

RE: J0520-2111
 Weaver / 25 Mitchell Manor / Harnett

Trenco
 818 Soundside Rd
 Edenton, NC 27932

Site Information:

Customer: Project Name: J0520-2111
 Lot/Block: Model:
 Address: Subdivision:
 City: State:

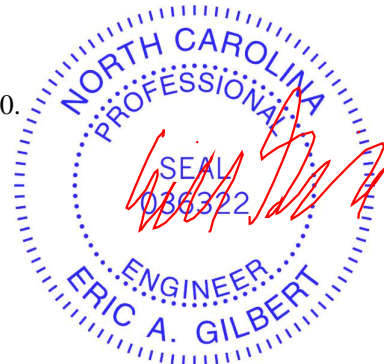
General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2009/TPI2007 Design Program: MiTek 20/20 8.3
 Wind Code: ASCE 7-05 Wind Speed: 110 mph
 Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 29 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	E14556339	A1	6/26/2020	21	E14556359	VB2	6/26/2020
2	E14556340	A1GE	6/26/2020	22	E14556360	VC1	6/26/2020
3	E14556341	A2	6/26/2020	23	E14556361	VC2	6/26/2020
4	E14556342	A3	6/26/2020	24	E14556362	VC3	6/26/2020
5	E14556343	A4	6/26/2020	25	E14556363	VC4	6/26/2020
6	E14556344	A5	6/26/2020	26	E14556364	VC5	6/26/2020
7	E14556345	A6	6/26/2020	27	E14556365	VC6	6/26/2020
8	E14556346	A7	6/26/2020	28	E14556366	VC7	6/26/2020
9	E14556347	A7GE	6/26/2020	29	E14556367	VC8	6/26/2020
10	E14556348	B1	6/26/2020				
11	E14556349	B1GE	6/26/2020				
12	E14556350	B2	6/26/2020				
13	E14556351	B3	6/26/2020				
14	E14556352	B4	6/26/2020				
15	E14556353	C1	6/26/2020				
16	E14556354	C1GE	6/26/2020				
17	E14556355	C2	6/26/2020				
18	E14556356	D1	6/26/2020				
19	E14556357	D1GE	6/26/2020				
20	E14556358	VB1	6/26/2020				

The truss drawing(s) referenced above have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville. Truss Design Engineer's Name: Gilbert, Eric My license renewal date for the state of North Carolina is December 31, 2020. North Carolina COA: C-0844



IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to TRENCO. Any project specific information included is for TRENCO customers file reference purpose only, and was not taken into account in the preparation of these designs. TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

June 26, 2020

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556339
J0520-2111	A1	ROOF SPECIAL	6	1		

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 ID:nGEYJn1QAngpJfECepmG8Mz?may-8m3J?hgubiJ4lhEf2g4o0LOvK67YHLYscxRaiz2SXM
 7-0-0 13-10-14 20-7-0 27-3-2 34-2-0 43-0-4 49-10-0 50-8-8
 7-0-0 6-10-14 6-8-2 6-8-2 6-10-14 8-10-4 6-9-12 0-10-8

Scale = 1:84.0

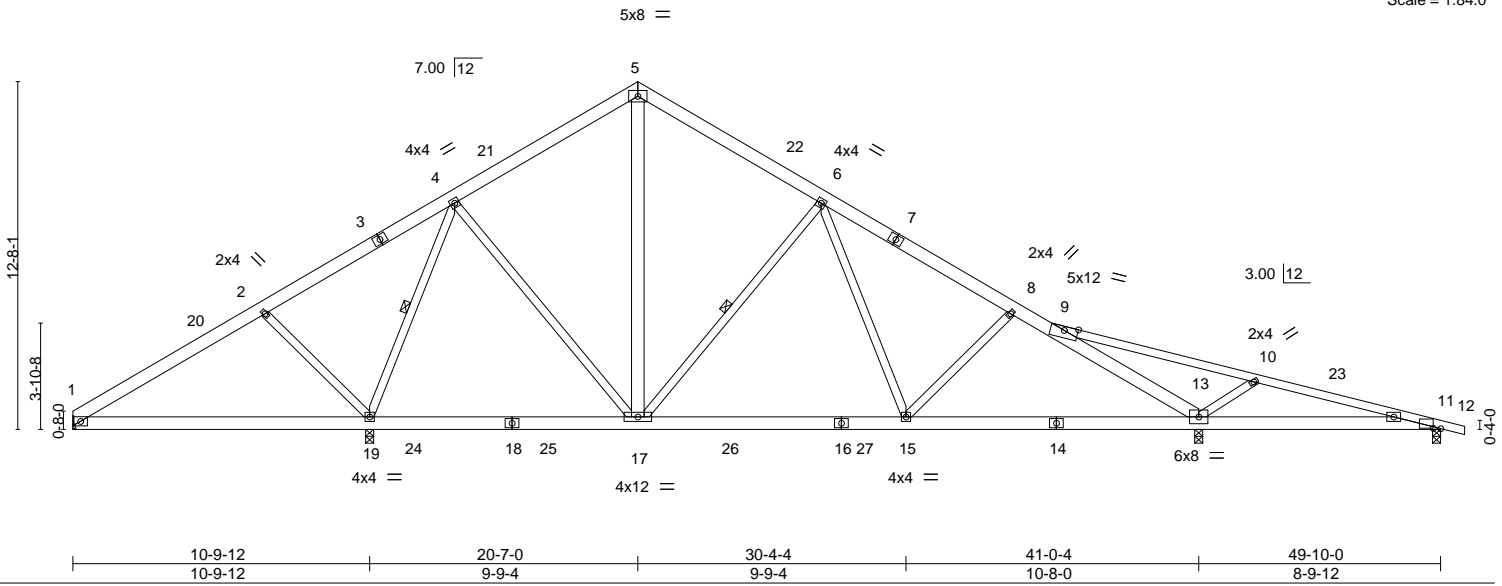


Plate Offsets (X,Y)-- [11:0-3-4,0-0-3]

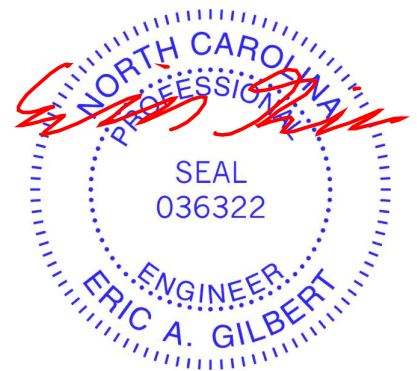
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.86	Vert(LL) -0.11	15-17	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.41	Vert(CT) -0.17	15-17	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.51	Horz(CT) 0.02	13	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.07	11-13	>999	240		
							Weight: 354 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1 *Except* 9-12: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except* 5-17: 2x6 SP No.1	WEBS 1 Row at midpt 4-19, 6-17

REACTIONS. All bearings 0-3-8 except (jt=length) 1=Mechanical.
 (lb) - Max Horz 1=297(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) 1 except 13=189(LC 11), 19=186(LC 10), 11=155(LC 7)
 Max Grav All reactions 250 lb or less at joint(s) except 13=1672(LC 1), 1=329(LC 21), 19=2064(LC 17), 11=279(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-53/434, 4-5=-879/344, 5-6=-851/346, 6-8=-1524/341, 8-9=-1595/338,
 9-13=-2039/427, 9-10=-103/537
 BOT CHORD 17-19=0/366, 15-17=-19/1105, 13-15=-133/1398
 WEBS 2-19=-484/264, 4-19=-1466/349, 4-17=0/661, 5-17=-134/470, 6-17=-759/262,
 10-13=-608/304, 6-15=-12/492

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-12 to 5-0-9, Interior(1) 5-0-9 to 15-7-3, Exterior(2) 15-7-3 to 25-6-13, Interior(1) 25-6-13 to 45-8-11, Exterior(2) 45-8-11 to 50-8-8 zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) All plates are 4x6 MT20 unless otherwise indicated.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 1 except (jt=lb) 13=189, 19=186, 11=155.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



June 26, 2020

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556340
J0520-2111	A1GE	GABLE	1	1	Job Reference (optional)	

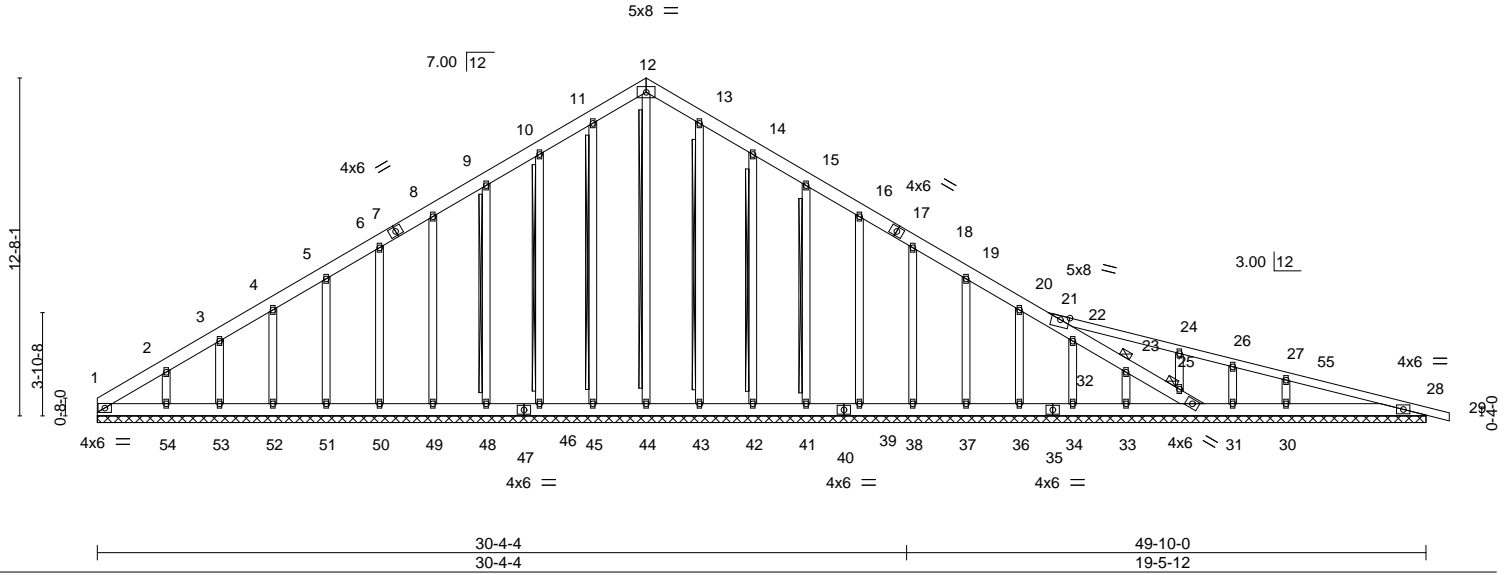
Comtech, Inc., Fayetteville, NC - 28314,

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Scale = 1:86.4



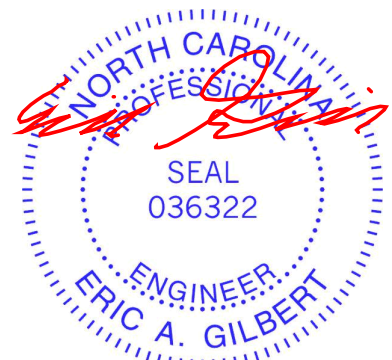
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.20	Vert(LL) 0.01	29	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.10	Vert(CT) 0.01	29	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.18	Horz(CT) 0.01	28	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S					Weight: 434 lb	FT = 20%

LUMBER-	BRACING-	JOINTS
TOP CHORD 2x6 SP No.1 *Except* 21-29: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 10-0-0 oc bracing: 32-33,31-32,30-31,28-30.	
BOT CHORD 2x6 SP No.1	WEBS T-Brace: 2x4 SPF No.2 - 12-44, 11-45, 10-46, 9-48, 13-43, 14-42, 15-41	
OTHERS 2x4 SP No.2	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. 1 Brace at Jt(s): 23, 25	

REACTIONS. All bearings 49-10-0.
 (lb) - Max Horz 1=384(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) 45, 46, 48, 49, 50, 51, 52, 53, 43, 42, 41, 39, 38, 37, 34, 33 except 1=105(LC 8), 28=127(LC 7), 54=133(LC 10), 36=123(LC 11), 30=168(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 32, 1, 45, 46, 48, 49, 50, 51, 52, 53, 54, 43, 42, 41, 39, 38, 37, 36, 34, 33, 31 except 28=281(LC 1), 44=261(LC 20), 30=389(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-381/317, 2-3=-285/271, 3-4=-225/251, 9-10=-145/258, 10-11=-200/299, 11-12=-231/333, 12-13=-231/333, 13-14=-200/299, 22-23=-276/285, 23-25=-295/346, 25-32=-264/244, 21-24=-253/227, 27-28=-255/121
 BOT CHORD 1-54=-156/295, 53-54=-156/295, 52-53=-156/295, 51-52=-156/295, 50-51=-156/295, 49-50=-156/295, 48-49=-156/295, 46-48=-156/295, 45-46=-156/295, 44-45=-156/295, 43-44=-156/295, 42-43=-156/295, 41-42=-156/295, 39-41=-156/295, 38-39=-156/295, 37-38=-156/295, 36-37=-156/295, 34-36=-156/295, 33-34=-156/295, 32-33=-295/156
 WEBS 27-30=-277/275

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-0-0 to 4-11-13, Exterior(2) 4-11-13 to 15-7-3, Corner(3) 15-7-3 to 25-6-13, Exterior(2) 25-6-13 to 45-8-11, Corner(3) 45-8-11 to 50-8-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - 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



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

TRENCO ENGINEERING BY A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556340
J0520-2111	A1GE	GABLE	1	1	Job Reference (optional)	

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NOTES-

- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 45, 46, 48, 49, 50, 51, 52, 53, 43, 42, 41, 39, 38, 37, 34, 33 except (jt=lb) 1=105, 28=127, 54=133, 36=123, 30=168.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556341
J0520-2111	A2	ROOF SPECIAL	1	1	Job Reference (optional)	

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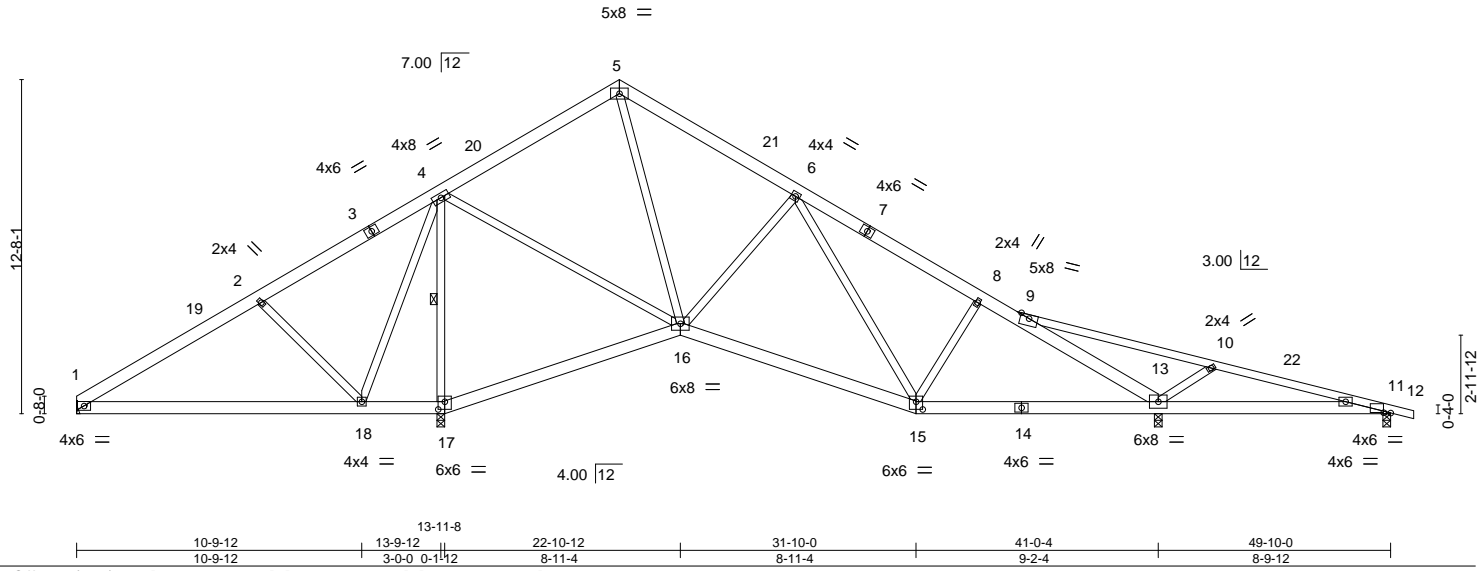


Plate Offsets (X,Y)-- [11:0-3-4,0-0-3], [15:0-3-0,0-3-8], [17:0-3-0,0-3-8]

LOADING (psf)	SPACING-	CS.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.58	Vert(LL) -0.09	1-18	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.31	Vert(CT) -0.19	1-18	>869	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.54	Horz(CT) 0.03	11	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.07	11-13	>999	240		
							Weight: 348 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
9-12: 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 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-17

REACTIONS.

