Job	Truss	Truss Type	Qty	Ply	Mohler/Angier Office/Harnett
J0918-4320	A1-GE	GABLE	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Neil Baggett

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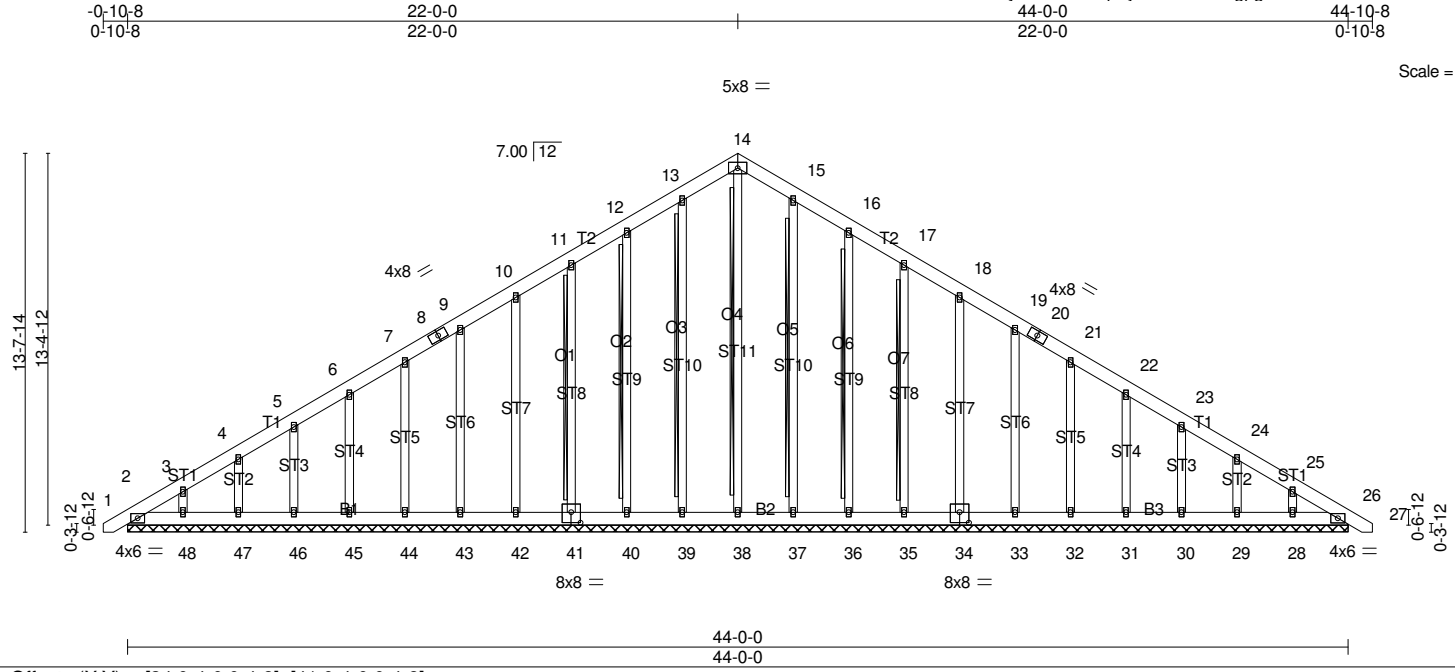

Plate Offsets (X,Y)-- [34:0-4-0,0-4-8], [41:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	0.00	26	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(TL)	0.00	26	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.01	26	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-S							Weight: 426 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.3 *Except*
ST11,ST10,ST9: 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.
WEBS T-Brace: 2x4 SPF No.2 - 14-38, 13-39, 12-40, 11-41, 15-37, 16-36, 17-35
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

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

REACTIONS. All bearings 44-0-0.
(lb) - Max Horz 2=450(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 26, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28 except 2=-122(LC 5)
Max Grav All reactions 250 lb or less at joint(s) 2, 26, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28 except 38=257(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-414/271, 3-4=-366/260, 4-5=-324/255, 5-6=-282/250, 11-12=-74/291, 12-13=-57/341, 13-14=-57/357, 14-15=-57/356, 15-16=-57/326, 16-17=-55/259, 25-26=-272/101
BOT CHORD 2-48=-76/278, 47-48=-76/278, 46-47=-76/278, 45-46=-76/278, 44-45=-76/278, 43-44=-76/278, 42-43=-76/278, 41-42=-76/278, 40-41=-76/278, 39-40=-76/278, 38-39=-76/278, 37-38=-76/278, 36-37=-76/278, 35-36=-76/278, 34-35=-76/278, 33-34=-76/278, 32-33=-76/278, 31-32=-76/278, 30-31=-76/278, 29-30=-76/278, 28-29=-76/278, 26-28=-76/278

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28 except (jt=lb) 2=122.

