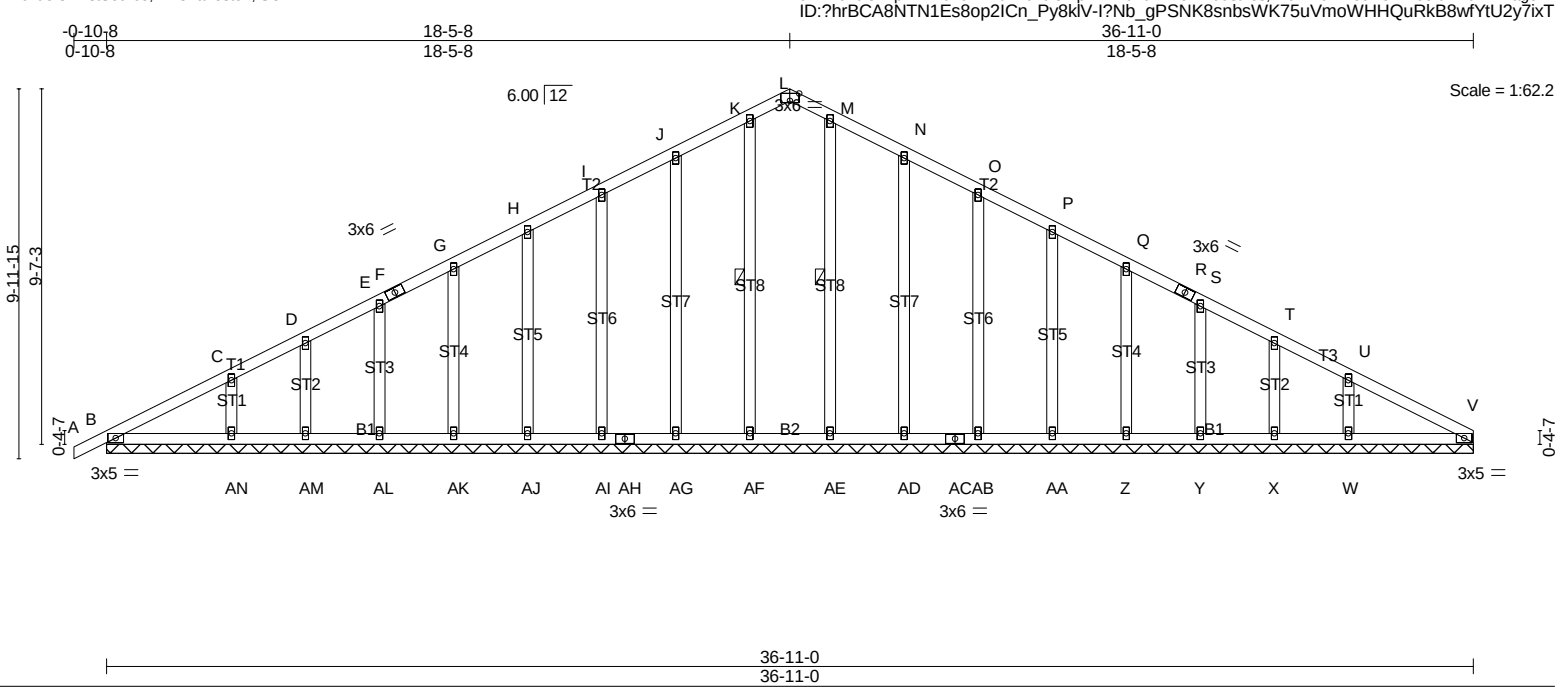
Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	A01	GABLE	4	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:04 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-I?Nb_gPSNK8snbsWK75uVmoWHHQuRkB8wfYtU2y7ixT



36-11-0
36-11-0

Plate Offsets (X,Y)-- [L: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	0.28	Vert(LL)	-0.00	A	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	0.00	A	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.02	V	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 237 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 K-AF, M-AE

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 36-11-0.
(lb) - Max Horz B=243(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) B, AI, AM, AB, X except AG=-134(LC 8), AJ=-104(LC 8), AK=-102(LC 8), AL=-108(LC 8), AN=-161(LC 8), AD=-143(LC 9), AA=-104(LC 9), Z=-102(LC 9), Y=-110(LC 9), W=-183(LC 9)
Max Grav All reactions 250 lb or less at joint(s) B, AF, AG, AI, AJ, AK, AL, AM, AE, AD, AB, AA, Z, Y, X, V except AN=261(LC 13), W=275(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-372/43, I-J=-47/327, J-K=-47/462, K-L=-45/436, L-M=-45/436, M-N=-47/462, N-O=-47/327, U-V=-378/39
BOT CHORD B-AN=0/404, AM-AN=0/404, AL-AM=0/404, AK-AL=0/404, AJ-AK=0/404, AI-AJ=0/404, AH-AI=0/404, AG-AH=0/404, AF-AG=0/404, AE-AF=0/404, AD-AE=0/404, AC-AD=0/404, AB-AC=0/404, AA-AB=0/404, Z-AA=0/404, Y-Z=0/404, X-Y=0/404, W-X=0/404, V-W=0/404
WEBS J-AG=-122/280, C-AN=-187/337, N-AD=-122/280, U-W=-198/357

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, AI, AM, AB, X except (jt=lb) AG=134, AJ=104, AK=102, AL=108, AN=161, AD=143, AA=104, Z=102, Y=110, W=183.
11) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

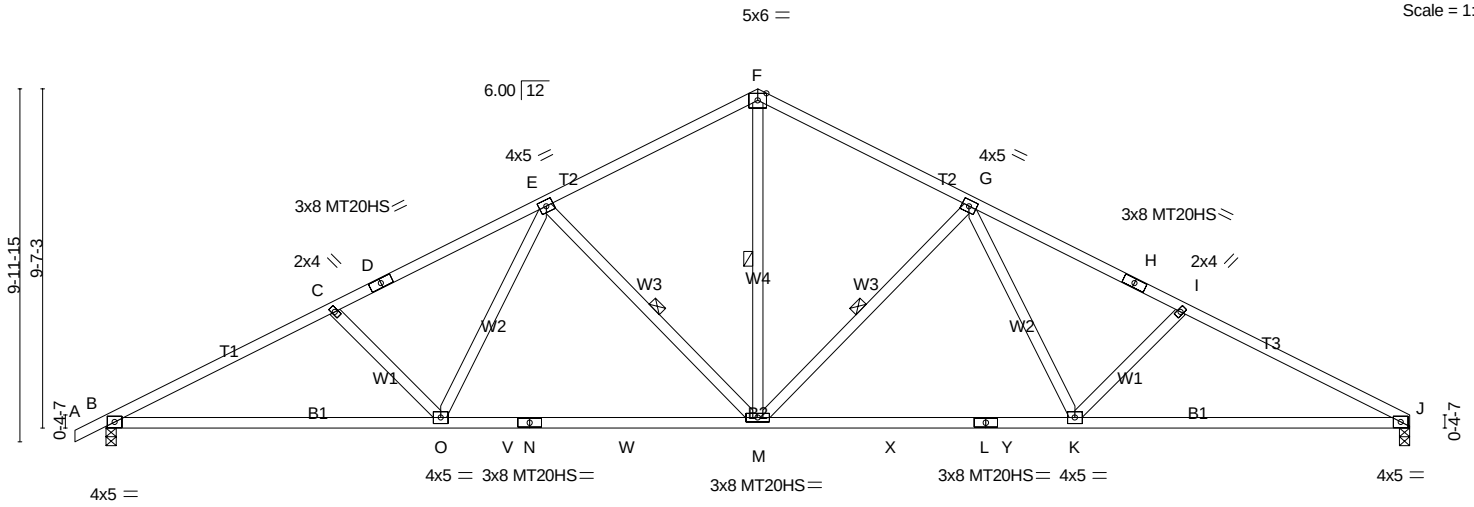
Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	A02	Common	18	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:05 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-mBxzC0Q48dGjPlRitqc72_KaShZ7A6hI9JHR0Uy7ixS

-0-10-8	6-5-13	12-5-11	18-5-8	24-5-5	30-5-3	36-11-0
0-10-8	6-5-13	5-11-13	5-11-13	5-11-13	5-11-13	6-5-13

Scale = 1:65.2



9-5-12	18-5-8	27-5-4	36-11-0
9-5-12	8-11-12	8-11-12	9-5-12

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	0.76	Vert(LL)	-0.26	M-O	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.95	Vert(TL)	-0.59	M-O	>745	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.15	J	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.26	M-O	>999	240	Weight: 189 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.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt F-M, G-M, E-M

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1529/0-3-8 (min. 0-1-13), J=1476/0-3-8 (min. 0-1-12)
Max Horz B=247(LC 8)
Max UpliftB=-620(LC 8), J=-547(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2683/2458, C-D=-2429/2287, D-E=-2351/2317, E-F=-1720/1824, F-G=-1720/1824, G-H=-2353/2319, H-I=-2431/2289, I-J=-2685/2460
BOT CHORD B-O=-2017/2327, O-V=-1460/1908, N-V=-1460/1908, N-W=-1460/1908, M-W=-1460/1908, M-X=-1461/1909, L-X=-1461/1909, L-Y=-1461/1909, K-Y=-1461/1909, J-K=-2020/2329
WEBS F-M=-1143/1149, G-M=-660/860, G-K=-349/489, I-K=-329/592, E-M=-659/859, E-O=-347/488, C-O=-328/591

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=620, J=547.
8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard

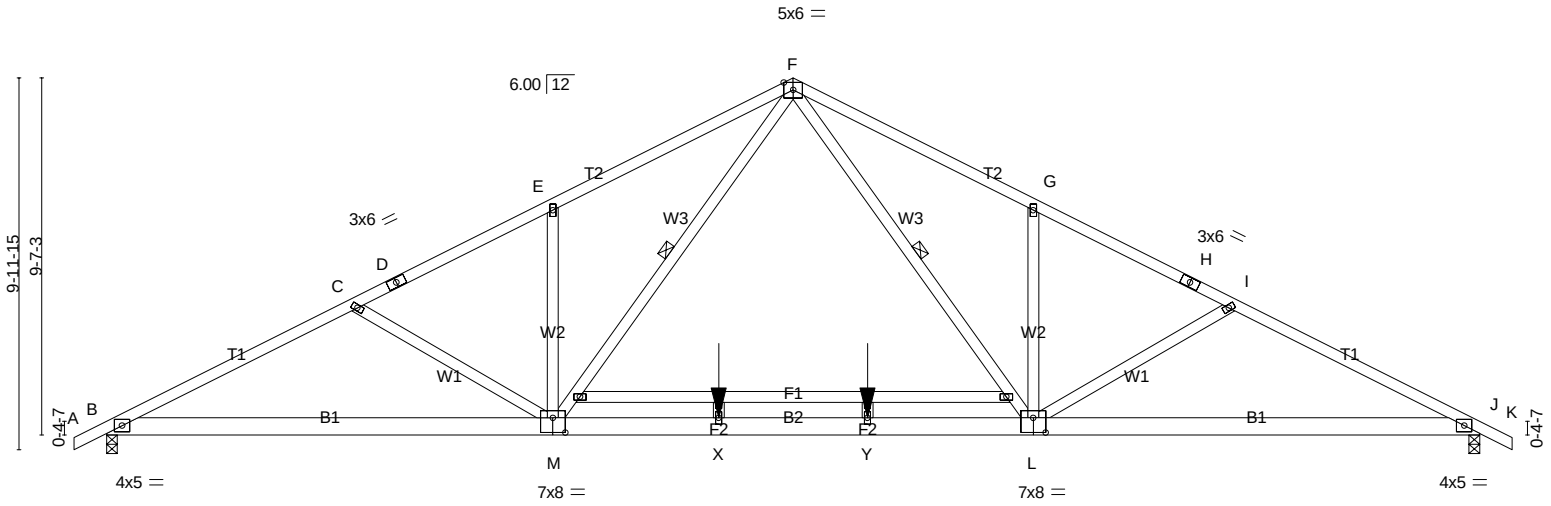
Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	A03	COMMON	12	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:06 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-EOVLPMRjvxOa1u0uRY7MaBtlL5vjvYzROz1_Zwy7ixR

-0-10-8	6-8-15	12-0-0	18-5-8	24-11-0	30-2-1	36-11-0	37-9-8
0-10-8	6-8-15	5-3-1	6-5-8	6-5-8	5-3-1	6-8-15	0-10-8

Scale = 1:61.9



12-0-0	16-5-8	20-5-8	24-11-0	36-11-0
12-0-0	4-5-8	4-0-0	4-5-8	12-0-0

Plate Offsets (X,Y)-- [L:0-4-0,0-4-12], [M:0-4-0,0-4-12]

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	0.75	Vert(LL)	-0.16	M-U	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.93	Vert(TL)	-0.88	L-M	>504	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.12	J	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.28	L-W	>999	240	Weight: 236 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt F-L, F-M

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1629/0-3-8 (min. 0-1-15), J=1629/0-3-8 (min. 0-1-15)
Max Horz B=236(LC 8)
Max Uplift B=-519(LC 8), J=-519(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2998/2295, C-D=-2652/1940, D-E=-2521/1966, E-F=-2662/2287, F-G=-2662/2287, G-H=-2521/1966, H-I=-2652/1940, I-J=-2998/2296
BOT CHORD B-M=-1832/2638, M-X=-741/1636, X-Y=-741/1636, L-Y=-741/1636, J-L=-1838/2638
WEBS F-L=-910/1185, G-L=-363/641, I-L=-389/672, F-M=-910/1185, E-M=-363/641, C-M=-389/672

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 18-5-8 from left end, supported at two points, 4-0-0 apart.
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=519, J=519.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

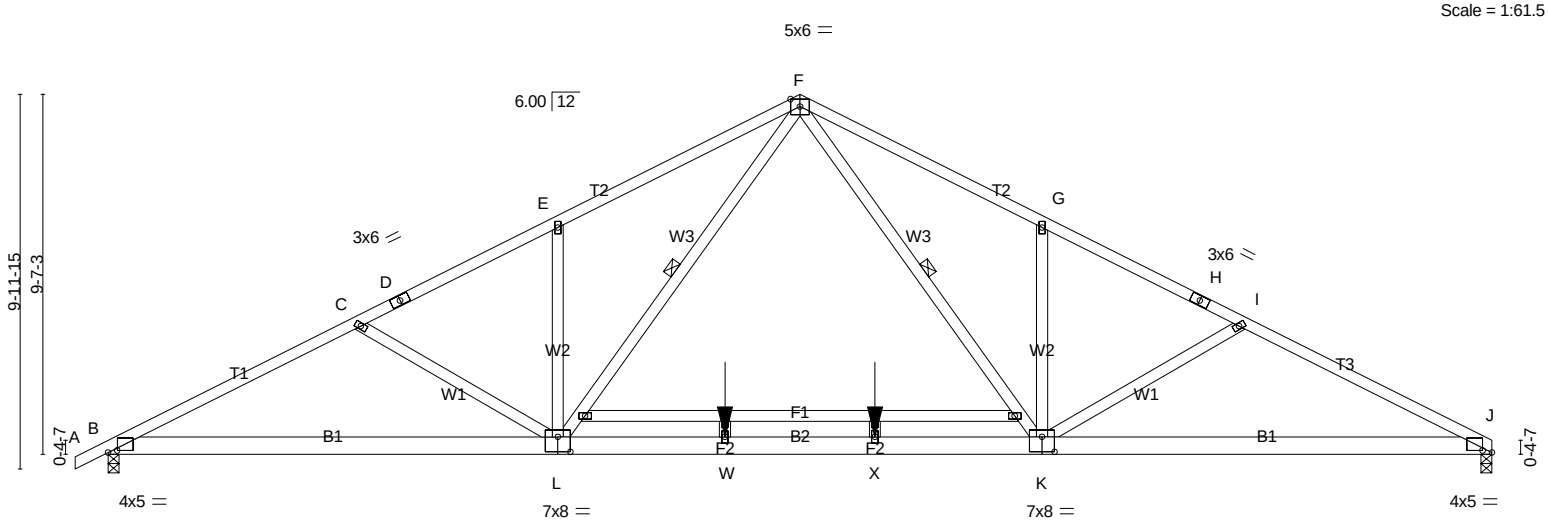
Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	A04	Common	2	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:07 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-ia3kdiSLgFWQe2b5?Feb7PQw3UFwe?AbddmX5Ny7ixQ

-0-10-8	6-8-15	12-0-0	18-5-8	24-11-0	30-2-1	36-11-0
0-10-8	6-8-15	5-3-1	6-5-8	6-5-8	5-3-1	6-8-15

Scale = 1:61.5



12-0-0	16-5-8	20-5-8	24-11-0	36-11-0
12-0-0	4-5-8	4-0-0	4-5-8	12-0-0

Plate Offsets (X,Y)-- [B:0-3-0,0-0-11], [J:0-3-0,0-0-11], [K:0-4-0,0-4-12], [L:0-4-0,0-4-12]

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	0.76	Vert(LL)	-0.16	L-T	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.93	Vert(TL)	-0.88	K-L	>504	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.12	J	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.29	K-V	>999	240	Weight: 235 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt F-K, F-L

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1630/0-3-8 (min. 0-1-15), J=1576/0-3-8 (min. 0-1-14)
Max Horz B=247(LC 8)
Max Uplift B=-519(LC 8), J=-445(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-3000/2299, C-D=-2653/1944, D-E=-2522/1970, E-F=-2663/2291, F-G=-2666/2294, G-H=-2525/1974, H-I=-2655/1948, I-J=-3003/2305
BOT CHORD B-L=-1878/2639, L-W=-782/1637, W-X=-782/1637, K-X=-782/1637, J-K=-1884/2643
WEBS F-K=-914/1188, G-K=-363/639, I-K=-392/676, F-L=-908/1185, E-L=-363/641, C-L=-389/672

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 18-5-8 from left end, supported at two points, 4-0-0 apart.
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=519, J=445.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

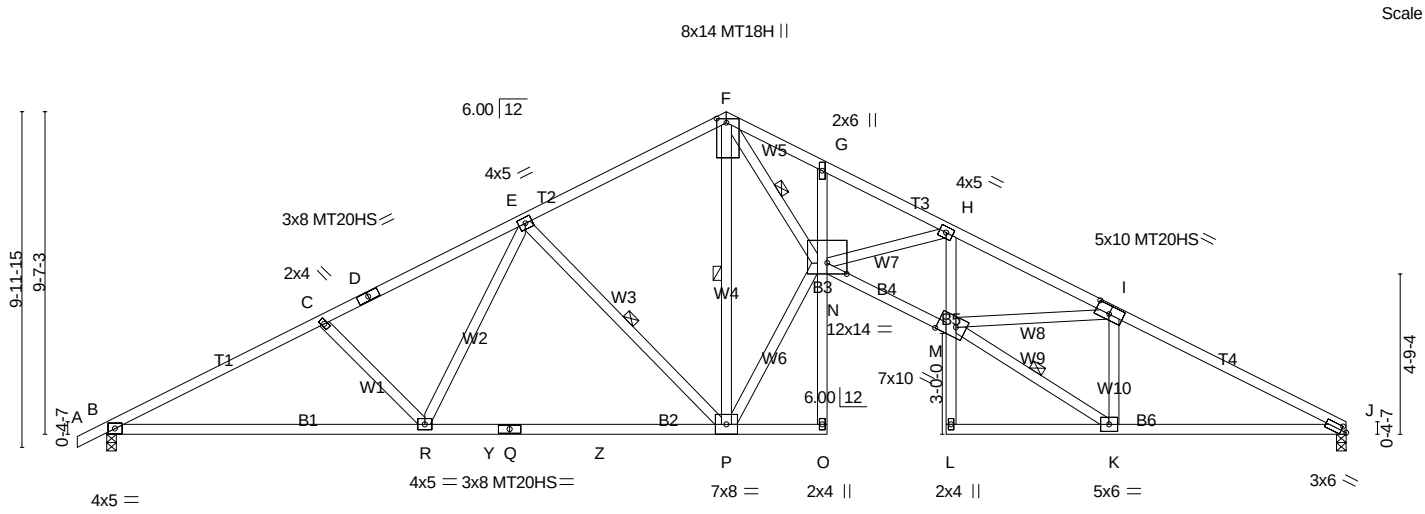
Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	A05	Roof Special	4	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:07 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-ia3kdiSLgFWQe2b5?Feb7PQxYUGXevobddmX5Ny7ixQ

-0-10-8	6-5-13	12-5-11	18-5-8	21-5-8	24-5-5	25-0-0	30-0-0	36-11-0
0-10-8	6-5-13	5-11-13	5-11-13	3-0-0	2-11-13	0-6-11	5-0-0	6-11-0

Scale = 1:68.6



9-5-12	18-5-8	21-5-8	25-0-0	27-5-4	30-0-0	36-11-0
9-5-12	8-11-12	3-0-0	3-6-8	2-5-4	2-6-12	6-11-0

Plate Offsets (X,Y)-- [F:0-1-8,0-3-8], [I:0-5-0,0-3-0], [J:0-2-0,0-1-8], [M:0-6-8,Edge], [N:0-7-0,0-3-15]

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	0.66	Vert(LL)	-0.40	O	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(TL)	-0.99	N	>446	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(TL)	0.67	J	n/a	n/a	MT18H	244/190
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.60	O	>733	240	Weight: 221 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except*
B4: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
W6,W9: 2x4 SP No.2, W5: 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt F-N, K-M, E-P, F-P

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1528/0-3-8 (min. 0-1-13), J=1478/0-3-8 (min. 0-1-12)
Max Horz B=247(LC 8)
Max Uplift B=-618(LC 8), J=-549(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2655/2429, C-D=-2407/2262, D-E=-2331/2292, E-F=-1705/1812, F-G=-4612/3983, G-H=-4733/3902, H-I=-4657/4003, I-J=-2640/2341
BOT CHORD B-R=-1988/2298, R-Y=-1448/1896, Q-Y=-1448/1896, Q-Z=-1448/1896, P-Z=-1448/1896, M-N=-3400/4499, H-M=-312/213, J-K=-1891/2274
WEBS N-P=-1609/2762, F-N=-3581/4998, H-N=-102/322, K-M=-2255/2700, I-M=-1189/1802, E-R=-329/487, C-R=-318/577, E-P=-659/866, F-P=-1751/850, I-K=-1390/1326

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=618, J=549.
8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	B01	Common Supported Gable	3	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:08 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-Bmd6q2SzRYeHGC9HZz9qfcyE5unQNZekrHW5dpy7ixP

-0-10-8 | 6-3-8 | 12-7-0 | 13-5-8
0-10-8 | 6-3-8 | 6-3-8 | 0-10-8

Scale = 1:22.8

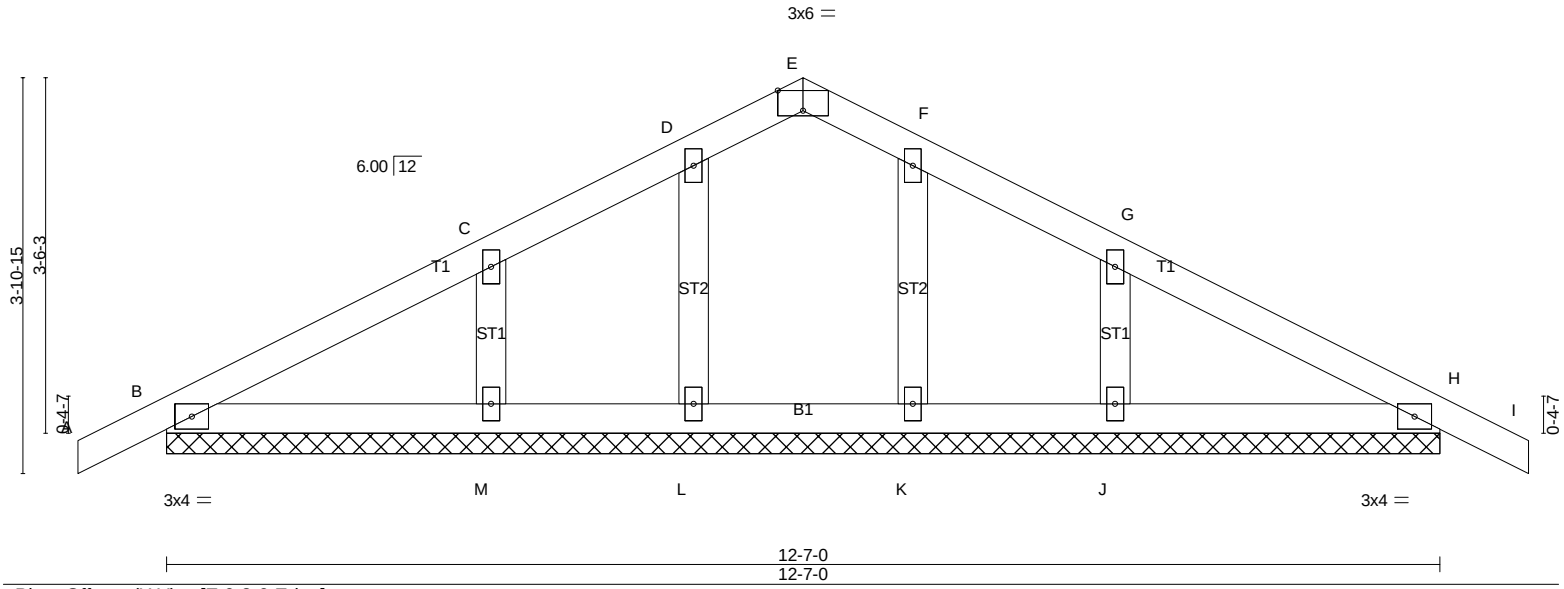


Plate Offsets (X,Y)-- [E:0-3-0,Edge]

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	0.16	Vert(LL)	0.00	I	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(TL)	0.01	I	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.00	H	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 54 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 12-7-0.
(lb) - Max Horz B=98(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) B, L, K except H=-107(LC 9), M=-157(LC 8), J=-160(LC 9)
Max Grav All reactions 250 lb or less at joint(s) B, H, L, M, K, J

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS C-M=-180/373, G-J=-180/373

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, L, K except (jt=lb) H=107, M=157, J=160.
11) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	B02	Common	3	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:09 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-fzAU2OTbBsm8uMkT6gh3CqVK1I3n6?7u4xFe9Fy7ixO

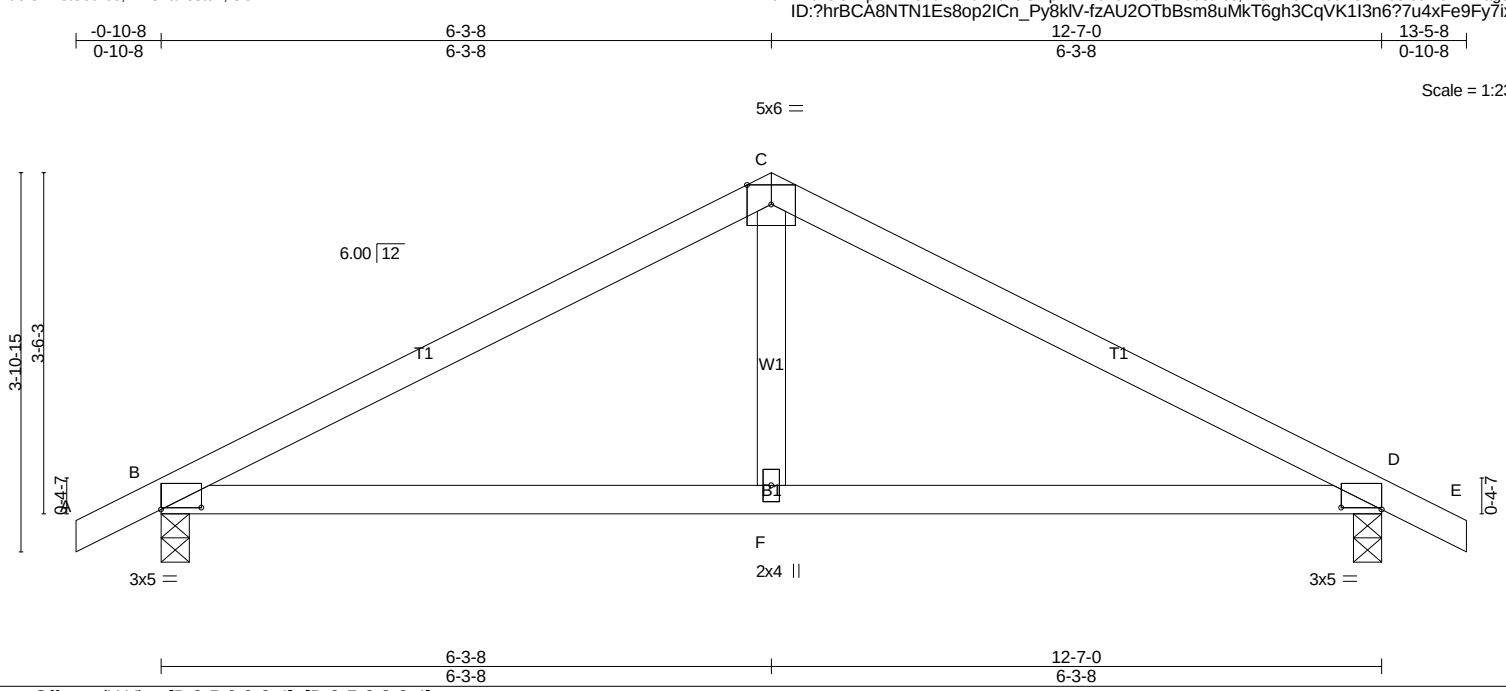


Plate Offsets (X,Y)-- [B:0-5-0,0-0-4], [D:0-5-0,0-0-4]

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	0.47	Vert(LL)	-0.02	F-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(TL)	-0.07	F-L	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.01	D	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.04	F-L	>999	240	Weight: 47 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.
BOT CHORD Rigid ceiling directly applied.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=556/0-3-8 (min. 0-1-8), D=556/0-3-8 (min. 0-1-8)
Max Horz B=-100(LC 9)
Max UpliftB=-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=-633/597, C-D=-633/597
BOT CHORD B-F=-300/497, D-F=-300/497
WEBS C-F=0/254

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) 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 is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	B03	Common Girder	2	2	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:09 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-fzAU2OTbBsm8uMkT6gh3CqVIkI?O6v?u4xFe9Fy7ixO

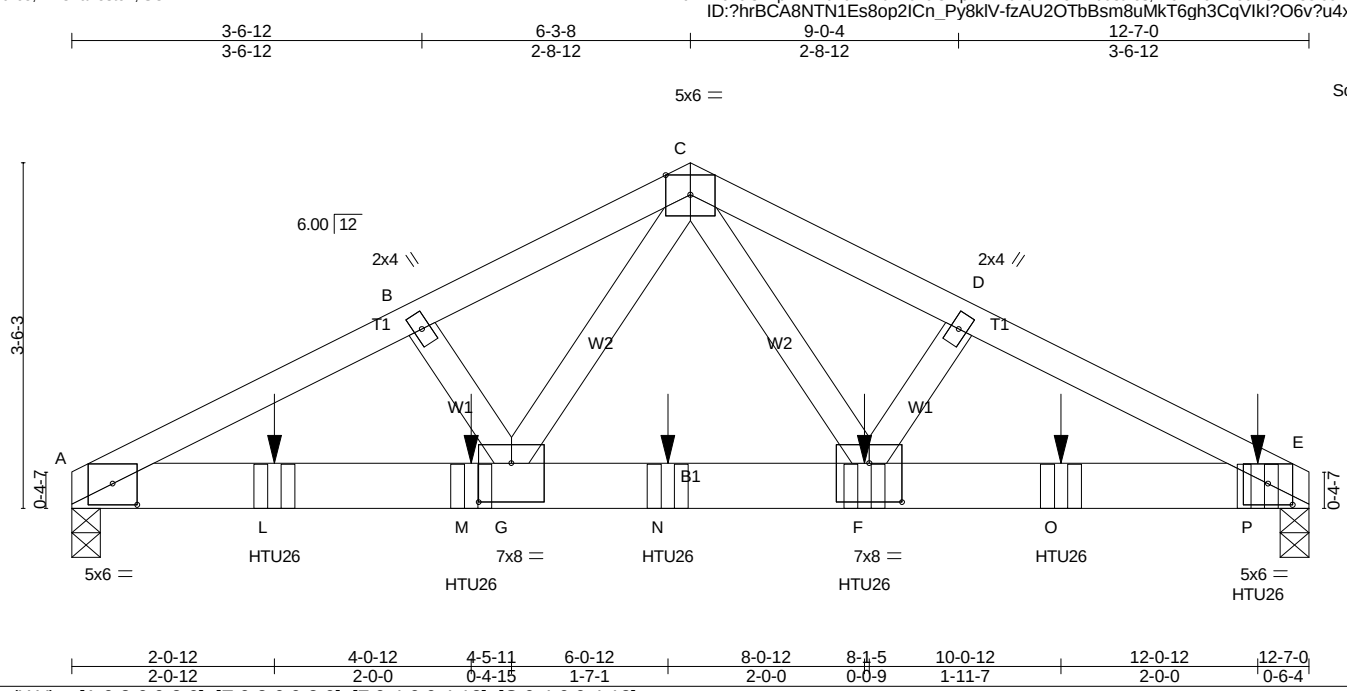


Plate Offsets (X,Y)-- [A:0-3-0,0-2-9], [E:0-3-0,0-2-9], [F:0-4-0,0-4-12], [G:0-4-0,0-4-12]

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	0.62	Vert(LL)	-0.08	F-G	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(TL)	-0.19	F-G	>789	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.49	Horz(TL)	0.04	E	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-M)		Wind(LL)	0.10	F-G	>999	240	Weight: 131 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=4332/0-3-8 (min. 0-2-9), E=5418/0-3-8 (min. 0-3-3)
Max Horz A=76(LC 5)
Max UpliftA=-1654(LC 6), E=-2067(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-7779/2972, B-C=-7688/2976, C-D=-7799/3017, D-E=-7891/3014
BOT CHORD A-L=-2672/6957, L-M=-2672/6957, G-M=-2672/6957, G-N=-1830/4954, F-N=-1830/4954, F-O=-2644/7069, E-O=-2644/7069, E-P=-2640/7063
WEBS C-F=-1557/3980, C-G=-1485/3788

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-2-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=1654, E=2067.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 12-0-12 to connect truss(es) A02 (1 ply 2x4 SP) to back face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.

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

Continued on page 2

LOAD CASE(S) Standard

Uniform Loads (plf)

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

Concentrated Loads (lb)

Vert: F=-1456(B) L=-1456(B) M=-1456(B) N=-1456(B) O=-1456(B) P=-1461(B)

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	C01	GABLE	2	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:10 2017 Page 1

ID:?hrBCA8NTN1Es8op2ICn_Py8klV-79ksFkUDyAu?VWJggNCll12a5iTArSI1Jb?Ciiy7ixN

-0-10-8 0-10-8 | 5-10-12 5-10-12 | 11-9-8 5-10-12 | 12-8-0 0-10-8

Scale = 1:21.5

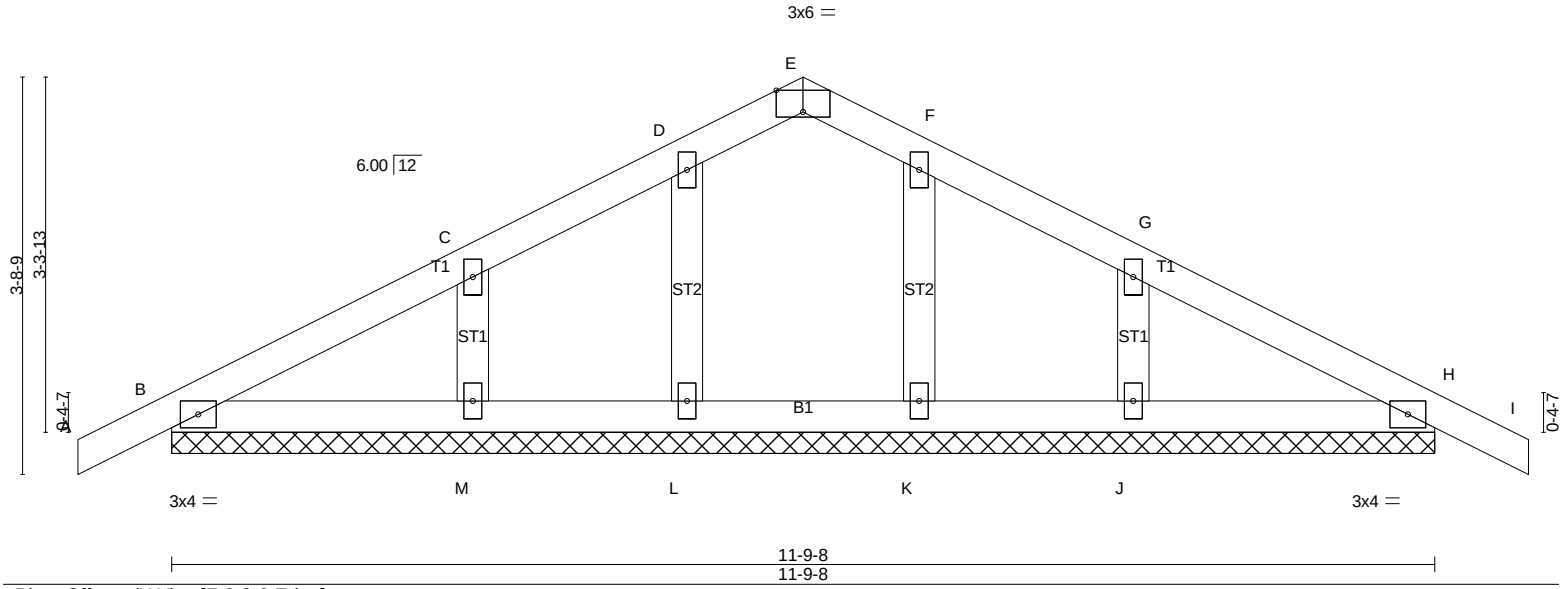


Plate Offsets (X,Y)-- [E:0-3-0,Edge]

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	0.13	Vert(LL)	0.00	H	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	0.00	I	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.00	H	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 51 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 11-9-8.
(lb) - Max Horz B=-93(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) B, L, K except H=-102(LC 9), M=-137(LC 8), J=-139(LC 9)
Max Grav All reactions 250 lb or less at joint(s) B, H, L, M, K, J

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS C-M=-159/341, G-J=-159/340

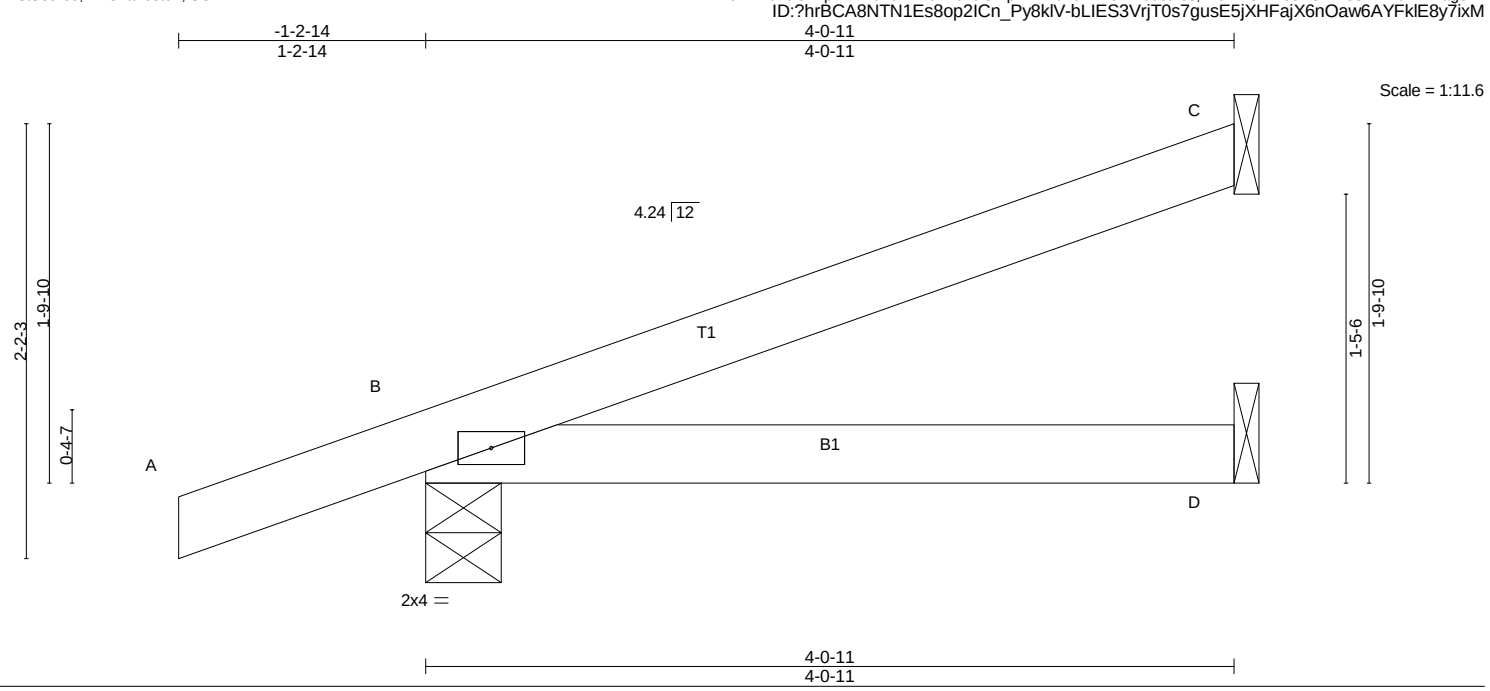
NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, L, K except (jt=lb) H=102, M=137, J=139.
11) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	CJ01	DIAGONAL HIP GIRDER	2	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:11 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-bLIES3VrjT0s7gusE5jXHFajX6nOaw6AYFklE8y7ixM



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)	-0.01	D-G	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(TL)	-0.02	D-G	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	B	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.02	D-G	>999	240	Weight: 15 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) C=93/Mechanical, B=260/0-4-9 (min. 0-1-8), D=41/Mechanical
Max Horz B=127(LC 6)
Max Uplift C=-78(LC 6), B=-179(LC 6)
Max Grav C=93(LC 1), B=260(LC 1), D=64(LC 3)

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

NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) C except (jt=lb) B=179.
7) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

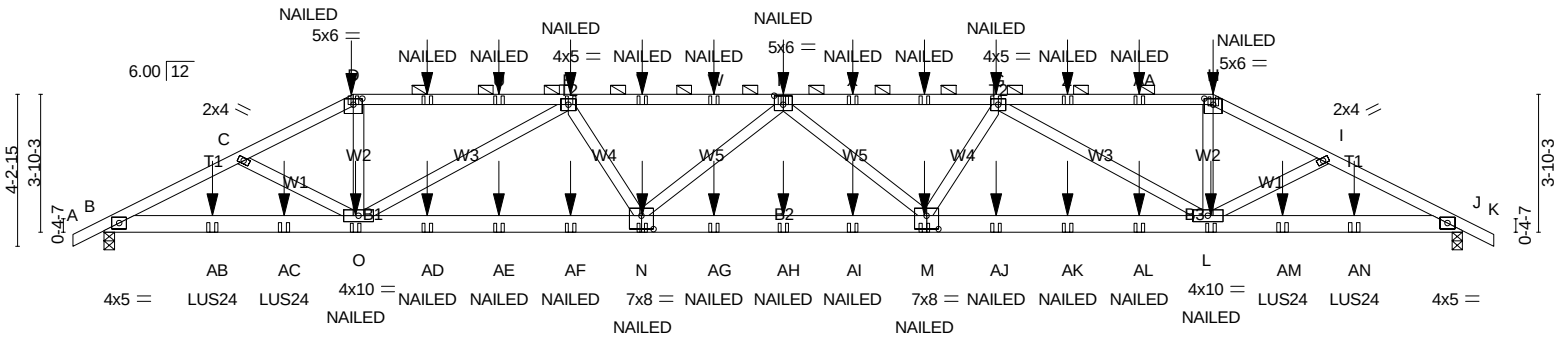
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	D01	Hip Girder	1	2	Job Reference (optional)

