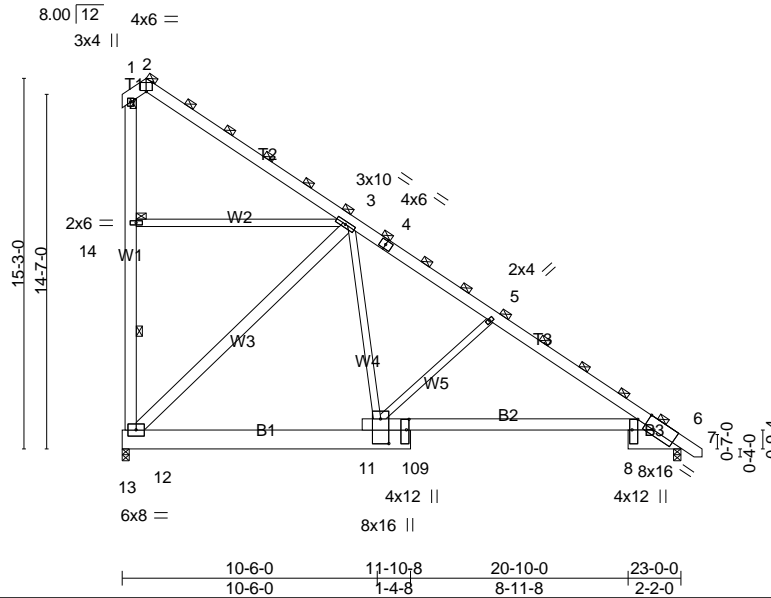


Job J1121-6665	Truss A6	Truss Type ROOF SPECIAL	Qty 1	Ply 2	Weaver/Lot 3 Thomas Bluff/Harnett
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Comtech, Inc., Fayetteville, NC 28309, Sumer Spell Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Jul 19 11:19:08 2022 Page 1
 ID:FKRF2G2VVSGFSXRUG_ubJqzaK1d-Epcd8hFIYRodyq3dGBz_OxNH9eZcxkl0SdEnjTywXOH

1-0-0	9-3-8	15-1-10	23-0-0	23-10-8
1-0-0	8-3-8	5-10-2	7-10-6	0-1-8



Scale = 1:94.8

Plate Offsets (X,Y)--	[2:0-3-0,Edge], [6:0-5-0,Edge], [8:0-5-4,Edge], [9:0-5-4,0-1-4], [10:1-0-4,0-4-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	3-6-0	TC 0.37	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.47	Vert(LL) -0.11 6-10 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.65	Vert(CT) -0.27 6-10 >999 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-S	Horz(CT) 0.07 6 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.05 6-10 >999 240	Weight: 490 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals
BOT CHORD 2x10 SP No.1 *Except*	(Switched from sheeted: Spacing > 2-0-0).
B2: 2x6 SP No.1	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except*	BOT CHORD 1 Row at midpt 12-14
W1,W3: 2x6 SP No.1	WEBS 12-14
	JOINTS 1 Brace at Jt(s): 2, 1, 14

REACTIONS. (lb/size) 6=1667/0-3-8 (min. 0-1-8), 12=1586/0-3-8 (min. 0-1-8)
 Max Horz 12=-842(LC 13)
 Max Uplift 12=-407(LC 13)
 Max Grav 6=1713(LC 20), 12=1971(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-333/223, 3-15=-379/22, 3-4=-1630/0, 4-5=-1889/0, 5-16=-2227/0, 6-16=-2362/0,
 12-14=-448/290, 1-14=-449/291
 BOT CHORD 12-17=0/1314, 11-17=0/1314, 10-11=0/1448, 9-10=0/1743, 8-9=0/1827, 6-8=0/1753
 WEBS 5-10=-757/361, 3-12=-2006/528, 3-10=0/1529

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - 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 5-4-13, Interior(1) 5-4-13 to 23-8-9 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 407 lb uplift at joint 12.
 - 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.
 - 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 J1121-6665	Truss A7	Truss Type ROOF SPECIAL	Qty 1	Ply 2	Weaver/Lot 3 Thomas Bluff/Harnett
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Comtech, Inc., Fayetteville, NC 28309, Sumer Spell

