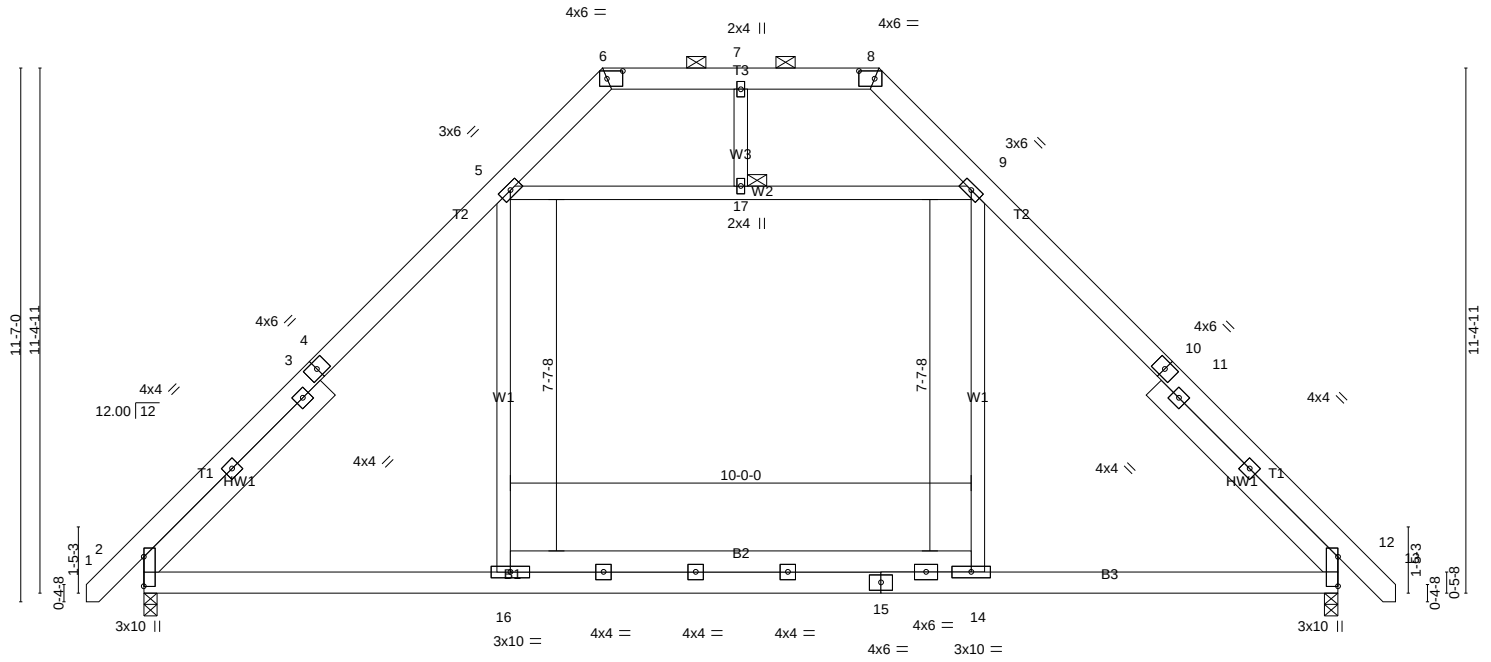


7-11-8	17-11-8	25-11-0
7-11-8	10-0-0	7-11-8

Plate Offsets (X,Y)-- [6:0-4-2,0-2-0], [8:0-4-2,0-2-0]

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	0.23	Vert(LL)	0.21	12-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.17	12-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 242 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x4 SP No.2
SLIDER	Left 2x6 SP No.1 -x 5-7-13, Right 2x6 SP No.1 -x 5-7-13

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 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.
JOINTS	1 Brace at Jt(s): 17

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

REACTIONS. (lb/size) 2=1103/0-3-8 (min. 0-1-8), 12=1103/0-3-8 (min. 0-1-8)
Max Horz 2=-268(LC 10)
Max Uplift2=-41(LC 12), 12=-41(LC 13)
Max Grav 2=1194(LC 2), 12=1194(LC 2)

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

TOP CHORD	2-18=-1378/282, 3-18=-1264/285, 3-4=-1264/291, 4-5=-1261/326, 5-6=-405/146, 6-7=-250/85, 7-8=-250/85, 8-9=-404/146, 9-10=-1263/326, 10-11=-1265/291, 11-19=-1266/285, 12-19=-1409/282
BOT CHORD	2-16=-28/882, 15-16=-32/883, 14-15=-26/850, 12-14=-28/881
WEBS	5-16=-15/545, 9-14=-16/547, 5-17=-754/361, 9-17=-754/361

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) -1-1-6 to 3-3-7, Interior(1) 3-3-7 to 10-0-10, Exterior(2) 10-0-10 to 22-1-1, Interior(1) 22-1-1 to 27-0-6 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 2 and 41 lb uplift at joint 12.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

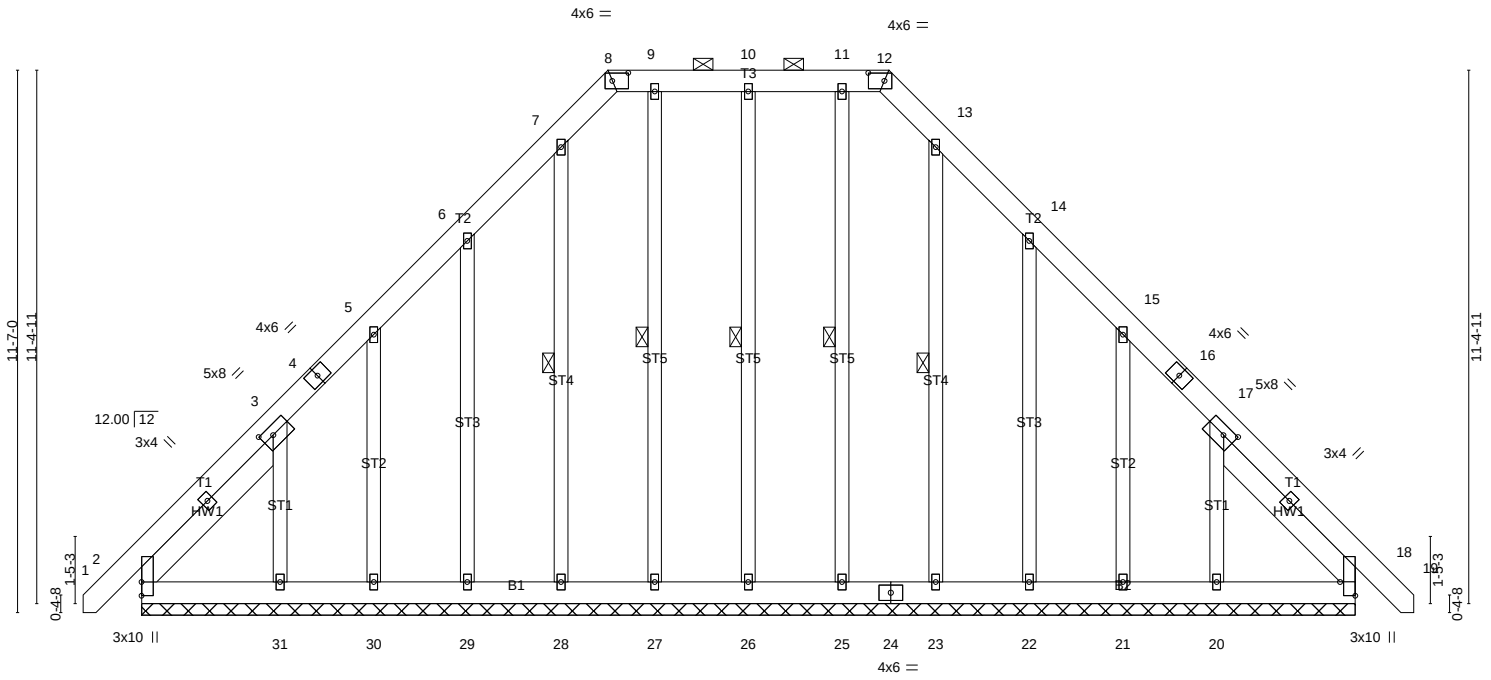
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	C6GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:14 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-mjPVSqBy_GoRla8tQvrqDjPXdlbnRXAMhlveyEzciNN

1-3-0	7-11-8	9-11-8	12-11-8	15-11-8	17-11-8	25-11-0	27-2-0
1-3-0	7-11-8	2-0-0	3-0-0	3-0-0	2-0-0	7-11-8	1-3-0

Scale = 1:49.2



7-11-8	17-11-8	25-11-0
7-11-8	10-0-0	7-11-8

Plate Offsets (X,Y)-- [3:0-3-0,0-2-4], [8:0-4-2,0-2-0], [12:0-4-2,0-2-0], [17:0-3-0,0-2-4], [18:Edge,0-3-14]

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	0.06	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	0.20	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 293 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 4-2-8, Right 2x6 SP No.1 -x 4-2-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
2-0-0 oc purlins (6-0-0 max.): 8-12.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 10-26, 9-27, 7-28, 11-25, 13-23

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

REACTIONS. All bearings 25-11-0.
(lb) - Max Horz 2=268(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 18, 26, 27, 28, 29, 30, 22, 21 except 31=-171(LC 12), 20=-164(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 18, 26, 27, 28, 29, 30, 25, 23, 22, 21 except 2=295(LC 20), 31=267(LC 19), 20=255(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-297/245, 17-18=-282/237
BOT CHORD 2-31=-200/264, 30-31=-201/265, 29-30=-202/266, 28-29=-202/266, 27-28=-202/266, 26-27=-202/266, 25-26=-202/266, 24-25=-202/266, 23-24=-202/266, 22-23=-202/266, 21-22=-202/266, 20-21=-201/265, 18-20=-200/264
WEBS 3-31=-297/255, 17-20=-298/255

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 Corner(3) -1-1-6 to 3-3-7, Exterior(2) 3-3-7 to 10-0-10, Corner(3) 10-0-10 to 14-5-7, Exterior(2) 14-5-7 to 15-10-6, Corner(3) 15-10-6 to 20-3-3, Exterior(2) 20-3-3 to 27-0-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
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

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	C6GE	GABLE	1	1	Job Reference (optional)

