

RE: 1641677_130 - H&H/Kent/

Trenco
 818 Soundside Rd
 Edenton, NC 27932

Site Information:

Project Customer: H AND H Project Name: 1641677_130
 Lot/Block: ALL Subdivision: ALL
 Model:
 Address:
 City: State:

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

Design Code: IRC2015/TPI2014 Design Program: MiTek 20/20 8.2
 Wind Code: ASCE 7-10 Wind Speed: 130 mph Design Method: MWFRS (Envelope)/C-C hybrid Wind ASCE 7-10
 Roof Load: 40.0 psf Floor Load: N/A psf
 Mean Roof Height (feet): 25 Exposure Category: C

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	I35910588	A01	1/23/19	35	I35910622	J08	1/23/19
2	I35910589	A02	1/23/19	36	I35910623	J09	1/23/19
3	I35910590	A03	1/23/19	37	I35910624	J10	1/23/19
4	I35910591	A04	1/23/19	38	I35910625	J11	1/23/19
5	I35910592	A05	1/23/19	39	I35910626	J12	1/23/19
6	I35910593	A06	1/23/19	40	I35910627	J13	1/23/19
7	I35910594	A07	1/23/19	41	I35910628	J14	1/23/19
8	I35910595	A08	1/23/19	42	I35910629	J15	1/23/19
9	I35910596	A09	1/23/19				
10	I35910597	B01	1/23/19				
11	I35910598	B02	1/23/19				
12	I35910599	B03	1/23/19				
13	I35910600	B04	1/23/19				
14	I35910601	B05	1/23/19				
15	I35910602	B06	1/23/19				
16	I35910603	B07	1/23/19				
17	I35910604	C01	1/23/19				
18	I35910605	C02	1/23/19				
19	I35910606	C03	1/23/19				
20	I35910607	C04	1/23/19				
21	I35910608	C05	1/23/19				
22	I35910609	CP01	1/23/19				
23	I35910610	CP02	1/23/19				
24	I35910611	D01	1/23/19				
25	I35910612	D02	1/23/19				
26	I35910613	D03	1/23/19				
27	I35910614	FG01	1/23/19				
28	I35910615	FG02	1/23/19				
29	I35910616	FG03	1/23/19				
30	I35910617	J03	1/23/19				
31	I35910618	J04	1/23/19				
32	I35910619	J05	1/23/19				
33	I35910620	J06	1/23/19				
34	I35910621	J07	1/23/19				

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Sumter,SC.

Truss Design Engineer's Name: Sevier, Scott

My license renewal date for the state of North Carolina is December 31, 2019.

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.



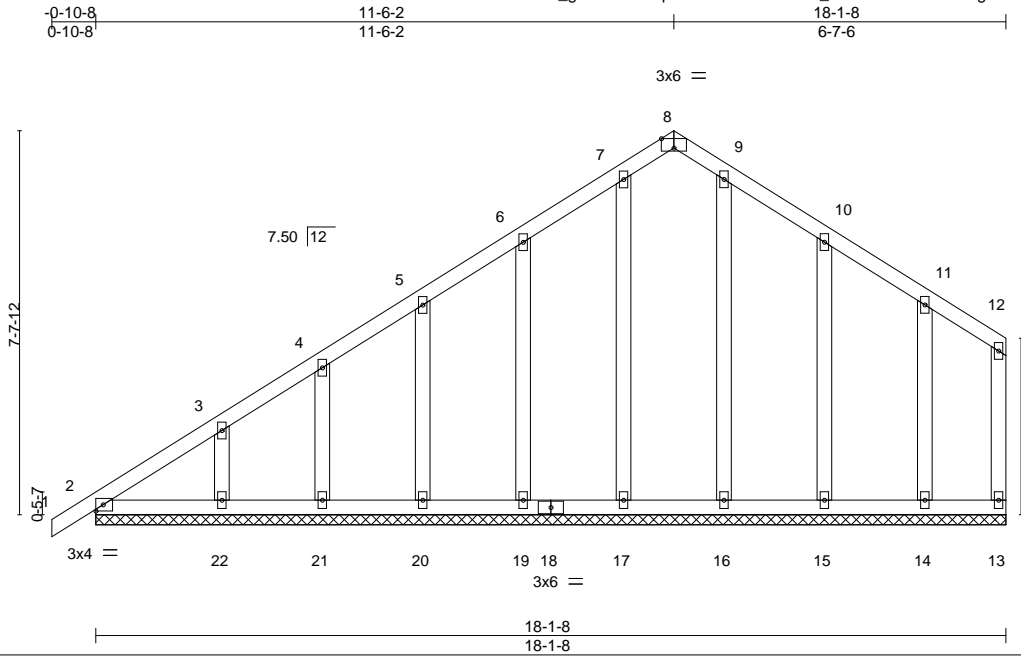
January 23, 2019

Job 1641677_130	Truss A01	Truss Type GABLE	Qty 5	Ply 1	H&H/Kent/ Job Reference (optional)	135910588
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:30 2019 Page 1

ID:h_gUcblDxiXoqL1mPMfncDza12N-J_E58JzWGkxcvbP30gLtYPWFOWTr70zQcRGwAzsrJt



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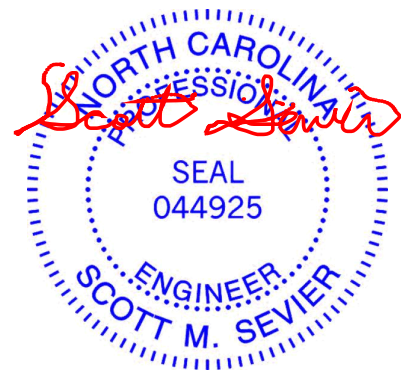
Plate Offsets (X,Y)--	[8:0-3-0,Edge]				
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.14	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.04	Vert(LL) -0.00 1 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.14	Vert(CT) 0.00 1 n/r 120		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 13 n/a n/a		
	Code IRC2015/TPI2014			Weight: 118 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 18-1-8.
 (lb) - Max Horz 2=281(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 13, 2, 17, 20, 21 except 19=118(LC 12), 22=133(LC 12), 15=132(LC 13), 14=101(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 13, 2, 17, 19, 20, 21, 22, 16, 15, 14

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-274/230

- NOTES-** (10)
- 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=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; 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 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) 13, 2, 17, 20, 21 except (jt=lb) 19=118, 22=133, 15=132, 14=101.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



Job	Truss	Truss Type	Qty	Ply	H&H/Kent/	135910589
1641677_130	A02	Common	63	1		

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ID:h_gUcblidXiXoqL1mPMfncDza12N-GNMsZ??mnLBK9uZR75NLeqbXGK_Jbu5j4l0g2zsrJr

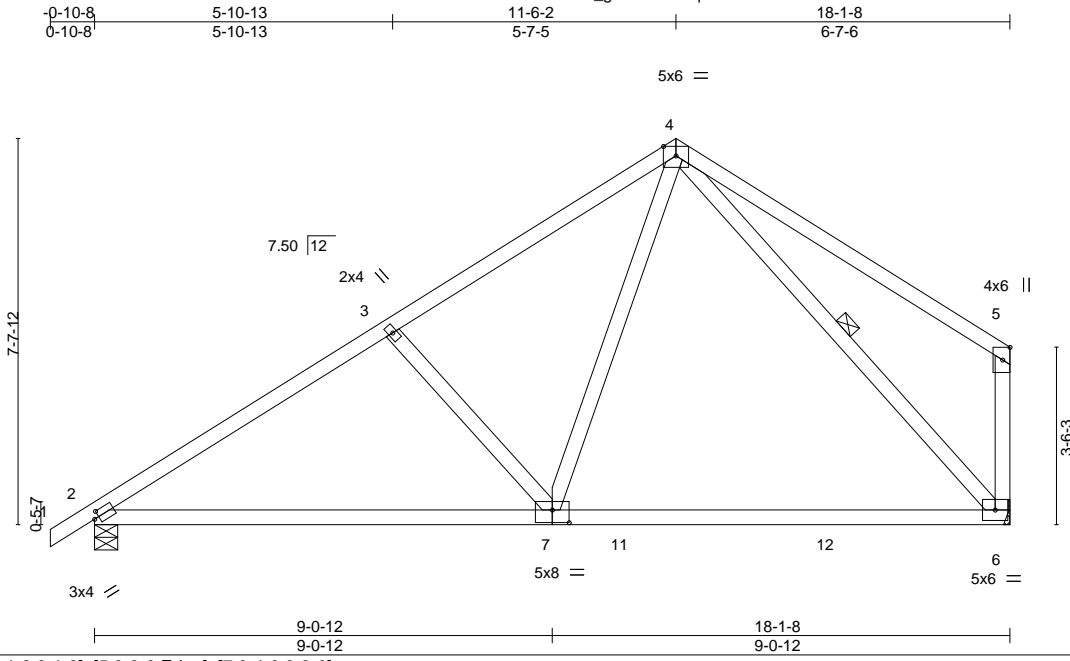


Plate Offsets (X,Y)--	[2:0-1-2,0-1-8], [5:0-3-0,Edge], [7:0-4-0,0-3-0]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.43	Vert(LL) -0.24 6-7 >904 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.75	Vert(CT) -0.36 6-7 >599 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.29	Horz(CT) 0.02 6 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0.07 7-10 >999 240	Weight: 97 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3 *Except* 5-6: 2x4 SP No.2	WEBS 1 Row at midpt 4-6

REACTIONS. (lb/size) 2=773/0-5-8, 6=718/Mechanical
 Max Horz 2=280(LC 12)
 Max Uplift 2=-214(LC 12), 6=-175(LC 12)
 Max Grav 2=782(LC 19), 6=741(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1002/325, 3-4=-821/318, 5-6=-290/210
 BOT CHORD 2-7=-374/920, 6-7=-123/480
 WEBS 3-7=-416/317, 4-7=-136/608, 4-6=-619/182

- NOTES-** (8)
- 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=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 2=214, 6=175.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

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 1641677_130	Truss A03	Truss Type Common Girder	Qty 2	Ply 2	H&H/Kent/ Job Reference (optional)	135910590
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Builders FirstSource, Sumter, SC - 29153,

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ID:h_UcBldXiXoqL1mPMfncDza12N-kZwEmL?PYfJBm28ehouaA28hOkLdKDWtJPVaDUzsrJq



Scale: 1/4"=1'

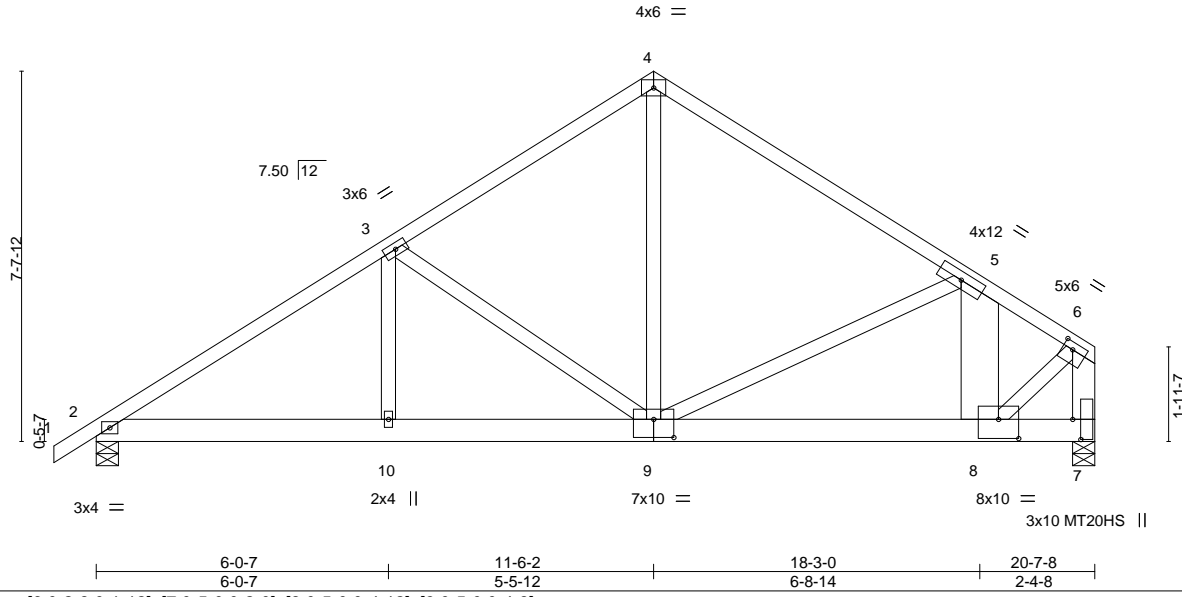


Plate Offsets (X,Y)--	[6:0-2-8,0-1-12], [7:0-5-0,0-2-0], [8:0-5-0,0-4-12], [9:0-5-0,0-4-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.47	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.68	Vert(LL) -0.04 8-9 >999 360	MT20HS	187/143
BCLL 0.0 *	Lumber DOL 1.15	WB 0.79	Vert(CT) -0.10 8-9 >999 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.03 7 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.04 8-9 >999 240	Weight: 278 lb	FT = 20%

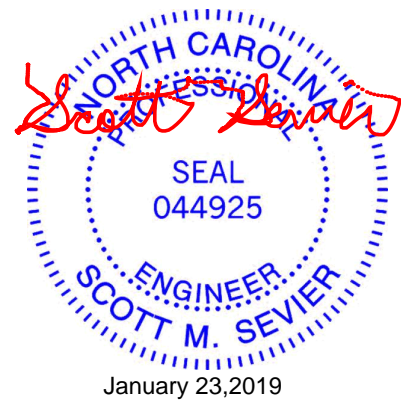
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-9-13 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except* 5-8: 2x10 SP DSS, 6-7: 2x6 SP No.2	

REACTIONS. (lb/size) 2=1666/0-5-8, 7=7586/0-5-8
 Max Horz 2=200(LC 24)
 Max Uplift 2=-163(LC 8), 7=-635(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2670/254, 3-4=-2294/264, 4-5=-2314/266, 5-6=-6174/528, 6-7=-7282/601
 BOT CHORD 2-10=-263/2194, 9-10=-263/2194, 8-9=-452/5240
 WEBS 3-9=-510/214, 4-9=-160/1979, 5-9=-3778/451, 5-8=-489/3482, 6-8=-572/6460

- NOTES-** (10)
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-2-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf 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=163, 7=635.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 7567 lb down and 643 lb up at 18-3-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-60, 4-6=-60, 7-11=-20



Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job 1641677_130	Truss A03	Truss Type Common Girder	Qty 2	Ply 2	H&H/Kent/ Job Reference (optional)	135910590
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:33 2019 Page 2
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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 8=-7567(F)

 **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/TP11 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 1641677_130	Truss A04	Truss Type Common	Qty 63	Ply 1	H&H/Kent/ Job Reference (optional)	135910591
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Builders FirstSource, Sumter, SC - 29153,

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ID:h_gUcbldXiXoqL1mPMfncDza12N-CmUc_h01JyR2OCjqFWPpjFgrh7dU3oe0X3E7lxzsrJp



5x6 ||

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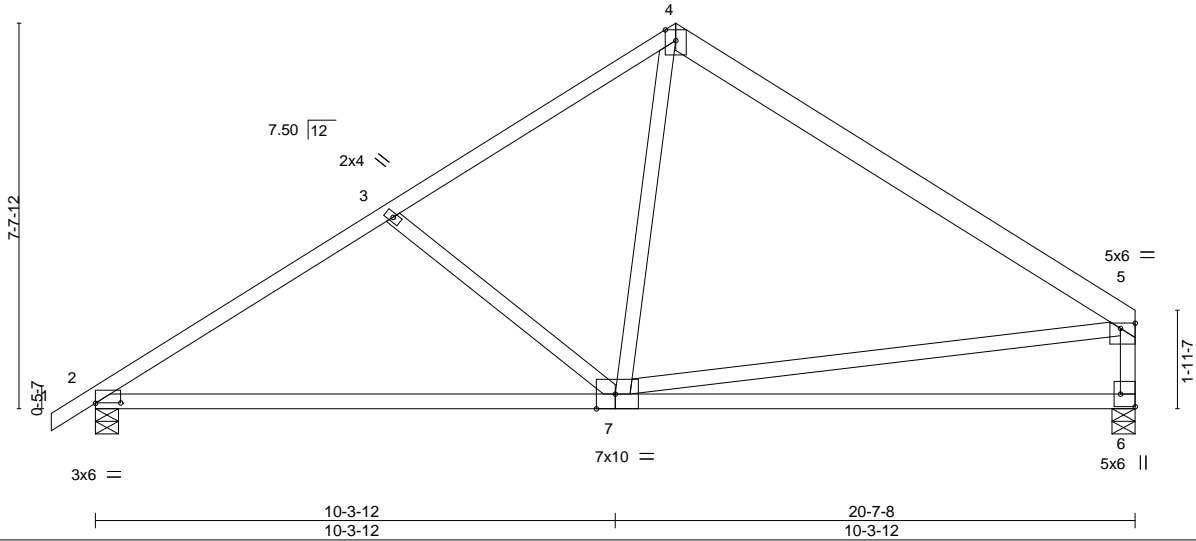


Plate Offsets (X,Y)-- [2:0-6-0,0-0-2], [5:Edge,0-1-4], [6:Edge,0-3-8], [7:0-4-8,Edge]

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 0.56	Vert(LL)	-0.19	6-7	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.96	Vert(CT)	-0.38	6-7	>643		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.29	Horz(CT)	0.02	6	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-AS	Wind(LL)	0.08	7-10	>999		
								Weight: 114 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 4-5: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3 *Except* 5-6: 2x4 SP No.2	

REACTIONS. (lb/size) 6=818/0-5-8, 2=873/0-5-8
Max Horz 2=247(LC 9)
Max Uplift 6=-189(LC 13), 2=-242(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1142/410, 3-4=-937/358, 4-5=-867/304, 5-6=-739/316
BOT CHORD 2-7=-371/996, 6-7=-100/257
WEBS 3-7=-428/317, 4-7=-60/505, 5-7=-98/470

- NOTES-** (7)
- 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; BC DL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf 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) 6=189, 2=242.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

Job 1641677_130	Truss A05	Truss Type GABLE	Qty 5	Ply 1	H&H/Kent/ Job Reference (optional)	135910592
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Builders FirstSource, Sumter, SC - 29153,

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ID:h_gUcblDXoqL1mPMfncDza12N-gy2_B01f4GZv0MI0pDx2FTD6WXBqoH99mj_hHNzsrJo



Scale = 1:45.9

Plate Offsets (X,Y)--	[8:0-3-0,Edge], [19:0-1-12,0-0-0], [20:0-3-0,0-1-4], [20:0-0-0,0-1-12]
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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 0.18	Vert(LL)	-0.00	1	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.06	Vert(CT)	0.00	1	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.14	Horz(CT)	0.00	14	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 128 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 20-7-8.
 (lb) - Max Horz 2=247(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 19, 22, 23, 16 except 21=124(LC 12), 24=131(LC 12), 17=145(LC 13), 15=152(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 14, 2, 19, 21, 22, 23, 24, 18, 17, 16, 15

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-259/242, 6-7=-217/289, 9-10=-217/257

- NOTES-** (10)
- 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=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 19, 22, 23, 16 except (jt=lb) 21=124, 24=131, 17=145, 15=152.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

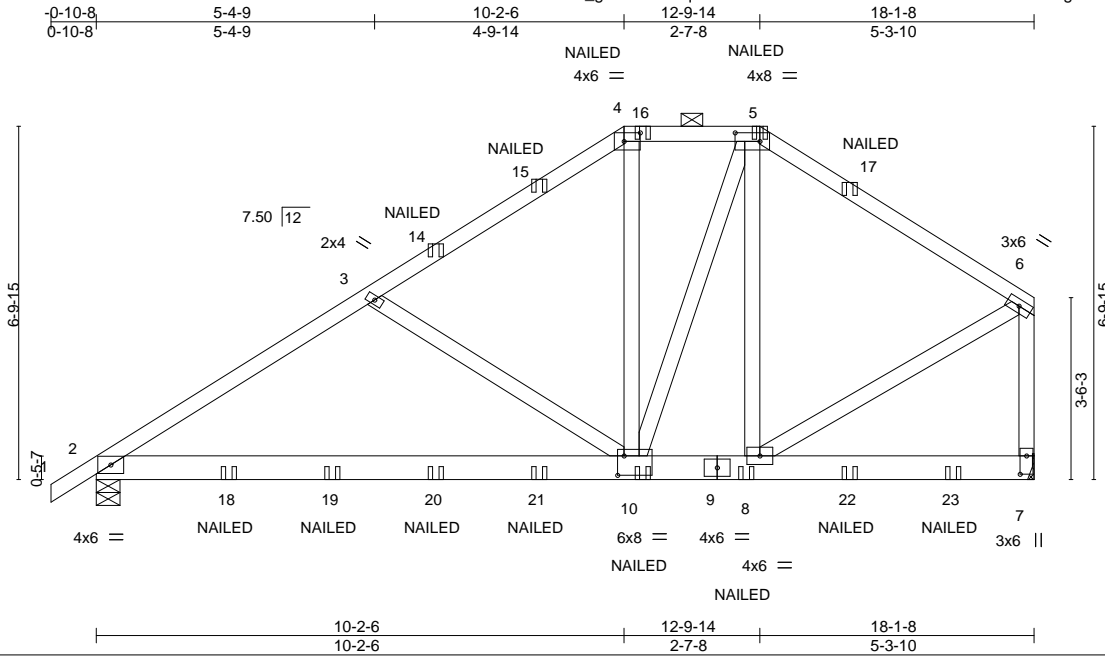
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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.</p>	<p>ENGINEERING BY TRENCO A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job 1641677_130	Truss A06	Truss Type Hip Girder	Qty 3	Ply 1	H&H/Kent/ Job Reference (optional)	135910593
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:36 2019 Page 1

ID:h_gUcblDXiXoqL1mPMfncDza12N-88cNPM2HrZhmDWtCMwSHogm6bxN8XgBJ?NjEppzsrJn



Scale = 1:44.5

Plate Offsets (X,Y)--	[4:0-3-12,0-2-0], [5:0-5-12,0-2-0], [7:0-4-4,0-1-8], [10:0-1-8,0-4-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.86	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.63	Vert(LL) 0.31 10-13 >703 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.41	Vert(CT) -0.38 10-13 >562 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.01 7 n/a n/a		
	Code IRC2015/TPI2014			Weight: 125 lb	FT = 20%

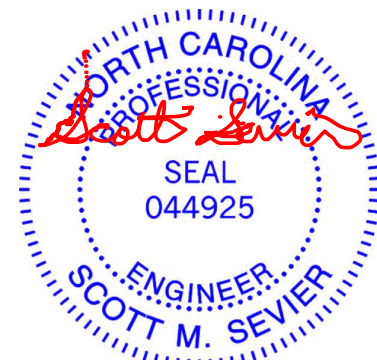
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-9-7 oc purlins, except end verticals, and 2-0-0 oc purlins (5-3-15 max.): 4-5.
BOT CHORD 2x6 SP DSS *Except* 7-9: 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 7-10-5 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS.
(lb/size) 2=1490/0-5-8, 7=1490/Mechanical
Max Horz 2=262(LC 8)
Max Uplift 2=-775(LC 8), 7=-891(LC 8)

FORCES.
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1783/1029, 3-4=-1479/911, 4-5=-1175/832, 5-6=-1140/753, 6-7=-1231/772
BOT CHORD 2-10=-1024/1504, 8-10=-567/882
WEBS 3-10=-412/349, 4-10=-214/455, 5-10=-471/854, 5-8=-580/387, 6-8=-644/991

- NOTES-** (11)
- 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=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=775, 7=891.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S)
Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-60, 4-5=-60, 5-6=-60, 7-11=-20
Concentrated Loads (lb)
Vert: 5=-117(F) 10=-37(F) 8=-37(F) 14=-8(F) 16=-117(F) 18=-241(F) 19=-210(F) 20=-146(F) 21=-184(F) 22=-182(F) 23=-210(F)



January 23, 2019

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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.

ENGINEERING BY

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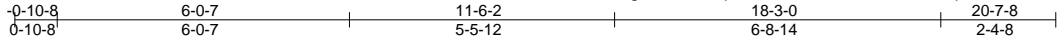
818 Soundside Road
 Edenton, NC 27932

Job 1641677_130	Truss A07	Truss Type Common Girder	Qty 3	Ply 2	H&H/Kent/ Job Reference (optional)	135910594
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Builders FirstSource, Sumter, SC - 29153,

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ID:h_gUcblDXiXoQL1mPMfncDza12N-cK9Ici3vctqdfFSPwezWLuNlLiRG1PSD1TnMGzsrJm



Scale: 1/4"=1'

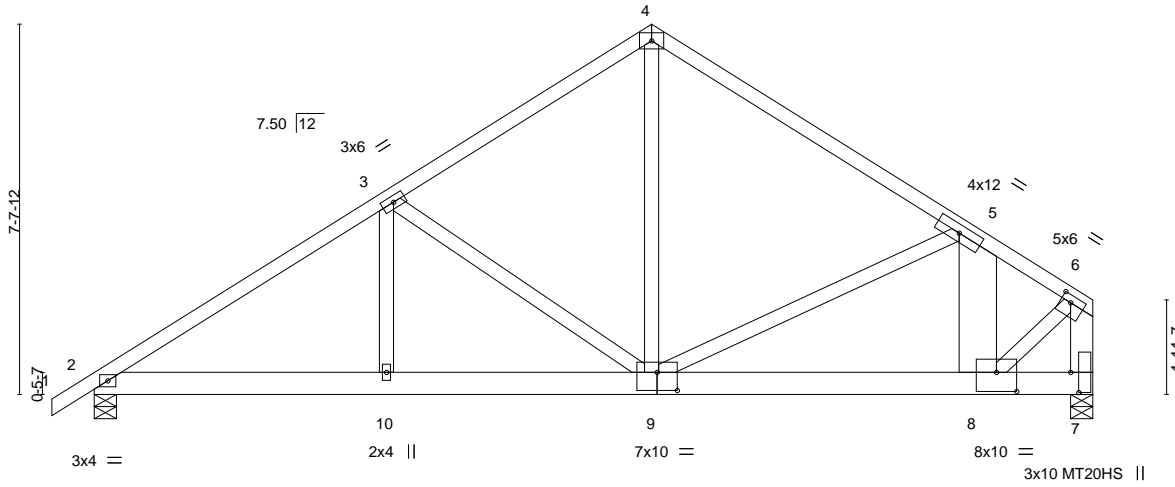


Plate Offsets (X,Y)--	[6:0-2-8,0-1-12], [7:0-5-0,0-2-0], [8:0-5-0,0-4-12], [9:0-5-0,0-4-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.48	Vert(LL) -0.04 8-9 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.69	Vert(CT) -0.10 8-9 >999 240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr NO	WB 0.80	Horz(CT) 0.03 7 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.04 8-9 >999 240	Weight: 278 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except*	
5-8: 2x10 SP DSS, 6-7: 2x6 SP No.2	

REACTIONS.	(lb/size)
2=1674/0-5-8, 7=7655/0-5-8	
Max Horz 2=200(LC 24)	
Max Uplift 2=-183(LC 8), 7=-806(LC 9)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2685/290, 3-4=-2303/303, 4-5=-2360/307, 5-6=-6229/667, 6-7=-7347/765
BOT CHORD	2-10=-293/2207, 9-10=-293/2207, 8-9=-569/5287
WEBS	3-9=-514/214, 4-9=-201/2009, 5-9=-3796/542, 5-8=-584/3516, 6-8=-716/6517

- NOTES-** (10)
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-2-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf 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=183, 7=806.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 7645 lb down and 833 lb up at 18-3-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S)	Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15	
Uniform Loads (plf)	
Vert: 1-4=-60, 4-6=-60, 7-11=-20	



January 23, 2019

Continued on page 2

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

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

ENGINEERING BY
TRENCO
A MiTek Affiliate

818 Soundside Road
Edenton, NC 27932

Job 1641677_130	Truss A07	Truss Type Common Girder	Qty 3	Ply 2	H&H/Kent/ Job Reference (optional)	I35910594
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:37 2019 Page 2
ID:h_gUcblDxiXoqL1mPMfncDza12N-cK9Ici3vctqdfFSPwezWLuINILiRG1PSD1TnMGzsrJm

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 8=-7645(F)

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

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Kent/	135910595
1641677_130	A08	Hip Girder	3	1		

Builders FirstSource, Sumter, SC - 29153,

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ID:h_gUcblDxiXoqL1mPMfncDza12N-YjHV1O4A8U4KUZbn13?_QJ0cD8JKkx2lhLyuQ8zsrJK



Scale = 1:46.9

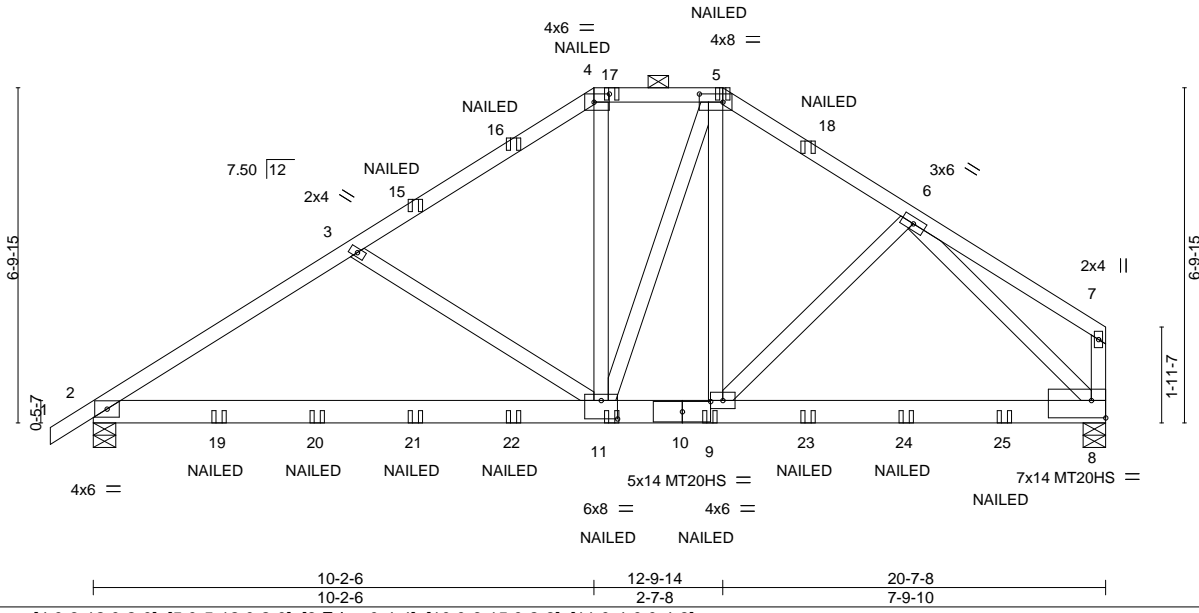


Plate Offsets (X,Y)--	[4:0-3-12,0-2-0], [5:0-5-12,0-2-0], [8:Edge,0-4-4], [10:0-6-15,0-2-8], [11:0-4-0,0-4-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.90	Vert(LL)	0.32	11-14	>774	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.98	Vert(CT)	-0.40	11-14	>620	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.79	Horz(CT)	0.03	8	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS						
								Weight: 139 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-4-8 oc purlins, except end verticals, and 2-0-0 oc purlins (4-8-11 max.): 4-5.
BOT CHORD 2x6 SP DSS *Except* 8-10: 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 7-4-7 oc bracing.
WEBS 2x4 SP No.2	

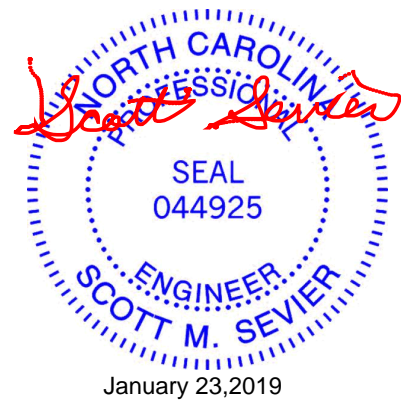
REACTIONS. (lb/size) 2=1704/0-5-8, 8=1687/0-5-8
 Max Horz 2=220(LC 5)
 Max Uplift 2=900(LC 8), 8=928(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2177/1260, 3-4=-1875/1143, 4-5=-1515/1031, 5-6=-1670/1074, 6-7=-263/182
 BOT CHORD 2-11=-1173/1837, 9-11=-790/1358, 8-9=-701/1229
 WEBS 3-11=-410/348, 4-11=-326/648, 5-11=-276/487, 6-9=-302/383, 6-8=-1537/906

- NOTES-** (11)
- 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=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf 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=900, 8=928.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-60, 4-5=-60, 5-7=-60, 8-12=-20
 Concentrated Loads (lb)
 Vert: 5=-117(B) 11=-37(B) 9=-37(B) 15=-8(B) 17=-117(B) 19=-241(B) 20=-210(B) 21=-146(B) 22=-184(B) 23=-182(B) 24=-210(B) 25=-210(B)



Job 1641677_130	Truss A09	Truss Type Common Girder	Qty 3	Ply 2	H&H/Kent/ Job Reference (optional)	135910596
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Builders FirstSource, Sumter, SC - 29153,

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ID:h_gUcblDxiXoqL1mPMfncDza12N-1vrtEK5ovoCB67A_bmWDyWwudYkJTOLuw?hSzazsrJj



Scale: 1/4"=1'

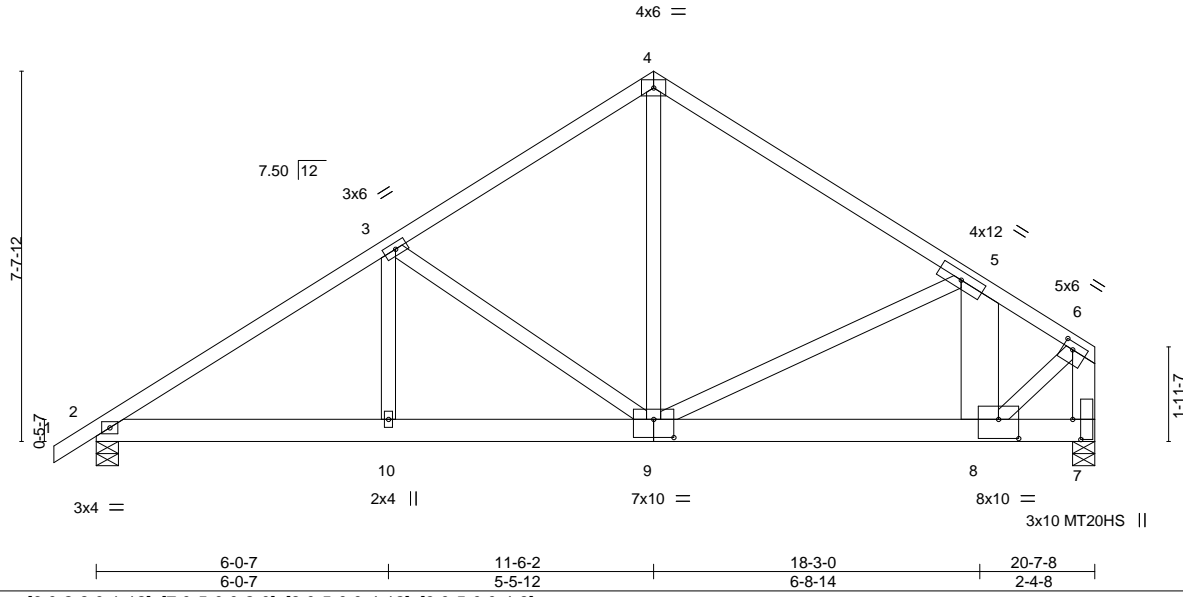


Plate Offsets (X,Y)--	[6:0-2-8,0-1-12], [7:0-5-0,0-2-0], [8:0-5-0,0-4-12], [9:0-5-0,0-4-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.47	Vert(LL) -0.04 8-9 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.68	Vert(CT) -0.10 8-9 >999 240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr NO	WB 0.79	Horz(CT) 0.03 7 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.04 8-9 >999 240		Weight: 278 lb FT = 20%

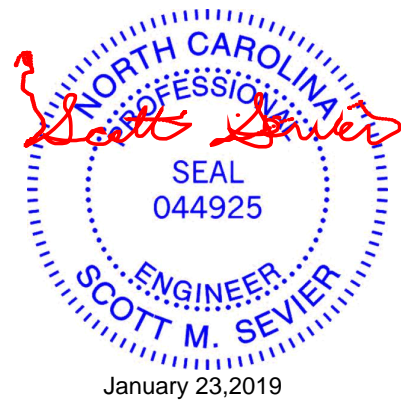
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-9-15 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except* 5-8: 2x10 SP DSS, 6-7: 2x6 SP No.2	

REACTIONS. (lb/size) 2=1662/0-5-8, 7=7554/0-5-8
 Max Horz 2=227(LC 26)
 Max Uplift 2=-167(LC 8), 7=-658(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2663/261, 3-4=-2287/268, 4-5=-2307/274, 5-6=-6148/542, 6-7=-7252/622
 BOT CHORD 2-10=-236/2188, 9-10=-236/2188, 8-9=-478/5219
 WEBS 3-9=-510/214, 4-9=-168/1972, 5-9=-3761/471, 5-8=-490/3465, 6-8=-595/6434

- NOTES-** (10)
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-2-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf 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=167, 7=658.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 7532 lb down and 667 lb up at 18-3-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-60, 4-6=-60, 7-11=-20



Continued on page 2

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>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.</p>	<p>ENGINEERING BY TRENCO <small>A MiTek Affiliate</small></p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job 1641677_130	Truss A09	Truss Type Common Girder	Qty 3	Ply 2	H&H/Kent/ Job Reference (optional)	135910596
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:40 2019 Page 2
ID:h_gUcblldXiXoqL1mPMfncDza12N-1vrtEk5ovoCB67A_bmWDyWwudYkJToluw?hSzazsrJj

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 8=-7532(F)

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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Edenton, NC 27932

Job 1641677_130	Truss B01	Truss Type GABLE	Qty 5	Ply 1	H&H/Kent/ Job Reference (optional)	135910597
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:41 2019 Page 1
ID:h_gUcblDxiXoqL1mPMfncDza12N-V6PGS46Qg6K2kHIA9U1SVkT7uyB4Czn28fR?V1zsrJi

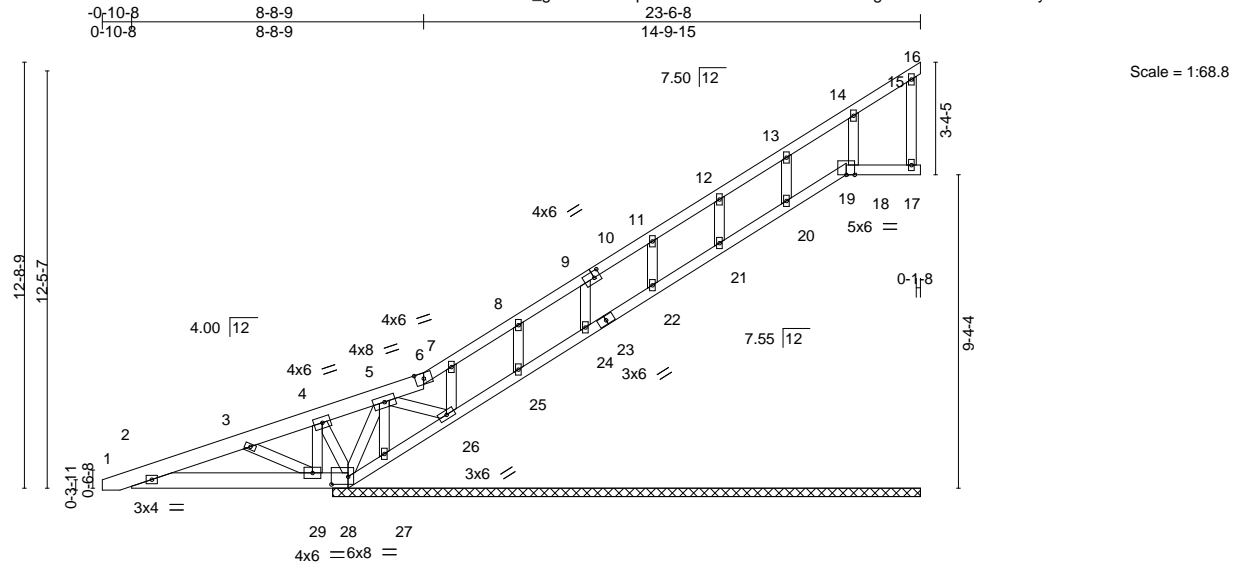


Plate Offsets (X,Y)--	[9:0-2-1,0-0-0], [10:0-2-4,0-2-4], [10:0-0-0,0-1-12], [18:0-1-12,0-0-0], [19:0-0-0,0-1-12], [28:0-6-0,0-2-12]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.18	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.19	Vert(LL) 0.00 1-2 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.26	Vert(CT) -0.00 1-2 n/r 120		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) -0.01 16 n/a n/a		
	Code IRC2015/TPI2014			Weight: 131 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 1-6: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* 2-28: 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 17-6-8.
 (lb) - Max Horz 28=648(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 16, 19, 17, 18, 20, 21, 22, 24, 27 except 28=777(LC 8), 25=110(LC 12), 26=434(LC 1)
 Max Grav All reactions 250 lb or less at joint(s) 16, 19, 17, 18, 20, 21, 22, 24, 25, 27 except 28=1246(LC 1), 26=399(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-616/510, 3-4=-802/747, 4-5=-964/895, 5-6=-539/415, 6-7=-535/424, 7-8=-501/400, 8-9=-419/333, 9-11=-344/274, 11-12=-267/214
 BOT CHORD 2-29=-442/610, 28-29=-691/861, 27-28=-717/443, 26-27=-712/438
 WEBS 4-29=-370/287, 5-28=-610/383, 3-29=-280/285, 4-28=-330/455, 5-26=-387/634

- NOTES-** (10)
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed; 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 16, 19, 20, 21, 22 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) 16, 19, 17, 18, 20, 21, 22, 24, 27 except (jt=lb) 28=777, 25=110, 26=434.
 - Non Standard bearing condition. Review required.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

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.

