

Trenco

818 Soundside Rd
Edenton, NC 27932

Re: 18-067825T
PINE

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Stock Building Supply.

Pages or sheets covered by this seal: I33870917 thru I33870930

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

North Carolina COA: C-0844



July 3, 2018

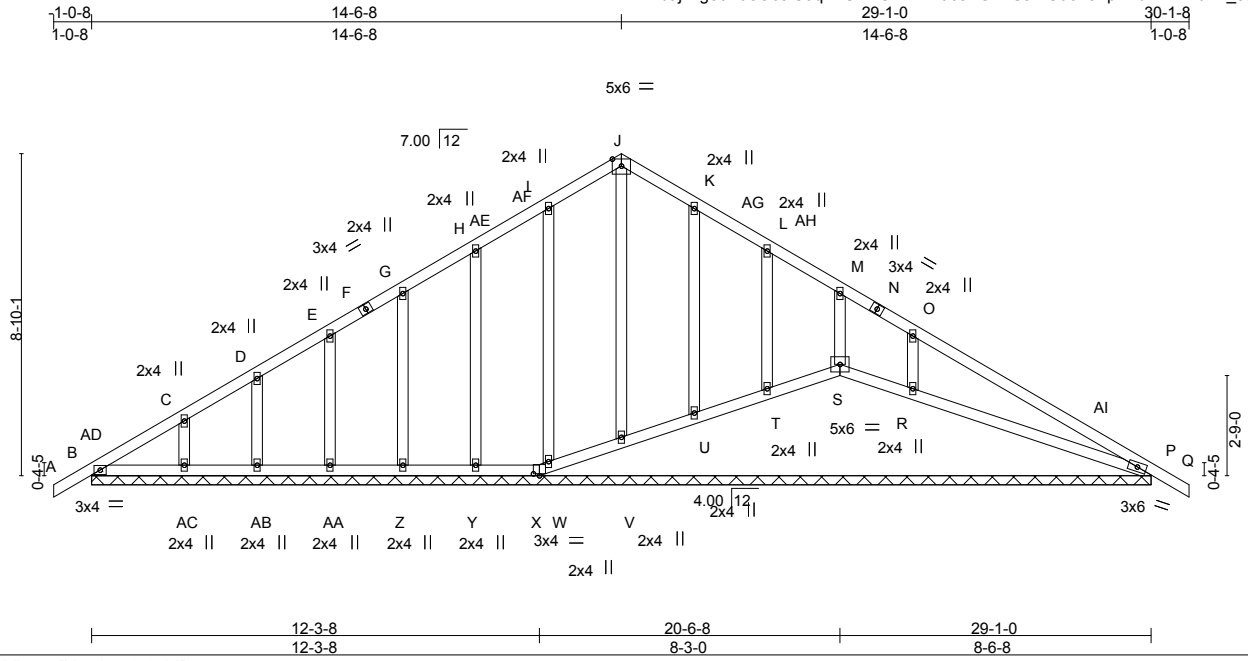
Galinski, John

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 18-067825T	Truss T01	Truss Type GABLE	Qty 1	Ply 1	PINE	133870917
-------------------	--------------	---------------------	----------	----------	------	-----------

BMC (Charles City, VA), Charles City, VA - 23030,

8.220 s May 24 2018 MiTek Industries, Inc. Tue Jul 3 08:02:22 2018 Page 1
ID:Vbajvng50Ku8OcelC9qhKSz?rCf-Rzn4uceECXLsSWUu3ZahpEhbWwmwHv_5tBYp5z?quV



Scale = 1:63.2

Plate Offsets (X, Y)-- [X:0-2-0, 0-0-11]		12-3-8		20-6-8		29-1-0	
		12-3-8		8-3-0		8-6-8	
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES
TCLL (roof) 20.0	2-0-0	TC 0.39	Vert(LL) 0.03	Q	n/r	120	GRIP
Snow (Pf/Pg) 13.9/20.0	Plate Grip DOL 1.00	BC 0.26	Vert(TL) 0.08	Q	n/r	120	MT20
TCDL 10.0	Lumber DOL 1.15	WB 0.26	Horz(TL) 0.01	P	n/a	n/a	
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Wind(LL) -0.05	Q	n/r	90	
BCDL 10.0	Code IRC2012/TPI2007						Weight: 167 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
OTHERS 2x4 SP No.3	6-0-0 oc bracing: S-T,R-S.

REACTIONS. All bearings 29-1-0.
 (lb) - Max Horz B=316(LC 13)
 Max Uplift All uplift 100 lb or less at joint(s) B, X, W, Z, AA, AB, U except S=-125(LC 13), P=-128(LC 15), Y=-101(LC 14), AC=-117(LC 14), T=-135(LC 15), R=-355(LC 15)
 Max Grav All reactions 250 lb or less at joint(s) B, X, S, V, W, Y, Z, AA, AB, AC, U, T except P=288(LC 29), R=644(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-263/238, H-I=-198/266, I-J=-253/303, J-K=-252/289
 WEBS O-R=-536/399

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-8 to 1-11-8, Interior(1) 1-11-8 to 11-6-8, Exterior(2) 11-6-8 to 17-6-8, Interior(1) 17-6-8 to 27-1-8, Exterior(2) 27-1-8 to 30-1-8 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=1.33
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp C; Fully 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 13.9 psf on overhangs non-concurrent with other live loads.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, X, W, Z, AA, AB, U except (jt=lb) S=125, P=128, Y=101, AC=117, T=135, R=355.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) S, V, W, U, T, R.



July 3, 2018

Job 18-067825T	Truss T02	Truss Type Roof Special	Qty 4	Ply 1	PINE	133870918
-------------------	--------------	----------------------------	----------	----------	------	-----------

BMC (Charles City, VA), Charles City, VA - 23030,

8.220 s May 24 2018 MiTek Industries, Inc. Tue Jul 3 08:02:24 2018 Page 1
 ID:Vbajvng50Ku8OcelC9qhKSz7rCf-NLurJHgV8bA5qeGB_c9ufmpNjLI33sGZBgf_u_z7quT

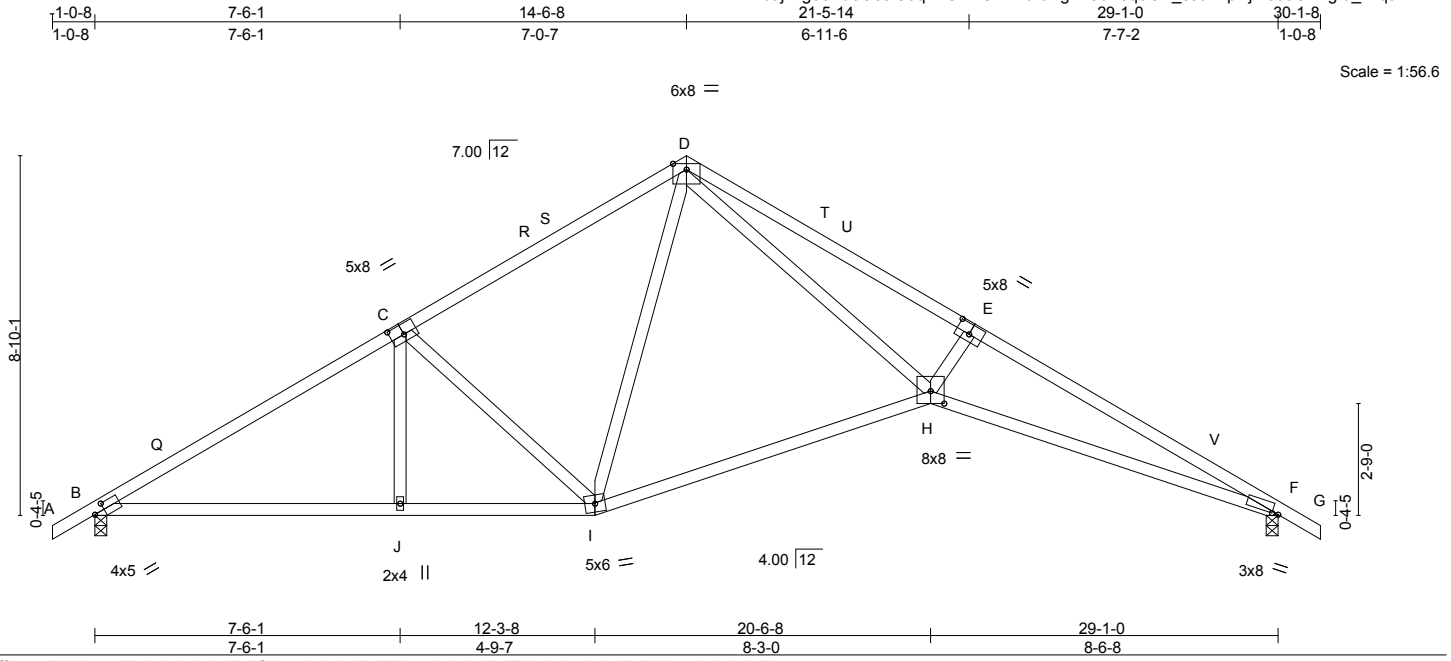


Plate Offsets (X,Y)--	[B:0-3-2,0-2-0], [C:0-4-0,0-3-0], [E:0-4-0,0-3-0], [F:0-1-14,0-0-2], [H:0-4-0,0-3-11]
-----------------------	---