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 18, 26, 27, 28, 29, 30, 22, 21 except (jt=lb) 31=171, 20=164.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	D1	COMMON	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:15 2022 Page 1
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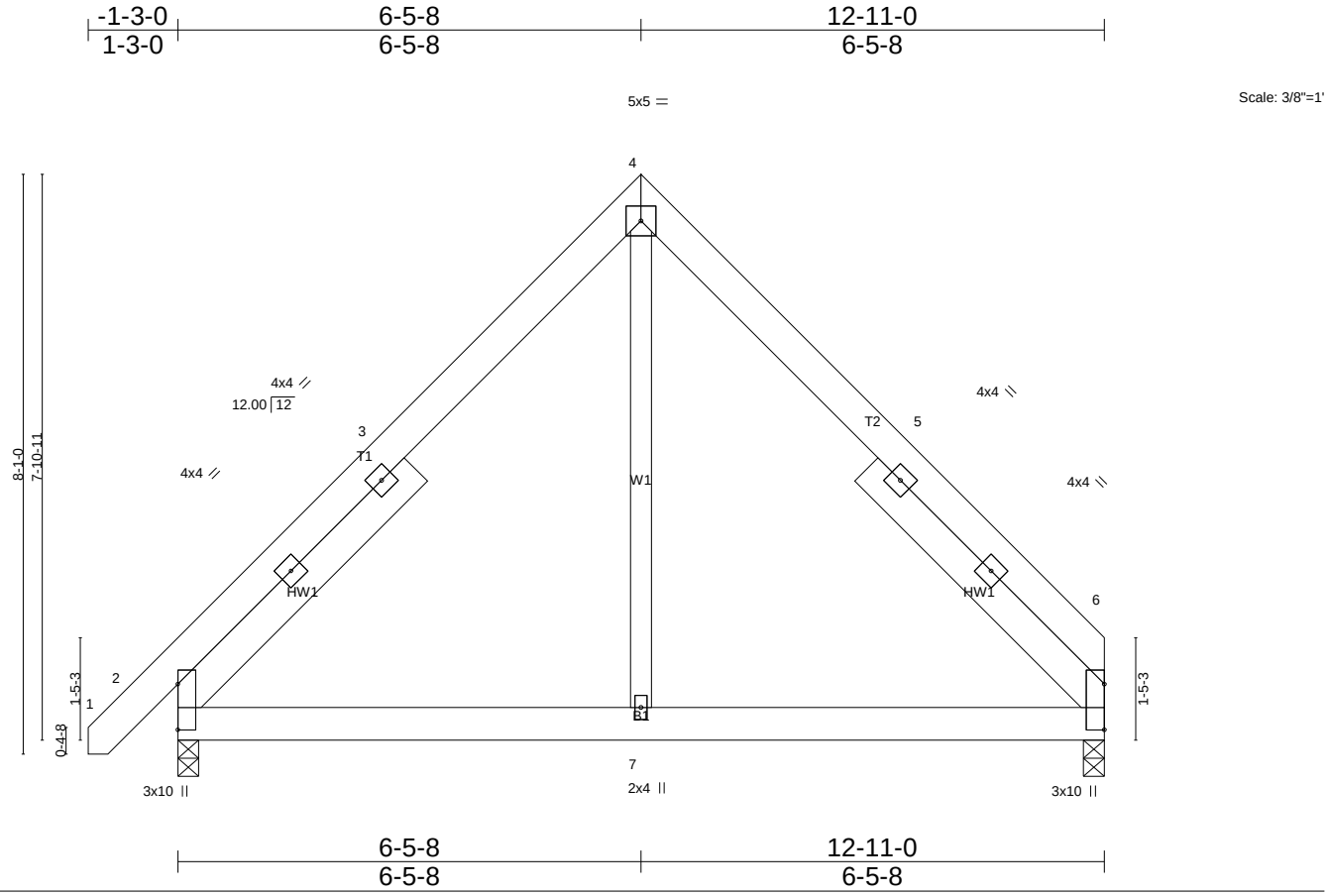


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.01	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.01	2-7	>999	240	Weight: 111 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 4-8-5, Right 2x6 SP No.1 -x 4-8-5

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. (lb/size) 6=514/0-3-8 (min. 0-1-8), 2=586/0-3-8 (min. 0-1-8)
Max Horz 2=180(LC 9)
Max Uplift6=-22(LC 12), 2=-27(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-532/127, 3-8=-432/133, 3-4=-407/167, 4-9=-391/167, 5-9=-407/137, 5-10=-429/133, 6-10=-499/127
BOT CHORD 2-7=-9/289, 6-7=-9/289
WEBS 4-7=0/297

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) -1-1-6 to 3-3-7, Interior(1) 3-3-7 to 6-5-8, Exterior(2) 6-5-8 to 10-10-5, Interior(1) 10-10-5 to 12-11-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 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.

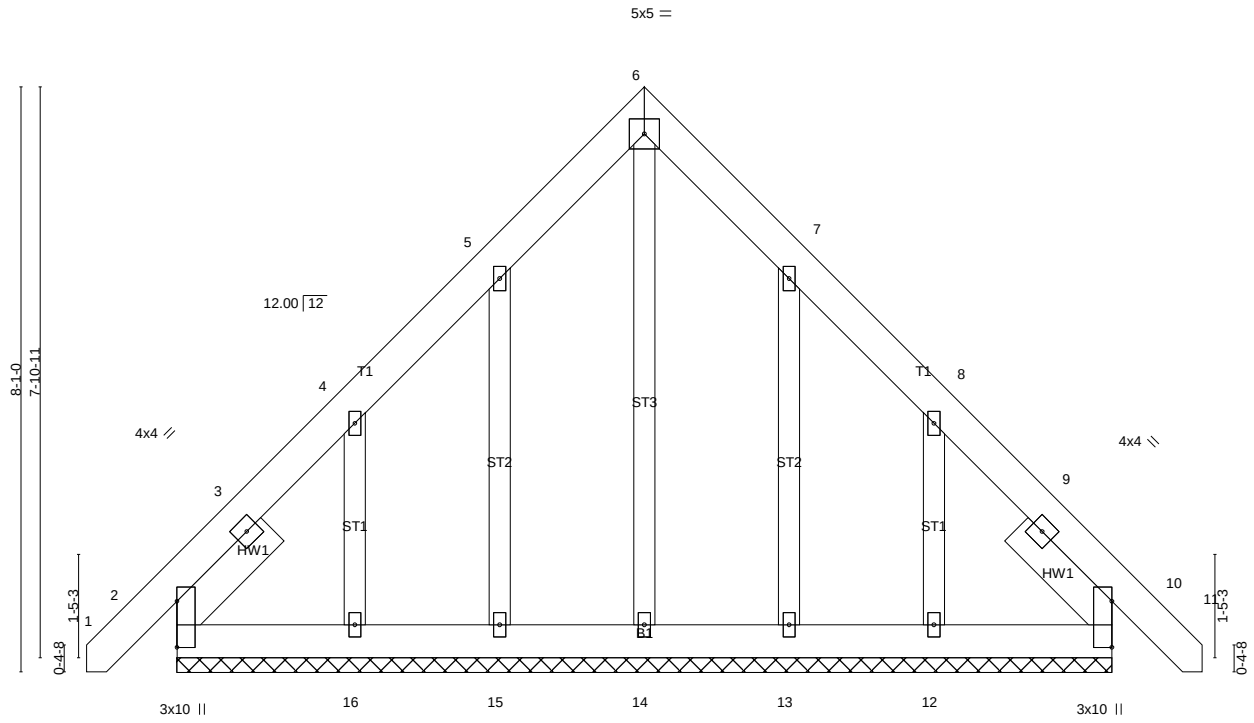
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	D1GE	COMMON SUPPORTED GAB	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:16 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-i6WGtVDDWt29?uIGYKtII8VtDZGCvSLf93Ol16zciNL

-1-3-0 | 6-5-8 | 12-11-0 | 14-2-0
1-3-0 | 6-5-8 | 6-5-8 | 1-3-0

Scale: 3/8"=1'



12-11-0
12-11-0

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	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	-0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 125 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 1-10-6, Right 2x6 SP No.1 -x 1-10-6

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 12-11-0.
(lb) - Max Horz 2=-227(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 13 except 16=-266(LC 12), 12=-259(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 10, 14, 15, 13, 12 except 2=258(LC 20), 16=253(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-16=-273/265, 8-12=-274/259

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=266, 12=259.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 10.
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	Bauer Residence
J0222-0946	D1-GR	COMMON GIRDER	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:17 2022 Page 1
ID:N2BvuzWnGFlfrlAmPE8V9mzhuQb-AI4e4rErHBA0c2tS62OXqM1xQyS3ep7pOj7JZZzciNK

-1-3-0 | 6-5-8 | 12-11-0
1-3-0 | 6-5-8 | 6-5-8

Scale: 3/8"=1'

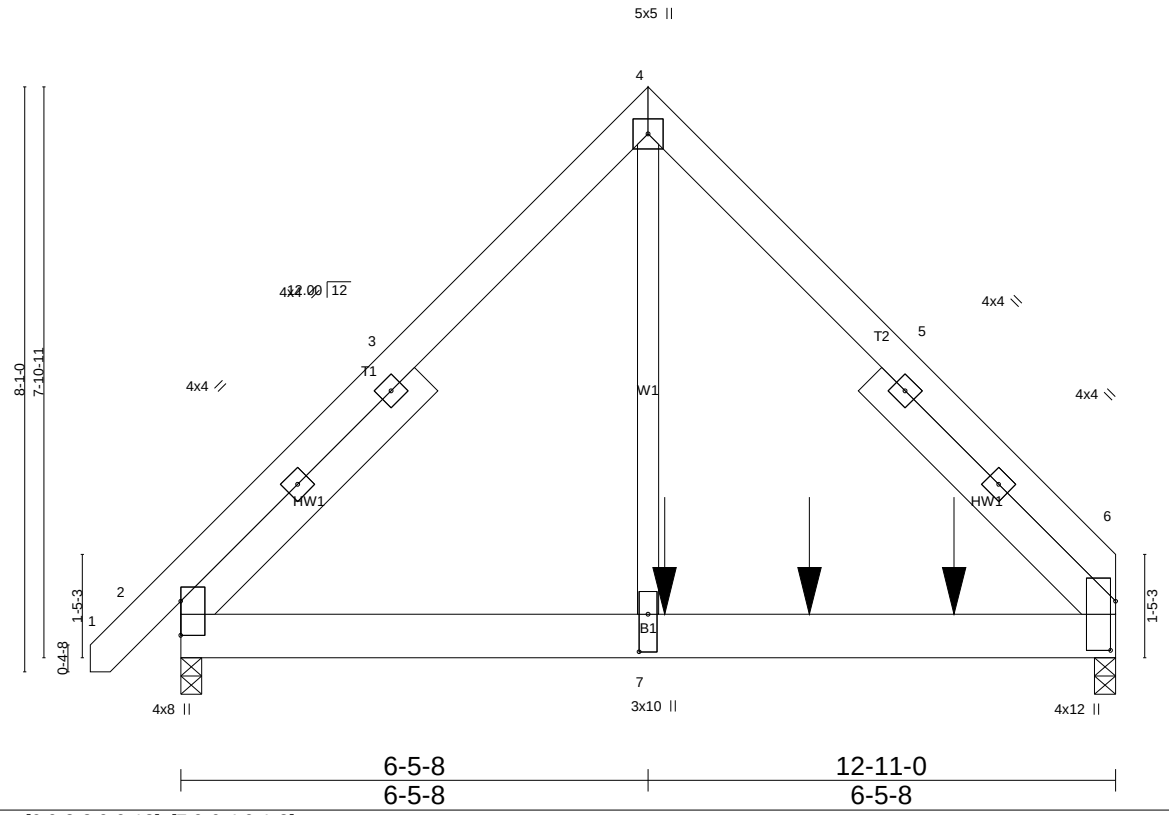


Plate Offsets (X,Y)-- [6:0-8-2,0-0-13], [7:0-6-4,0-1-8]

