ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: CL3067_W_CP
CL-3067

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Components - #2383.

Pages or sheets covered by this seal: I27452157 thru I27452180

My license renewal date for the state of North Carolina is December 31, 2016.

North Carolina COA: C-0844

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

August 9,2016

Komnick, Chad

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdictions(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to TRENCO. Any project specific information included is for TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of the design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	M1	Monopitch	7	1	I27452157
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:31 2016 Page 1
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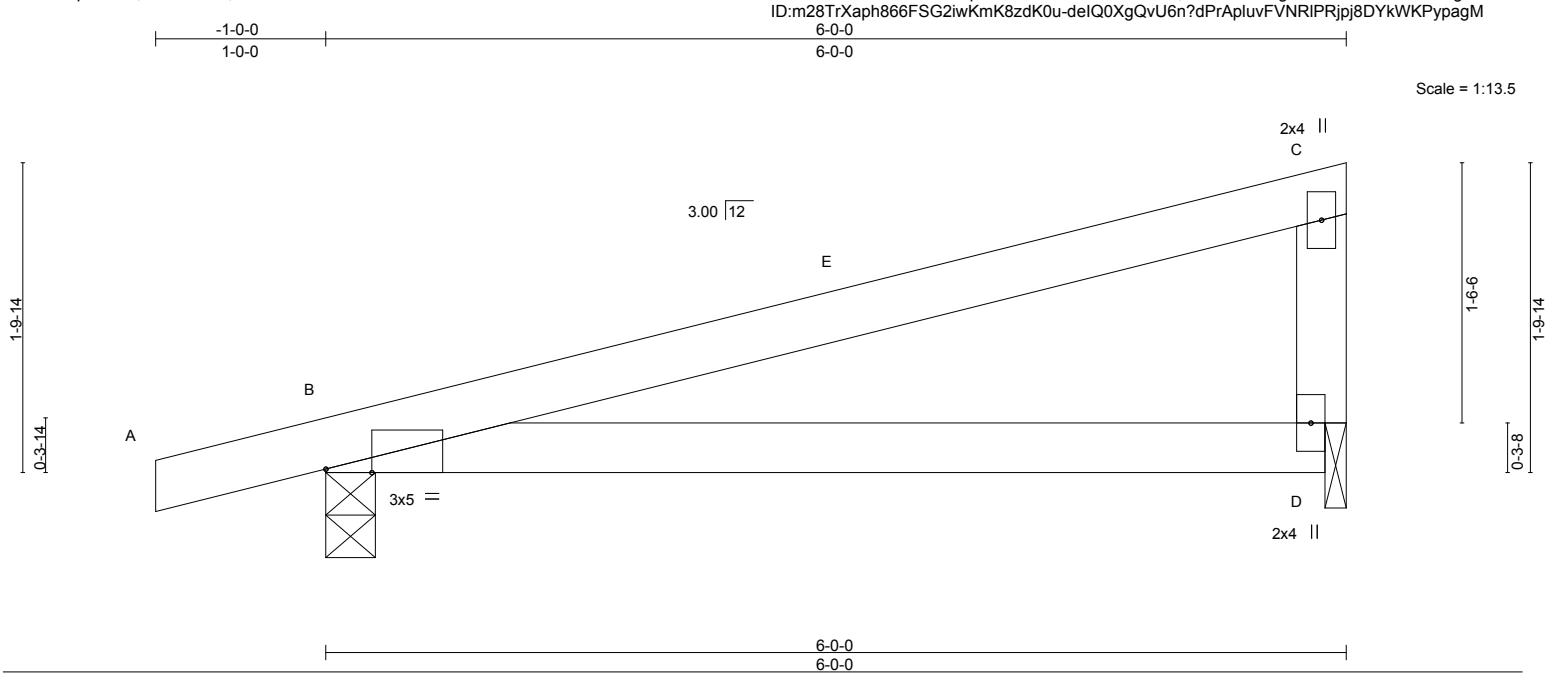

Plate Offsets (X,Y)-- [B:0-3-4,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.06	B-D	>999	240	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.41	Vert(TL)	-0.16	B-D	>430	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	D	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S							Weight: 21 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. (lb/size) B=304/0-3-8, D=221/0-1-8
Max Horz B=51(LC 9)
Max Uplift B=-51(LC 8), D=-19(LC 12)
Max Grav B=309(LC 19), D=239(LC 19)

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

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other 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) Bearing at joint(s) D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) D.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint B and 19 lb uplift at joint D.

August 9,2016

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Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	M1A	Monopitch	3	1	I27452158
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:31 2016 Page 1
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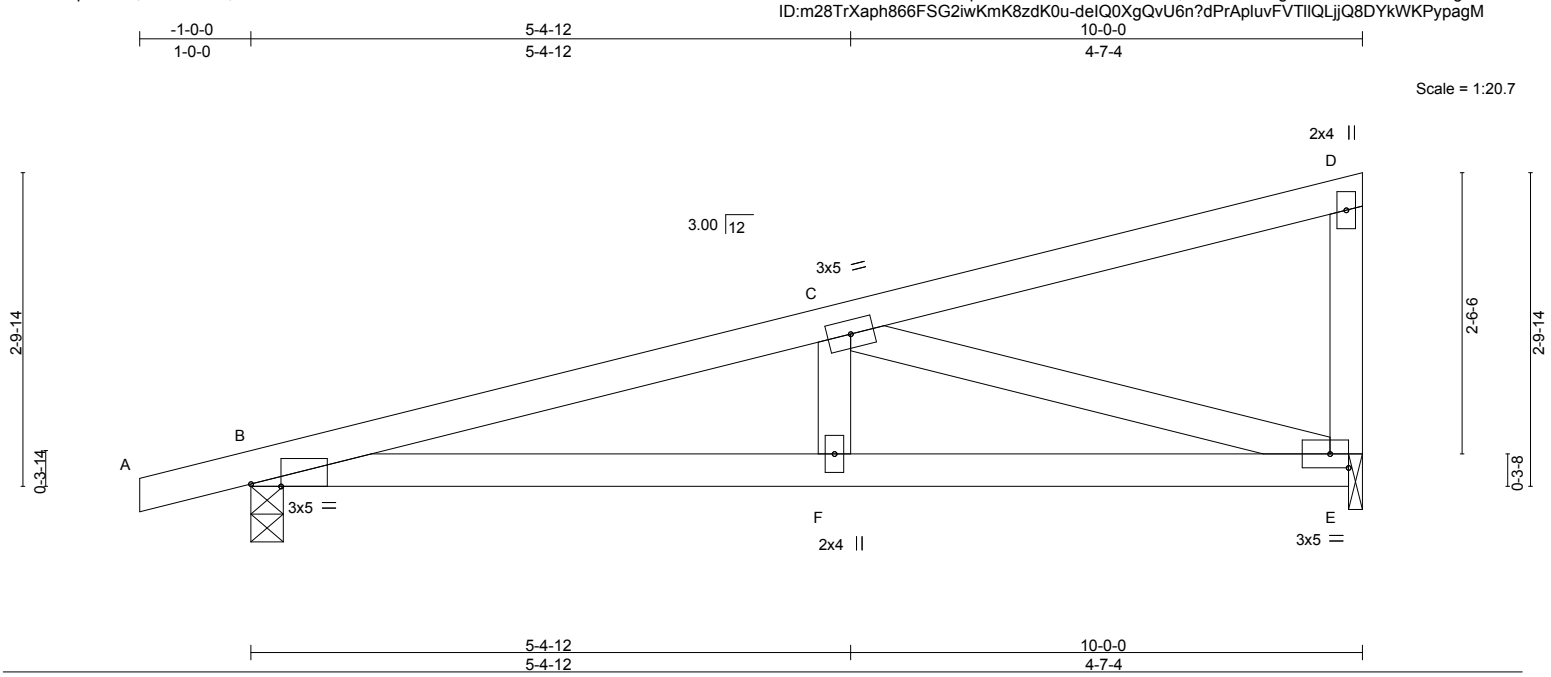

Plate Offsets (X,Y)-- [B:0-3-4,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	-0.03	B-F	>999	240	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.36	Vert(TL)	-0.08	B-F	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.40	Horz(TL)	0.02	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S								
BCDL	10.0										Weight: 43 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) B=461/0-3-8, E=384/0-1-8
Max Horz B=83(LC 9)
Max Uplift B=-60(LC 8), E=-34(LC 12)
Max Grav B=477(LC 19), E=435(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-940/146
BOT CHORD B-F=-135/876, E-F=-135/876
WEBS C-E=-881/172

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other 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) Bearing at joint(s) E considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) E.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 60 lb uplift at joint B and 34 lb uplift at joint E.

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Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	PB1	Piggyback	10	1	I27452159
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:32 2016 Page 1
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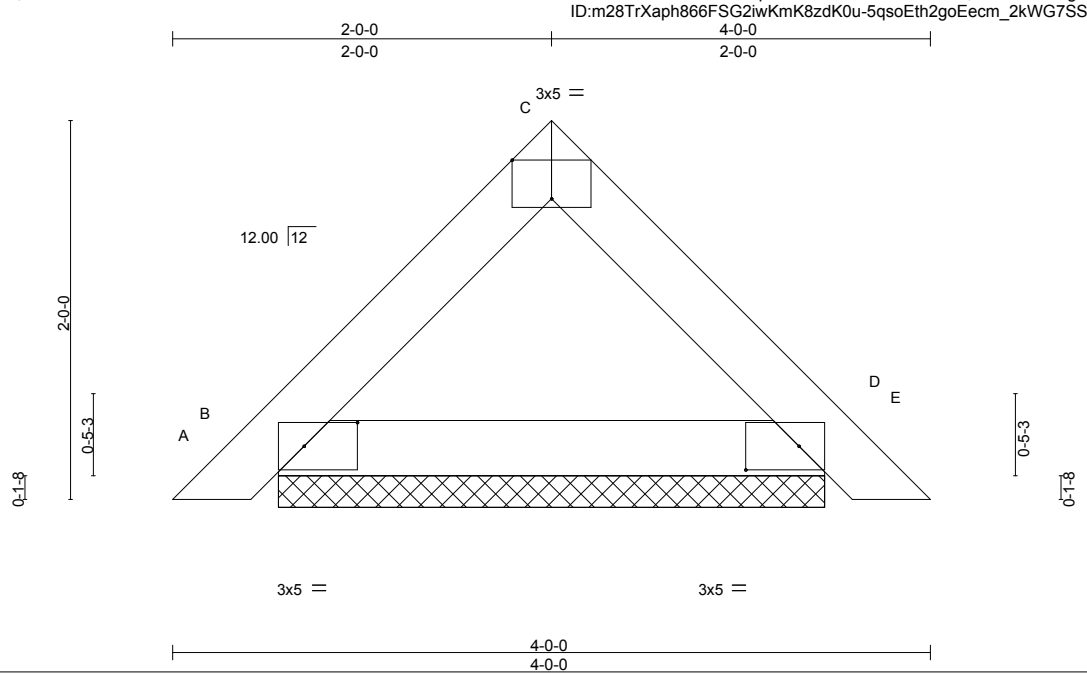

Plate Offsets (X,Y)-- [B:0-3-6,0-1-8], [C:0-2-8,Edge], [D:0-3-6,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	-0.00	D	n/r	120	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.10	Vert(TL)	-0.00	D	n/r	90		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	D	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S							Weight: 13 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. (lb/size) B=136/2-10-10, D=136/2-10-10
Max Horz B=-35(LC 8)
Max Uplift B=-4(LC 10), D=-4(LC 11)

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

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4 lb uplift at joint B and 4 lb uplift at joint D.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	T1	COMMON	5	1	I27452160
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:32 2016 Page 1
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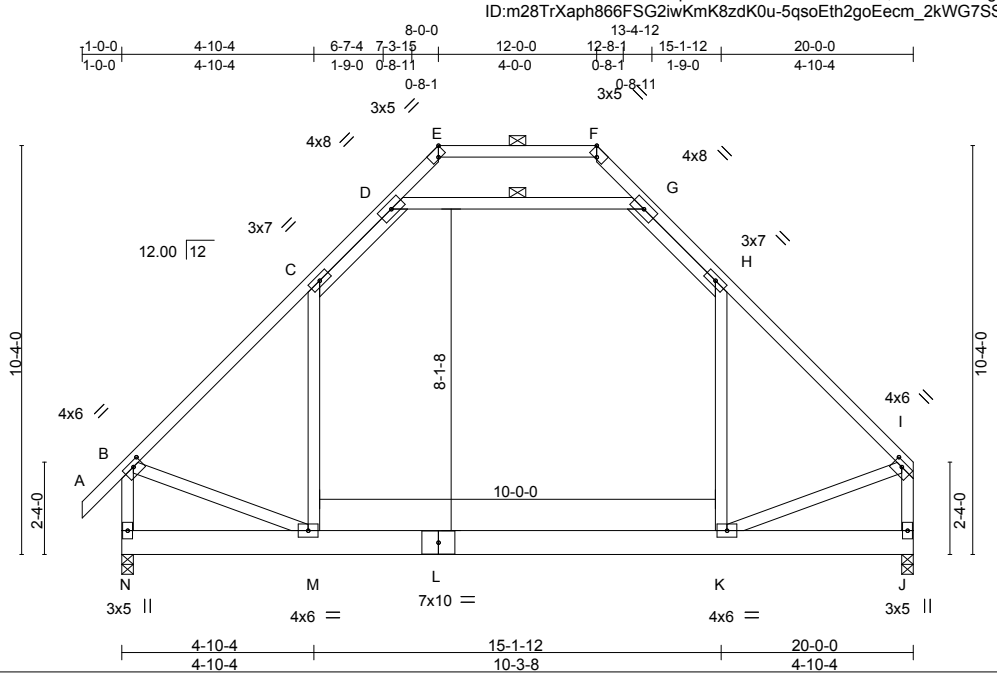

Scale = 1:58.2

Plate Offsets (X,Y)-- [B:0-2-12,0-1-8], [E:0-2-8,Edge], [F:0-2-8,Edge], [I:0-2-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.22	K-M	>999	240	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.44	Vert(TL)	-0.43	K-M	>551	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.59	Horz(TL)	0.01	J	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S		Attic	-0.13	K-M	959	360	Weight: 161 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* A-E,F-I: 2x4 SP SS
BOT CHORD 2x8 SP SS
WEBS 2x4 SP No.3 *Except* C-M,H-K: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): E-F.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt D-G

REACTIONS. (lb/size) N=1096/0-3-8, J=1023/0-3-8
Max Horz N=224(LC 7)
Max Grav N=1294(LC 2), J=1233(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1264/0, C-D=-758/50, D-E=-30/327, E-F=0/516, F-G=-33/325, G-H=-760/52, H-I=-1254/0, B-N=-1340/0, I-J=-1284/0
BOT CHORD M-N=-208/266, K-M=0/812
WEBS C-M=-34/461, H-K=-39/445, B-M=0/795, I-K=0/809, D-G=-1213/6

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
4) Provide adequate drainage to prevent water ponding.
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) Ceiling dead load (5.0 psf) on member(s). C-D, G-H, D-G; Wall dead load (10.0psf) on member(s).C-M, H-K
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. K-M
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

August 9,2016

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	T1A	COMMON	5	1	I27452161
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:33 2016 Page 1
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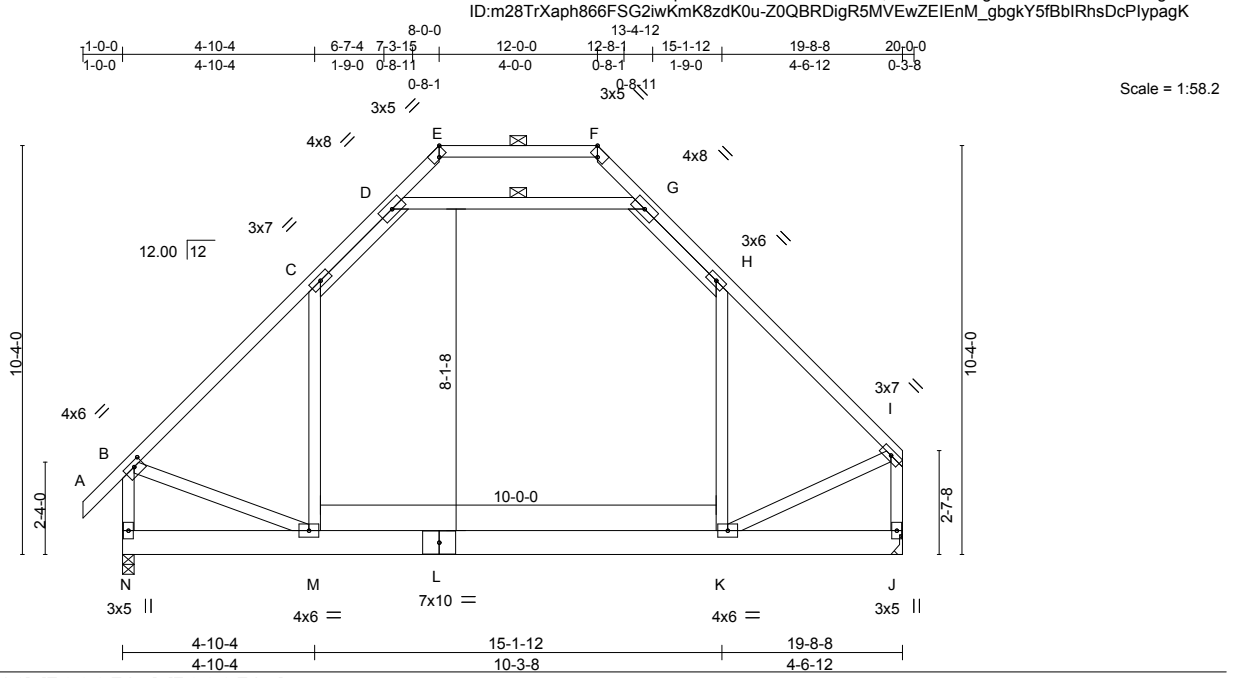

Plate Offsets (X,Y)-- [B:0-2-12,0-1-8], [E:0-2-8,Edge], [F:0-2-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.21	K-M	>999	240	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.43	Vert(TL)	-0.41	K-M	>567	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.01	J	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S		Attic	-0.13	K-M	974	360	Weight: 159 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* A-E,F-I: 2x4 SP SS
BOT CHORD 2x8 SP SS
WEBS 2x4 SP No.3 *Except* C-M,H-K: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-9 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): E-F.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt D-G

REACTIONS. (lb/size) N=1080/0-3-8, J=1015/Mechanical
Max Horz N=227(LC 7)
Max Grav N=1276(LC 2), J=1231(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1230/0, C-D=-741/52, D-E=-49/309, E-F=0/491, F-G=-51/307, G-H=-744/53, H-I=-1215/0, B-N=-1305/0, I-J=-1320/0
BOT CHORD M-N=-211/266, K-M=0/789
WEBS C-M=-40/440, H-K=-41/430, B-M=0/769, I-K=0/829, D-G=-1160/8

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
4) Provide adequate drainage to prevent water ponding.
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) Ceiling dead load (5.0 psf) on member(s). C-D, G-H, D-G; Wall dead load (10.0psf) on member(s).C-M, H-K
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. K-M
9) Refer to girder(s) for truss to truss connections.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

August 9,2016

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	T1GE	Common Supported Gable	1	1	I27452162
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:34 2016 Page 1
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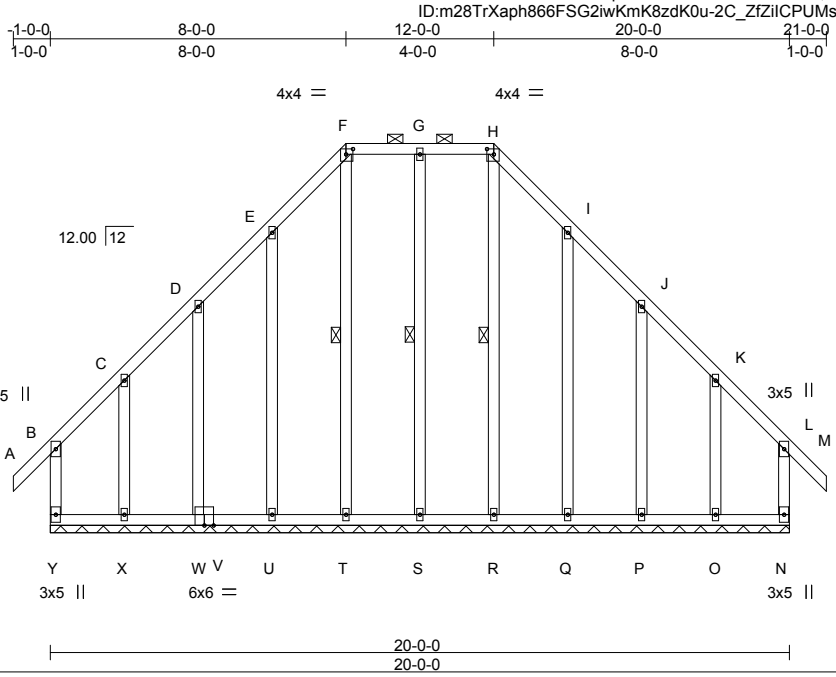


Plate Offsets (X,Y)-- [F:0-2-4,0-1-12], [H:0-2-4,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.00	L	n/r	120	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.20	Vert(TL)	0.00	L	n/r	90		
TCDL	10.0	Rep Stress Incr	YES	WB	0.17	Horz(TL)	-0.00	N	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S							Weight: 175 lb	FT = 20%
BCDL	10.0											

LUMBER-

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

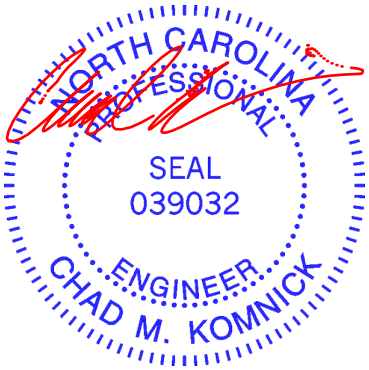
BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): F-H.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt H-R, G-S, F-T

REACTIONS. All bearings 20-0-0.
(lb) - Max Horz Y=-235(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) S, U, W, Q, P except Y=-195(LC 6), N=-187(LC 7), X=-189(LC 7), O=-183(LC 6)
Max Grav All reactions 250 lb or less at joint(s) R, S, T, U, W, Q, P except Y=270(LC 19), N=263(LC 18), X=298(LC 8), O=292(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD D-E=-185/291, E-F=-254/368, F-G=-193/285, G-H=-193/285, H-I=-254/368, I-J=-185/291

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) S, U, W, Q, P except (jt=lb) Y=195, N=187, X=189, O=183.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



August 9,2016

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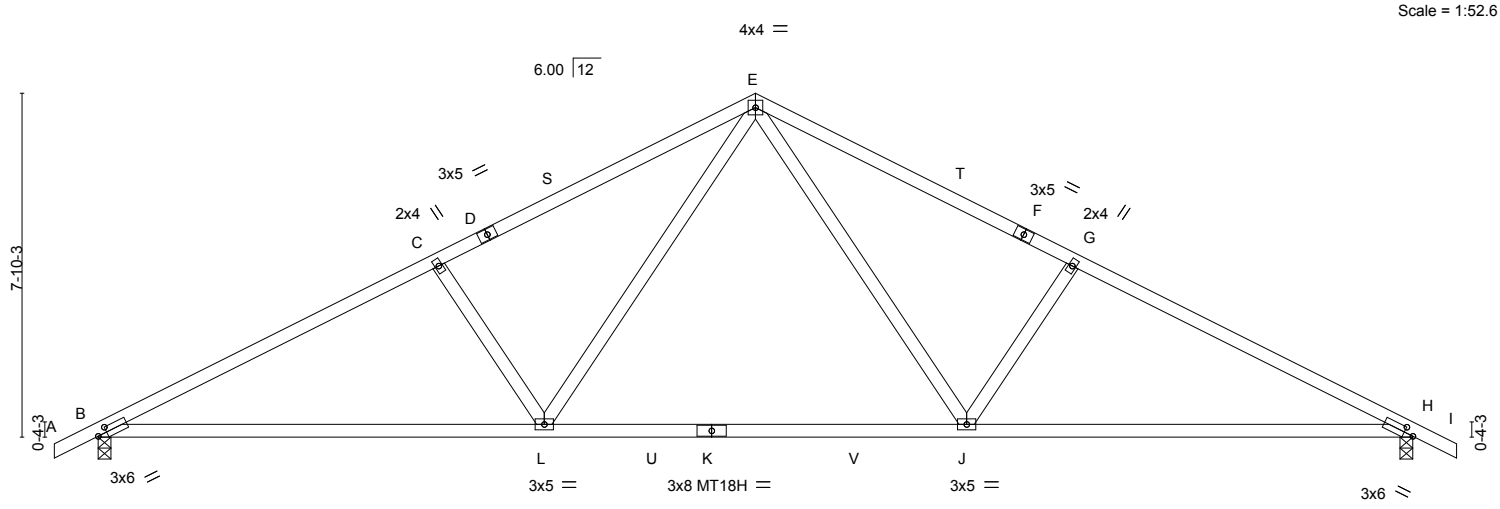
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	T2	COMMON	4	1	I27452163
					Job Reference (optional)

84 Components, Dunn, NC 28334 — 8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:35 2016 Page 1
ID:m28TrXaph866FSG2iwKmK8zdK0u-WPYxsujwzjcDTEjdPfqq35g?vMf0fZ5k8AijTAypagI

1-0-0	7-9-4	15-0-0	22-2-12	30-0-0	31-0-0
1-0-0	7-9-4	7-2-12	7-2-12	7-9-4	1-0-0

Scale = 1:52.6



10-2-3	19-9-13	30-0-0
10-2-3	9-7-11	10-2-3

Plate Offsets (X,Y)-- [B:0-2-9,0-1-8], [H:0-2-9,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	-0.38	J-L	>937	240	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.95	Vert(TL)	-0.67	J-L	>536	180	MT18H	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.30	Horz(TL)	0.09	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-MS							Weight: 137 lb	FT = 20%
BCDL	10.0											

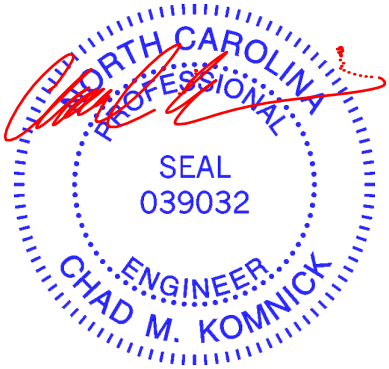
LUMBER-
TOP CHORD 2x4 SP No.1 *Except* A-D,F-I: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) B=1260/0-3-8, H=1260/0-3-8
Max Horz B=105(LC 12)
Max Uplift B=-48(LC 12), H=-48(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2012/287, C-E=-1776/304, E-G=-1776/304, G-H=-2012/287
BOT CHORD B-L=-145/1718, J-L=0/1145, H-J=-145/1718
WEBS E-J=-67/713, G-J=-467/205, E-L=-67/713, C-L=-467/205

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, H.



August 9,2016

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	T2A	Common	2	1	I27452164
					Job Reference (optional)

84 Components, Dunn, NC 28334

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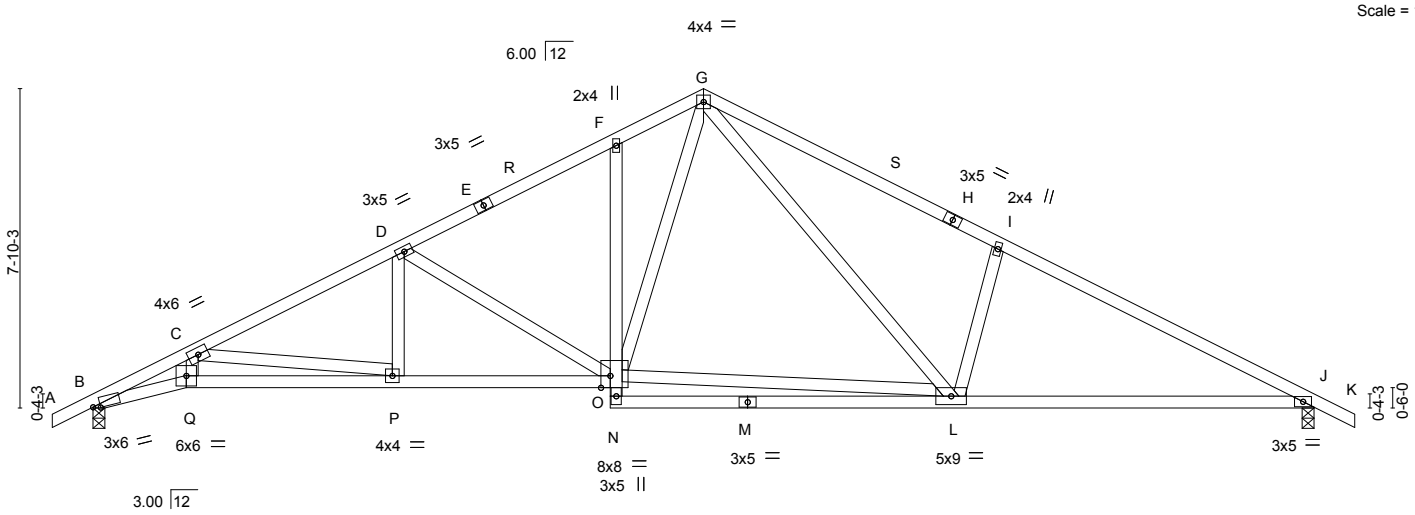
ID:m28TrXaph866FSG2iwKmK8zdK0u-_b5J3EkYk0k45OlpzML3clDAEm?AOxvuNqRH?dypagH

1-0-0 2-3-8 7-6-0 12-8-8 15-0-0 22-2-12 30-0-0 31-0-0
1-0-0 2-3-8 5-2-8 5-2-8 2-3-8 7-2-12 7-9-4 1-0-0

Scale = 1:56.6



2-3-8 7-6-0 12-8-8 21-1-0 30-0-0
2-3-8 5-2-8 5-2-8 8-4-8 8-11-0

Plate Offsets (X,Y)-- [B:0-2-3,0-0-10], [O:0-2-12,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.16	J-L	>999	240	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.95	Vert(TL)	-0.48	J-L	>750	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.19	J	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S							Weight: 171 lb	FT = 6%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* G-H: 2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except* C-Q,F-N: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) J=1257/0-3-8, B=1257/0-3-8
Max Horz B=105(LC 12)
Max Uplift J=-48(LC 13), B=-48(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-3489/354, C-D=-2342/285, D-F=-1706/265, F-G=-1622/317, G-I=-2007/355, I-J=-2125/271
BOT CHORD C-Q=-7/696, P-Q=-296/3170, O-P=-137/2063, F-O=-293/100, L-N=0/284, J-L=-137/1811, B-Q=-262/3059
WEBS C-P=-1119/160, D-P=0/375, D-O=-718/130, L-O=-16/938, G-O=-98/870, G-L=-132/800, I-L=-484/222

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) J, B.

August 9,2016

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

ENGINEERING BY
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	T2B	COMMON	2	1	I27452165
					Job Reference (optional)

84 Components, Dunn, NC 28334

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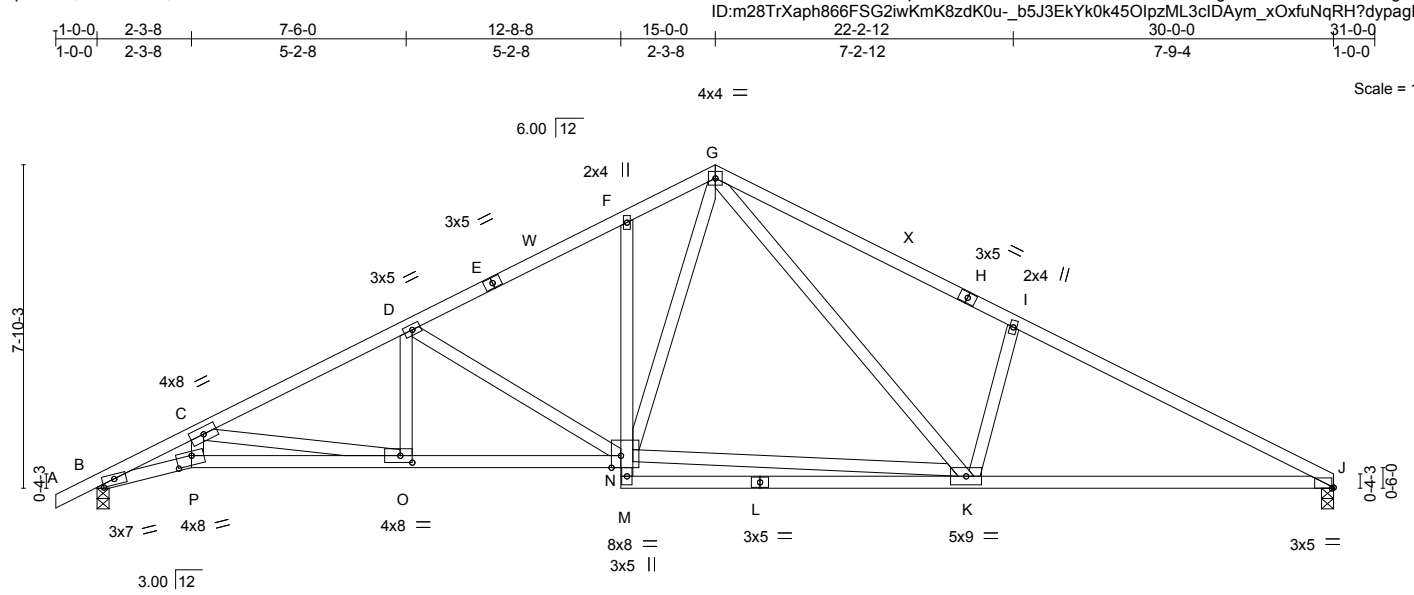

Plate Offsets (X,Y)-- [B:0-3-8,0-1-11], [J:0-0-8,Edge], [N:0-2-12,Edge], [O:0-3-8,0-2-0], [P:0-4-8,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.16	K-M	>999	240	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.97	Vert(TL)	-0.49	K-M	>734	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.60	Horz(TL)	0.18	J	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-MS							Weight: 169 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* G-H: 2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except* C-P,F-M: 2x4 SP No.3
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 2-2-0 oc bracing.

REACTIONS. (lb/size) J=1208/0-3-8, B=1252/0-3-8
Max Horz B=111(LC 16)
Max Uplift J=-34(LC 13), B=-47(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-3390/381, C-D=-2335/292, D-F=-1694/268, F-G=-1607/317, G-I=-1940/349, I-J=-2055/270
BOT CHORD C-P=-9/584, O-P=-352/3186, N-O=-170/2056, F-N=-275/98, K-M=0/298, J-K=-157/1755, B-P=-313/3015
WEBS C-O=-1143/184, D-O=0/377, D-N=-718/135, K-N=-41/913, G-N=-97/854, G-K=-122/738, I-K=-466/212

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other 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) 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) J, B.

August 9,2016

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TRENCO
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Edenton, NC 27932

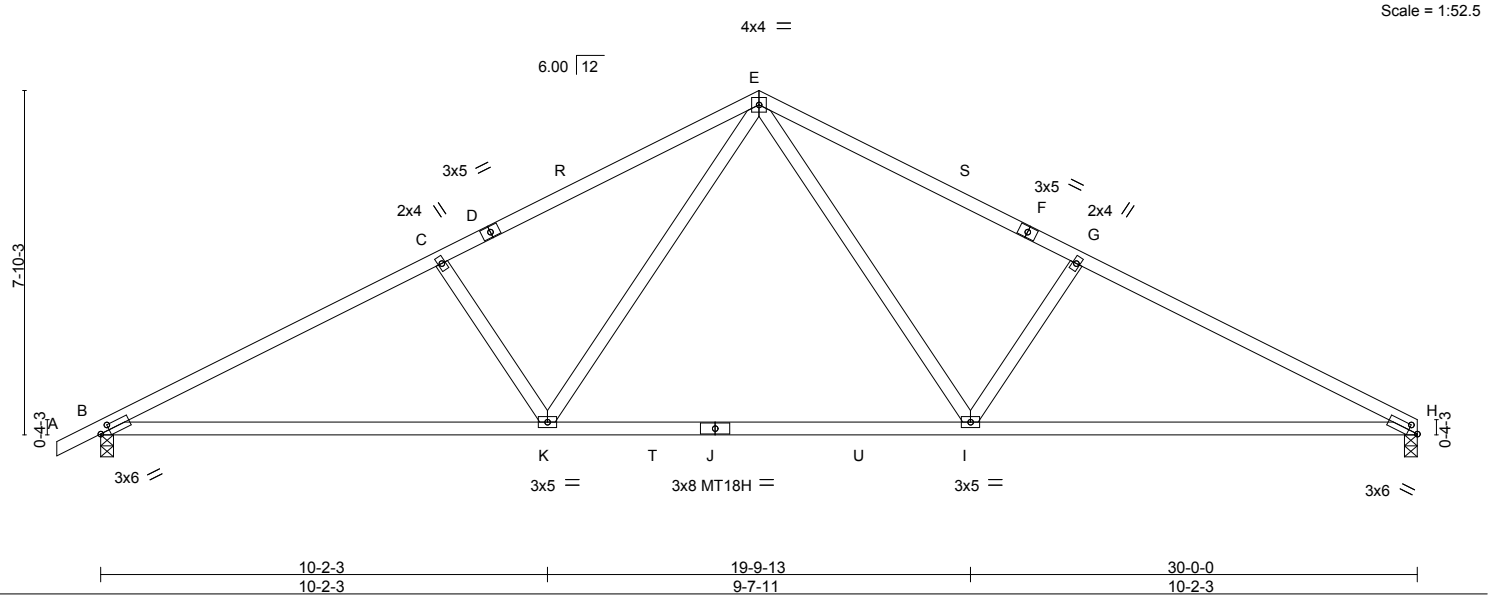
Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	T2C	COMMON	1	1	I27452166
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:37 2016 Page 1
ID:m28TrXaph866FSG2iwKmK8zdK0u-SnfhHalBVKsxjYs?X4sI9WILOAKT7Tb1cUBqY3ypagG

1-0-0 | 7-9-4 | 15-0-0 | 22-2-12 | 30-0-0
1-0-0 | 7-9-4 | 7-2-12 | 7-2-12 | 7-9-4

Scale = 1:52.5



10-2-3 | 19-9-13 | 30-0-0
10-2-3 | 9-7-11 | 10-2-3

Plate Offsets (X,Y)-- [B:0-2-9,0-1-8], [H:0-2-9,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	-0.38	I-K	>936	240	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.95	Vert(TL)	-0.67	I-K	>537	180	MT18H	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.30	Horz(TL)	0.09	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-MS							Weight: 135 lb	FT = 20%
BCDL	10.0											

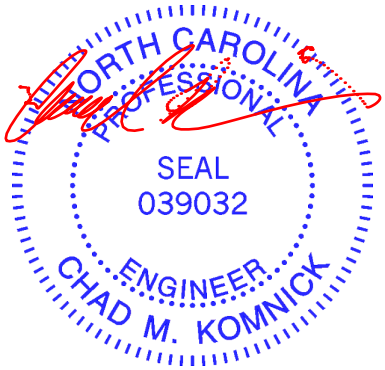
LUMBER-
TOP CHORD 2x4 SP No.1 *Except* A-D,F-H: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) B=1260/0-3-8, H=1200/0-3-8
Max Horz B=111(LC 16)
Max Uplift B=-48(LC 12), H=-34(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2013/287, C-E=-1776/304, E-G=-1778/305, G-H=-2014/288
BOT CHORD B-K=-172/1719, I-K=-25/1145, H-I=-173/1720
WEBS E-I=-68/714, G-I=-468/205, E-K=-67/708, C-K=-461/205

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, H.



August 9,2016

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	T2GE	GABLE	1	1	I27452167
					Job Reference (optional)

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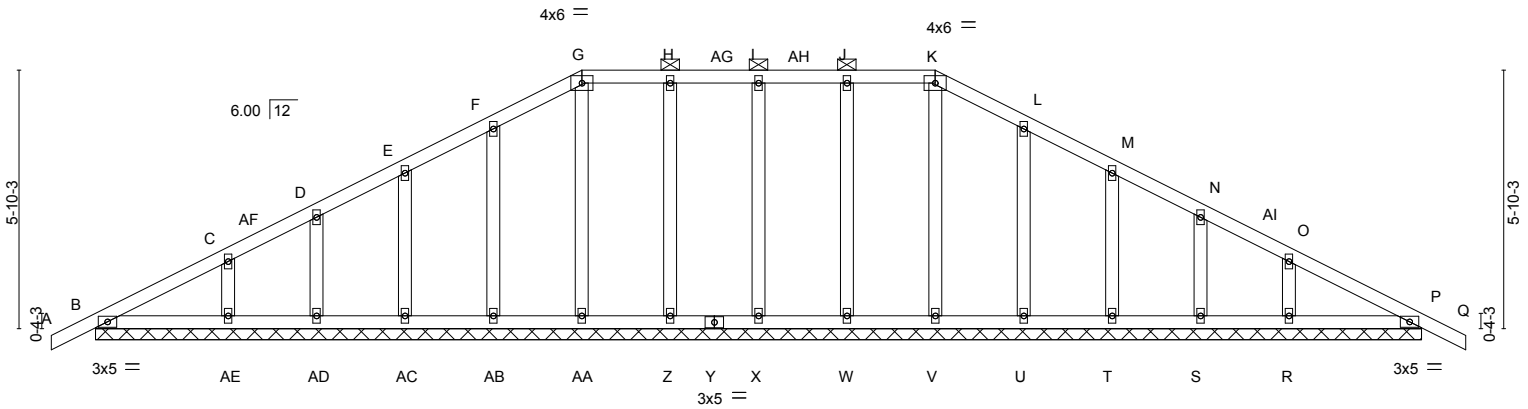
ID:m28TrXaph866FSG2iwKmK8zdK0u-OAnSiGmR0x6fyr0OeUumExrsLzEpbPdK3ogxcxypagE

1-0-0 | 11-0-1 | 18-11-15 | 30-0-0 | 31-0-0
1-0-0 | 11-0-1 | 7-11-14 | 11-0-1 | 1-0-0

Scale = 1:52.1



30-0-0
30-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.00	P	n/r	120	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.06	Vert(TL)	0.00	Q	n/r	90		
TCDL	10.0	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.00	P	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S							Weight: 169 lb	FT = 20%
BCDL	10.0											

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, except 2-0-0 oc purlins (6-0-0 max.): G-K.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 30-0-0.
(lb) - Max Horz B=79(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) B, X, Z, AB, AC, AD, AE, W, U, T, S, P, R
Max Grav All reactions 250 lb or less at joint(s) X, AA, AC, AD, V, T, S except B=277(LC 31), Z=258(LC 30), AB=256(LC 31), AE=342(LC 31), W=258(LC 30), U=256(LC 31), P=277(LC 31), R=342(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS C-AE=-275/74, O-R=-275/74

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, X, Z, AB, AC, AD, AE, W, U, T, S, P, R.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

August 9,2016

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TRENCO
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818 Soundside Road
Edenton, NC 27932

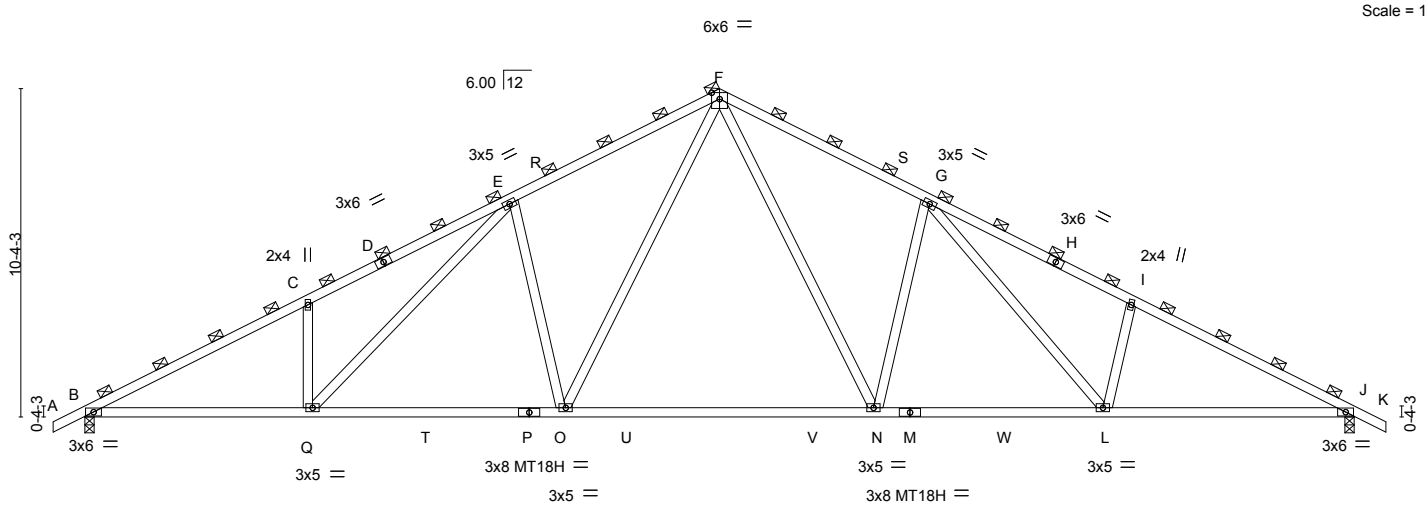
Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	T3	COMMON	3	1	I27452168
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:40 2016 Page 1
ID:m28TrXaph866FSG2iwKmK8zdK0u-sMLqvcn3nFEWa?baCCP?m8NssNLNKjRTISPU8OypagD

-1-0-0	7-0-5	13-6-3	20-0-0	26-5-13	32-11-11	40-0-0	41-0-0
1-0-0	7-0-5	6-5-13	6-5-13	6-5-13	6-5-13	7-0-5	1-0-0

Scale = 1:72.6



7-0-5	15-0-0	25-0-0	32-2-12	40-0-0
7-0-5	7-11-11	10-0-0	7-2-12	7-9-4

LOADING (psf)
TCLL 20.0
(Roof Snow=20.0)
TCDL 10.0
BCLL 0.0 *
BCDL 10.0

SPACING- 2-2-0
Plate Grip DOL 1.15
Lumber DOL 1.15
Rep Stress Incr NO
Code IBC2012/TPI2007

CSI.
TC 0.85
BC 1.00
WB 0.74
Matrix-S

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	-0.39	N-O	>999	240
Vert(TL)	-0.89	N-O	>534	180
Horz(TL)	0.17	J	n/a	n/a

PLATES	**GRIP**
MT20	244/190
MT18H	244/190

Weight: 218 lb FT = 20%

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

BRACING-
TOP CHORD 2-0-0 oc purlins (3-0-1 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) B=1795/0-3-8, J=1795/0-3-8
Max Horz B=149(LC 12)
Max Uplift B=-64(LC 12), J=-64(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-3306/392, C-E=-3286/527, E-F=-2594/466, F-G=-2586/467, G-I=-3180/489, I-J=-3274/404
BOT CHORD B-Q=-241/2869, O-Q=-124/2375, N-O=-1/1768, L-N=-124/2369, J-L=-252/2843
WEBS C-Q=-411/216, E-Q=-171/805, E-O=-775/260, F-O=-145/1150, F-N=-148/1133, G-N=-784/254, G-L=-131/710, I-L=-384/198

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, J.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

August 9,2016

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Edenton, NC 27932

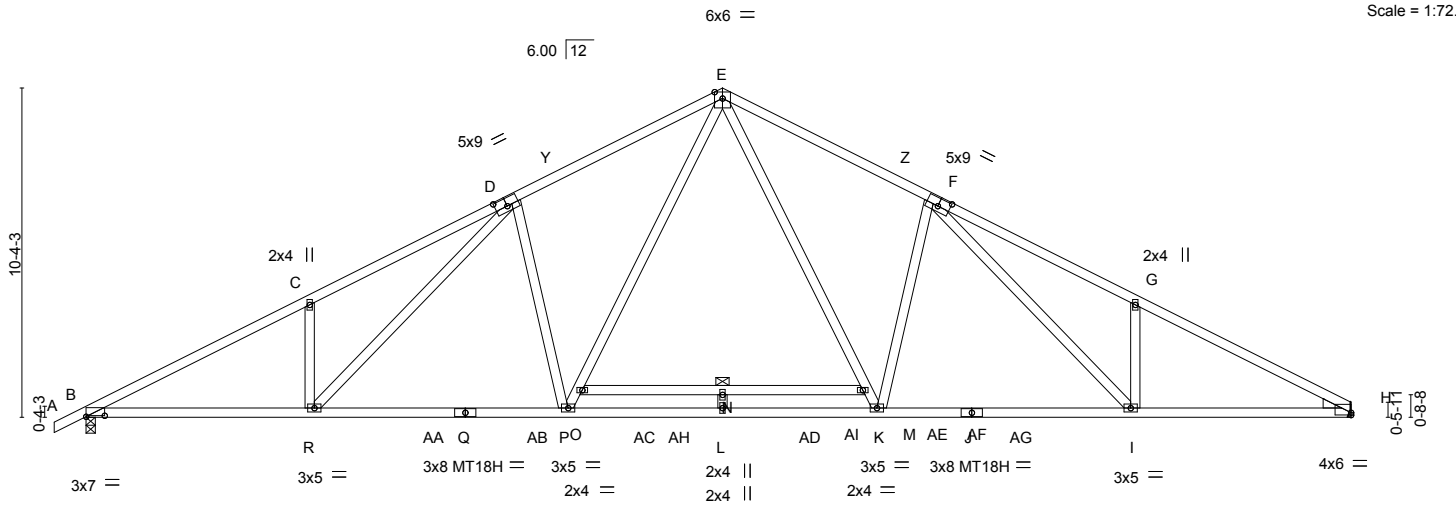
Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	T3A	COMMON	6	1	I27452169
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:41 2016 Page 1
ID:m28TrXaph866FSG2iwKmK8zdK0u-KZvC7yohYZMNC9AmmvxEJMw14njh3CCdX691hqypagC

-1-0-0	7-0-5	13-6-3	20-0-0	26-5-13	32-11-11	39-9-0
1-0-0	7-0-5	6-5-13	6-5-13	6-5-13	6-5-13	6-9-5

Scale = 1:72.4



7-0-5	15-0-0	20-0-0	25-0-0	32-11-11	39-9-0
7-0-5	7-11-11	5-0-0	5-0-0	7-11-11	6-9-5

Plate Offsets (X,Y)-- [B:0-7-0,0-0-6], [D:0-4-8,0-3-0], [F:0-4-8,0-3-0], [H:0-0-0,0-0-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.48	N	>984	240	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.87	Vert(TL)	-1.16	N	>410	180	MT18H	244/190
TCDL	10.0	Rep Stress Incr	NO	WB	0.64	Horz(TL)	0.17	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-MS							Weight: 231 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP SS *Except*
A-D,F-H: 2x4 SP No.2
BOT CHORD 2x4 SP No.1 *Except*
M-O: 2x4 SP No.2, J-Q: 2x4 SP SS
WEBS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: M-O

REACTIONS. (lb/size) B=1789/0-3-8, H=1709/Mechanical
Max Horz B=146(LC 12)
Max Uplift B=-7(LC 12)
Max Grav B=1827(LC 2), H=1762(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-3377/246, C-D=-3360/360, D-E=-2825/308, E-F=-2824/310, F-G=-3347/375, G-H=-3367/258
BOT CHORD B-R=-144/2949, P-R=-48/2591, L-P=0/1898, K-L=0/1898, I-K=-50/2589, H-I=-157/2938
WEBS E-M=-71/1251, K-M=-115/1158, F-K=-679/241, F-I=-157/609, G-I=-349/187, O-P=-112/1153, E-O=-68/1246, D-P=-670/236, D-R=-142/608, C-R=-349/182

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
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

NORTH CAROLINA PROFESSIONAL SEAL 039032 ENGINEER CHAD M. KOMNICK

August 9,2016

Continued on page 2

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LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: A-E=-60, E-H=-60, S-V=-20, M-O=-20
   Concentrated Loads (lb)
   Vert: N=-75(F)

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	T3GE	Common Supported Gable	1	1	I27452170

Job Reference (optional)

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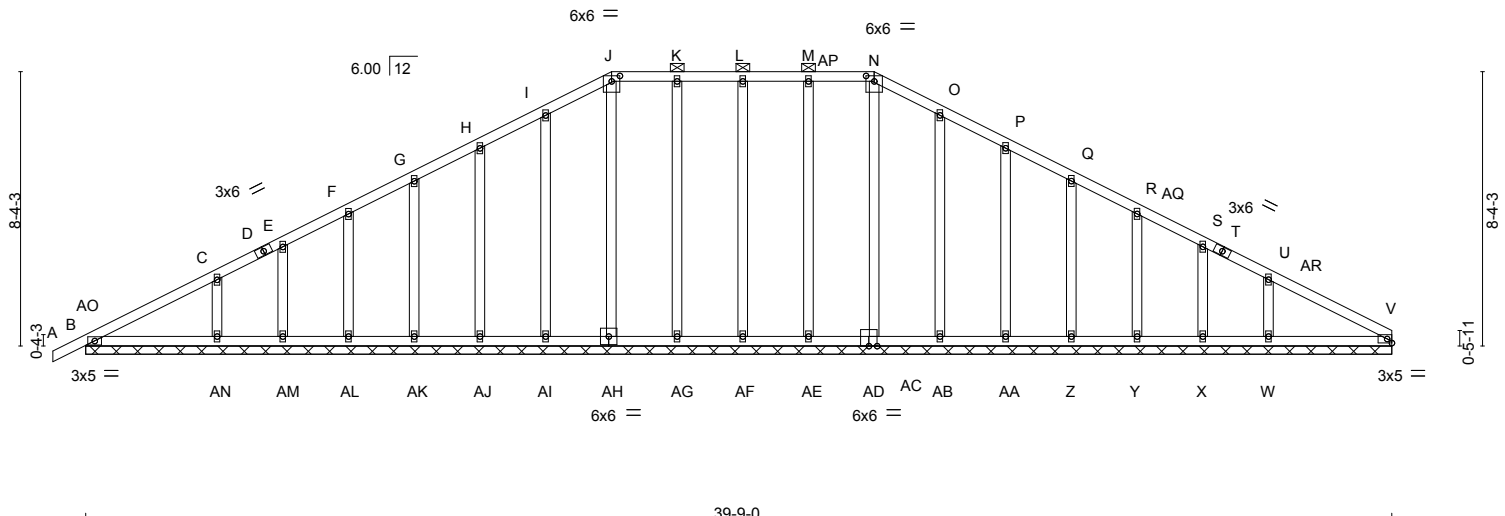
ID:m28TrXaph866FSG2iwKmK8zdK0u-plTaKlpJJsUEpJlzJdSTrZTNoBFgokAmlmubDGypagB

1-0-0 | 16-0-1 | 23-11-15 | 39-9-0

1-0-0 | 16-0-1 | 7-11-14 | 15-9-1

Scale = 1:70.1



39-9-0

39-9-0

Plate Offsets (X,Y)-- [J:0-3-0,0-2-0], [N:0-3-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.00	A	n/r	120	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.12	Vert(TL)	0.01	A	n/r	90		
TCDL	10.0	Rep Stress Incr	YES	WB	0.27	Horz(TL)	0.01	V	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S							Weight: 260 lb	FT = 20%
BCDL	10.0											

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, except 2-0-0 oc purlins (6-0-0 max.): J-N.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 39-9-0.

(lb) - Max Horz B=117(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) B, AE, AF, AG, AI, AJ, AK, AL, AM, AN, AB, AA, Z, Y, X, W
Max Grav All reactions 250 lb or less at joint(s) B, AC, AF, AH, AJ, AK, AM, AA, Z, X, V except AE=257(LC 30), AG=257(LC 30), AI=256(LC 31), AL=257(LC 31), AN=377(LC 31), AB=256(LC 31), Y=257(LC 31), W=373(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS C-AN=-288/101, U-W=-287/110

NOTES-

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, AE, AF, AG, AI, AJ, AK, AL, AM, AN, AB, AA, Z, Y, X, W.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

August 9,2016

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	T3SGE	Common Structural Gable	1	1	I27452171
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:44 2016 Page 1
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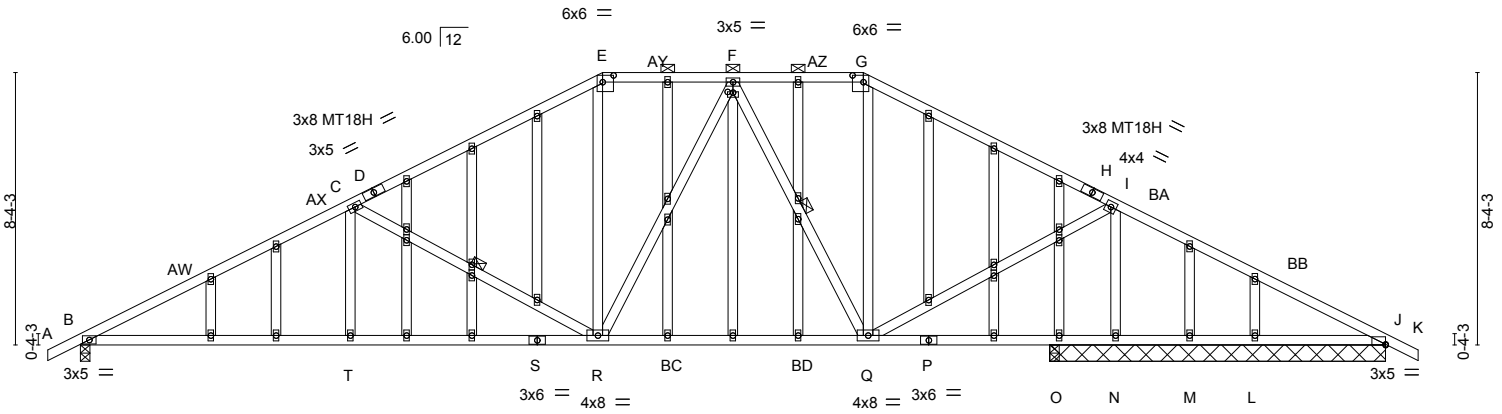
1-0-0	8-3-4	16-0-1	20-0-0	23-11-15	31-8-12	40-0-0	41-0-0
1-0-0	8-3-4	7-8-12	3-11-15	3-11-15	7-8-12	8-3-4	1-0-0

Scale = 1:70.6



8-3-4	16-0-1	23-11-15	30-0-0	31-8-12	40-0-0
8-3-4	7-8-12	7-11-14	6-0-1	1-8-12	8-3-4

Plate Offsets (X,Y)-- [E:0-4-0,0-2-8], [F:0-2-0,0-0-4], [G:0-4-0,0-2-8], [J:Edge,0-0-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.22	Q-R	>999	240	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.97	Vert(TL)	-0.44	Q-R	>818	180	MT18H	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.09	O	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S							Weight: 309 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.1 *Except* E-G: 2x4 SP No.2, A-D,H-K: 2x4 SP SS
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-7-6 max.): E-G.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt C-R, F-Q

REACTIONS. All bearings 10-3-8 except (jt=length) B=0-3-8.
(lb) - Max Horz B=111(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) B, N, M, J
Max Grav All reactions 250 lb or less at joint(s) O, O, M, L, J except B=1575(LC 31), N=2210(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2758/264, C-E=-1707/243, E-F=-1341/257, F-G=-828/218, G-I=-1130/200, I-J=-24/656
BOT CHORD B-T=-126/2356, R-T=-126/2356, Q-R=0/1090, O-Q=-405/91, N-O=-405/91, M-N=-405/91, L-M=-405/91, J-L=-405/91
WEBS C-T=0/339, C-R=-1155/187, E-R=0/324, F-R=-41/548, F-Q=-662/73, I-Q=-17/1406, I-N=-2203/286

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) All plates are 2x4 MT20 unless otherwise indicated.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, N, M, J.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

August 9,2016

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	T4	Common	1	1	I27452172
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:45 2016 Page 1
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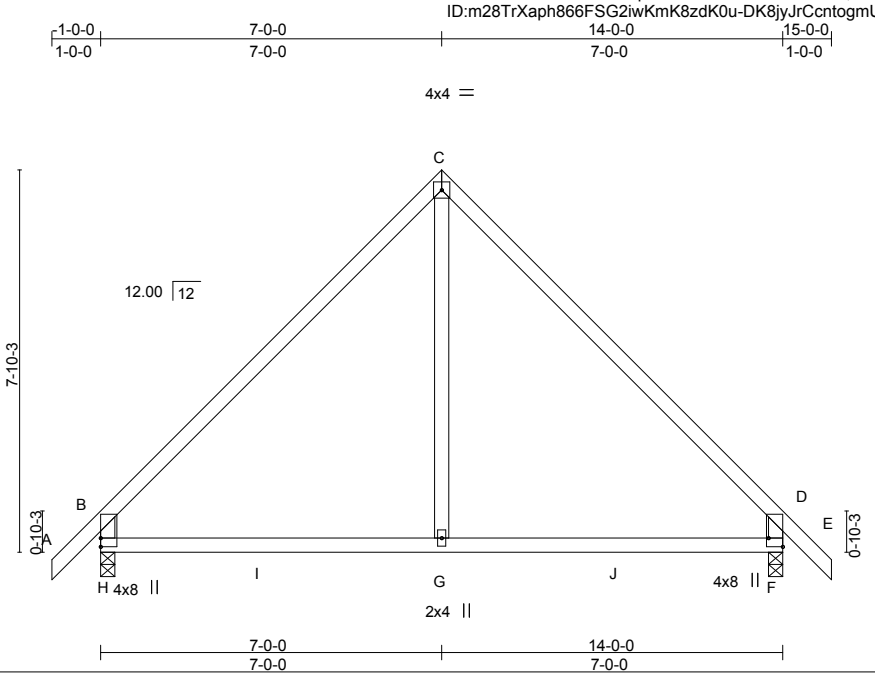

Plate Offsets (X,Y)-- [F:Edge,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.05	F-G	>999	240	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.51	Vert(TL)	-0.11	F-G	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.01	F	n/a	n/a		
BCLL	0.0 *	Code IBC2012/TPI2007		Matrix-S							Weight: 67 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. (lb/size) H=617/0-3-8, F=617/0-3-8
Max Horz H=-173(LC 8)
Max Uplift H=-11(LC 10), F=-11(LC 11)
Max Grav H=654(LC 18), F=654(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-636/84, C-D=-636/84, B-H=-587/132, D-F=-587/132
BOT CHORD G-H=0/395, F-G=0/395
WEBS C-G=0/392

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) H, F.

August 9,2016

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TRENCO
A MiTek Affiliate
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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	T4GE	GABLE	1	1	I27452173
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:46 2016 Page 1
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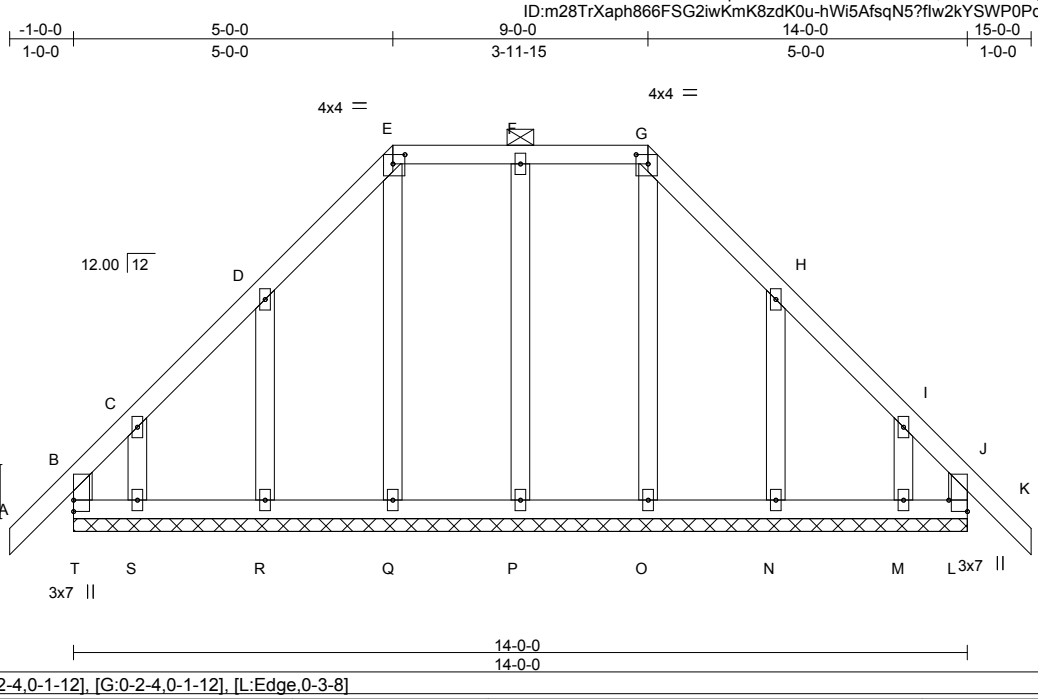


Plate Offsets (X,Y)-- [E:0-2-4,0-1-12], [G:0-2-4,0-1-12], [L:Edge,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	0.00	K	n/r	120	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.04	Vert(TL)	-0.00	J	n/r	90		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.00	L	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S							Weight: 91 lb	FT = 20%
BCDL	10.0											

LUMBER-

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

BRACING-

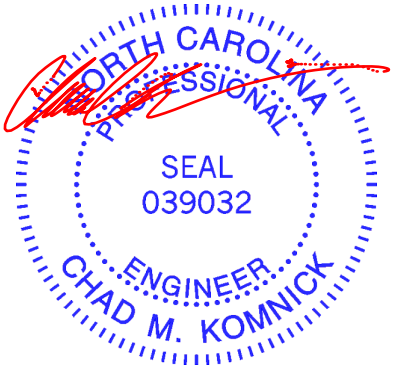
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): E-G.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 14-0-0.
(lb) - Max Horz T=-135(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) T, L, P, R, N, M except S=-101(LC 10)
Max Grav All reactions 250 lb or less at joint(s) T, L, P, Q, R, S, O, N, M

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

NOTES-

1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * 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.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) T, L, P, R, N, M except (jt=lb) S=101.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



August 9,2016

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

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	T4GR	COMMON GIRDER	1	3	I27452174
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:47 2016 Page 1
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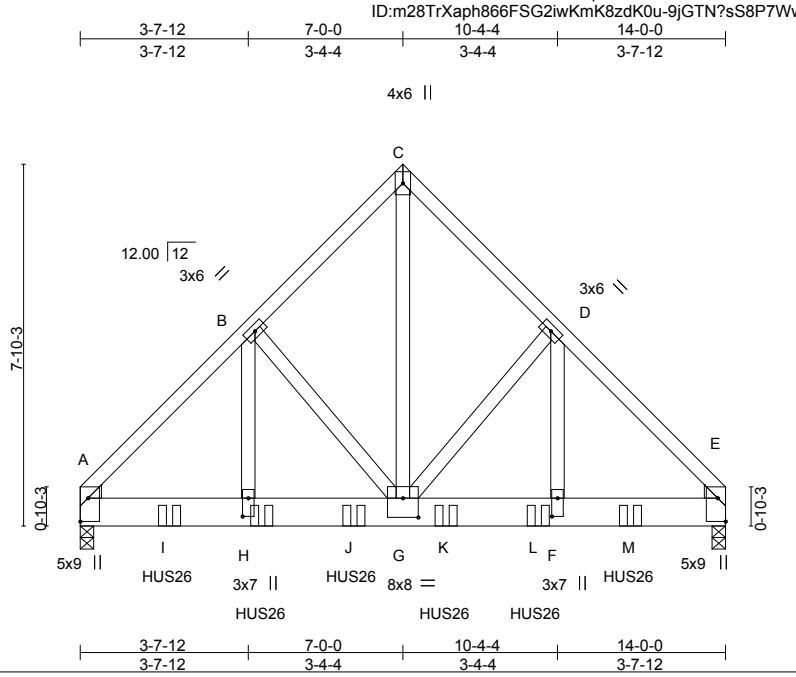


Plate Offsets (X,Y)-- [A:Edge,0-2-0], [E:Edge,0-2-0], [F:0-4-12,0-1-8], [G:0-4-0,0-5-0], [H:0-4-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.03	G	>999	240	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.26	Vert(TL)	-0.09	F-G	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.82	Horz(TL)	0.01	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S							Weight: 328 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP SS
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

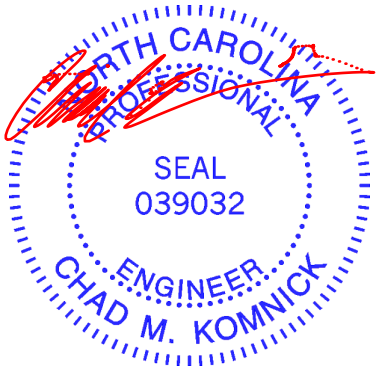
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=5697/0-3-8, E=5533/0-3-8
Max Horz A=-142(LC 4)
Max Grav A=5790(LC 2), E=5621(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-6403/0, B-C=-4370/0, C-D=-4370/0, D-E=-6365/0
BOT CHORD A-H=0/4192, G-H=0/4192, F-G=0/4167, E-F=0/4167
WEBS C-G=0/5925, D-G=-1709/0, B-G=-1748/0, D-F=0/2832, B-H=0/2889

NOTES-
1) 3-ply truss to be connected together with 10d (0.120"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 3 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
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) Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-11-4 from the left end to 11-11-4 to connect truss(es) to back face of bottom chord.
8) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-C=-60, C-E=-60, A-E=-20
Concentrated Loads (lb)
Vert: H=-1689(B) I=-1689(B) J=-1689(B) K=-1689(B) L=-1689(B) M=-1689(B)



August 9,2016

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

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	V1	Valley	1	1	I27452175
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:48 2016 Page 1
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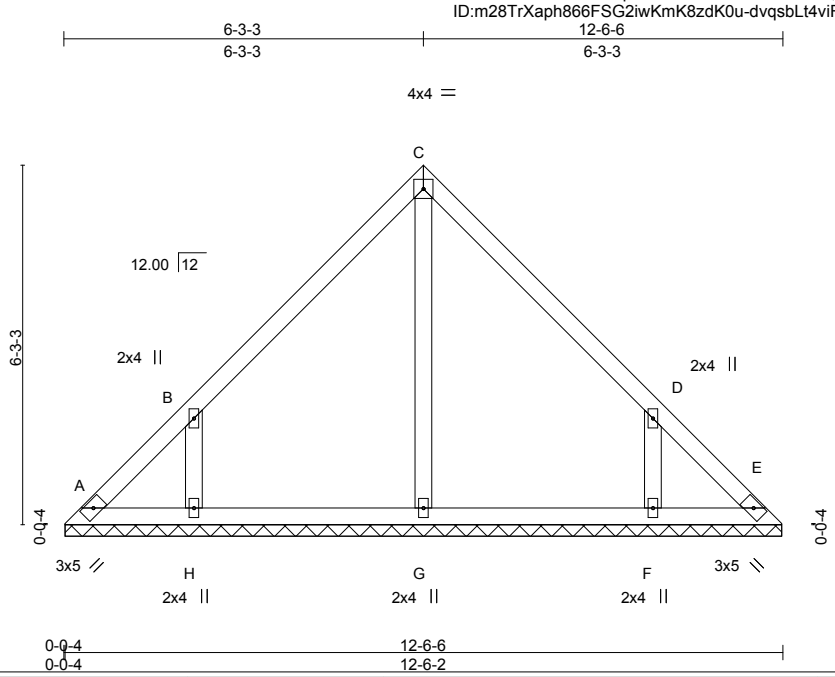

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.00	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S							Weight: 57 lb	FT = 20%
BCDL	10.0											

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 12-5-14.
(lb) - Max Horz A=-114(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) A, E except H=-144(LC 10), F=-144(LC 11)
Max Grav All reactions 250 lb or less at joint(s) A, E, G except H=319(LC 17), F=318(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-H=-256/186, D-F=-256/185

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, E except (jt=lb) H=144, F=144.

August 9,2016

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

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	V1B	Valley	1	1	I27452176
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:48 2016 Page 1
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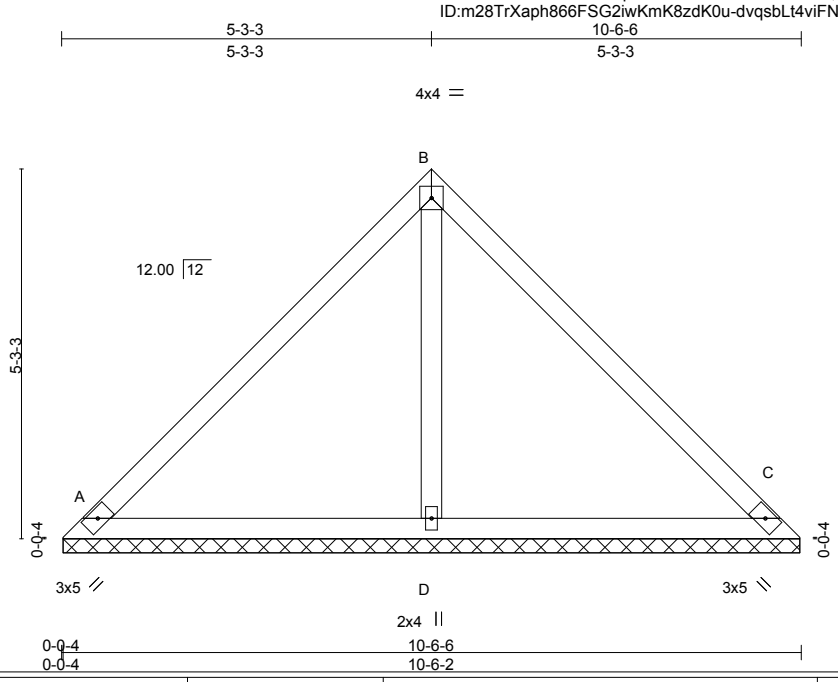

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	n/a	-	n/a	999	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.25	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S							Weight: 43 lb	FT = 20%
BCDL	10.0											

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=221/10-5-14, C=221/10-5-14, D=345/10-5-14
Max Horz A=95(LC 7)
Max Uplift A=-20(LC 11), C=-20(LC 11)

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

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C.

August 9,2016

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	V1C	Valley	1	1	I27452177
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:49 2016 Page 1
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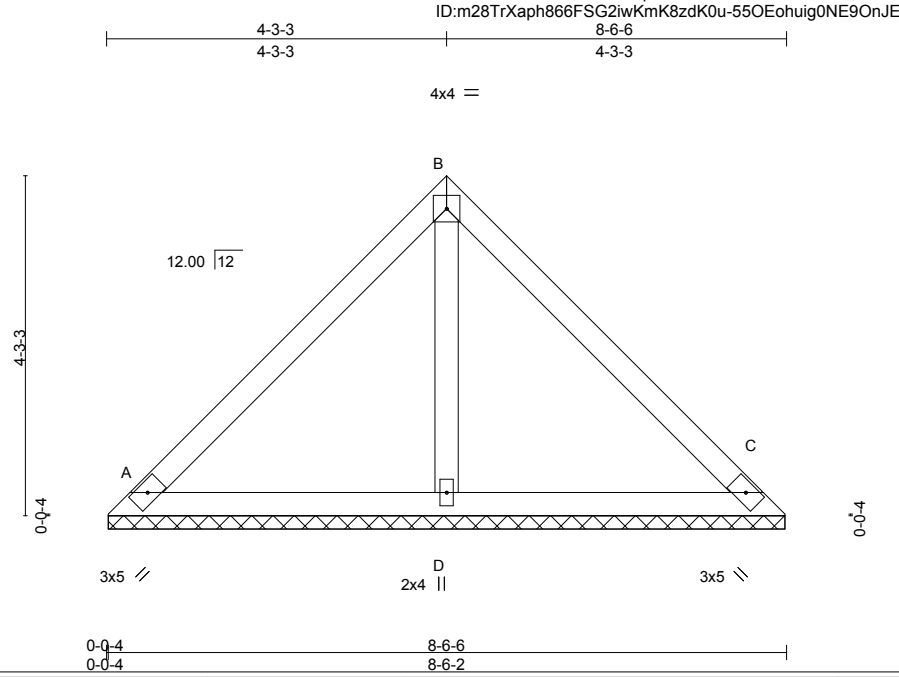

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	n/a	-	n/a	999	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.16	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S							Weight: 35 lb	FT = 20%
BCDL	10.0											

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=189/8-5-14, C=189/8-5-14, D=248/8-5-14
Max Horz A=-76(LC 6)
Max Uplift A=-26(LC 11), C=-26(LC 11)

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

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C.

August 9,2016

ENGINEERING BY
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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	V1D	Valley	1	1	I27452178
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:49 2016 Page 1
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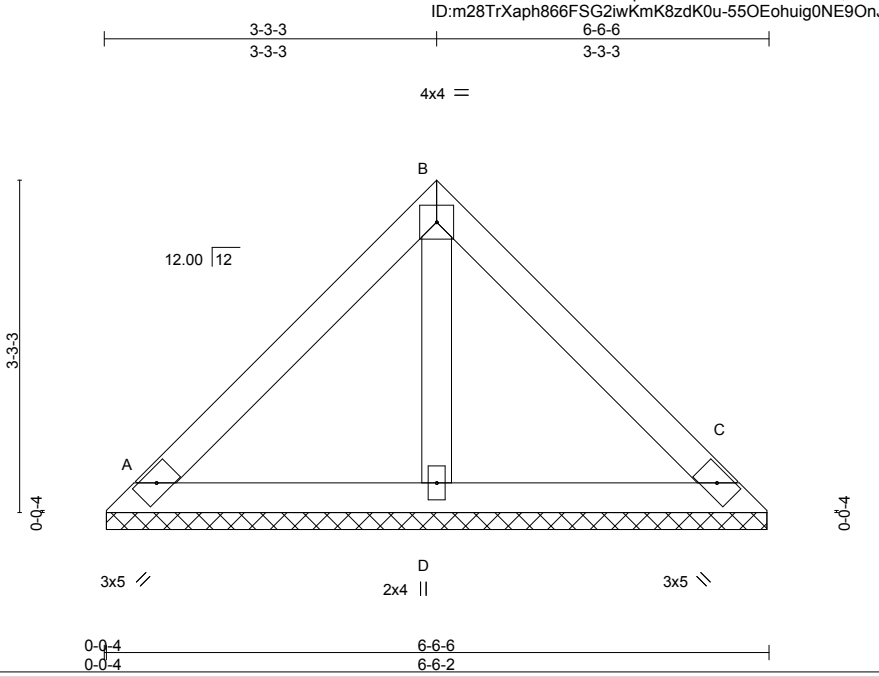

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.09	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S							Weight: 26 lb	FT = 20%
BCDL	10.0											

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=141/6-5-14, C=141/6-5-14, D=185/6-5-14
Max Horz A=-56(LC 6)
Max Uplift A=-19(LC 11), C=-19(LC 11)

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

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C.

August 9,2016

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

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	V1E	Valley	1	1	I27452179
					Job Reference (optional)

84 Components, Dunn, NC 28334 — 8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:50 2016 Page 1
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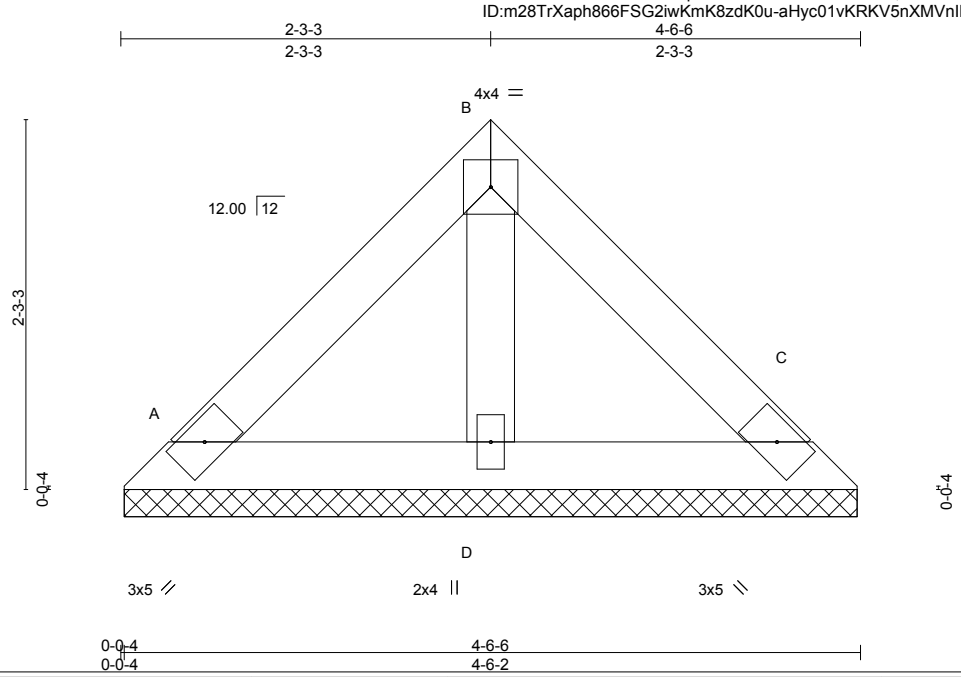

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2012/TPI2007	Matrix-S							Weight: 17 lb	FT = 20%
BCDL	10.0											

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 4-6-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=92/4-5-14, C=92/4-5-14, D=121/4-5-14
Max Horz A=-37(LC 6)
Max Uplift A=-13(LC 11), C=-13(LC 11)

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

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C.

August 9,2016

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	CL-3067
CL3067_W_CP	V1F	Valley	1	1	I27452180
					Job Reference (optional)

84 Components, Dunn, NC 28334

8.010 s Apr 20 2016 MiTek Industries, Inc. Tue Aug 09 12:18:50 2016 Page 1
ID:m28TrXaph866FSG2iwKmK8zdK0u-aHyc01vKRKV5nXMVnIbLAFomUP_mgPQxb?q0Vypyag3

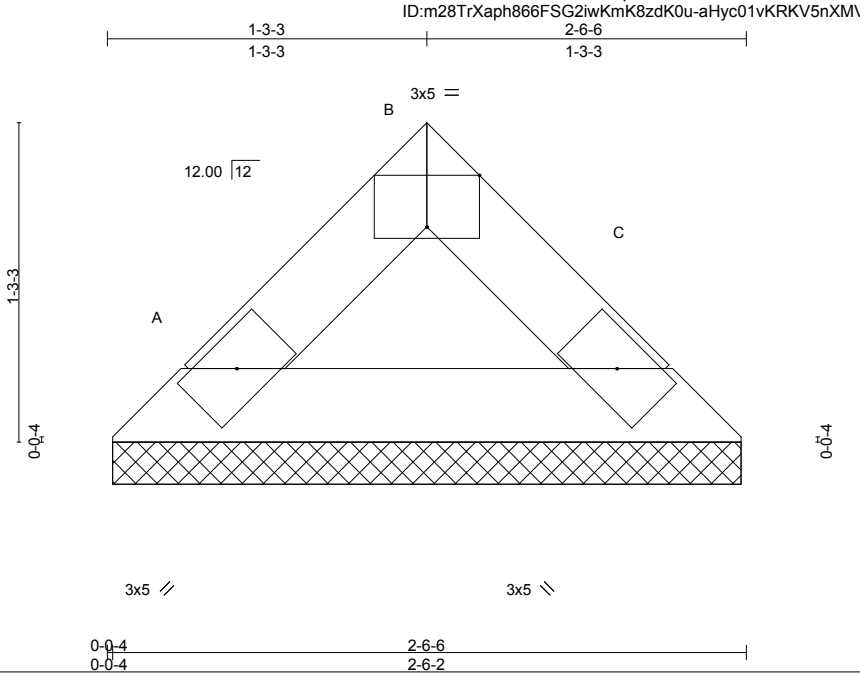

Plate Offsets (X,Y)-- [B:0-2-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.01	Vert(LL)	n/a	-	n/a	999	MT20	244/190
(Roof Snow=20.0)		Lumber DOL	1.15	BC	0.04	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	IBC2012/TPI2007	Matrix-S								
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 2-6-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=73/2-5-14, C=73/2-5-14
Max Horz A=-18(LC 6)

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

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.60
2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 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.

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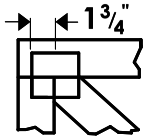
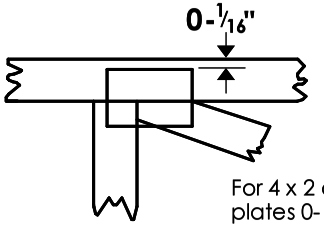
Symbols

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.

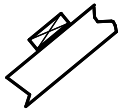
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

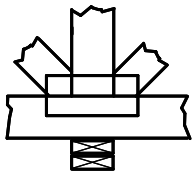
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

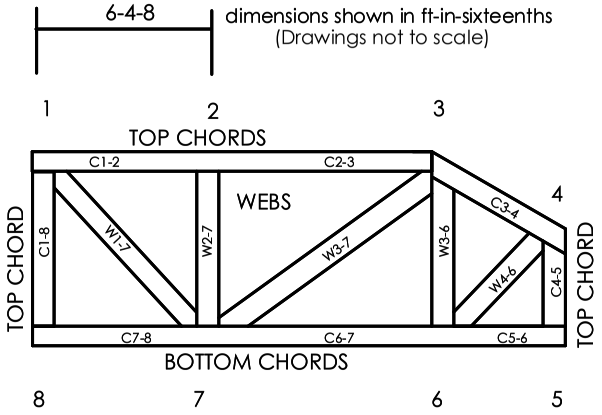


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

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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.