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Jul 19 11:19:09 2022 Page 1
ID:FKRF2G2VvSGFSXRUG_ubJqzaK1d-i?A0M1GwJlwUZ_epqvUDx8wSv1vrgB?9hH_KFvywXOG

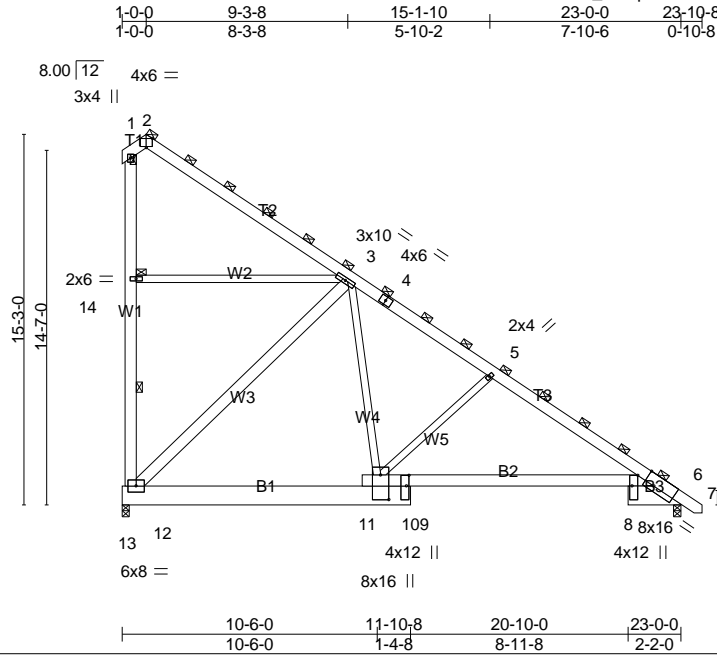


Plate Offsets (X,Y)-- [2:0-3-0,Edge], [6:0-5-0,Edge], [8:0-5-4,Edge], [9:0-5-4,0-1-4], [10:1-0-4,0-4-0]					
LOADING (psf)	SPACING- 3-6-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.37	Vert(LL) -0.11 6-10 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.47	Vert(CT) -0.27 6-10 >999 240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.65	Horz(CT) 0.07 6 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.05 6-10 >999 240		
				Weight: 490 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x10 SP No.1 *Except*
 B2: 2x6 SP No.1
 WEBS 2x4 SP No.2 *Except*
 W1,W3: 2x6 SP No.1

BRACING-

TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals
 (Switched from sheeted: Spacing > 2-0-0).
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 12-14
 JOINTS 1 Brace at Jt(s): 2, 1, 14

REACTIONS. (lb/size) 6=1667/0-3-8 (min. 0-1-8), 12=1586/0-3-8 (min. 0-1-8)
 Max Horz 12=-842(LC 13)
 Max Uplift 12=-407(LC 13)
 Max Grav 6=1713(LC 20), 12=1971(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-333/223, 3-15=-379/22, 3-4=-1630/0, 4-5=-1889/0, 5-16=-2227/0, 6-16=-2362/0,
 12-14=-448/290, 1-14=-449/291
 BOT CHORD 12-17=0/1314, 11-17=0/1314, 10-11=0/1448, 9-10=0/1743, 8-9=0/1827, 6-8=0/1753
 WEBS 5-10=-757/361, 3-12=-2006/528, 3-10=0/1529

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- 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 5-4-13, Interior(1) 5-4-13 to 23-8-9 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 407 lb uplift at joint 12.
- 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.
- 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 J1121-6665	Truss C1	Truss Type ATTIC	Qty 1	Ply 1	Weaver/Lot 3 Thomas Bluff/Harnett
					Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Sumer Spell

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Jul 19 11:19:43 2022 Page 1
ID:FKRF2G2VvSGFSXRUG_ubJqzaK1d-iYEsVfhFJBCfDELp25BJJKG?IUdffiAVZD7RxywXNK

0-11-0 5-4-12 8-2-13 11-1-8 14-0-3 16-10-4 22-3-0 23-2-0
0-11-0 5-4-12 2-10-1 2-10-11 2-10-11 2-10-1 5-4-12 0-11-0