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	0.40	Vert(LL)	-0.06	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.12	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.05	6-7	>999	240	Weight: 240 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x8 SP No.1
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 4-8-5, Right 2x6 SP No.1 -x 4-8-5

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. (lb/size) 6=4015/0-3-8 (min. 0-2-6), 2=2812/0-3-8 (min. 0-1-11)
Max Horz 2=179(LC 24)
Max Uplift6=-848(LC 8), 2=-802(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3623/1054, 3-4=-3479/1084, 4-5=-3390/1081, 5-6=-3525/1051
BOT CHORD 2-7=-671/2316, 7-8=-671/2316, 8-9=-671/2316, 6-9=-671/2316
WEBS 4-7=-1429/4675

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-3-0 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=848, 2=802.
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) 3175 lb down and 1502 lb up at 6-8-4, and 1329 lb down and 62 lb up at 8-8-4, and 1329 lb down and 62 lb up at 10-8-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2
LOAD CASE(S) Standard

LOAD CASE(S) Standard

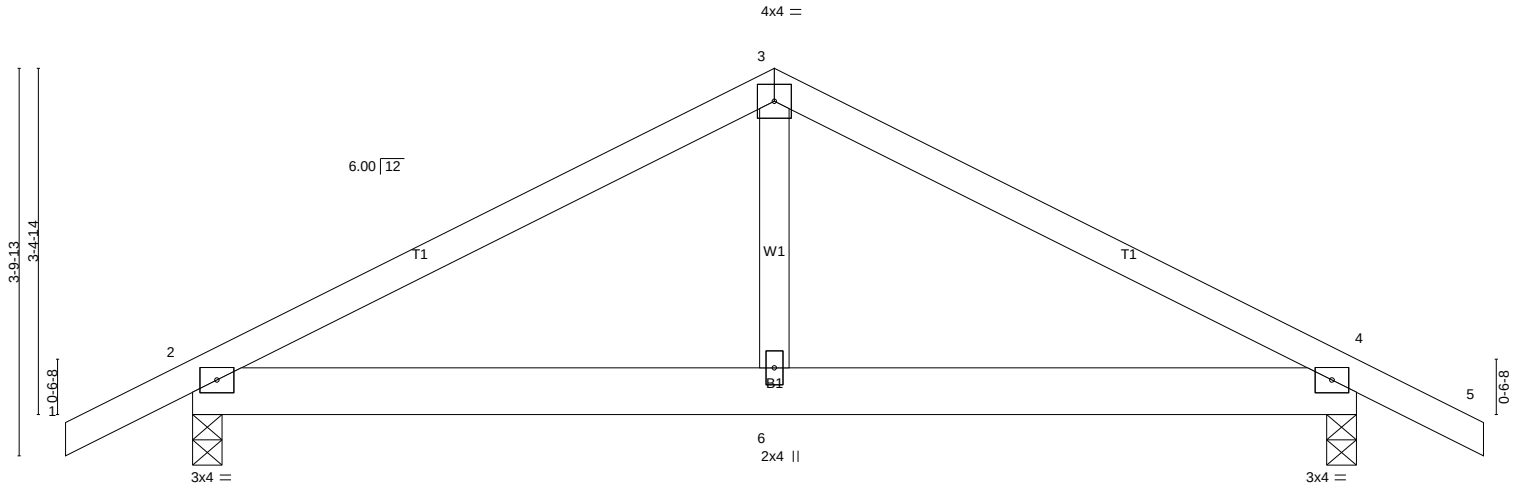
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-4=-60, 4-6=-60, 2-6=-20
   Concentrated Loads (lb)
      Vert: 7=-3175(B) 8=-1276(B) 9=-1276(B)

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	H1	COMMON	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:17 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-AI4e4rErHBA0c2tS62OXqM1zeyavex5pOj7JZZzciNK

-1-3-0	5-8-12	11-5-8	12-8-8
1-3-0	5-8-12	5-8-12	1-3-0

Scale = 1:22.7



5-8-12	11-5-8
5-8-12	5-8-12

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	0.26	Vert(LL)	-0.01	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.01	4-6	>999	240	Weight: 54 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 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.
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. (lb/size) 2=530/0-3-8 (min. 0-1-8), 4=530/0-3-8 (min. 0-1-8)
Max Horz 2=45(LC 11)
Max Uplift2=-47(LC 12), 4=-47(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-601/172, 7-8=-517/184, 3-8=-516/201, 3-9=-516/201, 9-10=-517/184, 4-10=-601/172
BOT CHORD 2-6=-46/455, 4-6=-46/455
WEBS 3-6=0/279

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) -1-3-0 to 3-1-13, Interior(1) 3-1-13 to 5-8-12, Exterior(2) 5-8-12 to 10-1-9, Interior(1) 10-1-9 to 12-8-8 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, 4.
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.

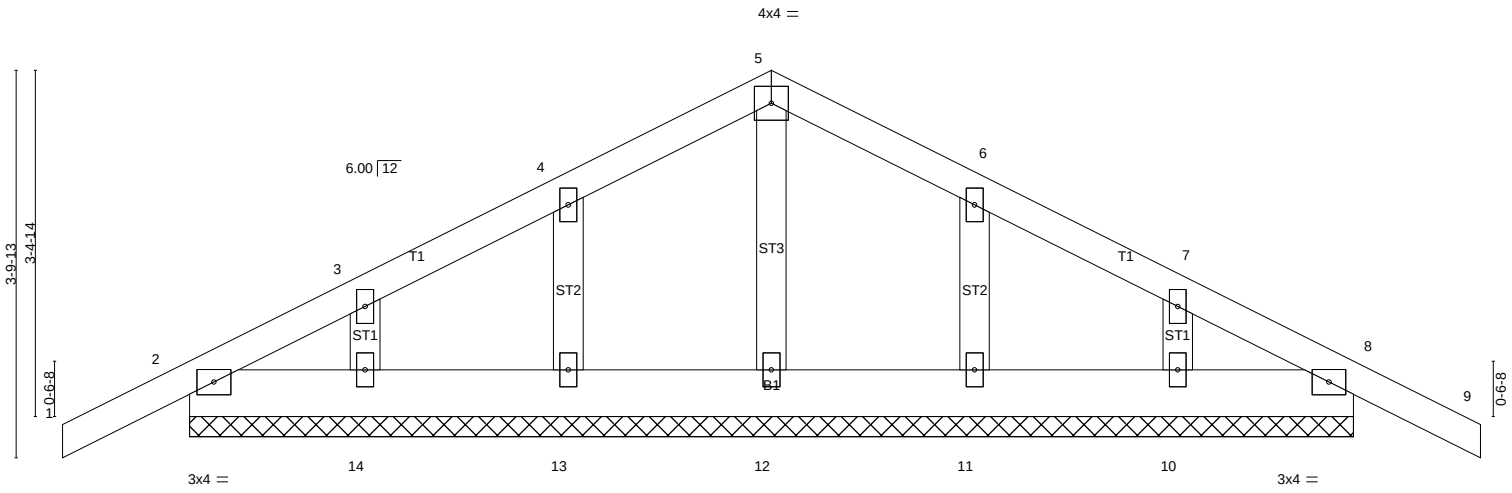
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	H1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:18 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-eVe0lBET1UIsECSfflvmNZaBJMytNOzycNts5?zciNJ

-1-3-0	5-8-12	11-5-8	12-8-8
1-3-0	5-8-12	5-8-12	1-3-0

Scale = 1:22.7



11-5-8
11-5-8

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	0.08	Vert(LL)	-0.00	9	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 61 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 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 11-5-8.
(lb) - Max Horz 2=71(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 14, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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, 8, 13, 14, 11, 10.
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.

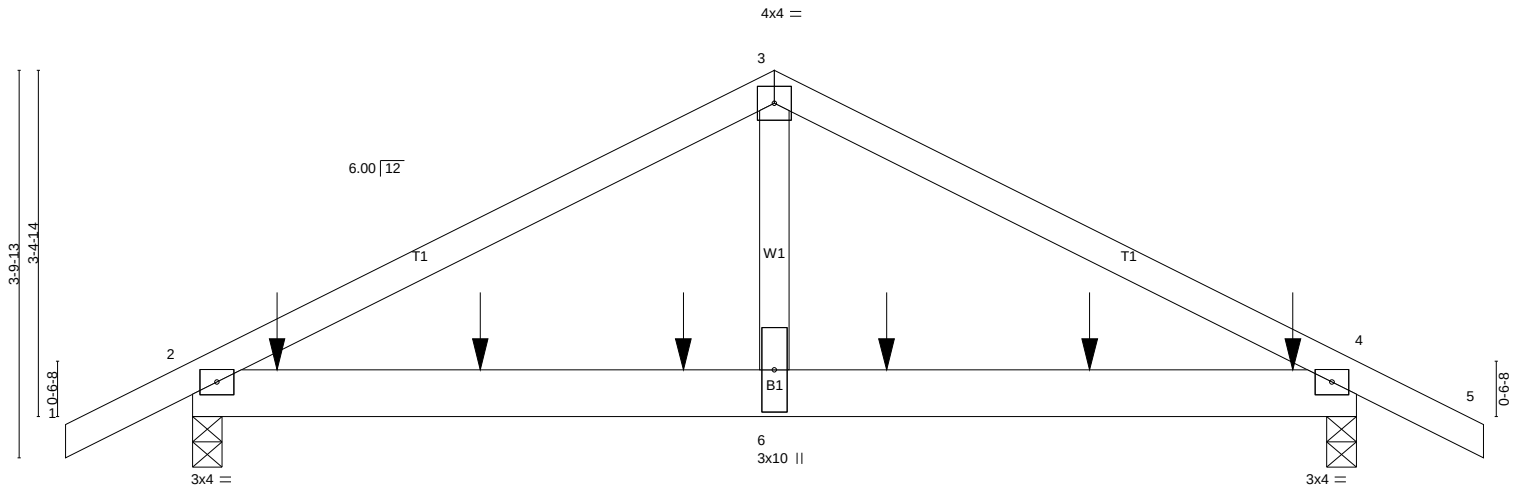
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	H1-GR	Common Girder	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:19 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-6hCOVXF5ooQjsM0rDSR?wn6KSmBk6o35r1cPdRzciNI

-1-3-0	5-8-12	11-5-8	12-8-8
1-3-0	5-8-12	5-8-12	1-3-0

Scale = 1:22.7



5-8-12	11-5-8
5-8-12	5-8-12

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	0.24	Vert(LL)	-0.03	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.06	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	-0.00	2-6	>999	240	Weight: 109 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 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.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=1996/0-3-8 (min. 0-1-8), 4=2054/0-3-8 (min. 0-1-8)
Max Horz 2=-45(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2358/0, 3-4=-2374/0
BOT CHORD 2-7=0/2024, 7-8=0/2024, 8-9=0/2024, 6-9=0/2024, 6-10=0/2024, 10-11=0/2024, 11-12=0/2024, 4-12=0/2024
WEBS 3-6=0/1826

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.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-8-0 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) 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) 500 lb down at 0-10-0, 497 lb down at 2-10-0, 497 lb down at 4-10-0, 497 lb down at 6-10-0, and 497 lb down at 8-10-0, and 502 lb down at 10-10-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2