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.94	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 13.9/20.0	Plate Grip DOL 1.00	BC 0.72	Vert(LL) -0.26 H-I >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.74	Vert(TL) -0.82 H-I >426 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.38 F n/a n/a		
BCDL 10.0	Code IRC2012/TPI2007			Weight: 142 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP 2400F 2.0E or 2x4 SP DSS or 2x4 SP M 31 *Except* A-C,E-G: 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied. BOT CHORD Rigid ceiling directly applied or 7-8-13 oc bracing.
BOT CHORD 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS	
WEBS 2x4 SP No.3 *Except* D-I,D-H: 2x4 SP No.2	

REACTIONS. (lb/size) B=1044/0-3-8, F=1025/0-3-8
 Max Horz B=-315(LC 12)
 Max Uplift B=-367(LC 14), F=-359(LC 15)
 Max Grav B=1237(LC 2), F=1215(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1794/486, C-D=-1489/490, D-E=-3766/905, E-F=-3844/868
 BOT CHORD B-J=-449/1538, I-J=-449/1538, H-I=-177/1157, F-H=-627/3418
 WEBS C-I=-616/361, D-I=-123/255, D-H=-614/2823, E-H=-485/402

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-8 to 1-11-8, Interior(1) 1-11-8 to 11-6-8, Exterior(2) 11-6-8 to 17-6-8, Interior(1) 17-6-8 to 27-1-8, Exterior(2) 27-1-8 to 30-1-8 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=1.33
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp C; Fully 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 13.9 psf on overhangs non-concurrent with other 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.
 - Bearing at joint(s) F considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=367, F=359.



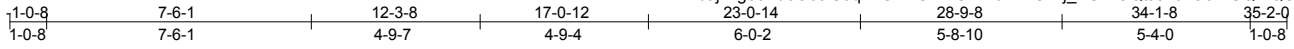
July 3, 2018

Job 18-067825T	Truss T03	Truss Type Roof Special	Qty 3	Ply 1	PINE	133870919
-------------------	--------------	----------------------------	----------	----------	------	-----------

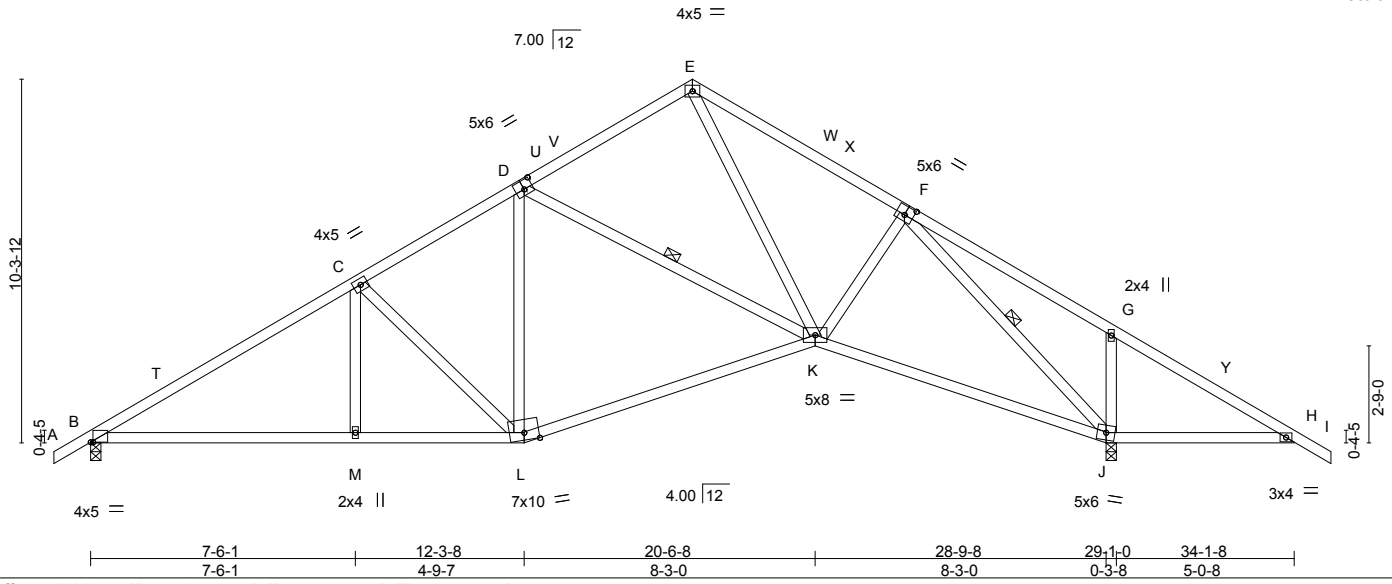
BMC (Charles City, VA), Charles City, VA - 23030,

8.220 s May 24 2018 MiTek Industries, Inc. Tue Jul 3 08:02:25 2018 Page 1

ID:Vbajvng50Ku8OcelC9qhKSz?rCf-rXSDWdh7VSk1j_DSli7OQtJ5k6kOoWUQnrQCQz?quS



Scale = 1:65.3



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.45	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 13.9/20.0	Plate Grip DOL 1.00	BC 0.53	Vert(LL) -0.18 K-L >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.71	Vert(TL) -0.49 K-L >702 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.11 J n/a n/a		
BCDL 10.0	Code IRC2012/TPI2007			Weight: 189 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS
 BOT CHORD 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS
 WEBS 2x4 SP No.3 *Except*
 D-K,F-J: 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-5-4 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt D-K, F-J

REACTIONS. (lb/size) B=989/0-3-8, J=1421/0-3-8
 Max Horz B=-366(LC 12)
 Max Uplift B=-375(LC 14), J=-494(LC 15)
 Max Grav B=1172(LC 2), J=1683(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1689/463, C-D=-1399/441, D-E=-992/298, E-F=-1488/440, F-G=-420/597,
 G-H=-563/575
 BOT CHORD B-M=-471/1510, L-M=-471/1510, K-L=-298/1240, J-K=-143/989, H-J=-424/593
 WEBS C-L=-537/277, D-K=-522/307, E-K=-229/994, F-K=-58/396, F-J=-1987/594, G-J=-414/315

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-8 to 2-4-7, Interior(1) 2-4-7 to 13-7-13, Exterior(2) 13-7-13 to 20-5-11, Interior(1) 20-5-11 to 31-9-1, Exterior(2) 31-9-1 to 35-2-0 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=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp C; Fully 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 13.9 psf on overhangs non-concurrent with other 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 100 lb uplift at joint(s) except (jt=lb) B=375, J=494.



July 3, 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 18-067825T	Truss T03E	Truss Type GABLE	Qty 1	Ply 1	PINE	133870920
-------------------	---------------	---------------------	----------	----------	------	-----------

BMC (Charles City, VA), Charles City, VA - 23030, 8.220 s May 24 2018 MiTek Industries, Inc. Tue Jul 3 08:02:28 2018 Page 1
 ID:Vbajvng50Ku8OcelC9qhKSz?rCf-F68L8fj?oN6caRy1Qqh52VxdmKmf?wLSUpes1lz?quP



Scale = 1:70.0

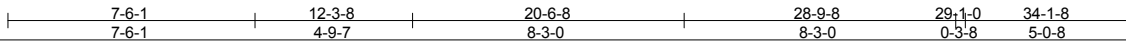
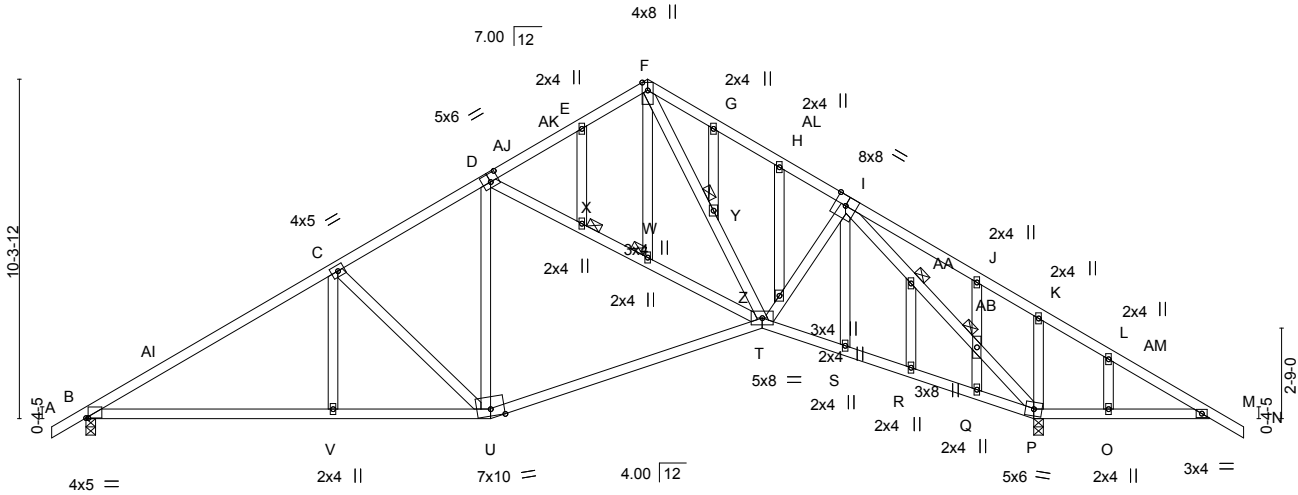


Plate Offsets (X, Y)-- [B:0-0-13.0-0-0], [D:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.40	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 13.9/20.0	Plate Grip DOL 1.00	BC 0.56	Vert(LL) -0.19 T-U >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.51	Vert(TL) -0.53 T-U >652 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.12 P n/a n/a		
BCDL 10.0	Code IRC2012/TPI2007			Weight: 229 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS
 BOT CHORD 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS
 WEBS 2x4 SP No.3 *Except*
 D-T,I-P: 2x4 SP No.2
 OTHERS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-5-12 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 JOINTS 1 Brace at Jt(s): W, X, Y, AA, AB

REACTIONS. (lb/size) B=989/0-3-8, P=1421/0-3-8
 Max Horz B=366(LC 13)
 Max Uplift B=-375(LC 14), P=-494(LC 15)
 Max Grav B=1172(LC 2), P=1683(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1690/464, C-D=-1399/440, D-E=-985/281, E-F=-989/324, F-G=-1502/461,
 G-H=-1501/441, H-I=-1447/402, I-J=-365/573, J-K=-420/486, K-L=-526/563,
 L-M=-539/505
 BOT CHORD B-V=-473/1511, U-V=-473/1511, T-U=-294/1236, S-T=-105/983, R-S=-112/997,
 Q-R=-111/962, P-Q=-103/963, O-P=-420/576, M-O=-420/576
 WEBS C-U=-542/284, D-X=-505/285, W-X=-535/312, T-W=-504/287, F-Y=-236/1043,
 T-Y=-224/1006, T-Z=-85/341, I-Z=-60/398, I-AA=-2001/526, AA-AB=-1941/503,
 P-AB=-2002/518, K-P=-335/203

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-8 to 2-4-7, Interior(1) 2-4-7 to 13-7-13, Exterior(2) 13-7-13 to 20-5-11, Interior(1) 20-5-11 to 31-9-1, Exterior(2) 31-9-1 to 35-2-0 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=1.33
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp C; Fully 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 13.9 psf on overhangs non-concurrent with other live loads.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=375, P=494.



July 3, 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 18-067825T	Truss T04	Truss Type Common	Qty 7	Ply 1	PINE	133870921
-------------------	--------------	----------------------	----------	----------	------	-----------

BMC (Charles City, VA), Charles City, VA - 23030,

8.220 s May 24 2018 MiTek Industries, Inc. Tue Jul 3 08:02:29 2018 Page 1

ID:Vbajvng50Ku8OcelC9qhKSz?rCf-jjikM?kdZgETBbXE_XCKbjUpJk6nkMB?iT0PZBz?quO



Scale: 3/16"=1'

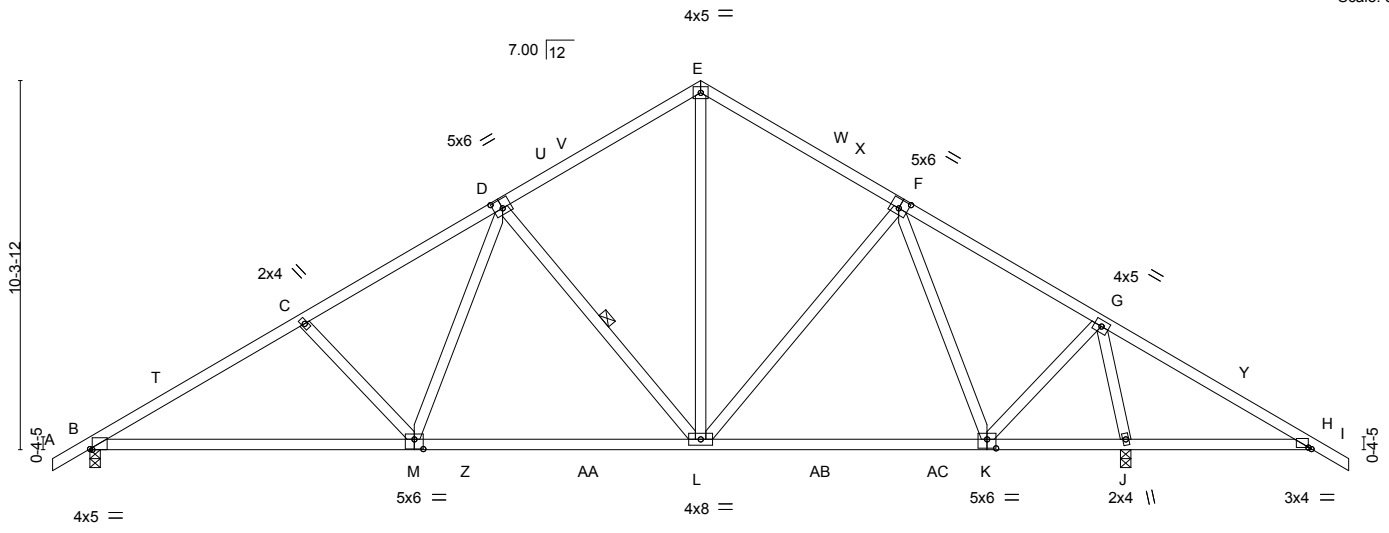


Plate Offsets (X, Y)--	[B:0-0-13,Edge], [D:0-3-0,0-3-0], [F:0-3-0,0-3-0], [H:0-1-1,0-0-8], [K:0-3-0,0-3-0], [M:0-3-0,0-3-4]
------------------------	--

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.35	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 13.9/20.0	Plate Grip DOL 1.00	BC 0.50	Vert(LL) -0.13 L-M >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.60	Vert(TL) -0.27 M-P >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.05 J n/a n/a		
BCDL 10.0	Code IRC2012/TPI2007			Weight: 192 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied or 4-7-3 oc purlins.
BOT CHORD 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* D-L,E-L,F-L: 2x4 SP No.2	WEBS 1 Row at midpt D-L

REACTIONS. (lb/size) B=994/0-3-8, J=1416/0-3-8
 Max Horz B=366(LC 13)
 Max Uplift B=-372(LC 14), J=-494(LC 15)
 Max Grav B=1232(LC 28), J=1678(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1811/534, C-D=-1640/507, D-E=-1108/382, E-F=-1108/417, F-G=-804/252, G-H=-548/641
 BOT CHORD B-M=-565/1747, L-M=-331/1357, K-L=-93/800, J-K=-184/446, H-J=-477/590
 WEBS C-M=-373/288, D-M=-121/500, D-L=-705/400, E-L=-232/765, F-K=-597/346, G-K=-296/933, G-J=-1610/697

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-8 to 2-4-7, Interior(1) 2-4-7 to 13-7-13, Exterior(2) 13-7-13 to 20-5-11, Interior(1) 20-5-11 to 31-9-1, Exterior(2) 31-9-1 to 35-2-0 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=1.33
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp C; Fully 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 13.9 psf on overhangs non-concurrent with other 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 100 lb uplift at joint(s) except (jt=lb) B=372, J=494.



July 3, 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.

ENGINEERING BY
TRENCO
 A MiTek Affiliate

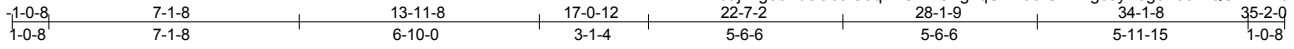
818 Soundside Road
 Edenton, NC 27932

Job 18-067825T	Truss T05	Truss Type Roof Special	Qty 2	Ply 1	PINE	133870922
-------------------	--------------	----------------------------	----------	----------	------	-----------

BMC (Charles City, VA), Charles City, VA - 23030,

8.220 s May 24 2018 MiTek Industries, Inc. Tue Jul 3 08:02:31 2018 Page 1

ID:Vbajvng50Ku8OcelC9qhKSz?rCf-ghqUnhlu5lUBRvvc5yEog8Z50XIQCAFIantWe4z?quM



Scale = 1:65.6

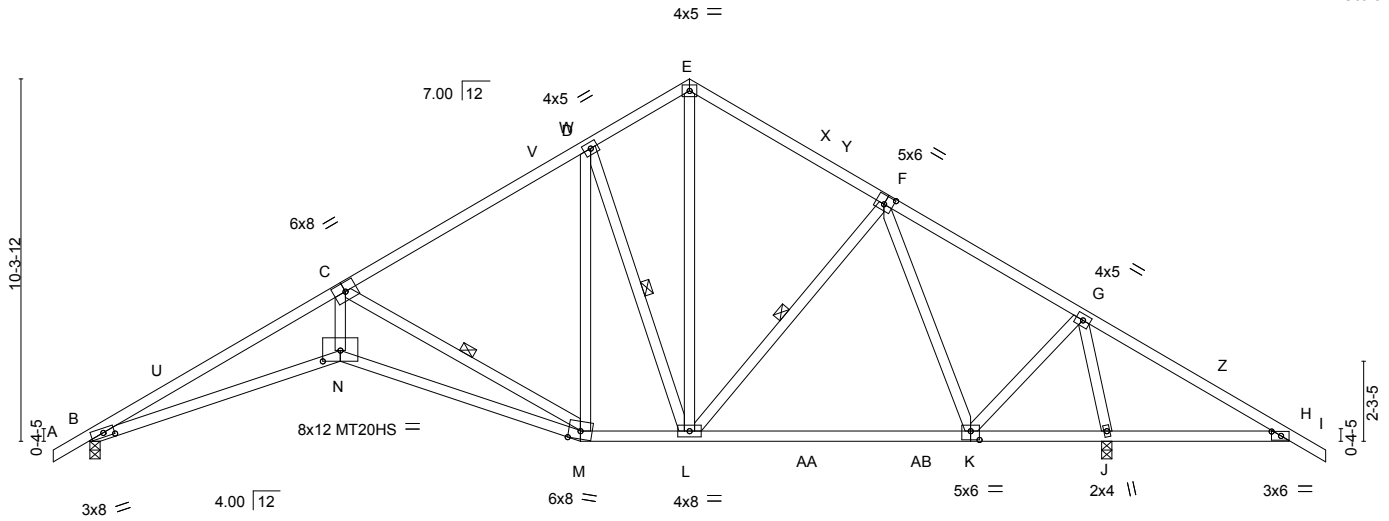


Plate Offsets (X,Y)--	[B:0-3-12,0-1-8], [F:0-3-0,0-3-0], [H:0-3-3,0-1-8], [K:0-3-0,0-3-0], [N:0-6-0,0-3-11]
-----------------------	---

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.53	in (loc) l/defl L/d	MT20 244/190	
Snow (Pf/Pg) 13.9/20.0	Plate Grip DOL 1.00	BC 0.68	Vert(LL) 0.31 N >999 240	MT20HS 187/143	
TCDL 10.0	Lumber DOL 1.15	WB 0.95	Vert(TL) -0.67 M-N >521 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.36 J n/a n/a		
BCDL 10.0	Code IRC2012/TPI2007			Weight: 202 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied or 2-9-15 oc purlins.
BOT CHORD 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 5-7-3 oc bracing.
WEBS 2x4 SP No.3 *Except* D-M,D-L,E-L,F-L: 2x4 SP No.2	WEBS 1 Row at midpt C-M, D-L, F-L

REACTIONS. (lb/size) B=985/0-3-8, J=1425/0-3-8
 Max Horz B=-366(LC 12)
 Max Uplift B=-369(LC 14), J=-493(LC 15)
 Max Grav B=1167(LC 2), J=1688(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-3938/1241, C-D=-1315/417, D-E=-1153/439, E-F=-1114/421, F-G=-800/248, G-H=-551/670
 BOT CHORD B-N=-1232/3772, M-N=-1203/3680, L-M=-219/1098, K-L=-94/762, J-K=-196/449, H-J=-506/594
 WEBS C-N=-689/2467, C-M=-2798/1071, D-M=-145/451, D-L=-775/430, E-L=-354/916, F-K=-609/354, G-K=-298/945, G-J=-1637/697

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-8 to 2-4-7, Interior(1) 2-4-7 to 13-7-13, Exterior(2) 13-7-13 to 20-5-11, Interior(1) 20-5-11 to 31-9-1, Exterior(2) 31-9-1 to 35-2-0 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=1.33
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp C; Fully 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 13.9 psf on overhangs non-concurrent with other live loads.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) B considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=369, J=493.



July 3, 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.

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

Job 18-067825T	Truss T05E	Truss Type GABLE	Qty 1	Ply 1	PINE	133870923
-------------------	---------------	---------------------	----------	----------	------	-----------

BMC (Charles City, VA), Charles City, VA - 23030,

8.220 s May 24 2018 MiTek Industries, Inc. Tue Jul 3 08:02:33 2018 Page 1
 ID:Vbajvng50Ku8OceIc9qhKSz7rCf-c4xECMn8cvkugCq?DNHGIZeSJLRug4nbd5Mdiy2quK



Scale = 1:67.5

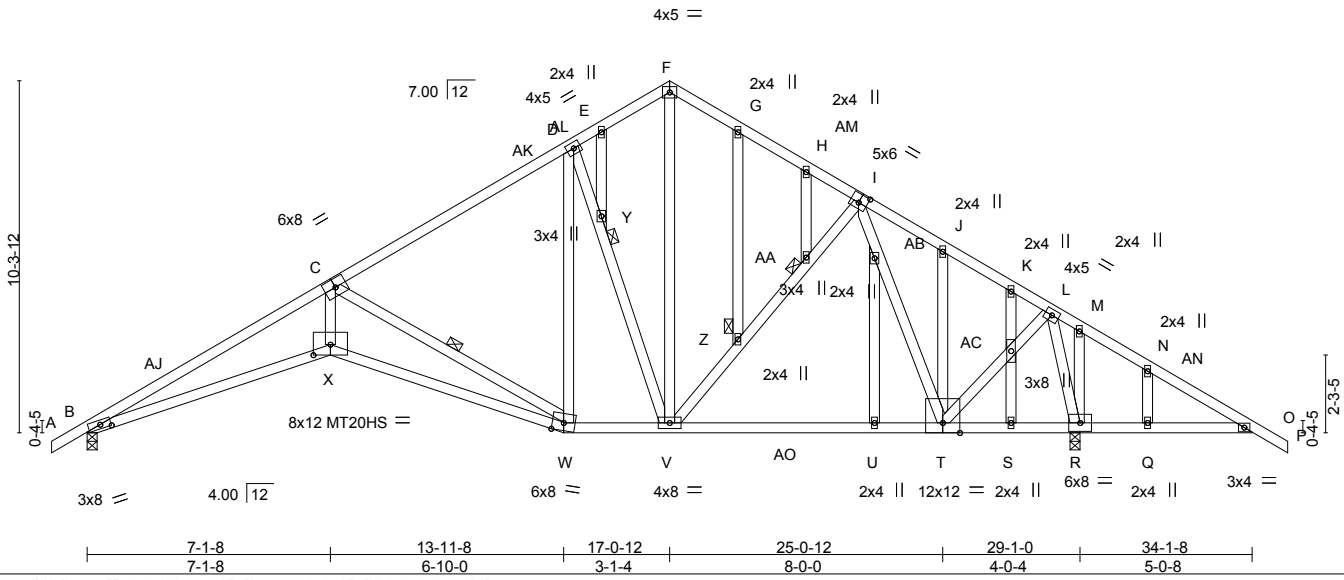


Plate Offsets (X,Y)--	[B:0-3-12,0-1-8], [I:0-3-0,0-3-0], [X:0-6-0,0-3-11]
-----------------------	---

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.48	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 13.9/20.0	Plate Grip DOL 1.00	BC 0.68	Vert(LL) 0.31 X >999 240	MT20HS	187/143
TCDL 10.0	Lumber DOL 1.15	WB 0.95	Vert(TL) -0.67 W-X >521 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.36 R n/a n/a		
BCDL 10.0	Code IRC2012/TPI2007				
				Weight: 247 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied or 2-10-10 oc purlins.
BOT CHORD 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 5-7-3 oc bracing.
WEBS 2x4 SP No.3 *Except*	WEBS 1 Row at midpt C-W
D-W,D-V,F-V,I-V: 2x4 SP No.2	JOINTS 1 Brace at Jt(s): Y, Z, AA
OTHERS 2x4 SP No.3	

REACTIONS. (lb/size) B=987/0-3-8, R=1423/0-3-8
 Max Horz B=366(LC 13)
 Max Uplift B=-369(LC 14), R=-492(LC 15)
 Max Grav B=1169(LC 2), R=1686(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-3931/1242, C-D=-1319/417, D-E=-1165/436, E-F=-1138/439, F-G=-1087/428,
 G-H=-1085/406, H-I=-1092/392, I-J=-832/281, J-K=-783/245, K-L=-750/211,
 L-M=-354/482, M-N=-496/583, N-O=-515/541
 BOT CHORD B-X=-1233/3766, W-X=-1204/3674, V-W=-220/1096, U-V=-84/768, T-U=-84/768,
 S-T=-230/482, R-S=-230/482, Q-R=-453/550, O-Q=-453/550
 WEBS C-X=-690/2462, C-W=-2794/1072, D-W=-136/461, D-Y=-801/435, V-Y=-769/416,
 F-V=-356/917, I-AB=-517/307, T-AB=-574/238, T-AC=-393/1031, L-AC=-381/1014,
 L-R=-1258/370, M-R=-280/272

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-8 to 2-4-7, Interior(1) 2-4-7 to 13-7-13, Exterior(2) 13-7-13 to 20-5-11, Interior(1) 20-5-11 to 31-9-1, Exterior(2) 31-9-1 to 35-2-0 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=1.33
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp C; Fully 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 13.9 psf on overhangs non-concurrent with other live loads.
 - All plates are MT20 plates unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) B considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify continuity of bearing surface.



July 3, 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.

ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job 18-067825T	Truss T05E	Truss Type GABLE	Qty 1	Ply 1	PINE Job Reference (optional)	133870923
-------------------	---------------	---------------------	----------	----------	--------------------------------------	-----------

BMC (Charles City, VA), Charles City, VA - 23030,

8.220 s May 24 2018 MiTek Industries, Inc. Tue Jul 3 08:02:33 2018 Page 2
ID:Vbajvng50Ku8OcelC9qhKSz?rCf-c4xECMn8cvkugCq?DNHGIzeSJLRug4nbd5MdiyZ?quK

NOTES-
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=369, R=492.

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 18-067825T	Truss T06	Truss Type Roof Special	Qty 4	Ply 1	PINE	133870924
-------------------	--------------	----------------------------	----------	----------	------	-----------

BMC (Charles City, VA), Charles City, VA - 23030,

8.220 s May 24 2018 MiTek Industries, Inc. Tue Jul 3 08:02:34 2018 Page 1
 ID:Vbajvng50Ku8OcelC9qhKSz7rCf-4GVdPiomNDsIIMPBm5oVimBaAlmoPX1sk5AFPz?quJ

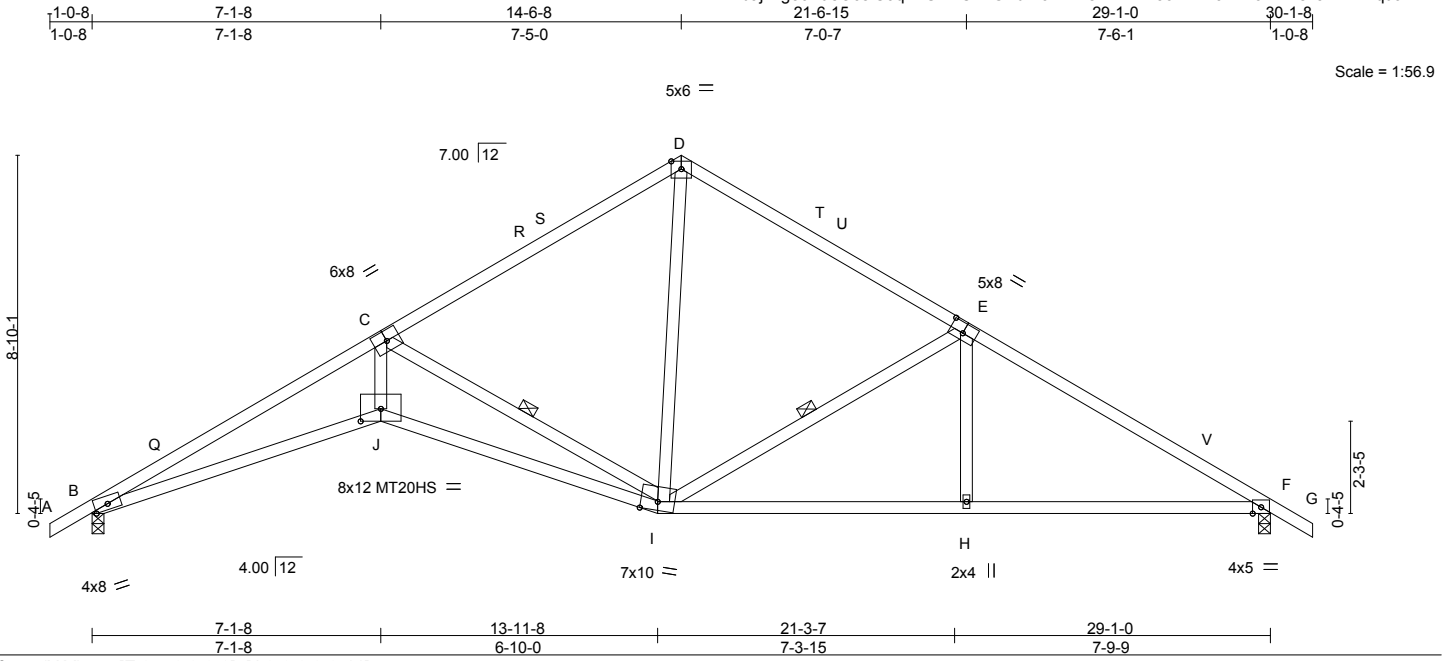


Plate Offsets (X,Y)-- [E:0-4-0,0-3-0], [J:0-6-0,0-3-11]	
LOADING (psf)	SPACING- 2-0-0
TCLL (roof) 20.0	Plate Grip DOL 1.00
Snow (Pf/Pg) 13.9/20.0	Lumber DOL 1.15
TCDL 10.0	Rep Stress Incr YES
BCLL 0.0 *	Code IRC2012/TPI2007
BCDL 10.0	
CSI.	DEFL.
TC 0.66	in (loc) l/defl L/d
BC 0.71	Vert(LL) 0.32 J >999 240
WB 0.95	Vert(TL) -0.71 I-J >492 180
Matrix-MS	Horz(TL) 0.40 F n/a n/a
	PLATES
	MT20 244/190
	MT20HS 187/143
	Weight: 144 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied or 2-9-10 oc purlins.
BOT CHORD 2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS	BOT CHORD Rigid ceiling directly applied or 5-10-4 oc bracing.
WEBS 2x4 SP No.3 *Except*	WEBS 1 Row at midpt C-I, E-I
D-I,E-I: 2x4 SP No.2	

REACTIONS. (lb/size) B=1025/0-3-8, F=1044/0-3-8
 Max Horz B=315(LC 13)
 Max Uplift B=-358(LC 14), F=-366(LC 15)
 Max Grav B=1215(LC 2), F=1237(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-3922/1172, C-D=-1370/454, D-E=-1307/444, E-F=-1809/477
 BOT CHORD B-J=-1136/3683, I-J=-1111/3593, H-I=-241/1470, F-H=-241/1471
 WEBS C-J=-630/2404, C-I=-2785/1053, D-I=-190/891, E-I=-717/375, E-H=0/309

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-8 to 1-11-8, Interior(1) 1-11-8 to 11-6-8, Exterior(2) 11-6-8 to 17-6-8, Interior(1) 17-6-8 to 27-1-8, Exterior(2) 27-1-8 to 30-1-8 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=1.33
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp C; Fully 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 13.9 psf on overhangs non-concurrent with other live loads.
 - 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.
 - Bearing at joint(s) B considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=B) B=358, F=366.

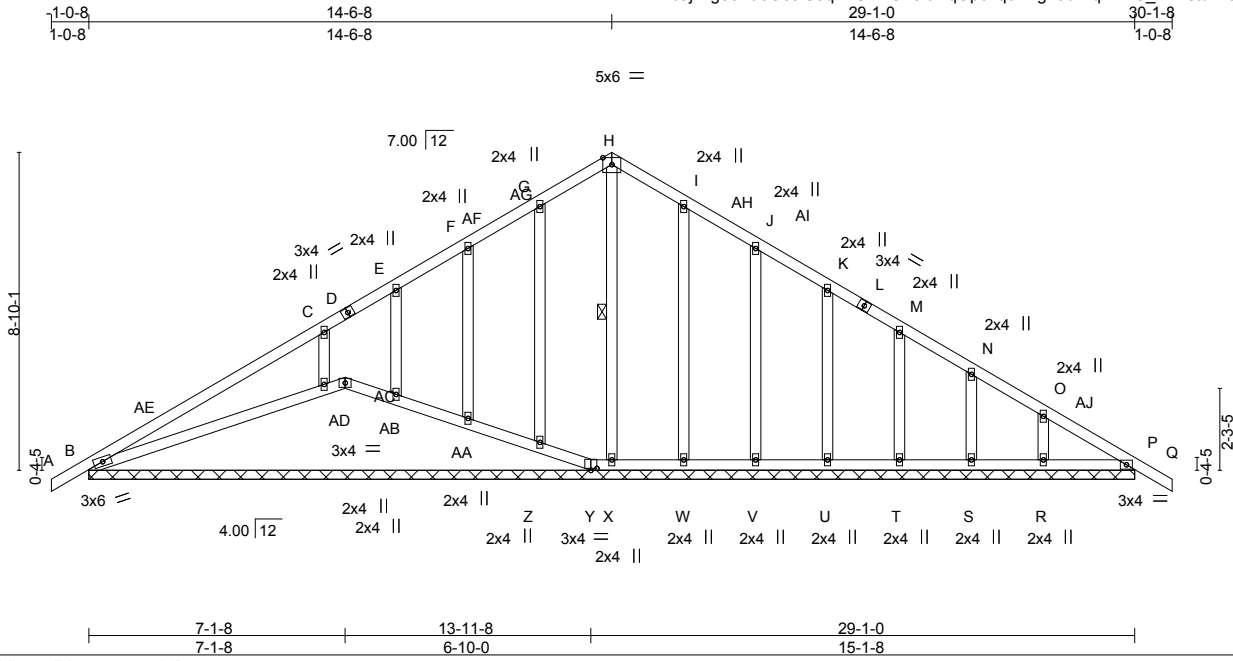


July 3, 2018

Job 18-067825T	Truss T07	Truss Type GABLE	Qty 1	Ply 1	PINE	133870925
-------------------	--------------	---------------------	----------	----------	------	-----------

BMC (Charles City, VA), Charles City, VA - 23030,

8.220 s May 24 2018 MiTek Industries, Inc. Tue Jul 3 08:02:36 2018 Page 1
 ID:Vbajvng50Ku8OcelC9qhKSz?rCf-0fdNqOp0vq6TXgZauWqzNBG_1YYstdn1J2aHJHz?quH



Scale: 3/16"=1'

Plate Offsets (X,Y)-- [Y:0-2.0,0-0-11]											
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	-0.00	P	n/r	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.28	Vert(TL)	-0.00	P	n/r		
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.01	P	n/a		
BCLL	0.0 *	Code	IRC2012/TPI2007	Matrix-S		Wind(LL)	0.00	Q	n/r		
BCDL	10.0									Weight: 173 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP 1650F 1.5E or 2x4 SP No.1 or 2x4 SP SS	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
OTHERS	2x4 SP No.3 *Except*		6-0-0 oc bracing: AC-AD,AB-AC.
	H-X: 2x4 SP No.2	WEBS	1 Row at midpt H-X

REACTIONS. All bearings 29-1-0.
 (lb) - Max Horz B=-316(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) Y, P, X, Z, W, U, T, S except B=-138(LC 15), AC=-321(LC 7),
 AA=-134(LC 14), AD=-344(LC 14), V=-103(LC 15), R=-116(LC 15)
 Max Grav All reactions 250 lb or less at joint(s) AC, Y, P, X, Z, AA, AB, W, V, U, T, S, R except B=297(LC 29),
 AD=812(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD F-G=-198/266, G-H=-248/300, H-I=-249/287
 WEBS C-AD=-534/400

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-8 to 1-11-8, Interior(1) 1-11-8 to 11-6-8, Exterior(2) 11-6-8 to 17-6-8, Interior(1) 17-6-8 to 27-1-8, Exterior(2) 27-1-8 to 30-1-8 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=1.33
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp C; Fully 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 13.9 psf on overhangs non-concurrent with other live loads.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) Y, P, X, Z, W, U, T, S except (jt=lb) B=138, AC=321, AA=134, AD=344, V=103, R=116.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) AC, Z, AA, AB, AD.