Scale = 1:80.2

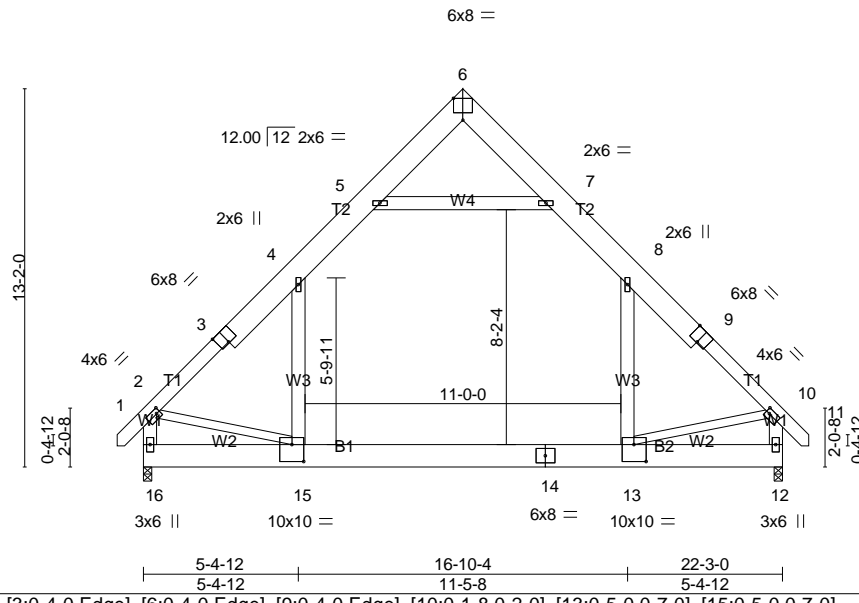


Plate Offsets (X,Y)-- [2:0-1-8,0-2-0], [3:0-4-0,Edge], [6:0-4-0,Edge], [9:0-4-0,Edge], [10:0-1-8,0-2-0], [13:0-5-0,0-7-0], [15:0-5-0,0-7-0]

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 0.33	Vert(LL)	-0.12	13-15	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.58	Vert(CT)	-0.19	13-15	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.31	Horz(CT)	0.01	12	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.05	15	>999		
								Weight: 268 lb	FT = 20%

LUMBER-

TOP CHORD 2x10 SP No.1 *Except*
T1: 2x6 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1 *Except*
W2: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-9-8 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) 16=1228/0-3-8 (min. 0-1-12), 12=1228/0-3-8 (min. 0-1-12)
Max Horz 16=-419(LC 10)
Max Grav 16=1469(LC 21), 12=1469(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1675/0, 3-4=-1511/22, 4-5=-1045/187, 7-8=-1045/187, 8-9=-1510/21,
9-10=-1675/0, 2-16=-1615/65, 10-12=-1616/65
BOT CHORD 15-16=-425/555, 14-15=0/1123, 13-14=0/1123
WEBS 5-7=-1194/265, 4-15=0/744, 8-13=0/744, 2-15=-1/1037, 10-13=-10/1044

NOTES-

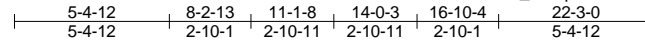
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-9-0 to 3-7-13, Exterior(2) 3-7-13 to 11-2-0, Corner(3) 11-2-0 to 15-6-13, Exterior(2) 15-6-13 to 23-1-0 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Ceiling dead load (10.0 psf) on member(s). 4-5, 7-8, 5-7; Wall dead load (5.0psf) on member(s).4-15, 8-13
- 6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
- 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) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job J1121-6665	Truss C3	Truss Type ATTIC	Qty 1	Ply 2	Weaver/Lot 3 Thomas Bluff/Harnett
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Comtech, Inc., Fayetteville, NC 28309, Sumer Spell

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Jul 19 11:19:44 2022 Page 1
ID:FKRF2G2VVSGFSXRUG_ubJqzaK1d-BknEi?ht4VLWGNpYnlcQsXtQ18nZM73JkDyhzNywXNj



Scale = 1:80.2

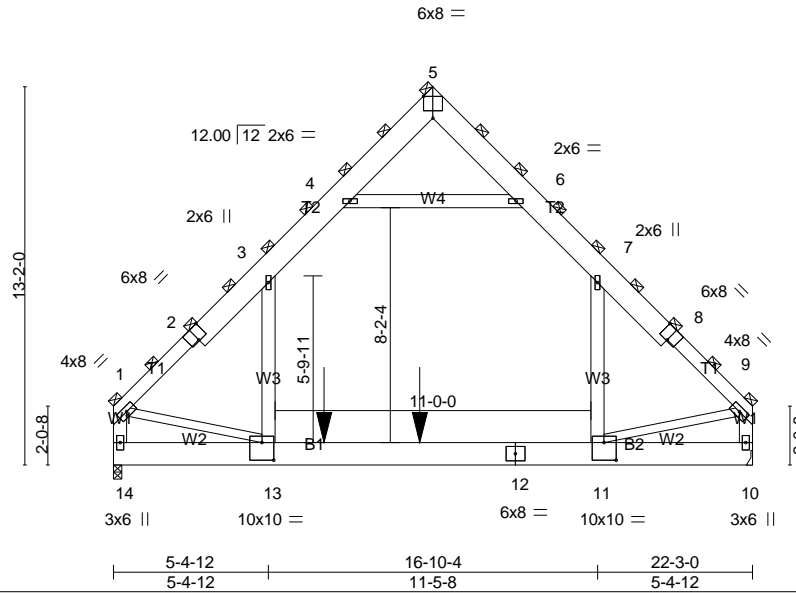


Plate Offsets (X,Y)-- [2:0-4-0,Edge], [5:0-4-0,Edge], [8:0-4-0,Edge], [11:0-5-0,0-7-4], [13:0-5-0,0-7-4]

LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	3-0-0	TC 0.44	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.76	Vert(LL) -0.14 11-13 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.24	Vert(CT) -0.22 11-13 >999 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-S	Horz(CT) 0.01 10 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.04 11-13 >999 240	Weight: 525 lb	FT = 20%

LUMBER-

TOP CHORD 2x10 SP No.1 *Except*
T1: 2x6 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1 *Except*
W2: 2x4 SP No.2

BRACING-

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

REACTIONS. (lb/size) 14=2108/0-3-8 (min. 0-1-10), 10=1991/Mechanical
Max Horz 14=-384(LC 8)
Max Grav 14=2783(LC 21), 10=2577(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3251/22, 2-17=-3009/22, 3-17=-2999/46, 3-18=-1860/242, 4-18=-1700/268,
4-5=-57/484, 5-6=-61/417, 6-19=-1767/277, 7-19=-1926/252, 7-20=-2919/41,
8-20=-2929/10, 8-9=-3167/8, 1-14=-3094/67, 9-10=-3003/54
BOT CHORD 13-14=-426/576, 13-15=0/2085, 15-16=0/2085, 12-16=0/2085, 11-12=0/2085
WEBS 4-6=-2511/389, 3-13=0/1662, 7-11=0/1480, 1-13=0/1970, 9-11=0/2076

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x10 - 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.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- 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) 0-3-4 to 4-8-1, Interior(1) 4-8-1 to 11-2-0, Exterior(2) 11-2-0 to 15-6-13, Interior(1) 15-6-13 to 22-0-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Ceiling dead load (10.0 psf) on member(s). 3-4, 6-7, 4-6; Wall dead load (5.0psf) on member(s). 3-13, 7-11
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
- Refer to girder(s) for truss to truss connections.
- 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 529 lb down and 76 lb up at 7-4-8, and 529 lb down and 76 lb up at 10-8-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- Attic room checked for L/360 deflection.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 3 Thomas Bluff/Harnett
J1121-6665	C3	ATTIC	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Sumer Spell

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Tue Jul 19 11:19:44 2022 Page 2
ID:FKRF2G2VvSGFSXRUG_ubJqzaK1d-BknEi?ht4VLWGNpYNlcQsXtQ18nZM73JkDyhzNywXNj

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 13-14=-30, 11-13=-60, 10-11=-30, 1-3=-90, 3-4=-120, 4-5=-90, 5-6=-90, 6-7=-120, 7-9=-90, 4-6=-30

Drag: 3-13=-15, 7-11=-15

Concentrated Loads (lb)

Vert: 15=-300(B) 16=-300(B)