All bearings 0-3-8 except (jt=length) 1=Mechanical.
(lb) - Max Horz 1=297(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 17=169(LC 10), 13=185(LC 11), 11=150(LC 7)
Max Grav All reactions 250 lb or less at joint(s) except 1=413(LC 21), 17=1945(LC 1), 13=1475(LC 1), 11=288(LC 22)

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

TOP CHORD 1-2=-368/174, 2-4=-89/294, 4-5=-636/243, 5-6=-703/256, 6-8=-1061/311,
8-9=-1100/269, 9-13=-1643/360, 9-10=-106/505
BOT CHORD 1-18=-140/278, 17-18=-439/237, 16-17=-523/272, 15-16=0/859, 13-15=-75/941
WEBS 2-18=-470/258, 4-17=-1726/368, 4-16=-13/937, 5-16=-40/305, 6-16=-567/294,
10-13=-608/304, 4-18=-99/552

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-12 to 5-0-9, Interior(1) 5-0-9 to 15-7-3, Exterior(2) 15-7-3 to 25-6-13, Interior(1) 25-6-13 to 45-8-11, Exterior(2) 45-8-11 to 50-8-8 zone; porch right exposed; 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 17=169, 13=185, 11=150.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



June 26, 2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556343
J0520-2111	A4	SPECIAL TRUSS	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s May 6 2020 MiTek Industries, Inc. Fri Jun 26 09:18:23 2020 Page 1
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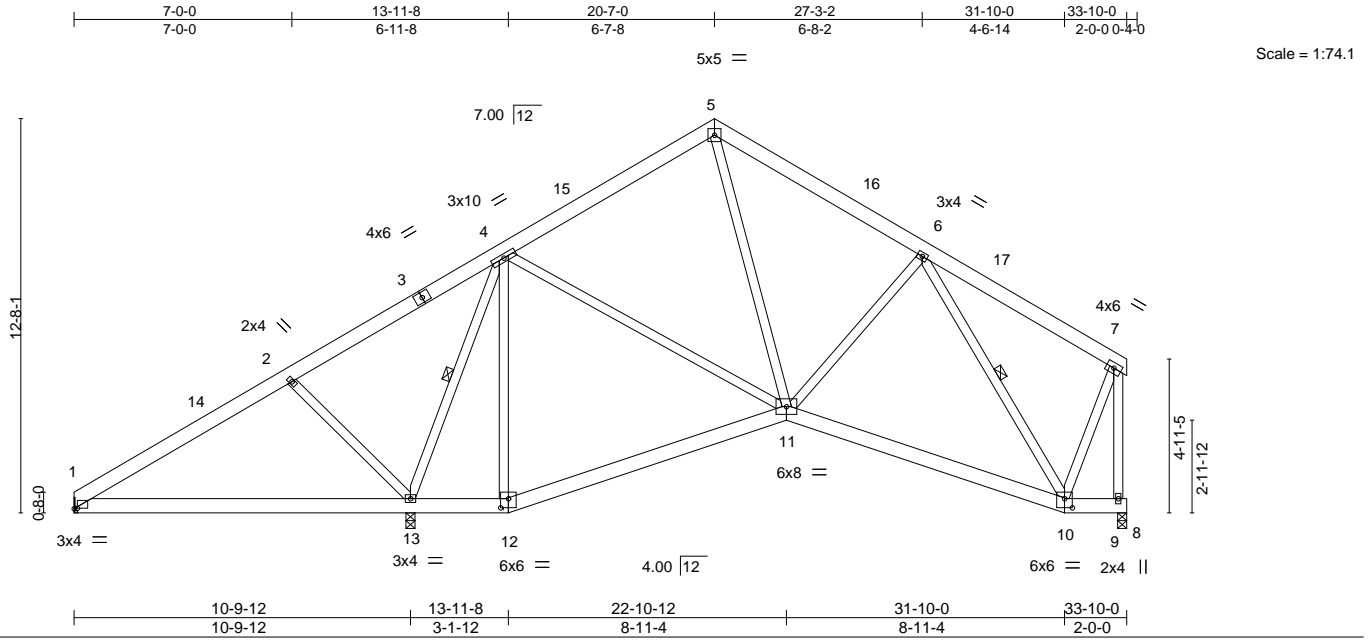


Plate Offsets (X,Y)-- [1:0-1-4,0-0-3], [10:0-3-0,0-3-8], [12:0-3-0,0-3-8]

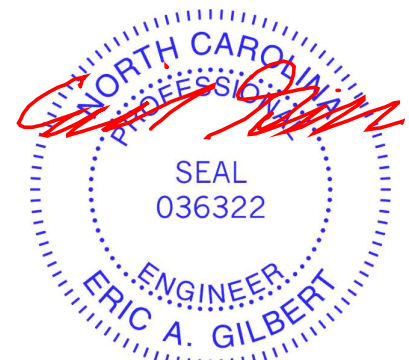
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.23	Vert(LL) -0.08	1-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.31	Vert(CT) -0.16	1-13	>791	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.36	Horz(CT) 0.02	9	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.01	11	>999	240	Weight: 271 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6'-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10'-0-0 oc bracing, Except:
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 6'-10, 4'-13

REACTIONS. (size) 1=Mechanical, 9=0-3-8, 13=0-3-8
 Max Horz 1=287(LC 7)
 Max Uplift 9=-65(LC 11), 13=-200(LC 10)
 Max Grav 1=350(LC 21), 9=863(LC 1), 13=1503(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-264/89, 2-4=-98/322, 4-5=-705/280, 5-6=-803/308, 6-7=-323/128, 7-9=-865/185
 BOT CHORD 11-12=-81/292, 10-11=-141/646
 WEBS 6-10=-737/196, 4-11=0/363, 5-11=-88/383, 7-10=-55/617, 4-13=-1043/305, 2-13=-477/258

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-12 to 4-5-9, Interior(1) 4-5-9 to 16-2-3, Exterior(2) 16-2-3 to 24-11-13, Interior(1) 24-11-13 to 29-1-15, Exterior(2) 29-1-15 to 33-6-12 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 13=200.



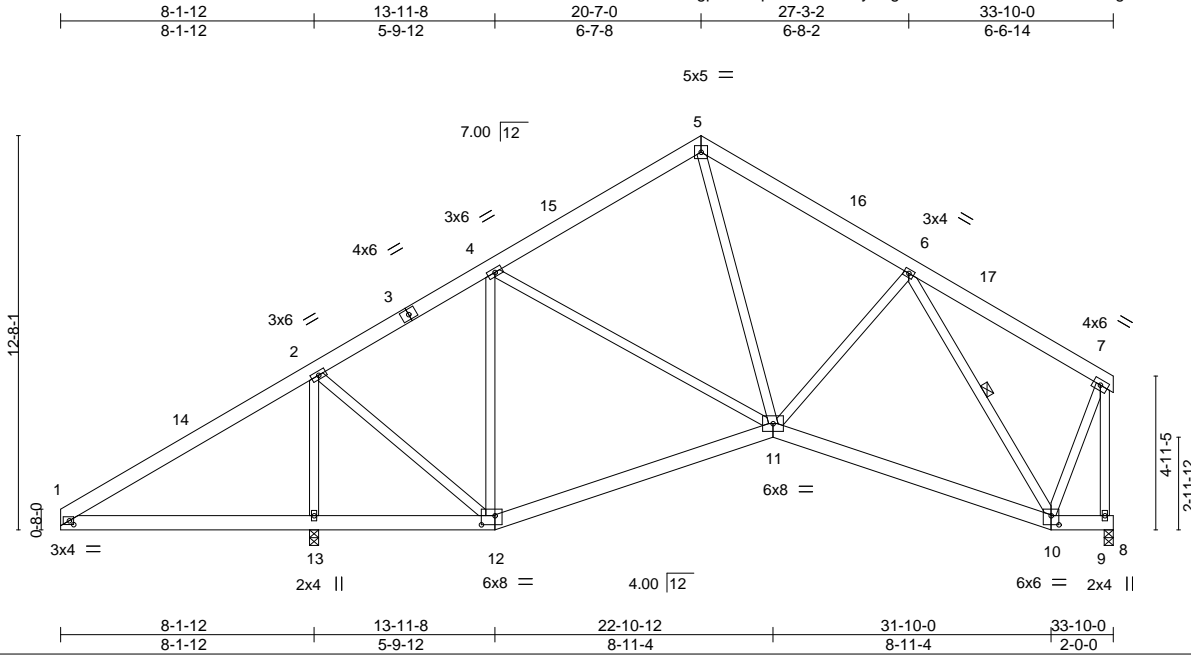
June 26, 2020

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556344
J0520-2111	A5	ROOF SPECIAL	3	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

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ID:nGEYJn1QAngpJfECepmG8Mz?may-rhg556nAEmafVFS9F8sRC7mEgMZ2ukZ099Mzw7z2SXC



Scale = 1:74.1

Plate Offsets (X,Y)-- [1:0-1-11,0-1-8], [10:0-3-0,0-3-8], [12:0-5-4,0-3-8]

LOADING (psf)	SPACING-	CS.I.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.33	Vert(LL)	-0.06 11-12	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.25	Vert(CT)	-0.13 11-12	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.72	Horz(CT)	0.02 9	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL)	0.02 11-12	>999	240	Weight: 268 lb	FT = 20%
	Code IRC2015/TPI2014							

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 6-10

REACTIONS. (size) 13=0-3-8, 9=0-3-8
 Max Horz 13=287(LC 7)
 Max Uplift 13=-151(LC 10), 9=-76(LC 11)
 Max Grav 13=1773(LC 1), 9=918(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-442/647, 2-4=-537/124, 4-5=-795/247, 5-6=-942/266, 6-7=-355/118, 7-9=-919/158
 BOT CHORD 1-13=-444/454, 12-13=-491/284, 11-12=-115/498, 10-11=-115/699
 WEBS 2-13=-1576/632, 2-12=-276/994, 4-12=-630/270, 4-11=-49/298, 5-11=-59/494,
 6-10=-806/162, 7-10=-31/663

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; 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 16-2-3, Exterior(2) 16-2-3 to 24-11-13, Interior(1) 24-11-13 to 29-1-15, Exterior(2) 29-1-15 to 33-6-12 zone; cantilever left exposed ;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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 13=151.



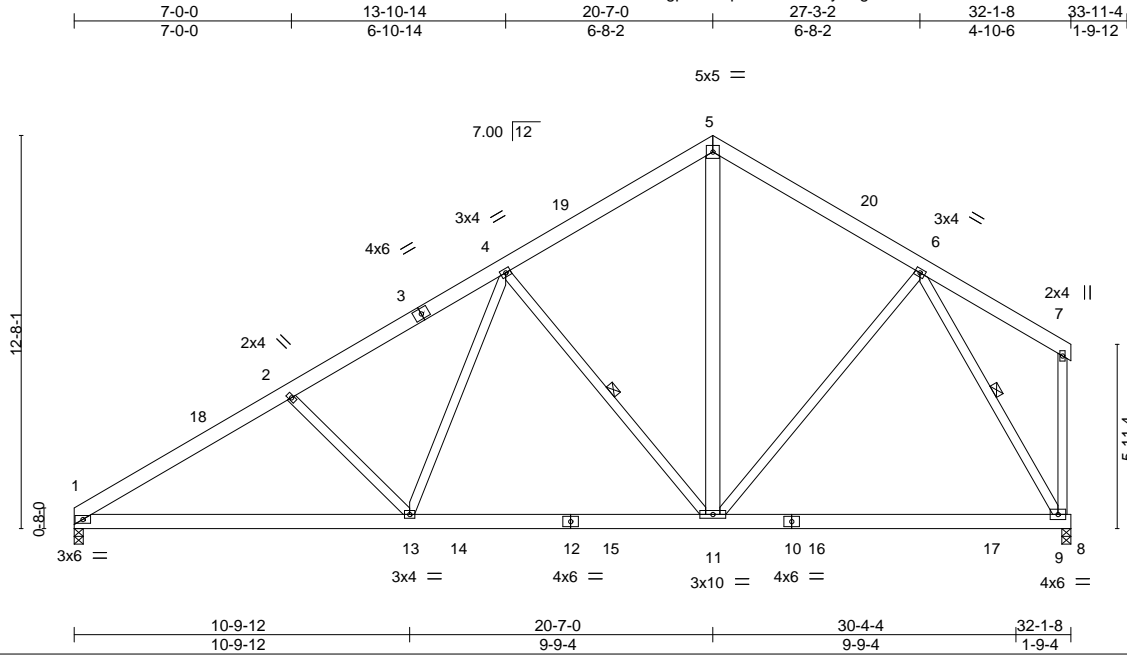
June 26, 2020

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556345
J0520-2111	A6	MOD. QUEEN	1	1	Job Reference (optional)	

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Scale = 1:74.3

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.40	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.59	Vert(LL) -0.23 9-11 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.52	Vert(CT) -0.35 9-11 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.03 9 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.04 13 >999 240	Weight: 262 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2 *Except*
 5-11: 2x6 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-1-12 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-11, 6-9

REACTIONS.

(size) 1=0-3-8, 9=0-3-8
 Max Horz 1=286(LC 7)
 Max Uplift 1=106(LC 10), 9=92(LC 10)
 Max Grav 1=1369(LC 17), 9=1476(LC 17)

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

TOP CHORD 1-2=-2178/462, 2-4=-1938/451, 4-5=-1146/386, 5-6=-1174/385
 BOT CHORD 1-13=-497/1964, 11-13=-300/1486, 9-11=-163/675
 WEBS 2-13=-417/244, 4-13=-80/635, 4-11=-814/295, 5-11=-173/753, 6-11=-36/478,
 6-9=-1332/342

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; 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 16-2-3, Exterior(2) 16-2-3 to 24-11-13, Interior(1) 24-11-13 to 27-3-2, Exterior(2) 27-3-2 to 31-10-4 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 100 lb uplift at joint(s) 9 except (jt=lb) 1=106.



June 26, 2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



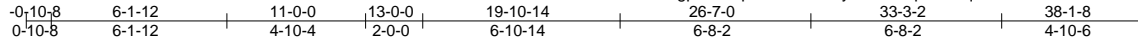
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556346
J0520-2111	A7	ROOF SPECIAL GIRDER	5	1	Job Reference (optional)	

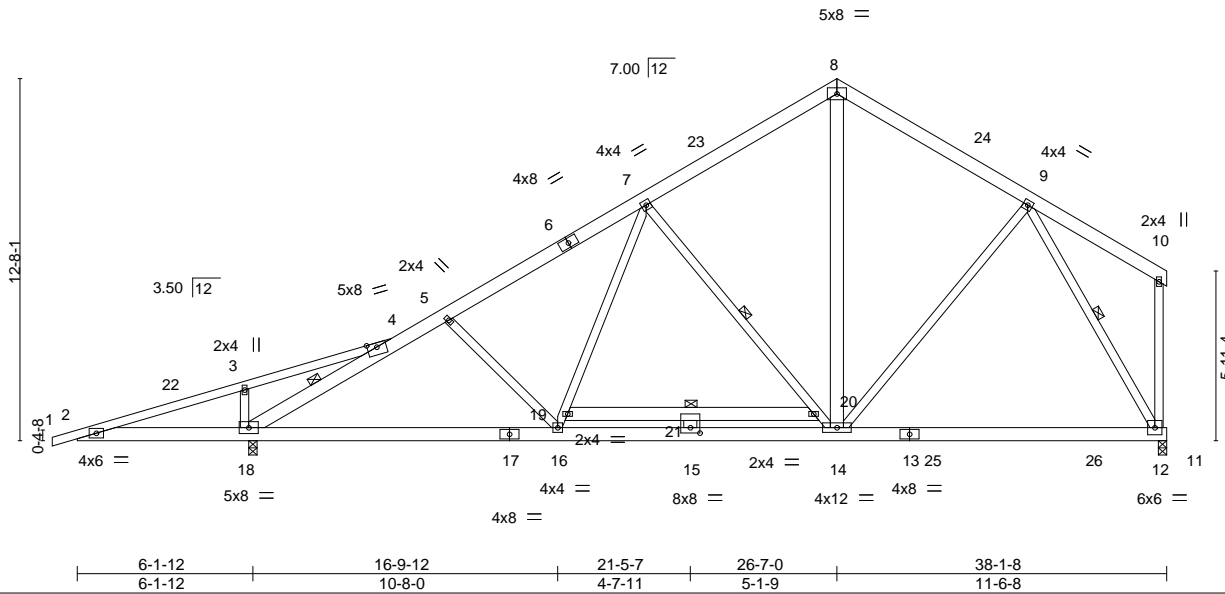
Comtech, Inc., Fayetteville, NC - 28314,

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Scale = 1:80.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.51	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.69	Vert(LL) -0.27 12-14 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.61	Vert(CT) -0.37 12-14 >999 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-S	Horz(CT) 0.04 12 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.13 15 >999 240	Weight: 318 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1 *Except* 1-4: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 5-2-0 oc purlins, except end verticals. Except: 1 Row at midpt 4-18
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-18.
WEBS 2x4 SP No.2 *Except* 8-14,19-20,15-21: 2x6 SP No.1	WEBS 1 Row at midpt 7-14, 9-12, 19-20

REACTIONS. (size) 12=0-3-8, 18=0-3-8
 Max Horz 18=293(LC 7)
 Max Uplift 12=-124(LC 10), 18=-229(LC 10)
 Max Grav 12=1638(LC 17), 18=2150(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-845/820, 3-4=-770/799, 4-18=-3019/1143, 4-5=-2255/411, 5-7=-2161/454,
 7-8=-1346/458, 8-9=-1356/454
 BOT CHORD 2-18=-737/863, 16-18=-365/2067, 15-16=-371/1750, 14-15=-371/1750, 12-14=-198/768
 WEBS 5-16=-260/155, 16-19=-40/622, 7-19=-54/721, 7-20=-922/278, 14-20=-1035/315,
 8-14=-251/968, 9-14=-38/579, 9-12=-1527/418, 3-18=-387/203

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 22-2-3, Exterior(2) 22-2-3 to 30-11-13, Interior(1) 30-11-13 to 33-3-2, Exterior(2) 33-3-2 to 37-10-4 zone; cantilever left exposed ;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 100 lb uplift at joint(s) except (jt=lb) 12=124, 18=229.
 - 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
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-60, 4-8=-60, 8-10=-60, 2-16=-20, 14-16=-80, 11-14=-20



Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556347
J0520-2111	A7GE	GABLE	1	1	Job Reference (optional)	

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5x8 =

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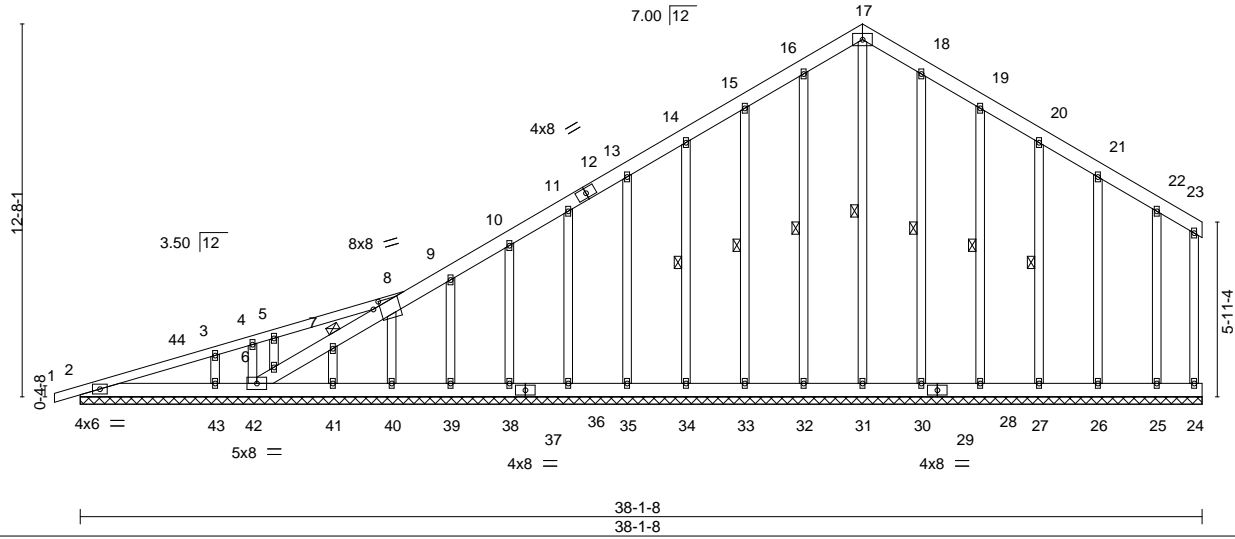


Plate Offsets (X,Y)-- [8:0-2-12,0-2-8]

LOADING (psf)	SPACING-	CS.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.15	Vert(LL)	-0.00	1	n/r	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.06	Vert(CT)	0.00	1	n/r		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.14	Horz(CT)	-0.00	40	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S					Weight: 366 lb	FT = 20%
	Code IRC2015/TPI2014							

LUMBER-
TOP CHORD 2x6 SP No.1 *Except*
1-8: 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-43,42-43.
WEBS 1 Row at midpt 17-31, 16-32, 15-33, 14-34, 18-30, 19-28, 20-27
JOINTS 1 Brace at Jt(s): 7

REACTIONS. All bearings 38-1-8.
(lb) - Max Horz 2=406(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 24, 42, 31, 32, 33, 34, 35, 36, 38, 39, 40, 41, 30, 28, 27, 26, 25 except 2=100(LC 6), 43=115(LC 6)
Max Grav All reactions 250 lb or less at joint(s) 24, 42, 2, 31, 32, 33, 34, 35, 36, 38, 39, 40, 41, 30, 28, 27, 26, 25 except 43=357(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-300/281, 9-10=-265/257, 14-15=-182/272, 15-16=-221/313, 16-17=-250/325, 17-18=-250/312, 18-19=-221/274
WEBS 3-43=-253/258

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-10-8 to 3-6-5, Exterior(2) 3-6-5 to 22-2-3, Corner(3) 22-2-3 to 30-11-13, Exterior(2) 30-11-13 to 33-5-7, Corner(3) 33-5-7 to 37-10-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 42, 31, 32, 33, 34, 35, 36, 38, 39, 40, 41, 30, 28, 27, 26, 25 except (jt=lb) 2=100, 43=115.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



June 26, 2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556348
J0520-2111	B1	FINK	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

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Scale = 1:50.8

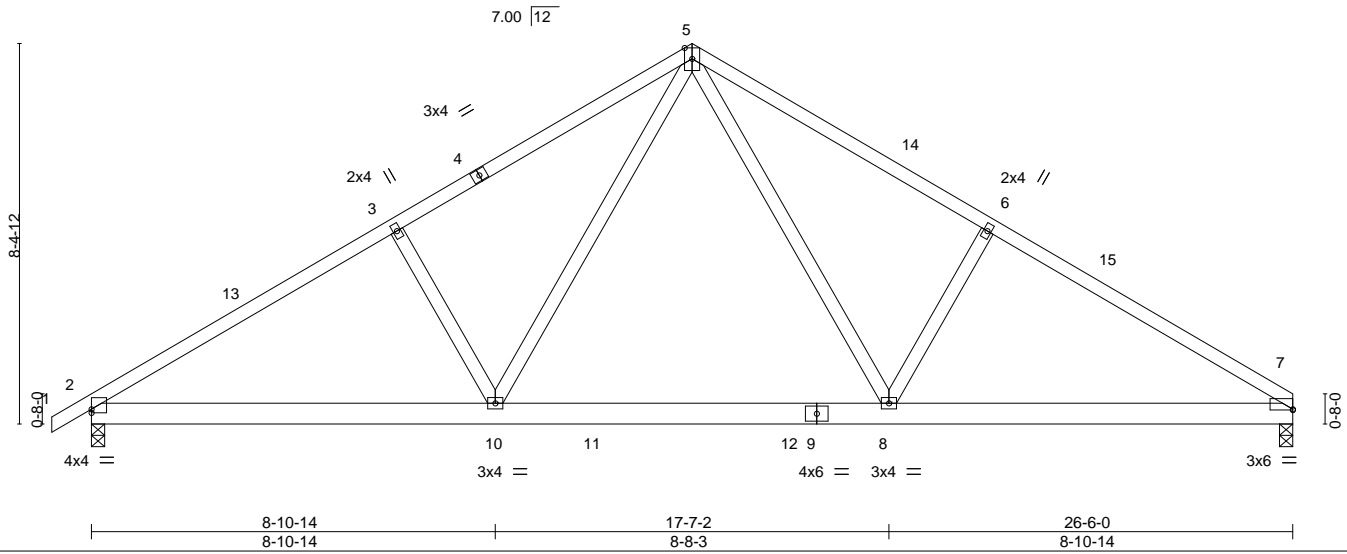


Plate Offsets (X,Y)-- [2:0-0-0,0-0-15], [7:0-0-0,0-0-3]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.52	Vert(LL) -0.11	8-10	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.33	Vert(CT) -0.16	8-10	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.23	Horz(CT) 0.03	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.04	2-10	>999	240		
							Weight: 149 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 4-4-9 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
 Max Horz 2=196(LC 7)
 Max Uplift 2=-99(LC 10), 7=-85(LC 11)
 Max Grav 2=1136(LC 17), 7=1077(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1670/411, 3-5=-1512/463, 5-6=-1517/470, 6-7=-1673/417
 BOT CHORD 2-10=-241/1465, 8-10=-56/963, 7-8=-252/1329
 WEBS 3-10=-383/241, 5-10=-147/706, 5-8=-157/711, 6-8=-392/255

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 8-10-3, Exterior(2) 8-10-3 to 17-7-13, Interior(1) 17-7-13 to 21-11-7, Exterior(2) 21-11-7 to 26-4-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.



June 26, 2020

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818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556349
J0520-2111	B1GE	GABLE	1	1	Job Reference (optional)	

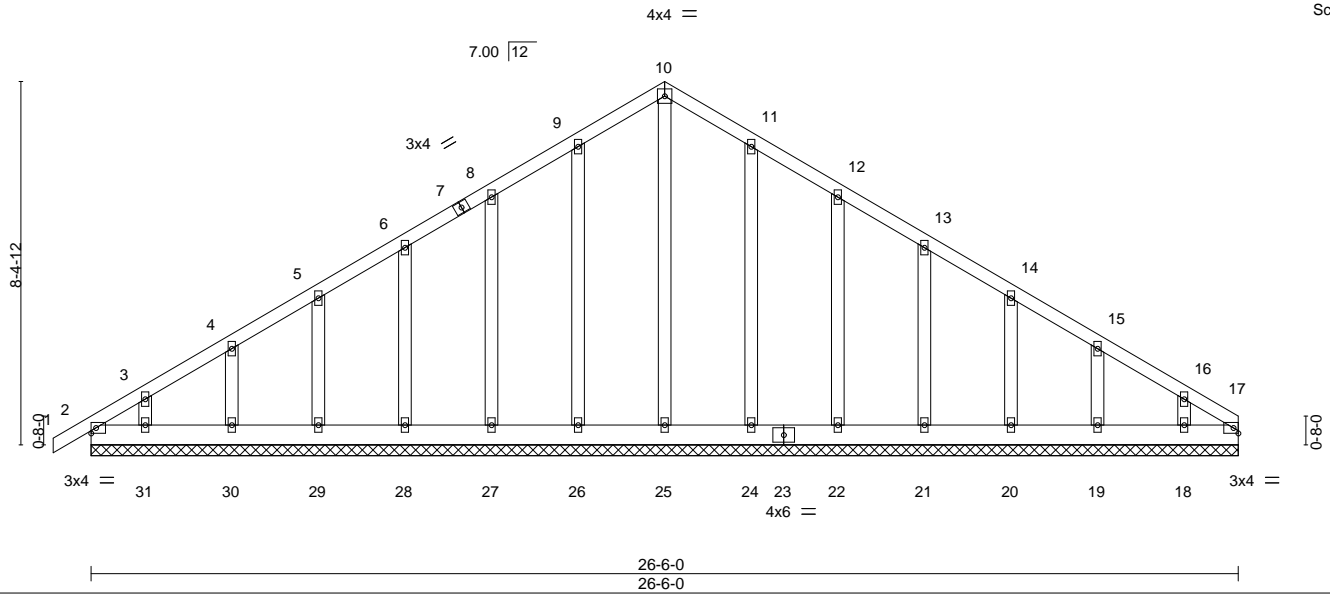
Comtech, Inc., Fayetteville, NC - 28314,

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Scale = 1:53.2



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.04	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.02	Vert(LL) -0.00 1 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.15	Vert(CT) -0.00 1 n/r 120		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 17 n/a n/a		
	Code IRC2015/TPI2014			Weight: 185 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.

REACTIONS.

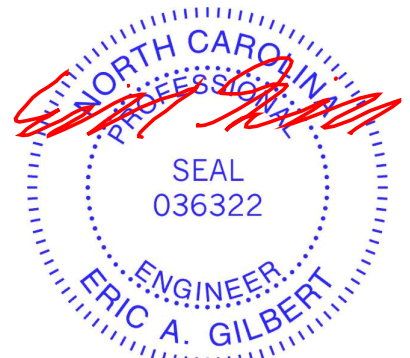
All bearings 26-6-0.
 (lb) - Max Horz 2=244(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 17, 26, 27, 28, 29, 30, 24, 22, 21, 20, 19 except
 31=108(LC 10), 18=113(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 2, 17, 25, 26, 27, 28, 29, 30, 31, 24, 22, 21, 20, 19, 18

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

TOP CHORD 2-3=263/188

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 3-3-0, Exterior(2) 3-3-0 to 8-10-3, Corner(3) 8-10-3 to 17-7-13, Exterior(2) 17-7-13 to 22-1-3, Corner(3) 22-1-3 to 26-6-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 17, 26, 27, 28, 29, 30, 24, 22, 21, 20, 19 except (jt=lb) 31=108, 18=113.



June 26, 2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556350
J0520-2111	B2	ROOF SPECIAL	2	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s May 6 2020 MiTek Industries, Inc. Fri Jun 26 09:18:32 2020 Page 1

ID:nGEYJn1QAngpJfECepmG8Mz?may-81bkZVtZawSfrKV96U4_cYN6BqV11m2mlZrgDz2SX5



Scale = 1:54.1

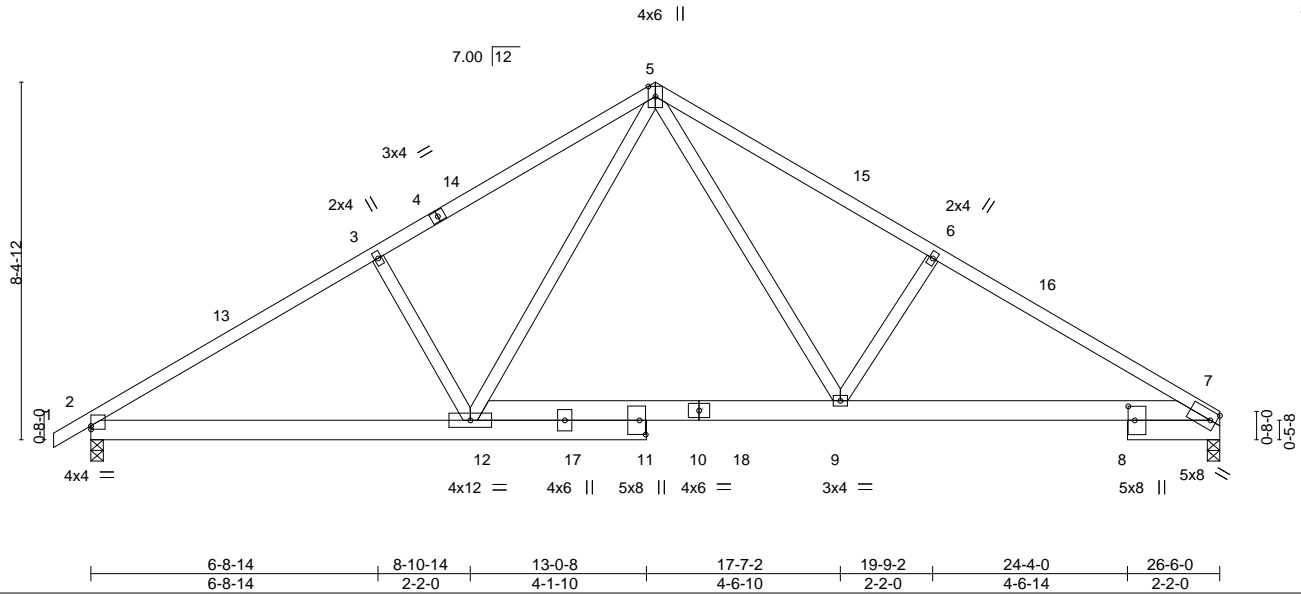


Plate Offsets (X,Y)-- [2:0-0-0,0-0-15], [8:0-3-15,0-1-13], [11:0-4-0,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.51	Vert(LL) -0.10	9-12	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.71	Vert(CT) -0.22	7-9	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.24	Horz(CT) 0.06	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.07	7-9	>999	240		
							Weight: 161 lb	FT = 20%

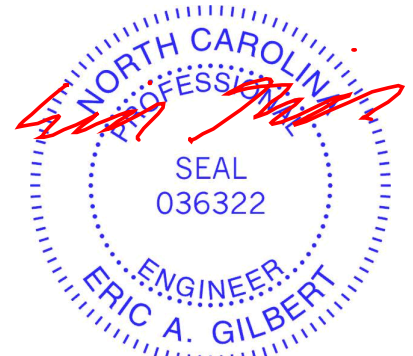
LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-1-11 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 7=0-3-8, 2=0-3-8
 Max Horz 2=196(LC 7)
 Max Uplift 7=85(LC 11), 2=99(LC 10)
 Max Grav 7=1069(LC 18), 2=1127(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1712/420, 3-5=-1528/453, 5-6=-1650/490, 6-7=-1824/449
 BOT CHORD 2-12=-248/1505, 9-12=-60/1006, 7-9=-284/1458
 WEBS 5-12=-130/666, 5-9=-181/839, 3-12=-381/239, 6-9=-387/253

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 8-10-3, Exterior(2) 8-10-3 to 17-7-13, Interior(1) 17-7-13 to 21-11-7, Exterior(2) 21-11-7 to 26-4-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 2.



June 26, 2020

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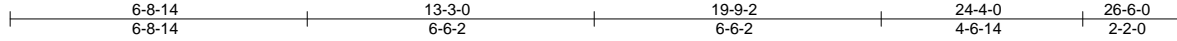
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556351
J0520-2111	B3	ROOF SPECIAL	4	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

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ID:nGEYJn1QAngpJfECepmG8Mz?may-cD97nruBLEaWSU4hjp?JXp5Z6aAimUzC?PJODfz2SX4



4x6 ||

Scale = 1:52.3

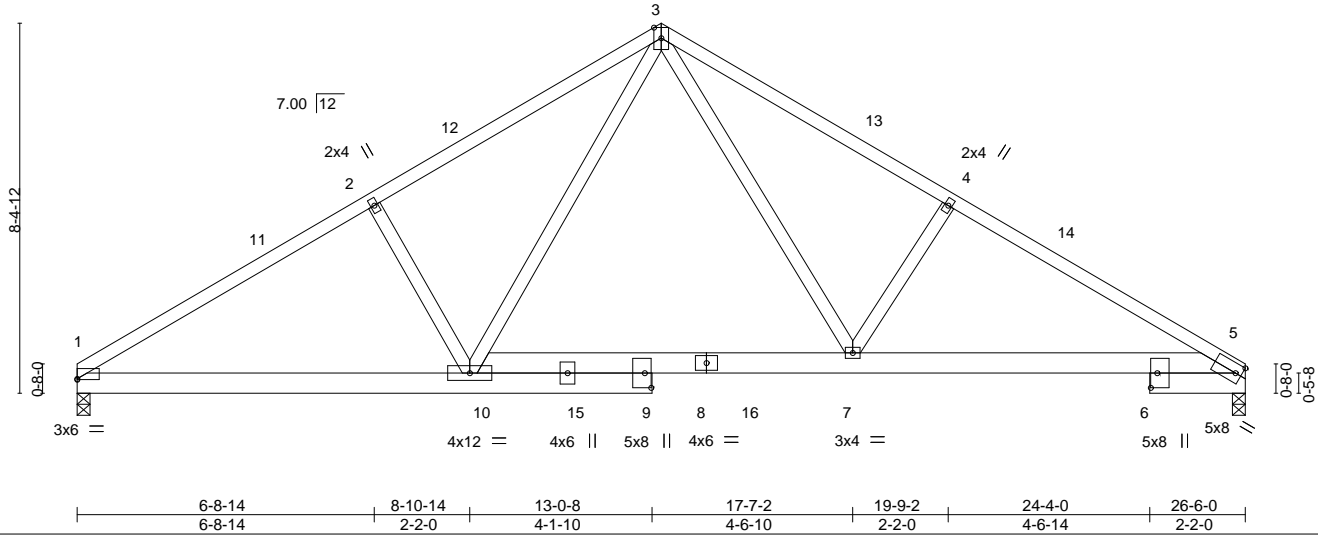


Plate Offsets (X,Y)-- [1:0-0-0,0-0-3], [6:0-4-0,0-1-12], [9:0-4-0,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.50	Vert(LL) -0.10	7-10	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.71	Vert(CT) -0.22	5-7	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.24	Horz(CT) 0.06	5	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.07	5-7	>999	240	Weight: 160 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 4-1-11 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=0-3-8
 Max Horz 1=192(LC 9)
 Max Uplift 1=85(LC 10), 5=85(LC 11)
 Max Grav 1=1069(LC 17), 5=1070(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-1717/432, 2-3=-1533/466, 3-4=-1652/496, 4-5=-1826/455
 BOT CHORD 1-10=-267/1514, 7-10=-64/1007, 5-7=-290/1460
 WEBS 3-10=-142/670, 3-7=-183/840, 2-10=-390/255, 4-7=-387/253

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; 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 8-10-3, Exterior(2) 8-10-3 to 17-7-13, Interior(1) 17-7-13 to 21-11-7, Exterior(2) 21-11-7 to 26-4-4 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 100 lb uplift at joint(s) 1, 5.



June 26, 2020

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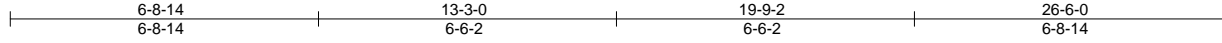


818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556352
J0520-2111	B4	FINK	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314, 8.330 s May 6 2020 MiTek Industries, Inc. Fri Jun 26 09:18:34 2020 Page 1

ID:nGEYJn1QAngpJfECepmG8Mz?may-4QiV_Bup6XiN4eetGXWY41eks_cxVwRLE32yl5z2SX3



4x6 ||

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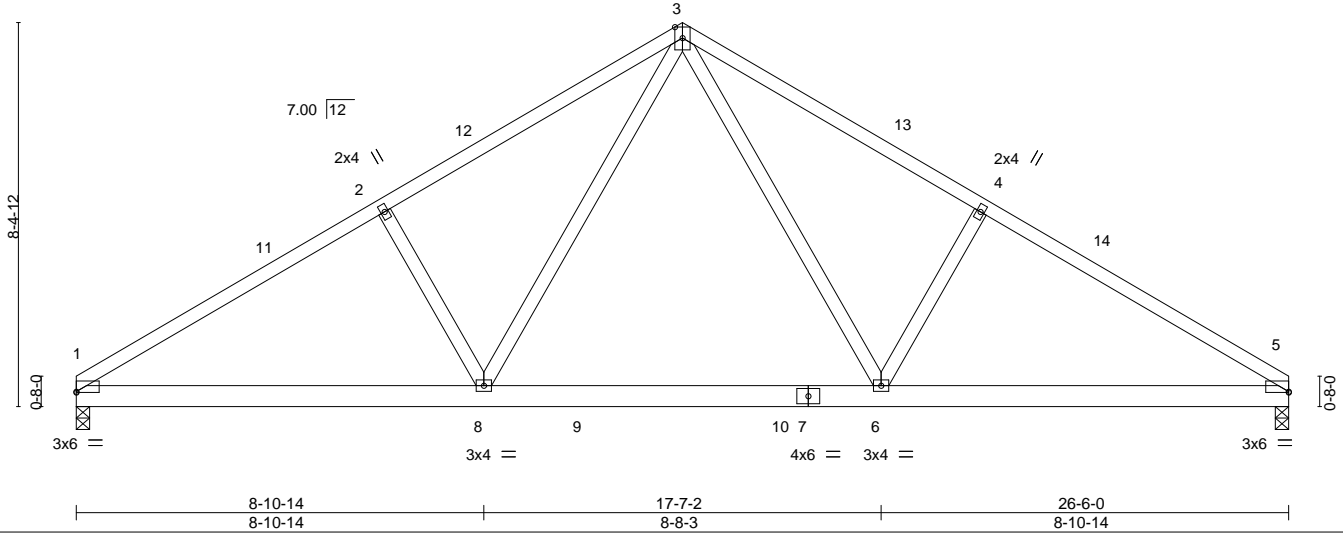


Plate Offsets (X,Y)-- [1:0-0-0,0-0-3], [5:Edge,0-0-3]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.50	Vert(LL) -0.11	6-8	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.33	Vert(CT) -0.16	6-8	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.23	Horz(CT) 0.03	5	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.03	1-8	>999	240		
							Weight: 147 lb	FT = 20%

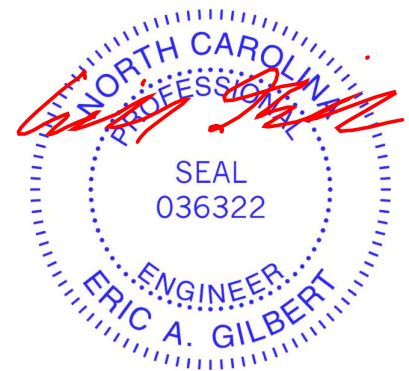
LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-4-9 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=0-3-8
 Max Horz 1=-192(LC 6)
 Max Uplift 1=-85(LC 10), 5=-85(LC 11)
 Max Grav 1=1078(LC 17), 5=1078(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-1675/421, 2-3=-1518/474, 3-4=-1518/474, 4-5=-1675/421
 BOT CHORD 1-8=-255/1474, 6-8=-58/964, 5-6=-255/1330
 WEBS 2-8=-392/256, 3-8=-158/712, 3-6=-158/712, 4-6=-392/256

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; 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 8-10-3, Exterior(2) 8-10-3 to 17-7-13, Interior(1) 17-7-13 to 21-11-7, Exterior(2) 21-11-7 to 26-4-4 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 100 lb uplift at joint(s) 1, 5.



June 26, 2020

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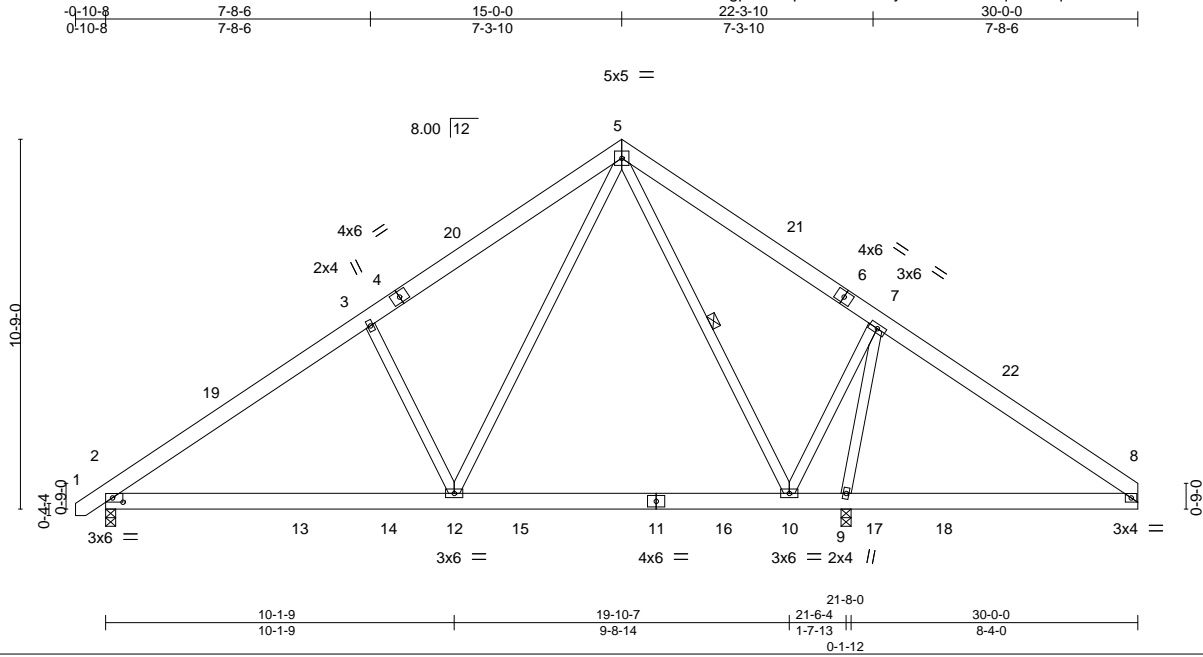
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556353
J0520-2111	C1	FINK	2	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

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ID:nGEYJn1QAngpJfECepmG8Mz?may-YcGtCXvRtrqEinD4qE1ncEAX3OxtEFVUTjoVHYz2SX2



Scale = 1:67.0

Plate Offsets (X,Y)-- [2:0-3-10,0-1-8]

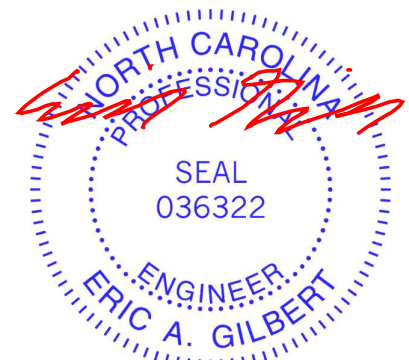
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.34	Vert(LL) -0.11	10-12	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.41	Vert(CT) -0.16	10-12	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.75	Horz(CT) 0.01	9	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.03	2-12	>999	240	Weight: 214 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6'-0-0 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 6'-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 5-10

REACTIONS. (size) 2=0-3-8, 9=0-3-8
 Max Horz 2=249(LC 7)
 Max Uplift 2=86(LC 10), 9=130(LC 11)
 Max Grav 2=896(LC 17), 9=1783(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1055/125, 3-5=-932/213, 5-7=-167/402, 7-8=-386/560
 BOT CHORD 2-12=-124/967, 10-12=-20/353, 9-10=-590/470, 8-9=-358/394
 WEBS 3-12=-510/311, 5-12=-205/975, 5-10=-907/405, 7-10=-54/1134, 7-9=-1630/437

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-12 to 3-8-1, Interior(1) 3-8-1 to 10-7-3, Exterior(2) 10-7-3 to 19-4-13 to 25-7-3, Exterior(2) 25-7-3 to 30-0-0 zone; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 9=130.



June 26, 2020

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556354
J0520-2111	C1GE	GABLE	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s May 6 2020 MiTek Industries, Inc. Fri Jun 26 09:18:36 2020 Page 1

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Scale = 1:67.5

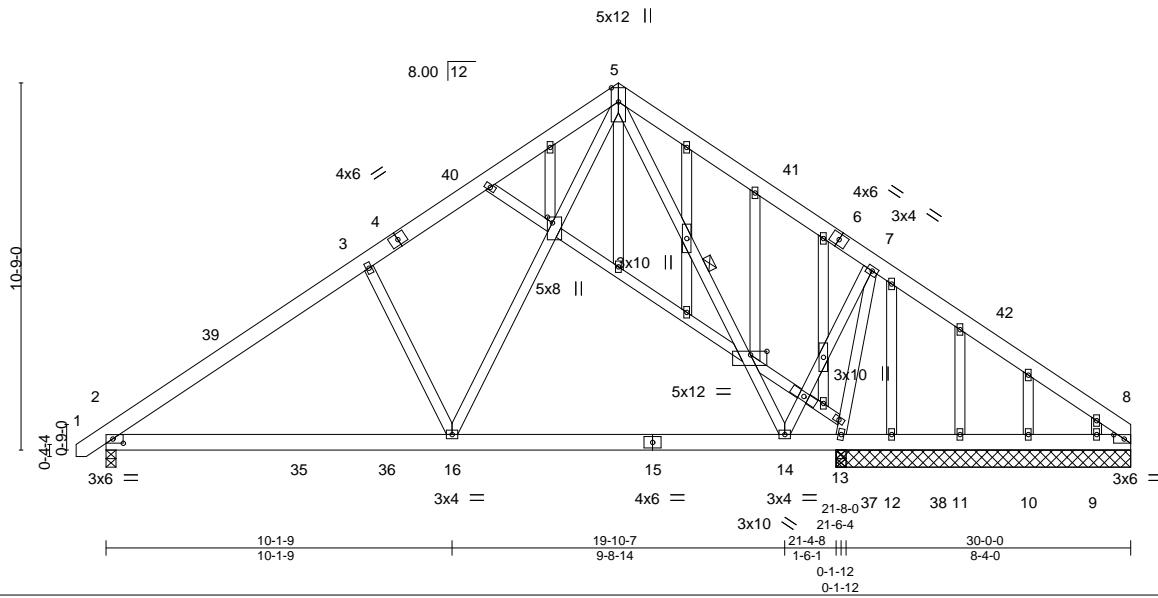


Plate Offsets (X,Y)-- [2:0-3-10,0-1-8], [8:0-3-10,0-1-8], [18:0-2-0,0-1-12], [19:0-5-12,0-1-4]

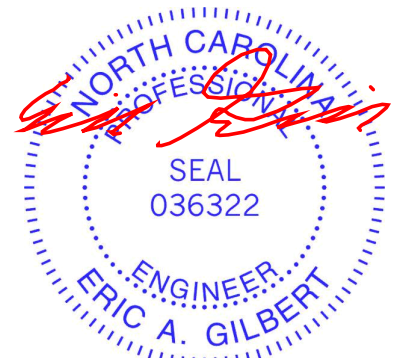
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.25	Vert(LL)	-0.08	2-16	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.34	Vert(CT)	-0.15	2-16	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.64	Horz(CT)	0.01	8	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL)	0.04	2-16	>999		
	Code IRC2015/TPI2014						Weight: 279 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 5-14
OTHERS 2x4 SP No.2	

REACTIONS. All bearings 8-7-8 except (jt=length) 2=0-3-8, 13=0-3-8, 13=0-3-8, 13=0-3-8.
 (lb) - Max Horz 2=312(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) except 2=217(LC 10), 13=340(LC 11), 12=106(LC 1), 9=149(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 8, 12, 11, 10, 9 except 2=965(LC 17), 13=1124(LC 1), 13=1124(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1146/272, 3-5=-1026/369, 5-7=-477/229, 7-8=-377/58
 BOT CHORD 2-16=-283/1078, 14-16=-55/513
 WEBS 3-16=-501/394, 5-16=-286/841, 5-14=-489/146, 7-14=-6/509, 7-13=-952/277

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-12 to 3-8-1, Interior(1) 3-8-1 to 10-7-3, Exterior(2) 10-7-3 to 19-4-13, Interior(1) 19-4-13 to 25-7-3, Exterior(2) 25-7-3 to 30-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - 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 217 lb uplift at joint 2, 340 lb uplift at joint 13, 106 lb uplift at joint 12 and 149 lb uplift at joint 9.



June 26, 2020

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ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556355
J0520-2111	C2	FINK	1	2	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s May 6 2020 MiTek Industries, Inc. Fri Jun 26 09:18:37 2020 Page 1

ID:nGEYJn1QAAnpJfECepmG8Mz?may-V?OdcXciPS4yx5NSyf3FhfGK7CbkiBbnw1HcMQz2SX0

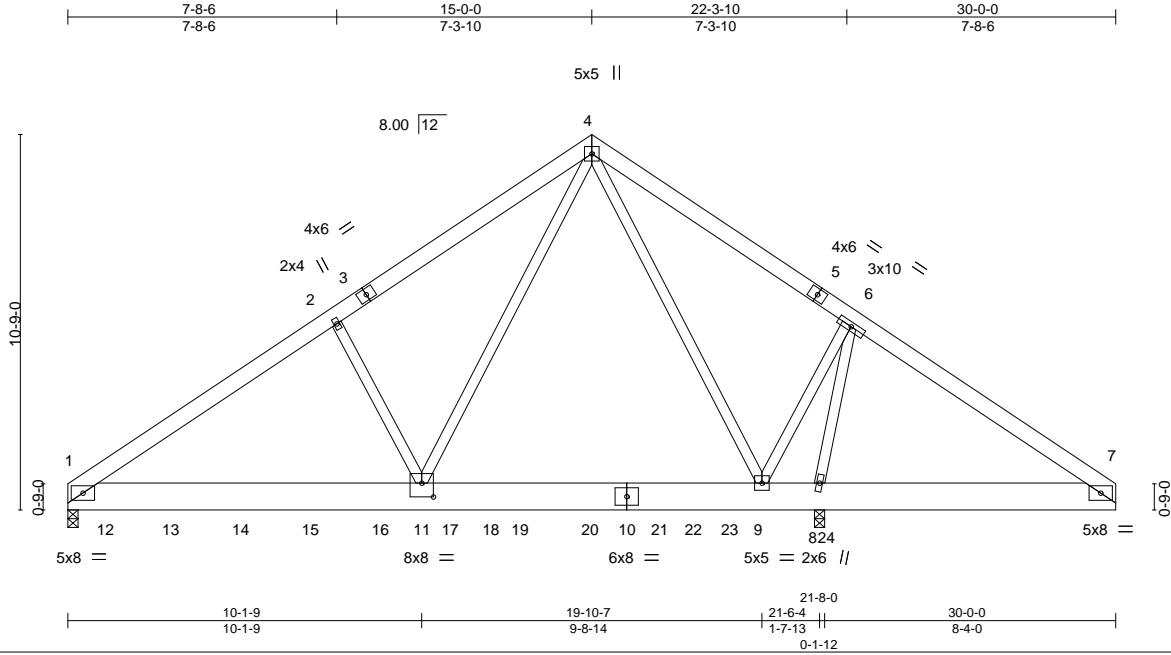


Plate Offsets (X,Y)-- [11:0-4-0,0-4-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.18	Vert(LL)	-0.06 9-11	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.45	Vert(CT)	-0.11 9-11	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.61	Horz(CT)	0.01 8	n/a	n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-S	Wind(LL)	0.03 9-11	>999	240		
	Code IRC2015/TPI2014						Weight: 515 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x10 SP No.1	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 1=0-3-8, 8=0-3-8
 Max Horz 1=242(LC 24)
 Max Uplift 1=151(LC 8), 8=124(LC 9)
 Max Grav 1=2554(LC 19), 8=3840(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=3003/212, 2-4=2828/295, 4-6=701/250, 6-7=126/400
 BOT CHORD 1-11=199/2408, 9-11=70/1007, 8-9=786/137
 WEBS 2-11=452/264, 4-11=227/2830, 4-9=1359/83, 6-9=27/2620, 6-8=3288/210

- 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.
 Webs connected as follows: 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 (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); cantilever right exposed; 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 151 lb uplift at joint 1 and 124 lb uplift at joint 8.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 310 lb down and 23 lb up at 1-0-12, 309 lb down and 24 lb up at 2-11-4, 309 lb down and 24 lb up at 4-11-4, 309 lb down and 24 lb up at 6-11-4, 309 lb down and 24 lb up at 8-11-4, 309 lb down and 24 lb up at 10-11-4, 393 lb down and 41 lb up at 12-11-4, 466 lb down and 21 lb up at 14-11-4, 466 lb down and 21 lb up at 16-11-4, and 466 lb down and 21 lb up at 18-11-4, and 330 lb down at 20-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-7=-20, 1-4=-60, 4-7=-60



Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556355
J0520-2111	C2	FINK	1	2	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s May 6 2020 MiTek Industries, Inc. Fri Jun 26 09:18:38 2020 Page 2
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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 12=-310(B) 13=-309(B) 14=-309(B) 15=-309(B) 16=-309(B) 17=-309(B) 19=-393(B) 20=-466(B) 21=-466(B) 23=-466(B) 24=-330(B)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCS1 Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



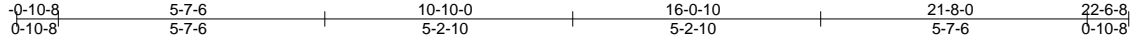
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556356
J0520-2111	D1	QUEENPOST	1	1	Job Reference (optional)	

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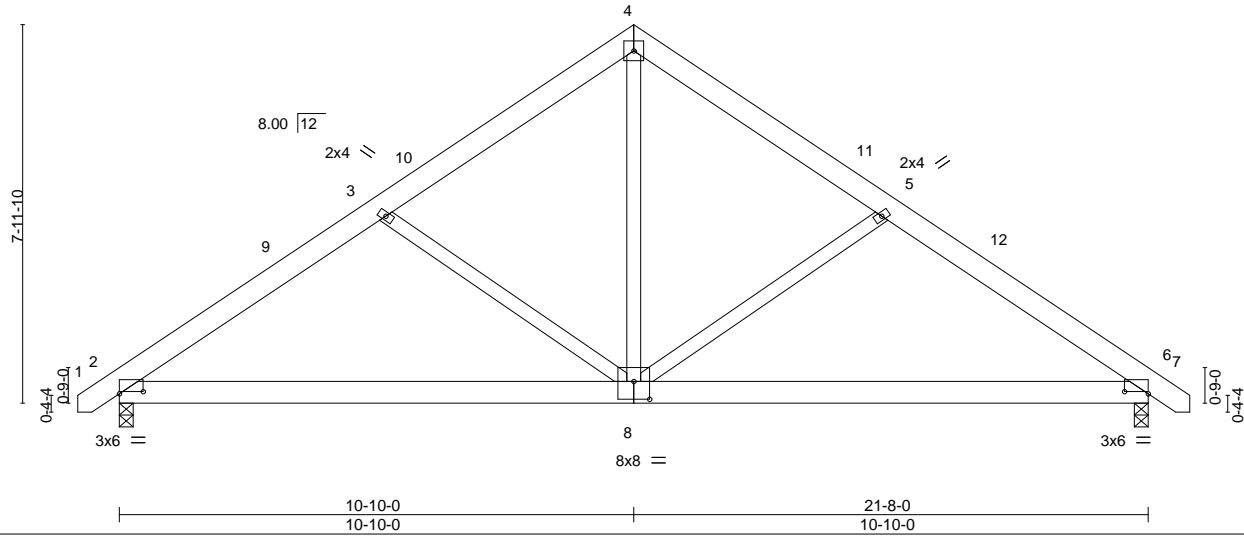


Plate Offsets (X,Y)-- [2:0-6-0,0-0-9], [6:0-6-0,0-0-9], [8:0-4-0,0-4-8]

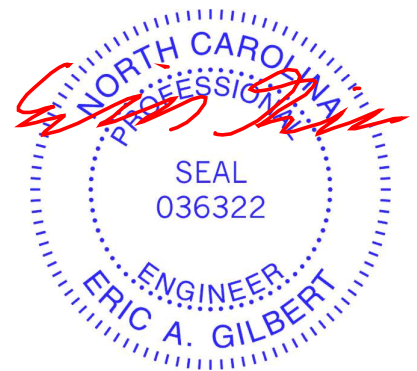
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	Vert(LL)	-0.07	6-8	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.38	Vert(CT)	-0.14	6-8	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.26	Horz(CT)	0.02	6	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL)	0.02	2-8	>999		
	Code IRC2015/TPI2014						Weight: 146 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 2=0-3-8, 6=0-3-8
 Max Horz 2=-185(LC 8)
 Max Uplift 2=-78(LC 10), 6=-78(LC 11)
 Max Grav 2=907(LC 1), 6=907(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1146/338, 3-4=-890/296, 4-5=-890/296, 5-6=-1146/338
 BOT CHORD 2-8=-163/917, 6-8=-163/882
 WEBS 3-8=-363/232, 4-8=-151/678, 5-8=-363/232

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-12 to 3-8-1, Interior(1) 3-8-1 to 6-5-3, Exterior(2) 6-5-3 to 15-2-13, Interior(1) 15-2-13 to 17-11-15, Exterior(2) 17-11-15 to 22-4-12 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 78 lb uplift at joint 2 and 78 lb uplift at joint 6.

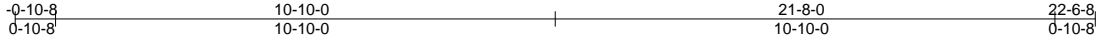


Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556357
J0520-2111	D1GE	GABLE	1	1	Job Reference (optional)	

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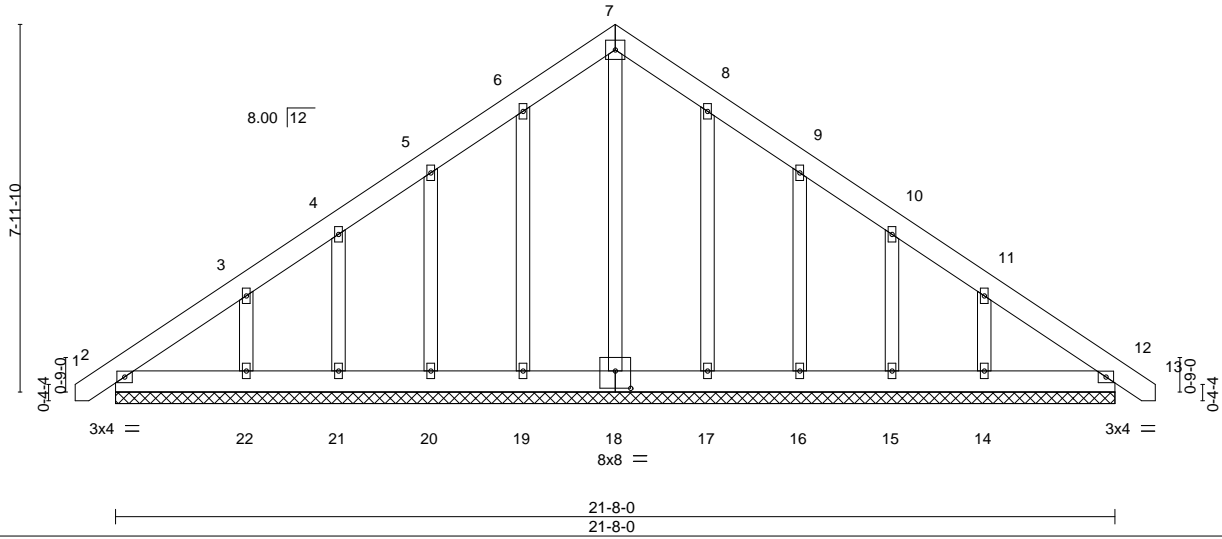


Plate Offsets (X,Y)-- [18:0-4-0,0-4-8]

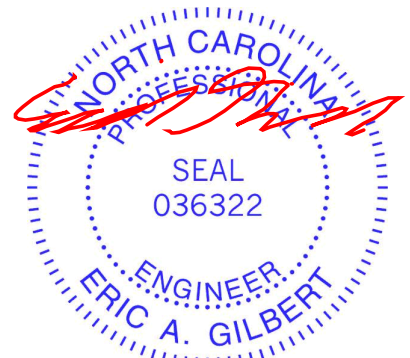
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.03	Vert(LL)	0.00	12	n/r	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.02	Vert(CT)	0.00	12	n/r		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.12	Horz(CT)	0.00	12	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S						
	Code IRC2015/TPI2014						Weight: 172 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.2	

REACTIONS. All bearings 21-8-0.
 (lb) - Max Horz 2=-231(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 19, 21, 17, 15 except 20=-101(LC 10), 22=-146(LC 10), 16=-103(LC 11), 14=-143(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 2, 12, 18, 19, 20, 21, 17, 16, 15 except 22=255(LC 17), 14=251(LC 18)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-8-12 to 3-8-1, Exterior(2) 3-8-1 to 6-5-3, Corner(3) 6-5-3 to 15-2-13, Exterior(2) 15-2-13 to 17-11-15, Corner(3) 17-11-15 to 22-4-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 19, 21, 17, 15 except (jt=lb) 20=101, 22=146, 16=103, 14=143.



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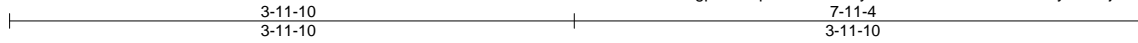


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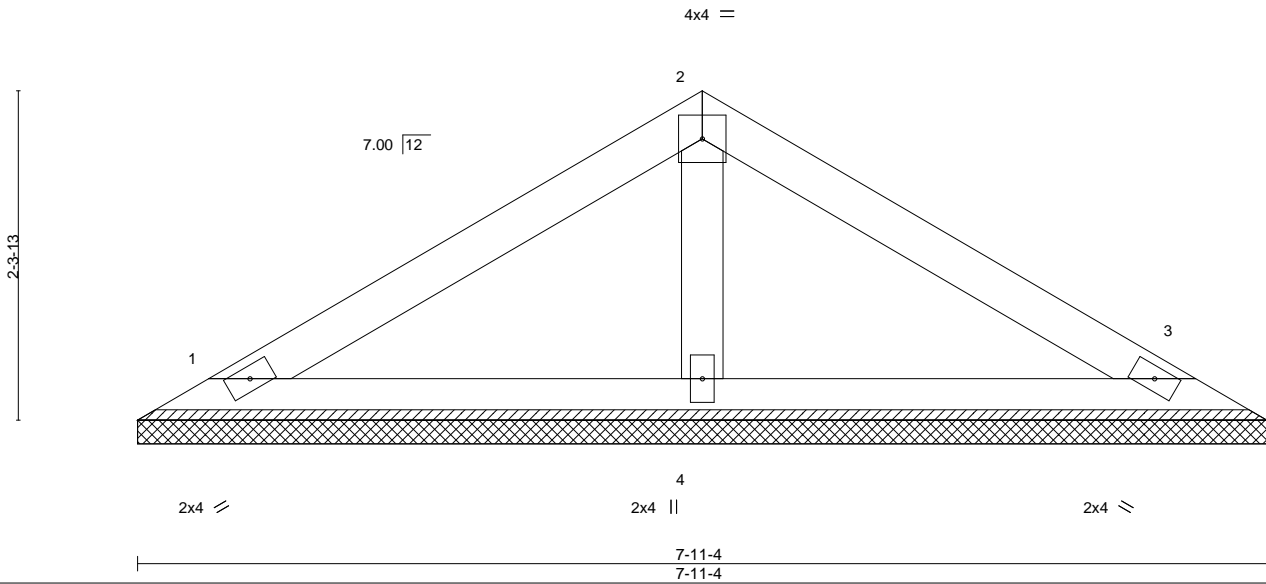
Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556358
J0520-2111	VB1	VALLEY	1	1	Job Reference (optional)	

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 ID:nGEYJn1QAngpJfECepmG8Mz?may-va4mFEzaiNTXoZ61dodyJlrbPJ4vh7Dc?VGxlz2SWz



Scale = 1:16.2



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.16	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.09	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 3 n/a n/a		
	Code IRC2015/TPI2014			Weight: 26 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.

REACTIONS. (size) 1=7-11-4, 3=7-11-4, 4=7-11-4
 Max Horz 1=48(LC 7)
 Max Uplift 1=26(LC 10), 3=30(LC 11)
 Max Grav 1=144(LC 1), 3=144(LC 1), 4=260(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

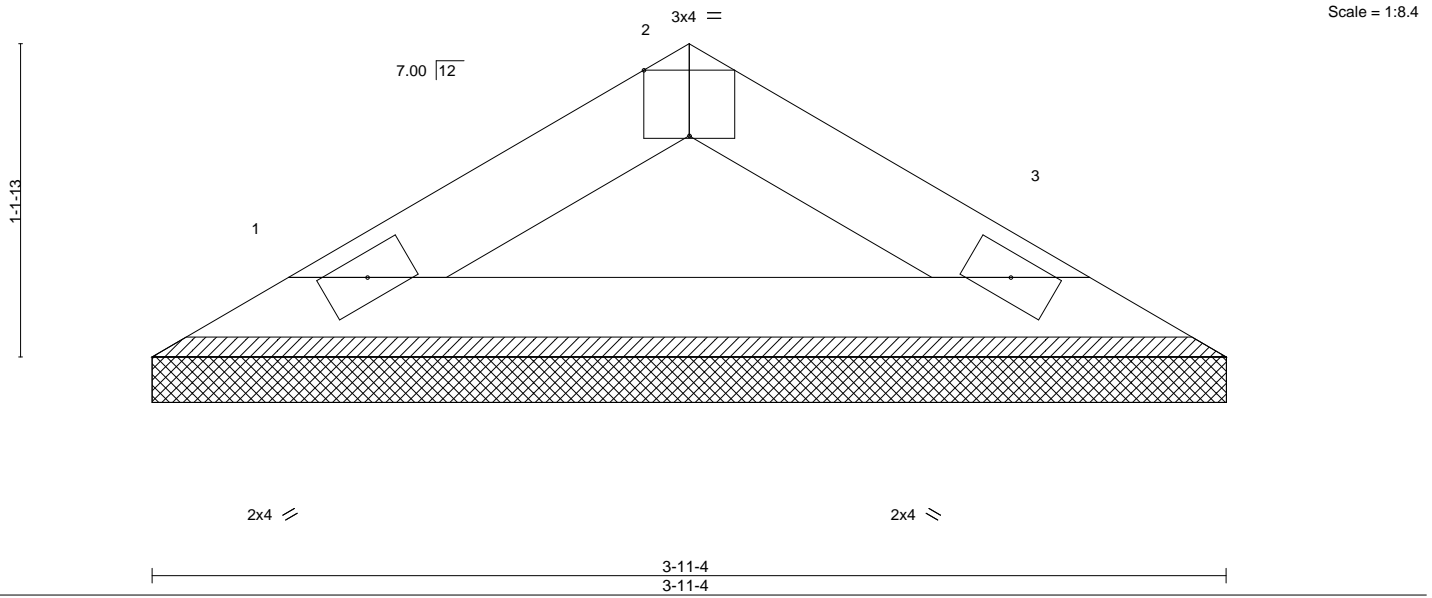
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Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556359
J0520-2111	VB2	VALLEY	1	1		

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 3-11-4 1-11-10 1-11-10



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	n/a	MT20	244/190		
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00			Weight: 11 lb	FT = 20%
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-P							

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-11-4 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=3-11-4, 3=3-11-4
 Max Horz 1=20(LC 9)
 Max Uplift 1=9(LC 10), 3=9(LC 11)
 Max Grav 1=114(LC 1), 3=114(LC 1)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; 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
 - Gable requires continuous bottom chord bearing.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556360
J0520-2111	VC1	VALLEY	1	1	Job Reference (optional)	

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8.330 s May 6 2020 MiTek Industries, Inc. Fri Jun 26 09:18:41 2020 Page 1

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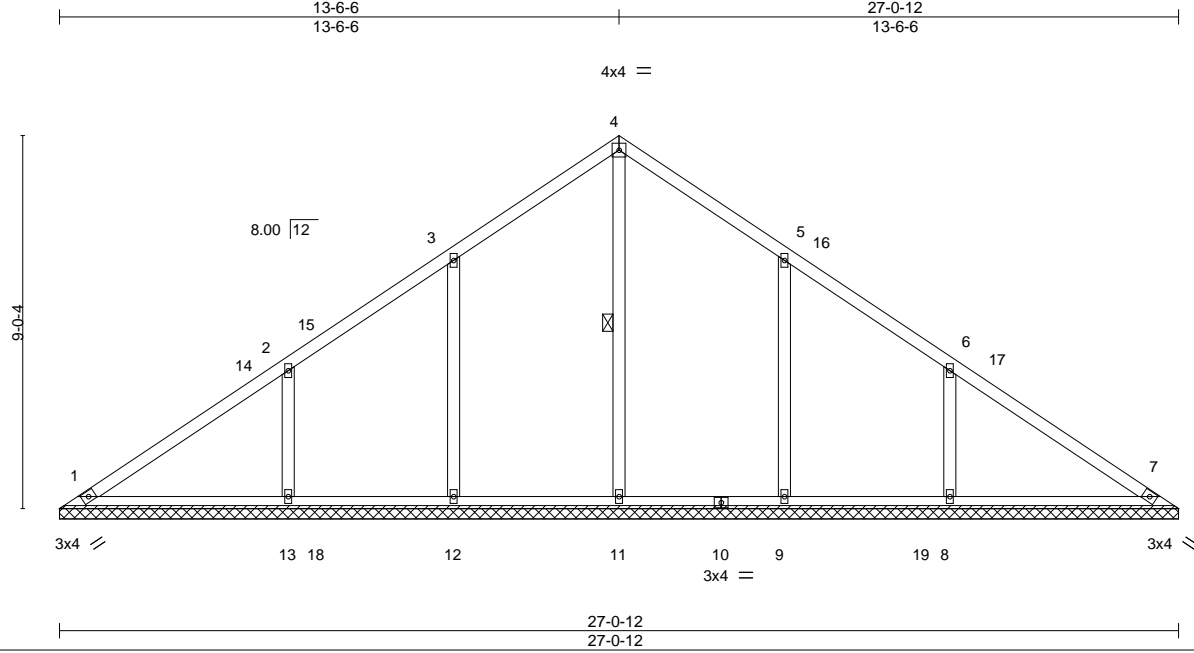


Plate Offsets (X,Y)-- [5:0-0-0,0-0-0], [6:0-0-0,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.24	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.16	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.18	Horz(CT)	0.00	7	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S					Weight: 126 lb	FT = 20%
	Code IRC2015/TPI2014							

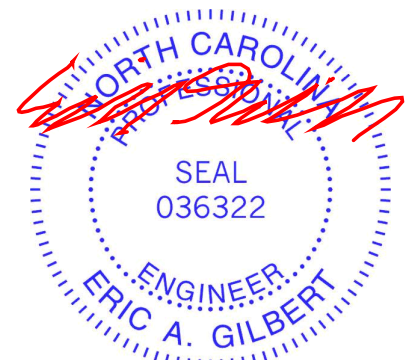
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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.
WEBS 1 Row at midpt 4-11

REACTIONS. All bearings 27-0-12.
(lb) - Max Horz 1=209(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 1, 12, 9 except 13=132(LC 10), 8=132(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=445(LC 20), 12=517(LC 17), 13=509(LC 17), 9=517(LC 18), 8=510(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-12=281/180, 2-13=374/231, 5-9=281/180, 6-8=374/231

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-12 to 4-10-9, Interior(1) 4-10-9 to 9-1-9, Exterior(2) 9-1-9 to 17-11-3, Interior(1) 17-11-3 to 22-2-3, Exterior(2) 22-2-3 to 26-7-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are 2x4 MT20 unless otherwise indicated.
 - 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 100 lb uplift at joint(s) 1, 12, 9 except (jt=lb) 13=132, 8=132.
 - Non Standard bearing condition. Review required.



June 26,2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



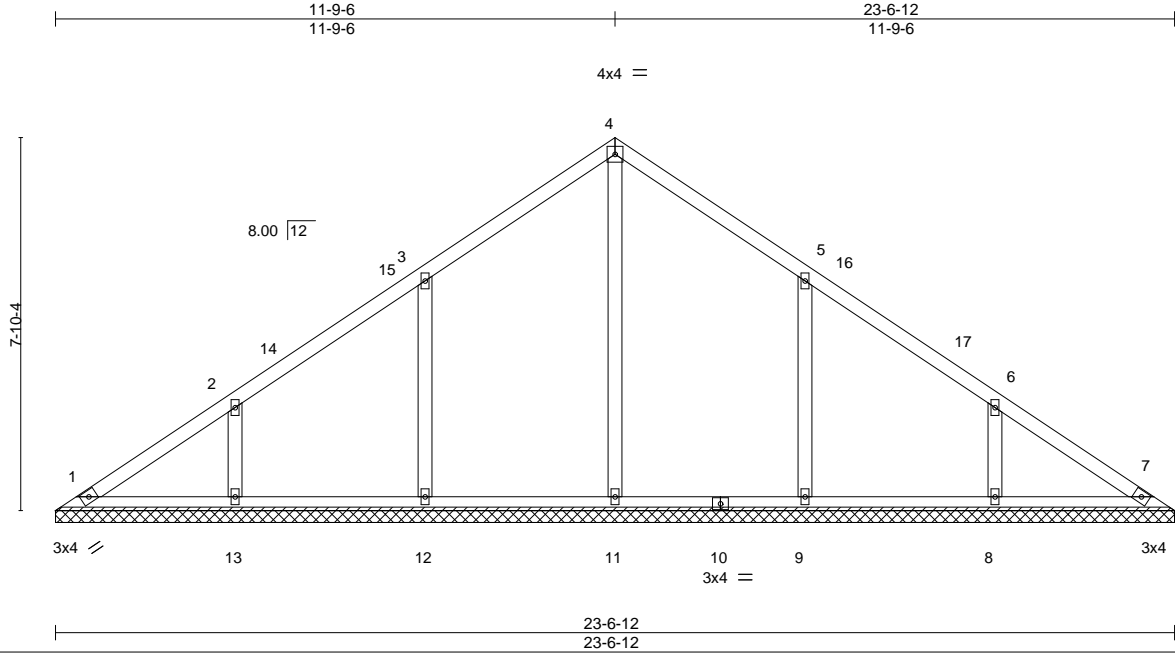
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556361
J0520-2111	VC2	VALLEY	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s May 6 2020 MiTek Industries, Inc. Fri Jun 26 09:18:42 2020 Page 1

ID:nGEYJn1QAngpJfECepmG8Mz?may-ryBWgw?qE?jF2sGQkCfQOjzBHDOzNZIW4J_N0ez2SWx



Scale = 1:48.5

Plate Offsets (X,Y)-- [5:0-0-0,0-0-0], [6:0-0-0,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.15	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.19	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.17	Horz(CT)	0.00	7	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S					Weight: 106 lb	FT = 20%
	Code IRC2015/TPI2014							

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.

REACTIONS. All bearings 23-6-12.
 (lb) - Max Horz 1=181(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 8 except 12=110(LC 10), 9=110(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=454(LC 20), 12=449(LC 17), 13=332(LC 17), 9=449(LC 18), 8=333(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 3-12=310/201, 2-13=286/188, 5-9=309/201, 6-8=286/188

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-12 to 4-10-9, Interior(1) 4-10-9 to 7-4-9, Exterior(2) 7-4-9 to 16-2-3, Interior(1) 16-2-3 to 18-8-3, Exterior(2) 18-8-3 to 23-1-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are 2x4 MT20 unless otherwise indicated.
 - 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 100 lb uplift at joint(s) 1, 13, 8 except (jt=lb) 12=110, 9=110.
 - Non Standard bearing condition. Review required.



June 26, 2020

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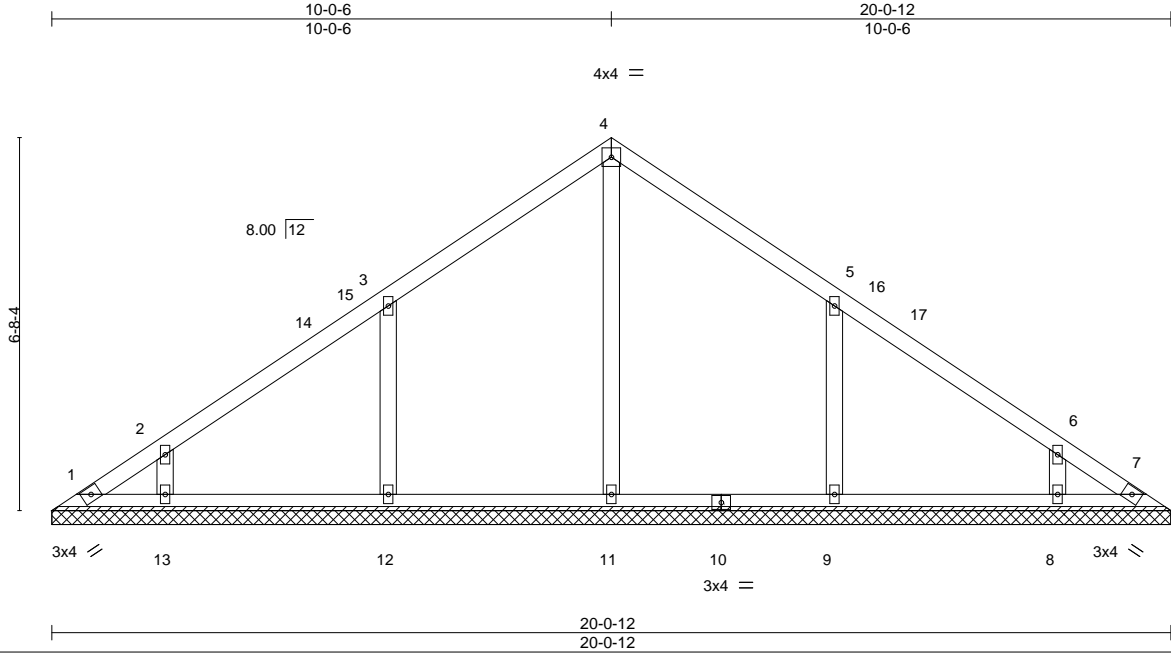


818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556362
J0520-2111	VC3	VALLEY	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s May 6 2020 MiTek Industries, Inc. Fri Jun 26 09:18:43 2020 Page 1
ID:nGEYJn1QAngpJfECepmG8Mz?may-J8lvtG?T?lr6f0qclwAfxwVLvcjE61MglzkwY4z2Sww



Scale = 1:41.3

Plate Offsets (X,Y)-- [5:0-0-0,0-0-0], [6:0-0-0,0-0-0]

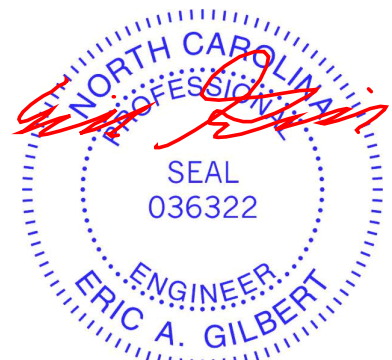
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.16	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.19	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.12	Horz(CT)	0.00	7	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S					Weight: 86 lb	FT = 20%
	Code IRC2015/TPI2014							

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.2	

REACTIONS. All bearings 20-0-12.
 (lb) - Max Horz 1=153(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 13, 8 except 12=114(LC 10), 9=114(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=445(LC 17), 12=463(LC 17), 13=262(LC 17), 9=462(LC 18), 8=262(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 3-12=319/218, 5-9=318/218

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-12 to 4-10-9, Interior(1) 4-10-9 to 5-7-9, Exterior(2) 5-7-9 to 14-5-3, Interior(1) 14-5-3 to 15-2-3, Exterior(2) 15-2-3 to 19-7-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) All plates are 2x4 MT20 unless otherwise indicated.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 13, 8 except (jt=lb) 12=114, 9=114.
 - 7) Non Standard bearing condition. Review required.



June 26,2020

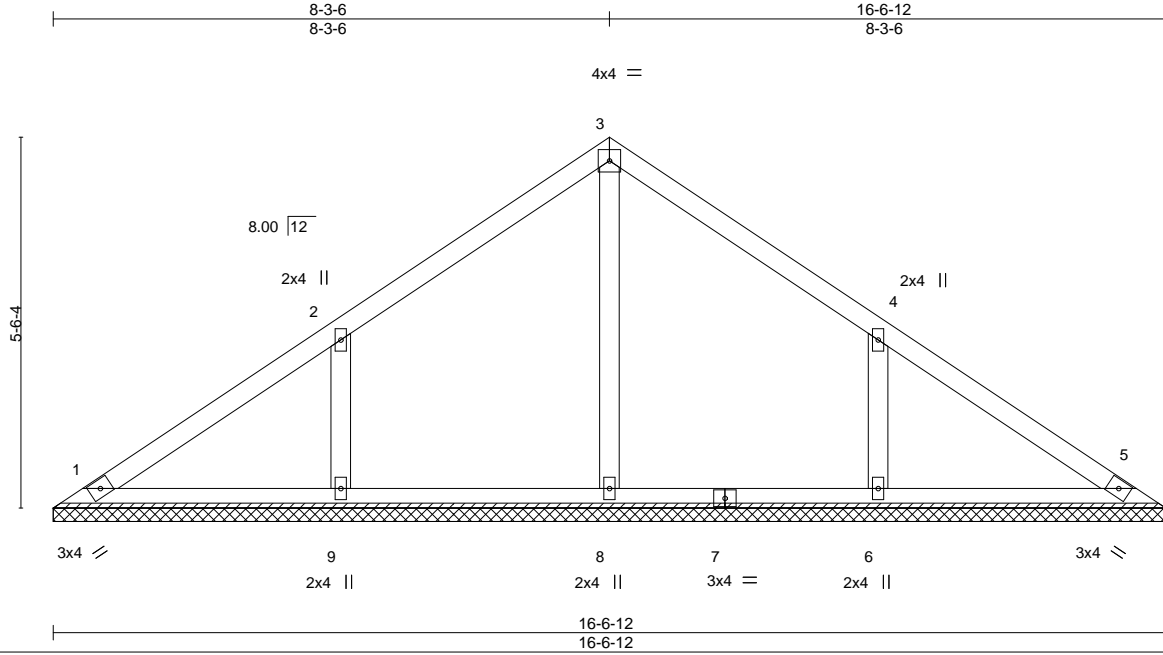
Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556363
J0520-2111	VC4	VALLEY	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s May 6 2020 MiTek Industries, Inc. Fri Jun 26 09:18:44 2020 Page 1

ID:nGEYJn1QAngpJfECepmG8Mz?may-oLJH5c05mczyHAPosdhuT82We04xrUEpXcTT4Wz2SWw

16-6-12



Scale = 1:34.3

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.16	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.09	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code	IRC2015/TPI2014	Matrix-S					Weight: 67 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.

REACTIONS. All bearings 16-6-12.
(lb) - Max Horz 1=-125(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 9=-120(LC 10), 6=-120(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 8 except 9=396(LC 17), 6=396(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-331/233, 4-6=-331/233

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (it=lb) 9=120, 6=120.
 - 6) Non Standard bearing condition. Review required.



June 26,2020

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ENGINEERING BY
TRENCO
A MiTek Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556364
J0520-2111	VC5	VALLEY	1	1		

Comtech, Inc., Fayetteville, NC - 28314, 8.330 s May 6 2020 MiTek Industries, Inc. Fri Jun 26 09:18:45 2020 Page 1
 ID:nGEYJn1QAnpJfECepmG8Mz?may-GXtfix1jXw5pvK_?PLD70LbisQQDayzmGD1dyz2SWu
 13-0-12 6-6-6

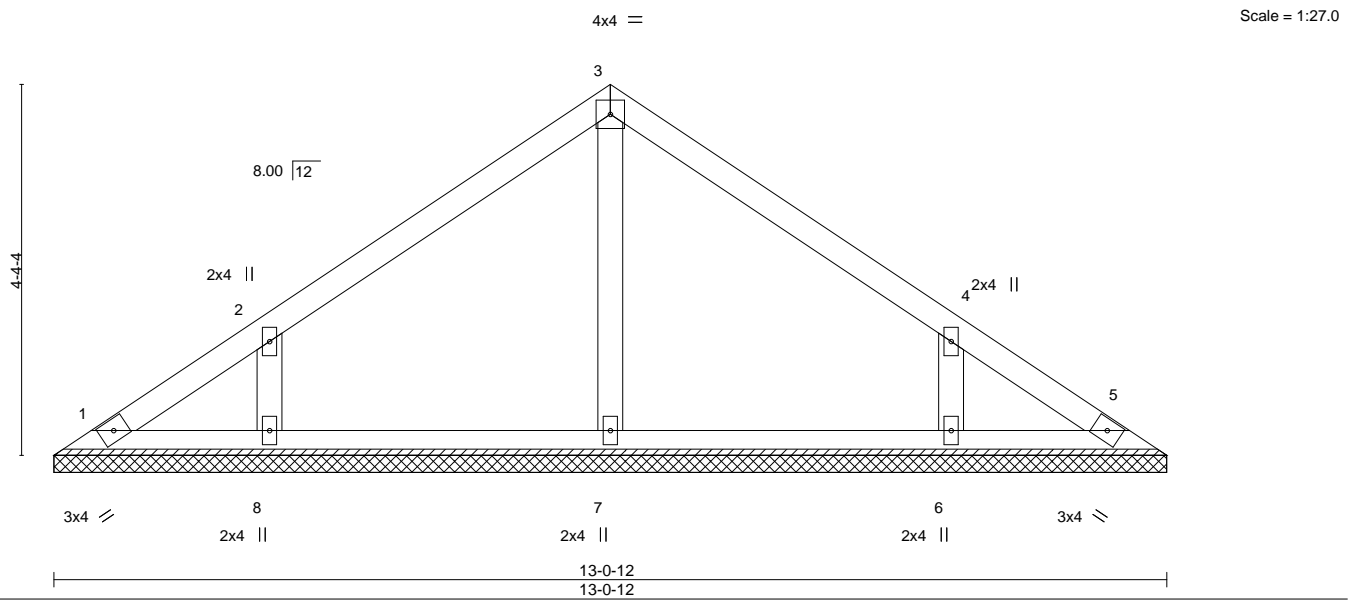


Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.13	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.09	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code	IRC2015/TPI2014	Matrix-S					Weight: 50 lb	FT = 20%

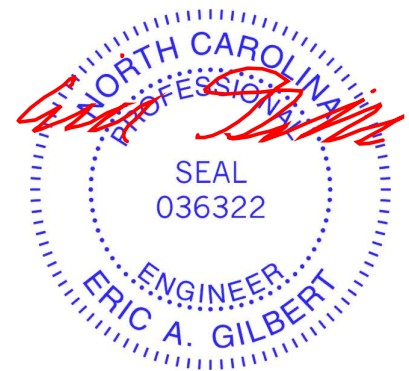
LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 OTHERS 2x4 SP No.2

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.

REACTIONS. All bearings 13-0-12.
 (lb) - Max Horz 1=97(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=100(LC 10), 6=100(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=264(LC 1), 8=319(LC 17), 6=319(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 2-8=279/204, 4-6=279/204

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=100, 6=100.
 - 6) Non Standard bearing condition. Review required.



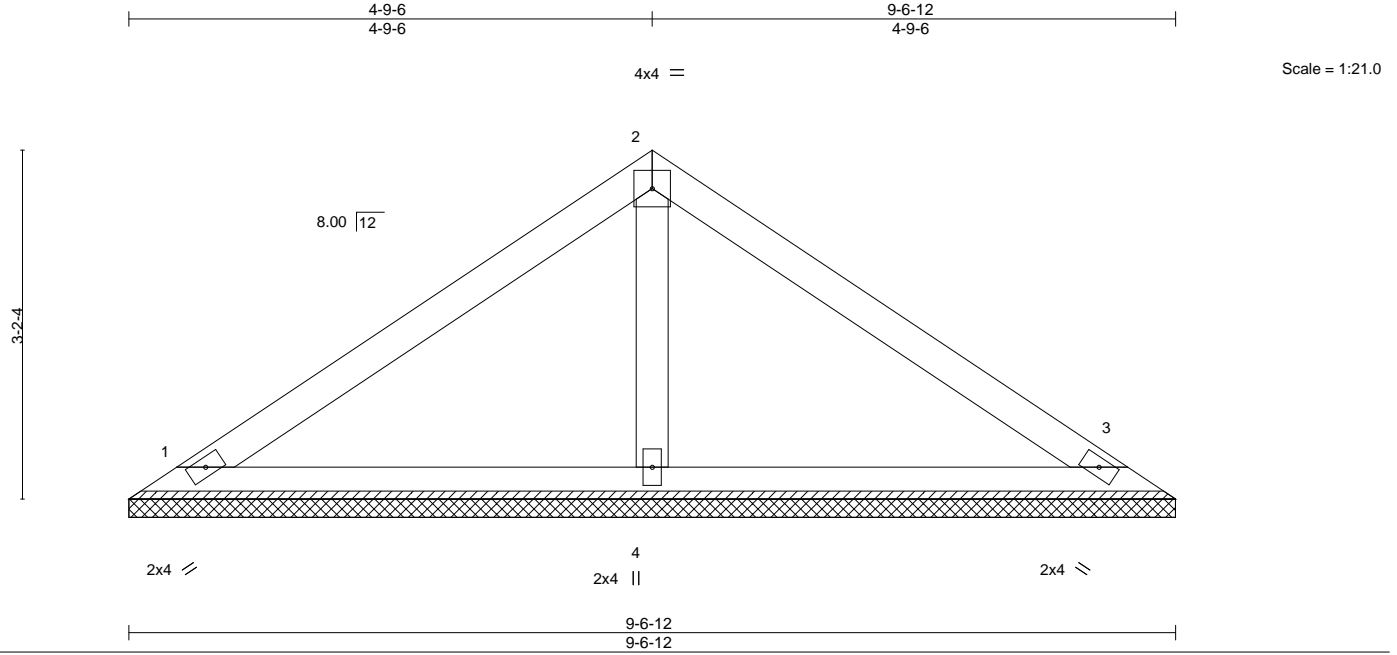
June 26,2020

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556365
J0520-2111	VC6	VALLEY	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

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ID:nGEYJn1QAngpJfECepmG8Mz?may-GXtflx1jXw5pvK_?PLD70LbhuQPuay7zmGD1dyz2SWu



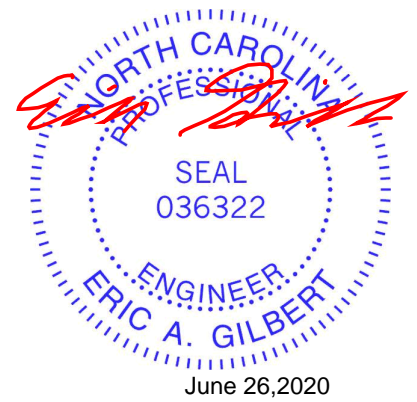
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.19	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.14	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 3 n/a n/a	Weight: 34 lb	FT = 20%
	Code IRC2015/TPI2014				

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.2	

REACTIONS. (size) 1=9-6-12, 3=9-6-12, 4=9-6-12
 Max Horz 1=-69(LC 6)
 Max Uplift 1=-25(LC 10), 3=-31(LC 11), 4=-5(LC 10)
 Max Grav 1=171(LC 1), 3=171(LC 1), 4=347(LC 1)

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
 - 6) Non Standard bearing condition. Review required.

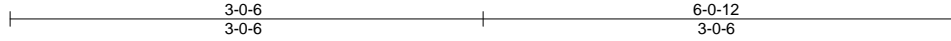


Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556366
J0520-2111	VC7	VALLEY	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

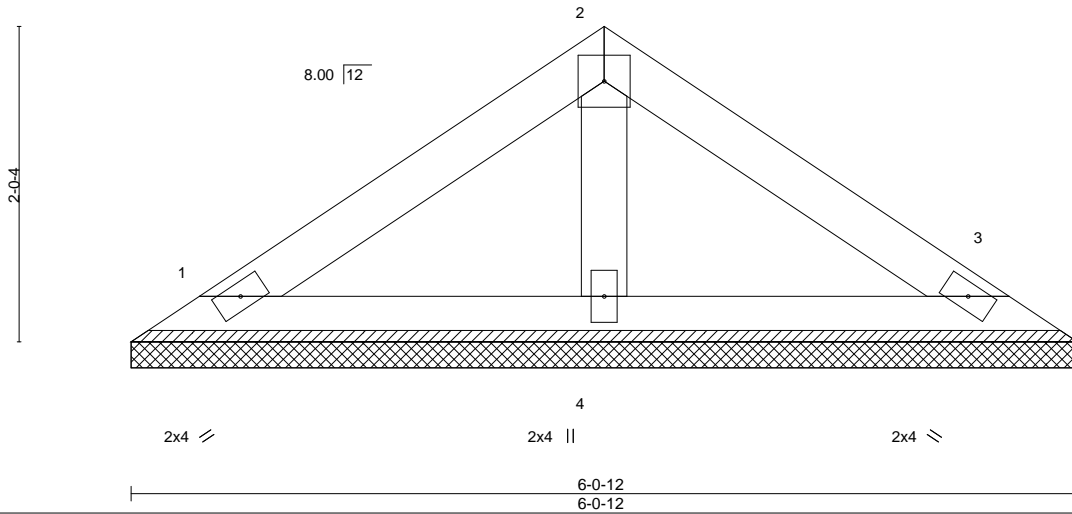
8.330 s May 6 2020 MiTek Industries, Inc. Fri Jun 26 09:18:46 2020 Page 1

ID:nGEYJn1QAnpJfECepmG8Mz?may-kjR1VH2LHDDgWUZBz2kMZZ7tGqn5JPj6?wya9Pz2SWt



4x4 =

Scale = 1:14.8



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.05	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P						Weight: 20 lb	FT = 20%
	Code IRC2015/TPI2014								

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.

REACTIONS.

(size) 1=6-0-12, 3=6-0-12, 4=6-0-12
 Max Horz 1=-41(LC 6)
 Max Uplift 1=-19(LC 10), 3=-23(LC 11)
 Max Grav 1=111(LC 1), 3=111(LC 1), 4=186(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- 6) Non Standard bearing condition. Review required.



June 26,2020

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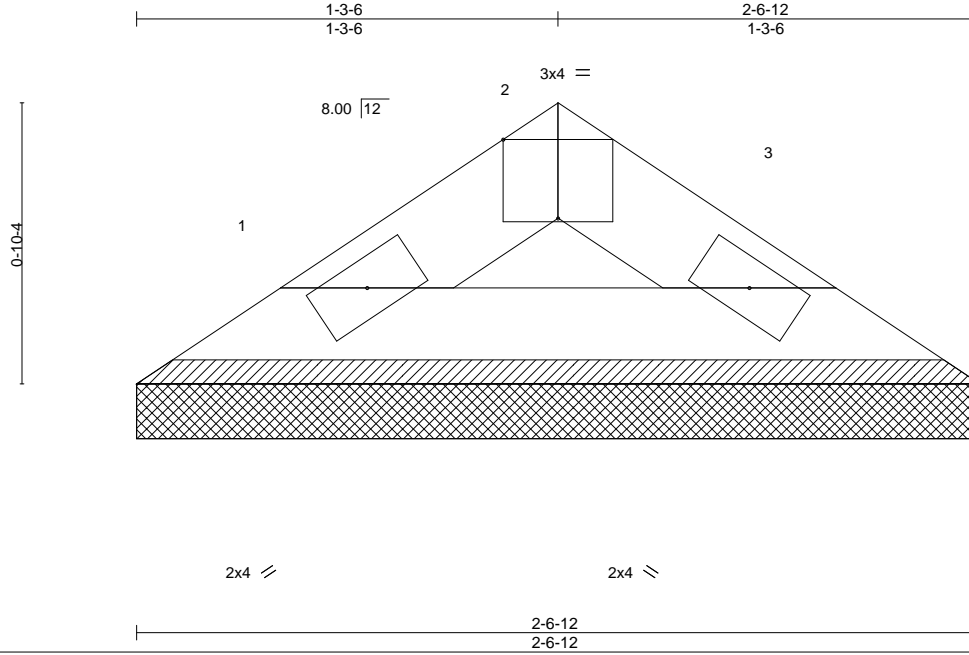
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 25 Mitchell Manor / Harnett	E14556367
J0520-2111	VC8	VALLEY	1	1		

Comtech, Inc., Fayetteville, NC - 28314,

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ID:nGEYJn1QAngpJfECepmG8Mz?may-Cw?Pjd2z2XLX8d8NXmFb5mg3DE7m2sCFdai8hrz2SWs



Scale = 1:7.0

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.01	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.02	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P					Weight: 7 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-6-12 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=2-6-12, 3=2-6-12
 Max Horz 1=-13(LC 6)
 Max Uplift 1=-5(LC 10), 3=-5(LC 11)
 Max Grav 1=64(LC 1), 3=64(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- 6) Non Standard bearing condition. Review required.



June 26,2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

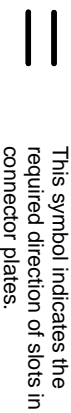
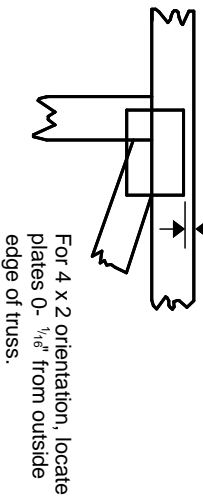
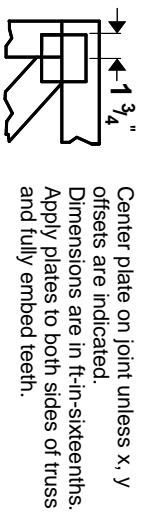
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

Symbols

PLATE LOCATION AND ORIENTATION



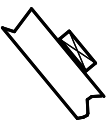
* Plate location details available in **MITrak 20/20 software** or upon request.

PLATE SIZE

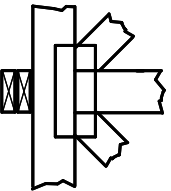
4 X 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



BEARING

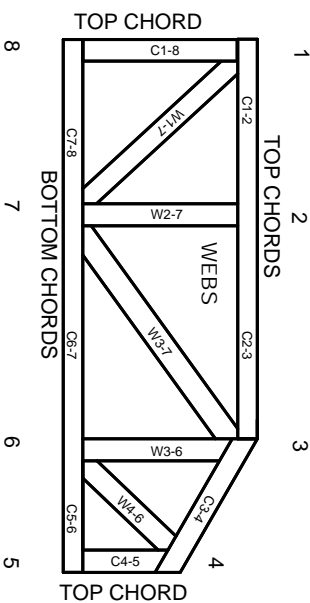


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI 1: National Design Specification for Metal Plate Connected Wood Truss Construction.
 DSB-89: Design Standard for Bracing.
 BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
 ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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MITek Engineering Reference Sheet: MII-7473 rev. 10/03/2015



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.