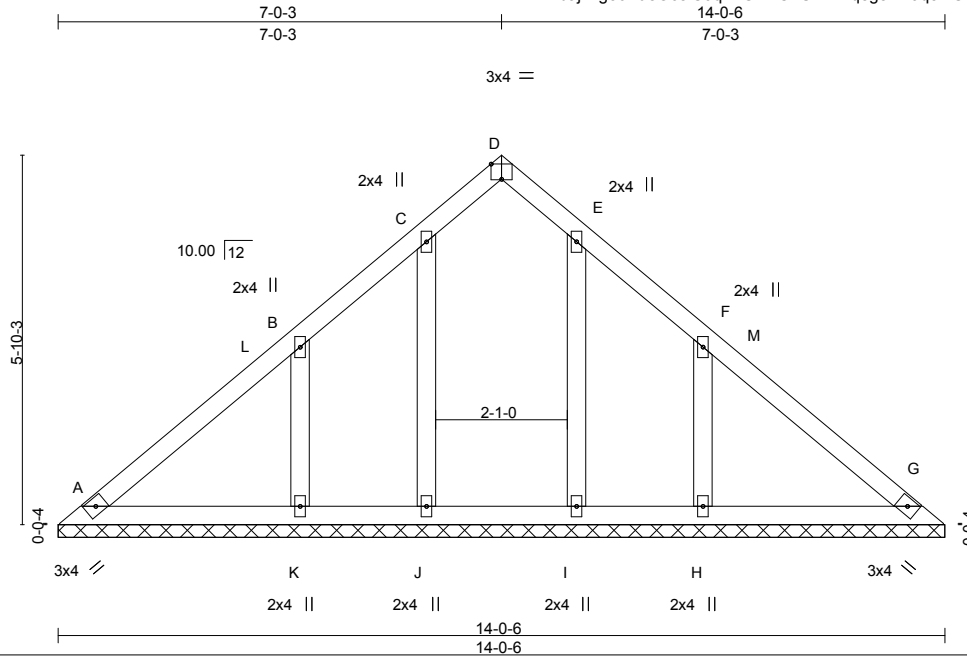
July 3, 2018

Job 18-067825T	Truss V01	Truss Type GABLE	Qty 1	Ply 1	PINE	133870926
-------------------	--------------	---------------------	----------	----------	------	-----------

BMC (Charles City, VA),

Charles City, VA - 23030,

8.220 s May 24 2018 MiTek Industries, Inc. Tue Jul 3 08:02:37 2018 Page 1
 ID:Vbajvng50Ku8OcelC9qhKSz?rCf-UrBI1kqeg8EK9q8mSDLCvPpD9yx6c5KBYiKrrkz?quG



Scale = 1:36.5

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.17	Vert(LL)	n/a	-	n/a	MT20	244/190
Snow (Pf/Pg) 13.9/20.0	Plate Grip DOL 1.00	BC 0.09	Vert(TL)	n/a	-	n/a		
TCDL 10.0	Lumber DOL 1.15	WB 0.08	Horz(TL)	0.00	G	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S						
BCDL 10.0	Code IRC2012/TPI2007						Weight: 67 lb	FT = 20%

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

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

REACTIONS. All bearings 14-0-6.
 (lb) - Max Horz A=-191(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) J, I except K=-249(LC 12), H=-252(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) A, G, J, I except K=325(LC 23), H=328(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-K=-323/272, F-H=-323/275

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 3-9-15, Exterior(2) 3-9-15 to 10-2-7, Interior(1) 10-2-7 to 10-7-9, Exterior(2) 10-7-9 to 13-7-9 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=1.33
 - 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp C; Fully Exp.; Ct=1.10
 - 4) Gable requires continuous bottom chord bearing.
 - 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, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) J, I except (jt=lb) K=249, H=252.



July 3, 2018

Job 18-067825T	Truss V02	Truss Type Valley	Qty 1	Ply 1	PINE	133870927
-------------------	--------------	----------------------	----------	----------	------	-----------

BMC (Charles City, VA),

Charles City, VA - 23030,

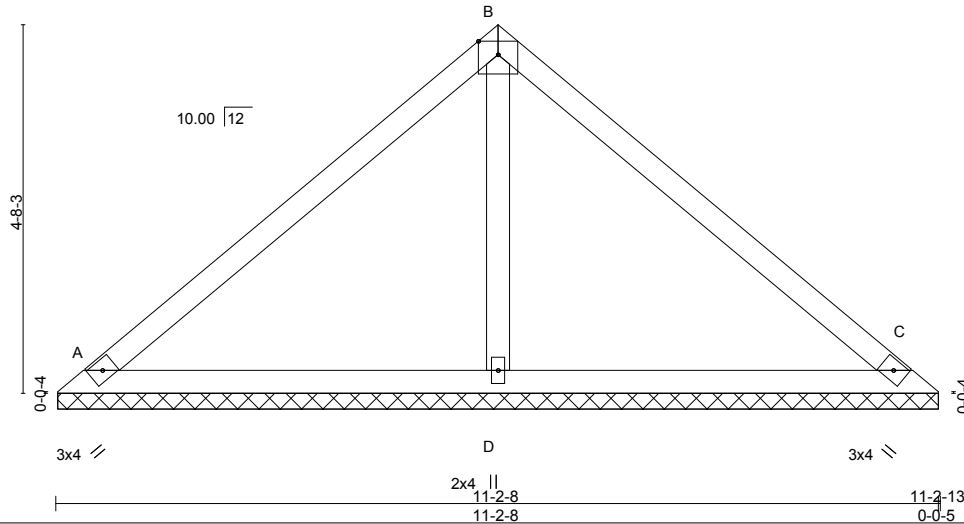
8.220 s May 24 2018 MiTek Industries, Inc. Tue Jul 3 08:02:38 2018 Page 1

ID:Vbajvng50Ku8OcelC9qhKSz?rCf-z2I7F4rHRRMBnzjy?wsRSclKFMETLYPKnM3OOAz?quF



5x6 =

Scale = 1:29.3



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.40	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 13.9/20.0	Plate Grip DOL 1.00	BC 0.27	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.09	Vert(TL) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(TL) 0.00 C n/a n/a		
BCDL 10.0	Code IRC2012/TPI2007			Weight: 43 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=184/11-2-3, C=184/11-2-3, D=338/11-2-3
Max Horz A=-151(LC 8)
Max Uplift A=-75(LC 13), C=-93(LC 13), D=-63(LC 12)
Max Grav A=221(LC 2), C=221(LC 2), D=393(LC 2)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp C; Fully Exp.; Ct=1.10
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C, D.



July 3, 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 18-067825T	Truss V03	Truss Type Valley	Qty 1	Ply 1	PINE	133870928
-------------------	--------------	----------------------	----------	----------	------	-----------

BMC (Charles City, VA),

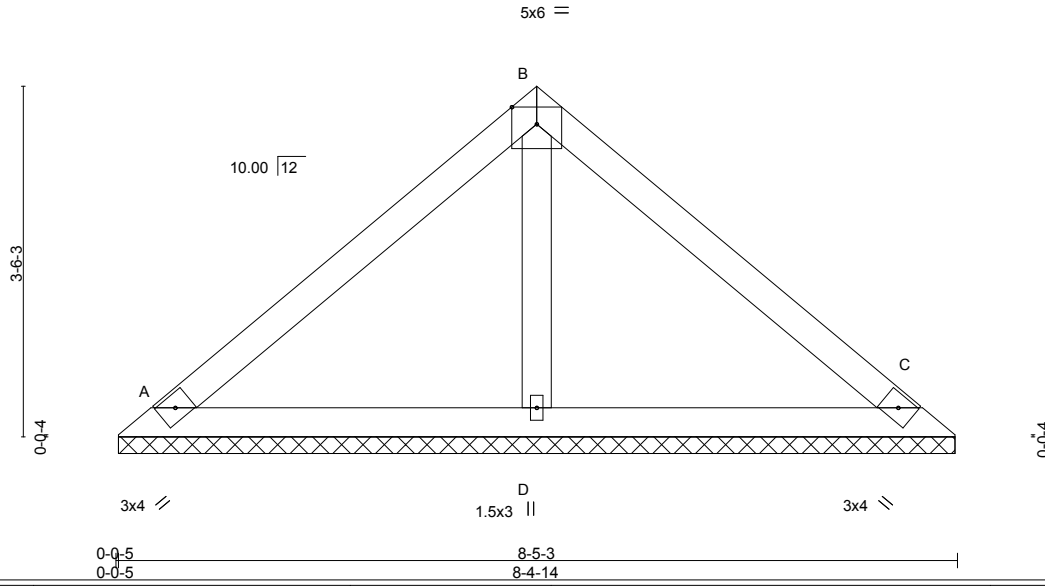
Charles City, VA - 23030,

8.220 s May 24 2018 MiTek Industries, Inc. Tue Jul 3 08:02:39 2018 Page 1

ID:Vbajvng50Ku8OceIC9qhKSz7rCf-REIWSQsvCIU2O7I9ZeNh?quWBMch40RU00pxwcz?quE



Scale = 1:23.1



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.33	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 13.9/20.0	Plate Grip DOL 1.00	BC 0.15	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.04	Vert(TL) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P	Horz(TL) 0.00 C n/a n/a		
BCDL 10.0	Code IRC2012/TPI2007			Weight: 32 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=145/8-4-10, C=145/8-4-10, D=226/8-4-10
Max Horz A=110(LC 9)
Max Uplift A=-70(LC 13), C=-84(LC 13), D=-15(LC 12)
Max Grav A=175(LC 2), C=175(LC 2), D=260(LC 2)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp C; Fully Exp.; Ct=1.10
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C, D.



