

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: J1120-5331
Weaver/Lot 1 Adcock Farms/JoCo

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville.

Pages or sheets covered by this seal: E15121341 thru E15121361

My license renewal date for the state of North Carolina is December 31, 2020.

North Carolina COA: C-0844



November 19, 2020

Gilbert, Eric

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 MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or 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.

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121341
J1120-5331	A1GE	GABLE	1	1	Job Reference (optional)	

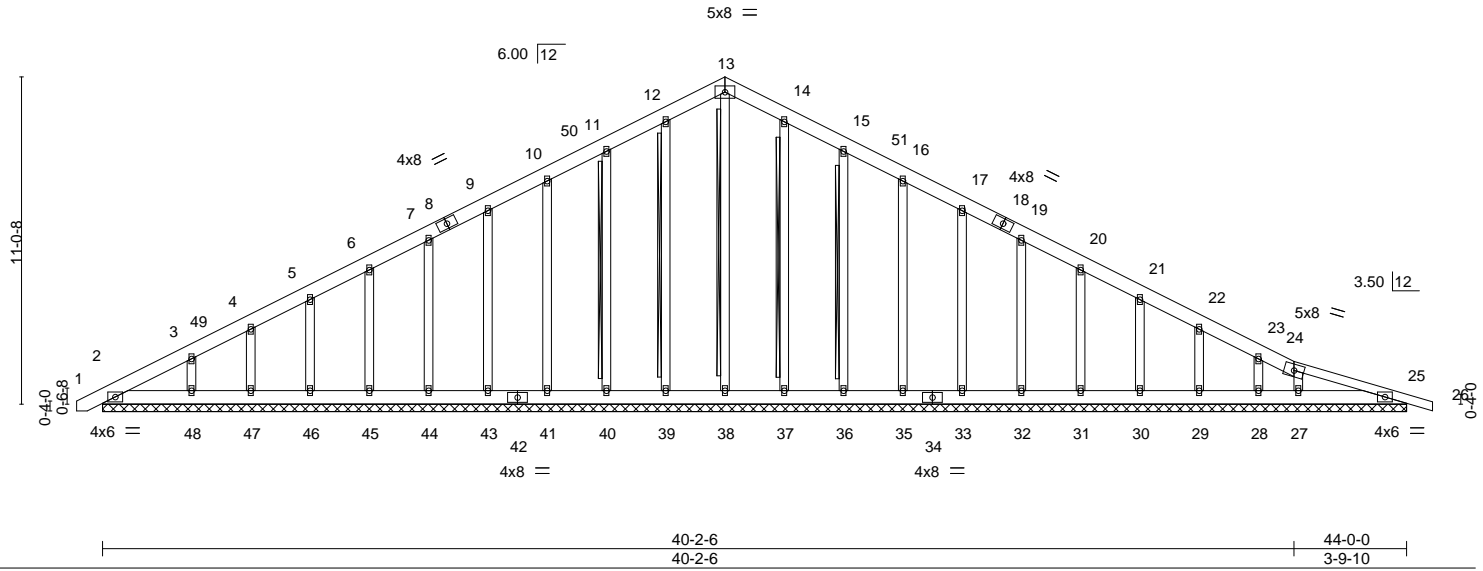
Comtech, Inc., Fayetteville, NC - 28314,

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ID:wbk5kdLegcnR6Wjk7J0oityOCuZ-mg_gcvjnr8qLmPBKcDCnWzRAJ4b8ouuLX87QnyHdHB

-0-10-8	21-0-0	40-2-6	44-0-0	44-10-8
0-10-8	21-0-0	19-2-6	3-9-10	0-10-8

Scale = 1:77.7



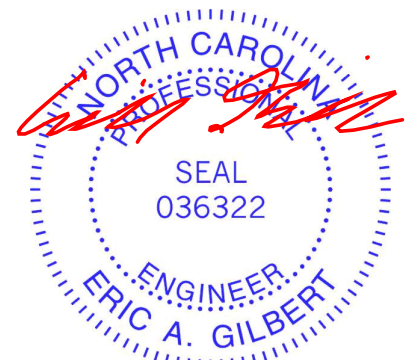
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.11	Vert(LL) 0.00	26	n/r	120	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.05	Vert(CT) 0.00	26	n/r	120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.12	Horz(CT) 0.01	25	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S					Weight: 372 lb	FT = 20%
	Code IRC2015/TPI2014							

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1 *Except* 24-26: 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 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 25-27.
WEBS 2x4 SP No.2	WEBS T-Brace: 2x4 SPF No.2 - 13-38, 12-39, 11-40, 14-37, 15-36
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.

REACTIONS. All bearings 44-0-0.
 (lb) - Max Horz 2=220(LC 15)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 25, 39, 40, 41, 43, 44, 45, 46, 47, 37, 36, 35, 33, 32, 31, 30, 29, 28, 27 except 48=111(LC 10)
 Max Grav All reactions 250 lb or less at joint(s) 2, 25, 38, 39, 40, 41, 43, 44, 45, 46, 47, 48, 37, 36, 35, 33, 32, 31, 30, 29, 28 except 27=282(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-282/104, 10-11=-106/291, 11-12=-129/378, 12-13=-142/445, 13-14=-142/445, 14-15=-129/378, 15-16=-106/291

- 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) -0-8-6 to 3-8-7, Exterior(2) 3-8-7 to 16-7-3, Corner(3) 16-7-3 to 25-4-13, Exterior(2) 25-4-13 to 40-2-6, Corner(3) 40-2-6 to 44-10-8 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 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, 25, 39, 40, 41, 43, 44, 45, 46, 47, 37, 36, 35, 33, 32, 31, 30, 29, 28, 27 except (it=lb) 48=111.
 - Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



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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, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121342
J1120-5331	A2	ROOF SPECIAL	2	1		

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ID:wbk5kdLegcnR6Wjk7J0oItyOCuZ-j26Q1Px1Nm43?jL8S1Ggsx3g96evcXEBordEVgyHdH9

0-10-8	7-6-13	14-3-7	21-0-0	27-8-9	34-5-3	40-2-6	44-0-0	44-10-8
0-10-8	7-6-13	6-8-10	6-8-9	6-8-9	6-8-10	5-9-3	3-9-10	0-10-8

Scale = 1:78.9

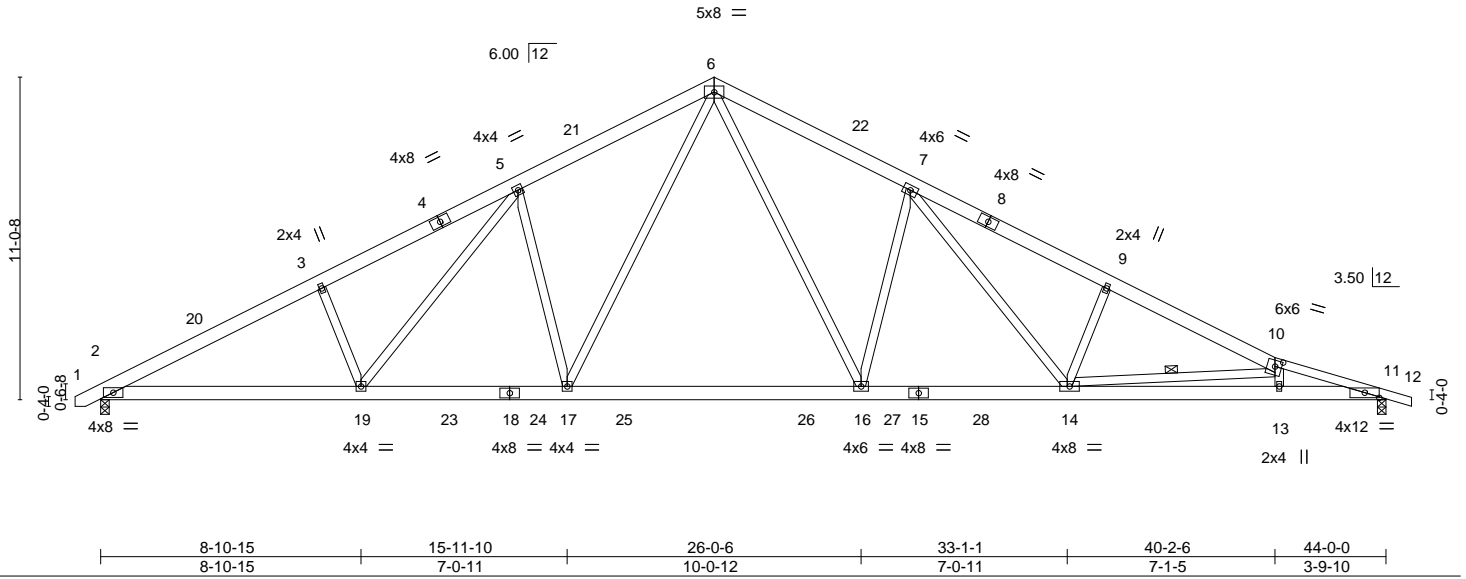


Plate Offsets (X,Y)-- [10:0-2-12,0-2-8], [11:0-6-0,0-2-2]

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) -0.31	16-17	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.57	Vert(CT) -0.55	16-17	>961	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.82	Horz(CT) 0.12	11	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.17	13-14	>999	240		
							Weight: 320 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
10-12: 2x4 SP No.1
BOT CHORD 2x6 SP No.1 *Except*
11-15: 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-8-5 oc bracing.
WEBS 1 Row at midpt 10-14

REACTIONS.

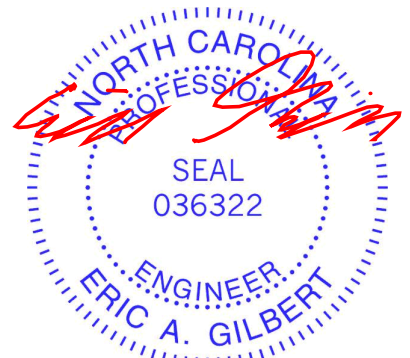
(size) 2=0-3-8, 11=0-3-8
Max Horz 2=142(LC 8)
Max Uplift 2=156(LC 10), 11=171(LC 11)
Max Grav 2=1862(LC 2), 11=1846(LC 2)

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

TOP CHORD 2-3=-3490/811, 3-5=-3371/872, 5-6=-2860/830, 6-7=-2972/855, 7-9=-3899/976,
9-10=-3972/917, 10-11=-5538/1219
BOT CHORD 2-19=-601/3097, 17-19=-420/2645, 16-17=-241/2017, 14-16=-454/2772,
13-14=-1134/5327, 11-13=-1116/5304
WEBS 3-19=-368/225, 5-19=-170/632, 5-17=-680/318, 6-17=-248/1144, 6-16=-297/1368,
7-16=-897/373, 7-14=-273/1122, 9-14=-412/208, 10-14=-1821/449

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) 0-8-6 to 3-8-7, Interior(1) 3-8-7 to 16-7-3, Exterior(2) 16-7-3 to 25-4-13, Interior(1) 25-4-13 to 40-2-6, Exterior(2) 40-2-6 to 44-10-8 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) except (jt=lb) 2=156, 11=171.