Builders FirstSource, N. Charleston, SC — Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:13 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-XkQ?tlW6F5HaMz2ELWl?MggzpvIw2jjT?ZDsI0y7ixK

-0-10-8	3-10-12	6-11-8	12-11-8	18-11-8	24-11-8	30-11-8	34-0-4	37-11-0	38-9-8
0-10-8	3-10-12	3-0-12	6-0-0	6-0-0	6-0-0	6-0-0	3-0-12	3-10-12	0-10-8

Scale: 3/16"=1'



3-0-4	5-0-4	6-11-8	14-11-8	22-11-8	30-11-8	32-10-12	34-10-12	37-11-0
3-0-4	2-0-0	1-11-4	8-0-0	8-0-0	8-0-0	1-11-4	2-0-0	3-0-4

Plate Offsets (X,Y)-- [D:0-3-0,0-2-0], [F:0-3-0,0-3-0], [H:0-3-0,0-2-0], [M:0-4-0,0-4-8], [N:0-4-0,0-4-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.34	M-N	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.96	Vert(TL)	-0.83	M-N	>551	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.51	Horz(TL)	0.18	J	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-M)		Wind(LL)	0.58	M-N	>783	240	Weight: 432 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
B2: 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-12 oc purlins, except 2-0-0 oc purlins (3-9-10 max.): D-H.
BOT CHORD Rigid ceiling directly applied or 7-3-4 oc bracing.

REACTIONS. (lb/size) B=3225/0-3-8 (min. 0-1-14), J=3225/0-3-8 (min. 0-1-14)
Max Horz B=-108(LC 18)
Max UpliftB=-1807(LC 6), J=-1808(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-6400/3681, C-D=-6179/3620, D-T=-5597/3326, T-U=-5597/3326, E-U=-5597/3326, E-V=-8551/5151, V-W=-8551/5151, F-W=-8551/5151, F-X=-8544/5147, X-Y=-8544/5147, G-Y=-8544/5147, G-Z=-5597/3326, Z-AA=-5597/3326, H-AA=-5597/3326, H-I=-6179/3620, I-J=-6401/3681
BOT CHORD B-AB=-3301/5715, AB-AC=-3301/5715, O-AC=-3301/5715, O-AD=-4781/7984, AD-AE=-4781/7984, AE-AF=-4781/7984, N-AF=-4781/7984, N-AG=-5270/8788, AG-AH=-5270/8788, AH-AI=-5270/8788, M-AI=-5270/8788, M-AJ=-4722/7987, AJ-AK=-4722/7987, AK-AL=-4722/7987, L-AL=-4722/7987, L-AM=-3227/5715, AM-AN=-3227/5715, J-AN=-3227/5715
WEBS C-O=-252/230, D-O=-1342/2449, E-O=-2822/1871, E-N=-591/1145, F-N=-346/332, F-M=-355/336, G-M=-589/1141, G-L=-2826/1872, H-L=-1342/2449, I-L=-252/230

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=1807, J=1808.
10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

Continued on page 2

NOTES-

13) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 27-10-8 oc max. starting at 3-0-4 from the left end to 34-10-12 to connect truss(es) J02 (1 ply 2x6 SP), J03 (1 ply 2x4 SP), J02 (1 ply 2x6 SP) to back face of bottom chord.
14) Fill all nail holes where hanger is in contact with lumber.
15) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails. For more details refer to MiTek's ST-TOENAIL Detail.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: A-D=-60, D-H=-60, H-K=-60, B-J=-20
   Concentrated Loads (lb)
      Vert: D=-22(B) F=-22(B) H=-22(B) O=-155(B) E=-22(B) N=-155(B) M=-155(B) G=-22(B) L=-155(B) T=-22(B) U=-22(B) V=-22(B) W=-22(B) X=-22(B) Y=-22(B) Z=-22(B) AA=-22(B) AB=-278(B) AC=-227(B) AD=-155(B) AE=-155(B) AF=-155(B) AG=-155(B) AH=-155(B) AI=-155(B) AJ=-155(B) AK=-155(B) AL=-155(B) AM=-227(B) AN=-278(B)

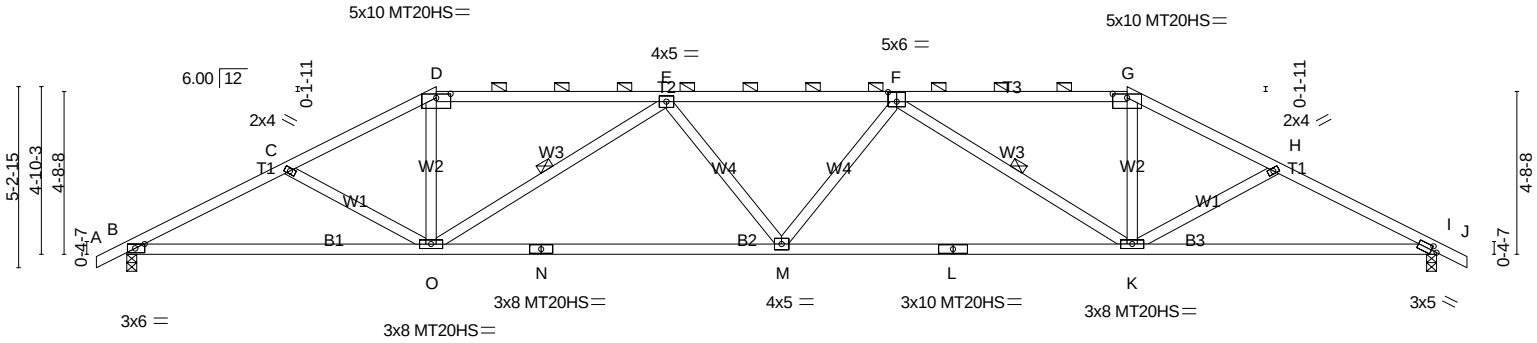
Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	D02	Hip	1	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:14 2017 Page 1
ID:?hrBCA8NTN1Es8op2lCn_Py8klV-?w_N55Xk0OPR_7dRvDGEvtC4gJcTnBbdEDzPrTy7ixJ

-0-10-8	4-8-12	8-11-8	15-7-8	22-3-8	28-11-8	33-2-4	37-11-0	38-9-8
0-10-8	4-8-12	4-2-12	6-8-0	6-8-0	6-8-0	4-2-12	4-8-12	0-10-8

Scale = 1:66.7



8-11-8	18-11-8	28-11-8	37-11-0
8-11-8	10-0-0	10-0-0	8-11-8

Plate Offsets (X,Y)-- [B:0-3-4,Edge], [D:0-5-0,0-1-7], [F:0-3-0,0-3-4], [G:0-5-0,0-1-7], [I:0-2-0,0-1-8]

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	0.86	Vert(LL)	-0.25	K-M	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	1.00	Vert(TL)	-0.79	K-M	>574	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(TL)	0.20	I	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.39	M	>999	240	Weight: 184 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B2: 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (2-9-8 max.): D-G.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt E-O, F-K

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1569/0-3-8 (min. 0-1-14), I=1569/0-3-8 (min. 0-1-14)
Max Horz B=-129(LC 9)
Max UpliftB=-526(LC 7), I=-526(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2821/2464, C-D=-2610/2263, D-E=-2296/2117, E-F=-3205/2813, F-G=-2297/2117, G-H=-2611/2262, H-I=-2821/2463
BOT CHORD B-O=-2017/2457, N-O=-2404/3124, M-N=-2404/3124, L-M=-2405/3124, K-L=-2405/3124, I-K=-2020/2457
WEBS C-O=-162/392, D-O=-554/792, E-O=-1067/890, E-M=0/266, F-M=0/265, F-K=-1066/890, G-K=-554/792, H-K=-161/392

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=526, I=526.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

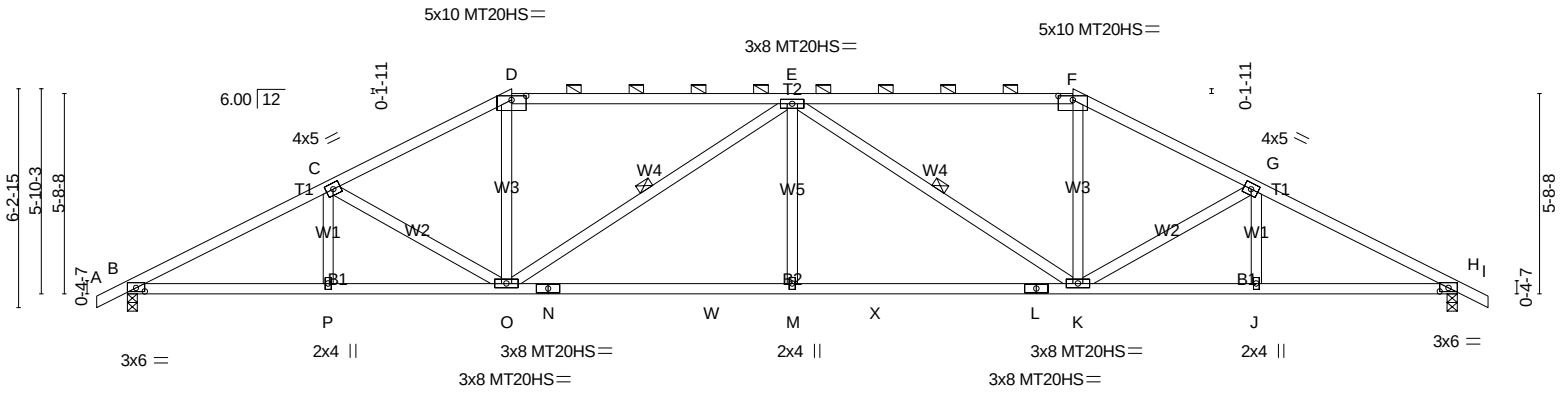
Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	D03	Hip	1	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:14 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-?w_N55Xk0OPR_7dRvDGEvtC6KJeVnBndEDzPrTy7ixJ

-0-10-8	5-8-12	10-11-8	18-11-8	26-11-8	32-2-4	37-11-0	38-9-8
0-10-8	5-8-12	5-2-12	8-0-0	8-0-0	5-2-12	5-8-12	0-10-8

Scale = 1:65.7



5-8-12	10-11-8	18-11-8	26-11-8	32-2-4	37-11-0
5-8-12	5-2-12	8-0-0	8-0-0	5-2-12	5-8-12

Plate Offsets (X,Y)-- [B:0-3-0,0-1-4], [D:0-5-0,0-1-7], [F:0-5-0,0-1-7], [H:0-3-0,0-1-4]

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	0.75	Vert(LL)	-0.20	M	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(TL)	-0.56	K-M	>813	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(TL)	0.19	H	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.31	M	>999	240	Weight: 195 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T2: 2x4 SP No.1
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (3-3-14 max.): D-F.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt E-O, E-K

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1569/0-3-8 (min. 0-1-14), H=1569/0-3-8 (min. 0-1-14)
Max Horz B=-151(LC 9)
Max UpliftB=-544(LC 8), H=-544(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2813/2396, C-D=-2467/2191, D-E=-2148/2069, E-F=-2148/2068, F-G=-2467/2191, G-H=-2813/2396
BOT CHORD B-P=-1937/2444, O-P=-1937/2444, N-O=-1960/2690, N-W=-1960/2690, M-W=-1960/2690, M-X=-1960/2690, L-X=-1960/2690, K-L=-1960/2690, J-K=-1940/2444, H-J=-1940/2444
WEBS C-O=-332/477, D-O=-463/675, E-O=-777/536, E-M=0/347, E-K=-777/536, F-K=-463/675, G-K=-332/477

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=544, H=544.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

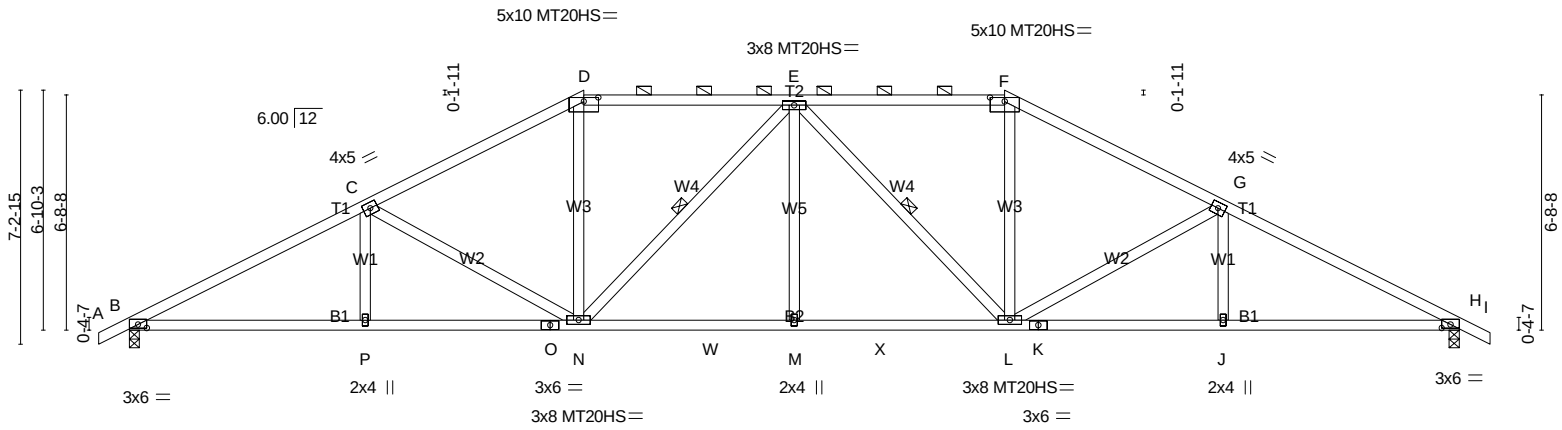
Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	D04	Hip	1	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:15 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-T7YlIRYMniXlcHCdTxnTR4lGXj1bWdsmStiyNvy7ixI

-0-10-8	6-8-12	12-11-8	18-11-8	24-11-8	31-2-4	37-11-0	38-9-8
0-10-8	6-8-12	6-2-12	6-0-0	6-0-0	6-2-12	6-8-12	0-10-8

Scale = 1:65.7



6-8-12	12-11-8	18-11-8	24-11-8	31-2-4	37-11-0
6-8-12	6-2-12	6-0-0	6-0-0	6-2-12	6-8-12

Plate Offsets (X,Y)-- [B:0-3-0,0-1-4], [D:0-5-0,0-1-7], [F:0-5-0,0-1-7], [H:0-3-0,0-1-4]

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	0.79	Vert(LL)	-0.17	M	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(TL)	-0.44	L-M	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(TL)	0.18	H	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.27	M	>999	240	Weight: 203 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 2-0-0 oc purlins (3-9-7 max.): D-F.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt E-N, E-L

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1569/0-3-8 (min. 0-1-14), H=1569/0-3-8 (min. 0-1-14)
Max Horz B=-173(LC 9)
Max UpliftB=-572(LC 8), H=-572(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2793/2394, C-D=-2302/2100, D-E=-1981/1996, E-F=-1981/1996, F-G=-2302/2099, G-H=-2793/2393
BOT CHORD B-P=-1916/2421, O-P=-1916/2421, N-O=-1916/2421, N-W=-1550/2230, M-W=-1550/2230, M-X=-1550/2230, L-X=-1550/2230, K-L=-1919/2421, J-K=-1919/2421, H-J=-1919/2421
WEBS C-N=-500/645, D-N=-462/643, E-N=-506/295, E-M=0/295, E-L=-506/295, F-L=-462/643, G-L=-500/645

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=572, H=572.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

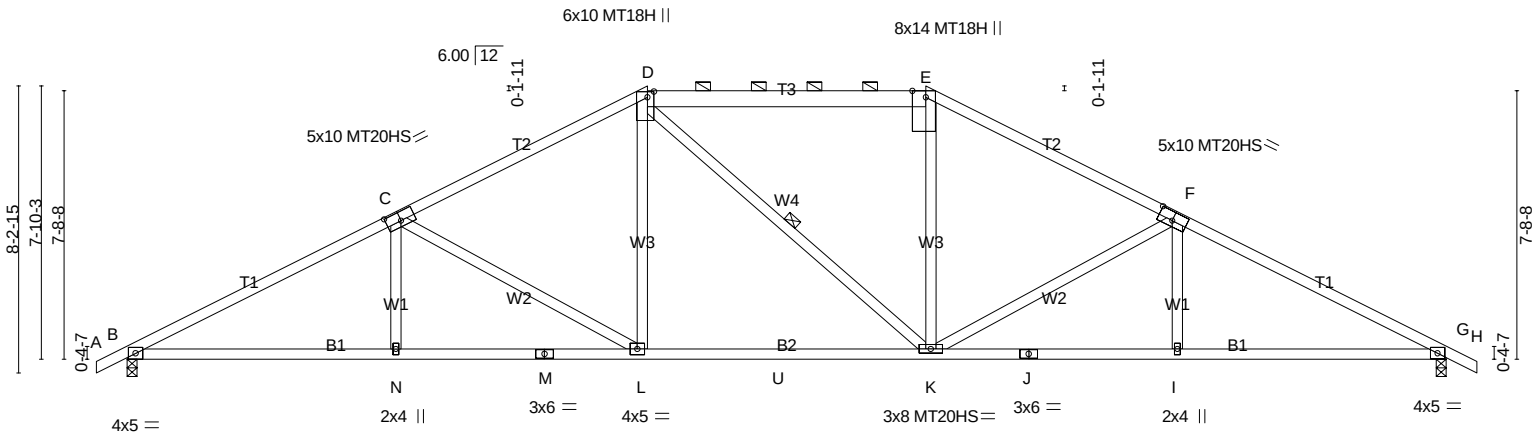
Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	D05	Hip	1	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:16 2017 Page 1
ID:?hrBCA8NTN1Es8op2lCn_Py8klV-yJ57WnZ_Y0f9DRnp1eJi_IIP47L4F0dwhXSWvLy7ixH

-0-10-8	7-8-12	14-11-8	22-11-8	30-2-4	37-11-0	38-9-8
0-10-8	7-8-12	7-2-12	8-0-0	7-2-12	7-8-12	0-10-8

Scale = 1:66.2



7-8-12	14-11-8	22-11-8	30-2-4	37-11-0
7-8-12	7-2-12	8-0-0	7-2-12	7-8-12

Plate Offsets (X,Y)-- [C:0-5-0,0-3-0], [D:0-2-0,0-2-4], [E:0-2-4,Edge], [F:0-5-0,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.22	K-L	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.80	Vert(TL)	-0.55	K-L	>826	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(TL)	0.17	G	n/a	n/a	MT18H	244/190
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.24	L	>999	240	Weight: 199 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T3: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-9-2 max.): D-E.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt D-K

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1569/0-3-8 (min. 0-1-14), G=1569/0-3-8 (min. 0-1-14)
Max Horz B=-195(LC 9)
Max UpliftB=-596(LC 8), G=-596(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2738/2363, C-D=-2147/2007, D-E=-1833/1939, E-F=-2148/2007, F-G=-2738/2362
BOT CHORD B-N=-1862/2361, M-N=-1863/2358, L-M=-1863/2358, L-U=-1191/1832, K-U=-1191/1832, J-K=-1865/2358, I-J=-1865/2358, G-I=-1864/2361
WEBS C-N=0/272, C-L=-601/768, D-L=-286/529, E-K=-285/528, F-K=-600/768, F-I=0/272

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=596, G=596.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

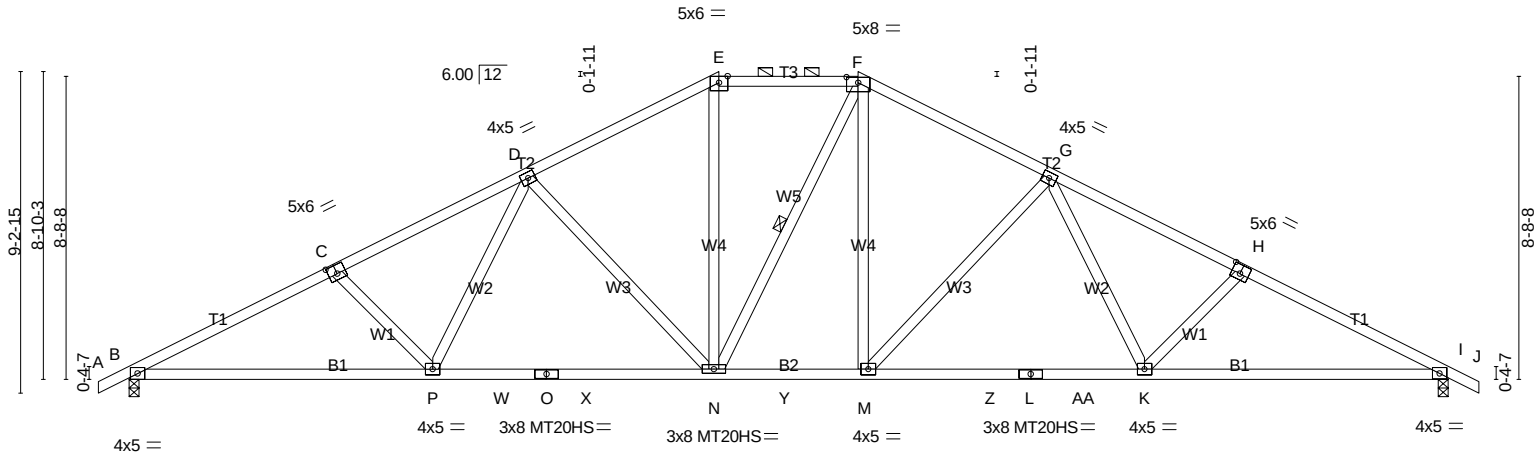
Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	D06	Hip	1	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:16 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-yJ57WnZ_Y0f9DRnp1eJi_IIS77KWF1TwhXSWvLy7ixH

-0-10-8	5-11-13	11-5-11	16-11-8	20-11-8	26-5-5	31-11-3	37-11-0	38-9-8
0-10-8	5-11-13	5-5-13	5-5-13	4-0-0	5-5-13	5-5-13	5-11-13	0-10-8

Scale = 1:66.2



8-8-12	16-11-8	20-11-8	29-2-4	37-11-0
8-8-12	8-2-12	4-0-0	8-2-12	8-8-12

Plate Offsets (X,Y)-- [C:0-3-0,0-3-0], [F:0-4-0,0-1-15], [H:0-3-0,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.23	K-M	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(TL)	-0.57	K-M	>792	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(TL)	0.16	I	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.26	K-M	>999	240	Weight: 212 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 2-0-0 oc purlins (4-5-9 max.): E-F.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt F-N

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1569/0-3-8 (min. 0-1-14), I=1569/0-3-8 (min. 0-1-14)
Max Horz B=-217(LC 9)
Max UpliftB=-617(LC 8), I=-617(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2797/2520, C-D=-2572/2401, D-E=-1939/1974, E-F=-1663/1869, F-G=-1938/1973, G-H=-2572/2401, H-I=-2797/2520
BOT CHORD B-P=-2043/2431, P-W=-1555/2062, O-W=-1555/2062, O-X=-1555/2062, N-X=-1555/2062, N-Y=-1025/1662, M-Y=-1025/1662, M-Z=-1556/2062, L-Z=-1556/2062, L-AA=-1556/2062, K-AA=-1556/2062, I-K=-2045/2431
WEBS C-P=-290/527, D-P=-305/451, D-N=-581/770, E-N=-498/573, F-M=-499/595, G-M=-583/771, G-K=-305/452, H-K=-290/527

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=617, I=617.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

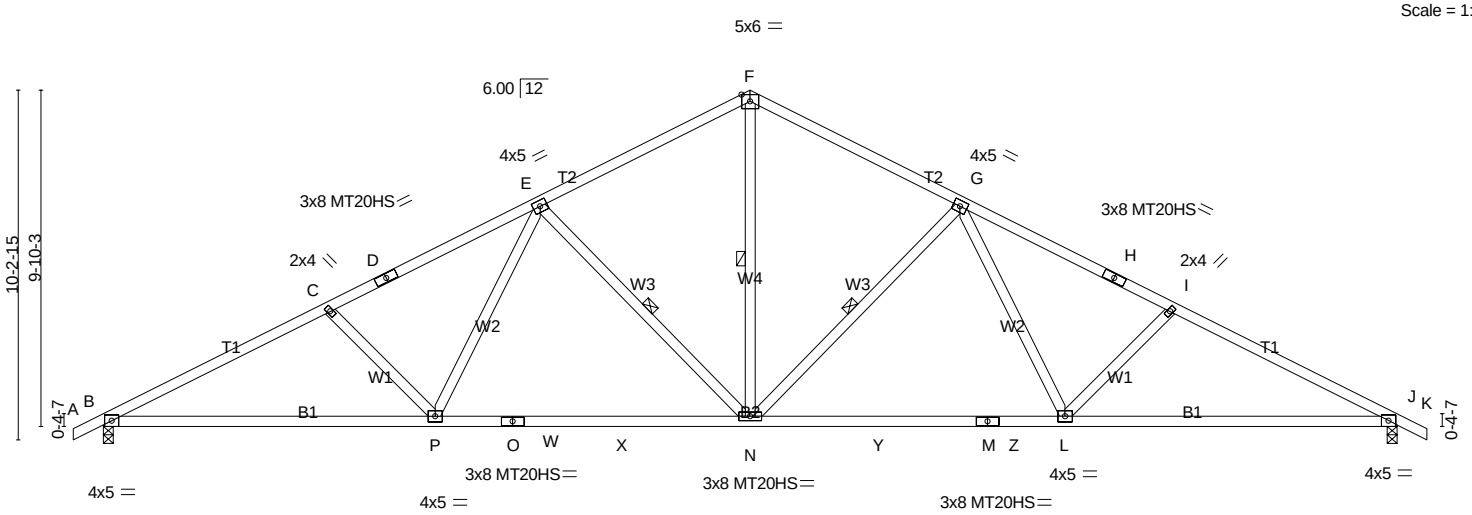
Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	D07	Common	4	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:17 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-QVfWj7ZcJJn0rbL0aMqxXVqcxWg2_W23wAB3Roy7ixG

-0-10-8	6-7-13	12-9-11	18-11-8	25-1-5	31-3-3	37-11-0	38-9-8
0-10-8	6-7-13	6-1-13	6-1-13	6-1-13	6-1-13	6-7-13	0-10-8

Scale = 1:67.5



9-8-12	18-11-8	28-2-4	37-11-0
9-8-12	9-2-12	9-2-12	9-8-12

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.27	N-P	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.88	Vert(TL)	-0.61	N-P	>743	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(TL)	0.15	J	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.27	N-P	>999	240	Weight: 196 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B2: 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt F-N, G-N, E-N

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1569/0-3-8 (min. 0-1-14), J=1569/0-3-8 (min. 0-1-14)
Max Horz B=-241(LC 9)
Max UpliftB=-635(LC 8), J=-635(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2758/2527, C-D=-2497/2351, D-E=-2416/2382, E-F=-1767/1873, F-G=-1767/1873, G-H=-2416/2381, H-I=-2497/2351, I-J=-2758/2527
BOT CHORD B-P=-2037/2392, P-W=-1464/1960, O-W=-1464/1960, O-X=-1464/1960, N-X=-1464/1960, N-Y=-1464/1960, M-Y=-1464/1960, M-Z=-1464/1960, L-Z=-1464/1960, J-L=-2039/2392
WEBS F-N=-1174/1188, G-N=-677/884, G-L=-358/500, I-L=-338/608, E-N=-677/884, E-P=-358/500, C-P=-338/608

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=635, J=635.
8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard

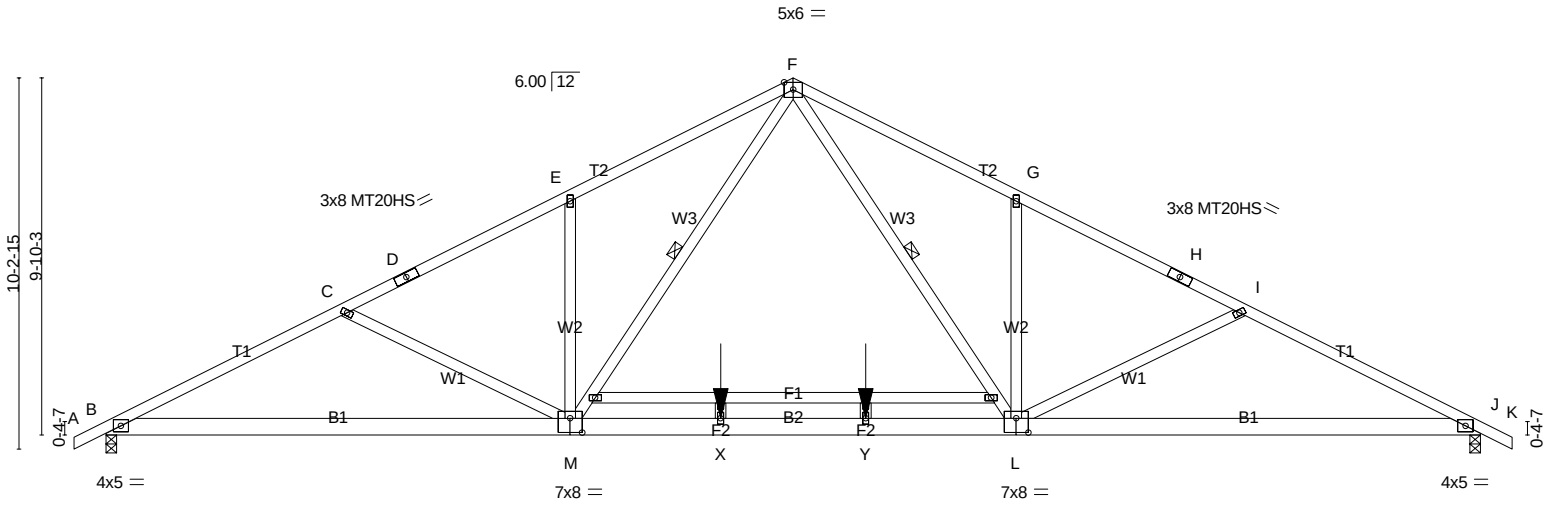
Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	D08	COMMON	6	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:18 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-uiDuwTaE4dvtTkwC83LA3jNngw?bjyZC9qxd_Ey7ixF

-0-10-8	6-7-13	12-9-11	18-11-8	25-1-5	31-3-3	37-11-0	38-9-8
0-10-8	6-7-13	6-1-13	6-1-13	6-1-13	6-1-13	6-7-13	0-10-8

Scale: 3/16"=1'



12-9-11	16-11-8	20-11-8	25-1-5	37-11-0
12-9-11	4-1-13	4-0-0	4-1-13	12-9-11

Plate Offsets (X,Y)-- [L:0-4-0,0-4-12], [M:0-4-0,0-4-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.21	M-U	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.93	Vert(TL)	-0.77	L-M	>592	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(TL)	0.13	J	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.29	L-W	>999	240	Weight: 243 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt F-L, F-M

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=1669/0-3-8 (min. 0-2-0), J=1669/0-3-8 (min. 0-2-0)
Max Horz B=241(LC 8)
Max Uplift B=-534(LC 8), J=-534(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-3082/2415, C-D=-2675/1961, D-E=-2588/1992, E-F=-2672/2332, F-G=-2672/2332, G-H=-2588/1992, H-I=-2675/1962, I-J=-3082/2415
BOT CHORD B-M=-1946/2720, M-X=-753/1679, X-Y=-753/1679, L-Y=-753/1679, J-L=-1952/2720
WEBS F-L=-943/1180, G-L=-385/688, I-L=-455/769, F-M=-943/1180, E-M=-385/688, C-M=-455/769

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 18-11-8 from left end, supported at two points, 4-0-0 apart.
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=534, J=534.
10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard

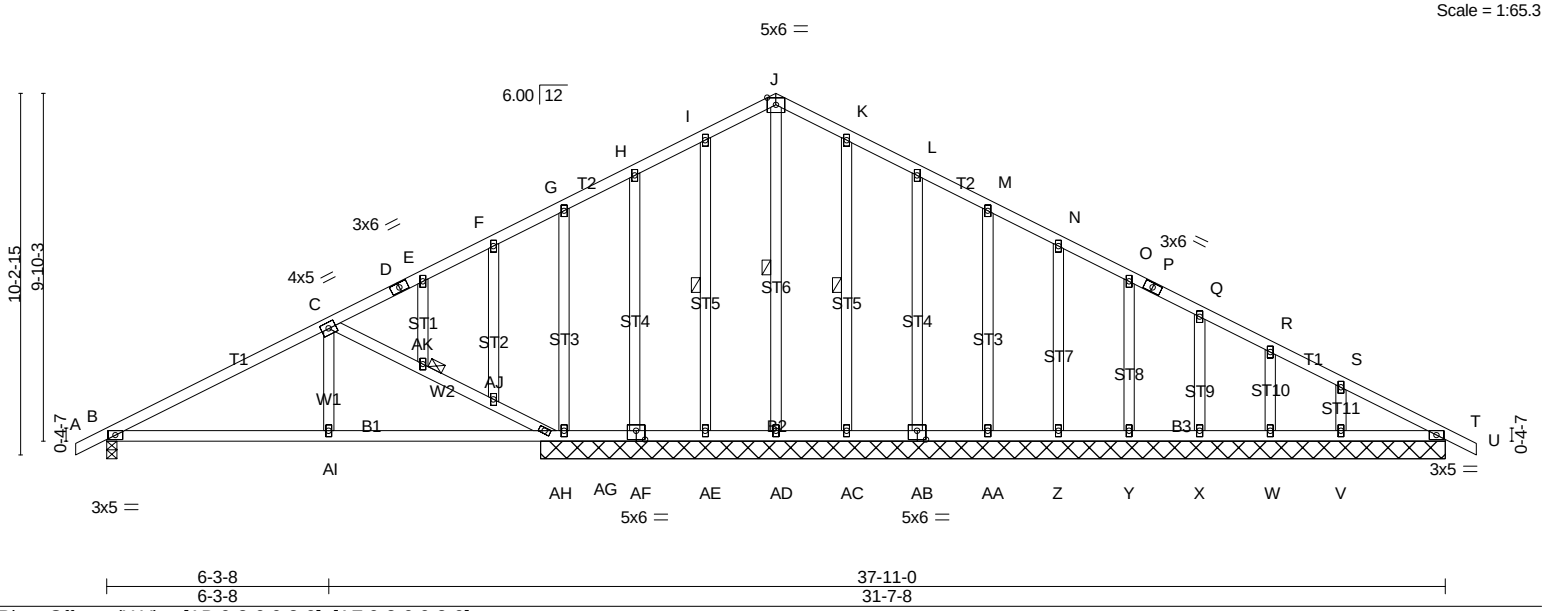
Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	D09	KINGPOST	1	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:18 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-uiDuwTaE4dvtTkwC83LA3jNqtw8ojxOC9qxd_Ey7ixF

-0-10-8 6-3-8 18-11-8 37-11-0 38-9-8
0-10-8 6-3-8 12-8-0 18-11-8 0-10-8

Scale = 1:65.3



6-3-8 37-11-0
6-3-8 31-7-8

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

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.15	TC	0.59	Vert(LL)	-0.02	AH-AI	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.34	Vert(TL)	-0.07	AI-AN	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.67	Horz(TL)	0.01	T	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007	(Matrix-S)		Wind(LL)	0.03	AI-AN	>999	240	Weight: 251 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.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt J-AD, K-AC, I-AE
JOINTS 1 Brace at Jt(s): AK

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 25-7-8 except (jt=length) B=0-3-8.
(lb) - Max Horz B=-241(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) AH, AC, W, AF, T except B=-220(LC 8), AE=-113(LC 8), AB=-110(LC 9), AA=-102(LC 9), Z=-104(LC 9), Y=-103(LC 9), X=-106(LC 9), V=-139(LC 9), AG=-435(LC 8)
Max Grav All reactions 250 lb or less at joint(s) AD, AC, AE, AB, AA, Z, Y, X, W, V, AF, AG, T, T except B=517(LC 1), AH=874(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-563/460, G-H=0/347, H-I=0/396, I-J=0/504, J-K=0/503, K-L=0/406, L-M=0/294, R-S=-259/123, S-T=-392/138
BOT CHORD B-AI=-196/441, AH-AI=-196/441, AG-AH=-94/477, AF-AG=-94/477, AE-AF=-94/477, AD-AE=-94/477, AC-AD=-94/477, AB-AC=-94/477, AA-AB=-94/477, Z-AA=-94/477, Y-Z=-94/477, X-Y=-94/477, W-X=-94/477, V-W=-94/477, T-V=-94/477
WEBS C-AK=-584/716, AJ-AK=-592/729, AH-AJ=-611/765, J-AD=-256/0, C-AI=0/253, S-V=-153/268, G-AG=-282/498

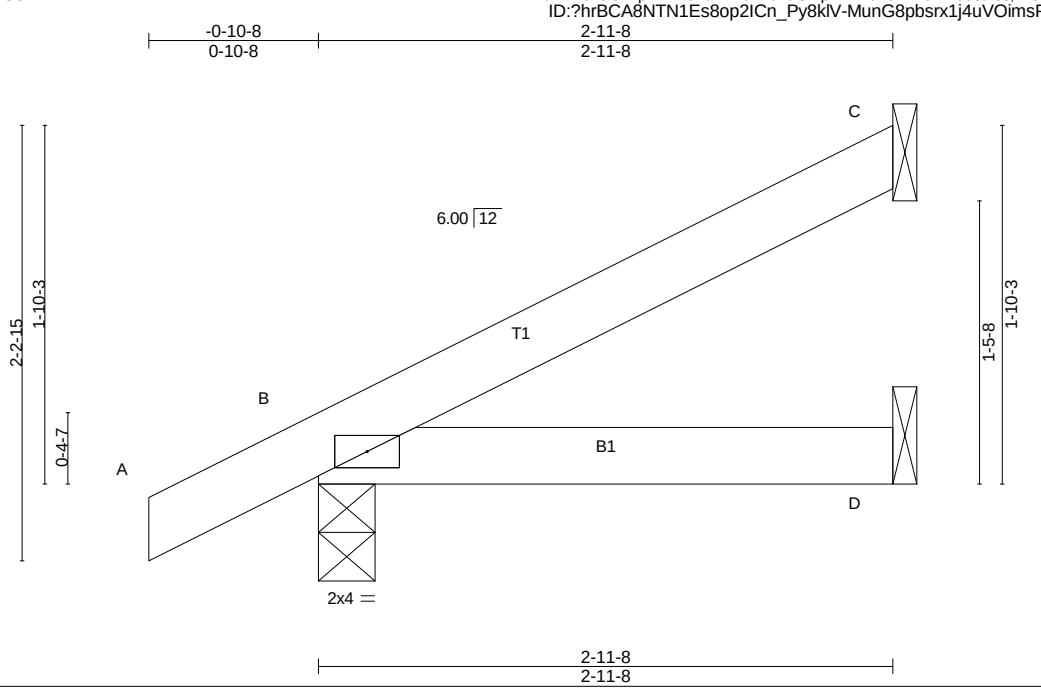
NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) 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) AH, AC, W, AF, T, T except (jt=lb) B=220, AE=113, AB=110, AA=102, Z=104, Y=103, X=106, V=139, AG=435.
8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	J01	JACK-OPEN	4	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:19 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-MunG8pbsrx1j4uVOimsPcww6dKYeSY5MNUgAWgy7ixE



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	D-G	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	-0.01	D-G	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	C	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-M)		Wind(LL)	0.01	D-G	>999	240	Weight: 11 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) C=66/Mechanical, B=188/0-3-8 (min. 0-1-8), D=30/Mechanical
Max Horz B=129(LC 8)
Max Uplift C=-65(LC 8), B=-118(LC 8)
Max Grav C=66(LC 1), B=188(LC 1), D=47(LC 3)

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

NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) C except (jt=lb) B=118.
7) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

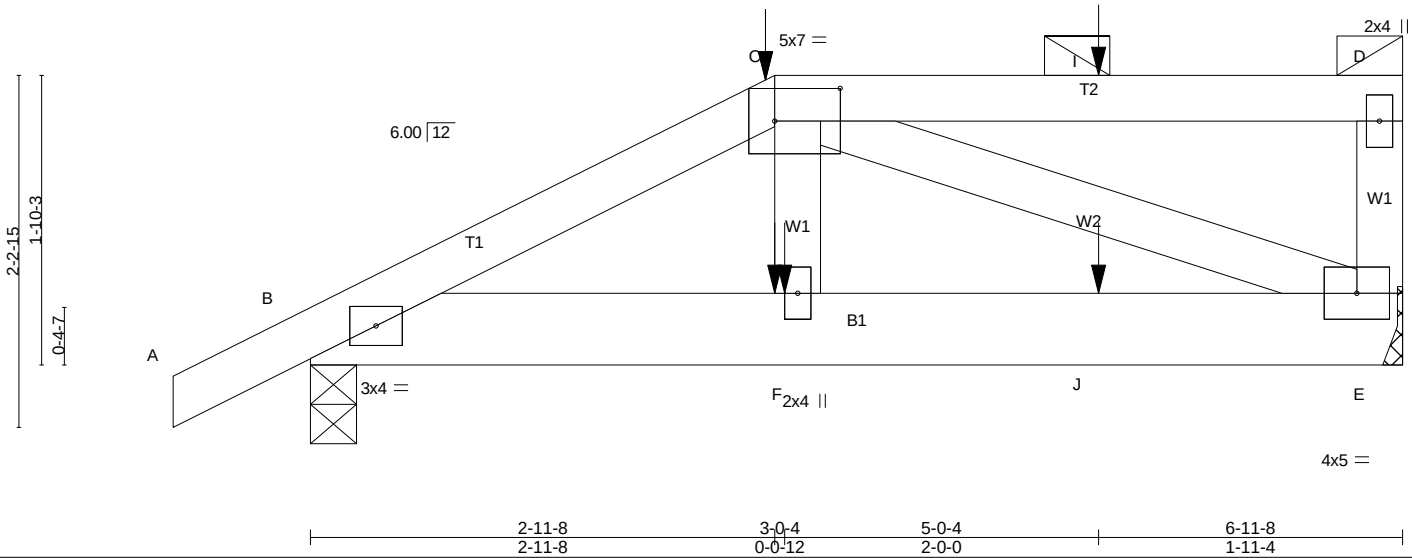
Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	J02	HALF HIP GIRDER	2	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:20 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-q4LeL8cVcE9ai24bFUNe88SG9ktfB_qVc8Qj26y7ixD

-0-10-8	2-11-8	5-0-4	6-11-8
0-10-8	2-11-8	2-0-12	1-11-4

Scale = 1:14.7



2-11-8	3-0-4	5-0-4	6-11-8
2-11-8	0-0-12	2-0-0	1-11-4

Plate Offsets (X,Y)-- [C:0-5-0,0-2-8]

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	0.22	Vert(LL)	-0.00	F	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	-0.01	F	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.10	Horz(TL)	0.00	E	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-M)		Wind(LL)	0.01	F	>999	240	Weight: 37 lb	FT = 20%

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=353/0-3-8 (min. 0-1-8), E=298/Mechanical
Max Horz B=132(LC 6)
Max Uplift B=-205(LC 6), E=-146(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-428/178
BOT CHORD B-F=-184/368, F-J=-178/378, E-J=-178/378
WEBS C-E=-356/160

NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
3) Provide adequate drainage to prevent water ponding.
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) B=205, E=146.
8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 18 lb down and 80 lb up at 2-11-8, and 7 lb down and 38 lb up at 5-0-4 on top chord, and 23 lb down and 6 lb up at 2-11-8, and 10 lb down at 5-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	J02	HALF HIP GIRDER	2	1	Job Reference (optional)

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: C=-14(F) F=-23(F) I=-6(F) J=-10(F)

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	J03	HALF HIP	2	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:20 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-q4LeL8cVcE9ai24bFUNe88SERkqABzEVc8Qj26y7ixD

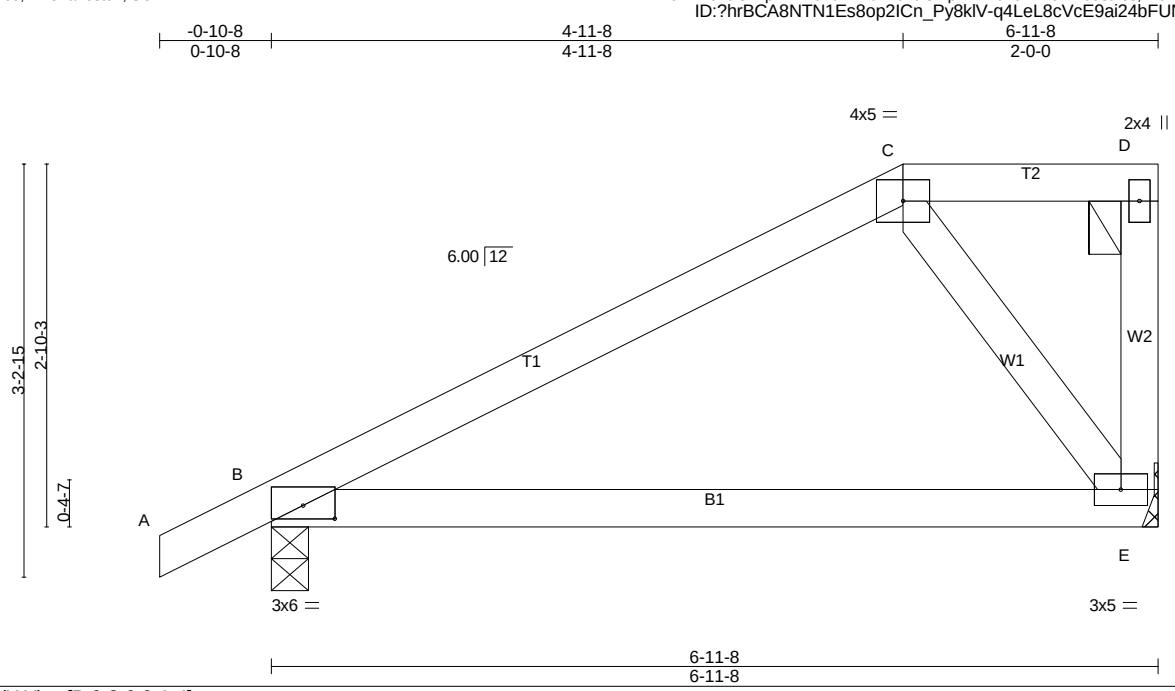


Plate Offsets (X,Y)-- [B:0-3-0,0-1-4]

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	0.33	Vert(LL)	-0.04	E-H	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(TL)	-0.11	E-H	>763	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.00	B	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.03	E-H	>999	240	Weight: 31 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, and 2-0-0 oc purlins (6-0-0 max.): C-D.
BOT CHORD Rigid ceiling directly applied.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=351/0-3-8 (min. 0-1-8), E=247/Mechanical
Max Horz B=193(LC 8)
Max Uplift B=-175(LC 8), E=-109(LC 7)
Max Grav B=351(LC 1), E=247(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD B-E=-265/138
WEBS C-E=-199/455

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
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=175, E=109.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	J04	JACK-PARTIAL	13	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:20 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-q4LeL8cVcE9ai24bFUNe88SFWkoWBzcVc8Qj26y7ixD

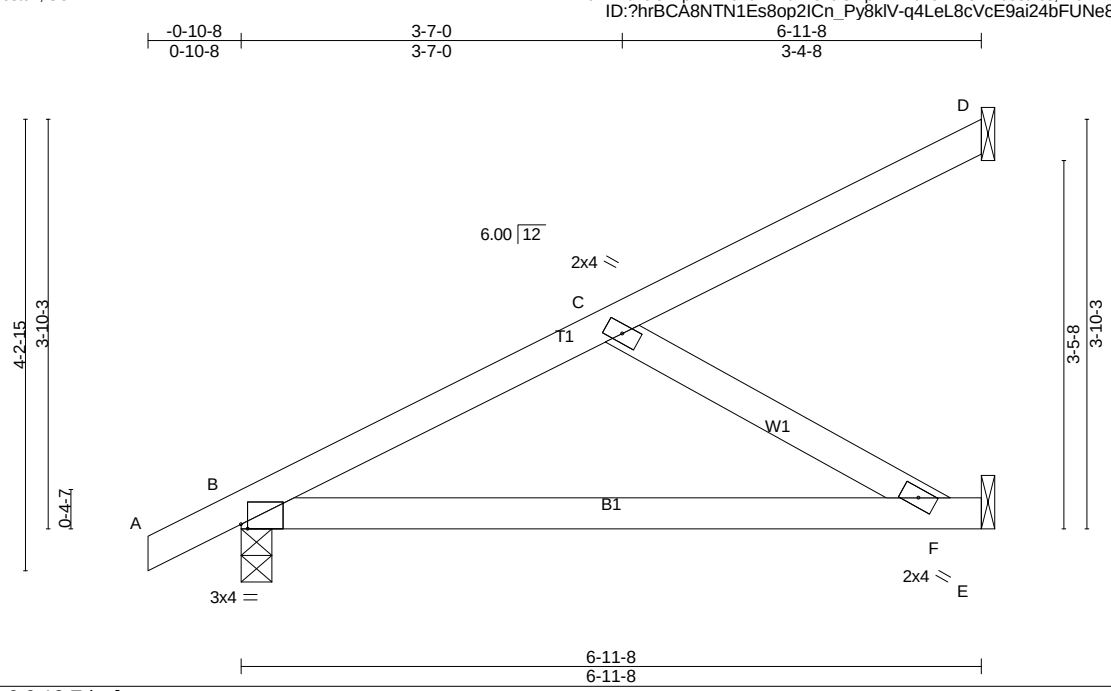


Plate Offsets (X,Y)-- [B:0-0-12,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.06	F-I	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(TL)	-0.15	F-I	>553	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(TL)	-0.00	E	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.03	F-I	>999	240	Weight: 29 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.
BOT CHORD Rigid ceiling directly applied.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) D=82/Mechanical, B=347/0-3-8 (min. 0-1-8), E=175/Mechanical
Max Horz B=250(LC 8)
Max UpliftD=-90(LC 8), B=-148(LC 8), E=-87(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-278/225
BOT CHORD B-F=-515/234
WEBS C-F=-268/588

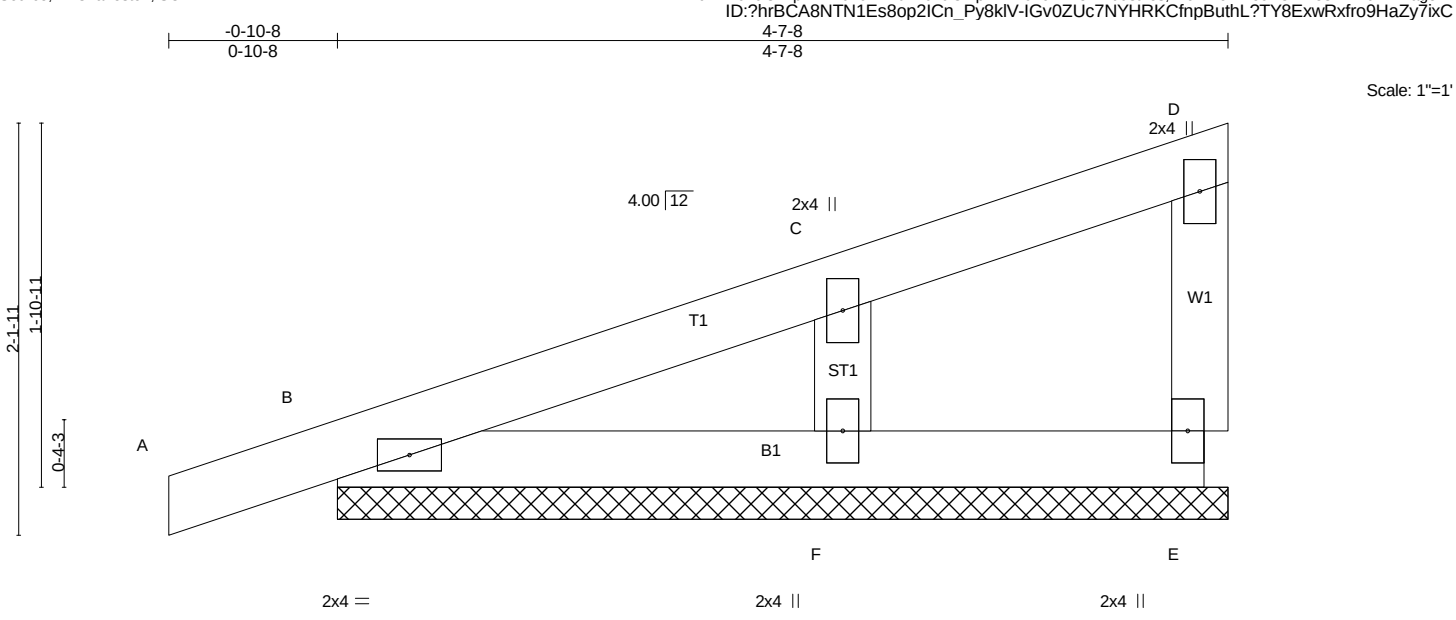
NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) D, E except (jt=lb) B=148.
7) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	M01	GABLE	2	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:21 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-IGv0ZUc7NYHRKCfnpButhL?TY8ExwRxfro9HaZy7ixC



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	A	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	0.00	A	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 18 lb	FT = 20%

LUMBER-

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

BRACING-

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) E=49/4-7-8 (min. 0-1-8), B=148/4-7-8 (min. 0-1-8), F=214/4-7-8 (min. 0-1-8)
Max Horz B=116(LC 6)
Max UpliftE=-30(LC 6), B=-104(LC 6), F=-103(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS C-F=-157/357

NOTES-

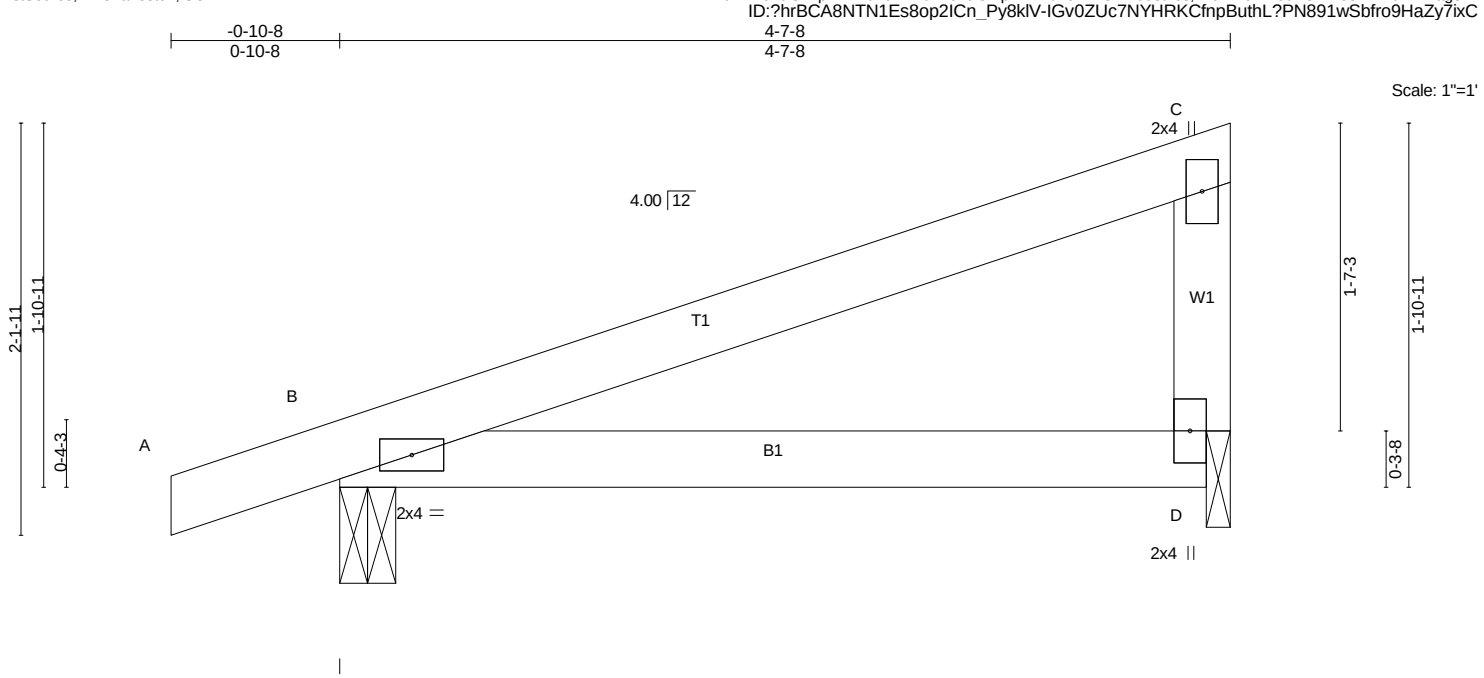
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) E except (jt=lb) B=104, F=103.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	M02	MONOPITCH	6	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:21 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-IGv0ZUc7NYHRKCfnpButhL?PN891wSbfro9HaZy7ixC



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.01	D-G	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(TL)	-0.03	D-G	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	B	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.07	D-G	>800	240	Weight: 17 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=261/0-3-8 (min. 0-1-8), D=150/0-1-8 (min. 0-1-8)
Max Horz B=118(LC 6)
Max Uplift B=-278(LC 6), D=-170(LC 6)

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

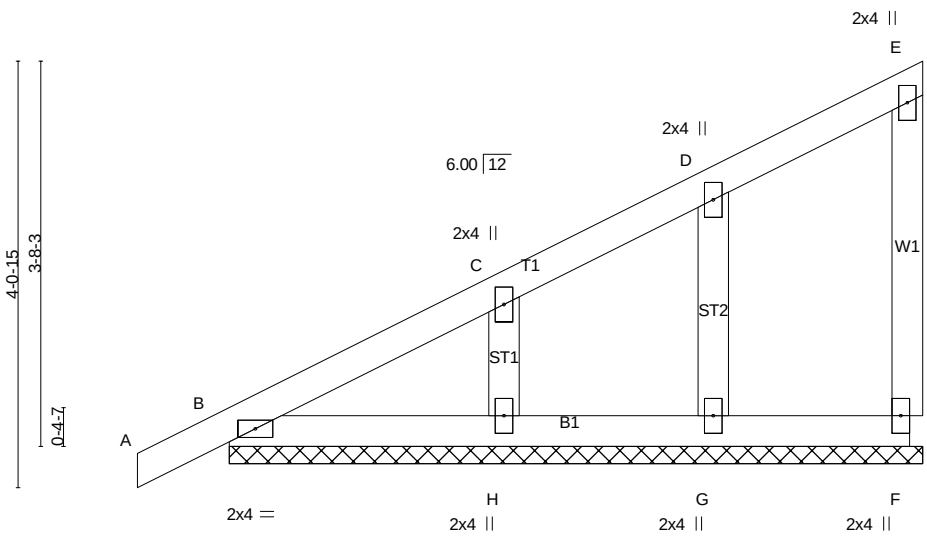
NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed 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=278, D=170.
8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	M03	GABLE	1	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:22 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-mTTOmqdl8sPIxMEzNvP6EZXeFXaDfu7o3Svq7?y7ixB



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	A	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	0.00	A	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 32 lb	FT = 20%

LUMBER-

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

BRACING-

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 6-7-8.
(lb) - Max Horz B=236(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) F, B except G=-107(LC 8), H=-120(LC 8)
Max Grav All reactions 250 lb or less at joint(s) F, B, G, H

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-381/38
WEBS D-G=-120/289, C-H=-148/372

NOTES-

1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) F, B except (jt=lb) G=107, H=120.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	M04	MONOPITCH	1	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:22 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-mTTOmqdl8sPIxMEzNvP6EZXT8XP4fvro3Svq7?y7ixB

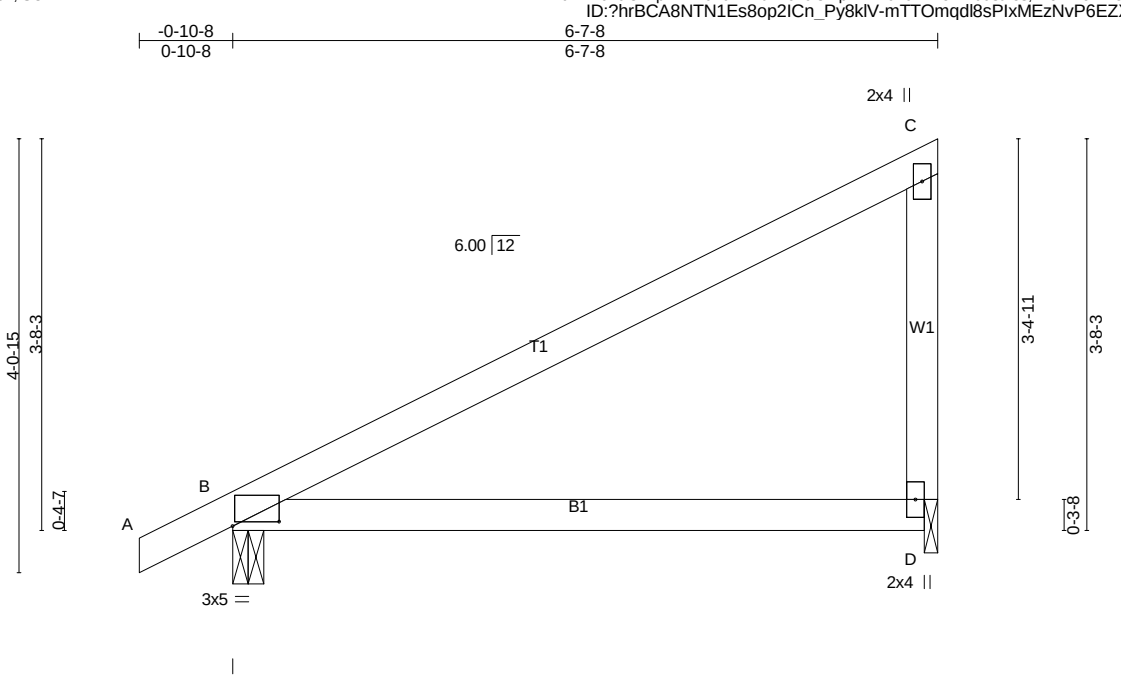


Plate Offsets (X,Y)-- [B:0-5-4,0-0-8]

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	0.83	Vert(LL)	-0.05	D-G	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(TL)	-0.13	D-G	>585	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)	0.26	D-G	>299	240	Weight: 27 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=359/0-3-8 (min. 0-1-8), D=212/0-1-8 (min. 0-1-8)
Max Horz B=238(LC 8)
Max UpliftB=-353(LC 8), D=-262(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD C-D=-152/380

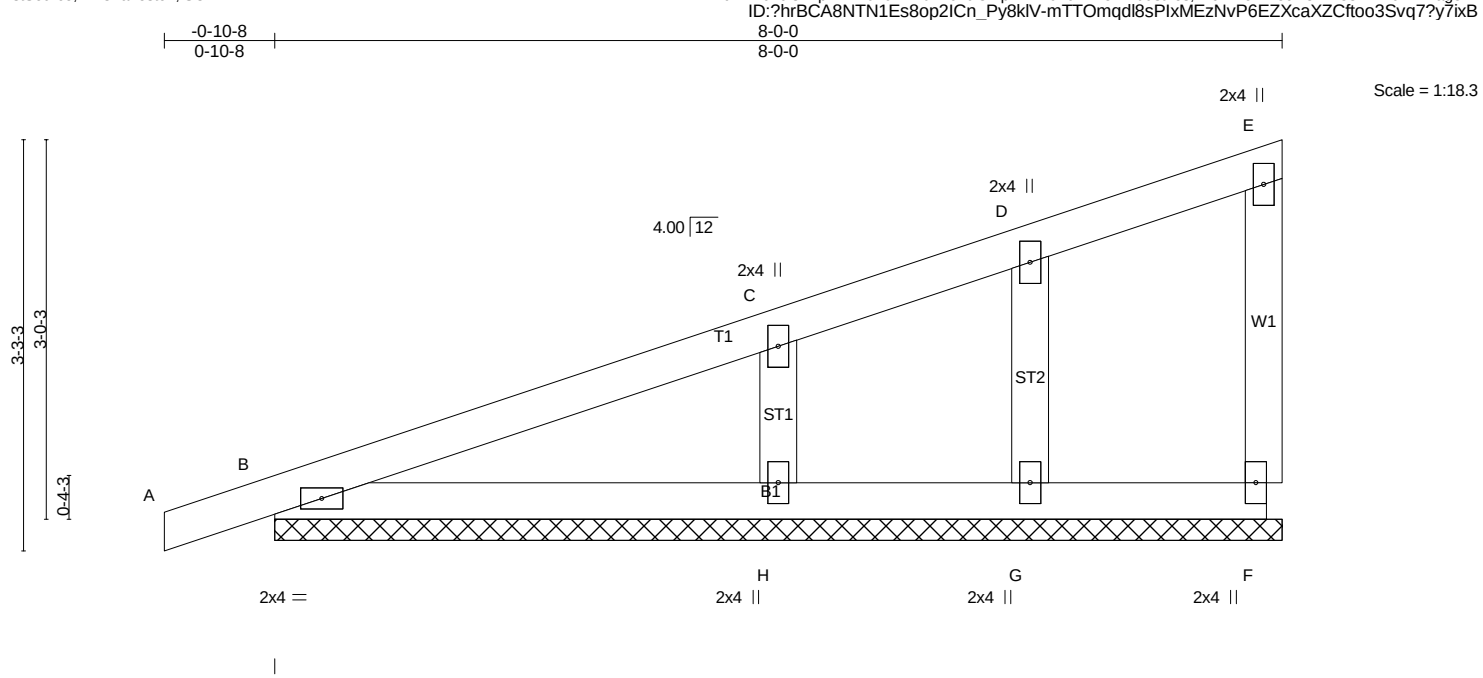
NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed 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=353, D=262.
8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	M05	GABLE	2	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:22 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-mTTOmqdl8sPIxMEzNvP6EZXcaXZCftoo3Svq7?y7ixB



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	0.00	A	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	0.01	A	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(TL)	-0.00	F	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)							Weight: 34 lb	FT = 20%

LUMBER-

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

BRACING-

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 8-0-0.
(lb) - Max Horz B=184(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) F, G except B=-101(LC 6), H=-160(LC 6)
Max Grav All reactions 250 lb or less at joint(s) F, B, G except H=314(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-255/39
WEBS C-H=-224/442

NOTES-

1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) F, G except (jt=lb) B=101, H=160.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H-NC/Dogwood/
MASTER	M06	MONOPITCH	4	1	Job Reference (optional)

Builders FirstSource, N. Charleston, SC

Run: 7.640 s Apr 22 2016 Print: 7.640 s Apr 22 2016 MiTek Industries, Inc. Mon Dec 18 14:53:23 2017 Page 1
ID:?hrBCA8NTN1Es8op2ICn_Py8klV-Ef1n_AeNu9X9ZWp9xcxLmm4gpxm_OJexI6eOfRy7ixA

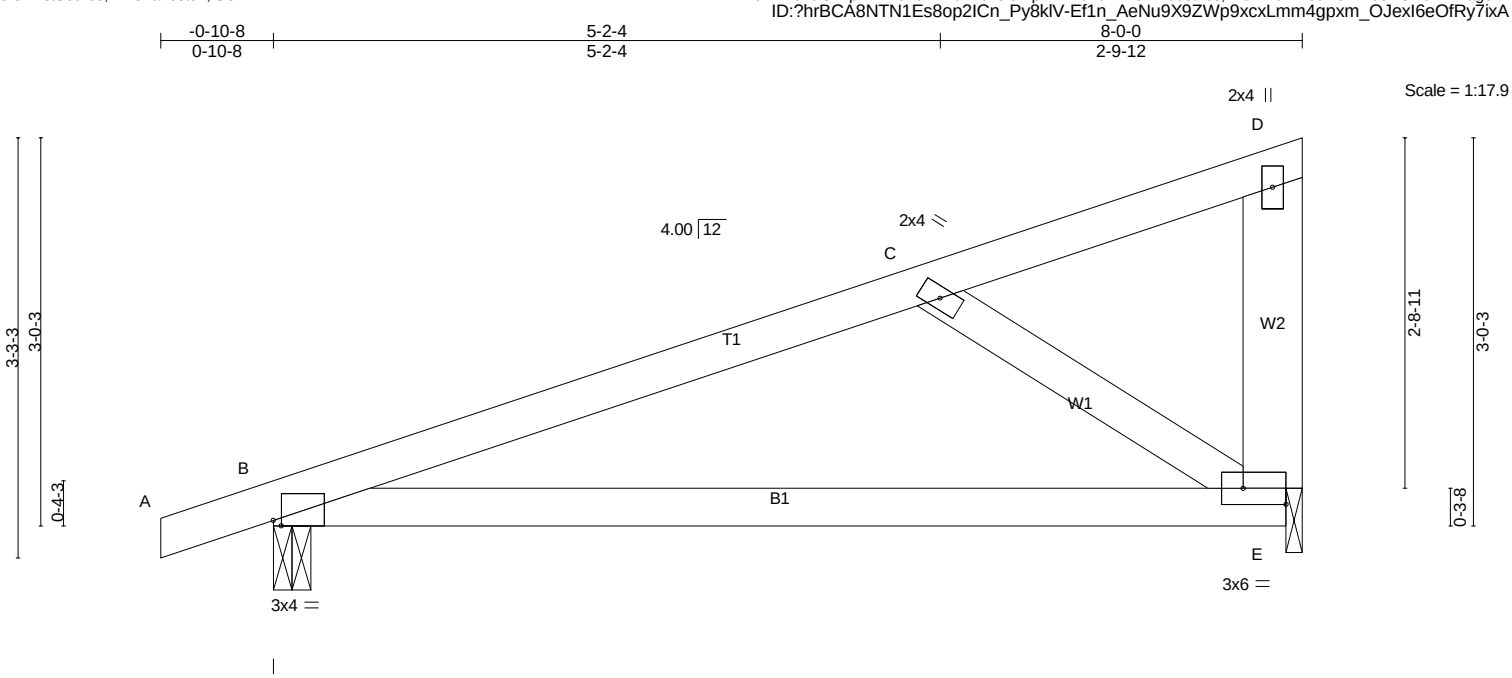


Plate Offsets (X,Y)-- [B:0-0-12,Edge], [E:Edge,0-1-8]

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	0.64	Vert(LL)	-0.06	E-H	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.66	Vert(TL)	-0.15	E-H	>626	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(TL)	-0.01	E	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix-S)		Wind(LL)	0.26	E-H	>362	240	Weight: 36 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x6 SP No.2 *Except*
W1: 2x4 SP No.3

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) B=386/0-3-8 (min. 0-1-8), E=288/0-1-8 (min. 0-1-8)
Max Horz B=184(LC 6)
Max UpliftB=-400(LC 6), E=-323(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-350/584
BOT CHORD B-E=-769/308
WEBS C-E=-327/744

NOTES-
1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; end vertical left exposed; 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) E 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) E.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=400, E=323.
8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard