ENGINEERING BY TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

RE: 757421 - H&H-NC/Roosevelt/

Site Information:

Project Customer: H and H Project Name: 757421
Lot/Block: A Subdivision: All
Model:
Address:
City: 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: 100 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	I31523379	A01	11/1/17	35	I31523413	PB03	11/1/17
2	I31523380	A02	11/1/17	36	I31523414	V01	11/1/17
3	I31523381	A03	11/1/17	37	I31523415	V02	11/1/17
4	I31523382	A04	11/1/17				
5	I31523383	A05	11/1/17				
6	I31523384	A10	11/1/17				
7	I31523385	B01	11/1/17				
8	I31523386	B02	11/1/17				
9	I31523387	B03	11/1/17				
10	I31523388	B04	11/1/17				
11	I31523389	B05	11/1/17				
12	I31523390	C01	11/1/17				
13	I31523391	C02	11/1/17				
14	I31523392	C03	11/1/17				
15	I31523393	D01	11/1/17				
16	I31523394	D02	11/1/17				
17	I31523395	D03	11/1/17				
18	I31523396	D04	11/1/17				
19	I31523397	E01	11/1/17				
20	I31523398	E02	11/1/17				
21	I31523399	G01	11/1/17				
22	I31523400	G02	11/1/17				
23	I31523401	H01	11/1/17				
24	I31523402	H02	11/1/17				
25	I31523403	J03	11/1/17				
26	I31523404	J04	11/1/17				
27	I31523405	J05	11/1/17				
28	I31523406	J06	11/1/17				
29	I31523407	J07	11/1/17				
30	I31523408	J08	11/1/17				
31	I31523409	J09	11/1/17				
32	I31523410	J10	11/1/17				
33	I31523411	PB01	11/1/17				
34	I31523412	PB02	11/1/17				

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: Garcia, Juan
My license renewal date for the state of North Carolina is December 31, 2017

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.

November 1,2017

Garcia, Juan

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	A01	GABLE	3	1	I31523379
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:26 2017 Page 1
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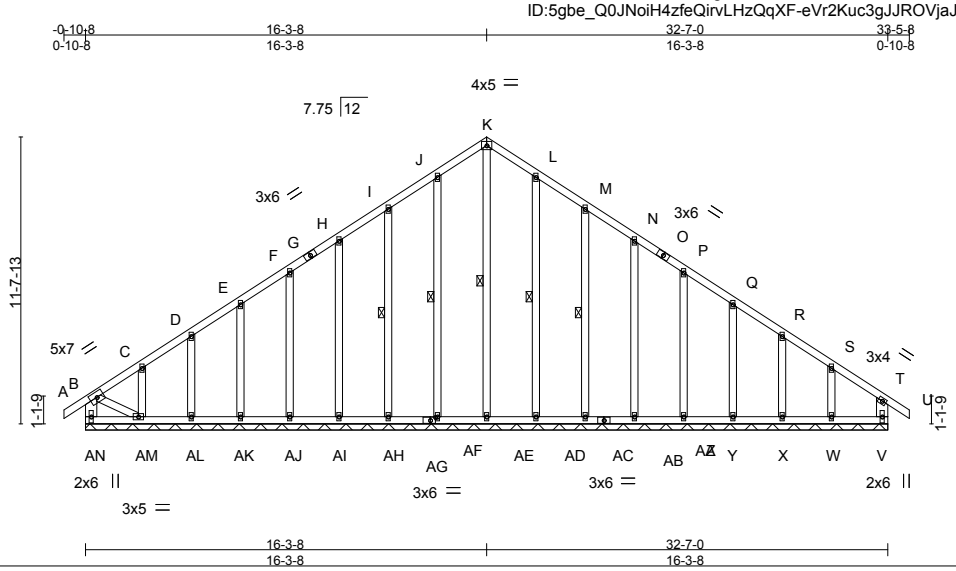

Plate Offsets (X,Y)-- [AG:0-2-8,0-1-8]

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	0.12	Vert(LL)	-0.00	U	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	-0.00	U	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(TL)	0.01	V	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 256 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.1
WEBS	2x6 SP No.2 *Except* B-AM: 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: AM-AN.
WEBS	1 Row at midpt K-AE, J-AF, I-AH, L-AD, M-AC

REACTIONS. All bearings 32-7-0.
(lb) - Max Horz AN=460(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) V, AF, AI, AJ, AK, AL, AD, AA, Z, X except AN=-302(LC 6), AH=-106(LC 8), AM=-233(LC 7), AC=-109(LC 9), Y=-105(LC 9), W=-216(LC 9)
Max Grav All reactions 250 lb or less at joint(s) V, AF, AH, AI, AJ, AK, AL, AM, AD, AC, AA, Z, Y, X, W except AN=366(LC 7), AE=413(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-402/342, C-D=-344/330, D-E=-293/325, E-F=-240/318, F-G=-187/299, G-H=-180/311, H-I=-134/345, I-J=-81/405, J-K=-43/447, K-L=-42/437, L-M=-39/373, M-N=-40/294, B-AN=-347/306
BOT CHORD AM-AN=-414/441
WEBS K-AE=-389/12, B-AM=-299/392

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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) V, AF, AI, AJ, AK, AL, AD, AA, Z, X except (jt=lb) AN=302, AH=106, AM=233, AC=109, Y=105, W=216.
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

November 1,2017

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	A02	Common	12	1	I31523380
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:27 2017 Page 1

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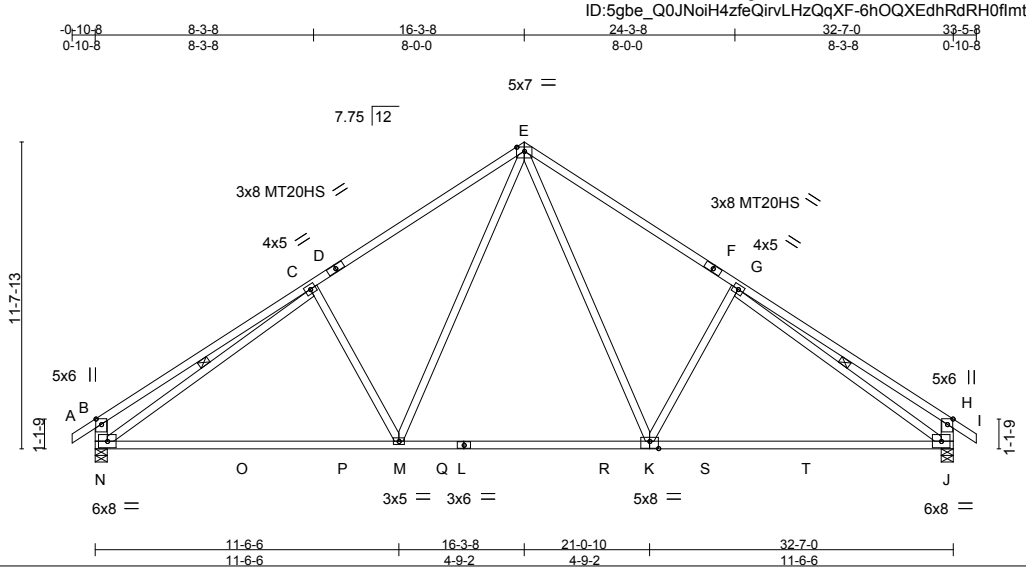

Plate Offsets (X,Y)-- [K:0-4-0,0-3-4]

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	0.62	Vert(LL)	-0.30	M-N	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(TL)	-0.77	M-N	>502	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(TL)	0.07	J	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.07	K-M	>999	240	Weight: 198 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
B-N,H-J: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt C-N, G-J

REACTIONS. (lb/size) N=1351/0-5-8, J=1351/0-5-8
Max Horz N=460(LC 7)
Max Uplift N=-413(LC 8), J=-413(LC 9)
Max Grav N=1389(LC 2), J=1389(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-729/390, C-D=-1601/624, D-E=-1487/671, E-F=-1487/671, F-G=-1601/624, G-H=-729/390, B-N=-615/411, H-J=-615/411
BOT CHORD N-O=-387/1374, O-P=-387/1374, M-P=-387/1374, M-Q=-72/992, L-Q=-72/992, L-R=-72/992, K-R=-72/992, K-S=-313/1374, S-T=-313/1374, J-T=-313/1374
WEBS E-K=-272/687, G-K=-368/431, E-M=-272/687, C-M=-368/431, C-N=-1073/238, G-J=-1073/238

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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 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) N=413, J=413.
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.

November 1,2017

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	A03	Common	21	1	I31523381
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:28 2017 Page 1
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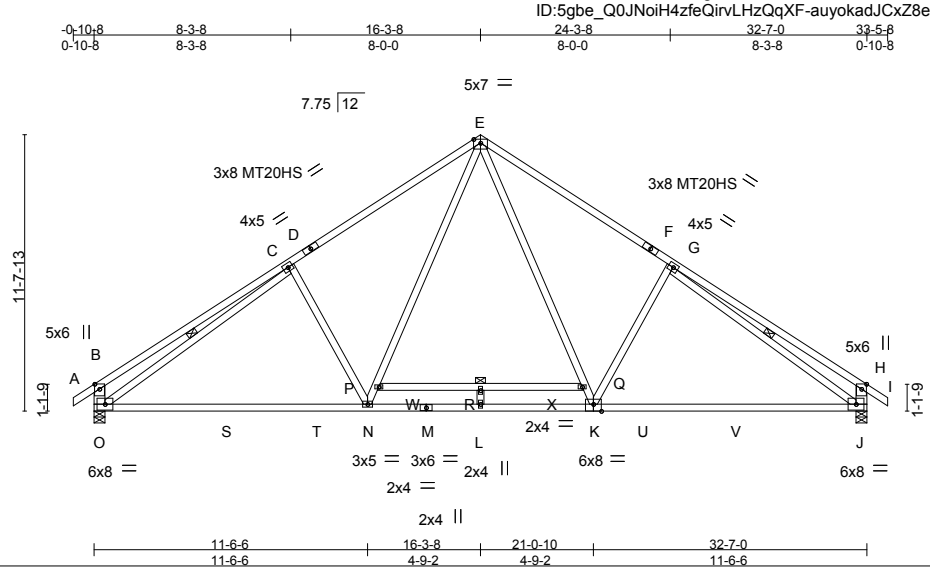

Plate Offsets (X,Y)-- [K:0-4-0,Edge]

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	0.66	Vert(LL)	-0.36	N-O	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.95	Vert(TL)	-0.83	N-O	>466	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.73	Horz(TL)	0.07	J	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.07	L	>999	240	Weight: 211 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
A-D,F-I: 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except*
K-M: 2x4 SP SS
WEBS 2x4 SP No.3 *Except*
B-O,H-J: 2x6 SP No.2, P-Q: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt C-O, G-J, P-Q

REACTIONS. (lb/size) O=1351/0-5-8, J=1351/0-5-8
Max Horz O=-460(LC 6)
Max Uplift O=-413(LC 8), J=-413(LC 9)
Max Grav O=1386(LC 2), J=1386(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-746/388, C-D=-1592/624, D-E=-1477/672, E-F=-1479/672, F-G=-1594/624, G-H=-742/389, B-O=-617/409, H-J=-616/409
BOT CHORD O-S=-388/1367, S-T=-388/1367, N-T=-388/1367, M-N=-82/1024, L-M=-82/1024, K-L=-82/1024, K-U=-314/1368, U-V=-314/1368, J-V=-314/1368
WEBS E-Q=-273/685, K-Q=-268/646, G-K=-369/433, N-P=-270/644, E-P=-274/682, C-N=-369/433, C-O=-1048/240, G-J=-1052/239

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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 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) O=413, J=413.
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.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-B=-60, B-E=-60, E-H=-60, H-I=-60, J-O=-20

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	A04	Roof Special	9	1	I31523382
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:29 2017 Page 1
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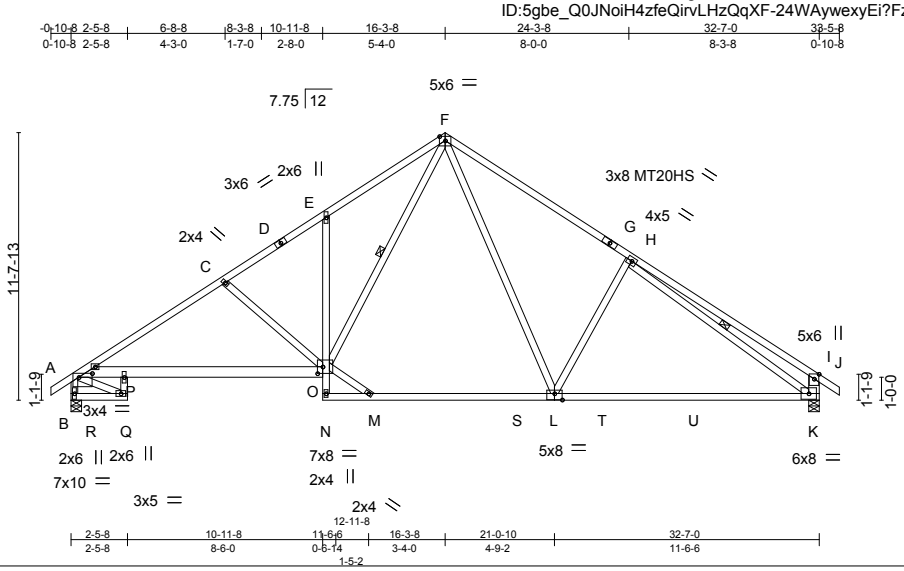

Plate Offsets (X,Y)-- [B:0-6-15,0-2-1], [L:0-4-0,0-3-4], [O:0-2-12,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.33	K-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.95	Vert(TL)	-0.91	K-L	>425	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(TL)	0.43	K	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.29	O-P	>999	240	Weight: 211 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B-O: 2x6 SP No.2, K-L: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
I-K: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt F-O, H-K

