

Trenco

818 Soundside Rd
Edenton, NC 27932

Re: B0318-1077
Roosevelt B

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: E11202025 thru E11202048

My license renewal date for the state of North Carolina is December 31, 2017.

North Carolina COA: C-0844

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



November 22, 2017

Gilbert, Eric

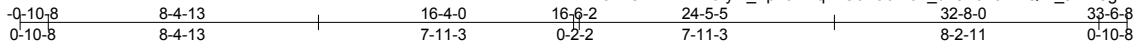
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to Trenco. Any project specific information included is for Trenco's customer's 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 the design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job B0318-1077	Truss A1	Truss Type COMMON	Qty 6	Ply 1	Roosevelt B	E11202025
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:13 2017 Page 1

ID:3vEs44?mxllmaiyl?_Tpv0zl7qB-GcRa6M67_dhsP9z6YHQW_JkrD9gr?NW9hNEgF2yGeVe



5x5 =

Scale = 1:71.6

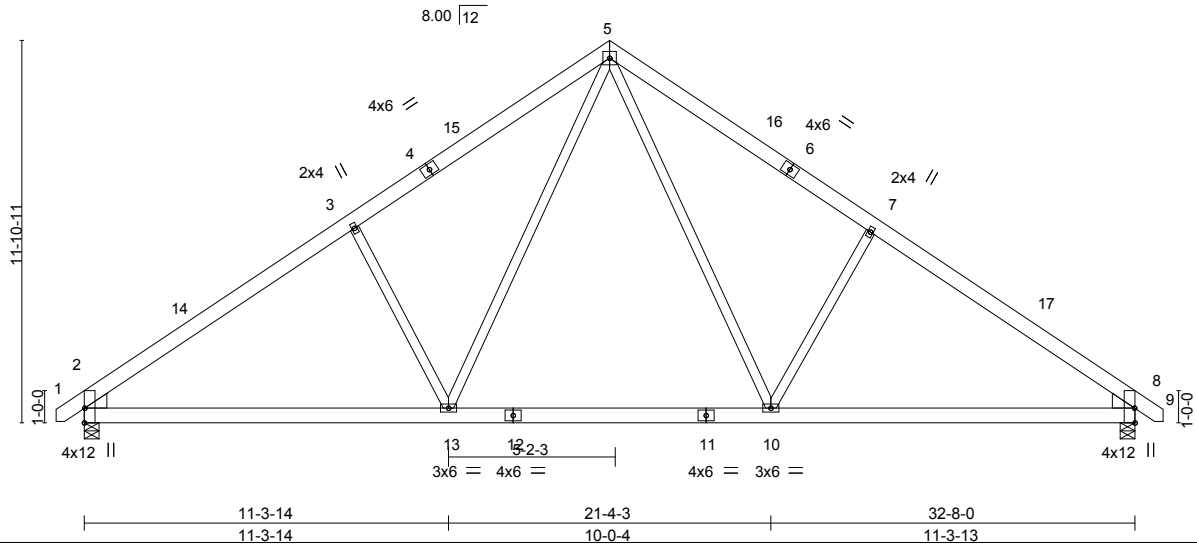


Plate Offsets (X,Y)-- [2:0-0-1,0-0-1], [2:0-0-2,0-5-11], [2:Edge,0-0-3], [8:0-0-1,0-0-1], [8:0-0-2,0-5-11], [8:Edge,0-0-3]

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 0.39	Vert(LL)	-0.20 10-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.47	Vert(TL)	-0.29 2-13	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.55	Horz(TL)	0.05 8	n/a	n/a		
BCDL 10.0	Code IRC2009/TP12007		Matrix-S	Wind(LL)	0.04 2-13	>999	240	Weight: 232 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x6 SP No.1, Right: 2x6 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-0-5 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

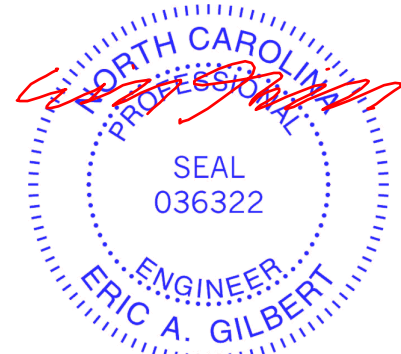
(lb/size) 2=1547/0-5-8, 8=1547/0-5-8
 Max Horz 2=-317(LC 4)
 Max Uplift 2=-130(LC 6), 8=-130(LC 7)

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

TOP CHORD 2-3=-2153/429, 3-5=-1915/528, 5-7=-1914/522, 7-8=-2157/432
 BOT CHORD 2-13=-206/1627, 10-13=0/1134, 8-10=-211/1632
 WEBS 3-13=-373/307, 5-13=-187/861, 5-10=-180/850, 7-10=-370/306

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-15 to 3-7-14, Interior(1) 3-7-14 to 11-11-3, Exterior(2) 11-11-3 to 16-4-0, Interior(1) 20-8-13 to 29-0-2 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=130, 8=130.



November 22, 2017

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/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

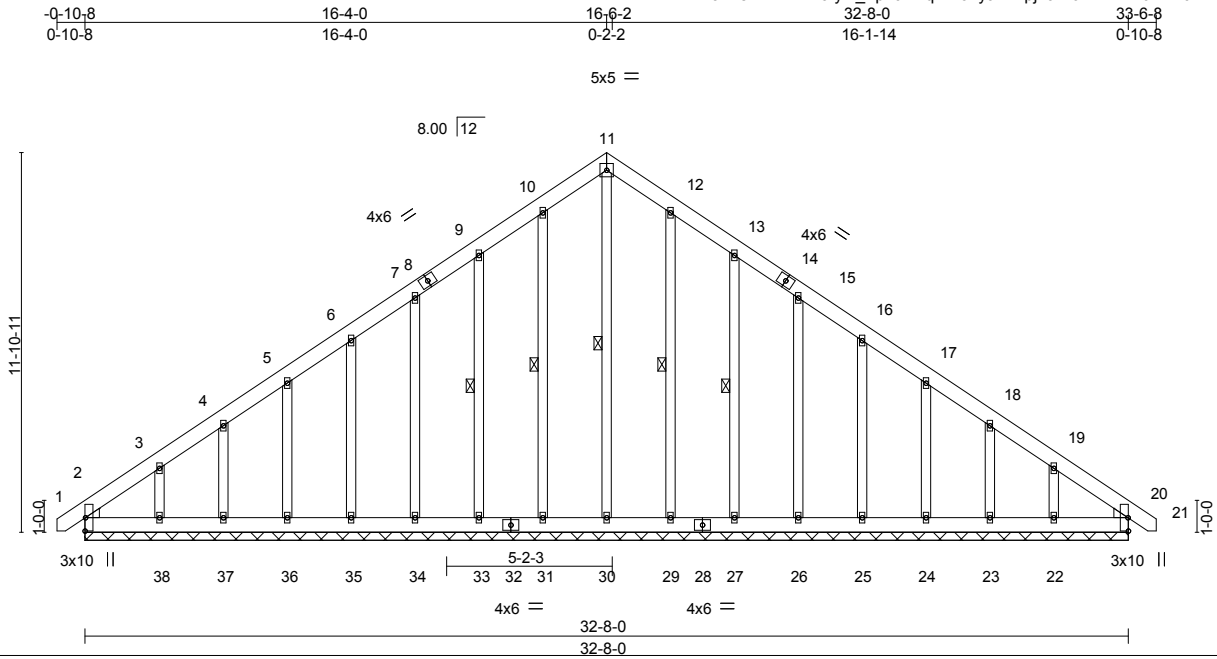


818 Soundside Road
 Edenton, NC 27932

Job B0318-1077	Truss A1-GE	Truss Type GABLE	Qty 1	Ply 1	Roosevelt B	E11202026
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:14 2017 Page 1
ID:3vEs44?mxllmaiyl?_Tpv0zl7qB-ko?yJi7llxpj1JYI6?xlWXH6HZ70kxLlv1zEnUyGeVd



Scale = 1:72.1

Plate Offsets (X,Y)-- [2:0-0-1,0-0-1], [2:0-0-2,0-3-11], [20:0-0-1,0-0-1], [20:0-0-2,0-3-11]

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	20	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(TL)	0.00	20	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.13	Horz(TL)	0.01	20	n/a		
BCDL 10.0	Code IRC2009/TPI2007		Matrix-S						
								Weight: 309 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

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 11-30, 10-31, 9-33, 12-29, 13-27

REACTIONS.

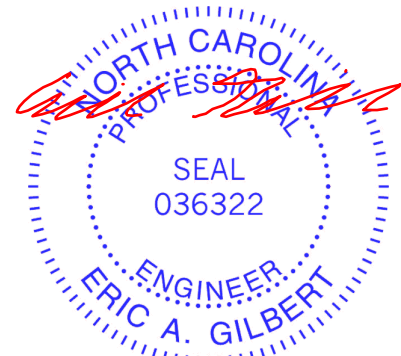
All bearings 32-8-0.
(lb) - Max Horz 2=-396(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) 20, 31, 34, 35, 36, 37, 29, 26, 25, 24, 23 except 2=-134(LC 4),
33=-103(LC 6), 38=-164(LC 6), 27=-105(LC 7), 22=-155(LC 7)
Max Grav All reactions 250 lb or less at joint(s) 2, 20, 30, 31, 33, 34, 35, 36, 37, 38, 29, 27, 26, 25, 24,
23, 22

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-394/242, 3-4=-293/209, 9-10=-68/261, 10-11=-67/285, 11-12=-67/285,
19-20=-285/103
BOT CHORD 2-38=-74/256, 37-38=-74/256, 36-37=-74/256, 35-36=-74/256, 34-35=-74/256,
33-34=-74/256, 31-33=-74/256, 30-31=-74/256, 29-30=-74/256, 27-29=-74/256,
26-27=-74/256, 25-26=-74/256, 24-25=-74/256, 23-24=-74/256, 22-23=-74/256,
20-22=-74/256

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) -0-8-15 to 3-7-14, Exterior(2) 3-7-14 to 11-11-3, Corner(3) 11-11-3 to 16-4-0, Exterior(2) 20-8-13 to 29-0-2 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 31, 34, 35, 36, 37, 29, 26, 25, 24, 23 except (jt=lb) 2=134, 33=103, 38=164, 27=105, 22=155.



November 22, 2017

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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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



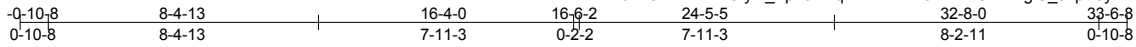
818 Soundside Road
Edenton, NC 27932

Job B0318-1077	Truss A1P	Truss Type COMMON	Qty 5	Ply 1	Roosevelt B	E11202027
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Comtech, Inc., Fayetteville, NC 28309

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ID:3vEs44?mxllmaiyl?_Tpv0zl7qB-D?ZLX28NWFxfafT7VgiS_3kpAjyMATDHR8hjnJxyGeVc



5x5 =

Scale = 1:71.6

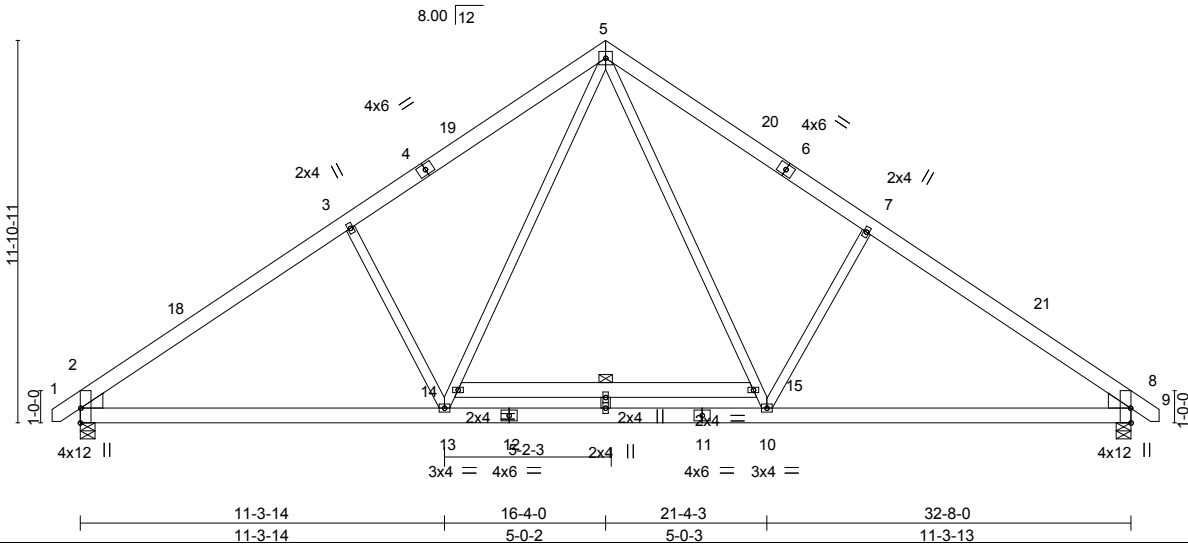


Plate Offsets (X,Y)-- [2:0-0-1,0-0-1], [2:0-0-2,0-5-11], [2:Edge,0-0-3], [8:0-0-1,0-0-1], [8:0-0-2,0-5-11], [8:Edge,0-0-3]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.48	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.48	Vert(LL) -0.11 2-13 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.72	Vert(TL) -0.30 2-13 >999 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-S	Horz(TL) 0.06 8 n/a n/a		
	Code IRC2009/TPI2007		Wind(LL) 0.05 2-13 >999 240	Weight: 254 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.3 *Except*
 14-15: 2x6 SP No.1

