

Job 68043893	Truss A1	Truss Type GABLE	Qty 1	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
------------------------	--------------------	----------------------------	-----------------	-----------------	--------------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill 8,220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:31:54 2018 Page 1
 ID:ntl3pxocOnPTBYMIqSP7Tiy6TkE-pNSFXtnCXbO_?F5eelcle3FnyBX65dlyjelVyc1?3

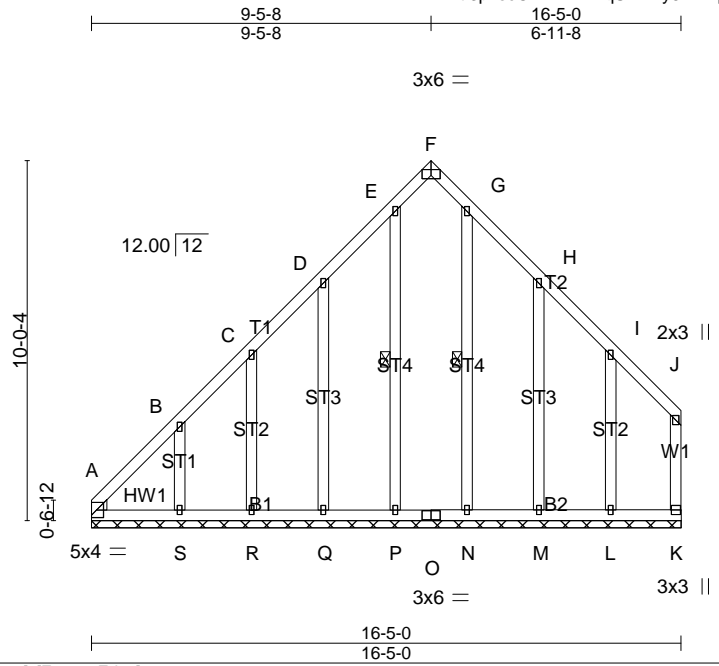


Plate Offsets (X,Y)-- [A:0-4-1,0-1-11], [A:0-0-14,0-0-14], [F:0-3-0,Edge]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCDL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2009/TP12007	CSI. TC 0.45 BC 0.16 WB 0.16 Matrix-SH	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 K n/a n/a	PLATES MT20 GRIP 244/190 Weight: 125 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
 WEDGE
 Left: 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt E-P, G-N

REACTIONS. (lb/size) K=69/16-5-0 (min. 0-1-9), P=154/16-5-0 (min. 0-1-9), Q=164/16-5-0 (min. 0-1-9), R=145/16-5-0 (min. 0-1-9), S=209/16-5-0 (min. 0-1-9), N=155/16-5-0 (min. 0-1-9), M=161/16-5-0 (min. 0-1-9), L=160/16-5-0 (min. 0-1-9), A=84/16-5-0 (min. 0-1-9)
 Max Horz A=542(LC 5)
 Max Uplift K=15(LC 6), P=188(LC 5), Q=303(LC 6), R=171(LC 6), S=306(LC 6), N=32(LC 5), M=304(LC 7), L=301(LC 7), A=362(LC 4)
 Max Grav K=69(LC 1), P=436(LC 4), Q=166(LC 10), R=145(LC 1), S=209(LC 10), N=334(LC 7), M=163(LC 11), L=161(LC 11), A=456(LC 5)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=641/542, B-C=466/500, C-D=348/474, D-E=235/577, E-F=68/323, F-G=46/323, G-H=104/552, H-I=73/300, I-J=51/112, J-K=52/97
 BOT CHORD A-S=57/124, R-S=57/124, Q-R=57/124, P-Q=57/124, O-P=57/124, N-O=57/124, M-N=57/124, L-M=57/124, K-L=57/124
 WEBS E-P=411/212, D-Q=124/344, C-R=112/204, B-S=145/304, G-N=336/58, H-M=122/344, I-L=122/260

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) 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) Gable studs spaced at 2-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 15 lb uplift at joint K, 188 lb uplift at joint P, 303 lb uplift at joint Q, 171 lb uplift at joint R, 306 lb uplift at joint S, 32 lb uplift at joint N, 304 lb uplift at joint M, 301 lb uplift at joint L and 362 lb uplift at joint A.
 - 10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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 68043893	Truss A2	Truss Type Roof Special	Qty 5	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	----------------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill
 8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:31:55 2018 Page 1
 ID:ntl3pxocOnPTBYMlqSP7Tiy6TkE-Ha0dttuPzrjFc9qHCMGrrrbOzLn9rTGRBNgBHxyc1?2

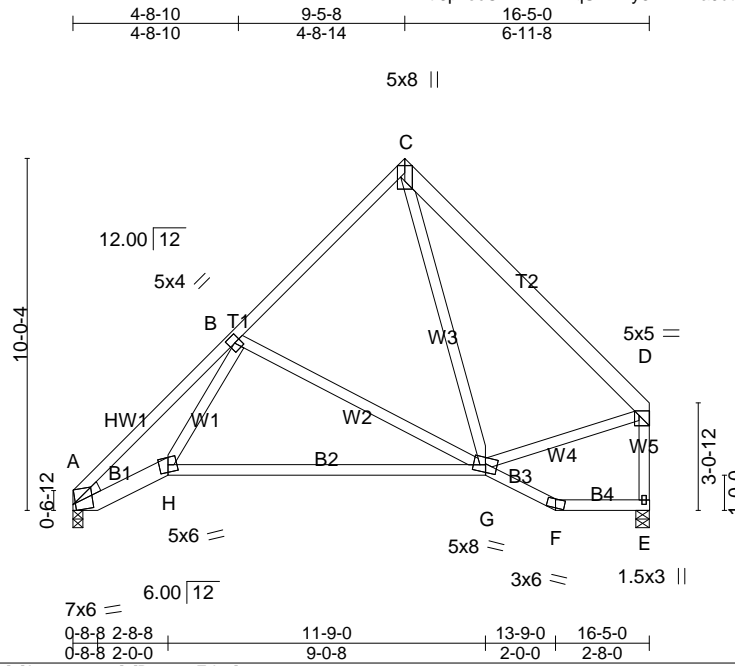


Plate Offsets (X,Y)-- [A:0-0-12,Edge], [A:0-6-15,0-2-4], [A:0-0-2,0-0-1], [D:0-1-8,Edge]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.62	Vert(LL) -0.23 G-H >867 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.78	Vert(TL) -0.58 G-H >336 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.45	Horz(TL) 0.05 E n/a n/a		
BCDL 10.0	Code IRC2009/TP12007	Matrix-MSH			
				Weight: 114 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2 *Except*
 T2: 2x6 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 B1: 2x6 SP No.2
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-3-3 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 7-11-5 oc bracing.

REACTIONS. (lb/size) E=651/0-4-8 (min. 0-1-8), A=651/0-3-8 (min. 0-1-8)
 Max Horz A=530(LC 5)
 Max Uplift E=285(LC 6), A=-248(LC 7)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-1190/526, B-C=-463/346, C-D=-588/319, D-E=-626/316
 BOT CHORD A-H=-681/855, G-H=-499/574, F-G=-15/68, E-F=-21/32
 WEBS B-H=-251/571, C-G=-155/336, D-G=-174/367, B-G=-361/473

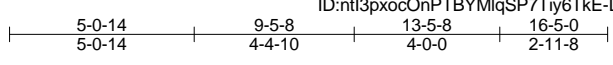
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; 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.
 - 5) Bearing at joint(s) A 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 285 lb uplift at joint E and 248 lb uplift at joint A.
 - 7) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



Job 68043893	Truss A3	Truss Type ROOF TRUSS	Qty 3	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	--------------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill 8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:31:57 2018 Page 1



5x6 = Scale = 1:63.2

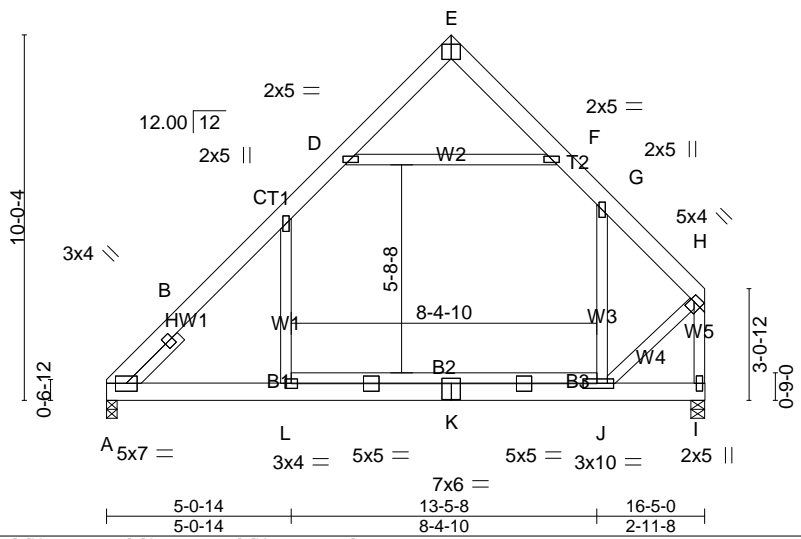


Plate Offsets (X,Y)-- [A:0-3-4,0-0-0], [E:0-3-0,Edge], [H:0-1-4,0-2-0], [J:0-2-0,0-1-8], [K:0-3-0,0-0-4]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.37	Vert(LL) -0.10 J-L >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.74	Vert(TL) -0.20 L >966 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.38	Horz(TL) 0.01 I n/a n/a		
BCDL 10.0	Code IRC2009/TP12007	Matrix-MSH	Attic -0.07 J-L 1550 360	Weight: 140 lb	FT = 4%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
B2: 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-11-12

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

REACTIONS. (lb/size) A=837/0-3-8 (min. 0-1-8), I=890/0-4-8 (min. 0-1-8)
Max Horz A=308(LC 4)
Max Uplift A=-40(LC 6), I=-56(LC 5)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-661/41, B-C=-745/91, C-D=-576/141, D-E=-114/78, E-F=-159/62, F-G=-596/149, G-H=-775/124, H-I=-1119/120
BOT CHORD A-L=-67/527, K-L=-67/528, J-K=-67/528, I-J=-15/28
WEBS H-J=-73/756, G-J=-8/212, C-L=-48/294, D-F=-518/178

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; 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.
 - 5) Ceiling dead load (5.0 psf) on member(s). C-D, F-G, D-F
 - 6) Bottom chord live load (20.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. J-L
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint A and 56 lb uplift at joint I.
 - 8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard

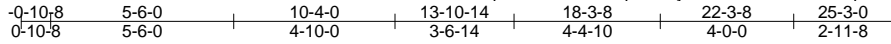


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design 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 68043893	Truss A4	Truss Type ROOF TRUSS	Qty 2	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
------------------------	--------------------	---------------------------------	-----------------	-----------------	--------------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill 8,220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:31:58 2018 Page 1



5x6 =

Scale = 1:69.1

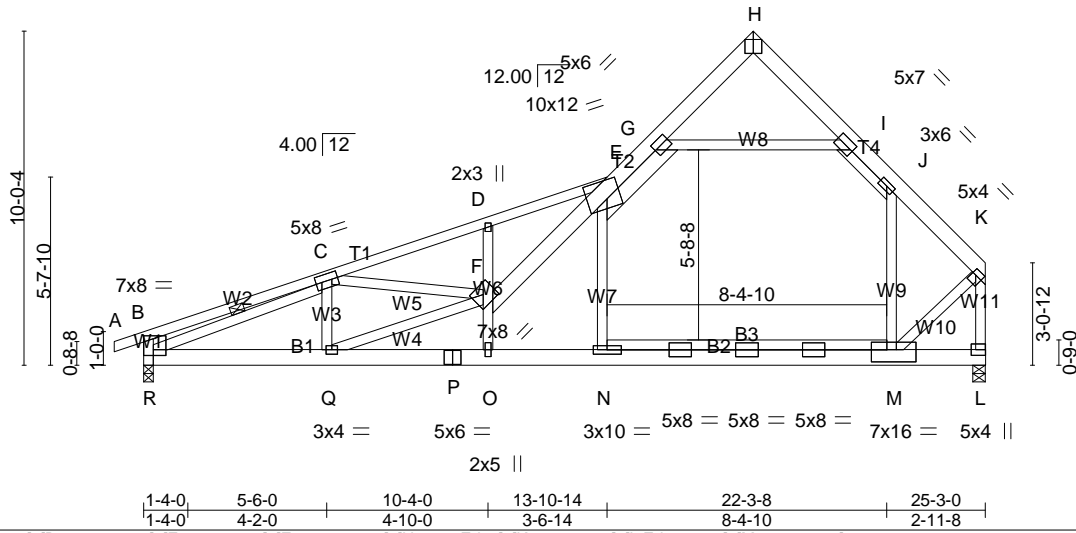


Plate Offsets (X,Y)-- [B:0-4-8,0-2-0], [B:0-1-12,0-0-9], [E:0-7-1,0-6-9], [F:0-4-4,0-3-12], [H:0-3-0,Edge], [K:0-1-4,0-2-0], [L:Edge,0-3-8], [M:0-7-0,0-4-4]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.84	Vert(LL) -0.38 N-O >778 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.93	Vert(TL) -0.85 N-O >352 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.61	Horz(TL) 0.03 L n/a n/a		
BCDL 10.0	Code IRC2009/TP12007	Matrix-MSH	Attic -0.20 M-N 519 360		
				Weight: 218 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* T2: 2x6 SP SS, T4: 2x6 SP No.1, T3: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-10-12 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* B1: 2x6 SP No.2, B2: 2x6 SP SS	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3 *Except* W9,W7,W8: 2x4 SP No.2	WEBS 1 Row at midpt C-R

REACTIONS. (lb/size) L=1307/0-4-8 (min. 0-1-9), R=1181/0-3-8 (min. 0-1-8)
Max Horz R=343(LC 4)
Max Uplift L=93(LC 5), R=235(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/19, B-C=-529/160, C-D=-2644/414, D-E=-2677/486, E-F=-415/1856, E-G=-761/151, G-H=-55/228, H-I=-243/77, I-J=-1069/191, J-K=-1345/163, B-R=-392/190, K-L=-1933/177
BOT CHORD Q-R=-284/1984, P-Q=-29/1004, O-P=-29/1004, N-O=-24/979, M-N=-39/1008, L-M=-39/31
WEBS C-Q=-336/184, C-R=-1688/167, K-M=-96/1471, J-M=-3/324, E-N=-388/194, G-I=-1068/212, F-O=-33/470, D-F=-329/172, C-F=-52/472, F-Q=-324/1077

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; 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.
 - 5) Ceiling dead load (5.0 psf) on member(s). E-G, I-J, G-I
 - 6) Bottom chord live load (20.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. M-N
 - 7) Bearing at joint(s) R considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint L and 235 lb uplift at joint R.
 - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 11) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard

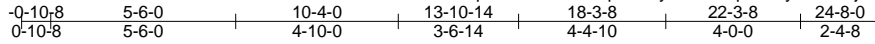


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design 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 SBCEA and Truss Plate Institute.



Job 68043893	Truss A5	Truss Type ROOF TRUSS	Qty 6	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	--------------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill ID:ntl3pxocOnPTBYMlqSP7Tiy6TkE-dXpWwayYnNMXjwiF?vs0YvICfMRmWgMALiOyx9yc1_z 8,220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:00 2018 Page 1



5x6 = Scale = 1:68.5

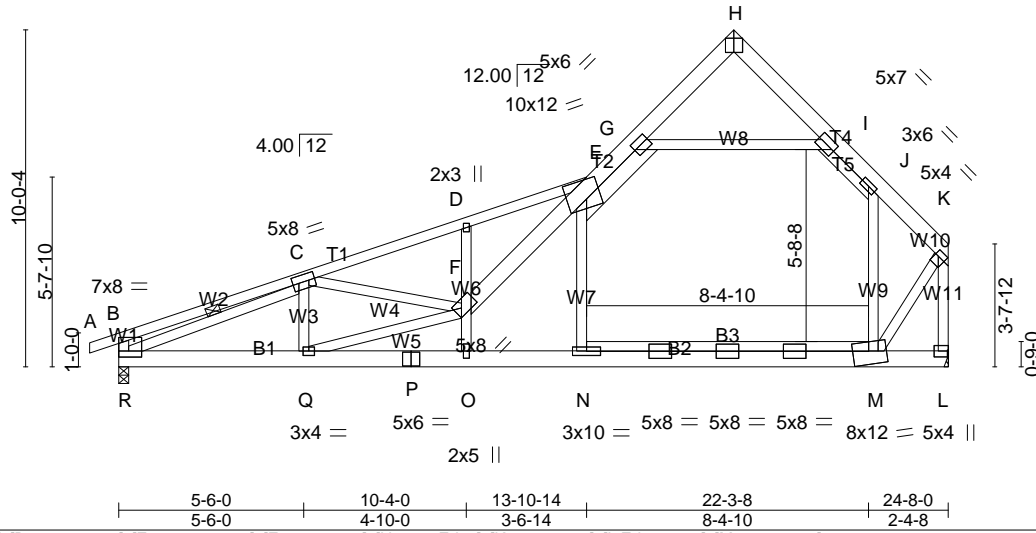


Plate Offsets (X,Y)-- [B:Edge,0-2-0], [B:0-1-12,0-0-9], [E:0-6-13,0-6-12], [F:0-5-8,0-2-8], [H:0-3-0,Edge], [K:0-1-4,0-2-0], [L:Edge,0-3-8], [M:0-3-0,0-4-3]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.81	Vert(LL) -0.38 N-O >760 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 1.00	Vert(TL) -0.85 N-O >344 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.72	Horz(TL) 0.03 L n/a n/a		
BCDL 10.0	Code IRC2009/TP12007	Matrix-MSH	Attic 0.20 M-N 526 360		Weight: 216 lb FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* T2: 2x6 SP SS, T4: 2x6 SP No.1, T3: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-1-1 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* B1: 2x6 SP No.2, B2: 2x6 SP SS	BOT CHORD Rigid ceiling directly applied or 1-4-12 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt C-R

REACTIONS. (lb/size) R=1150/0-3-8 (min. 0-1-8), L=1291/Mechanical
 Max Horz R=352(LC 4)
 Max Uplift R=236(LC 3), L=94(LC 5)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/19, B-C=-520/160, C-D=-2379/374, D-E=-2408/446, E-F=-382/1710, E-G=-698/145, G-H=-56/223, H-I=-254/78, I-J=-1011/185, J-K=-1141/154, B-R=-388/189, K-L=-2166/203
 BOT CHORD Q-R=-282/1910, P-Q=-39/915, O-P=-39/915, N-O=-37/888, M-N=-49/922, L-M=-27/39
 WEBS C-Q=-275/162, F-O=-41/524, D-F=-334/174, C-R=-1617/169, K-M=-127/1737, J-M=-23/183, E-N=-451/203, G-I=-970/203, F-Q=-312/1057, C-F=-15/302

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; 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.
 - 5) Ceiling dead load (5.0 psf) on member(s). E-G, I-J, G-I
 - 6) Bottom chord live load (20.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. M-N
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 236 lb uplift at joint R and 94 lb uplift at joint L.
 - 8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) 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/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 68043893	Truss A6	Truss Type Roof Special	Qty 5	Ply 14-4-0	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	----------------------------	----------	---------------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill 8,220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:02 2018 Page 1

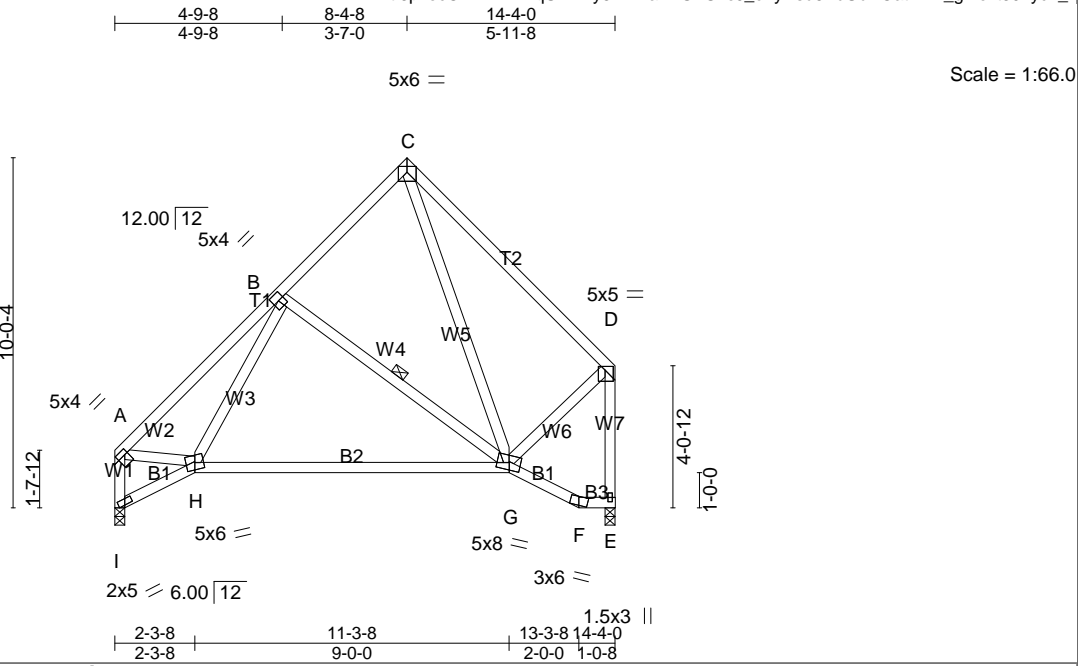


Plate Offsets (X,Y)-- [A:0-1-0,0-1-12], [D:0-2-12,0-1-4], [I:0-2-8,0-0-15]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.70	Vert(LL) -0.22 G-H >754 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.75	Vert(TL) -0.57 G-H >298 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.34	Horz(TL) 0.02 E n/a n/a		
BCDL 10.0	Code IRC2009/TP12007	Matrix-MSH			
				Weight: 102 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 7-4-1 oc bracing.
WEBS 1 Row at midpt B-G

REACTIONS. (lb/size) E=562/0-3-8 (min. 0-1-8), I=562/0-3-8 (min. 0-1-8)
Max Horz I=565(LC 5)
Max Uplift E=-264(LC 6), I=-219(LC 7)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=640/290, B-C=327/326, C-D=415/337, A-I=589/291, D-E=563/252
BOT CHORD H-I=633/544, G-H=441/469, F-G=47/86, E-F=-51/67
WEBS B-H=-219/327, B-G=-235/387, C-G=-214/215, A-H=0/369, D-G=-171/346

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) 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.
 - 5) Bearing at joint(s) I considers parallel to grain value using ANSI/TP1 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 264 lb uplift at joint E and 219 lb uplift at joint I.
 - 7) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1 1.

LOAD CASE(S) Standard



Job 68043893	Truss A7	Truss Type GABLE	Qty 1	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	---------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill 8,220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:03 2018 Page 1

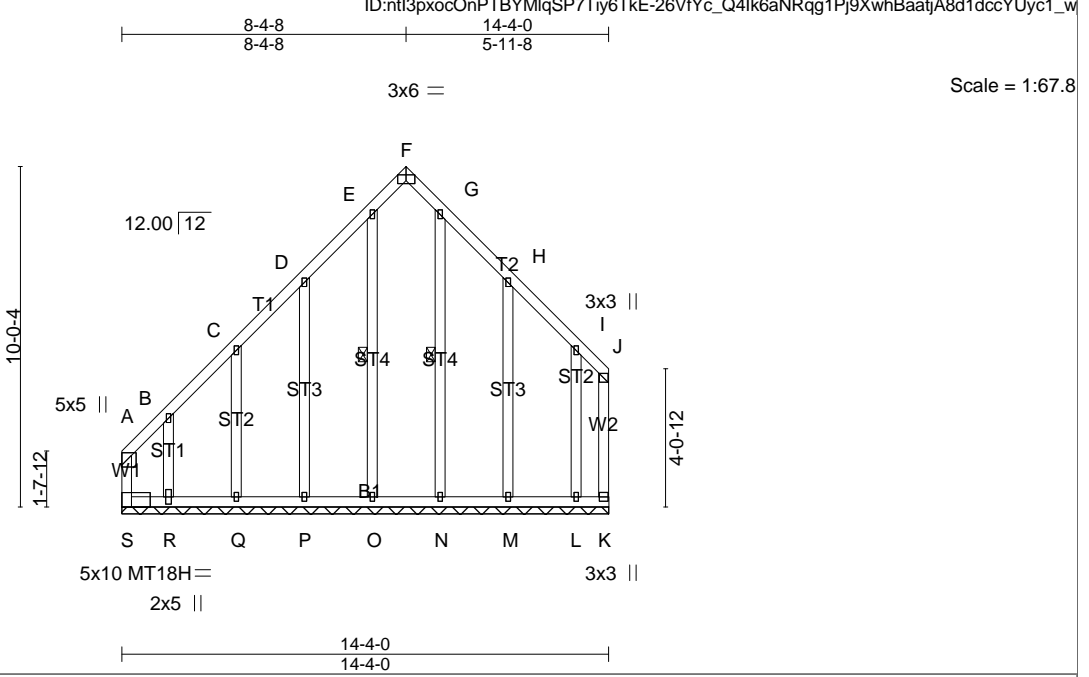


Plate Offsets (X,Y)-- [F:0-3-0,Edge], [S:0-6-8,0-0-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.92	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.53	Vert(TL) n/a - n/a 999	MT18H	244/190
BCLL 0.0 *	Rep Stress Incr YES	WB 0.14	Horz(TL) 0.00 K n/a n/a		
BCDL 10.0	Code IRC2009/TP12007	Matrix-R			Weight: 121 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-11-4 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	WEBS 1 Row at midpt E-O, G-N
OTHERS 2x4 SP No.3	

