ENGINEERING BY TRENCO
A MiTek Affiliate

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

Trenco
818 Soundside Rd
Edenton, NC 27932

RE: 760483 - H&H-NC/Wrightsville/

Site Information:

Project Customer: H and H Project Name: 760483
Lot/Block: A Subdivision: All
Model:
Address:
City: Fayetteville State: NC

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

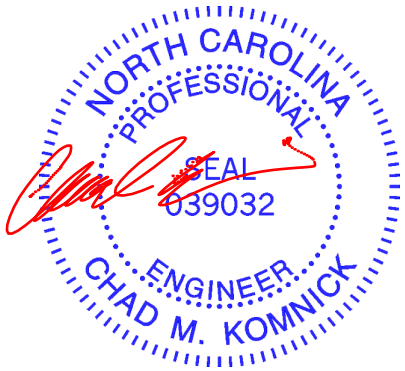
Design Code: IRC2009/TPI2007
Design Program: MiTek 20/20 7.6
Wind Code: ASCE 7-05 Wind Speed: 130 mph
Design Method: MWFRS(low-rise)/C-C hybrid Wind ASCE 7-05
Roof Load: 40.0 psf
Floor Load: N/A psf

Mean Roof Height (feet): 25
Exposure Category: C

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	I28709758	A01	1/9/17	35	I28709792	B07	1/9/17
2	I28709759	A02	1/9/17	36	I28709793	B08	1/9/17
3	I28709760	A05	1/9/17	37	I28709794	B09	1/9/17
4	I28709761	A06	1/9/17	38	I28709795	B10	1/9/17
5	I28709762	A07	1/9/17	39	I28709796	B11	1/9/17
6	I28709763	A08	1/9/17	40	I28709797	B12	1/9/17
7	I28709764	A09	1/9/17	41	I28709798	C01	1/9/17
8	I28709765	A10	1/9/17	42	I28709799	C02	1/9/17
9	I28709766	A11	1/9/17	43	I28709800	C03	1/9/17
10	I28709767	A13	1/9/17	44	I28709801	C04	1/9/17
11	I28709768	A14	1/9/17	45	I28709802	C05	1/9/17
12	I28709769	A21	1/9/17	46	I28709803	C06	1/9/17
13	I28709770	A22	1/9/17	47	I28709804	C07	1/9/17
14	I28709771	A23	1/9/17	48	I28709805	D01	1/9/17
15	I28709772	A24	1/9/17	49	I28709806	D02	1/9/17
16	I28709773	A25	1/9/17	50	I28709807	D03	1/9/17
17	I28709774	A25A	1/9/17	51	I28709808	D04	1/9/17
18	I28709775	A26	1/9/17	52	I28709809	D05	1/9/17
19	I28709776	A26A	1/9/17	53	I28709810	D06	1/9/17
20	I28709777	A27	1/9/17	54	I28709811	D07	1/9/17
21	I28709778	A27A	1/9/17	55	I28709812	D08	1/9/17
22	I28709779	A28	1/9/17	56	I28709813	FG01	1/9/17
23	I28709780	A29	1/9/17	57	I28709814	G01	1/9/17
24	I28709781	A30	1/9/17	58	I28709815	G02	1/9/17
25	I28709782	A31	1/9/17	59	I28709816	G03	1/9/17
26	I28709783	A32	1/9/17	60	I28709817	J01	1/9/17
27	I28709784	A33	1/9/17	61	I28709818	J02	1/9/17
28	I28709785	A34	1/9/17	62	I28709819	J03	1/9/17
29	I28709786	B01	1/9/17	63	I28709820	J04	1/9/17
30	I28709787	B02	1/9/17	64	I28709821	M01	1/9/17
31	I28709788	B03	1/9/17	65	I28709822	M02	1/9/17
32	I28709789	B04	1/9/17	66	I28709823	M03	1/9/17
33	I28709790	B05	1/9/17	67	I28709824	M04	1/9/17
34	I28709791	B06	1/9/17	68	I28709825	PB01	1/9/17

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

Truss Design Engineer's Name: Komnick, Chad



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

January 9,2017

Komnick, Chad

RE: 760483 - H&H-NC/Wrightsville/

No.	Seal#	Job ID#	Truss Name	Date
69	I28709826	760483	PB02	1/9/17
70	I28709827	760483	PB03	1/9/17
71	I28709828	760483	PB04	1/9/17
72	I28709829	760483	PB05	1/9/17
73	I28709830	760483	PB06	1/9/17
74	I28709831	760483	PB07	1/9/17
75	I28709832	760483	PB08	1/9/17
76	I28709833	760483	V01	1/9/17
77	I28709834	760483	V03	1/9/17

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A01	Attic	1	1	I28709758
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:09 2017 Page 1
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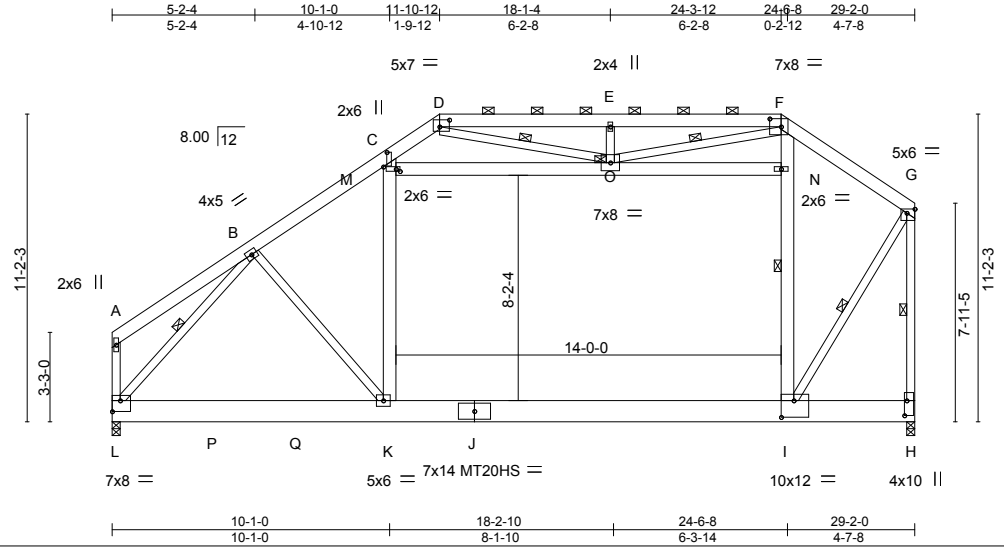

Plate Offsets (X,Y)-- [C:0-6-5,0-1-8], [D:0-4-4,0-3-0], [F:0-5-0,0-3-8], [G:Edge,0-1-12], [H:0-6-8,0-1-0], [I:0-5-8,0-7-4], [L:Edge,0-4-12], [M:0-1-12,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	-0.34	I-K	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(TL)	-0.75	I-K	>462	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.91	Horz(TL)	0.02	H	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.56	K-L	>618	240	Weight: 335 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.1 *Except*
H-J: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
C-K,F-I,M-N: 2x6 SP No.2, A-L,G-H: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-3-6 max.): D-F.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt I-N, B-L, G-H, G-I, D-O, F-O
JOINTS 1 Brace at Jt(s): O

REACTIONS. (lb/size) L=1344/0-3-8, H=1432/0-3-8
Max Horz L=934(LC 7)
Max Uplift L=-571(LC 8), H=-500(LC 7)
Max Grav L=1625(LC 2), H=1818(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-145/316, B-C=-1573/719, C-D=-1351/1137, D-E=-1615/1602, E-F=-1615/1602, F-G=-1300/738, A-L=-152/295, G-H=-2527/1051
BOT CHORD L-P=-1003/1119, P-Q=-1003/1119, K-Q=-1003/1119, J-K=-651/1134, I-J=-651/1134, H-I=-153/266
WEBS B-K=-335/561, K-M=0/658, C-M=0/690, I-N=-355/554, F-N=-210/519, M-O=-785/425, N-O=-373/210, B-L=-1643/615, G-I=-871/2078, D-O=-1264/574, E-O=-287/615, F-O=-1526/1126

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
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) Ceiling dead load (5.0 psf) on member(s). M-O, N-O; Wall dead load (5.0psf) on member(s).K-M, I-N
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. I-K
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) L=571, H=500.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.
14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

ENGINEERING BY TRENCO
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A02	Attic	14	1	I28709759
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:09 2017 Page 1
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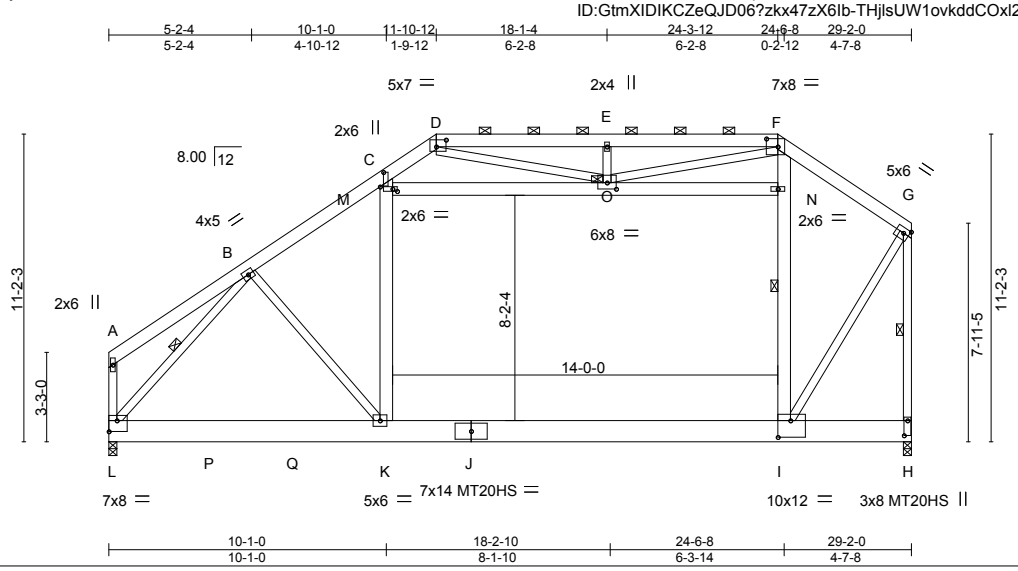


Plate Offsets (X,Y)-- [C:0-6-5,0-1-8], [D:0-4-4,0-3-0], [F:0-5-0,0-3-8], [G:0-2-8,0-2-4], [H:0-6-8,0-1-8], [I:0-5-8,0-7-4], [L:Edge,0-4-12], [M:0-2-0,0-1-0], [O:0-4-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	-0.34	I-K	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(TL)	-0.75	I-K	>462	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.91	Horz(TL)	0.02	H	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.41	K-L	>852	240	Weight: 335 lb	FT = 20%

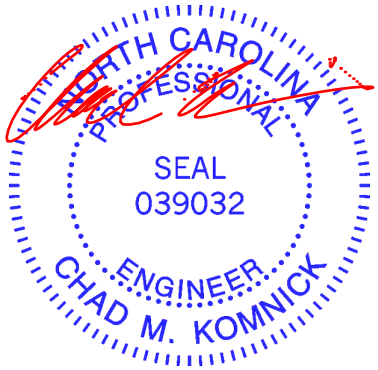
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.1 *Except*
H-J: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
C-K,F-I,M-N: 2x6 SP No.2, A-L,G-H: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-3-6 max.): D-F.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt I-N, B-L, G-H
JOINTS 1 Brace at Jt(s): O

REACTIONS. (lb/size) L=1344/0-3-8, H=1432/0-3-8
Max Horz L=401(LC 7)
Max Uplift L=-219(LC 7), H=-196(LC 7)
Max Grav L=1625(LC 2), H=1818(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1573/611, C-D=-1351/1087, D-E=-1615/1513, E-F=-1615/1513, F-G=-1300/557, G-H=-2527/994
BOT CHORD L-P=-723/1119, P-Q=-723/1119, K-Q=-723/1119, J-K=-397/1134, I-J=-397/1134
WEBS B-K=-174/468, K-M=0/658, C-M=0/690, I-N=-355/457, F-N=-210/444, M-O=-479/425, N-O=-373/171, B-L=-1643/448, G-I=-686/2078, D-O=-786/574, E-O=-287/404, F-O=-1048/1126

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
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) Ceiling dead load (5.0 psf) on member(s). M-O, N-O; Wall dead load (5.0psf) on member(s).K-M, I-N
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. I-K
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) L=219, H=196.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.
14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 9,2017

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A05	ATTIC	2	1	I28709760
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:10 2017 Page 1
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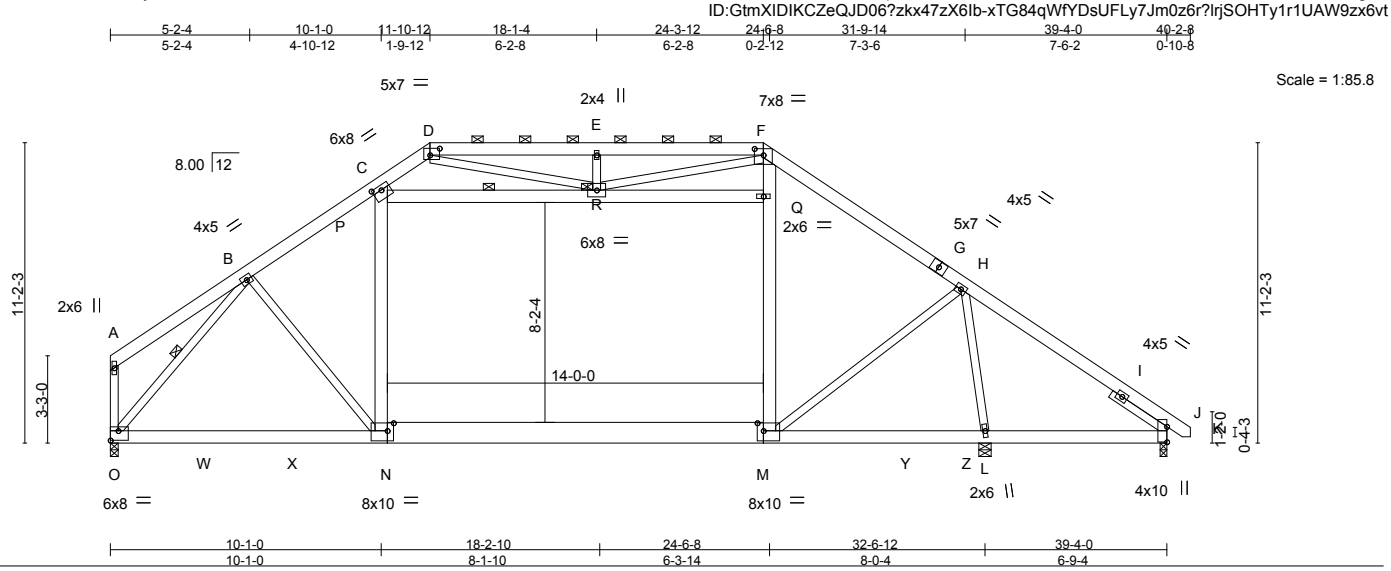

Plate Offsets (X,Y)-- [C:0-4-0,0-2-0], [D:0-4-4,0-3-0], [F:0-4-0,0-2-13], [M:0-2-12,0-3-8], [N:0-2-12,0-3-8], [O:Edge,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	-0.32	M-N	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(TL)	-0.52	M-N	>743	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(TL)	0.07	J	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.21	N-O	>999	240	Weight: 371 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
M-N: 2x10 SP DSS, J-M: 2x6 SP No.1
WEBS 2x4 SP No.3 *Except*
C-N,F-M,P-Q: 2x6 SP No.2, A-O: 2x4 SP No.2
SLIDER Right 2x4 SP No.2 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-0-3 max.): D-F.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt P-R, B-O
JOINTS 1 Brace at Jt(s): R

REACTIONS. (lb/size) L=981/0-5-8, J=1002/0-3-0, O=1659/0-3-8
Max Horz O=-538(LC 6)
Max Uplift L=-1146(LC 6), J=-760(LC 7), O=-365(LC 7)
Max Grav L=1315(LC 17), J=1157(LC 2), O=2022(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2192/1077, C-D=-1266/996, D-E=-1881/1714, E-F=-1881/1714, F-G=-1981/1127, G-H=-2168/1081, H-I=-1526/1014, I-J=-556/516
BOT CHORD O-W=-627/1475, W-X=-627/1475, N-X=-627/1475, M-N=-479/1757, M-Y=-703/1315, Y-Z=-703/1315, L-Z=-703/1315, J-L=-791/1221
WEBS B-N=-155/431, N-P=0/761, C-P=0/823, M-Q=-111/786, F-Q=-29/841, H-M=-171/673, H-L=-1244/876, P-R=-621/211, Q-R=-256/98, B-O=-2244/933, D-R=-827/907, F-R=-797/752, E-R=-309/418

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
7) Ceiling dead load (5.0 psf) on member(s). P-R, Q-R; Wall dead load (5.0psf) on member(s).N-P, M-Q
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. M-N
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) L=1146, J=760, O=365.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.
13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A06	ATTIC	4	1	I28709761
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:11 2017 Page 1

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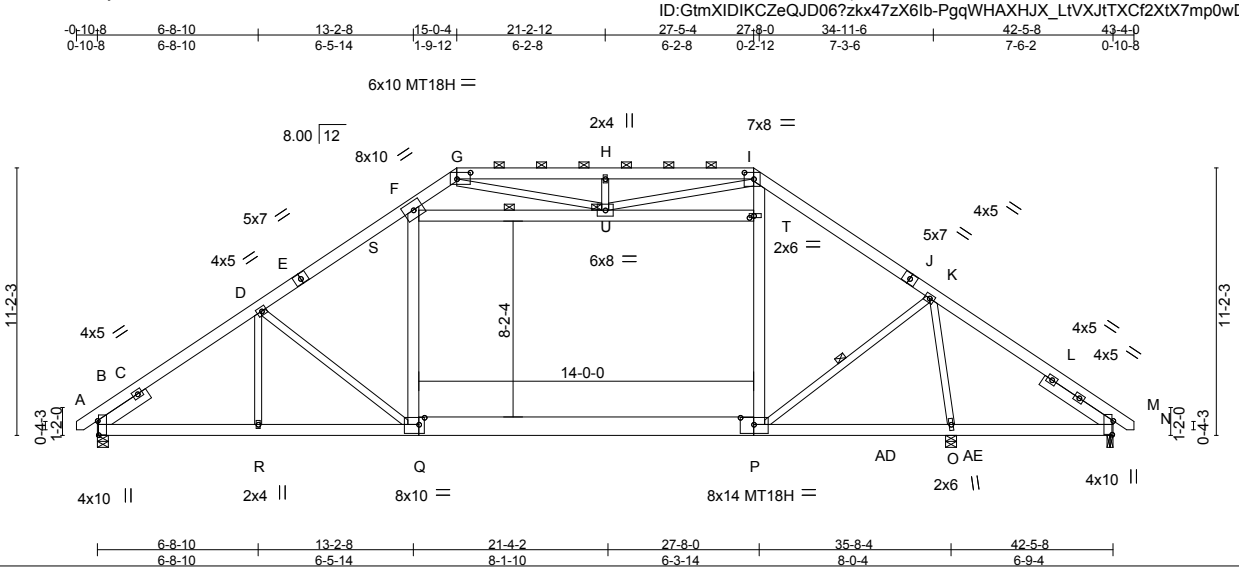


Plate Offsets (X,Y)-- [B:0-7-2,0-0-9], [G:0-6-12,0-3-4], [I:0-4-12,0-3-4], [M:0-6-14,0-0-9], [P:0-6-12,0-3-8], [Q:0-2-12,0-3-8], [T:0-2-4,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.37	P-Q	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.99	Vert(TL)	-0.78	P-Q	>552	240	MT18H	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(TL)	0.11	M	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.42	Q-R	>999	240	Weight: 392 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* P-Q: 2x10 SP DSS, M-P: 2x6 SP DSS
WEBS	2x4 SP No.3 *Except* F-Q,I-P,S-T: 2x6 SP No.2
SLIDER	Left 2x6 SP No.2 2-6-0, Right 2x6 SP No.2 3-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-6-5 max.): G-I.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt K-P, S-U
JOINTS	1 Brace at Jt(s): U

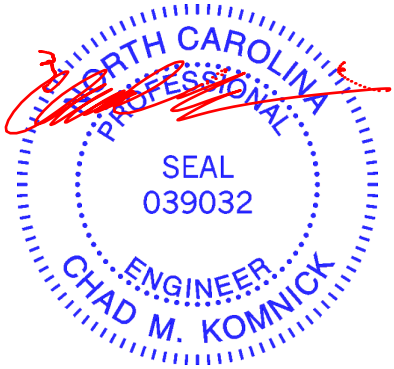
REACTIONS. (lb/size) B=1930/0-5-8, O=329/0-5-8, M=1688/0-3-0
Max Horz B=-525(LC 6)
Max Uplift B=-513(LC 8), O=-1188(LC 6), M=-965(LC 7)
Max Grav B=2146(LC 2), O=852(LC 15), M=1853(LC 2)

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

TOP CHORD	B-C=-908/395, C-D=-3053/1589, D-E=-2837/1426, E-F=-2686/1453, F-G=-1509/1147, G-H=-2051/1814, H-I=-2051/1814, I-J=-2586/1519, J-K=-2753/1473, K-L=-2565/1655, L-M=-936/860
BOT CHORD	B-R=-1063/2442, Q-R=-1063/2442, P-Q=-630/2299, P-AD=-1116/2090, AD-AE=-1116/2090, O-AE=-1116/2090, M-O=-1109/2068
WEBS	D-Q=-411/602, Q-S=-116/972, F-S=-42/1040, P-T=-245/1028, I-T=-187/1101, K-P=-189/674, K-O=-842/897, S-U=-804/383, T-U=-415/159, G-U=-793/810, H-U=-268/412, I-U=-809/608

NOTES- (14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
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) Ceiling dead load (5.0 psf) on member(s). S-U, T-U; Wall dead load (5.0psf) on member(s).Q-S, P-T
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. P-Q
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=513, O=1188, M=965.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.
14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 9,2017

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A07	ATTIC	2	1	I28709762
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:11 2017 Page 1

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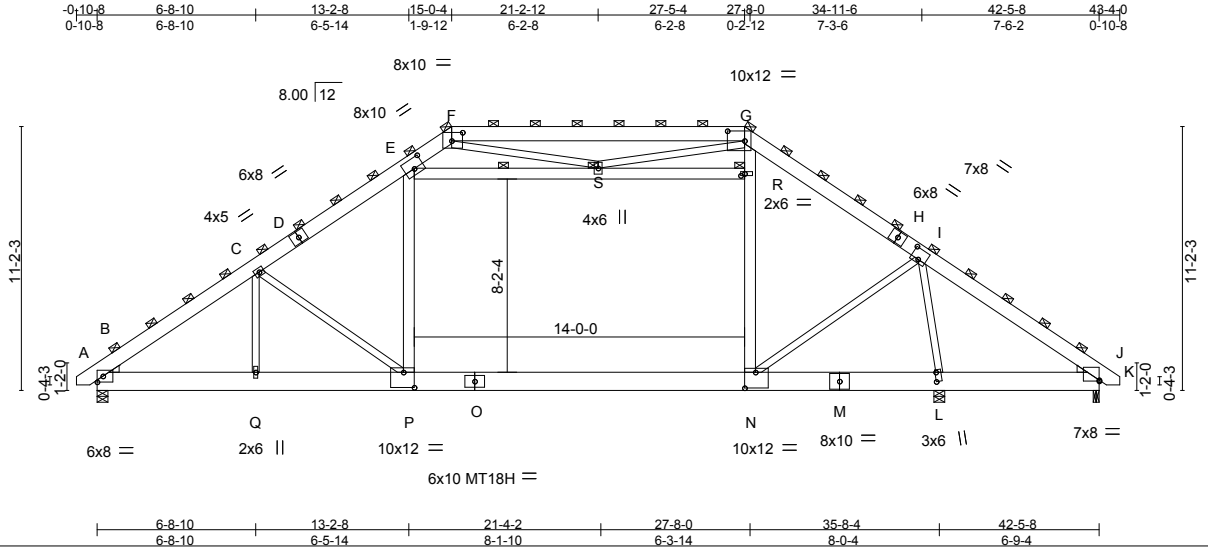


Plate Offsets (X,Y)-- [E:0-5-0,0-5-0], [F:0-5-8,0-4-4], [G:0-8-12,0-5-0], [I:0-4-0,0-5-4], [J:0-0-0,0-0-8], [L:0-4-12,0-0-8], [N:0-5-8,0-8-0], [P:0-5-8,0-7-12], [R:0-2-0,0-1-0]

LOADING (psf)		SPACING-	3-2-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.36	N-P	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.94	Vert(TL)	-0.69	N-P	>624	240	MT18H	244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.84	Horz(TL)	0.10	J	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-M)		Wind(LL)	0.31	P	>999	240	Weight: 457 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 SP DSS
BOT CHORD 2x10 SP No.1 *Except*
M-O: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
E-P,G-N,E-R: 2x6 SP No.2
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

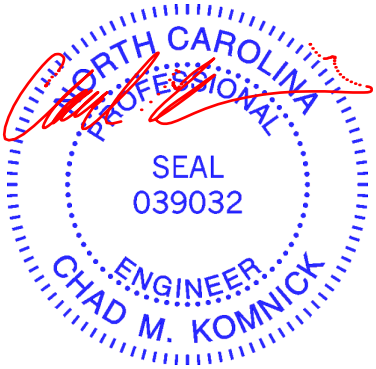
TOP CHORD 2-0-0 oc purlins (4-2-4 max.)
(Switched from sheeted: Spacing > 2-8-0).
BOT CHORD Rigid ceiling directly applied or 6-11-2 oc bracing.
WEBS 1 Row at midpt E-S
JOINTS 1 Brace at Jt(s): F, G, R, S

REACTIONS. (lb/size) L=720/0-5-8, J=2496/0-3-0 (req. 0-4-7), B=3018/0-5-8
Max Horz B=-833(LC 4)
Max Uplift L=-1863(LC 4), J=-1328(LC 5), B=-756(LC 6)
Max Grav L=1446(LC 13), J=2827(LC 2), B=3388(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-4982/1033, C-D=-4721/797, D-E=-4484/851, E-F=-2267/1444, F-G=-2989/895, G-H=-4287/1070, H-I=-4583/1000, I-J=-3975/1836
BOT CHORD B-Q=-1466/4017, P-Q=-1466/4017, O-P=-935/3731, N-O=-935/3731, M-N=-1298/3320, L-M=-1298/3320, J-L=-1457/3225
WEBS C-Q=-322/300, C-P=-720/802, E-P=-34/1537, N-R=-258/1778, G-R=-127/1883, I-N=-304/804, I-L=-1576/1277, E-S=-1712/175, R-S=-481/100, F-S=0/932, G-S=-374/261

NOTES- (15)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); end vertical left and right exposed; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
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.
8) Ceiling dead load (5.0 psf) on member(s). E-S, R-S; Wall dead load (5.0psf) on member(s).E-P, N-R
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. N-P
10) WARNING: Required bearing size at joint(s) J greater than input bearing size.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) L=1863, J=1328, B=756.
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Attic room checked for L/360 deflection.
15) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 9,2017

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818 Soundside Road
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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A08	ATTIC	2	1	I28709763
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 e Apr 22 2016 MiTek Industries, Inc. Mon Jan 09 11:18:02 2017 Page 1

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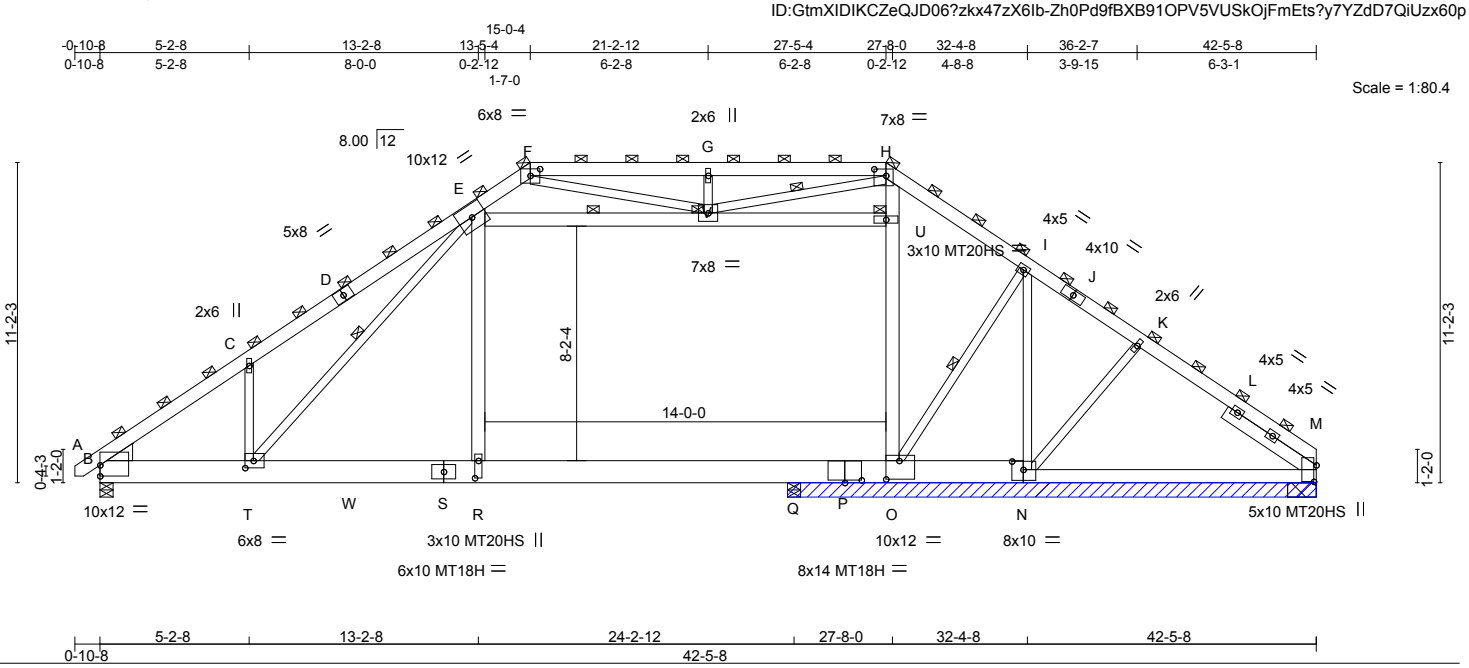

Plate Offsets (X,Y)-- [B:Edge,0-4-9], [F:0-4-0,0-2-13], [H:0-5-0,0-2-12], [M:0-6-14,0-1-1], [N:0-4-12,0-3-8], [O:0-5-8,0-7-12], [P:0-7-0,0-1-2], [R:0-7-4,0-1-8], [T:0-3-8,0-3-0]

LOADING (psf)		SPACING-	3-2-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.48	Q-R	>598	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.92	Vert(TL)	-0.91	Q-R	>316	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.94	Horz(TL)	0.11	M	n/a	n/a	MT18H	244/190
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)		Wind(LL)	0.47	R-T	>612	240	Weight: 429 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
F-H: 2x6 SP No.2
BOT CHORD 2x10 SP DSS *Except*
B-S: 2x10 SP No.1, M-N: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
E-R,E-U: 2x6 SP No.2, H-O: 2x6 SP No.1
WEDGE
Left: 2x8 SP DSS
SLIDER Right 2x6 SP No.2 3-9-4

BRACING-

TOP CHORD 2-0-0 oc purlins (2-4-4 max.) [PSA]
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 5-10-11 oc bracing.
WEBS 1 Row at midpt E-T, I-O, E-V, H-V
JOINTS 1 Brace at Jt(s): F, H, U, V

REACTIONS. (lb/size) B=2910/0-5-8, M=2705/Mechanical, Q=570/0-5-8
Max Horz B=-890(LC 4)
Max Uplift B=-922(LC 6), M=-648(LC 6), Q=-749(LC 4)
Max Grav B=3302(LC 14), M=2892(LC 2), Q=1214(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-4888/1207, C-D=-4777/1596, D-E=-4552/1646, E-F=-1659/980, F-G=-3134/1880, G-H=-3134/1880, H-I=-3989/1349, I-J=-3849/1050, J-K=-3936/1028, K-L=-4089/1039, L-M=-4245/990
BOT CHORD B-T=-1674/3788, T-W=-1199/3323, S-W=-1199/3323, R-S=-1199/3323, Q-R=-1199/3323, P-Q=-1199/3323, O-P=-1199/3323, N-O=-754/3257, M-N=-642/3238
WEBS C-T=-325/772, E-T=-871/831, E-R=0/1079, O-U=-552/1500, H-U=-441/1667, I-O=-762/986, I-N=-759/756, E-V=-1892/841, U-V=-726/257, F-V=-1076/1889, H-V=-1432/1188, G-V=-537/630, K-N=-198/501

NOTES- (16)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
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) Ceiling dead load (5.0 psf) on member(s). E-V, U-V; Wall dead load (5.0psf) on member(s).E-R, O-U
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. Q-R, O-Q
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 922 lb uplift at joint B, 648 lb uplift at joint M and 749 lb uplift at joint Q.
12) Fixity of member 16 - 15 has been changed.