Continued on page 2

NOTES-

10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Mohler/Angier Office/Harnett
J0918-4320	A2	COMMON	25	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Neil Baggett — Run: 8.120 s Jun 27 2017 Print: 8.120 s Jun 27 2017 MiTek Industries, Inc. Tue Dec 4 14:19:06 2018 Page 1
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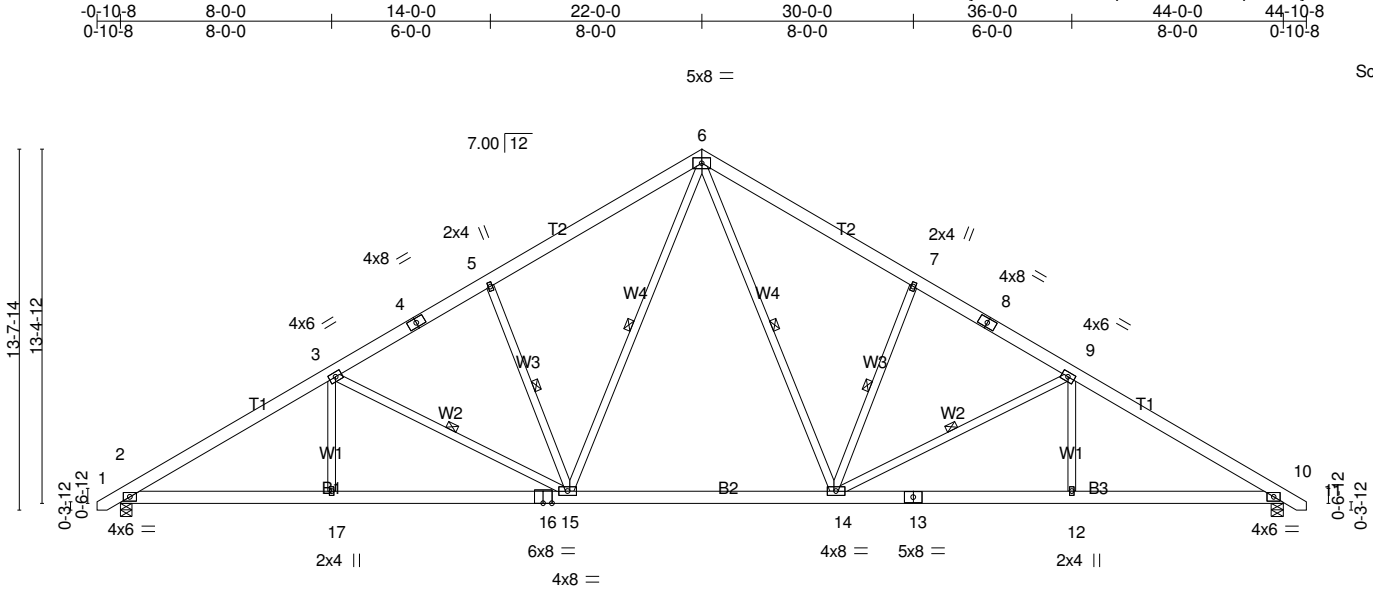

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.36	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(TL)	-0.58	14-15	>909	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(TL)	0.13	10	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-S		Wind(LL)	0.07	15	>999	240	Weight: 334 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except*
W4: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-14, 7-14, 6-15, 5-15, 9-14, 3-15

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

REACTIONS. (lb/size) 2=2087/0-5-4 (min. 0-2-7), 10=2088/0-5-8 (min. 0-2-7)
Max Horz 2=358(LC 6)
Max Uplift2=-126(LC 7), 10=-126(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-3473/482, 3-18=-3361/509, 3-4=-2926/471, 4-5=-2765/504, 5-19=-2816/567, 6-19=-2693/594, 6-20=-2692/594, 7-20=-2816/567, 7-8=-2765/503, 8-9=-2926/471, 9-21=-3359/508, 10-21=-3471/481
BOT CHORD 2-17=-305/2872, 16-17=-305/2872, 15-16=-305/2872, 15-22=-12/1878, 22-23=-12/1878, 14-23=-12/1878, 13-14=-303/2869, 12-13=-303/2869, 10-12=-303/2869
WEBS 6-14=-197/1218, 7-14=-387/244, 9-12=0/343, 6-15=-198/1219, 5-15=-387/244, 3-17=0/344, 9-14=-482/168, 3-15=-485/169