LOAD CASE(S) Standard

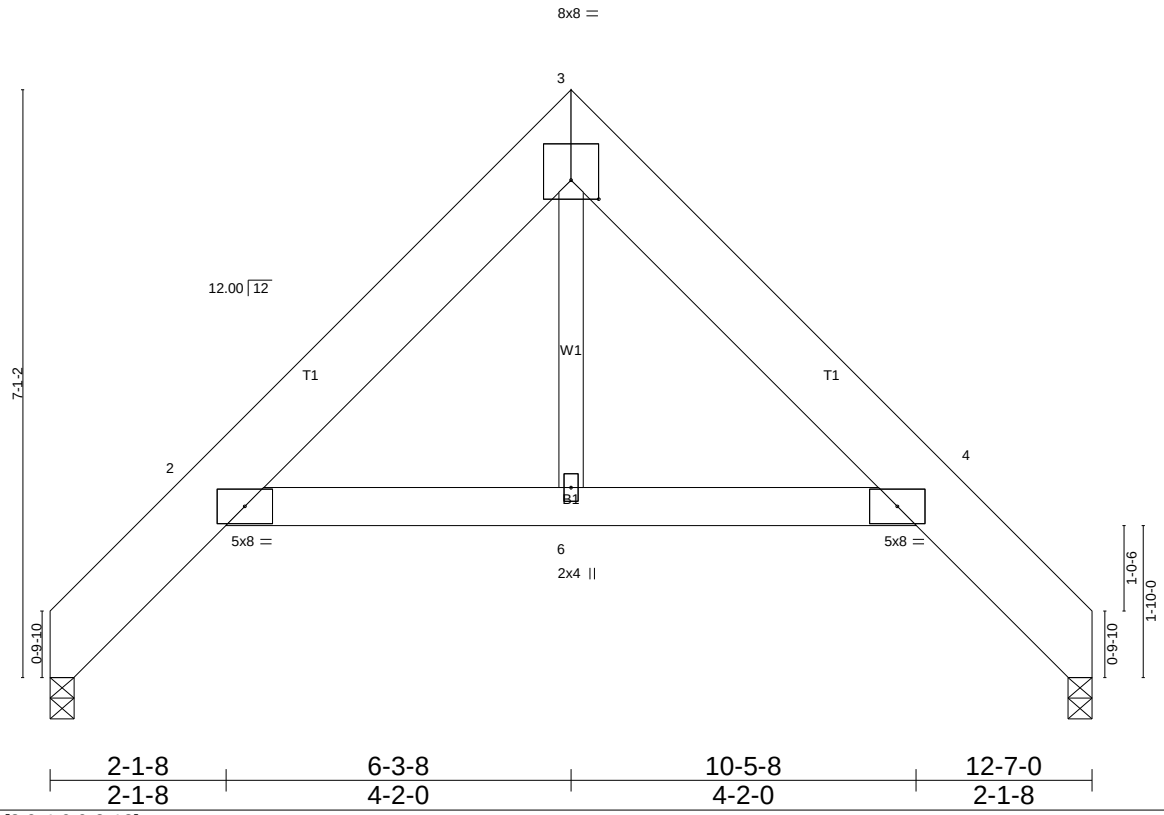
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-3=-60, 3-5=-60, 2-4=-20
   Concentrated Loads (lb)
      Vert: 7=-500(B) 8=-497(B) 9=-497(B) 10=-497(B) 11=-497(B) 12=-502(B)

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	K1	ROOF SPECIAL	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:19 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-6hCOVXF5ooQjsM0rDSR?wn6JDmGG6ri5r1cPdRzciNI

2-1-8	6-3-8	10-5-8	12-7-0
2-1-8	4-2-0	4-2-0	2-1-8

Scale = 1:27.8



2-1-8	6-3-8	10-5-8	12-7-0
2-1-8	4-2-0	4-2-0	2-1-8

Plate Offsets (X,Y)-- [3:0-4-0,0-2-12]

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	0.26	Vert(LL)	-0.03	4-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.14	Vert(CT)	-0.06	4-6	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.06	Horz(CT)	0.08	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S		Wind(LL)	0.02	2-6	>999	240	Weight: 99 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 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.
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. (lb/size) 1=504/0-3-8 (min. 0-1-8), 5=504/0-3-8 (min. 0-1-8)
Max Horz 1=-147(LC 8)
Max Uplift1=-9(LC 13), 5=-9(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-367/128, 2-7=-534/122, 3-7=-433/146, 3-8=-445/147, 4-8=-534/122, 4-5=-314/127
BOT CHORD 2-6=0/450, 4-6=0/450

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) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 6-3-8, Exterior(2) 6-3-8 to 10-5-8, Interior(1) 10-5-8 to 12-5-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5.
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	Bauer Residence
J0222-0946	K1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:20 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-atmmitGjZ6ZaTWb1nAyES_fYAAeQrlPF4hMzAuzciNH

6-3-8 | 12-7-0
6-3-8 | 6-3-8

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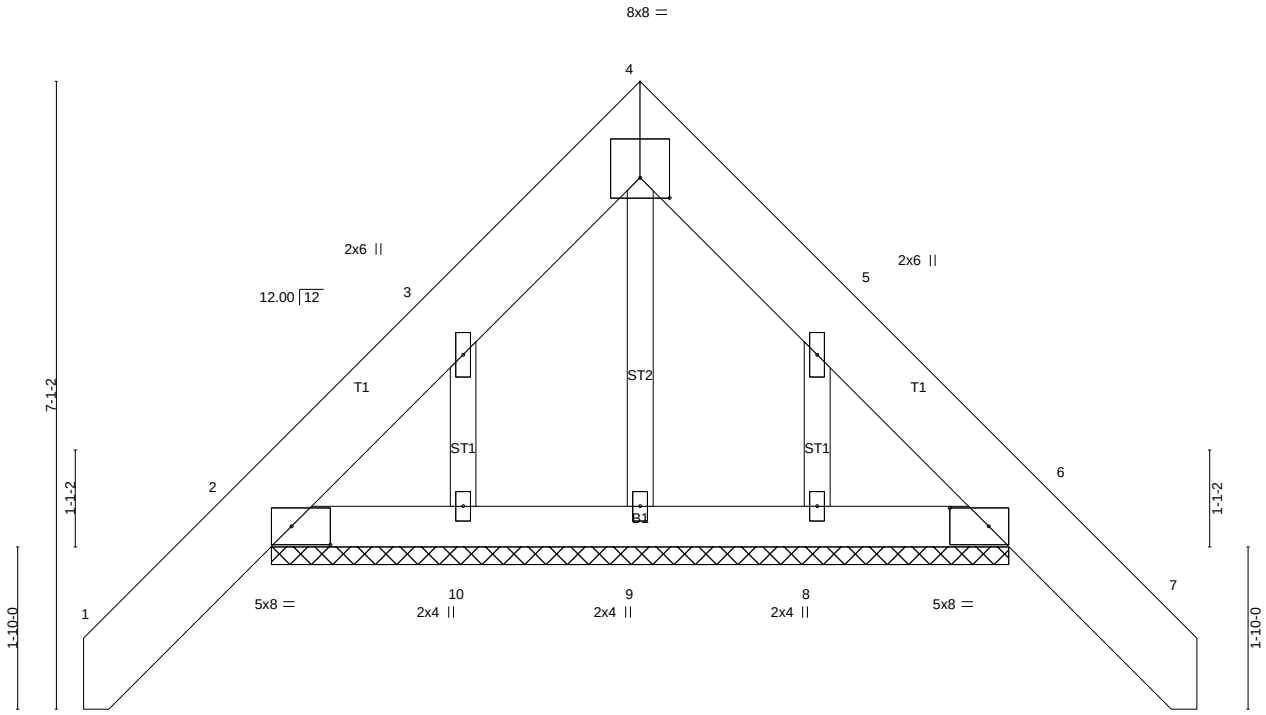


2-1-8 | 6-3-8 | 10-5-8 | 12-7-0
2-1-8 | 4-2-0 | 4-2-0 | 2-1-8

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

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	0.05	Vert(LL)	-0.00	7	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	7	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: 105 lb	FT = 20%

LUMBER-
TOP CHORD 2x10 SP No.1
BOT CHORD 2x6 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 8-4-0.
(lb) - Max Horz 2=-184(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 9, 10, 8 except 2=294(LC 1), 6=294(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-10=-256/122, 5-8=-261/120

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, 10, 8.
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.

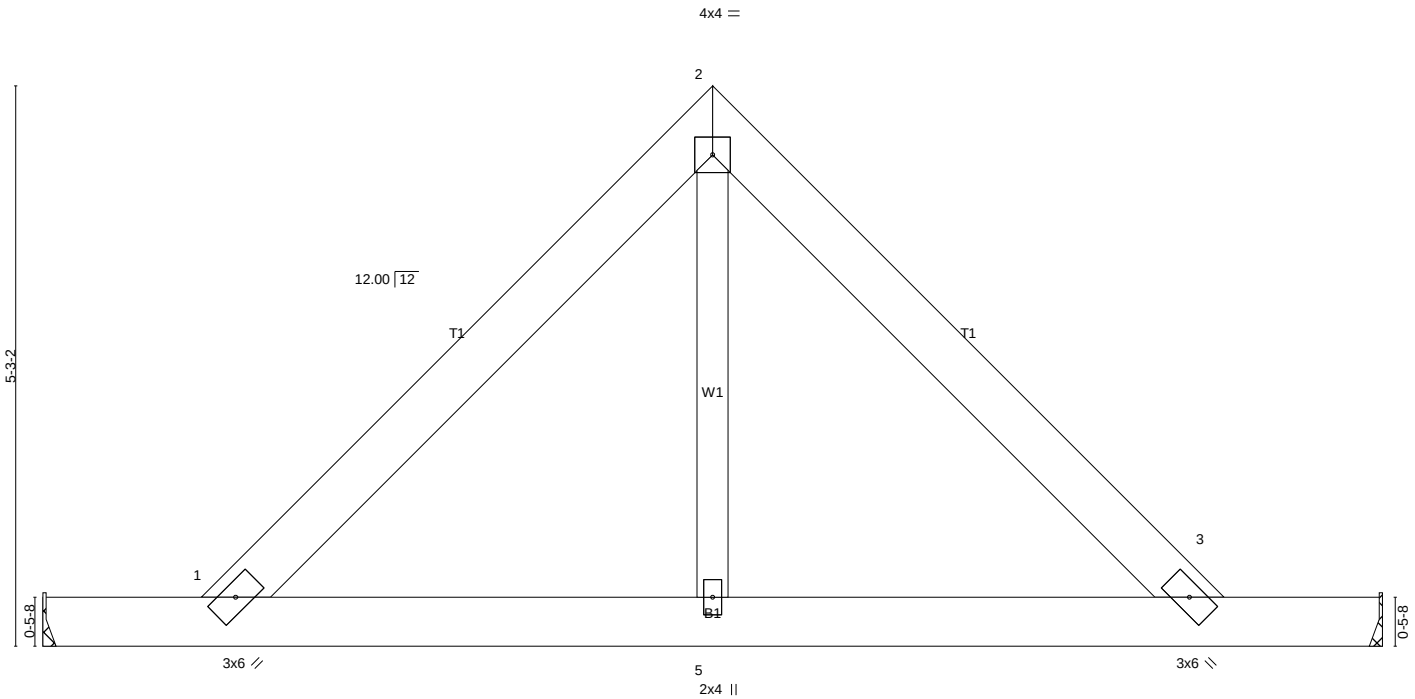
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	K2	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:20 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-atmmitGjZ6ZaTWb1nAyES_fWRAX6rH5F4hMzAuzciNH

1-5-14	6-3-8	11-1-2	12-7-0
1-5-14	4-9-10	4-9-10	1-5-14

Scale = 1:21.6



1-5-14	6-3-8	11-1-2	12-7-0
1-5-14	4-9-10	4-9-10	1-5-14

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	0.16	Vert(LL)	-0.06	3-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.49	Vert(CT)	-0.12	3-5	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.11	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S		Wind(LL)	0.04	3-5	>999	240	Weight: 67 lb	FT = 20%

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.
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. (lb/size) 6=498/Mechanical, 4=498/Mechanical
Max Horz 6=113(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-643/135, 7-8=-636/172, 2-8=-512/175, 2-9=-512/175, 9-10=-636/172, 3-10=-643/135
BOT CHORD 1-5=-8/420, 3-5=-8/420
WEBS 2-5=-43/450

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) 1-7-0 to 5-11-13, Interior(1) 5-11-13 to 6-3-8, Exterior(2) 6-3-8 to 10-8-5, Interior(1) 10-8-5 to 11-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
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.

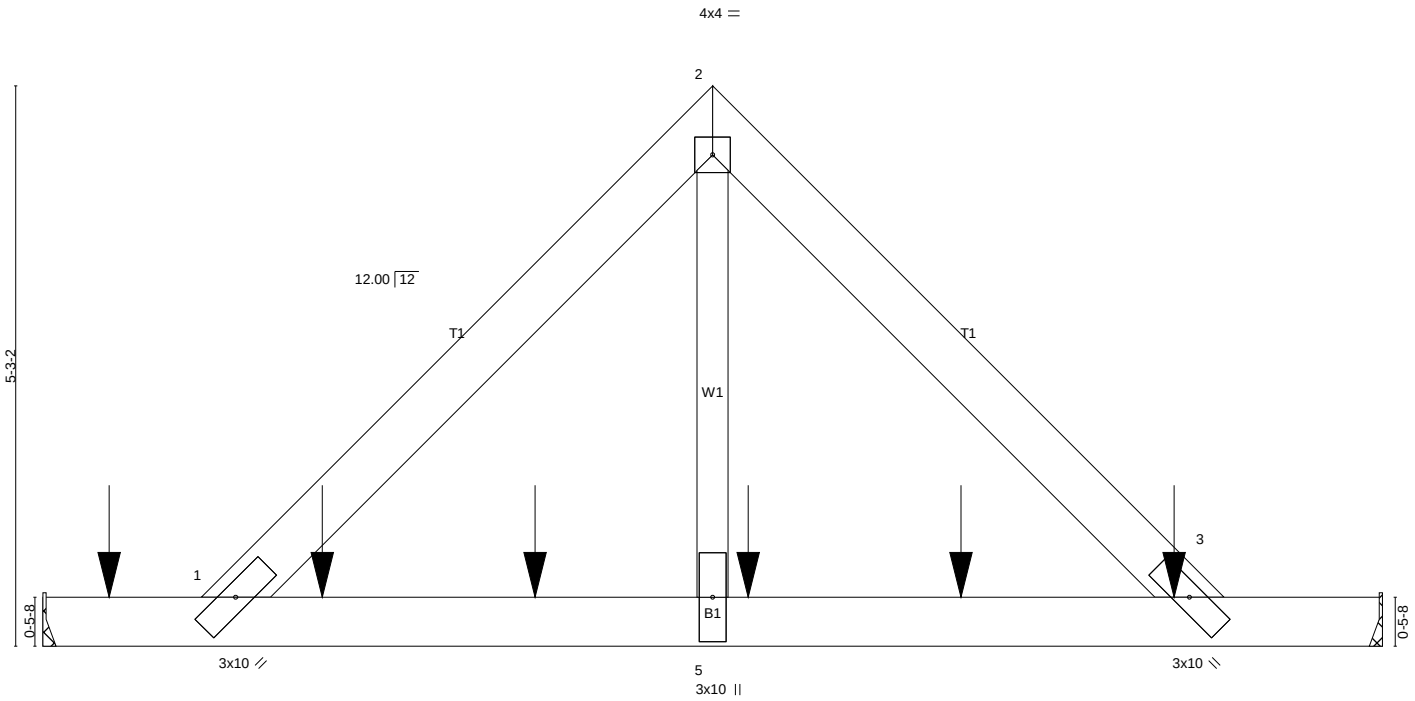
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	K2-GR	Roof Special Girder	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:21 2022 Page 1
ID:N2BvuzWnGFlfrlAmPE8V9mzhuQb-34K8wDHMKPhR5fAELtTT?CCeVamIahTOlK5WiKzciNG

1-5-14	6-3-8	11-1-2	12-7-0
1-5-14	4-9-10	4-9-10	1-5-14

Scale = 1:21.6



1-5-14	6-3-8	11-1-2	12-7-0
1-5-14	4-9-10	4-9-10	1-5-14

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	0.33	Vert(LL)	-0.12	1-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.94	Vert(CT)	-0.22	1-5	>667	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.29	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.08	1-5	>999	240	Weight: 135 lb	FT = 20%

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

REACTIONS. (lb/size) 6=1891/Mechanical, 4=1622/Mechanical
Max Horz 6=-113(LC 4)
Max Uplift6=-113(LC 8), 4=-98(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2140/209, 2-3=-2142/209
BOT CHORD 1-8=-95/1545, 8-9=-95/1545, 5-9=-95/1545, 5-10=-95/1545, 10-11=-95/1545, 11-12=-95/1545, 3-12=-95/1545
WEBS 2-5=-157/2401

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); 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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 6=113.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 445 lb down and 41 lb up at 0-7-8, 421 lb down and 60 lb up at 2-7-8, 421 lb down and 60 lb up at 4-7-8, 421 lb down and 60 lb up at 6-7-8, and 421 lb down and 60 lb up at 8-7-8, and 428 lb down and 56 lb up at 10-7-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-2=-60, 2-3=-60, 1-6=-80, 1-3=-20, 3-4=-80
   Concentrated Loads (lb)
      Vert: 7=-415(B) 8=-421(B) 9=-421(B) 10=-421(B) 11=-421(B) 12=-415(B)

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	M1	Monopitch	18	1	Job Reference (optional)

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

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:22 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-XGtX7ZH_5jpljplQub_iXPko7zIcJCJYX_r4EmzciNF

-1-3-0 6-3-8
1-3-0 6-3-8

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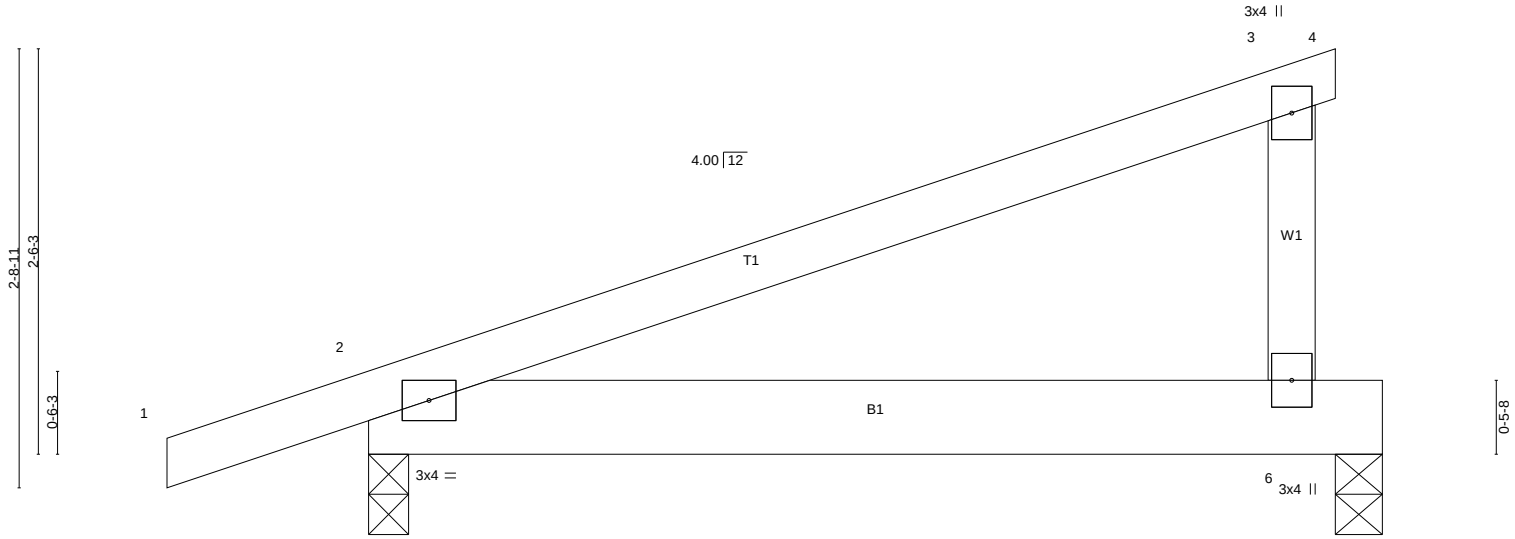


6-3-8
6-3-8

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	0.41	Vert(LL)	-0.02	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.04	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P		Wind(LL)	0.05	2-6	>999	240	Weight: 29 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 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.

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

REACTIONS. (lb/size) 2=332/0-3-0 (min. 0-1-8), 5=212/0-3-8 (min. 0-1-8)
Max Horz 2=83(LC 8)
Max Uplift2=-136(LC 8), 5=-94(LC 8)

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

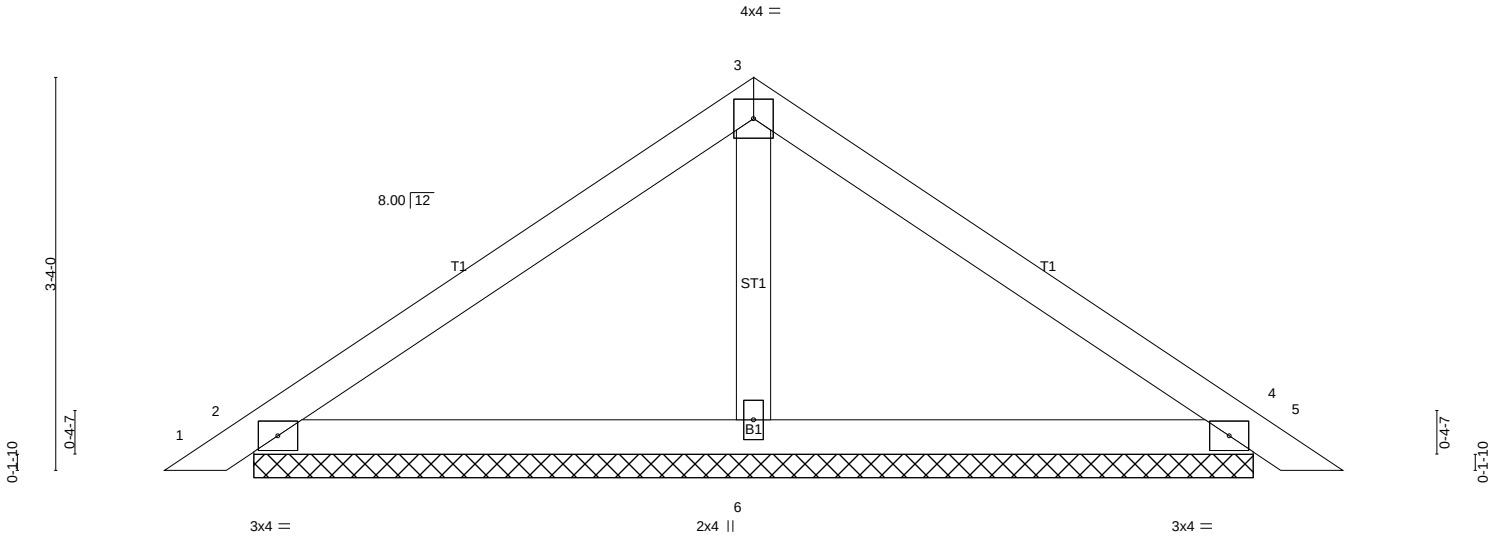
NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-3-0 to 3-1-13, Interior(1) 3-1-13 to 6-0-0 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=136.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	PB1	PIGGYBACK	15	1	Job Reference (optional)

5-0-0 | 10-0-0
5-0-0 | 5-0-0

Scale = 1:19.6



10-0-0
10-0-0

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	0.25	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	0.02	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: 34 lb	FT = 20%

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. (lb/size) 2=216/8-5-12 (min. 0-1-8), 4=216/8-5-12 (min. 0-1-8), 6=306/8-5-12 (min. 0-1-8)
Max Horz 2=76(LC 11)
Max Uplift2=-37(LC 12), 4=-45(LC 13)

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) 0-3-2 to 4-7-15, Interior(1) 4-7-15 to 5-0-0, Exterior(2) 5-0-0 to 9-2-14, Interior(1) 9-2-14 to 9-8-14 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	Bauer Residence
J0222-0946	PB1GE	GABLE	2	1	Job Reference (optional)

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

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:23 2022 Page 1
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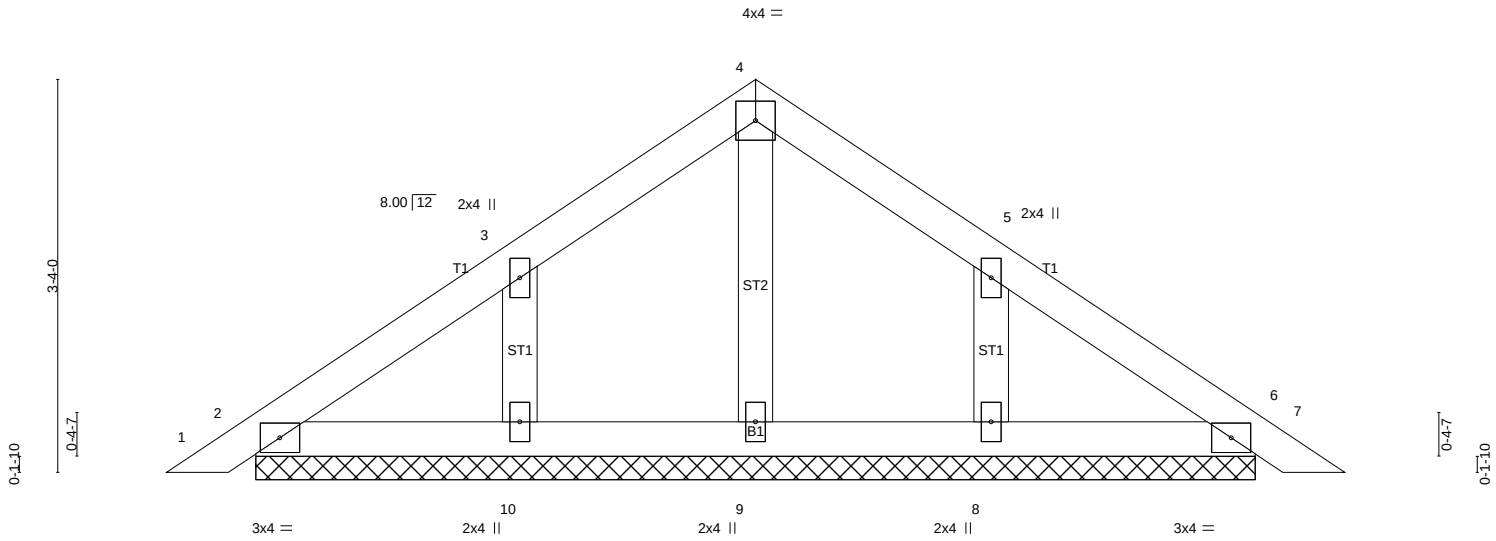
5-0-0 | 10-0-0
5-0-0 | 5-0-0

Scale = 1:19.6



10-0-0
10-0-0

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	6	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	7	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: 38 lb	FT = 20%

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 8-5-12.
(lb) - Max Horz 2=95(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 10=-115(LC 12), 8=-115(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=115, 8=115.
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.

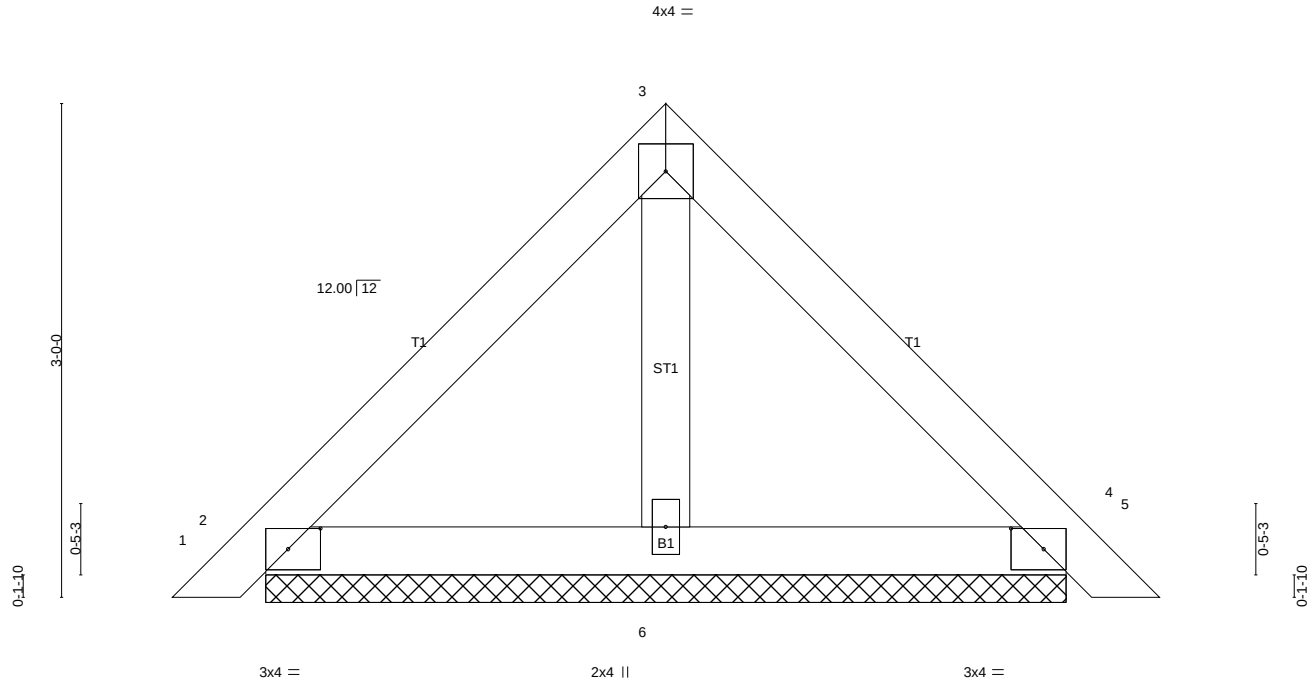
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	PB2	Piggyback	26	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:24 2022 Page 1
ID:N2BvuzWnGFlfrlAmPE8V9mzhuQb-Te?HYFJEdK30y7vo000AdqqDPn?zn6dq?lKAJfzciND

3-0-0 | 6-0-0
3-0-0 | 3-0-0

Scale = 1:14.0



6-0-0
6-0-0

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

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	0.10	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 23 lb	FT = 20%

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. (lb/size) 2=142/4-10-6 (min. 0-1-8), 4=142/4-10-6 (min. 0-1-8), 6=149/4-10-6 (min. 0-1-8)
Max Horz 2=-84(LC 10)
Max Uplift2=-48(LC 13), 4=-54(LC 13)
Max Grav 2=142(LC 1), 4=142(LC 1), 6=151(LC 3)

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) 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

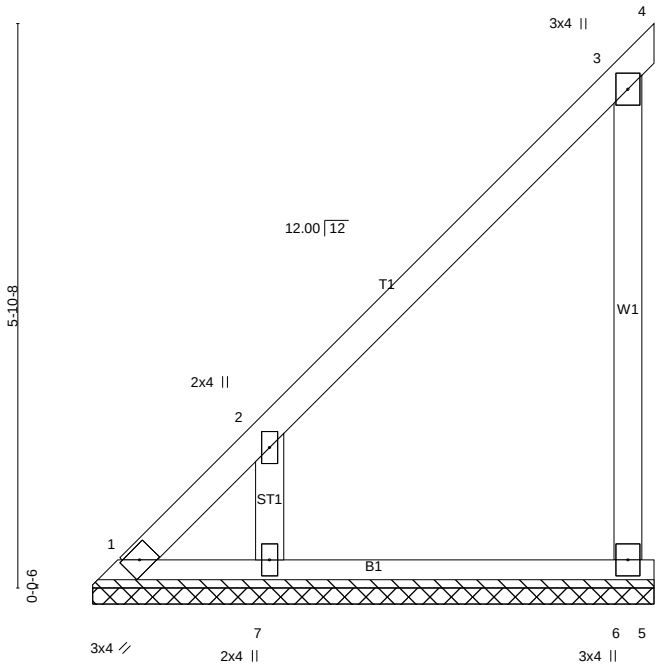
Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	V1	VALLEY	1	1	Job Reference (optional)

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

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:24 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-Te?HYFJEdK30y7vo000AdqqC?n_Qn6tq?IKAJfzciND

5-10-8
5-10-8

Scale: 1/2"=1'



0-0-6
0-0-6
5-10-8
5-10-2

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	0.19	Vert(LL)	-0.00	4	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 30 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-8 oc purlins, except end verticals.
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. (lb/size) 1=-8/5-10-2 (min. 0-1-8), 6=133/5-10-2 (min. 0-1-8), 7=306/5-10-2 (min. 0-1-8)
Max Horz 1=178(LC 12)
Max Uplift1=-85(LC 10), 6=-70(LC 12), 7=-157(LC 12)
Max Grav 1=182(LC 12), 6=154(LC 19), 7=351(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-402/339
WEBS 2-7=-384/344

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) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 5-10-8 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6 except (jt=lb) 7=157.
5) Non Standard bearing condition. Review required.
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	Bauer Residence
J0222-0946	V2	VALLEY	1	1	Job Reference (optional)

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

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:25 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-xrZfmaKsOeBtaHU?ajYP92MLLBJpWZ3_Dy3kr5zciNC

4-6-8
4-6-8

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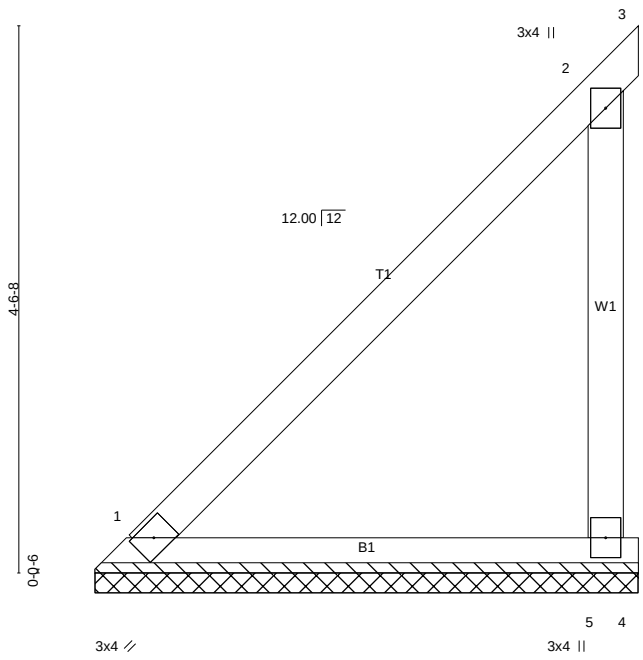

0-0-6 4-6-8
0-0-6 4-6-2

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.00	3	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	0.00	3	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 21 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals.
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. (lb/size) 1=156/4-6-2 (min. 0-1-8), 5=168/4-6-2 (min. 0-1-8)
Max Horz 1=135(LC 12)
Max Uplift5=-88(LC 12)
Max Grav 1=156(LC 1), 5=195(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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
5) Non Standard bearing condition. Review required.
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	Bauer Residence
J0222-0946	V3	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:25 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-xrZfmaKsOeBtaHU?ajYP92MOvBL3WZ3_Dy3kr5zciNC

3-2-8
3-2-8

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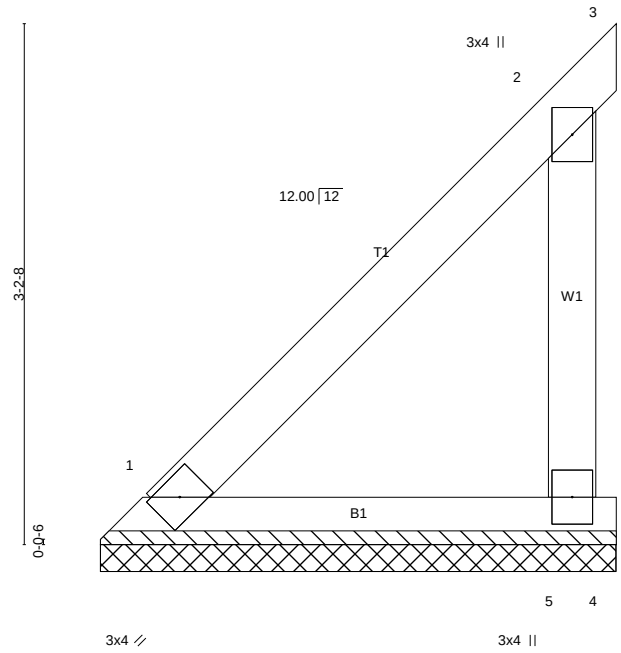

0-0-6 3-2-8
0-0-6 3-2-2

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)	-0.00	2	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	2	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 14 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-8 oc purlins, except end verticals.
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. (lb/size) 1=103/3-2-2 (min. 0-1-8), 5=115/3-2-2 (min. 0-1-8)
Max Horz 1=91(LC 12)
Max Uplift5=-61(LC 12)
Max Grav 1=103(LC 1), 5=134(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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
5) Non Standard bearing condition. Review required.
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	Bauer Residence
J0222-0946	X1	JACK-CLOSED	9	1	Job Reference (optional)

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

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:26 2022 Page 1
ID:N2BvuzWnGFIfrlAmPE8V9mzhuQb-P171zwLU9yJkBR3B7Q3eiFvU_bfeF0I7ScpHNXzciNB

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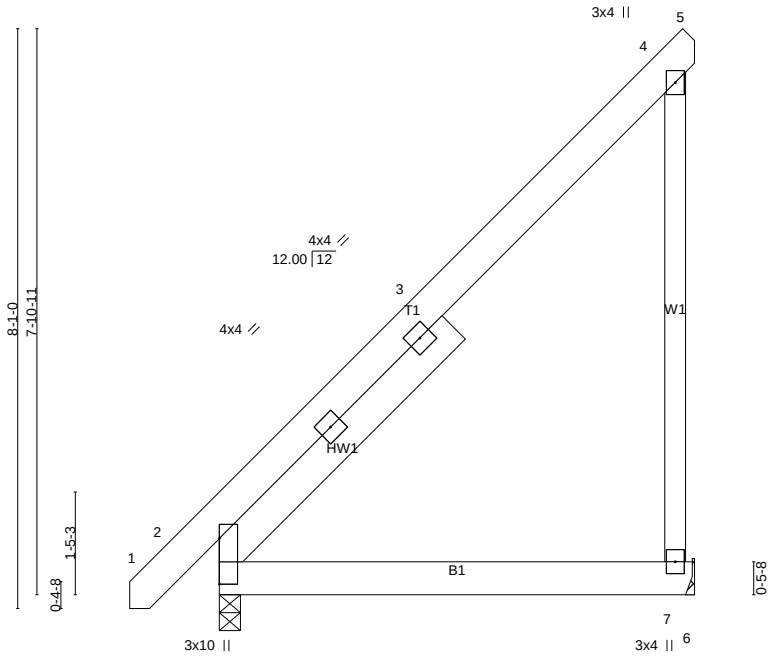
1-3-0 | 6-5-8 | 0-2-0

Scale: 3/8"=1'



3-3-12 | 6-7-8
3-3-12 | 3-3-12

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	0.42	Vert(LL)	-0.02	2-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.04	2-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 63 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 4-7-7

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. (lb/size) 7=257/Mechanical, 2=327/0-3-8 (min. 0-1-8)
Max Horz 2=247(LC 12)
Max Uplift7=-165(LC 12)
Max Grav 7=308(LC 19), 2=327(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-297/165, 3-8=-295/206, 3-9=-272/207, 4-9=-269/245, 4-7=-366/342

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) -1-1-6 to 3-3-7, Interior(1) 3-3-7 to 6-6-8 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) except (jt=lb) 7=165.
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	Bauer Residence
J0222-0946	X2	JACK-CLOSED	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:27 2022 Page 1
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1-3-0 | 5-3-8 | 1-4-0

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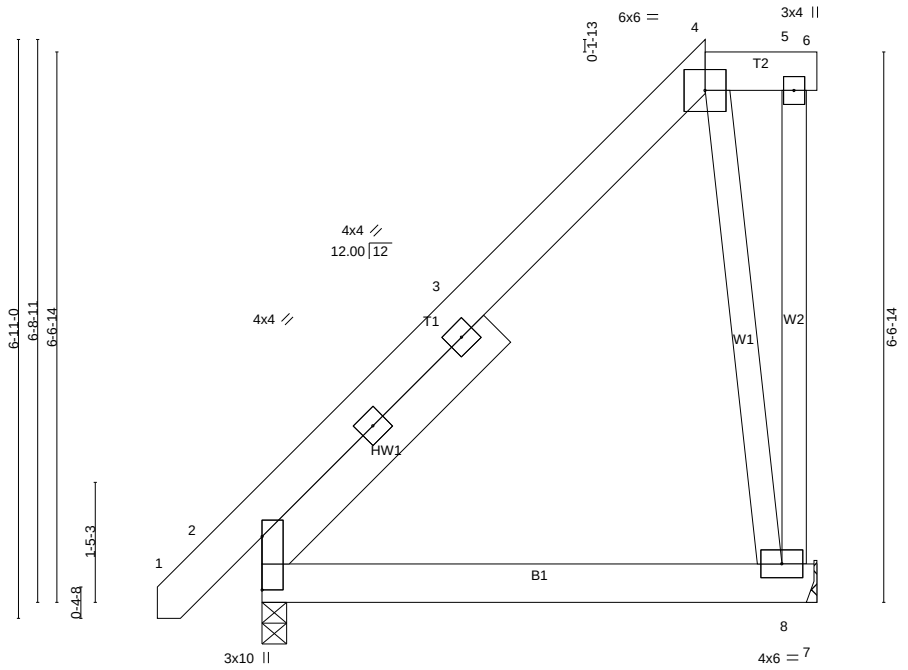

6-7-8
6-7-8

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	0.28	Vert(LL)	-0.03	2-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.05	2-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 67 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 3-11-10

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
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. (lb/size) 8=259/Mechanical, 2=327/0-3-8 (min. 0-1-8)
Max Horz 2=206(LC 12)
Max Uplift 8=-108(LC 12)
Max Grav 8=341(LC 19), 2=327(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-8=-271/259

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) -1-1-6 to 3-3-7, Interior(1) 3-3-7 to 5-3-8, Exterior(2) 5-3-8 to 6-7-8 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, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=108.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	X3	JACK-CLOSED	1	1	Job Reference (optional)

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

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:27 2022 Page 1
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1-3-0 | 3-11-8 | 2-8-0

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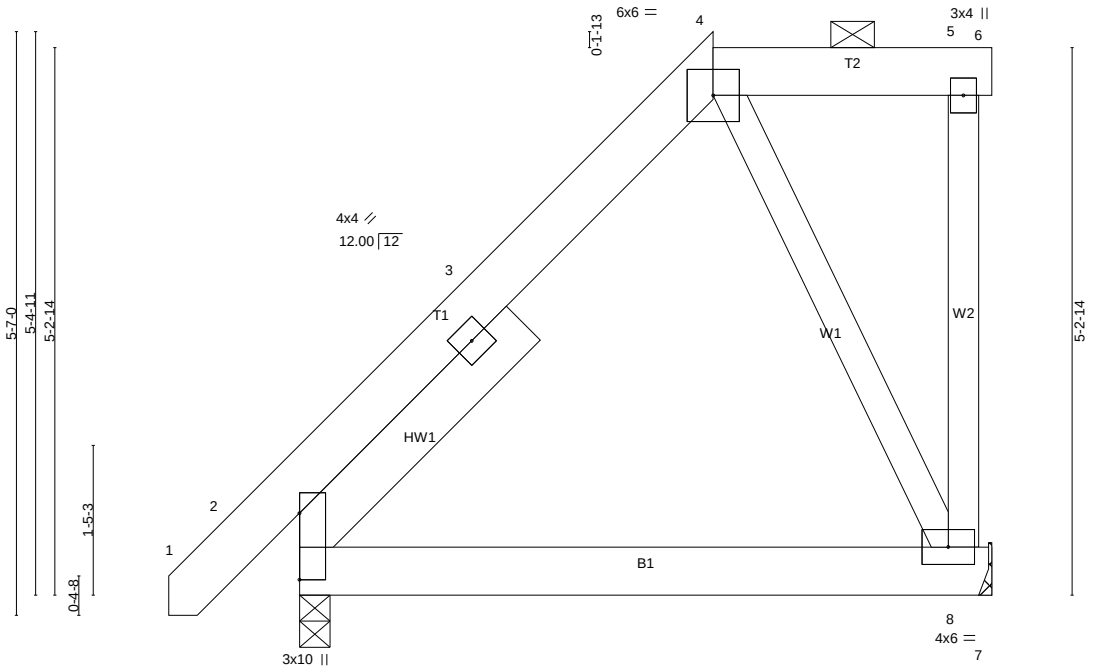