REACTIONS. (lb/size) R=1349/0-5-8, K=1355/0-5-8
Max Horz R=463(LC 7)
Max Uplift R=-423(LC 8), K=-414(LC 9)
Max Grav R=1349(LC 1), K=1366(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1950/670, C-D=-1705/599, D-E=-1597/625, E-F=-1646/783, F-G=-1435/674, G-H=-1554/627, H-I=-755/386, B-R=-1374/501, I-K=-629/406
BOT CHORD Q-R=-437/477, B-P=-496/1593, O-P=-495/1591, E-O=-244/267, M-N=-125/367, M-S=-72/967, L-S=-72/967, L-T=-315/1338, T-U=-315/1338, K-U=-315/1338
WEBS F-L=-281/650, C-O=-336/298, M-O=0/878, F-O=-422/835, H-L=-372/435, H-K=-999/241, P-Q=-249/298, B-Q=-554/507

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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 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) R=423, K=414.
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/Roosevelt/
757421	A05	GABLE	3	1	I31523383
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:30 2017 Page 1

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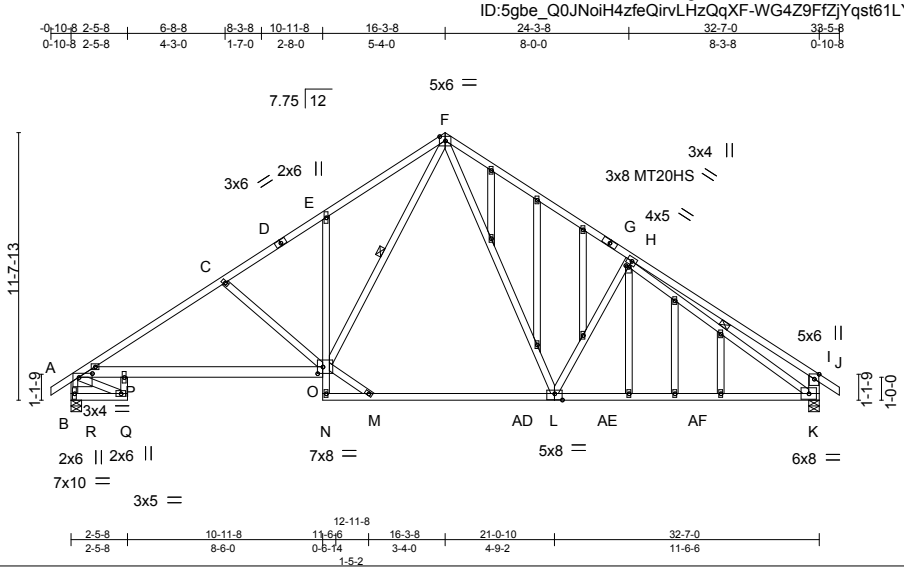

Plate Offsets (X,Y)-- [B:0-6-15,0-2-1], [H:0-0-14,0-1-8], [L:0-4-0,0-3-4], [O:0-2-12,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.33	K-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.95	Vert(TL)	-0.91	K-L	>425	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(TL)	0.43	K	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.29	O-P	>999	240	Weight: 251 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B-O: 2x6 SP No.2, K-L: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
I-K: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt F-O, H-K

REACTIONS. (lb/size) R=1349/0-5-8, K=1355/0-5-8
Max Horz R=463(LC 7)
Max Uplift R=-423(LC 8), K=-414(LC 9)
Max Grav R=1349(LC 1), K=1366(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1950/670, C-D=-1705/599, D-E=-1597/625, E-F=-1646/783, F-G=-1435/674, G-H=-1554/627, H-I=-755/386, B-R=-1374/501, I-K=-629/406
BOT CHORD Q-R=-437/477, B-P=-496/1593, O-P=-495/1591, E-O=-244/267, M-N=-125/367, M-AD=-72/967, L-AD=-72/967, L-AE=-315/1338, AE-AF=-315/1338, K-AF=-315/1338
WEBS F-L=-281/650, C-O=-336/298, M-O=0/878, F-O=-422/835, H-L=-372/435, H-K=-999/241, P-Q=-249/298, B-Q=-554/507

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) R=423 , K=414.
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.

November 1,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	A10	Roof Special	6	1	I31523384
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:31 2017 Page 1
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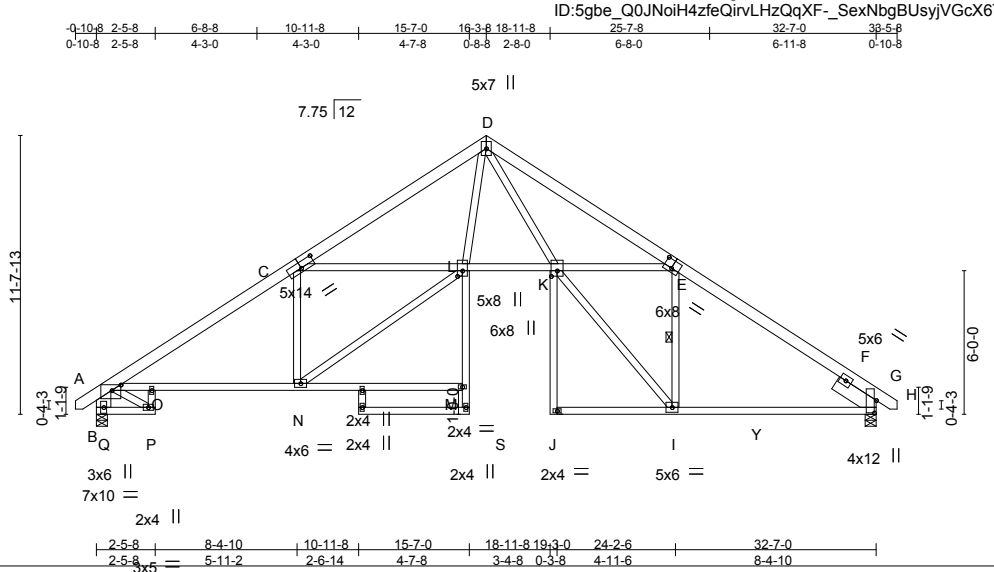

Plate Offsets (X,Y)-- [B:0-4-8,0-2-13], [C:0-7-0,0-3-0], [E:0-4-0,0-4-0], [G:0-6-4,0-0-15], [K:0-2-12,0-3-0], [L:0-2-12,0-2-8]

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	0.42	Vert(LL)	-0.19	K-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(TL)	-0.47	K-L	>816	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.51	G	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.19	N-O	>999	240	Weight: 257 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
B-Q: 2x8 SP DSS
SLIDER Right 2x8 SP DSS 1-11-12

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
10-0-0 oc bracing: M-N
WEBS 1 Row at midpt E-I

REACTIONS. (lb/size) Q=1353/0-5-8, G=1334/0-5-8
Max Horz Q=441(LC 7)
Max Uplift Q=-419(LC 8), G=-394(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1995/632, C-D=-2782/671, D-E=-3562/832, E-F=-1728/578, F-G=-433/47, B-Q=-1336/504
BOT CHORD P-Q=-284/186, B-O=-483/1622, N-O=-481/1619, C-L=0/591, K-L=-209/2018, E-K=-90/1538, I-Y=-308/1337, G-Y=-308/1337
WEBS E-I=-1456/446, B-P=-215/329, D-L=-292/1249, D-K=-359/1833, C-N=-964/412, L-N=-602/1982, I-K=-480/2068

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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) 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) Q=419, G=394.
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.

November 1,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	B01	ROOF SPECIAL	6	1	I31523385
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:32 2017 Page 1
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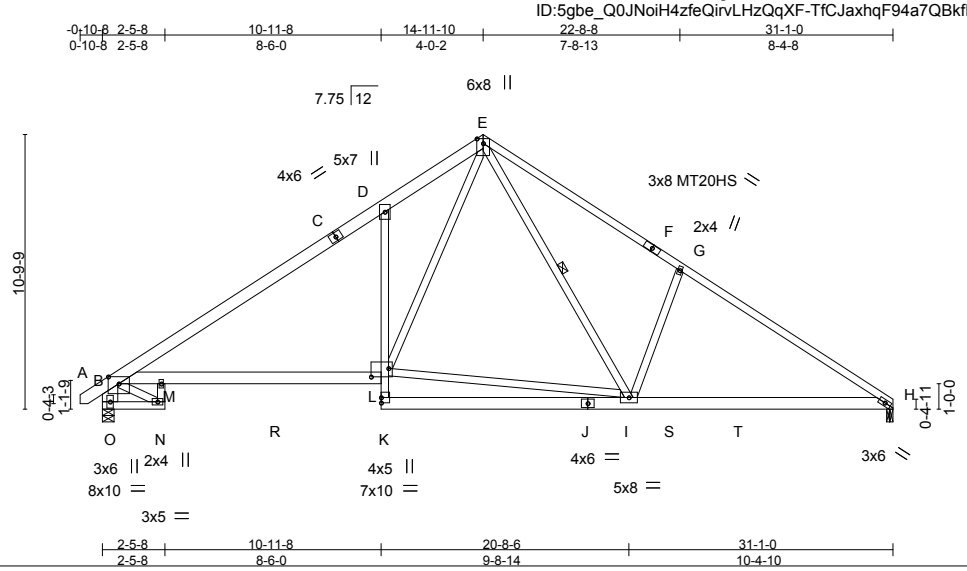

Plate Offsets (X,Y)-- [B:0-5-0,0-3-5], [L:0-8-4,0-4-0]

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	0.64	Vert(LL)	-0.16	L-M	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(TL)	-0.43	L-M	>855	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(TL)	0.19	H	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.22	L-M	>999	240	Weight: 218 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
E-F,F-H: 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
N-O,D-K: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
B-O: 2x8 SP DSS

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt E-I

REACTIONS. (lb/size) O=1294/0-5-8, H=1230/0-3-0
Max Horz O=424(LC 7)
Max Uplift O=-402(LC 8), H=-340(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1813/547, C-D=-1541/581, D-E=-1761/838, E-F=-1553/746, F-G=-1693/700, G-H=-1845/605, B-O=-1331/537
BOT CHORD N-O=-509/392, B-M=-335/1425, M-R=-340/1427, L-R=-337/1432, D-L=-565/519, I-S=-356/1461, S-T=-356/1461, H-T=-356/1461
WEBS I-L=-149/1037, E-L=-529/1035, E-I=-376/685, G-I=-453/446, M-N=-304/259, B-N=-459/595

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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 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) O=402, H=340.
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.

November 1,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	B02	Common	3	1	I31523386
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:33 2017 Page 1
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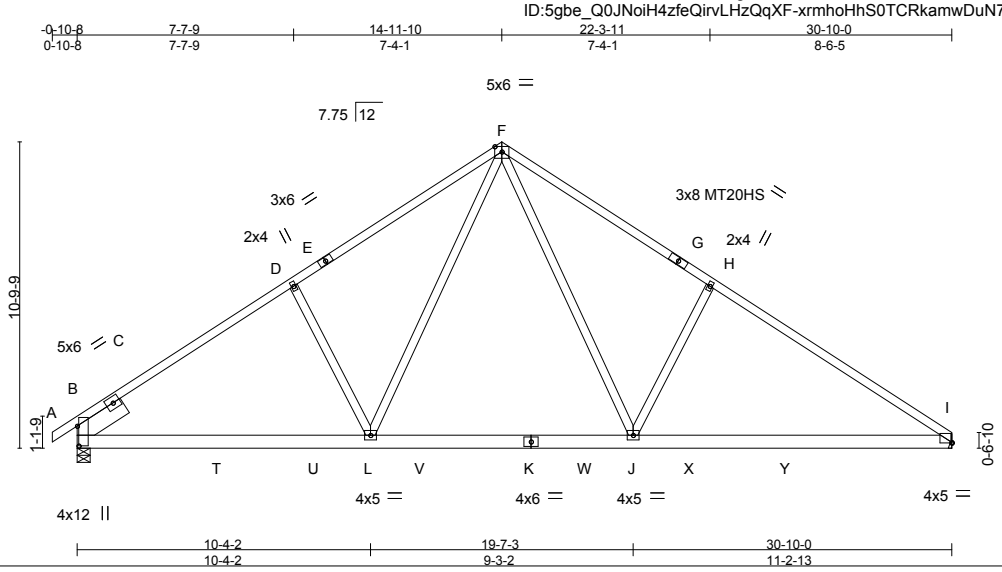

Plate Offsets (X,Y)-- [B:0-8-6,0-0-11], [I:0-0-0,0-0-4]

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	0.64	Vert(LL)	-0.12	J-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(TL)	-0.33	J-S	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(TL)	0.04	I	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.13	J-S	>999	240	Weight: 185 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x8 SP DSS 1-11-12

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

REACTIONS. (lb/size) B=1286/0-5-8, I=1233/Mechanical
Max Horz B=391(LC 7)
Max Uplift B=-385(LC 8), I=-339(LC 9)
Max Grav B=1317(LC 2), I=1263(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-591/0, C-D=-1697/567, D-E=-1559/613, E-F=-1459/656, F-G=-1561/688, G-H=-1670/644, H-I=-1848/595
BOT CHORD B-T=-383/1351, T-U=-383/1351, L-U=-383/1351, L-V=-101/982, K-V=-101/982, K-W=-101/982, J-W=-101/982, J-X=-343/1469, X-Y=-343/1469, I-Y=-343/1469
WEBS D-L=-370/392, F-L=-267/630, F-J=-317/818, H-J=-439/430

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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 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) 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=385, I=339.
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.

November 1,2017

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	B03	Common	12	1	I31523387
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153

7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:33 2017 Page 1
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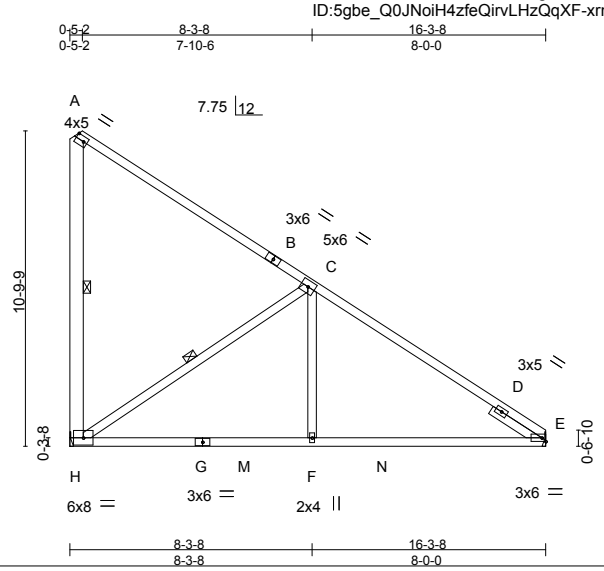

Plate Offsets (X,Y)-- [A:Edge,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.09	F-H	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(TL)	-0.21	F-H	>930	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(TL)	0.02	E	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.13	F-K	>999	240	Weight: 101 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
A-H: 2x6 SP No.2
SLIDER Right 2x4 SP No.3 1-11-12

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt A-H, C-H

REACTIONS. (lb/size) H=640/Mechanical, E=640/Mechanical
Max Horz H=-531(LC 9)
Max Uplift H=-400(LC 9), E=-39(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD C-D=-618/0, D-E=-553/0
BOT CHORD G-H=0/602, G-M=0/602, F-M=0/602, F-N=0/602, E-N=0/602
WEBS C-F=0/357, C-H=-701/435

NOTES-
1) Wind: ASCE 7-05; 100mph; 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;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, with BCDL = 10.0psf.
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) E except (jt=lb) H=400.
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.

November 1,2017

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	B04	Common	9	1	I31523388
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153

7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:34 2017 Page 1
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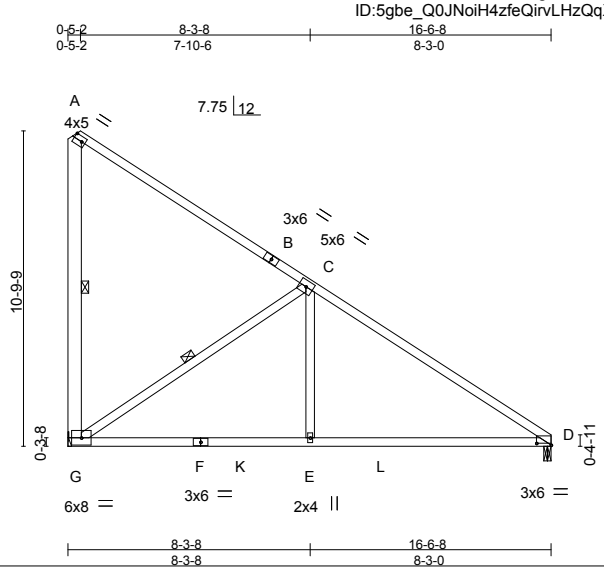

Plate Offsets (X,Y)-- [A:Edge,0-2-0], [D:0-6-0,0-0-12]

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	0.63	Vert(LL)	-0.09	E-G	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(TL)	-0.22	E-G	>904	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(TL)	0.01	D	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.06	E-J	>999	240	Weight: 99 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt A-G, C-G

REACTIONS. (lb/size) G=635/Mechanical, D=670/0-3-0
Max Horz G=-542(LC 9)
Max Uplift G=-389(LC 9), D=-58(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD C-D=-801/0
BOT CHORD F-G=0/593, F-K=0/593, E-K=0/593, E-L=0/593, D-L=0/593
WEBS C-E=0/354, C-G=-689/404

NOTES-
1) Wind: ASCE 7-05; 100mph; 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;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, with BCDL = 10.0psf.
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) D except (jt=lb) G=389.
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.

November 1,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	B05	GABLE	3	1	I31523389
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153

7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:34 2017 Page 1
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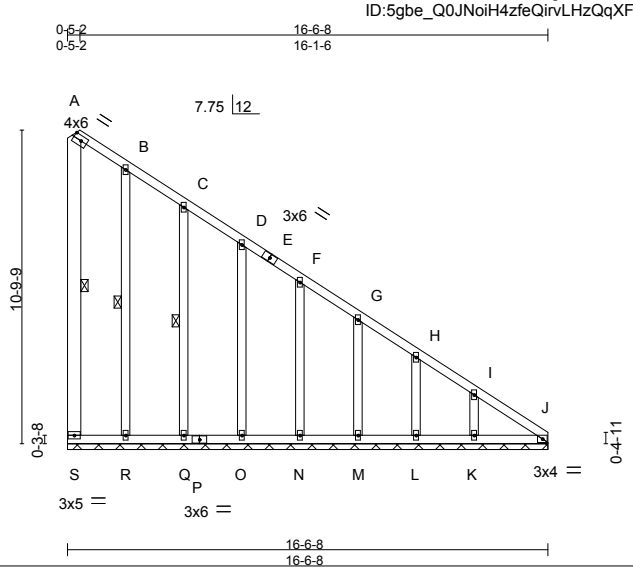

Plate Offsets (X,Y)-- [A:Edge,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.36	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.01	J	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 134 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x6 SP No.2
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.
WEBS 1 Row at midpt A-S, B-R, C-Q

REACTIONS. All bearings 16-6-8.
(lb) - Max Horz S=-532(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) S, Q, N, L except J=-113(LC 7), R=-106(LC 9), O=-101(LC 9), M=-101(LC 9), K=-143(LC 9)
Max Grav All reactions 250 lb or less at joint(s) S, R, Q, O, N, M, L, K except J=263(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-281/222, C-D=-350/221, D-E=-419/228, E-F=-426/222, F-G=-501/235, G-H=-577/242, H-I=-647/247, I-J=-755/263
BOT CHORD R-S=-213/657, Q-R=-213/657, P-Q=-213/657, O-P=-213/657, N-O=-213/657, M-N=-213/657, L-M=-213/657, K-L=-213/657, J-K=-213/657

NOTES-
1) Wind: ASCE 7-05; 100mph; 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) 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) All plates are 2x4 MT20 unless otherwise indicated.
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) S, Q, N, L except (jt=lb) J=113, R=106, O=101, M=101, K=143.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	C01	ATTIC	9	1	I31523390
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153

7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:35 2017 Page 1
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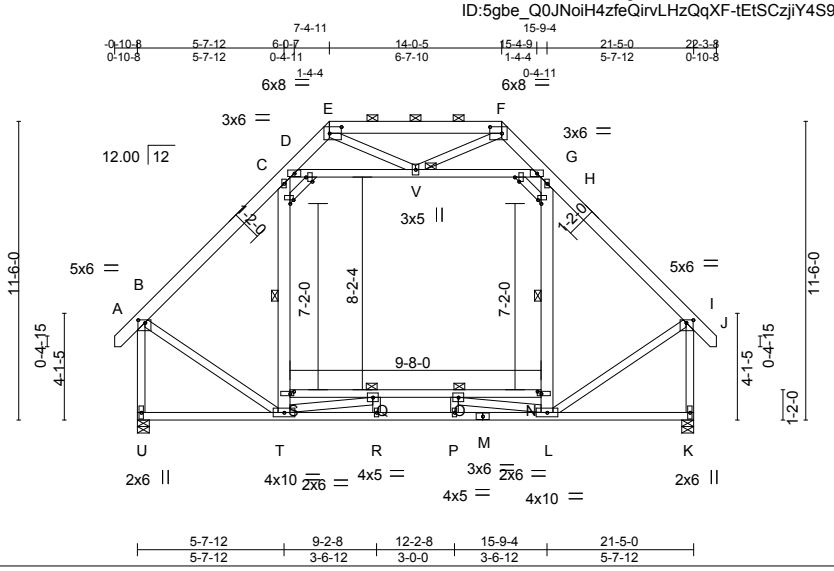


Plate Offsets (X,Y)-- [B:0-3-4,0-1-4], [E:0-5-8,0-3-0], [F:0-5-8,0-3-0], [I:0-3-4,0-1-4], [N:0-1-12,0-1-0], [S:0-1-12,0-1-0], [W:0-1-8,0-1-12], [X:0-2-0,Edge], [Y:0-2-0,Edge], [Z:0-1-8,0-1-12]

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	0.29	Vert(LL)	-0.11	Q-S	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.88	Vert(TL)	-0.24	P-R	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.04	K	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-M)		Wind(LL)	0.22	R-T	>999	240	Weight: 229 lb	FT = 20%

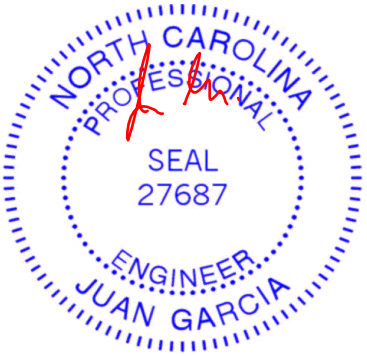
LUMBER-
TOP CHORD 2x6 SP No.2 *Except* W-X,Y-Z: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* C-T,H-L: 2x6 SP No.2, D-G,B-U,I-K: 2x4 SP No.2

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.): E-F.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-2-5 oc bracing: T-U. 4-7-0 oc bracing: N-S
WEBS 1 Row at midpt C-S, H-N
JOINTS 1 Brace at Jt(s): V

REACTIONS. (lb/size) U=1188/0-5-8, K=1188/0-5-8
Max Horz U=-505(LC 6)
Max Uplift U=-22(LC 8), K=-22(LC 9)
Max Grav U=1377(LC 2), K=1377(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1065/161, C-D=-710/287, D-E=-426/279, E-F=-321/146, F-G=-426/278, G-H=-710/288, H-I=-1065/161, B-U=-1339/167, I-K=-1339/168
BOT CHORD T-U=-471/485, R-T=0/2115, P-R=0/2115, M-P=0/2115, L-M=0/2115, Q-S=-419/509, O-Q=-1498/0, N-O=-446/537
WEBS C-S=-62/391, H-N=-62/391, D-V=-517/266, G-V=-517/267, B-T=-80/822, I-L=-82/822, L-O=-1724/101, Q-T=-1724/127

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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 2x4 MT20 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). C-D, G-H, D-V, G-V; Wall dead load (5.0psf) on member(s).C-S, H-N
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. Q-S, O-Q, N-O
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) U, K.
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) 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/Roosevelt/
757421	C02	ATTIC	12	1	I31523391
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153

7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:36 2017 Page 1
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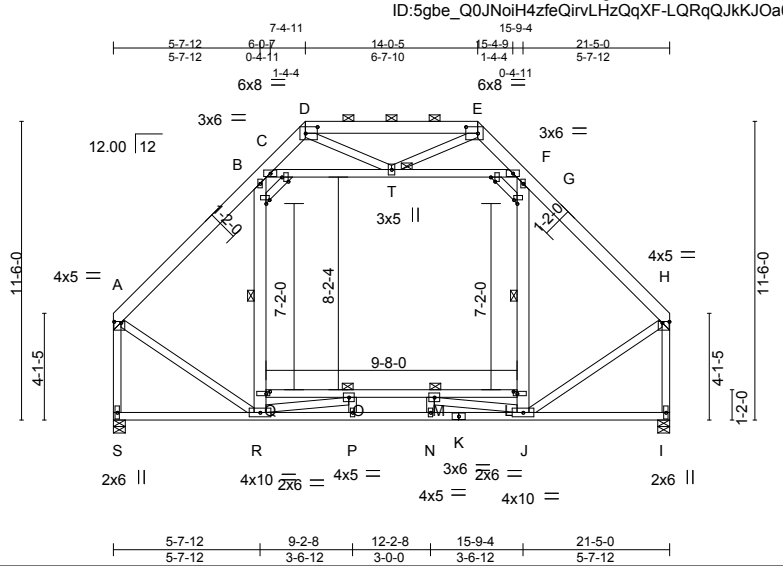

Plate Offsets (X,Y)-- [A:0-3-4,0-0-8], [D:0-5-8,0-3-0], [E:0-5-8,0-3-0], [H:0-3-4,0-0-8], [L:0-1-12,0-1-0], [Q:0-1-12,0-1-0], [U:0-1-8,0-1-12], [V:0-2-0,Edge], [W:0-2-0,Edge], [X:0-1-8,0-1-12]

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	0.29	Vert(LL)	-0.11	O-Q	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.88	Vert(TL)	-0.24	N-P	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.04	I	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-M)		Wind(LL)	0.22	P-R	>999	240	Weight: 224 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* U-V,W-X: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* B-R,G-J: 2x6 SP No.2, C-F,A-S,H-I: 2x4 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.): D-E.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-3-4 oc bracing: R-S. 4-7-0 oc bracing: L-Q
WEBS 1 Row at midpt B-Q, G-L
JOINTS 1 Brace at Jt(s): T

REACTIONS. (lb/size) S=1134/0-5-8, I=1134/0-5-8
Max Horz S=-500(LC 6)
Max Grav S=1332(LC 2), I=1332(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-1066/136, B-C=-713/278, C-D=-424/276, D-E=-318/144, E-F=-424/276, F-G=-713/279, G-H=-1066/135, A-S=-1294/116, H-I=-1294/117
BOT CHORD R-S=-462/475, P-R=0/2116, N-P=0/2116, K-N=0/2116, J-K=0/2116, O-Q=-420/512, M-O=-1498/0, L-M=-447/539
WEBS B-Q=-66/389, G-L=-66/389, C-T=-520/254, F-T=-520/255, A-R=-88/827, H-J=-90/827, J-M=-1724/102, O-R=-1724/128

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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 2x4 MT20 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). B-C, F-G, C-T, F-T; Wall dead load (5.0psf) on member(s).B-Q, G-L
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. O-Q, M-O, L-M
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) 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/Roosevelt/
757421	C03	Attic Girder	1	2	I31523392
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153

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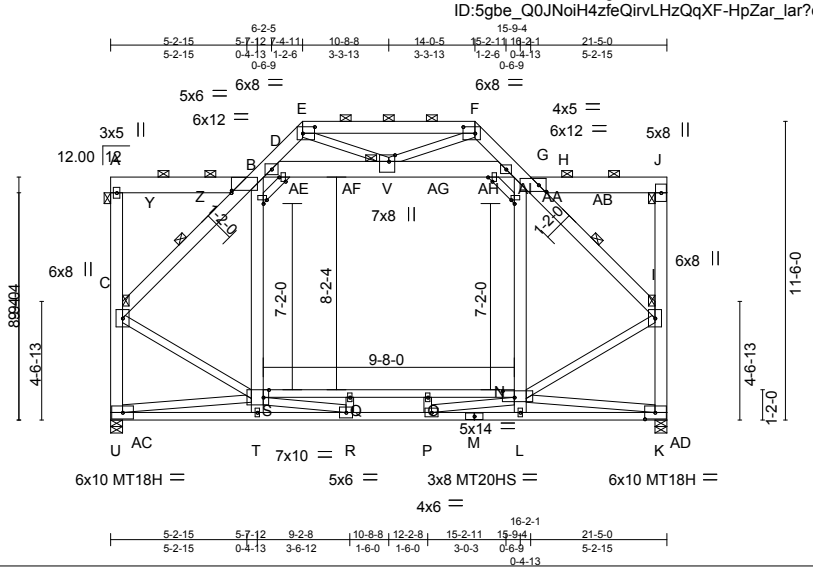