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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, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121343
J1120-5331	A3	ROOF SPECIAL	2	1	Job Reference (optional)	

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ID:wbk5kdLegcnR6Wjk7J0oltyOCuZ-fREBS4yHvNknF1VWZSI8xM8?fwJM4RjUG96LaZyHdH7



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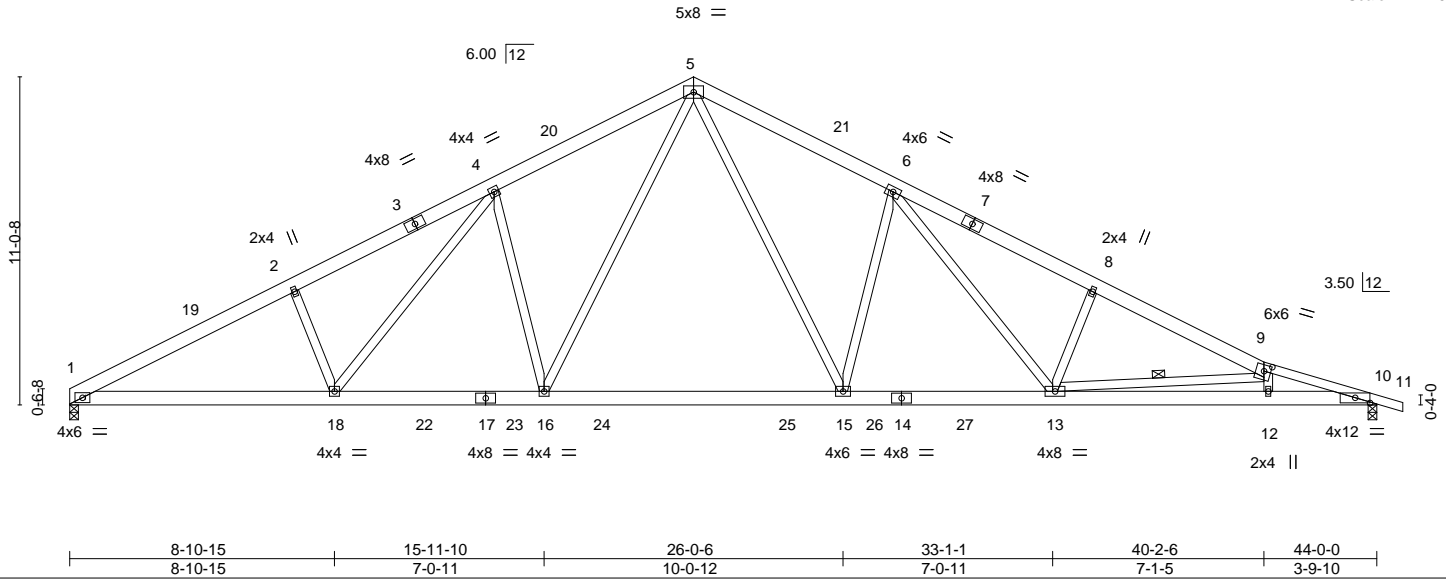


Plate Offsets (X,Y)-- [9:0-2-12,0-2-8], [10:0-6-0,0-2-2]

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) -0.31	15-16	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.58	Vert(CT) -0.55	15-16	>960	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.82	Horz(CT) 0.12	10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.17	12-13	>999	240	Weight: 318 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
9-11: 2x4 SP No.1
BOT CHORD 2x6 SP No.1 *Except*
10-14: 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-7-15 oc bracing.
WEBS 1 Row at midpt 9-13

REACTIONS.

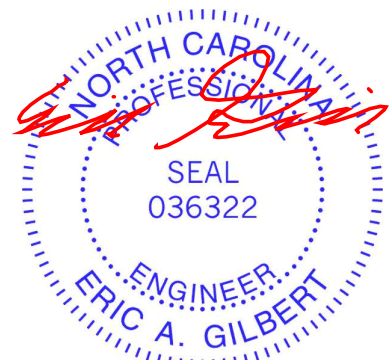
(size) 1=0-3-8, 10=0-3-8
Max Horz 1=143(LC 8)
Max Uplift 1=145(LC 10), 10=171(LC 11)
Max Grav 1=1819(LC 2), 10=1846(LC 2)

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

TOP CHORD 1-2=-3495/832, 2-4=-3376/895, 4-5=-2861/838, 5-6=-2973/860, 6-8=-3900/982,
8-9=-3973/922, 9-10=-5540/1226
BOT CHORD 1-18=-626/3102, 16-18=-428/2647, 15-16=-246/2018, 13-15=-459/2773,
12-13=-1140/5328, 10-12=-1122/5305
WEBS 2-18=-372/243, 4-18=-188/637, 4-16=-681/322, 5-16=-253/1145, 5-15=-297/1368,
6-15=-897/373, 6-13=-273/1122, 8-13=-412/208, 9-13=-1822/451

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 16-7-3, Exterior(2) 16-7-3 to 25-4-13, Interior(1) 25-4-13 to 40-2-6, Exterior(2) 40-2-6 to 44-10-8 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) except (jt=lb) 1=145, 10=171.



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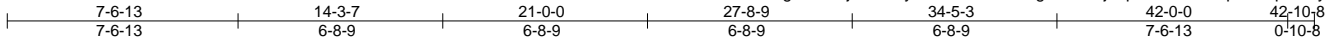


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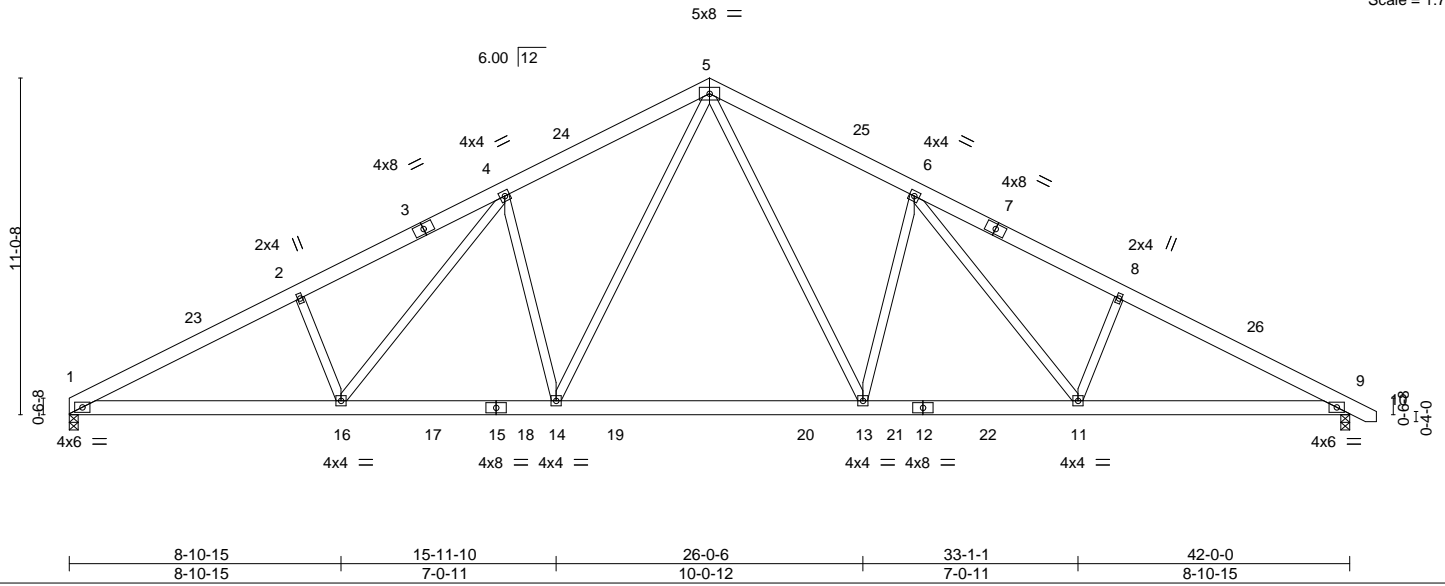
Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121344
J1120-5331	A4	DBL. FINK	2	1	Job Reference (optional)	

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Scale = 1:75.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.33	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.55	Vert(LL) -0.22 13-14 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.63	Vert(CT) -0.39 13-14 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.09 9 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.08 14 >999 240	Weight: 302 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-11-13 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 1=0-3-8, 9=0-3-8
 Max Horz 1=-142(LC 8)
 Max Uplift 1=-142(LC 10), 9=-154(LC 11)
 Max Grav 1=1737(LC 2), 9=1780(LC 2)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-3317/795, 2-4=-3198/858, 4-5=-2679/799, 5-6=-2678/797, 6-8=-3194/840, 8-9=-3314/779
 BOT CHORD 1-16=-582/2953, 14-16=-382/2493, 13-14=-201/1864, 11-13=-379/2456, 9-11=-561/2891
 WEBS 2-16=-374/244, 4-16=-190/641, 4-14=-683/322, 5-14=-252/1143, 5-13=-246/1142, 6-13=-682/318, 6-11=-171/636, 8-11=-370/225

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 16-7-3, Exterior(2) 16-7-3 to 25-4-13, Interior(1) 25-4-13 to 38-3-9, Exterior(2) 38-3-9 to 42-8-6 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) except (jt=lb) 1=142, 9=154.



November 19, 2020

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818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121345
J1120-5331	A5	ROOF SPECIAL	7	1		

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 7-10-14 14-4-0 21-0-0 27-8-9 34-5-3 42-0-0 42-10-8
 7-10-14 6-5-2 6-8-0 6-8-9 6-8-10 7-6-13 0-10-8

Scale = 1:76.2

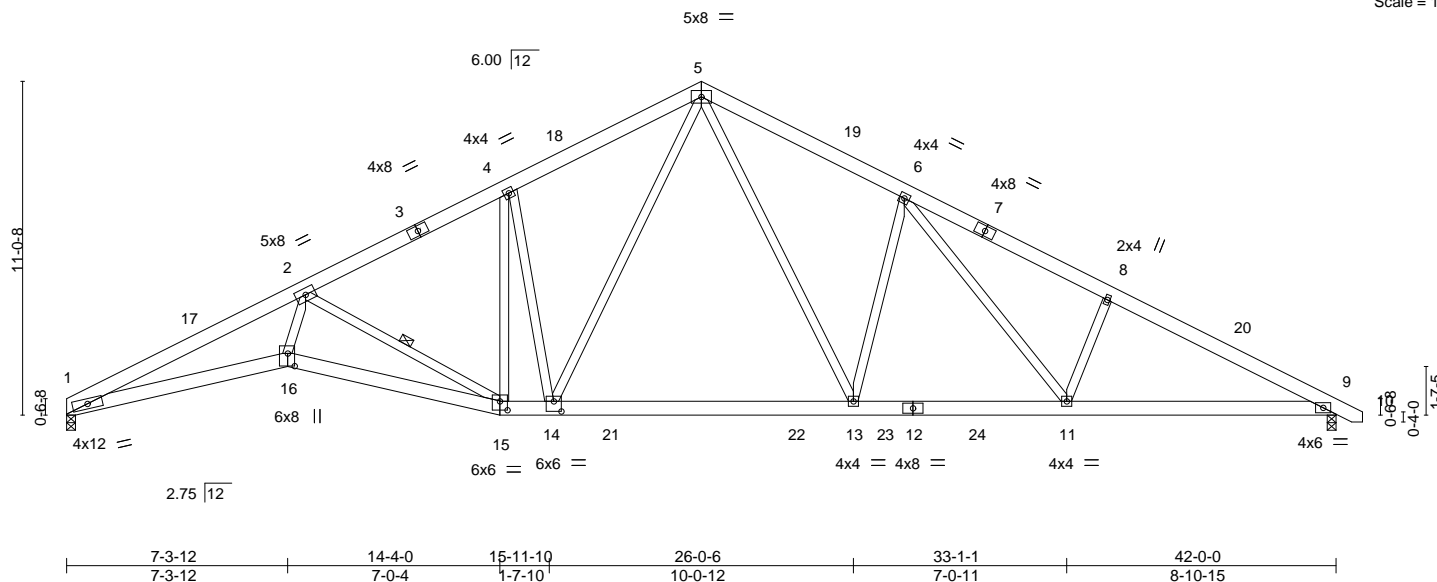


Plate Offsets (X,Y)-- [14:0-3-0,0-4-0], [15:0-3-0,0-3-8], [16:0-5-0,0-2-12]