WEDGE
 Left: 2x6 SP No.1, Right: 2x6 SP No.1

REACTIONS. (lb/size) 2=1632/0-5-8, 8=1632/0-5-8
 Max Horz 2=-317(LC 4)
 Max Uplift 2=-166(LC 6), 8=-166(LC 7)

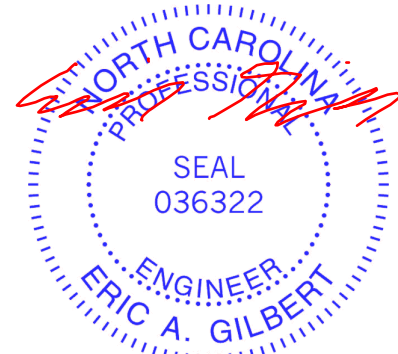
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2236/557, 3-5=-2027/655, 5-7=-2025/649, 7-8=-2240/560
 BOT CHORD 2-13=-308/1719, 10-13=-118/1373, 8-10=-313/1724
 WEBS 3-13=-373/300, 13-14=-174/602, 5-14=-265/931, 5-15=-258/920, 10-15=-167/592,
 7-10=-370/299

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-15 to 3-7-14, Interior(1) 3-7-14 to 11-11-3, Exterior(2) 11-11-3 to 16-4-0, Interior(1) 20-8-13 to 29-0-2 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=166, 8=166.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-5=-60, 5-9=-60, 2-8=-20, 14-15=-60



November 22, 2017

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818 Soundside Road
 Edenton, NC 27932

Job B0318-1077	Truss A2	Truss Type Roof Special	Qty 3	Ply 1	Roosevelt B	E11202028
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Comtech, Inc., Fayetteville, NC 28309

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Job Reference (optional)

0-10-8	2-5-8	4-7-8	6-8-12	11-0-0	16-4-0	16-6-2	24-5-5	32-8-0	33-6-8
0-10-8	2-5-8	2-2-0	2-1-4	4-3-4	5-4-0	0-2-2	7-11-3	8-2-11	0-10-8

5x5 =

Scale = 1:78.6

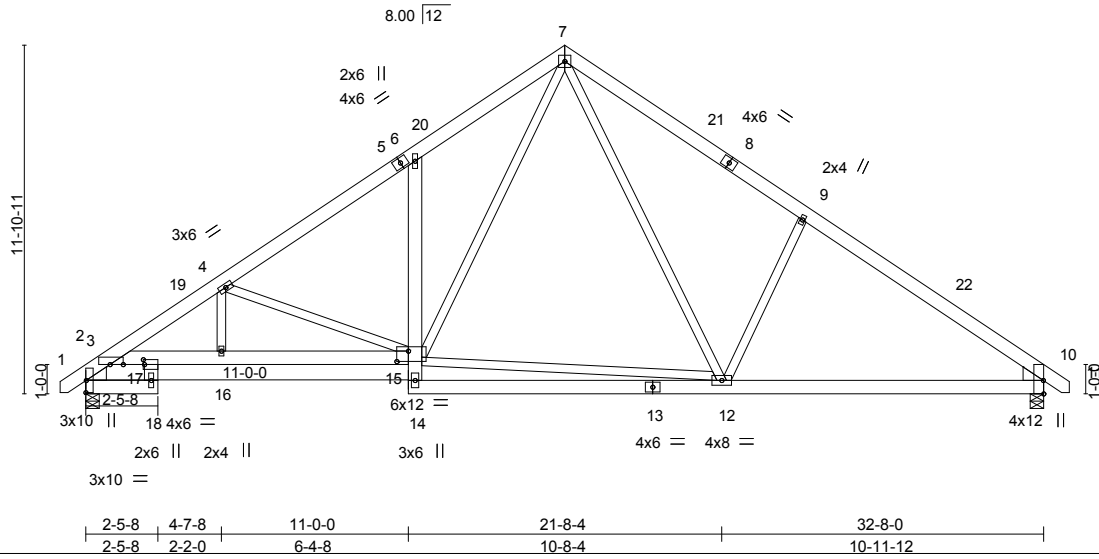


Plate Offsets (X,Y)--	[2:0-0-1,0-0-1], [2:0-0-2,0-5-11], [3:0-5-6,0-0-0], [10:0-0-2,0-5-11], [10:0-0-1,0-0-1], [10:Edge,0-0-3], [15:0-4-12,0-4-4], [17:0-0-8,0-2-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.32	Vert(LL)	-0.08	12-14	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.48	Vert(TL)	-0.23	12-14	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.73	Horz(TL)	0.10	10	n/a		
BCDL 10.0	Code IRC2009/TPI2007		Matrix-S	Wind(LL)	0.05	6	>999		
								Weight: 272 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x6 SP No.1, Right: 2x6 SP No.1

BRACING-

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

REACTIONS.

(lb/size) 2=1347/0-5-8, 10=1347/0-5-8
 Max Horz 2=-317(LC 4)
 Max Uplift 2=-130(LC 6), 10=-130(LC 7)

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

TOP CHORD 2-3=-1404/316, 3-4=-2391/504, 4-6=-1737/444, 6-7=-1674/615, 7-9=-1592/538,
 9-10=-1780/427
 BOT CHORD 2-18=-145/444, 3-17=-244/1529, 16-17=-326/1973, 15-16=-326/1973, 6-15=-356/254,
 12-14=0/283, 10-12=-208/1355
 WEBS 7-15=-285/867, 7-12=-191/623, 9-12=-397/314, 4-15=-662/217, 4-16=0/375,
 12-15=0/662

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-15 to 3-7-14, Interior(1) 3-7-14 to 11-11-3, Exterior(2) 11-11-3 to 16-4-0, Interior(1) 20-8-13 to 29-0-2 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=130, 10=130.



November 22, 2017

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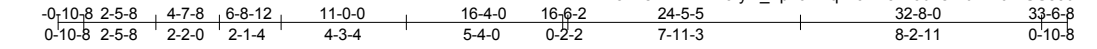
818 Soundside Road
 Edenton, NC 27932

Job B0318-1077	Truss A2-GE	Truss Type GABLE	Qty 1	Ply 1	Roosevelt B	E11202029
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Comtech, Inc., Fayetteville, NC 28309

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ID:3vEs44?mxllmaiyl?_Tpv0zl7qB-9Nh5xk9d2sBlumHtn7US89uYm2ew58kc?CuOpyGeVa



Scale = 1:78.6

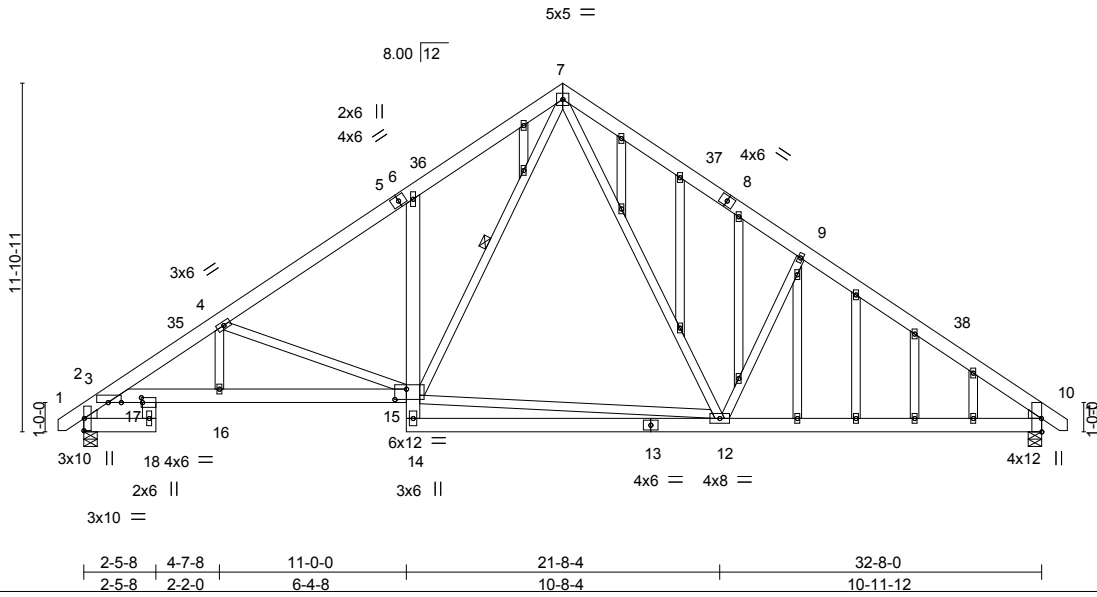


Plate Offsets (X,Y)--	[2:0-0-1,0-0-1], [2:0-0-2,0-3-11], [3:0-5-6,0-0-0], [10:0-0-2,0-3-11], [10:0-0-1,0-0-1], [10:Edge,0-0-3], [15:0-4-12,0-4-4], [17:0-0-8,0-2-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.37	Vert(LL) -0.08	12-14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.48	Vert(TL) -0.23	12-14	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.89	Horz(TL) 0.10	10	n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-S	Wind(LL) 0.07	6	>999	240		
							Weight: 315 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3

WEDGE
 Left: 2x4 SP 2400F 2.0E, Right: 2x4 SP 2400F 2.0E

BRACING-

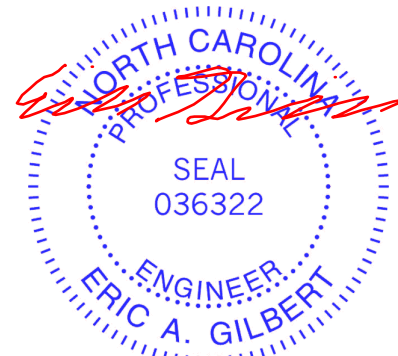
TOP CHORD Structural wood sheathing directly applied or 4-11-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 7-15

REACTIONS. (lb/size) 2=1347/0-5-8, 10=1347/0-5-8
 Max Horz 2=-396(LC 4)
 Max Uplift 2=-356(LC 6), 10=-356(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1404/323, 3-4=-2391/613, 4-6=-1737/463, 6-7=-1674/671, 7-9=-1592/565, 9-10=-1780/436
 BOT CHORD 2-18=-200/444, 3-17=-400/1529, 16-17=-578/1973, 15-16=-578/1973, 6-15=-356/328, 12-14=-21/283, 10-12=-222/1355
 WEBS 7-15=-419/867, 7-12=-297/623, 9-12=-397/409, 4-15=-662/339, 4-16=-18/375, 12-15=-46/662

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -0-8-15 to 3-7-14, Interior(1) 3-7-14 to 11-11-3, Exterior(2) 11-11-3 to 16-4-0, Interior(1) 20-8-13 to 29-0-2 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=356, 10=356.



November 22, 2017

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 B0318-1077	Truss A3	Truss Type ROOF SPECIAL	Qty 2	Ply 1	Roosevelt B	E11202030
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:18 2017 Page 1

ID:3vEs44?mxllmai!/?_Tpv0z17qB-daFT94AFpAJ9Wws4Lq?hhNRiWAM_fZOuqfxRwGyGeVZ

0-10-8 2-5-8 | 4-7-8 | 6-8-12 | 11-0-0 | 16-4-0 | 16-6-2 | 24-5-5 | 32-8-0 | 33-6-8
 0-10-8 2-5-8 | 2-2-0 | 2-1-4 | 4-3-4 | 5-4-0 | 0-2-2 | 7-11-3 | 8-2-11 | 0-10-8

Scale = 1:79.8

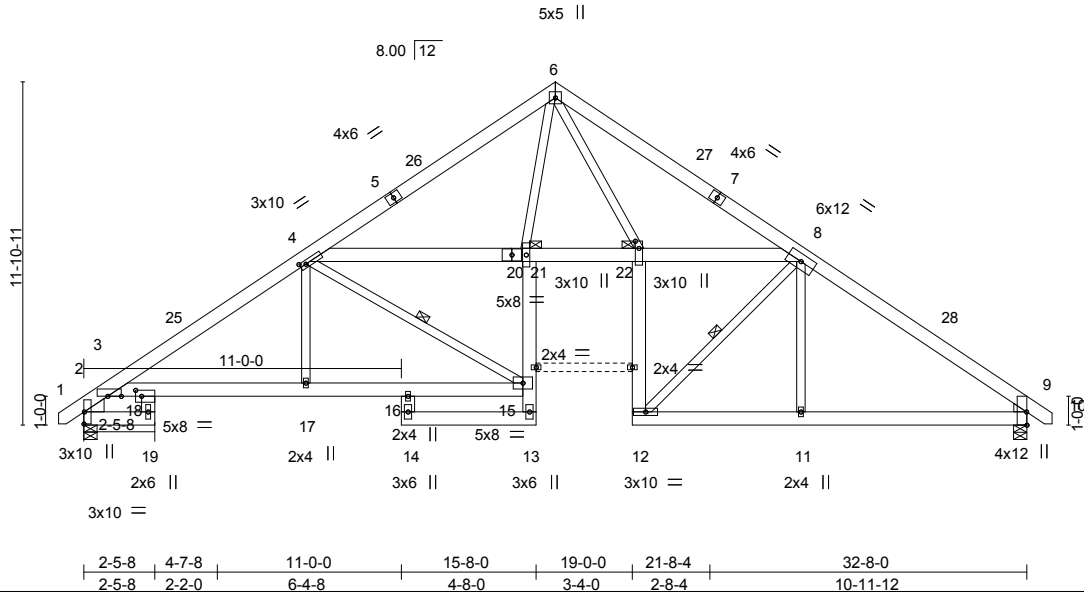


Plate Offsets (X,Y)--	[2:0-0-1,0-0-1], [2:0-0-2,0-5-11], [3:0-5-10,0-0-0], [4:0-2-8,0-1-8], [9:0-0-2,0-3-11], [9:0-0-1,0-0-1], [9:Edge,0-0-3], [18:0-2-8,0-2-8], [22:0-3-0,0-1-8]
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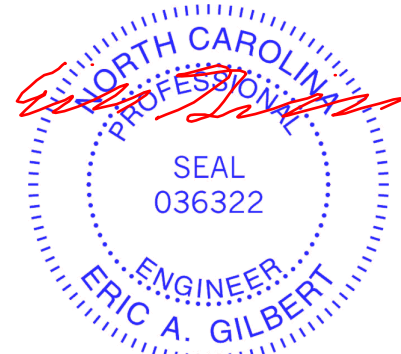
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.39	Vert(LL) -0.17	12	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.60	Vert(TL) -0.39	12	>980	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.83	Horz(TL) 0.45	9	n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-S	Wind(LL) 0.11	15	>999	240		
							Weight: 308 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 4-2-13 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except*	WEBS 1 Row at midpt 8-12, 4-15
4-20,13-21,12-22,14-16,8-20: 2x6 SP No.1	JOINTS 1 Brace at Jt(s): 21, 22
OTHERS 2x4 SP No.3	
WEDGE	
Left: 2x6 SP No.1, Right: 2x4 SP 2400F 2.0E	

REACTIONS. (lb/size) 2=1311/0-5-8, 9=1306/0-5-8
 Max Horz 2=-317(LC 4)
 Max Uplift 2=-148(LC 6), 9=-150(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1385/363, 3-4=-2038/504, 4-6=-2448/503, 6-8=-3052/607, 8-9=-1773/451
 BOT CHORD 2-19=-176/480, 3-18=-138/1166, 17-18=-273/1645, 16-17=-276/1633, 15-16=-276/1633,
 11-12=-231/1320, 9-11=-230/1323
 WEBS 4-21=-54/1917, 21-22=-30/1733, 8-22=-138/2414, 15-21=-140/1090, 12-22=-223/1434,
 8-12=-1918/336, 8-11=0/316, 4-15=-1941/327, 6-21=-145/1093, 6-22=-239/1505,
 4-17=0/420

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TC DL=6.0psf; BC DL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-15 to 3-7-14, Interior(1) 3-7-14 to 11-11-3, Exterior(2) 11-11-3 to 16-4-0, Interior(1) 20-8-13 to 29-0-2 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=148, 9=150.



November 22, 2017

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

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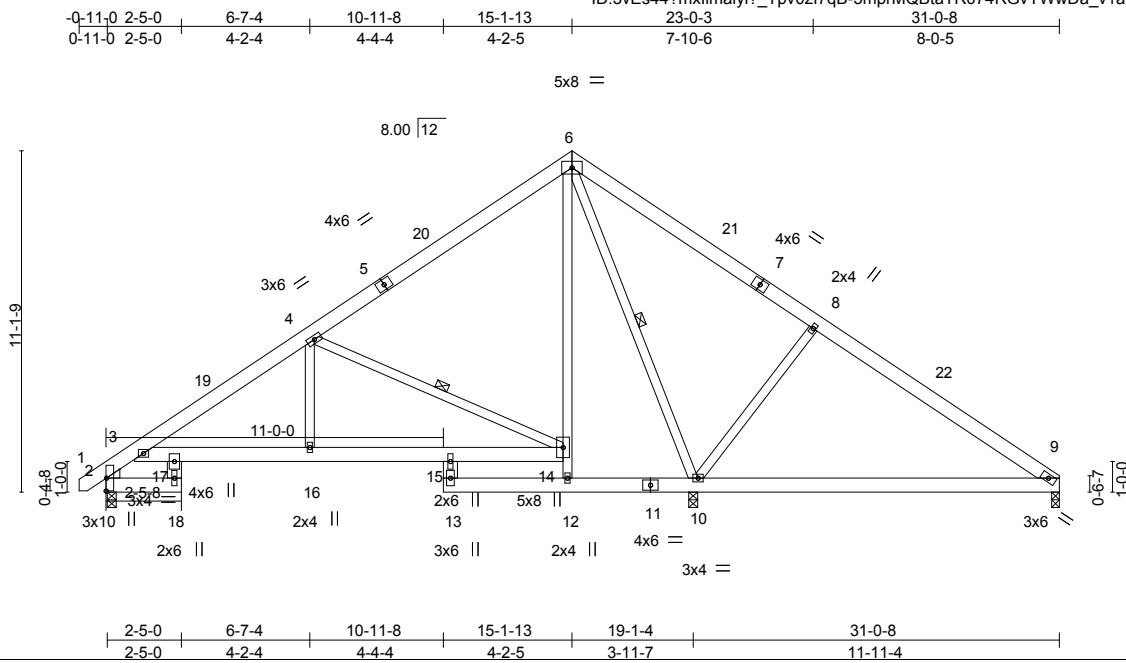


818 Soundside Road
 Edenton, NC 27932

Job B0318-1077	Truss B1	Truss Type ROOF SPECIAL	Qty 2	Ply 1	Roosevelt B	E11202031
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:19 2017 Page 1
 ID:3vEs44?mxllmaiyl?_Tpv0z17qB-5mprMQBtaTR074RGvYwWda_v1al_O2U13Jh?SiyGeVy



Scale = 1:75.1

Plate Offsets (X,Y)--		[2:0-0-1,0-0-1], [2:0-0-2,0-3-11]							
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 0.31	Vert(LL) -0.12	9-10	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15		BC 0.36	Vert(TL) -0.29	9-10	>479	240		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.64	Horz(TL) 0.06	9	n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007		Matrix-S	Wind(LL) 0.04	16-17	>999	240	Weight: 238 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 BOT CHORD 6-0-0 oc bracing: 9-10.
 WEBS 1 Row at midpt 6-10, 4-14

REACTIONS.

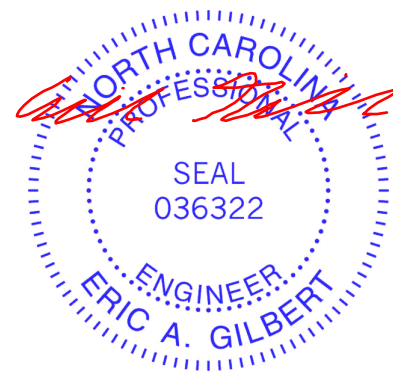
(lb/size) 2=735/0-3-8, 10=1648/0-3-8, 9=303/0-3-0
 Max Horz 2=-296(LC 4)
 Max Uplift 2=-91(LC 6), 10=-82(LC 6), 9=-90(LC 4)
 Max Grav 2=735(LC 1), 10=1648(LC 1), 9=357(LC 11)

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

TOP CHORD 2-3=-755/201, 3-4=-1039/255, 4-6=-315/225, 6-8=-50/389
 BOT CHORD 2-18=-148/306, 3-17=-72/525, 16-17=-221/831, 15-16=-221/831, 14-15=-231/715
 WEBS 6-10=-995/129, 8-10=-475/323, 6-14=-87/437, 4-14=-775/266, 4-16=0/407

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-15 to 3-7-14, Interior(1) 3-7-14 to 10-9-8, Exterior(2) 10-9-8 to 15-2-5, Interior(1) 19-7-2 to 26-6-11 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 9.



November 22,2017

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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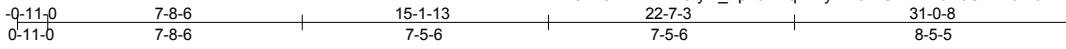


818 Soundside Road
 Edenton, NC 27932

Job B0318-1077	Truss B2	Truss Type COMMON	Qty 1	Ply 1	Roosevelt B	E11202032
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:20 2017 Page 1
ID:3vEs44?mxllmaiyl?_Tpv0zl7qB-ZyMEamCWKnZiE0STF29moW4mz577XjAlyQY_8yGeVX



Scale = 1:69.7

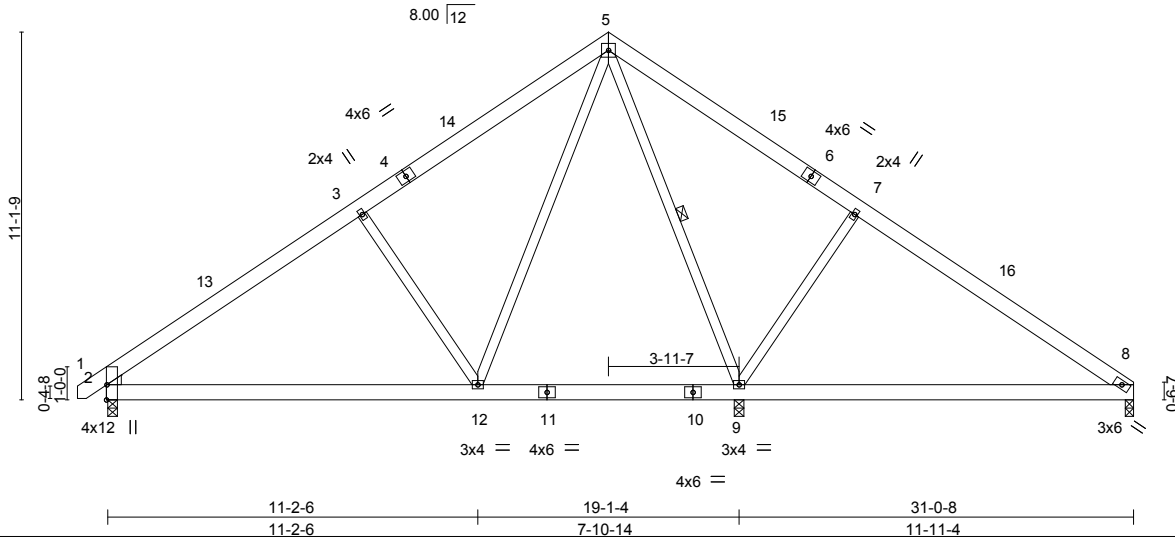


Plate Offsets (X,Y)-- [2:0-0-1,0-0-1], [2:0-0-2,0-3-11], [2:Edge,0-0-3]

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 0.38	Vert(LL) -0.13 8-9 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.52	Vert(TL) -0.34 8-9 >420 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(TL) 0.01 8 n/a n/a		
	Code IRC2009/TPI2007		Wind(LL) 0.03 2-12 >999 240	Weight: 214 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-

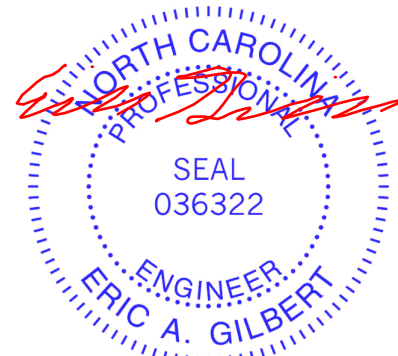
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-9

REACTIONS. (lb/size) 2=859/0-3-8, 9=1538/0-3-8, 8=438/0-3-0
Max Horz 2=-296(LC 4)
Max Uplift 2=-90(LC 6), 9=-103(LC 7), 8=-27(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-984/224, 3-5=-758/286, 7-8=-361/98
BOT CHORD 2-12=-198/724, 9-12=-64/255
WEBS 3-12=-398/299, 5-12=-170/746, 5-9=-799/150, 7-9=-473/328

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-15 to 3-7-14, Interior(1) 3-7-14 to 10-9-8, Exterior(2) 10-9-8 to 15-2-5, Interior(1) 19-7-2 to 26-6-11 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8 except (jt=lb) 9=103.