Plate Offsets (X,Y)-- [B:0-0-2,0-1-2], [D:0-2-0,Edge], [E:0-5-8,0-3-0], [F:0-5-8,0-3-0], [G:0-2-0,Edge], [H:0-3-8,0-3-0], [K:0-4-12,0-3-0], [N:0-5-8,0-3-0], [S:0-2-8,Edge], [V:0-3-0,0-2-12], [W:0-1-8,0-1-12], [X:0-1-8,0-1-12]

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	0.82	Vert(LL)	-0.27	N-O	>940	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.91	Vert(TL)	-0.37	N-O	>684	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.87	Horz(TL)	0.02	K	n/a	n/a	MT18H	244/190
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-M)		Wind(LL)	0.25	L-P	>999	240	Weight: 623 lb	FT = 20%

LUMBER-

TOP CHORD 2x8 SP DSS *Except*
C-E,F-I: 2x6 SP No.1, E-F: 2x6 SP No.2, D-W,G-X: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
M-U: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
A-U,J-K,B-T,H-L: 2x6 SP No.2, D-G: 2x8 SP DSS
C-S,I-N,R-S,N-P: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): A-B, B-C, E-F, H-I, H-J.
Except:
1 Row at midpt B-C, H-I
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: P-R.
WEBS 1 Row at midpt A-U, J-K
JOINTS 1 Brace at Jt(s): A, J, V

REACTIONS. (lb/size) U=5158/0-5-8, K=5800/0-5-8 (req. 0-5-15)
Max Horz U=-897(LC 13)
Max Uplift U=-1754(LC 13), K=-1900(LC 16)
Max Grav U=9005(LC 12), K=10048(LC 11)

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

TOP CHORD C-U=-9114/2049, A-C=-1366/374, A-Y=-282/253, Y-Z=-392/445, B-Z=-608/635, B-C=-7372/1825, B-D=-5820/1264, D-E=-2204/578, E-F=-4732/940, F-G=-2460/614, G-H=-6507/1378, H-I=-7526/1880, H-AA=-613/588, AA-AB=-501/561, J-AB=-447/378, I-K=-9671/2166, I-J=-1705/421

BOT CHORD U-AC=-3181/3140, T-AC=-3181/3140, R-T=-3505/3374, P-R=0/3490, M-P=-3375/4604, L-M=-3375/4604, L-AD=-2991/4289, K-AD=-2991/4106, Q-S=-709/1298, O-Q=-709/1298, N-O=-709/1298

WEBS S-T=0/418, B-S=-958/751, L-N=0/408, H-N=-2130/912, D-AE=-4191/941, AE-AF=-4191/941, V-AF=-4191/941, V-AG=-3492/868, AG-AH=-3492/868, AH-AI=-3492/868, G-AI=-3492/868, E-V=-1482/4629, F-V=-1372/3846, S-U=-1427/1827, C-S=-1659/6000, I-N=-1694/6043, K-N=-3634/2208, Q-R=-979/332, O-P=-551/310, R-S=-2806/6580, N-P=-2583/4172

NOTES- (20)

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x8 - 2 rows staggered at 0-2-0 oc, 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; 100mph; 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) All plates are 2x4 MT20 unless otherwise indicated.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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NOTES- (20)

11) Ceiling dead load (5.0 psf) on member(s). B-D, G-H, D-V, G-V; Wall dead load (5.0psf) on member(s).B-S, H-N
12) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. Q-S, O-Q, N-O
13) WARNING: Required bearing size at joint(s) K greater than input bearing size.
14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) U=1754, K=1900.
15) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-0-0, 20-5-0 to 21-5-0 for 1071.0 plf.
16) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
17) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
18) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
19) Attic room checked for L/360 deflection.
20) 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-B=-60, B-D=-70, D-E=-60, E-F=-60, F-G=-60, G-H=-70, H-J=-60, K-U=-35(F=-15), N-S=-45(F=-15), D-G=-10
   Drag: B-S=-10, H-N=-10
   Concentrated Loads (lb)
   Vert: B=-670 Y=-670 Z=-670 AA=-1230 AB=-1230 AE=-640(B) AF=-640(B) AG=-640(B) AH=-640(B) AI=-1233(B)

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	D01	SCISSORS	3	1	I31523393
					Job Reference (optional)

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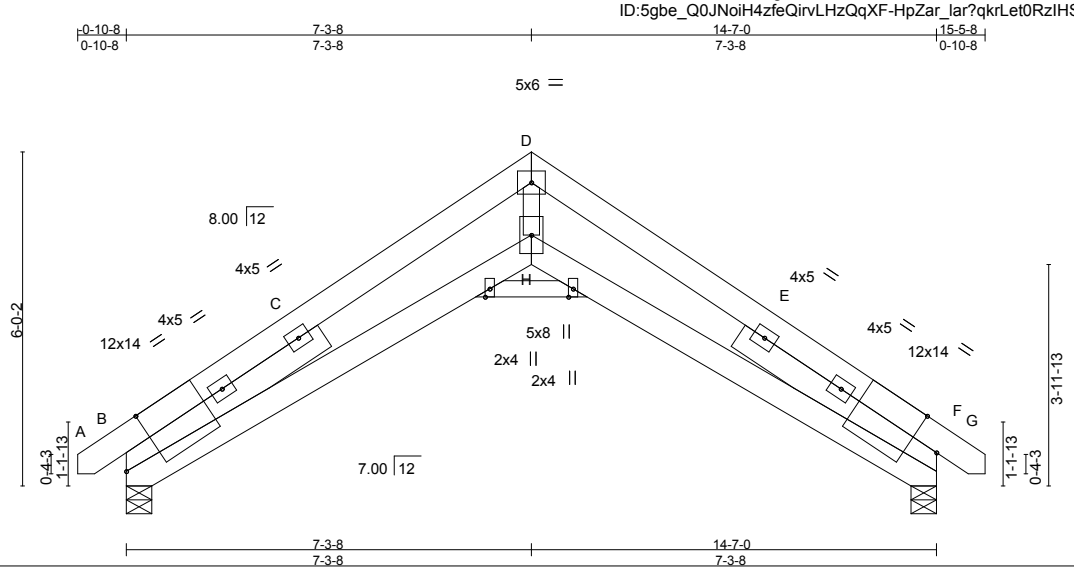

Plate Offsets (X,Y)-- [B:0-8-5,Edge], [F:0-6-1,Edge]

LOADING (psf)		**SPACING-** 1-11-4		**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	-0.07	H	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(TL)	-0.18	H	>975	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(TL)	0.22	F	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.06	H-M	>999	240	Weight: 111 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
I-J: 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 4-3-14, Right 2x6 SP No.2 4-3-14

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

REACTIONS. (lb/size) B=607/0-5-8, F=607/0-5-8
Max Horz B=-185(LC 6)
Max Uplift B=-191(LC 8), F=-191(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-722/354, C-D=-1548/364, D-E=-1548/392, E-F=-722/315
BOT CHORD B-H=-256/1493, F-H=-245/1493
WEBS D-H=-221/1528

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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) 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) B, 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) B=191, F=191.
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.

November 1,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	D02	SCISSORS	6	1	I31523394
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:39 2017 Page 1
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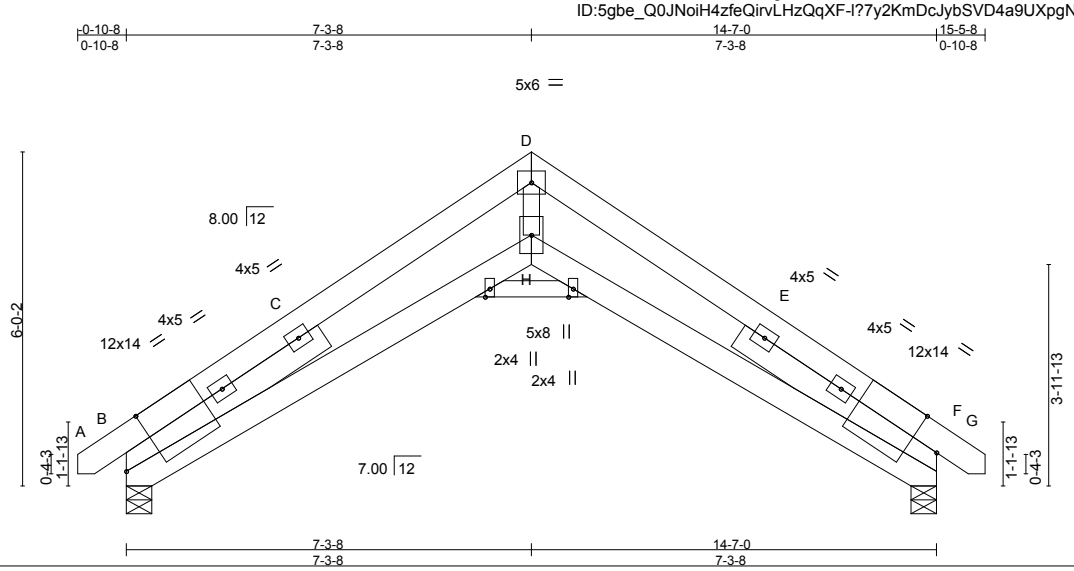


Plate Offsets (X,Y)-- [B:0-8-5,Edge], [F:0-6-1,Edge]

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	0.16	Vert(LL)	-0.07	H	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(TL)	-0.19	H	>945	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(TL)	0.23	F	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.07	H-M	>999	240	Weight: 111 lb	FT = 20%

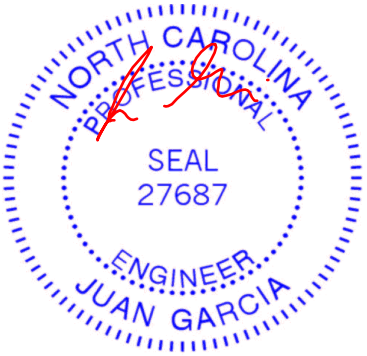
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
I-J: 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 4-3-14, Right 2x6 SP No.2 4-3-14

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

REACTIONS. (lb/size) B=627/0-5-8, F=627/0-5-8
Max Horz B=-191(LC 6)
Max Uplift B=-197(LC 8), F=-197(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-745/365, C-D=-1598/376, D-E=-1598/405, E-F=-745/325
BOT CHORD B-H=-264/1541, F-H=-253/1541
WEBS D-H=-228/1577

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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) 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) B, 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) B=197, F=197.
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.



November 1,2017

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	D03	SCISSORS	21	1	I31523395
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153

7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:40 2017 Page 1
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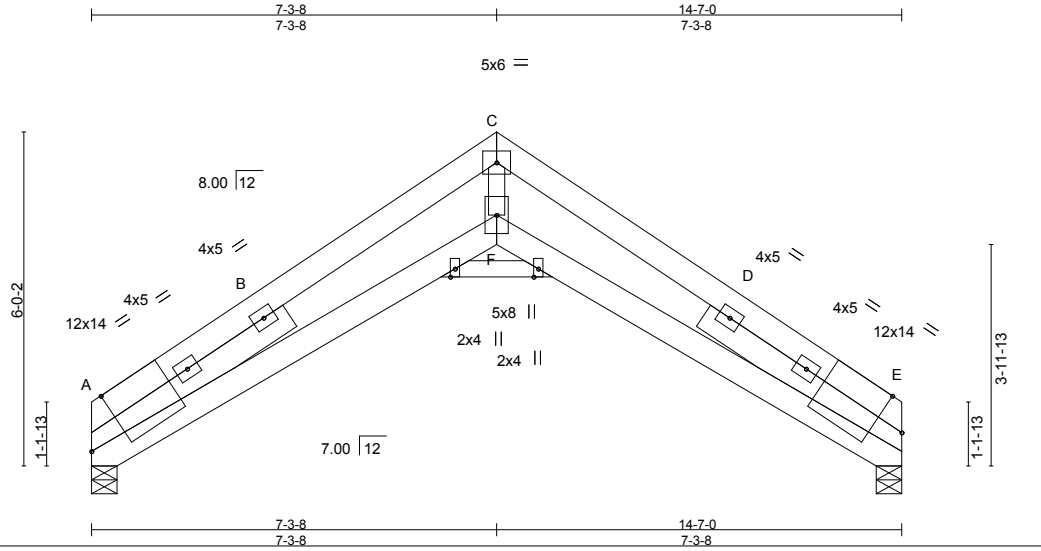

Plate Offsets (X,Y)-- [A:0-8-5,Edge], [E:0-6-1,Edge]

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	0.16	Vert(LL)	-0.07	F	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(TL)	-0.19	F	>929	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(TL)	0.23	E	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.07	F-K	>999	240	Weight: 107 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
G-H: 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 4-3-14, Right 2x6 SP No.2 4-3-14

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

REACTIONS. (lb/size) A=583/0-5-8, E=583/0-5-8
Max Horz A=-188(LC 6)
Max Uplift A=-154(LC 8), E=-154(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-813/393, B-C=-1613/427, C-D=-1613/438, D-E=-813/356
BOT CHORD A-F=-309/1556, E-F=-298/1556
WEBS C-F=-270/1596

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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) 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) A, 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) A=154, E=154.
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.

November 1,2017

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	D04	Common Girder	3	2	I31523396
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153

7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:40 2017 Page 1
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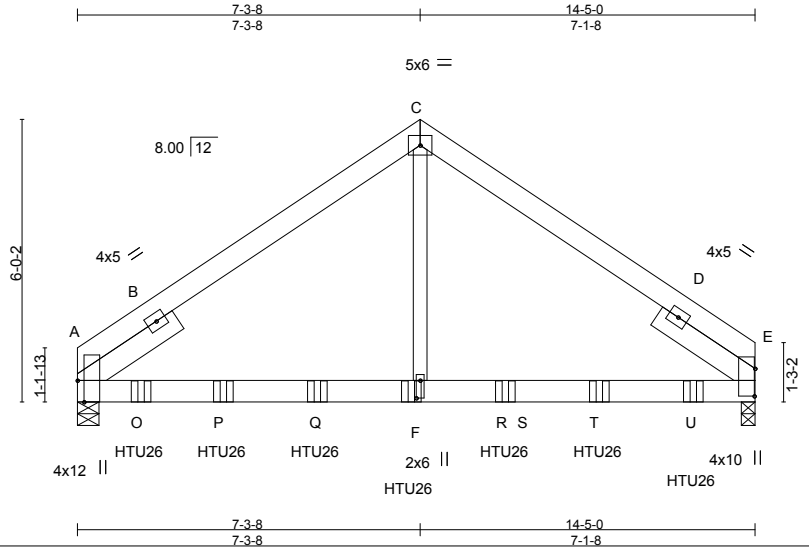

Plate Offsets (X,Y)-- [A:0-5-8,Edge], [E:0-7-1,0-0-3], [F:0-4-8,0-1-0]

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	0.24	Vert(LL)	-0.06	F-I	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.92	Vert(TL)	-0.14	F-I	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.30	Horz(TL)	0.02	A	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-M)		Wind(LL)	0.11	F-I	>999	240	Weight: 189 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2
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 or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=2747/0-5-8, E=2731/0-3-8
Max Horz A=188(LC 5)
Max Uplift A=-1580(LC 6), E=-1580(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2240/1292, B-C=-2593/1573, C-D=-2593/1585, D-E=-1884/1118
BOT CHORD A-O=-1213/2157, O-P=-1213/2157, P-Q=-1213/2157, F-Q=-1213/2157, F-R=-1213/2157, R-S=-1213/2157, S-T=-1213/2157, T-U=-1213/2157, E-U=-1213/2157
WEBS C-F=-1471/2470

NOTES- (12)
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 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; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; 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, 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) A=1580, E=1580.
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 HTU26 (20-10d Girder, 14-10dx1 1/2 Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 1-4-4 from the left end to 13-1-4 to connect truss(es) to front face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.
12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-C=-60, C-E=-60, G-K=-20

November 1,2017

Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: F=-620(F) O=-615(F) P=-615(F) Q=-615(F) R=-620(F) T=-620(F) U=-620(F)

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	E01	Common Supported Gable	1	1	I31523397
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:41 2017 Page 1
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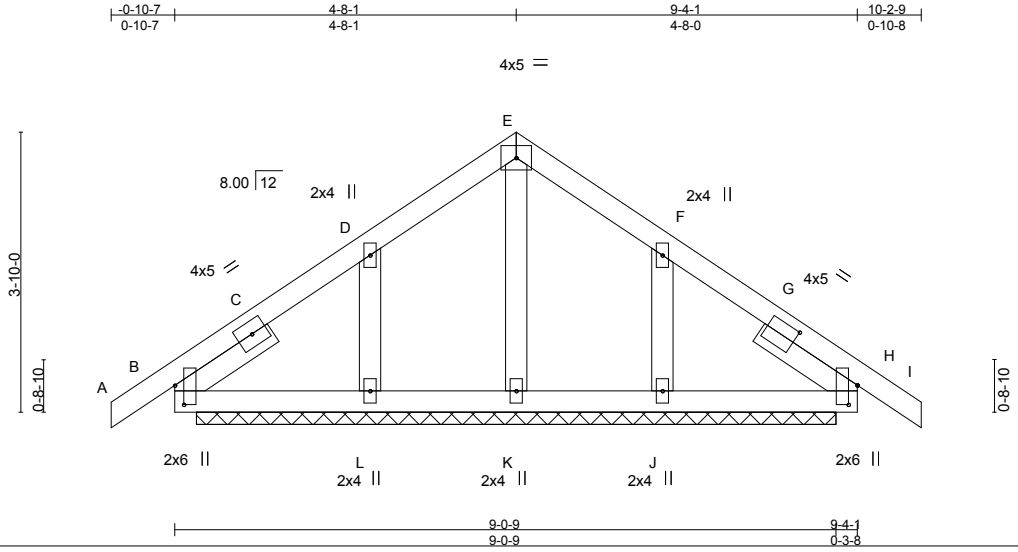


Plate Offsets (X,Y)-- [B:0-3-2,0-1-8], [H:0-3-3,0-1-7], [H:1-0-11,0-1-15]

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	0.07	Vert(LL)	0.00	H	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	0.00	H	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	H	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 49 lb	FT = 20%

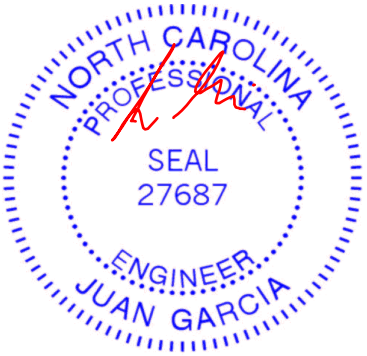
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.2 1-6-12, Right 2x4 SP No.2 1-6-12

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 8-9-0.
(lb) - Max Horz B=137(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) B, H except L=-138(LC 8), J=-134(LC 9)
Max Grav All reactions 250 lb or less at joint(s) B, H, K, L, J

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

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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 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) B, H except (jt=lb) L=138, J=134.
9) Non Standard bearing condition. Review required.
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.



November 1,2017

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	E02	Common Girder	1	1	I31523398
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153

7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:42 2017 Page 1
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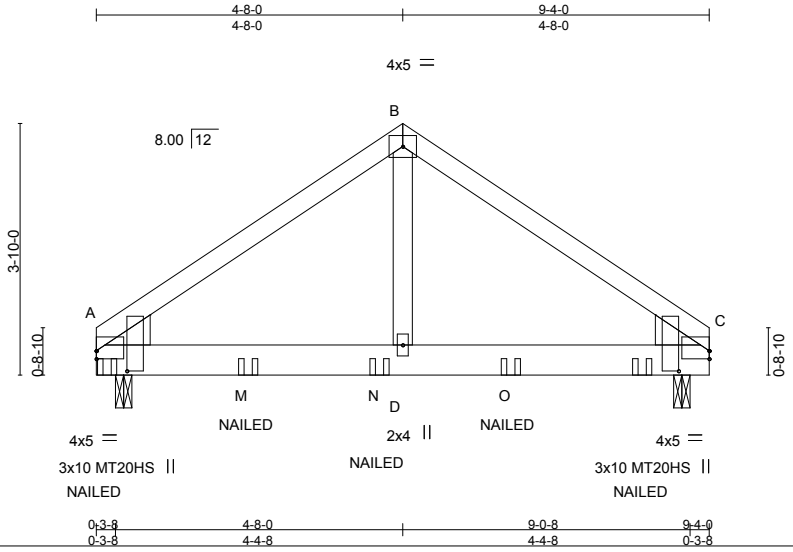

Plate Offsets (X,Y)-- [A:0-0-0,0-1-8], [A:0-3-11,0-5-9], [C:Edge,0-1-8], [C:0-3-11,0-5-9]

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	0.25	Vert(LL)	-0.02	D-G	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(TL)	-0.04	D-G	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.17	Horz(TL)	0.01	A	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-M)		Wind(LL)	0.03	D-G	>999	240	Weight: 47 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=1028/0-3-0, C=980/0-3-0
Max Horz A=120(LC 16)
Max Uplift A=-650(LC 6), C=-617(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-878/567, B-C=-882/571
BOT CHORD A-M=-400/679, M-N=-400/679, D-N=-400/679, D-O=-400/679, C-O=-400/679
WEBS B-D=-484/675

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=650, C=617.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) "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.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
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.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-B=-60, B-C=-60, E-H=-20
Concentrated Loads (lb)
Vert: E=-258(B) L=-251(B) M=-251(B) N=-251(B) O=-251(B)

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	G01	GABLE	3	1	I31523399
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153

7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:42 2017 Page 1
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0-10-8 9-11-8 19-11-0 20-9-8
0-10-8 9-11-8 9-11-8 0-10-8

Scale = 1:40.1

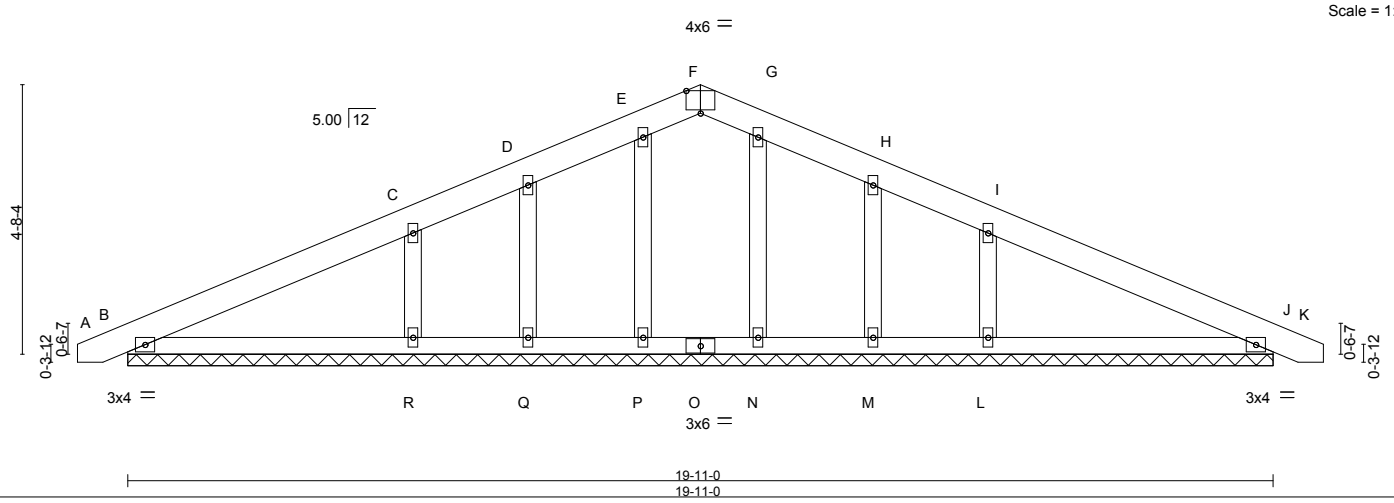

Plate Offsets (X,Y)-- [F:0-3-0,Edge]

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	0.14	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	0.08	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=73(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) B, J, P, Q, N, M except R=-180(LC 8), L=-179(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.
WEBS C-R=-299/262, I-L=-299/262

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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) B, J, P, Q, N, M except (jt=lb) R=180, L=179.
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.

November 1,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	G02	COMMON	15	1	I31523400
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:43 2017 Page 1
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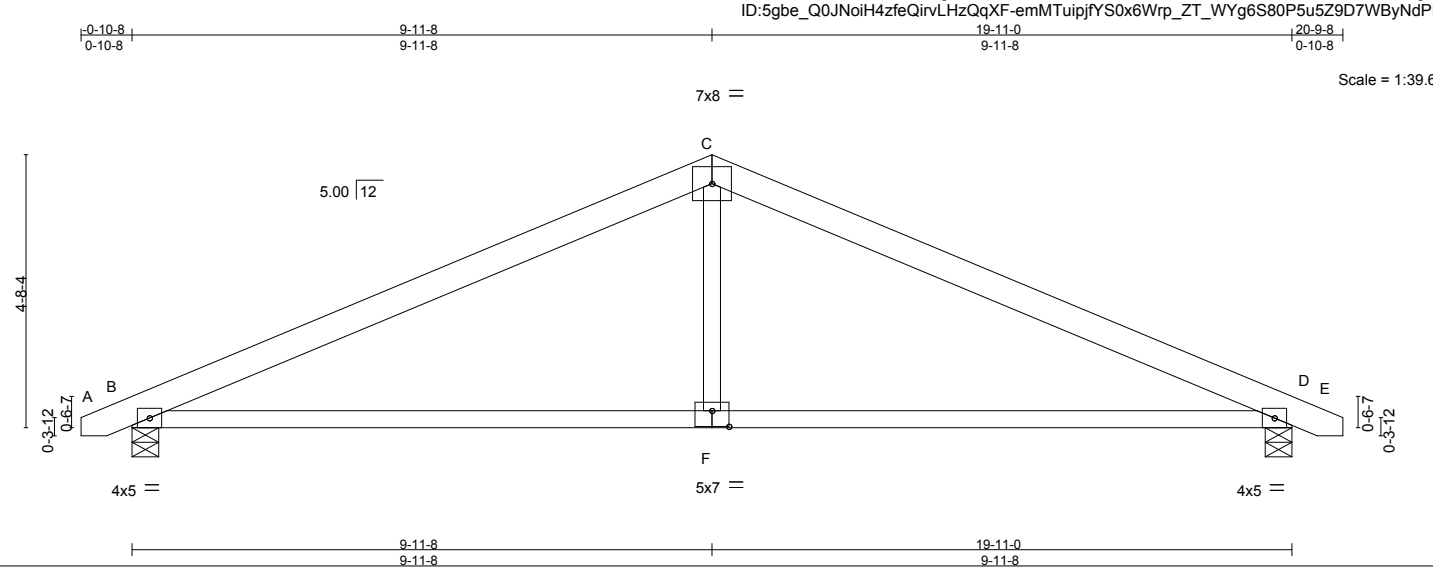

Plate Offsets (X,Y)-- [F:0-3-8,0-3-4]

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	0.55	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)	0.12	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=77(LC 8)
Max Uplift B=-267(LC 8), D=-267(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1227/514, C-D=-1227/514
BOT CHORD B-F=-326/1072, D-F=-326/1072
WEBS C-F=0/403

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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) 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=267, D=267.
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.

November 1,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	H01	GABLE	1	1	I31523401
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:43 2017 Page 1
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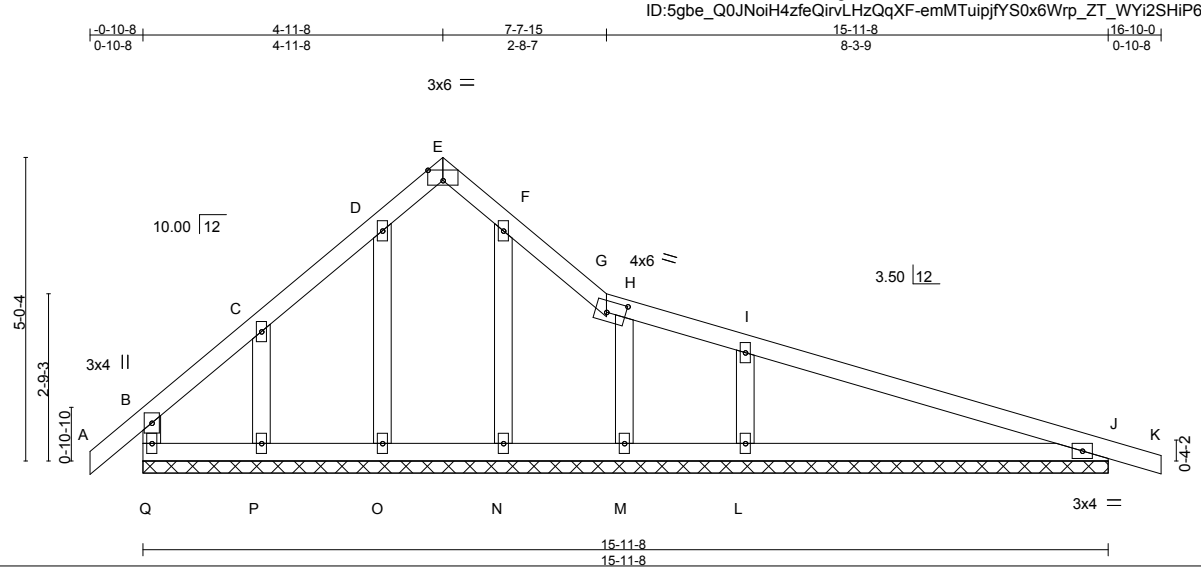

Plate Offsets (X,Y)-- [E:0-3-0,Edge], [G:0-3-12,0-2-4]

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	0.43	Vert(LL)	0.02	K	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(TL)	0.05	K	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.00	J	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 75 lb	FT = 20%

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

REACTIONS. All bearings 15-11-8.
(lb) - Max Horz Q=-199(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) Q, O, N, M except J=-148(LC 7), P=-212(LC 8), L=-259(LC 7)
Max Grav All reactions 250 lb or less at joint(s) Q, O, P, N, M except J=251(LC 1), L=511(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS I-L=-358/306

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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, O, N, M except (jt=lb) J=148, P=212, L=259.
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.

November 1,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	H02	Roof Special	6	1	I31523402
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153

7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:44 2017 Page 1
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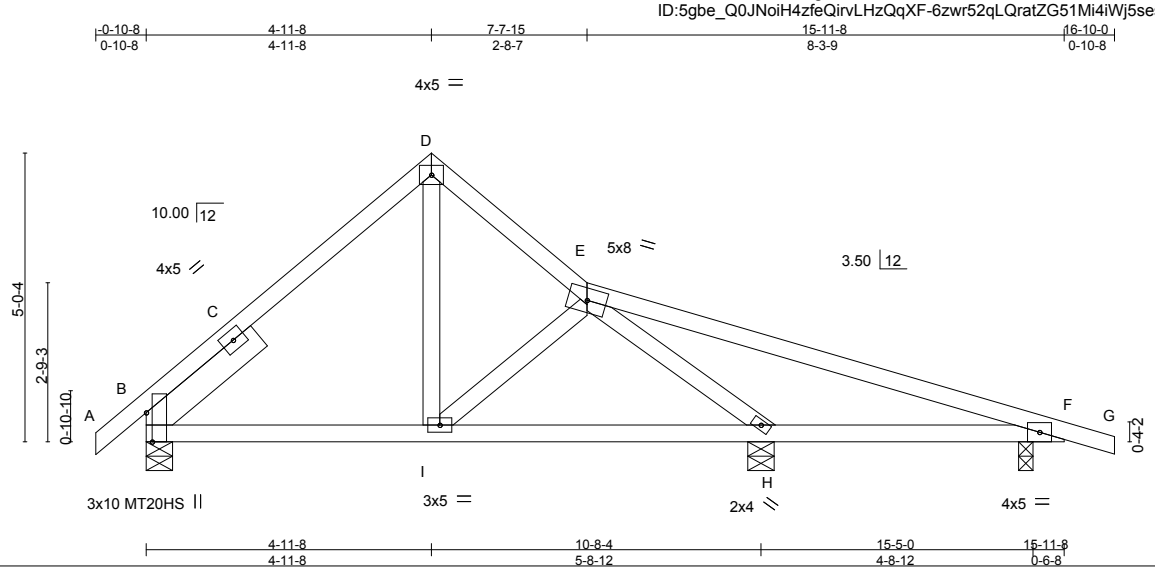

Plate Offsets (X,Y)-- [B:0-6-1,Edge]

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	0.50	Vert(LL)	-0.02	H-R	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(TL)	-0.05	H-I	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(TL)	-0.02	B	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.06	H-R	>999	240	Weight: 78 lb	FT = 20%

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

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

REACTIONS. (lb/size) B=542/0-5-8, H=411/0-5-8, F=429/0-3-0
Max Horz B=-185(LC 6)
Max Uplift B=-205(LC 8), H=-51(LC 9), F=-444(LC 7)
Max Grav B=542(LC 1), H=412(LC 3), F=429(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD C-D=-418/262, D-E=-490/316, E-F=-357/453
BOT CHORD B-I=-47/321, H-I=-341/605, F-H=-331/279
WEBS D-I=-233/370, E-I=-387/440, E-H=-411/43

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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; cantilever right exposed ; 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) 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) H except (jt=lb) B=205, F=444.
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.

November 1,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	J03	GABLE	3	1	I31523403
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:44 2017 Page 1
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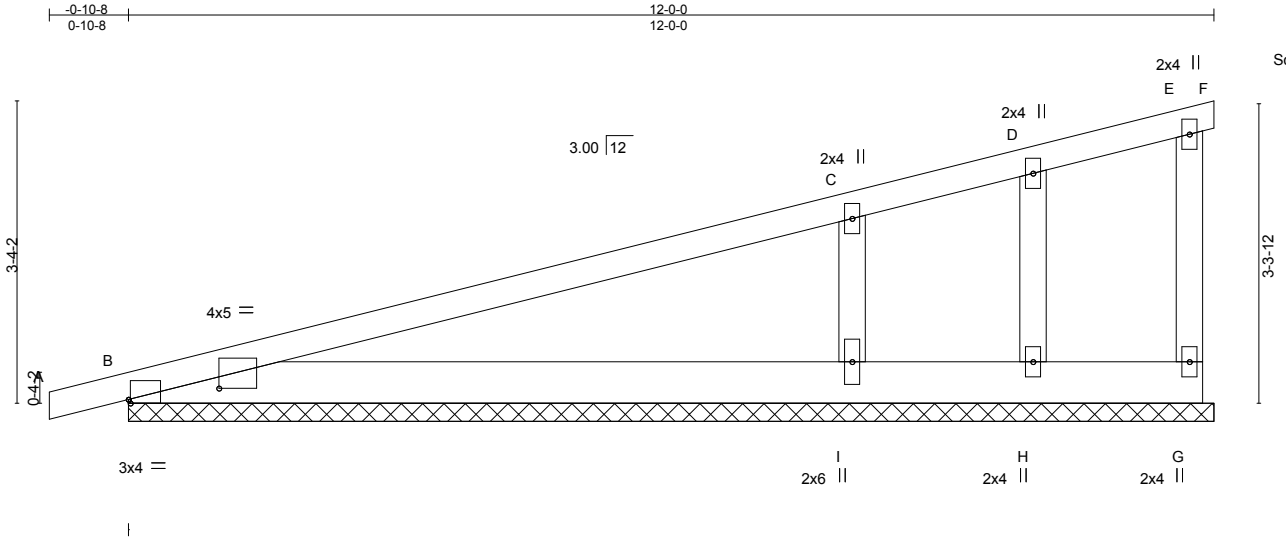

Plate Offsets (X,Y)-- [B:1-0-0,0-1-8], [B:0-0-4,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	0.00	E	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(TL)	0.00	E	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.00	G	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 57 lb	FT = 20%

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

REACTIONS. All bearings 12-0-0.
(lb) - Max Horz B=165(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) G except B=-127(LC 6), H=-232(LC 1), I=-287(LC 8)
Max Grav All reactions 250 lb or less at joint(s) G, H except B=312(LC 1), I=773(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS C-I=-487/437

NOTES- (10)
1) Wind: ASCE 7-05; 100mph; 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) 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) G except (jt=lb) B=127, H=232, I=287.
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.

November 1,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	J04	Monopitch	27	1	I31523404
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153

7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:45 2017 Page 1
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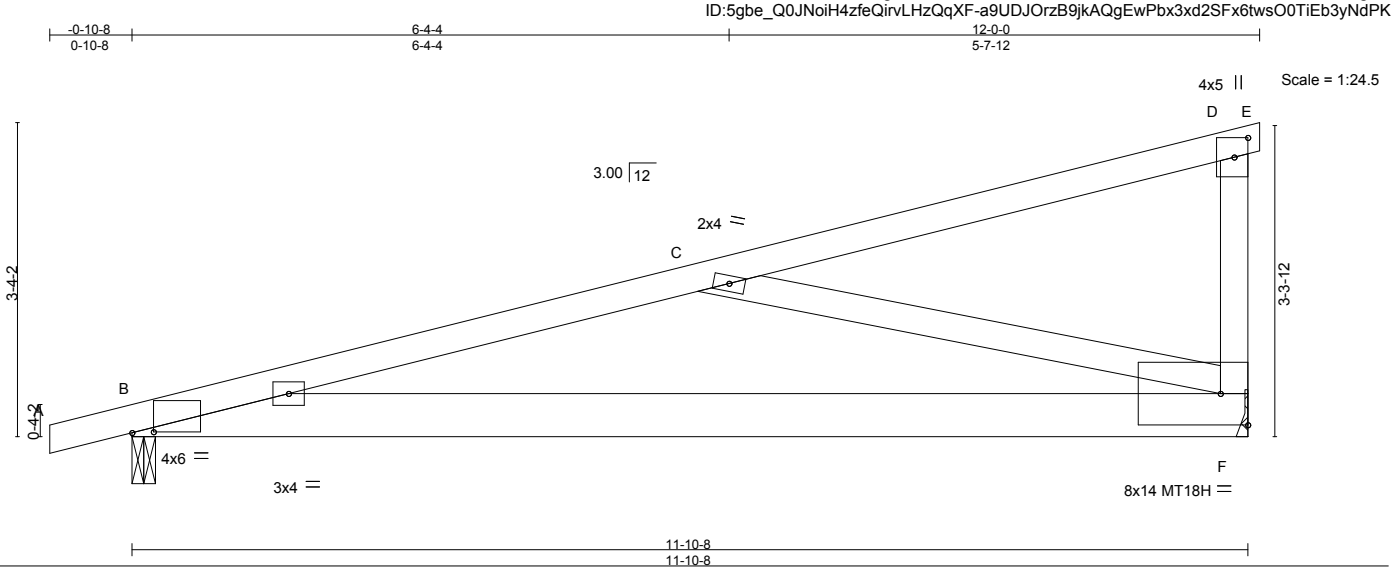

Plate Offsets (X,Y)-- [B:0-2-12,0-0-2], [D:0-2-8,0-1-12]

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	0.43	Vert(LL)	-0.12	F-H	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.42	Vert(TL)	-0.33	F-H	>427	240	MT18H	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.01	F	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.32	F-H	>430	240	Weight: 60 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP SS
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.1 *Except*
C-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) F=467/Mechanical, B=527/0-3-0
Max Horz B=170(LC 6)
Max Uplift F=-347(LC 6), B=-365(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-902/911
BOT CHORD B-F=-1042/869
WEBS C-F=-811/933

NOTES- (9)
1) Wind: ASCE 7-05; 100mph; 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; 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) 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) except (jt=lb) F=347, B=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) 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.

November 1,2017

ENGINEERING BY
TRENCO
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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	J05	Monopitch Supported Gable	3	1	I31523405
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:45 2017 Page 1
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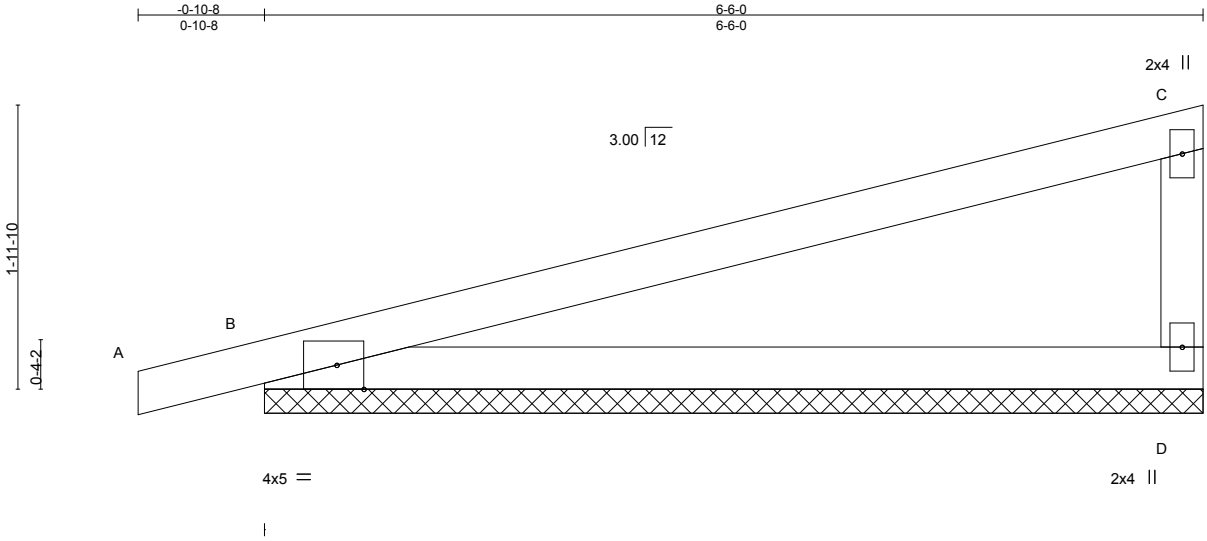

Plate Offsets (X,Y)-- [B:0-2-4,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	0.00	A	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(TL)	0.05	A	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 23 lb	FT = 20%

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

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

REACTIONS. (lb/size) D=251/6-6-0, B=310/6-6-0
Max Horz B=96(LC 6)
Max Uplift D=-94(LC 6), B=-133(LC 6)

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

NOTES- (11)
1) Wind: ASCE 7-05; 100mph; 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) D except (jt=lb) B=133.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) B.
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.

November 1,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	J06	GABLE	2	1	I31523406
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:46 2017 Page 1
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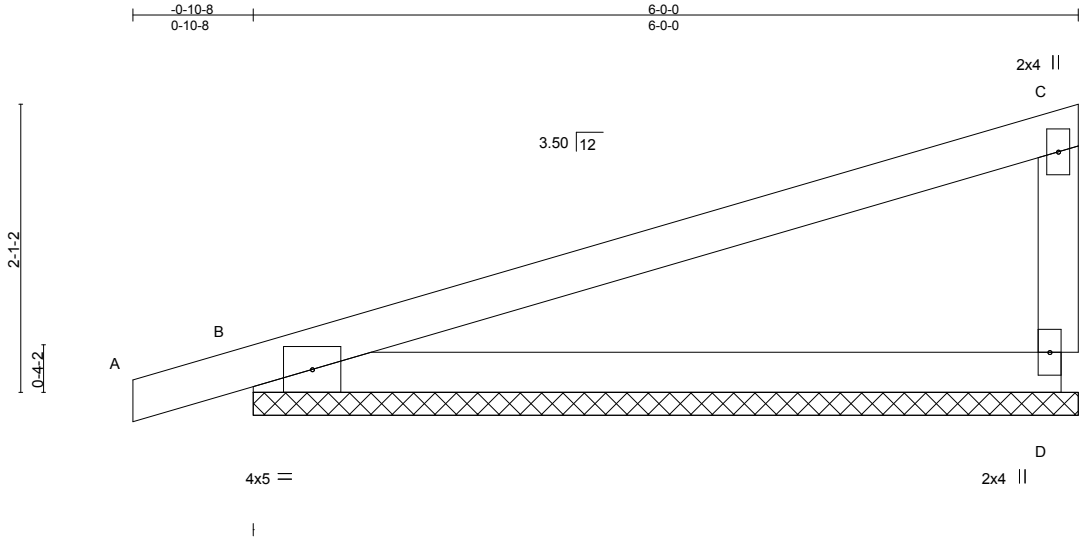

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	0.00	A	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(TL)	0.04	A	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	D	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 22 lb	FT = 20%

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

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

REACTIONS. (lb/size) D=230/6-0-0, B=291/6-0-0
Max Horz B=102(LC 7)
Max Uplift D=-83(LC 8), B=-131(LC 6)

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

NOTES- (10)
1) Wind: ASCE 7-05; 100mph; 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) 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=131.
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.

November 1,2017

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TRENCO
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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	J07	Monopitch	25	1	I31523407
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:46 2017 Page 1
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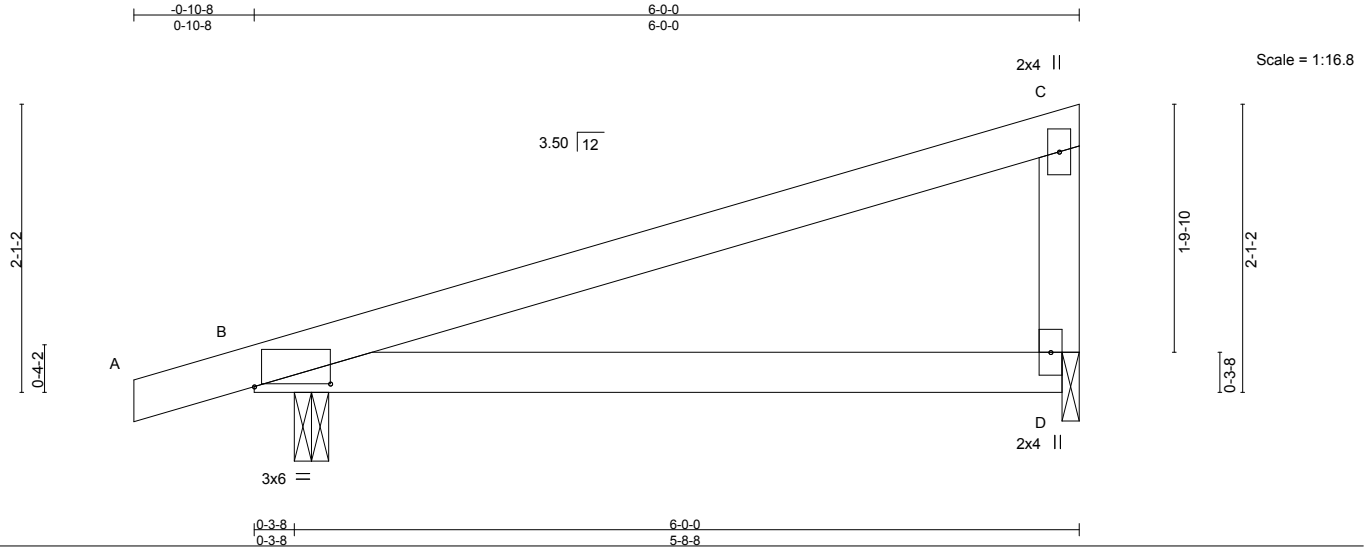

Plate Offsets (X,Y)-- [B:0-6-10,0-0-4]

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	0.37	Vert(LL)	-0.03	D-G	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(TL)	-0.09	D-G	>780	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	B	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.11	D-G	>657	240	Weight: 22 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=326/0-3-0, D=195/0-1-8
Max Horz B=106(LC 6)
Max Uplift B=-231(LC 6), D=-146(LC 6)

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

NOTES- (9)
1) Wind: ASCE 7-05; 100mph; 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; 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) Bearing at joint(s) D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) D.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=231, D=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.

November 1,2017

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	J08	Jack-Closed	5	1	I31523408
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153

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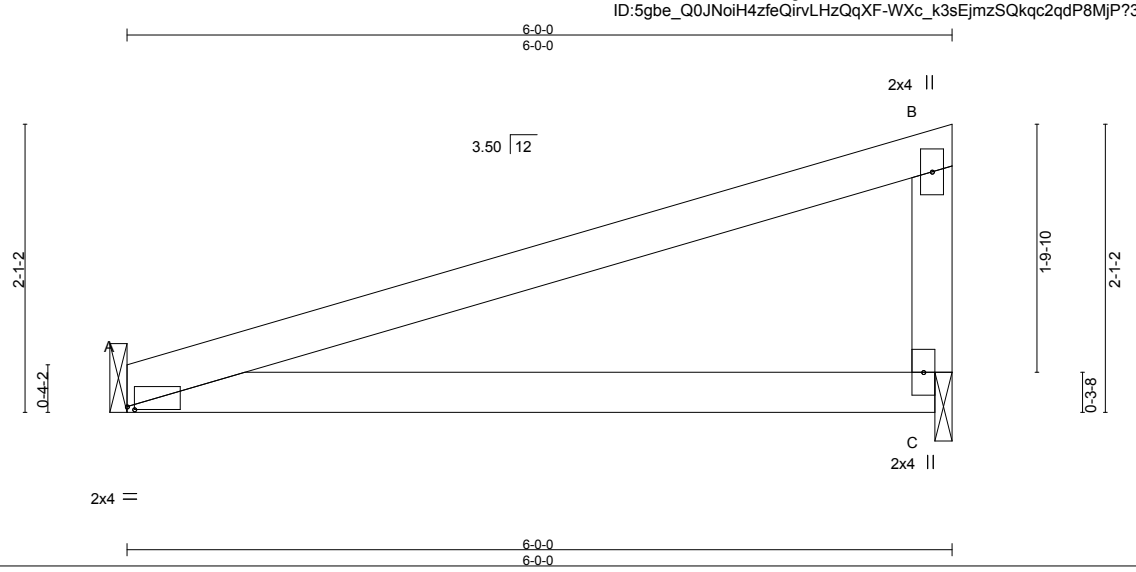

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Plate Offsets (X,Y)-- [A:0-0-10,0-0-4]

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	0.37	Vert(LL)	-0.03	C-F	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(TL)	-0.09	C-F	>753	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	A	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.11	C-F	>631	240	Weight: 20 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) A=271/Mechanical, C=198/0-1-8
Max Horz A=88(LC 6)
Max Uplift A=-176(LC 6), C=-148(LC 6)

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

NOTES- (10)
1) Wind: ASCE 7-05; 100mph; 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; 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) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) C 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 at joint(s) C.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=176, C=148.
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) 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.

November 1,2017

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	J09	GABLE	1	1	I31523409
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:47 2017 Page 1

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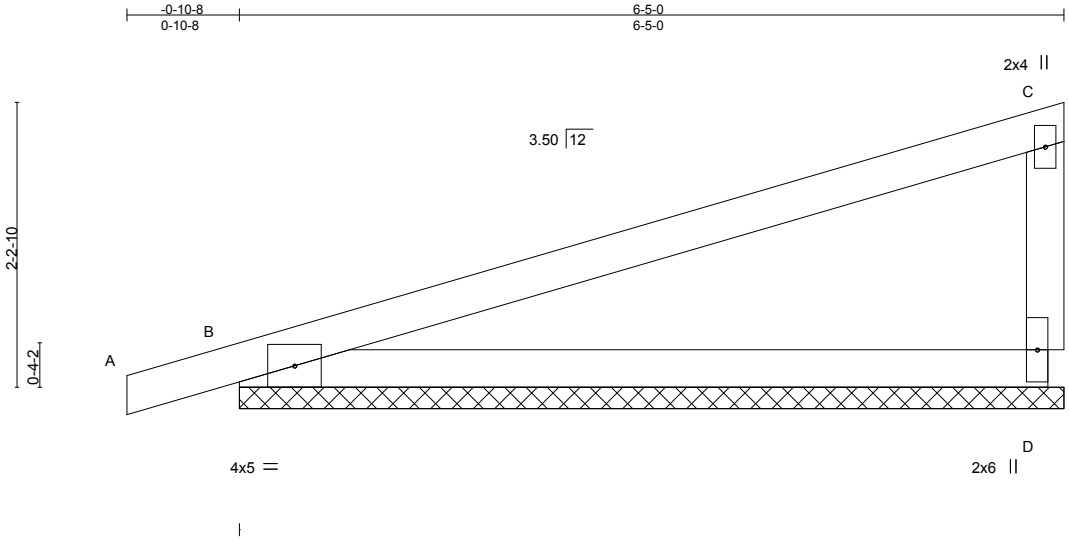

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	0.00	A	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(TL)	0.05	A	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	D	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 23 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (lb/size) D=247/6-5-0, B=307/6-5-0
Max Horz B=109(LC 7)
Max Uplift D=-89(LC 8), B=-136(LC 6)

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

NOTES- (10)

1) Wind: ASCE 7-05; 100mph; 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) 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=136.
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.

November 1,2017

ENGINEERING BY
TRENCO
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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	J10	Monopitch	15	1	I31523410
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:47 2017 Page 1
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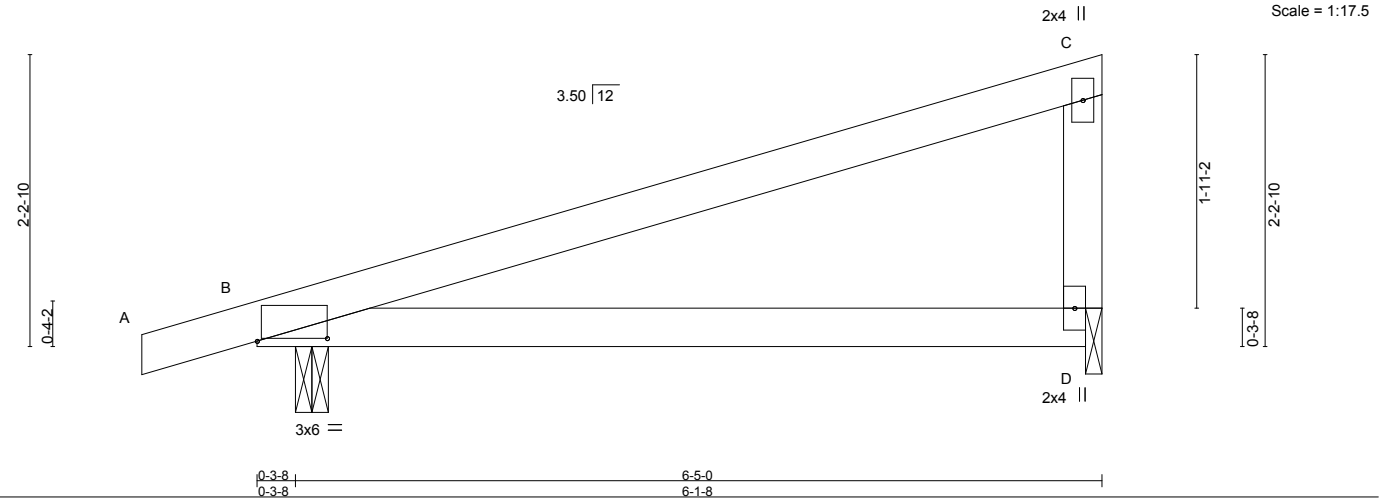

Plate Offsets (X,Y)-- [B:0-6-6,0-0-4]

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	0.43	Vert(LL)	-0.04	D-G	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(TL)	-0.12	D-G	>643	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	B	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.14	D-G	>551	240	Weight: 23 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=346/0-3-0, D=208/0-1-8
Max Horz B=112(LC 6)
Max Uplift B=-244(LC 6), D=-156(LC 6)

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

NOTES- (9)
1) Wind: ASCE 7-05; 100mph; 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; 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) Bearing at joint(s) D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) D.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=244, D=156.
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.

November 1,2017

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	PB01	GABLE	19	1	I31523411
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153

7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:48 2017 Page 1
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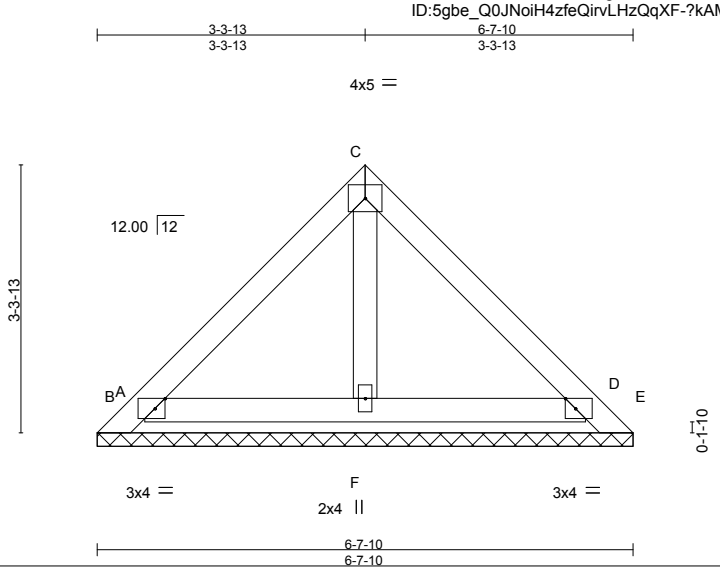

Plate Offsets (X,Y)-- [B:0-1-8,Edge], [D:0-1-8,Edge]

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	0.14	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	0.02	Horz(TL)	0.00	D	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 26 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 6-7-10.
(lb) - Max Horz A=-120(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) except A=-127(LC 6), E=-114(LC 1), B=-307(LC 8), D=-280(LC 9)
Max Grav All reactions 250 lb or less at joint(s) A, E, F except B=287(LC 1), D=287(LC 1)

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

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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 127 lb uplift at joint A, 114 lb uplift at joint E, 307 lb uplift at joint B and 280 lb uplift at joint D.
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.

November 1,2017

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Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	PB02	GABLE	1	1	I31523412
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:48 2017 Page 1
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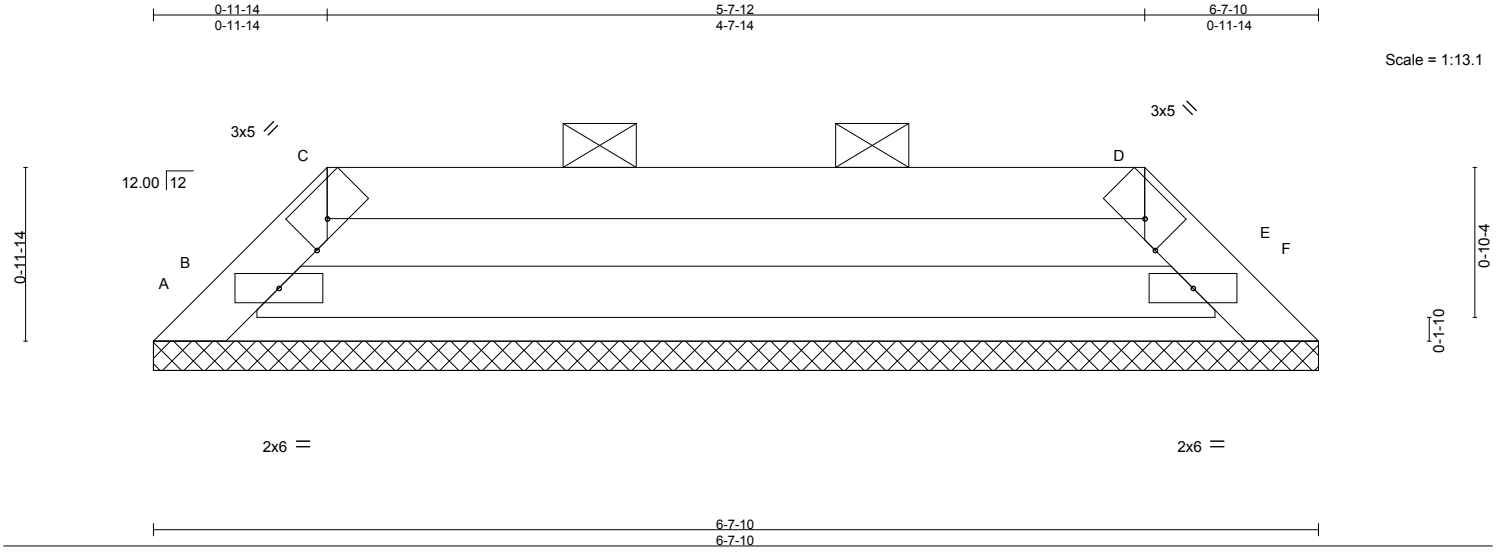

Plate Offsets (X,Y)-- [C:0-2-0,Edge], [D:0-2-0,Edge]

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	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.01	F	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

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=42/6-7-10, F=237/6-7-10, B=223/6-7-10
Max Horz A=33(LC 7)
Max Uplift A=-67(LC 6), F=-88(LC 6), B=-99(LC 7)
Max Grav A=42(LC 1), F=237(LC 1), B=234(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-339/295, C-D=-344/281, D-E=-327/290
BOT CHORD B-E=-234/344

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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) 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 67 lb uplift at joint A, 88 lb uplift at joint F and 99 lb uplift at joint B.
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.

November 1,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	PB03	GABLE	1	1	I31523413
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:49 2017 Page 1
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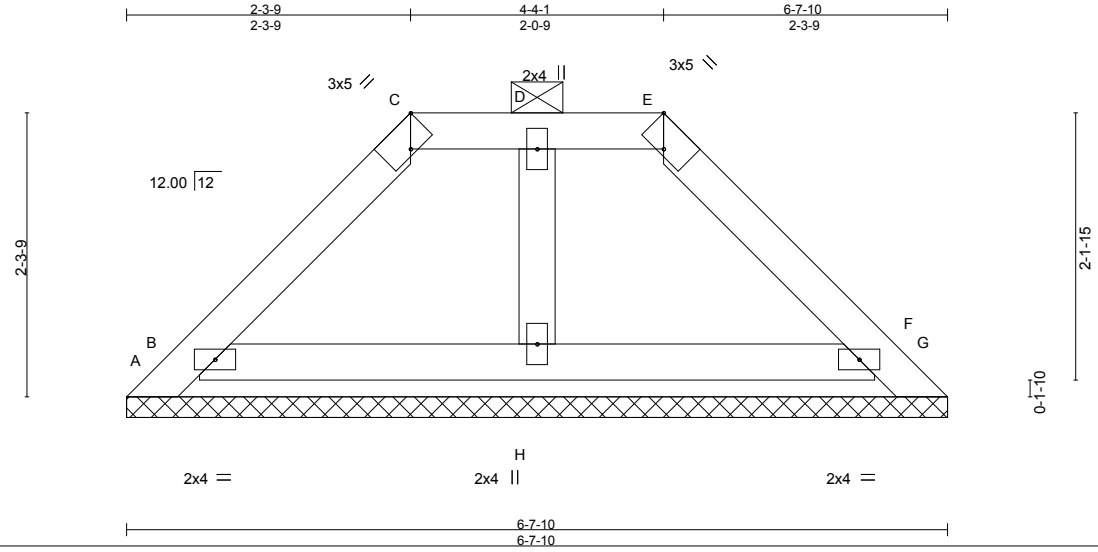

Plate Offsets (X,Y)-- [C:0-2-8,Edge], [E:0-2-8,Edge]

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	0.07	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	0.02	Horz(TL)	0.00	G	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 23 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-E.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 6-7-10.
(lb) - Max Horz A=-83(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) G, H except A=-116(LC 6), B=-162(LC 7), F=-138(LC 9)
Max Grav All reactions 250 lb or less at joint(s) A, G, B, F, H

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; 100mph; 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) 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) G, H except (jt=lb) A=116, B=162, F=138.
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.

November 1,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	V01	GABLE	2	1	I31523414
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153

7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:50 2017 Page 1
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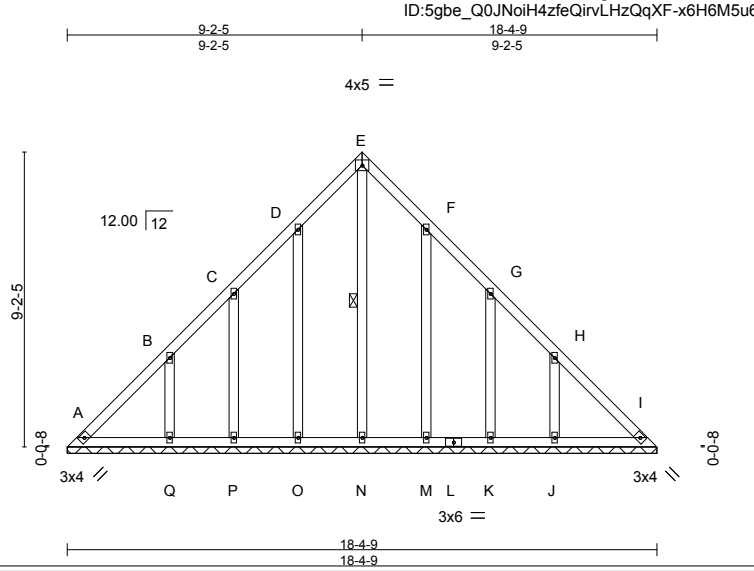

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.01	I	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 118 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.
WEBS	1 Row at midpt E-N

REACTIONS. All bearings 18-4-9.
(lb) - Max Horz A=-342(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) A, I except O=-161(LC 8), P=-138(LC 8), Q=-230(LC 8), M=-159(LC 9), K=-138(LC 9), J=-230(LC 9)
Max Grav All reactions 250 lb or less at joint(s) A, I, O, P, Q, M, K, J except N=259(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-333/187, H-I=-284/105
BOT CHORD A-Q=-70/259, P-Q=-70/259, O-P=-70/259, N-O=-70/259, M-N=-70/259, L-M=-70/259, K-L=-70/259, J-K=-70/259, I-J=-70/259

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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 100 lb uplift at joint(s) A, I except (jt=lb) O=161, P=138, Q=230, M=159, K=138, J=230.
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.

November 1,2017

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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Roosevelt/
757421	V02	GABLE	1	1	I31523415
					Job Reference (optional)

Builders FirstSource, Sumter, SC 29153 — 7.640 s Aug 16 2017 MiTek Industries, Inc. Wed Nov 01 08:05:51 2017 Page 1
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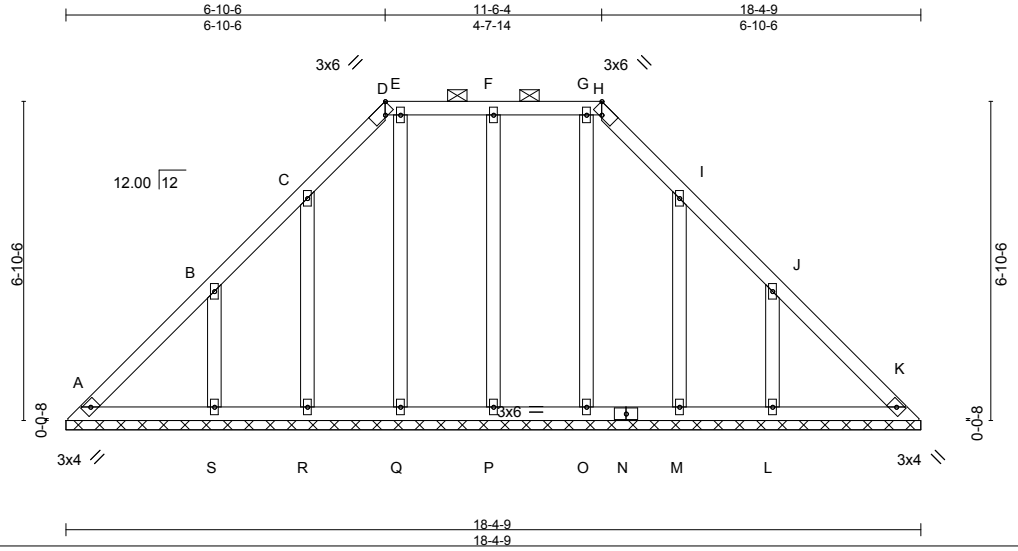

Plate Offsets (X,Y)-- [D:0-2-8,Edge], [H:0-2-8,Edge]

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	0.10	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	0.11	Horz(TL)	0.01	K	n/a	n/a		
BCDL	10.0	Code	IRC2009/TPI2007	(Matrix)							Weight: 111 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.): D-H.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 18-4-9.
(lb) - Max Horz A=254(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) A, K, P, Q, O except R=-121(LC 8), S=-236(LC 8), M=-118(LC 9), L=-237(LC 9)
Max Grav All reactions 250 lb or less at joint(s) A, K, P, Q, R, S, O, M, L

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-S=-170/255, J-L=-170/256

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; 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 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
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, K, P, Q, O except (jt=lb) R=121, S=236, M=118, L=237.
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) 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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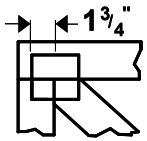
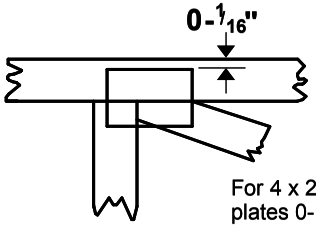
Edenton, NC 27932

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.

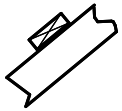
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

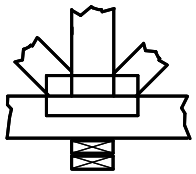
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

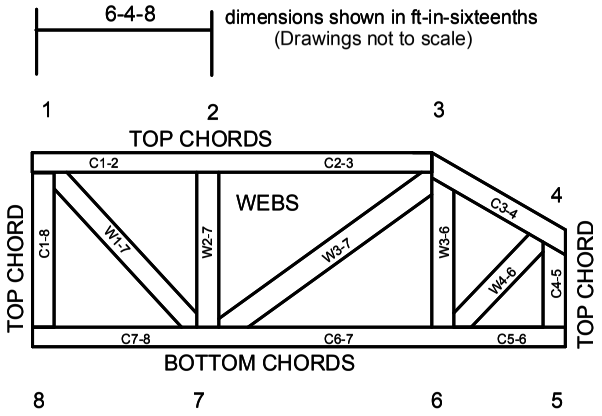


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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

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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.