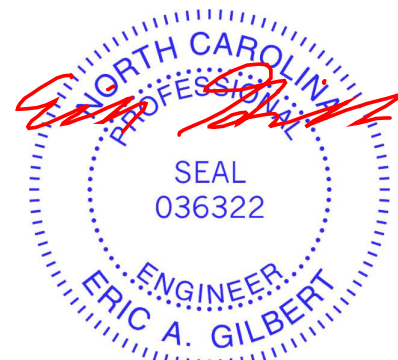
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.59	Vert(LL) -0.28	13-14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.70	Vert(CT) -0.51	13-14	>982	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.66	Horz(CT) 0.23	9	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.17	15-16	>999	240	Weight: 309 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 2-8-13 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 7-9-15 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 2-15

REACTIONS. (size) 1=0-3-8, 9=0-3-8
 Max Horz 1=-142(LC 8)
 Max Uplift 1=-142(LC 10), 9=-154(LC 11)
 Max Grav 1=1668(LC 1), 9=1734(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-5380/1245, 2-4=-2610/731, 4-5=-2527/802, 5-6=-2577/797, 6-8=-3098/840, 8-9=-3217/778
 BOT CHORD 1-16=-1009/4945, 15-16=-916/4381, 14-15=-375/2311, 13-14=-200/1775, 11-13=-379/2365, 9-11=-561/2805
 WEBS 2-16=-367/2266, 2-15=-2312/599, 4-15=-102/307, 4-14=-682/324, 5-14=-257/1040, 5-13=-247/1136, 6-13=-684/319, 6-11=-171/638, 8-11=-369/225

- 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 16-7-3, Exterior(2) 16-7-3 to 25-4-13, Interior(1) 25-4-13 to 38-3-9, Exterior(2) 38-3-9 to 42-8-6 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.
 - Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=142, 9=154.



November 19, 2020

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121346
J1120-5331	A6	ROOF SPECIAL	2	1	Job Reference (optional)	

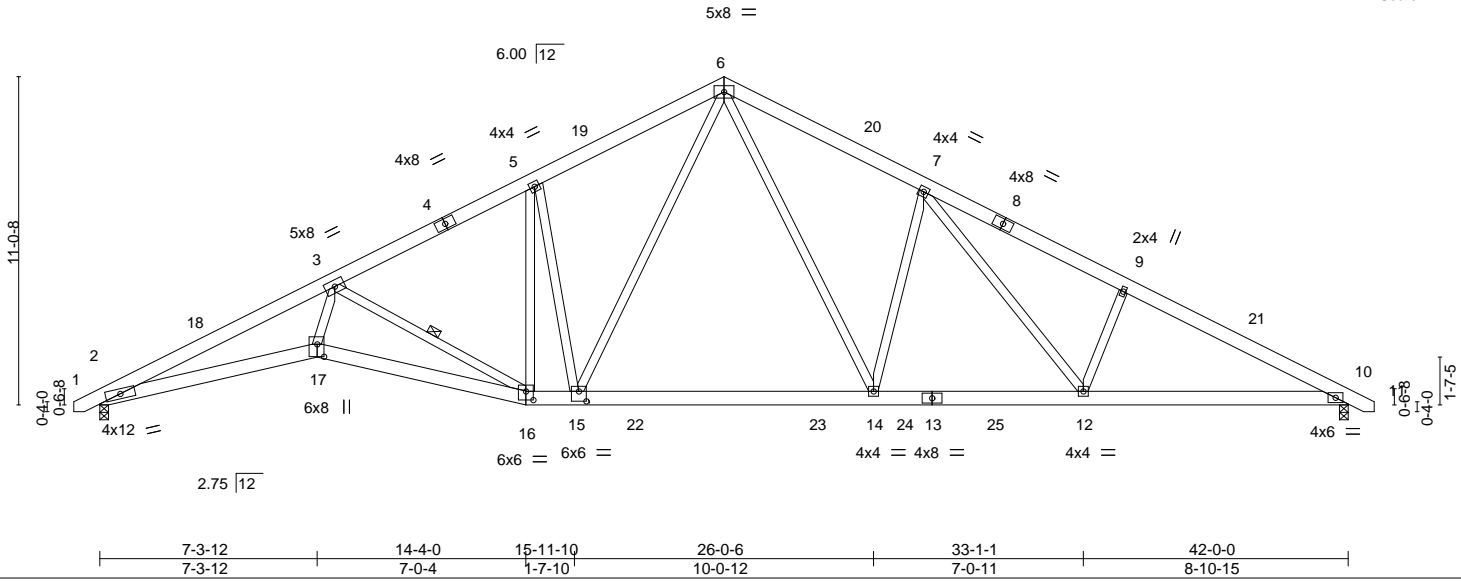
Comtech, Inc., Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Thu Nov 19 12:08:58 2020 Page 1

ID:wbk5kdLegcnR6Wjk7J0oltyOCuZ-XCThHS?oycrCjeoloHN46CJisXeB0GO4Am4YjkyHdH3

-0-10-8	7-10-14	14-4-0	21-0-0	27-8-9	34-5-3	42-0-0	42-10-8
0-10-8	7-10-14	6-5-2	6-8-0	6-8-9	6-8-10	7-6-13	0-10-8

Scale = 1:77.5



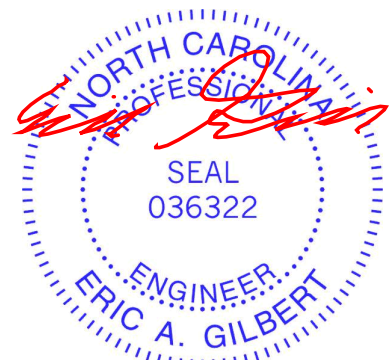
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.51	Vert(LL) -0.28 14-15 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.71	Vert(CT) -0.51 14-15 >983 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.65	Horz(CT) 0.23 10 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.17 16-17 >999 240	Weight: 311 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 2-10-2 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 7-11-11 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 3-16

REACTIONS. (size) 2=0-3-8, 10=0-3-8
 Max Horz 2=-141(LC 8)
 Max Uplift 2=-154(LC 10), 10=-154(LC 11)
 Max Grav 2=1719(LC 1), 10=1734(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-5390/1206, 3-5=-2608/721, 5-6=-2526/795, 6-7=-2576/792, 7-9=-3097/835, 9-10=-3216/774
 BOT CHORD 2-17=-967/4937, 16-17=-877/4373, 15-16=-367/2310, 14-15=-196/1774, 12-14=-375/2365, 10-12=-556/2804
 WEBS 3-17=-352/2265, 3-16=-2302/564, 5-16=-91/303, 5-15=-681/320, 6-15=-252/1039, 6-14=-248/1136, 7-14=-684/319, 7-12=-171/638, 9-12=-369/225

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 16-7-3, Exterior(2) 16-7-3 to 25-4-13, Interior(1) 25-4-13 to 38-3-9, Exterior(2) 38-3-9 to 42-8-6 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.
 - Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=154, 10=154.



November 19, 2020

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121347
J1120-5331	A6GE	GABLE	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Thu Nov 19 12:09:00 2020 Page 1
ID:wbk5kdLegcnR6Wjk7J0ltyOCuZ-UbbSi812UD5wzyygwiPYBdO8LTIUJFMe4ZfnCyHdH1

0-10-8 21-0-0 42-0-0 42-10-8
0-10-8 21-0-0 21-0-0 0-10-8

Scale = 1:74.9

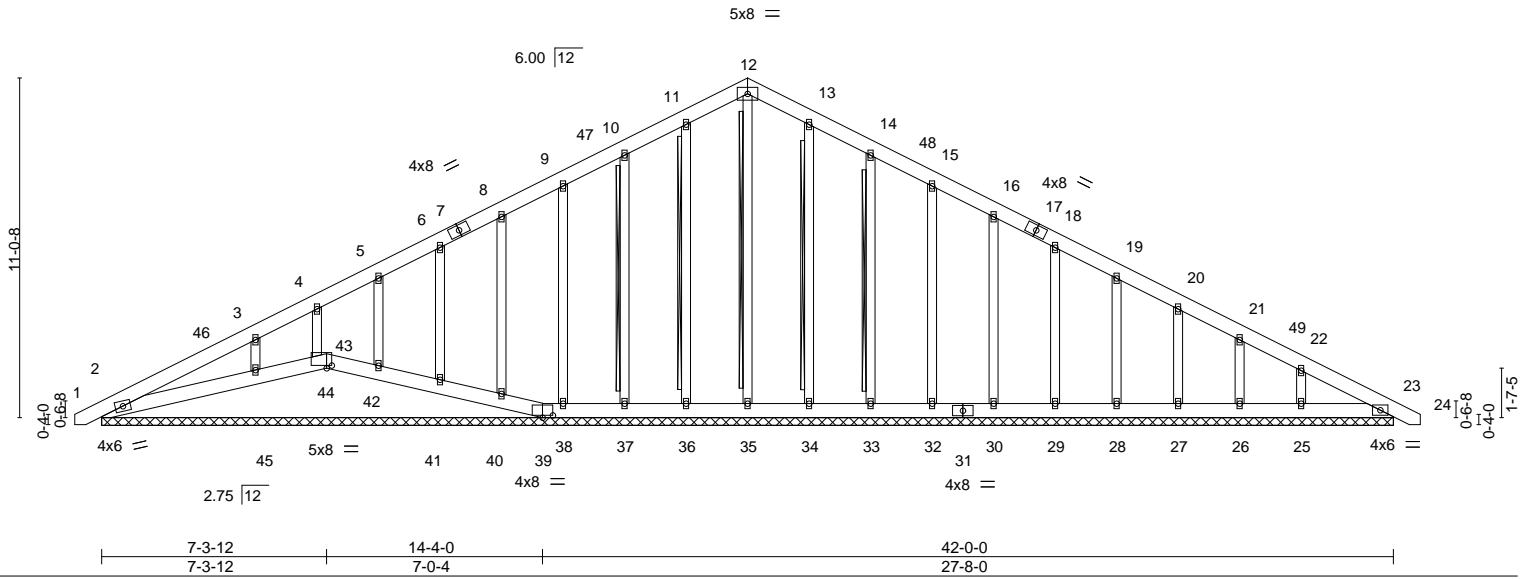


Plate Offsets (X,Y)-- [39:0-4-0,0-0-15], [43:0-2-0,0-1-1], [43:0-0-0,0-2-13], [44:0-1-12,0-0-6]

LOADING (psf)	SPACING-	CS.I.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.09	Vert(LL) 0.00	23	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.06	Vert(CT) 0.00	23	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.12	Horz(CT) 0.01	23	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S						
							Weight: 358 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 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, Except:
6-0-0 oc bracing: 44-45.
WEBS T-Brace: 2x4 SPF No.2 - 12-35, 11-36, 10-37, 13-34, 14-33
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.