July 3, 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 18-067825T	Truss V04	Truss Type Valley	Qty 1	Ply 1	PINE	133870929
-------------------	--------------	----------------------	----------	----------	------	-----------

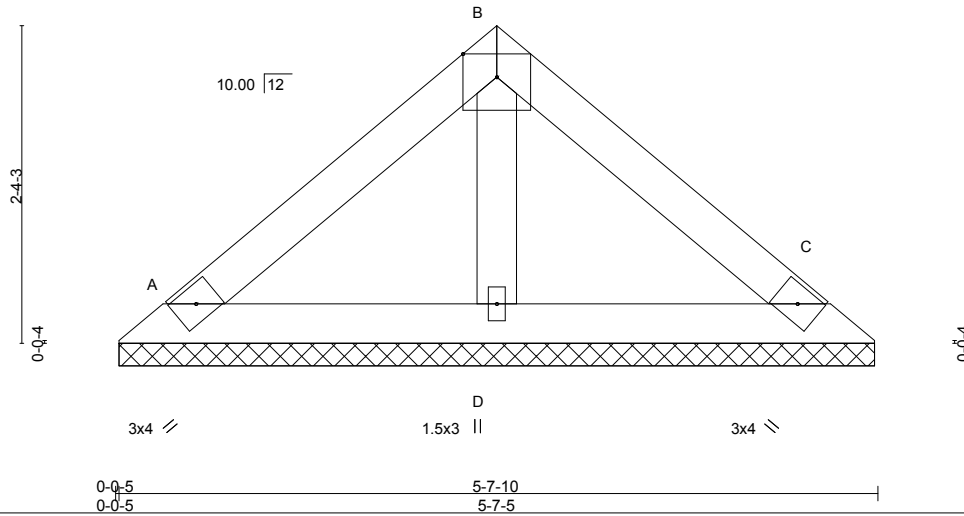
BMC (Charles City, VA), Charles City, VA - 23030,

8.220 s May 24 2018 MiTek Industries, Inc. Tue Jul 3 08:02:40 2018 Page 1
ID:Vbajvng50Ku8OcelC9qhKSz?rCf-vQsugmsXz3cv0HsL7LvwX1RI59_IpT0dEgYVSz2?quD



5x6 =

Scale = 1:17.0



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 20.0	2-0-0	TC 0.12	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 13.9/20.0	Plate Grip DOL 1.00	BC 0.06	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.02	Vert(TL) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P	Horz(TL) 0.00 C n/a n/a		
BCDL 10.0	Code IRC2012/TPI2007			Weight: 20 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=92/5-7-0, C=92/5-7-0, D=143/5-7-0
Max Horz A=-70(LC 8)
Max Uplift A=-44(LC 13), C=-53(LC 13), D=-10(LC 12)
Max Grav A=111(LC 2), C=111(LC 2), D=165(LC 2)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp C; Fully Exp.; Ct=1.10
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C, D.



July 3, 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.



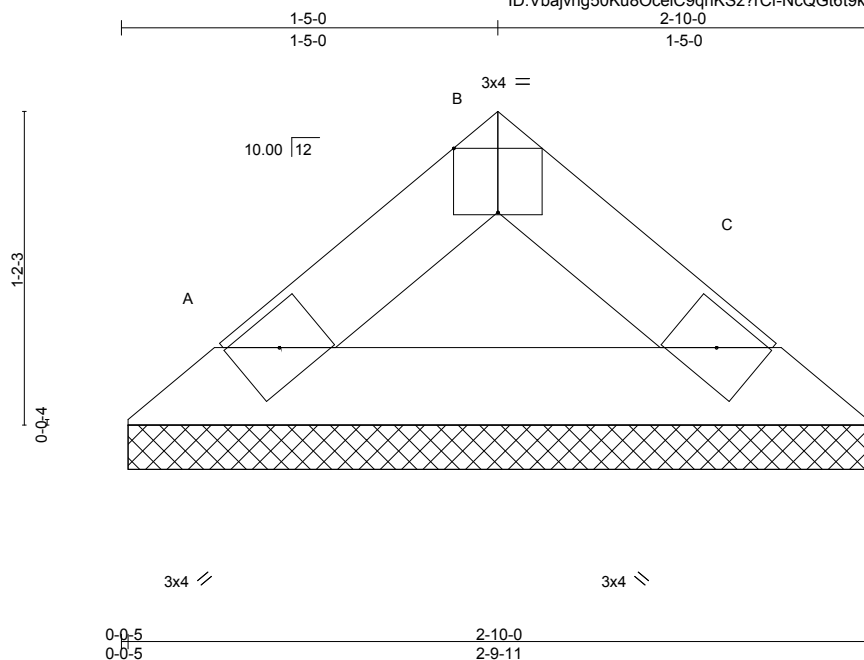
818 Soundside Road
Edenton, NC 27932

Job 18-067825T	Truss V05	Truss Type Valley	Qty 1	Ply 1	PINE	133870930
-------------------	--------------	----------------------	----------	----------	------	-----------

BMC (Charles City, VA),

Charles City, VA - 23030,

8.220 s May 24 2018 MiTek Industries, Inc. Tue Jul 3 08:02:41 2018 Page 1
ID:Vbajvng50Ku8OcelC9qhKSz?rCf-NcQGt6t9kMlmeRRXh3Q94FzxQZKkYwbnTKI2_Vz?quC



Scale = 1:8.7

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 20.0	Plate Grip DOL 1.00	TC 0.02	Vert(LL) n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg) 13.9/20.0	Lumber DOL 1.15	BC 0.05	Vert(TL) n/a	-	n/a	999		
TCDL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL) 0.00	C	n/a	n/a		
BCLL 0.0 *	Code IRC2012/TPI2007	Matrix-P						
BCDL 10.0							Weight: 8 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=69/2-9-6, C=69/2-9-6
Max Horz A=-29(LC 8)
Max Uplift A=-21(LC 12), C=-21(LC 13)
Max Grav A=81(LC 2), C=81(LC 2)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp C; Fully Exp.; Ct=1.10
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C.



July 3, 2018

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

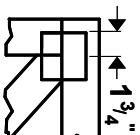
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

ENGINEERING BY
TRENCO
A MiTek Affiliate

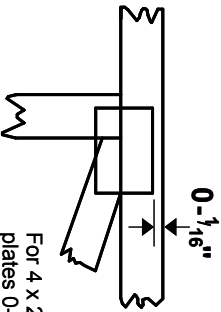
818 Soundside Road
Edenton, NC 27932

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



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

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

PLATE SIZE

4 X 4

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

LATERAL BRACING LOCATION



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

BEARING



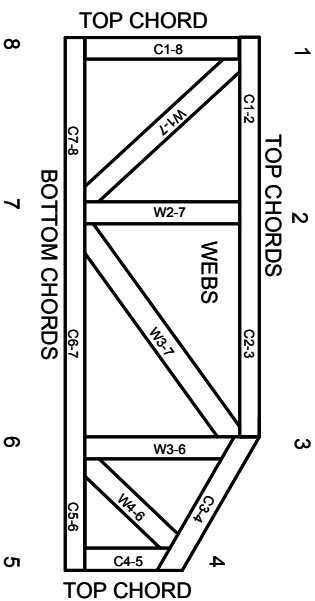
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP11: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

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



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

Lumber design values are in accordance with ANSI/TP1 section 6.3. These truss designs rely on lumber values established by others.

© 2012 MITek® All Rights Reserved



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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor-I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 1 Quality Criteria.