

Trenco

818 Soundside Rd
Edenton, NC 27932

Re: GUYV1108-1
Concrete Supply Office

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Peak Truss Builders, LLC.

Pages or sheets covered by this seal: E12515675 thru E12515695

My license renewal date for the state of North Carolina is December 31, 2018.

North Carolina COA: C-0844



December 14, 2018

Gilbert, Eric

IMPORTANT NOTE: Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.

Job GUYV1108-1	Truss H1	Truss Type Diagonal Hip Girder	Qty 4	Ply 1	Concrete Supply Office	E12515675
-------------------	-------------	-----------------------------------	----------	----------	------------------------	-----------

Peak Truss Builders, LLC, New Hill, NC - 27562.

8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:19:50 2018 Page 1
ID: 8mAFsAZ727mQ6cNii2k374yLi6i-9wt3dY1jj5sQvziVqZtdA6LrSIO_yw_pv0BKy9MON

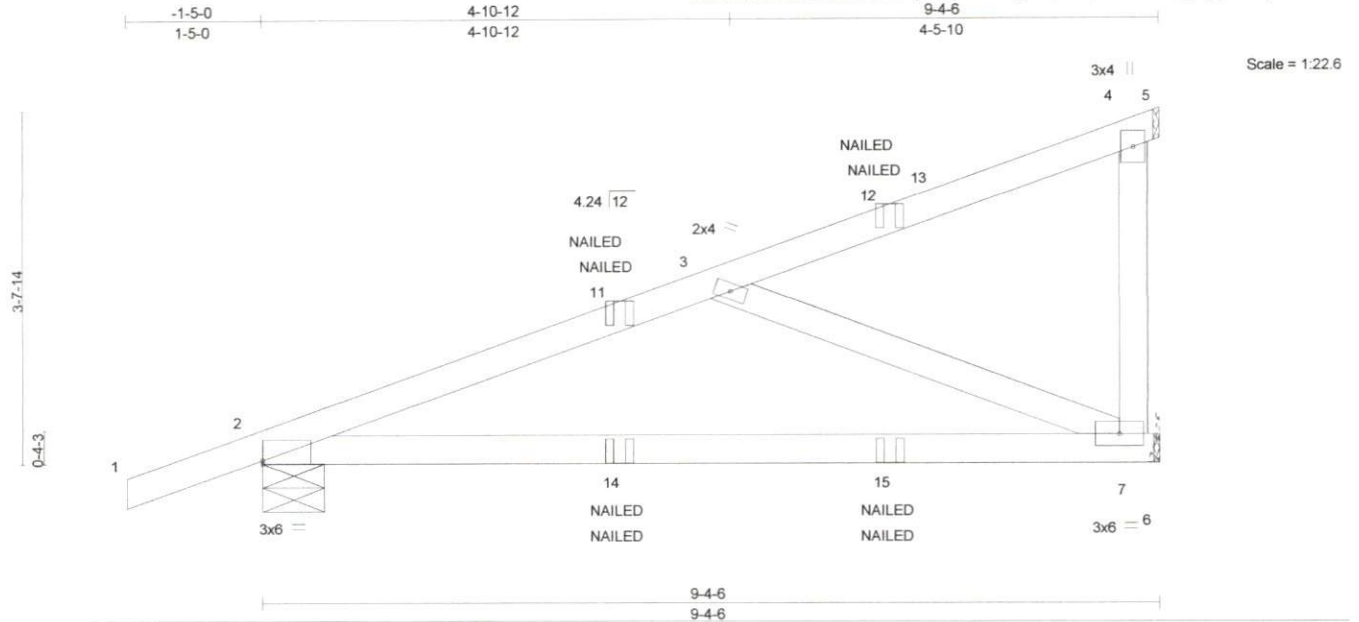


Plate Offsets (X,Y)-- [2:0-0-1,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL	1.15	TC 0.84	Vert(LL)	-0.15 7-10	>746	240	MT20	244/190
Snow (Pf/Pg) 7.7/10.0	Lumber DOL	1.15	BC 0.57	Vert(TL)	-0.39 7-10	>279	180		
TCDL 10.0	Rep Stress Incr	NO	WB 0.25	Horz(TL)	0.01 7	n/a	n/a		
BCLL 0.0 *	Code IBC2009/TPI2007		Matrix-MS					Weight: 42 lb	FT = 20%
BCDL 10.0									

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

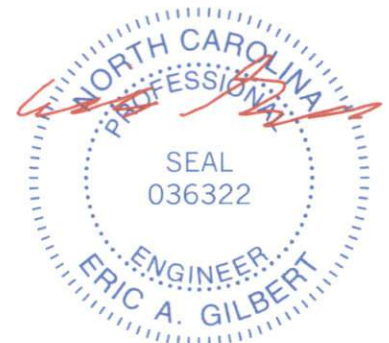
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-8-13 oc bracing.

REACTIONS. (lb/size) 2=335/0-7-12, 7=334/Mechanical
 Max Horz 2=290(LC 11)
 Max Uplift 2=-369(LC 12), 7=-310(LC 9)
 Max Grav 2=500(LC 2), 7=469(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-641/450
 BOT CHORD 2-7=-507/601
 WEBS 3-7=-576/507

- NOTES-**
- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 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.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 369 lb uplift at joint 2 and 310 lb uplift at joint 7.
 - 10) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-35, 4-5=-35, 6-8=-20
 Concentrated Loads (lb)
 Vert: 12=-49(F=-24, B=24) 14=-5(F=-3, B=-3) 15=-46(F=-23, B=-23)



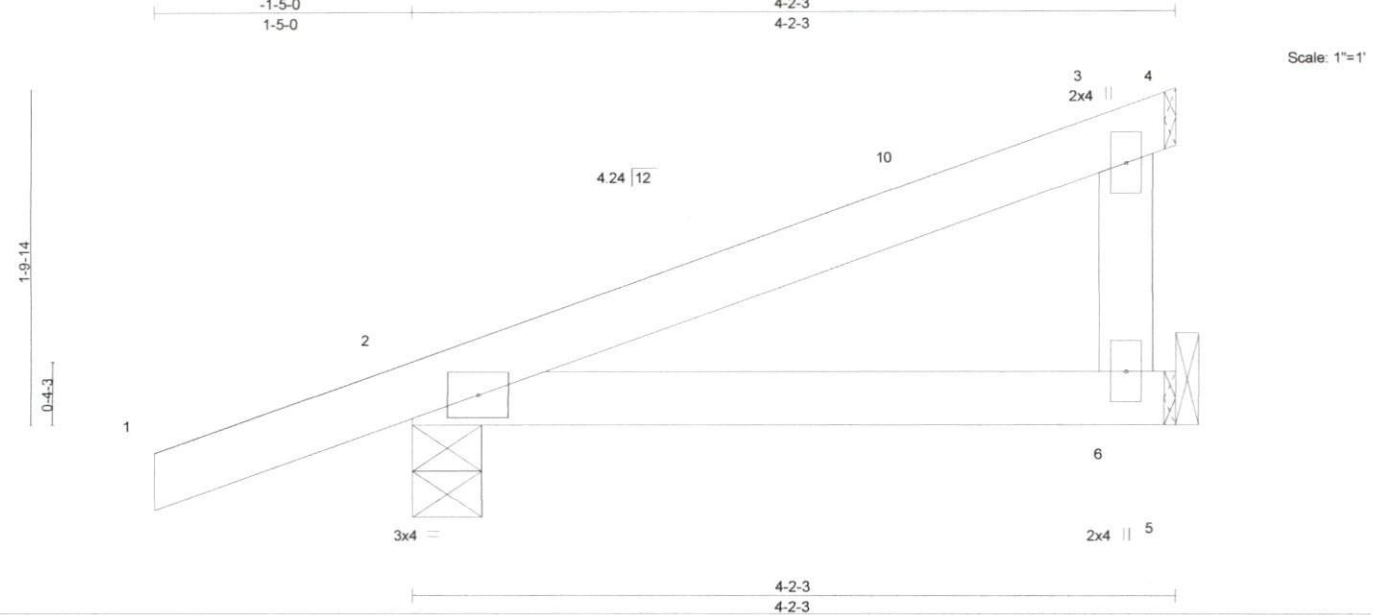
December 14, 2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-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 ANS/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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

Job	Truss	Truss Type	Qty	Ply	Concrete Supply Office	E12515676
GUYV1108-1	H2	Diagonal Hip Girder	2	1		

Peak Truss Builders, LLC, New Hill, NC - 27562, 8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:19:51 2018 Page 1
 ID: 8mAFsAZ727mQ6cNII2k374yLI6i-e6RRr5ZFU1Dj22Yu3Y5_PqjOgFu_7U73DTeajny9MOM



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL	1.15	TC 0.36	Vert(LL)	0.02	6-9	>999	MT20	244/190
Snow (Pf/Pg) 7.7/10.0	Lumber DOL	1.15	BC 0.19	Vert(TL)	-0.02	6-9	>999		
TCDL 10.0	Rep Stress Incr	NO	WB 0.00	Horz(TL)	0.00	2	n/a		
BCLL 0.0	Code IBC2009/TPI2007		Matrix-MP						
BCDL 10.0								Weight: 17 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-2-3 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=115/Mechanical, 2=167/0-4-9
 Max Horz 2=138(LC 13)
 Max Uplift 6=-75(LC 14), 2=-235(LC 14)
 Max Grav 6=152(LC 2), 2=256(LC 2)

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

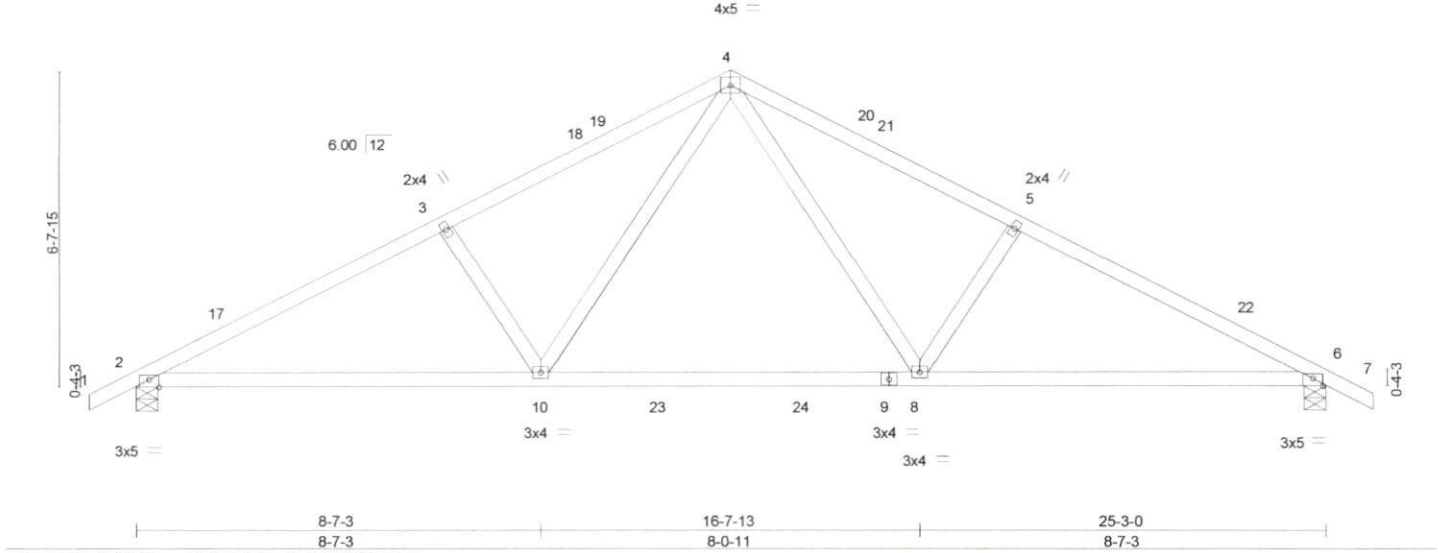
- NOTES-**
- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Corner(3) -1-5-0 to 2-9-15, Exterior(2) 2-9-15 to 4-2-3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 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.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 6 and 235 lb uplift at joint 2.



December 14, 2018

Job GUYV1108-1	Truss T1	Truss Type Common	Qty 4	Ply 1	Concrete Supply Office	E12515677
-------------------	-------------	----------------------	----------	----------	------------------------	-----------

Peak Truss Builders, LLC, New Hill, NC - 27562, 8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:19:52 2018 Page 1
 ID:8mAFsAZ?2727mQ6cNii2k374yLi6i-6J?p2RZHFKLafC64dFcDy2GYbf9sssZDR707FDy9MOL
 1-0-0 6-7-0 12-7-8 18-8-0 25-3-0 26-3-0
 1-0-0 6-7-0 6-0-8 6-0-8 6-7-0 1-0-0
 Scale = 1:46.1



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL 1.15	TC 0.44	Vert(LL) -0.15	8-10	>999	240	MT20	244/190
Snow (Pf/Pg) 7.7/10.0	Lumber DOL 1.15	BC 0.47	Vert(TL) -0.31	8-10	>992	180		
TCDL 10.0	Rep Stress Incr YES	WB 0.37	Horz(TL) 0.05	6	n/a	n/a		
BCLL 0.0	Code IBC2009/TPI2007	Matrix-MS						
BCDL 10.0							Weight: 116 lb	FT = 20%

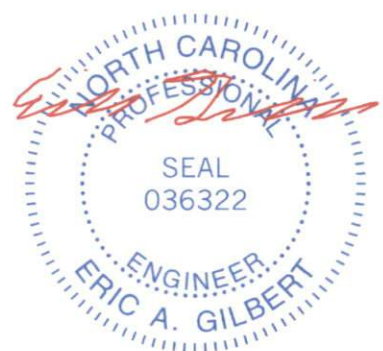
LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-8-11 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-0-12 oc bracing.

REACTIONS. (lb/size) 2=735/0-5-8, 6=735/0-5-8
 Max Horz 2=267(LC 13)
 Max Uplift 2=-651(LC 14), 6=-651(LC 14)
 Max Grav 2=1070(LC 2), 6=1070(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1684/1068, 3-4=-1488/1057, 4-5=-1488/1057, 5-6=-1684/1068
 BOT CHORD 2-10=-756/1438, 8-10=-364/961, 6-8=-790/1438
 WEBS 4-8=-340/555, 5-8=-360/455, 4-10=-340/555, 3-10=-360/455

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 12-7-8, Exterior(2) 12-7-8 to 15-7-8, Interior(1) 15-7-8 to 26-3-0 zone; cantilever left and right exposed ; 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
 - TCLL: ASCE 7-05; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
 - This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 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 651 lb uplift at joint 2 and 651 lb uplift at joint 6.



December 14, 2018

Job GUYV1108-1	Truss T1A	Truss Type Common	Qty 1	Ply 1	Concrete Supply Office	E12515678
-------------------	--------------	----------------------	----------	----------	------------------------	-----------

Peak Truss Builders, LLC, New Hill, NC - 27562, 8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:19:52 2018 Page 1
 ID 8mAFsAZ?27mQ6cNil2k374yL6i-6J?p2RZHFKLafC64dFcDy2GY5f9qssXDR7O7FDy9MOL 25-3-0
 -1-0-0 6-7-0 12-7-8 18-8-0 6-0-8 6-0-8 6-7-0
 1-0-0 6-7-0 6-0-8 6-0-8 6-7-0
 4x5 = 4x5 = 4x5 = 4x5 = 4x5 =
 Scale = 1.45.4

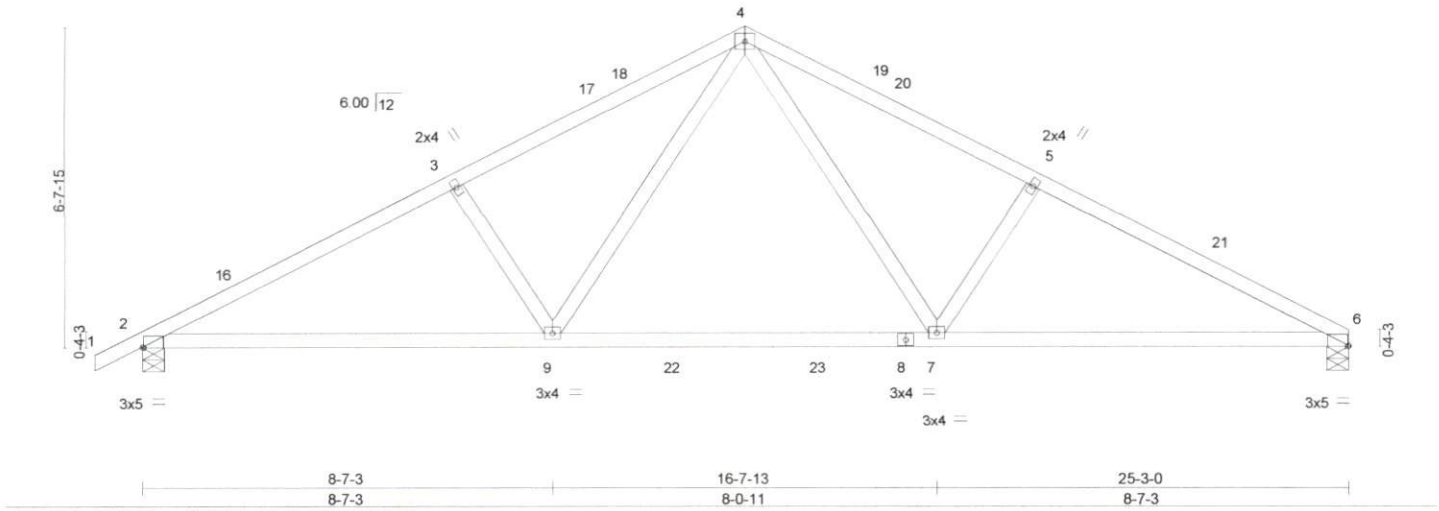


Plate Offsets (X,Y)- [2:0-0-4,Edge], [6:0-0-4,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.44	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 7.7/10.0	Plate Grip DOL 1.15	BC 0.47	Vert(LL) -0.15 7-9 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.37	Vert(TL) -0.30 7-9 >995 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.05 6 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 114 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-7-6 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-11-0 oc bracing.

REACTIONS. (lb/size) 6=699/0-5-8, 2=735/0-5-8
 Max Horz 2=265(LC 13)
 Max Uplift 6=559(LC 14), 2=651(LC 14)
 Max Grav 6=1010(LC 2), 2=1070(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1685/1068, 3-4=-1489/1057, 4-5=-1491/1074, 5-6=-1687/1086
 BOT CHORD 2-9=-824/1439, 7-9=-398/962, 6-7=-820/1442
 WEBS 4-7=-341/558, 5-7=-361/456, 4-9=-339/555, 3-9=-360/456

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 12-7-8, Exterior(2) 12-7-8 to 15-7-8, Interior(1) 15-7-8 to 25-3-0 zone; cantilever left and right exposed; 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
 - TCLL: ASCE 7-05; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
 - This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 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 559 lb uplift at joint 6 and 651 lb uplift at joint 2.



December 14, 2018

Job GUYV1108-1	Truss T1B	Truss Type Hip	Qty 1	Ply 1	Concrete Supply Office	E12515679
-------------------	--------------	-------------------	----------	----------	------------------------	-----------

Peak Truss Builders, LLC, New Hill, NC - 27562, 8.220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:19:53 2018 Page 1
 ID: 8mAFsAZ?27mQ6cNii2k374yL6i-aVYCGnawOeTRHMhHBz7SUFoji3RmbKRMgn7gofy9MOK 26-3-0
 1-0-0 5-7-4 10-8-0 14-7-0 19-7-12 25-3-0 26-3-0
 1-0-0 5-7-4 5-0-12 3-11-0 5-0-12 5-7-4 1-0-0
 Scale = 1:45.1

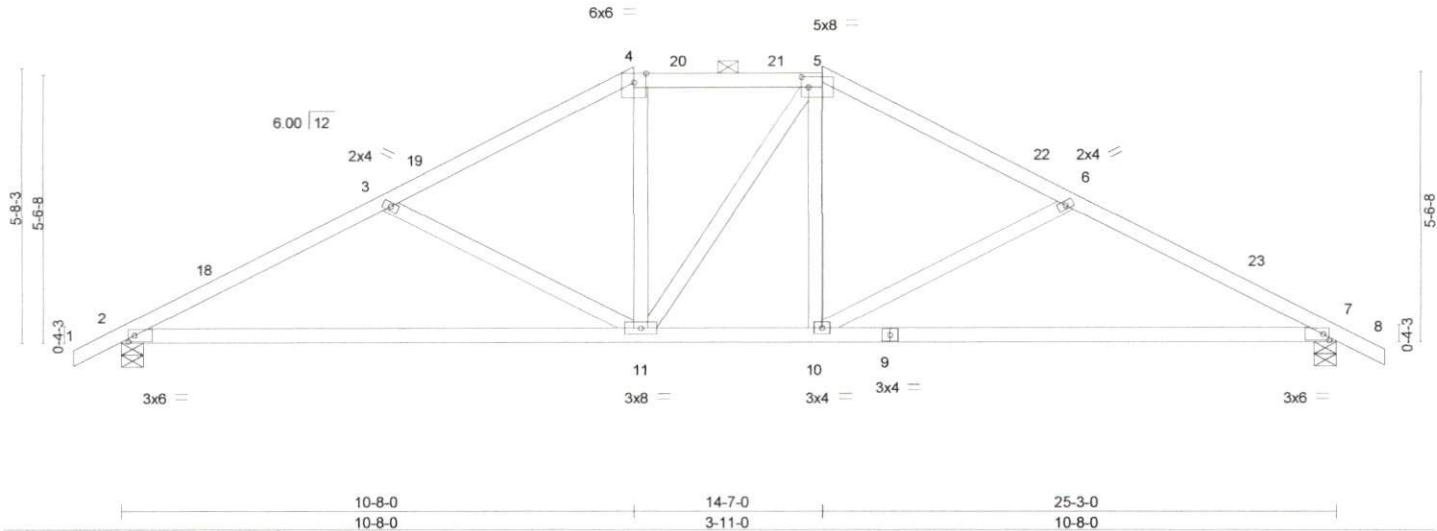


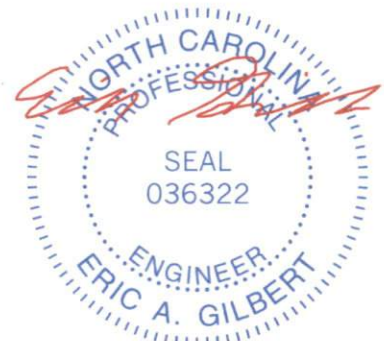
Plate Offsets (X,Y) - [2:0-1-8,0-1-8], [5:0-1-12,0-2-8], [7:0-1-8,0-1-8]							
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP		
TCLL (roof) 20.0	2-0-0	TC 0.39	in (loc) l/defl L/d	MT20	244/190		
Snow (Pf/Pg) 12.7/10.0	Plate Grip DOL 1.15	BC 0.70	Vert(LL) -0.20 10-17 >999 240				
TCDL 10.0	Lumber DOL 1.15	WB 0.27	Vert(TL) -0.54 10-17 >563 180				
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.06 7 n/a n/a				
BCDL 10.0	Code IBC2009/TPI2007					Weight: 123 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 4-9-0 oc purlins, except
BOT CHORD 2x4 SP No.1	2-0-0 oc purlins (5-9-8 max.): 4-5.
WEBS 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 6-0-15 oc bracing.

REACTIONS. (lb/size) 2=754/0-5-8, 7=754/0-5-8
 Max Horz 2=-226(LC 12)
 Max Uplift 2=651(LC 14), 7=651(LC 14)
 Max Grav 2=1070(LC 2), 7=1070(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1679/1309, 3-4=-1338/1040, 4-5=-1144/1039, 5-6=-1338/1040, 6-7=-1679/1308
 BOT CHORD 2-11=-1015/1448, 10-11=-596/1143, 7-10=-1034/1448
 WEBS 3-11=-384/497, 4-11=-170/327, 5-10=-145/327, 6-10=-384/496

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 10-8-0, Exterior(2) 10-8-0 to 18-9-15, Interior(1) 18-9-15 to 26-3-0 zone; cantilever left and right exposed; 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
 - 3) TCLL: ASCE 7-05; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=12.7 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
 - 6) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 7) Provide adequate drainage to prevent water ponding.
 - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 9) * 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.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 651 lb uplift at joint 2 and 651 lb uplift at joint 7.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 14, 2018

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 ANSITPH1 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	Concrete Supply Office	E12515681
GUYV1108-1	T1D	Hip	1	1		

Peak Truss Builders, LLC, New Hill, NC - 27562, 8.220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:19:55 2018 Page 1
 ID:8mAFsAZ?27mQ6cNl2k374yLi6i-VWuyhTcAYFj9WgrfIO9wagu_qsBT3H8f75cnsYy9M0I
 -1-0-0 8-8-0 16-7-0 25-3-0 26-3-0
 1-0-0 8-8-0 7-11-0 8-8-0 1-0-0
 Scale = 1:45.1

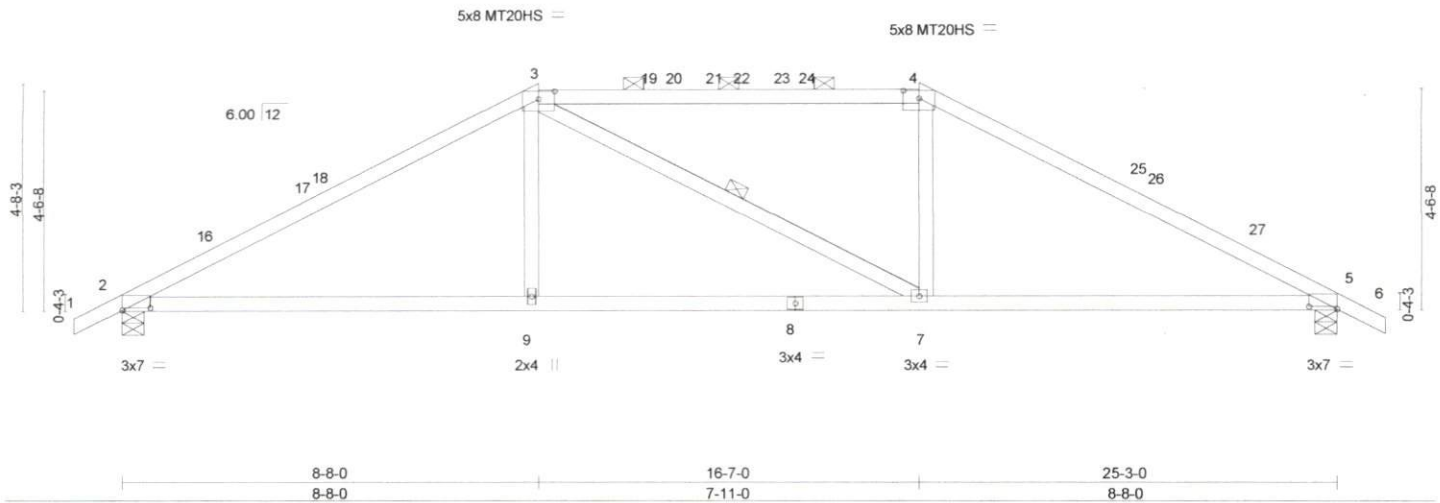


Plate Offsets (X,Y)- [2:0-7-0,0-0-10], [3:0-4-0,0-1-15], [4:0-4-0,0-1-15], [5:0-7-0,0-0-10]

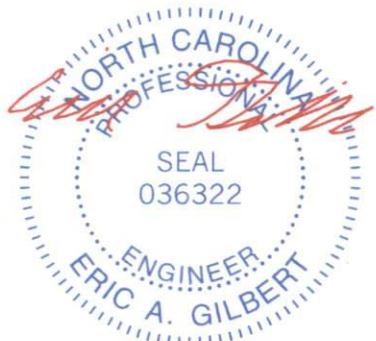
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.73	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 12.7/10.0	Plate Grip DOL 1.15	BC 0.47	Vert(LL) 0.11 7-15 >999 240	MT20HS	187/143
TCDL 10.0	Lumber DOL 1.15	WB 0.13	Vert(TL) -0.22 7-9 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.05 5 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 107 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 *Except* 3-4: 2x4 SP DSS	TOP CHORD Structural wood sheathing directly applied or 3-10-3 oc purlins, except
BOT CHORD 2x4 SP No.1	2-0-0 oc purlins (5-0-15 max.): 3-4.
WEBS 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 7-3-8 oc bracing.
	WEBS 1 Row at midpt 3-7

REACTIONS. (lb/size) 2=774/0-5-8, 5=774/0-5-8
 Max Horz 2=186(LC 13)
 Max Uplift 2=651(LC 14), 5=651(LC 14)
 Max Grav 2=1070(LC 2), 5=1070(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=1557/1034, 3-4=1289/1079, 4-5=1557/1034
 BOT CHORD 2-9=681/1294, 7-9=684/1288, 5-7=699/1295
 WEBS 3-9=0/331, 4-7=0/332

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 8-8-0, Exterior(2) 8-8-0 to 12-10-15, Interior(1) 12-10-15 to 16-7-0, Exterior(2) 16-7-0 to 20-9-15, Interior(1) 20-9-15 to 26-3-0 zone; cantilever left and right exposed; 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
 - 3) TCLL: ASCE 7-05; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=12.7 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
 - 6) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 7) Provide adequate drainage to prevent water ponding.
 - 8) All plates are MT20 plates unless otherwise indicated.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 10) * 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.
 - 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 651 lb uplift at joint 2 and 651 lb uplift at joint 5.
 - 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 14, 2018

Job GUYV1108-1	Truss T1E	Truss Type Hip	Qty 1	Ply 1	Concrete Supply Office 8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:19:56 2018 Page 1	E12515682
Peak Truss Builders, LLC, New Hill, NC - 27562,					ID: 8mAFsAZ727mQGcNl2k374yLi6i-_4EKuocozr78qQrs5g96uQ9ZGWgojOoMIMLO_y9MOH	

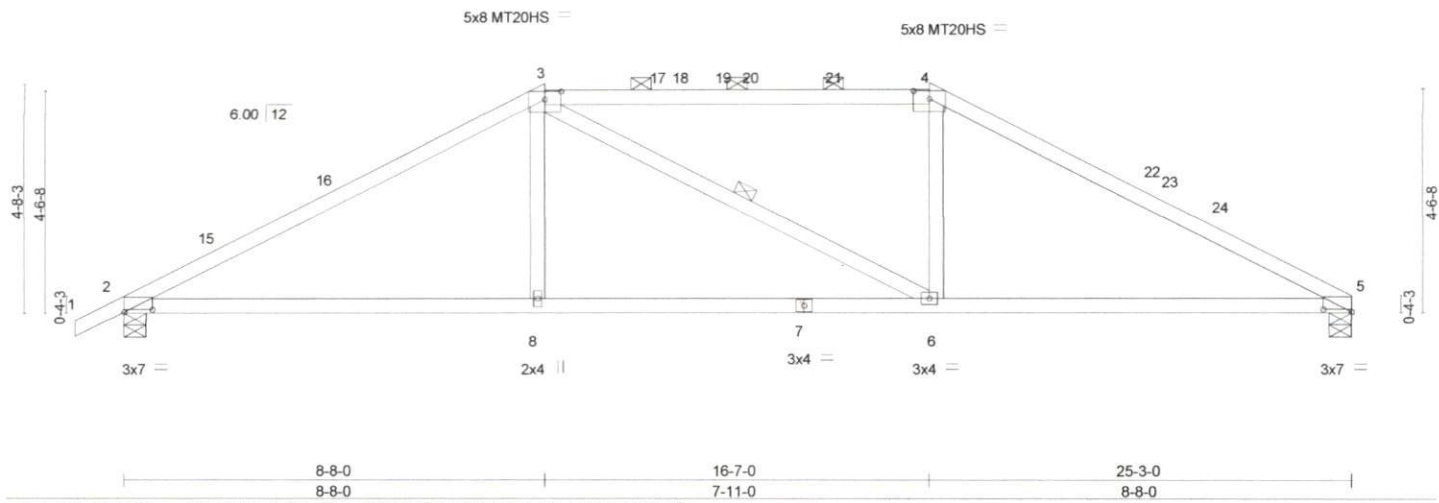
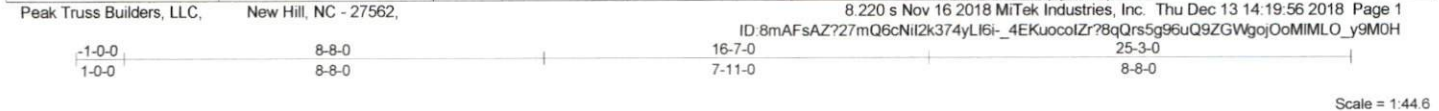


Plate Offsets (X,Y) - [2:0-7-0,0-0-10], [3:0-4-0,0-1-15], [4:0-4-0,0-1-15], [5:0-7-0,0-0-10]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.73	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 12.7/10.0	Plate Grip DOL 1.15	BC 0.47	Vert(LL) 0.11 6-11 >999 240	MT20HS	187/143
TCDL 10.0	Lumber DOL 1.15	WB 0.13	Vert(TL) -0.22 6-8 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.05 5 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 105 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 *Except* 3-4: 2x4 SP DSS	TOP CHORD Structural wood sheathing directly applied or 3-9-10 oc purlins, except 2-0-0 oc purlins (5-0-15 max.): 3-4.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 7-0-10 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 3-6

REACTIONS. (lb/size) 5=739/0-5-8, 2=775/0-5-8
 Max Horz 2=185(LC 13)
 Max Uplift 5=559(LC 14), 2=651(LC 14)
 Max Grav 5=1009(LC 2), 2=1071(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1558/1039, 3-4=-1291/1081, 4-5=-1560/1036
 BOT CHORD 2-8=-749/1295, 6-8=-752/1289, 5-6=-729/1297
 WEBS 3-8=0/331, 4-6=0/332

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 8-8-0, Exterior(2) 8-8-0 to 12-10-15, Interior(1) 12-10-15 to 16-7-0, Exterior(2) 16-7-0 to 20-9-15, Interior(1) 20-9-15 to 25-3-0 zone; cantilever left and right exposed; 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
 - TCLL: ASCE 7-05; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=12.7 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
 - This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 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 559 lb uplift at joint 5 and 651 lb uplift at joint 2.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 14, 2018

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 ANSITPI 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 GUYV1108-1	Truss T1FGRD	Truss Type Hip Girder	Qty 1	Ply 1	Concrete Supply Office	E12515683
-------------------	-----------------	--------------------------	----------	----------	------------------------	-----------

Peak Truss Builders, LLC, New Hill, NC - 27562,

8.220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:19:59 2018 Page 1

ID: 8mAFsAZ?27mQ6cNii2k374yLI6i-PfwTWqfthbUEa?H9QXDEskW2cXTTC?y0E2ja??Jy9M0E



Scale = 1:44.6

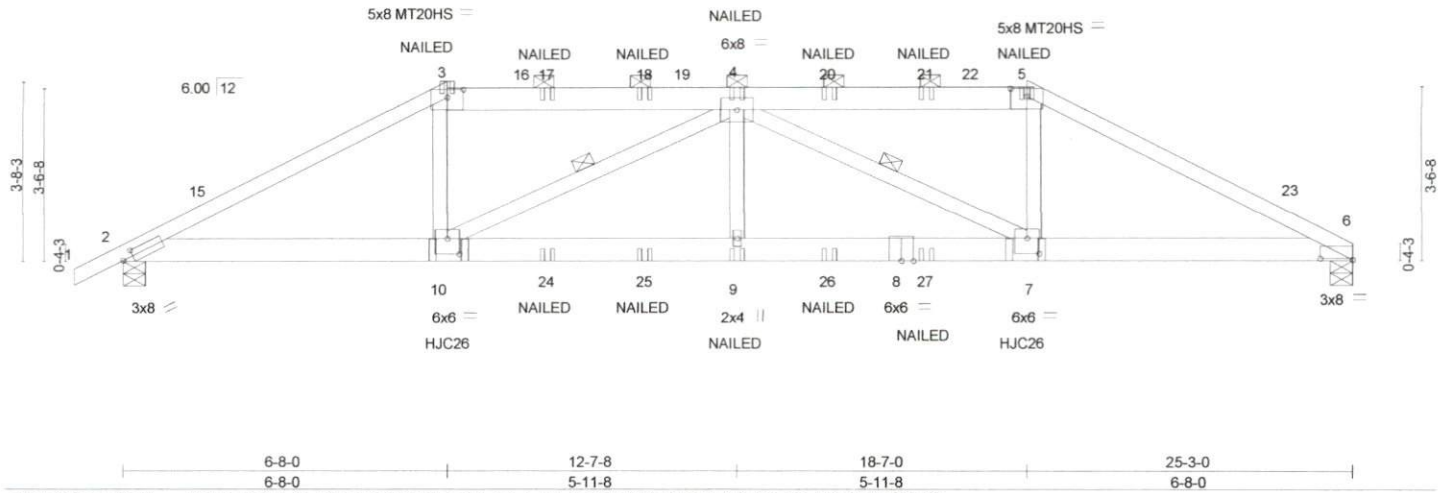


Plate Offsets (X,Y)- [2:0-2-10,0-1-8], [3:0-4-0,0-1-15], [5:0-4-0,0-1-15], [6:0-8-0,0-0-5], [7:0-3-0,0-3-12], [10:0-3-0,0-3-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 1.00	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 12.7/10.0	Plate Grip DOL 1.15	BC 0.80	Vert(LL) 0.35 9 >868 240	MT20HS	187/143
TCDL 10.0	Lumber DOL 1.15	WB 0.58	Vert(TL) -0.44 9 >683 180		
BCLL 0.0	Rep Stress Incr NO	Matrix-MS	Horz(TL) 0.13 6 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 143 lb	FT = 20%

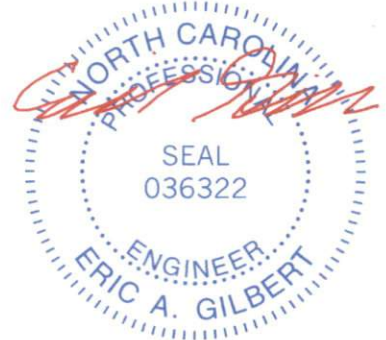
LUMBER-	BRACING-
TOP CHORD 2x4 SP DSS *Except*	TOP CHORD Structural wood sheathing directly applied, except
3-5: 2x6 SP No.2, 5-6: 2x4 SP No.1	2-0-0 oc purlins (3-3-1 max.): 3-5.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 4-3-3 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 4-10, 4-7

REACTIONS. (lb/size) 6=1506/0-5-8, 2=1542/0-5-8
Max Horz 2=145(LC 39)
Max Uplift 6=1414(LC 12), 2=1509(LC 12)
Max Grav 6=2078(LC 2), 2=2141(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4342/2990, 3-4=-3782/2733, 4-5=-3784/2743, 5-6=-4346/3002
BOT CHORD 2-10=-2547/3837, 9-10=-3386/4984, 7-9=-3386/4984, 6-7=-2557/3840
WEBS 3-10=-803/1404, 4-10=-1458/1026, 4-9=0/488, 4-7=-1459/1017, 5-7=-809/1408

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-05; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=12.7 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10, Lu=50-0-0 Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 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 1414 lb uplift at joint 6 and 1509 lb uplift at joint 2.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Use USP HJC26 (With 16d nails into Girder & 10d nails into Truss) or equivalent spaced at 11-10-4 oc max. starting at 6-8-6 from the left end to 18-6-10 to connect truss(es) to front face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.
- "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).



December 14, 2018

LOAD CASES Standard

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSIT/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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

Job	Truss	Truss Type	Qty	Ply	Concrete Supply Office	E12515683
GUYV1108-1	T1FGRD	Hip Girder	1	1	Job Reference (optional)	

Peak Truss Builders, LLC, New Hill, NC - 27562,

8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:19:59 2018 Page 2
 ID: 8mAFsAZ?27mQ6cNil2k374yLI6i-PfwTWqfhhbUEa?H9QXDEskW2cXTTC?y0E2ja??Jy9M0E

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-35, 3-5=-45, 5-6=-35, 2-6=-20

Concentrated Loads (lb)

Vert: 3=-72(F) 5=-72(F) 10=-373(F) 9=-54(F) 7=-373(F) 4=-67(F) 17=-67(F) 18=-67(F) 20=-67(F) 21=-67(F) 24=-54(F) 25=-54(F) 26=-54(F) 27=-54(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 GUYV1108-1	Truss T1G	Truss Type Common	Qty 9	Ply 1	Concrete Supply Office	E12515684
-------------------	--------------	----------------------	----------	----------	------------------------	-----------

Peak Truss Builders, LLC, New Hill, NC - 27562,

8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:20:00 2018 Page 1

ID:8mAFsAZ?2727mQ6cNil2k374yLi6i-trTrkAgJMoMRdRkd5xl5GkbrhtvdkSEOHNKYXly9MOD

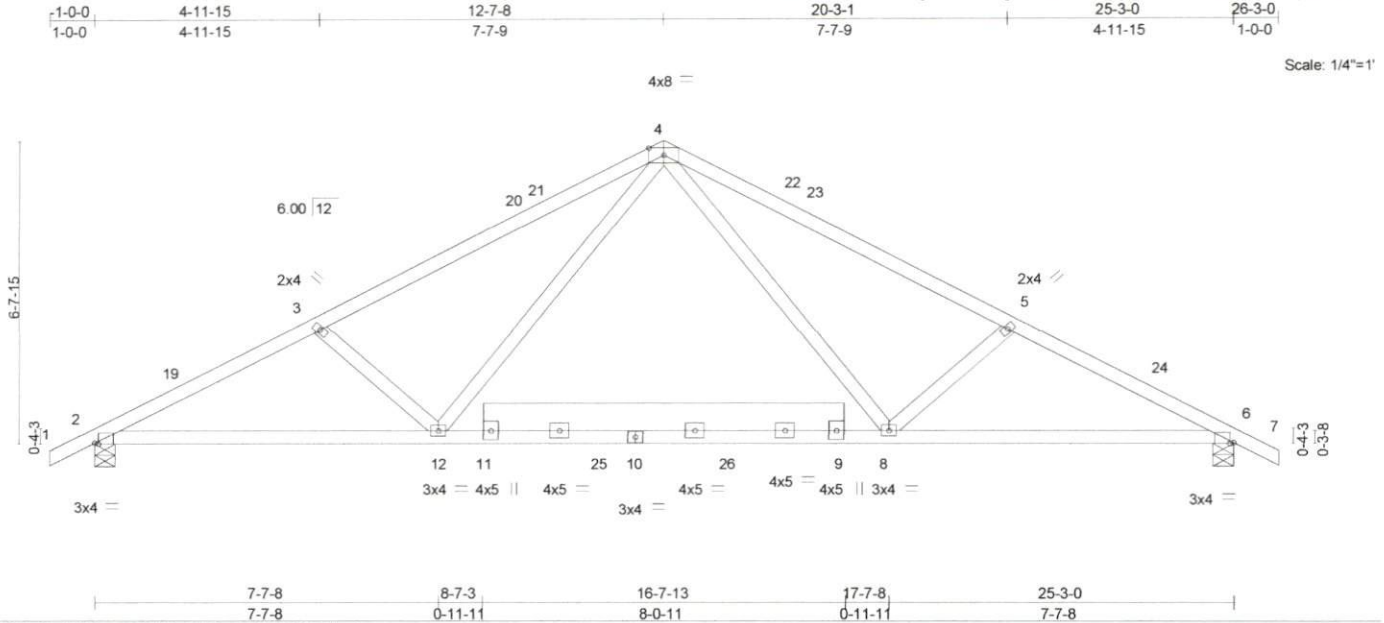


Plate Offsets (X,Y)- [2:0-1-0,Edge], [6:0-1-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.72	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 7.7/10.0	Plate Grip DOL 1.15	BC 0.41	Vert(LL) 0.12 8-12 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.39	Vert(TL) -0.21 8-12 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.05 6 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 142 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1 *Except*
 9-11: 2x8 SP No.2
 WEBS 2x4 SP No.3

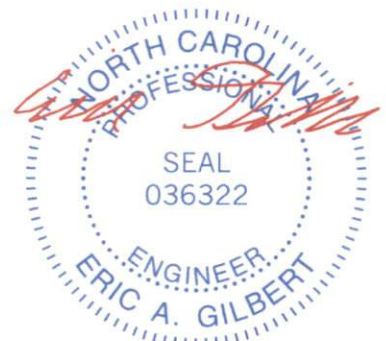
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-3-10 oc bracing.

REACTIONS. (lb/size) 2=735/0-5-8, 6=735/0-5-8
 Max Horz 2=267(LC 13)
 Max Uplift 2=651(LC 14), 6=651(LC 14)
 Max Grav 2=1070(LC 2), 6=1070(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1843/1225, 3-4=-1580/1087, 4-5=-1579/1087, 5-6=-1843/1225
 BOT CHORD 2-12=-957/1616, 8-12=-410/975, 6-8=-992/1616
 WEBS 4-12=-308/570, 3-12=-424/528, 4-8=-308/570, 5-8=-424/528

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 12-7-8, Exterior(2) 12-7-8 to 15-7-8, Interior(1) 15-7-8 to 26-3-0 zone; cantilever left and right exposed ; 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
- TCLL: ASCE 7-05; P=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 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 651 lb uplift at joint 2 and 651 lb uplift at joint 6.



December 14, 2018

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Concrete Supply Office	E12515685
GUYV1108-1	T1GRD	Hip Girder	1	1		

Peak Truss Builders, LLC, New Hill, NC - 27562, 8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:20:01 2018 Page 1
 ID 8mAFsAZ?27mQ6cNl2k374yLi6i-L11DxWgx75UIFbtpfeGKpx72pH9CTsXXW1364Cy9MOC



Scale = 1.45.1

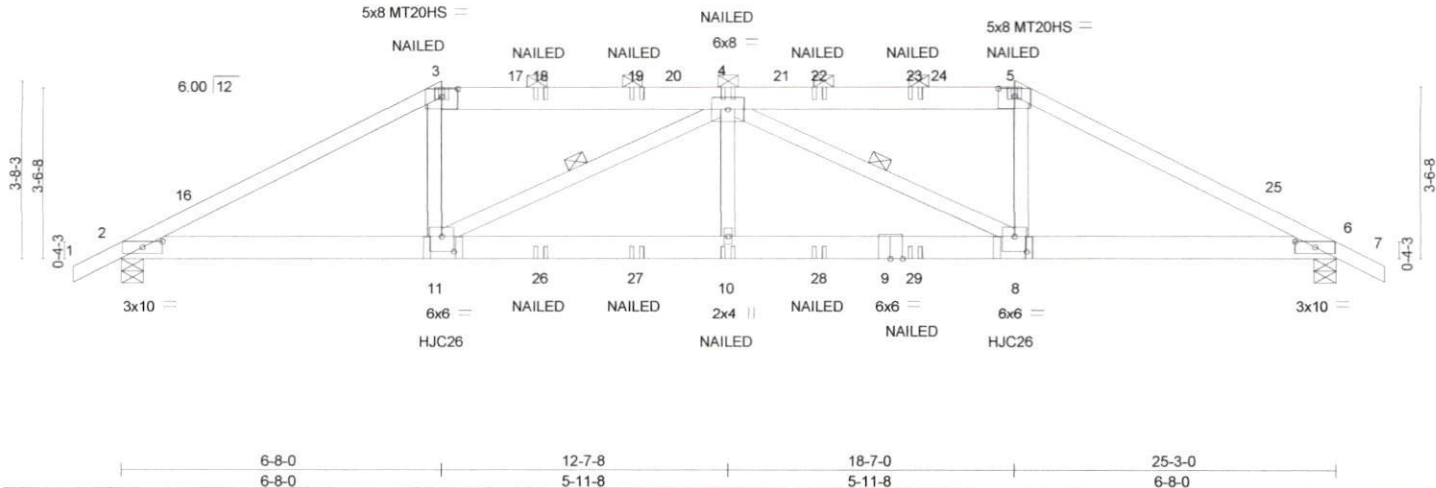


Plate Offsets (X,Y) - [2:0-5-0,0-1-7], [3:0-4-0,0-1-15], [5:0-4-0,0-1-15], [6:0-5-0,0-1-7], [8:0-3-0,0-3-12], [11:0-3-0,0-3-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.63	in (loc) l/defl L/d	MT20	244/190
Snow (Pfr/Pg) 12.7/10.0	Plate Grip DOL 1.15	BC 0.77	Vert(LL) 0.34 10 >896 240	MT20HS	187/143
TCDL 10.0	Lumber DOL 1.15	WB 0.58	Vert(TL) -0.43 10 >702 180		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MS	Horz(TL) 0.13 6 n/a n/a		
BCDL 10.0	Code IBC2009/TP12007			Weight: 144 lb	FT = 20%