November 22, 2017

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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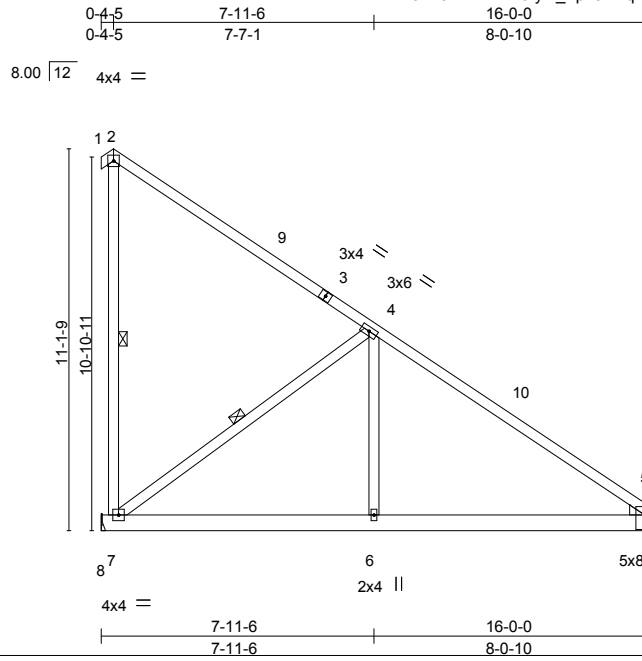


818 Soundside Road
Edenton, NC 27932

Job B0318-1077	Truss B3	Truss Type COMMON	Qty 4	Ply 1	Roosevelt B	E11202033
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:20 2017 Page 1
ID:3vEs44?mxllmaiyl?_Tpv0zl7qB-ZyMEamCWKnZtlE0STF29moW_Pz6S7bpAlyQY_8yGeVX



Scale = 1:67.2

Plate Offsets (X,Y)-- [5:0-0-10,0-0-15], [5:0-1-5,0-5-7], [5:Edge,0-1-15]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.65	Vert(LL)	-0.03	6-7	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.28	Vert(TL)	-0.09	6-7	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.32	Horz(TL)	0.01	5	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL)	0.02	5-6	>999		
	Code IRC2009/TP12007						Weight: 104 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-7, 2-7

REACTIONS. (lb/size) 8=639/Mechanical, 5=635/Mechanical
Max Horz 8=-335(LC 7)
Max Uplift 8=-194(LC 7)

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

TOP CHORD 4-5=-794/0
BOT CHORD 7-8=-26/422, 6-7=0/551, 5-6=0/551
WEBS 4-7=-677/312, 4-6=0/411

NOTES-

- 1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) 0-0-0 to 4-9-2, Interior(1) 4-9-2 to 11-6-7, Exterior(2) 11-6-7 to 15-11-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=194.



November 22, 2017

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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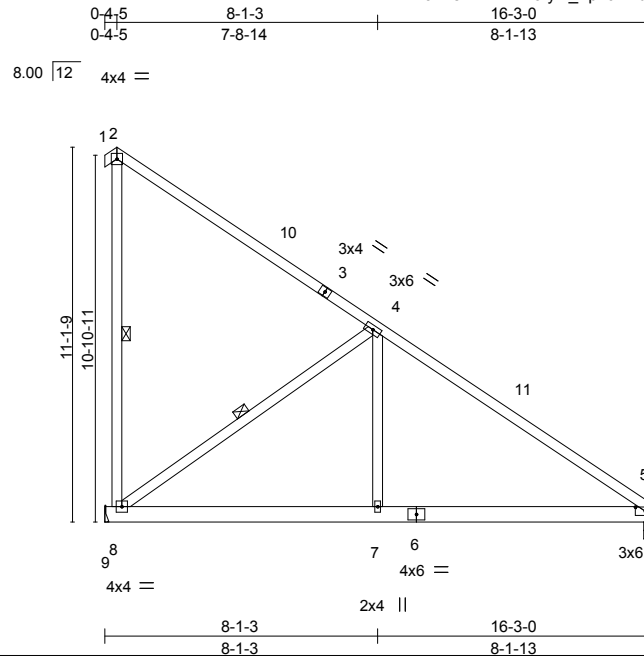


818 Soundside Road
Edenton, NC 27932

Job B0318-1077	Truss B4	Truss Type COMMON	Qty 3	Ply 1	Roosevelt B	E11202034
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:21 2017 Page 1
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Scale = 1:68.4

Plate Offsets (X,Y)-- [5:0-3-9,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.66	Vert(LL)	-0.03	7-8	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.26	Vert(TL)	-0.10	7-8	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.33	Horz(TL)	0.01	5	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL)	0.02	5-7	>999		
	Code IRC2009/TP12007						Weight: 104 lb	FT = 20%

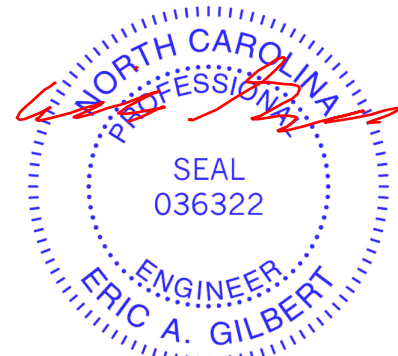
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-8, 2-8

REACTIONS. (lb/size) 5=642/0-3-0, 9=646/Mechanical
Max Horz 9=-335(LC 7)
Max Uplift 9=-194(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-815/0
BOT CHORD 8-9=-26/421, 7-8=0/574, 5-7=0/574
WEBS 4-8=-696/312, 4-7=0/415

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) 0-0-0 to 4-9-2, Interior(1) 4-9-2 to 11-8-11, Exterior(2) 11-8-11 to 16-1-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=194.



November 22, 2017

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/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



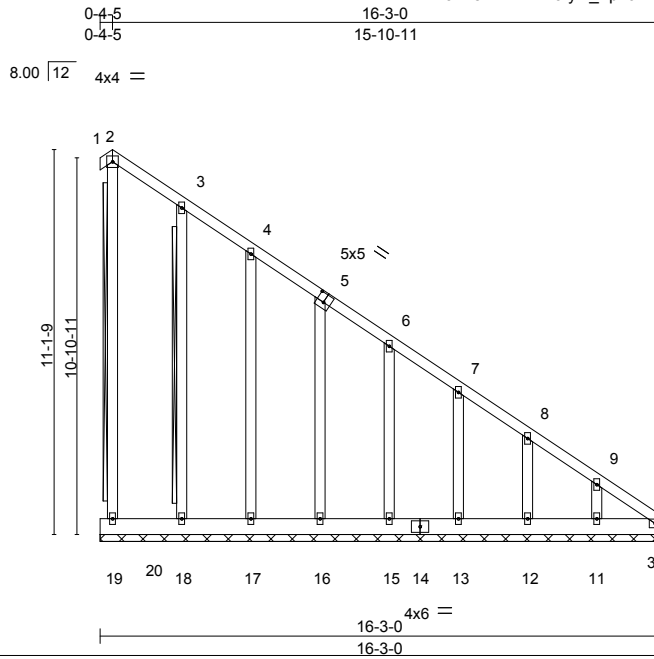
818 Soundside Road
Edenton, NC 27932

Job B0318-1077	Truss B5-GE	Truss Type COMMON SUPPORTED GAB	Qty 1	Ply 1	Roosevelt B	E11202035
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:22 2017 Page 1

ID:3vEs44?mxllmaiyl?_Tpv0zl7qB-VLU_?RDmsOpp_X9rag4drDcSsns5bWuTIGvf31yGeVV



Scale = 1:66.6

Plate Offsets (X,Y)-- [5:0-2-8:0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.14	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.02	Vert(TL)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.22	Horz(TL)	0.01	19	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S						
	Code IRC2009/TP12007						Weight: 136 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1
 BOT CHORD 2x6 SP No.1
 OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS T-Brace: 2x4 SP No.3 - 2-19, 3-18
 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.

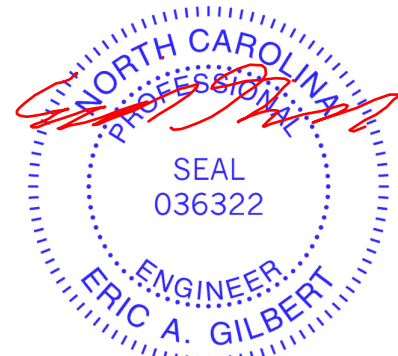
All bearings 16-5-8.
 (lb) - Max Horz 1=340(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 10, 18, 17, 16, 15, 13, 12, 11, 20
 Max Grav All reactions 250 lb or less at joint(s) 1, 10, 17, 16, 15, 13, 12, 11 except 19=253(LC 7), 18=254(LC 1)

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

TOP CHORD 1-2=-17/443, 2-3=-39/515, 3-4=-33/475, 4-5=-36/393, 5-6=-33/326, 6-7=-38/260
 WEBS 2-19=-312/1

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Corner(3) 0-0-0 to 4-9-2, Exterior(2) 4-9-2 to 11-10-3, Corner(3) 11-10-3 to 16-3-0 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/TP1 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 10, 18, 17, 16, 15, 13, 12, 11, 20.
- Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



November 22, 2017

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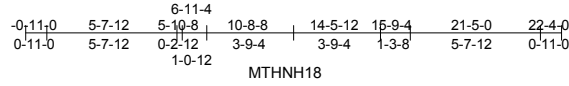


818 Soundside Road
 Edenton, NC 27932

Job B0318-1077	Truss C1	Truss Type ATTIC	Qty 3	Ply 1	Roosevelt B	E11202036
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:23 2017 Page 1
ID:3vEs44?mxllmai?_Tpv0zl7qB-_X2MCnEOdixSchk18ObsNQ8YcB3AKItD_wfCbTyGeVU



Scale = 1:100.0

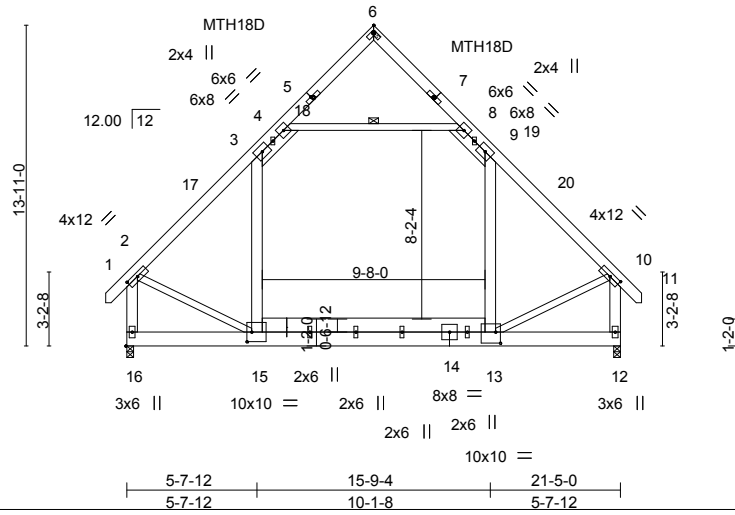


Plate Offsets (X,Y)-- [2:0-6-0,0-1-12], [5:0-0-11,0-1-2], [6:0-2-12,0-2-12], [7:1-9-15,17-0-15], [10:0-5-12,0-2-0], [13:0-2-8,0-5-12], [15:0-2-8,0-5-0]

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 0.46	Vert(LL)	-0.17	13-15	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.60	Vert(TL)	-0.29	13-15	>880	MT18HS	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.58	Horz(TL)	0.01	12	n/a		
BCDL 10.0	Code IRC2009/TP12007		Matrix-S	Wind(LL)	0.19	15	>999		
								Weight: 260 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
BOT CHORD 2x8 SP No.1
WEBS 2x6 SP No.1 *Except*
4-8: 2x4 SP No.1, 2-15,10-13: 2x4 SP No.3, 13-15: 2x8 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-9-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-10-6 oc bracing.
WEBS 1 Row at midpt 4-8

REACTIONS.

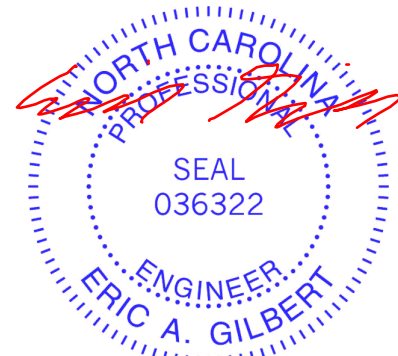
(lb/size) 16=1590/0-3-8, 12=1590/0-3-8
Max Horz 16=-370(LC 4)
Max Uplift 16=-13(LC 7), 12=-13(LC 6)

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

TOP CHORD 2-3=-1470/106, 3-4=-921/172, 8-9=-921/172, 9-10=-1470/105, 2-16=-1665/90, 10-12=-1665/91
BOT CHORD 15-16=-412/423, 13-15=0/897
WEBS 4-8=-808/235, 3-15=-206/563, 9-13=-206/563, 2-15=-20/916, 10-13=-22/916

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-9-2 to 3-7-11, Interior(1) 3-7-11 to 6-4-3, Exterior(2) 6-4-3 to 10-9-0, Interior(1) 15-1-13 to 17-10-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are MT20 plates unless otherwise indicated.
- Attach MiTek MTHNH18 (Half and Half Plate) on each face of truss with USP NA11 nails (0.131" x 1.5") in pre-punched holes provided. All nail holes must be filled (5 Nails per side 10 nails total).
- See HINGE PLATE DETAILS for plate placement.
- Provisions must be made to prevent lateral movement of hinged member(s) during transportation.
- 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- Ceiling dead load (10.0 psf) on member(s). 3-4, 8-9, 4-8; Wall dead load (5.0psf) on member(s).3-15, 9-13
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 12.
- Attic room checked for L/360 deflection.