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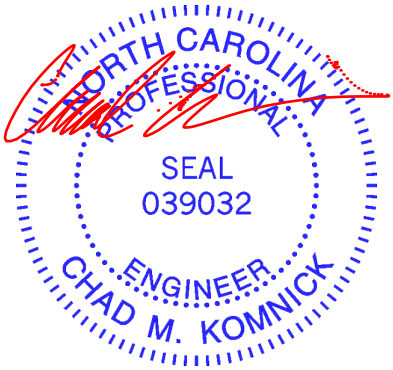

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NOTES- (16)

13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) Attic room checked for L/360 deflection.
16) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A09	ATTIC	6	1	I28709764
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:13 2017 Page 1
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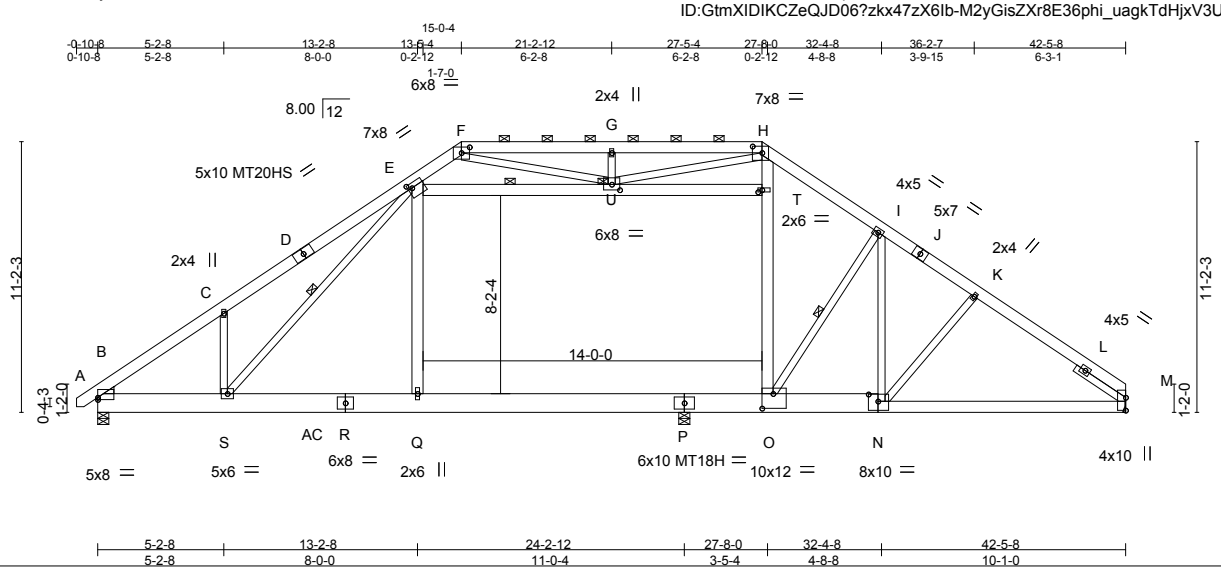


Plate Offsets (X,Y)-- [B:0-0-0,0-1-1], [E:0-2-0,0-2-4], [F:0-4-0,0-2-13], [H:0-4-12,0-3-4], [N:0-4-12,0-3-8], [O:0-5-8,0-7-4], [T:0-2-0,0-1-0], [U:0-4-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.36	P-Q	>803	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(TL)	-0.70	Q	>414	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(TL)	0.10	M	n/a	n/a	MT18H	244/190
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.35	Q-S	>824	240	Weight: 421 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.1 *Except*
M-N: 2x6 SP No.2, N-P: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
E-Q,H-O,E-T: 2x6 SP No.2
WEDGE
Left: 2x4 SP No.3
SLIDER Right 2x4 SP No.2 2-6-0

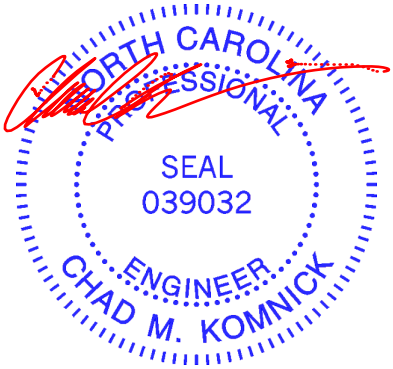
BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-11-13 max.): F-H.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt E-S, I-O, E-U
JOINTS 1 Brace at Jt(s): U

REACTIONS. (lb/size) B=1820/0-5-8, M=1700/Mechanical, P=392/0-5-8
Max Horz B=544(LC 7)
Max Uplift B=-557(LC 8), M=-398(LC 8), P=-445(LC 6)
Max Grav B=2056(LC 16), M=1809(LC 2), P=802(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2950/1538, C-D=-3013/1954, D-E=-2874/1983, E-F=-1078/908, F-G=-1906/1793, G-H=-1906/1793, H-I=-2521/1596, I-J=-2347/1578, J-K=-2402/1564, K-L=-2541/1597, L-M=-729/286
BOT CHORD B-S=-1133/2392, S-AC=-741/2093, R-AC=-741/2093, Q-R=-741/2093, P-Q=-729/2113, O-P=-729/2113, N-O=-870/1992, M-N=-1097/2008
WEBS C-S=-403/711, E-S=-721/534, E-Q=0/729, O-T=-378/937, H-T=-325/1038, I-O=-514/662, I-N=-589/504, E-U=-1169/709, T-U=-445/160, F-U=-1046/1058, H-U=-918/677, G-U=-314/433, K-N=-128/353

NOTES- (15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
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) Ceiling dead load (5.0 psf) on member(s). E-U, T-U; Wall dead load (5.0psf) on member(s).E-Q, O-T
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. P-Q, O-P
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 557 lb uplift at joint B, 398 lb uplift at joint M and 445 lb uplift at joint P.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Attic room checked for L/360 deflection.

Continued on page 2



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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A10	ATTIC	14	1	I28709765
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686

7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:14 2017 Page 1
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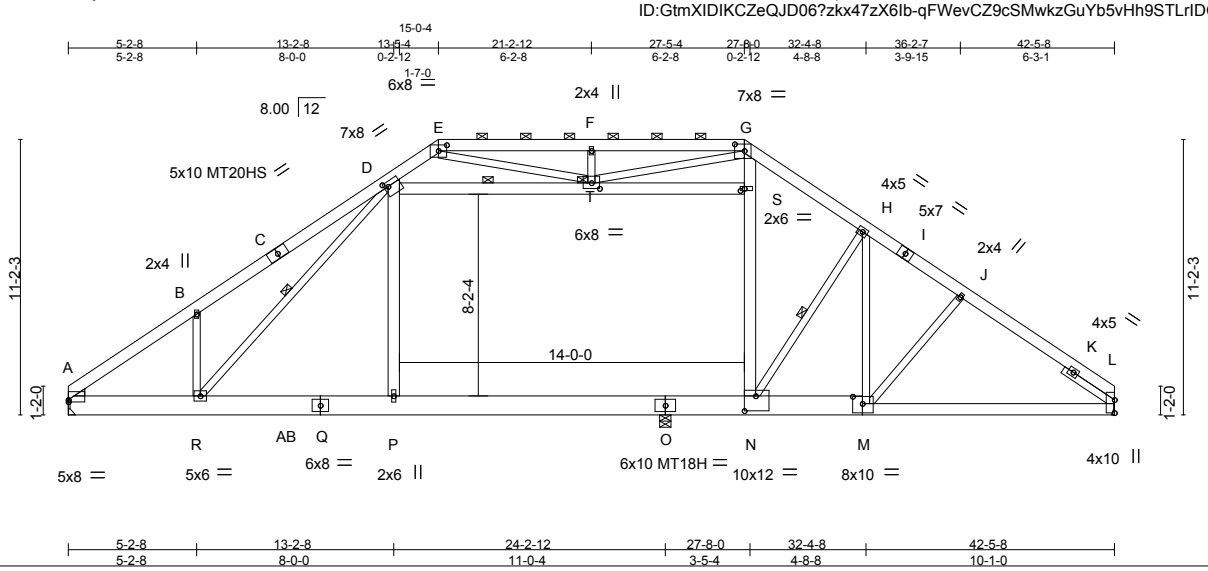

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Plate Offsets (X,Y)-- [A:0-0-0,0-1-1], [D:0-2-0,0-2-4], [E:0-4-0,0-2-13], [G:0-4-12,0-3-4], [M:0-4-12,0-3-8], [N:0-5-8,0-7-4], [S:0-2-0,0-1-0], [T:0-4-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.36	O-P	>803	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(TL)	-0.70	P	>413	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(TL)	0.10	L	n/a	n/a	MT18H	244/190
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.35	P-R	>823	240	Weight: 419 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.1 *Except*
L-M: 2x6 SP No.2, M-O: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
D-P,G-N,D-S: 2x6 SP No.2
WEDGE
Left: 2x4 SP No.3
SLIDER Right 2x4 SP No.2 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-11-12 max.): E-G.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt D-R, H-N, D-T
JOINTS 1 Brace at Jt(s): T

REACTIONS. (lb/size) A=1777/Mechanical, L=1701/Mechanical, O=391/0-5-8
Max Horz A=527(LC 7)
Max Uplift A=-497(LC 8), L=-399(LC 8), O=-445(LC 6)
Max Grav A=2019(LC 16), L=1809(LC 2), O=802(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2953/1539, B-C=-3017/1956, C-D=-2879/1985, D-E=-1079/908, E-F=-1907/1794, F-G=-1907/1794, G-H=-2523/1596, H-I=-2348/1578, I-J=-2403/1564, J-K=-2542/1597, K-L=-729/286
BOT CHORD A-R=-1135/2395, R-AB=-741/2094, Q-AB=-741/2094, P-Q=-741/2094, O-P=-729/2114, N-O=-729/2114, M-N=-871/1993, L-M=-1097/2008
WEBS B-R=-406/713, D-R=-723/538, D-P=0/729, N-S=-379/937, G-S=-325/1038, H-N=-514/662, H-M=-590/504, D-T=-1169/709, S-T=-446/160, E-T=-1046/1058, G-T=-918/677, F-T=-314/433, J-M=-128/352

NOTES- (15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
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) Ceiling dead load (5.0 psf) on member(s). D-T, S-T; Wall dead load (5.0psf) on member(s).D-P, N-S
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. O-P, N-O
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 497 lb uplift at joint A, 399 lb uplift at joint L and 445 lb uplift at joint O.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Attic room checked for L/360 deflection.

Continued on page 2

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A11	ATTIC	1	1	I28709766
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:15 2017 Page 1
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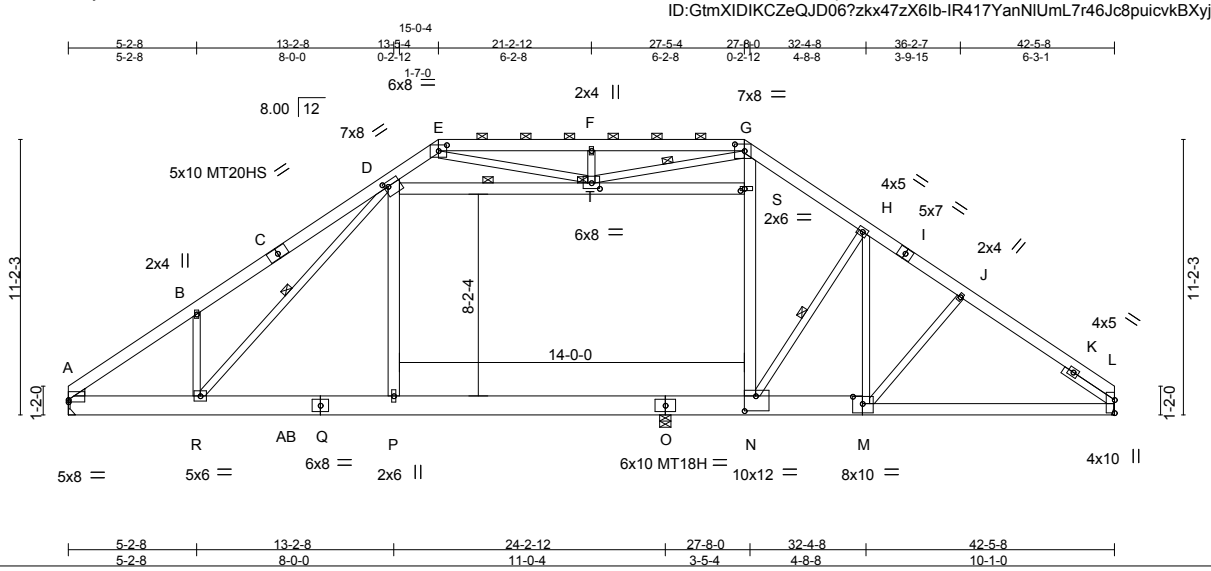


Plate Offsets (X,Y)-- [A:0-0-0,0-1-1], [D:0-2-0,0-2-4], [E:0-4-0,0-2-13], [G:0-4-12,0-3-4], [M:0-4-12,0-3-8], [N:0-5-8,0-7-4], [S:0-2-0,0-1-0], [T:0-4-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.36	O-P	>803	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(TL)	-0.70	P	>413	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(TL)	0.10	L	n/a	n/a	MT18H	244/190
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.44	P-R	>662	240	Weight: 419 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.1 *Except*
L-M: 2x6 SP No.2, M-O: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
D-P,G-N,D-S: 2x6 SP No.2
WEDGE
Left: 2x4 SP No.3
SLIDER Right 2x4 SP No.2 2-6-0

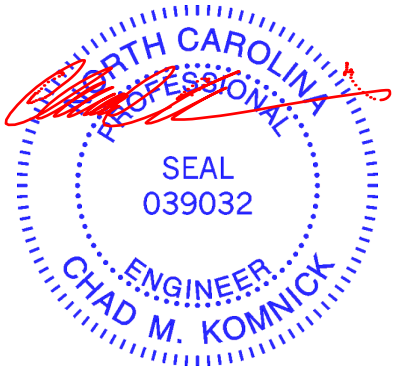
BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-11-12 max.): E-G.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt D-R, H-N, D-T, G-T
JOINTS 1 Brace at Jt(s): T

REACTIONS. (lb/size) A=1777/Mechanical, L=1701/Mechanical, O=391/0-5-8
Max Horz A=658(LC 7)
Max Uplift A=-1016(LC 8), L=-889(LC 8), O=-634(LC 6)
Max Grav A=2019(LC 16), L=1809(LC 2), O=802(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2953/1539, B-C=-3017/1956, C-D=-2879/1985, D-E=-1079/1039, E-F=-1907/1850, F-G=-1907/1850, G-H=-2523/1596, H-I=-2348/1578, I-J=-2403/1564, J-K=-2542/1597, K-L=-729/286
BOT CHORD A-R=-1497/2395, R-AB=-1142/2094, Q-AB=-1142/2094, P-Q=-1142/2094, O-P=-1128/2114, N-O=-1128/2114, M-N=-871/1993, L-M=-1097/2008
WEBS B-R=-406/784, D-R=-846/538, D-P=0/729, N-S=-541/937, G-S=-489/1038, H-N=-675/796, H-M=-642/647, D-T=-1169/805, S-T=-446/205, E-T=-1046/1058, G-T=-1396/677, F-T=-314/583, J-M=-177/425

NOTES- (15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
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) Ceiling dead load (5.0 psf) on member(s). D-T, S-T; Wall dead load (5.0psf) on member(s).D-P, N-S
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. O-P, N-O
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1016 lb uplift at joint A, 889 lb uplift at joint L and 634 lb uplift at joint O.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Attic room checked for L/360 deflection.

Continued on page 2



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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A13	Attic	1	1	I28709767
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:15 2017 Page 1
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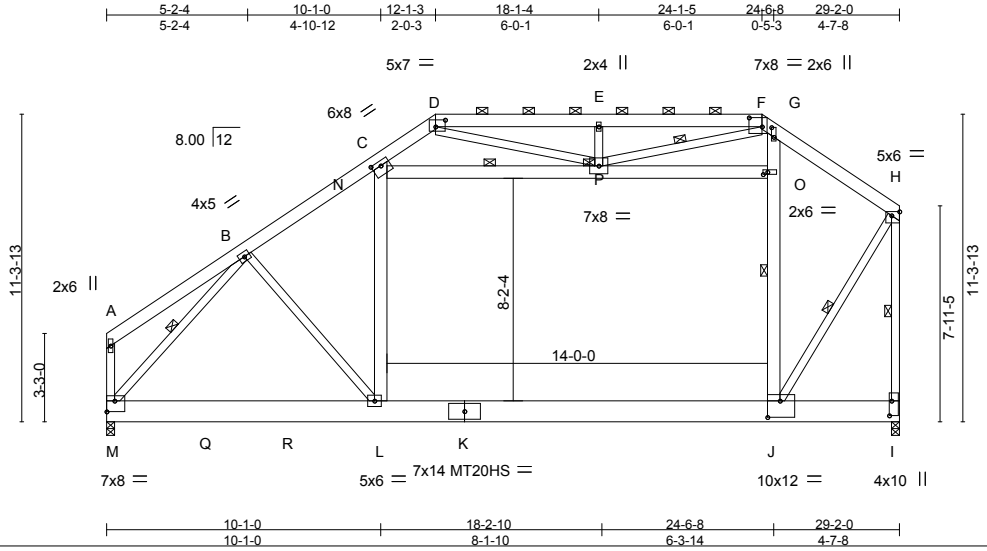


Plate Offsets (X,Y)-- [C:0-4-0,0-2-0], [D:0-4-4,0-3-0], [F:0-5-12,0-4-0], [G:0-4-4,0-1-0], [H:Edge,0-1-12], [I:0-6-8,0-1-0], [J:0-5-8,0-7-4], [M:Edge,0-4-12], [O:0-2-0,0-1-0]

LOADING (psf)		**SPACING-** 2-0-0		**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.34	J-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(TL)	-0.75	J-L	>461	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.02	I	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.55	L-M	>631	240	Weight: 335 lb	FT = 20%

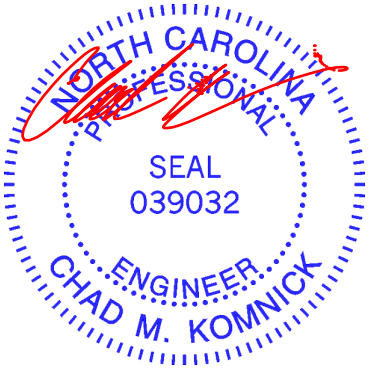
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.1 *Except*
I-K: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
C-L,G-J,N-O: 2x6 SP No.2, A-M,H-I: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-6-6 max.): D-F.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt J-O, N-P, B-M, H-I, H-J, F-P
JOINTS 1 Brace at Jt(s): P

REACTIONS. (lb/size) M=1344/0-3-8, I=1432/0-3-8
Max Horz M=943(LC 7)
Max Uplift M=-573(LC 8), I=-482(LC 7)
Max Grav M=1625(LC 2), I=1818(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-144/314, B-C=-1576/721, C-D=-1273/1064, D-E=-1448/1476, E-F=-1448/1476, F-G=-841/758, G-H=-1296/728, A-M=-151/294, H-I=-2518/1033
BOT CHORD M-Q=-1007/1121, Q-R=-1007/1121, L-R=-1007/1121, K-L=-654/1140, J-K=-654/1140, I-J=-151/267
WEBS B-L=-332/562, L-N=0/660, C-N=0/693, J-O=-378/596, G-O=-253/583, N-P=-713/345, O-P=-423/300, B-M=-1647/619, H-J=-884/2082, D-P=-1153/485, E-P=-284/625, F-P=-1444/1023

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
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) Ceiling dead load (5.0 psf) on member(s). N-P, O-P; Wall dead load (5.0psf) on member(s).L-N, J-O
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. J-L
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 573 lb uplift at joint M and 482 lb uplift at joint I.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.
14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A14	ATTIC	1	1	I28709768
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:16 2017 Page 1
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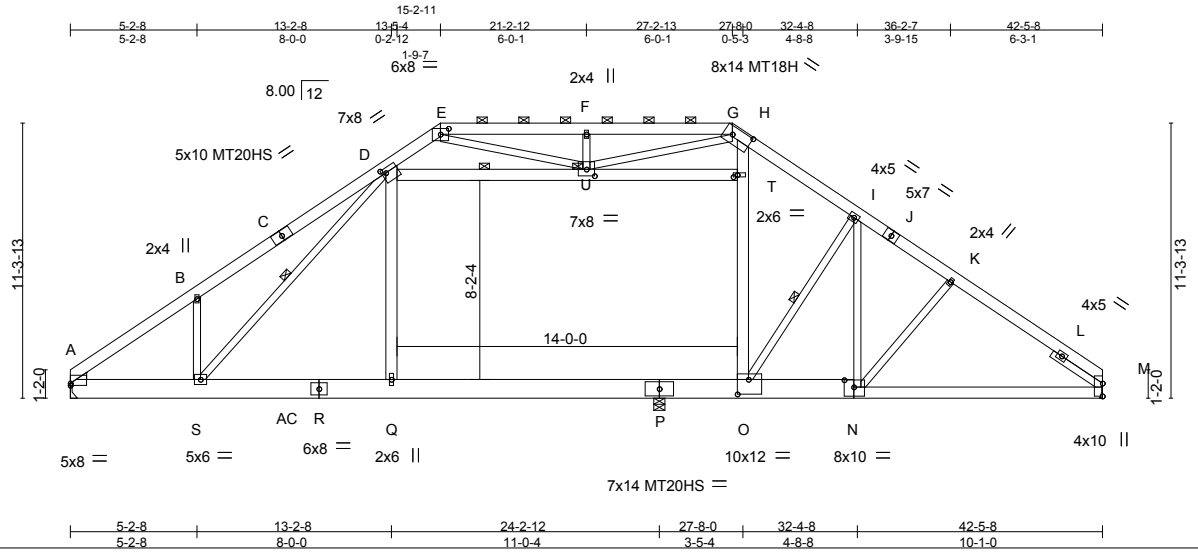

Plate Offsets (X,Y)-- [A:0-0-0,0-1-1], [D:0-2-0,0-2-4], [E:0-4-0,0-2-13], [G:0-9-12,0-3-12], [N:0-4-12,0-3-8], [O:0-5-8,0-7-4], [T:0-2-0,0-1-0], [U:0-4-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.38	P-Q	>772	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(TL)	-0.74	Q	>395	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.10	M	n/a	n/a	MT18H	244/190
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.45	Q-S	>648	240	Weight: 419 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.1 *Except*
M-N: 2x6 SP No.2, N-P: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
D-Q,H-O,D-T: 2x6 SP No.2
WEDGE
Left: 2x4 SP No.3
SLIDER Right 2x4 SP No.2 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-9-13 max.): E-G.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt D-S, I-O, D-U
JOINTS 1 Brace at Jt(s): U

REACTIONS. (lb/size) A=1763/Mechanical, M=1683/Mechanical, P=422/0-5-8
Max Horz A=667(LC 7)
Max Uplift A=-1007(LC 8), M=-877(LC 8), P=-610(LC 6)
Max Grav A=1999(LC 16), M=1781(LC 2), P=842(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2929/1525, B-C=-2998/1947, C-D=-2856/1974, D-E=-1064/1005, E-F=-1745/1688, F-G=-1745/1688, G-H=-1498/1263, H-I=-2477/1569, I-J=-2298/1555, J-K=-2359/1541, K-L=-2496/1573, L-M=-719/280
BOT CHORD A-S=-1492/2376, S-AC=-1133/2051, R-AC=-1133/2051, Q-R=-1133/2051, P-Q=-1119/2070, O-P=-1119/2070, N-O=-854/1962, M-N=-1078/1971
WEBS B-S=-412/790, D-S=-869/562, D-Q=0/698, O-T=-541/939, H-T=-466/991, I-O=-678/778, I-N=-653/652, D-U=-1142/775, T-U=-421/212, E-U=-900/910, G-U=-1294/543, F-U=-290/602, K-N=-177/422

NOTES- (15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
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) Ceiling dead load (5.0 psf) on member(s). D-U, T-U; Wall dead load (5.0psf) on member(s).D-Q, O-T
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. P-Q, O-P
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1007 lb uplift at joint A, 877 lb uplift at joint M and 610 lb uplift at joint P.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Attic room checked for L/360 deflection.

Continued on page 2

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A21	GABLE	1	1	I28709769
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:17 2017 Page 1
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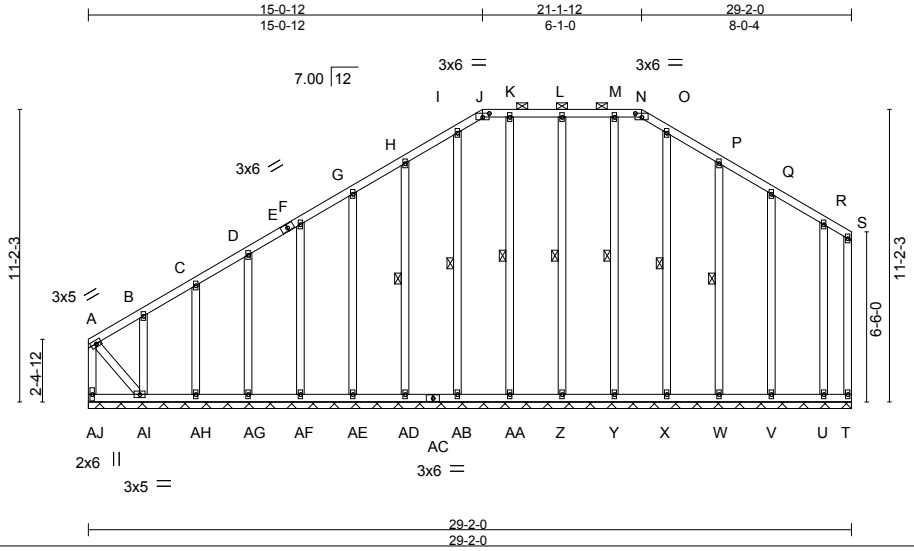

Plate Offsets (X,Y)-- [J:0-3-0,0-1-12], [N:0-3-0,0-1-12]

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	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(TL)	-0.00	T	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 274 lb	FT = 20%

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.): J-N.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-11-2 oc bracing: AI-AJ.
WEBS 1 Row at midpt L-Z, K-AA, I-AB, H-AD, M-Y, O-X, P-W

REACTIONS. All bearings 29-2-0.
(lb) - Max Horz AJ=447(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) T, AA, AB, Y, X, U except AJ=-401(LC 6), Z=-129(LC 6), AD=-129(LC 8), AE=-112(LC 8), AF=-114(LC 8), AG=-114(LC 8), AH=-113(LC 8), AI=-585(LC 7), W=-136(LC 9), V=-116(LC 9)
Max Grav All reactions 250 lb or less at joint(s) T, Z, AA, AB, AD, AE, AF, AG, AH, Y, X, W, V, U except AJ=718(LC 7), AI=336(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-AJ=-703/408, A-B=-492/296, B-C=-422/291, C-D=-354/288, D-E=-287/278, E-F=-276/284, F-G=-220/281, G-H=-152/277, H-I=-86/345, I-J=-31/380, J-K=-10/379, K-L=-10/379, L-M=-10/379, M-N=-10/379, N-O=-31/380, O-P=-30/344
BOT CHORD AI-AJ=-443/250
WEBS A-AI=-370/658

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, AA, AB, Y, X, U except (jt=lb) AJ=401, Z=129, AD=129, AE=112, AF=114, AG=114, AH=113, AI=585, W=136, V=116.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 9,2017

ENGINEERING BY TRENCO
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A22	Piggyback Base	11	1	I28709770
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:18 2017 Page 1
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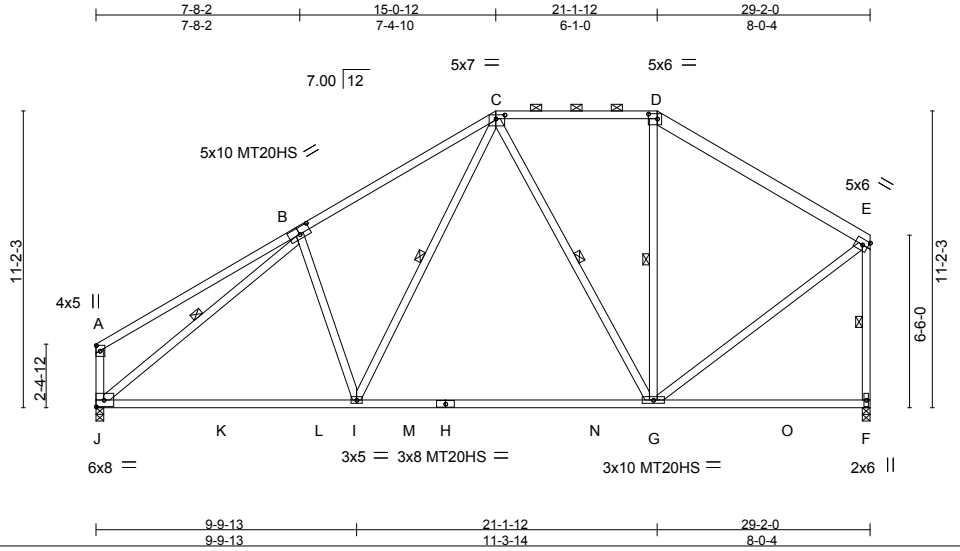

Plate Offsets (X,Y)-- [B:0-5-0,0-3-0], [C:0-4-0,0-1-12], [D:0-4-0,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	-0.52	G-I	>668	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.94	Vert(TL)	-0.89	G-I	>391	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(TL)	0.04	F	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.07	G-I	>999	240	Weight: 202 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
D-E: 2x6 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
C-G: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): C-D.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt C-I, C-G, D-G, B-J, E-F

REACTIONS. (lb/size) J=1155/0-3-8, F=1155/0-3-8
Max Horz J=447(LC 7)
Max Uplift J=-386(LC 8), F=-357(LC 8)
Max Grav J=1202(LC 2), F=1232(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-246/320, B-C=-1345/1189, C-D=-692/814, D-E=-901/740, A-J=-276/379, E-F=-1117/945
BOT CHORD J-K=-968/1106, K-L=-968/1106, I-L=-968/1106, I-M=-582/814, H-M=-582/814, H-N=-582/814, G-N=-582/814
WEBS B-I=-212/583, C-I=-458/601, C-G=-318/352, D-G=-132/300, B-J=-1305/720, E-G=-517/849

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
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) except (jt=lb) J=386, F=357.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 9,2017

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A23	Piggyback Base	2	1	I28709771
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:18 2017 Page 1
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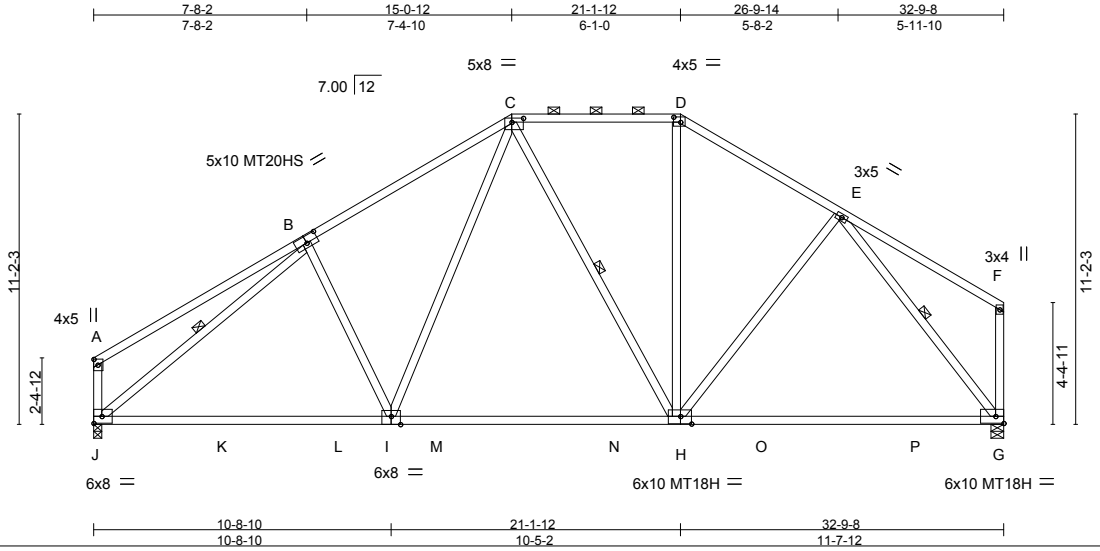

Plate Offsets (X,Y)-- [B:0-5-0,0-3-0], [C:0-5-0,0-1-12], [D:0-3-0,0-2-4], [H:0-4-12,0-3-4], [I:0-4-0,Edge]

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	0.96	Vert(LL)	-0.44	G-H	>892	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.93	Vert(TL)	-0.93	G-H	>420	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.06	G	n/a	n/a	MT18H	244/190
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.09	H-I	>999	240	Weight: 215 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-5-5 max.): C-D.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt C-H, B-J, E-G

REACTIONS. (lb/size) J=1300/0-3-8, G=1300/0-5-8
Max Horz J=452(LC 7)
Max Uplift J=-441(LC 8), G=-415(LC 9)
Max Grav J=1370(LC 2), G=1391(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-277/311, B-C=-1537/1335, C-D=-1011/1070, D-E=-1248/1111, A-J=-288/375
BOT CHORD J-K=-969/1269, K-L=-969/1269, I-L=-969/1269, I-M=-606/1051, M-N=-606/1051, H-N=-606/1051, H-O=-620/869, O-P=-620/869, G-P=-620/869
WEBS B-I=-184/526, C-I=-368/521, C-H=-226/338, D-H=-150/318, E-H=-201/308, B-J=-1468/952, E-G=-1296/1002

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
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) except (jt=lb) J=441, G=415.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 9,2017

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A24	PIGGYBACK BASE	1	1	I28709772
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:19 2017 Page 1
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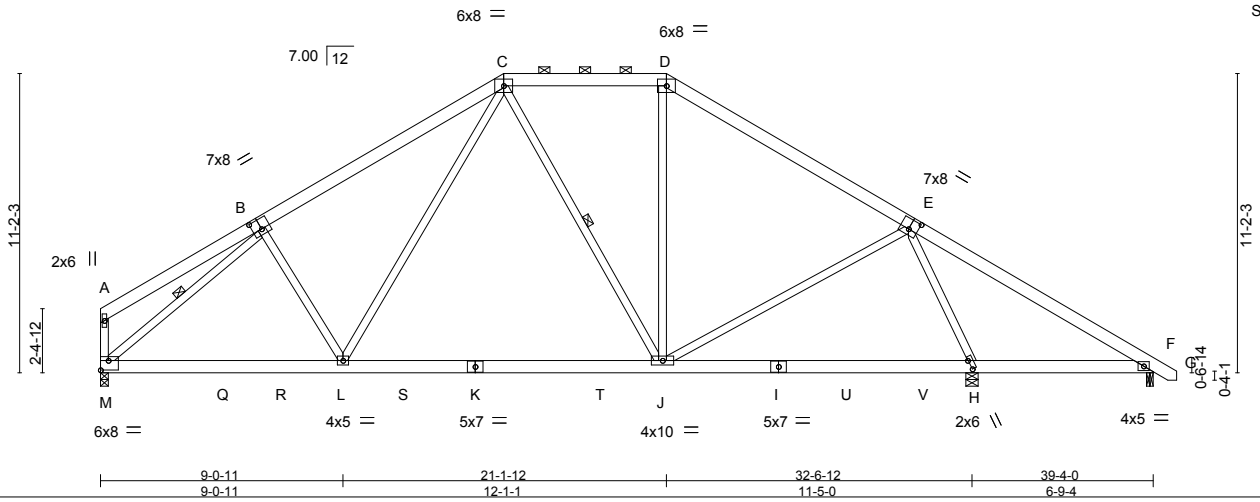


Plate Offsets (X,Y)-- [B:0-4-0,0-4-8], [E:0-4-0,0-4-8], [H:0-4-6,0-0-4], [M:Edge,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.25	J-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.66	Vert(TL)	-0.42	J-L	>934	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.04	H	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.08	J-L	>999	240	Weight: 295 lb	FT = 20%

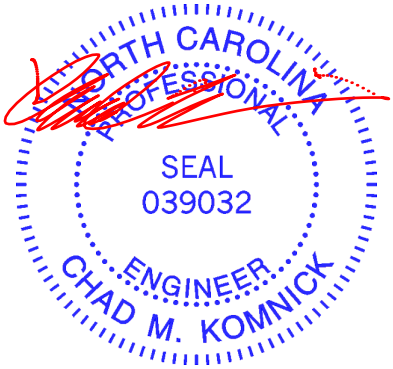
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): C-D.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt C-J, B-M

REACTIONS. (lb/size) H=1620/0-5-8, F=268/0-3-0, M=1289/0-3-8
Max Horz M=-567(LC 6)
Max Uplift H=-631(LC 9), F=-383(LC 9), M=-452(LC 8)
Max Grav H=1625(LC 2), F=293(LC 14), M=1289(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1495/1369, C-D=-951/1128, D-E=-1228/1108
BOT CHORD M-Q=-709/1198, Q-R=-709/1198, L-R=-709/1198, L-S=-427/980, K-S=-427/980, K-T=-427/980, J-T=-427/980, I-J=-340/563, I-U=-340/563, U-V=-340/563, H-V=-340/563
WEBS B-L=-143/484, C-L=-322/440, C-J=-253/374, D-J=-72/269, E-J=-223/534, E-H=-1502/1293, B-M=-1555/1172

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) H=631, F=383, M=452.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



January 9,2017

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A25	PIGGYBACK BASE	3	1	I28709773
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:20 2017 Page 1
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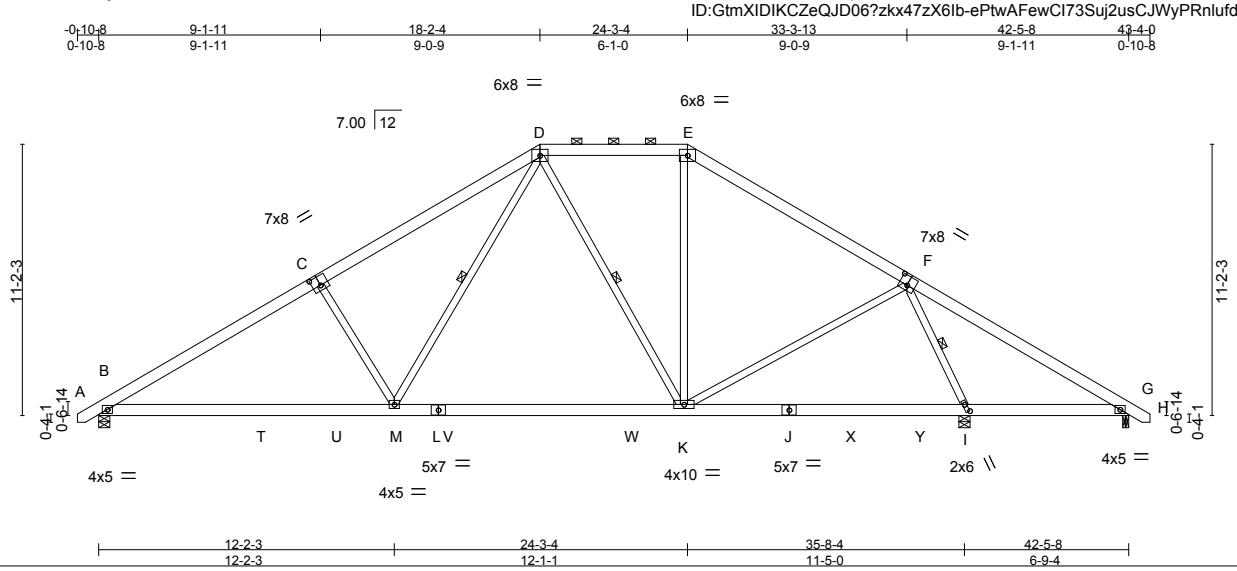

Plate Offsets (X,Y)-- [C:0-4-0,0-4-8], [F:0-4-0,0-4-8], [I:0-4-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.23	K-M	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(TL)	-0.40	K-M	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(TL)	0.05	I	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.11	M-P	>999	240	Weight: 300 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): D-E.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt D-M, D-K, F-I

REACTIONS. (lb/size) B=1455/0-5-8, I=1843/0-5-8, G=184/0-3-0
Max Horz B=-556(LC 6)
Max Uplift B=-577(LC 8), I=-685(LC 9), G=-365(LC 9)
Max Grav B=1455(LC 1), I=1874(LC 2), G=239(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2224/1685, C-D=-2033/1738, D-E=-1063/1205, E-F=-1357/1197, F-G=-106/366
BOT CHORD B-T=-1192/1866, T-U=-1192/1866, M-U=-1192/1866, L-M=-466/1184, L-V=-466/1184, V-W=-466/1184, K-W=-466/1184, J-K=-305/522, J-X=-305/522, X-Y=-305/522, I-Y=-305/522, G-I=-225/308
WEBS C-M=-520/829, D-M=-678/943, D-K=-371/413, E-K=-88/322, F-K=-274/703, F-I=-1738/1482

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=577, I=685, G=365.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 9,2017

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A25A	PIGGYBACK BASE	1	1	I28709774
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:20 2017 Page 1
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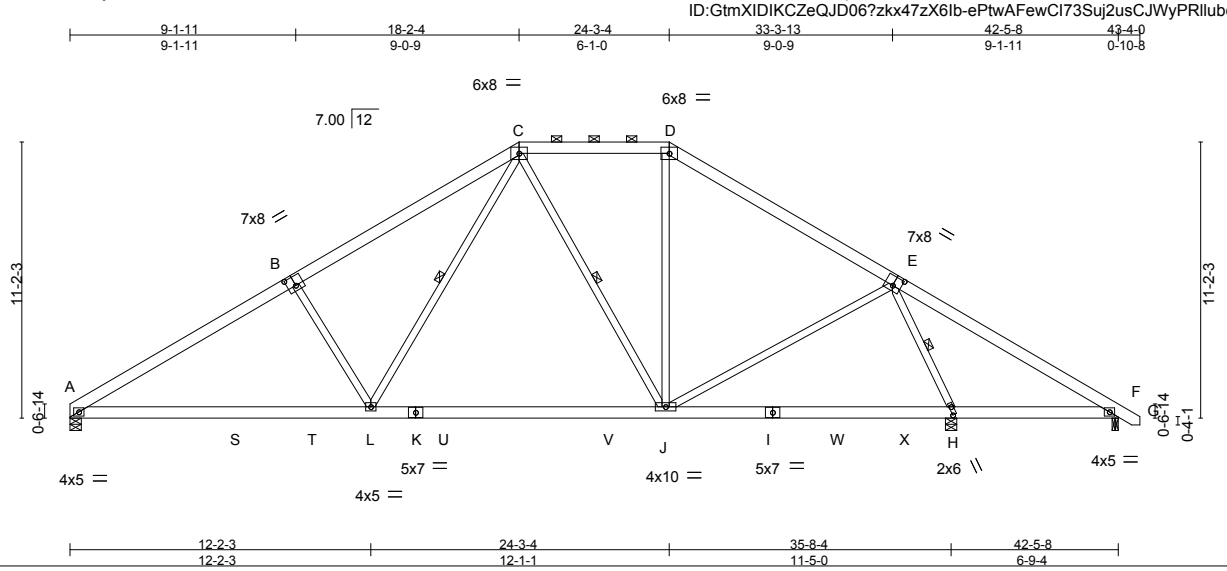


Plate Offsets (X,Y)-- [B:0-4-0,0-4-8], [E:0-4-0,0-4-8], [H:0-4-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.23	J-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(TL)	-0.39	J-L	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(TL)	0.05	H	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.11	L-O	>999	240	Weight: 298 lb	FT = 20%

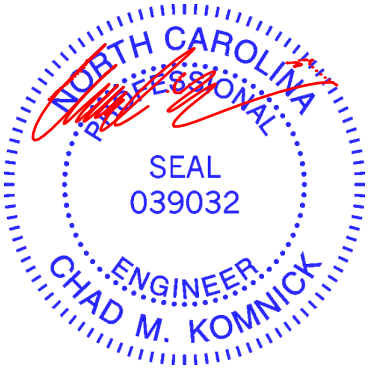
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): C-D.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt C-L, C-J, E-H

REACTIONS. (lb/size) A=1411/0-5-8, H=1844/0-5-8, F=184/0-3-0
Max Horz A=-572(LC 6)
Max Uplift A=-517(LC 8), H=-685(LC 9), F=-365(LC 9)
Max Grav A=1418(LC 2), H=1875(LC 2), F=238(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2228/1688, B-C=-2037/1741, C-D=-1064/1205, D-E=-1358/1197, E-F=-106/366
BOT CHORD A-S=-1197/1870, S-T=-1197/1870, L-T=-1197/1870, K-L=-466/1185, K-U=-466/1185, U-V=-466/1185, J-V=-466/1185, I-J=-306/522, I-W=-306/522, W-X=-306/522, H-X=-306/522, F-H=-226/308
WEBS B-L=-523/831, C-L=-682/947, C-J=-372/414, D-J=-88/323, E-J=-274/703, E-H=-1739/1483

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=517, H=685, F=365.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A26	PIGGYBACK BASE	1	1	I28709775
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:21 2017 Page 1
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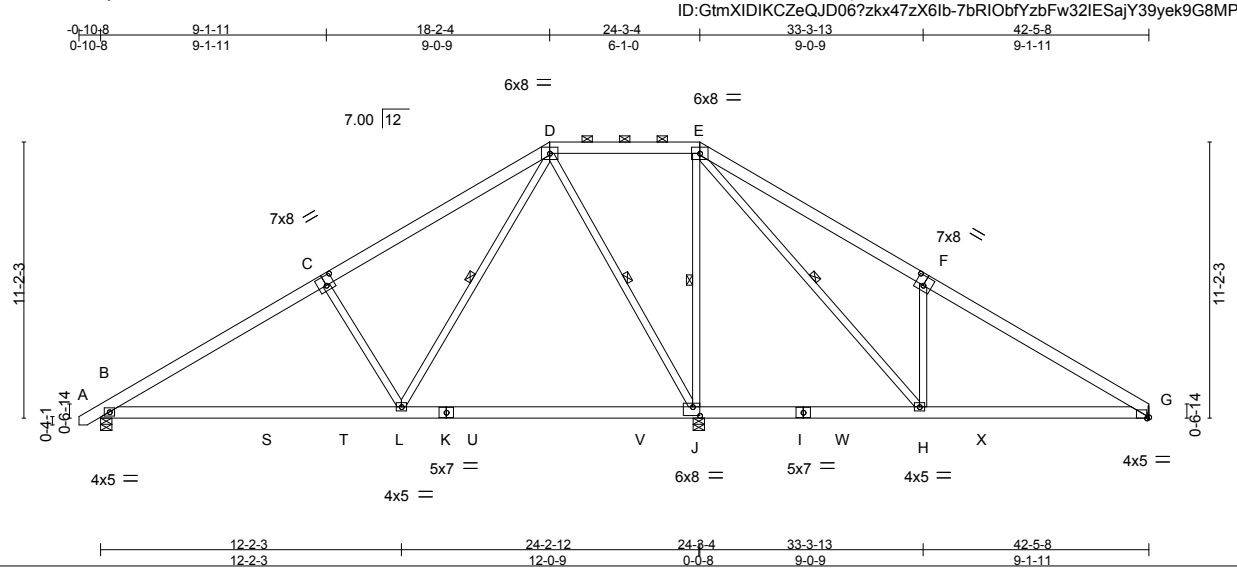

Plate Offsets (X,Y)-- [C:0-4-0,0-4-8], [F:0-4-0,0-4-8], [G:0-1-1,Edge], [J:0-3-8,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.17	J-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(TL)	-0.30	J-L	>979	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(TL)	0.02	G	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.09	L-O	>999	240	Weight: 302 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (10-0-0 max.): D-E.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt D-L, D-J, E-J, E-H

REACTIONS. (lb/size) B=832/0-5-8, J=2108/0-5-8, G=499/Mechanical
Max Horz B=572(LC 7)
Max Uplift B=-376(LC 8), J=-635(LC 8), G=-263(LC 9)
Max Grav B=873(LC 13), J=2321(LC 2), G=567(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1037/767, C-D=-821/820, D-E=-10/398, E-F=-634/860, F-G=-572/339
BOT CHORD B-S=-656/834, S-T=-656/834, L-T=-656/834, K-L=-279/358, K-U=-279/358, U-V=-279/358, J-V=-279/358, I-J=-385/699, I-W=-385/699, H-W=-385/699, H-X=-142/429, G-X=-142/429
WEBS C-L=-531/839, D-L=-676/953, D-J=-987/808, E-J=-1044/986, E-H=-1155/1032, F-H=-595/957

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=376, J=635, G=263.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A26A	PIGGYBACK BASE	1	1	I28709776
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:21 2017 Page 1
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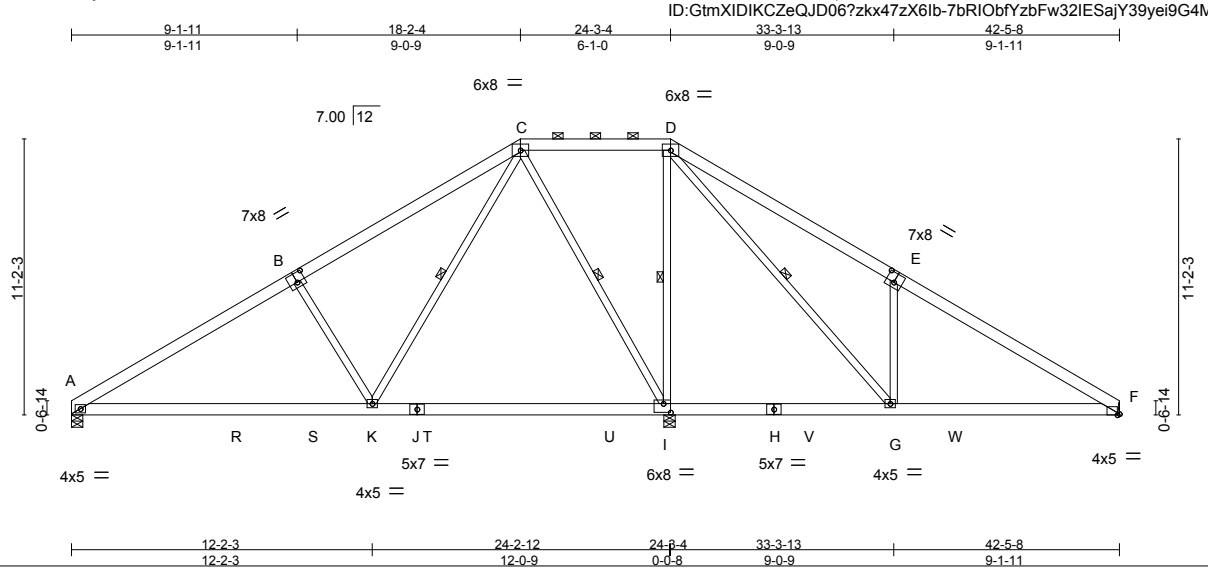

Plate Offsets (X,Y)-- [B:0-4-0,0-4-8], [E:0-4-0,0-4-8], [F:0-1-1,Edge], [I:0-3-8,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.17	I-K	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(TL)	-0.29	I-K	>983	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(TL)	0.02	F	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.10	K-N	>999	240	Weight: 300 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (10-0-0 max.): C-D.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt C-K, C-I, D-I, D-G

REACTIONS. (lb/size) A=788/0-5-8, I=2109/0-5-8, F=499/Mechanical
Max Horz A=-557(LC 6)
Max Uplift A=-316(LC 8), I=-636(LC 8), F=-263(LC 9)
Max Grav A=829(LC 13), I=2322(LC 2), F=567(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-1040/770, B-C=-824/822, C-D=-10/398, D-E=-634/860, E-F=-572/339
BOT CHORD A-R=-657/837, R-S=-657/837, K-S=-657/837, J-K=-280/358, J-T=-280/358, T-U=-280/358, I-U=-280/358, H-I=-385/699, H-V=-385/699, G-V=-385/699, G-W=-142/429, F-W=-142/429
WEBS B-K=-533/840, C-K=-680/957, C-I=-989/809, D-I=-1044/986, D-G=-1155/1032, E-G=-595/957

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=316, I=636, F=263.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A27	PIGGYBACK BASE	2	1	I28709777
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:22 2017 Page 1
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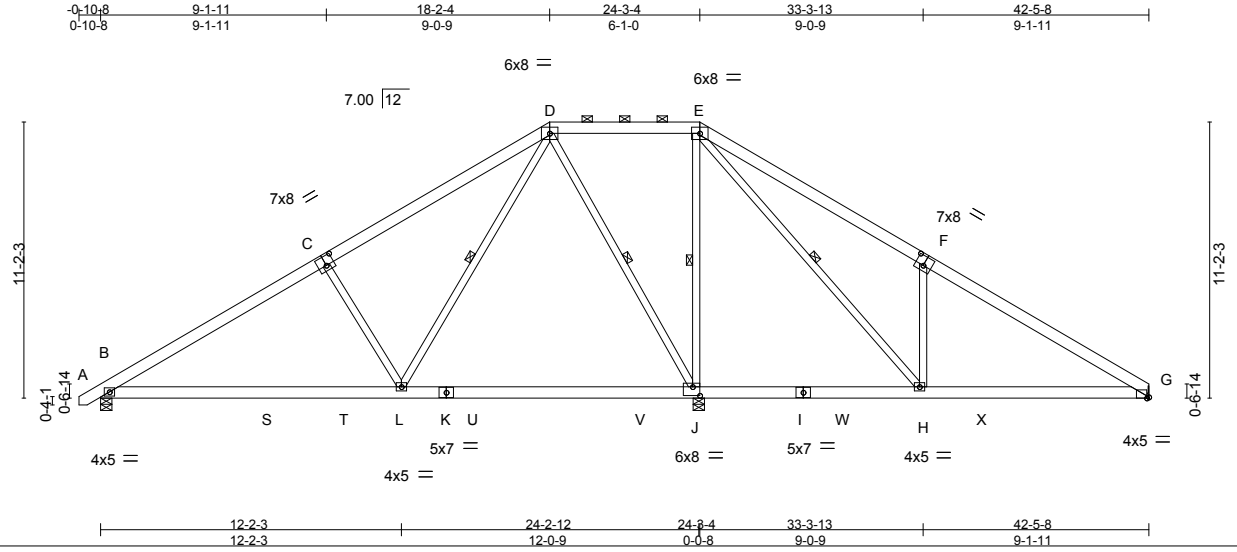

Plate Offsets (X,Y)-- [C:0-4-0,0-4-8], [F:0-4-0,0-4-8], [G:0-1-1,Edge], [J:0-3-8,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.17	J-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(TL)	-0.30	J-L	>979	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(TL)	0.02	G	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.09	L-O	>999	240	Weight: 302 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (10-0-0 max.): D-E.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt D-L, D-J, E-J, E-H

REACTIONS. (lb/size) B=832/0-5-8, J=2108/0-5-8, G=499/Mechanical
Max Horz B=572(LC 7)
Max Uplift B=-376(LC 8), J=-635(LC 8), G=-263(LC 9)
Max Grav B=873(LC 13), J=2321(LC 2), G=567(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1037/767, C-D=-821/820, D-E=-10/398, E-F=-634/860, F-G=-572/339
BOT CHORD B-S=-656/834, S-T=-656/834, L-T=-656/834, K-L=-279/358, K-U=-279/358, U-V=-279/358, J-V=-279/358, I-J=-385/699, I-W=-385/699, H-W=-385/699, H-X=-142/429, G-X=-142/429
WEBS C-L=-531/839, D-L=-676/953, D-J=-987/808, E-J=-1044/986, E-H=-1155/1032, F-H=-595/957

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=376, J=635, G=263.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A27A	PIGGYBACK BASE	6	1	I28709778
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:22 2017 Page 1
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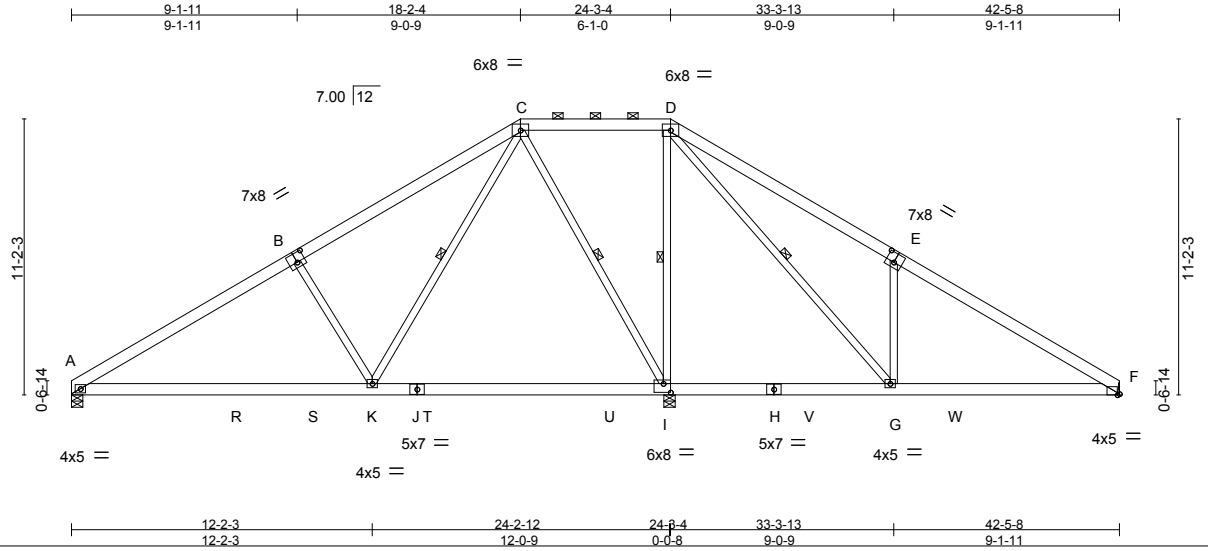

Plate Offsets (X,Y)-- [B:0-4-0,0-4-8], [E:0-4-0,0-4-8], [F:0-1-1,Edge], [I:0-3-8,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.17	I-K	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(TL)	-0.29	I-K	>983	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(TL)	0.02	F	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.10	K-N	>999	240	Weight: 300 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (10-0-0 max.): C-D.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt C-K, C-I, D-I, D-G

REACTIONS. (lb/size) A=788/0-5-8, I=2109/0-5-8, F=499/Mechanical
Max Horz A=-557(LC 6)
Max Uplift A=-316(LC 8), I=-636(LC 8), F=-263(LC 9)
Max Grav A=829(LC 13), I=2322(LC 2), F=567(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-1040/770, B-C=-824/822, C-D=-10/398, D-E=-634/860, E-F=-572/339
BOT CHORD A-R=-657/837, R-S=-657/837, K-S=-657/837, J-K=-280/358, J-T=-280/358, T-U=-280/358, I-U=-280/358, H-I=-385/699, H-V=-385/699, G-V=-385/699, G-W=-142/429, F-W=-142/429
WEBS B-K=-533/840, C-K=-680/957, C-I=-989/809, D-I=-1044/986, D-G=-1155/1032, E-G=-595/957

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=316, I=636, F=263.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A28	Piggyback Base	2	1	I28709779
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:23 2017 Page 1

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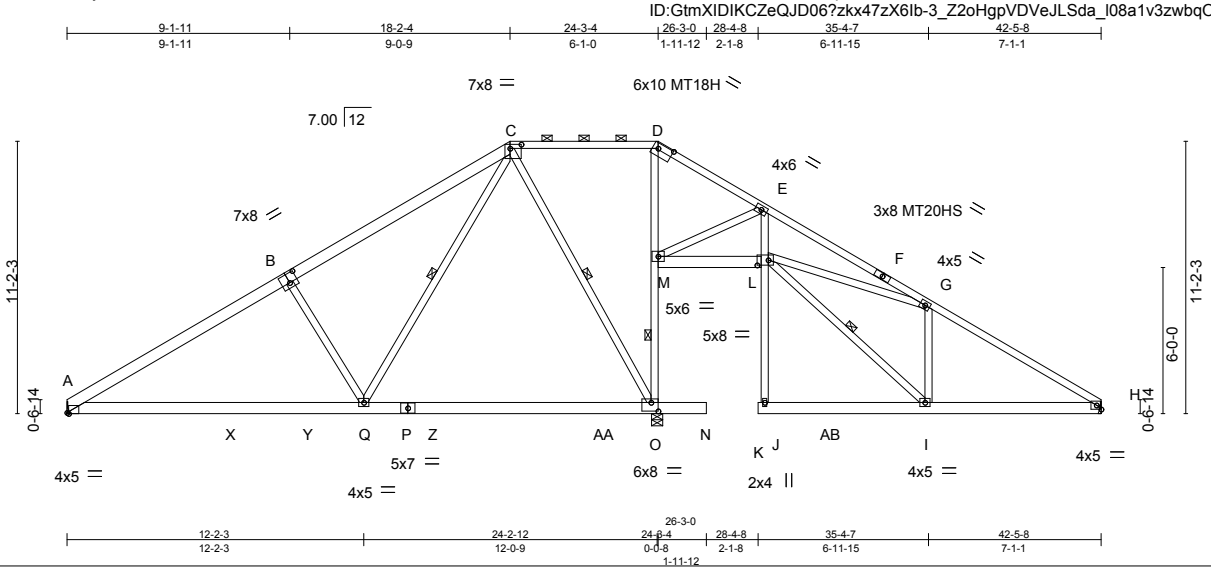

Plate Offsets (X,Y)-- [A:0-0-13,Edge], [B:0-4-0,0-4-8], [C:0-5-8,0-2-0], [D:0-7-6,0-2-8], [L:0-5-8,0-2-8], [O:0-3-8,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.27	O-Q	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(TL)	-0.48	O-Q	>609	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(TL)	0.06	H	n/a	n/a	MT18H	244/190
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.12	K	>999	240	Weight: 302 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* B-C,A-B: 2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* D-O,E-J: 2x4 SP No.2
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): C-D.
BOT CHORD	Rigid ceiling directly applied. Except: 5-8-0 oc bracing: M-O 10-0-0 oc bracing: J-L
WEBS	1 Row at midpt C-Q, C-O, I-L

REACTIONS. (lb/size) H=720/Mechanical, O=1765/0-5-8, A=959/Mechanical
Max Horz A=561(LC 7)
Max Uplift H=-503(LC 9), O=-304(LC 7), A=-456(LC 8)
Max Grav H=720(LC 1), O=1790(LC 2), A=966(LC 15)

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

TOP CHORD	A-B=-1363/1370, B-C=-1174/1426, C-D=-26/832, D-E=-65/837, E-F=-1434/2072, F-G=-1541/2035, G-H=-1022/1177
BOT CHORD	A-X=-964/1126, X-Y=-964/1126, Q-Y=-964/1126, P-Q=-254/407, P-Z=-254/407, Z-AA=-254/407, O-AA=-254/407, M-O=-929/514, D-M=-331/167, L-M=-1178/1203, H-I=-828/801, E-L=-846/1044
WEBS	B-Q=-539/858, C-Q=-695/1010, C-O=-811/528, E-M=-1339/1378, I-L=-1115/1077, G-L=-454/504, G-I=-557/820

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
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) except (jt=lb) H=503, O=304, A=456.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A29	PIGGYBACK BASE	9	1	I28709780
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:24 2017 Page 1
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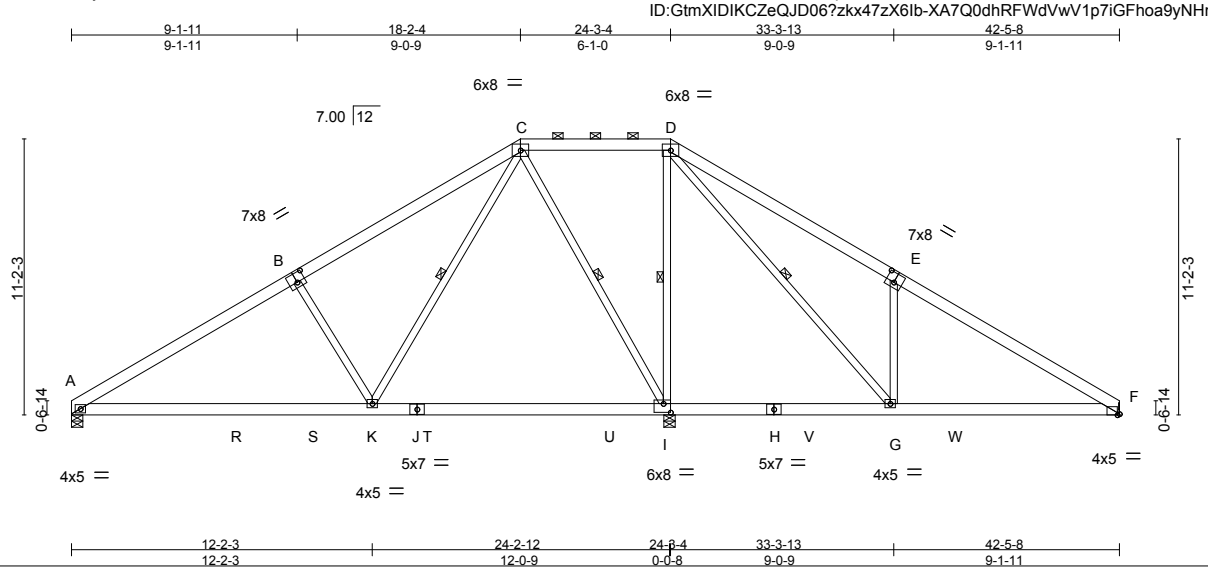

Plate Offsets (X,Y)-- [B:0-4-0,0-4-8], [E:0-4-0,0-4-8], [F:0-1-1,Edge], [I:0-3-8,0-4-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.17	I-K	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(TL)	-0.29	I-K	>983	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(TL)	0.02	F	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.10	K-N	>999	240	Weight: 300 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (10-0-0 max.): C-D.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt C-K, C-I, D-I, D-G

REACTIONS. (lb/size) A=788/0-5-8, I=2109/0-5-8, F=499/Mechanical
Max Horz A=-557(LC 6)
Max Uplift A=-316(LC 8), I=-636(LC 8), F=-263(LC 9)
Max Grav A=829(LC 13), I=2322(LC 2), F=567(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-1040/770, B-C=-824/822, C-D=-10/398, D-E=-634/860, E-F=-572/339
BOT CHORD A-R=-657/837, R-S=-657/837, K-S=-657/837, J-K=-280/358, J-T=-280/358, T-U=-280/358, I-U=-280/358, H-I=-385/699, H-V=-385/699, G-V=-385/699, G-W=-142/429, F-W=-142/429
WEBS B-K=-533/840, C-K=-680/957, C-I=-989/809, D-I=-1044/986, D-G=-1155/1032, E-G=-595/957

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=316, I=636, F=263.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 9,2017

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A30	GABLE	1	1	I28709781
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:25 2017 Page 1
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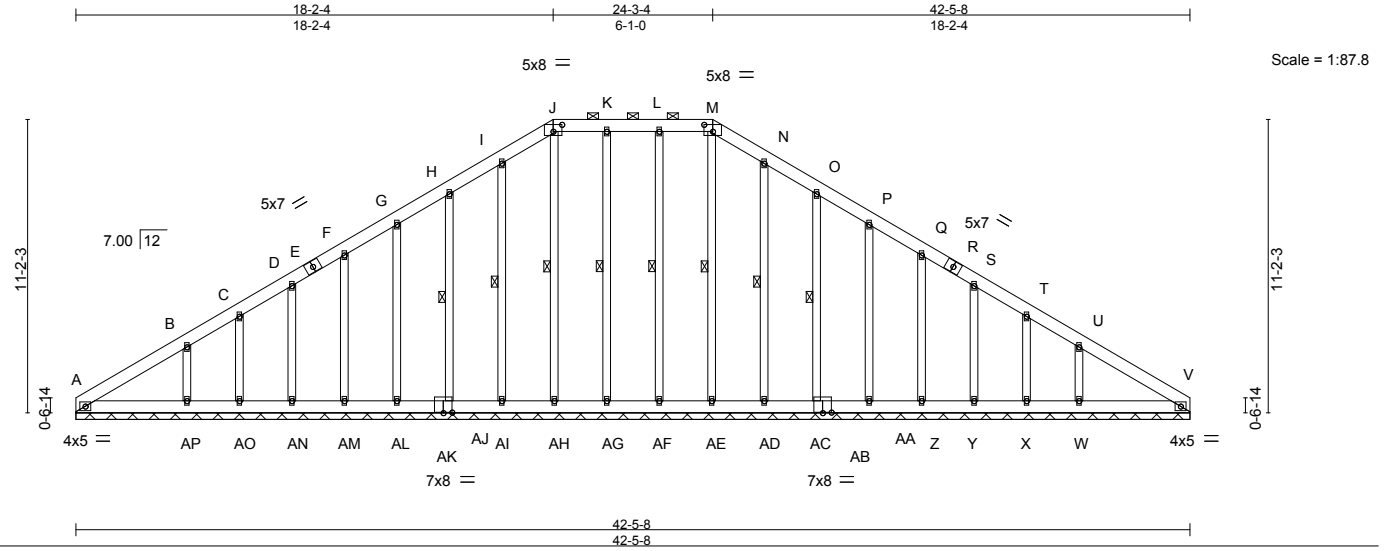

Plate Offsets (X,Y)-- [J:0-4-0,0-3-3], [M:0-4-0,0-3-3], [R:0-0-0,0-0-0], [AB:0-4-0,0-0-4], [AK:0-4-0,0-0-4]

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	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.01	V	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 391 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 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-M.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt K-AG, J-AH, I-AI, H-AJ, L-AF, M-AE, N-AD, O-AC

REACTIONS. All bearings 42-5-8.
(lb) - Max Horz A=-560(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) V, AG, AH, AI, AO, AF, AD, X except A=-133(LC 6), AJ=-124(LC 8), AL=-114(LC 8), AM=-114(LC 8), AN=-120(LC 8), AP=-248(LC 8), AC=-126(LC 9), AA=-114(LC 9), Z=-114(LC 9), Y=-120(LC 9), W=-246(LC 9)
Max Grav All reactions 250 lb or less at joint(s) A, V, AG, AH, AI, AJ, AL, AM, AN, AO, AF, AE, AD, AC, AA, Z, Y, X except AP=341(LC 13), W=341(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-489/362, B-C=-349/339, C-D=-301/342, D-E=-231/327, E-F=-225/337, F-G=-164/334, G-H=-97/390, H-I=-55/507, I-J=-56/600, J-K=-21/572, K-L=-20/573, L-M=-21/572, M-N=-56/600, N-O=-55/507, O-P=-54/390, P-Q=-54/279, U-V=-261/120
BOT CHORD A-AP=-93/308, AO-AP=-93/308, AN-AO=-93/308, AM-AN=-93/308, AL-AM=-93/308, AK-AL=-93/308, AJ-AK=-93/308, AI-AJ=-93/308, AH-AI=-93/308, AG-AH=-93/307, AF-AG=-93/307, AE-AF=-93/307, AD-AE=-93/308, AC-AD=-93/308, AB-AC=-93/308, AA-AB=-93/308, Z-AA=-93/308, Y-Z=-93/308, X-Y=-93/308, W-X=-93/308, V-W=-93/308
WEBS B-AP=-241/392, U-W=-241/392

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) V, AG, AH, AI, AO, AF, AD, X except (jt=lb) A=133, AJ=124, AL=114, AM=114, AN=120, AP=248, AC=126, AA=114, Z=114, Y=120, W=246.
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 9,2017

ENGINEERING BY TRENCO
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A31	GABLE	1	1	I28709782
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:26 2017 Page 1
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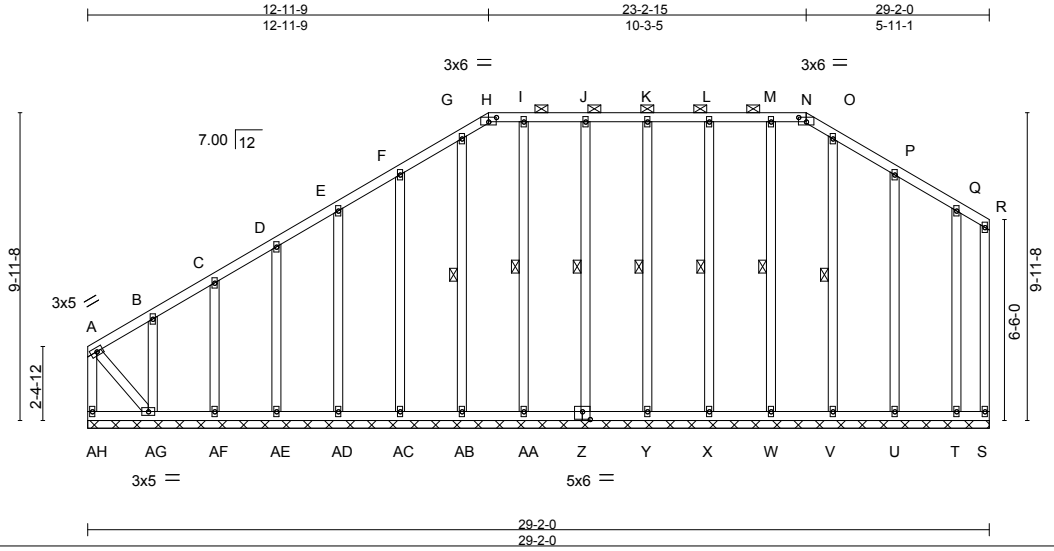


Plate Offsets (X,Y)-- [H:0-3-0,0-1-12], [N:0-3-0,0-1-12], [Z:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(TL)	-0.00	S	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 265 lb	FT = 20%

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.): H-N.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt K-Y, J-Z, I-AA, G-AB, L-X, M-W, O-V

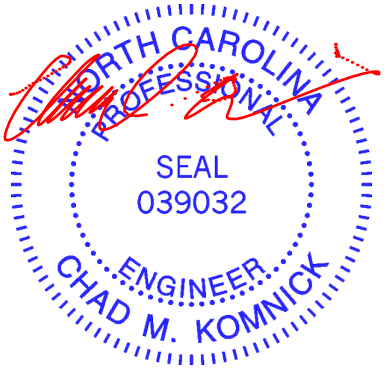
REACTIONS. All bearings 29-2-0.
(lb) - Max Horz AH=383(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) S, Y, AA, AB, W, V, T except AH=-292(LC 6), Z=-109(LC 6), AC=-127(LC 8), AD=-112(LC 8), AE=-115(LC 8), AF=-113(LC 8), AG=-516(LC 7), X=-106(LC 6), U=-137(LC 9)
Max Grav All reactions 250 lb or less at joint(s) S, Y, Z, AA, AB, AC, AD, AE, AF, X, W, V, U, T except AH=612(LC 7), AG=265(LC 6)

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

TOP CHORD	A-AH=-598/299, A-B=-419/220, B-C=-350/216, C-D=-282/212, G-H=-30/277, H-I=-9/277, I-J=-9/277, J-K=-7/279, K-L=-7/279, L-M=-7/279, M-N=-7/279, N-O=-32/279
BOT CHORD	AG-AH=-380/186
WEBS	A-AG=-274/566

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, Y, AA, AB, W, V, T except (jt=lb) AH=292, Z=109, AC=127, AD=112, AE=115, AF=113, AG=516, X=106, U=137.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



January 9,2017

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/ I28709783
760483	A32	Hip	1	1	Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:27 2017 Page 1
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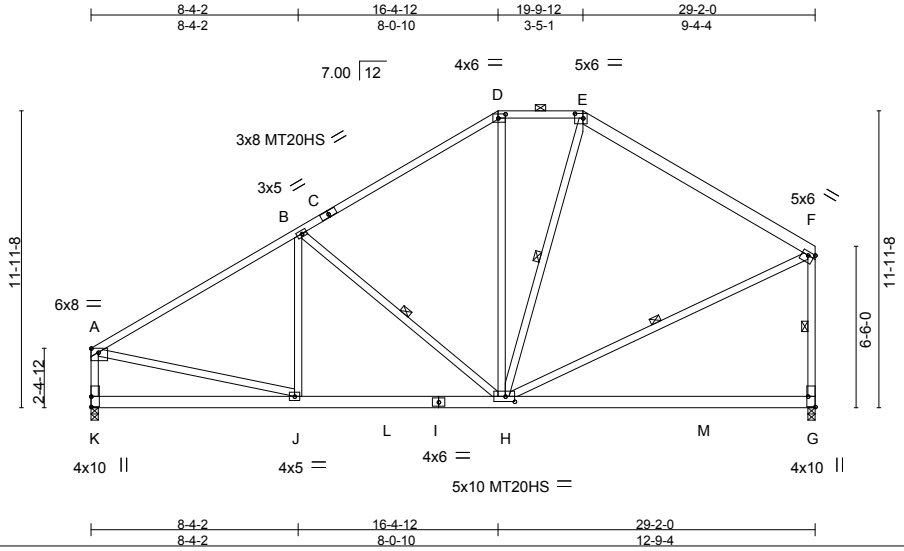

Plate Offsets (X,Y)-- [A:Edge,0-2-0], [D:0-3-8,0-2-0], [E:0-4-0,0-2-4], [F:Edge,0-1-12], [G:Edge,0-3-8], [H:0-4-8,0-2-8]

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	0.93	Vert(LL)	-0.18	G-H	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(TL)	-0.46	G-H	>749	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(TL)	0.01	G	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.06	H-J	>999	240	Weight: 230 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
E-F: 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
A-K,F-H: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): D-E.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt B-H, E-H, F-G, F-H

REACTIONS. (lb/size) K=1155/0-3-8, G=1155/0-3-8
Max Horz K=488(LC 7)
Max Uplift K=-394(LC 8), G=-379(LC 8)
Max Grav K=1155(LC 1), G=1171(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-1332/947, B-C=-988/847, C-D=-850/891, D-E=-736/919, E-F=-983/849, A-K=-1067/834, F-G=-1043/958
BOT CHORD J-K=-564/336, J-L=-950/1055, I-L=-950/1055, H-I=-950/1055
WEBS B-H=-430/626, E-H=-163/335, A-J=-478/941, F-H=-505/764

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
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) except (jt=lb) K=394, G=379.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/ I28709784
760483	A33	PIGGYBACK BASE	1	1	Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:27 2017 Page 1
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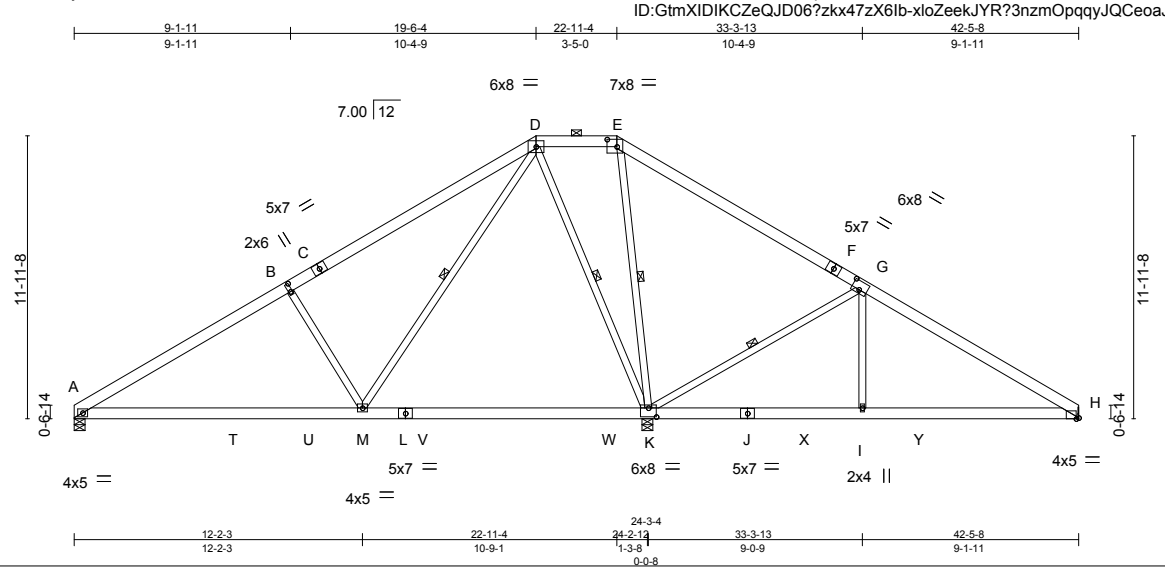

Plate Offsets (X,Y)-- [B:0-4-4,0-1-0], [E:0-5-0,0-3-12], [G:0-4-0,0-4-4], [H:0-1-5,Edge], [K:0-4-0,0-4-8]

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	0.60	Vert(LL)	-0.23	K-M	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(TL)	-0.37	K-M	>794	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(TL)	0.02	H	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.09	M-P	>999	240	Weight: 299 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=781/0-5-8, H=469/Mechanical, K=2147/0-5-8
Max Horz A=598(LC 7)
Max Uplift A=-307(LC 8), H=-243(LC 9), K=-692(LC 8)
Max Grav A=820(LC 13), H=545(LC 14), K=2262(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-1041/759, B-C=-828/759, C-D=-683/818, D-E=-30/385, E-F=-106/646, F-G=-141/409, G-H=-548/334
BOT CHORD A-T=-666/844, T-U=-666/844, M-U=-666/844, L-M=-223/442, L-V=-223/442, V-W=-223/442, K-W=-223/442, J-K=-143/414, J-X=-143/414, I-X=-143/414, I-Y=-143/414, H-Y=-143/414
WEBS B-M=-579/914, D-M=-773/1040, D-K=-969/783, G-I=0/355, E-K=-643/513, G-K=-843/979

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=307, H=243, K=692.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 9,2017

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	A34	GABLE	1	1	I28709785
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:29 2017 Page 1
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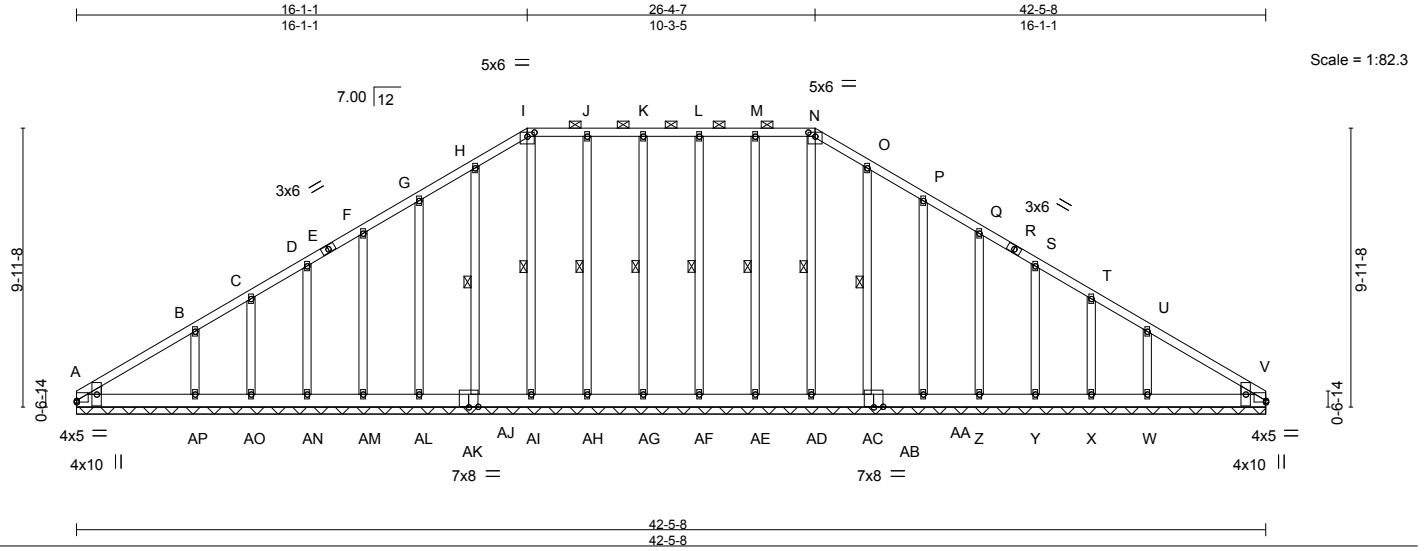

Plate Offsets (X,Y)-- [A:0-0-0,0-0-11], [I:0-3-0,0-1-12], [N:0-3-0,0-1-12], [R:0-0-0,0-0-0], [V:0-0-0,0-0-11], [AB:0-4-0,0-0-4], [AK:0-4-0,0-0-4]

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	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.01	V	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 348 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): I-N.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt K-AG, J-AH, I-AI, H-AJ, L-AF, M-AE, N-AD, O-AC

REACTIONS. All bearings 42-5-8.
(lb) - Max Horz A=-501(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) V, AG, AI, AO, AF, X, A except AH=-104(LC 7), AJ=-110(LC 8), AL=-118(LC 8), AM=-111(LC 8), AN=-128(LC 8), AP=-264(LC 8), AE=-107(LC 7), AC=-108(LC 9), AA=-119(LC 9), Z=-110(LC 9), Y=-128(LC 9), W=-262(LC 9)
Max Grav All reactions 250 lb or less at joint(s) V, AG, AH, AI, AJ, AL, AM, AN, AO, AF, AE, AD, AC, AA, Z, Y, X, A except AP=347(LC 13), W=347(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-427/282, B-C=-279/258, C-D=-235/261, E-F=-156/256, F-G=-96/261, G-H=-47/375, H-I=-47/480, I-J=-13/456, J-K=-13/457, K-L=-13/457, L-M=-13/457, M-N=-13/456, N-O=-47/480, O-P=-47/375, P-Q=-47/261, U-V=-284/114
BOT CHORD A-AP=-88/331, AO-AP=-88/331, AN-AO=-88/331, AM-AN=-88/331, AL-AM=-88/331, AK-AL=-88/331, AJ-AK=-88/331, AI-AJ=-88/331, AH-AI=-87/330, AG-AH=-87/330, AF-AG=-87/330, AE-AF=-87/330, AD-AE=-87/330, AC-AD=-87/331, AB-AC=-87/331, AA-AB=-87/331, Z-AA=-87/331, Y-Z=-87/331, X-Y=-87/331, W-X=-87/331, V-W=-87/331
WEBS B-AP=-237/401, U-W=-237/401

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) V, AG, AI, AO, AF, X , A except (jt=lb) AH=104, AJ=110, AL=118, AM=111, AN=128, AP=264, AE=107, AC=108, AA=119, Z=110, Y=128, W=262.
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	B01	GABLE	1	1	I28709786
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:29 2017 Page 1
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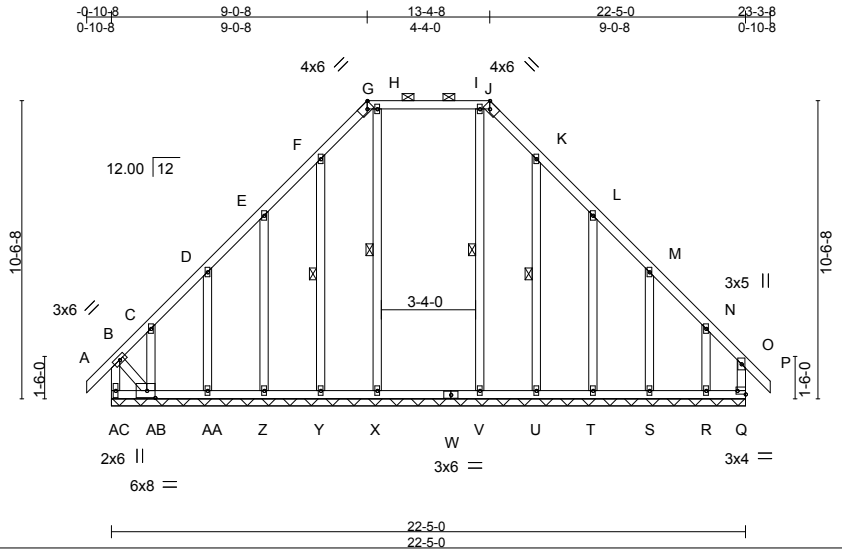

Plate Offsets (X,Y)-- [G:0-2-8,Edge], [J:0-2-8,Edge], [Q:Edge,0-1-8], [AB:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.00	P	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(TL)	-0.01	P	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.01	Q	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 181 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
B-AB: 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.): G-J.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt H-X, F-Y, I-V, K-U

REACTIONS. All bearings 22-5-0.
(lb) - Max Horz AC=-720(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) except AC=-935(LC 6), Q=-162(LC 7), X=-265(LC 7), Y=-207(LC 8), Z=-328(LC 8), AA=-309(LC 8), AB=-754(LC 7), V=-166(LC 7), U=-172(LC 9), T=-350(LC 9), S=-260(LC 9), R=-540(LC 9)
Max Grav All reactions 250 lb or less at joint(s) Y, Z, AA, U, T, S, R except AC=1045(LC 7), Q=300(LC 6), X=412(LC 9), AB=551(LC 6), V=371(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-AC=-1017/924, B-C=-695/648, C-D=-572/620, D-E=-400/592, E-F=-233/714, F-G=-89/791, G-H=-4/646, H-I=-4/646, I-J=-4/646, J-K=-29/766, K-L=-42/614, L-M=-40/341
BOT CHORD AB-AC=-652/686, AA-AB=-81/313, Z-AA=-81/313, Y-Z=-81/313, X-Y=-81/313, W-X=-81/313, V-W=-81/313, U-V=-81/313, T-U=-81/313, S-T=-81/313, R-S=-81/313, Q-R=-81/313
WEBS H-X=-373/303, E-Z=-123/352, D-AA=-125/336, I-V=-334/205, L-T=-123/368, M-S=-125/311, N-R=-107/383, B-AB=-625/821

NOTES- (15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 935 lb uplift at joint AC, 162 lb uplift at joint Q, 265 lb uplift at joint X, 207 lb uplift at joint Y, 328 lb uplift at joint Z, 309 lb uplift at joint AA, 754 lb uplift at joint AB, 166 lb uplift at joint V, 172 lb uplift at joint U, 350 lb uplift at joint T, 260 lb uplift at joint S and 540 lb uplift at joint R.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	B02	PIGGYBACK BASE	3	1	I28709787
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:30 2017 Page 1

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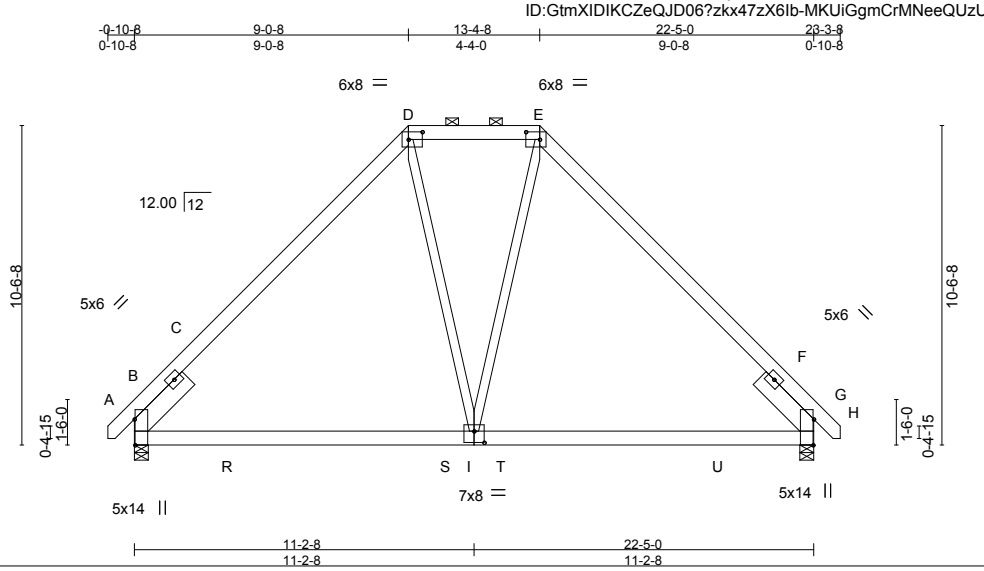


Plate Offsets (X,Y)-- [B:0-10-4,Edge], [D:0-5-8,0-3-0], [E:0-5-8,0-3-0], [G:0-10-4,Edge], [I:0-4-0,0-4-8]

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	0.67	Vert(LL)	-0.10	I-P	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(TL)	-0.20	I-P	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.08	G	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.16	I-L	>999	240	Weight: 174 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x8 SP DSS 2-6-0, Right 2x8 SP DSS 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): D-E.
BOT CHORD	Rigid ceiling directly applied.

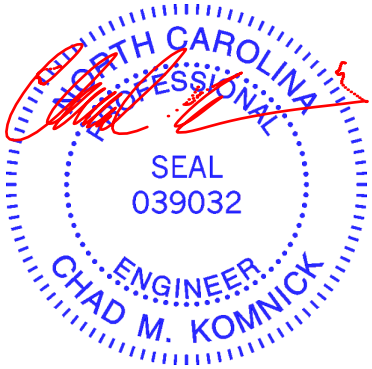
REACTIONS. (lb/size) B=942/0-5-8, G=942/0-5-8
Max Horz B=-476(LC 6)
Max Uplift B=-333(LC 8), G=-333(LC 9)
Max Grav B=1037(LC 2), G=1037(LC 2)

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

TOP CHORD	B-C=-534/0, C-D=-956/731, D-E=-642/852, E-F=-956/731, F-G=-534/0
BOT CHORD	B-R=-289/584, R-S=-289/584, I-S=-289/584, I-T=-150/584, T-U=-150/584, G-U=-150/584
WEBS	D-I=-279/384, E-I=-279/383

NOTES- (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 333 lb uplift at joint B and 333 lb uplift at joint G.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	B03	Piggyback Base Girder	2	3	I28709788
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:31 2017 Page 1
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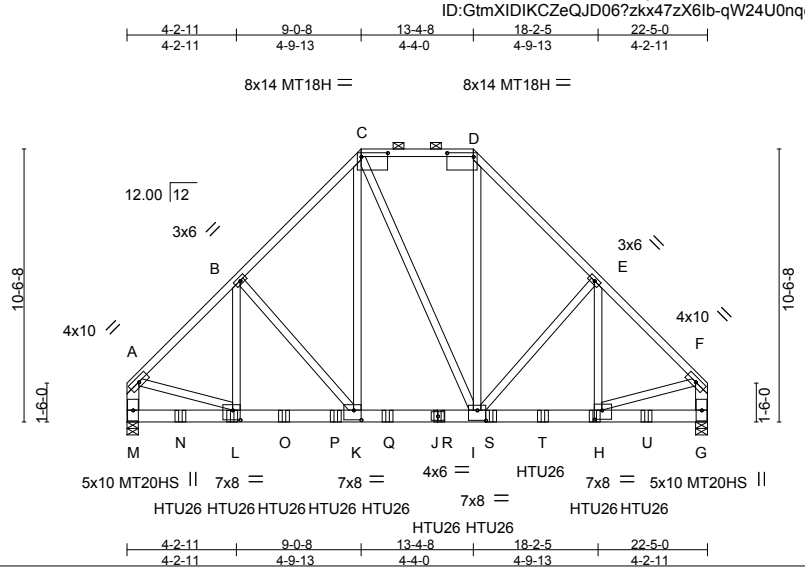

Plate Offsets (X,Y)-- [C:1-0-4,0-1-12], [D:1-0-4,0-1-12], [H:0-3-8,0-4-4], [I:0-4-0,0-4-12], [K:0-3-8,0-4-8], [L:0-3-8,0-4-8]

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	0.57	Vert(LL)	-0.08	K-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.99	Vert(TL)	-0.20	K-L	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.54	Horz(TL)	0.04	G	n/a	n/a	MT18H	244/190
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-M)		Wind(LL)	0.09	K-L	>999	240	Weight: 580 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
G-J: 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
A-M,F-G: 2x6 SP No.2

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.): C-D.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) M=9375/0-5-4, G=9186/0-5-8
Max Horz M=-563(LC 4)
Max Uplift M=-2565(LC 6), G=-2514(LC 7)
Max Grav M=9839(LC 2), G=9633(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-9677/2562, B-C=-8210/2323, C-D=-5633/1727, D-E=-8188/2323, E-F=-9547/2529, A-M=-8925/2361, F-G=-8800/2329
BOT CHORD M-N=-677/691, L-N=-677/691, L-O=-2111/6787, O-P=-2111/6787, K-P=-2111/6787, K-Q=-1646/5632, Q-R=-1646/5632, J-R=-1646/5632, I-J=-1646/5632, I-S=-1705/6694, S-T=-1705/6694, H-T=-1705/6694, H-U=-141/543, G-U=-141/543
WEBS B-L=-494/2057, B-K=-1634/733, C-K=-1562/5559, C-I=-253/254, D-I=-1530/5535, E-I=-1492/695, E-H=-446/1868, A-L=-1664/6580, F-H=-1644/6465

NOTES- (15)
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 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) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2565 lb uplift at joint M and 2514 lb uplift at joint G.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 20-0-12 to connect truss(es) to back face of bottom chord.
14) Fill all nail holes where hanger is in contact with lumber.

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

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: A-C=-60, C-D=-60, D-F=-60, G-M=-20
   Concentrated Loads (lb)
   Vert: J=-1681(B) L=-1681(B) H=-1680(B) N=-1681(B) O=-1681(B) P=-1681(B) Q=-1681(B) S=-1681(B) T=-1680(B) U=-1680(B)

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	B04	GABLE	1	1	I28709789
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:31 2017 Page 1
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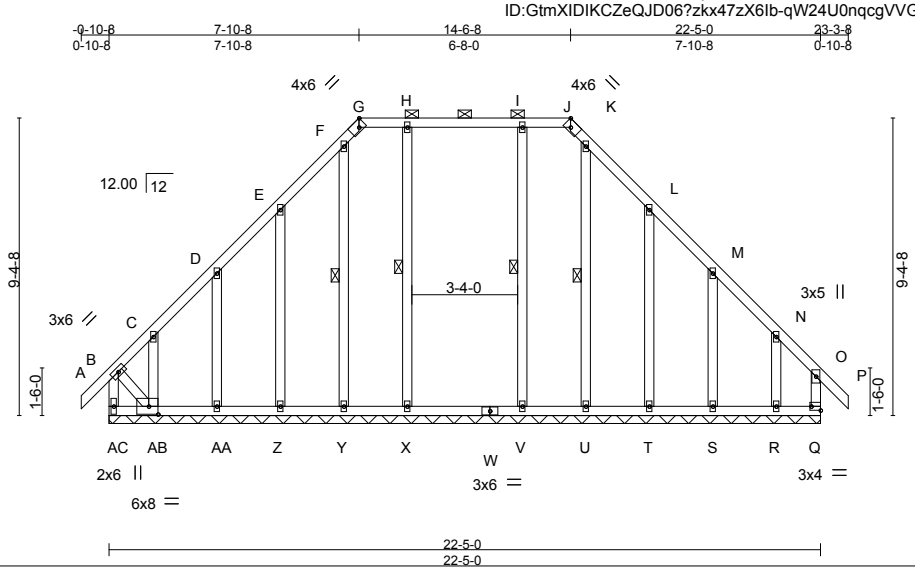

Plate Offsets (X,Y)-- [G:0-2-8,Edge], [J:0-2-8,Edge], [Q:Edge,0-1-8], [AB:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	-0.00	P	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(TL)	-0.01	P	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.01	Q	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 176 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
B-AB: 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.): G-J.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt H-X, F-Y, I-V, K-U

REACTIONS. All bearings 22-5-0.
(lb) - Max Horz AC=-644(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) except AC=-827(LC 6), Q=-151(LC 7), X=-247(LC 7), Y=-150(LC 7), Z=-358(LC 8), AA=-305(LC 8), AB=-680(LC 7), V=-247(LC 7), T=-386(LC 9), S=-257(LC 9), R=-531(LC 9)
Max Grav All reactions 250 lb or less at joint(s) Q, Z, AA, T, S, R except AC=900(LC 7), X=291(LC 16), Y=340(LC 9), AB=496(LC 6), V=291(LC 16), U=267(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-AC=-875/818, B-C=-594/572, C-D=-471/545, D-E=-300/517, E-F=-132/701, F-G=-31/463, G-H=-1/552, H-I=-1/552, I-J=-1/552, J-K=-29/463, K-L=-43/647, L-M=-41/345
BOT CHORD AB-AC=-578/612, AA-AB=-76/306, Z-AA=-76/306, Y-Z=-76/306, X-Y=-76/306, W-X=-76/306, V-W=-76/306, U-V=-76/306, T-U=-76/306, S-T=-76/306, R-S=-76/306, Q-R=-76/306
WEBS H-X=-189/285, F-Y=-322/169, E-Z=-123/382, D-AA=-125/332, I-V=-189/285, L-T=-123/404, M-S=-125/308, N-R=-104/379, B-AB=-551/722

NOTES- (15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 827 lb uplift at joint AC, 151 lb uplift at joint Q, 247 lb uplift at joint X, 150 lb uplift at joint Y, 358 lb uplift at joint Z, 305 lb uplift at joint AA, 680 lb uplift at joint AB, 247 lb uplift at joint V, 386 lb uplift at joint T, 257 lb uplift at joint S and 531 lb uplift at joint R.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Continued on page 2

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/ I28709789
760483	B04	GABLE	1	1	Job Reference (optional)

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	B05	HIP	1	1	I28709790
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:32 2017 Page 1
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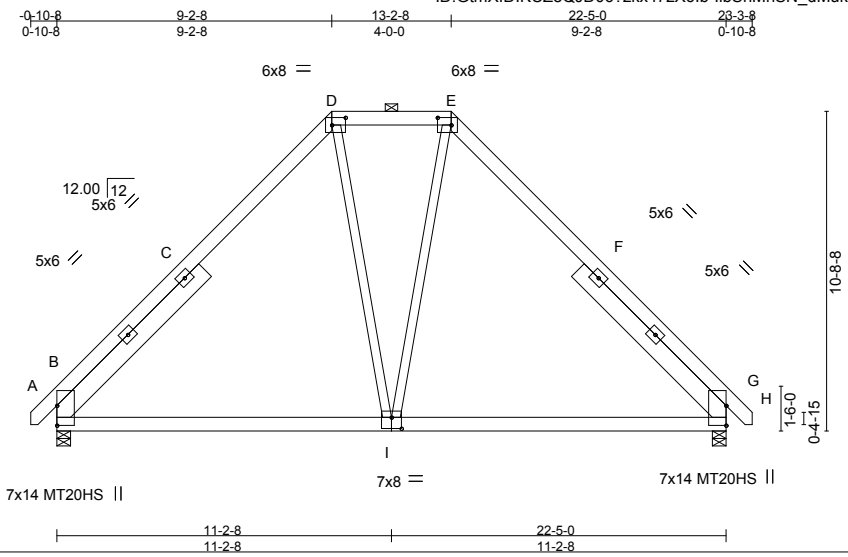

Plate Offsets (X,Y)-- [D:0-5-8,0-3-0], [E:0-5-8,0-3-0], [I:0-4-0,0-4-8]

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	0.88	Vert(LL)	-0.06	I-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.81	Vert(TL)	-0.17	I-L	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(TL)	0.10	G	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-M)		Wind(LL)	0.19	I-L	>999	240	Weight: 203 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP DSS 7-0-0, Right 2x8 SP DSS 7-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): D-E.
BOT CHORD Rigid ceiling directly applied or 5-10-4 oc bracing.

REACTIONS. (lb/size) B=942/0-5-8, G=942/0-5-8
Max Horz B=485(LC 7)
Max Uplift B=-333(LC 8), G=-333(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-574/476, C-D=-715/737, D-E=-529/855, E-F=-715/737, F-G=-574/476
BOT CHORD B-I=-274/500, G-I=-152/500
WEBS D-I=-274/363, E-I=-273/363

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 333 lb uplift at joint B and 333 lb uplift at joint G.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	B06	GABLE	1	1	I28709791
					Job Reference (optional)

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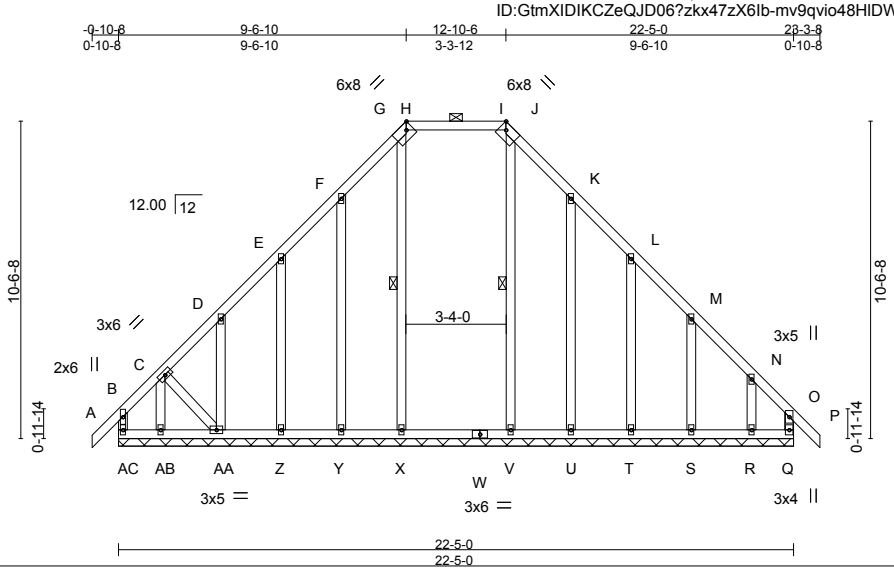

Plate Offsets (X,Y)-- [H:0-2-8,Edge], [I:0-2-8,Edge]

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	0.45	Vert(LL)	-0.00	P	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(TL)	-0.01	P	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.01	Q	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 175 lb	FT = 20%

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.): H-I.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: AB-AC,AA-AB.
WEBS	1 Row at midpt G-X, J-V

REACTIONS. All bearings 22-5-0.

(lb) - Max Horz AC=-552(LC 6)

Max Uplift All uplift 100 lb or less at joint(s) X except AC=-196(LC 6), Q=-208(LC 7), Y=-228(LC 8), Z=-193(LC 8), AA=-442(LC 8), AB=-258(LC 6), U=-234(LC 9), T=-194(LC 9), S=-175(LC 9), R=-346(LC 9)

Max Grav All reactions 250 lb or less at joint(s) AC, Y, Z, AA, U, T, S, R except Q=301(LC 6), X=313(LC 9), AB=376(LC 7), V=262(LC 9)

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

TOP CHORD	C-D=-398/413, D-E=-265/417, E-F=-121/409, F-G=-75/661, G-H=-106/422, H-I=-28/544, I-J=-105/422, J-K=-73/661, K-L=-81/403, N-O=-337/190
BOT CHORD	AB-AC=-394/473, AA-AB=-394/473, Z-AA=-89/361, Y-Z=-89/361, X-Y=-89/361, W-X=-89/361, V-W=-89/361, U-V=-89/361, T-U=-89/361, S-T=-89/361, R-S=-89/361, Q-R=-89/361
WEBS	G-X=-274/128, F-Y=-109/342, E-Z=-121/303, D-AA=-127/309, C-AB=-403/313, J-V=-272/10, K-U=-109/342, L-T=-121/302, M-S=-127/305, N-R=-89/357, C-AA=-292/435

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) X except (jt=lb) AC=196, Q=208, Y=228, Z=193, AA=442, AB=258, U=234, T=194, S=175, R=346.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	B07	PIGGYBACK BASE	2	1	I28709792
					Job Reference (optional)

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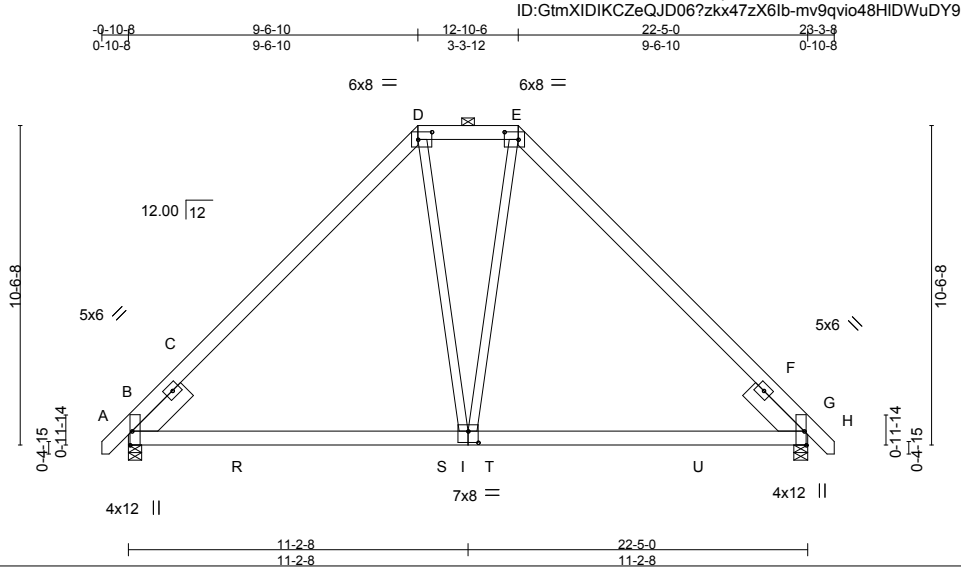


Plate Offsets (X,Y)-- [B:0-5-8,Edge], [D:0-5-8,0-3-0], [E:0-5-8,0-3-0], [G:0-5-8,Edge], [I:0-4-0,0-4-8]

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	0.85	Vert(LL)	-0.12	I-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(TL)	-0.23	I-L	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.07	G	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-M)		Wind(LL)	0.23	I-L	>999	240	Weight: 173 lb	FT = 20%

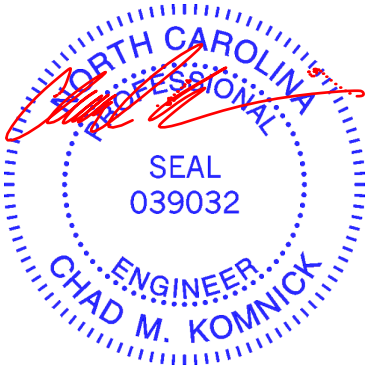
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP DSS 2-3-3, Right 2x8 SP DSS 2-3-3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): D-E.
BOT CHORD Rigid ceiling directly applied or 9-0-15 oc bracing.

REACTIONS. (lb/size) B=937/0-5-4, G=938/0-5-8
Max Horz B=-490(LC 6)
Max Uplift B=-351(LC 8), G=-352(LC 9)
Max Grav B=1022(LC 2), G=1022(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-805/0, C-D=-960/726, D-E=-627/847, E-F=-960/726, F-G=-813/0
BOT CHORD B-R=-244/580, R-S=-244/580, I-S=-244/580, I-T=-135/580, T-U=-135/580, G-U=-135/580
WEBS D-I=-296/377, E-I=-296/377

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=351, G=352.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



January 9,2017

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	B08	Piggyback Base Girder	1	3	I28709793 Job Reference (optional)

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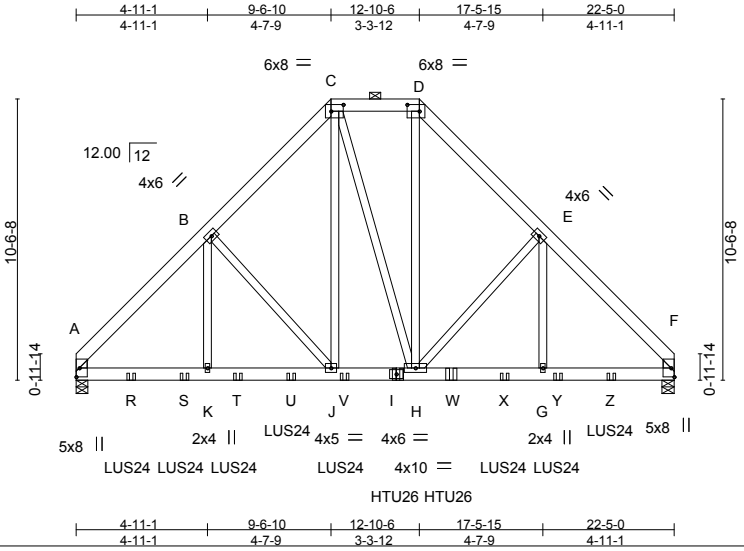

Plate Offsets (X,Y)-- [C:0-5-8,0-3-0], [D:0-5-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	-0.04	J-K	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(TL)	-0.09	J-K	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.17	Horz(TL)	0.03	F	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-M)		Wind(LL)	0.06	J-K	>999	240	Weight: 613 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2
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, except 2-0-0 oc purlins (6-0-0 max.): C-D.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=3797/0-5-4, F=3773/0-5-8
Max Horz A=-505(LC 4)
Max Uplift A=-1952(LC 6), F=-1995(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-4397/2306, B-C=-3323/1969, C-D=-2367/1571, D-E=-3387/2058, E-F=-4436/2407
BOT CHORD A-R=-1826/3000, R-S=-1826/3000, K-S=-1826/3000, K-T=-1826/3000, T-U=-1826/3000, J-U=-1826/3000, J-V=-1350/2309, I-V=-1350/2309, H-I=-1350/2309, H-W=-1565/3021, W-X=-1565/3021, G-X=-1565/3021, G-Y=-1565/3021, Y-Z=-1565/3021, F-Z=-1565/3021
WEBS B-K=-616/1318, B-J=-1087/816, C-J=-1099/1903, C-H=-477/280, D-H=-1341/2083, E-H=-1037/811, E-G=-636/1279

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 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) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=1952, F=1995.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 6-0-0 oc max. starting at 2-0-12 from the left end to 20-0-12 to connect truss(es) to back face of bottom chord.
13) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 12-0-12 from the left end to 14-0-12 to connect truss(es) to back face of bottom chord.
14) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

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Continued on page 2

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: A-C=-60, C-D=-60, D-F=-60, L-O=-20
   Concentrated Loads (lb)
   Vert: I=-700(B) R=-547(B) S=-547(B) T=-547(B) U=-547(B) V=-547(B) W=-700(B) X=-547(B) Y=-547(B) Z=-547(B)

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	B09	GABLE	1	1	I28709794
					Job Reference (optional)

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ID:GtmXIDIKCZeQJD06?zkx47zX6Ib-iHHbKNqKgv0xlBNwHWzqd6X3Eo8EewXibQ1?vCzx6vU

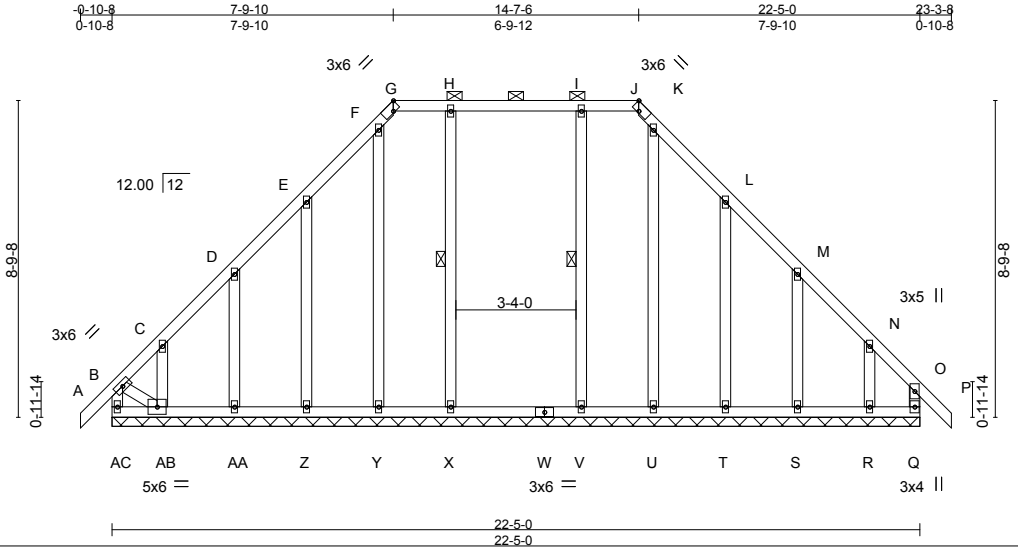


Plate Offsets (X,Y)-- [G:0-2-8,Edge], [J:0-2-8,Edge]

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	0.44	Vert(LL)	-0.00	P	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(TL)	-0.01	P	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.01	Q	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 166 lb	FT = 20%

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.): G-J.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: AB-AC.
WEBS	1 Row at midpt H-X, I-V

REACTIONS. All bearings 22-5-0.

(lb) - Max Horz AC=-460(LC 6)

Max Uplift All uplift 100 lb or less at joint(s) Y except AC=-397(LC 6), Q=-123(LC 7), X=-141(LC 7), Z=-224(LC 8), AA=-198(LC 8), AB=-364(LC 7), V=-144(LC 7), T=-239(LC 9), S=-170(LC 9), R=-324(LC 9)

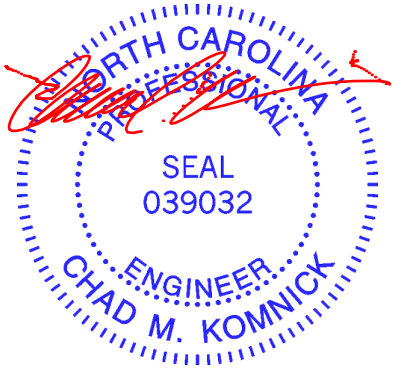
Max Grav All reactions 250 lb or less at joint(s) Y, Z, AA, AB, U, T, S, R except AC=522(LC 7), Q=267(LC 6), X=292(LC 16), V=291(LC 15)

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

TOP CHORD	B-AC=-502/394, B-C=-460/340, C-D=-347/321, D-E=-202/313, E-F=-54/448, F-G=-33/341, G-H=-4/408, H-I=-4/408, I-J=-4/408, J-K=-31/341, K-L=-46/449, N-O=-325/108
BOT CHORD	AB-AC=-397/453, AA-AB=-40/354, Z-AA=-40/354, Y-Z=-40/354, X-Y=-40/354, W-X=-40/354, V-W=-40/354, U-V=-40/354, T-U=-40/354, S-T=-40/354, R-S=-40/354, Q-R=-40/354
WEBS	E-Z=-124/358, D-AA=-124/311, L-T=-123/363, M-S=-125/296, N-R=-82/356, B-AB=-241/422

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) Y except (jt=lb) AC=397, Q=123, X=141, Z=224, AA=198, AB=364, V=144, T=239, S=170, R=324.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	B10	HIP	1	1	I28709795
					Job Reference (optional)

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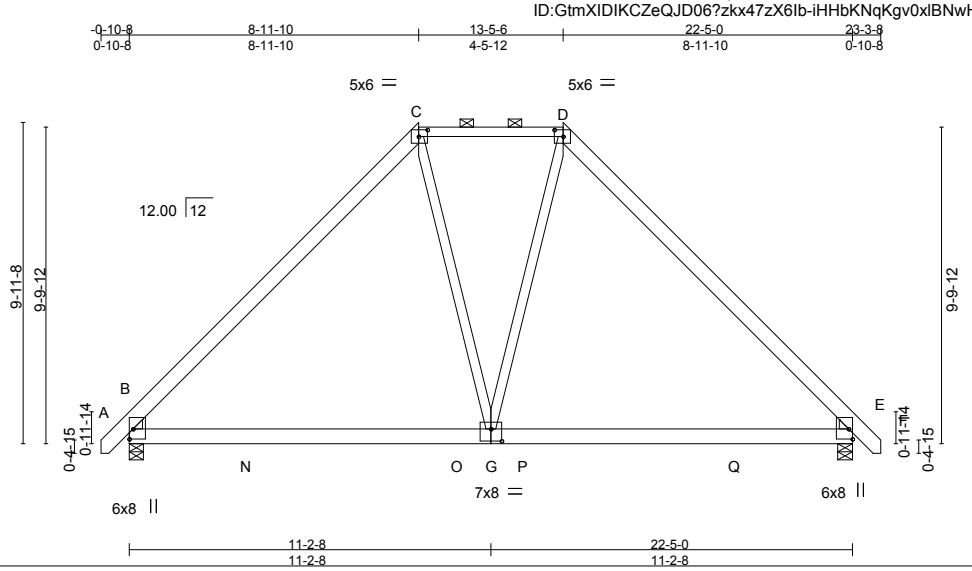


Plate Offsets (X,Y)-- [B:Edge,0-1-7], [C:0-3-4,0-2-8], [D:0-3-4,0-2-8], [E:Edge,0-1-7], [G:0-4-0,0-4-8]

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	0.91	Vert(LL)	-0.12	G-M	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(TL)	-0.26	G-J	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.05	E	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-M)		Wind(LL)	0.21	G-J	>999	240	Weight: 154 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except* C-D: 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

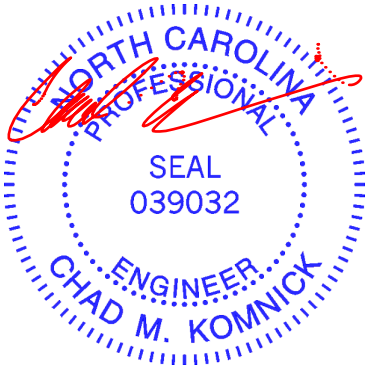
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): C-D.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) B=942/0-5-4, E=942/0-5-8
Max Horz B=469(LC 7)
Max Uplift B=-339(LC 8), E=-339(LC 9)
Max Grav B=1020(LC 2), E=1020(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1015/728, C-D=-677/827, D-E=-1015/728
BOT CHORD B-N=-268/609, N-O=-268/609, G-O=-268/609, G-P=-162/609, P-Q=-162/609, E-Q=-162/609
WEBS C-G=-180/348, D-G=-180/348

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=339, E=339.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/ I28709796
760483	B11	HIP	1	1	Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:36 2017 Page 1
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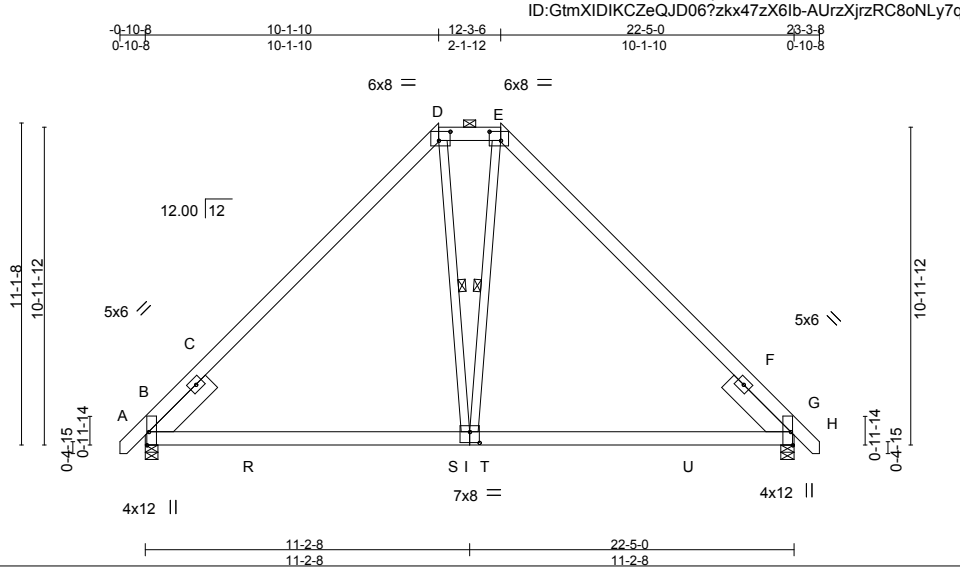

Plate Offsets (X,Y)-- [B:0-5-8,Edge], [D:0-4-12,0-3-12], [E:0-4-12,0-3-12], [G:0-5-8,Edge], [I:0-4-0,0-4-8]

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	0.91	Vert(LL)	-0.12	I-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(TL)	-0.25	I-L	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(TL)	0.08	G	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-M)		Wind(LL)	0.26	I-L	>999	240	Weight: 179 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP DSS 2-9-3, Right 2x8 SP DSS 2-9-3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): D-E.
BOT CHORD Rigid ceiling directly applied or 7-5-9 oc bracing.
WEBS 1 Row at midpt D-I, E-I

REACTIONS. (lb/size) B=937/0-5-4, G=938/0-5-8
Max Horz B=-513(LC 6)
Max Uplift B=-354(LC 8), G=-354(LC 9)
Max Grav B=1028(LC 2), G=1029(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-874/0, C-D=-960/727, D-E=-617/866, E-F=-960/728, F-G=-884/0
BOT CHORD B-R=-219/587, R-S=-219/587, I-S=-219/587, I-T=-126/587, T-U=-126/587, G-U=-126/587
WEBS D-I=-426/494, E-I=-426/494

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=354, G=354.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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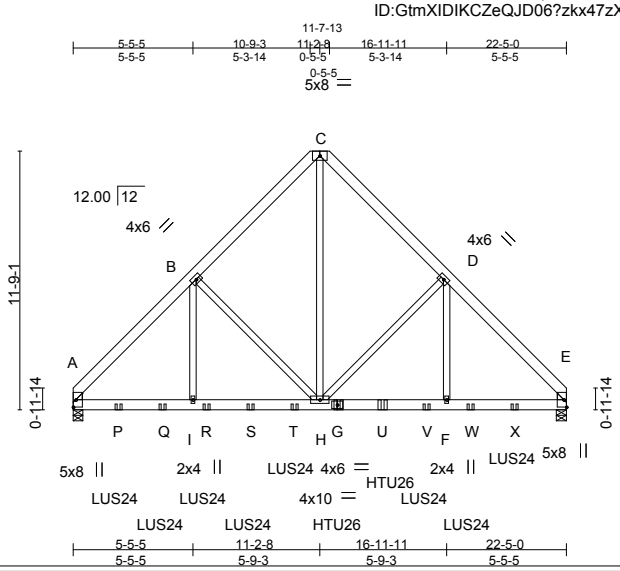
Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	B12	Hip Girder	1	3	I28709797
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:37 2017 Page 1
ID:GtmXIDIKCZeQJD06?zkx47zX6Ib-fgPLk3rbCWGf_VXJOx?IiXcS5ckh6oI?2kW5z5zx6vS



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)	-0.05	F-H	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(TL)	-0.12	F-H	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(TL)	0.03	E	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-M)		Wind(LL)	0.09	F-H	>999	240	Weight: 551 lb	FT = 20%

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

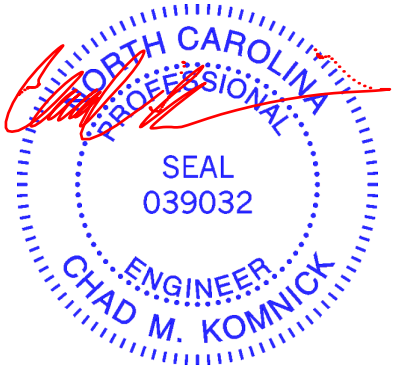
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=3777/0-5-4, E=3771/0-5-8
Max Horz A=-575(LC 15)
Max Uplift A=-1942(LC 7), E=-2003(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-4331/2307, B-C=-3071/1921, C-D=-3069/1918, D-E=-4414/2460
BOT CHORD A-P=-1763/2958, P-Q=-1763/2958, I-Q=-1763/2958, I-R=-1763/2958, R-S=-1763/2958, S-T=-1763/2958, H-T=-1763/2958, G-H=-1595/3011, G-U=-1595/3011, U-V=-1595/3011, F-V=-1595/3011, F-W=-1595/3011, W-X=-1595/3011, E-X=-1595/3011
WEBS B-I=-644/1467, B-H=-1160/845, D-F=-870/1588, C-H=-2364/3745, D-H=-1235/990

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 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) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=1942, E=2003.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 6-0-0 oc max. starting at 2-0-12 from the left end to 20-0-12 to connect truss(es) to back face of bottom chord.
11) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 12-0-12 from the left end to 14-0-12 to connect truss(es) to back face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.

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



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Edenton, NC 27932

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: A-C=-60, C-E=-60, J-M=-20

Concentrated Loads (lb)

Vert: G=-700(B) P=-525(B) Q=-547(B) R=-547(B) S=-547(B) T=-547(B) U=-700(B) V=-547(B) W=-547(B) X=-547(B)

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	C01	Common Supported Gable	1	1	I28709798
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:37 2017 Page 1
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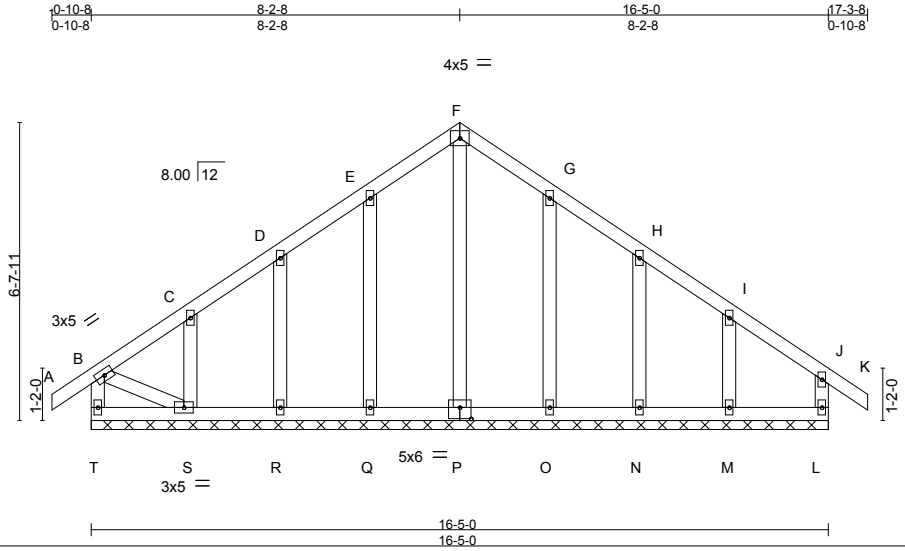


Plate Offsets (X,Y)-- [P:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	-0.00	K	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	-0.00	K	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.00	L	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 102 lb	FT = 20%

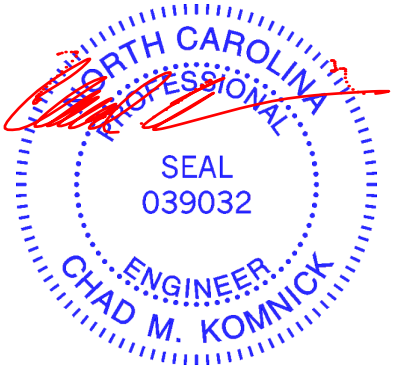
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
B-S: 2x4 SP No.3
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 16-5-0.
(lb) - Max Horz T=-449(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) P except T=-351(LC 6), L=-149(LC 9), Q=-203(LC 8), R=-208(LC 8), S=-297(LC 7), O=-202(LC 9), N=-192(LC 9), M=-265(LC 9)
Max Grav All reactions 250 lb or less at joint(s) L, Q, R, S, O, N, M except T=296(LC 7), P=409(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-T=-279/356, B-C=-352/378, C-D=-255/357, D-E=-164/389, E-F=-63/478, F-G=-41/461, G-H=-37/329
BOT CHORD S-T=-400/428
WEBS F-P=-384/62, I-M=-116/255, B-S=-335/393

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) P except (jt=lb) T=351, L=149, Q=203, R=208, S=297, O=202, N=192, M=265.
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	C02	COMMON	4	1	I28709799
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:38 2017 Page 1
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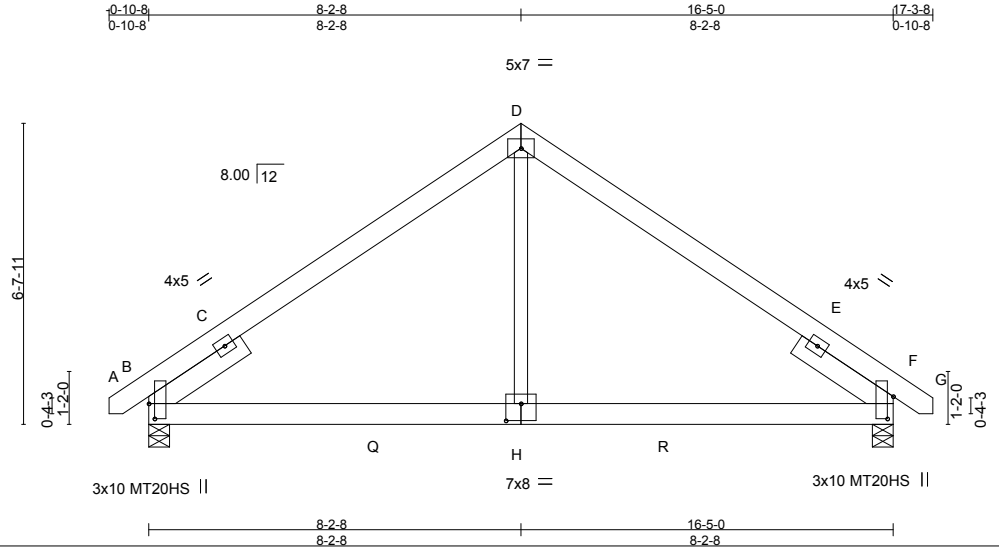


Plate Offsets (X,Y)-- [B:0-4-0,0-1-9], [F:0-5-14,0-1-9], [H:0-4-0,0-4-8]

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	0.35	Vert(LL)	-0.03	H-O	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(TL)	-0.06	H-O	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.03	F	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.07	H-K	>999	240	Weight: 110 lb	FT = 20%

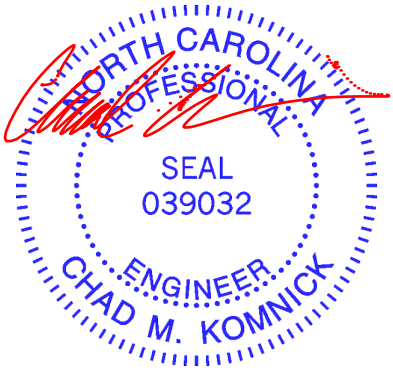
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 2-6-0, Right 2x6 SP No.2 2-6-0

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

REACTIONS. (lb/size) B=700/0-5-8, F=700/0-5-8
Max Horz B=285(LC 7)
Max Uplift B=-289(LC 8), F=-289(LC 9)
Max Grav B=707(LC 2), F=707(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-329/0, C-D=-668/567, D-E=-668/567, E-F=-329/0
BOT CHORD B-Q=-185/556, H-Q=-185/556, H-R=-185/556, F-R=-185/556
WEBS D-H=-31/391

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) All plates are MT20 plates unless otherwise indicated.
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) except (jt=lb) B=289, F=289.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/ I28709800
760483	C03	Common	4	1	Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:38 2017 Page 1
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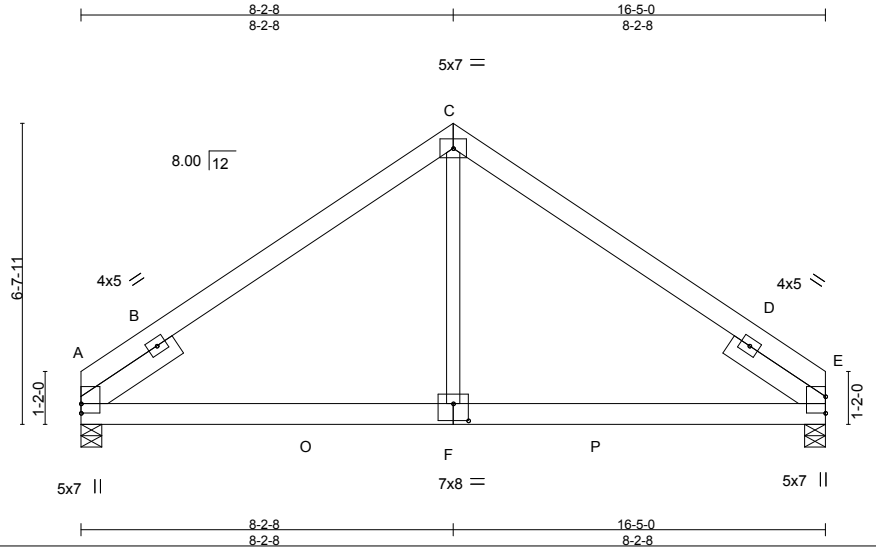

Plate Offsets (X,Y)-- [F:0-4-0,0-4-8]

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	0.35	Vert(LL)	-0.03	F-I	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.31	Vert(TL)	-0.06	F-I	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.03	E	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.07	F-I	>999	240	Weight: 106 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=657/0-5-8, E=657/0-5-8
Max Horz A=-286(LC 6)
Max Uplift A=-229(LC 8), E=-229(LC 9)
Max Grav A=670(LC 2), E=670(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-334/0, B-C=-671/567, C-D=-671/567, D-E=-334/0
BOT CHORD A-O=-219/559, F-O=-219/559, F-P=-219/559, E-P=-219/559
WEBS C-F=-31/392

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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) except (jt=lb) A=229, E=229.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	C04	Hip Supported Gable	1	1	I28709801
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:39 2017 Page 1
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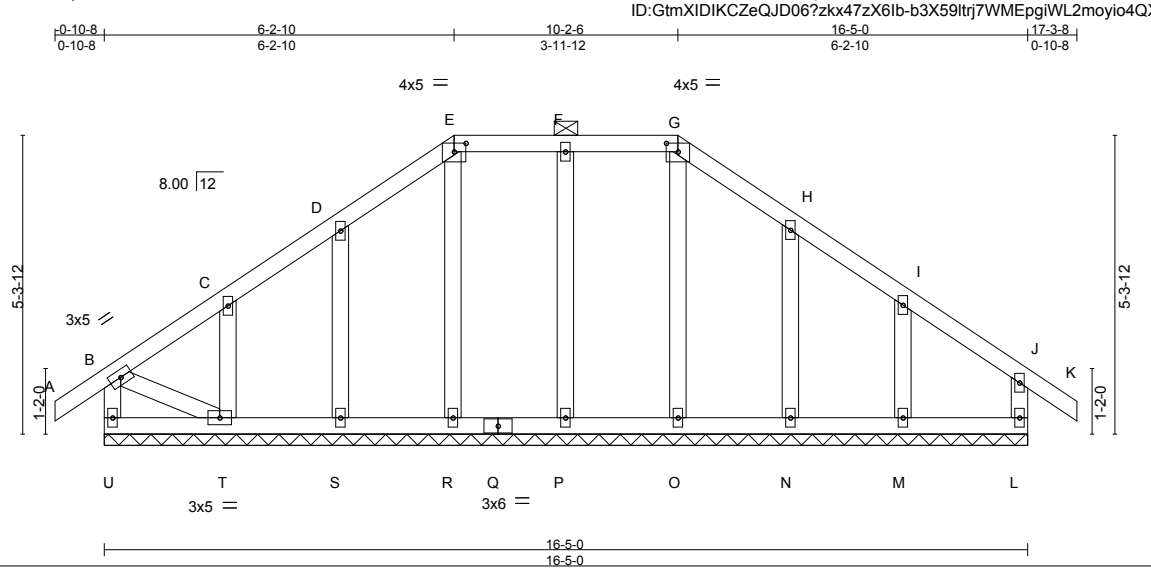

Plate Offsets (X,Y)-- [E:0-2-8,0-1-13], [G:0-2-8,0-1-13]

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	0.13	Vert(LL)	-0.00	K	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	-0.00	K	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.00	L	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 99 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
B-T: 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.): E-G.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: T-U.

REACTIONS. All bearings 16-5-0.
(lb) - Max Horz U=-363(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) O except U=-295(LC 6), L=-196(LC 9), P=-184(LC 7), R=-130(LC 7), S=-220(LC 8), T=-264(LC 8), N=-205(LC 9), M=-240(LC 9)
Max Grav All reactions 250 lb or less at joint(s) U, L, O, P, R, S, T, N, M

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-U=-195/302, B-C=-261/319, C-D=-166/301, D-E=-68/393, E-F=-13/360, F-G=-13/360, G-H=-40/374
BOT CHORD T-U=-319/347
WEBS B-T=-286/315

NOTES- (15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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) O except (jt=lb) U=295, L=196, P=184, R=130, S=220, T=264, N=205, M=240.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	C05	GABLE	1	1	I28709802
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:40 2017 Page 1
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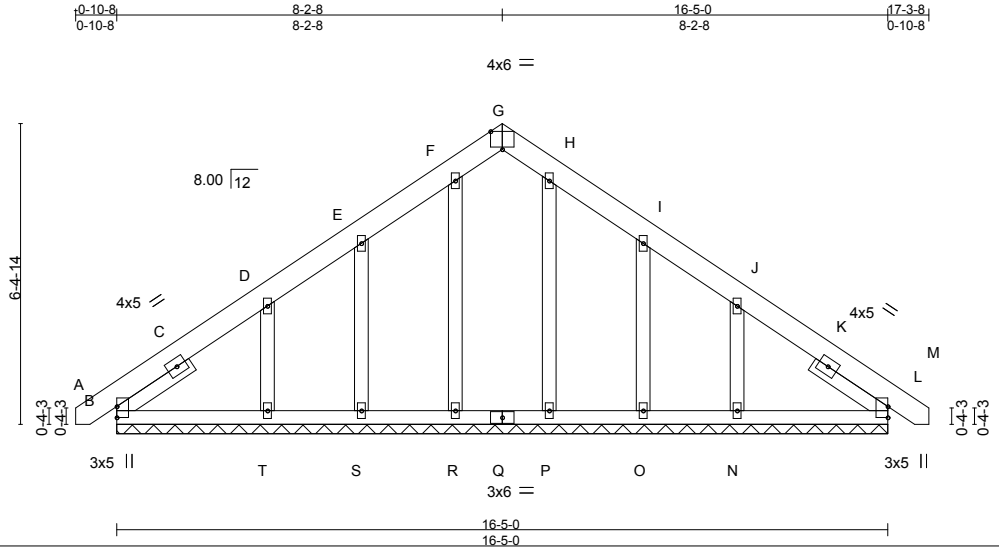

Plate Offsets (X,Y)-- [G:0-3-0,Edge]

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	0.11	Vert(LL)	0.00	L	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	0.00	M	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.00	L	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 115 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-10-11, Right 2x4 SP No.3 1-10-11

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 16-5-0.
(lb) - Max Horz B=313(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) L, R except B=-110(LC 6), S=-122(LC 8), T=-230(LC 8), O=-129(LC 9), N=-221(LC 9)
Max Grav All reactions 250 lb or less at joint(s) B, L, R, S, T, P, O, N

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-259/190, E-F=-87/284, F-G=-69/272, G-H=-69/272, H-I=-87/284
WEBS D-T=-174/355, J-N=-174/354

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) L, R except (jt=lb) B=110, S=122, T=230, O=129, N=221.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	C06	COMMON	5	1	I28709803
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:40 2017 Page 1
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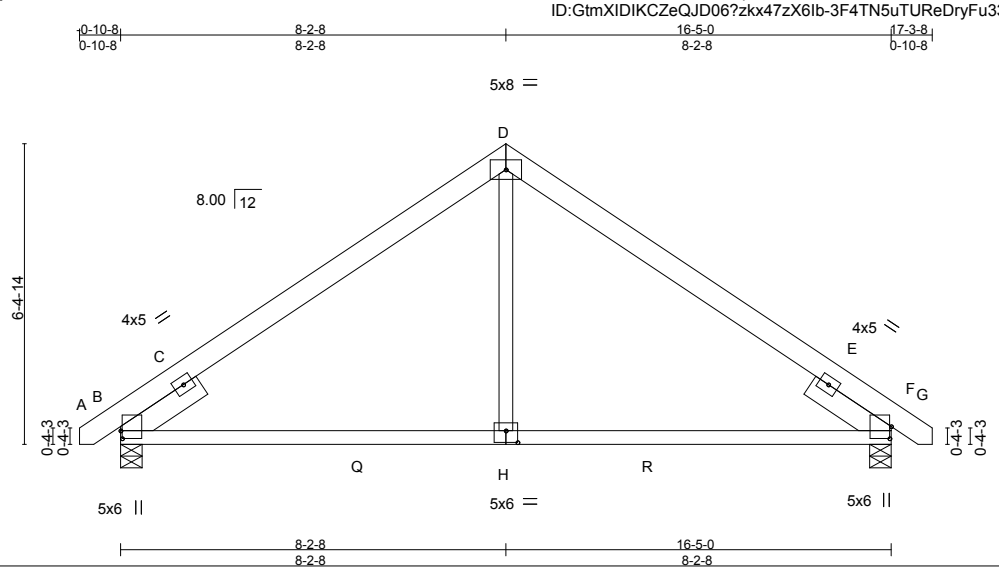

Plate Offsets (X,Y)-- [B:0-2-0,0-0-6], [F:0-3-1,0-0-6], [H:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.06	H-K	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(TL)	-0.14	H-K	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.03	F	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.11	H-K	>999	240	Weight: 94 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-12, Right 2x6 SP No.2 1-11-12

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

REACTIONS. (lb/size) B=700/0-5-8, F=700/0-5-8
Max Horz B=285(LC 7)
Max Uplift B=-291(LC 8), F=-291(LC 9)
Max Grav B=704(LC 2), F=704(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-497/251, C-D=-755/548, D-E=-755/549, E-F=-497/251
BOT CHORD B-Q=-185/571, H-Q=-185/571, H-R=-185/571, F-R=-185/571
WEBS D-H=0/377

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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) except (jt=lb) B=291, F=291.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	C07	COMMON	2	1	I28709804
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:41 2017 Page 1
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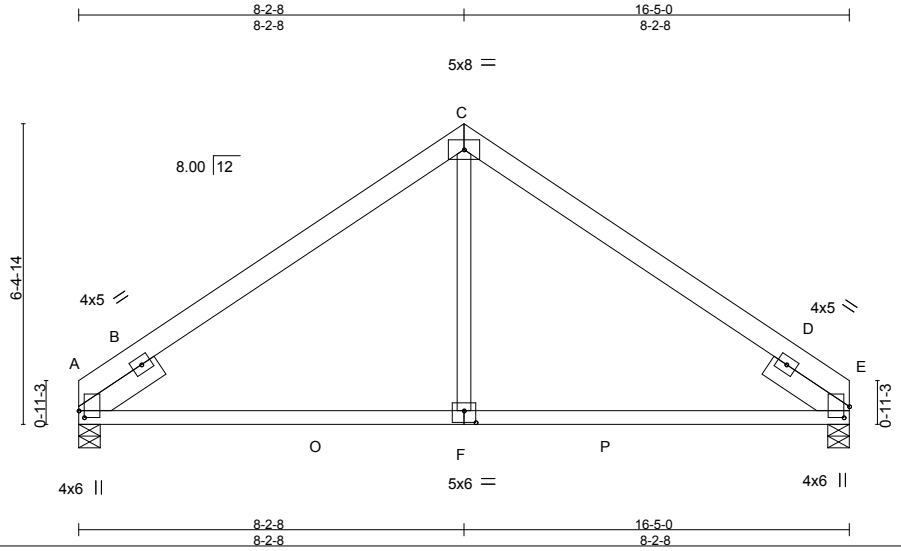

Plate Offsets (X,Y)-- [A:0-1-12,0-1-6], [E:0-2-13,0-1-6], [F:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.06	F-I	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(TL)	-0.14	F-I	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.03	E	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.11	F-I	>999	240	Weight: 89 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-12, Right 2x6 SP No.2 1-11-12

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

REACTIONS. (lb/size) A=657/0-5-8, E=657/0-5-8
Max Horz A=286(LC 7)
Max Uplift A=-230(LC 8), E=-230(LC 9)
Max Grav A=667(LC 2), E=667(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-506/263, B-C=-758/550, C-D=-758/550, D-E=-506/263
BOT CHORD A-O=-221/574, F-O=-221/574, F-P=-221/574, E-P=-221/574
WEBS C-F=0/377

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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) except (jt=lb) A=230, E=230.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	D01	GABLE	2	1	I28709805
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:41 2017 Page 1
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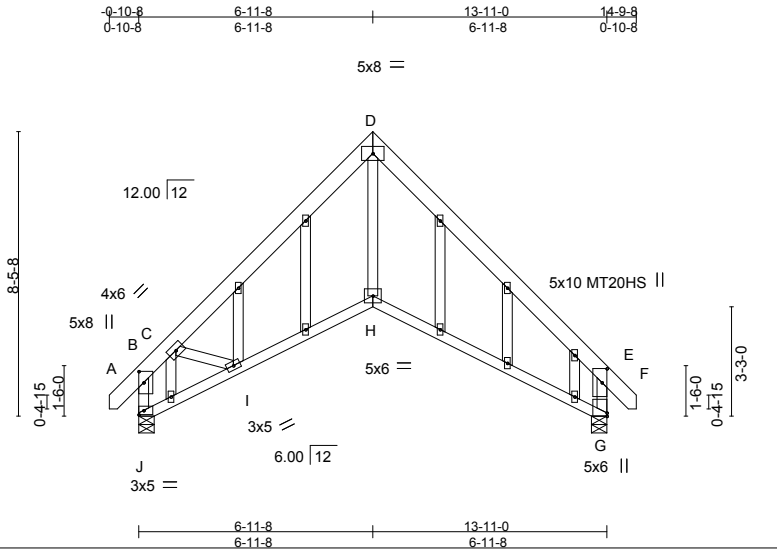

Plate Offsets (X,Y)-- [B:0-4-0,0-1-12], [E:0-5-0,0-1-12]

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	0.80	Vert(LL)	-0.06	G-H	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(TL)	-0.18	G-H	>894	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(TL)	0.20	G	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.22	H-I	>731	240	Weight: 110 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
D-H,C-I: 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) J=599/0-5-8, G=599/0-5-8
Max Horz J=580(LC 7)
Max Uplift J=-418(LC 8), G=-418(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-688/445, C-D=-693/412, D-E=-742/435, B-J=-719/474, E-G=-705/568
BOT CHORD I-J=-554/684, H-I=-393/689, G-H=-367/672
WEBS D-H=-291/636

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Bearing at joint(s) J, G considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) J=418, G=418.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	D02	SCISSORS	2	1	I28709806
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:42 2017 Page 1
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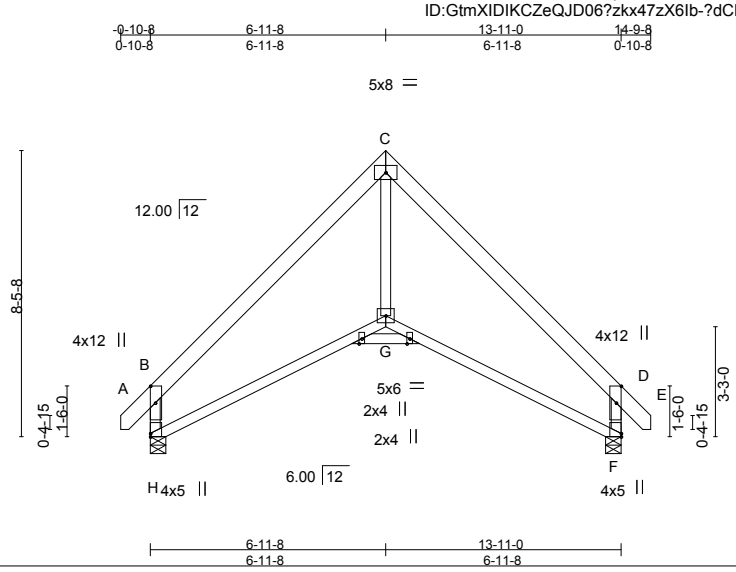

Plate Offsets (X,Y)-- [B:0-6-0,Edge], [D:0-6-0,Edge], [H:0-1-3,Edge]

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	0.81	Vert(LL)	-0.07	F-G	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(TL)	-0.18	G-H	>889	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.18	F	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	-0.12	G-H	>999	240	Weight: 89 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) H=599/0-5-8, F=599/0-5-8
Max Horz H=454(LC 7)
Max Uplift H=-231(LC 8), F=-231(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-741/383, C-D=-741/390, B-H=-707/502, D-F=-707/562
BOT CHORD G-H=-275/575, F-G=-258/564
WEBS C-G=-141/551

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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.
6) Bearing at joint(s) H, F considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) H=231, F=231.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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TRENCO
A MiTek Affiliate
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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	D03	SCISSORS	8	1	I28709807
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:42 2017 Page 1
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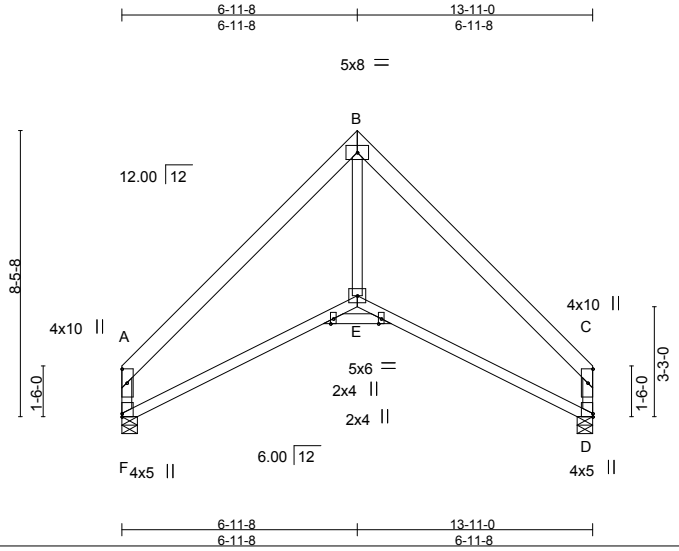

Plate Offsets (X,Y)-- [F:0-1-3,Edge]

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	0.77	Vert(LL)	-0.08	E	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(TL)	-0.19	D-E	>843	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.20	D	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	-0.12	E-F	>999	240	Weight: 84 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) F=545/0-5-8, D=545/0-5-8
Max Horz F=457(LC 7)
Max Uplift F=-187(LC 9), D=-187(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-740/475, B-C=-740/483, A-F=-650/522, C-D=-650/533
BOT CHORD E-F=-329/523, D-E=-310/510
WEBS B-E=-182/546

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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.
6) Bearing at joint(s) F, D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) F=187, D=187.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	D04	Scissor	2	1	I28709808
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686

7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:43 2017 Page 1
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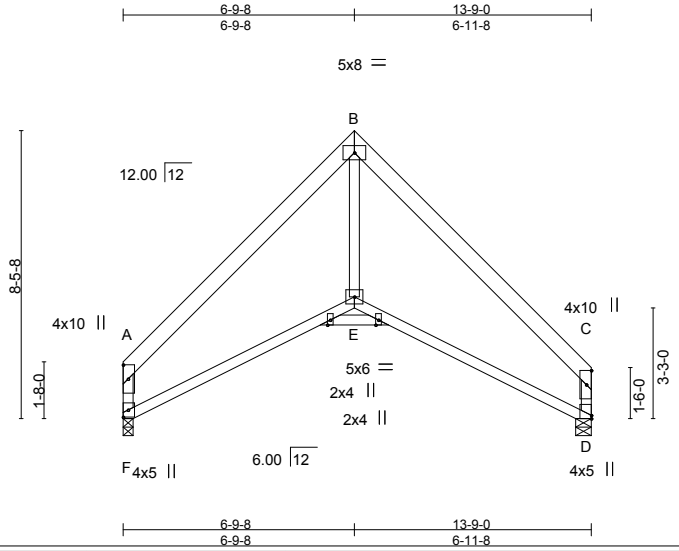

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.08	E	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(TL)	-0.20	D-E	>796	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(TL)	0.20	D	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	-0.12	E-F	>999	240	Weight: 83 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) F=538/0-3-8, D=538/0-5-8
Max Horz F=-459(LC 6)
Max Uplift F=-186(LC 9), D=-184(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-722/469, B-C=-722/469, A-F=-637/512, C-D=-637/524
BOT CHORD E-F=-324/519, D-E=-306/507
WEBS B-E=-180/531

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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.
6) Bearing at joint(s) F, D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) F=186, D=184.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/ I28709809
760483	D05	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686

7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:43 2017 Page 1
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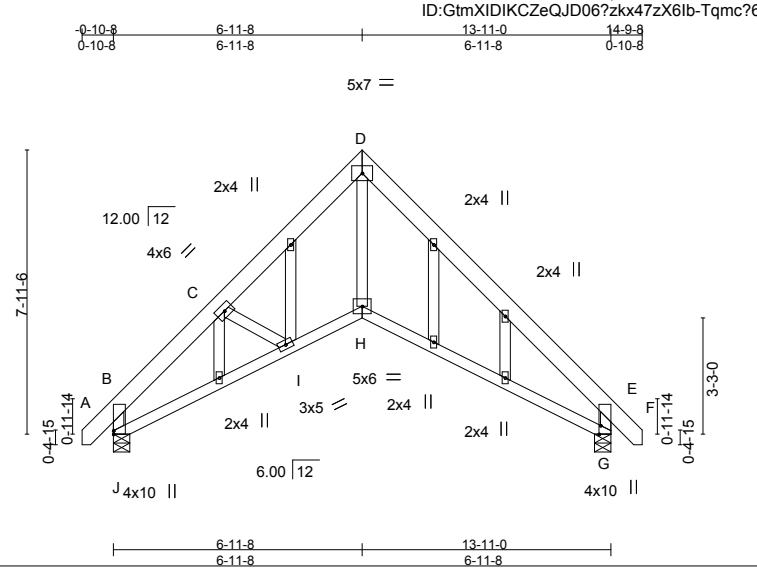


Plate Offsets (X,Y)-- [G:0-2-15,Edge], [J:0-1-3,Edge]

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	0.60	Vert(LL)	-0.06	G-H	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(TL)	-0.16	G-H	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.11	G	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.17	I-J	>973	240	Weight: 101 lb	FT = 20%

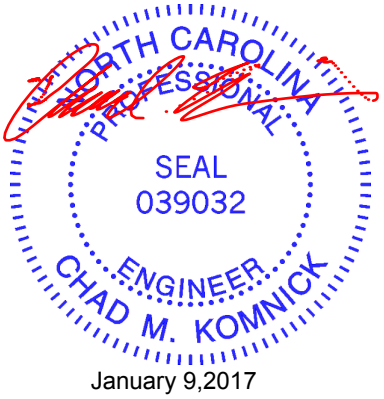
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
D-H,C-I: 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) J=599/0-5-8, G=599/0-5-8
Max Horz J=415(LC 7)
Max Uplift J=-239(LC 8), G=-239(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-826/421, C-D=-692/413, D-E=-831/338, B-J=-756/497, E-G=-757/538
BOT CHORD I-J=-371/614, H-I=-253/604, G-H=-222/584
WEBS D-H=-226/596

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) Gable studs spaced at 2-0-0 oc.
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) J, G 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) except (jt=lb) J=239, G=239.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.



January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	D06	SCISSORS	4	1	I28709810
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:43 2017 Page 1
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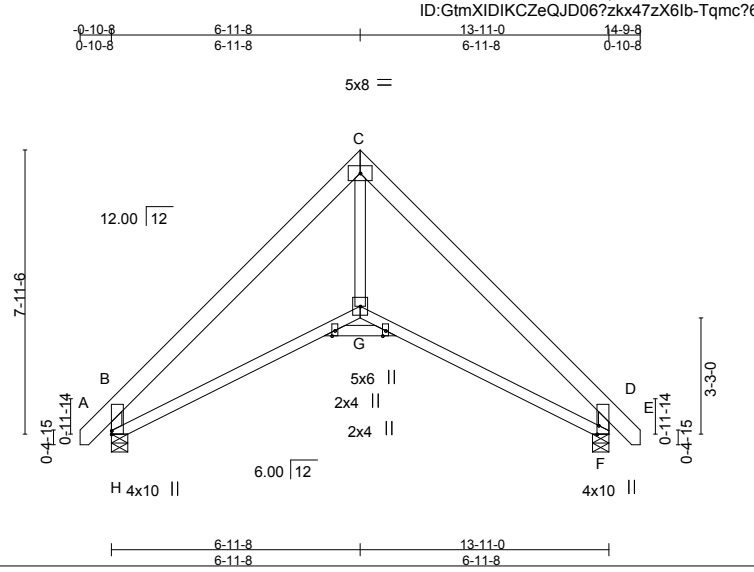

Plate Offsets (X,Y)-- [F:0-2-15,Edge], [H:0-1-3,Edge]

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	0.60	Vert(LL)	-0.06	F-G	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(TL)	-0.16	G-H	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.11	F	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	-0.08	G-H	>999	240	Weight: 86 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) H=599/0-5-8, F=599/0-5-8
Max Horz H=415(LC 7)
Max Uplift H=-239(LC 8), F=-239(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-827/334, C-D=-827/338, B-H=-756/486, D-F=-756/528
BOT CHORD G-H=-243/592, F-G=-229/582
WEBS C-G=-116/620

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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.
6) Bearing at joint(s) H, F considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) H=239, F=239.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.

January 9,2017

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	D07	SCISSORS	8	1	I28709811
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686

7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:44 2017 Page 1
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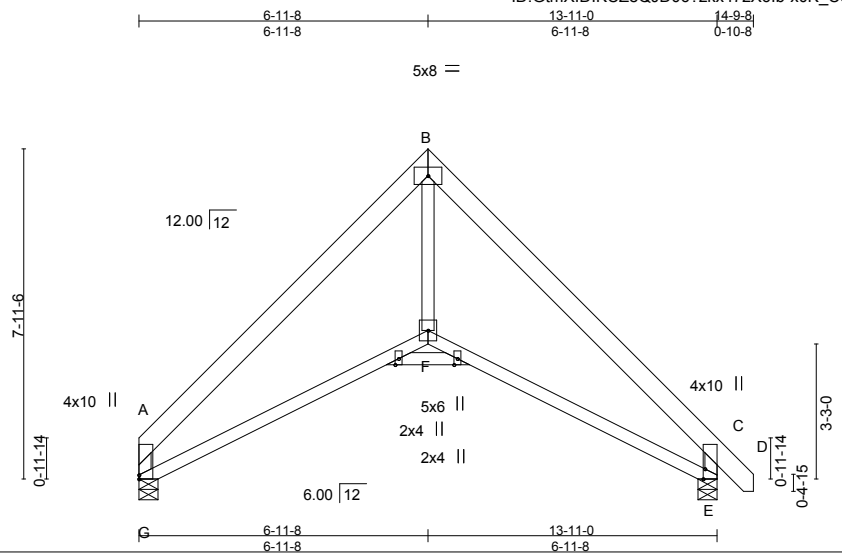

Plate Offsets (X,Y)-- [A:0-1-3,Edge], [C:0-2-15,Edge]

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	0.60	Vert(LL)	-0.06	E-F	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(TL)	-0.16	E-F	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.11	E	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	-0.08	F-G	>999	240	Weight: 84 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) G=543/0-5-8, E=601/0-5-8
Max Horz G=-450(LC 6)
Max Uplift G=-181(LC 9), E=-239(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-827/334, B-C=-830/338, A-G=-698/418, C-E=-758/528
BOT CHORD F-G=-243/593, E-F=-230/583
WEBS B-F=-116/619

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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.
6) Bearing at joint(s) G, E considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) G=181, E=239.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	D08	Scissor	2	1	I28709812
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686

7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:44 2017 Page 1
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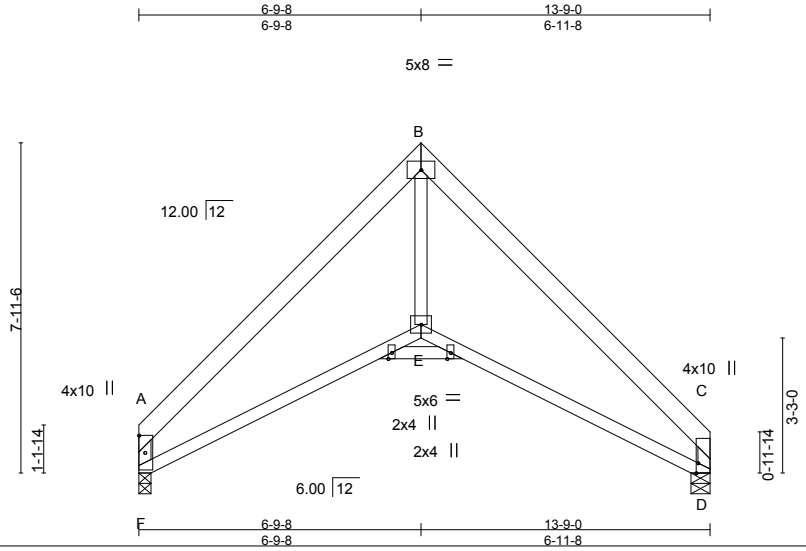

Plate Offsets (X,Y)-- [C:0-2-15,Edge]

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	0.95	Vert(LL)	-0.06	D-E	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(TL)	-0.17	D-E	>965	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(TL)	0.12	D	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	-0.07	E-F	>999	240	Weight: 81 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) F=538/0-3-8, D=538/0-5-8
Max Horz F=-420(LC 6)
Max Uplift F=-181(LC 9), D=-179(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-809/453, B-C=-809/448, A-F=-686/501, C-D=-686/507
BOT CHORD E-F=-302/535, D-E=-288/537
WEBS B-E=-166/602

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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.
6) Bearing at joint(s) F, D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) F=181, D=179.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.

January 9,2017

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	FG01	Flat Girder	2	3	I28709813
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:45 2017 Page 1
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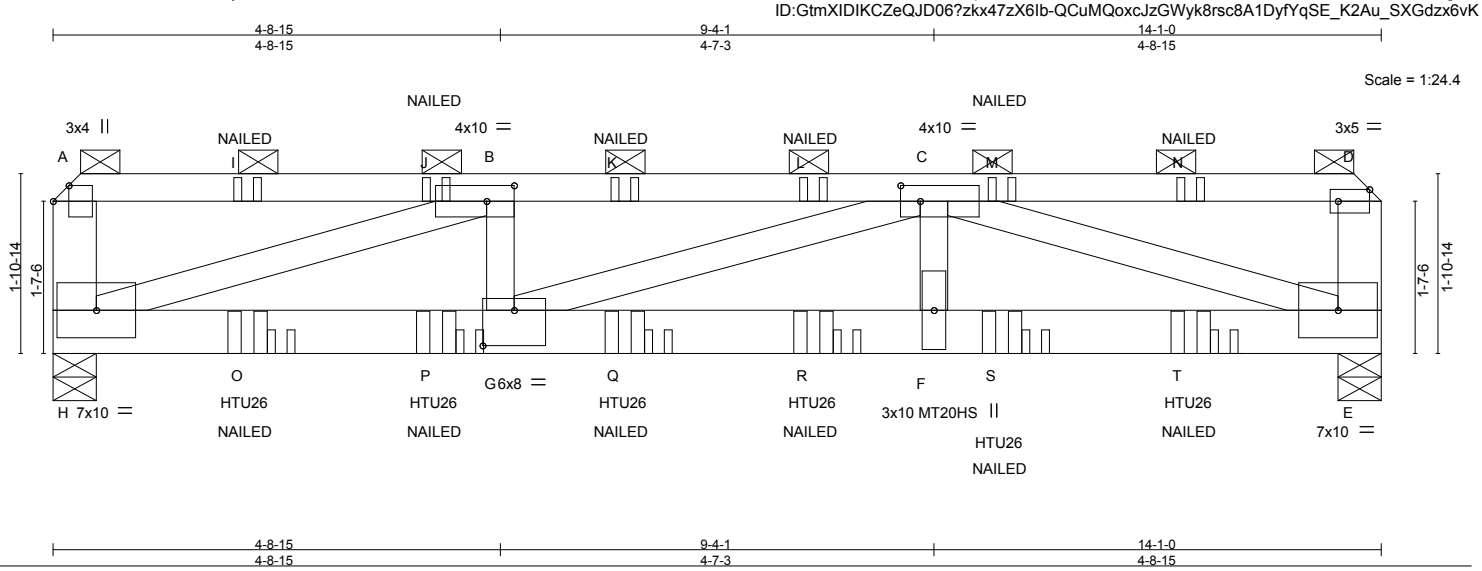

Plate Offsets (X,Y)-- [A:0-2-0,Edge], [B:0-3-8,0-2-0], [C:0-2-8,0-2-0], [D:0-4-0,Edge], [G:0-4-0,0-4-8]

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	0.84	Vert(LL)	-0.16	F-G	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(TL)	-0.39	F-G	>415	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.68	Horz(TL)	0.07	E	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-M)		Wind(LL)	0.19	F-G	>852	240	Weight: 246 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.2 *Except*
A-H,D-E: 2x6 SP No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (4-5-2 max.): A-D, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) H=6213/0-5-8, E=6248/0-5-8
Max Horz H=99(LC 5)
Max Uplift H=-2116(LC 4), E=-2132(LC 5)
Max Grav H=6803(LC 2), E=6842(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-H=-365/255, A-I=-1034/349, I-J=-1034/349, B-J=-1034/349, B-K=-15177/4558, K-L=-15177/4558, C-L=-15177/4558, C-M=-1000/338, M-N=-1000/338, D-N=-1000/338, D-E=-351/256
BOT CHORD H-O=-4578/15177, O-P=-4578/15177, G-P=-4578/15177, G-Q=-4637/15428, Q-R=-4637/15428, F-R=-4637/15428, F-S=-4637/15428, S-T=-4637/15428, E-T=-4637/15428
WEBS B-H=-14934/4460, B-G=-1118/4546, C-G=-265/100, C-F=-1157/4684, C-E=-15236/4550

NOTES- (16)
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 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 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) H=2116 , E=2132.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 12-0-12 to connect truss(es) to front face of bottom chord.
13) Fill all nail holes where hanger is in contact with lumber.
14) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails. For more details refer to MiTek's ST-TOENAIL Detail.

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Continued on page 2

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NOTES- (16)

15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 109 lb down and 96 lb up at 0-2-12, and 109 lb down and 101 lb up at 13-10-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
16) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-D=-60, E-H=-20
Concentrated Loads (lb)
Vert: A=-109 D=-109 I=-64(B) J=-64(B) K=-64(B) L=-64(B) M=-64(B) N=-64(B) O=-1795(F=-1761, B=-33) P=-1795(F=-1761, B=-33) Q=-1795(F=-1761, B=-33) R=-1795(F=-1761, B=-33) S=-1795(F=-1761, B=-33) T=-1795(F=-1761, B=-33)

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	G01	GABLE	1	1	I28709814
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:46 2017 Page 1
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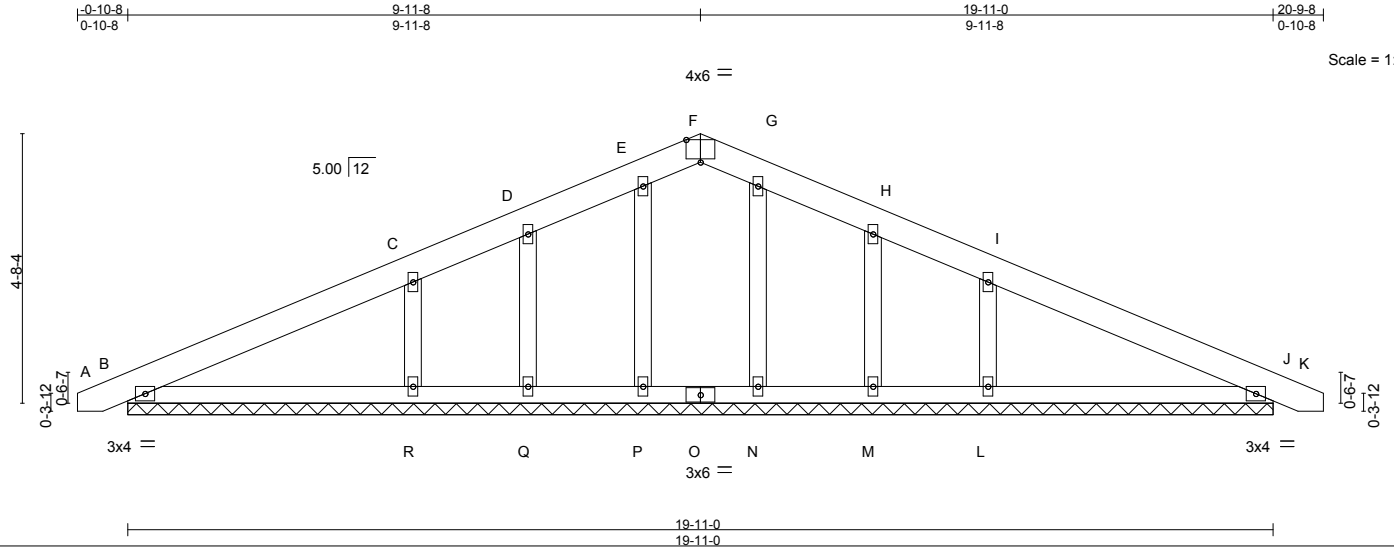

Plate Offsets (X,Y)-- [F:0-3-0,Edge]

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	0.17	Vert(LL)	0.00	K	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	0.01	K	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.00	J	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 109 lb	FT = 20%

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

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

REACTIONS. All bearings 19-11-0.
(lb) - Max Horz B=123(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) Q, M except B=-172(LC 8), J=-202(LC 9), P=-101(LC 8), R=-389(LC 8), N=-100(LC 9), L=-387(LC 9)
Max Grav All reactions 250 lb or less at joint(s) F, B, J, P, Q, N, M except R=401(LC 1), L=401(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD D-E=-19/274, E-F=-11/331, F-G=-11/331, G-H=-19/275
WEBS C-R=-299/486, I-L=-299/486

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) Q, M except (jt=lb) B=172, J=202, P=101, R=389, N=100, L=387.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	G02	COMMON	10	1	I28709815
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:46 2017 Page 1
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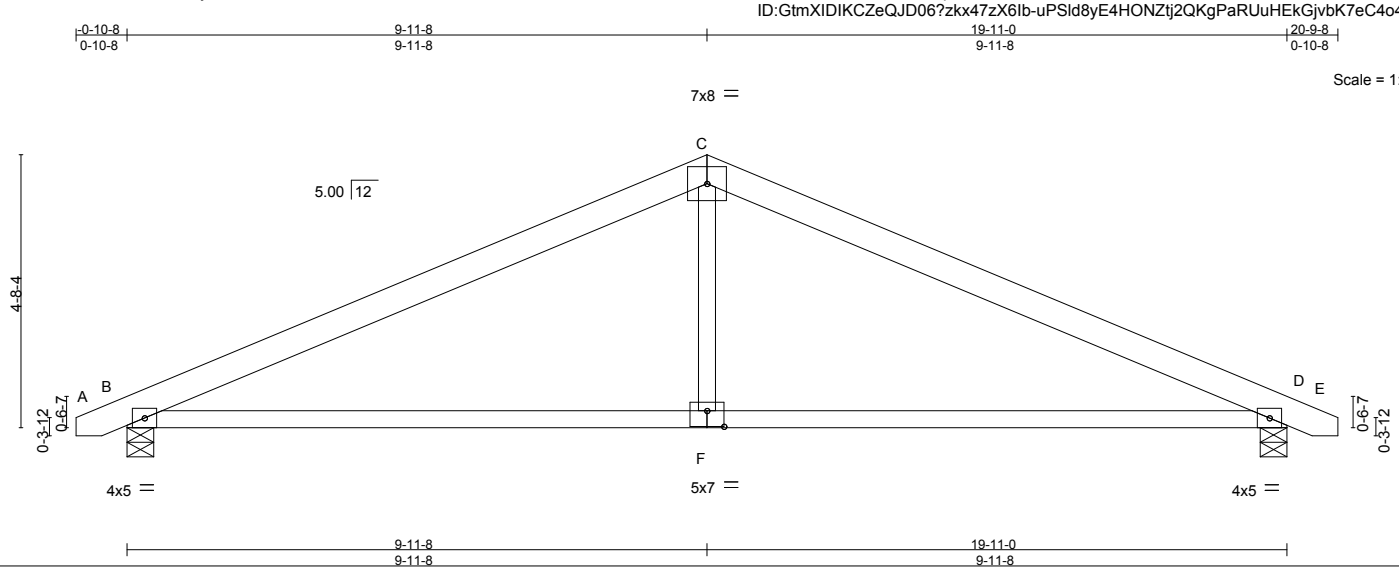


Plate Offsets (X,Y)-- [F:0-3-8,0-3-4]

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	0.58	Vert(LL)	-0.12	F-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(TL)	-0.36	F-L	>666	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.03	D	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.14	F-I	>999	240	Weight: 91 lb	FT = 20%

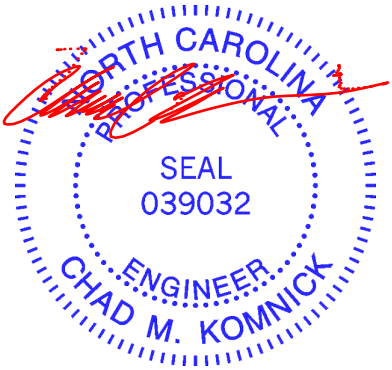
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) B=836/0-5-8, D=836/0-5-8
Max Horz B=111(LC 8)
Max Uplift B=-354(LC 8), D=-354(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1227/1093, C-D=-1227/1093
BOT CHORD B-F=-776/1072, D-F=-776/1072
WEBS C-F=0/403

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=354, D=354.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 9,2017

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	G03	Hip Supported Gable	2	1	I28709816
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:47 2017 Page 1
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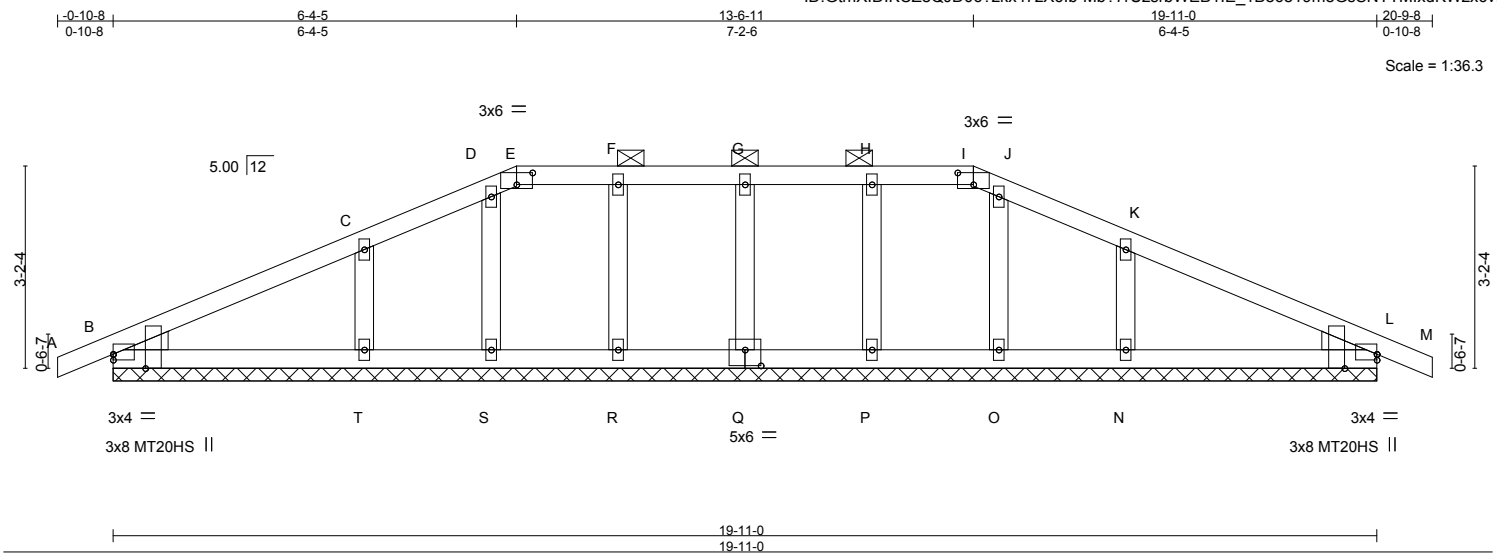

Plate Offsets (X,Y)-- [B:0-2-11,Edge], [B:0-0-0,0-1-1], [E:0-3-0,0-2-4], [I:0-3-0,0-2-4], [L:0-2-11,Edge], [L:Edge,0-1-1], [Q:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	0.00	M	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	0.01	M	n/r	120	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.00	L	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 90 lb	FT = 20%

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

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

REACTIONS. All bearings 19-11-0.
(lb) - Max Horz B=86(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) S, O except B=-184(LC 8), Q=-128(LC 7), R=-124(LC 6), T=-311(LC 8), P=-124(LC 6), L=-201(LC 9), N=-311(LC 9)
Max Grav All reactions 250 lb or less at joint(s) B, Q, R, S, P, O, L except T=310(LC 13), N=310(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS C-T=-220/380, K-N=-220/380

NOTES- (15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
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) S, O except (jt=lb) B=184, Q=128, R=124, T=311, P=124, L=201, N=311.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	J01	Jack-Open	4	1	I28709817
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:47 2017 Page 1

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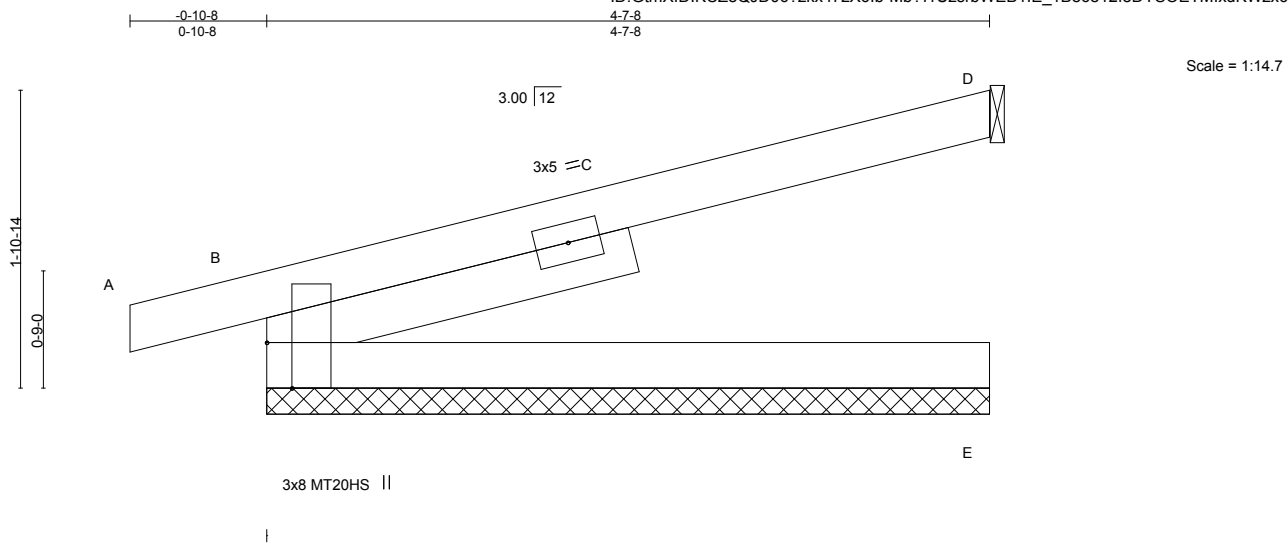

Plate Offsets (X,Y)-- [B:0-3-8,Edge]

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	0.67	Vert(LL)	0.00	A	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(TL)	0.01	A	n/r	120	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.02	D	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 19 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
SLIDER Left 2x4 SP No.2 2-5-1

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

REACTIONS. (lb/size) D=134/4-7-8, B=242/4-7-8, E=46/4-7-8
Max Horz B=111(LC 6)
Max Uplift D=-188(LC 6), B=-227(LC 6)
Max Grav D=134(LC 1), B=242(LC 1), E=93(LC 3)

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

NOTES- (9)
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
3) All plates are MT20 plates unless otherwise indicated.
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 100 lb uplift at joint(s) except (jt=lb) D=188, B=227.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	J02	Jack-Open	12	1	I28709818
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:48 2017 Page 1
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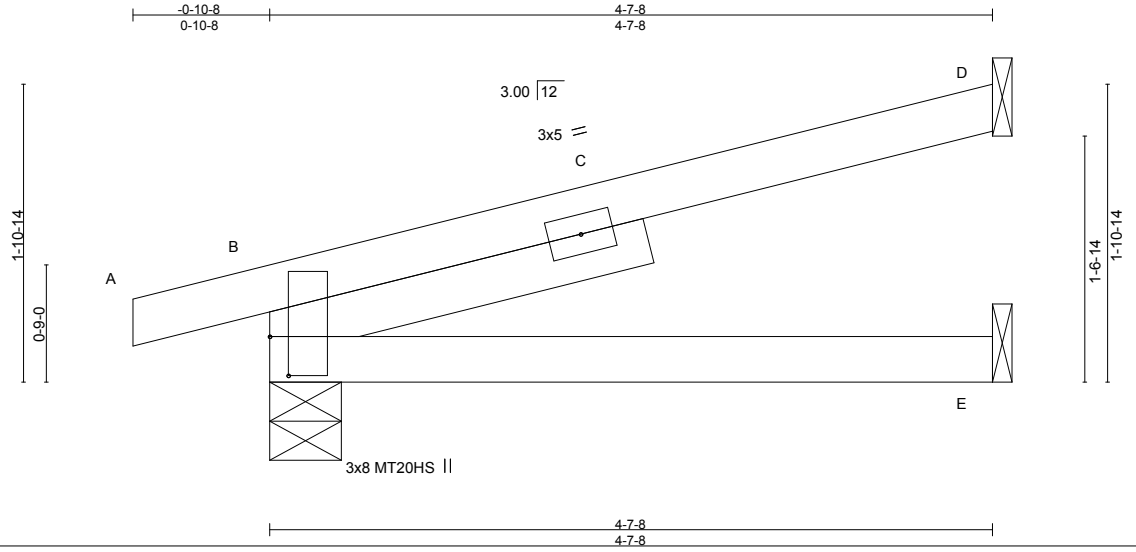


Plate Offsets (X,Y)-- [B:0-3-0,0-1-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.02	E-H	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(TL)	-0.05	E-H	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.02	B	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.04	E-H	>999	240	Weight: 19 lb	FT = 20%

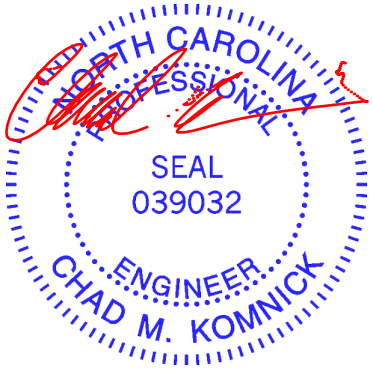
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
SLIDER Left 2x4 SP No.2 2-6-0

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

REACTIONS. (lb/size) D=124/Mechanical, B=240/0-5-8, E=53/Mechanical
Max Horz B=90(LC 6)
Max Uplift D=-98(LC 6), B=-146(LC 6)
Max Grav D=124(LC 1), B=240(LC 1), E=78(LC 3)

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

NOTES- (9)
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) D except (jt=lb) B=146.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	J03	Jack-Open Supported Gable	1	1	I28709819
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:48 2017 Page 1
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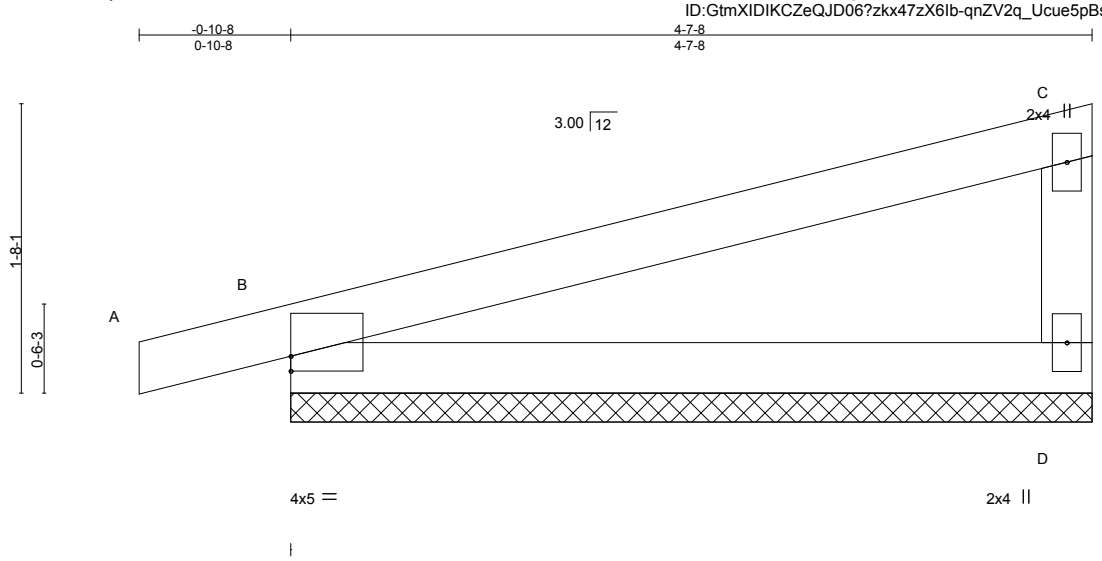


Plate Offsets (X,Y)-- [B:0-0-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	0.00	A	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(TL)	0.02	A	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	D	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 17 lb	FT = 20%

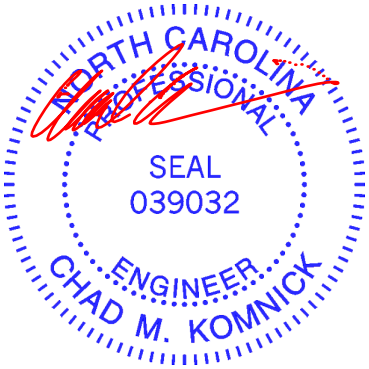
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) D=174/4-7-8, B=237/4-7-8
Max Horz B=93(LC 7)
Max Uplift D=-79(LC 6), B=-158(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD C-D=-129/294

NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) D except (jt=lb) B=158.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.



January 9,2017

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	J04	Jack-Open	6	1	I28709820
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:48 2017 Page 1
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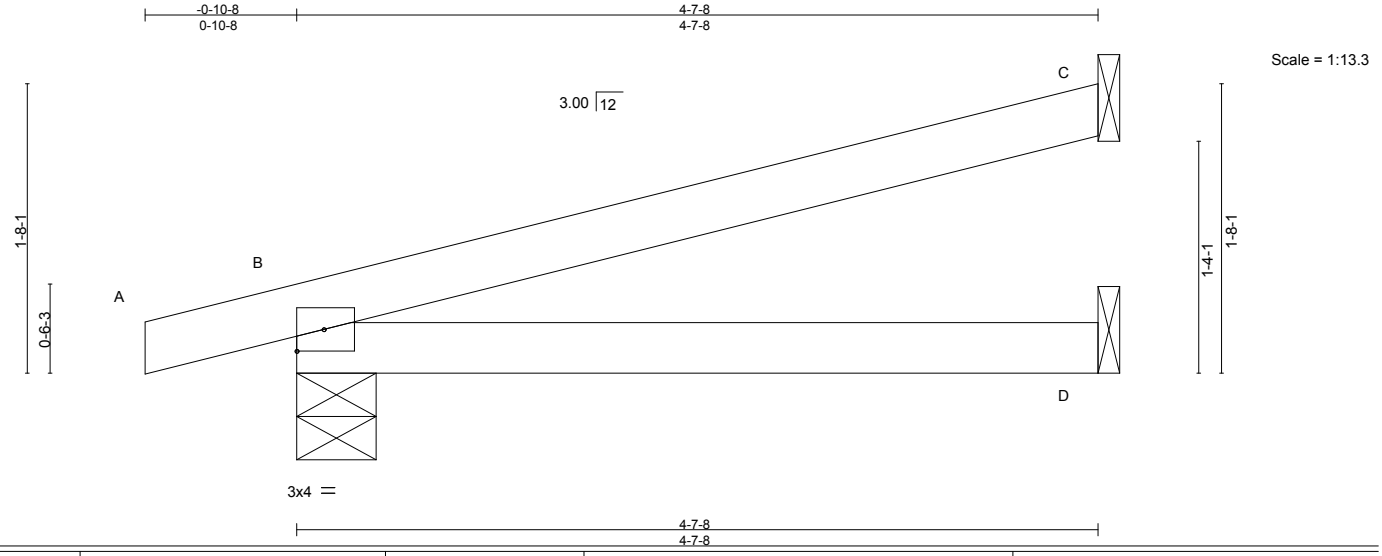


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	-0.02	D-G	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(TL)	-0.05	D-G	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	C	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.04	D-G	>999	240	Weight: 15 lb	FT = 20%

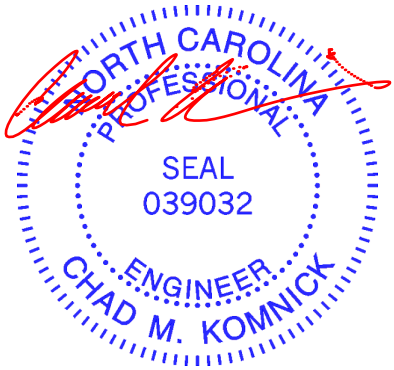
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (lb/size) C=122/Mechanical, B=240/0-5-8, D=55/Mechanical
Max Horz B=90(LC 6)
Max Uplift C=-97(LC 6), B=-151(LC 6)
Max Grav C=122(LC 1), B=240(LC 1), D=83(LC 3)

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

NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) C except (jt=lb) B=151.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.



January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	M01	GABLE	2	1	I28709821
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:49 2017 Page 1
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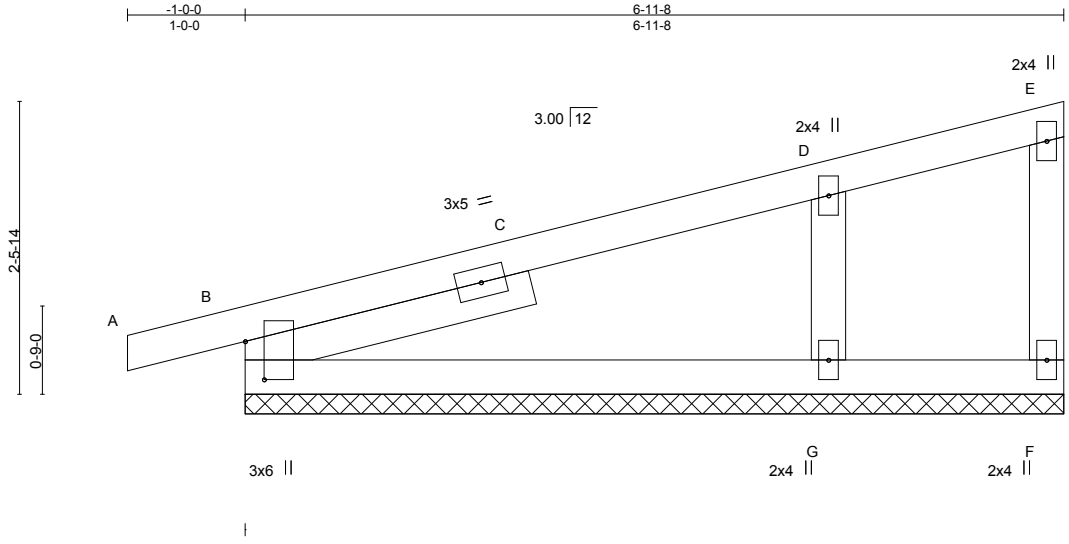


Plate Offsets (X,Y)-- [B:0-3-14,0-1-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	0.00	A	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	0.01	A	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(TL)	-0.00	F	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 31 lb	FT = 20%

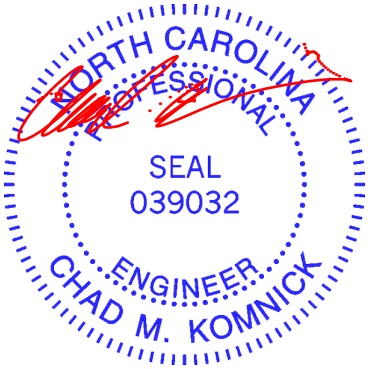
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.2 2-6-4

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

REACTIONS. (lb/size) F=-11/6-11-8, B=233/6-11-8, G=383/6-11-8
Max Horz B=163(LC 6)
Max Uplift F=-16(LC 3), B=-212(LC 6), G=-334(LC 6)
Max Grav F=7(LC 6), B=233(LC 1), G=383(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS D-G=-279/571

NOTES- (10)
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) F except (jt=lb) B=212, G=334.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	M02	Monopitch	16	1	I28709822
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:49 2017 Page 1
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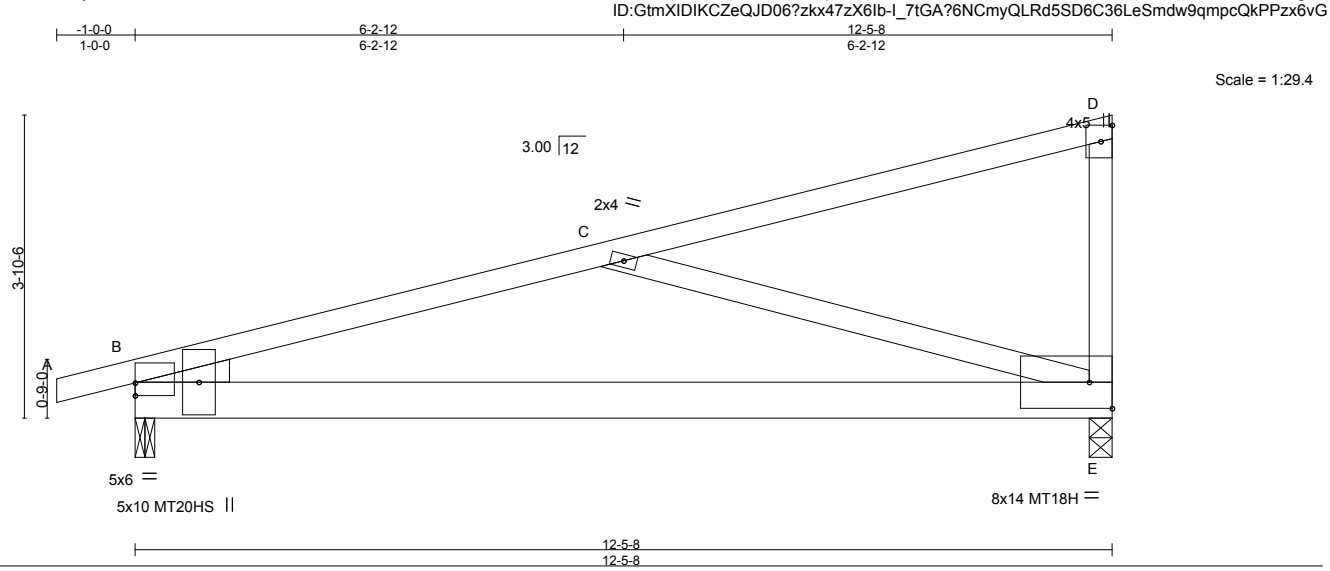

Plate Offsets (X,Y)-- [B:0-0-0,0-1-15]

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)	-0.15	E-H	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.86	Vert(TL)	-0.37	E-H	>404	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(TL)	-0.04	B	n/a	n/a	MT18H	244/190
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.59	E-H	>249	240	Weight: 66 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except*
C-E: 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) B=555/0-3-0, E=490/0-3-8
Max Horz B=210(LC 6)
Max Uplift B=-573(LC 6), E=-542(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-856/1569
BOT CHORD B-E=-1805/816
WEBS C-E=-783/1654

NOTES- (8)
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
3) All plates are MT20 plates unless otherwise indicated.
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) except (jt=lb) B=573, E=542.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	M03	Monopitch Supported Gable	1	1	I28709823
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:49 2017 Page 1

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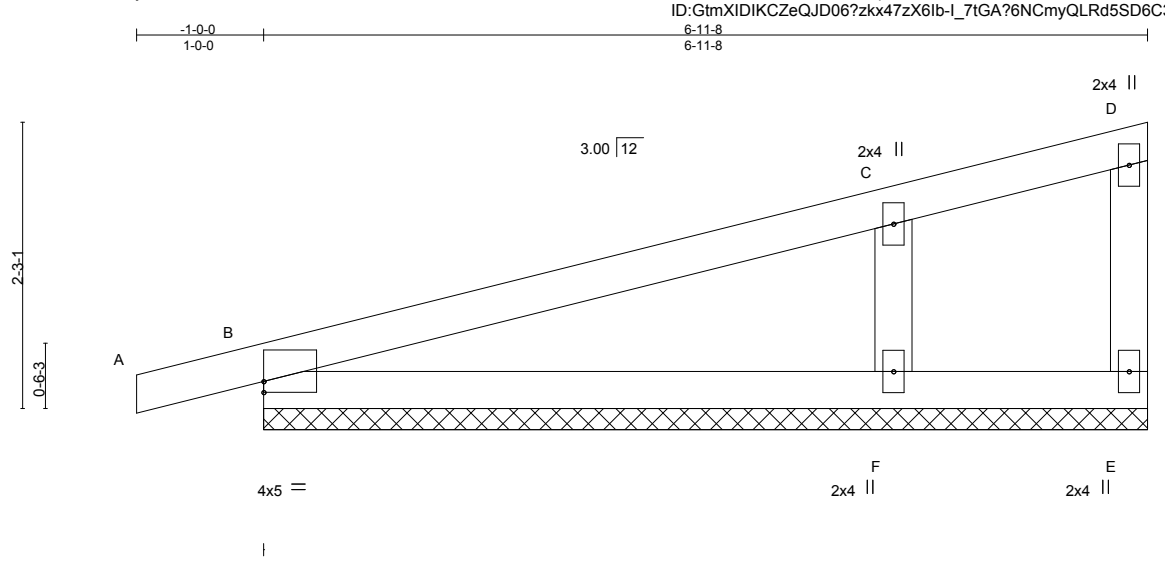


Plate Offsets (X,Y)-- [B:0-0-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	0.01	A	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	0.02	A	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(TL)	0.00	E	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 27 lb	FT = 20%

LUMBER-

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

BRACING-

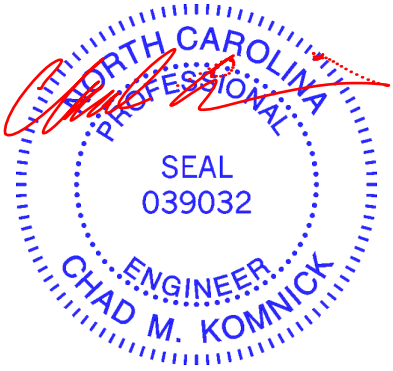
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) E=-29/6-11-8, B=226/6-11-8, F=408/6-11-8
Max Horz B=134(LC 7)
Max Uplift E=-29(LC 1), B=-156(LC 8), F=-196(LC 6)
Max Grav E=20(LC 8), B=226(LC 1), F=408(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS C-F=-290/578

NOTES-

1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) E except (jt=lb) B=156, F=196.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.



January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	M04	Monopitch	8	1	I28709824
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:50 2017 Page 1
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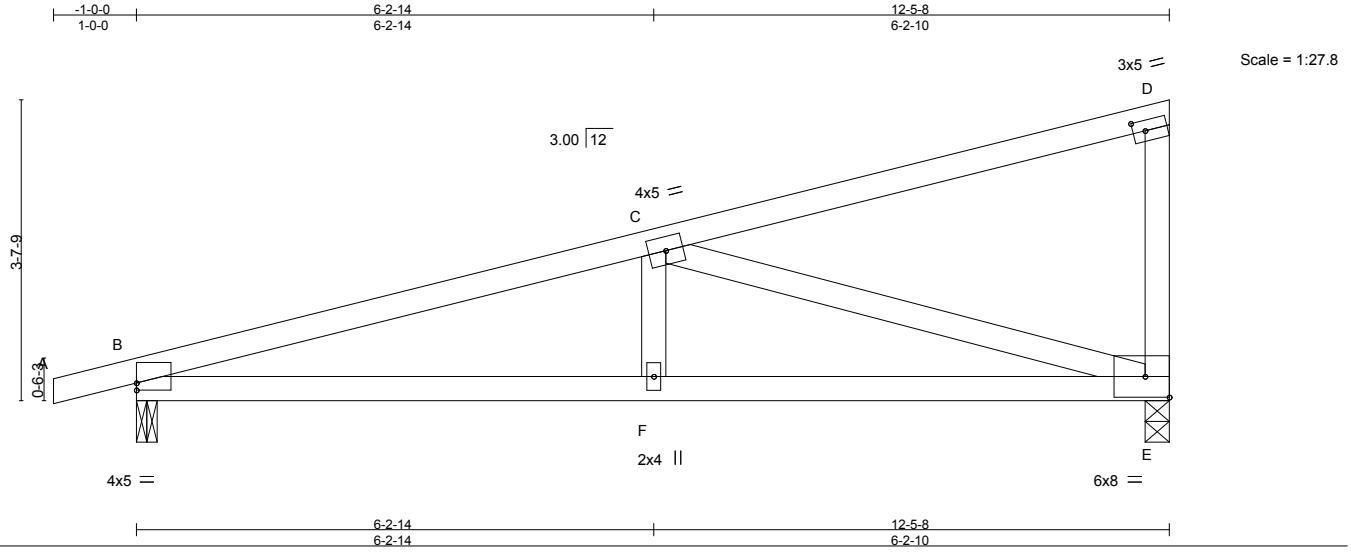

Plate Offsets (X,Y)-- [B:0-0-0,0-1-0], [D:0-1-12,0-1-8]

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	0.74	Vert(LL)	-0.04	E-F	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(TL)	-0.11	E-F	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(TL)	-0.04	E	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.19	E-F	>793	240	Weight: 55 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, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) B=555/0-3-0, E=490/0-3-8
Max Horz B=210(LC 6)
Max Uplift B=-576(LC 6), E=-539(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1047/2339, D-E=-155/257
BOT CHORD B-F=-2506/976, E-F=-2506/976
WEBS C-F=-651/256, C-E=-973/2497

NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=576, E=539.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.

January 9,2017

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	PB01	GABLE	2	1	I28709825
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:50 2017 Page 1
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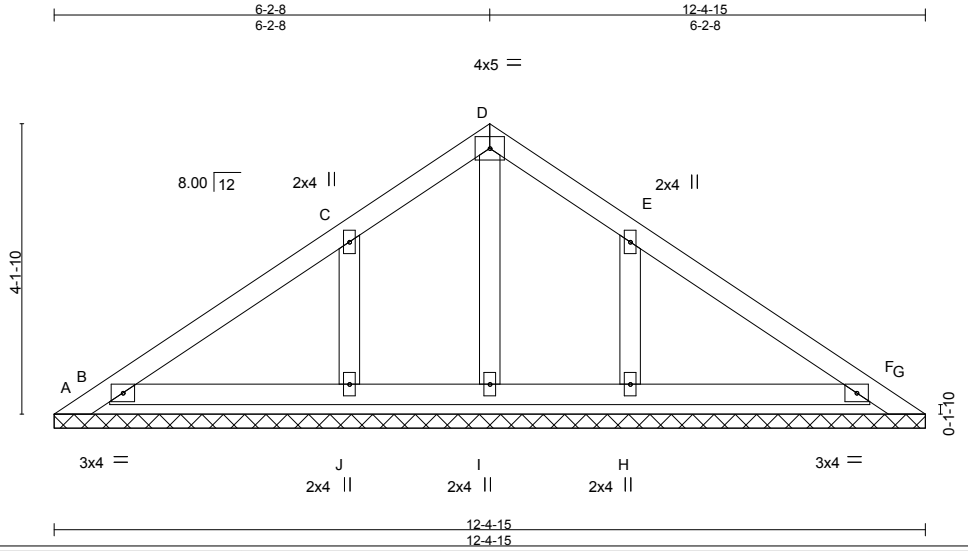

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.00	F	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 50 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 12-4-15.
(lb) - Max Horz A=-259(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) G except A=-174(LC 6), B=-315(LC 8), F=-282(LC 9), J=-310(LC 8), H=-308(LC 9)
Max Grav All reactions 250 lb or less at joint(s) A, G, I except B=278(LC 1), F=278(LC 1), J=251(LC 13), H=251(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-338/317
WEBS C-J=-182/343, E-H=-182/343

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) G except (jt=lb) A=174, B=315, F=282, J=310, H=308.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	PB02	GABLE	42	1	I28709826
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:51 2017 Page 1
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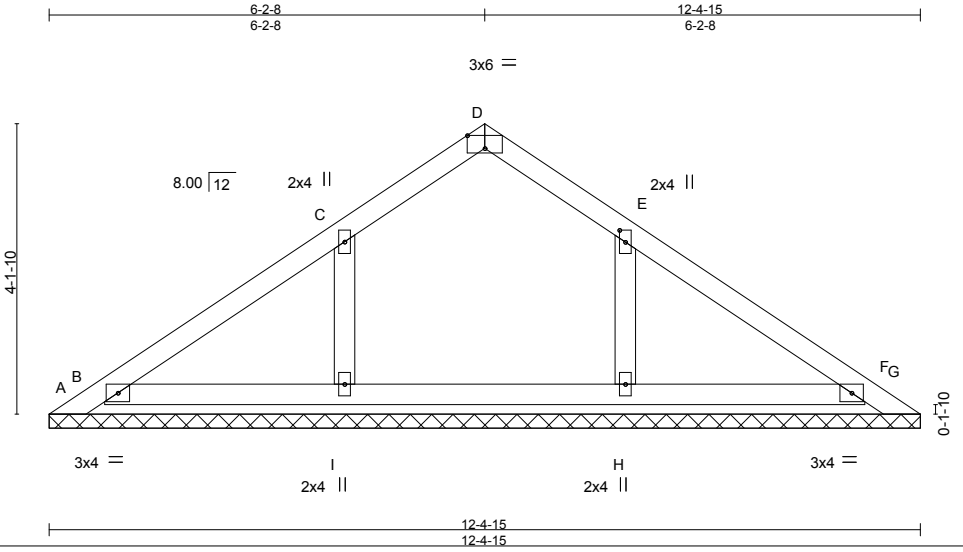

Plate Offsets (X,Y)-- [D:0-3-0,Edge], [E:0-2-1,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.00	F	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 45 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 12-4-15.
(lb) - Max Horz A=207(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) G except A=-132(LC 6), B=-183(LC 7), F=-138(LC 9), I=-180(LC 8), H=-177(LC 9)
Max Grav All reactions 250 lb or less at joint(s) A, G except B=301(LC 1), F=300(LC 1), I=265(LC 13), H=265(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-273/251
WEBS C-I=-184/337, E-H=-184/337

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) G except (jt=lb) A=132, B=183, F=138, I=180, H=177.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	PB03	GABLE	1	1	I28709827
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:51 2017 Page 1
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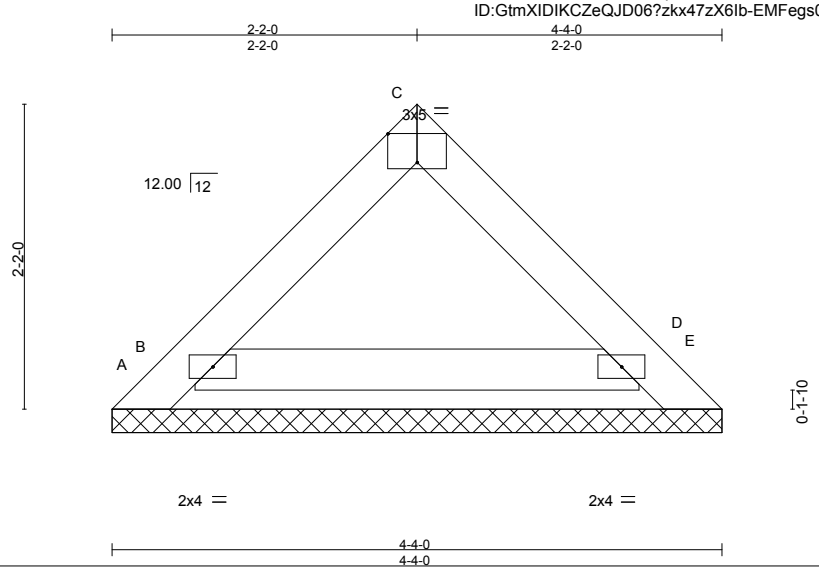

Plate Offsets (X,Y)-- [C:0-2-8,Edge]

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	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	D	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 14 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 4-4-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 4-4-0.
(lb) - Max Horz A=-103(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) A, E except B=-153(LC 8), D=-121(LC 9)
Max Grav All reactions 250 lb or less at joint(s) A, E, B, D

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

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) E, D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, E except (jt=lb) B=153, D=121.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	PB04	GABLE	4	1	I28709828
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:52 2017 Page 1
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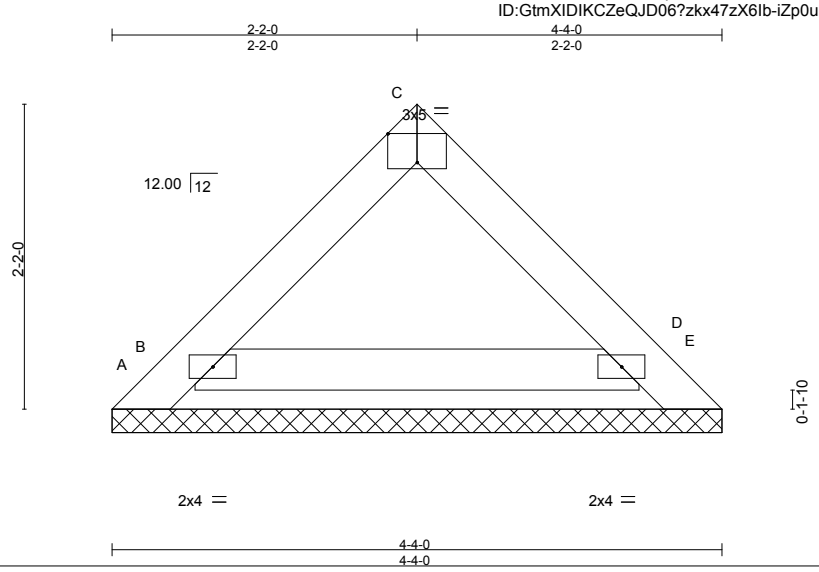

Plate Offsets (X,Y)-- [C:0-2-8,Edge]

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	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	D	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 14 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 4-4-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 4-4-0.
(lb) - Max Horz A=-103(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) A, E except B=-153(LC 8), D=-121(LC 9)
Max Grav All reactions 250 lb or less at joint(s) A, E, B, D

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

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) E, D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, E except (jt=lb) B=153, D=121.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	PB05	GABLE	2	1	I28709829
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:53 2017 Page 1
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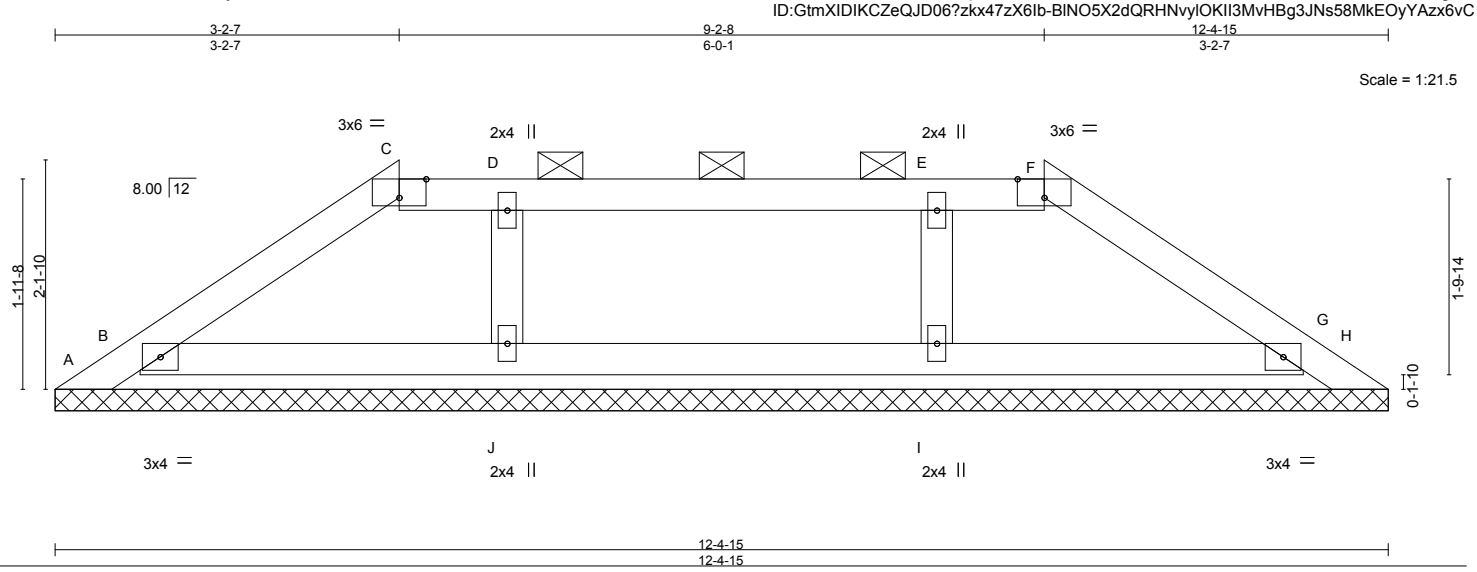

Plate Offsets (X,Y)-- [C:0-3-0,Edge], [F:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.00	G	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 40 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, except 2-0-0 oc purlins (6-0-0 max.): C-F.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 12-4-15.
(lb) - Max Horz A=-98(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) A, H except B=-173(LC 8), G=-151(LC 9), J=-203(LC 7), I=-198(LC 6)
Max Grav All reactions 250 lb or less at joint(s) A, H, B, G except J=316(LC 13), I=316(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS D-J=-235/342, E-I=-235/342

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, H except (jt=lb) B=173, G=151, J=203, I=198.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	PB06	GABLE	1	1	I28709830
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:53 2017 Page 1
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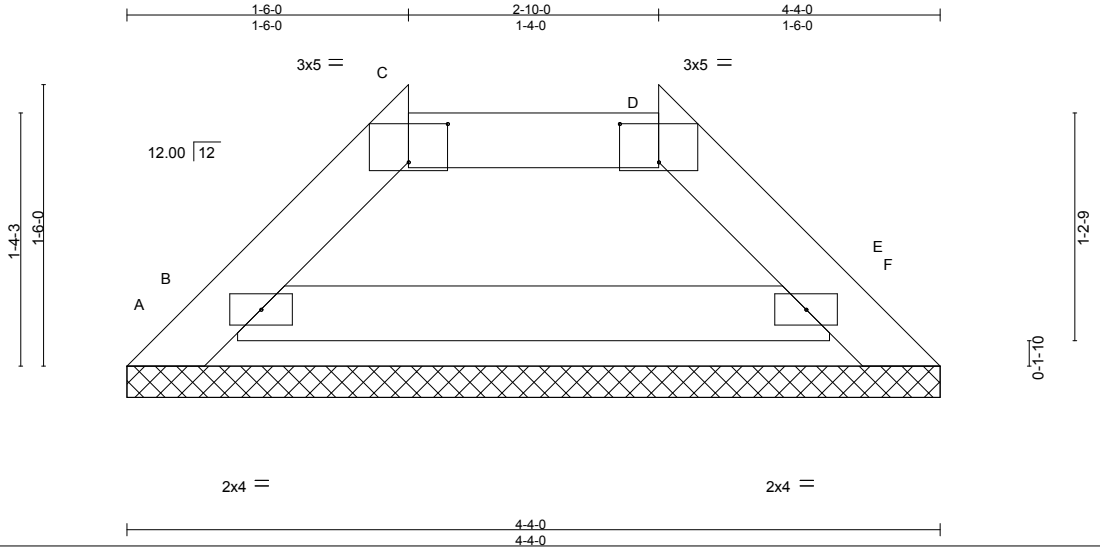

Plate Offsets (X,Y)-- [C:0-2-8,0-2-7], [D:0-2-8,0-2-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	F	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 13 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 4-4-0 oc purlins, except 2-0-0 oc purlins: C-D.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 4-4-0.
(lb) - Max Horz A=-64(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) A, F, E except B=-115(LC 7)
Max Grav All reactions 250 lb or less at joint(s) A, F, B, E

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

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) Provide adequate drainage to prevent water ponding.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, F, E except (jt=lb) B=115.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	PB07	GABLE	2	1	I28709831
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:53 2017 Page 1
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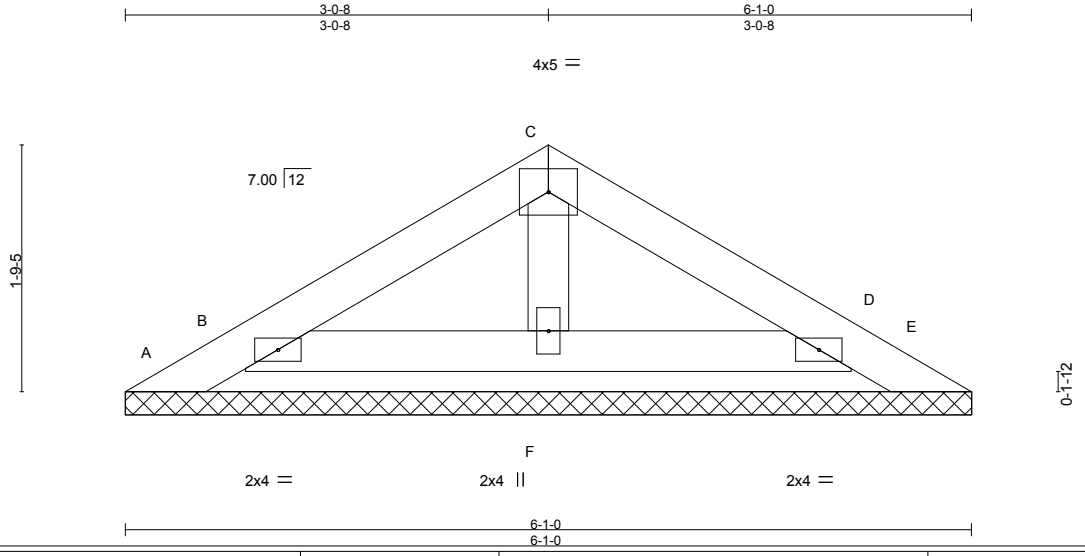

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	D	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 18 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 6-1-0.
(lb) - Max Horz A=-84(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) A, E, F except B=-145(LC 8), D=-134(LC 9)
Max Grav All reactions 250 lb or less at joint(s) A, E, B, D, F

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, E, F except (jt=lb) B=145, D=134.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	PB08	GABLE	22	1	I28709832
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686

7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:54 2017 Page 1
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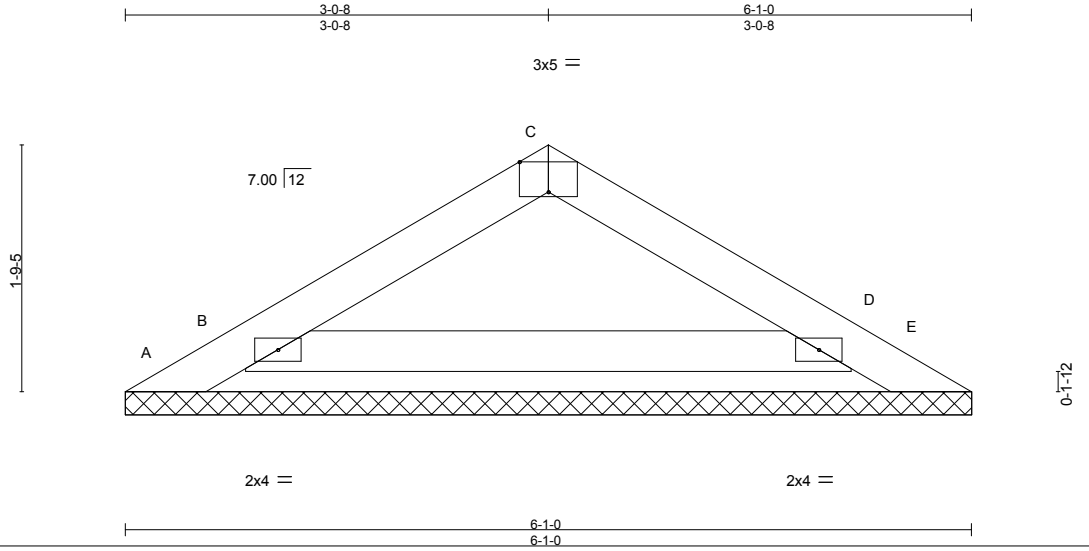

Plate Offsets (X,Y)-- [C:0-2-8,Edge]

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	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	E	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 17 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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 6-1-0.
(lb) - Max Horz A=-84(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) A, E except B=-150(LC 8), D=-131(LC 9)
Max Grav All reactions 250 lb or less at joint(s) A, E except B=252(LC 1), D=252(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, E except (jt=lb) B=150, D=131.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	V01	GABLE	1	1	I28709833
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:54 2017 Page 1
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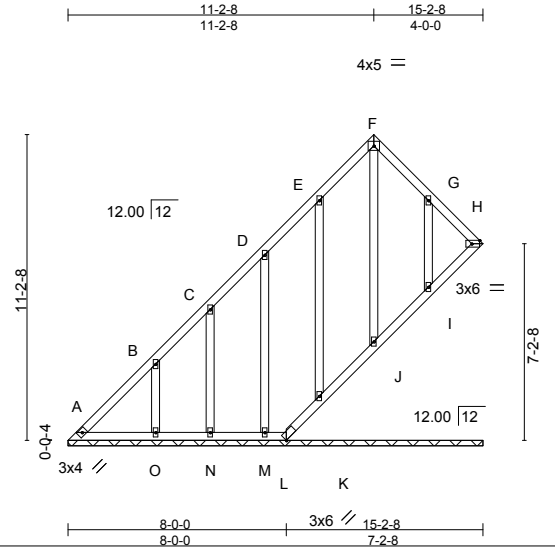

Plate Offsets (X,Y)-- [H:0-3-7,Edge]

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.01	H	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 106 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 15-2-8.
(lb) - Max Horz A=714(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except A=-107(LC 6), H=-230(LC 7), L=-148(LC 6), K=-305(LC 8), M=-318(LC 8), N=-251(LC 8), O=-441(LC 8), I=-321(LC 9)
Max Grav All reactions 250 lb or less at joint(s) H, L, K, M, N, O, I except A=508(LC 8), J=278(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-818/215, B-C=-477/179, C-D=-282/163, E-F=-71/301, F-G=-71/302
WEBS F-J=-272/0, E-K=-127/324, D-M=-122/336, C-N=-104/283, B-O=-169/448, G-I=-133/335

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 107 lb uplift at joint A, 230 lb uplift at joint H, 148 lb uplift at joint L, 305 lb uplift at joint K, 318 lb uplift at joint M, 251 lb uplift at joint N, 441 lb uplift at joint O and 321 lb uplift at joint I.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) H, J, K, I.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

January 9,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Wrightsville/
760483	V03	GABLE	1	1	I28709834
					Job Reference (optional)

Builders FirstSource, Piney Flats, TN 37686 — 7.640 s Sep 29 2015 MiTek Industries, Inc. Mon Jan 09 10:17:55 2017 Page 1
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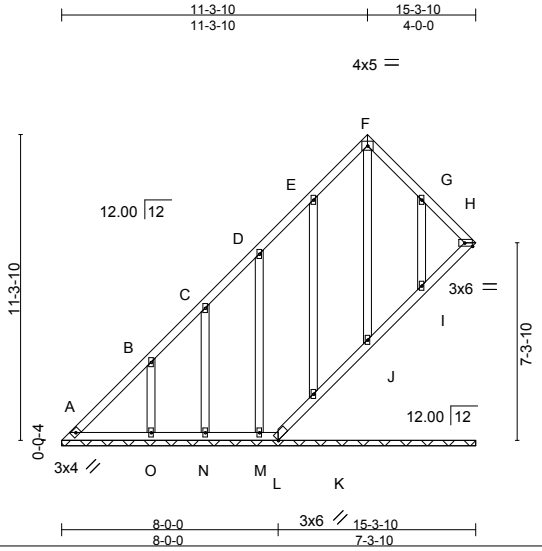


Plate Offsets (X,Y)-- [H:0-3-7,Edge]

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.01	H	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 107 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 15-3-10.
(lb) - Max Horz A=556(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) A except H=-184(LC 7), L=-119(LC 6), K=-199(LC 8), M=-208(LC 8), N=-159(LC 8), O=-294(LC 8), I=-209(LC 9)
Max Grav All reactions 250 lb or less at joint(s) H, L, J, K, M, N, O, I except A=370(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-736/145, B-C=-399/127, E-F=-71/303, F-G=-71/304
WEBS F-J=-275/0, E-K=-127/306, D-M=-123/324, C-N=-103/266, B-O=-174/441, G-I=-133/314

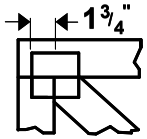
NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A except (jt=lb) H=184, L=119, K=199, M=208, N=159, O=294, I=209.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) H, J, K, I.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

January 9,2017

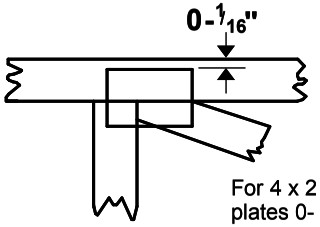
ENGINEERING BY TRENCO A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

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- 1/16" from outside edge of truss.

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

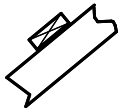
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

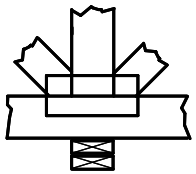
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

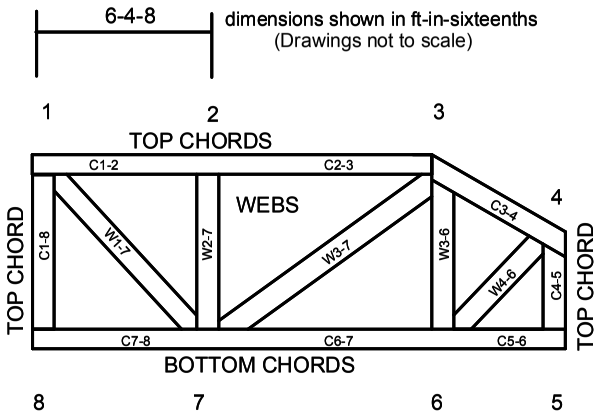


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

MiTek

ENGINEERING BY TRENCO
A MiTek Affiliate

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.