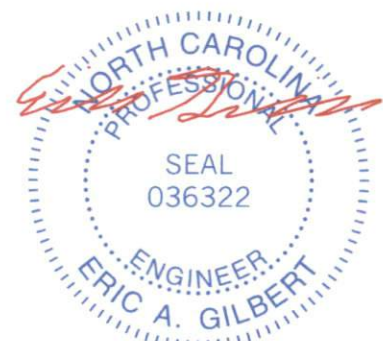
LUMBER-
 TOP CHORD 2x4 SP DSS *Except*
 3-5: 2x6 SP No.2
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-11-5 oc purlins, except
 BOT CHORD 2-0-0 oc purlins (3-3-3 max.): 3-5.
 WEBS Rigid ceiling directly applied or 4-3-12 oc bracing.
 1 Row at midpt 4-11, 4-8

REACTIONS. (lb/size) 2=1542/0-5-8, 6=1542/0-5-8
 Max Horz 2=147(LC 10)
 Max Uplift 2=1507(LC 12), 6=1507(LC 12)
 Max Grav 2=2139(LC 2), 6=2139(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-4339/2983, 3-4=-3779/2727, 4-5=-3779/2727, 5-6=-4339/2983
 BOT CHORD 2-11=-2489/3834, 10-11=-3325/4979, 8-10=-3325/4979, 6-8=-2489/3834
 WEBS 3-11=-800/1402, 4-11=-1454/1002, 4-10=0/487, 4-8=-1454/1003, 5-8=-800/1402

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TCLL: ASCE 7-05; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=12.7 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10, Lu=50-0-0 Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
 - 6) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 7) Provide adequate drainage to prevent water ponding.
 - 8) All plates are MT20 plates unless otherwise indicated.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 10) * 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.
 - 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1507 lb uplift at joint 2 and 1507 lb uplift at joint 6.
 - 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 13) Use USP HJC26 (With 16d nails into Girder & 10d nails into Truss) or equivalent spaced at 11-10-4 oc max. starting at 6-8-6 from the left end to 18-6-10 to connect truss(es) to front face of bottom chord.
 - 14) Fill all nail holes where hanger is in contact with lumber.
 - 15) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 16) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).



December 14, 2018

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 ANSITPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

TRENCO
 ENGINEERING BY
 A MITEK AFFILIATE
 818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Concrete Supply Office	E12515685
GUYV1108-1	T1GRD	Hip Girder	1	1	Job Reference (optional)	

Peak Truss Builders, LLC, New Hill, NC - 27562,

8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:20:01 2018 Page 2
 ID:8mAFsAZ727mQ6cNII2k374yLI6i-L11DxWgx75UIFbIpfGKpx72pH9CTsXXW1364Cy9MOC

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-35, 3-5=-45, 5-7=-35, 2-6=-20

Concentrated Loads (lb)

Vert: 3=-72(F) 5=-72(F) 11=-373(F) 10=-54(F) 8=-373(F) 4=-67(F) 18=-67(F) 19=-67(F) 22=-67(F) 23=-67(F) 26=-54(F) 27=-54(F) 28=-54(F) 29=-54(F)

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

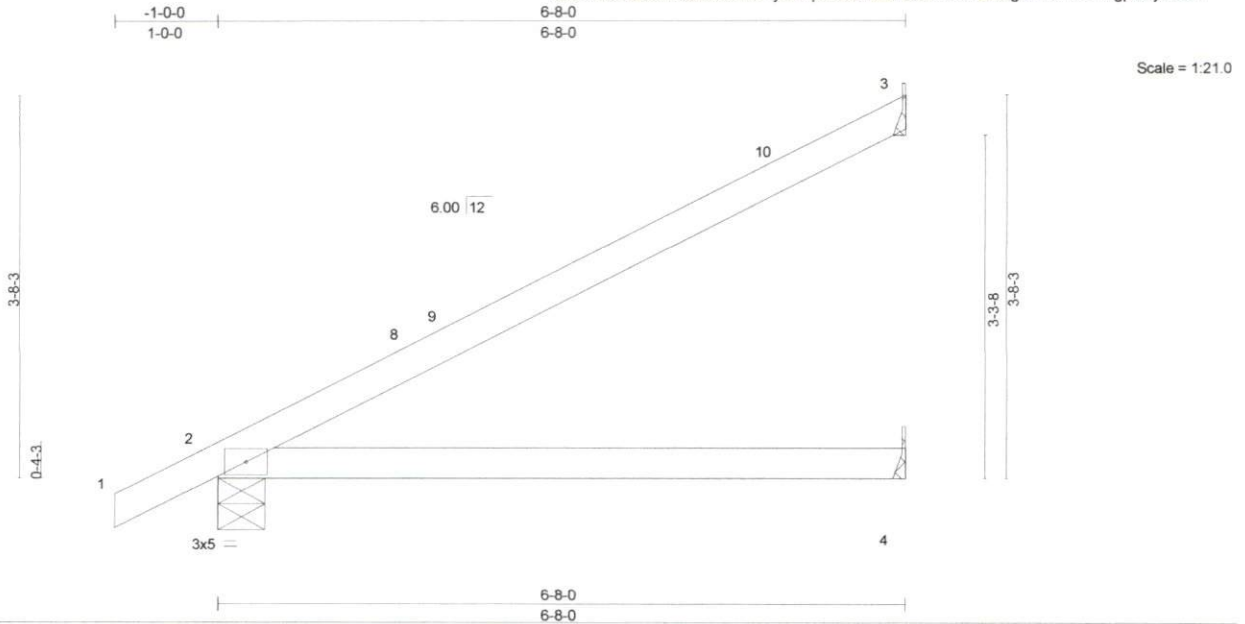
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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/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 GUYV1108-1	Truss T2	Truss Type Jack-Open	Qty 14	Ply 1	Concrete Supply Office E12515686
-------------------	-------------	-------------------------	-----------	----------	-------------------------------------

Peak Truss Builders, LLC, New Hill, NC - 27562, 8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:20:02 2018 Page 1
 ID 8mAFsAZ727mQ6cNl2k374yLl6i-pEbb9shZuPc9sIt?CMnZM9gAYhXfCSrhkgpfcy9M0B



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.83	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 7.7/10.0	Plate Grip DOL 1.15	BC 0.59	Vert(LL) 0.18 4-7 >448 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Vert(TL) -0.22 4-7 >358 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP	Horz(TL) -0.01 3 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 23 lb	FT = 20%

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

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

REACTIONS. (lb/size) 3=106/Mechanical, 2=221/0-5-8, 4=74/Mechanical
 Max Horz 2=277(LC 14)
 Max Uplift 3=194(LC 14), 2=188(LC 14), 4=1(LC 14)
 Max Grav 3=174(LC 2), 2=329(LC 2), 4=123(LC 7)

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

- NOTES-**
- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 6-7-4 zone; cantilever left and right exposed; 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
 - 2) TCLL: ASCE 7-05; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 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.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 194 lb uplift at joint 3, 188 lb uplift at joint 2 and 1 lb uplift at joint 4.



December 14, 2018

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

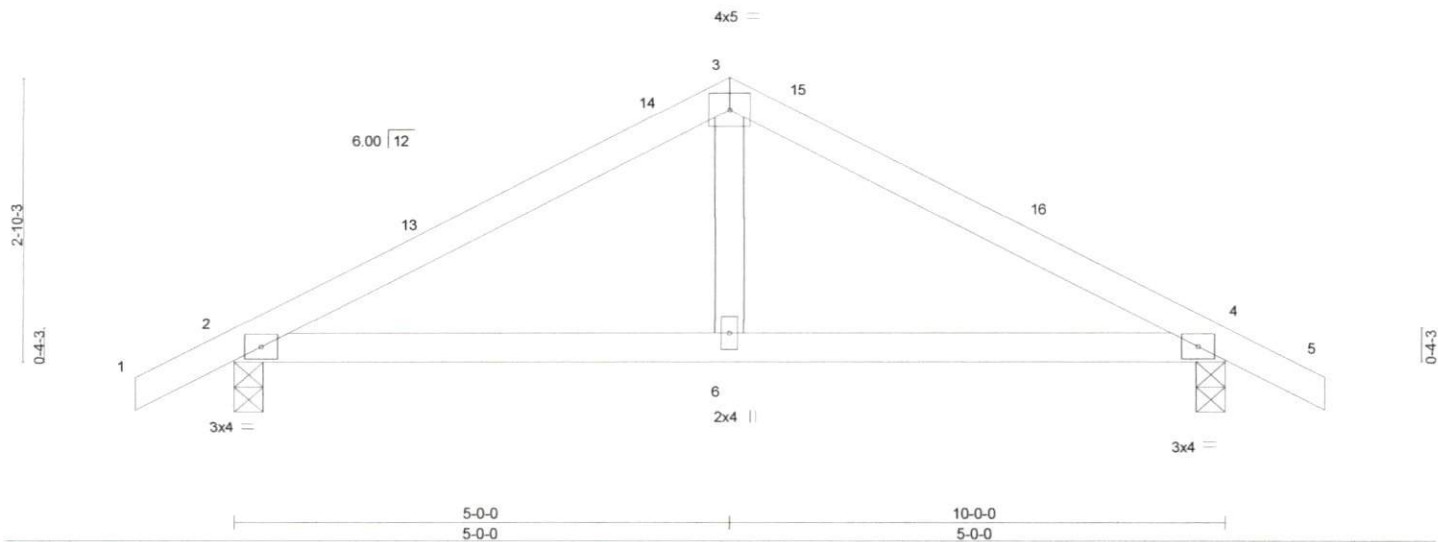
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

TRENCO
 ENGINEERING BY
 A MITEK AFFILIATE

818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Concrete Supply Office	E12515687
GUYV1108-1	T3	Common	1	1		

Peak Truss Builders, LLC, New Hill, NC - 27562, 8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:20:03 2018 Page 1
 ID: 8mAFsAZ2727mQ6cNiI2k374yLl6i-HQ9zMCIBfjk0UuScm3louMDTk5z8xujqzKYC84y9M0A
 -1-0-0 5-0-0 10-0-0 11-0-0
 1-0-0 5-0-0 5-0-0 1-0-0
 Scale = 1:21.9



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.29	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 7.7/10.0	Plate Grip DOL 1.15	BC 0.23	Vert(LL) 0.03 6-12 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.09	Vert(TL) -0.05 6-12 >999 180		
BCLL 0.0	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.01 4 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 39 lb	FT = 20%

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

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

REACTIONS. (lb/size) 2=312/0-3-8, 4=312/0-3-8
 Max Horz 2=117(LC 13)
 Max Uplift 2=-313(LC 14), 4=-313(LC 14)
 Max Grav 2=460(LC 2), 4=460(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-554/467, 3-4=-554/467
 BOT CHORD 2-6=-223/446, 4-6=-223/446

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 5-0-0, Exterior(1) 5-0-0 to 8-0-0, Interior(1) 8-0-0 to 11-0-0 zone; cantilever left and right exposed; 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
 - 3) TCLL: ASCE 7-05; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
 - 6) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 2 and 313 lb uplift at joint 4.



December 14, 2018

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

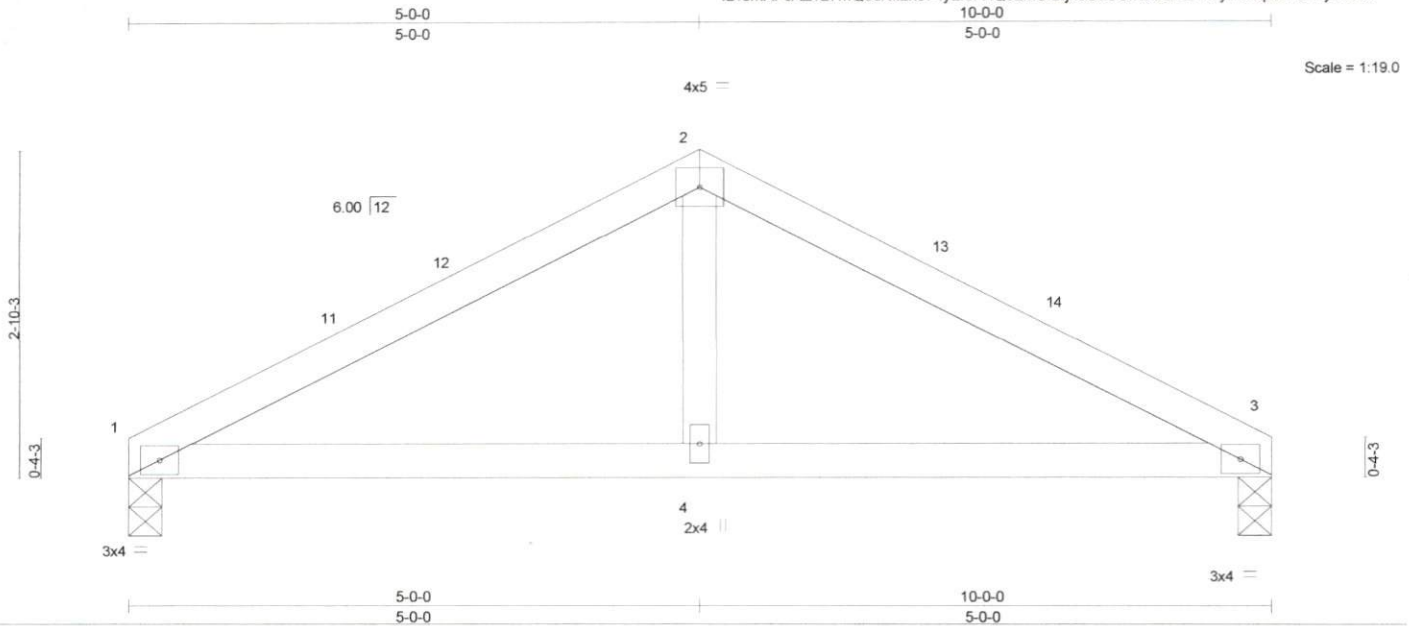
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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 ANSITPH1 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
 Edenonton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Concrete Supply Office	E12515688
GUYV1108-1	T3A	Common	1	1		

Peak Truss Builders, LLC, New Hill, NC - 27562,

8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:20:03 2018 Page 1
ID: 8mAFsAZ?27mQ6cNif2k374yL6i-HQ9zMCiBfjk0UuSCm3louMDT15yhxiqzKYC84y9M0A



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL	1.15	TC 0.29	Vert(LL)	0.03 4-10	>999	240	MT20	244/190
Snow (Pf/Pg) 7.7/10.0	Lumber DOL	1.15	BC 0.26	Vert(TL)	-0.05 4-10	>999	180		
TCDL 10.0	Rep Stress Incr	YES	WB 0.09	Horz(TL)	0.01 3	n/a	n/a		
BCLL 0.0 *	Code IBC2009/TPI2007		Matrix-MS					Weight: 35 lb	FT = 20%
BCDL 10.0									

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

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

REACTIONS. (lb/size) 1=277/0-3-8, 3=277/0-3-8
 Max Horz 1=98(LC 12)
 Max Uplift 1=222(LC 14), 3=222(LC 14)
 Max Grav 1=400(LC 2), 3=400(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=571/524, 2-3=571/524
 BOT CHORD 1-4=316/463, 3-4=316/463

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 5-0-0, Exterior(2) 5-0-0 to 8-0-0, Interior(1) 8-0-0 to 10-0-0 zone; cantilever left and right exposed; 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
- TCLL: ASCE 7-05; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 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 222 lb uplift at joint 1 and 222 lb uplift at joint 3.



December 14, 2018

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

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

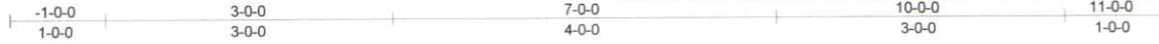


818 Soundside Road
 Edenton, NC 27932

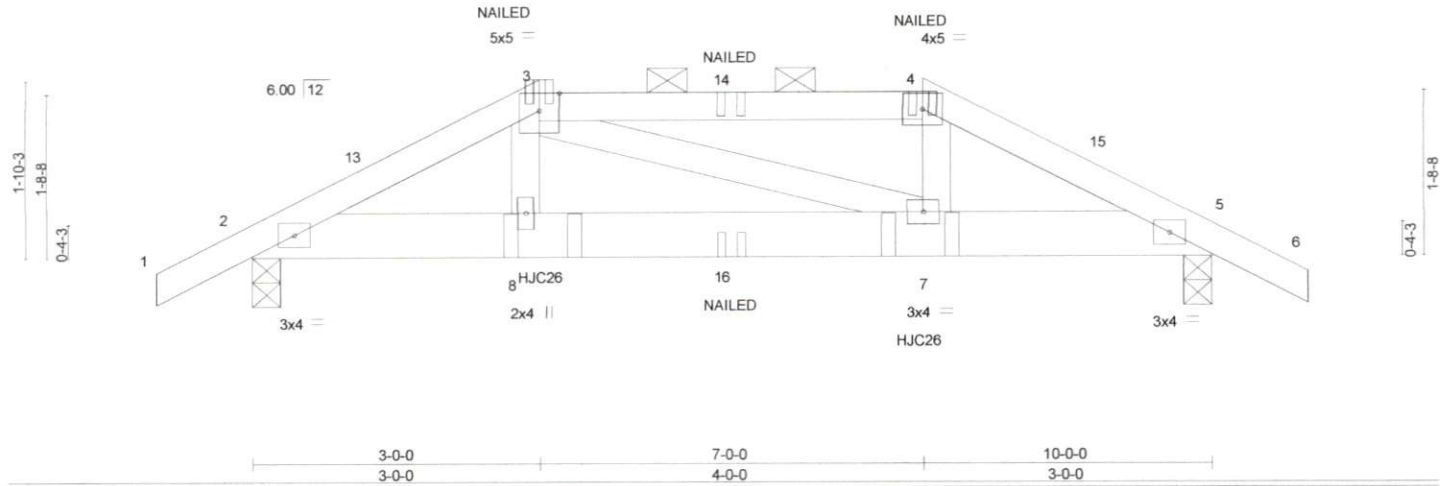
Job	Truss	Truss Type	Qty	Ply	Concrete Supply Office	E12515689
GUYV1108-1	T3GRD	Hip Girder	1	1	Job Reference (optional)	

Peak Truss Builders, LLC, New Hill, NC - 27562,

8.220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:20:04 2018 Page 1
ID: 8mAFsAZ727mQ6cNil2k374yLI6i-lcjMZyjpQ0st6210Kmp1RalfHULTgLR_C_imgWY9M09



Scale = 1:22.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.24	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 12.7/10.0	Plate Grip DOL 1.15	BC 0.26	Vert(LL) 0.03 7-8 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.10	Vert(TL) -0.05 7-8 >999 180		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MS	Horz(TL) 0.01 5 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 52 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-4.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=447/0-3-8, 5=447/0-3-8
 Max Horz 2=76(LC 39)
 Max Uplift 2=-426(LC 12), 5=-426(LC 12)
 Max Grav 2=625(LC 2), 5=625(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1078/624, 3-4=-934/584, 4-5=-1071/616
 BOT CHORD 2-8=-502/964, 7-8=-498/940, 5-7=-501/958

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 130mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=12.7 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10, Lu=50-0-0 Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
 - This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 426 lb uplift at joint 2 and 426 lb uplift at joint 5.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Use USP HJC26 (With 16d nails into Girder & 10d nails into Truss) or equivalent spaced at 3-11-4 oc max. starting at 3-0-6 from the left end to 6-11-10 to connect truss(es) to back face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.
 - "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).

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



December 14, 2018

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-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	Concrete Supply Office	E12515689
GUYV1108-1	T3GRD	Hip Girder	1	1	Job Reference (optional)	

Peak Truss Builders, LLC, New Hill, NC - 27562,

8.220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:20:05 2018 Page 2
 ID: 8mAFsAZ727mQ6cNII2k374yLI6i-DpHkntjRBK_kjCcauULGznlq1ue6Po57Re1JDzy9M08

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-35, 3-4=-45, 4-6=-35, 2-5=-20

Concentrated Loads (lb)

Vert: 4=-7(B) 8=-98(B) 7=-98(B) 3=-7(B) 14=-7(B) 16=-11(B)

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

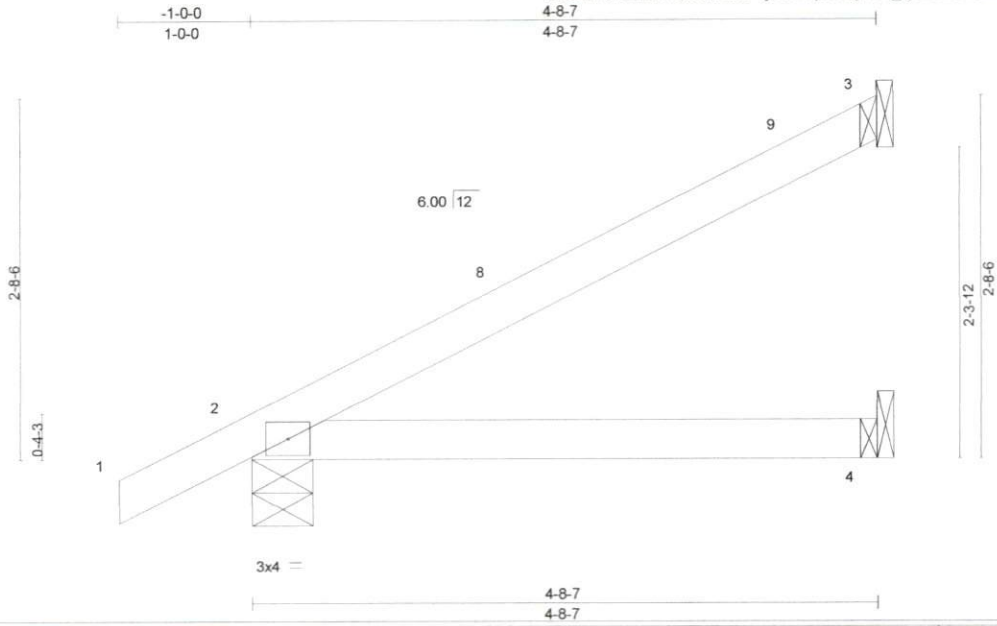
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



818 Soundside Road
 Edenton, NC 27932

Job GUYV1108-1	Truss T4	Truss Type Jack-Open	Qty 4	Ply 1	Concrete Supply Office Job Reference (optional)	E12515690
-------------------	-------------	-------------------------	----------	----------	--	-----------

Peak Truss Builders, LLC, New Hill, NC - 27562, 8.220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:20:05 2018 Page 1
 ID 8mAFsAZ727mQ6cNil2k374yLl6i-DpHkntjRBK_kjCcauULGznlosud0Ppb7Re1JDzy9M08



Scale = 1:16.3

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.37	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 7.7/10.0	Plate Grip DOL 1.15	BC 0.33	Vert(LL) 0.05 4-7 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Vert(TL) -0.05 4-7 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP	Horz(TL) -0.00 3 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 17 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-8-7 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=73/Mechanical, 2=168/0-5-8, 4=51/Mechanical
 Max Horz 2=210(LC 14)
 Max Uplift 3=-131(LC 14), 2=-165(LC 14)
 Max Grav 3=119(LC 2), 2=252(LC 2), 4=85(LC 7)

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

NOTES-

- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 4-7-11 zone; cantilever left and right exposed; 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
- 2) TCLL: ASCE 7-05; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 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.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 131 lb uplift at joint 3 and 165 lb uplift at joint 2.



December 14, 2018

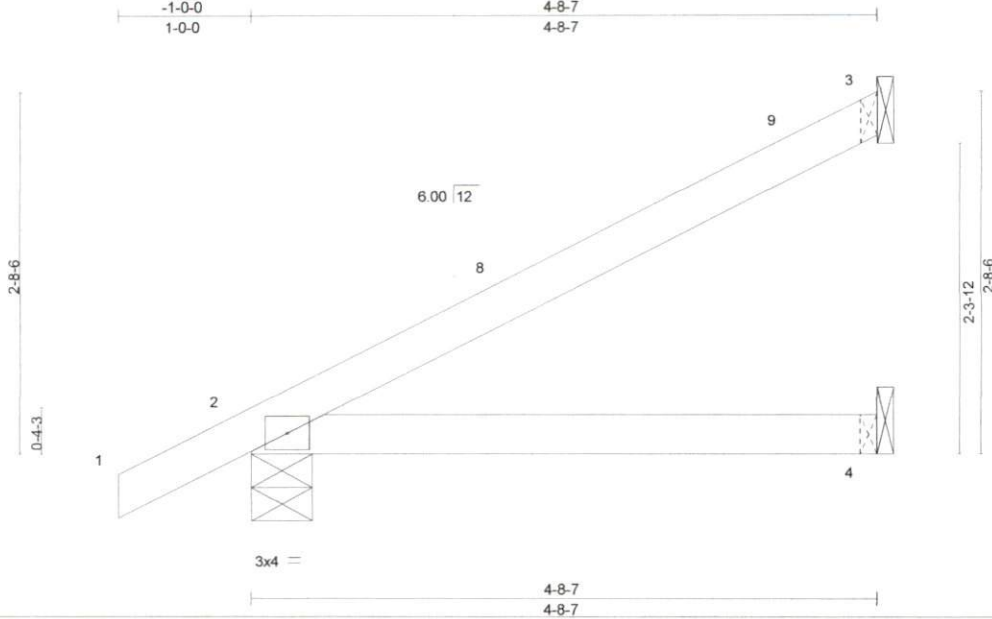
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10/03/2015 BEFORE USE.

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 GUYV1108-1	Truss T4A	Truss Type Jack-Open	Qty 3	Ply 1	Concrete Supply Office E12515691
-------------------	--------------	-------------------------	----------	----------	-------------------------------------

Peak Truss Builders, LLC, New Hill, NC - 27562, 8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:20:06 2018 Page 1
 ID 8mAFsAZ?27mQ6cNl2k374yL6i-h?r6_Dk4ye6bLMBmRBsVW?rzclzF8GqGfInsIPy9M07



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.37	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 7.7/10.0	Plate Grip DOL 1.15	BC 0.33	Vert(LL) 0.05 4-7 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Vert(TL) -0.05 4-7 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP	Horz(TL) -0.00 3 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 17 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-8-7 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=73/Mechanical, 2=168/0-5-8, 4=51/Mechanical
 Max Horz 2=210(LC 14)
 Max Uplift 3=131(LC 14), 2=165(LC 14)
 Max Grav 3=119(LC 2), 2=252(LC 2), 4=85(LC 7)

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

- NOTES-**
- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 4-7-11 zone; cantilever left and right exposed; 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
 - 2) TCLL: ASCE 7-05; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 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.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 131 lb uplift at joint 3 and 165 lb uplift at joint 2.



December 14, 2018

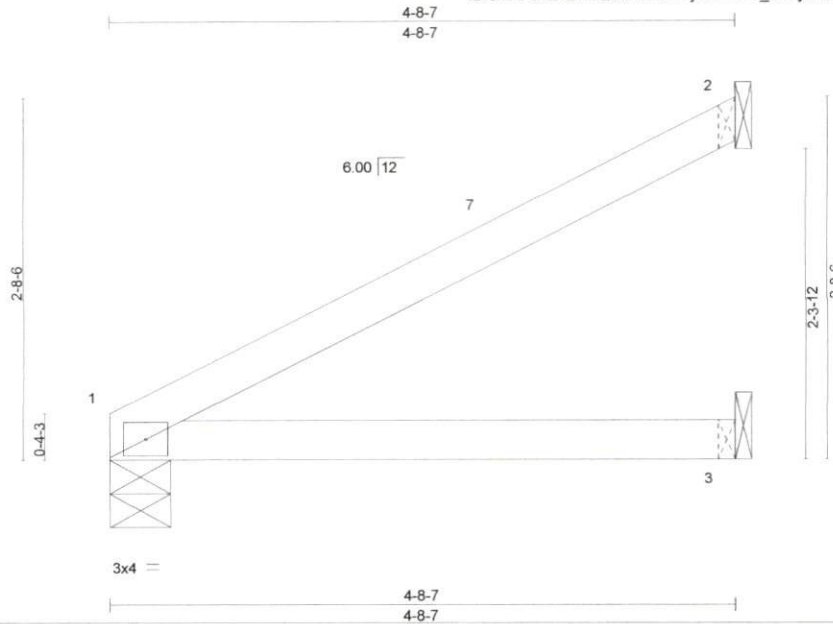
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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

Job GUYV1108-1	Truss T4B	Truss Type Jack-Open	Qty 1	Ply 1	Concrete Supply Office E12515692
-------------------	--------------	-------------------------	----------	----------	-------------------------------------

Peak Truss Builders, LLC, New Hill, NC - 27562,

8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:20:06 2018 Page 1
ID:8mAFsAZ?272mQ6cNl2k374yLl6i-h?r6_Dk4ye6bLMBmRBsVW?rzTlx8GqGfnsIPy9M07



Scale = 1:16.3

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.38	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 7.7/10.0	Plate Grip DOL 1.15	BC 0.35	Vert(LL) 0.06 3-6 >981 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Vert(TL) -0.06 3-6 >970 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP	Horz(TL) -0.00 2 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 15 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=129/0-5-8, 2=75/Mechanical, 3=53/Mechanical
Max Horz 1=159(LC 14)
Max Uplift 1=-62(LC 14), 2=-137(LC 14), 3=-7(LC 14)
Max Grav 1=186(LC 2), 2=122(LC 2), 3=86(LC 7)

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

NOTES-

- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-7-11 zone; cantilever left and right exposed; 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
- 2) TCLL: ASCE 7-05; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 1, 137 lb uplift at joint 2 and 7 lb uplift at joint 3.



December 14, 2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-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

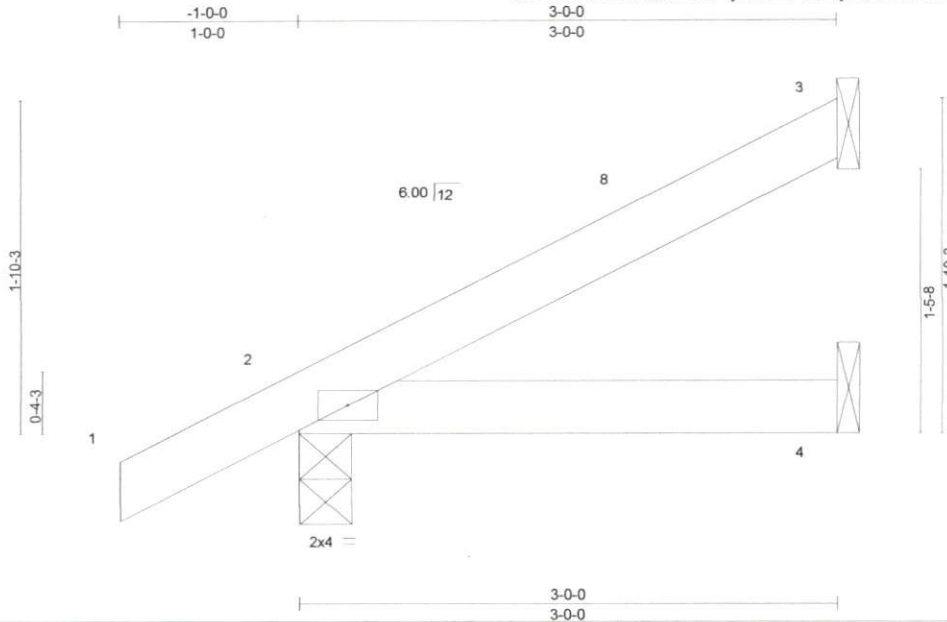
818 Soundside Road
Edenton, NC 27932

Job GUYV1108-1	Truss T5	Truss Type Jack-Open	Qty 3	Ply 1	Concrete Supply Office	E12515693
-------------------	-------------	-------------------------	----------	----------	------------------------	-----------

Peak Truss Builders, LLC, New Hill, NC - 27562,

8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:20:07 2018 Page 1

ID:8mAFsAZ?27mQ6cNil2k374yLi6i-ABPUCZlijxESzWmz?vNk3CNBRiN4t4QuyWQHry9M06



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.11	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 7.7/10.0	Plate Grip DOL 1.15	BC 0.10	Vert(LL) 0.01 4-7 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Vert(TL) -0.01 4-7 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP	Horz(TL) -0.00 3 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 11 lb	FT = 20%

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

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

REACTIONS. (lb/size) 3=44/Mechanical, 2=123/0-3-8, 4=31/Mechanical
Max Horz 2=152(LC 14)
Max Uplift 3=75(LC 14), 2=149(LC 14)
Max Grav 3=71(LC 2), 2=188(LC 2), 4=52(LC 7)

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

NOTES-

- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf, BCDL=6.0psf, h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 2-11-4 zone; cantilever left and right exposed; 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
- 2) TCLL: ASCE 7-05; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 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.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 3 and 149 lb uplift at joint 2.



December 14, 2018

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.

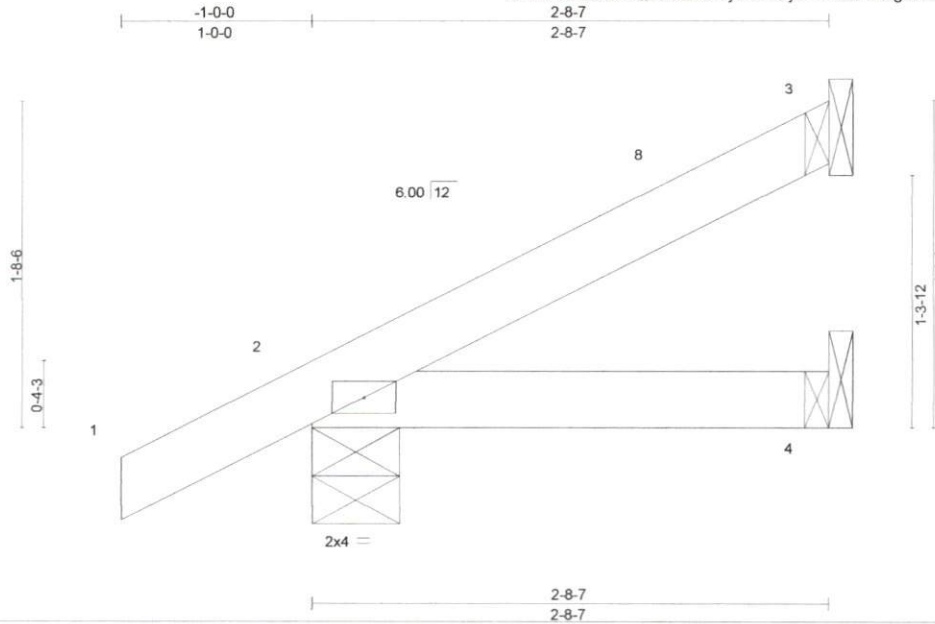


818 Soundside Road
Edenton, NC 27932

Job GUYV1108-1	Truss T6	Truss Type Jack-Open	Qty 4	Ply 1	Concrete Supply Office E12515694
-------------------	-------------	-------------------------	----------	----------	-------------------------------------

Peak Truss Builders, LLC, New Hill, NC - 27562,

8 220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:20:08 2018 Page 1
ID:8mAFsAZ?2727mQ6cNii2k374yLl6i-eOysPvmKUFMIagL9ZcuzbQwMQ6ijcAKZ7cGzply9M05



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.10	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 7.7/10.0	Plate Grip DOL 1.15	BC 0.07	Vert(LL) -0.00 7 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Vert(TL) -0.00 4-7 >999 180		
BCLL 0.0	Rep Stress Incr YES	Matrix-MP	Horz(TL) -0.00 3 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 10 lb	FT = 20%

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

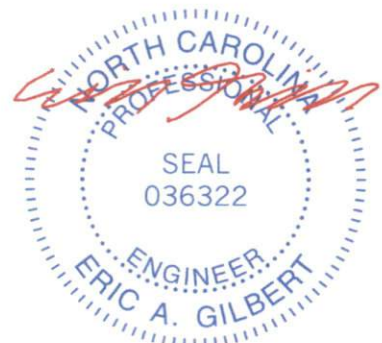
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=39/Mechanical, 2=115/0-5-8, 4=28/Mechanical
Max Horz 2=142(LC 14)
Max Uplift 3=65(LC 14), 2=147(LC 14)
Max Grav 3=63(LC 2), 2=177(LC 2), 4=47(LC 7)

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

NOTES-

- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf, BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 2-7-11 zone; cantilever left and right exposed; 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
- 2) TCLL: ASCE 7-05; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 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.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 65 lb uplift at joint 3 and 147 lb uplift at joint 2.



December 14, 2018

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.

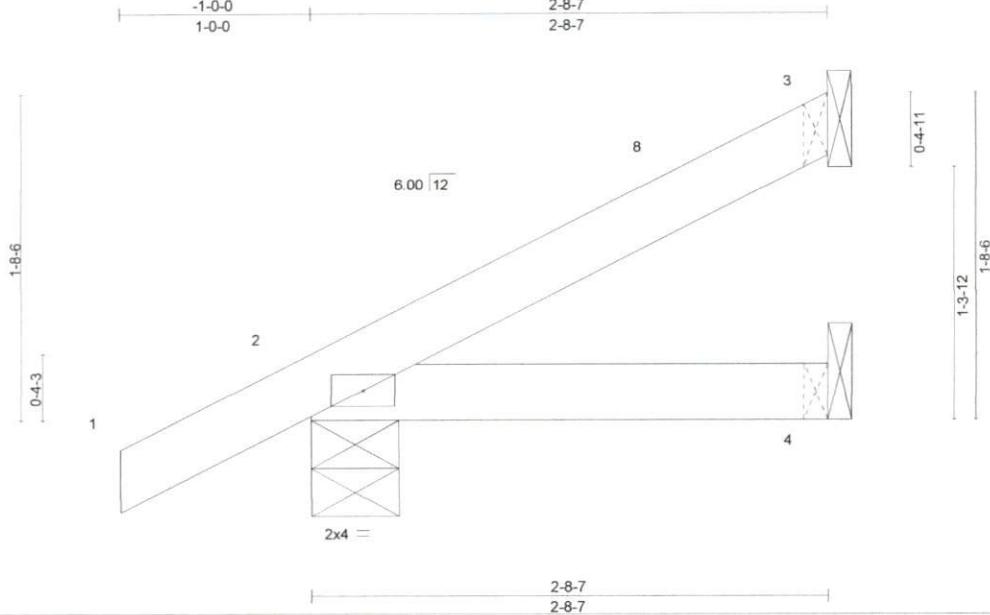


818 Soundside Road
Edenton, NC 27932

Job GUYV1108-1	Truss T6A	Truss Type Jack-Open	Qty 4	Ply 1	Concrete Supply Office	E12515695
-------------------	--------------	-------------------------	----------	----------	------------------------	-----------

Peak Truss Builders, LLC, New Hill, NC - 27562,

8.220 s Nov 16 2018 MiTek Industries, Inc. Thu Dec 13 14:20:08 2018 Page 1
ID:8mAFsAZ?27mQ6cNl2k374yLl6i-eOysPvmKUFMlagL9ZcuzbQwMQ6ijcAKZ7cGzply9M05



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.10	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 7.7/10.0	Plate Grip DOL 1.15	BC 0.07	Vert(LL) -0.00 7 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Vert(TL) -0.00 4-7 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP	Horz(TL) -0.00 3 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 10 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=39/Mechanical, 2=115/0-5-8, 4=28/Mechanical
Max Horz 2=142(LC 14)
Max Uplift 3=65(LC 14), 2=147(LC 14)
Max Grav 3=63(LC 2), 2=177(LC 2), 4=47(LC 7)

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

NOTES-

- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (all heights) and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 2-7-11 zone; cantilever left and right exposed; 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
- 2) TCLL: ASCE 7-05; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Pf=7.7 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 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.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 65 lb uplift at joint 3 and 147 lb uplift at joint 2.



December 14, 2018

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

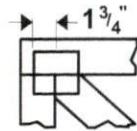
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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.



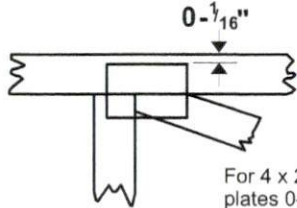
818 Soundside Road
Edenton, NC 27932

Symbols

PLATE LOCATION AND ORIENTATION



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



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



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

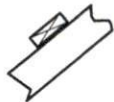
* Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 x 4

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

LATERAL BRACING LOCATION



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

BEARING

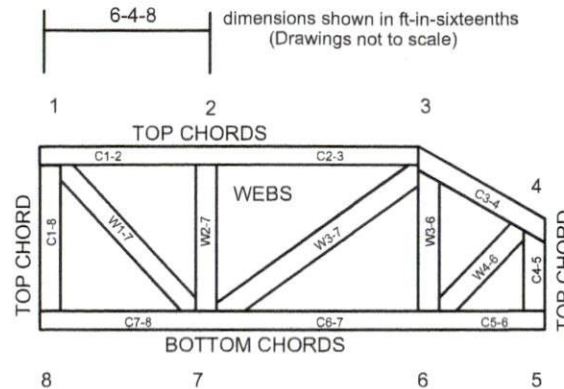


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

- ANSI/TPI1: 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.

© 2012 MiTek® All Rights Reserved



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



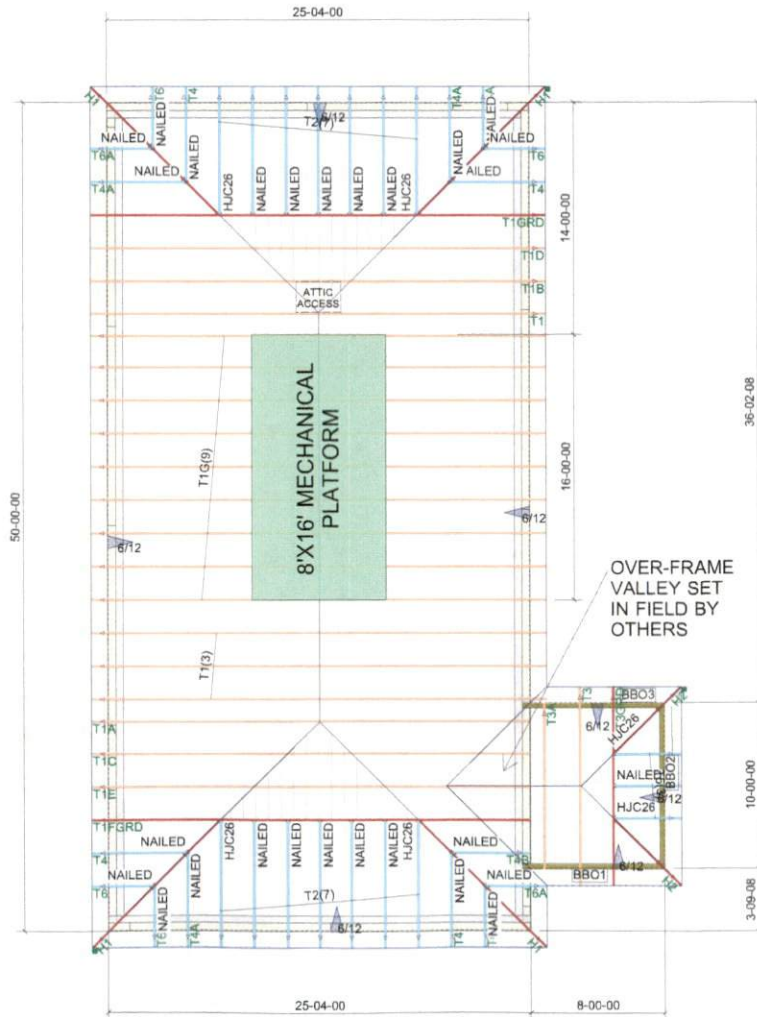
General Safety Notes

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.

THIS LAYOUT IS TO BE USED AS A TRUSS PLACEMENT GUIDE ONLY.
PLEASE REFER TO BUILDING PLANS FOR BUILDING CONSTRUCTION AND DETAILS,
SUCH AS PLUMBING OR DUCT DROPS.

PROPOSED DESIGN-
NOT FOR
CONSTRUCTION



CONCRETE SUPPLY OFFICE
ROOF TRUSSES
2' OC, 1' OH

Truss Connector Total List		
Manuf	Product	Qty
	HJC26	6

Roof Truss Loading per
2012 NC Residential Code

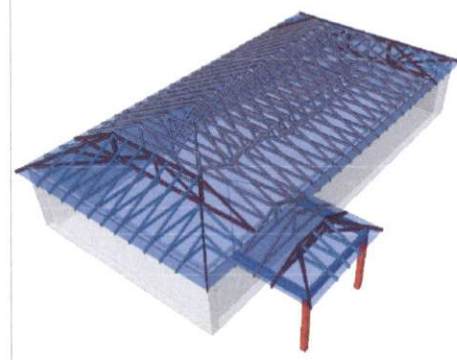
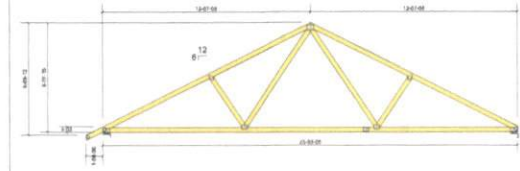
Top Chord Live Load 20# PSF
Top Chord Dead Load 10# PSF
Bottom Chord Live Load 0# PSF
Bottom Chord Dead Load 10# PSF

Trusses are designed for additional
storage load wherever a 42"x24"
box will fit between the webs.

- △ - This symbol denotes left end of
truss as shown on truss drawings
- - Approximate location of toilet
drop. Builder please confirm.

Truss connections by others:
Ⓝ - Nailed
Ⓛ - Ledger

- Notes
- Exterior dimensions shown are
assumed to be:
 Out-to-out of stud
 Out-to-out of sheathing
 - Adjust truss locations as
needed for plumbing and
mechanical clearance. Unless
otherwise noted, trusses may be
shifted as long as O.C. spacing
shown is not exceeded.
 - Do not cut, drill, or otherwise
damage any part of any truss
without prior approval from Peak
Truss.
 - Do not approve drawings if any
information herein is unclear.
Once ordered trusses will be
fabricated as approved.
 - Please contact Peak Truss
Builders with any questions. We
are available to help in any way
we can. We can be reached at
919-545-5555 or
sales@peaktruss.com



Job #
GUYV1108-1

Concrete Supply Office
Fuquay-Varina NC

Date Quoted:
11/08/18

Designer:
SB

Guy C Lee - Clayton
151 Hwy 42 E
Clayton, NC
27520

**Peak Truss
Builders, LLC**
PO Box 340, New Hill, NC 27562