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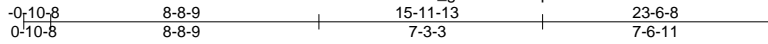
818 Soundside Road
 Edenton, NC 27932

Job 1641677_130	Truss B02	Truss Type JACK-CLOSED	Qty 29	Ply 1	H&H/Kent/ Job Reference (optional)	135910598
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:42 2019 Page 1

ID:h_gUcblDxiXoqL1mPMfncDza12N-zlzfQ62RPSvLRKMjBZh2x08_MR8xGHBnjAY1TzsrJh



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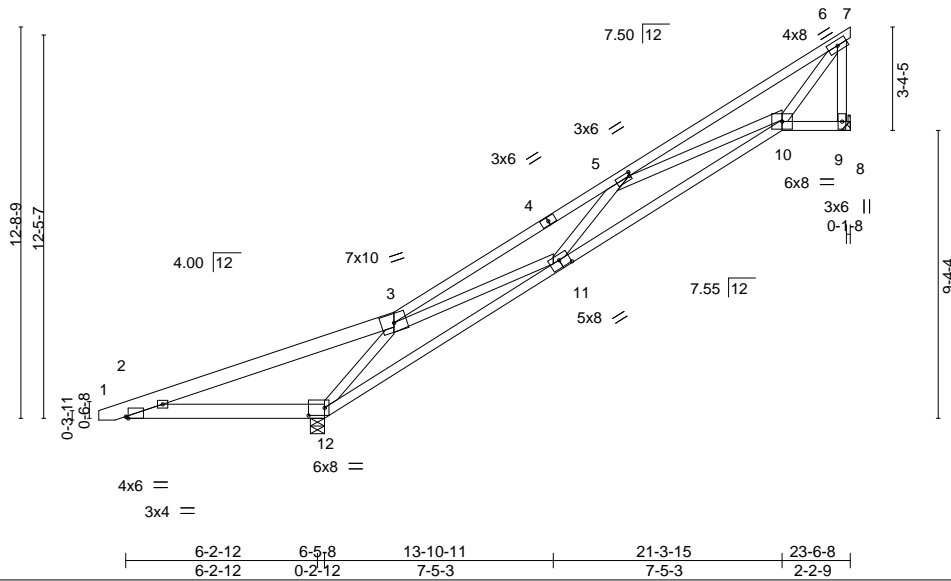


Plate Offsets (X,Y)--	[2:0-0-15,Edge], [5:0-0-8,0-1-8], [11:0-4-0,0-3-0], [12:0-6-4,0-3-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.80	Vert(LL)	0.18 10-11	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.59	Vert(CT)	-0.21 10-11	>948	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.95	Horz(CT)	0.09 9	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-AS					Weight: 132 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 1-3: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* 2-12: 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3	

REACTIONS. (lb/size) 12=1340/0-5-8, 9=569/Mechanical
 Max Horz 12=646(LC 12)
 Max Uplift 12=-343(LC 8), 9=-436(LC 12)
 Max Grav 12=1340(LC 1), 9=732(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1083/986, 3-5=-1987/820, 5-6=-865/297, 6-9=-764/407
 BOT CHORD 2-12=-859/1118, 11-12=-904/1116, 10-11=-1505/2499
 WEBS 3-12=-1479/915, 3-11=-540/1239, 5-11=-418/530, 5-10=-1414/944, 6-10=-491/1144

- NOTES-** (7)
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed;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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit 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 (it=lb) 12=343, 9=436.
 - 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 7) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

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.

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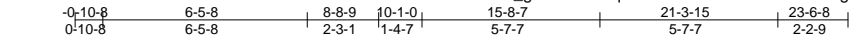
818 Soundside Road
 Edenton, NC 27932

Job 1641677_130	Truss B03	Truss Type JACK-CLOSED GIRDER	Qty 10	Ply 1	H&H/Kent/ Job Reference (optional)	135910599
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:43 2019 Page 1

ID:h_gUcblDXoqL1mPMfncDza12N-RUX0tm7gCjamzavZGu4wa9YGwmjGgkqLczw6ZvzsrJg



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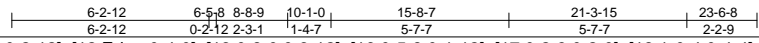
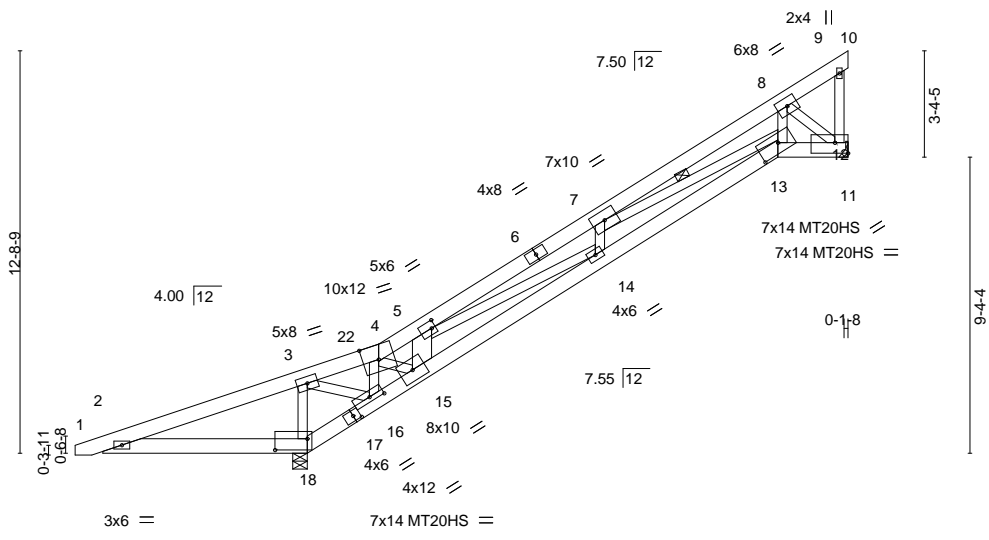


Plate Offsets (X,Y)--	[4:0-6-0,Edge], [5:0-1-8,0-2-12], [12:Edge,0-4-0], [13:0-8-0,0-3-12], [16:0-5-8,0-1-12], [17:0-2-9,0-2-0], [18:1-0-4,0-4-4]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.98	Vert(LL)	-0.20	14-15	>998	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.79	Vert(CT)	-0.56	14-15	>363	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.87	Horz(CT)	0.22	12	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-AS	Wind(LL)	0.27	14-15	>746		
								Weight: 168 lb	FT = 20%

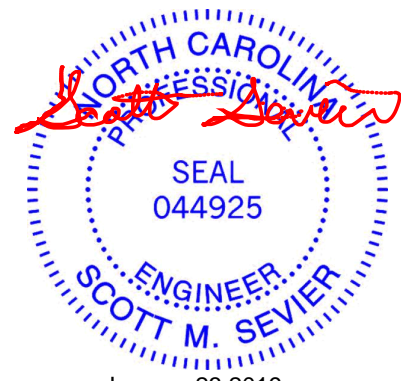
LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1 *Except* 1-4: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x6 SP No.2 *Except* 13-17: 2x6 SP DSS	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2 *Except* 5-15: 2x8 SP DSS	WEBS 1 Row at midpt 7-13

REACTIONS. (lb/size) 18=3329/0-5-8, 12=2476/Mechanical
 Max Horz 18=445(LC 12)
 Max Grav 18=3329(LC 1), 12=2635(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-881/742, 3-4=-2985/0, 4-5=-6887/0, 5-7=-9172/168, 7-8=-4441/111, 8-9=-350/8
 BOT CHORD 2-18=-637/896, 16-18=-1063/401, 15-16=0/4121, 14-15=-417/7474, 13-14=-494/9109,
 12-13=-181/3297
 WEBS 3-18=-2572/412, 4-15=-555/3441, 5-15=-1982/147, 5-14=-127/1663, 7-14=-401/100,
 7-13=-4296/221, 8-13=-134/3525, 8-12=-4354/239, 4-16=-3620/188, 3-16=-57/3396

- NOTES-** (9)
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left exposed; end vertical 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1051 lb down and 429 lb up at 10-1-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15



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.

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 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Kent/
1641677_130	B03	JACK-CLOSED GIRDER	10	1	

I35910599

Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:43 2019 Page 2
 ID:h_gUcblDXoqL1mPMfncDza12N-RUX0tm7gCjamzavZGu4wa9YGwmjGgkqLczw6ZvzsrJg

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-22=-60, 4-22=-140(F=-80), 4-5=-140(F=-80), 5-9=-260(F=-200), 9-10=-220(F=-200), 18-19=-20, 13-18=-20, 11-13=-20

Concentrated Loads (lb)

Vert: 15=-1023(F)

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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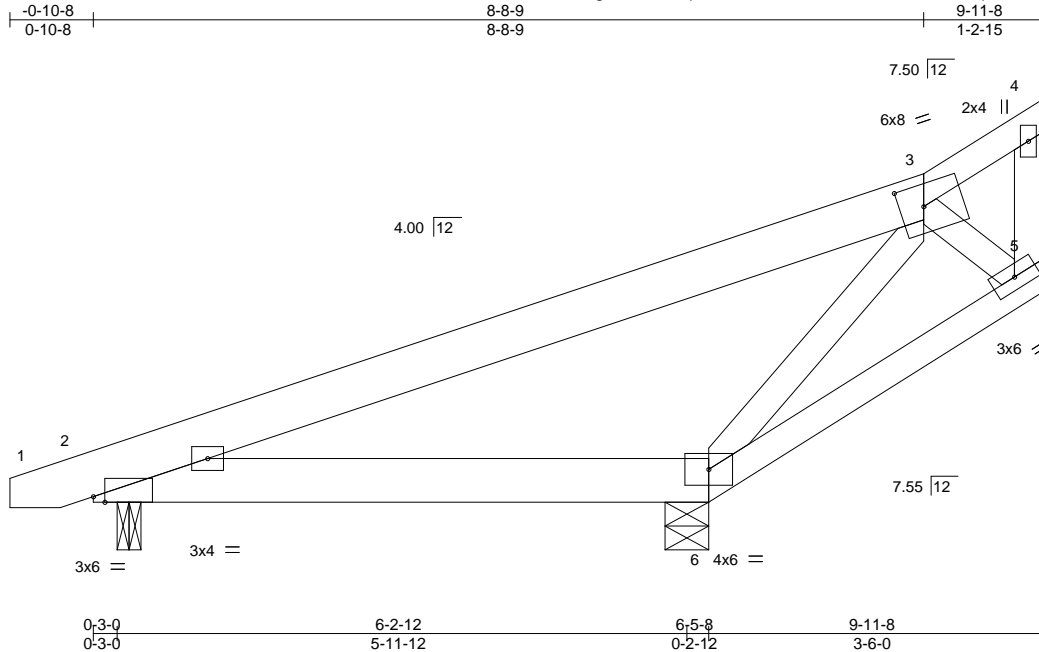
818 Soundside Road
 Edenton, NC 27932

Job 1641677_130	Truss B04	Truss Type ROOF SPECIAL	Qty 24	Ply 1	H&H/Kent/ Job Reference (optional)	135910600
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:44 2019 Page 1

ID:h_gUcblDxiXoQL1mPMfncDza12N-vh4O458lz1idbkUlqcb97M5b19ACPMtUqdf6MzsrJf



Scale: 1/2"=1'

Plate Offsets (X,Y)--	[2:0-1-7,Edge], [3:0-3-0,0-2-12]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.38	Vert(LL) 0.08 6-9 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.36	Vert(CT) -0.06 6-9 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.18	Horz(CT) -0.00 2 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS		Weight: 57 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* 3-4: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x6 SP No.2 *Except* 5-6: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3	

REACTIONS. (lb/size) 6=595/0-5-8, 2=227/0-3-0
 Max Horz 6=200(LC 12)
 Max Uplift 6=-267(LC 12), 2=-172(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-333/343
 BOT CHORD 2-6=-343/424
 WEBS 3-6=-554/510

- NOTES-** (6)
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed; porch left exposed; 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=267, 2=172.
 - 5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 6) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

Job 1641677_130	Truss B05	Truss Type JACK-CLOSED GIRDER	Qty 4	Ply 1	H&H/Kent/ Job Reference (optional)	135910601
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:45 2019 Page 1

ID:h_gUcblDxiXoqL1mPMfncDza12N-NtemHR9wjKqUCu3xOJ6OfaefZZMU8dae3HPCeozsrJe



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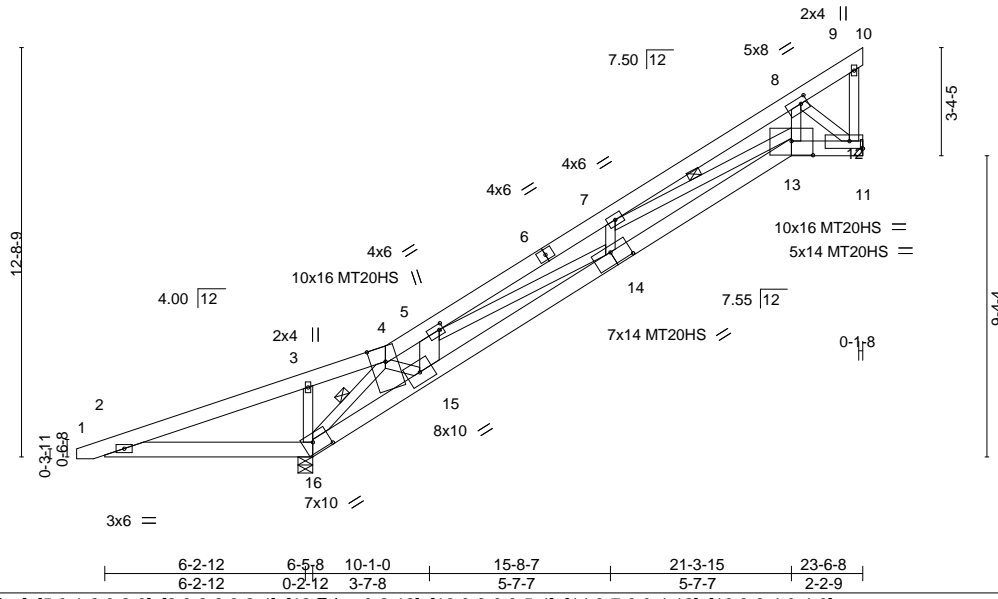


Plate Offsets (X,Y)--	[4:0-5-8,Edge], [5:0-1-8,0-2-0], [8:0-2-8,0-2-4], [12:Edge,0-2-12], [13:0-8-0,0-5-4], [14:0-7-0,0-4-12], [16:0-6-4,0-4-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.78	Vert(LL)	-0.16	14-15	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 1.00	Vert(CT)	-0.50	14-15	>405	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.91	Horz(CT)	0.23	12	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-AS	Wind(LL)	0.20	14-15	>994		
								Weight: 168 lb	FT = 20%

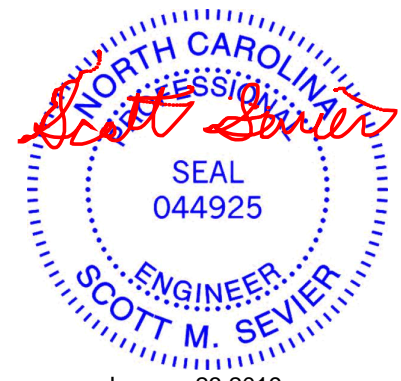
LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x6 SP No.2 *Except* 13-14,14-16: 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2 *Except* 5-15: 2x8 SP DSS	WEBS 1 Row at midpt 7-13, 4-16

REACTIONS. (lb/size) 16=3024/0-5-8, 12=2511/Mechanical
 Max Horz 16=445(LC 12)
 Max Grav 16=3024(LC 1), 12=2670(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-894/712, 3-4=-785/596, 4-5=-5780/0, 5-7=-7204/0, 7-8=-4131/117
 BOT CHORD 2-16=-600/908, 15-16=0/3413, 14-15=0/6426, 13-14=0/7366, 12-13=-94/3163
 WEBS 3-16=-639/364, 4-15=-74/2943, 5-15=-1330/0, 5-14=0/1038, 7-13=-2846/0,
 8-13=-318/4087, 8-12=-4157/116, 4-16=-4643/0

- NOTES-** (9)
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; cantilever left exposed ; end vertical 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1484 lb down and 324 lb up at 10-1-0, and 1120 lb down and 457 lb up at 21-3-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-60, 4-5=-60, 5-9=-140(F=-80), 9-10=-100(F=-80), 16-17=-20, 13-16=-20, 11-13=-20



Continued on page 2

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

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

ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Kent/	
1641677_130	B05	JACK-CLOSED GIRDER	4	1		I35910601
						Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:45 2019 Page 2
 ID:h_gUcblDXiXoqL1mPMfncDza12N-NtemHR9wjKqUCu3xOJ6OfaefZZMU8dae3HPCeozsrJe

LOAD CASE(S) Standard
 Concentrated Loads (lb)
 Vert: 13=-1090(F) 15=-1450(F)

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/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



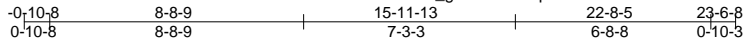
818 Soundside Road
 Edenton, NC 27932

Job 1641677_130	Truss B07	Truss Type JACK-CLOSED	Qty 3	Ply 1	H&H/Kent/ Job Reference (optional)	135910603
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:48 2019 Page 1

ID:h_gUcblDxiXoQL1mPMfncDza12N-oSKvTBp0FC33MnW3Sf5HCGFjnUkLz_4lFdtF7zsrJb



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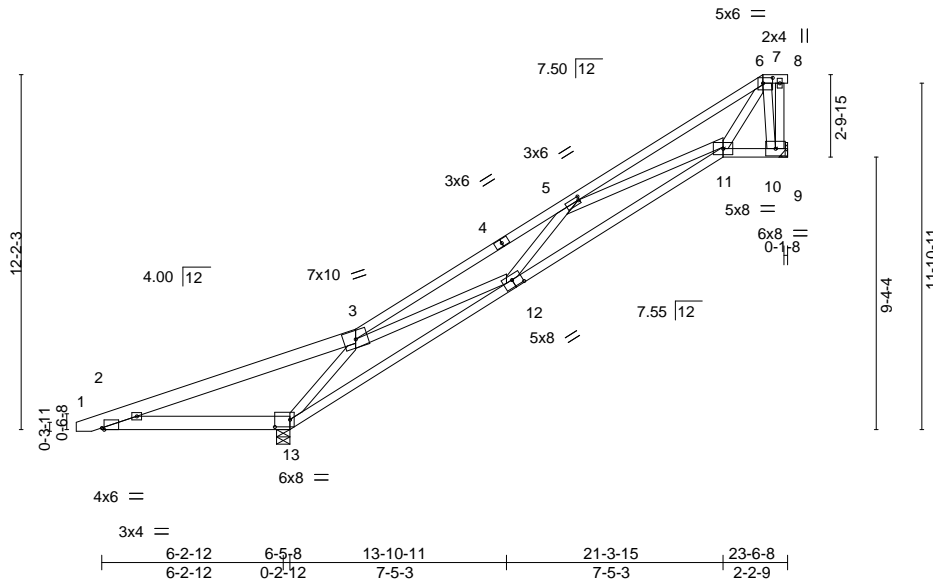


Plate Offsets (X,Y)-- [2:0-0-15,Edge], [5:0-0-8,0-1-8], [6:0-4-0,0-2-4], [12:0-4-0,0-3-0], [13:0-6-4,0-3-0]

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 0.46	Vert(LL)	-0.09 12-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.58	Vert(CT)	-0.20 11-12	>992	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.94	Horz(CT)	0.08 10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-AS	Wind(LL)	0.17 11-12	>999	240		
								Weight: 133 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
1-3: 2x6 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-13: 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD Rigid ceiling directly applied.

REACTIONS.

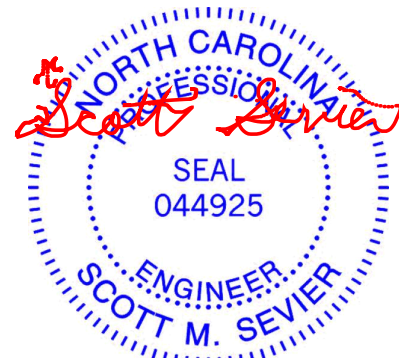
(lb/size) 13=1330/0-5-8, 10=579/Mechanical
Max Horz 13=621(LC 12)
Max Uplift 13=-346(LC 8), 10=-405(LC 12)
Max Grav 13=1330(LC 1), 10=709(LC 19)

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

TOP CHORD 2-3=-1082/985, 3-5=-1912/784, 5-6=-779/279, 7-10=-221/267
BOT CHORD 2-13=-857/1116, 12-13=-872/1095, 11-12=-1427/2381
WEBS 3-13=-1455/908, 3-12=-513/1193, 5-12=-393/515, 5-11=-1393/908, 6-11=-450/1044, 6-10=-1043/620

NOTES- (10)

- 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=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=346, 10=405.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

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.



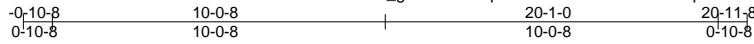
818 Soundside Road
Edenton, NC 27932

Job 1641677_130	Truss C01	Truss Type GABLE	Qty 5	Ply 1	H&H/Kent/ Job Reference (optional)	135910604
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:49 2019 Page 1

ID:h_gUcblDxiXoqL1mPMfncDza12N-GeuH7pCRnZKwhWMid9BKqQoTwAtS4aTD_vNqNZsrJa



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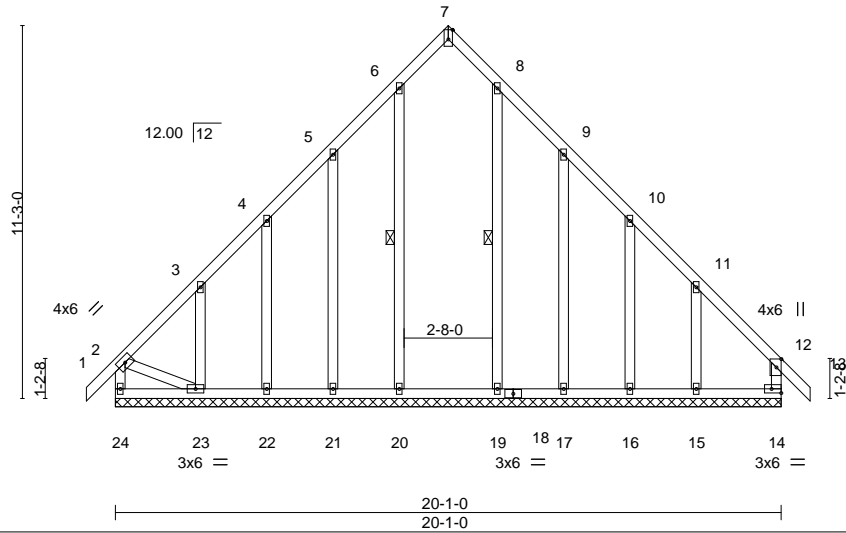


Plate Offsets (X,Y)--	[7:0-3-7,Edge], [12:0-3-0,0-1-12], [14:Edge,0-1-8]							
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.31	Vert(LL) -0.00	13	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.35	Vert(CT) -0.00	13	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.28	Horz(CT) 0.01	14	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S					Weight: 156 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
2-23: 2x4 SP No.3
OTHERS 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 9-6-15 oc bracing.
WEBS 1 Row at midpt 6-20, 8-19

REACTIONS. All bearings 20-1-0.
(lb) - Max Horz 24=413(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 14, 20, 16 except 24=-192(LC 10), 21=-212(LC 12), 22=-145(LC 12), 23=-354(LC 12), 17=-254(LC 13), 15=-438(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 21, 22, 19, 17, 16 except 24=419(LC 12), 14=388(LC 13), 20=300(LC 19), 23=295(LC 19), 15=296(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-24=-402/216, 2-3=-457/285, 3-4=-288/220, 11-12=-455/338, 12-14=-284/206
BOT CHORD 23-24=-384/392, 22-23=-296/372, 21-22=-296/372, 20-21=-296/372, 19-20=-296/372,
17-19=-296/372, 16-17=-296/372, 15-16=-296/372, 14-15=-296/372
WEBS 5-21=-266/246, 9-17=-271/265, 11-15=-337/345, 2-23=-317/439

- NOTES-** (11)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 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 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) 14, 20, 16 except (jt=lb) 24=192, 21=212, 22=145, 23=354, 17=254, 15=438.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

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.

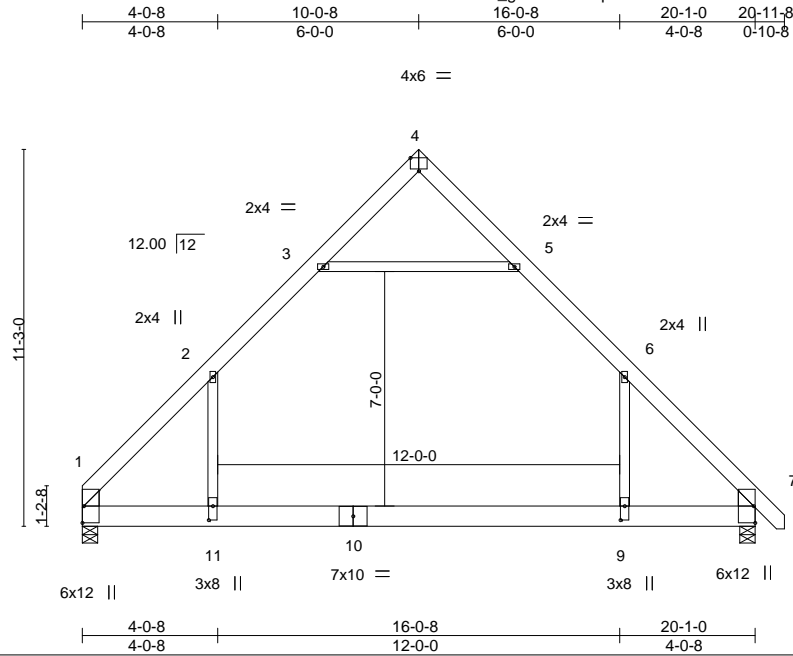


818 Soundside Road
Edenton, NC 27932

Job 1641677_130	Truss C02	Truss Type ROOF TRUSS	Qty 13	Ply 1	H&H/Kent/ 135910605
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:50 2019 Page 1
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Scale = 1:68.8

Plate Offsets (X,Y)--	[1:0-0-8,0-4-3], [1:0-0-4,0-0-4], [4:0-3-0,Edge], [7:0-0-8,0-4-3], [7:0-0-4,0-0-4], [9:0-5-0,0-1-8], [11:0-5-0,0-1-8]
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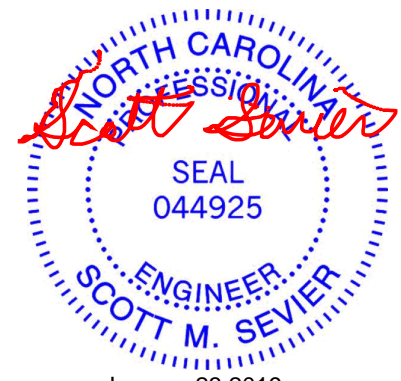
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.95	Vert(LL)	-0.36	9-11	>670	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.51	Vert(CT)	-0.54	9-11	>445		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.70	Horz(CT)	0.03	1	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-AS	Wind(LL)	0.12	9-11	>999	Weight: 156 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x8 SP DSS	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2	
WEDGE	
Left: 2x6 SP No.2, Right: 2x6 SP No.2	

REACTIONS. (lb/size) 1=970/0-5-8, 7=1017/0-5-8
 Max Horz 1=-352(LC 10)
 Max Uplift 1=-57(LC 13), 7=-69(LC 13)
 Max Grav 1=1262(LC 21), 7=1293(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-1759/140, 2-3=-951/266, 5-6=-951/266, 6-7=-1759/140
 BOT CHORD 1-11=-6/1017, 9-11=-5/1019, 7-9=-5/1016
 WEBS 6-9=-0/1034, 2-11=-0/1033, 3-5=-1142/334

- NOTES-** (10)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s) 2-3, 5-6, 3-5; Wall dead load (5.0psf) on member(s) 6-9, 2-11
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 9-11
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - Attic room checked for L/360 deflection.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



Job 1641677_130	Truss C03	Truss Type ROOF TRUSS	Qty 64	Ply 1	H&H/Kent/ Job Reference (optional)	135910606
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:51 2019 Page 1

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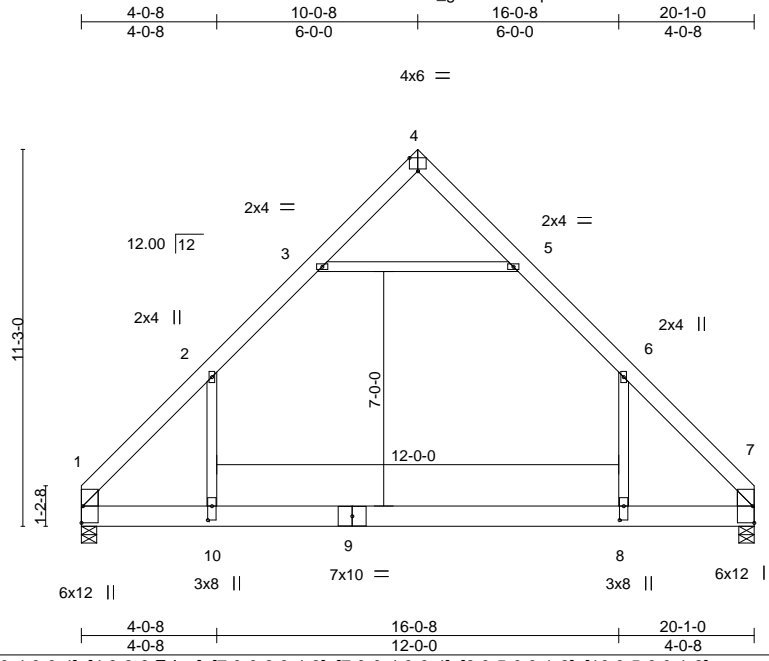


Plate Offsets (X,Y)--	[1:0-0-8,0-4-3], [1:0-0-4,0-0-4], [4:0-3-0,Edge], [7:0-0-8,0-4-3], [7:0-0-4,0-0-4], [8:0-5-0,0-1-8], [10:0-5-0,0-1-8]
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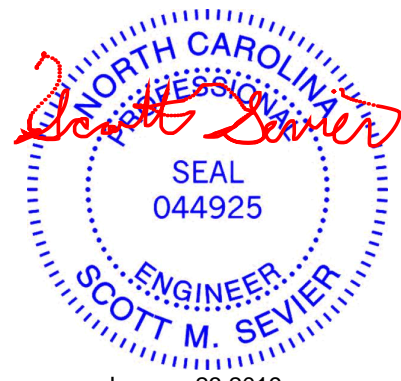
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.95	Vert(LL)	-0.36	8-10	>670	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.51	Vert(CT)	-0.54	8-10	>445		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.70	Horz(CT)	0.03	1	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-AS	Wind(LL)	0.12	8-10	>999		
								Weight: 153 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x8 SP DSS	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2	
WEDGE	
Left: 2x6 SP No.2, Right: 2x6 SP No.2	

REACTIONS. (lb/size) 1=971/0-5-8, 7=971/0-5-8
 Max Horz 1=335(LC 9)
 Max Uplift 1=-58(LC 13), 7=-58(LC 12)
 Max Grav 1=1262(LC 21), 7=1262(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-1761/141, 2-3=-952/266, 5-6=-951/266, 6-7=-1760/140
 BOT CHORD 1-10=-23/1005, 8-10=-22/1008, 7-8=-22/1004
 WEBS 6-8=0/1034, 2-10=0/1034, 3-5=-1144/334

- NOTES-** (10)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s) 2-3, 5-6, 3-5; Wall dead load (5.0psf) on member(s) 6-8, 2-10
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 8-10
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - Attic room checked for L/360 deflection.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



Job 1641677_130	Truss C04	Truss Type GABLE	Qty 3	Ply 1	H&H/Kent/ Job Reference (optional)	135910607
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:52 2019 Page 1

ID:h_gUcblDxiXoqL1mPMfncDza12N-gDZQlrEJ4UjUYz5HIHk1S2Q01Oy5Hztggs4OuzsrJX

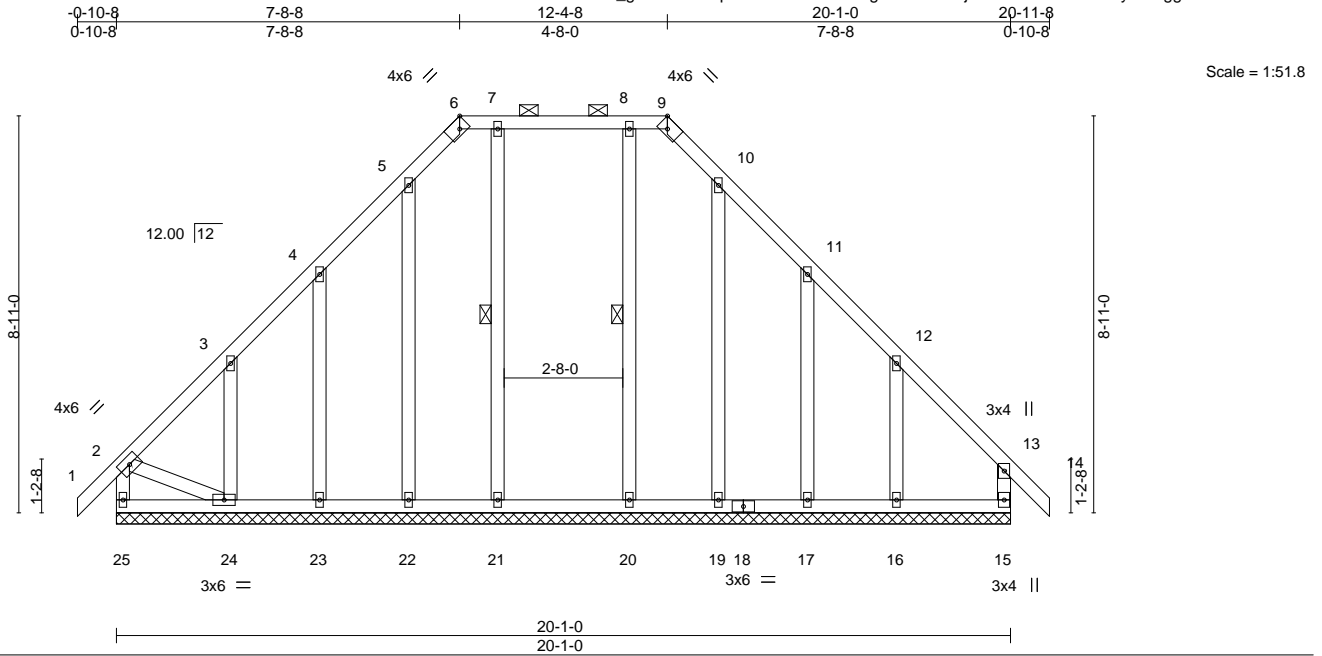


Plate Offsets (X,Y)--	[6:0-2-8,Edge], [9:0-2-8,Edge]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.19	Vert(LL) -0.00 14 n/r 120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.17	Vert(CT) -0.00 14 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.17	Horz(CT) 0.01 15 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S		Weight: 151 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-9.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except*	WEBS 1 Row at midpt 7-21, 8-20
OTHERS 2-24: 2x4 SP No.3	

REACTIONS. All bearings 20-1-0.
 (lb) - Max Horz 25=337(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 15, 21, 22, 20, 19 except 25=-222(LC 8), 23=-181(LC 12), 24=-279(LC 12), 17=-156(LC 13), 16=-290(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 15, 22, 23, 19, 17 except 25=325(LC 20), 21=286(LC 22), 24=298(LC 19), 20=275(LC 22), 16=262(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-25=-300/232, 2-3=-287/273, 4-5=-247/311, 5-6=-267/297, 6-7=-241/281, 7-8=-241/281, 8-9=-241/281, 9-10=-267/297, 10-11=-246/271
 BOT CHORD 24-25=-309/317
 WEBS 12-16=-280/262, 2-24=-250/279

- NOTES-** (13)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 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 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) 15, 21, 22, 20, 19 except (jt=lb) 25=222, 23=181, 24=279, 17=156, 16=290.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

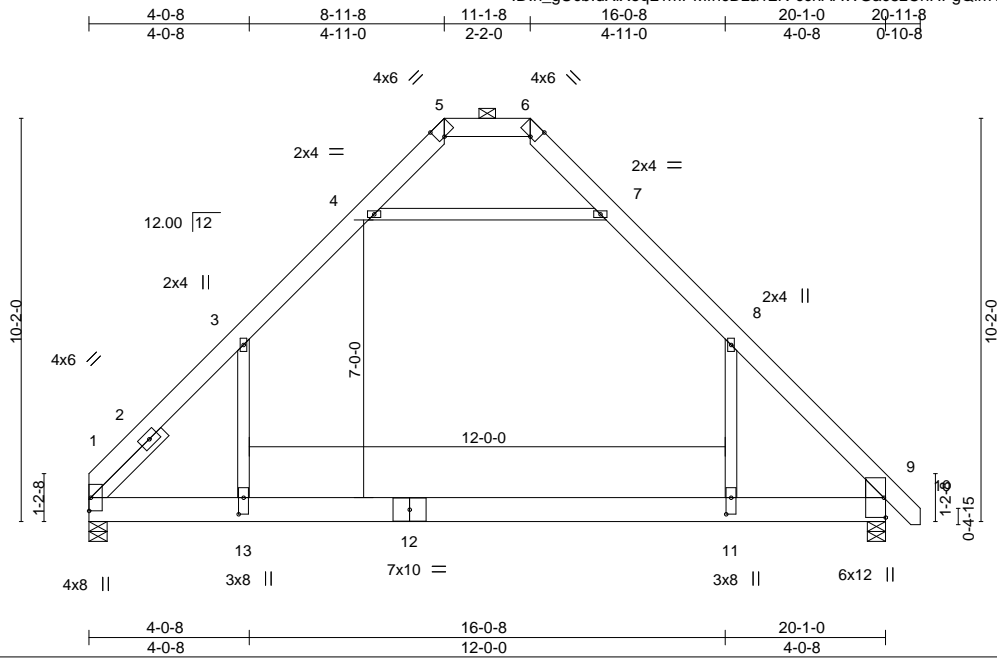
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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.</p>	<p>ENGINEERING BY TRENCO A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job 1641677_130	Truss C05	Truss Type ROOF TRUSS	Qty 3	Ply 1	H&H/Kent/ Job Reference (optional)	135910608
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:54 2019 Page 1

ID:h_gUcblDXiXoqL1mPMfncDza12N-cchAAWGac5zCnHFgQimVXTVA4BZFJj?y8A4BSnzsJV



Scale = 1:58.1

Plate Offsets (X, Y)--	[5:0-2-2,Edge], [6:0-2-2,Edge], [9:0-0-8,0-4-3], [9:0-0-4,0-0-4], [11:0-5-0,0-1-8], [13:0-5-0,0-1-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.92	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.51	Vert(LL) -0.34 11-13 >694 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.77	Vert(CT) -0.51 11-13 >463 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.03 1 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.12 11-13 >999 240	Weight: 156 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1 *Except* 5-6: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (10-0-0 max.): 5-6.
BOT CHORD 2x8 SP DSS	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2	
WEDGE Right: 2x6 SP No.2	
SLIDER Left 2x4 SP No.2 2-6-0	

REACTIONS. (lb/size) 1=963/0-5-8, 9=1006/0-5-8
 Max Horz 1=-318(LC 8)
 Max Uplift 1=-37(LC 12), 9=-67(LC 13)
 Max Grav 1=1237(LC 2), 9=1264(LC 2)

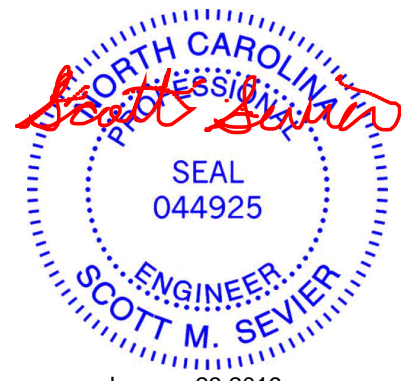
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-3=-1594/105, 3-4=-882/270, 4-5=-74/265, 5-6=0/408, 6-7=-72/267, 7-8=-879/268, 8-9=-1667/106

BOT CHORD 1-13=0/960, 11-13=0/962, 9-11=0/959

WEBS 3-13=0/1039, 8-11=0/1007, 4-7=-1199/314

- NOTES-** (12)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-7; Wall dead load (5.0psf) on member(s).3-13, 8-11
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 11-13
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Attic room checked for L/360 deflection.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

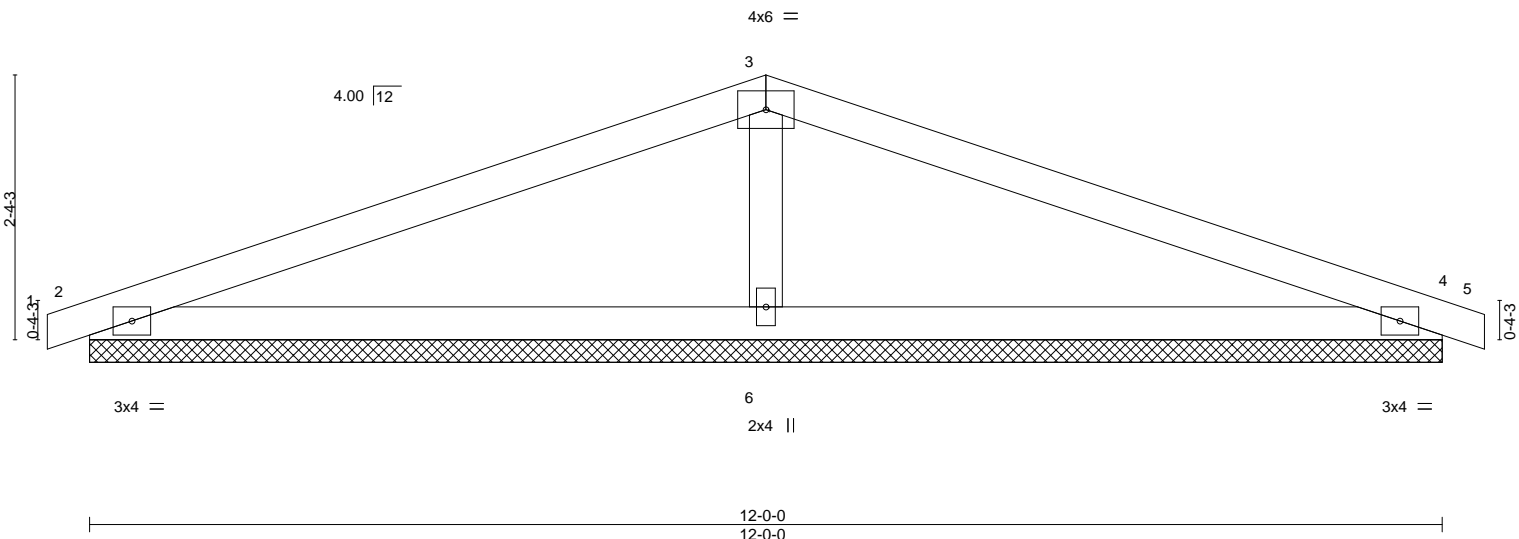
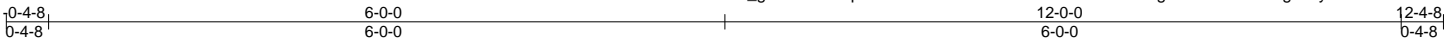
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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

ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Kent/	135910609
1641677_130	CP01	Common Supported Gable	3	1		
Builders FirstSource, Sumter, SC - 29153,						8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:54 2019 Page 1
ID:h_gUcblDxiXoqL1mPMfncDza12N-cchAAWgac5zCnHFgQimVXTVHaBbglumy8A4BSnzsJv						Job Reference (optional)



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 0.50	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.35	Vert(CT)	0.02	5	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S							
									Weight: 41 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	

REACTIONS. (lb/size) 2=228/12-0-0, 4=228/12-0-0, 6=549/12-0-0
 Max Horz 2=-48(LC 13)
 Max Uplift 2=-103(LC 8), 4=-109(LC 9), 6=-120(LC 8)
 Max Grav 2=235(LC 23), 4=235(LC 24), 6=549(LC 1)

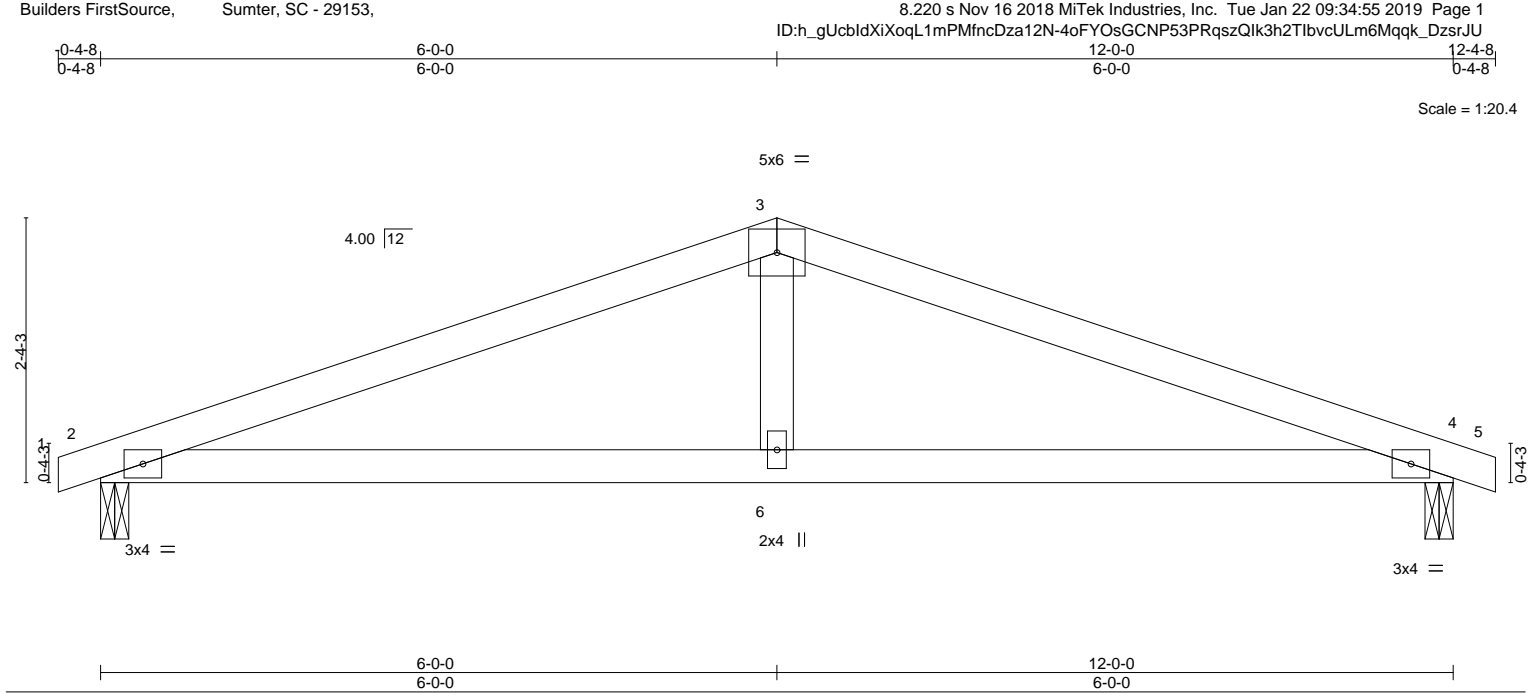
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-366/288

- NOTES-** (9)
- 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=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - 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 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=103, 4=109, 6=120.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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Job	Truss	Truss Type	Qty	Ply	H&H/Kent/	135910610
1641677_130	CP02	Common	9	1		
Builders FirstSource, Sumter, SC - 29153,						8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:55 2019 Page 1
0-4-8 0-4-8						12-0-0 6-0-0
6-0-0 6-0-0						12-4-8 0-4-8
						Scale = 1:20.4



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 0.44	Vert(LL)	0.10 6-12	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.43	Vert(CT)	-0.09 6-12	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10	Horz(CT)	-0.01 4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-AS					Weight: 41 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3	

REACTIONS. (lb/size) 2=503/0-3-0, 4=503/0-3-0
 Max Horz 2=-48(LC 13)
 Max Uplift 2=-312(LC 8), 4=-312(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-902/1210, 3-4=-902/1210
 BOT CHORD 2-6=-1072/826, 4-6=-1072/826
 WEBS 3-6=-407/267

- NOTES-** (7)
- 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=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; 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 20.0psf 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=312, 4=312.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



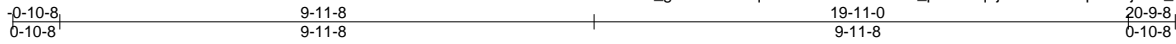
January 23, 2019

Job 1641677_130	Truss D01	Truss Type GABLE	Qty 2	Ply 1	H&H/Kent/ Job Reference (optional)	135910611
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:56 2019 Page 1

ID:h_gUcblDxiXoQL1mPMfncDza12N-Z_pxbCHq8jDw1aO2X7pzcubjb?K_DoxFbUZIXfzsrJT



5x6 =

Scale = 1:42.9

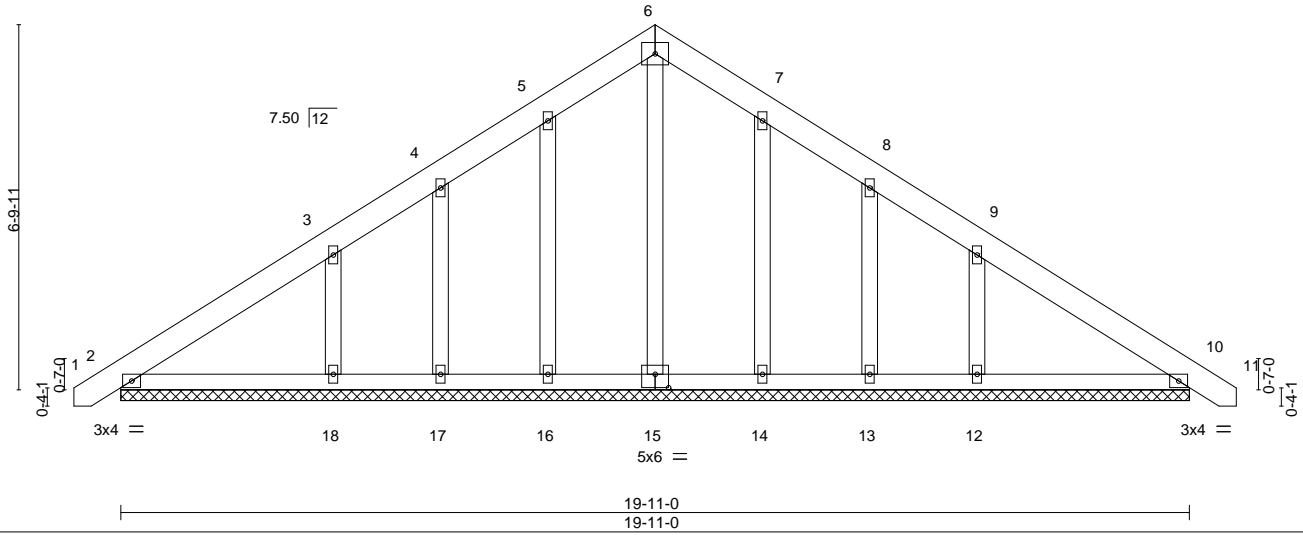


Plate Offsets (X,Y)-- [15:0-3-0,0-3-0]

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 0.09	Vert(LL)	0.00	11	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.10	Vert(CT)	0.00	11	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.11	Horz(CT)	0.00	10	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 131 lb	FT = 20%

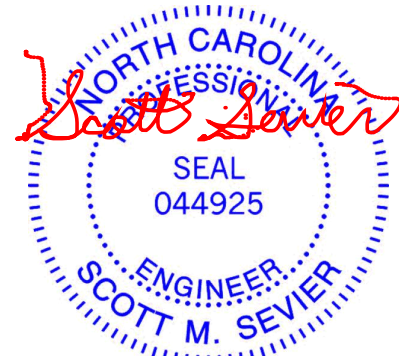
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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 19-11-0.
(lb) - Max Horz 2=-223(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 16, 17, 14, 13 except 18=-194(LC 12), 12=-191(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 15, 16, 17, 14, 13 except 18=351(LC 19), 12=348(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-18=-306/231, 9-12=-306/228

- NOTES-** (10)
- 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; BC DL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 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, 10, 16, 17, 14, 13 except (jt=lb) 18=194, 12=191.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

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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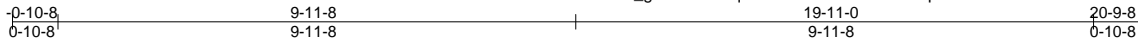
818 Soundside Road
Edenton, NC 27932

Job 1641677_130	Truss D02	Truss Type COMMON	Qty 15	Ply 1	H&H/Kent/ Job Reference (optional)	135910612
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:57 2019 Page 1

ID:h_gUcblDxiXoqL1mPMfncDza12N-1BNJpYISv0LneKzF5rKC967m1PTiyEyPq8Jr35zsrJS



7x14 MT20HS ||

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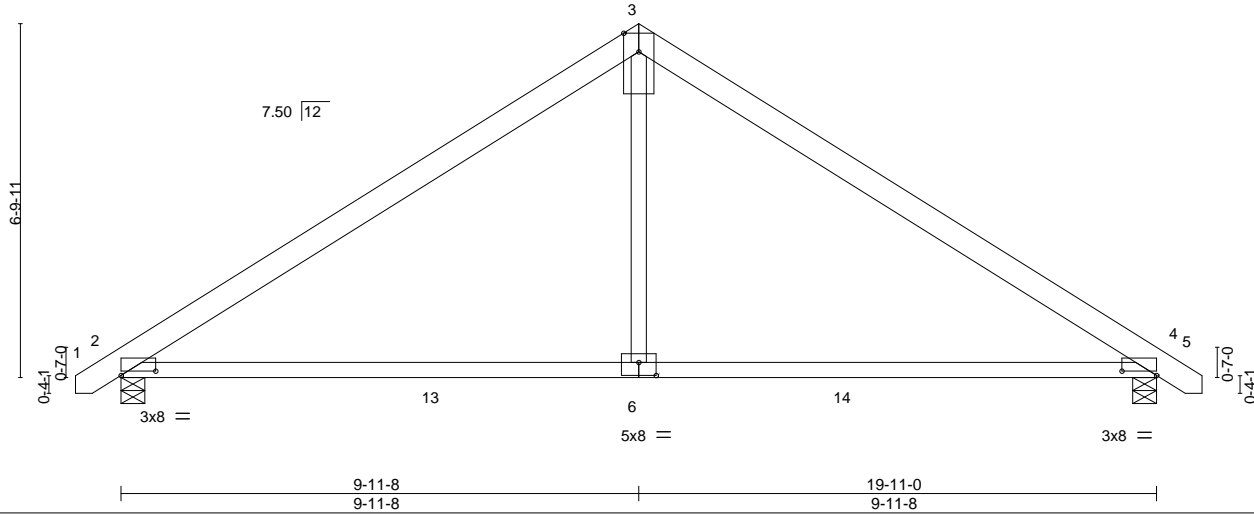


Plate Offsets (X,Y)--	[2:0-8-0,0-1-0], [4:0-8-0,0-1-0], [6:0-4-0,0-3-0]
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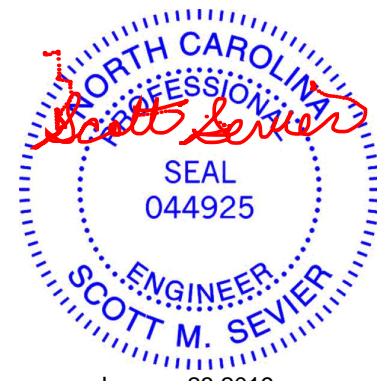
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.56	Vert(LL) -0.13 6-12 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.91	Vert(CT) -0.29 6-12 >829 240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr YES	WB 0.19	Horz(CT) 0.02 4 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0.15 6-9 >999 240	Weight: 99 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3	

REACTIONS.
(lb/size) 2=839/0-5-8, 4=839/0-5-8
Max Horz 2=223(LC 11)
Max Uplift 2=-225(LC 12), 4=-225(LC 13)
Max Grav 2=910(LC 19), 4=910(LC 20)

FORCES.
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1092/326, 3-4=-1092/326
BOT CHORD 2-6=-111/907, 4-6=-111/907
WEBS 3-6=0/487

- NOTES-** (8)
- 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=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf 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=225, 4=225.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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

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

ENGINEERING BY

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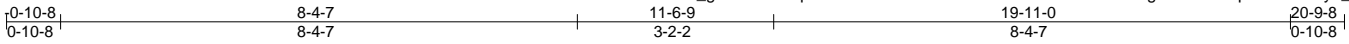
818 Soundside Road
 Edenton, NC 27932

Job 1641677_130	Truss D03	Truss Type GABLE	Qty 1	Ply 1	H&H/Kent/ Job Reference (optional)	135910613
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:34:59 2019 Page 1