REACTIONS. All bearings 42-0-0.
(lb) - Max Horz 2=220(LC 15)
Max Uplift All uplift 100 lb or less at joint(s) 2, 39, 36, 37, 38, 40, 41, 42, 44, 34, 33, 32, 30, 29, 28, 27, 26 except 45=192(LC 10), 25=110(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 2, 43, 39, 23, 35, 36, 37, 38, 40, 41, 42, 34, 33, 32, 30, 29, 28, 27, 26, 25 except 45=414(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-269/116, 9-10=-103/294, 10-11=-126/381, 11-12=-139/448, 12-13=-139/448, 13-14=-126/381, 14-15=-103/294
BOT CHORD 2-45=-64/250, 44-45=-71/253, 42-43=-63/250, 41-42=-63/252, 40-41=-63/252, 39-40=-60/251
WEBS 3-45=-286/334

- 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) -0-8-6 to 3-8-7, Exterior(2) 3-8-7 to 16-7-3, Corner(3) 16-7-3 to 25-4-13, Exterior(2) 25-4-13 to 38-3-9, Corner(3) 38-3-9 to 42-8-6 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, 39, 36, 37, 38, 40, 41, 42, 44, 34, 33, 32, 30, 29, 28, 27, 26 except (jt=lb) 45=192, 25=110.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 43, 40, 41, 42, 44, 45.
 - Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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

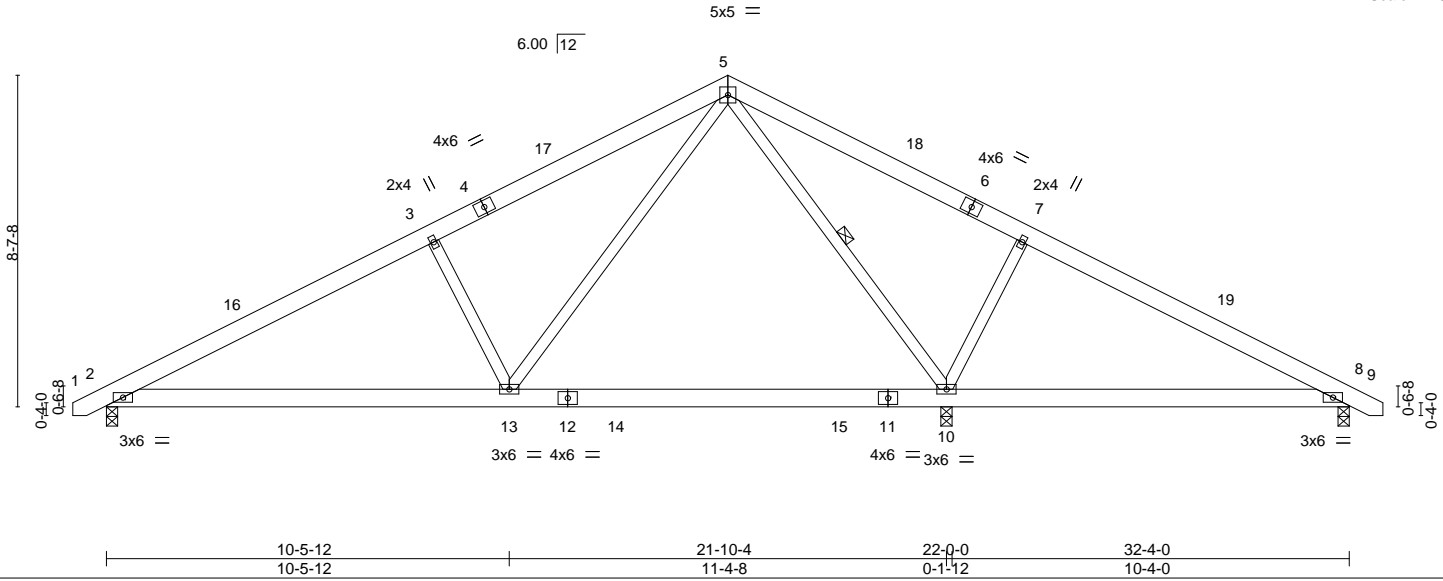
Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121348
J1120-5331	B1	FINK	6	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Thu Nov 19 12:09:01 2020 Page 1
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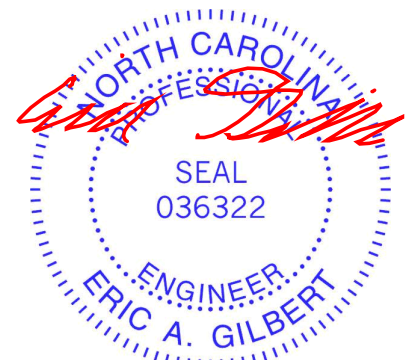
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.31	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.50	Vert(LL) -0.25 10-13 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.42	Vert(CT) -0.30 10-13 >860 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 8 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.04 2-13 >999 240	Weight: 206 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, 10=0-3-8, 8=0-3-8
 Max Horz 2=110(LC 8)
 Max Uplift 2=96(LC 10), 10=101(LC 11), 8=52(LC 11)
 Max Grav 2=861(LC 1), 10=1521(LC 2), 8=373(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1233/353, 3-5=-1051/400, 5-7=0/301
 BOT CHORD 2-13=-177/1100, 10-13=0/381
 WEBS 3-13=-492/305, 5-13=-200/936, 5-10=-923/257, 7-10=-512/311

- 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) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 11-9-3, Exterior(2) 11-9-3 to 20-6-13, Interior(1) 20-6-13 to 28-7-9, Exterior(2) 28-7-9 to 33-0-6 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) 2, 8 except (jt=lb) 10=101.



November 19, 2020

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121349
J1120-5331	B1GE	GABLE	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Thu Nov 19 12:09:02 2020 Page 1
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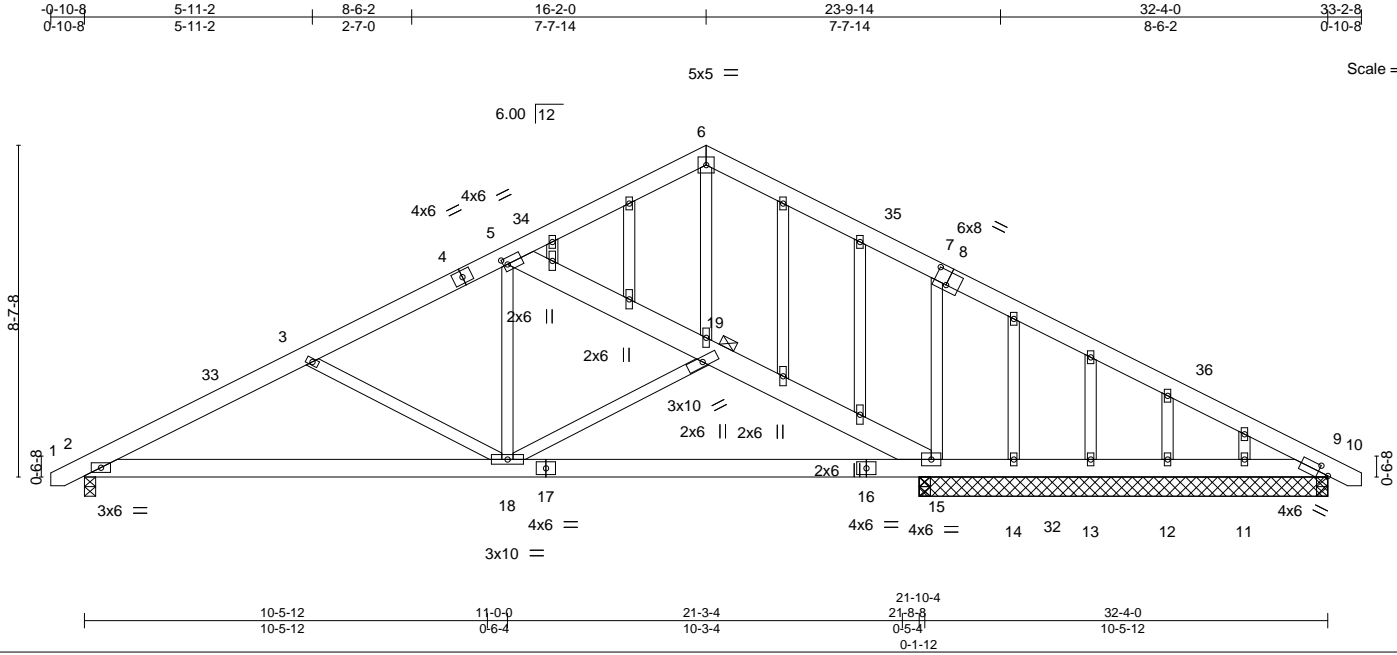


Plate Offsets (X,Y)-- [5:0-1-4,0-2-0], [7:0-1-15,0-0-0], [8:0-4-0,0-4-4], [8:0-0-0,0-2-12], [9:0-3-4,0-1-15]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.33	Vert(LL) -0.08	2-18	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.40	Vert(CT) -0.16	2-18	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.24	Horz(CT) 0.02	9	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.03	2-18	>999	240	Weight: 273 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 *Except* 5-15: 2x8 SP No.1	JOINTS 1 Brace at Jt(s): 19
OTHERS 2x4 SP No.2	

REACTIONS. All bearings 0-3-8 except (jt=length) 14=10-7-8, 13=10-7-8, 12=10-7-8, 11=10-7-8.
 (lb) - Max Horz 2=171(LC 16)
 Max Uplift All uplift 100 lb or less at joint(s) 12 except 2=224(LC 12), 15=305(LC 13), 14=197(LC 3), 11=229(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 9, 9, 13, 12 except 2=956(LC 1), 15=1183(LC 1), 15=1183(LC 1), 15=1183(LC 1), 11=363(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1508/372, 3-5=-1172/249, 5-6=-339/183, 6-7=-371/174, 7-9=-394/19
 BOT CHORD 2-18=-409/1293, 15-18=-165/954, 14-15=0/317, 13-14=0/317, 12-13=0/317, 11-12=0/317, 9-11=0/317
 WEBS 5-19=-836/282, 15-19=-820/278, 5-18=0/534, 7-15=-555/426, 3-18=-352/271

- 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=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 16-2-0, Exterior(2) 16-2-0 to 20-6-13, Interior(1) 20-6-13 to 33-0-6 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) All plates are 2x4 MT20 unless otherwise indicated.
 - 5) Gable studs spaced at 2-0-0 oc.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 2=224, 15=305, 14=197, 11=229.



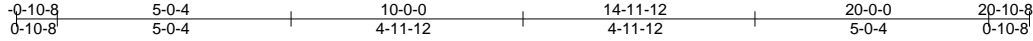
November 19, 2020

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121350
J1120-5331	C1	QUEENPOST	3	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Thu Nov 19 12:09:03 2020 Page 1

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4x4 =

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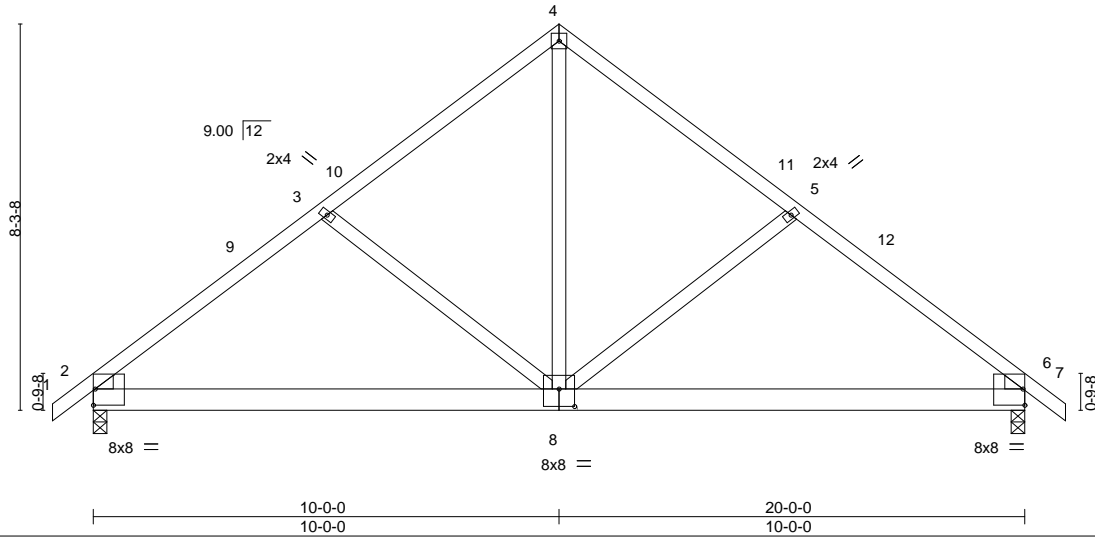


Plate Offsets (X,Y)-- [2:0-0-4,0-0-3], [2:0-3-9,0-0-6], [2:Edge,0-4-3], [6:Edge,0-4-3], [6:0-3-9,0-0-6], [6:0-0-4,0-0-3], [8:0-4-0,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.43	Vert(LL) -0.05	2-8	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.34	Vert(CT) -0.11	2-8	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.87	Horz(CT) 0.01	6	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.12	2-8	>999	240	Weight: 118 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2
 WEDGE

Left: 2x4 SP No.2 , Right: 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 9-11-7 oc bracing.