November 22,2017

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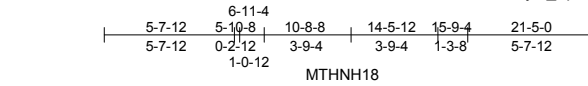


818 Soundside Road
Edenton, NC 27932

Job B0318-1077	Truss C2	Truss Type ATTIC	Qty 3	Ply 1	Roosevelt B	E11202037
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:24 2017 Page 1
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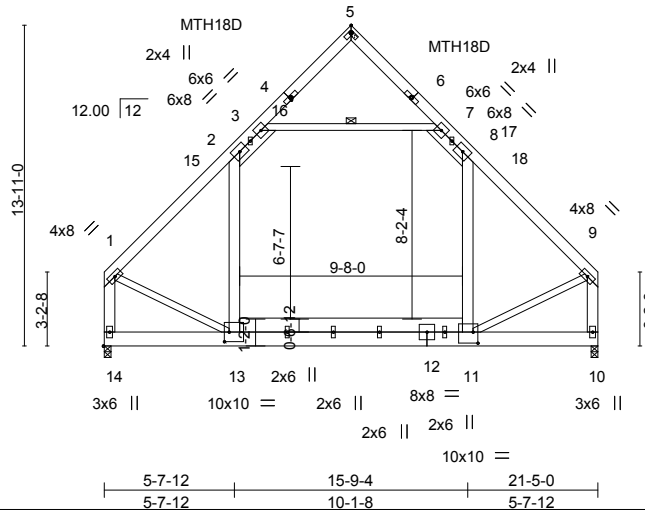


Plate Offsets (X,Y)--	[4:0-0-11,0-1-2], [5:0-2-12,0-2-12], [6:1-9-15,17-0-15], [11:0-2-8,0-5-12], [13:0-2-8,0-5-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.46	Vert(LL)	-0.17 11-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.60	Vert(TL)	-0.29 11-13	>864	240	MT18HS	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.58	Horz(TL)	0.01 10	n/a	n/a		
BCDL 10.0	Code IRC2009/TP12007		Matrix-S	Wind(LL)	0.16 13	>999	240		
								Weight: 255 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 5-7-6 oc purlins, except end verticals.
BOT CHORD 2x8 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x6 SP No.1 *Except* 3-7: 2x4 SP No.1, 1-13,9-11: 2x4 SP No.3, 11-13: 2x8 SP No.1	WEBS 1 Row at midpt 3-7

REACTIONS. (lb/size) 14=1528/0-3-8, 10=1528/0-3-8
Max Horz 14=291(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1462/26, 2-3=-923/168, 7-8=-923/168, 8-9=-1462/26, 1-14=-1604/6, 9-10=-1604/6
BOT CHORD 13-14=-326/330, 11-13=0/900
WEBS 3-7=-811/230, 2-13=-150/553, 8-11=-150/553, 1-13=0/947, 9-11=0/947

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) 0-3-4 to 4-8-1, Interior(1) 4-8-1 to 6-4-3, Exterior(2) 6-4-3 to 10-9-0, Interior(1) 15-1-13 to 16-9-15 zone;C-C for members and floors & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are MT20 plates unless otherwise indicated.
 - Attach MiTek MTHNH18 (Half and Half Plate) on each face of truss with USP NA11 nails (0.131" x 1.5") in pre-punched holes provided. All nail holes must be filled (5 Nails per side 10 nails total).
 - See HINGE PLATE DETAILS for plate placement.
 - Provisions must be made to prevent lateral movement of hinged member(s) during transportation.
 - 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
 - Ceiling dead load (10.0 psf) on member(s). 2-3, 7-8, 3-7; Wall dead load (5.0psf) on member(s).2-13, 8-11
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
 - Attic room checked for L/360 deflection.



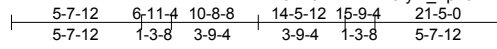
November 22,2017

Job B0318-1077	Truss C3	Truss Type ATTIC	Qty 1	Ply 1	Roosevelt B	E11202038
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:25 2017 Page 1

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MTHNH18

Scale = 1:100.0

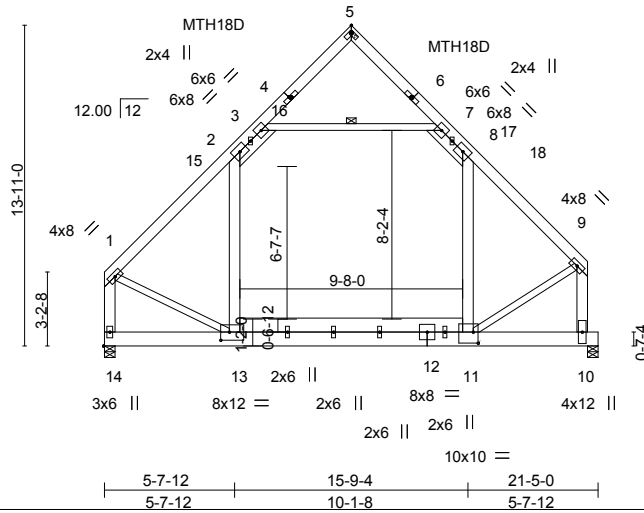


Plate Offsets (X,Y)-- [4:0-0-11,0-1-2], [5:0-2-12,0-2-12], [6:1-9-15,17-0-15], [11:0-2-8,0-5-12], [13:0-4-8,0-4-4]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.43	Vert(LL)	-0.17 11-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.62	Vert(TL)	-0.29 11-13	>840	240	MT18HS	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.57	Horz(TL)	0.01 10	n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007		Matrix-S	Wind(LL)	0.16 13	>999	240		
								Weight: 254 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x8 SP No.1
 WEBS 2x6 SP No.1 *Except*
 3-7: 2x4 SP No.1, 1-13,9-11: 2x4 SP No.3, 11-13: 2x8 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-9-11 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 9-5-9 oc bracing.
 WEBS 1 Row at midpt 3-7

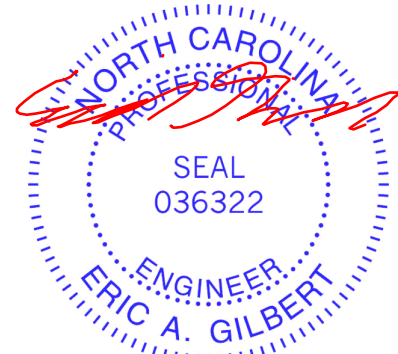
REACTIONS. (lb/size) 14=1494/0-5-8, 10=1525/0-5-8
 Max Horz 14=291(LC 5)

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

TOP CHORD 1-2=-1404/24, 2-3=-897/167, 7-8=-897/167, 8-9=-1397/28, 1-14=-1538/4, 9-10=-1659/0
 BOT CHORD 13-14=-324/318, 11-13=0/863
 WEBS 3-7=-774/228, 2-13=-157/511, 8-11=-157/530, 1-13=0/901, 9-11=0/993

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) 0-3-4 to 4-8-1, Interior(1) 4-8-1 to 6-4-3, Exterior(2) 6-4-3 to 10-9-0, Interior(1) 15-1-13 to 16-4-7 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are MT20 plates unless otherwise indicated.
- Attach MiTek MTHNH18 (Half and Half Plate) on each face of truss with USP NA11 nails (0.131" x 1.5") in pre-punched holes provided. All nail holes must be filled (5 Nails per side 10 nails total).
- See HINGE PLATE DETAILS for plate placement.
- Provisions must be made to prevent lateral movement of hinged member(s) during transportation.
- 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- Ceiling dead load (10.0 psf) on member(s). 2-3, 7-8, 3-7; Wall dead load (5.0psf) on member(s).2-13, 8-11
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
- Attic room checked for L/360 deflection.



November 22, 2017

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Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314. **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**



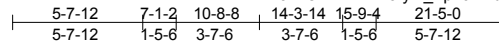
818 Soundside Road
 Edenton, NC 27932

Job B0318-1077	Truss C4	Truss Type ATTIC	Qty 1	Ply 2	Roosevelt B	E11202039
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:26 2017 Page 1

ID:3vEs44?mxllmaiyl?_Tpv0zl7qB-O6kVqpGGwdJ0T9TcPw9Z?3m3YO2aXAY3gutsCoyGeVR



MTHNH18

Scale = 1:100.0

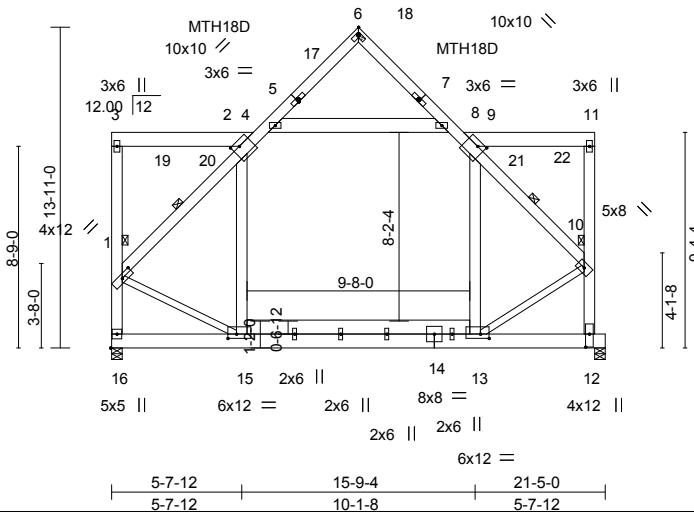


Plate Offsets (X,Y)-- [1:0-6-2,0-1-14], [2:0-3-14,0-2-12], [5:0-0-11,0-1-2], [6:0-2-12,0-2-12], [7:1-9-15,17-0-15], [9:0-3-14,0-2-12], [12:0-6-12,0-2-0], [13:0-4-8,0-2-4], [15:0-4-8,0-2-4]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.42	Vert(LL)	-0.12	13-15	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.75	Vert(TL)	-0.26	13-15	>964	MT18HS	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.85	Horz(TL)	0.01	12	n/a		
BCDL 10.0	Code IRC2009/TPI2007		Matrix-S	Wind(LL)	0.06	13	>999		
								Weight: 631 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
 2-3,9-11: 2x8 SP No.1
 BOT CHORD 2x8 SP No.1
 WEBS 2x6 SP No.1 *Except*
 4-8: 2x8 SP 2400F 2.0E, 1-15,10-13: 2x4 SP No.3
 13-15: 2x8 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Except:
 1 Row at midpt 1-2, 9-10
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 3-16, 11-12

REACTIONS. (lb/size) 16=5960/0-5-8, 12=5600/0-5-8
 Max Horz 16=133(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-4730/0, 2-4=-4822/0, 4-6=-1353/0, 6-8=-1274/0, 8-9=-4747/0, 9-10=-4765/0,
 1-16=-5717/0, 1-3=-653/0, 10-12=-6016/0, 10-11=-392/174
 BOT CHORD 13-15=0/3436
 WEBS 4-8=-2971/0, 2-15=-1545/0, 9-13=-883/395, 1-15=0/3677, 10-13=0/4120

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, 2x8 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- Attach MiTek MTHNH18 (Half and Half Plate) on each face of truss with USP NA11 nails (0.131" x 1.5") in pre-punched holes provided. All nail holes must be filled (5 Nails per side 10 nails total).
- See HINGE PLATE DETAILS for plate placement.
- Provisions must be made to prevent lateral movement of hinged member(s) during transportation.
- 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- Ceiling dead load (10.0 psf) on member(s). 2-4, 8-9, 4-8; Wall dead load (5.0psf) on member(s).2-15, 9-13
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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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 ANSIT/TP1 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 B0318-1077	Truss C4	Truss Type ATTIC	Qty 1	Ply 2	Roosevelt B Job Reference (optional)	E11202039
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:26 2017 Page 2
ID:3vEs44?mxllmaiyl?_Tpv0zl7qB-O6kVqpGGwdJ0T9TcPW9Z?3m3YO2aXAY3gutsCoyGeVR

NOTES-

- 15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 43 lb down and 24 lb up at 0-3-4, 595 lb down at 7-11-12, 595 lb down at 9-5-12, 590 lb down at 11-5-12, 595 lb down at 13-5-12, 398 lb down and 33 lb up at 15-5-7, and 317 lb down and 93 lb up at 17-5-12, and 317 lb down and 93 lb up at 19-5-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 16) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced) + Uninhab. Attic Storage + Attic Floor: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 15-16=-20, 13-15=-120, 12-13=-20, 2-4=-80, 4-6=-60, 6-8=-60, 8-9=-80, 4-8=-490(F=-470), 2-3=-60, 9-11=-60
Drag: 2-15=-10, 9-13=-10

Concentrated Loads (lb)

Vert: 1=-28 5=-555(B) 7=-555(B) 2=-562 9=-358 17=-555(B) 18=-555(B) 19=-562 20=-562 21=-277(B) 22=-277(B)

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 B0318-1077	Truss D1	Truss Type SCISSORS	Qty 3	Ply 1	Roosevelt B	E11202040
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:27 2017 Page 1
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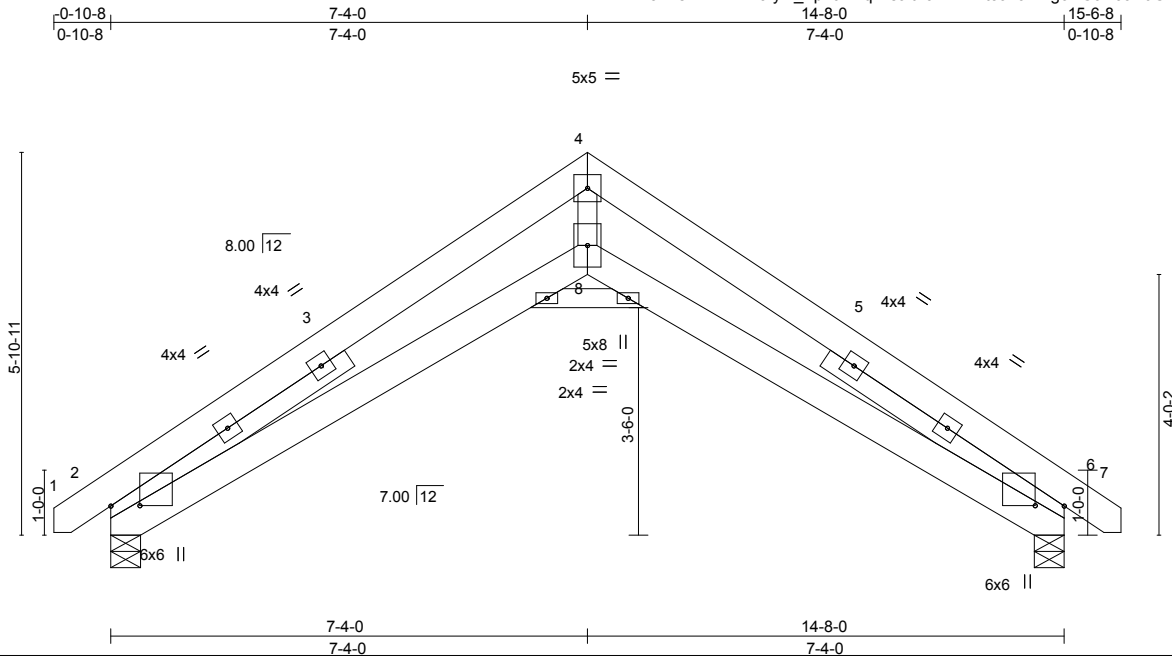


Plate Offsets (X,Y)-- [2:0-0-1,0-5-6], [6:0-0-1,0-5-6]

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) -0.07	8	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.28	Vert(TL) -0.21	8	>822	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.71	Horz(TL) 0.28	6	n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-S	Wind(LL) 0.05	8	>999	240		
							Weight: 104 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.3
 SLIDER Left 2x4 SP No.3 4-5-1, Right 2x4 SP No.3 4-5-1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-9-2 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

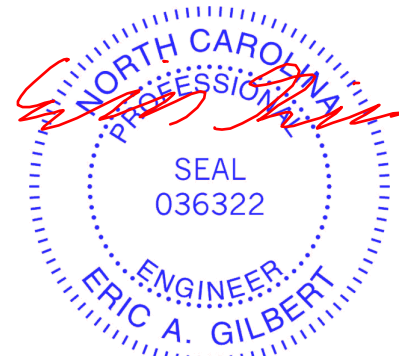
(lb/size) 2=627/0-5-8, 6=627/0-5-8
 Max Horz 2=-190(LC 4)
 Max Uplift 2=-185(LC 6), 6=-185(LC 7)

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

TOP CHORD 2-4=-1871/256, 4-6=-1842/293
 BOT CHORD 2-8=-170/1631, 6-8=-165/1602
 WEBS 4-8=-95/1713

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- Bearing at joint(s) 2, 6 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=185, 6=185.



November 22, 2017

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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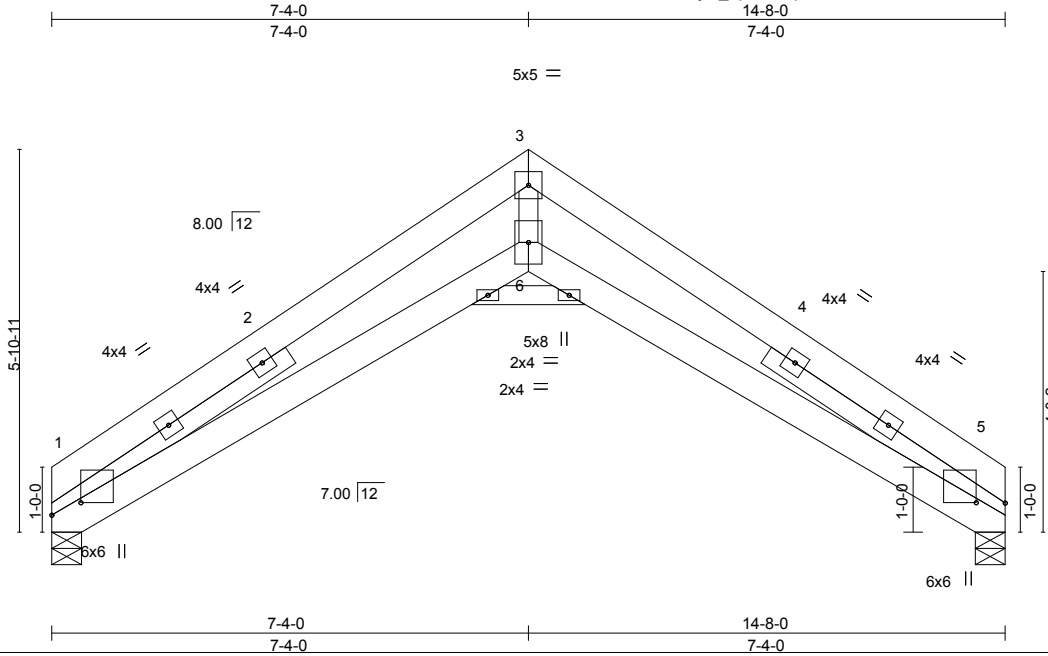


818 Soundside Road
 Edenton, NC 27932

Job B0318-1077	Truss D2	Truss Type SCISSORS	Qty 7	Ply 1	Roosevelt B	E11202041
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:28 2017 Page 1
ID:3vEs44?mxllmaiyl?_Tpv0zI7qB-KVrFFVIXSEZkiSd?xxB14UsSDCrE?6WM7CMzHgyGvP



Scale = 1:35.4

Plate Offsets (X,Y)-- [1:0-2-5,0-5-6], [5:0-0-1,0-5-6]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.21	Vert(LL)	-0.07	6	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.29	Vert(TL)	-0.21	6	>809		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.72	Horz(TL)	0.28	5	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL)	0.04	6	>999		
	Code IRC2009/TPI2007						Weight: 100 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.3
 SLIDER Left 2x4 SP No.3 4-5-1, Right 2x4 SP No.3 4-5-1

BRACING-

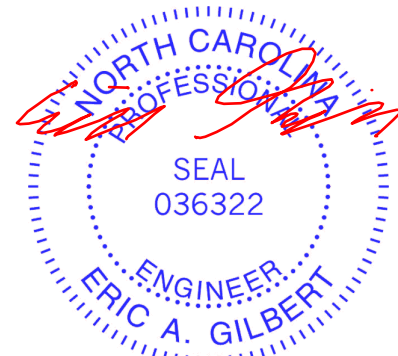
TOP CHORD Structural wood sheathing directly applied or 5-8-8 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=568/0-5-8, 5=568/0-5-8
 Max Horz 1=152(LC 5)
 Max Uplift 1=-39(LC 6), 5=-39(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-3=-1900/250, 3-5=-1869/250
 BOT CHORD 1-6=-83/1658, 5-6=-83/1629
 WEBS 3-6=-14/1744

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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
- 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5.



November 22, 2017

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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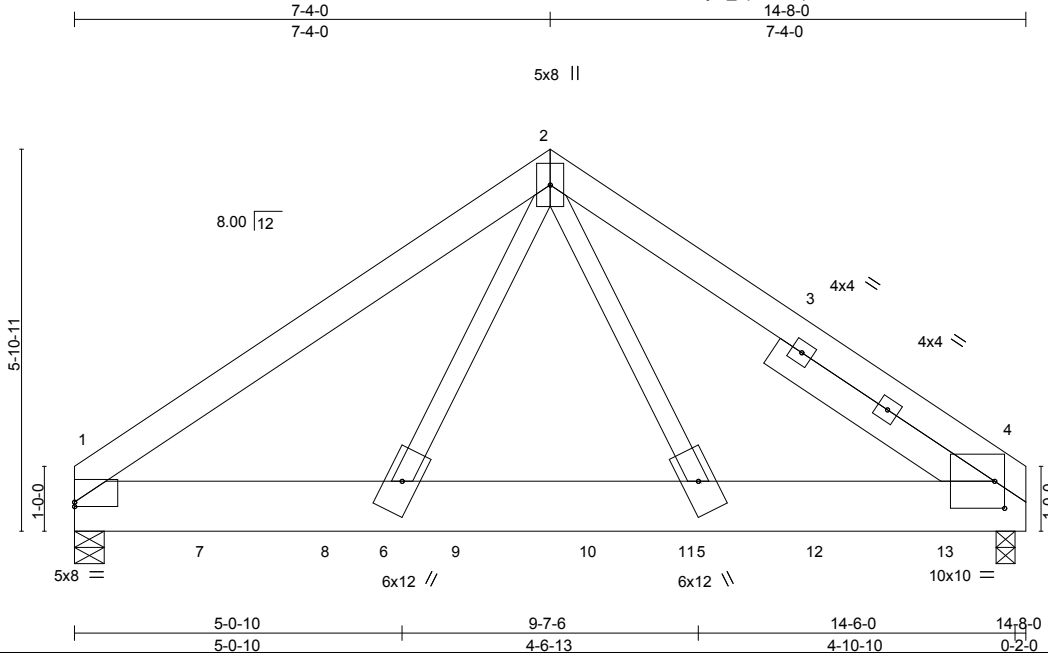


818 Soundside Road
 Edenton, NC 27932

Job B0318-1077	Truss D3-G	Truss Type COMMON GIRDER	Qty 1	Ply 1	Roosevelt B	E11202042
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:28 2017 Page 1
ID:3vEs44?mxllmaiyl?_Tpv0z17qB-KVrFFVIXSEZkiSd?xxB14UsN9Cs4?55M7CMzHgyGeVP



Scale = 1:35.5

Plate Offsets (X,Y)-- [1:0-0-0-0-13], [4:0-3-2,0-0-0], [4:0-9-3,0-1-15], [4:0-1-14,0-5-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.54	Vert(LL) -0.04	5-6	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.23	Vert(TL) -0.11	5-6	>999	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.81	Horz(TL) 0.02	4	n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-S	Wind(LL) 0.05	5-6	>999	240		
							Weight: 125 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
BOT CHORD 2x10 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.1 3-11-10

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(lb/size) 1=2632/0-5-8, 4=2865/0-3-8
Max Horz 1=-145(LC 3)
Max Uplift 1=-758(LC 5), 4=-844(LC 6)

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

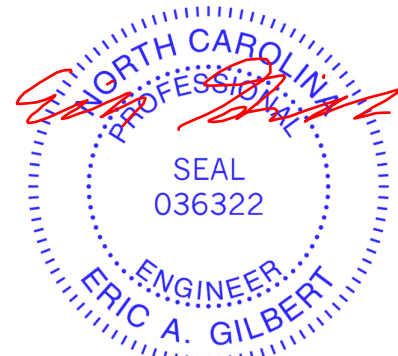
TOP CHORD 1-2=-3460/1024, 2-4=-3445/1026
BOT CHORD 1-6=-768/2683, 5-6=-516/1880, 4-5=-763/2702
WEBS 2-5=-629/1962, 2-6=-599/1920

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TC DL=6.0psf; BC DL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=758, 4=844.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 626 lb down and 217 lb up at 2-0-12, 626 lb down and 217 lb up at 3-11-12, 626 lb down and 217 lb up at 5-11-12, 619 lb down and 218 lb up at 7-11-12, 619 lb down and 218 lb up at 9-5-12, and 619 lb down and 218 lb up at 11-5-12, and 619 lb down and 218 lb up at 13-5-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-4=-60, 1-4=-20
Concentrated Loads (lb)
Vert: 7=-626(F) 8=-626(F) 9=-626(F) 10=-619(F) 11=-619(F) 12=-619(F) 13=-619(F)



November 22, 2017

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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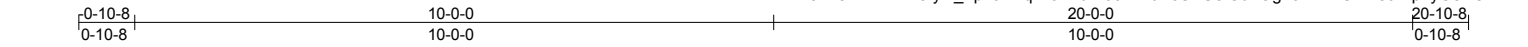


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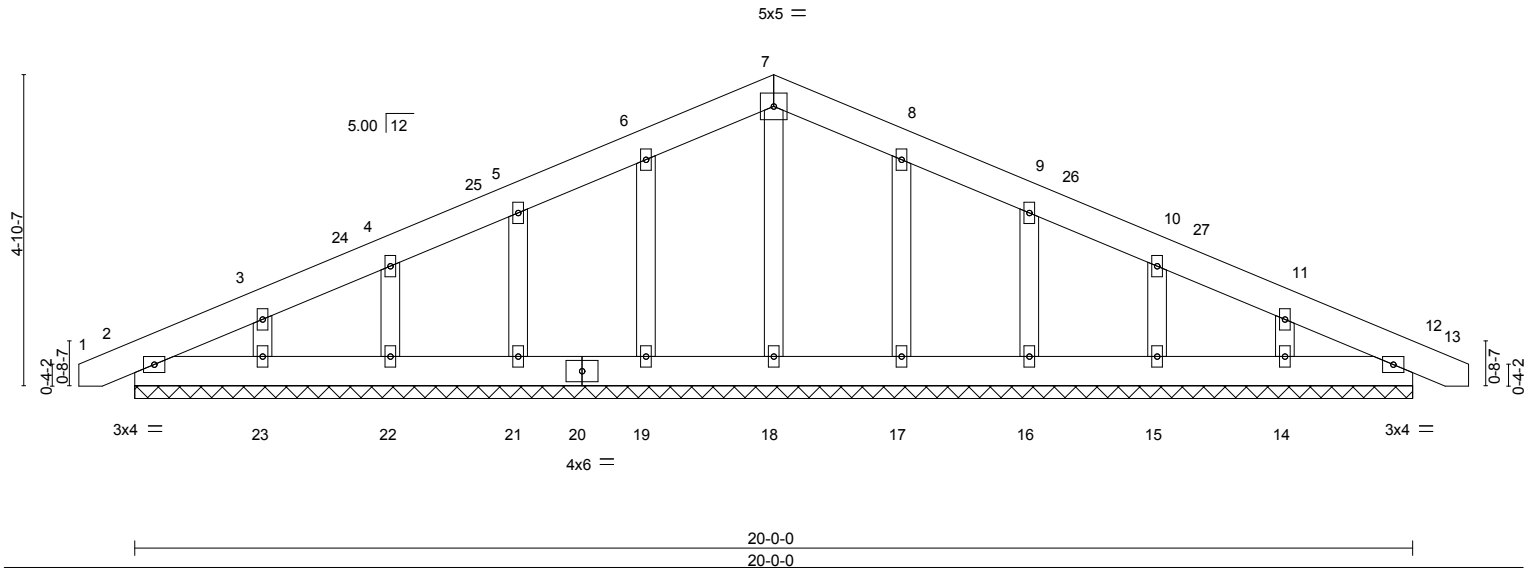
Job B0318-1077	Truss G01	Truss Type COMMON SUPPORTED GAB	Qty 1	Ply 1	Roosevelt B	E11202043
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Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:29 2017 Page 1
ID:3vEs44?mxllmaiyl?_Tpv0zI7qB-ohPdTrJ9DYibKcCBUEiGdhOgncFmkkCVMs6Wp7yGeVO



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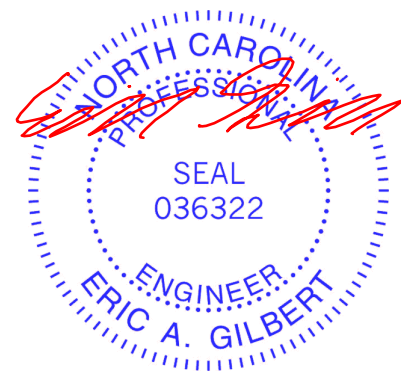
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.03	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.01	Vert(LL) 0.00 12 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.05	Vert(TL) 0.00 12 n/r 120		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(TL) 0.00 12 n/a n/a		
	Code IRC2009/TPI2007			Weight: 131 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.3	

REACTIONS. All bearings 20-0-0.
 (lb) - Max Horz 2=64(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 19, 21, 22, 23, 17, 16, 15, 14, 12
 Max Grav All reactions 250 lb or less at joint(s) 2, 18, 19, 21, 22, 23, 17, 16, 15, 14, 12

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 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) -0-8-5 to 4-0-0, Exterior(2) 4-0-0 to 5-7-3, Corner(3) 5-7-3 to 10-0-0, Exterior(2) 14-4-13 to 16-0-0 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 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 19, 21, 22, 23, 17, 16, 15, 14, 12.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 12.

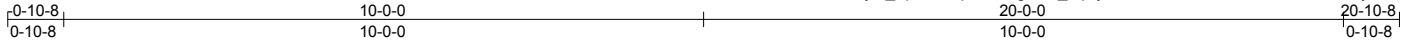


November 22, 2017

Job B0318-1077	Truss G02	Truss Type COMMON	Qty 5	Ply 1	Roosevelt B	E11202044
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8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:30 2017 Page 1
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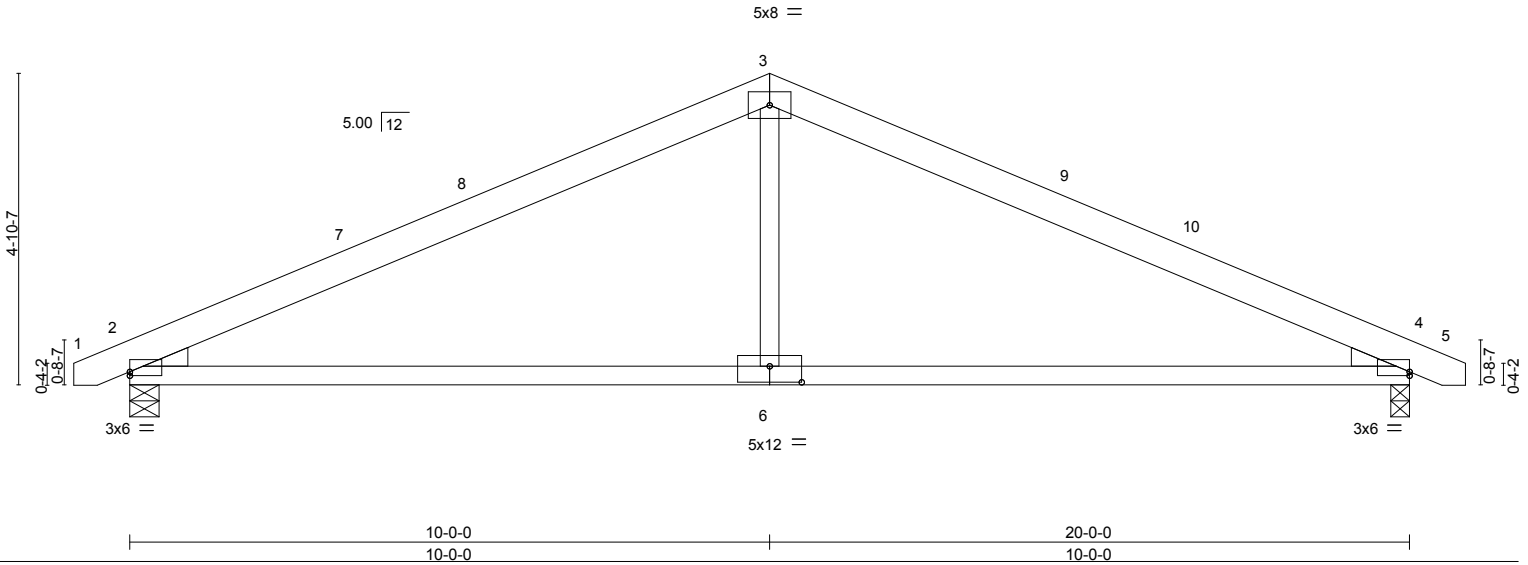


Plate Offsets (X,Y)-- [2:0-0-0,0-0-12], [4:Edge,0-0-12], [6:0-6-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.58	Vert(LL) -0.17	4-6	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.75	Vert(TL) -0.47	4-6	>506	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.17	Horz(TL) 0.04	4	n/a	n/a		
BCDL 10.0	Code IRC2009/TP12007	Matrix-S	Wind(LL) 0.05	4-6	>999	240		
							Weight: 94 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-7-3 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(lb/size) 2=840/0-5-8, 4=835/0-3-8
 Max Horz 2=-52(LC 7)
 Max Uplift 2=-101(LC 6), 4=-98(LC 7)

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

TOP CHORD 2-3=-1177/371, 3-4=-1176/371
 BOT CHORD 2-6=-215/995, 4-6=-215/995
 WEBS 3-6=0/455

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-8-5 to 3-8-8, Interior(1) 3-8-8 to 5-7-3, Exterior(2) 5-7-3 to 10-0-0, Interior(1) 14-4-13 to 16-3-8 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=101.



November 22, 2017

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/TP1 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 B0318-1077	Truss M3	Truss Type Monopitch	Qty 16	Ply 1	Roosevelt B Job Reference (optional)	E11202045
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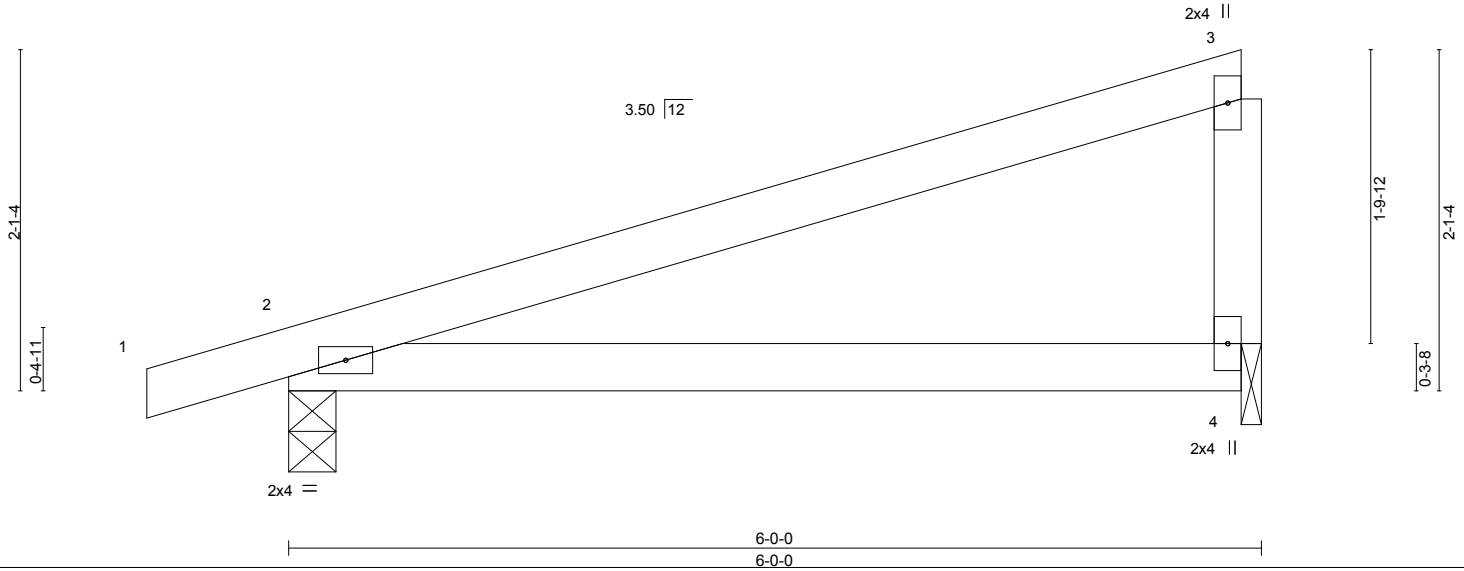
Comtech, Inc., Fayetteville, NC 28309

8.130 s Sep 15 2017 MiTek Industries, Inc. Wed Nov 22 11:34:31 2017 Page 1

ID:3vEs44?mxllmaiyl?_Tpv0z17qB-l4XOuWKPI9yJawLac3kki6UwqPtgCeWoaqAbdt?yGeVM



Scale = 1:14.2



LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	2-0-0	TC 0.44	Vert(LL) -0.06	2-4	>999	360		MT20	244/190
TCDL 10.0	Lumber DOL 1.15		BC 0.30	Vert(TL) -0.14	2-4	>492	240			
BCLL 0.0 *	Rep Stress Incr YES		WB 0.00	Horz(TL) 0.00	4	n/a	n/a			
BCDL 10.0	Code IRC2009/TPI2007		Matrix-P	Wind(LL) 0.00	2	****	240		Weight: 22 lb	FT = 20%

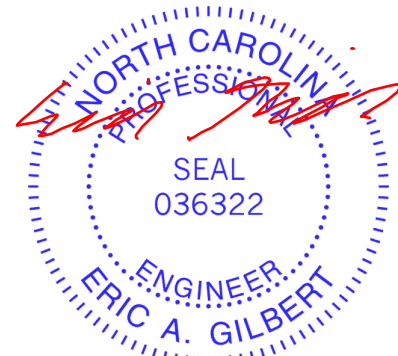
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) 2=295/0-3-8, 4=222/0-1-8
Max Horz 2=66(LC 4)
Max Uplift 2=63(LC 4), 4=34(LC 4)

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

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
 - 4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.



November 22, 2017

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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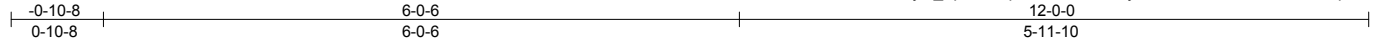


818 Soundside Road
Edenton, NC 27932

Job B0318-1077	Truss P1	Truss Type MONOPITCH TRUSS	Qty 10	Ply 1	Roosevelt B	E11202046
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ID:3vEs44?mxllmai?_Tpv0zl7qB-I4XOuWKPI9yJawLac3kki6UsfPrVCeWogAbdt?yGeVM



Scale = 1:21.9

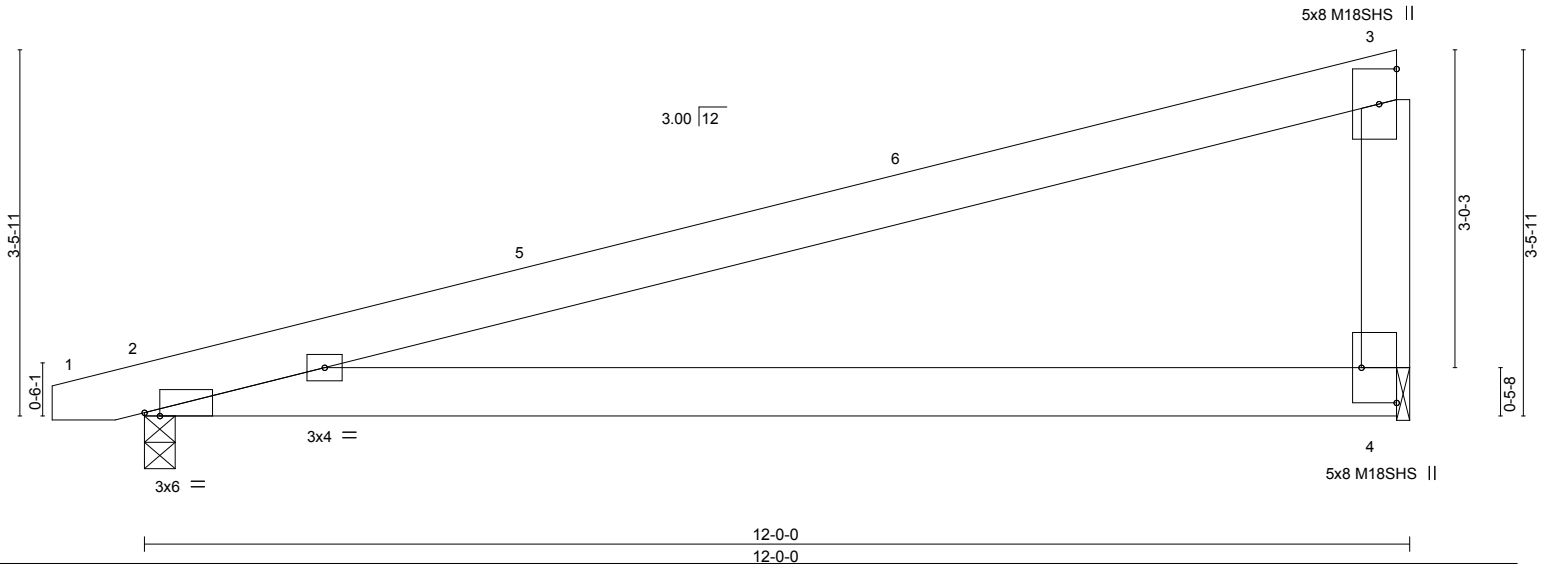


Plate Offsets (X,Y)-- [2:0-1-12,Edge], [4:Edge,0-4-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.65	Vert(LL) -0.14	2-4	>968	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.44	Vert(TL) -0.41	2-4	>340	240	M18SHS	244/190
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL) 0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-S	Wind(LL) 0.36	2-4	>385	240		
							Weight: 65 lb	FT = 20%

LUMBER-

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

BRACING-

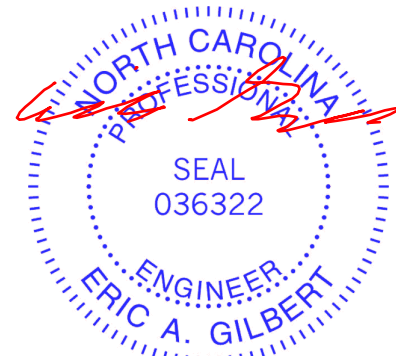
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=510/0-3-8, 4=464/0-1-8
Max Horz 2=144(LC 4)
Max Uplift 2=-308(LC 4), 4=-303(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-306/181, 3-4=-310/218

NOTES-

- 1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-6-15 to 3-9-14, Interior(1) 3-9-14 to 7-4-7, Exterior(2) 7-4-7 to 11-9-4 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 5) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=308, 4=303.



November 22, 2017

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 B0318-1077	Truss P2	Truss Type MONOPITCH TRUSS	Qty 1	Ply 1	Roosevelt B	E11202047
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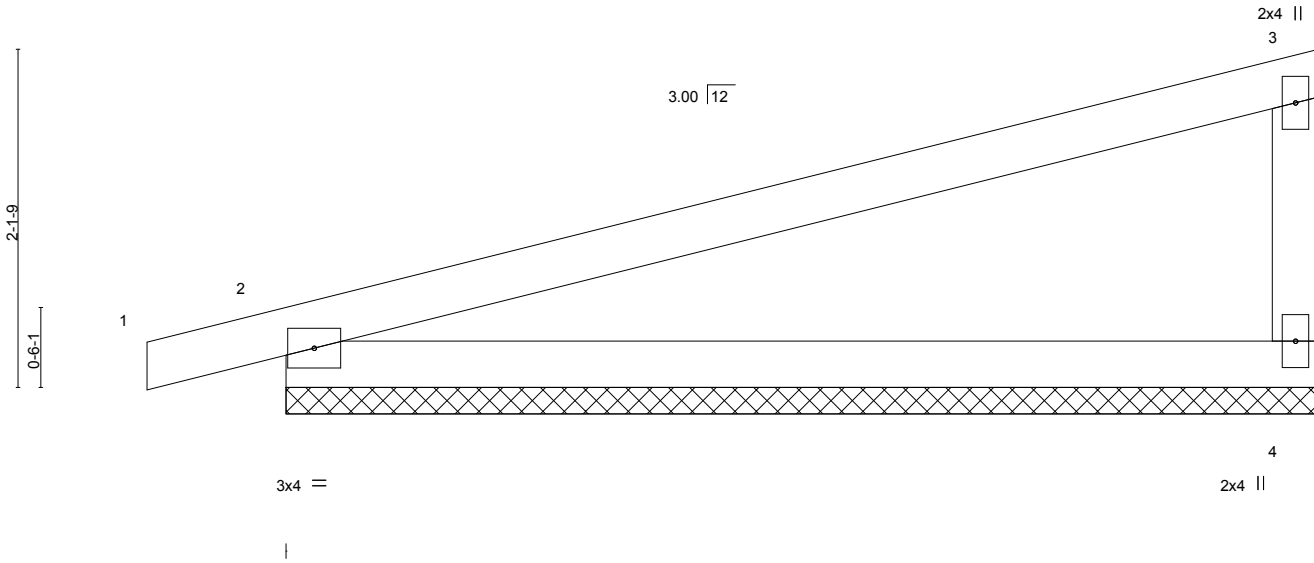
Comtech, Inc., Fayetteville, NC 28309

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Scale = 1:14.5



LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.66	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.38	Vert(TL)	0.05	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00		n/a	n/a		
BCDL 10.0	Code IRC2009/TPI2007		Matrix-P						Weight: 23 lb	FT = 20%

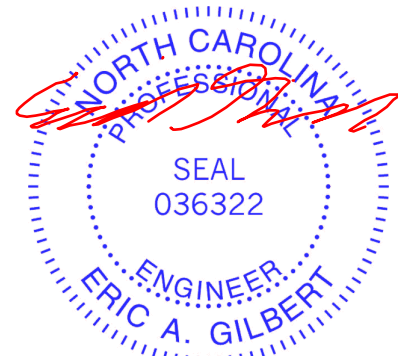
LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) 4=251/6-6-0, 2=310/6-6-0
 Max Horz 2=84(LC 4)
 Max Uplift 4=-85(LC 4), 2=-114(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-4=-187/296

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) 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 requires continuous bottom chord bearing.
 - 4) Gable studs spaced at 2-0-0 oc.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=114.



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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.

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.

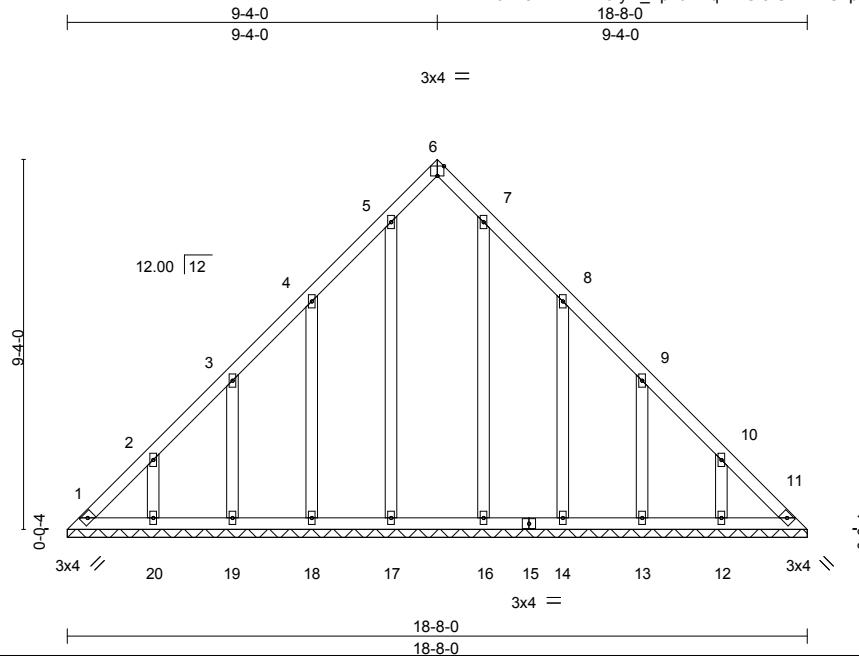


818 Soundside Road
 Edenton, NC 27932

Job B0318-1077	Truss V-1	Truss Type GABLE	Qty 1	Ply 1	Roosevelt B	E11202048
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Scale = 1:58.1

LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.06	in	(loc)	l/defl	L/d	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(LL)	n/a	-	n/a		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Vert(TL)	n/a	-	n/a		
BCDL	10.0	Code	IRC2009/TP12007	Matrix-S		Horz(TL)	0.01	11	n/a		
										Weight: 120 lb	FT = 20%

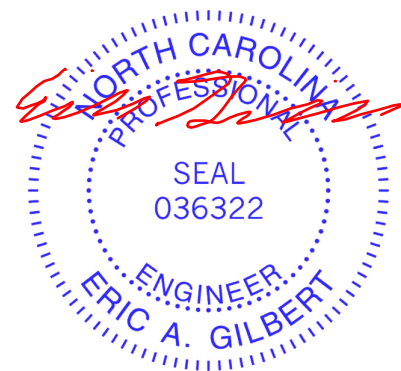
LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.3

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 18-8-0.
(lb) - Max Horz 1=-312(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) 1, 11, 17, 16 except 18=-165(LC 6), 19=-134(LC 6), 20=-151(LC 6), 14=-168(LC 7), 13=-134(LC 7), 12=-151(LC 7)
Max Grav All reactions 250 lb or less at joint(s) 17, 18, 19, 20, 16, 14, 13, 12 except 1=285(LC 6), 11=277(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-429/106, 2-3=-297/94, 9-10=-285/64, 10-11=-417/76
BOT CHORD 1-20=-50/326, 19-20=-50/326, 18-19=-50/326, 17-18=-50/326, 16-17=-50/326, 14-16=-50/326, 13-14=-50/326, 12-13=-50/326, 11-12=-50/326

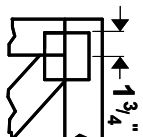
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are 2x4 MT20 unless otherwise indicated.
 - 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 17, 16 except (jt=lb) 18=165, 19=134, 20=151, 14=168, 13=134, 12=151.



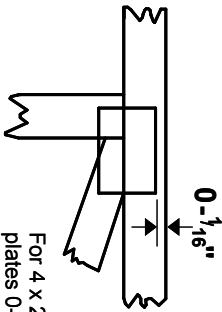
November 22,2017

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- $\frac{1}{16}$ " from outside edge of truss.



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

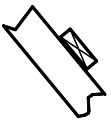
* Plate location details available in **MITek 2020 software** or upon request.

PLATE SIZE

4 X 4

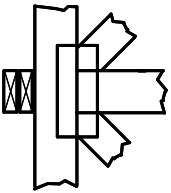
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



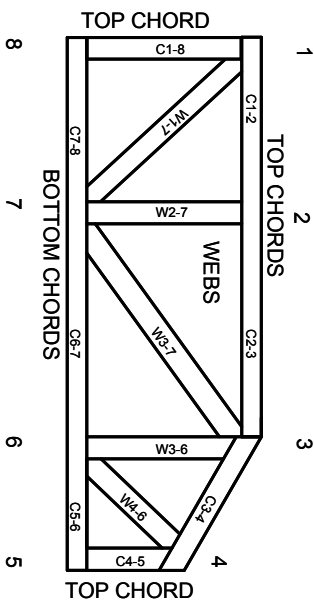
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP11: 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

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/TP1 section 6.3. These truss designs rely on lumber values established by others.

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MITek Engineering Reference Sheet: Mill-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/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 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/TP1 1 Quality Criteria.