6-7-8
6-7-8

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	0.14	Vert(LL)	-0.02	2-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.04	2-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	-0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 60 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 3-0-5

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 4-6.
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. (lb/size) 8=259/Mechanical, 2=327/0-3-8 (min. 0-1-8)
Max Horz 2=162(LC 12)
Max Uplift8=-59(LC 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) and C-C Exterior(2) -1-1-6 to 3-3-7, Interior(1) 3-3-7 to 3-11-8, Exterior(2) 3-11-8 to 6-7-8 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	X4	JACK-CLOSED	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:28 2022 Page 1
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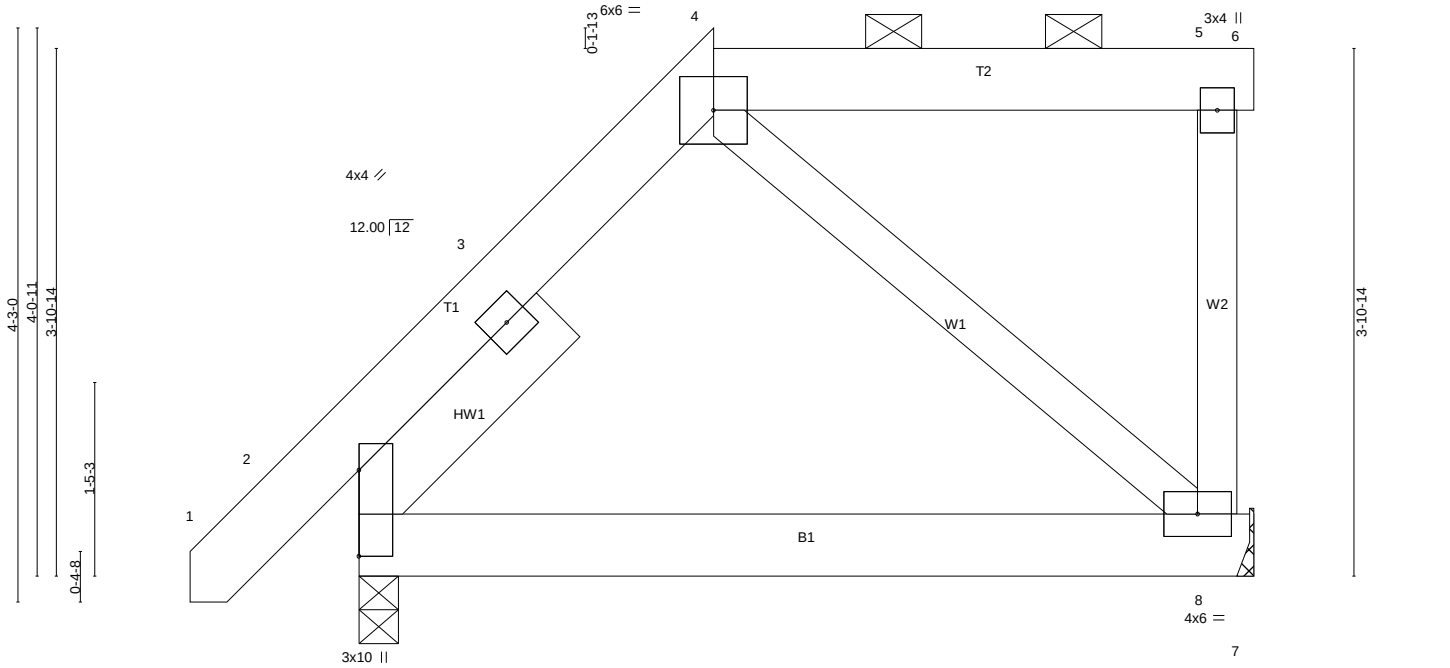
1-3-0 | 2-7-8 | 4-0-0

Scale = 1:17.1



6-7-8
6-7-8

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	0.08	Vert(LL)	-0.02	2-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.04	2-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	-0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 55 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 4-6.
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. (lb/size) 8=259/Mechanical, 2=327/0-3-8 (min. 0-1-8)
Max Horz 2=119(LC 12)
Max Uplift8=-43(LC 9)

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) 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	X5	JACK-CLOSED GIRDER	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:29 2022 Page 1
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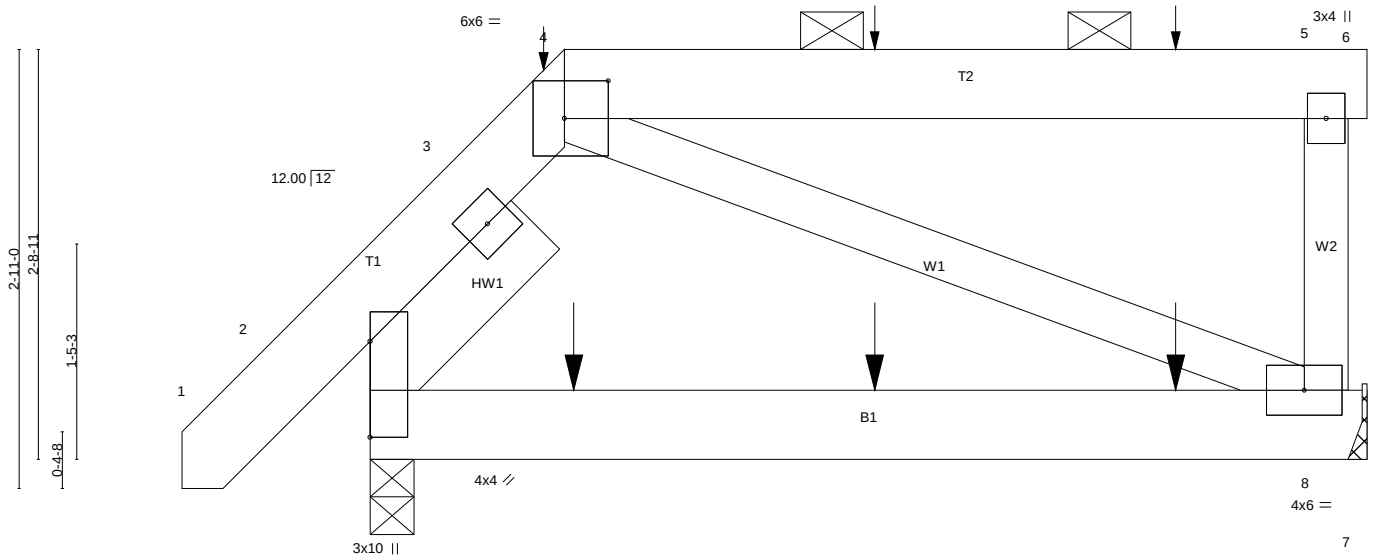
-1-3-0 | 1-3-8 | 6-7-8
1-3-0 | 1-3-8 | 5-4-0

Scale = 1:15.3



6-7-8
6-7-8

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

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	0.18	Vert(LL)	-0.02	2-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.05	2-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.05	Horz(CT)	-0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 51 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.1 -x 1-6-10

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
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. (lb/size) 8=266/Mechanical, 2=332/0-3-8 (min. 0-1-8)
Max Horz 2=79(LC 8)
Max Uplift8=-80(LC 5), 2=-59(LC 8)

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); Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
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) 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) 8, 2.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 71 lb down and 60 lb up at 1-3-8, and 75 lb down and 56 lb up at 3-4-4, and 75 lb down and 56 lb up at 5-4-4 on top chord, and 12 lb down at 1-4-4, and 12 lb down at 3-4-4, and 12 lb down at 5-4-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) 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

Continued on page 2

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-4=-60, 4-5=-60, 5-6=-20, 2-7=-20

Concentrated Loads (lb)

Vert: 11=-4(B) 12=-4(B) 13=-4(B)

Job	Truss	Truss Type	Qty	Ply	Bauer Residence
J0222-0946	Y1	JACK-OPEN	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 9 09:50:29 2022 Page 1
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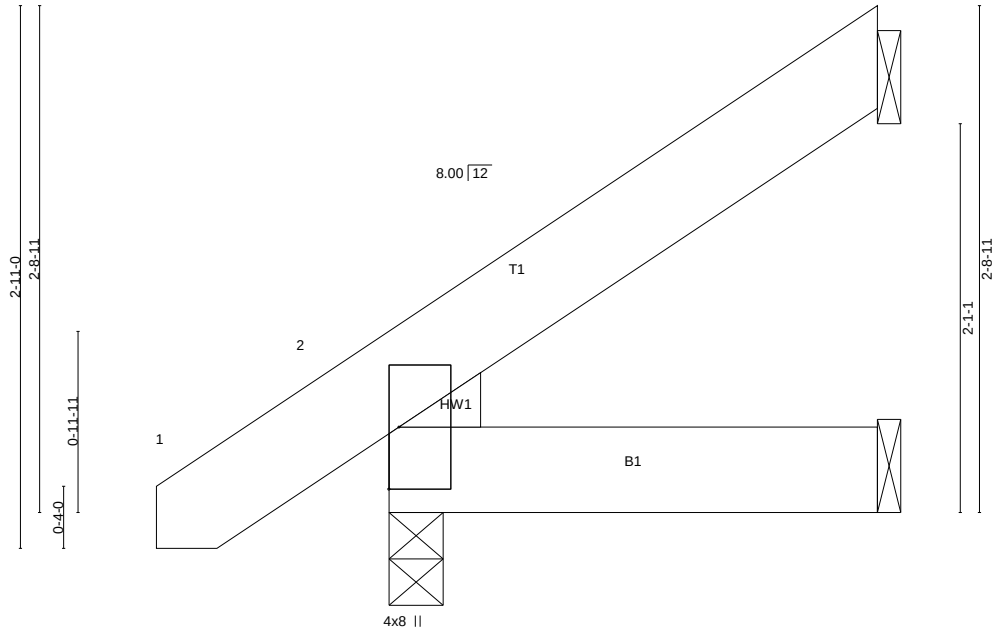

2-7-8 / 2-7-8

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	0.04	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	2	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 18 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-8 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. (lb/size) 3=54/Mechanical, 2=189/0-3-8 (min. 0-1-8), 4=24/Mechanical
Max Horz 2=78(LC 12)
Max Uplift 3=-52(LC 12)
Max Grav 3=67(LC 19), 2=189(LC 1), 4=48(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 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) 3.
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