REACTIONS. (lb/size) S=36/14-4-0 (min. 0-1-8), K=21/14-4-0 (min. 0-1-8), O=159/14-4-0 (min. 0-1-8), P=159/14-4-0 (min. 0-1-8), Q=164/14-4-0 (min. 0-1-8), R=141/14-4-0 (min. 0-1-8), N=157/14-4-0 (min. 0-1-8), M=166/14-4-0 (min. 0-1-8), L=121/14-4-0 (min. 0-1-8)
 Max Horz S=563(LC 5)
 Max Uplift S=788(LC 4), K=215(LC 5), O=157(LC 5), P=308(LC 6), Q=151(LC 6), R=781(LC 5), N=6(LC 5), M=319(LC 7), L=360(LC 4)
 Max Grav S=974(LC 5), K=222(LC 4), O=386(LC 4), P=161(LC 10), Q=164(LC 1), R=597(LC 4), N=301(LC 7), M=168(LC 11), L=301(LC 5)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-S=-635/525, A-B=-733/610, B-C=-423/434, C-D=-321/426, D-E=-201/550, E-F=-53/324, F-G=-44/323, G-H=-71/551, H-I=-42/284, I-J=-12/162, J-K=-39/124
 BOT CHORD R-S=-104/131, Q-R=-104/131, P-Q=-104/131, O-P=-104/131, N-O=-104/131, M-N=-104/131, L-M=-104/131, K-L=-104/131
 WEBS E-O=-364/185, D-P=-121/347, C-Q=-123/206, B-R=-273/424, G-N=-335/33, H-M=-127/355, I-L=-112/195

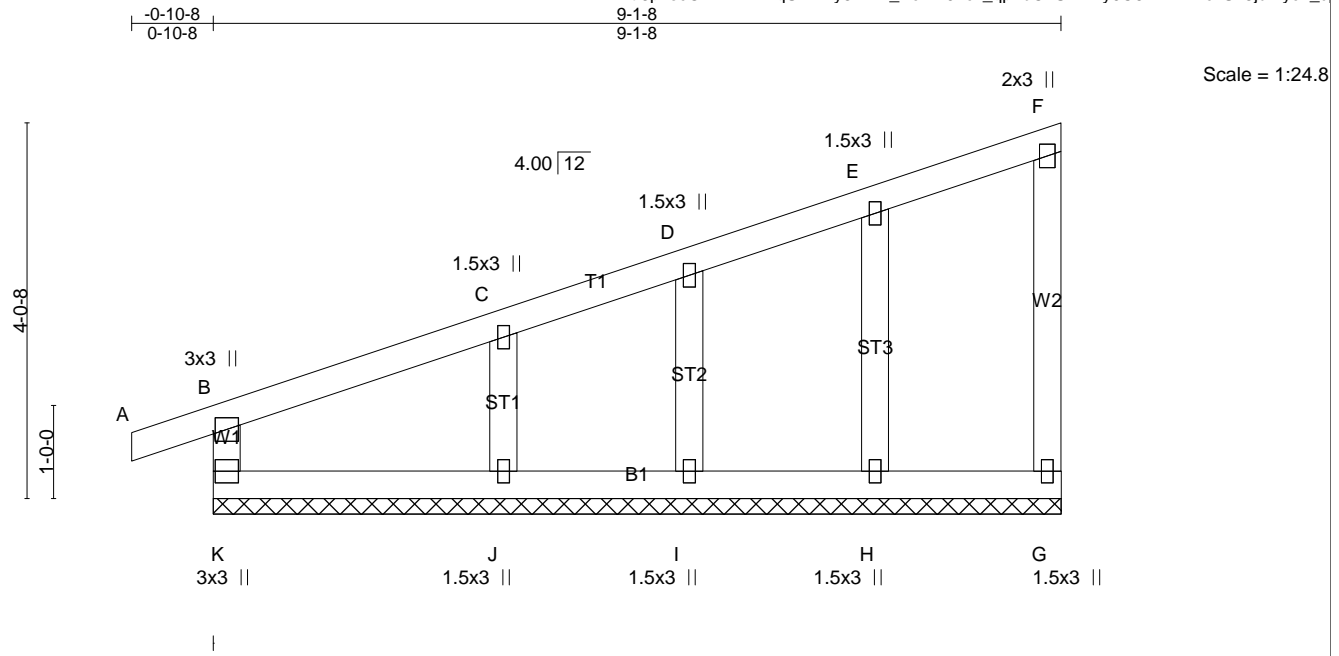
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; 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 MT20 plates unless otherwise indicated.
 - 5) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 8) Gable studs spaced at 2-0-0 oc.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 11) 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.
 - 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 788 lb uplift at joint S, 215 lb uplift at joint K, 157 lb uplift at joint O, 308 lb uplift at joint P, 151 lb uplift at joint Q, 781 lb uplift at joint R, 6 lb uplift at joint N, 319 lb uplift at joint M and 360 lb uplift at joint L.
 - 13) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.25	Vert(LL) 0.00 A n/r 120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.13	Vert(TL) 0.00 A n/r 90		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.08	Horz(TL) 0.00 G n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-R			
				Weight: 45 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) K=173/9-1-8 (min. 0-1-8), G=61/9-1-8 (min. 0-1-8), H=171/9-1-8 (min. 0-1-8), I=137/9-1-8 (min. 0-1-8), J=225/9-1-8 (min. 0-1-8)
 Max Horz K=264(LC 5)
 Max Uplift K=-70(LC 4), G=-45(LC 5), H=-97(LC 4), I=-64(LC 4), J=-196(LC 6)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD B-K=-149/152, A-B=0/19, B-C=-176/27, C-D=-117/22, D-E=-95/44, E-F=-60/98, F-G=-46/51
 BOT CHORD J-K=-54/108, I-J=-54/108, H-I=-54/108, G-H=-54/108
 WEBS E-H=-128/147, D-I=-105/137, C-J=-163/266

- NOTES-**
- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) 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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 5) Gable studs spaced at 2-0-0 oc.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint K, 45 lb uplift at joint G, 97 lb uplift at joint H, 64 lb uplift at joint I and 196 lb uplift at joint J.
 - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

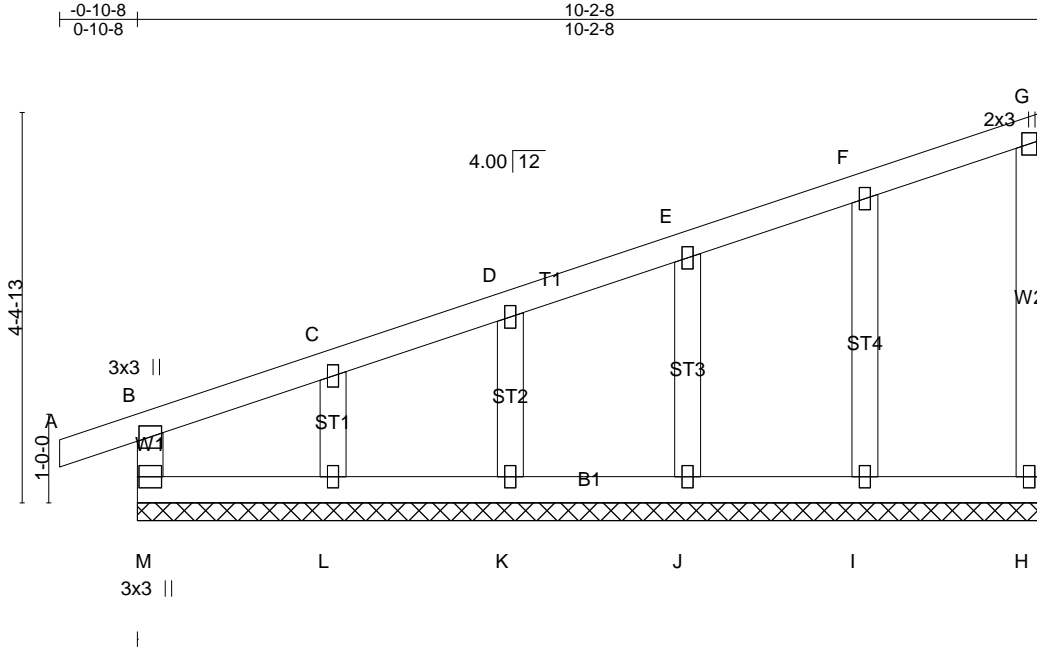


Job 68043893	Truss A9	Truss Type GABLE	Qty 1	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	---------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

8,220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:06 2018 Page 1

ID:ntl3pxocOnPTBYMlqSP7Tiy6TkE-ShAnBe0JND6hRrAPL9zQnAYM8niywY53jbrG9pyc1_t
10-2-8
10-2-8



Scale = 1:26.0

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 0.30	Vert(LL) 0.00 A n/r 120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.12	Vert(TL) -0.00 A n/r 90		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.06	Horz(TL) 0.00 H n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-R			
				Weight: 52 lb	FT = 20%

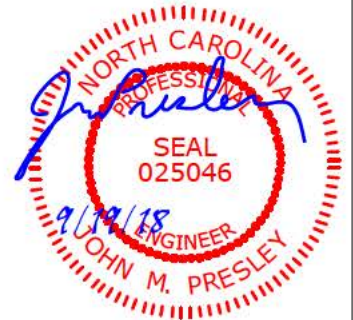
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	

REACTIONS. (lb/size) M=147/10-2-8 (min. 0-1-8), H=61/10-2-8 (min. 0-1-8), I=168/10-2-8 (min. 0-1-8), J=159/10-2-8 (min. 0-1-8), K=160/10-2-8 (min. 0-1-8), L=160/10-2-8 (min. 0-1-8)
Max Horz M=289(LC 5)
Max Uplift M=-26(LC 4), H=-46(LC 5), I=-91(LC 4), J=-102(LC 6), K=-76(LC 4), L=-183(LC 6)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD B-M=-128/98, A-B=0/19, B-C=-211/17, C-D=-157/18, D-E=-132/25, E-F=-100/57, F-G=66/105, G-H=-46/51
BOT CHORD L-M=-57/120, K-L=-57/120, J-K=-57/120, I-J=-57/120, H-I=-57/120
WEBS F-I=-126/129, E-J=-119/171, D-K=-121/145, C-L=-117/213

- NOTES-**
- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) 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) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 6) Gable studs spaced at 2-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint M, 46 lb uplift at joint H, 91 lb uplift at joint I, 102 lb uplift at joint J, 76 lb uplift at joint K and 183 lb uplift at joint L.
 - 10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

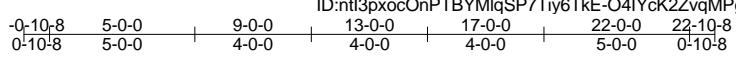


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design 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 68043893	Truss B1	Truss Type ATTIC	Qty 2	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	---------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill 8,220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:08 2018 Page 1



Scale = 1:79.2

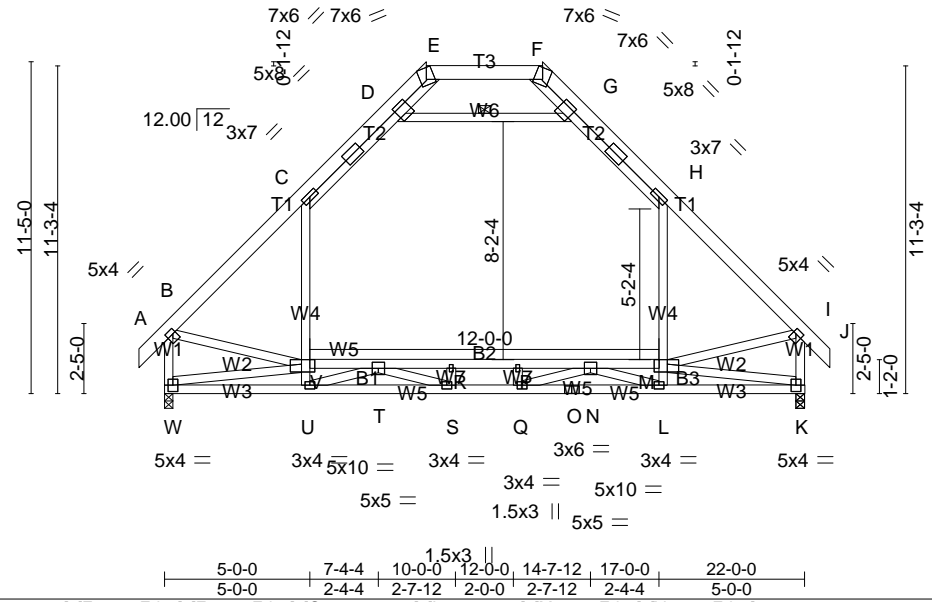


Plate Offsets (X,Y)-- [B:0-1-4,0-2-0], [D:0-1-13,0-5-0], [E:0-2-8,Edge], [F:0-3-0,Edge], [G:0-1-13,0-5-0], [I:0-1-4,0-2-0], [M:0-5-8,Edge], [V:0-5-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.69	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.78	Vert(LL) -0.21 Q-S >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.62	Vert(TL) -0.38 P-R >679 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MSH	Horz(TL) 0.05 K n/a n/a		
	Code IRC2009/TP12007		Attic -0.13 M-V 1154 360		Weight: 222 lb FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* T2: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-4-5 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): E-F.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
WEBS 2x4 SP No.3 *Except* W4: 2x4 SP No.2	4-2-0 oc bracing: N-T 7-8-0 oc bracing: M-N 8-11-0 oc bracing: T-V
	WEBS 1 Row at midpt D-G
	JOINTS 1 Brace at Jt(s): T, N

REACTIONS. (lb/size) W=1606/0-3-8 (min. 0-1-14), K=1606/0-3-8 (min. 0-1-14), K=1606/0-3-8 (min. 0-1-14)
Max Horz W=-347(LC 3)
Max Uplift W=-10(LC 5), K=-10(LC 6)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/43, B-C=-1548/14, C-D=-992/132, D-E=-24/498, E-F=-24/742, F-G=-18/498, G-H=-992/136, H-I=-1548/24, I-J=0/43, B-W=-1550/4, I-K=-1550/14
BOT CHORD U-W=-760/745, S-U=-156/1952, Q-S=0/2688, O-Q=0/1952, L-O=0/1952, K-L=-561/546, T-V=-440/1115, R-T=-1798/0, P-R=-1798/0, N-P=-1798/0, M-N=-603/1115
WEBS U-V=0/779, C-V=0/653, L-M=0/779, H-M=0/653, V-W=-390/431, K-M=-540/581, P-Q=-278/62, R-S=-278/59, T-U=-1972/39, S-T=-158/1048, L-N=-1972/57, N-Q=-167/1048, B-V=-20/913, I-M=-36/913, D-G=-1678/202

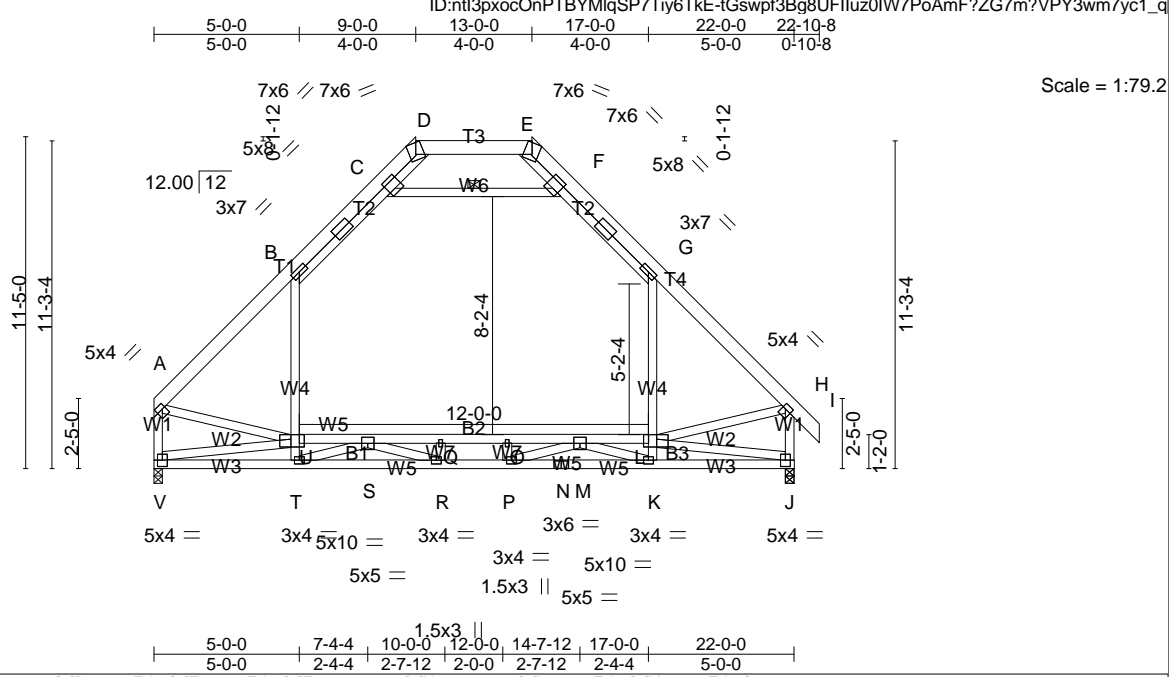
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - The solid section of the plate is required to be placed over the splice line at joint(s) O.
 - Plate(s) at joint(s) O checked for a plus or minus 5 degree rotation about its center.
 - 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.
 - Ceiling dead load (5.0 psf) on member(s). C-D, G-H, D-G
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. T-V, R-T, P-R, N-P, M-N
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint W and 10 lb uplift at joint K.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Attic room checked for L/360 deflection.

LOAD CASE(S) Standard



Job 68043893	Truss B2	Truss Type ATTIC	Qty 2	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	---------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill ID:ntl3pxocOnPTBYMlqSP7Tiy6TKE-tGswpf3Bg8UFIuz0IW7PoAmF?ZG7m?VPY3wm7yc1_q 8,220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:09 2018 Page 1



Scale = 1:79.2

Plate Offsets (X,Y)-- [A:0-1-4,0-2-0], [C:0-1-13,0-5-0], [D:0-2-8,Edge], [E:0-3-0,Edge], [F:0-1-13,0-5-0], [H:0-1-4,0-2-0], [L:0-5-8,Edge], [U:0-5-8,Edge]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.69	Vert(LL) -0.22 P-R >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.79	Vert(TL) -0.39 O-Q >676 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.63	Horz(TL) 0.05 J n/a n/a		
BCDL 10.0	Code IRC2009/TP12007	Matrix-MSH	Attic -0.13 L-U 1147 360		Weight: 219 lb FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* T2: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-3-12 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): D-E.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
WEBS 2x4 SP No.3 *Except* W4: 2x4 SP No.2	4-2-0 oc bracing: M-S 7-8-0 oc bracing: L-M 8-10-0 oc bracing: S-U
	WEBS 1 Row at midpt C-F JOINTS 1 Brace at Jt(s): S, M

REACTIONS. (lb/size) V=1543/0-3-8 (min. 0-1-13), J=1608/0-3-8 (min. 0-1-14), J=1608/0-3-8 (min. 0-1-14)
Max Horz V=362(LC 3)
Max Uplift J=8(LC 6)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-1543/9, B-C=-994/131, C-D=-23/500, D-E=-23/746, E-F=-18/501, F-G=-993/133, G-H=-1551/20, H-I=0/43, A-V=-1483/0, H-J=-1553/10
BOT CHORD T-V=-751/755, R-T=-150/1965, P-R=0/2694, N-P=0/1950, K-N=0/1950, J-K=-566/543, S-U=-450/1107, Q-S=-1799/0, O-Q=-1799/0, M-O=-1799/0, L-M=-599/1128
WEBS T-U=0/778, B-U=0/647, K-L=0/782, G-L=0/656, U-V=-392/443, J-L=-537/586, O-P=-280/61, Q-R=-277/59, S-T=-1968/43, R-S=-162/1044, K-M=-1980/54, M-P=-164/1057, A-U=-28/925, H-L=-34/915, C-F=-1688/198

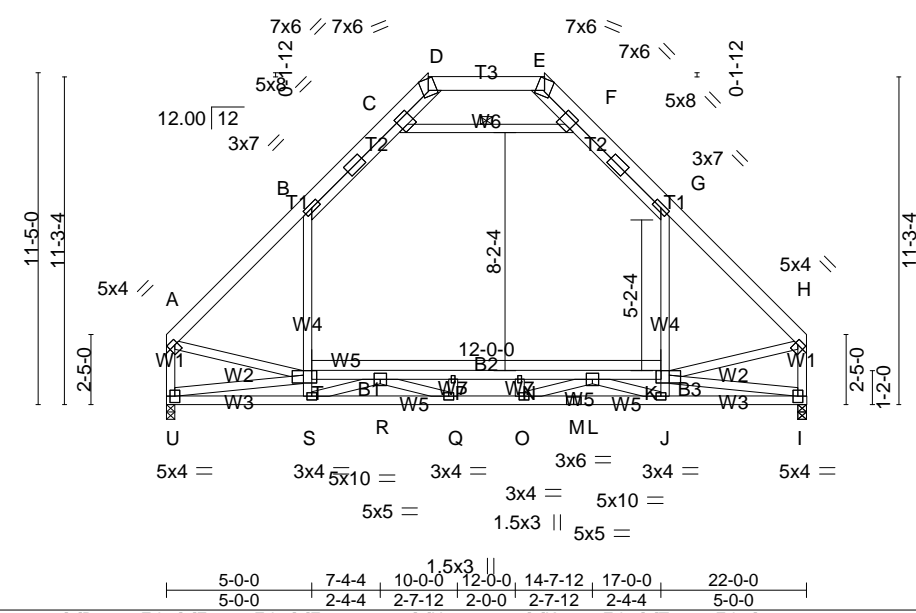
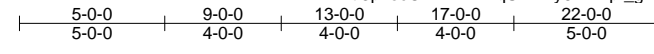
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) The solid section of the plate is required to be placed over the splice line at joint(s) N.
 - 5) Plate(s) at joint(s) N checked for a plus or minus 5 degree rotation about its center.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Ceiling dead load (5.0 psf) on member(s). B-C, F-G, C-F
 - 9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. S-U, Q-S, O-Q, M-O, L-M
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint J.
 - 11) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard



Job 68043893	Truss B3	Truss Type ATTIC	Qty 7	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	---------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill 8,220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:11 2018 Page 1



Scale = 1:79.2

Plate Offsets (X,Y)-- [A:0-1-4,0-2-0], [C:0-1-13,0-5-0], [D:0-2-8,Edge], [E:0-3-0,Edge], [F:0-1-13,0-5-0], [H:0-1-4,0-2-0], [K:0-5-8,Edge], [T:0-5-8,Edge]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.69	Vert(LL) -0.22 O-Q >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.78	Vert(TL) -0.39 N-P >673 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.63	Horz(TL) 0.05 I n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-MSH	Attic -0.13 K-T 1148 360		Weight: 217 lb FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* T2: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-3-10 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): D-E.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
WEBS 2x4 SP No.3 *Except* W4: 2x4 SP No.2	4-2-0 oc bracing: L-R 7-7-0 oc bracing: K-L 8-10-0 oc bracing: R-T
	WEBS 1 Row at midpt C-F
	JOINTS 1 Brace at Jt(s): R, L

REACTIONS. (lb/size) U=1545/0-3-8 (min. 0-1-13), I=1545/0-3-8 (min. 0-1-13), L=1545/0-3-8 (min. 0-1-13)
Max Horz U=342(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-1547/8, B-C=-995/130, C-D=-24/503, D-E=-24/750, E-F=-19/503, F-G=-995/133, G-H=-1547/16, A-U=-1486/0, H-I=-1486/1
BOT CHORD S-U=-764/741, Q-S=-161/1963, O-Q=0/2699, M-O=0/1963, J-M=0/1963, I-J=-567/545, R-T=-454/1119, P-R=-1801/0, N-P=-1801/0,
L-N=-1801/0, K-L=-615/1119
WEBS S-T=0/781, B-T=0/650, J-K=0/781, G-K=0/650, T-U=-397/441, I-K=-545/589, N-O=-279/62, P-Q=-279/59, R-S=-1976/42, Q-R=-159/1053,
J-L=-1976/59, L-O=-168/1053, A-T=-27/927, H-K=-43/927, C-F=-1698/198

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) The solid section of the plate is required to be placed over the splice line at joint(s) M.
 - 5) Plate(s) at joint(s) M checked for a plus or minus 5 degree rotation about its center.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Ceiling dead load (5.0 psf) on member(s). B-C, F-G, C-F
 - 9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. R-T, P-R, N-P, L-N, K-L
 - 10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 12) Attic room checked for L/360 deflection.

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 68043893	Truss B4	Truss Type ROOF TRUSS	Qty 1	Ply 3	MCKEE/ BILTMORE CLASSIC PORCH
------------------------	--------------------	---------------------------------	-----------------	-----------------	--------------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill
 8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:13 2018 Page 1
 ID:ntl3pxocOnPTBYMlqSP7Tiy6TKE-I15Rf16iK_n_hmwCf8b3ZeLPrc_I3Y75KA18vvyct1_m

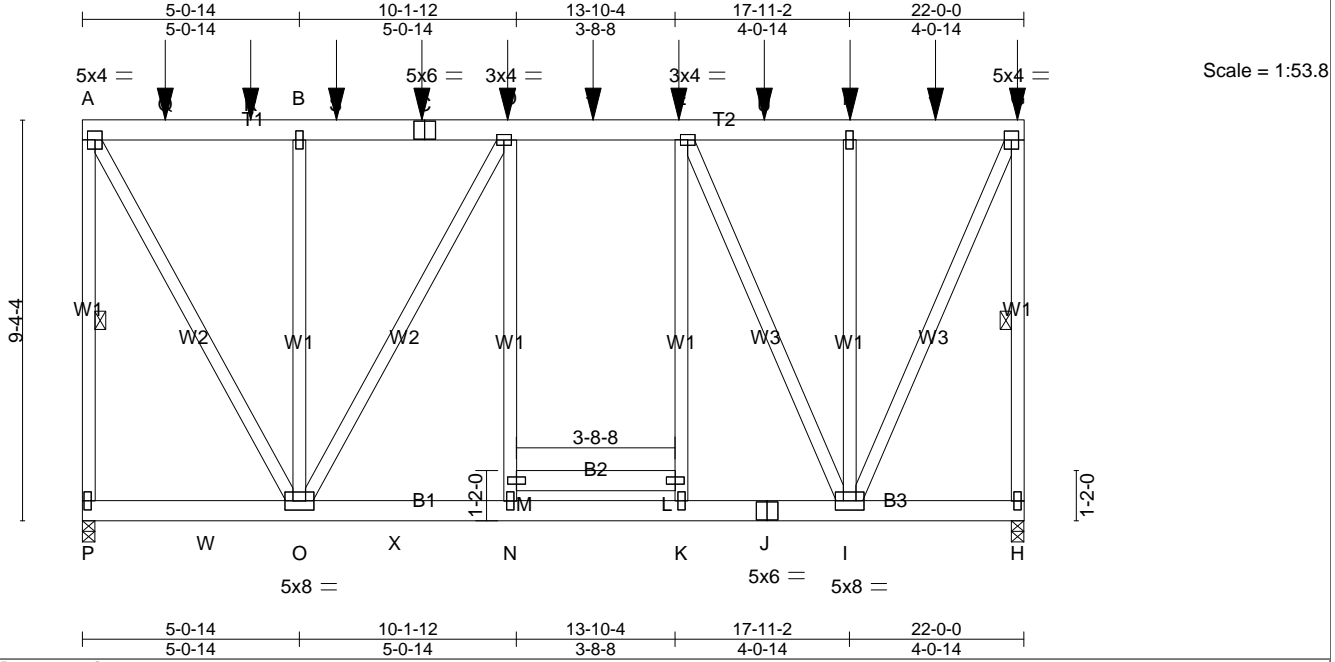


Plate Offsets (X,Y)-- [P:0-2-8,0-0-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.85	Vert(LL) -0.10 N-O >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.56	Vert(TL) -0.20 N-O >999 180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.75	Horz(TL) 0.02 H n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-MSH			
				Weight: 728 lb	FT = 4%

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

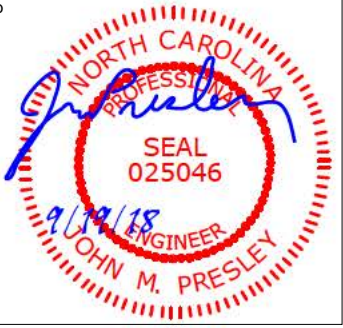
BRACING-
 TOP CHORD 2-0-0 oc purlins (6-0-0 max.): A-G, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt A-P, G-H

REACTIONS. (lb/size) P=5785/0-3-8 (min. 0-2-4), H=4547/0-3-8 (min. 0-1-13)
 Max Horz P=-317(LC 3)
 Max Uplift P=-455(LC 3), H=-459(LC 4)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-P=-5666/456, A-Q=-2647/259, Q-R=-2647/259, B-R=-2647/259, B-S=-2647/259, C-S=-2647/259, C-D=-2647/259, D-T=-3171/318, E-T=-3171/318, E-U=-1761/240, F-U=-1761/240, F-V=-1761/240, G-V=-1761/240, G-H=-4409/447
 BOT CHORD P-W=-229/250, O-W=-229/250, O-X=-375/3170, N-X=-375/3170, K-N=-373/3153, J-K=-375/3170, I-J=-375/3170, H-I=-71/92, L-M=-2/17
 WEBS A-O=-422/5420, B-O=-3449/277, D-O=-1079/233, M-N=-373/108, D-M=-253/132, K-L=-25/923, E-L=-1/1043, F-I=-1118/237, E-I=-3487/311, G-I=-442/4330

- NOTES-**
- 3-ply truss to be connected together with 16d (0.131"x 3.5") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-5-0 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.
 - Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) 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.
 - All plates are 2x5 MT20 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 455 lb uplift at joint P and 459 lb uplift at joint H.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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) 1247 lb down and 88 lb up at 1-11-4, 1247 lb down and 88 lb up at 3-11-4, 830 lb down and 51 lb up at 5-11-4, 830 lb down and 51 lb up at 7-11-4, 830 lb down and 51 lb up at 9-11-4, 591 lb down and 84 lb up at 11-11-4, 591 lb down and 84 lb up at 13-11-4, 591 lb down and 84 lb up at 15-11-4, and 591 lb down and 84 lb up at 17-11-4, and 591 lb down and 84 lb up at 19-11-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
 - Attic room checked for L/360 deflection.

LOAD CASE(S) Standard
 1) Dead + Roof Live (balanced) + Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: A-G=-60, P-W=-60, W-X=-20, K-X=-60, H-K=-20, L-M=-60
 Concentrated Loads (lb)
 Vert: C=830(B) G=42 D=830(B) E=591(B) F=591(B) Q=1247(B) R=1247(B) S=830(B) T=591(B) U=591(B) V=591(B)

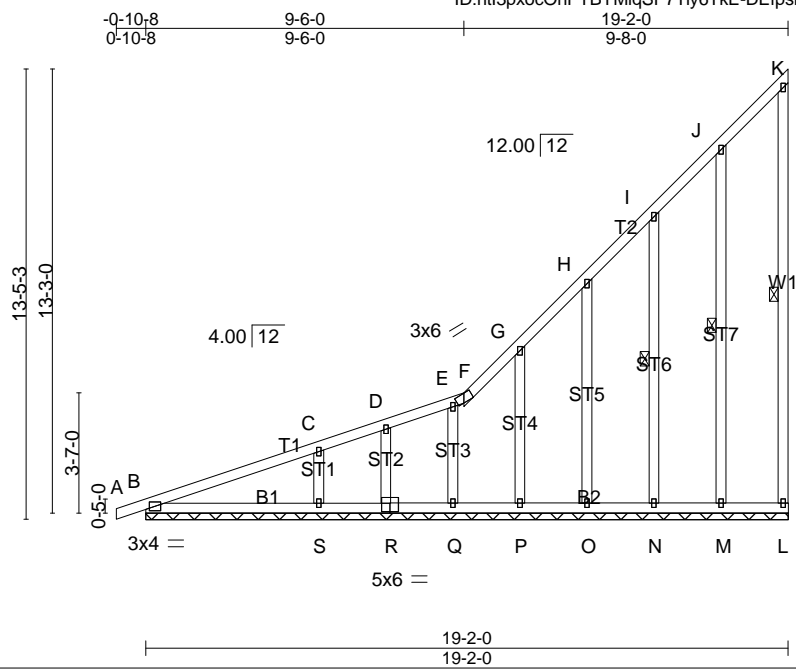


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design 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 68043893	Truss C1	Truss Type GABLE	Qty 1	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	---------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill 8,220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:14 2018 Page 1



Scale = 1:68.7

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.30	Vert(LL) 0.01 A n/r 120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.20	Vert(DL) 0.03 A n/r 90		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.11	Horz(TL) -0.00 L n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-SH			
				Weight: 140 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	WEBS 1 Row at midpt K-L, J-M, I-N
OTHERS 2x4 SP No.3	

REACTIONS. (lb/size) L=61/19-2-0 (min. 0-1-14), B=226/19-2-0 (min. 0-1-14), M=168/19-2-0 (min. 0-1-14), N=159/19-2-0 (min. 0-1-14), O=162/19-2-0 (min. 0-1-14), P=154/19-2-0 (min. 0-1-14), Q=190/19-2-0 (min. 0-1-14), R=29/19-2-0 (min. 0-1-14), S=425/19-2-0 (min. 0-1-14)
 Max Horz B=837(LC 6)
 Max Uplift L=83(LC 6), B=152(LC 4), M=215(LC 6), N=208(LC 6), O=224(LC 6), P=136(LC 6), Q=105(LC 4), R=61(LC 6), S=314(LC 4)
 Max Grav L=61(LC 1), B=226(LC 1), M=168(LC 1), N=159(LC 1), O=162(LC 1), P=154(LC 1), Q=234(LC 6), R=29(LC 1), S=425(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/10, B-C=-814/54, C-D=-701/0, D-E=-670/24, E-F=-729/61, F-G=-767/78, G-H=-641/61, H-I=-448/46, I-J=-268/42, J-K=-79/24, K-L=-46/90
 BOT CHORD B-S=-5/2, R-S=-5/2, Q-R=-1/0, P-Q=-1/0, O-P=-1/0, N-O=-1/0, M-N=-1/0, L-M=-1/0
 WEBS J-M=-125/243, I-N=-120/232, H-O=-121/248, G-P=-117/161, E-Q=-212/126, D-R=-37/93, C-S=-295/335

- NOTES-**
- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only.
 - 3) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) Gable studs spaced at 2-0-0 oc.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint L, 152 lb uplift at joint B, 215 lb uplift at joint M, 208 lb uplift at joint N, 224 lb uplift at joint O, 136 lb uplift at joint P, 105 lb uplift at joint Q, 61 lb uplift at joint R and 314 lb uplift at joint S.
 - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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 68043893	Truss C2	Truss Type HALF HIP	Qty 5	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	------------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill 8,220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:16 2018 Page 1

0-10-8	7-3-8	9-6-0	14-2-4	19-2-0	19-7-8
0-10-8	7-3-8	2-2-8	4-8-4	4-11-12	0-5-8

Scale = 1:76.0

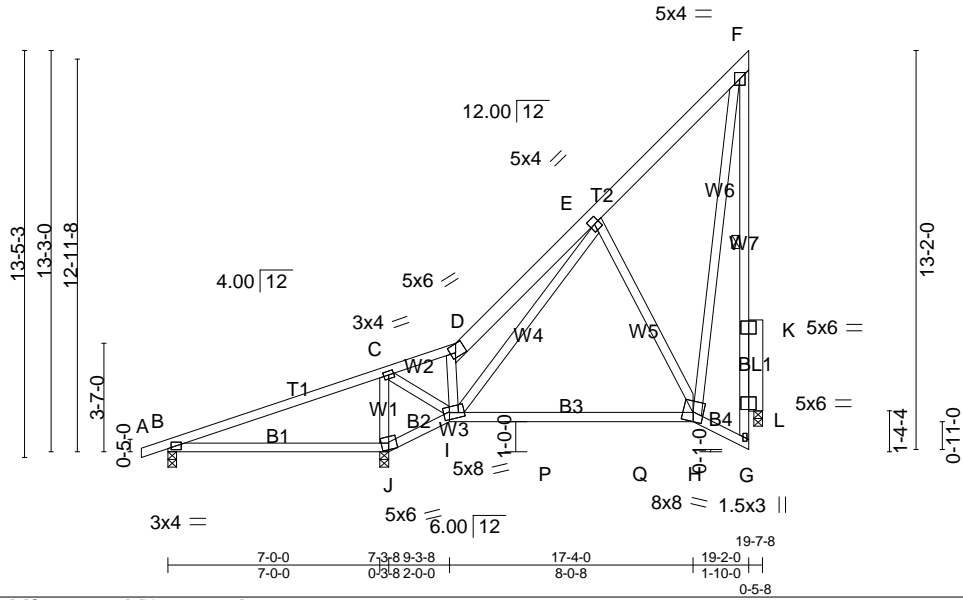


Plate Offsets (X,Y)-- [D:0-3-0,0-1-9], [G:0-1-8,0-0-8], [H:0-4-0,0-3-7]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.58	Vert(LL) -0.18 H-I >793 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.75	Vert(TL) -0.41 H-I >346 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.83	Horz(TL) -0.03 L n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-MSH			
				Weight: 153 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* T2: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-11-2 oc purlins, except end verticals.
BOT CHORD 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 F-G
OTHERS 2x6 SP No.2	

REACTIONS. (lb/size) B=280/0-3-8 (min. 0-1-8), J=931/0-3-8 (min. 0-1-8), L=472/0-3-8 (min. 0-1-8)
Max Horz B=815(LC 6)
Max Uplift B=279(LC 4), J=226(LC 6), L=538(LC 6)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/17, B-C=-412/179, C-D=-288/73, D-E=-375/80, E-F=-229/0, G-L=-45/0, K-L=-517/502, F-K=-517/502
BOT CHORD B-J=-339/0, I-J=-346/0, I-P=-286/200, P-Q=-286/200, H-Q=-286/200, G-H=0/51
WEBS C-J=-774/415, C-I=-29/445, D-I=-207/13, E-H=-277/499, F-H=-340/482, E-I=-99/108

- NOTES-**
- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for 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, with BCDL = 10.0psf.
 - 4) Bearing at joint(s) L 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 279 lb uplift at joint B, 226 lb uplift at joint J and 538 lb uplift at joint L.
 - 6) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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.



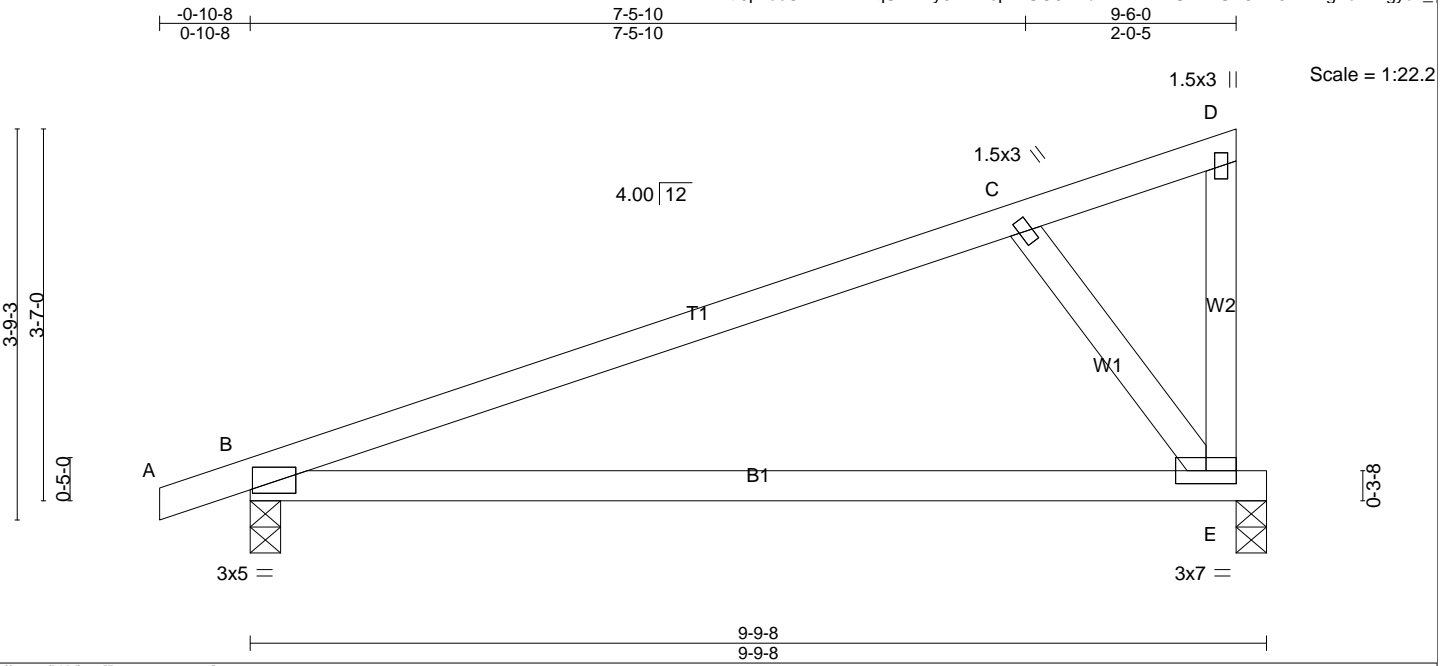


Plate Offsets (X,Y)-- [B:0-1-15,0-1-8]

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 0.69	Vert(LL) -0.21 E-H >543 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.74	Vert(TL) -0.58 E-H >193 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.16	Horz(TL) 0.02 B n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007	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

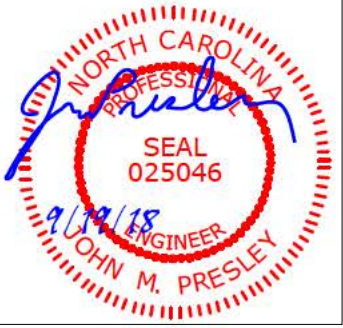
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) B=429/0-3-8 (min. 0-1-8), E=372/0-3-8 (min. 0-1-8)
 Max Horz B=232(LC 5)
 Max Uplift B=-244(LC 4), E=-204(LC 6)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/17, B-C=-368/297, C-D=-97/126, D-E=-111/109
 BOT CHORD B-E=-229/316
 WEBS C-E=-476/544

- NOTES-**
- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) 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 244 lb uplift at joint B and 204 lb uplift at joint E.
 - 5) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



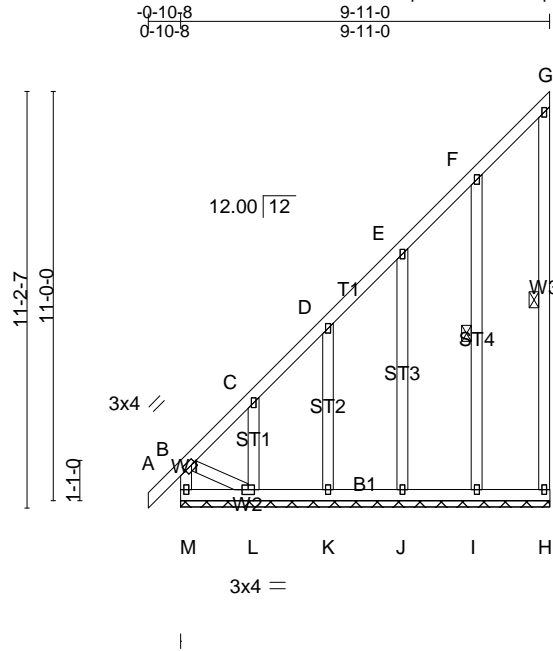
This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design 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 68043893	Truss D1	Truss Type MONOPITCH SUPPORTED	Qty 1	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	-----------------------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

8,220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:19 2018 Page 1
ID:ntl3pxocOnPTBYMlqSP7Tiy6tKE-aBTiv4ATJDirUrfucOrTpvbcF19BTOqzi6US6Yyc1_g



Scale = 1:62.0

Plate Offsets (X,Y)-- [B: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 0.15	Vert(LL) -0.00 A n/r 120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.04	Vert(TL) -0.00 A n/r 90		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.22	Horz(TL) -0.00 H n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-SH			
				Weight: 89 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, Except:
WEBS 2x4 SP No.3	6-0-0 oc bracing: L-M.
OTHERS 2x4 SP No.3	WEBS 1 Row at midpt G-H, F-I

REACTIONS. (lb/size) M=138/9-11-0 (min. 0-1-8), H=59/9-11-0 (min. 0-1-8), K=162/9-11-0 (min. 0-1-8), L=146/9-11-0 (min. 0-1-8), J=159/9-11-0 (min. 0-1-8), I=166/9-11-0 (min. 0-1-8)
 Max Horz M=740(LC 6)
 Max Uplift M=72(LC 4), H=-80(LC 6), K=-211(LC 6), L=-519(LC 6), J=-211(LC 6), I=-212(LC 6)
 Max Grav M=765(LC 6), H=59(LC 1), K=162(LC 1), L=146(LC 1), J=159(LC 1), I=166(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD B-M=-754/81, A-B=0/43, B-C=-812/80, C-D=-645/60, D-E=-455/46, E-F=-269/42, F-G=-78/24, G-H=-44/89
 BOT CHORD L-M=-673/58, K-L=-1/0, J-K=-1/0, I-J=-1/0, H-I=-1/0
 WEBS D-K=-122/245, C-L=-109/215, E-J=-120/239, F-I=-124/246, B-L=-64/747

- NOTES-**
- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only.
 - 3) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 6) Gable studs spaced at 2-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint M, 80 lb uplift at joint H, 211 lb uplift at joint K, 519 lb uplift at joint L, 211 lb uplift at joint J and 212 lb uplift at joint I.
 - 10) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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 68043893	Truss D2	Truss Type ROOF TRUSS	Qty 5	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	--------------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:20 2018 Page 1

ID:ntl3pxocOnPTBYMIqSP7Tiy6TkE-20047QB54Wti6?E5A6DiL67bMQJMCst7xmE0f?yc1_f

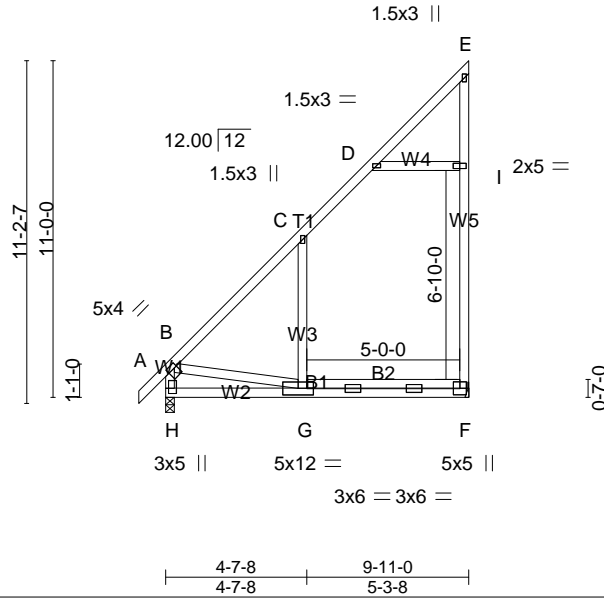
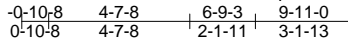


Plate Offsets (X,Y)-- [B:0-1-0,0-1-12], [H:0-2-0,0-1-4]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.96	Vert(LL) 0.43 G-H >269 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.82	Vert(TL) -0.61 G-H >189 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.17	Horz(TL) -0.00 F n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-MSH	Attic -0.14 F-G 450 360	Weight: 79 lb	FT = 4%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B1: 2x4 SP SS
WEBS 2x4 SP No.2 *Except*
W1,W2: 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 7-2-15 oc bracing.

REACTIONS. (lb/size) F=574/Mechanical, H=522/0-3-8 (min. 0-1-8)
Max Horz H=438(LC 5)
Max Uplift F=-262(LC 5)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/43, B-C=-322/0, C-D=-157/0, D-E=-204/229, F-I=-245/180, E-I=-229/190, B-H=-295/0
BOT CHORD G-H=-613/355, F-G=-50/83
WEBS B-G=-278/575, C-G=-97/178, D-I=-196/116

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left exposed; 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) Ceiling dead load (5.0 psf) on member(s). C-D, D-I
 - 5) Bottom chord live load (20.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. F-G
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 262 lb uplift at joint F.
 - 7) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard

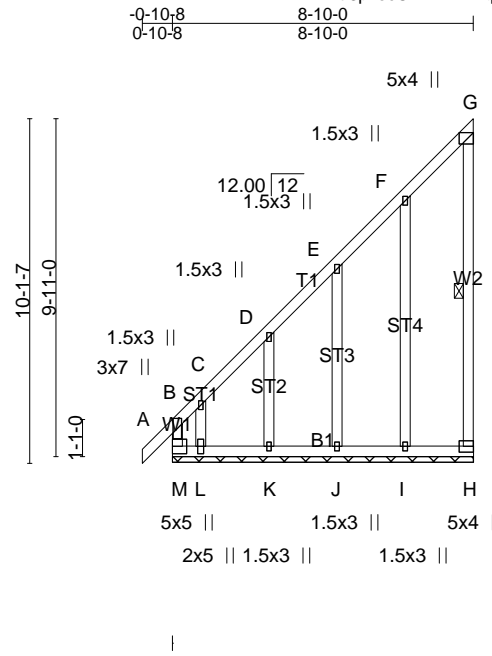


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design 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 68043893	Truss E1	Truss Type GABLE	Qty 1	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
------------------------	--------------------	----------------------------	-----------------	-----------------	--------------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill 8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:22 2018 Page 1



Scale = 1:67.6

Plate Offsets (X,Y)-- [G:0-3-7,Edge], [H: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 0.79	Vert(LL) 0.00 A n/r 120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.48	Vert(TL) -0.00 A n/r 90		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.19	Horz(TL) 0.00 H n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-R			
				Weight: 75 lb	FT = 20%

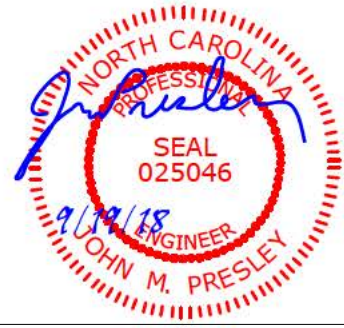
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except*	WEBS 1 Row at midpt G-H
W2: 2x4 SP No.1	
OTHERS 2x4 SP No.3	

REACTIONS. (lb/size) M=110/8-10-0 (min. 0-1-8), H=61/8-10-0 (min. 0-1-8), I=168/8-10-0 (min. 0-1-8), J=158/8-10-0 (min. 0-1-8), K=167/8-10-0 (min. 0-1-8), L=81/8-10-0 (min. 0-1-8)
 Max Horz M=618(LC 5)
 Max UpliftM=590(LC 4), H=175(LC 5), I=224(LC 6), J=209(LC 6), K=189(LC 6), L=766(LC 6)
 Max GravM=1057(LC 4), H=229(LC 4), I=168(LC 1), J=158(LC 1), K=167(LC 1), L=416(LC 4)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD B-M=-709/418, A-B=0/43, B-C=-820/456, C-D=-532/323, D-E=-430/305, E-F=-337/309, F-G=-174/230, G-H=-101/103
 BOT CHORD L-M=-126/294, K-L=-126/294, J-K=-126/294, I-J=-126/294, H-I=-126/294
 WEBS F-I=-172/207, E-J=-119/283, D-K=-125/239, C-L=-213/425

- NOTES-**
- 1) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) 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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 5) Gable studs spaced at 2-0-0 oc.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 590 lb uplift at joint M, 175 lb uplift at joint H, 224 lb uplift at joint I, 209 lb uplift at joint J, 189 lb uplift at joint K and 766 lb uplift at joint L.
 - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



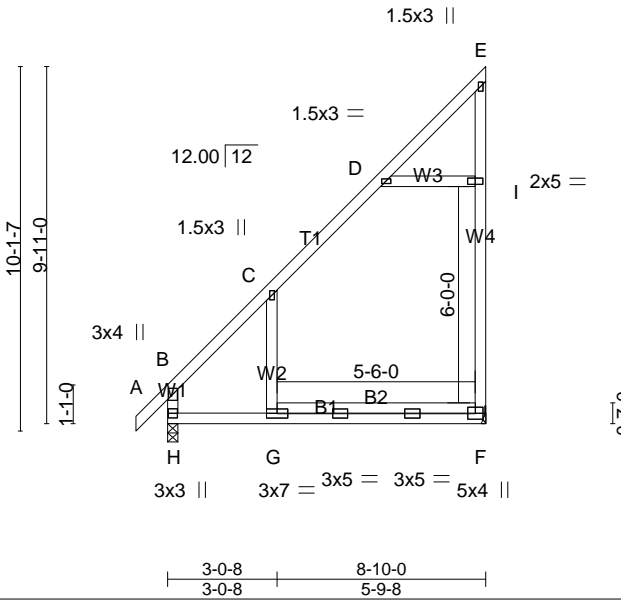
Job 68043893	Truss E2	Truss Type ROOF TRUSS	Qty 8	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	--------------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:23 2018 Page 1

0-10-8 3-0-8 5-11-3 8-10-0
0-10-8 3-0-8 2-10-11 2-10-13

ID:ntl3pxocOnPTBYMiqSP7Tiy6TkE-SyiCISEzNRFGzSzgrEmPzll8_eJ5PEeZdkSgFKyc1_c



Scale: 3/16"=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 IRC2009/TPI2007	CSI. TC 0.80 BC 0.94 WB 0.04 Matrix-MSH	DEFL. in (loc) l/defl L/d Vert(LL) 0.26 G >395 240 Vert(TL) -0.34 F-G >301 180 Horz(TL) 0.00 F n/a n/a Attic -0.17 F-G 817 360	PLATES GRIP MT20 244/190 Weight: 66 lb FT = 4%
---	--	--	---	---

LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 *Except* B1: 2x4 SP No.1 WEBS 2x4 SP No.2 *Except* W1: 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 2-2-0 oc bracing.
--	---

REACTIONS. (lb/size) F=529/Mechanical, H=505/0-3-8 (min. 0-1-8)
Max Horz H=397(LC 5)
Max Uplift F=-234(LC 5)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/43, B-C=-352/3, C-D=-166/0, D-E=-206/214, F-I=-228/178, E-I=-214/186, B-H=-265/0
BOT CHORD G-H=-55/78, F-G=-55/78
WEBS C-G=-138/241, D-I=-183/129

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left exposed; 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) Ceiling dead load (5.0 psf) on member(s). C-D, D-I
 - 5) Bottom chord live load (20.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. F-G
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 234 lb uplift at joint F.
 - 7) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard



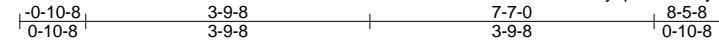
This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design 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 68043893	Truss H1	Truss Type COMMON SUPPORTED GAB	Qty 1	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	------------------------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

ID: YLBxMR1MTGE53KK8ZWwOs2yapn1-w9GbyoEc8IN7bcYsPxHeWytT22sz8gyisOCDomyc1_b
8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:24 2018 Page 1



3x4 =

Scale = 1:30.7

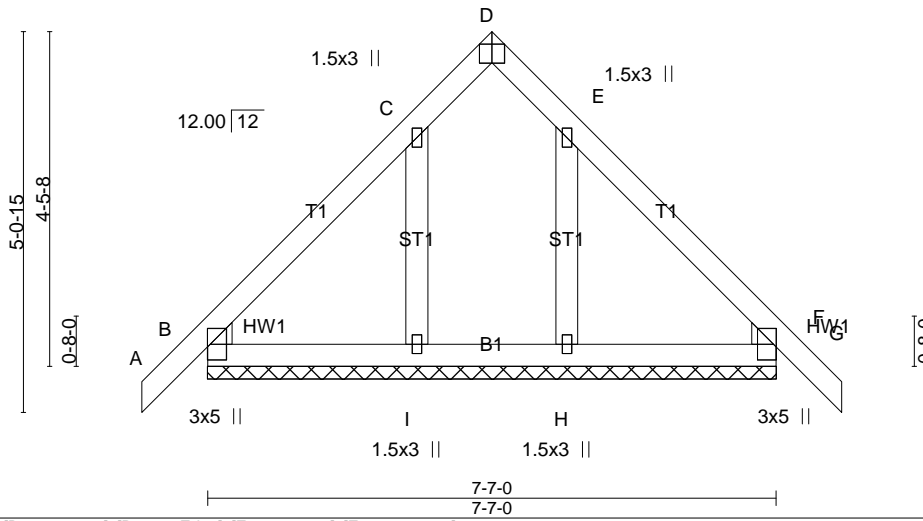


Plate Offsets (X,Y)-- [B:0-0-7,0-2-12], [B:0-0-3,0-0-3], [D:0-2-0,Edge], [F:0-0-3,0-0-3], [F:0-0-7,0-2-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.14	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.07	Vert(LL) 0.00 G n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.10	Vert(TL) 0.00 G n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(TL) 0.00 F n/a n/a		
	Code IRC2009/TPI2007			Weight: 41 lb	FT = 20%

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

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

REACTIONS. (lb/size) B=151/7-7-0 (min. 0-1-8), F=151/7-7-0 (min. 0-1-8), I=205/7-7-0 (min. 0-1-8), H=205/7-7-0 (min. 0-1-8)
Max Horz B=-203(LC 4)
Max Uplift B=-1(LC 4), I=-296(LC 6), H=-294(LC 7)
Max Grav B=153(LC 10), F=153(LC 11), I=205(LC 10), H=205(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/28, B-C=-288/71, C-D=-42/7, D-E=-42/9, E-F=-288/71, F-G=0/28
BOT CHORD B-I=-6/343, H-I=-6/343, F-H=-6/343
WEBS C-I=-152/343, E-H=-152/343

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) 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.
 - Gable requires continuous bottom chord bearing.
 - 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 1 lb uplift at joint B, 296 lb uplift at joint I and 294 lb uplift at joint H.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) F.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

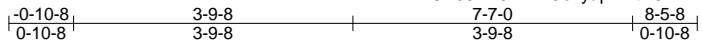


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design 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 68043893	Truss H2	Truss Type COMMON	Qty 4	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	----------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill
 8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:26 2018 Page 1
 ID: YLBxMR1MTGE53KK8ZWwOs2yapn1-xLolNTGsgMdrqwiFWMK6bNNmvrTocb1?Jhkseyc1_Z



3x4 =

Scale = 1:31.2

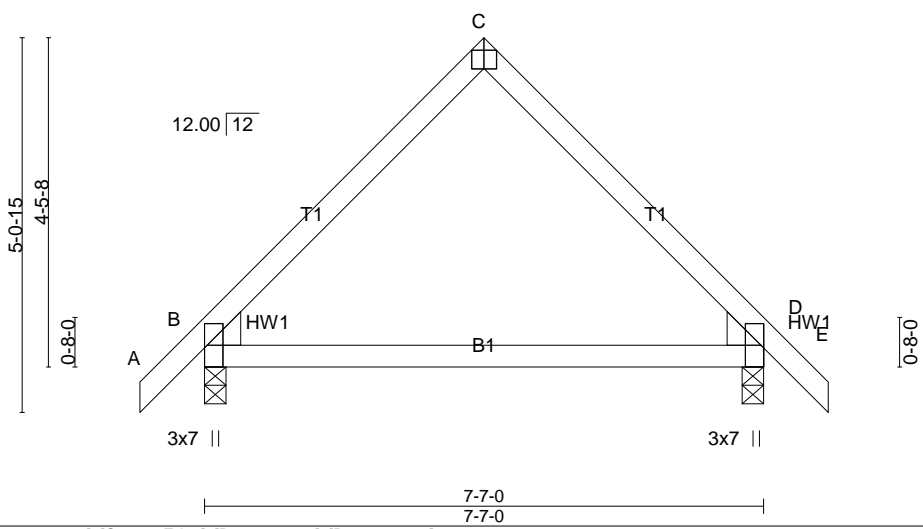


Plate Offsets (X,Y)-- [B:0-0-7,0-4-1], [B:0-0-3,0-0-3], [C:0-2-0,Edge], [D:0-0-3,0-0-3], [D:0-0-7,0-4-1]

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 IRC2009/TPI2007	CSI. TC 0.31 BC 0.37 WB 0.00 Matrix-MP	DEFL. in (loc) l/defl L/d Vert(LL) 0.10 H-K >907 240 Vert(TL) -0.19 H-K >488 180 Horz(TL) 0.02 B n/a n/a	PLATES GRIP MT20 244/190 Weight: 34 lb FT = 20%
---	---	---	---	--

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEDGE
 Left: 2x6 SP No.2, Right: 2x6 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) B=356/0-3-8 (min. 0-1-8), D=356/0-3-8 (min. 0-1-8)
 Max Horz B=-190(LC 4)
 Max Uplift B=-185(LC 6), D=-185(LC 7)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/37, B-C=-206/137, C-D=-206/137, D-E=0/37

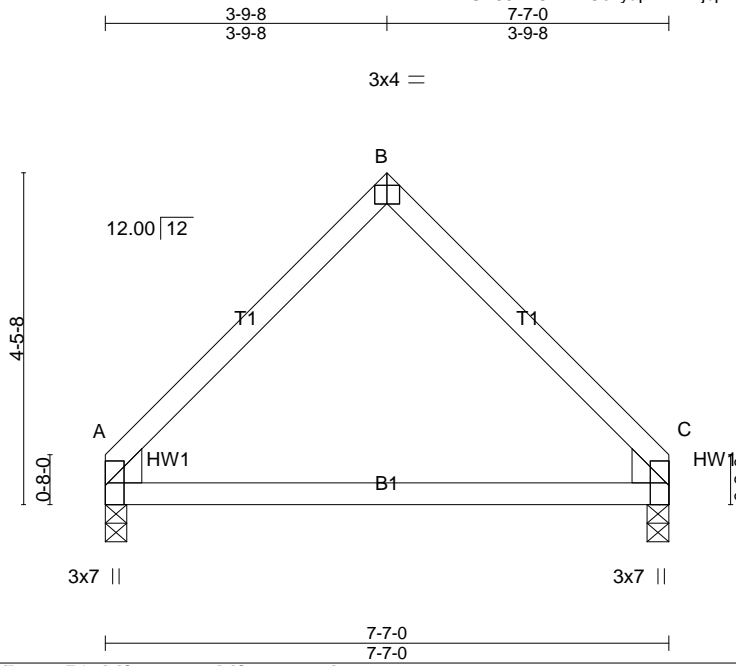
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; 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.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 185 lb uplift at joint B and 185 lb uplift at joint D.
 - 6) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



Job 68043893	Truss H3	Truss Type Common	Qty 1	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	-------------	----------------------	----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill ID: YLBxMR1MTGE53KK8ZWwOs2yapn1-LkxjbpHURgIIS3HR44rL8bwwGFpxL2H9YMQiO5yc1_Y 8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:27 2018 Page 1



Scale = 1:31.0

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

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) 0.11 F-I >807 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.37	Vert(TL) -0.19 F-I >476 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL) 0.02 C n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-MP			
				Weight: 30 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x6 SP No.2, Right: 2x6 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=303/0-3-8 (min. 0-1-8), C=303/0-3-8 (min. 0-1-8)
Max Horz A=-184(LC 4)
Max Uplift A=-119(LC 7), C=-119(LC 6)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-209/143, B-C=-209/143

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) 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
 - 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 119 lb uplift at joint A and 119 lb uplift at joint C.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

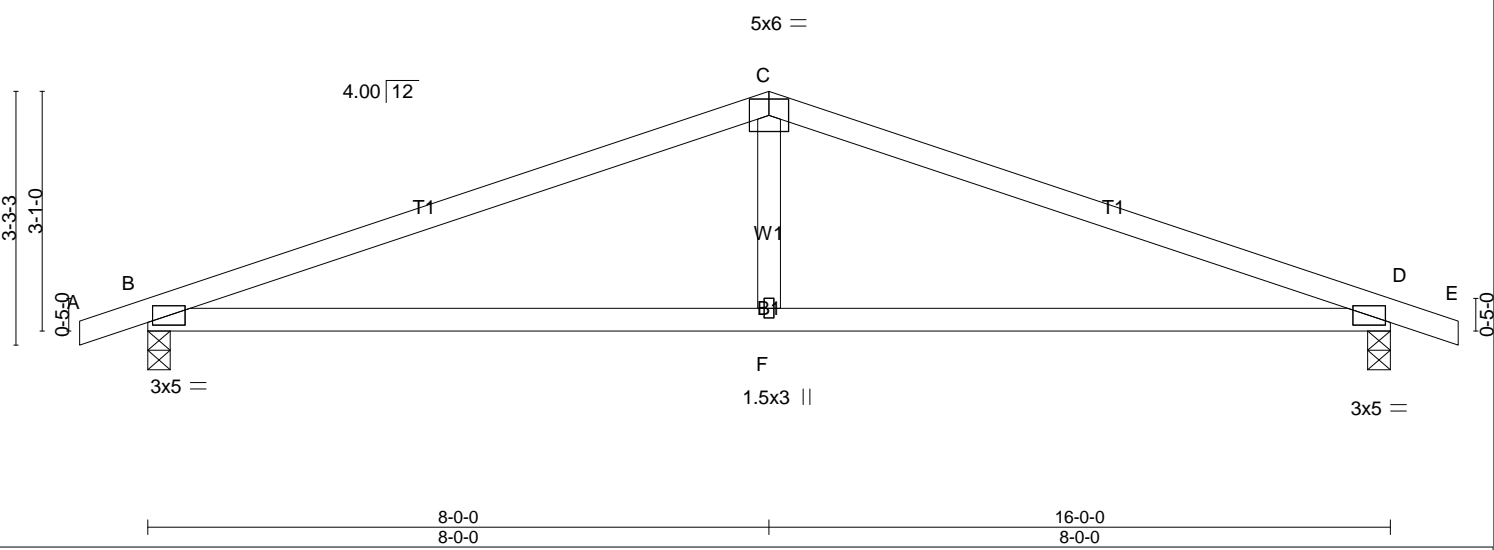
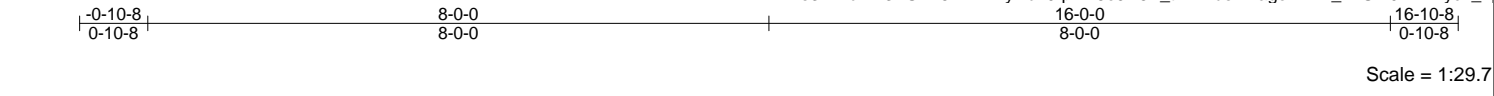


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design 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 68043893	Truss P1	Truss Type Common	Qty 5	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
------------------------	--------------------	-----------------------------	-----------------	-----------------	--------------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill
 8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:28 2018 Page 1
 ID:me3l?rzb7fV3TGX?5rXHkRyRbL0-pwV5o9H6B_tZ4DrdenMagoTz?i4_4TUln0ARxXyc1_X



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 IRC2009/TPI2007	CSI. TC 0.85 BC 0.64 WB 0.13 Matrix-MSH	DEFL. in (loc) l/defl L/d Vert(LL) 0.13 F-I >999 240 Vert(TL) -0.24 F-I >802 180 Horz(TL) 0.02 D n/a n/a	PLATES GRIP MT20 244/190 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 2-2-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 8-0-8 oc bracing.
--	---

REACTIONS. (lb/size) B=692/0-3-8 (min. 0-1-8), D=692/0-3-8 (min. 0-1-8)
 Max Horz B=-71(LC 5)
 Max Uplift B=-353(LC 6), D=-353(LC 7)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/17, B-C=-1119/651, C-D=-1119/651, D-E=0/17
 BOT CHORD B-F=-464/994, D-F=-464/994
 WEBS C-F=0/346

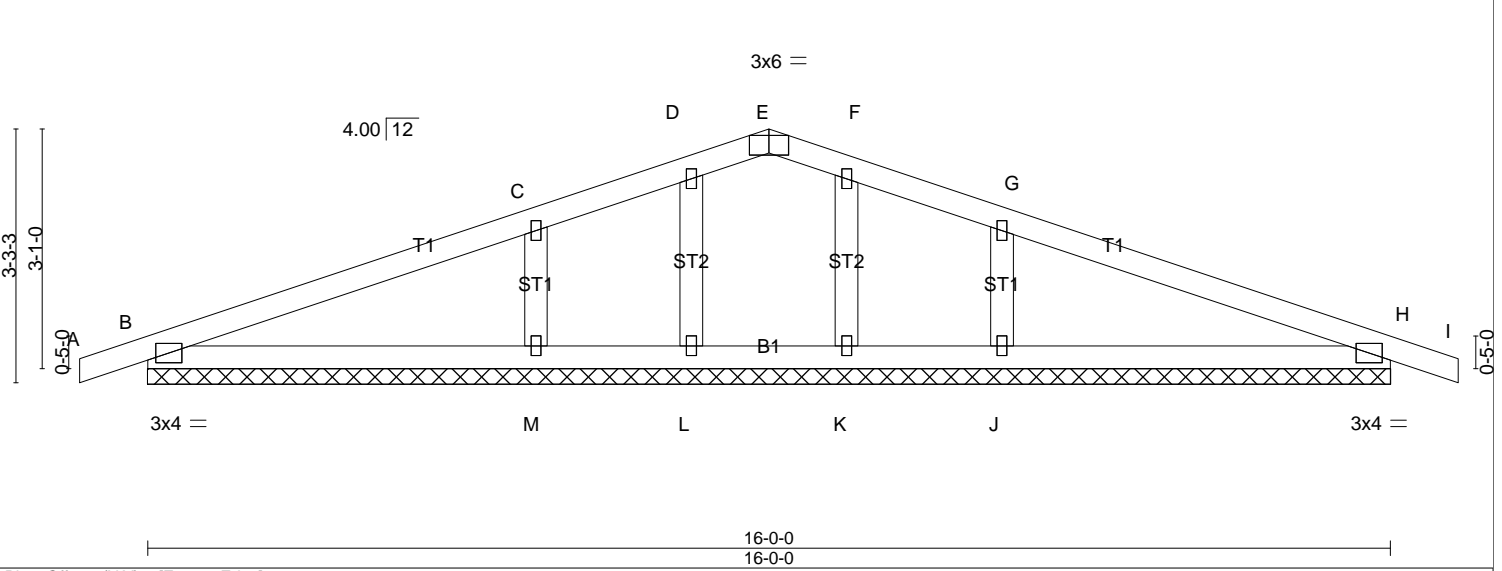
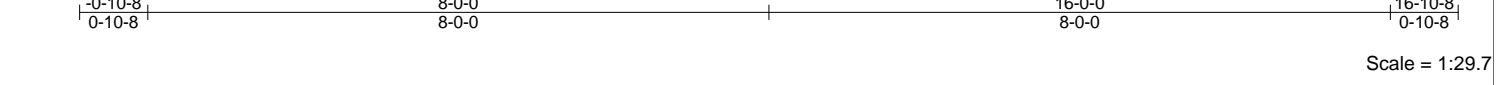
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 353 lb uplift at joint B and 353 lb uplift at joint D.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



Job 68043893	Truss P2	Truss Type Common Supported Gable	Qty 1	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
------------------------	--------------------	---	-----------------	-----------------	--------------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill
 8.220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:30 2018 Page 1
 ID:me3l?rzb7fV3TGX?5rXHKRyRbL0-lJdsDrJMjb7HJX?0lCO2lDYsXSuXYObbEJfX?Qyc1_V



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 0.27	Vert(LL) 0.01 I n/r 120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.19	Vert(TL) 0.03 I n/r 90		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.09	Horz(TL) 0.00 H n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-SH			
				Weight: 63 lb	FT = 20%

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

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

REACTIONS. (lb/size) B=234/16-0-0 (min. 0-1-10), H=234/16-0-0 (min. 0-1-10), L=54/16-0-0 (min. 0-1-10), M=404/16-0-0 (min. 0-1-10), K=54/16-0-0 (min. 0-1-10), J=404/16-0-0 (min. 0-1-10)
 Max Horz B=67(LC 5)
 Max Uplift B=149(LC 6), H=157(LC 7), M=243(LC 4), J=245(LC 5)
 Max Grav B=234(LC 1), H=234(LC 1), L=54(LC 1), M=408(LC 10), K=54(LC 1), J=408(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/10, B-C=87/58, C-D=78/144, D-E=53/153, E-F=53/153, F-G=78/144, G-H=87/34, H-I=0/10
 BOT CHORD B-M=0/67, L-M=0/67, K-L=0/67, J-K=0/67, H-J=0/67
 WEBS D-L=47/17, C-M=284/312, F-K=47/15, G-J=284/312

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) 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.
 - 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 149 lb uplift at joint B, 157 lb uplift at joint H, 243 lb uplift at joint M and 245 lb uplift at joint J.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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.

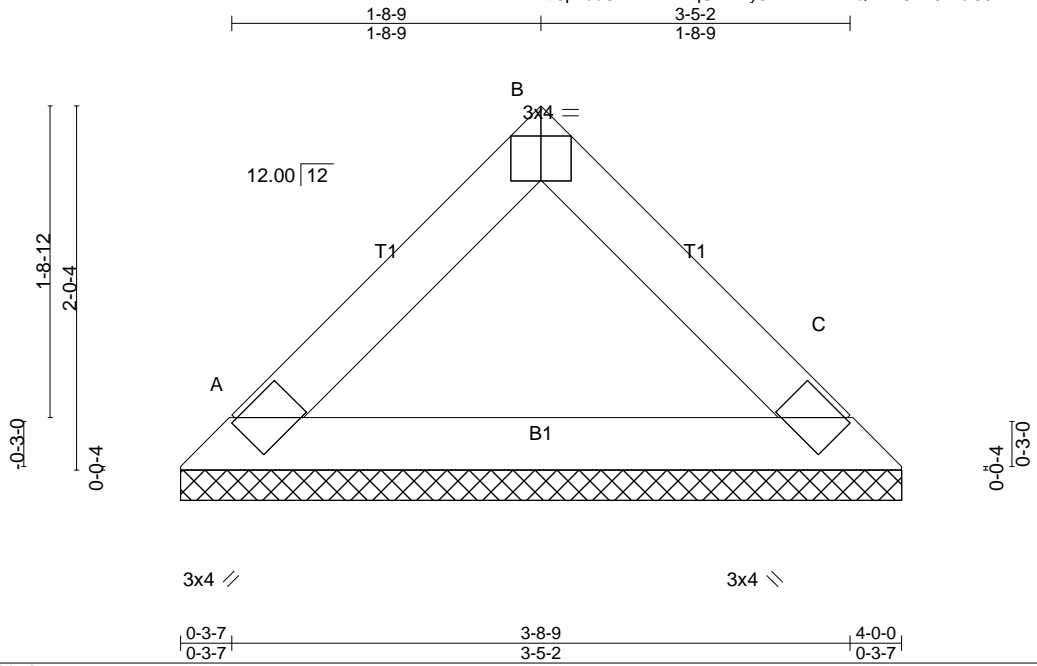


Job 68043893	Truss PB1	Truss Type Piggyback	Qty 11	Ply 1	MCKEE/ BILTMORE CLASSIC PORCH
-----------------	--------------	-------------------------	-----------	----------	-------------------------------

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

8,220 s Aug 13 2018 MiTek Industries, Inc. Wed Sep 19 16:32:31 2018 Page 1

ID:ntl3pxocOnPTBYMlqSP7Tiy6TKE-DVBEQBK?UvF8xhaCJwwHIR5gAsDchHsGkTzO5ysyc1_U



Scale = 1:12.8

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 0.09	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.13	Vert(TL) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL) 0.00 C n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007	Matrix-P			
				Weight: 13 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=134/4-0-0 (min. 0-1-8), C=134/4-0-0 (min. 0-1-8)
Max Horz A=81(LC 4)
Max Uplift A=51(LC 7), C=51(LC 7)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=99/75, B-C=99/75
BOT CHORD A-C=30/50

- NOTES-** (7)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 130mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (low-rise) 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 2009 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



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.