REACTIONS.

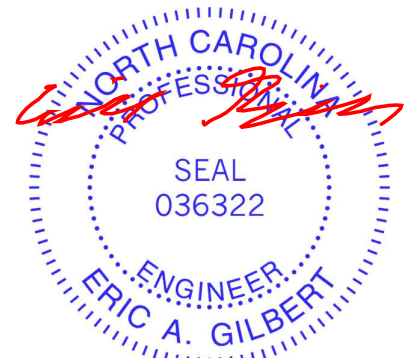
(size) 2=0-3-8, 6=0-3-8
 Max Horz 2=-196(LC 8)
 Max Uplift 2=-135(LC 7), 6=-135(LC 6)
 Max Grav 2=850(LC 1), 6=850(LC 1)

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

TOP CHORD 2-3=-992/828, 3-4=-759/819, 4-5=-759/819, 5-6=-992/828
 BOT CHORD 2-8=-525/696, 6-8=-525/696
 WEBS 3-8=-309/209, 4-8=-820/555, 5-8=-309/209

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 5-7-3, Exterior(2) 5-7-3 to 14-4-13, Interior(1) 14-4-13 to 16-5-11, Exterior(2) 16-5-11 to 20-10-8 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) except (jt=lb) 2=135, 6=135.



November 19,2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



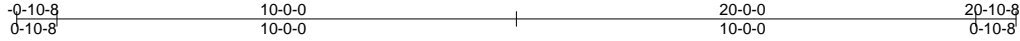
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121351
J1120-5331	C1GE	GABLE	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

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ID:wbk5kdLegcnR6Wjk7J0oltyOCuZ-MMryYV4ZYsBMRZGR9YTULTZrZysJQ6UyZiXsvzyHdGz



4x4 =

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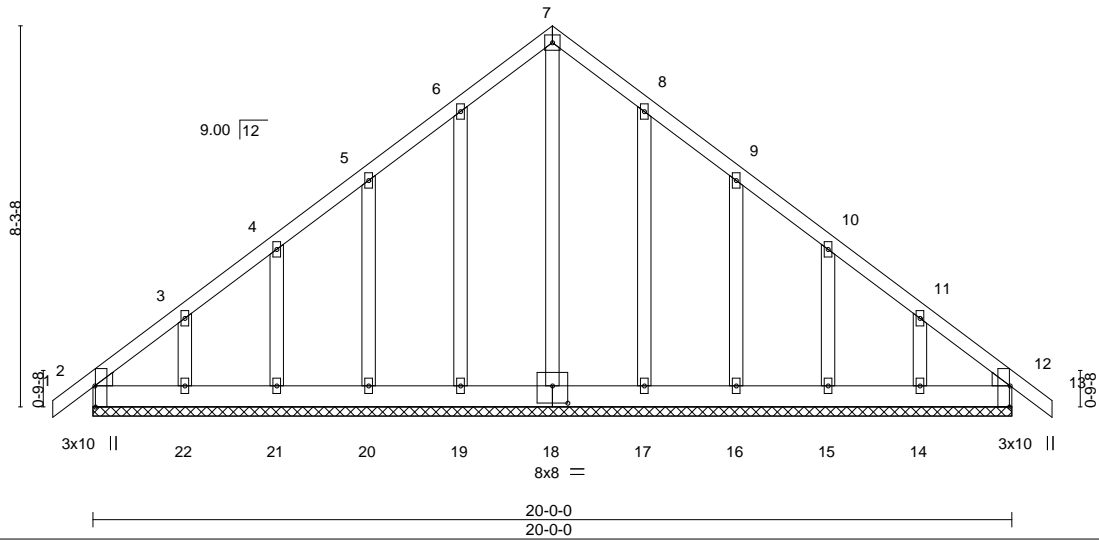


Plate Offsets (X,Y)-- [2:0-5-8,Edge], [2:0-0-6,0-3-9], [2:0-0-3,0-0-4], [12:0-0-3,0-0-4], [12:0-0-6,0-3-9], [12:0-5-8,Edge], [18:0-4-0,0-4-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.05	Vert(LL)	-0.00	12	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.02	Vert(CT)	-0.00	12	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.17	Horz(CT)	0.00	12	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S					Weight: 146 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
 BOT CHORD 2x6 SP No.1
 OTHERS 2x4 SP No.2
 WEDGE

Left: 2x4 SP No.2 , Right: 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 20-0-0.
 (lb) - Max Horz 2=-244(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 12, 2, 21, 17, 15 except 19=-102(LC 10), 20=-105(LC 10), 22=-152(LC 10), 16=-106(LC 11), 14=-147(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 12, 2, 18, 19, 20, 21, 22, 17, 16, 15, 14

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

TOP CHORD 2-3=-266/183

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 5-7-3, Corner(3) 5-7-3 to 14-4-13, Exterior(2) 14-4-13 to 16-5-11, Corner(3) 16-5-11 to 20-10-8 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 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) 12, 2, 21, 17, 15 except (jt=lb) 19=102, 20=105, 22=152, 16=106, 14=147.



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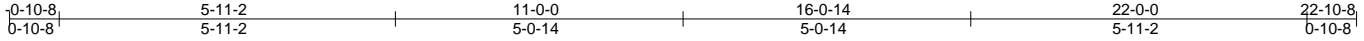


818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121352
J1120-5331	D1	QUEENPOST	3	1		

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Thu Nov 19 12:09:05 2020 Page 1
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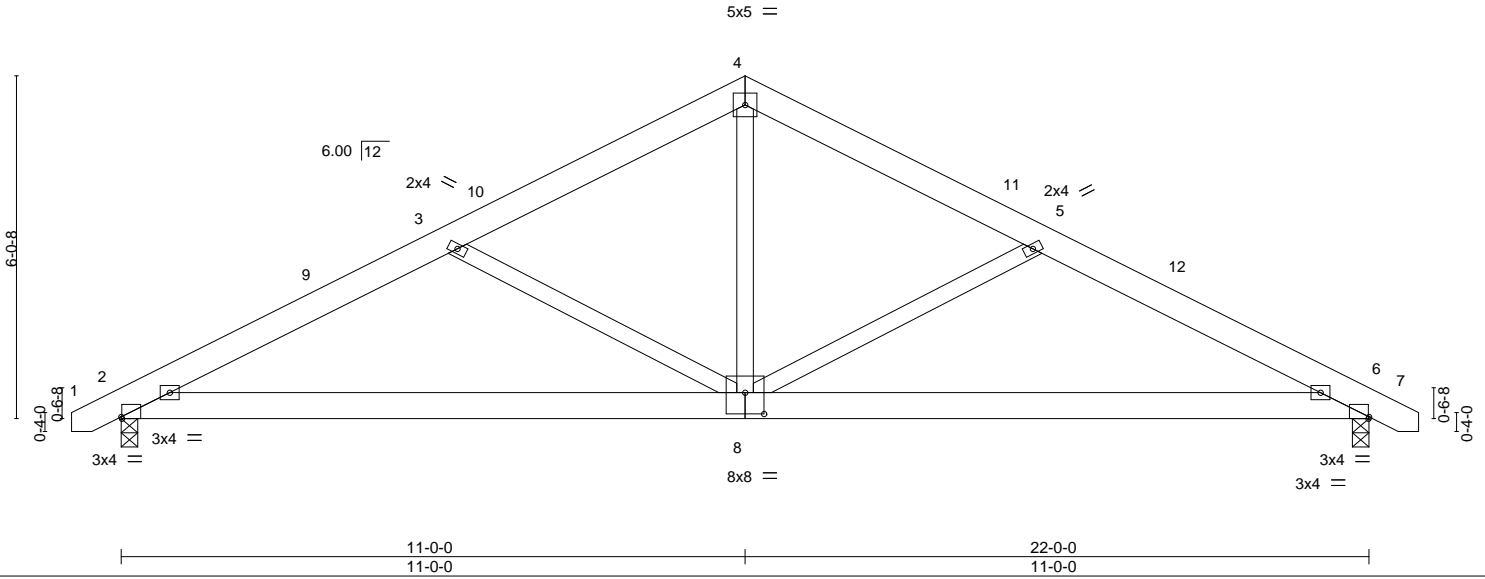


Plate Offsets (X,Y)-- [2:0-0-2,Edge], [6:0-0-2,Edge], [8:0-4-0,0-4-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.15	Vert(LL)	-0.07	2-8	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.42	Vert(CT)	-0.16	2-8	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.23	Horz(CT)	0.02	6	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.02	8	>999		
								Weight: 138 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 2=0-3-8, 6=0-3-8
 Max Horz 2=-76(LC 10)
 Max Uplift 2=-64(LC 12), 6=-64(LC 13)
 Max Grav 2=919(LC 1), 6=919(LC 1)

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

TOP CHORD 2-3=-1437/388, 3-4=-1088/290, 4-5=-1088/290, 5-6=-1437/388
 BOT CHORD 2-8=-255/1231, 6-8=-265/1231
 WEBS 3-8=-390/249, 4-8=-81/640, 5-8=-390/249

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=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 11-0-0, Exterior(2) 11-0-0 to 15-4-13, Interior(1) 15-4-13 to 22-8-6 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.