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-4 to 3-8-9, Interior(1) 3-8-9 to 22-0-0, Exterior(2) 22-0-0 to 26-4-13 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 with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=126, 10=126.
6) This truss is designed in accordance with the 2009 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	Mohler/Angier Office/Harnett
J0918-4320	A3	ROOF SPECIAL	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Neil Baggett — Run: 8.120 s Jun 27 2017 Print: 8.120 s Jun 27 2017 MiTek Industries, Inc. Tue Dec 4 14:19:06 2018 Page 1
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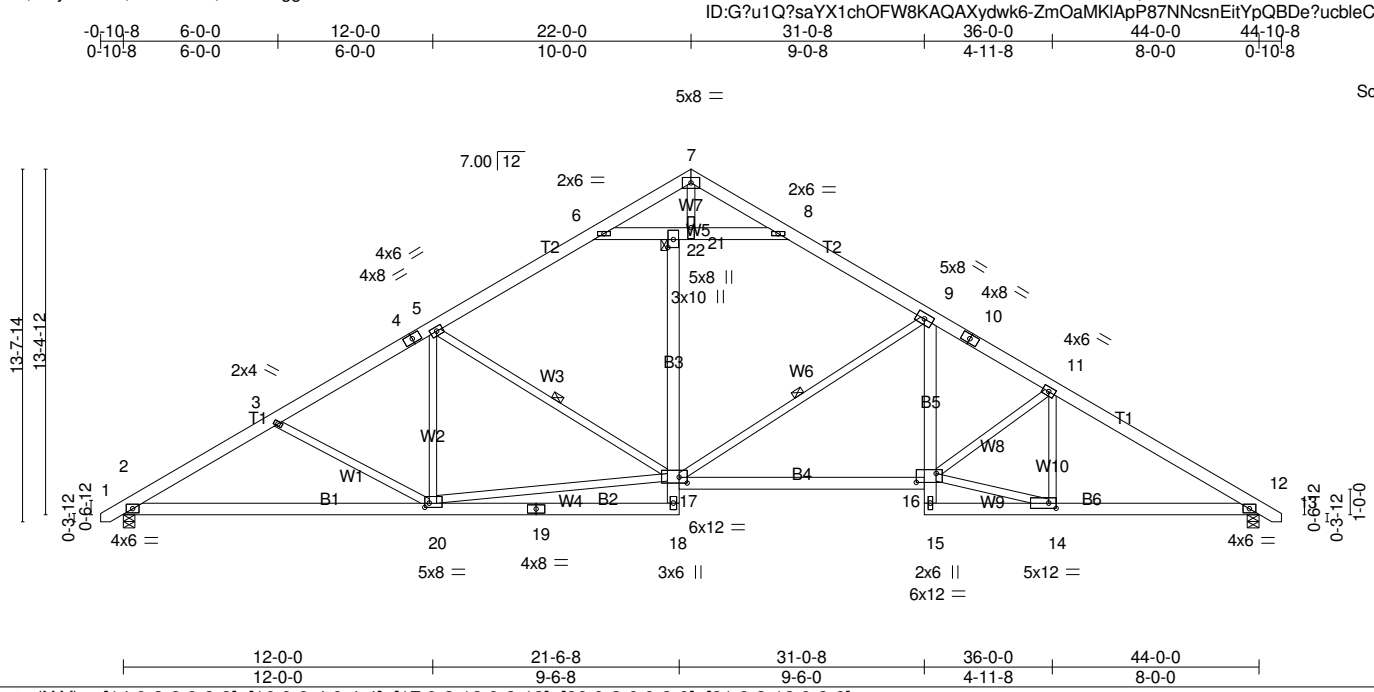

Plate Offsets (X,Y)-- [14:0-3-8,0-2-8], [16:0-9-4,0-4-4], [17:0-3-12,0-2-12], [20:0-2-0,0-2-0], [21:0-3-12,0-2-8]

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	0.38	Vert(LL)	-0.15	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(TL)	-0.47	16-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(TL)	0.17	12	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		Matrix-S		Wind(LL)	0.10	16-17	>999	240	Weight: 375 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except*
W3,W6: 2x4 SP No.2, W5: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-17, 9-17
JOINTS 1 Brace at Jt(s): 21

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

REACTIONS. (lb/size) 2=1797/0-5-8 (min. 0-2-2), 12=1797/0-5-8 (min. 0-2-2)
Max Horz 2=358(LC 6)
Max Uplift2=-126(LC 7), 12=-126(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-23=-2905/549, 3-23=-2813/567, 3-4=-2604/480, 4-5=-2434/500, 5-24=-2081/490, 6-24=-1912/494, 6-7=-1217/198, 7-8=-1268/196, 8-25=-1874/489, 9-25=-2006/485, 9-10=-2848/570, 10-11=-2960/544, 11-26=-2827/514, 12-26=-2937/487
BOT CHORD 2-20=-381/2425, 19-20=-53/292, 18-19=-53/292, 17-21=-110/1127, 16-17=-232/2487, 9-16=-63/805, 12-14=-308/2415
WEBS 5-20=0/359, 17-20=-147/1892, 5-17=-642/173, 14-16=-246/2327, 11-14=-476/145, 3-20=-287/209, 6-21=-706/371, 21-22=-722/371, 8-22=-722/371, 9-17=-965/204, 7-22=-106/1054

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-4 to 3-8-9, Interior(1) 3-8-9 to 22-0-0, Exterior(2) 22-0-0 to 26-4-13 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 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) except (jt=lb) 2=126, 12=126.
6) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard