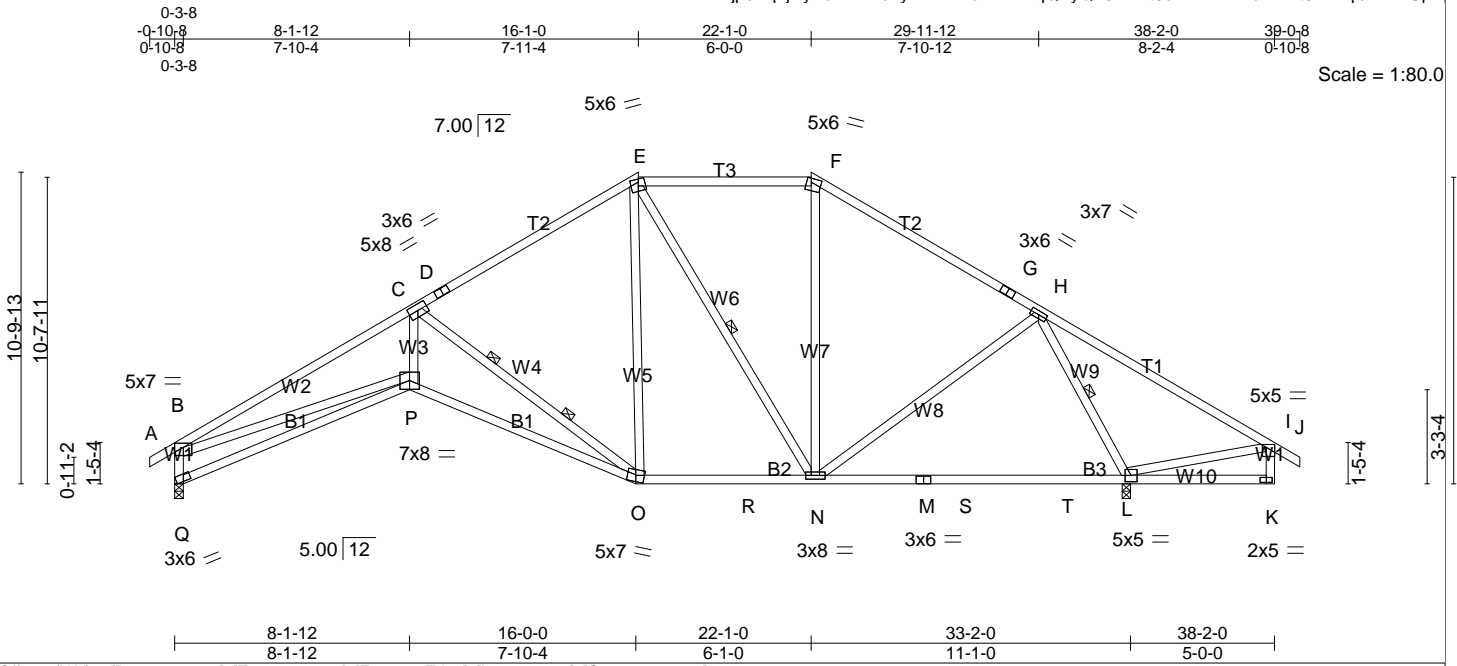


Job 69016741	Truss A1	Truss Type Piggyback Base	Qty 3	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:54:08 2019 Page 1
ID: BvjuXq2jRyKdENYXo1yWfZvZvu-HXDAqQvYQksM1Pt5uTwx7hMYa1RMt94Y7qlaFLzPUpD



Scale = 1:80.0

Plate Offsets (X,Y)-- [B:0-3-8,0-1-12], [E:0-3-0,0-2-12], [F:0-1-12,Edge], [I:0-1-8,0-1-4], [Q:0-3-13,0-0-14]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.94	Vert(LL) -0.30 L-N >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.84	Vert(CT) -0.62 L-N >637 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.92	Horz(CT) 0.31 L n/a n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-MSH			
				Weight: 239 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* T1: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-7-8 max.): E-F.
BOT CHORD 2x4 SP No.2 *Except* B1: 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-10-6 oc bracing: O-P.
WEBS 2x4 SP No.3 *Except* W4,W1,W2: 2x4 SP No.2	WEBS 1 Row at midpt E-N, H-L 2 Rows at 1/3 pts C-O

REACTIONS. (lb/size) L=1816/0-3-8 (min. 0-2-2), Q=1337/0-3-8 (min. 0-1-8)
Max Horz Q=-287(LC 8)
Max Uplift L=-195(LC 11), Q=-163(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/31, B-C=-3691/491, C-D=-1274/282, D-E=-1145/322, E-F=-871/290, F-G=-990/273, G-H=-1126/231, H-I=-232/493, I-J=0/31,
B-Q=-1398/302, I-K=-78/29
BOT CHORD P-Q=-326/589, O-P=-478/3418, O-R=-69/1039, N-R=-69/1039, M-N=0/478, M-S=0/478, S-T=0/478, L-T=0/478, K-L=-128/170
WEBS C-P=-225/2386, C-O=-2642/529, E-O=-77/499, E-N=-333/124, F-N=-23/256, H-N=-53/512, H-L=-1692/493, B-P=-220/2839, I-L=-494/461

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) Q considers parallel to grain value using ANSI/TP1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 195 lb uplift at joint L and 163 lb uplift at joint Q.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1.
 - 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



This truss is to be fabricated per ANSI/TP1 quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



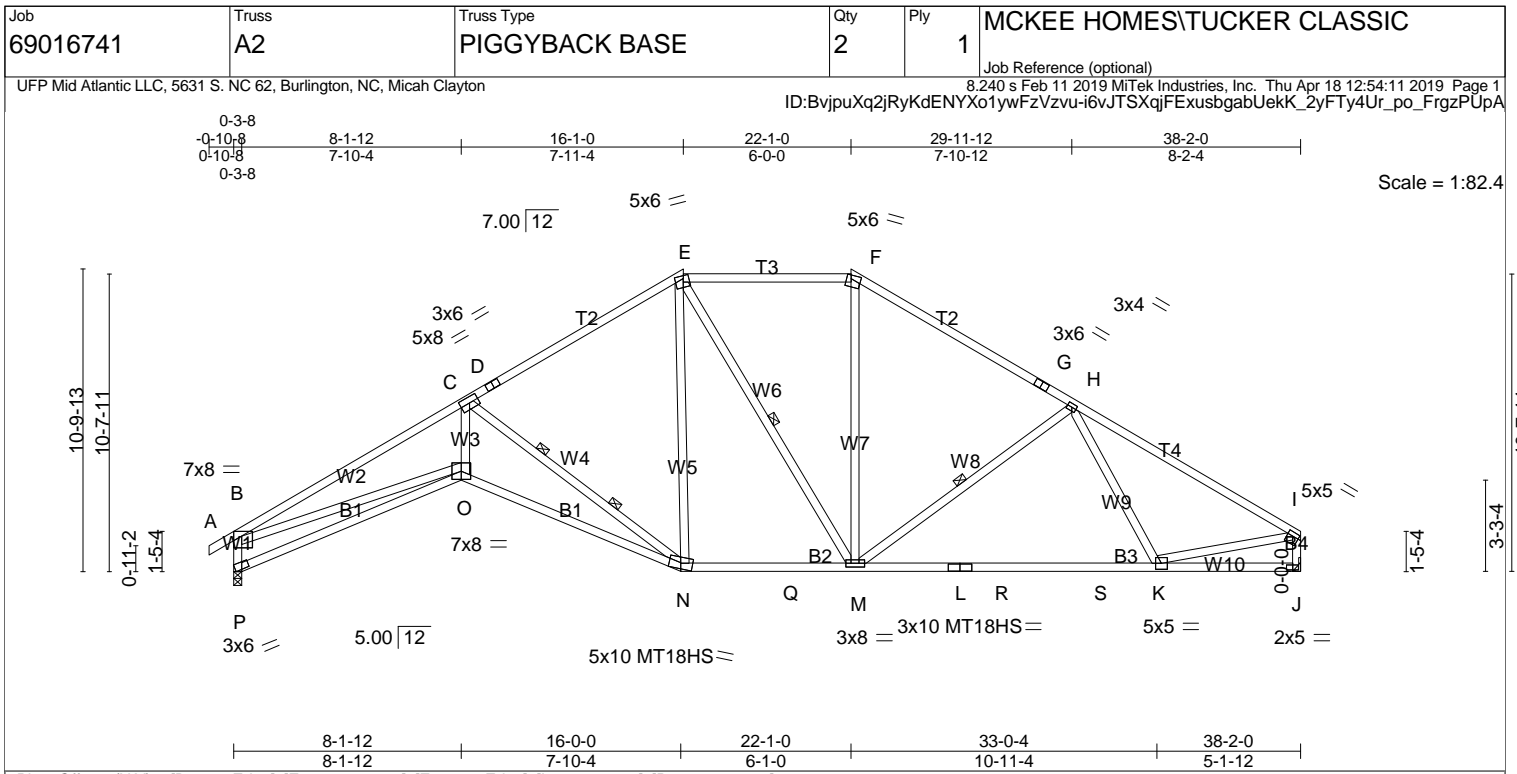


Plate Offsets (X,Y)-- [B:0-3-8,Edge], [E:0-2-12,0-2-12], [F:0-1-12,Edge], [I:0-2-4,0-1-12], [P:0-3-13,0-0-14]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.99	Vert(LL) -0.31 K-M >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.85	Vert(CT) -0.69 K-M >655 180	MT18HS	244/190
BCLL 0.0 *	Rep Stress Incr YES	WB 0.98	Horz(CT) 0.39 J n/a n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-MSH			Weight: 237 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* T1: 2x4 SP SS, T4: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-4-9 max.): E-F.
BOT CHORD 2x4 SP No.1 *Except* B4: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-1-1 oc bracing: N-O.
WEBS 2x4 SP No.2 *Except* W5,W6,W7,W9,W10: 2x4 SP No.3	WEBS 1 Row at midpt E-M, H-M 2 Rows at 1/3 pts C-N

REACTIONS. (lb/size) P=1577/0-3-8 (min. 0-1-8), J=1514/Mechanical
Max Horz P=-267(LC 8)
Max Uplift P=-169(LC 10), J=-148(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/31, B-C=-4512/723, C-D=-1697/381, D-E=-1569/422, E-F=-1369/411, F-G=-1582/414, G-H=-1719/372, H-I=-1948/317, B-P=-1621/388
BOT CHORD O-P=-306/581, N-O=-576/4061, N-Q=-82/1360, M-Q=-82/1360, L-M=-249/1678, L-R=-249/1678, R-S=-249/1678, K-S=-249/1678, J-K=-83/138, I-J=-1490/254
WEBS C-O=-292/2791, C-N=-3000/591, E-N=-76/471, E-M=-151/186, F-M=-32/503, H-M=-488/270, H-K=-190/159, B-O=-404/3579, I-K=-98/1534

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) P considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 169 lb uplift at joint P and 148 lb uplift at joint J.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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 69016741	Truss A3	Truss Type Piggyback Base	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton
 8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:54:14 2019 Page 1
 ID: BvjuXq2jRyKdENYXo1ywFzVzvu-6haS5Taj?AcVIKKFFj1LMycbDSWSHxxQVmcVs?zPU97

0-3-8	8-2-4	16-1-0	22-1-0	29-11-12	38-2-0
0-3-8	7-10-12	7-10-12	6-0-0	7-10-12	8-2-4

Scale = 1:78.4

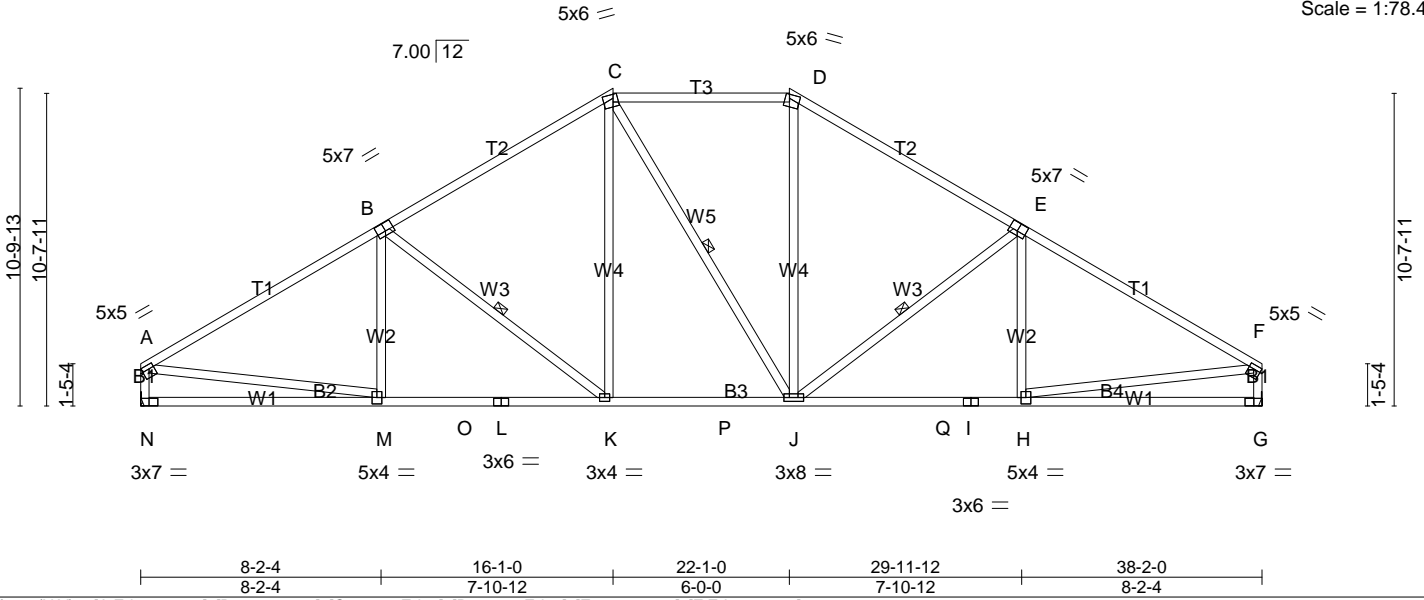


Plate Offsets (X,Y)-- [A:Edge,0-1-12], [B:0-3-8,0-3-4], [C:0-1-12,Edge], [D:0-1-12,Edge], [E:0-3-8,0-3-4], [F:Edge,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.86	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.73	Vert(LL) -0.12 J-K >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.64	Vert(CT) -0.24 K-M >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MSH	Horz(CT) 0.06 G n/a n/a		
	Code IRC2015/TP12014			Weight: 240 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* T1: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-2-14 max.): C-D.
BOT CHORD 2x4 SP No.2 *Except* B1: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt B-K, C-J, E-J

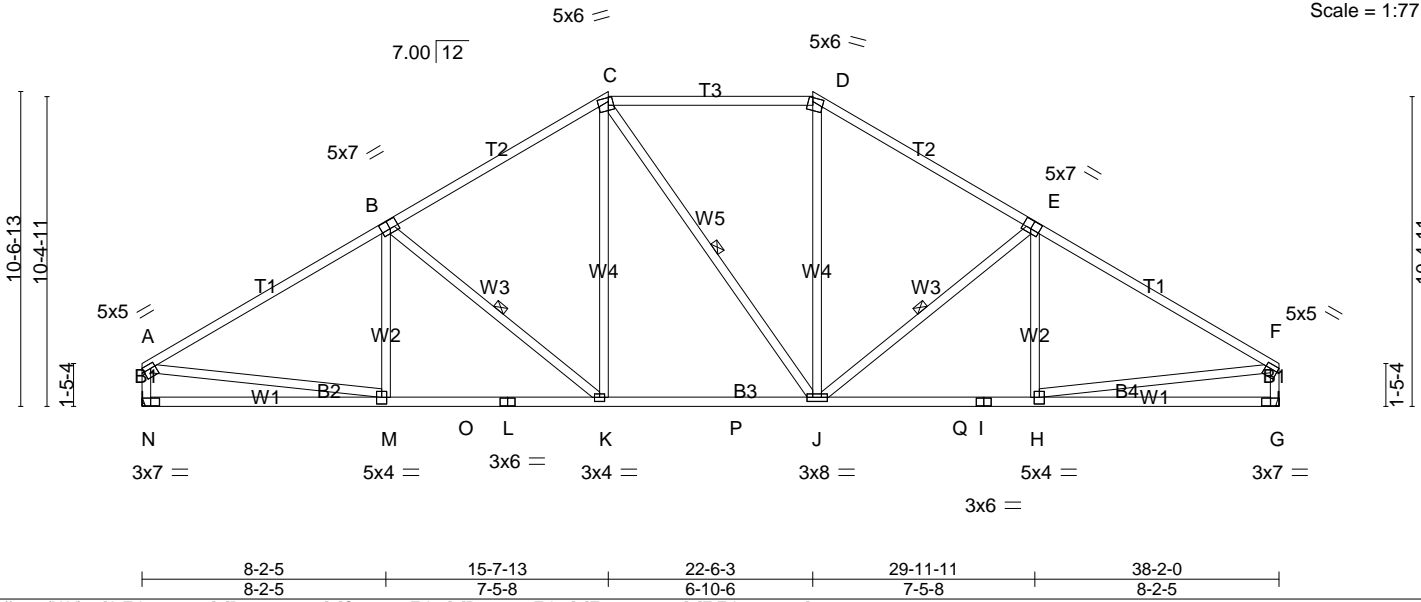
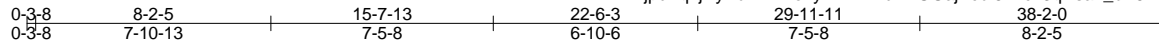
REACTIONS. (lb/size) N=1515/Mechanical, G=1515/Mechanical
 Max Horz N=228(LC 7)
 Max Uplift N=148(LC 10), G=-148(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-2086/375, B-C=-1708/418, C-D=-1362/414, D-E=-1709/418, E-F=-2085/375
 BOT CHORD M-N=-233/363, M-O=-235/1827, L-O=-235/1827, K-L=-235/1827, K-P=-78/1392, J-P=-78/1392, J-Q=-227/1708, I-Q=-227/1708, H-I=-227/1708, G-H=-56/194, A-N=-1439/287, F-G=-1439/287
 WEBS B-M=-61/172, B-K=-541/238, C-K=-65/568, C-J=-168/169, D-J=-35/506, E-J=-543/238, E-H=-62/171, A-M=-173/1544, F-H=-173/1534

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint N and 148 lb uplift at joint G.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) 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





Scale = 1:77.3

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.92	Vert(LL) -0.15 J-K >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.71	Vert(CT) -0.27 J-K >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.63	Horz(CT) 0.06 G n/a n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-MSH			
				Weight: 239 lb	FT = 20%

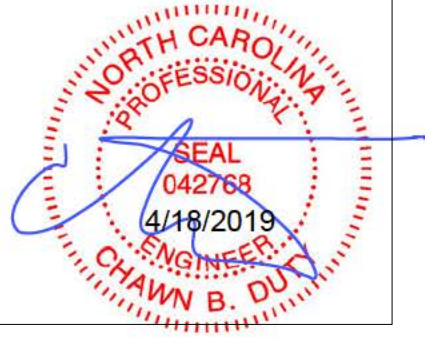
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* T1: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (2-2-0 max.): C-D.
BOT CHORD 2x4 SP No.2 *Except* B1: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt B-K, C-J, E-J

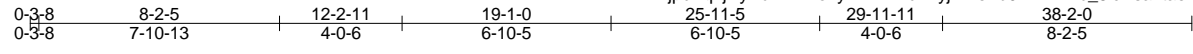
REACTIONS. (lb/size) N=1515/Mechanical, G=1515/Mechanical
Max Horz N=222(LC 7)
Max Uplift N=145(LC 10), G=-145(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-2081/377, B-C=-1728/422, C-D=-1386/415, D-E=-1728/422, E-F=-2080/377
BOT CHORD M-N=-228/367, M-O=-227/1809, L-O=-227/1809, K-L=-227/1809, K-P=-88/1410, J-P=-88/1410, J-Q=-227/1702, I-Q=-227/1702, H-I=-227/1702, G-H=-58/203, A-N=-1437/289, F-G=-1437/289
WEBS B-M=-67/159, B-K=-505/231, C-K=-62/577, C-J=-163/164, D-J=-30/504, E-J=-509/231, E-H=-67/158, A-M=-171/1533, F-H=-171/1521

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint N and 145 lb uplift at joint G.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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





Scale = 1:75.7

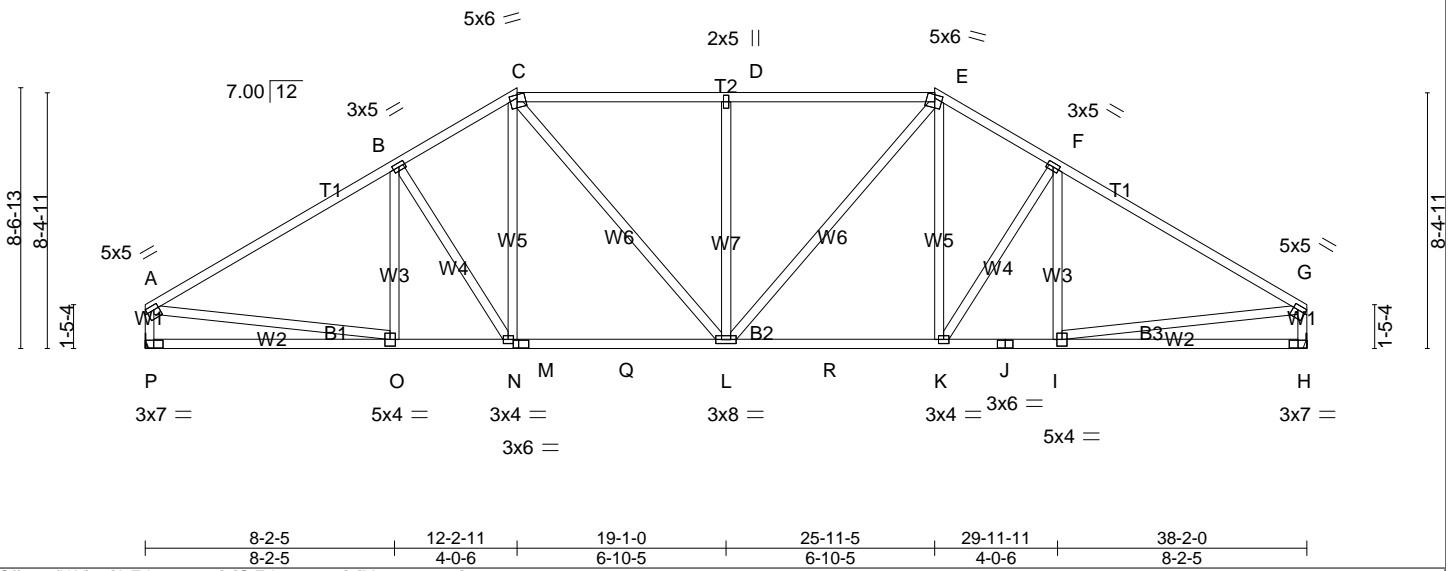


Plate Offsets (X,Y)-- [A:Edge,0-1-12], [G:Edge,0-1-12], [M:0-2-1,0-1-8]

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 0.99	Vert(LL) -0.13 O-P >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.68	Vert(CT) -0.28 O-P >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.66	Horz(CT) 0.06 H n/a n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-MSH			Weight: 249 lb FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.1 *Except*
 T2: 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 (3-4-11 max.): C-E.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) P=1515/Mechanical, H=1515/Mechanical
 Max Horz P=216(LC 9)
 Max Uplift P=-117(LC 10), H=-117(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-2068/395, B-C=-1856/465, C-D=-1823/476, D-E=-1823/476, E-F=-1856/465, F-G=-2068/395, A-P=-1434/302, G-H=-1434/302
 BOT CHORD O-P=-213/373, N-O=-202/1686, M-N=-156/1539, M-Q=-156/1539, L-Q=-156/1539, L-R=-129/1539, K-R=-129/1539, J-K=-202/1686, I-J=-202/1686, H-I=-72/220
 WEBS B-O=-104/109, B-N=-335/187, C-N=-105/447, C-L=-170/535, D-L=-516/232, E-L=-170/535, E-K=-105/453, F-K=-335/187, F-I=-104/109, A-O=-160/1483, G-I=-160/1483

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint P and 117 lb uplift at joint H.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) 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

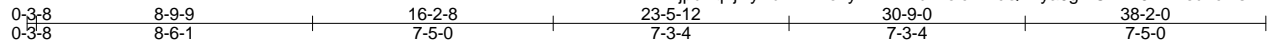


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



Job 69016741	Truss A6	Truss Type Half Hip Girder	Qty 1	Ply 2	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton
 8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:54:25 2019 Page 1
 ID: BvjpuXq2jRyKdENYXo1ywFzVzvu-HolcPEicQY?ya0gMOXkwJHZVeuLcMs121zN_KszPUoy



Scale = 1:71.0

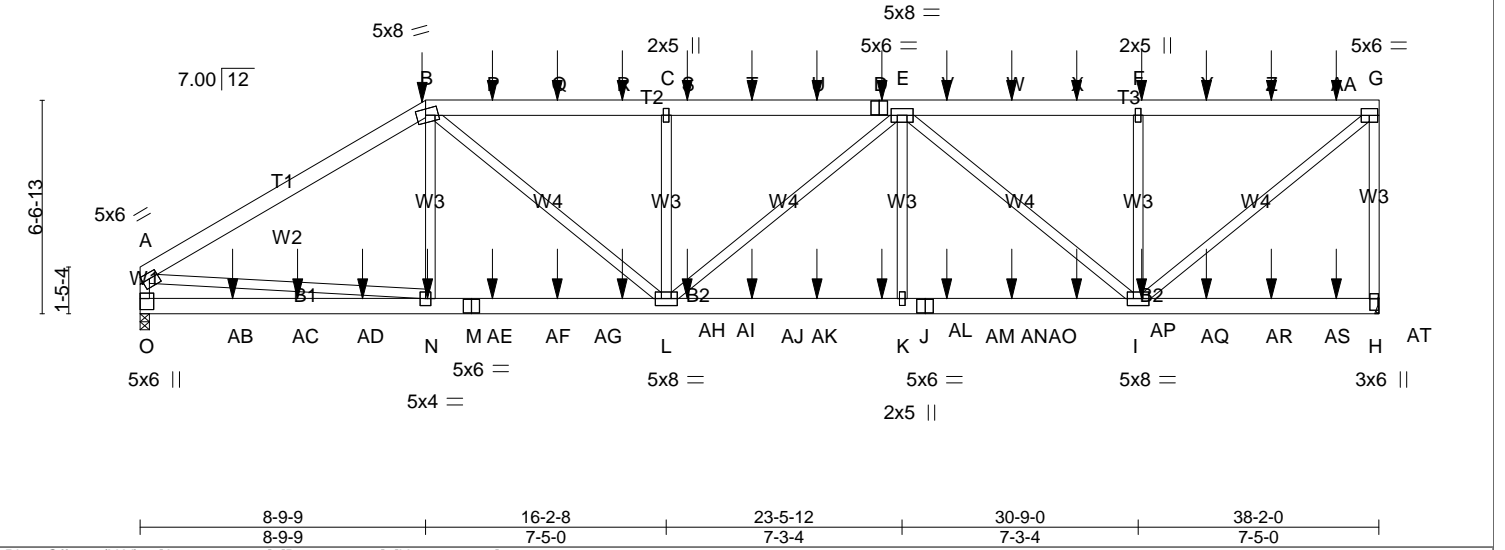


Plate Offsets (X,Y)-- [A:0-2-12,0-2-0], [B:0-3-4,0-2-4], [H:0-4-4,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.72	Vert(LL) 0.19 K-L >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.51	Vert(CT) -0.18 K-L >999 180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.87	Horz(CT) -0.04 H n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MSH			Weight: 582 lb FT = 20%

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

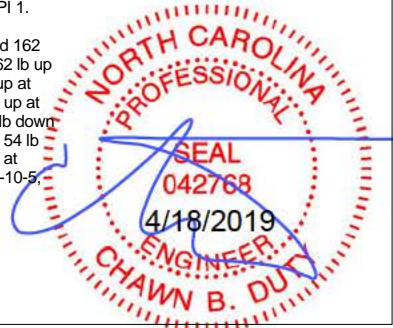
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.); B-G.
 BOT CHORD Rigid ceiling directly applied or 9-6-2 oc bracing.

REACTIONS. (lb/size) H=2390/Mechanical, O=2480/0-3-8 (min. 0-1-8)
 Max Horz O=229(LC 5)
 Max Uplift H=1871(LC 5), O=-1559(LC 8)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-3397/2297, B-P=-3752/2846, P-Q=-3752/2846, Q-R=-3752/2846, C-R=-3752/2846, C-S=-3752/2846, S-T=-3752/2846, T-U=-3752/2846, D-U=-3752/2846, D-E=-3752/2846, E-V=-2407/1890, V-W=-2407/1890, W-X=-2407/1890, F-X=-2407/1890, F-Y=-2407/1890, Y-Z=-2407/1890, Z-AA=-2407/1890, G-AA=-2407/1890, G-H=-2272/1829, A-O=-2178/1417
 BOT CHORD O-AB=-493/582, AB-AC=-493/582, AC-AD=-493/582, N-AD=-493/582, M-N=-2112/2821, M-AE=-2112/2821, AE-AF=-2112/2821, AF-AG=-2112/2821, AG-AH=-2112/2821, L-AH=-2112/2821, L-AI=-2865/3616, AI-AJ=-2865/3616, AJ-AK=-2865/3616, AK-AL=-2865/3616, K-AL=-2865/3616, J-K=-2865/3616, J-AM=-2865/3616, AM-AN=-2865/3616, AN-AO=-2865/3616, AO-AP=-2865/3616, I-AP=-2865/3616, I-AQ=-96/47, AQ-AR=-96/47, AR-AS=-96/47, AS-AT=-96/47, H-AT=-96/47
 WEBS A-N=-1713/2247, B-N=-77/446, B-L=-1180/1288, C-L=-703/730, E-L=-105/177, E-K=-93/456, E-I=-1579/1211, F-I=-710/728, G-I=-2448/3119

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1871 lb uplift at joint H and 1559 lb uplift at joint O.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 76 lb down and 164 lb up at 8-9-9, 57 lb down and 162 lb up at 10-10-5, 57 lb down and 162 lb up at 12-10-5, 57 lb down and 162 lb up at 14-10-5, 57 lb down and 162 lb up at 16-10-5, 57 lb down and 162 lb up at 18-10-5, 57 lb down and 162 lb up at 20-10-5, 57 lb down and 162 lb up at 22-10-5, 57 lb down and 162 lb up at 24-10-5, 57 lb down and 162 lb up at 26-10-5, 57 lb down and 162 lb up at 28-10-5, 57 lb down and 162 lb up at 30-10-5, 57 lb down and 162 lb up at 32-10-5, and 57 lb down and 162 lb up at 34-10-5, and 57 lb down and 162 lb up at 36-10-5 on top chord, and 174 lb down and 182 lb up at 2-10-5, 181 lb down and 107 lb up at 4-10-5, 181 lb down and 137 lb up at 6-10-5, 46 lb down and 54 lb up at 8-10-5, 46 lb down and 54 lb up at 10-10-5, 46 lb down and 54 lb up at 12-10-5, 46 lb down and 54 lb up at 14-10-5, 46 lb down and 54 lb up at 16-10-5, 46 lb down and 54 lb up at 18-10-5, 46 lb down and 54 lb up at 20-10-5, 46 lb down and 54 lb up at 22-10-5, 46 lb down and 54 lb up at 24-10-5, 46 lb down and 54 lb up at 26-10-5, 46 lb down and 54 lb up at 28-10-5, 46 lb down and 54 lb up at 30-10-5, 46 lb down and 54 lb up at 32-10-5, and 46 lb down and 54 lb up at 34-10-5, and 46 lb down and 54 lb up at 36-10-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard



Continued on page 2

This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



Job 69016741	Truss A6	Truss Type Half Hip Girder	Qty 1	Ply 2	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Job Reference (optional)

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:54:25 2019 Page 2

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: A-B=-60, B-G=-60, H-O=-20

Concentrated Loads (lb)

Vert: B=-57(F) D=-57(F) N=-34(F) F=-57(F) I=-34(F) P=-57(F) Q=-57(F) R=-57(F) S=-57(F) T=-57(F) U=-57(F) V=-57(F) W=-57(F) X=-57(F) Y=-57(F) Z=-57(F) AA=-57(F) AB=-174(F) AC=-152(F) AD=-152(F) AE=-34(F) AG=-34(F) AH=-34(F) AI=-34(F) AJ=-34(F) AK=-34(F) AL=-34(F) AM=-34(F) AO=-34(F) AP=-34(F) AQ=-34(F) AR=-34(F) AT=-34(F)



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



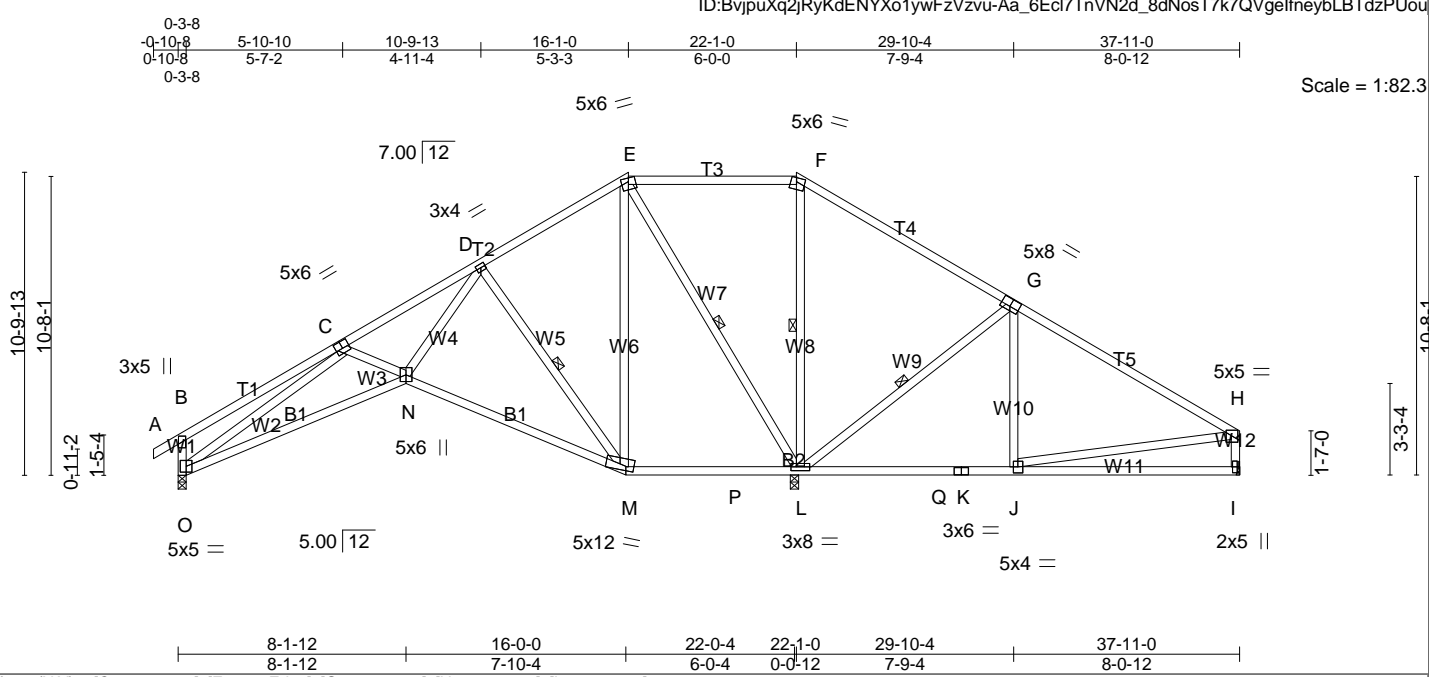


Plate Offsets (X,Y)-- [C:0-3-0,0-3-0], [F:0-2-4,Edge], [G:0-4-0,0-3-4], [H:0-2-4,0-2-4], [I:0-2-8,0-0-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFLL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.99	Vert(LL) -0.15 M-N >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.63	Vert(CT) -0.32 M-N >822 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.89	Horz(CT) 0.08 L n/a n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-MSH			Weight: 243 lb FT = 20%

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

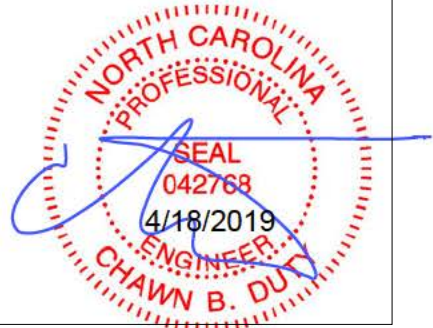
BRACING-
 TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): E-F.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt D-M, E-L, F-L, G-L

REACTIONS. (lb/size) L=2362/0-3-8 (min. 0-2-13), I=118/Mechanical, O=591/0-3-8 (min. 0-1-8)
 Max Horz O=284(LC 7)
 Max Uplift L=244(LC 10), I=170(LC 6), O=68(LC 10)
 Max Grav L=2362(LC 1), I=323(LC 22), O=610(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/31, B-C=-304/158, C-D=-883/160, D-E=-66/310, E-F=-65/819, F-G=-99/1018, G-H=-261/497, B-O=-350/184, H-I=-252/236
 BOT CHORD N-O=-328/1081, M-N=-155/348, M-P=-282/180, L-P=-282/180, L-Q=-393/180, K-Q=-393/180, J-K=-393/180, I-J=-58/143
 WEBS C-N=-225/200, D-N=-140/923, D-M=-725/242, E-M=-115/680, E-L=-1201/212, F-L=-807/145, G-L=-774/233, G-J=0/379, C-O=-878/103, H-J=-463/176

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - 6) Bearing at joint(s) O considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 244 lb uplift at joint L, 170 lb uplift at joint I and 68 lb uplift at joint O.
 - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) 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



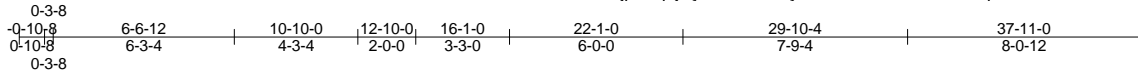
This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



Job 69016741	Truss A8	Truss Type ROOF TRUSS	Qty 2	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

8,240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:54:33 2019 Page 1
ID: BvjuXq2jRyKdENYXo1ywFzVzvu-2LEd4zodX?0pXFHvsDtoezvrt6zHERUDtDJPCzOpUoq



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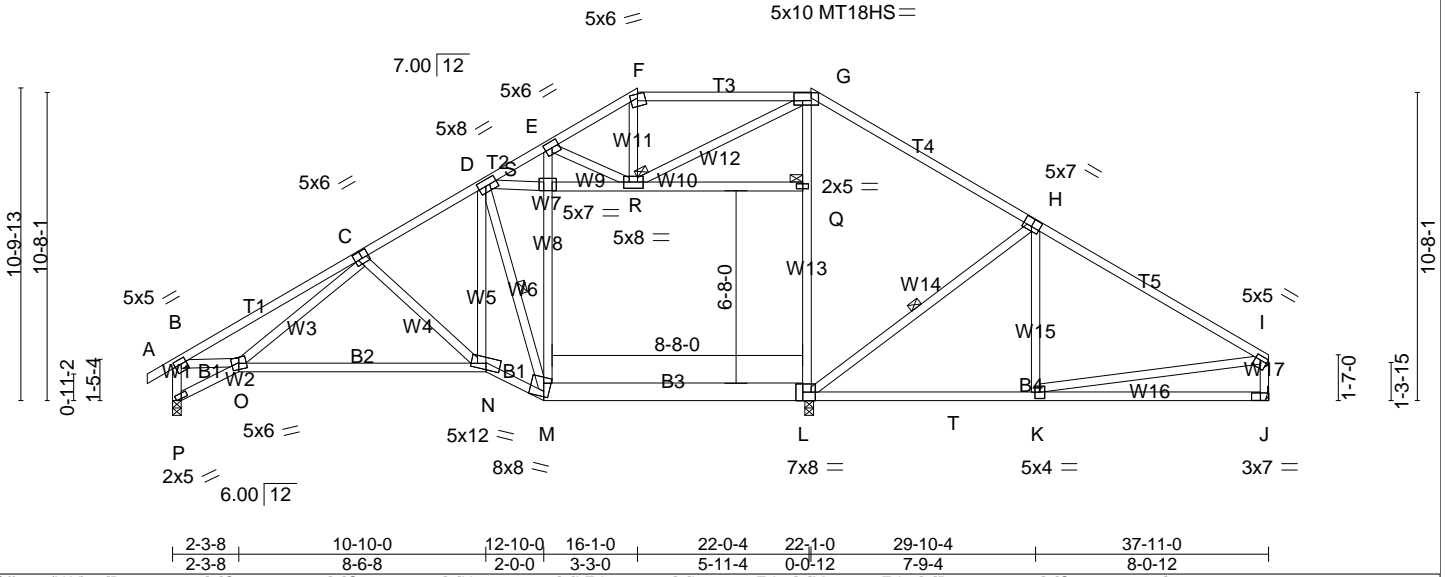


Plate Offsets (X,Y)-- [B:0-2-4,0-2-0], [C:0-2-12,0-3-0], [G:0-3-8,0-3-4], [H:0-3-8,0-3-4], [I:Edge,0-1-12], [L:0-2-12,Edge], [M:0-5-12,Edge], [P:0-2-8,0-0-15], [S:0-3-8,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFLL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.83	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.84	Vert(LL) -0.25 L-M >999 240	MT18HS	244/190
BCLL 0.0 *	Lumber DOL 1.15	WB 0.97	Vert(CT) -0.55 N-O >474 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MSH	Horz(CT) 0.11 J n/a n/a		
	Code IRC2015/TPI2014		Attic -0.15 L-M 740 360		
				Weight: 275 lb	FT = 20%

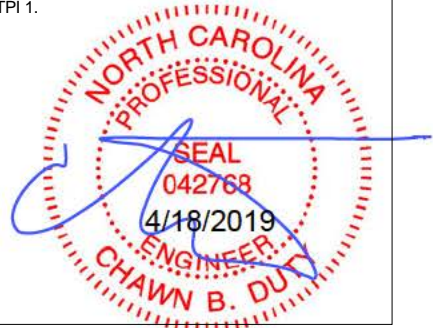
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-0-14 max.): F-G.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 9-6-13 oc bracing.
B3: 2x8 SP No.2, B4: 2x4 SP No.1	WEBS 1 Row at midpt D-M, H-L
WEBS 2x4 SP No.3 *Except*	JOINTS 1 Brace at Jt(s): Q, R
W8,W10: 2x4 SP No.2	

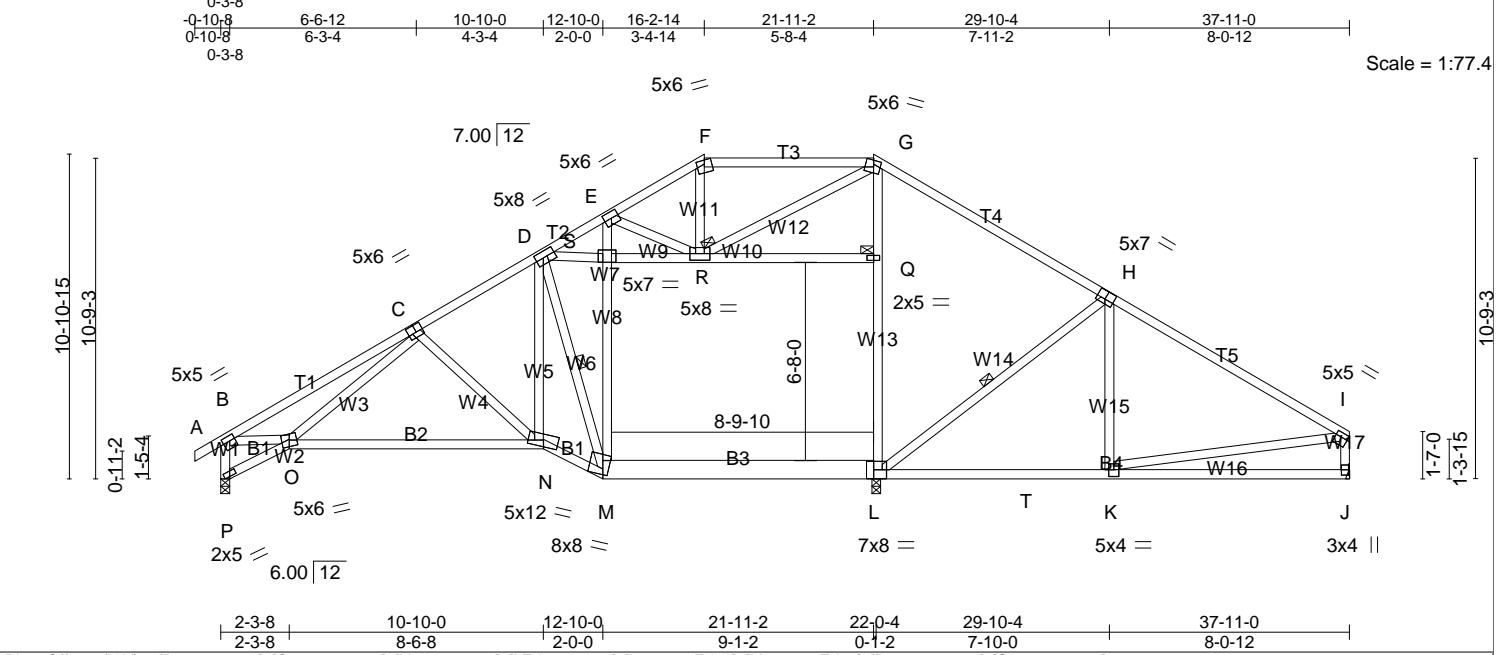
REACTIONS. (lb/size) L=962/0-3-8 (min. 0-1-13), P=1207/0-3-8 (min. 0-2-2), J=992/Mechanical
 Max Horz P=285(LC 7)
 Max Uplift L=68(LC 11), P=192(LC 10), J=87(LC 10)
 Max Grav L=1142(LC 19), P=1347(LC 18), J=1030(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/31, B-C=2229/359, C-D=1792/333, D-E=-3963/717, E-F=-1710/406, F-G=-1456/379, G-H=-979/308, H-I=-1333/277, B-P=-1495/288, I-J=-954/224
 BOT CHORD O-P=-340/384, N-O=-347/1899, M-N=-213/1840, L-M=-130/832, L-T=-102/1100, K-T=-102/1100, J-K=-58/162
 WEBS C-O=-91/283, C-N=-389/216, D-N=-168/1196, D-M=-2702/486, M-S=-316/2106, E-S=-294/1986, L-Q=-473/71, G-Q=-449/85, H-L=-589/249, H-K=0/237, I-K=-75/985, B-O=-128/1715, R-S=-444/2731, Q-R=-45/8, F-R=-105/633, E-R=-2213/414, G-R=-84/846, D-S=-427/2626

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 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) Ceiling dead load (5.0 psf) on member(s). R-S, Q-R
 - 8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. L-M
 - 9) Bearing at joint(s) P considers parallel to grain value using ANSITPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 68 lb uplift at joint L, 192 lb uplift at joint P and 87 lb uplift at joint J.
 - 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSITPI 1.
 - 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 13) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard





LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.85	Vert(LL) -0.25 L-M >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.84	Vert(CT) -0.55 N-O >475 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.96	Horz(CT) 0.11 J n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MSH	Attic -0.15 L-M 712 360		Weight: 276 lb FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 WEBS 2x4 SP No.3 *Except*
 W8,W10: 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-4-6 max.): F-G.
 BOT CHORD Rigid ceiling directly applied or 9-5-11 oc bracing.
 WEBS 1 Row at midpt D-M, H-L
 JOINTS 1 Brace at Jt(s): Q, R

REACTIONS. (lb/size) L=921/0-3-8 (min. 0-1-12), J=1013/Mechanical, P=1228/0-3-8 (min. 0-2-3)
 Max Horz P=287(LC 7)
 Max Uplift L=71(LC 11), J=-92(LC 10), P=-195(LC 10)
 Max Grav L=1110(LC 19), J=1055(LC 2), P=1376(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/31, B-C=-2279/365, C-D=-1848/339, D-E=-3989/717, E-F=-1686/402, F-G=-1432/375, G-H=-1037/316, H-I=-1379/283, B-P=-1524/292, I-J=-978/227
 BOT CHORD O-P=-343/386, N-O=-354/1948, M-N=-222/1894, L-M=-130/882, L-T=-108/1141, K-T=-108/1141, J-K=-57/161
 WEBS C-O=-97/281, C-N=-388/216, D-N=-172/1216, D-M=-2704/485, M-S=-310/2094, E-S=-287/1976, L-Q=-442/75, G-Q=-417/90, H-L=-583/252, H-K=-0/231, I-K=-82/1026, B-O=-134/1758, R-S=-439/2708, Q-R=-29/9, F-R=-103/625, E-R=-2248/420, G-R=-77/761, D-S=-422/2603

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - 6) Ceiling dead load (5.0 psf) on member(s). R-S, Q-R
 - 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. L-M
 - 8) Bearing at joint(s) P considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 71 lb uplift at joint L, 92 lb uplift at joint J and 195 lb uplift at joint P.
 - 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 12) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



Job 69016741	Truss A10	Truss Type ROOF TRUSS	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:54:56 2019 Page 1
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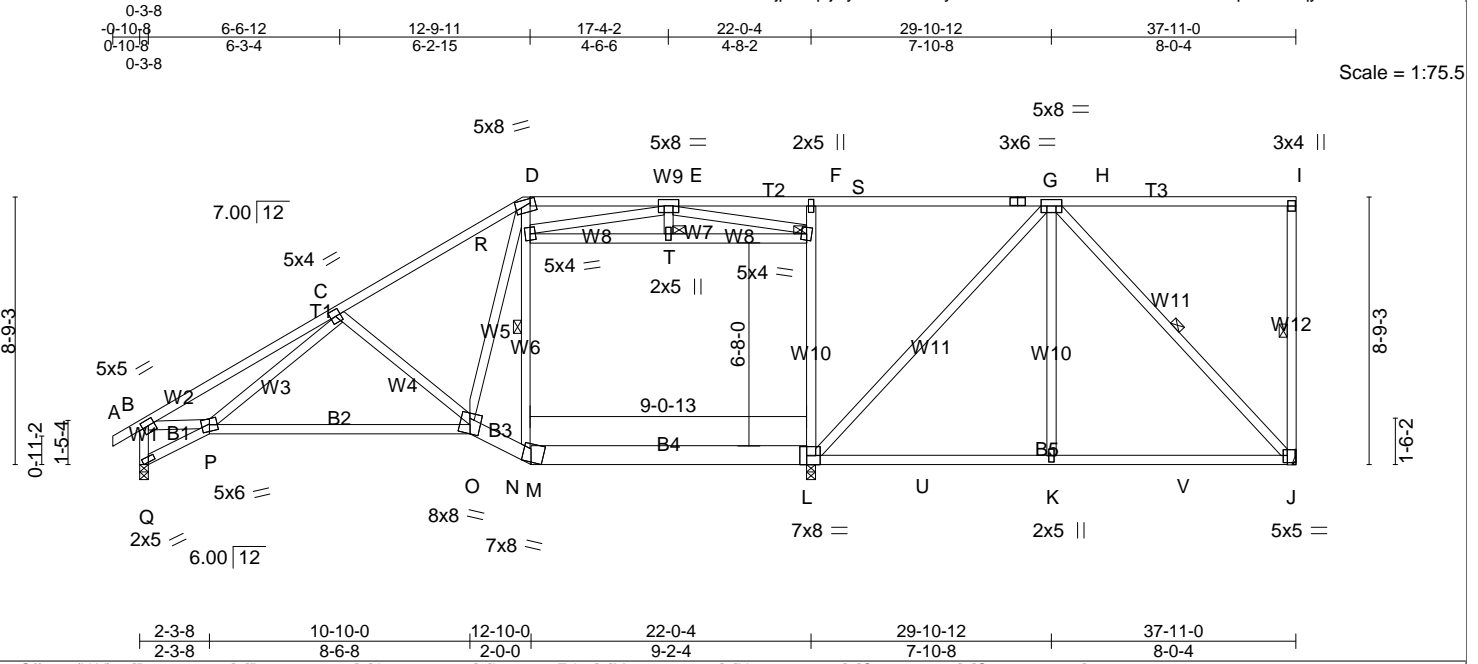


Plate Offsets (X,Y)-- [B:0-2-8,0-2-4], [D:0-2-0,0-1-12], [J:0-1-8,0-2-12], [L:0-2-12,Edge], [M:0-0-11,0-3-0], [N:0-1-14,0-0-7], [O:0-4-0,0-3-7], [Q:0-2-8,0-0-15]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.86	Vert(LL) -0.22 O-P >999 L/d 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.88	Vert(CT) -0.50 O-P >524 L/d 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.98	Horz(CT) 0.11 J n/a n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-MSH			
				Weight: 277 lb	FT = 20%

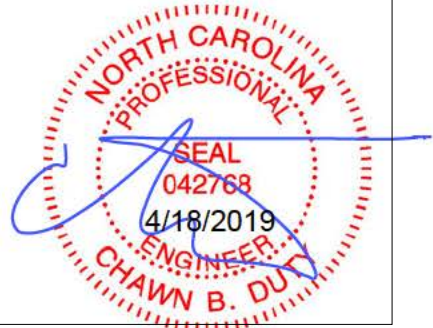
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-5-4 oc purlins, except end verticals, and 2-0-0 oc purlins (4-4-7 max.): D-I.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3	9-5-7 oc bracing: P-Q
	8-7-1 oc bracing: O-P.
	WEBS 1 Row at midpt I-J, D-N, H-J
	JOINTS 1 Brace at Jt(s): I, S, T

REACTIONS. (lb/size) L=450/0-3-8 (min. 0-1-8), Q=1377/0-3-8 (min. 0-2-3), J=1244/Mechanical
 Max Horz Q=328(LC 7)
 Max Uplift L=313(LC 6), Q=194(LC 10), J=233(LC 7)
 Max Grav L=689(LC 25), Q=1386(LC 18), J=1323(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/31, B-C=-2251/373, C-D=-1864/408, D-E=-1376/376, E-F=-1195/345, F-G=-1266/361, G-H=-1266/361, H-I=-125/131, I-J=-199/102, B-Q=-1498/307
 BOT CHORD P-Q=-380/302, O-P=-434/1930, N-O=-330/1502, M-N=-236/1286, L-M=-291/1331, L-U=-240/1003, K-U=-240/1003, K-V=-240/1003, J-V=-240/1003
 WEBS C-P=-133/224, C-O=-421/252, N-R=-571/211, D-R=-479/163, E-R=-435/255, E-S=-557/230, L-S=-548/244, F-S=-406/188, H-L=-157/524, H-K=0/437, H-J=-1451/261, B-P=-162/1765, R-T=-215/487, S-T=-215/487, E-T=-36/16, D-O=-177/1096

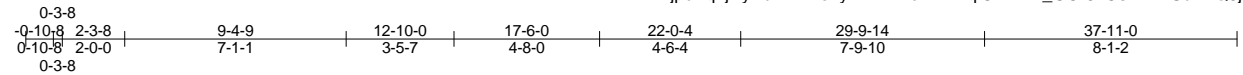
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - 6) Bearing at joint(s) Q considers parallel to grain value using ANSI/TP1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint L, 194 lb uplift at joint Q and 233 lb uplift at joint J.
 - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 10) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard

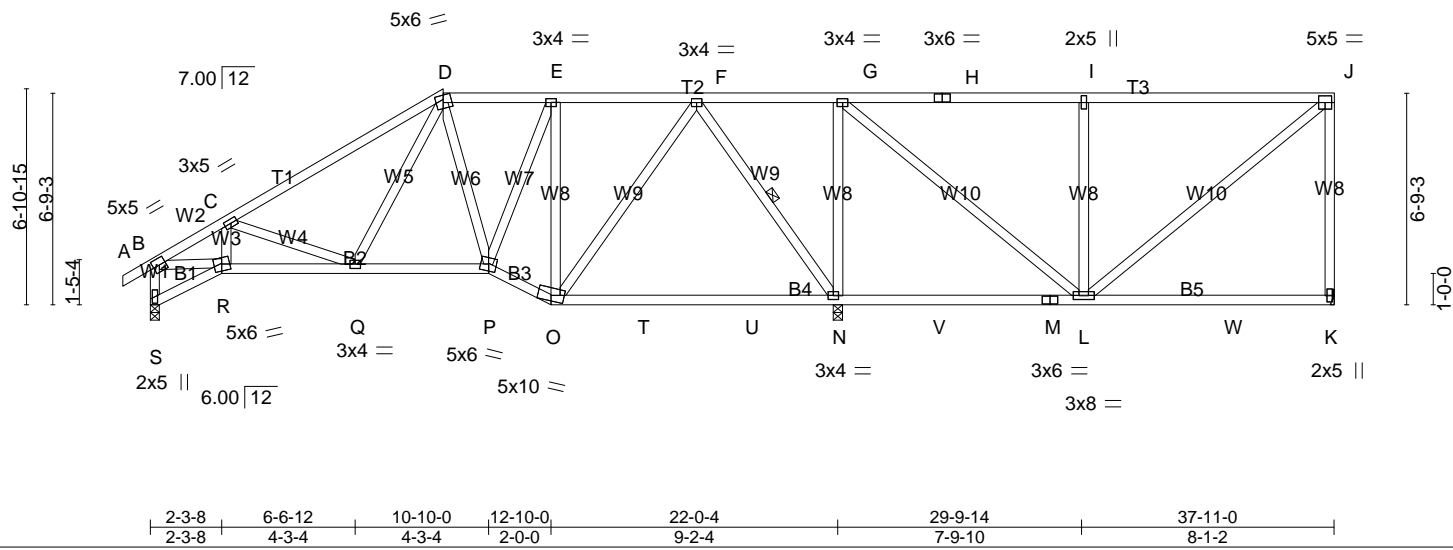


This truss is to be fabricated per ANSI/TP1 quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.





Scale = 1:73.8



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.86	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.72	Vert(LL) -0.21 N-O >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.74	Vert(CT) -0.40 N-O >662 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MSH	Horz(CT) 0.04 N n/a n/a		
	Code IRC2015/TPI2014			Weight: 244 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-4-5 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.); D-J.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt F-N

REACTIONS. (lb/size) K=435/Mechanical, S=797/0-3-8 (min. 0-1-8), N=1839/0-3-8 (min. 0-2-4)
 Max Horz S=252(LC 7)
 Max Uplift K=-129(LC 6), S=-93(LC 10), N=-336(LC 7)
 Max Grav K=491(LC 24), S=797(LC 1), N=1839(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/31, B-C=-1218/271, C-D=-965/205, D-E=-595/203, E-F=-468/191, F-G=-128/417, G-H=-265/168, H-I=-265/168, I-J=-265/168, J-K=-400/173, B-S=-753/177
 BOT CHORD R-S=-277/167, Q-R=-376/1136, P-Q=-194/622, O-P=-169/502, O-T=-97/120, T-U=-97/120, N-U=-97/120, N-V=-417/179, M-V=-417/179, L-M=-417/179, L-W=-83/95, K-W=-83/95
 WEBS C-R=-119/79, C-Q=-457/272, D-Q=-41/301, D-P=-167/105, E-P=-112/381, E-O=-596/217, F-O=-83/621, F-N=-910/218, G-N=-906/284, G-L=-168/825, I-L=-530/241, J-L=-128/316, B-R=-228/1109

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - 6) Bearing at joint(s) S considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 129 lb uplift at joint K, 93 lb uplift at joint S and 336 lb uplift at joint N.
 - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) 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



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



Job 69016741	Truss A12	Truss Type Half Hip Girder	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton
 8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:55:11 2019 Page 1
 ID: BvjuXq2jRyKdENYXo1yWfZvZvu-xfX?3zGTagoQ54BC5BYAzTQAR3h7eTpc7WQyBzPUoE

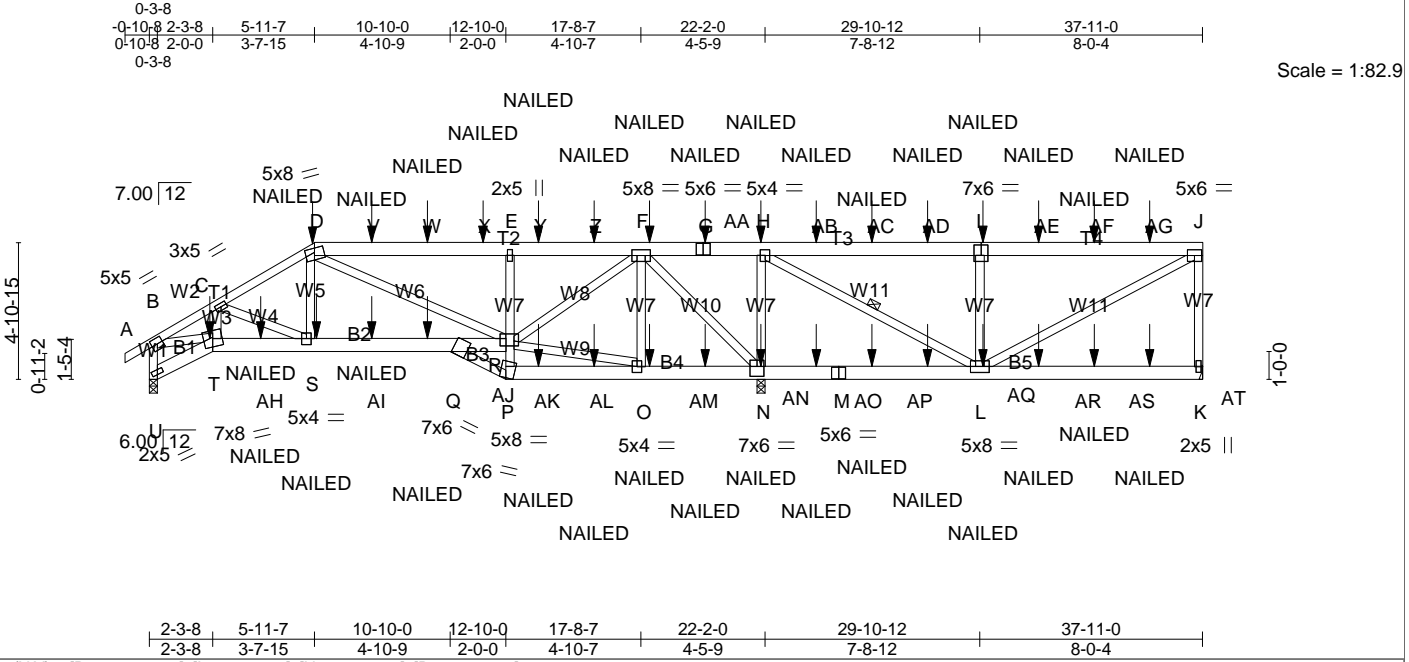


Plate Offsets (X,Y)-- [D:0-4-0,0-1-12], [I:0-3-0,0-4-8], [N:0-3-0,0-4-4], [R:0-2-8,0-3-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.46	Vert(LL) 0.10 Q-S >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.36	Vert(CT) -0.10 Q-S >999 180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.93	Horz(CT) -0.04 N n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MSH			Weight: 285 lb FT = 20%

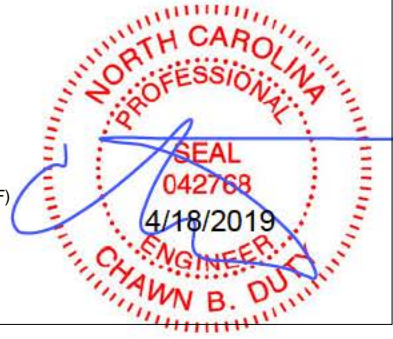
LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* T1: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-7-3 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): D-J.
BOT CHORD 2x6 SP No.2 *Except* B3: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt H-L

REACTIONS. (lb/size) K=468/Mechanical, N=2199/0-3-8 (min. 0-2-13), U=1017/0-3-8 (min. 0-1-10)
 Max Horz U=176(LC 24)
 Max Uplift K=399(LC 4), N=1752(LC 5), U=576(LC 8)
 Max Grav K=508(LC 35), N=2376(LC 36), U=1047(LC 33)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/31, B-C=-1663/1019, C-D=-1403/882, D-V=-1117/738, V-W=-1118/738, W-X=-1119/739, E-X=-1121/739, E-Y=-1132/751, Y-Z=-1132/751, F-Z=-1132/751, F-AA=608/850, G-AA=-608/850, G-H=-608/850, H-AB=-406/386, AB-AC=-406/386, AC-AD=-406/386, I-AD=-406/386, I-AE=-411/392, AE-AF=411/392, AF-AG=411/392, J-AG=-411/392, J-K=-402/382, B-U=1036/599
 BOT CHORD T-U=-203/144, T-AH=-984/1460, S-AH=-984/1460, S-AI=-842/1205, AI-AJ=-842/1205, Q-AJ=-842/1205, Q-R=-795/1294, P-Q=-275/21, P-AK=-198/11, AK-AL=-197/11, O-AL=-196/11, O-AM=-146/132, AM-AN=-146/132, N-AN=-146/132, N-AO=-873/561, M-AO=-873/561, M-AP=-873/561, AP-AQ=-873/561, L-AQ=-873/561, L-AR=-74/59, AR-AS=-74/59, AS-AT=-74/59, K-AT=-74/59
 WEBS C-T=-143/120, C-S=-258/181, D-S=-232/439, D-R=-120/63, P-R=-4/295, E-R=-469/431, F-O=-13/128, F-N=-1366/978, B-T=-814/1359, O-R=-89/262, F-R=-831/1214, H-N=-1144/964, H-L=-1014/1375, I-L=-593/615, J-L=-376/399

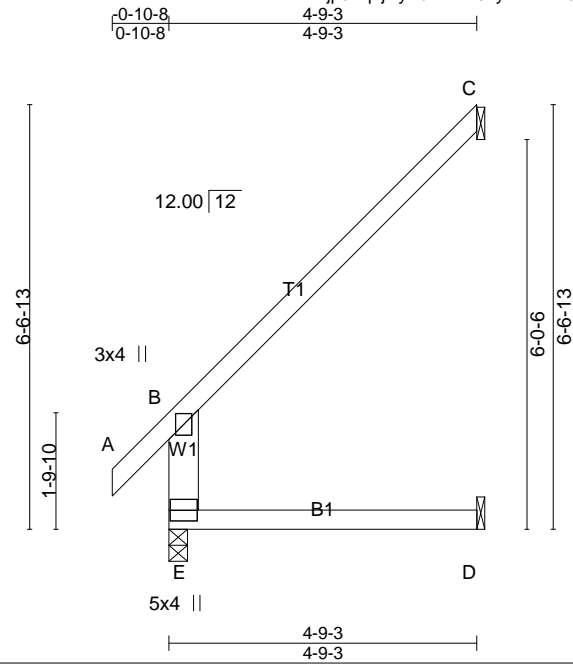
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) U considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 399 lb uplift at joint K, 1752 lb uplift at joint N and 576 lb uplift at joint U.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 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-B=-60, B-D=-60, D-J=-60, T-U=-20, Q-T=-20, P-Q=-20, K-P=-20
 Concentrated Loads (lb)
 Vert: D=-11(F) G=-14(F) T=-96(F) S=-29(F) N=-11(F) H=-14(F) I=-14(F) L=-11(F) V=-11(F) W=-11(F) X=-11(F) Y=-14(F) Z=-14(F) AA=-14(F) AB=-14(F) AC=-14(F) AD=-14(F) AE=-14(F) AF=-14(F) AG=-14(F) AH=-82(F) AI=-29(F) AJ=-29(F) AK=-11(F) AL=-11(F) AM=-11(F) AN=-11(F) AO=-11(F) AP=-11(F) AQ=-11(F) AR=-11(F) AS=-11(F) AT=-11(F)



Job 69016741	Truss A13	Truss Type Jack-Open	Qty 15	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton
 ID: BvjuXq2jRyKdENYXo1ywfzVzvU-MEC7h_ILtbA?yYwnmK6Poc5x1e0MKDmG15k4ZWzPUoB
 8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:55:14 2019 Page 1



Scale = 1:35.7

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.48 BC 0.68 WB 0.00 Matrix-MR	DEFL. in (loc) l/defl L/d Vert(LL) 0.08 D-E >668 240 Vert(CT) -0.08 D-E >708 180 Horz(CT) -0.17 C n/a n/a	PLATES GRIP MT20 244/190 Weight: 23 lb FT = 20%
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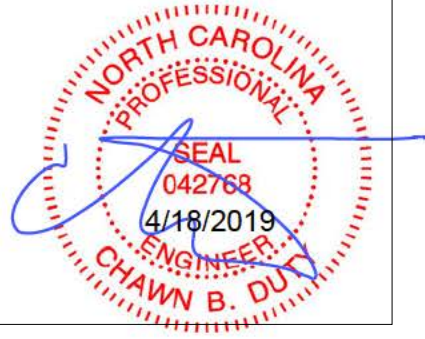
LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x6 SP No.2	BRACING- TOP CHORD Structural wood sheathing directly applied or 4-9-3 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS. (lb/size) E=253/0-3-8 (min. 0-1-8), C=117/Mechanical, D=54/Mechanical
 Max Horz E=187(LC 10)
 Max Uplift C=152(LC 10), D=-34(LC 10)
 Max Grav E=253(LC 1), C=149(LC 17), D=86(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD B-E=-218/13, A-B=0/47, B-C=-161/134
 BOT CHORD D-E=0/0

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * 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.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 152 lb uplift at joint C and 34 lb uplift at joint D.
 - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.

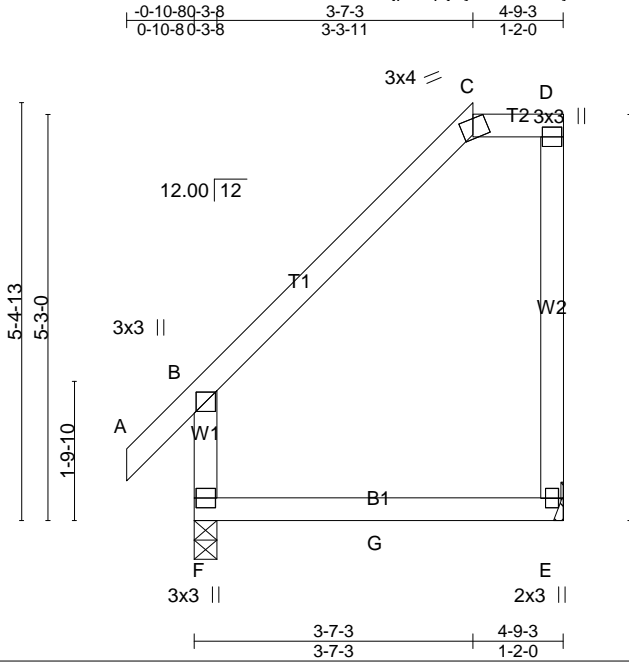


Job 69016741	Truss A14	Truss Type Half Hip	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

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Scale = 1:29.8

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.32 BC 0.19 WB 0.00 Matrix-MR	DEFL. in (loc) l/defl L/d Vert(LL) -0.02 E-F >999 240 Vert(CT) -0.03 E-F >999 180 Horz(CT) -0.00 E n/a n/a	PLATES GRIP MT20 244/190 Weight: 28 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 4-9-3 oc purlins, except end verticals, and 2-0-0 oc purlins: C-D. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
--	---

REACTIONS. (lb/size) E=172/Mechanical, F=247/0-3-8 (min. 0-1-8)
Max Horz F=201(LC 7)
Max Uplift E=-117(LC 7), F=-8(LC 6)
Max Grav E=248(LC 17), F=277(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/43, B-C=-165/68, C-D=-112/118, D-E=-127/106, B-F=-210/127
BOT CHORD F-G=-83/79, E-G=-83/79

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint E and 8 lb uplift at joint F.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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

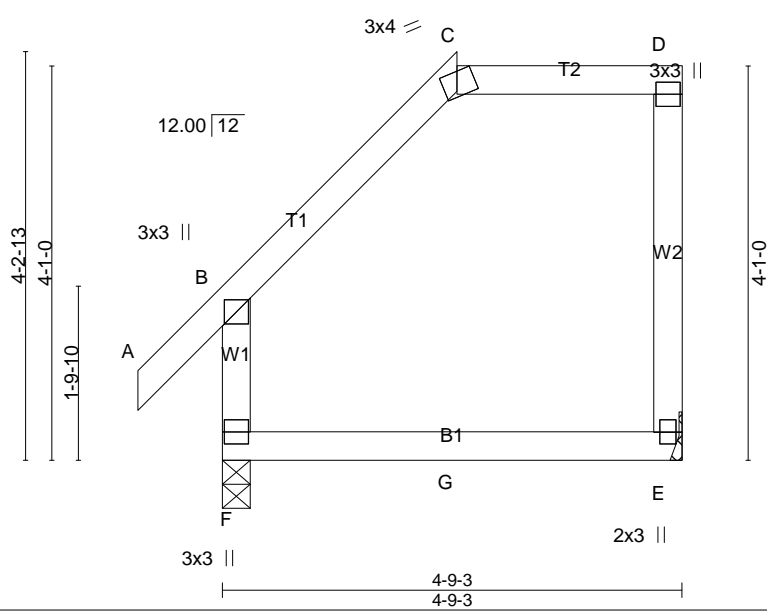


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



Job 69016741	Truss A15	Truss Type Half Hip	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton
 Job Reference (optional)
 8,240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:55:19 2019, Page 1



Scale: 1/2"=1'

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.31 BC 0.18 WB 0.00 Matrix-MR	DEFL. in (loc) l/defl L/d Vert(LL) -0.02 E-F >999 240 Vert(CT) -0.03 E-F >999 180 Horz(CT) -0.00 E n/a n/a	PLATES GRIP MT20 244/190 Weight: 25 lb FT = 20%
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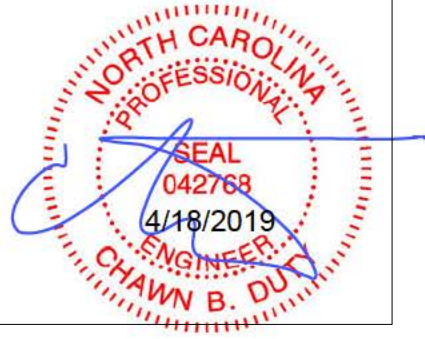
LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 4-9-3 oc purlins, except end verticals, and 2-0-0 oc purlins: C-D. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS. (lb/size) E=172/Mechanical, F=247/0-3-8 (min. 0-1-8)
 Max Horz F=157(LC 7)
 Max Uplift E=87(LC 7), F=22(LC 10)
 Max Grav E=205(LC 17), F=247(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/43, B-C=133/79, C-D=91/99, D-E=-120/94, B-F=-210/135
 BOT CHORD F-G=-72/54, E-G=-72/54

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint E and 22 lb uplift at joint F.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) 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

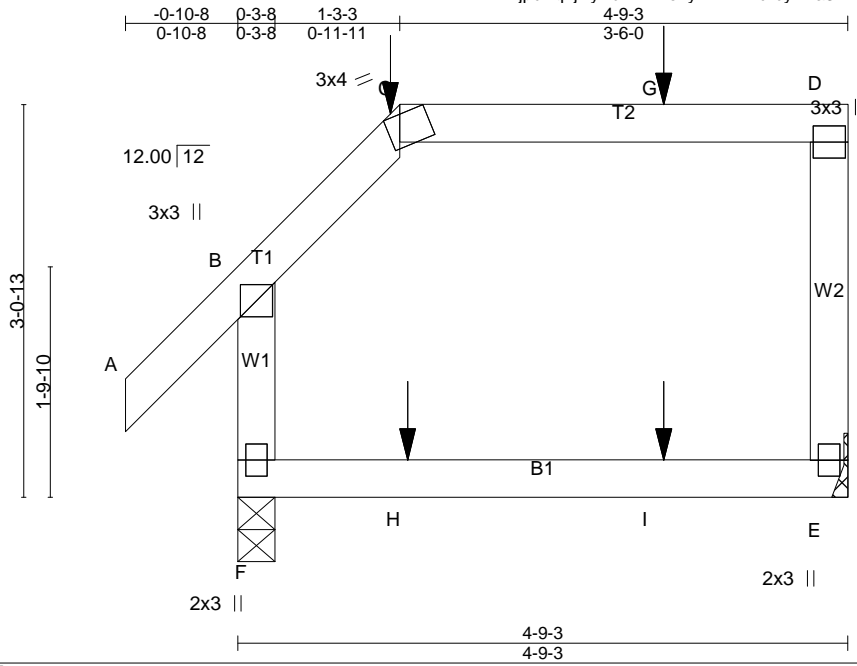


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



Job 69016741	Truss A16	Truss Type Half Hip Girder	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton
 8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:55:23 2019 Page 1
 ID:BvjpuXq2jRyKdENYXo1ywFzVzvu-byFXa3P?IMJjXx6WojmWfVzVnGBXxl?aM?Q2NVzPUo2



Scale = 1:18.0

Plate Offsets (X,Y)-- [C:0-0-11,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 0.35	Vert(LL) -0.02 E-F >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.23	Vert(CT) -0.04 E-F >999 180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT) -0.00 E n/a n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-MR			
				Weight: 23 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-9-3 oc purlins, except end verticals, and 2-0-0 oc purlins: C-D.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) E=194/Mechanical, F=271/0-3-8 (min. 0-1-8)
 Max Horz F=119(LC 5)
 Max Uplift E=-162(LC 5), F=-146(LC 8)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/43, B-C=-138/140, C-G=-35/64, D-E=-132/131, B-F=-218/152
 BOT CHORD F-H=-91/46, H-I=-91/46, E-I=-91/46

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Provide adequate drainage to prevent water ponding.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 162 lb uplift at joint E and 146 lb uplift at joint F.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5 lb down and 63 lb up at 1-3-3, 5 lb down and 61 lb up at 3-3-15, and 72 lb down and 63 lb up at 1-3-3, and 80 lb down and 61 lb up at 3-3-15 on top chord, and 9 lb down and 19 lb up at 1-3-15, 9 lb down and 19 lb up at 3-3-15, and 25 lb down and 19 lb up at 1-3-15, and 25 lb down and 19 lb up at 3-3-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

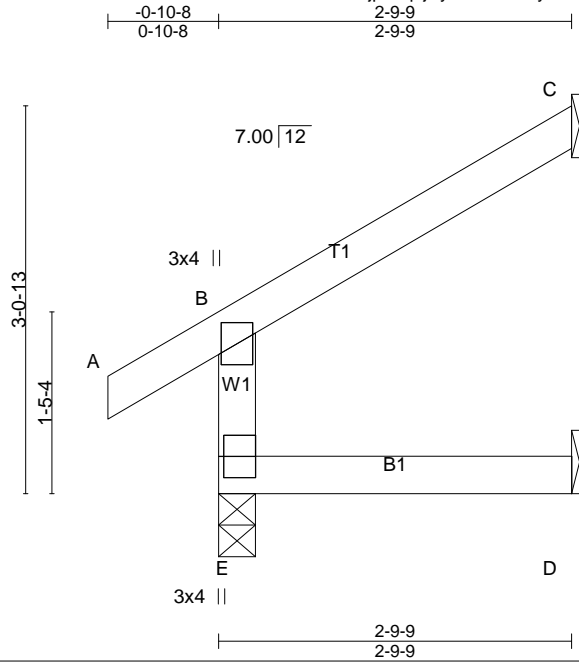
LOAD CASE(S) Standard
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: A-B=-60, B-C=-60, C-D=-60, E-F=-20
 Concentrated Loads (lb)
 Vert: C=-10(F=-5, B=-5) G=-10(F=-5, B=-5) H=-13(F=-6, B=-6) I=-13(F=-6, B=-6)



Job 69016741	Truss A17	Truss Type Jack-Open	Qty 2	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Job Reference (optional)
8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:55:26 2019 Page 1
ID: BvjpuXq2jRyKdENYXo1ywFzVzvu-?XxgC5Rt2HhIOOq5TrKDH8b2qUEU8ek13yej_qzPUo?



Scale = 1:18.2

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.24	Vert(LL) 0.01	D-E	>999	240	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.15	Vert(CT) -0.01	D-E	>999	180		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT) -0.02	C	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR						
	Code IRC2015/TPI2014						Weight: 12 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) E=177/0-3-8 (min. 0-1-8), C=65/Mechanical, D=26/Mechanical
Max Horz E=68(LC 7)
Max Uplift C=58(LC 10), D=4(LC 10)
Max Grav E=177(LC 1), C=77(LC 17), D=49(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD B-E=-151/60, A-B=0/31, B-C=-56/44
BOT CHORD D-E=0/0

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * 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.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint C and 4 lb uplift at joint D.
 - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

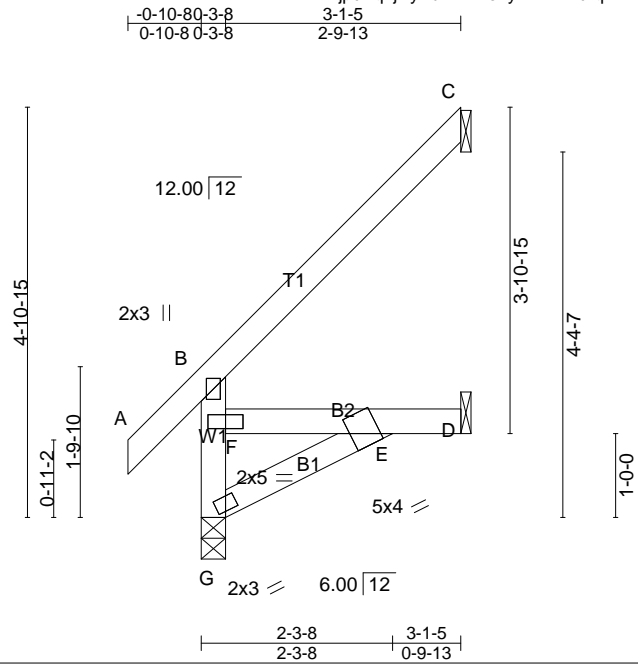


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



Job 69016741	Truss A19	Truss Type Jack-Open	Qty 4	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton ID: BvjpuXq2jRyKdENYXo1ywFzVzvu-qhIxT8Wee7RR6JlEp6ReXPr3?uH6YMDvRu51BTzPUmv 8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:55:32 2019 Page 1



Scale = 1:27.6

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.26 BC 0.13 WB 0.00 Matrix-MR	DEFL. in (loc) l/defl L/d Vert(LL) 0.01 E >999 240 Vert(CT) -0.01 E >999 180 Horz(CT) -0.01 C n/a n/a	PLATES GRIP MT20 244/180 Weight: 19 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 3-1-5 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS. (lb/size) C=71/Mechanical, D=49/Mechanical, G=215/0-3-8 (min. 0-1-8)
Max Horz G=124(LC 10)
Max Uplift C=85(LC 10), D=50(LC 10)
Max Grav C=87(LC 17), D=88(LC 3), G=215(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD F-G=-196/29, B-F=-164/45, A-B=0/43, B-C=-98/78
BOT CHORD E-G=-327/230, E-F=-213/299, D-E=0/0

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * 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.
 - 4) Bearing at joint(s) G considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint C and 50 lb uplift at joint D.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



Job 69016741	Truss A20	Truss Type Half Hip	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton ID: BvjuXq2jRyKdENYXo1ywFzVzv-EG_35AYWx2q0zn0pVE_L81TdV6L5jzL7sKhnozPUNs 8,240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:55:35 2019 Page 1

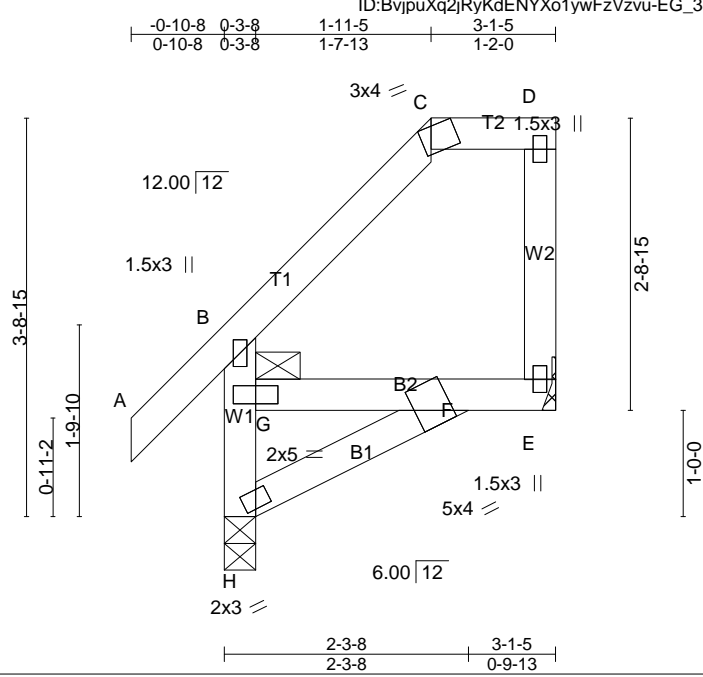


Plate Offsets (X,Y)-- [C:0-0-11,Edge]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.11	Vert(LL) -0.00 F >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.05	Vert(CT) -0.00 F-H >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 E n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MR			
				Weight: 21 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-5 oc purlins, except end verticals, and 2-0-0 oc purlins: C-D.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) E=102/Mechanical, H=185/0-3-8 (min. 0-1-8)
Max Horz H=130(LC 7)
Max Uplift E=96(LC 7), H=16(LC 6)
Max Grav E=121(LC 17), H=193(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/43, B-C=88/43, C-D=58/58, D-E=68/47, G-H=166/113, B-G=162/112
BOT CHORD F-H=-163/128, F-G=83/147, E-F=-45/39

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) Bearing at joint(s) H considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 96 lb uplift at joint E and 16 lb uplift at joint H.
 - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) 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 69016741	Truss A21	Truss Type Half Hip Girder	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton
 8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:55:37 2019 Page 1
 ID:BvjpuXq2jRyKdENYXo1ywFzVzvU-Af5qWsanSg4kD4ACcf0pESYZOv0vDdTeaAposhZPUng

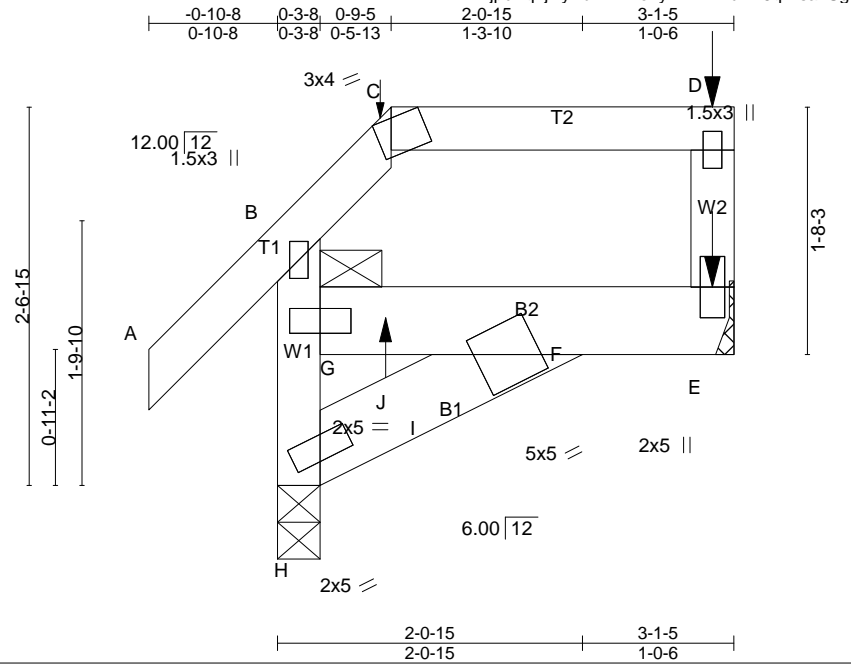


Plate Offsets (X,Y)-- [C:0-0-11,Edge]

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 0.09	Vert(LL) -0.00 G >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.03	Vert(CT) -0.00 H >999 180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT) 0.00 E n/a n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-MR			
				Weight: 23 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 or 3-1-5 oc purlins, except end verticals, and 2-0-0 oc purlins: C-D.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) E=116/Mechanical, H=184/0-3-8 (min. 0-1-8)
 Max Horz H=84(LC 20)
 Max Uplift E=-108(LC 5), H=-54(LC 8)
 Max Grav E=140(LC 29), H=189(LC 32)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/43, B-C=-90/53, C-D=-25/20, D-E=-81/66, G-H=-165/63, B-G=-158/67
 BOT CHORD H-I=-94/68, F-I=-96/84, G-J=-59/58, F-J=-59/58, E-F=-37/26

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Provide adequate drainage to prevent water ponding.
 - 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) H 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 capable of withstanding 108 lb uplift at joint E and 54 lb uplift at joint H.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 57 lb down and 41 lb up at 0-9-5, and 49 lb down and 42 lb up at 2-11-9 on top chord, and 24 lb down and 22 lb up at 0-10-1, and 27 lb down and 20 lb up at 2-11-9 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 10) 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-B=-60, B-C=-60, C-D=-60, F-H=-20, E-F=-20

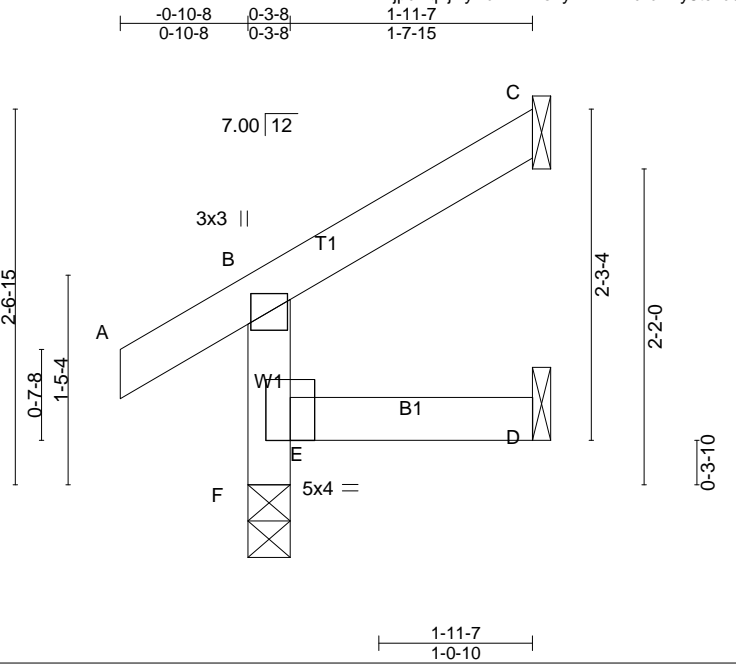
Concentrated Loads (lb)
 Vert: D=-8(F) E=-6(F) I=1(F)



Job 69016741	Truss A22	Truss Type Jack-Open	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton
 Job Reference (optional)
 8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:55:40 2019 Page 1

ID: BvjuXq2jRyKdENYXo1ywFzVzvubEny8tcfibSI4YvnHnaWr5ASF70tQ_C5H81ST0zPUmm



Scale = 1:15.8

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.18 BC 0.14 WB 0.00 Matrix-MR	DEFL. in (loc) l/defl L/d Vert(LL) -0.00 D-E >999 240 Vert(CT) -0.00 D-E >999 180 Horz(CT) -0.01 C n/a n/a	PLATES GRIP MT20 244/190 Weight: 9 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 1-11-7 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS. (lb/size) C=39/Mechanical, D=15/Mechanical, F=150/0-3-8 (min. 0-1-8)
 Max Horz F=60(LC 7)
 Max Uplift C=42(LC 10), D=12(LC 10)
 Max Grav C=50(LC 17), D=35(LC 8), F=150(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD E-F=-150/0, B-E=-130/52, A-B=0/31, B-C=-41/33
 BOT CHORD D-E=0/0

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * 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.
 - 4) Bearing at joint(s) F considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint C and 12 lb uplift at joint D.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.

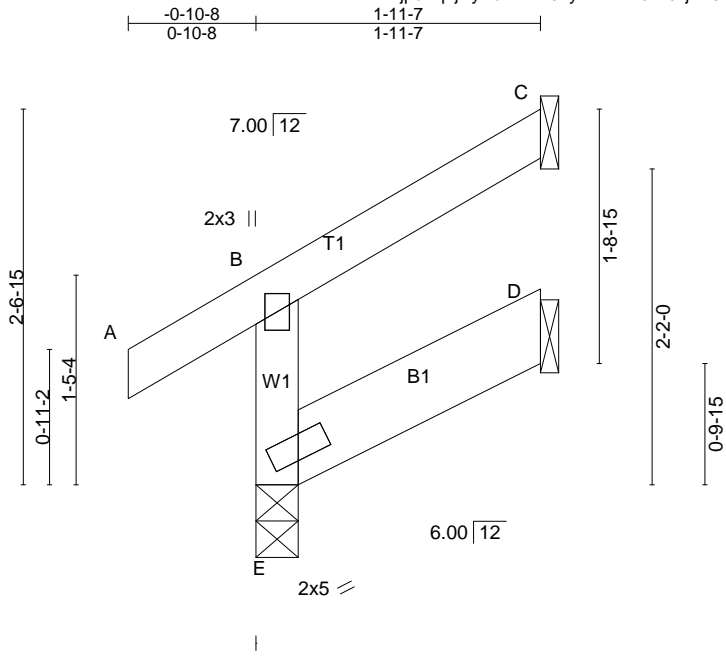


Job 69016741	Truss A23	Truss Type Jack-Open	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Job Reference (optional)
8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:55:42 2019 Page 1

ID: BvjuXq2jRyKdENYXo1ywFzVzvU-XcvjZZevHCi0Jr39PCc_xwFndwkkutiNkSWZxuzPUn



Scale = 1:15.8

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 0.21	Vert(LL) -0.00 E >999 240	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.05	Vert(CT) -0.00 E >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.01 C n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MR		Weight: 12 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 1-11-7 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (lb/size) C=38/Mechanical, D=16/Mechanical, E=150/0-3-8 (min. 0-1-8)
 Max Horz E=57(LC 7)
 Max Uplift C=40(LC 10), D=10(LC 10)
 Max Grav C=48(LC 17), D=35(LC 3), E=150(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD B-E=-131/58, A-B=0/31, B-C=-41/31
 BOT CHORD D-E=-23/17

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * 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.
 - 4) 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.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint C and 10 lb uplift at joint D.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

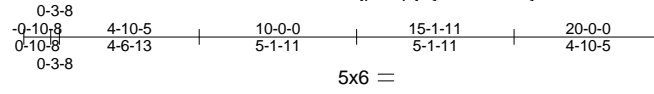


Job 69016741	Truss B2	Truss Type COMMON GIRDER	Qty 1	Ply 2	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Job Reference (optional)

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:55:52 2019 Page 1
ID:BvjuXq2jRyKdENYXo1ywFzVzvu-EXVf_IBWHzcWQo4_IokKkgTgyzJECws17y5uJzPUmb



Scale = 1:75.3

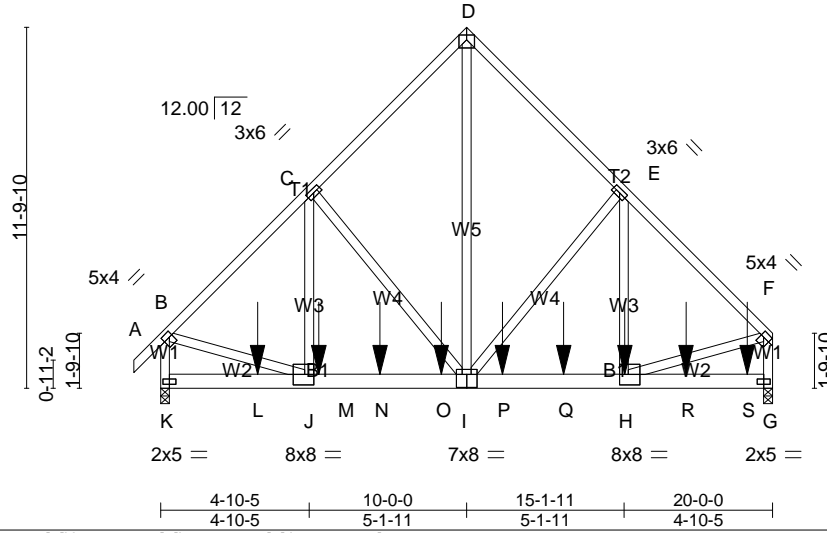


Plate Offsets (X,Y)-- [B:0-1-4,0-2-0], [F:0-1-4,0-2-0], [H:0-3-8,0-4-0], [I:0-4-0,0-5-0], [J:0-3-8,0-4-0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.34	Vert(LL) -0.07 I-J >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.74	Vert(CT) -0.13 I-J >999 180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.85	Horz(CT) 0.01 G n/a n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-MSH			
				Weight: 331 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

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

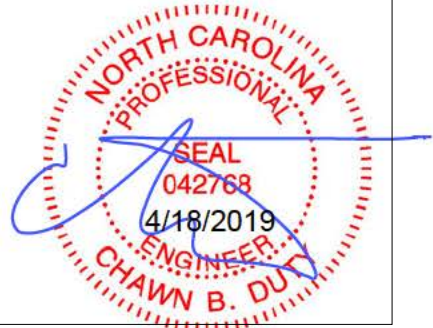
REACTIONS. (lb/size) K=3785/0-3-8 (min. 0-2-15), G=3838/0-3-8 (min. 0-3-0)
Max Horz K=315(LC 5)
Max Uplift K=895(LC 9), G=898(LC 8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/43, B-C=-3872/911, C-D=-3179/715, D-E=-3180/716, E-F=-3721/789, B-K=-3693/814, F-G=-3484/700
BOT CHORD K-L=-347/363, J-L=-347/363, J-M=-672/2667, M-N=-672/2667, N-O=-672/2667, I-O=-672/2667, I-P=-467/2566, P-Q=-467/2566, H-Q=-467/2566, H-R=-80/113, R-S=-80/113, G-S=-80/113
WEBS D-I=-863/4096, E-I=-645/413, E-H=-273/617, C-I=-803/545, C-J=-457/858, B-J=-514/2697, F-H=-450/2576

- NOTES-**
- 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 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) K, G considers parallel to grain value using ANSI/TP1 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 895 lb uplift at joint K and 898 lb uplift at joint G.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1 1.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 459 lb down and 419 lb up at 3-2-1, 471 lb down and 149 lb up at 5-2-1, 1303 lb down and 253 lb up at 7-2-1, 1035 lb down and 112 lb up at 9-2-1, 1010 lb down and 107 lb up at 11-2-1, 1010 lb down and 107 lb up at 13-2-1, 303 lb down and 190 lb up at 15-2-1, and 303 lb down and 190 lb up at 17-2-1, and 306 lb down and 187 lb up at 19-2-1 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-B=-60, B-D=-60, D-F=-60, G-K=-20
Concentrated Loads (lb)
Vert: H=-303(B) L=-459(B) M=-451(B) N=-1224(B) O=-993(B) P=-972(B) Q=-972(B) R=-303(B) S=-306(B)



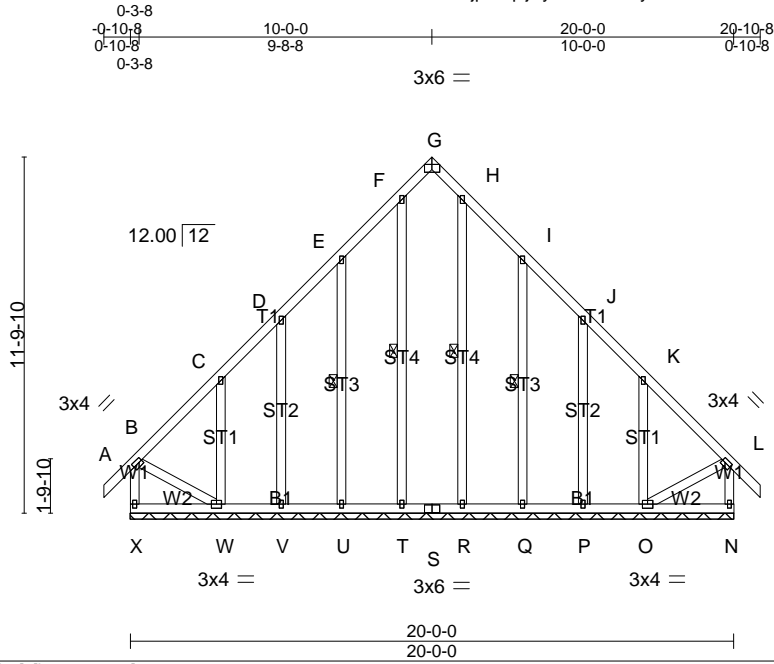
This truss is to be fabricated per ANSI/TP1 quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



Job 69016741	Truss B3	Truss Type Common Supported Gable	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

8,240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:55:55 2019 Page 1
ID:BvjpuXq2jRyKdENYXo1ywFzVzvu-f6Bdl0o3DCLANrYfgRL1yF101A8QRIBjzAIVezPUY



Scale = 1:76.4

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

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 0.14	Vert(LL) -0.00 L n/r 120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.07	Vert(CT) -0.00 L n/r 90		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.11	Horz(CT) 0.01 G n/a n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-SH			
				Weight: 175 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
WEBS 2x4 SP No.3	10-0-0 oc bracing: W-X,N-O.
OTHERS 2x4 SP No.3	WEBS 1 Row at midpt F-T, E-U, H-R, I-Q

REACTIONS. (lb/size) X=157/20-0-0 (min. 0-2-0), G=78/20-0-0 (min. 0-2-0), N=157/20-0-0 (min. 0-2-0), T=123/20-0-0 (min. 0-2-0), U=170/20-0-0 (min. 0-2-0), V=144/20-0-0 (min. 0-2-0), W=216/20-0-0 (min. 0-2-0), R=123/20-0-0 (min. 0-2-0), Q=170/20-0-0 (min. 0-2-0), P=144/20-0-0 (min. 0-2-0), O=216/20-0-0 (min. 0-2-0)
 Max Horz X=327(LC 8)
 Max Uplift X=-153(LC 6), G=-49(LC 9), N=-75(LC 7), T=-67(LC 10), U=-116(LC 10), V=-98(LC 10), W=-252(LC 10), R=-67(LC 11), Q=-116(LC 11), P=-98(LC 11), O=-240(LC 11)
 Max Grav X=278(LC 18), G=380(LC 11), N=216(LC 17), T=142(LC 17), V=163(LC 17), W=322(LC 17), R=141(LC 18), Q=194(LC 18), P=164(LC 18), O=299(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD B-X=-251/167, A-B=0/43, B-C=-213/208, C-D=-158/161, D-E=-129/191, E-F=-224/283, F-G=-273/349, G-H=-273/349, H-I=-224/283, I-J=-129/174, J-K=-83/103, K-L=-165/142, L-M=0/43, L-N=-190/90
 BOT CHORD W-X=-310/311, V-W=-152/206, U-V=-152/206, T-U=-152/206, S-T=-152/206, R-S=-152/206, Q-R=-152/206, P-Q=-152/206, O-P=-152/206, N-O=-16/32
 WEBS F-T=-109/91, E-U=-174/140, D-V=-143/119, C-W=-217/167, H-R=-109/91, I-Q=-174/140, J-P=-143/119, K-O=-217/167, B-W=-217/242, L-O=-160/219

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only.
 - 4) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 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 153 lb uplift at joint X, 49 lb uplift at joint G, 75 lb uplift at joint N, 67 lb uplift at joint T, 116 lb uplift at joint U, 98 lb uplift at joint V, 252 lb uplift at joint W, 67 lb uplift at joint R, 116 lb uplift at joint Q, 98 lb uplift at joint P and 240 lb uplift at joint O.
 - 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1.

LOAD CASE(S) Standard



Job 69016741	Truss C1	Truss Type Common Girder	Qty 1	Ply 2	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton ID: BvjuXq2jRyKdENYXo1ywFzVzvu-3htm1qyW7jEJHELZukawPsN2aeyjkPp5zPUnV 8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:55:58 2019 Page 1

0-3-8 5-8-0 11-4-0 12-2-8
0-3-8 5-4-8 5-8-0 0-10-8

5x6 =

Scale = 1:51.1

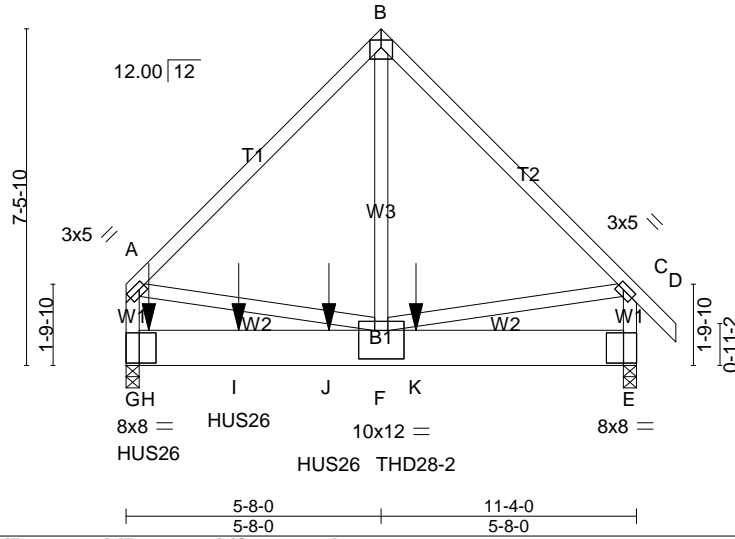


Plate Offsets (X,Y)-- [A:0-1-12,0-1-8], [C:0-1-12,0-1-8], [E:0-4-8,0-4-0], [F:0-6-0,0-7-8], [G:0-4-8,0-4-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFLL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.68	Vert(LL) 0.04 E-F >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.62	Vert(CT) -0.07 F-G >999 180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.76	Horz(CT) 0.00 E n/a n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-MSH			
				Weight: 198 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x10 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) G=5008/0-3-8 (min. 0-1-11), E=2839/0-3-8 (min. 0-1-8)
Max Horz G=202(LC 6)
Max Uplift G=1202(LC 9), E=1204(LC 8)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-2940/1197, B-C=-2947/1200, C-D=0/43, A-G=-2580/1026, C-E=-2680/1020
BOT CHORD G-H=-229/420, H-I=-229/420, I-J=-229/420, F-J=-229/420, F-K=-187/194, E-K=-187/194
WEBS B-F=-1530/3692, A-F=-831/1759, C-F=-840/1905

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-2-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) G, E considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1202 lb uplift at joint G and 1204 lb uplift at joint E.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-6-1 from the left end to 2-6-1 to connect truss(es) a3 (1 ply 2x4 SP), a4 (1 ply 2x4 SP) to front face of bottom chord.
 - Use USP HUS26 (With 14-16d nails into Girder & 4-16d nails into Truss) or equivalent at 4-6-1 from the left end to connect truss(es) a5 (1 ply 2x4 SP) to front face of bottom chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
 - Use USP THD28-2 (With 28-16d nails into Girder & 16-10d nails into Truss) or equivalent at 6-5-5 from the left end to connect truss(es) a6 (2 ply 2x6 SP) to front face of bottom chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
 - 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
Uniform Loads (plf)
Vert: A-B=-60, B-C=-60, C-D=-60, E-G=-20
Concentrated Loads (lb)
Vert: H=-1501(F) I=-1495(F) J=-1495(F) K=-2411(F)



Job 69016741	Truss C2	Truss Type COMMON SUPPORTED GAB	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton 8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:56:01 2019 Page 1

ID: BvjpuXq2jRyKdENYXo1ywFzVzvU-UGYUy3sqp25K5m0p0hSRCWY3mbDArSCA6vd3ilzPUnS

0'-3-8 5-8-0 11-4-0 12-2-8
0'-3-8 5-4-8 5-8-0 0-10-8

3x6 =

Scale = 1:48.7

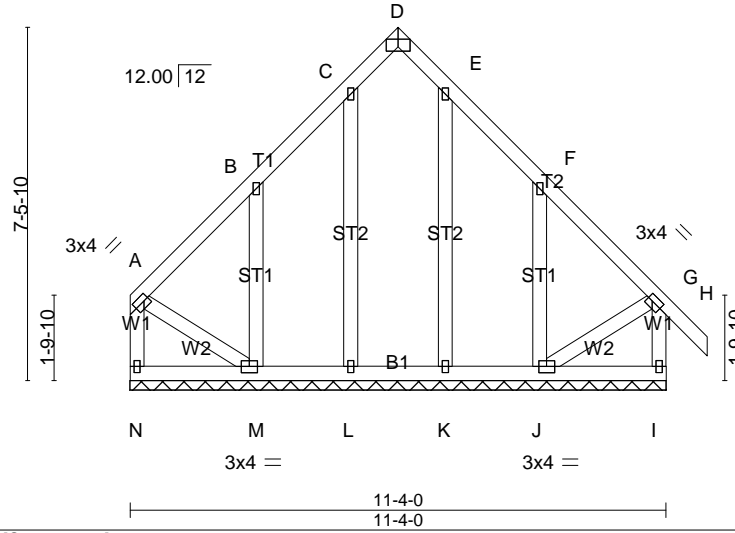


Plate Offsets (X,Y)-- [A:0-1-4,0-1-8], [D:0-3-0,Edge], [G:0-1-4,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.12	Vert(LL) -0.00 G n/r 120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.05	Vert(CT) -0.00 H n/r 90		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.08	Horz(CT) 0.00 I n/a n/a		
BCDL 10.0	Code IRC2015/TP2014	Matrix-SH			
				Weight: 85 lb	FT = 20%

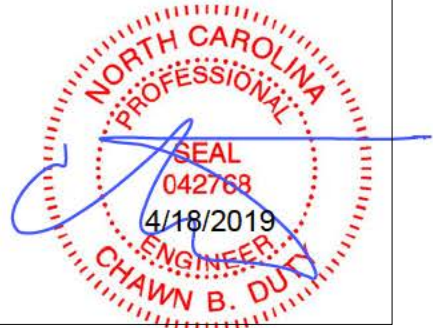
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	

REACTIONS. (lb/size) N=111/11-4-0 (min. 0-1-8), I=187/11-4-0 (min. 0-1-8), L=130/11-4-0 (min. 0-1-8), M=200/11-4-0 (min. 0-1-8), K=135/11-4-0 (min. 0-1-8), J=182/11-4-0 (min. 0-1-8)
 Max Horz N=-211(LC 6)
 Max Uplift N=-59(LC 8), I=-15(LC 9), L=-31(LC 10), M=-247(LC 10), K=-33(LC 11), J=-252(LC 11)
 Max Grav N=204(LC 10), I=229(LC 20), L=146(LC 17), M=278(LC 17), K=145(LC 18), J=261(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-N=-190/109, A-B=-179/123, B-C=-90/41, C-D=-60/49, D-E=-60/51, E-F=-81/31, F-G=-170/123, G-H=0/43, G-I=-207/105
 BOT CHORD M-N=-191/201, L-M=-135/260, K-L=-135/260, J-K=-135/260, I-J=-16/38
 WEBS C-L=-109/53, B-M=-221/180, E-K=-108/55, F-J=-221/166, A-M=-175/211, G-J=-158/262

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only.
 - 4) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 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 59 lb uplift at joint N, 15 lb uplift at joint I, 31 lb uplift at joint L, 247 lb uplift at joint M, 33 lb uplift at joint K and 252 lb uplift at joint J.
 - 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

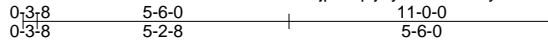


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



Job 69016741	Truss D1	Truss Type Common Girder	Qty 1	Ply 2	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton
 8,240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:56:04 2019 Page 1
 ID: BvjpuXq2jRyKdENYXo1ywFzVzvurE1B5vi5zTvYkOhq?8q9ASZo5H2jdotsJdzPUnP



5x6 =

Scale: 1/4"=1'

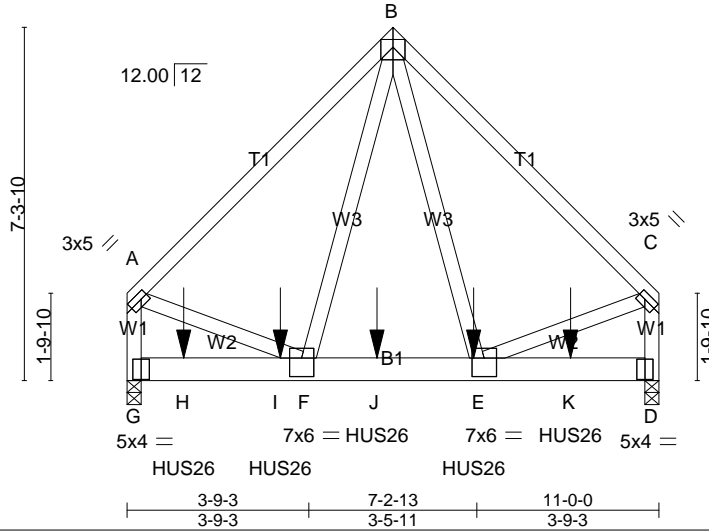


Plate Offsets (X,Y)-- [A:0-1-12,0-1-8], [C:0-1-12,0-1-8], [E:0-3-0,0-4-8], [F:0-3-0,0-4-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.60	Vert(LL) -0.02 E-F >999 240	MT20	244/180
TCDL 10.0	Lumber DOL 1.15	BC 0.60	Vert(CT) -0.05 E-F >999 180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.45	Horz(CT) 0.00 D n/a n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-MSH			
				Weight: 168 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 or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

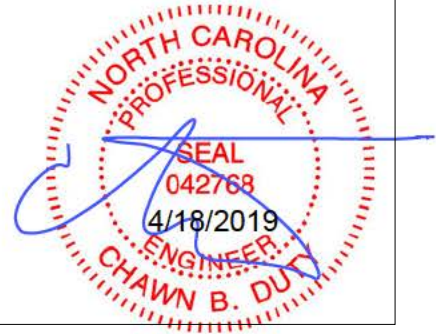
REACTIONS. (lb/size) G=4376/0-3-8 (min. 0-1-8), D=3954/0-3-8 (min. 0-1-8)
 Max Horz G=187(LC 24)
 Max Uplift G=459(LC 9), D=392(LC 8)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-3248/401, B-C=-3239/392, A-G=-3227/358, C-D=-3228/350
 BOT CHORD G-H=-222/335, H-I=-222/335, F-I=-222/335, F-J=-198/1677, E-J=-198/1677, E-K=-90/200, D-K=-90/200
 WEBS B-F=-250/2151, B-E=-223/2128, A-F=-261/2176, C-E=-260/2194

- NOTES-**
- 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 0-6-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) G, D considers parallel to grain value using ANSI/TP1 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 459 lb uplift at joint G and 392 lb uplift at joint D.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1 1.
 - Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-2-1 from the left end to 7-2-1 to connect truss(es) a2 (1 ply 2x4 SP), a3 (1 ply 2x4 SP), a4 (1 ply 2x4 SP) to front face of bottom chord.
 - Use USP HUS26 (With 14-16d nails into Girder & 4-16d nails into Truss) or equivalent at 9-2-1 from the left end to connect truss(es) a5 (1 ply 2x4 SP) to front face of bottom chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
 - Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced); Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: A-B=60, B-C=60, D-G=20
 Concentrated Loads (lb)
 Vert: E=-1495(F) H=-1494(F) I=-1494(F) J=-1495(F) K=-1495(F)



This truss is to be fabricated per ANSI/TP1 quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.

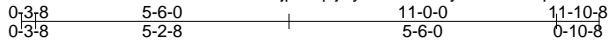


Job 69016741	Truss D2	Truss Type Common	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

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5x6 =

Scale = 1:47.4

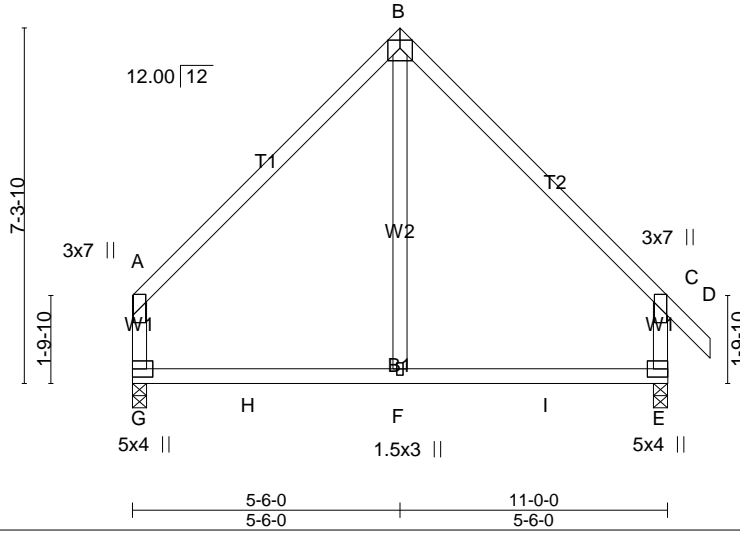


Plate Offsets (X,Y)-- [E:Edge,0-3-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.72	Vert(LL) -0.06 F >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.40	Vert(CT) -0.11 E-F >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.10	Horz(CT) 0.00 E n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MR			
				Weight: 56 lb	FT = 20%

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

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

REACTIONS. (lb/size) G=425/0-3-8 (min. 0-1-8), E=493/0-3-8 (min. 0-1-8)
Max Horz G=207(LC 6)
Max Uplift G=46(LC 11), E=46(LC 10)
Max Grav G=490(LC 18), E=534(LC 17)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-442/138, B-C=-449/137, C-D=0/43, A-G=-371/142, C-E=-428/188
BOT CHORD G-H=-38/276, F-H=-38/276, F-I=-38/276, E-I=-38/276
WEBS B-F=0/256

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint G and 46 lb uplift at joint E.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



Job 69016741	Truss D3	Truss Type Common Supported Gable	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton
 8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:56:09 2019 Page 1
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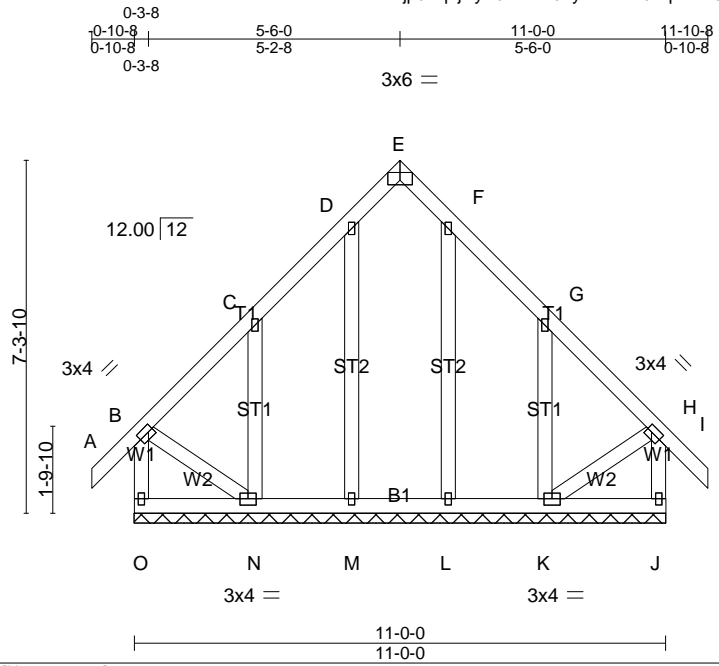


Plate Offsets (X,Y)-- [B:0-1-4,0-1-8], [E:0-3-0,Edge], [H:0-1-4,0-1-8]

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 0.11	Vert(LL) -0.00 I n/r 120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.05	Vert(CT) -0.00 I n/r 90		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.08	Horz(CT) 0.00 J n/a n/a		
BCDL 10.0	Code IRC2015/TP2014	Matrix-SH			
				Weight: 84 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.

REACTIONS. (lb/size) O=178/11-0-0 (min. 0-1-8), J=178/11-0-0 (min. 0-1-8), M=140/11-0-0 (min. 0-1-8), N=172/11-0-0 (min. 0-1-8), L=140/11-0-0 (min. 0-1-8), K=172/11-0-0 (min. 0-1-8)
 Max Horz O=-215(LC 8)
 Max Uplift O=-33(LC 8), J=-22(LC 9), M=-38(LC 10), N=-251(LC 10), L=-36(LC 11), K=-250(LC 11)
 Max Grav O=227(LC 19), J=224(LC 20), M=156(LC 17), N=254(LC 17), L=150(LC 18), K=252(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD B-O=-205/112, A-B=0/43, B-C=-169/122, C-D=-84/44, D-E=-59/49, E-F=-59/49, F-G=-76/36, G-H=-166/122, H-I=0/43, H-J=-203/112
 BOT CHORD N-O=-201/196, M-N=-132/257, L-M=-132/257, K-L=-132/257, J-K=-18/40
 WEBS D-M=-118/61, C-N=-213/158, F-L=-112/59, G-K=-213/158, B-N=-154/262, H-K=-154/262

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint O, 22 lb uplift at joint J, 38 lb uplift at joint M, 251 lb uplift at joint N, 36 lb uplift at joint L and 250 lb uplift at joint K.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



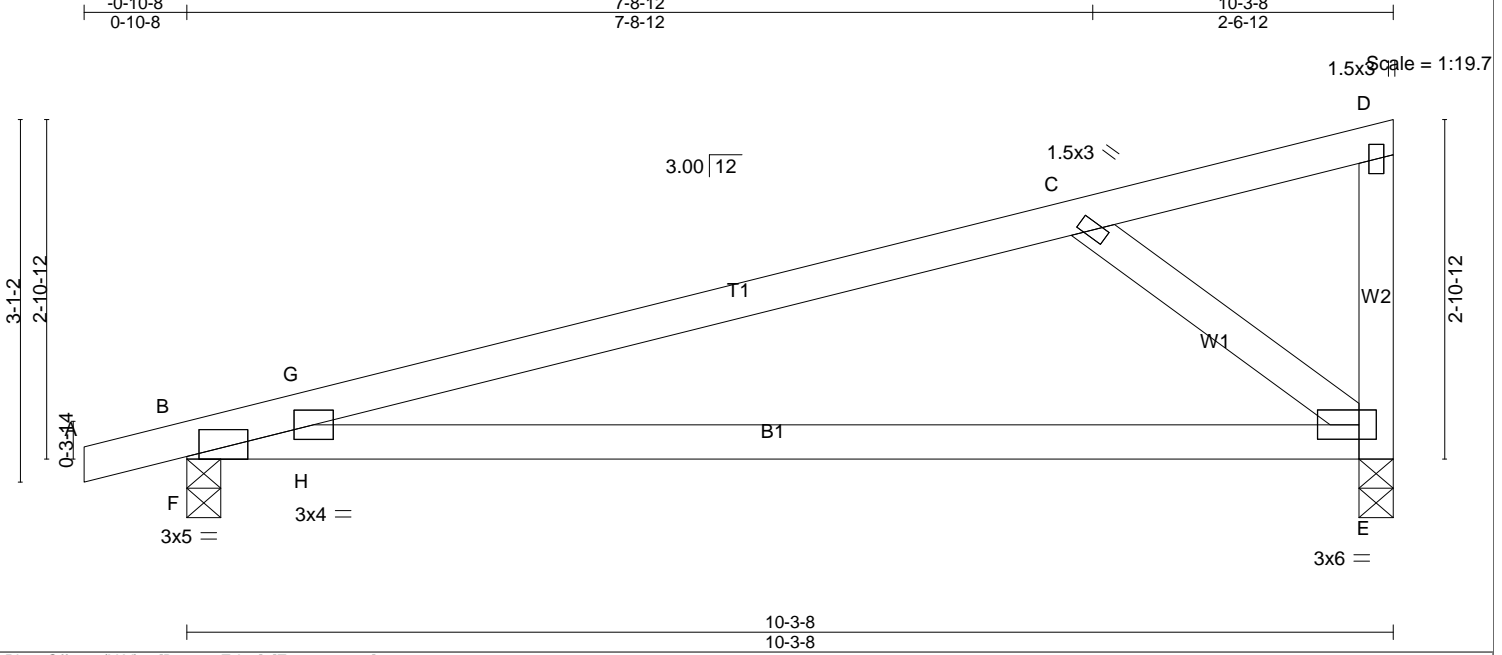


Plate Offsets (X,Y)-- [B:0-1-4,Edge], [E:0-4-4,0-1-8]

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 0.75	Vert(LL) -0.25 E-H >483 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.82	Vert(CT) -0.57 E-H >215 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.15	Horz(CT) 0.01 E n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MSH		Weight: 40 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-3-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) B=461/0-3-8 (min. 0-1-8), E=404/0-3-8 (min. 0-1-8)
 Max Horz B=108(LC 9)
 Max Uplift B=105(LC 6), E=80(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/13, B-G=-355/77, C-G=-548/222, C-D=-106/37, D-E=-9/73
 BOT CHORD F-H=-91/321, E-H=-186/512
 WEBS C-E=-590/304, B-F=-274/143, G-H=0/242, F-G=-317/78, B-H=-93/292

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * 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.
 - 4) 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.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 105 lb uplift at joint B and 80 lb uplift at joint E.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



Job 69016741	Truss E3	Truss Type Monopitch Supported Gable	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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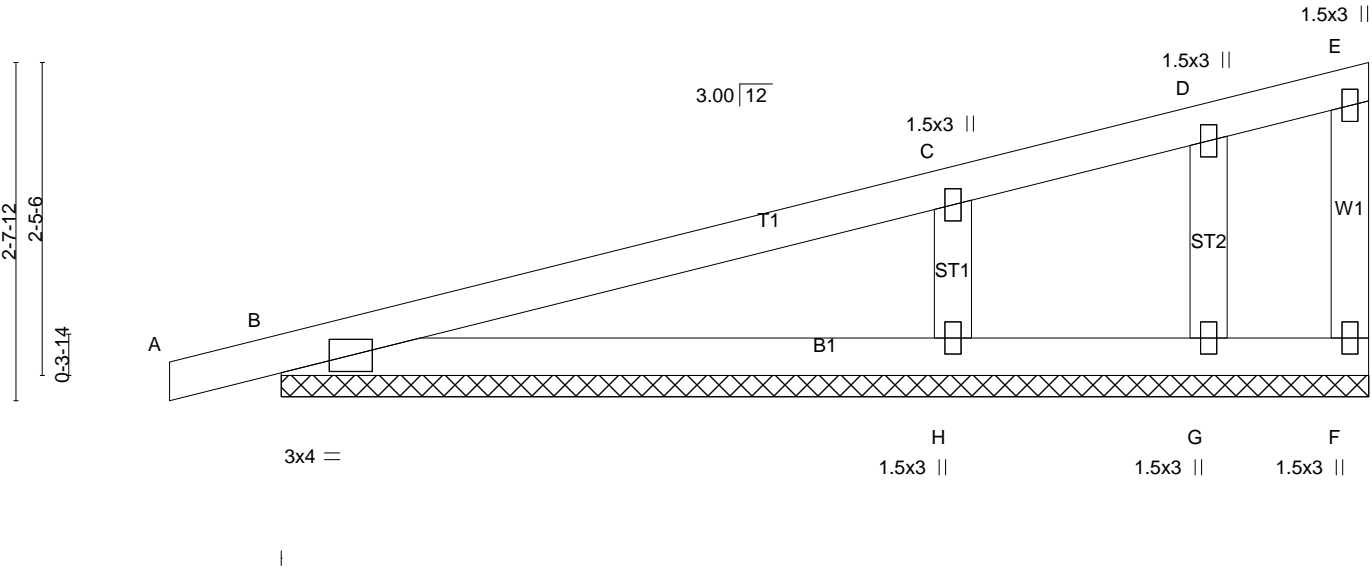
UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

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Scale = 1:18.0



LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.30 BC 0.21 WB 0.06 Matrix-SH	DEFL. in (loc) l/defl L/d Vert(LL) -0.00 A n/r 120 Vert(CT) 0.01 A n/r 90 Horz(CT) -0.00 F n/a n/a	PLATES GRIP MT20 244/190 Weight: 34 lb FT = 20%
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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.
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REACTIONS. (lb/size) F=81/8-6-0 (min. 0-1-8), B=228/8-6-0 (min. 0-1-8), H=446/8-6-0 (min. 0-1-8), G=34/8-6-0 (min. 0-1-8)
Max Horz B=90(LC 9)
Max Uplift F=13(LC 10), B=60(LC 6), H=93(LC 10), G=34(LC 1)
Max Grav F=81(LC 1), B=228(LC 1), H=446(LC 1), G=7(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/11, B-C=69/39, C-D=55/29, D-E=-35/32, E-F=-53/33
BOT CHORD B-H=-34/38, G-H=-34/38, F-G=-34/38
WEBS C-H=-309/207, D-G=0/17

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only.
 - 3) Gable requires continuous bottom chord bearing.
 - 4) Gable studs spaced at 2-0-0 oc.
 - 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 13 lb uplift at joint F, 60 lb uplift at joint B, 93 lb uplift at joint H and 34 lb uplift at joint G.
 - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



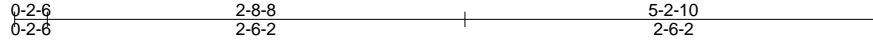
This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



Job 69016741	Truss PB1	Truss Type Piggyback	Qty 11	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:56:19 2019 Page 1
ID: BvjpuXq2jRyKdENYXo1ywFzVzvuykeiKD47ZaMmFXOH3TnfwJl8BrKJ3csqFi_0LFzPUUnA



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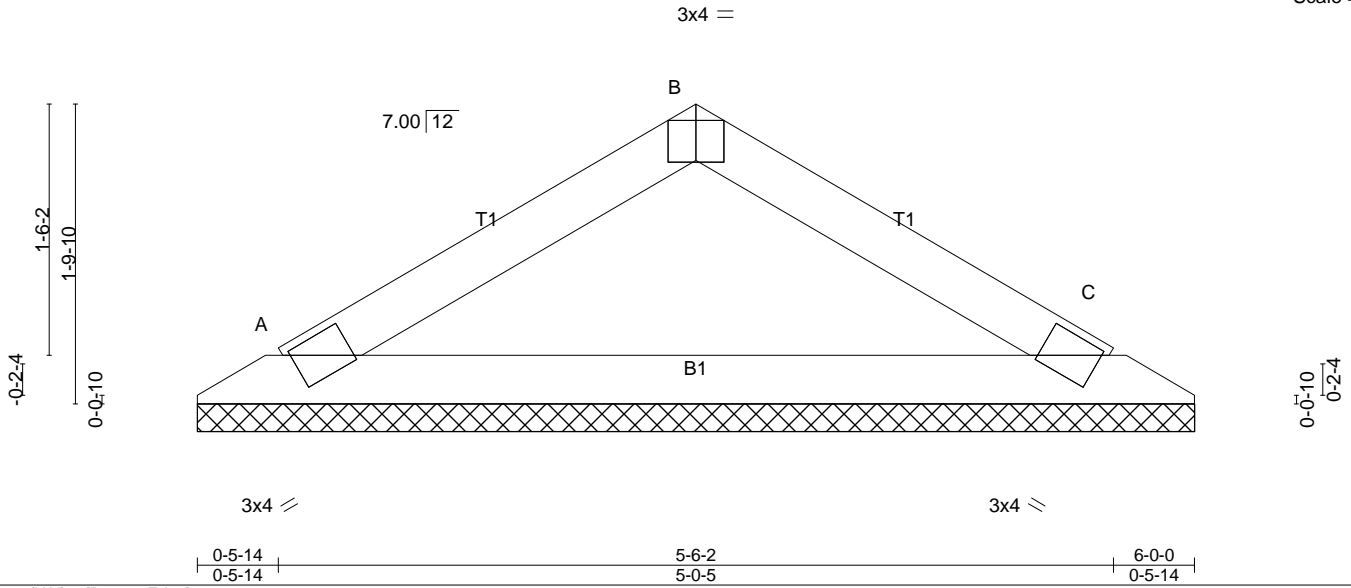


Plate Offsets (X,Y)-- [B:0-2-0,Edge]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.13	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.18	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 C n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-SH		Weight: 18 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=199/6-0-0 (min. 0-1-8), C=199/6-0-0 (min. 0-1-8)
Max Horz A=-37(LC 6)
Max Uplift A=-22(LC 10), C=-22(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-204/72, B-C=-204/72
BOT CHORD A-C=-22/158

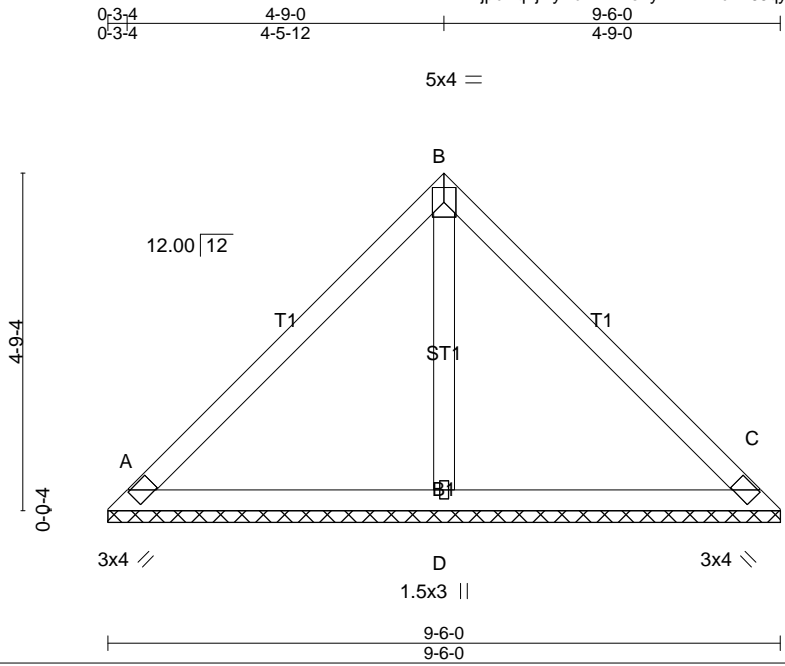
- NOTES-** (7)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 7) Piggyback cap bottom chord to be attached to 2x4 purlins located at each end of cap bottom chord and at 24" oc max spacing with two 16d nails each.

LOAD CASE(S) Standard



Job 69016741	Truss V1	Truss Type Valley	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton
 8,240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:56:22 2019 Page 1
 ID: BvjuXq2jRyKdENYXo1ywFzVzvu-MJJqyF7?sVIL6?6ricKMYYvdZ2KnGyZGxgDgyazPUnt7



Scale = 1:32.6

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.24 BC 0.20 WB 0.07 Matrix-SH	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 C n/a n/a	PLATES GRIP MT20 244/190 Weight: 39 lb FT = 20%
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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.
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REACTIONS. (lb/size) A=192/9-6-0 (min. 0-1-8), C=192/9-6-0 (min. 0-1-8), D=324/9-6-0 (min. 0-1-8)
 Max Horz A=109(LC 7)
 Max Uplift A=-31(LC 11), C=-31(LC 11), D=-18(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-171/86, B-C=-161/70
 BOT CHORD A-D=-30/79, C-D=-30/79
 WEBS B-D=-170/45

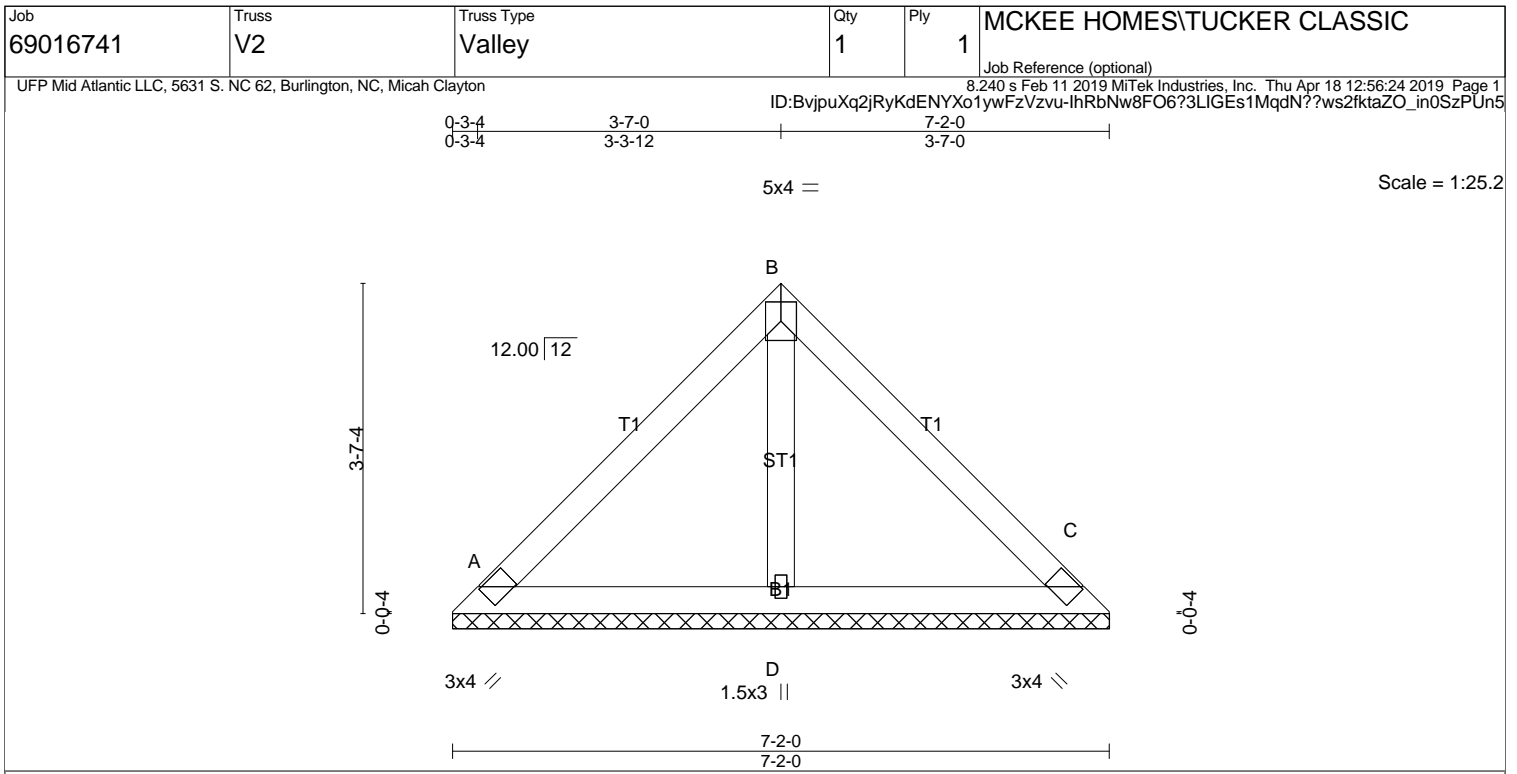
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint A, 31 lb uplift at joint C and 18 lb uplift at joint D.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.





LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.11	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.03	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.00 C n/a n/a		
	Code IRC2015/TPI2014			Weight: 29 lb	FT = 20%

<p>LUMBER-</p> <p>TOP CHORD 2x4 SP No.2</p> <p>BOT CHORD 2x4 SP No.2</p> <p>OTHERS 2x4 SP No.3</p>	<p>BRACING-</p> <p>TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.</p> <p>BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.</p>
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REACTIONS. (lb/size) A=141/7-2-0 (min. 0-1-8), C=141/7-2-0 (min. 0-1-8), D=238/7-2-0 (min. 0-1-8)

Max Horz A=80(LC 9)

Max Uplift A=-23(LC 11), C=-23(LC 11), D=-13(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension

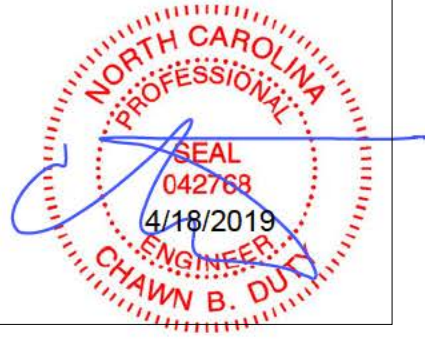
TOP CHORD A-B=-126/63, B-C=-119/53

BOT CHORD A-D=-22/58, C-D=-22/58

WEBS B-D=-125/35

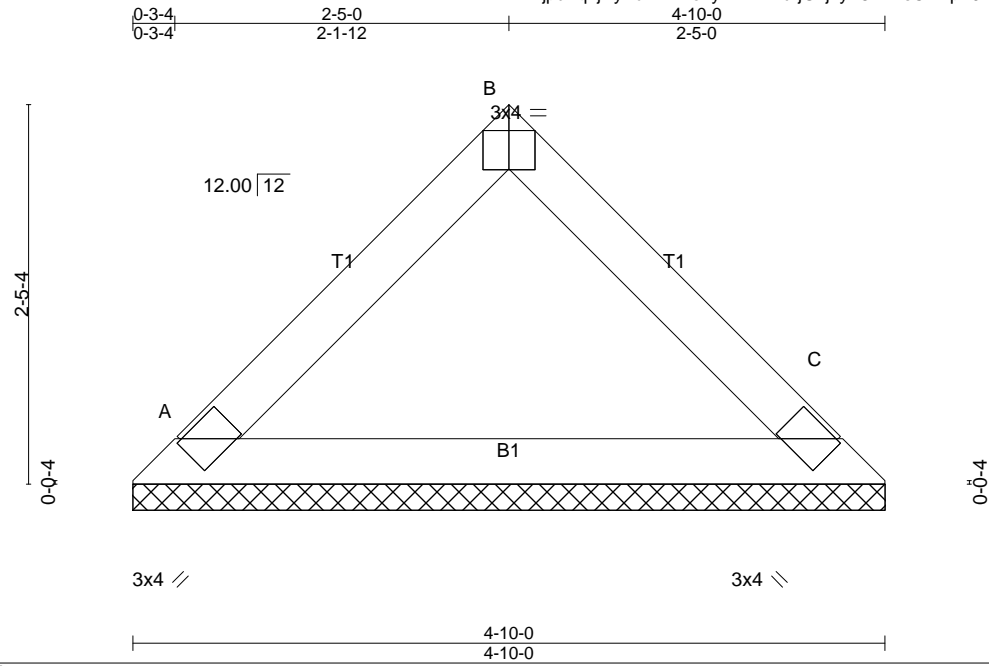
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint A, 23 lb uplift at joint C and 13 lb uplift at joint D.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



Job 69016741	Truss V3	Truss Type Valley	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton
 8,240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:56:27 2019 Page 1
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Plate Offsets (X,Y)-- [B:0-2-0,Edge]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.08 BC 0.21 WB 0.00 Matrix-P	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 C n/a n/a	PLATES MT20 GRIP 244/190 Weight: 16 lb FT = 20%
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LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2

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

REACTIONS. (lb/size) A=167/4-10-0 (min. 0-1-8), C=167/4-10-0 (min. 0-1-8)
 Max Horz A=-52(LC 6)
 Max Uplift A=-13(LC 10), C=-13(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-124/52, B-C=-124/52
 BOT CHORD A-C=-13/71

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint A and 13 lb uplift at joint C.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.

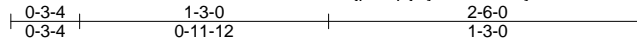


Job 69016741	Truss V4	Truss Type Valley	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:56:29 2019 Page 1

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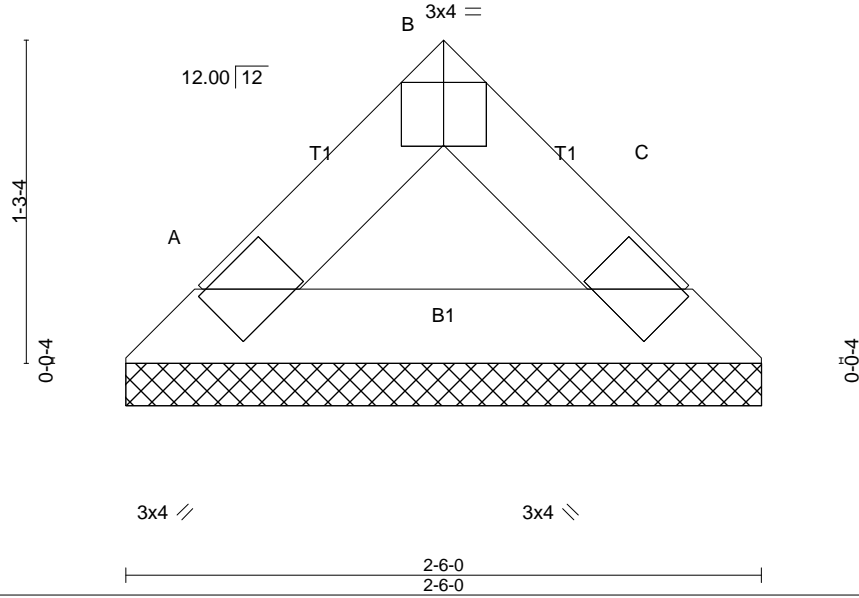


Plate Offsets (X,Y)-- [B:0-2-0,Edge]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.01	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.04	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 C n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P		Weight: 8 lb	FT = 20%

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

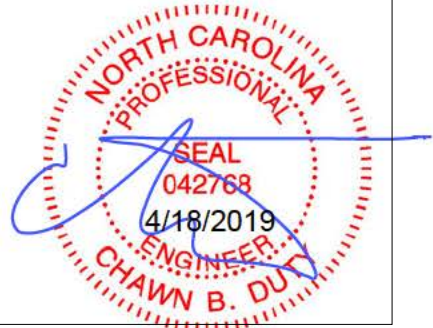
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=74/2-6-0 (min. 0-1-8), C=74/2-6-0 (min. 0-1-8)
Max Horz A=23(LC 6)
Max Uplift A=6(LC 10), C=6(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=55/23, B-C=55/23
BOT CHORD A-C=6/31

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint A and 6 lb uplift at joint C.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.

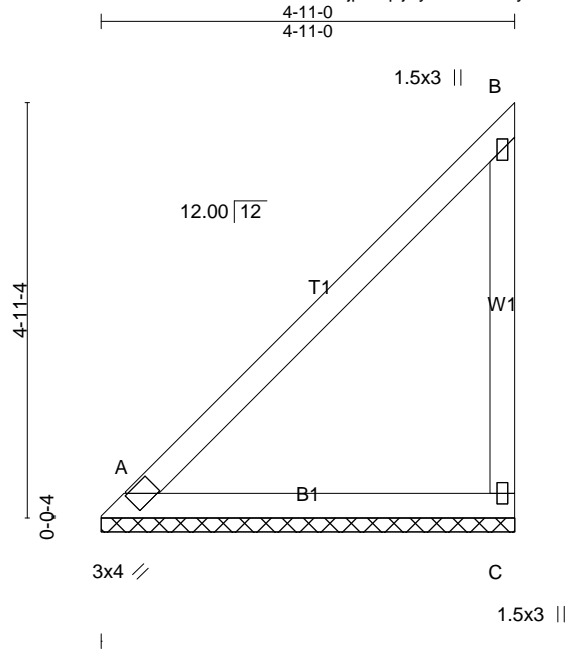


Job 69016741	Truss V5	Truss Type Valley	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Job Reference (optional)
8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:56:31 2019 Page 1

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Scale = 1:27.4

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.41	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.24	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 C n/a n/a		
	Code IRC2015/TPI2014			Weight: 23 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-11-4 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (lb/size) A=178/4-11-0 (min. 0-1-8), C=178/4-11-0 (min. 0-1-8)
 Max Horz A=167(LC 7)
 Max Uplift C=-79(LC 7)
 Max Grav A=200(LC 18), C=217(LC 17)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-152/117, B-C=-173/106
 BOT CHORD A-C=-81/88

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Gable requires continuous bottom chord bearing.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 79 lb uplift at joint C.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

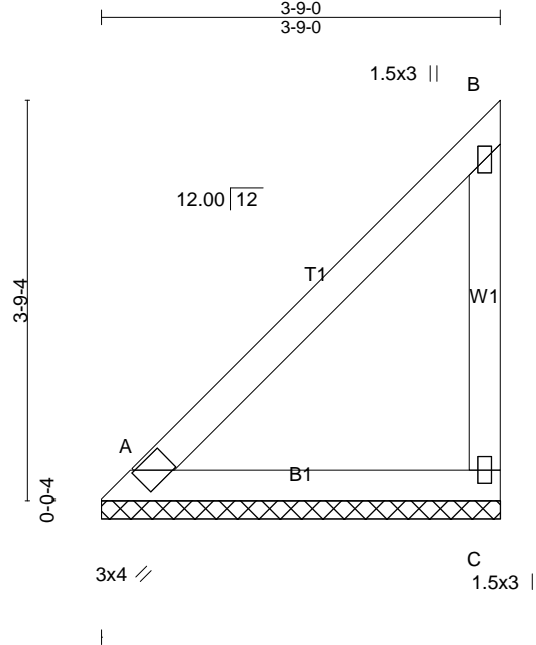


Job 69016741	Truss V6	Truss Type Valley	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Job Reference (optional)
8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:56:33 2019 Page 1

ID: BvjpuXq2jRyKdENYXo1ywfzVzvU-YQU?G?FvGt7nxhSzuQ1xVGtVHU7WLyKuTuNlqRzPUmy



Scale = 1:21.7

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.21 BC 0.12 WB 0.00 Matrix-P	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 C n/a n/a	PLATES GRIP MT20 244/190 Weight: 17 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 3-9-4 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS. (lb/size) A=131/3-9-0 (min. 0-1-8), C=131/3-9-0 (min. 0-1-8)
Max Horz A=123(LC 9)
Max Uplift C=58(LC 7)
Max Grav A=148(LC 18), C=160(LC 17)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-112/87, B-C=-127/78
BOT CHORD A-C=-60/65

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Gable requires continuous bottom chord bearing.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint C.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

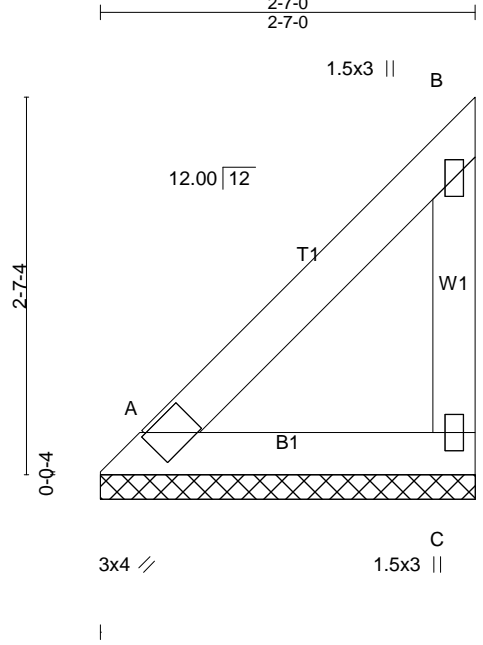


Job 69016741	Truss V7	Truss Type Valley	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:56:36 2019 Page 1

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Scale: 3/4"=1'

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.08 BC 0.05 WB 0.00 Matrix-P	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 C n/a n/a	PLATES GRIP MT20 244/190 Weight: 11 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 2-7-4 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS. (lb/size) A=84/2-7-0 (min. 0-1-8), C=84/2-7-0 (min. 0-1-8)
Max Horz A=79(LC 7)
Max Uplift C=-38(LC 7)
Max Grav A=95(LC 18), C=103(LC 17)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-72/56, B-C=-82/50
BOT CHORD A-C=-38/42

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Gable requires continuous bottom chord bearing.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint C.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.

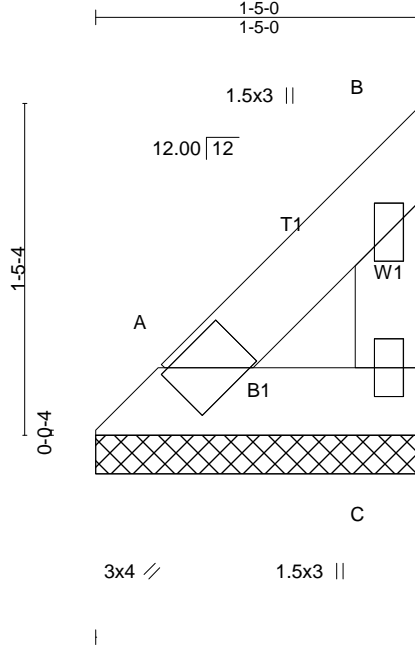


Job 69016741	Truss V8	Truss Type Valley	Qty 1	Ply 1	MCKEE HOMES\TUCKER CLASSIC
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

8.240 s Feb 11 2019 MiTek Industries, Inc. Thu Apr 18 12:56:38 2019 Page 1

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Scale = 1:10.0

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.02	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.01	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 C n/a n/a		
	Code IRC2015/TPI2014			Weight: 6 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 1-5-4 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (lb/size) A=38/1-5-0 (min. 0-1-8), C=38/1-5-0 (min. 0-1-8)
 Max Horz A=35(LC 7)
 Max Uplift C=17(LC 7)
 Max Grav A=42(LC 18), C=46(LC 17)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-32/25, B-C=-37/22
 BOT CHORD A-C=-17/19

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Gable requires continuous bottom chord bearing.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint C.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.