ID:h_gUcblDXiXoqL1mPMfncDza12N-zZU3DEKiQebVu27dCGMgEXDEDCNpQ9DhHSoy7_zsrJQ



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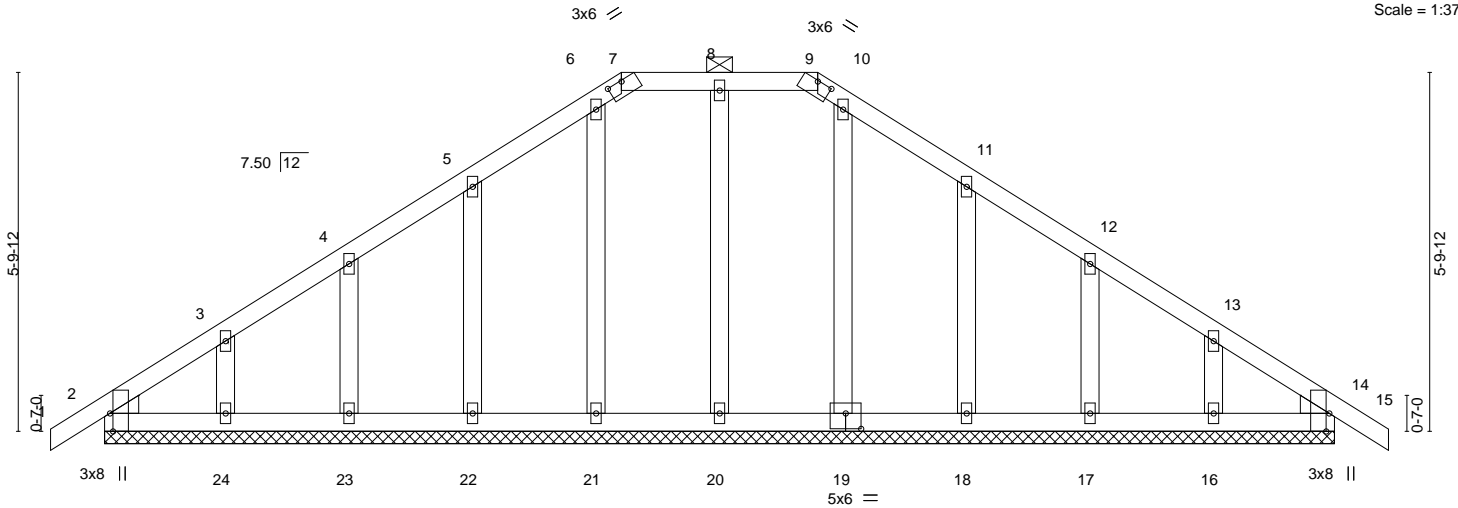


Plate Offsets (X,Y)--	[2:0-3-8,Edge], [2:0-0-10,0-4-12], [2:0-0-5,0-0-8], [7:0-3-0,0-0-3], [9:0-3-0,0-0-3], [14:0-3-8,Edge], [14:0-0-10,0-4-12], [14:0-0-5,0-0-8], [19:0-3-0,0-3-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.06	Vert(LL)	-0.00	14	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	-0.00	14	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	14	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 114 lb	FT = 20%

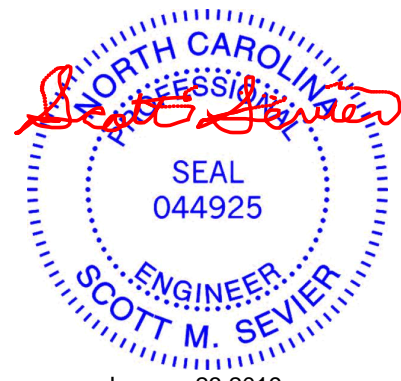
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.2, Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 19-11-0.
(lb) - Max Horz 2=194(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 20, 21, 23, 17, 14 except 22=-110(LC 12), 24=-122(LC 12), 18=-113(LC 13), 16=-117(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 20, 21, 22, 23, 24, 19, 18, 17, 14, 16

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

- NOTES-** (12)
- 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=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - Provide adequate drainage to prevent water ponding.
 - 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 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, 20, 21, 23, 17, 14 except (it=lb) 22=110, 24=122, 18=113, 16=117.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



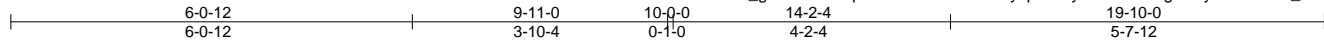
January 23, 2019

Job 1641677_130	Truss FG01	Truss Type Flat Girder	Qty 2	Ply 2	H&H/Kent/ Job Reference (optional)	135910614
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:01 2019 Page 1

ID:h_gUcblDxiXoqL1mPMfncDza12N-vycpevLzyFrD7MH0KgO8JyITk0v2usB_lmH3CtZsrJO



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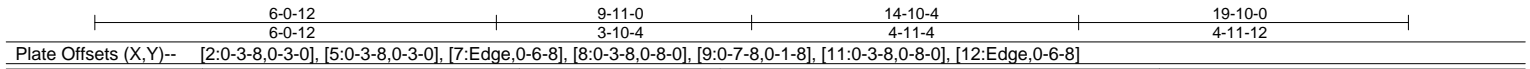
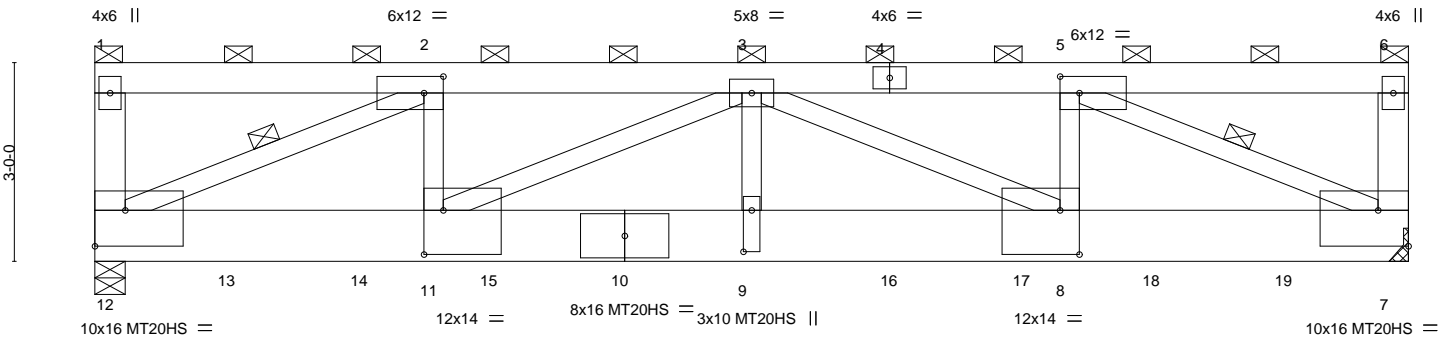


Plate Offsets (X, Y)-- [2:0-3-8,0-3-0], [5:0-3-8,0-3-0], [7:Edge,0-6-8], [8:0-3-8,0-8-0], [9:0-7-8,0-1-8], [11:0-3-8,0-8-0], [12:Edge,0-6-8]

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 0.51	Vert(LL)	-0.16	9	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.69	Vert(CT)	-0.35	9	>671	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.94	Horz(CT)	0.06	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS	Wind(LL)	0.13	9	>999	240		Weight: 339 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD 2-0-0 oc purlins (4-0-6 max.): 1-6, except end verticals.
BOT CHORD 2x10 SP DSS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except* 1-12,6-7: 2x6 SP No.2	WEBS 1 Row at midpt 2-12, 5-7

REACTIONS. (lb/size) 12=7424/0-5-8, 7=7587/Mechanical
 Max Horz 12=-74(LC 21)
 Max Uplift 12=-612(LC 4), 7=-623(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-12=-292/58, 1-2=-559/89, 2-3=-12312/202, 3-5=-12304/124, 5-6=-569/61,
 6-7=-293/56
 BOT CHORD 11-12=-202/12312, 9-11=-56/15643, 8-9=-56/15643, 7-8=-124/12304
 WEBS 2-12=-13081/136, 2-11=0/5647, 3-11=-3719/0, 3-8=-3728/0, 5-8=0/5638, 5-7=-13060/70,
 3-9=0/2920

- NOTES-** (12)
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-4-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=612, 7=623.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 664 lb down and 456 lb up at 2-0-12, 698 lb down and 195 lb up at 2-0-12, 664 lb down and 456 lb up at 4-0-12, 698 lb down and 195 lb up at 4-0-12, 2491 lb down and 195 lb up at 6-0-4, 698 lb down and 195 lb up at 6-0-12, 698 lb down and 195 lb up at 8-0-12, 698 lb down and 195 lb up at 10-0-12, 698 lb down and 195 lb up at 12-0-12, 698 lb down and 195 lb up at 14-0-12, 2491 lb down at 14-1-12, 664 lb down and 456 lb up at 16-0-4, 698 lb down and 195 lb up at 16-0-12, and 664 lb down and 456 lb up at 18-0-4, and 698 lb down and 195 lb up at 18-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



Continued on page 2

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

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

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818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Kent/
1641677_130	FG01	Flat Girder	2	2	

I35910614

Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:01 2019 Page 2

ID:h_gUcblDxiXoqL1mPMfncDza12N-vycpevLzyFrD7MH0KgO8JyITk0v2usB_lmH3CtzsrJO

12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-6=-60, 7-12=-20

Concentrated Loads (lb)

Vert: 10=-698(B) 9=-698(B) 13=-1247(F=-549, B=-698) 14=-1247(F=-549, B=-698) 15=-3189(F=-2491, B=-698) 16=-698(B) 17=-3189(F=-2491, B=-698) 18=-1247(F=-549, B=-698) 19=-1247(F=-549, B=-698)

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 1641677_130	Truss FG02	Truss Type Flat Girder	Qty 3	Ply 2	H&H/Kent/ Job Reference (optional)	135910615
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:04 2019 Page 1

ID:h_gUcblDxiXoqL1mPMfncDza12N-KXlyHxNrfADn_p0b?pyrxawy_Dx05GIRrkWjpBzsrJL



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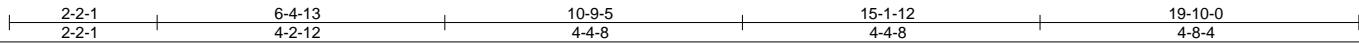
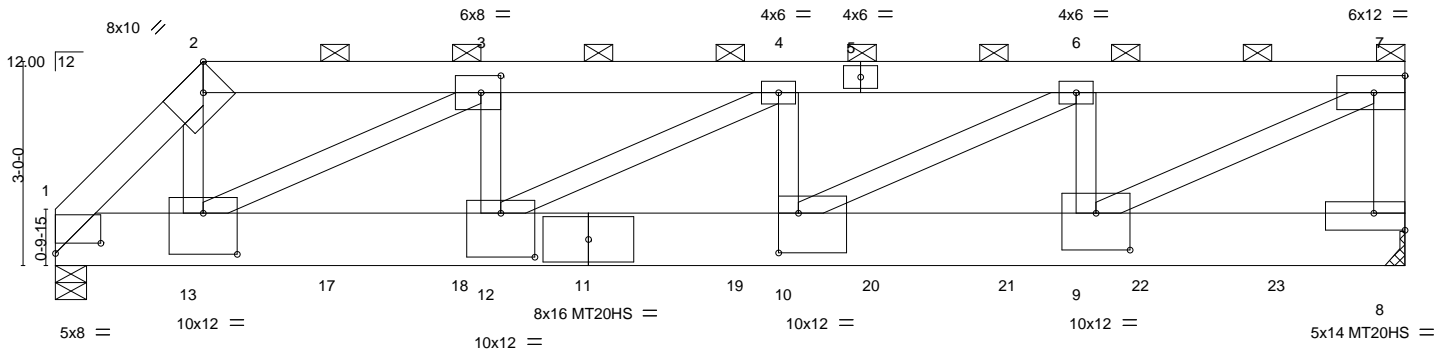


Plate Offsets (X,Y)-- [1:0-8-0,0-1-13], [2:0-3-14,Edge], [3:0-3-8,0-3-0], [8:Edge,0-3-0], [9:0-6-0,0-6-8], [10:0-3-8,0-7-0], [12:0-6-0,0-7-12], [13:0-6-0,0-7-4]

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 0.64	Vert(LL)	-0.15	10-12	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.61	Vert(CT)	-0.33	10-12	>712	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.76	Horz(CT)	0.04	8	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS	Wind(LL)	0.14	10-12	>999		
								Weight: 337 lb	FT = 20%

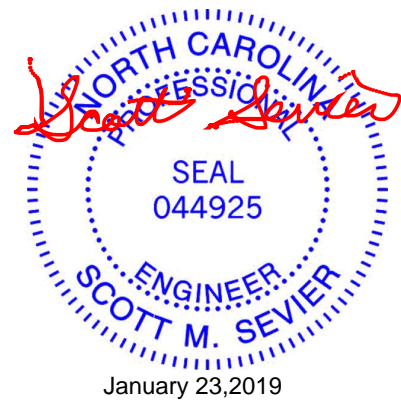
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS
WEBS 2x4 SP No.2 *Except*
7-8: 2x6 SP No.2, 3-13,4-12,6-10,7-9: 2x4 SP SS

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-5 oc purlins, except end verticals, and 2-0-0 oc purlins (3-4-14 max.): 2-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=6689/0-5-8, 8=7657/Mechanical
Max Horz 1=82(LC 8)
Max Uplift 1=-757(LC 5), 8=-811(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-9073/976, 2-3=-5957/662, 3-4=-14418/910, 4-6=-15571/718, 6-7=-11844/494, 7-8=-6378/285
BOT CHORD 1-13=-700/6334, 12-13=-910/14418, 10-12=-718/15571, 9-10=-494/11844, 8-9=-65/437
WEBS 2-13=-630/6173, 3-13=-9638/298, 3-12=-42/4518, 4-12=-1368/0, 4-10=-49/355, 6-10=-254/4246, 6-9=-2115/227, 7-9=-487/12937

- NOTES-** (12)
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=757, 8=811.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 640 lb down and 425 lb up at 2-0-12, 664 lb down and 456 lb up at 4-0-12, 2456 lb down at 6-0-4, 1470 lb down and 911 lb up at 6-0-12, 698 lb down and 195 lb up at 8-0-12, 698 lb down and 195 lb up at 10-0-12, 698 lb down and 195 lb up at 12-0-12, 698 lb down and 195 lb up at 14-0-12, 2456 lb down at 14-1-12, 664 lb down and 456 lb up at 16-0-4, 698 lb down and 195 lb up at 16-0-12, and 664 lb down and 456 lb up at 18-0-4, and 698 lb down and 195 lb up at 18-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



Continued on page 2

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

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

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Kent/
1641677_130	FG02	Flat Girder	3	2	
					Job Reference (optional)

I35910615

Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:04 2019 Page 2

ID:h_gUcblDXiXoqL1mPMfncDza12N-KXlyHxNrFADn_p0b?pyrxawy_Dx05GIRrkWjpBzsrJL

12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-60, 2-7=-60, 8-14=-20

Concentrated Loads (lb)

Vert: 11=-698(B) 13=-559(F) 17=-549(F) 18=-3927(F=-2456, B=-1470) 19=-698(B) 20=-698(B) 21=-3154(F=-2456, B=-698) 22=-1247(F=-549, B=-698)
23=-1247(F=-549, B=-698)

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.



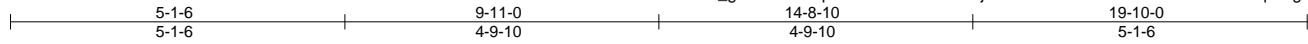
818 Soundside Road
Edenton, NC 27932

Job 1641677_130	Truss FG03	Truss Type Flat Girder	Qty 3	Ply 2	H&H/Kent/ Job Reference (optional)	135910616
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:05 2019 Page 1

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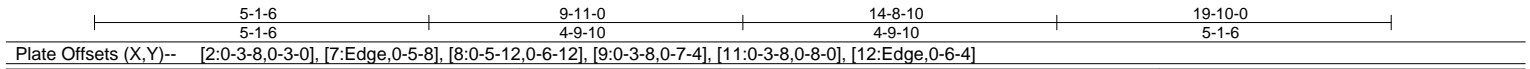
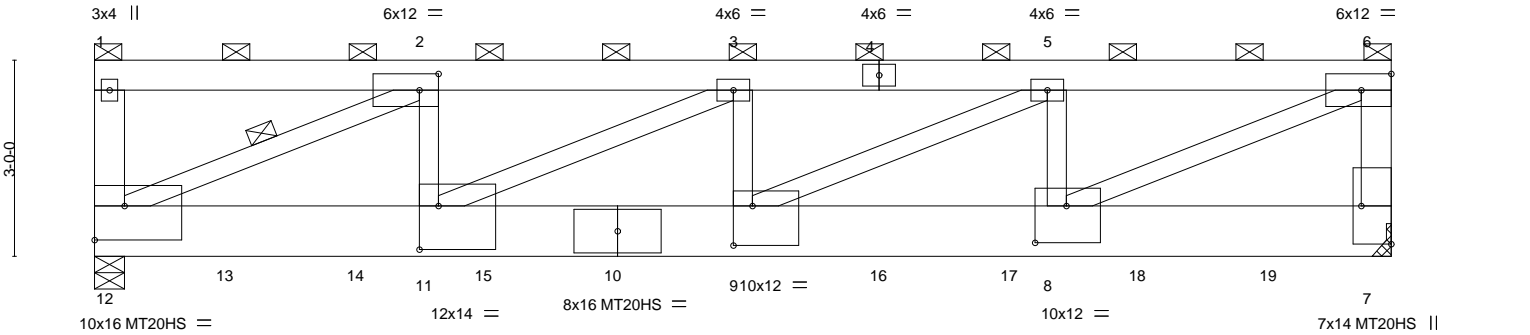


Plate Offsets (X,Y)-- [2:0-3-8,0-3-0], [7:Edge,0-5-8], [8:0-5-12,0-6-12], [9:0-3-8,0-7-4], [11:0-3-8,0-8-0], [12:Edge,0-6-4]

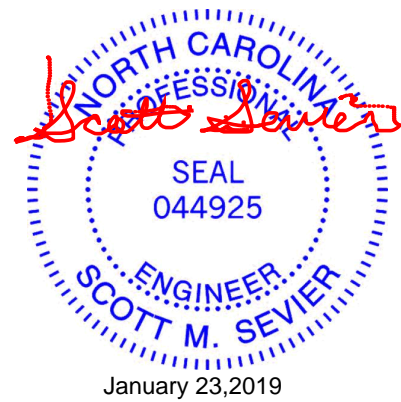
LOADING (psf)	SPACING	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.15	TC 0.65	Vert(LL)	-0.16	9	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.66	Vert(CT)	-0.35	9	>672	240	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.73	Horz(CT)	0.04	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS	Wind(LL)	0.13	9	>999	240		
									Weight: 339 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD 2-0-0 oc purlins (3-4-11 max.): 1-6, except end verticals.
BOT CHORD 2x10 SP DSS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP SS *Except*	WEBS 1 Row at midpt 2-12
1-12,6-7: 2x6 SP No.2, 2-11,3-9,5-8: 2x4 SP No.2	

REACTIONS. (lb/size) 12=7389/0-5-8, 7=7552/Mechanical
 Max Horz 12=-74(LC 6)
 Max Uplift 12=-636(LC 4), 7=-647(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-12=-266/58, 1-2=-476/89, 2-3=-12390/255, 3-5=-15389/105, 5-6=-12386/177, 6-7=-6089/113
 BOT CHORD 11-12=-255/12390, 9-11=-105/15389, 8-9=-177/12386, 7-8=-63/485
 WEBS 2-12=-13264/195, 2-11=0/5681, 3-11=-3349/0, 3-9=0/1129, 5-9=0/3354, 5-8=-1611/83, 6-8=-127/13244

- NOTES-** (12)
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-4-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=636, 7=647.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 664 lb down and 456 lb up at 2-0-12, 698 lb down and 195 lb up at 2-0-12, 664 lb down and 456 lb up at 4-0-12, 698 lb down and 195 lb up at 4-0-12, 2456 lb down at 6-0-4, 698 lb down and 195 lb up at 6-0-12, 698 lb down and 195 lb up at 8-0-12, 698 lb down and 195 lb up at 10-0-12, 698 lb down and 195 lb up at 12-0-12, 698 lb down and 195 lb up at 14-0-12, 2456 lb down at 14-1-12, 664 lb down and 456 lb up at 16-0-4, 698 lb down and 195 lb up at 16-0-12, and 664 lb down and 456 lb up at 18-0-4, and 698 lb down and 195 lb up at 18-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



Continued on page 2

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>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.</p>	<p>818 Soundside Road Edenton, NC 27932</p>
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Job	Truss	Truss Type	Qty	Ply	H&H/Kent/
1641677_130	FG03	Flat Girder	3	2	

I35910616

Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:05 2019 Page 2

ID:h_gUcblDXoqL1mPMfncDza12N-ojsKUHOT0ULeczbnZWT4ToT6VdGOqiRagOFGLezsrJK

Job Reference (optional)

12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-6=-60, 7-12=-20

Concentrated Loads (lb)

Vert: 10=-698(B) 9=-698(B) 13=-1247(F=-549, B=-698) 14=-1247(F=-549, B=-698) 15=-3154(F=-2456, B=-698) 16=-698(B) 17=-3154(F=-2456, B=-698) 18=-1247(F=-549, B=-698) 19=-1247(F=-549, B=-698)

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.



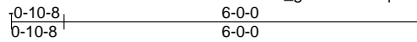
818 Soundside Road
Edenton, NC 27932

Job 1641677_130	Truss J03	Truss Type JACK-OPEN	Qty 12	Ply 1	H&H/Kent/ 135910617
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:06 2019 Page 1

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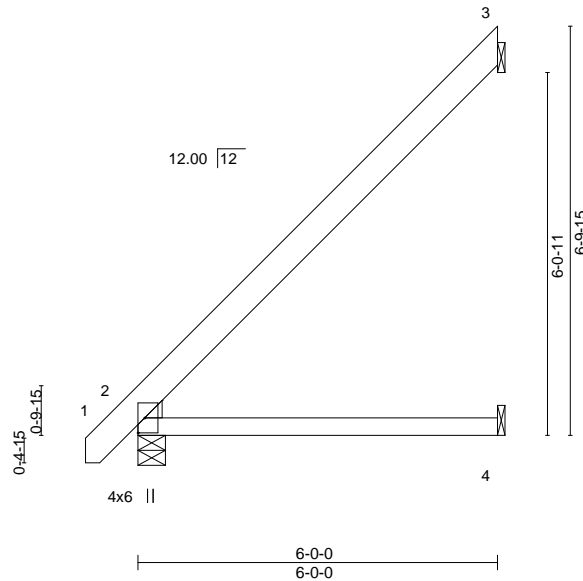


Plate Offsets (X,Y)--	[2:0-0-11,0-0-11], [2:0-1-5,0-3-11]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.38	Vert(LL) 0.08 4-7 >946 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.29	Vert(CT) -0.08 4-7 >858 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.02 3 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS		Weight: 33 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 3=177/Mechanical, 2=286/0-5-8, 4=57/Mechanical
Max Horz 2=343(LC 12)
Max Uplift 3=261(LC 12)
Max Grav 3=231(LC 19), 2=286(LC 1), 4=96(LC 3)

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

- NOTES-** (7)
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Refer to girder(s) for 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) 3=261.
 - 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 7) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

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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.

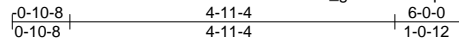
ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job 1641677_130	Truss J04	Truss Type Half Hip	Qty 6	Ply 1	H&H/Kent/ 135910618
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Builders FirstSource, Sumter, SC - 29153,

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ID:h_gUcblDXiXoqL1mPMfncDza12N-k6z5vzQkY5bMrHkAgxVYYDYUSRzxlInt7ikNQWzsrJI



4x6 =

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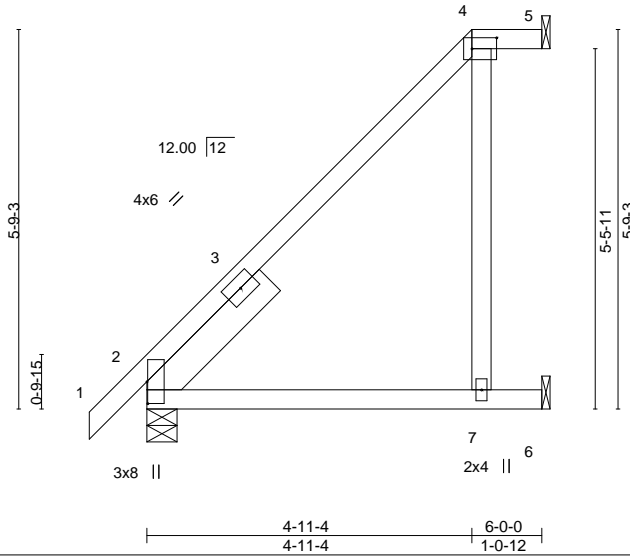


Plate Offsets (X,Y)--	[2:0-4-0,0-0-2], [4:0-4-8,0-2-0]
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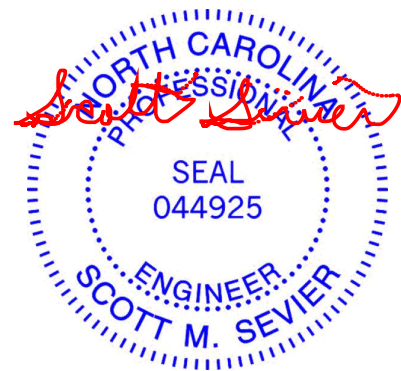
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.56	Vert(LL) 0.20 7-10 >364 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.59	Vert(CT) -0.15 7-10 >480 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.16	Horz(CT) 0.15 5 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS		Weight: 37 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except
BOT CHORD 2x4 SP No.2	2-0-0 oc purlins: 4-5.
WEBS 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied.
SLIDER Left 2x6 SP No.2 2-6-0	

REACTIONS. (lb/size) 5=30/Mechanical, 2=294/0-5-8, 6=204/Mechanical
 Max Horz 2=300(LC 12)
 Max Uplift 5=-20(LC 8), 6=-183(LC 12)
 Max Grav 5=30(LC 1), 2=294(LC 1), 6=232(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-378/175
 WEBS 4-7=-282/263

- NOTES-** (10)
- 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=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 6=183.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



Job 1641677_130	Truss J05	Truss Type Half Hip	Qty 6	Ply 1	H&H/Kent/ Job Reference (optional)	135910619
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:08 2019 Page 1

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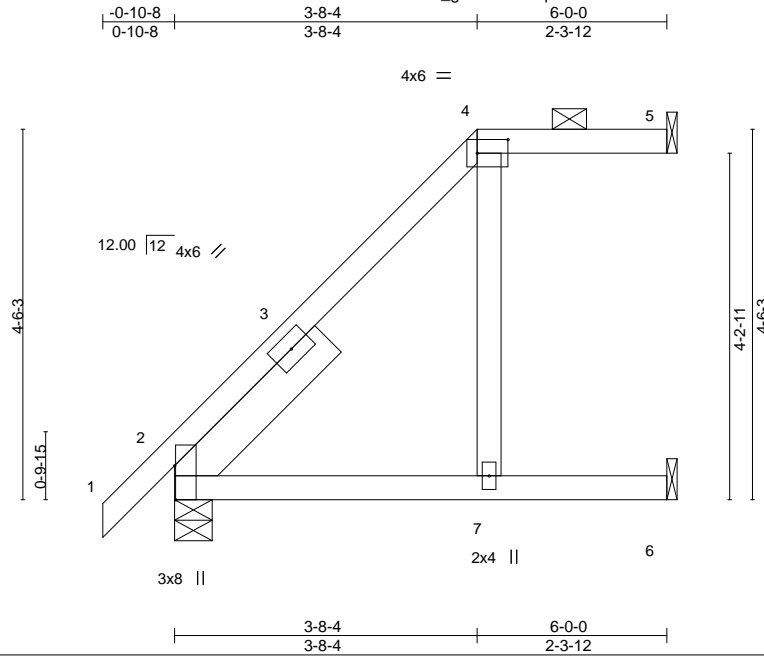


Plate Offsets (X,Y)--	[2:0-5-0,Edge], [4:0-4-8,0-2-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.44	Vert(LL)	0.22	7-10	>323	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.79	Vert(CT)	-0.20	7-10	>356		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10	Horz(CT)	0.27	5	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-AS					Weight: 34 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except
BOT CHORD 2x4 SP No.2	2-0-0 oc purlins: 4-5.
WEBS 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied.
SLIDER Left 2x6 SP No.2 2-6-0	

REACTIONS. (lb/size) 5=68/Mechanical, 2=294/0-5-8, 6=166/Mechanical
 Max Horz 2=234(LC 12)
 Max Uplift 5=45(LC 8), 2=27(LC 12), 6=98(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-592/341
 WEBS 4-7=-273/271

- NOTES-** (10)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 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 20.0psf 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) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2, 6.
 - 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

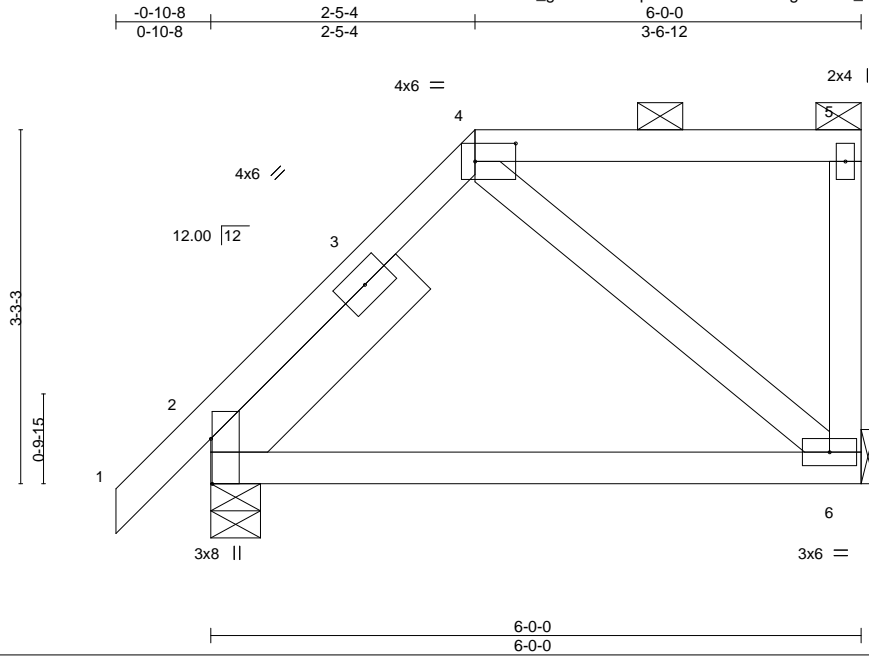


Job 1641677_130	Truss J06	Truss Type Half Hip	Qty 6	Ply 1	H&H/Kent/ Job Reference (optional)	135910620
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Builders FirstSource, Sumter, SC - 29153,

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ID:h_gUcblDxiXoqL1mPMfncDza12N-gU5rKfR_4is45auYoMY0eedvAEknmgpAa0DUUPzsrJG



Scale = 1:21.3

Plate Offsets (X,Y)--	[2:0-5-0,Edge], [4:0-4-8,0-2-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.22	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.25	Vert(LL) -0.03 6-9 >999 360		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.06	Vert(CT) -0.06 6-9 >999 240		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	Horz(CT) 0.01 2 n/a n/a		
			Wind(LL) 0.01 6-9 >999 240	Weight: 38 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins: 4-5.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3	
SLIDER Left 2x6 SP No.2 2-6-0	

REACTIONS. (lb/size) 2=291/0-5-8, 6=230/Mechanical
 Max Horz 2=169(LC 12)
 Max Uplift 2=-52(LC 12), 6=-92(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-442/107

- NOTES-** (10)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 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 20.0psf 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) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
 - 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

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Job 1641677_130	Truss J07	Truss Type Half Hip Girder	Qty 6	Ply 1	H&H/Kent/ Job Reference (optional)	135910621
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:10 2019 Page 1
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 4-9-12

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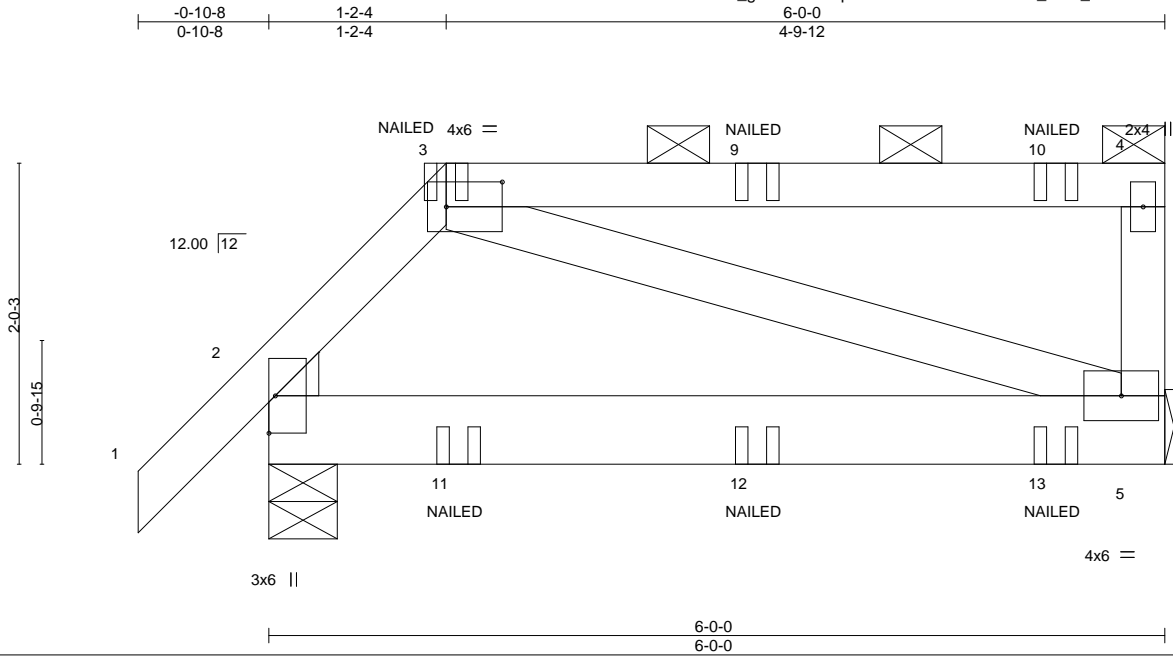


Plate Offsets (X,Y)--	[2:0-0-8,0-2-14], [2:0-0-4,0-0-4], [3:0-4-8,0-2-0]
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LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.50	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.16	Vert(LL) -0.01 5-8 >999 360		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.06	Vert(CT) -0.02 5-8 >999 240		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MP	Horz(CT) 0.00 2 n/a n/a		
			Wind(LL) -0.00 5-8 >999 240	Weight: 35 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	
WEDGE	
Left: 2x4 SP No.2	

REACTIONS. (lb/size) 2=306/0-5-8, 5=261/Mechanical
 Max Horz 2=104(LC 8)
 Max Uplift 2=-103(LC 8), 5=-118(LC 5)

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

- NOTES-** (10)
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Provide adequate drainage to prevent water ponding.
 - 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=103, 5=118.
 - 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 8) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 5-6=-20
Concentrated Loads (lb)
Vert: 3=-2(F) 9=-2(F) 10=-12(F) 11=-8(F) 12=-8(F) 13=-13(F)

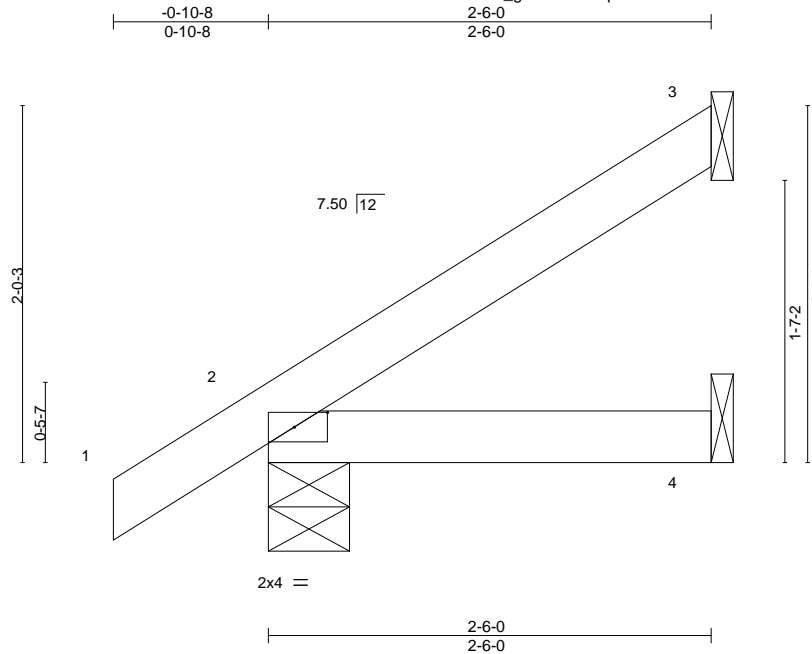


Job 1641677_130	Truss J08	Truss Type Jack-Open	Qty 18	Ply 1	H&H/Kent/ Job Reference (optional)	135910622
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:11 2019 Page 1

ID:h_gUcblDxiXoqL1mPMfncDza12N-ctDbIKTEcK6oKu2xvnaUj3jHo2SxExBI2KibZHsrJE
2-6-0
2-6-0



Scale = 1:13.0

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

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 0.09	Vert(LL)	-0.00	7	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.08	Vert(CT)	-0.00	4-7	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MP	Wind(LL)	-0.00	4-7	>999	Weight: 10 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-

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

REACTIONS. (lb/size) 3=60/Mechanical, 2=159/0-5-8, 4=28/Mechanical
Max Horz 2=104(LC 12)
Max Uplift 3=-58(LC 12), 2=-40(LC 12)
Max Grav 3=70(LC 19), 2=159(LC 1), 4=44(LC 3)

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

NOTES- (6)

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit 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) 3, 2.
- 6) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

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 1641677_130	Truss J09	Truss Type Half Hip	Qty 6	Ply 1	H&H/Kent/ 135910623
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:12 2019 Page 1

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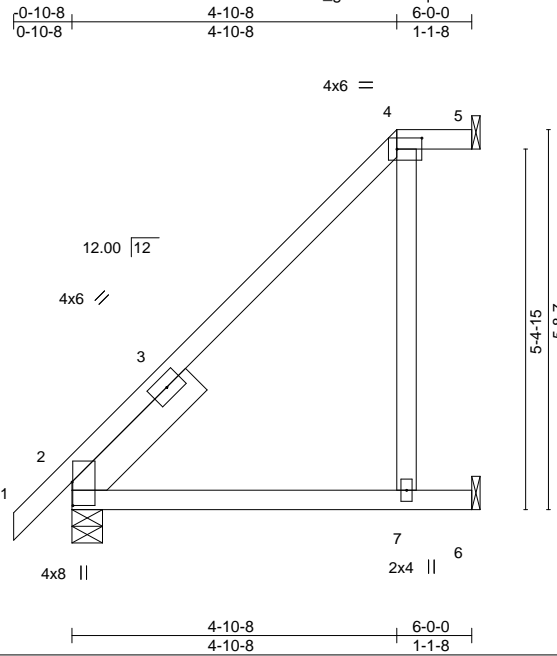


Plate Offsets (X,Y)--	[2:0-4-4,0-0-2], [4:0-4-8,0-2-0]
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LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.60	Vert(LL) 0.21 7-10 >333 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.64	Vert(CT) -0.16 7-10 >444 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.15	Horz(CT) -0.17 5 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MP		Weight: 37 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
BOT CHORD 2x4 SP No.2	2-0-0 oc purlins: 4-5.
WEBS 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
SLIDER Left 2x6 SP No.2 2-6-0	

REACTIONS. (lb/size) 5=32/Mechanical, 2=294/0-5-8, 6=202/Mechanical
 Max Horz 2=296(LC 12)
 Max Uplift 5=-21(LC 8), 6=-178(LC 12)
 Max Grav 5=32(LC 1), 2=294(LC 1), 6=228(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-327/168
 WEBS 4-7=-272/256

- NOTES-** (9)
- 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=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 6=178.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



Job 1641677_130	Truss J10	Truss Type Half Hip	Qty 6	Ply 1	H&H/Kent/ Job Reference (optional)	135910624
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:14 2019 Page 1

ID:h_gUcblDxiXoqL1mPMfncDza12N-1SukNMV7uFUNBLnWbv7BLhKkRFQTRxqvkIx9czsrJB



4x6 = 2x4 ||

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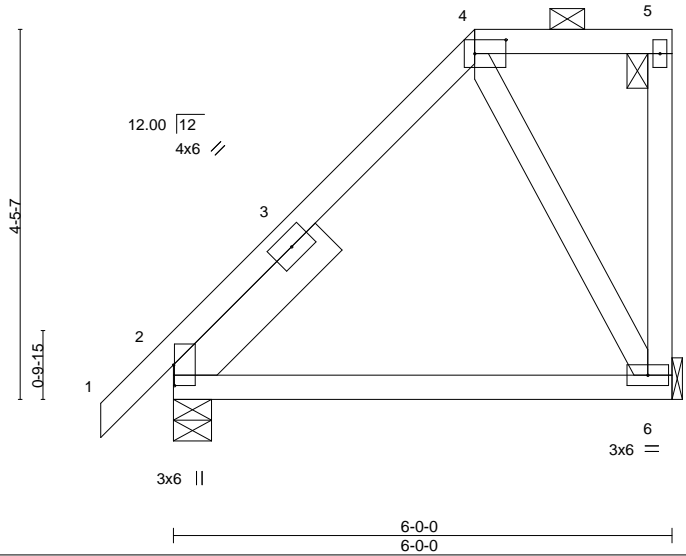


Plate Offsets (X,Y)--	[2:0-3-0,0-0-2], [4:0-4-8,0-2-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.32	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.28	Vert(LL) -0.03 6-9 >999 360		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.08	Vert(CT) -0.07 6-9 >946 240		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	Horz(CT) 0.02 2 n/a n/a		
			Wind(LL) 0.05 6-9 >999 240	Weight: 40 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals, and
BOT CHORD 2x4 SP No.2	2-0-0 oc purlins: 4-5.
WEBS 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied.
SLIDER Left 2x6 SP No.2 2-6-0	

REACTIONS. (lb/size) 2=291/0-5-8, 6=230/Mechanical
 Max Horz 2=231(LC 12)
 Max Uplift 2=-27(LC 12), 6=-116(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-438/102

- NOTES-** (10)
- 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=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (it=lb) 6=116.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

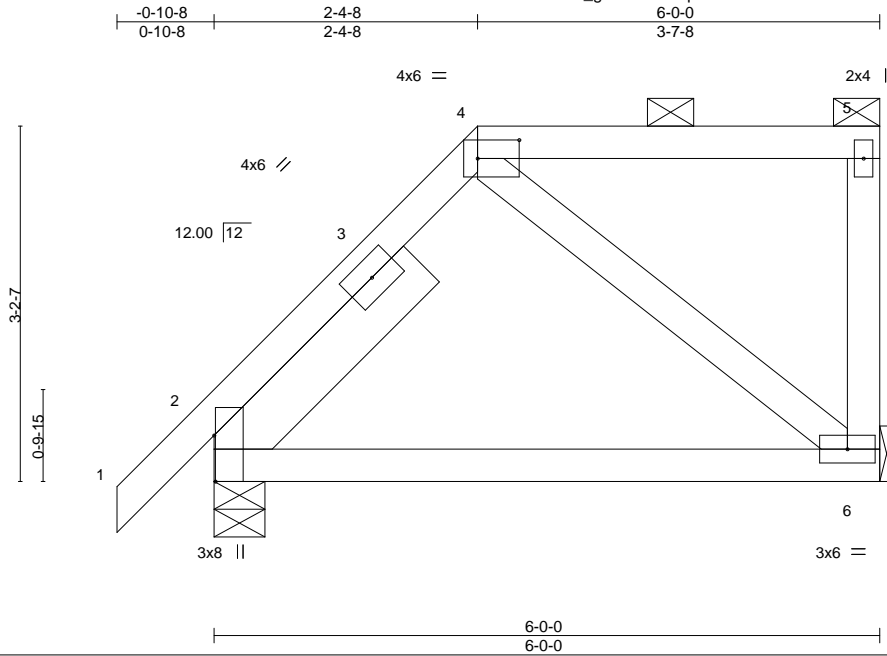
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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.</p>	<p>ENGINEERING BY TRENCO <small>A MiTek Affiliate</small></p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job 1641677_130	Truss J11	Truss Type Half Hip	Qty 3	Ply 1	H&H/Kent/ Job Reference (optional)	135910625
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:15 2019 Page 1

ID:h_gUcblDXiXoqL1mPMfncDza12N-VeS6aiWifYcEpVLI8deQvtvWfnAAOI2zygoi3zsrJA



Scale = 1:20.8

Plate Offsets (X,Y)--	[2:0-5-0,Edge], [4:0-4-8,0-2-0]				
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 0.23	Vert(LL) -0.03 6-9 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.25	Vert(CT) -0.06 6-9 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.06	Horz(CT) 0.01 2 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MP	Wind(LL) 0.01 6-9 >999 240	Weight: 38 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 SLIDER Left 2x6 SP No.2 2-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 4-5.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=291/0-5-8, 6=230/Mechanical
 Max Horz 2=166(LC 12)
 Max Uplift 2=-53(LC 12), 6=-92(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-441/106

NOTES- (8)

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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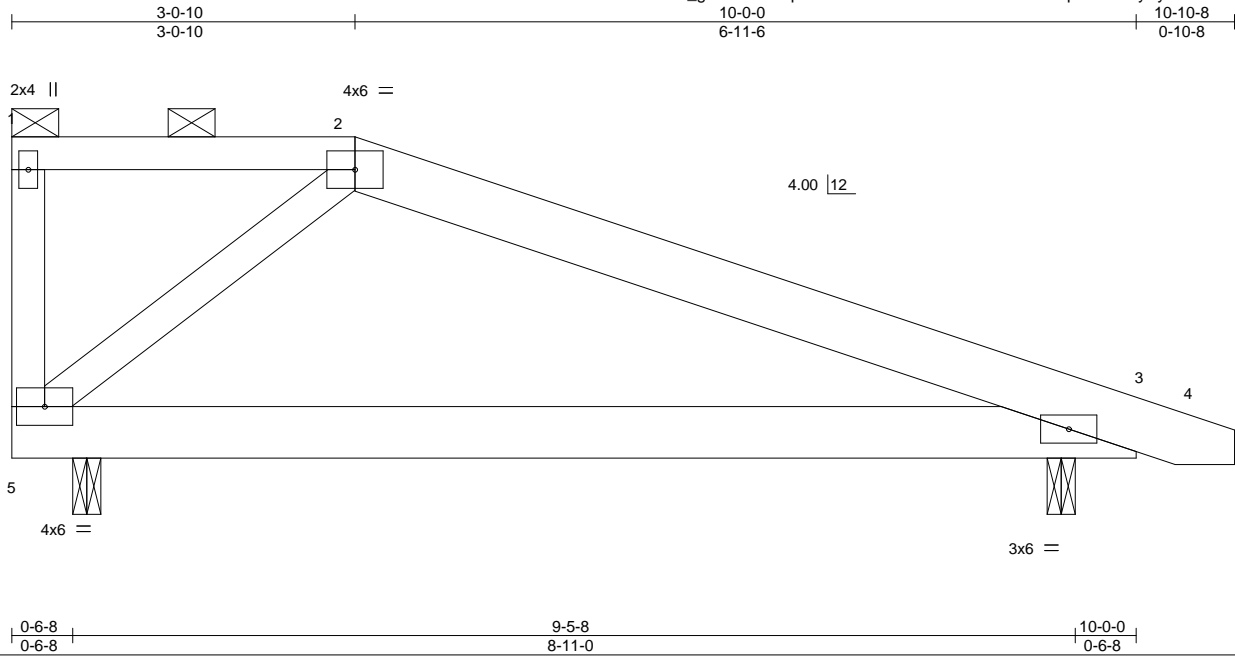


818 Soundside Road
 Edenton, NC 27932

Job 1641677_130	Truss J12	Truss Type ROOF SPECIAL	Qty 2	Ply 1	H&H/Kent/ Job Reference (optional)	135910626
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:17 2019 Page 1
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Scale = 1:20.5

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 0.48	Vert(LL) -0.05 5-10 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.30	Vert(CT) -0.11 5-10 >999 240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.10	Horz(CT) 0.00 3 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-AS	Wind(LL) 0.03 5-10 >999 240	Weight: 56 lb	FT = 20%

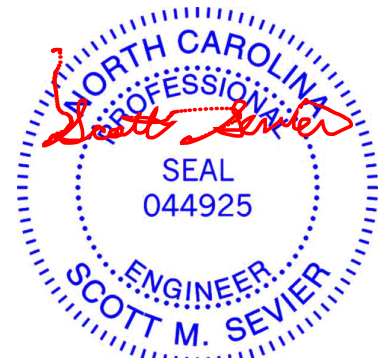
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
2-4: 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-2.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 5=368/0-3-0, 3=457/0-3-0
Max Horz 5=-140(LC 9)
Max Uplift 5=-145(LC 9), 3=-168(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-340/189
BOT CHORD 3-5=-59/286
WEBS 2-5=-326/307

- NOTES-** (8)
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; 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) Provide adequate drainage to prevent water ponding.
 - 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=145, 3=168.
 - 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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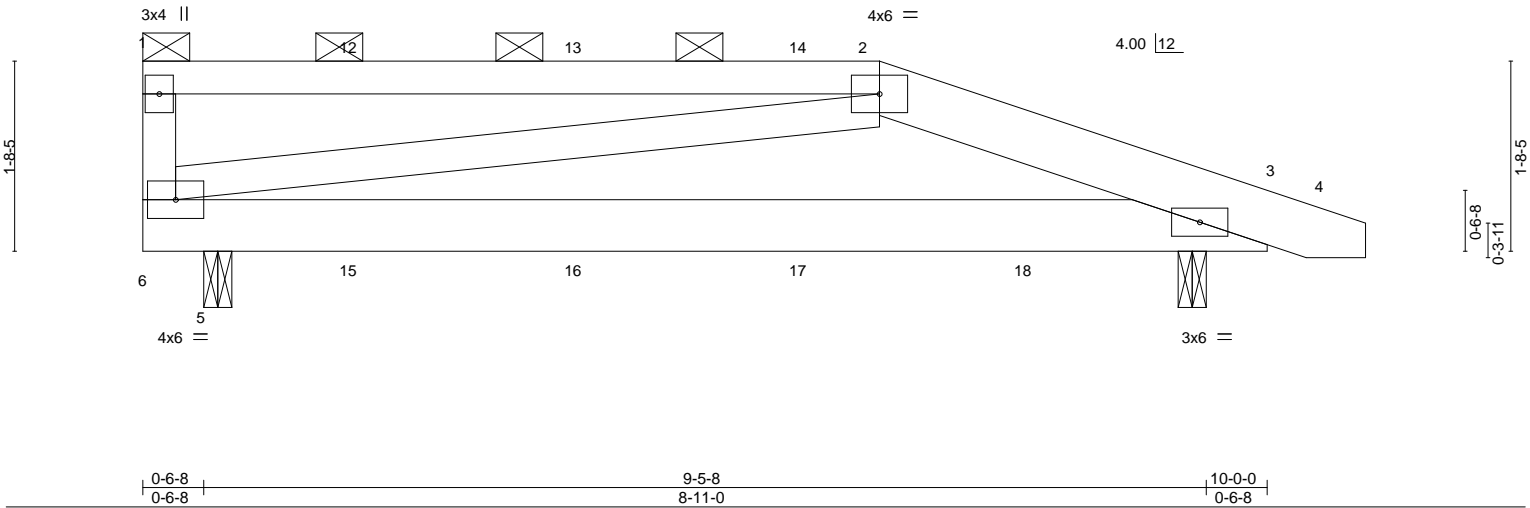
Job	Truss	Truss Type	Qty	Ply	H&H/Kent/	135910627
1641677_130	J13	ROOF SPECIAL GIRDER	2	1		

Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:19 2019 Page 1
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Scale = 1:20.5



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 0.59	Vert(LL)	-0.03 5-11	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.27	Vert(CT)	-0.06 5-11	>999	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.36	Horz(CT)	0.00 3	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS	Wind(LL)	0.04 5-11	>999	240	Weight: 55 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 2-4: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-2.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (lb/size) 5=398/0-3-0, 3=453/0-3-0
 Max Horz 5=-79(LC 6)
 Max Uplift 5=-289(LC 4), 3=-313(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-607/397
 BOT CHORD 5-6=-388/561, 3-5=-322/561
 WEBS 2-6=-473/327

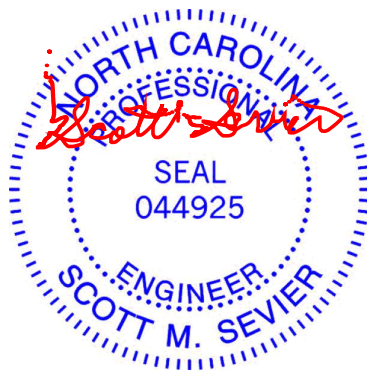
- NOTES-** (9)
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Provide adequate drainage to prevent water ponding.
 - 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=289, 3=313.
 - 6) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 46 lb down and 32 lb up at 0-1-12, 67 lb down and 26 lb up at 1-11-4, and 67 lb down and 26 lb up at 3-11-4, and 67 lb down and 26 lb up at 5-11-4 on top chord, and 8 lb down and 22 lb up at 0-1-12, 3 lb down and 22 lb up at 1-11-4, 3 lb down and 22 lb up at 3-11-4, and 3 lb down and 22 lb up at 5-11-4, and 20 lb down and 42 lb up at 7-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

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

Uniform Loads (plf)
 Vert: 1-2=-60, 2-4=-60, 6-7=-20

Concentrated Loads (lb)
 Vert: 6=-2(F) 1=-1(F) 15=-1(F) 16=-1(F) 17=-1(F) 18=-20(F)



January 23, 2019

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.

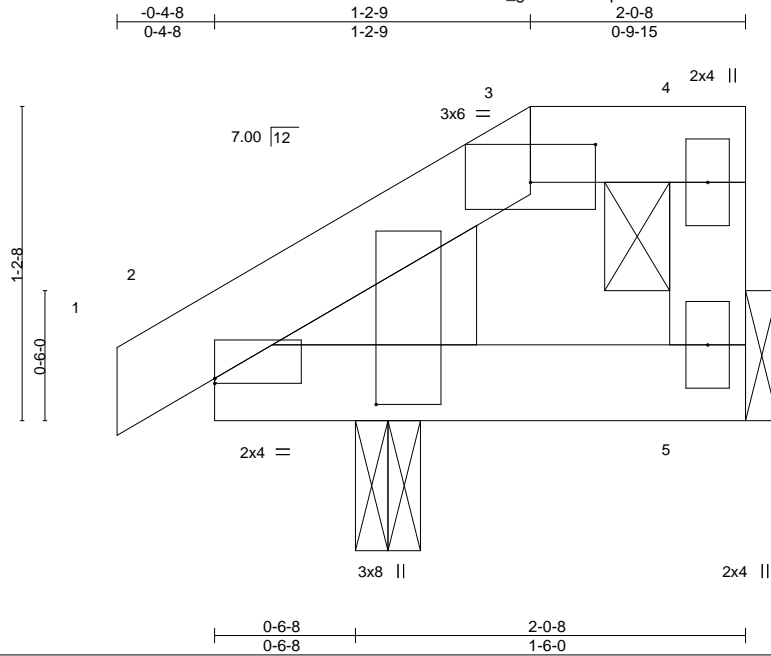


818 Soundside Road
 Edenton, NC 27932

Job 1641677_130	Truss J14	Truss Type HALF HIP	Qty 2	Ply 1	H&H/Kent/ Job Reference (optional)	135910628
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:19 2019 Page 1
ID:h_gUcblDxiXoqL1mPMfncDza12N-NQidQ3ZFjn6fH7fTNSjM2l2fdGCb6DHeuZe0rqzsrJ6



Scale = 1:8.9

Plate Offsets (X,Y)--	[2:0-1-3,0-7-7], [2:0-0-0,0-0-4], [3:0-3-0,0-1-12]
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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 0.03	Vert(LL) -0.00 6 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.00 6 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR	Horz(CT) -0.00 2 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.00 10 >999 240	Weight: 10 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-0-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
WEDGE	
Left: 2x6 SP No.2	

REACTIONS. (lb/size) 5=33/Mechanical, 2=141/0-3-0
 Max Horz 2=48(LC 12)
 Max Uplift 5=-26(LC 8), 2=-36(LC 12)
 Max Grav 5=39(LC 24), 2=141(LC 1)

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

- NOTES-** (9)
- 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=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 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 20.0psf 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) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 23, 2019

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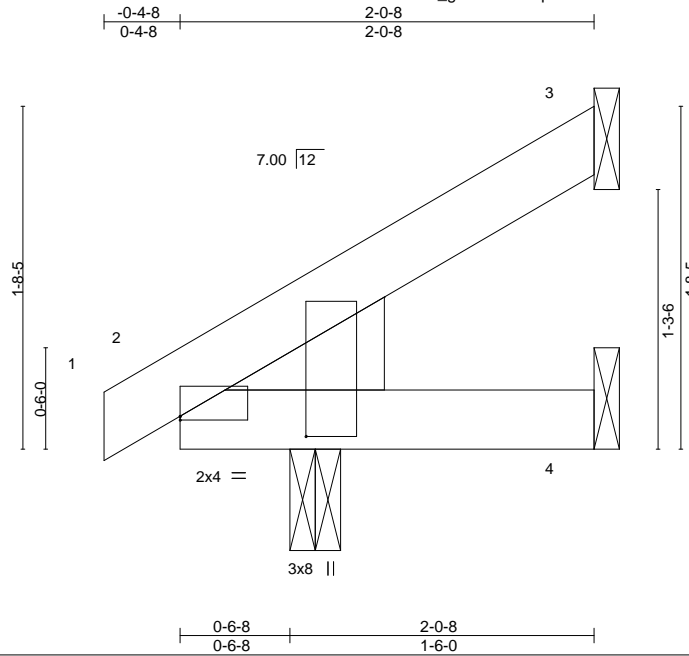
818 Soundside Road
 Edenton, NC 27932

Job 1641677_130	Truss J15	Truss Type JACK-OPEN	Qty 8	Ply 1	H&H/Kent/ 135910629
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Builders FirstSource, Sumter, SC - 29153,

8.220 s Nov 16 2018 MiTek Industries, Inc. Tue Jan 22 09:35:21 2019 Page 1

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Scale = 1:11.4

Plate Offsets (X,Y)--	[2:0-0-0,0-0-4], [2:0-1-3,0-7-7]				
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 9 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.03	Vert(CT) -0.00 9 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.00 3 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MP		Weight: 9 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-0-8 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=26/Mechanical, 4=11/Mechanical, 2=143/0-3-0
 Max Horz 2=70(LC 12)
 Max Uplift 3=-35(LC 12), 4=-15(LC 9), 2=-29(LC 9)
 Max Grav 3=32(LC 19), 4=21(LC 3), 2=143(LC 1)

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

NOTES- (6)

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCdL=6.0psf; BCdL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4, 2.
- This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



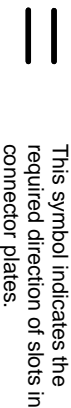
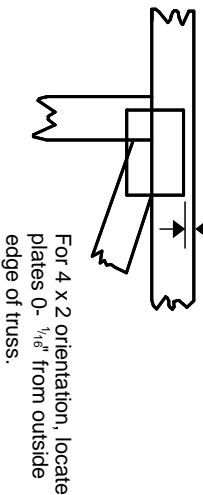
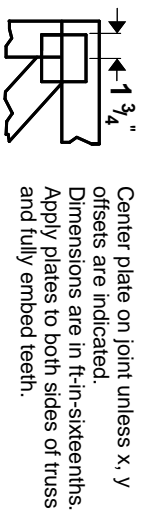
January 23, 2019

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 Edenton, NC 27932

Symbols

PLATE LOCATION AND ORIENTATION



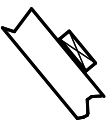
* Plate location details available in **MITrak 20/20 software or upon request.**

PLATE SIZE

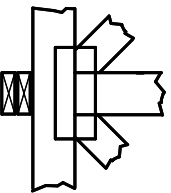
4 X 4

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

LATERAL BRACING LOCATION



BEARING

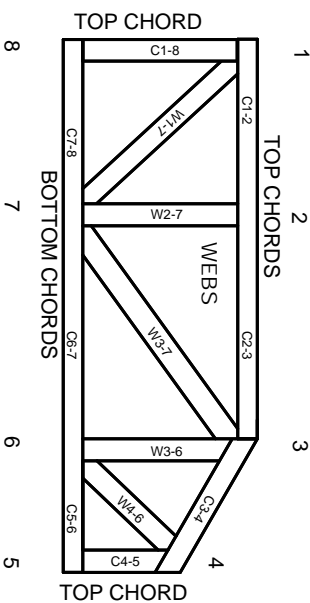


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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