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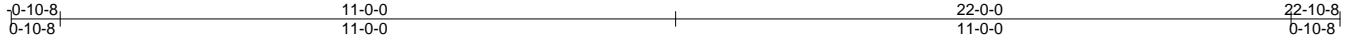


818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121353
J1120-5331	D1GE	GABLE	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Thu Nov 19 12:09:06 2020 Page 1
 ID:wbk5kdLegcnR6Wjk7J0oltyOCuZ-llyjzB6p43r4htPqGzWYyQueBGmXou2hF000z_syHdGx



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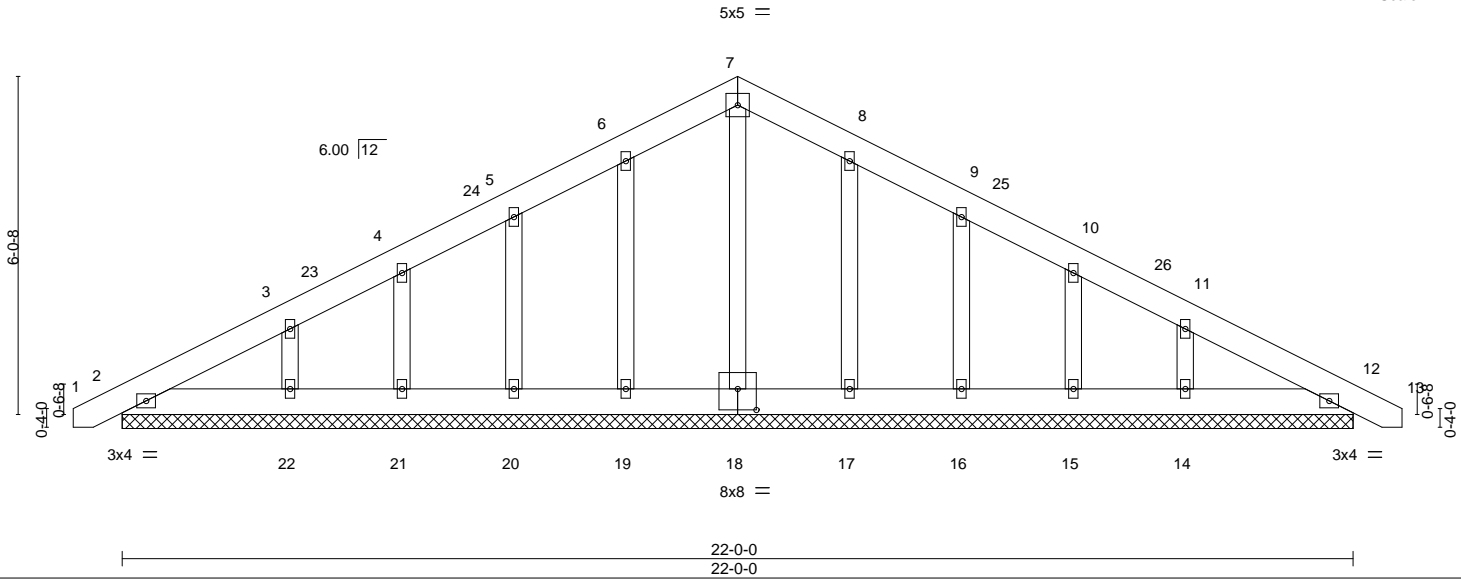


Plate Offsets (X,Y)-- [18:0-4-0,0-4-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.03	Vert(LL)	0.00	12	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.02	Vert(CT)	0.00	12	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	0.00	12	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 153 lb	FT = 20%

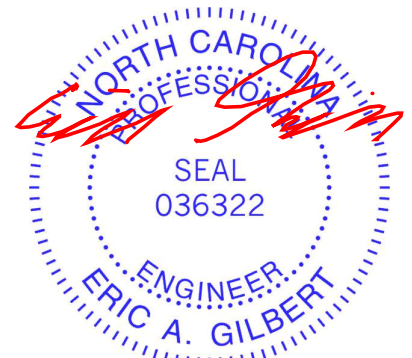
LUMBER-
 TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 OTHERS 2x4 SP No.2

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 22-0-0.
 (lb) - Max Horz 2=-118(LC 13)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 20, 21, 17, 16, 15 except 22=-103(LC 12), 14=-102(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 2, 12, 18, 19, 20, 21, 22, 17, 16, 15, 14

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=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-8-6 to 3-8-7, Exterior(2) 3-8-7 to 11-0-0, Corner(3) 11-0-0 to 15-4-13, Exterior(2) 15-4-13 to 22-8-6 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, 12, 19, 20, 21, 17, 16, 15 except (jt=lb) 22=103, 14=102.



November 19,2020

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 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121354
J1120-5331	MS1	MONOPITCH STRUCTURAL	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Thu Nov 19 12:09:06 2020 Page 1
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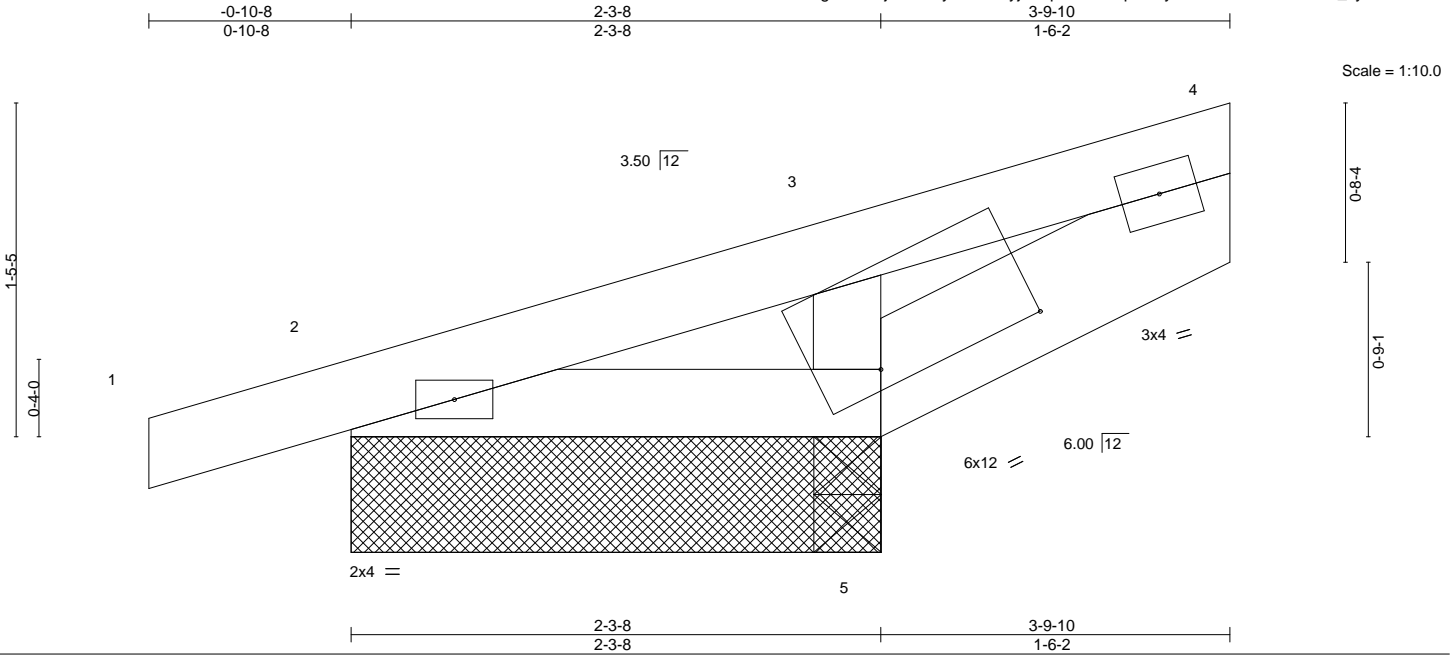


Plate Offsets (X,Y)-- [3:0-1-13,0-0-5], [5:0-8-12,0-1-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.06	Vert(LL)	-0.00 2-5	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.04	Vert(CT)	-0.00 2-5	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	-0.00 5	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P	Wind(LL)	-0.00 2	>999	240	Weight: 16 lb	FT = 20%

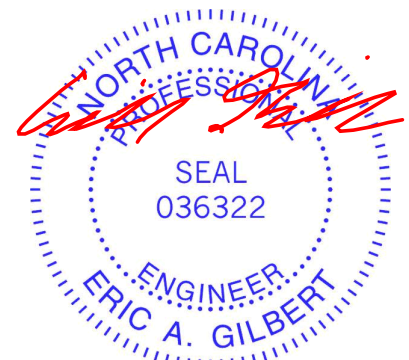
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except*
4-5: 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 2=2-3-8, 5=2-3-8, 5=2-3-8
Max Horz 2=54(LC 6)
Max Uplift 2=62(LC 6), 5=81(LC 10)
Max Grav 2=114(LC 1), 5=242(LC 1), 5=242(LC 1)

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

- NOTES-**
- 1) 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) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) Gable studs spaced at 2-0-0 oc.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5.



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Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121355
J1120-5331	VC1	VALLEY	1	1		

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8.330 s Oct 7 2020 MiTek Industries, Inc. Thu Nov 19 12:09:07 2020 Page 1
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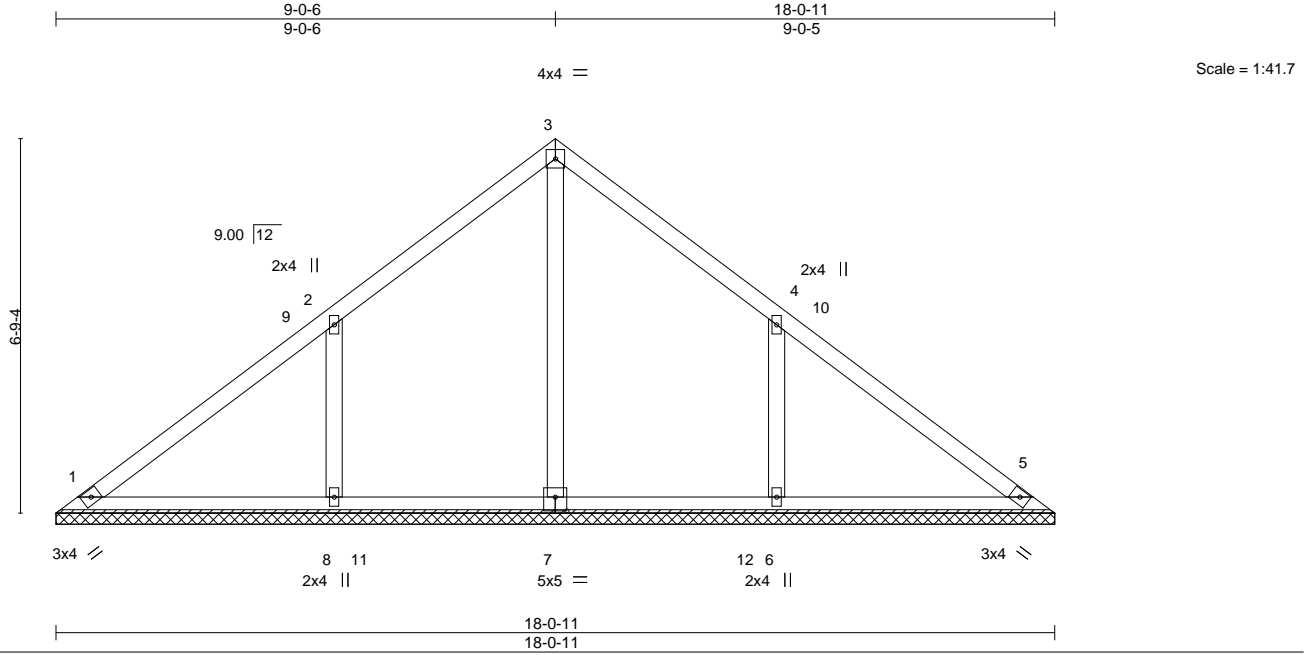


Plate Offsets (X,Y)-- [7:0-2-8,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.21	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.18	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.11	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code	IRC2015/TPI2014	Matrix-S					Weight: 78 lb	FT = 20%

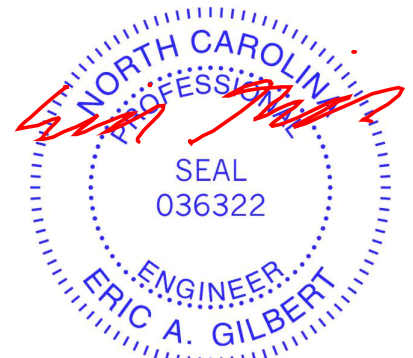
LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 OTHERS 2x4 SP No.2

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 18-0-11.
 (lb) - Max Horz 1=154(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1 except 8=143(LC 12), 6=143(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=412(LC 22), 8=513(LC 19), 6=513(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 2-8=-389/256, 4-6=-389/256

- 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=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-4 to 5-0-6, Interior(1) 5-0-6 to 9-0-6, Exterior(2) 9-0-6 to 13-5-2, Interior(1) 13-5-2 to 17-7-7 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=143, 6=143.



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818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121356
J1120-5331	VC2	VALLEY	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

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ID:wbk5kdLegcnR6Wjk7J0oltyOCuZ-F74TOt73cg5nwAZDOOYQWJv1ZBTMxiYUKV42lyHdGv

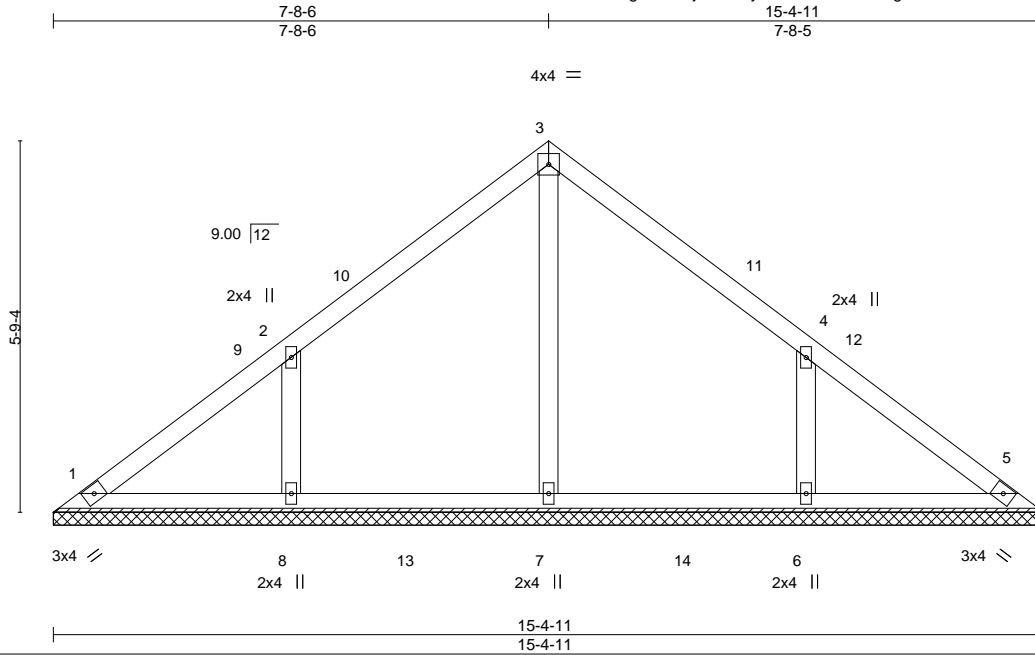


Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

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 0.15	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.14	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: 64 lb	FT = 20%

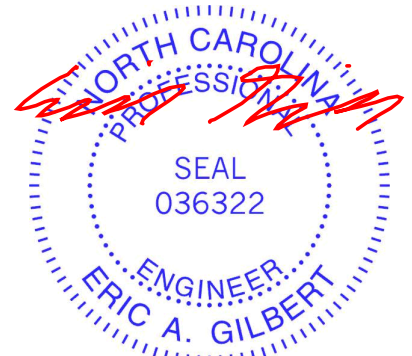
LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 OTHERS 2x4 SP No.2

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 15-4-11.
 (lb) - Max Horz 1=-131(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1 except 8=-121(LC 12), 6=-120(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=394(LC 19), 8=392(LC 19), 6=392(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 2-8=-327/227, 4-6=-327/227

- 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=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-4 to 4-10-1, Interior(1) 4-10-1 to 7-8-6, Exterior(2) 7-8-6 to 12-1-2, Interior(1) 12-1-2 to 14-11-7 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=121, 6=120.



November 19,2020

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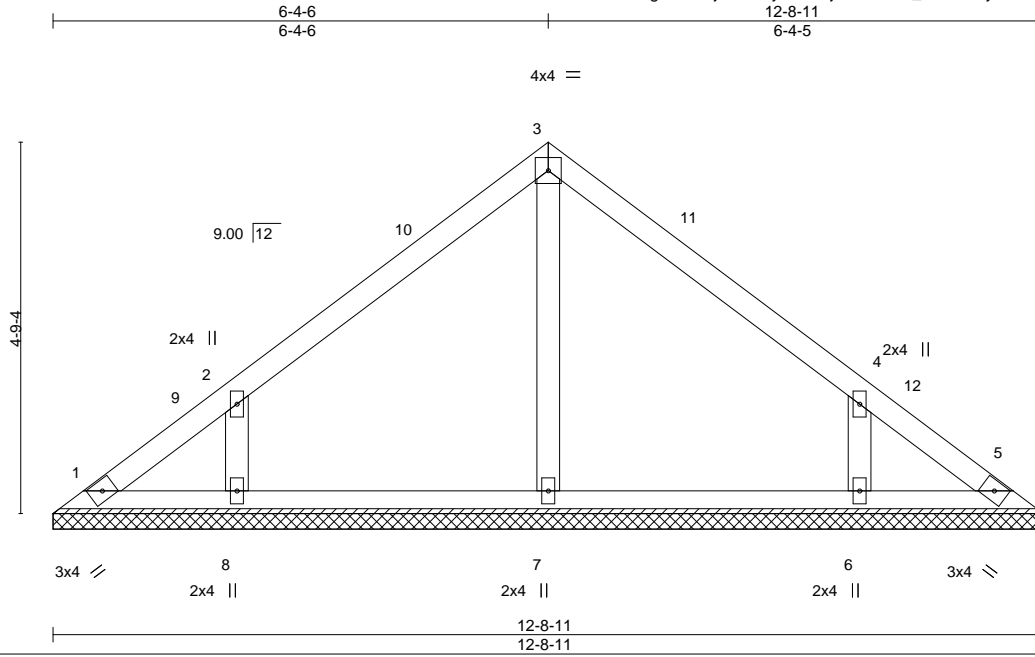
ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121357
J1120-5331	VC3	VALLEY	1	1		

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Thu Nov 19 12:09:09 2020 Page 1
 ID:wbk5kdLegcnR6Wjk7J0oIyOCuZ-jKerbD8hN_DeYK8Py53f2XGf2zYT5POhi_EdaByHdGu



Scale = 1:29.6

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 0.06	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code	IRC2015/TPI2014	Matrix-S					Weight: 51 lb	FT = 20%

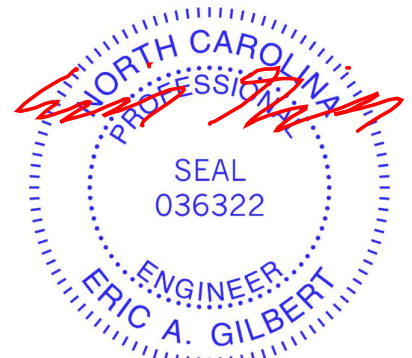
LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 OTHERS 2x4 SP No.2

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 12-8-11.
 (lb) - Max Horz 1=107(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=107(LC 12), 6=107(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=253(LC 1), 8=322(LC 19), 6=321(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 2-8=-294/218, 4-6=-294/218

- 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=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-4 to 4-10-1, Interior(1) 4-10-1 to 6-4-6, Exterior(2) 6-4-6 to 10-9-2, Interior(1) 10-9-2 to 12-3-7 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, 5 except (jt=lb) 8=107, 6=107.



November 19, 2020

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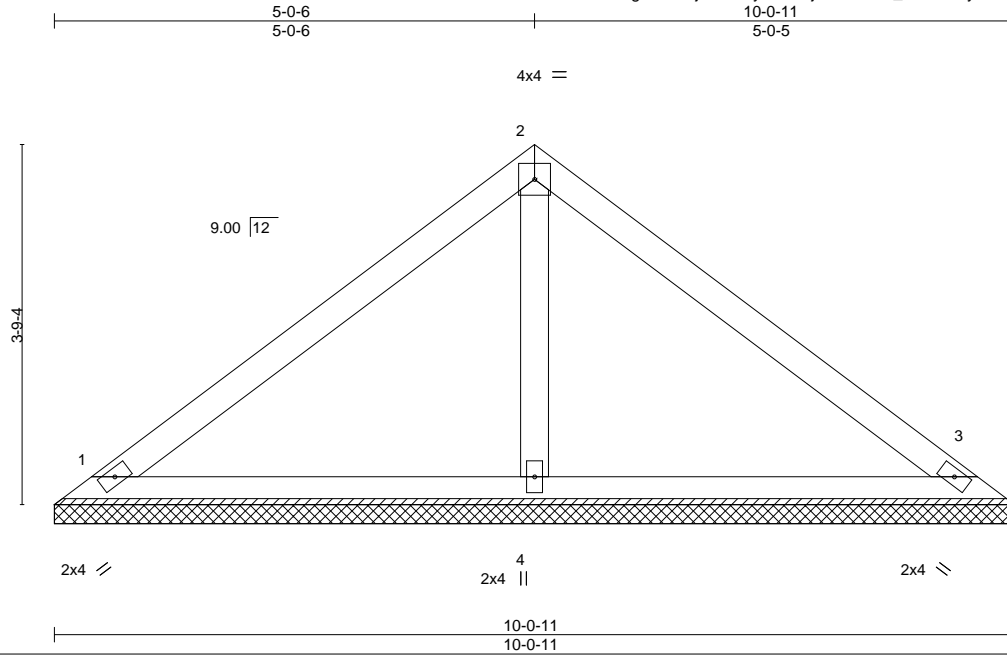


818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121358
J1120-5331	VC4	VALLEY	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Thu Nov 19 12:09:09 2020 Page 1
 ID:wbk5kdLegcnR6Wjk7J0oItyOCuZ-jKerbD8hN_DeYK8Py53f2XGedzXR5PYhi_EdaByHdGu



Scale: 1/2"=1'

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.22	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.16	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.05	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		
	Code IRC2015/TPI2014			Weight: 37 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.

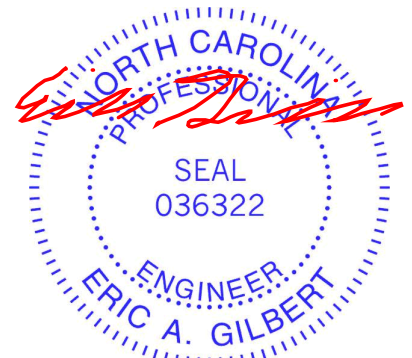
REACTIONS.

(size) 1=10-0-11, 3=10-0-11, 4=10-0-11
 Max Horz 1=-83(LC 8)
 Max Uplift 1=-22(LC 12), 3=-30(LC 13)
 Max Grav 1=189(LC 1), 3=189(LC 1), 4=356(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=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.



November 19,2020

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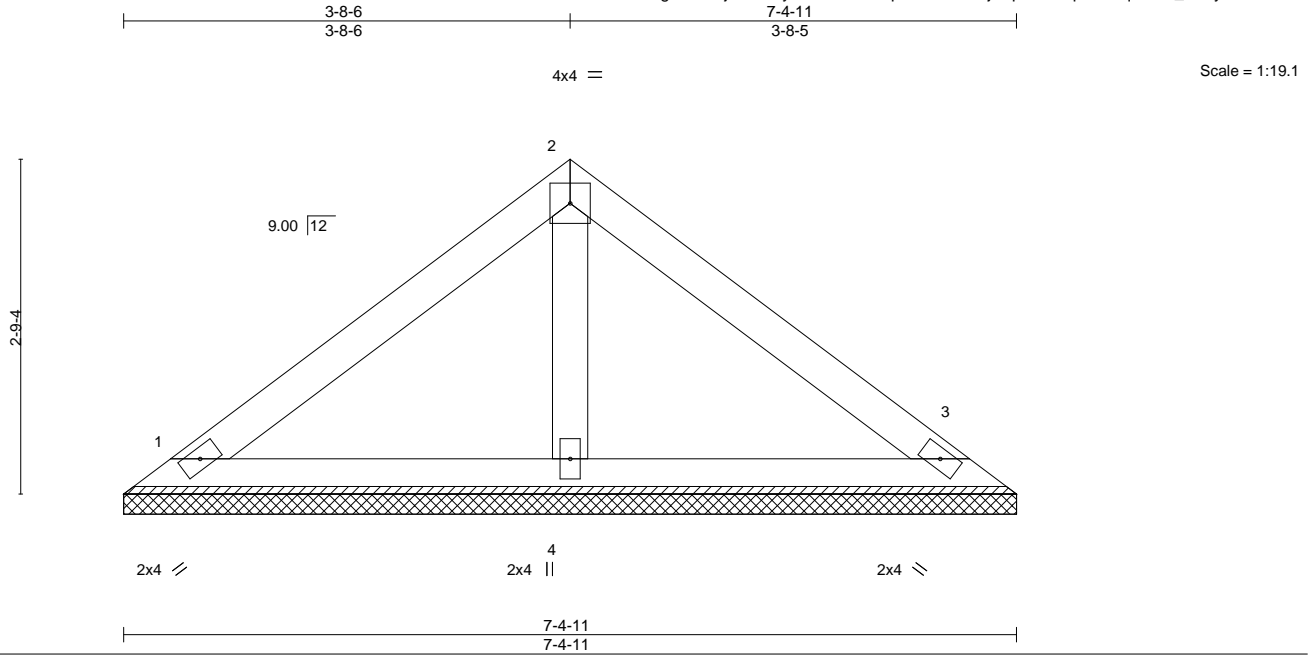


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 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121359
J1120-5331	VC5	VALLEY	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Thu Nov 19 12:09:10 2020 Page 1
 ID:wbk5kdLegcnR6Wjk7J0oltyOCuZ-BWCEpY9K8LV9UjbVpaubkoqWNusqsDrxe_B7dyHdGt



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.15	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	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	Weight: 26 lb	FT = 20%
	Code IRC2015/TPI2014				

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

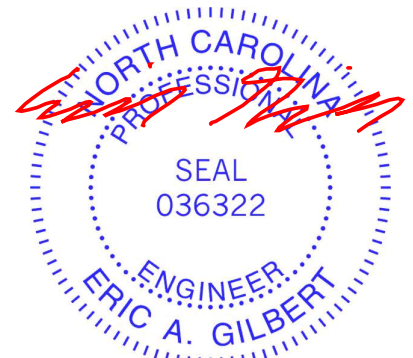
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=7-4-11, 3=7-4-11, 4=7-4-11
 Max Horz 1=-59(LC 8)
 Max Uplift 1=-23(LC 12), 3=-28(LC 13)
 Max Grav 1=146(LC 1), 3=146(LC 1), 4=229(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; TC DL=6.0psf; BC DL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



November 19, 2020

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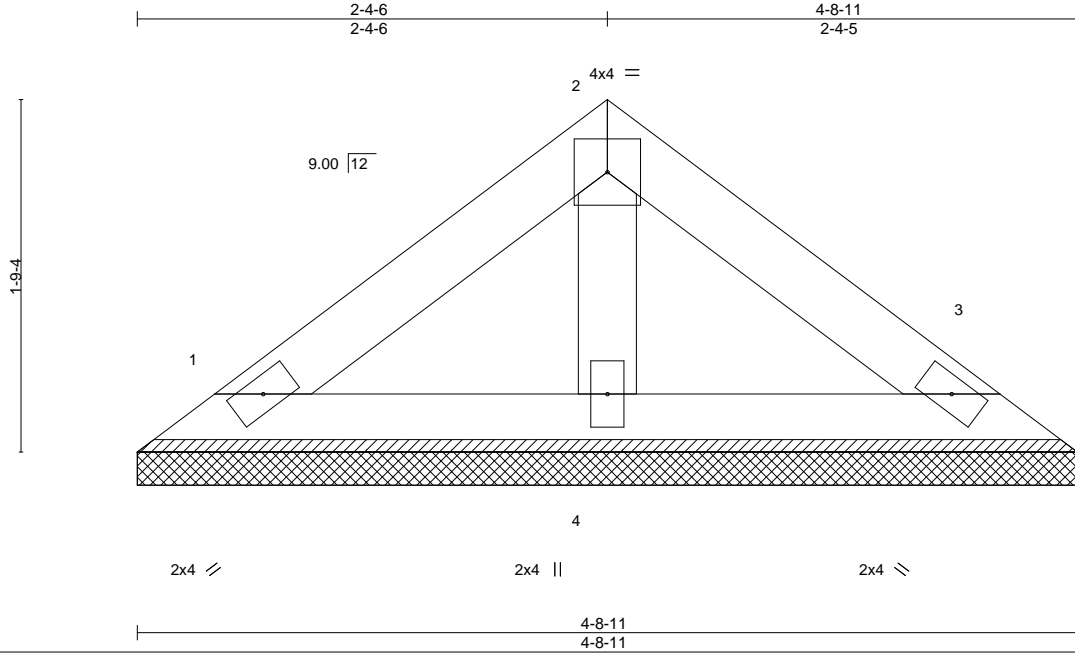


818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121360
J1120-5331	VC6	VALLEY	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Thu Nov 19 12:09:11 2020 Page 1
 ID:wbk5kdLegcnR6Wjk7J0oItyOCuZ-fimc0uAyubTMnelo3W577yL1pnFvZJe_AIjfk4yHdGs



Scale = 1:11.6

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.05	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.03	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.01	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	Weight: 16 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 4-8-11 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

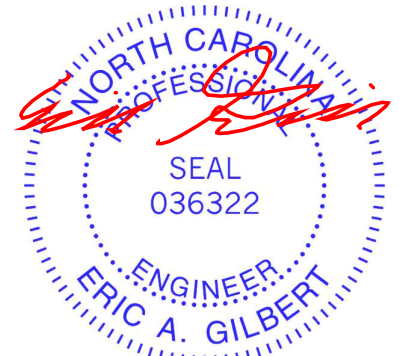
REACTIONS.

(size) 1=4-8-11, 3=4-8-11, 4=4-8-11
 Max Horz 1=-35(LC 8)
 Max Uplift 1=-13(LC 12), 3=-17(LC 13)
 Max Grav 1=86(LC 1), 3=86(LC 1), 4=135(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; TC DL=6.0psf; BC DL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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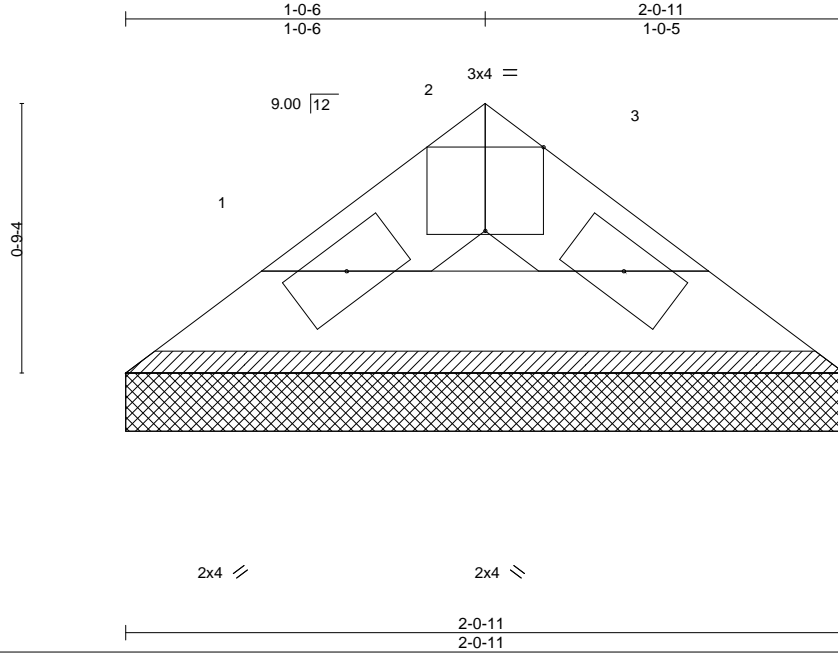


818 Soundside Road
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Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 1 Adcock Farms/JoCo	E15121361
J1120-5331	VC7	VALLEY	1	1		

Comtech, Inc. Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Thu Nov 19 12:09:11 2020 Page 1
 ID:wbk5kdLegcnR6Wjk7J0oItyOCuZ-fimc0uAyubTMnelo3W577yL1SnF9ZJo_AlJk4yHdGs



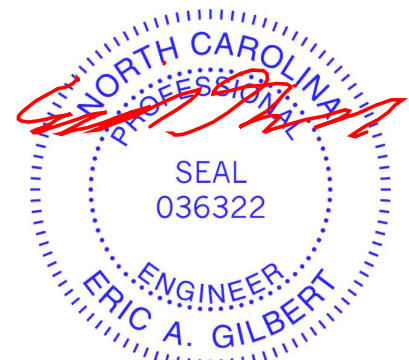
LOADING (psf)		SPACING-		CSI.		DEFL.			PLATES	GRIP
TCLL	20.0	Plate Grip DOL	2-0-0	TC	0.01	in (loc)	l/defl	L/d	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.01	n/a	-	n/a		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	n/a	-	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-P		0.00	3	n/a		
									Weight: 5 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 2-0-11 oc purlins.
BOT CHORD	2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=2-0-11, 3=2-0-11
 Max Horz 1=-11(LC 8)
 Max Uplift 1=-2(LC 12), 3=-2(LC 13)
 Max Grav 1=47(LC 1), 3=47(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=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



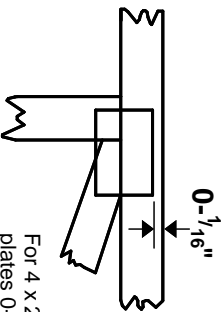
November 19,2020

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

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

PLATE SIZE

4 X 4

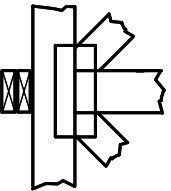
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING



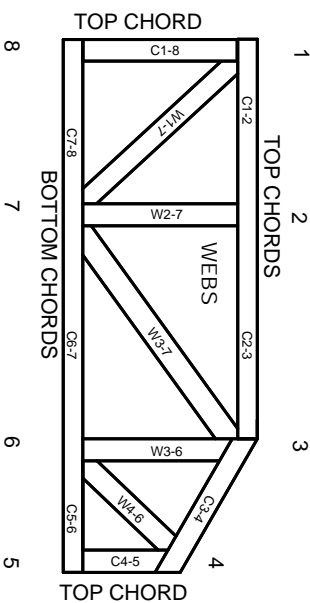
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System

6-4-8
dimensions shown in ft-in-sixteenths
(Drawings not to scale)



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: Mill-7473 rev. 5/19/2020



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 T or 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.
21. The design does not take into account any dynamic or other loads other than those expressly stated.