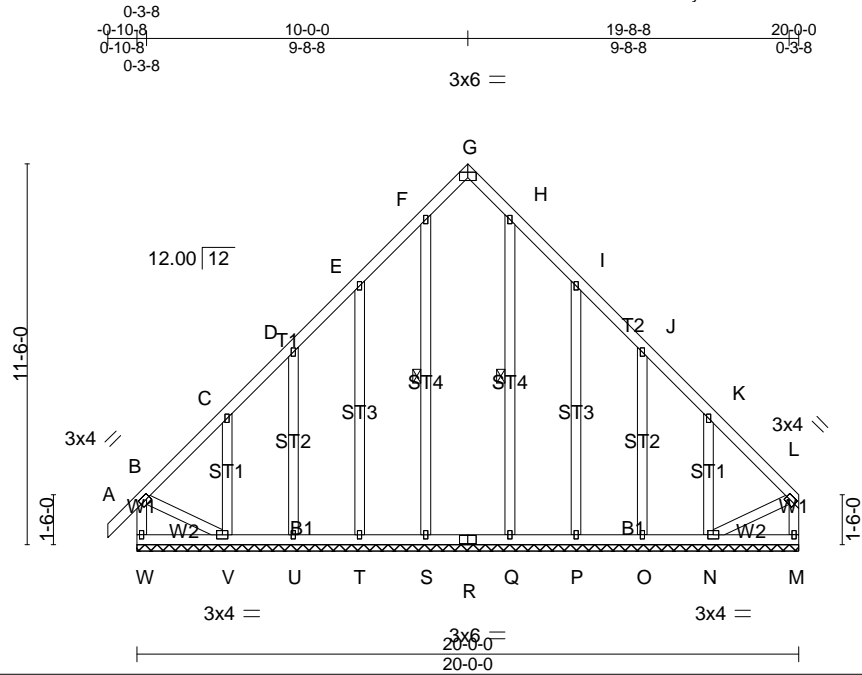


Job 67049701	Truss A1	Truss Type GABLE	Qty 1	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD

8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:39 2017 Page 1
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Scale = 1:69.6

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

LOADING (psf) 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 0.08 BC 0.06 WB 0.15 Matrix-SH	DEFL. in (loc) l/def L/d Vert(LL) -0.00 A n/r 120 Vert(TL) -0.00 A n/r 90 Horz(TL) 0.01 M n/a n/a	PLATES MT20 Weight: 165 lb	GRIP 244/190 FT = 20%
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LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6'-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10'-0-0 oc bracing.
WEBS 1 Row at midpt F-S, H-Q

REACTIONS. All bearings 20-0-0.
(lb) - Max Horz W=356(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) W, M, S, U, Q, O except T=-129(LC 5), V=-296(LC 5), P=-132(LC 6), N=-291(LC 6)
Max Grav All reactions 250 lb or less at joint(s) S, T, U, V, Q, P, O, N except W=362(LC 5), M=390(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-W=-344/79, B-C=-360/97, K-L=-362/74, L-M=-375/58
BOT CHORD V-W=-336/318, U-V=-72/318, T-U=-72/318, S-T=-72/318, R-S=-72/318, Q-R=-72/318, P-Q=-72/318, O-P=-72/318, N-O=-72/318
WEBS B-V=-75/394, L-N=-72/350

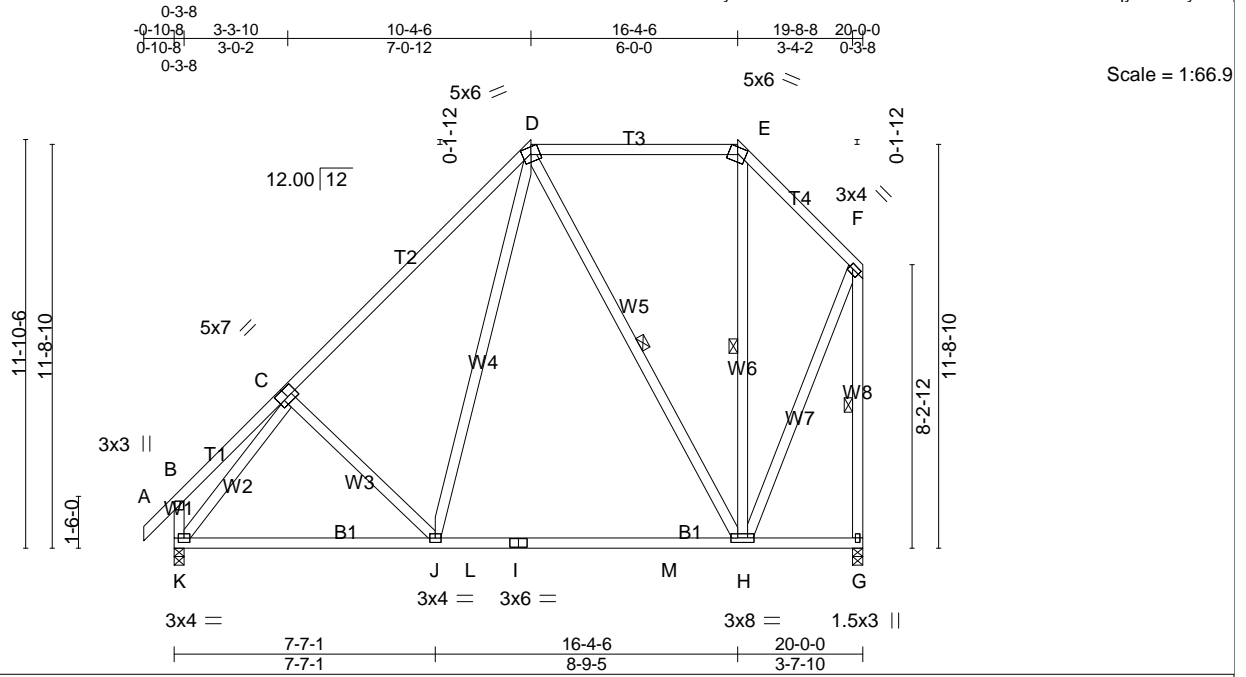
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2'-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6-0 tall by 2'-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) W, M, S, U, Q, O except (jt=lb) T=129, V=296, P=132, N=291.
 - 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.





Scale = 1:66.9

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

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	CSI. TC 0.67 BC 0.88 WB 0.56 Matrix-MSH	DEFL. in (loc) l/def L/d Vert(LL) -0.29 H-J >811 240 Vert(TL) -0.48 H-J >495 180 Horz(TL) 0.02 G n/a n/a	PLATES GRIP MT20 244/190 Weight: 165 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 *Except* W6: 2x4 SP No.2	BRACING- TOP CHORD Structural wood sheathing directly applied or 3-1-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.); D-E. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. WEBS 1 Row at midpt E-H, F-G, D-H
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REACTIONS. (lb/size) K=948/0-3-8 (min. 0-1-8), G=918/0-3-8 (min. 0-1-8)
Max Horz K=375(LC 5)
Max Uplift K=73(LC 5), G=-138(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD C-D=-878/162, D-E=-263/127, E-F=-411/108, F-G=-971/137
BOT CHORD J-K=-340/579, J-L=-119/415, I-L=-119/415, I-M=-119/415, H-M=-119/415
WEBS C-J=-99/299, C-K=-1025/86, F-H=-104/683, D-H=-337/170, D-J=-105/407

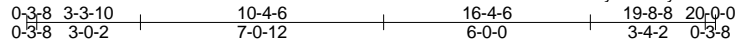
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) K except (jt=lb) G=138.
 - 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 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.





Scale = 1:66.9

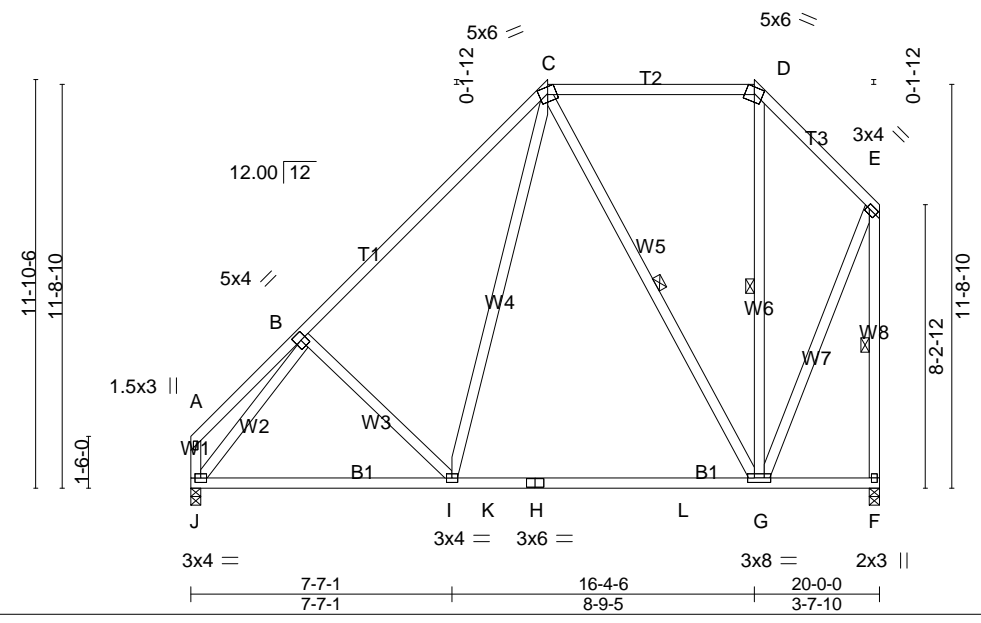


Plate Offsets (X,Y)-- [E:0-1-0,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.68	in (loc) l/def L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.88	Vert(LL) -0.29 G-1 >810 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.55	Vert(TL) -0.48 G-1 >495 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MSH	Horz(TL) 0.02 F n/a n/a		
	Code IRC2009/TPI2007			Weight: 163 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except*
 W6: 2x4 SP No.2

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

REACTIONS. (lb/size) J=885/0-3-8 (min. 0-1-8), F=919/0-3-8 (min. 0-1-8)
 Max Horz J=447(LC 4)
 Max Uplift J=63(LC 5), F=-121(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-882/196, C-D=-263/172, D-E=-412/182, E-F=-972/124
 BOT CHORD I-J=-384/585, I-K=-239/416, H-K=-239/416, H-L=-239/416, G-L=-239/416
 WEBS B-I=-104/290, B-J=-1014/154, E-G=-178/684, C-G=-339/202, C-I=-94/410

- 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) J except (jt=b) F=121.
 - 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 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 67049701	Truss B1	Truss Type PIGGYBACK BASE SUPPO	Qty 1	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD
 8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:41 2017 Page 1
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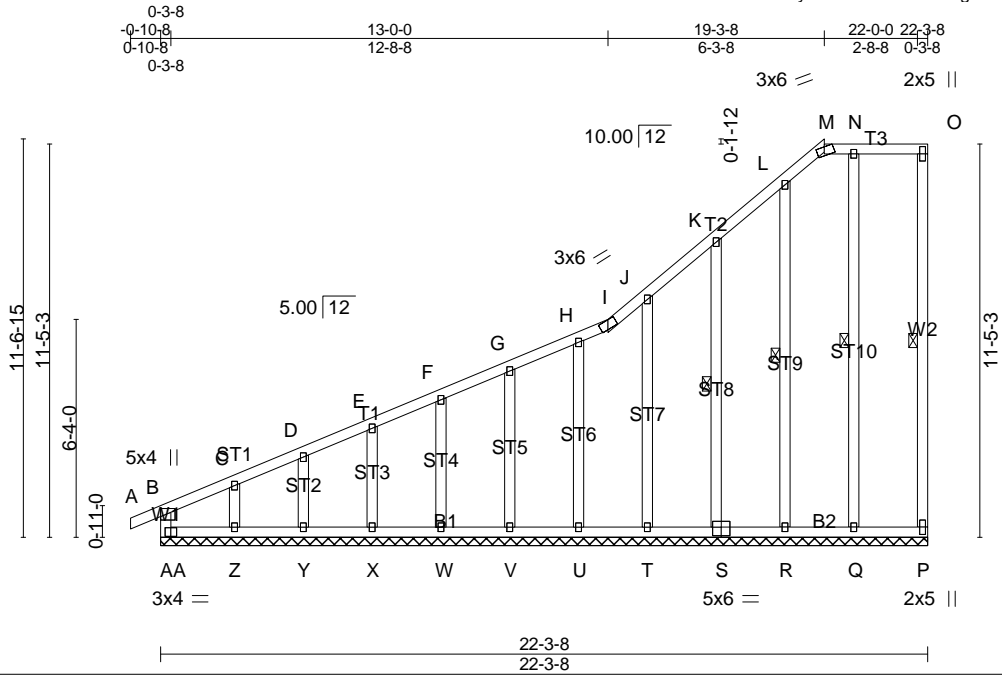


Plate Offsets (X,Y)-- [B:0-2-0,0-1-12], [S:0-3-0,0-3-0]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	CSI. TC 0.44 BC 0.20 WB 0.11 Matrix-R	DEFL. in (loc) l/def L/d Vert(LL) -0.00 A n/r 120 Vert(TL) -0.00 A n/r 90 Horz(TL) -0.00 P n/a n/a	PLATES MT20 GRIP 244/190 Weight: 173 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 OTHERS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): M-O. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1 Row at midpt O-P, K-S, L-R, N-Q
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REACTIONS. All bearings 22-3-8.
 (lb) - Max Horz AA=435(LC 5)
 Max Uplift All uplift 100 lb or less at joint(s) P, S, V, W, X, Y, U, T, R, Q except Z=254(LC 5)
 Max Grav All reactions 250 lb or less at joint(s) P, S, V, W, X, Y, Z, U, T, R, Q except AA=271(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-454/19, C-D=-374/21, D-E=-350/20, E-F=-314/21, F-G=-280/20

- 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 exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) AA considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) P, S, V, W, X, Y, U, T, R, Q except (t=lb) Z=254.
 - 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.

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.



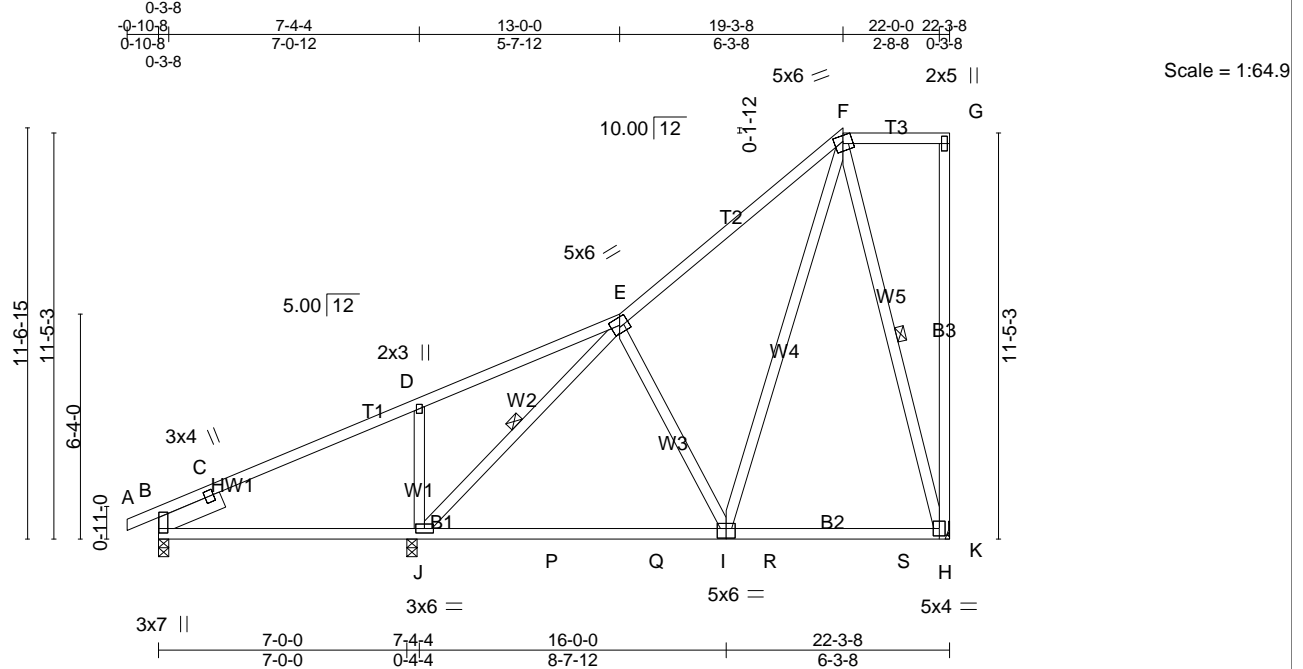


Plate Offsets (X,Y)-- [B:0-5-3,0-0-3], [I:0-3-0,0-3-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.59	in (loc) l/def L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.68	Vert(LL) -0.11 I-J >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.47	Vert(TL) -0.25 I-J >718 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MSH	Horz(TL) 0.03 B n/a n/a		
	Code IRC2009/TPI2007			Weight: 153 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-6-9 oc purlins, except
BOT CHORD 2x4 SP No.2 *Except*	2-0-0 oc purlins (6-0-0 max.): F-G.
B3: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 8-9-2 oc bracing. Except:
WEBS 2x4 SP No.3	6-0-0 oc bracing: G-K
SLIDER Left 2x6 SP No.2 1-11-12	WEBS 1 Row at midpt E-J, F-H

REACTIONS. (lb/size) B=478/0-3-8 (min. 0-1-8), J=798/0-3-8 (min. 0-1-8), K=816/Mechanical
 Max Horz B=421(LC 5)
 Max Uplift B=117(LC 5), K=248(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD C-D=404/122, D-E=478/220, E-F=590/55
 BOT CHORD H-K=816/248, B-J=429/373, J-P=-258/523, P-Q=-258/523, I-Q=-258/523
 WEBS D-J=-404/217, E-J=-250/0, E-I=-355/304, F-I=-176/677, F-H=-682/295

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TC DL=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
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=117, K=248.
 - 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



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



Job 67049701	Truss B3	Truss Type PIGGYBACK BASE	Qty 1	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD
 8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:42 2017 Page 1
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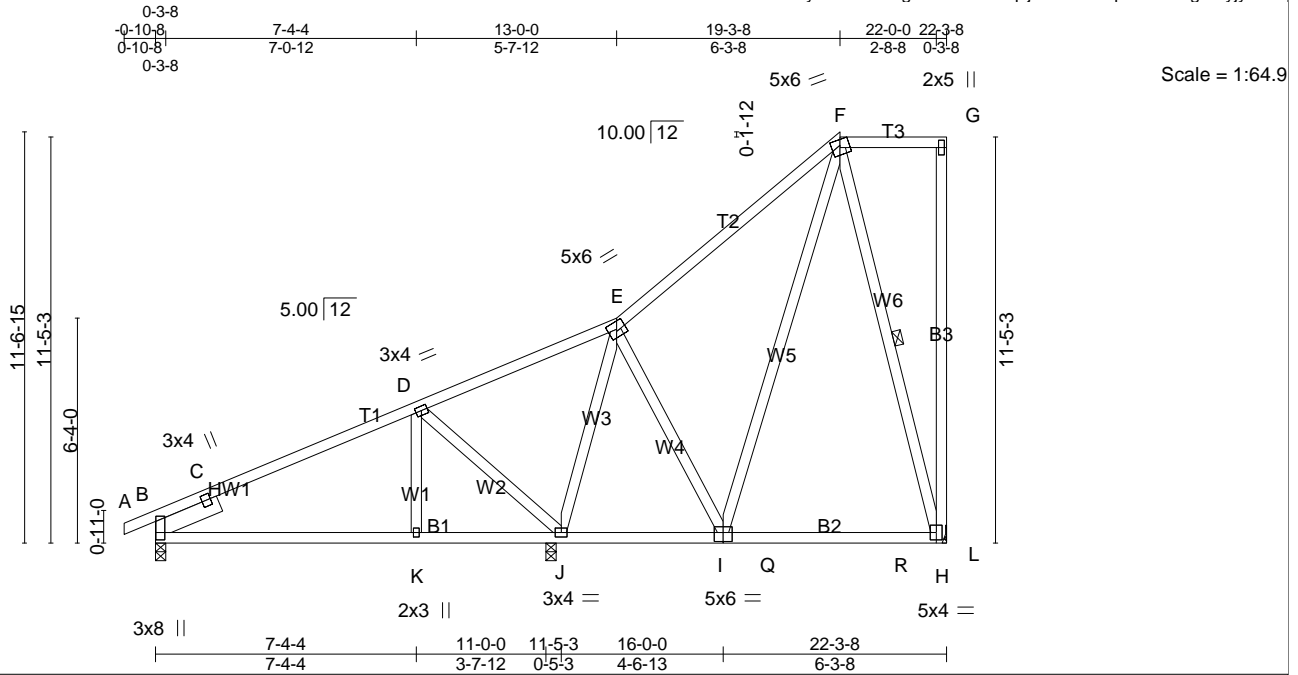


Plate Offsets (X,Y)-- [B:0-6-3,0-0-3], [I:0-3-0,0-3-0]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL 2-0-0 Lumber DOL 1.15 Rep Stress Incr 1.15 Code IRC2009/TPI2007	CSI. TC 0.56 BC 0.47 WB 0.42 Matrix-MSH	DEFL. in (loc) l/defl L/d Vert(LL) -0.08 H-1 >999 240 Vert(TL) -0.15 H-1 >874 180 Horz(TL) 0.03 B n/a n/a	PLATES MT20 GRIP 244/190 Weight: 158 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 *Except* B3: 2x4 SP No.3 WEBS 2x4 SP No.3 SLIDER Left 2x6 SP No.2 1-11-12	BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): F-G. BOT CHORD Rigid ceiling directly applied or 9-3-4 oc bracing. Except: 6-0-0 oc bracing: G-L WEBS 1 Row at midpt F-H
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REACTIONS. (lb/size) B=557/0-3-8 (min. 0-1-8), J=834/0-3-8 (min. 0-1-8), L=584/Mechanical
 Max Horz B=421(LC 5)
 Max Uplift B=86(LC 3), J=-1(LC 5), L=-231(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-293/0, C-D=-544/99, E-F=-359/45
 BOT CHORD H-L=-584/231, B-K=-375/502, J-K=-375/502
 WEBS D-K=0/254, E-J=-445/0, E-L=-25/253, F-I=-158/264, F-H=-423/285, D-J=-562/175

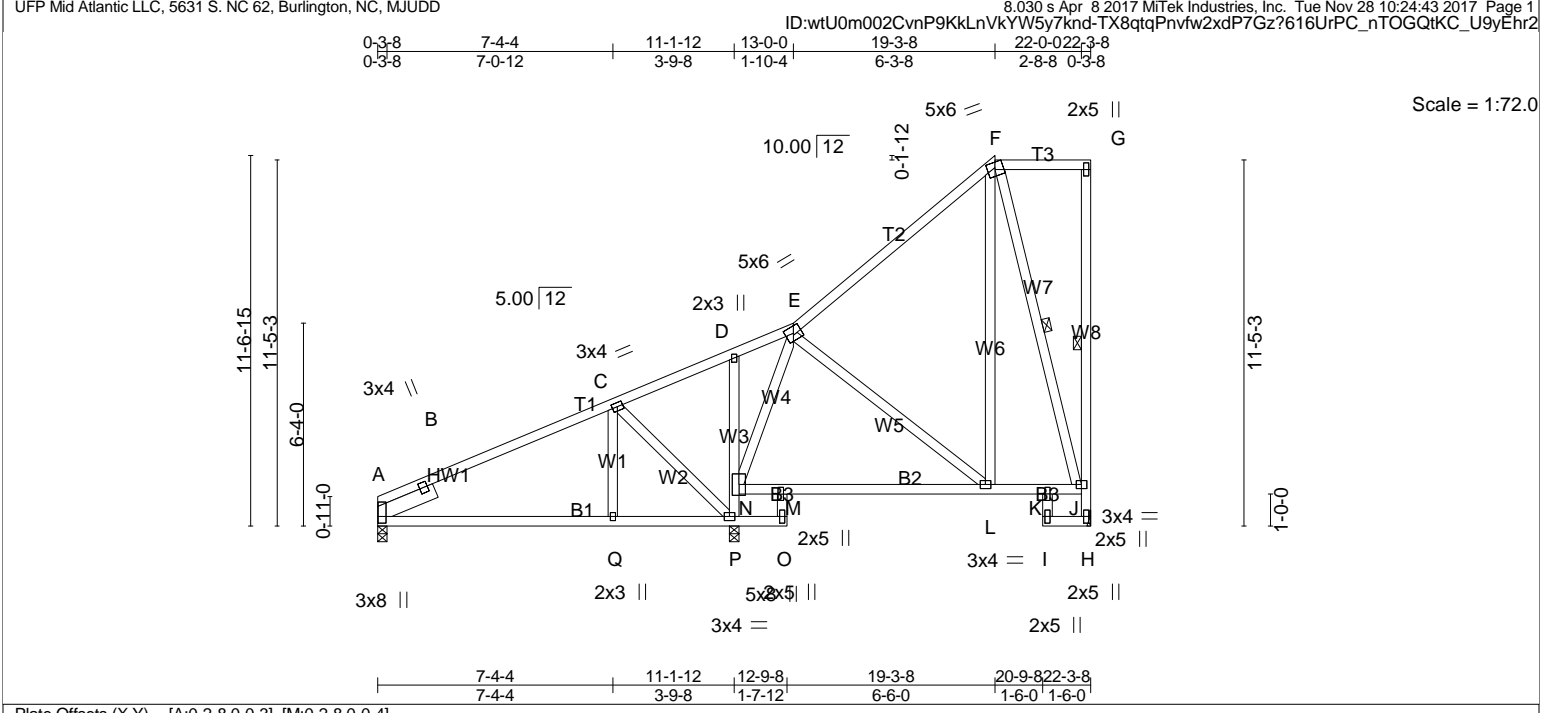
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, J except (jt=lb) L=231.
 - 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



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





Scale = 1:72.0

Plate Offsets (X,Y)-- [A:0-2-8,0-0-3], [M:0-2-8,0-0-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.54	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.39	Vert(LL) 0.07 Q-T >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.29	Vert(TL) -0.17 Q-T >782 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MSH	Horz(TL) 0.04 A n/a n/a		
	Code IRC2009/TPI2007			Weight: 167 lb	FT = 20%

LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 *Except* B3: 2x4 SP No.3 WEBS 2x4 SP No.3 SLIDER Left 2x6 SP No.2 1-11-12	BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.); F-G. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. WEBS 1 Row at midpt G-H, F-J
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REACTIONS. (lb/size) A=437/0-3-8 (min. 0-1-8), H=431/Mechanical, P=904/0-3-8 (min. 0-1-8)
Max Horz A=402(LC 5)
Max UpliftA=-50(LC 3), H=-185(LC 5), P=-94(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-321/0, B-C=-408/92, E-F=-260/24, H-J=-417/191
BOT CHORD A-Q=-291/376, P-Q=-291/376
WEBS N-P=-434/40, F-J=-393/212, E-N=-404/66, C-P=-542/196

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TC DL=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
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, P except (if=lb) H=185.
 - 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

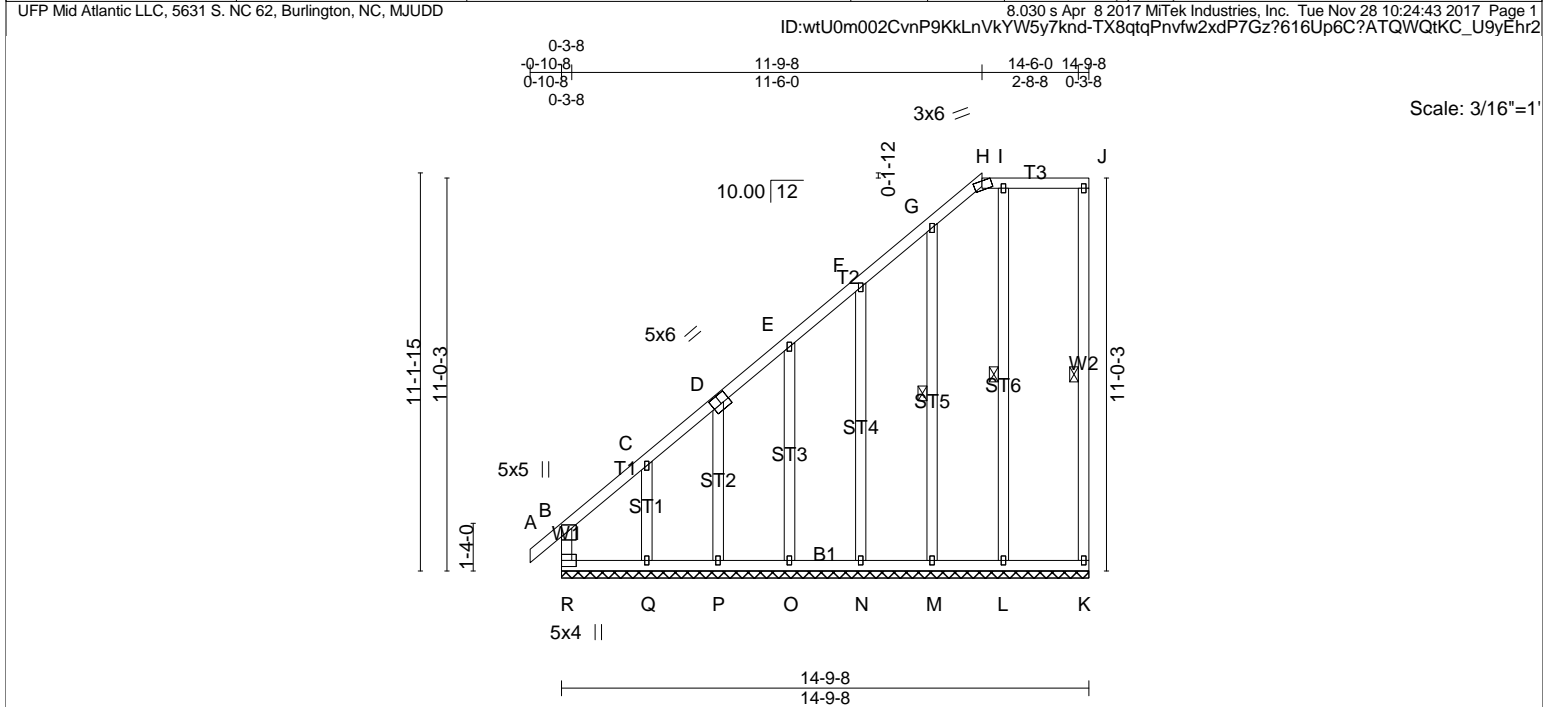


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design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



Job 67049701	Truss C1	Truss Type PIGGYBACK BASE SUPPO	Qty 1	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)
8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:43 2017 Page 1
ID:wtU0m002CvnP9KkLnVkyW5y7knd-TX8qtqPnvfw2xdP7Gz?616Up6C?ATQWQtKC_U9yEhr2



Scale: 3/16"=1'

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

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	CSI. TC 0.68 BC 0.36 WB 0.15 Matrix-R	DEFL. in (loc) l/defl L/d Vert(LL) 0.00 A n/r 120 Vert(TL) -0.00 A n/r 90 Horz(TL) -0.00 K n/a n/a	PLATES MT20 GRIP 244/190 Weight: 129 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 OTHERS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.); H-J. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1 Row at midpt J-K, G-M, I-L
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REACTIONS. All bearings 14-9-8.
(lb) - Max Horz R=433(LC 5)
Max Uplift All uplift 100 lb or less at joint(s) R, K, N, M, L except O=-104(LC 5), Q=-415(LC 5)
Max Grav All reactions 250 lb or less at joint(s) K, O, P, Q, N, M, L except R=469(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-R=-336/26, B-C=-523/57, C-D=-323/37, D-E=-270/38
WEBS C-Q=-125/285

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TC DL=6.0psf; BC DL=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
 - 3) Truss designed for wind loads in the plane of the truss only.
 - 4) Provide adequate drainage to prevent water ponding.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) R, K, N, M, L except (t=lb) O=104, Q=415.
 - 12) 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.
 - 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

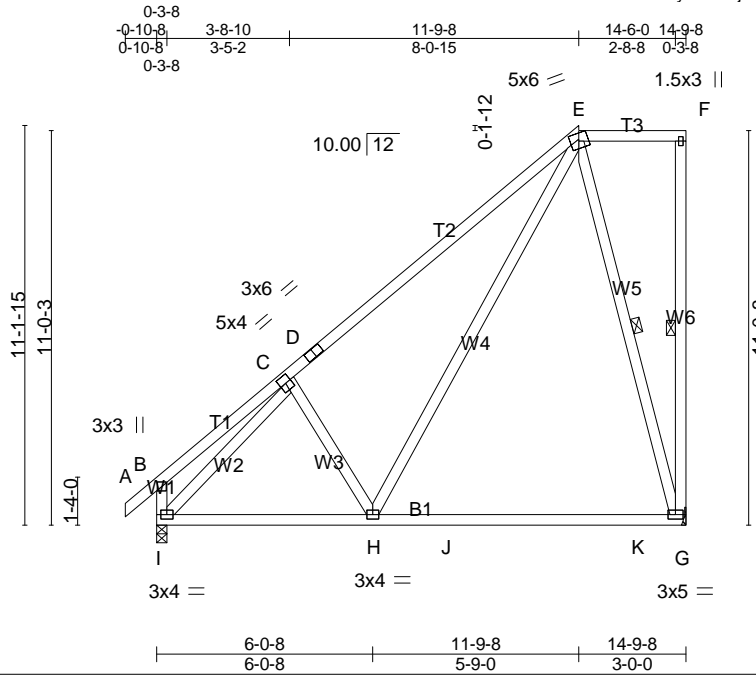
LOAD CASE(S) Standard



Job 67049701	Truss C2	Truss Type PIGGYBACK BASE	Qty 5	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD
 8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:44 2017 Page 1
 ID:wtU0m002CvnP9KkLnVkyW5y7knd-xjiC5AQPgz3vZm_KqhWLaK0yYcBtCnJZ5_xX0byEhr1



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 0.83 BC 0.97 WB 0.56 Matrix-MSH	DEFL. in (loc) l/defl L/d Vert(LL) -0.32 G-H >543 240 Vert(TL) -0.57 G-H >306 180 Horz(TL) 0.01 G n/a n/a	PLATES MT20 Weight: 116 lb GRIP 244/190 FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.); E-F. BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. WEBS 1 Row at midpt F-G, E-G
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REACTIONS. (lb/size) G=734/Mechanical, l=700/0-3-8 (min. 0-1-8)
 Max Horz l=433(LC 5)
 Max Uplift G=224(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD C-D=-704/38, D-E=-533/93
 BOT CHORD H-I=-340/523
 WEBS E-G=-535/308, E-H=-192/560, C-H=-211/326, C-I=-891/0

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 100mph; TC DL=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
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) G=224.
 - 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.

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 67049701	Truss D1	Truss Type Common Supported Gable	Qty 1	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD
 8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:44 2017 Page 1
 ID:wtU0m002CvnP9KkLnVkyW5y7knd-xjiC5AQPgz3vZm_KqhWLaK04TcORCtnZ5_xX0byEhr1

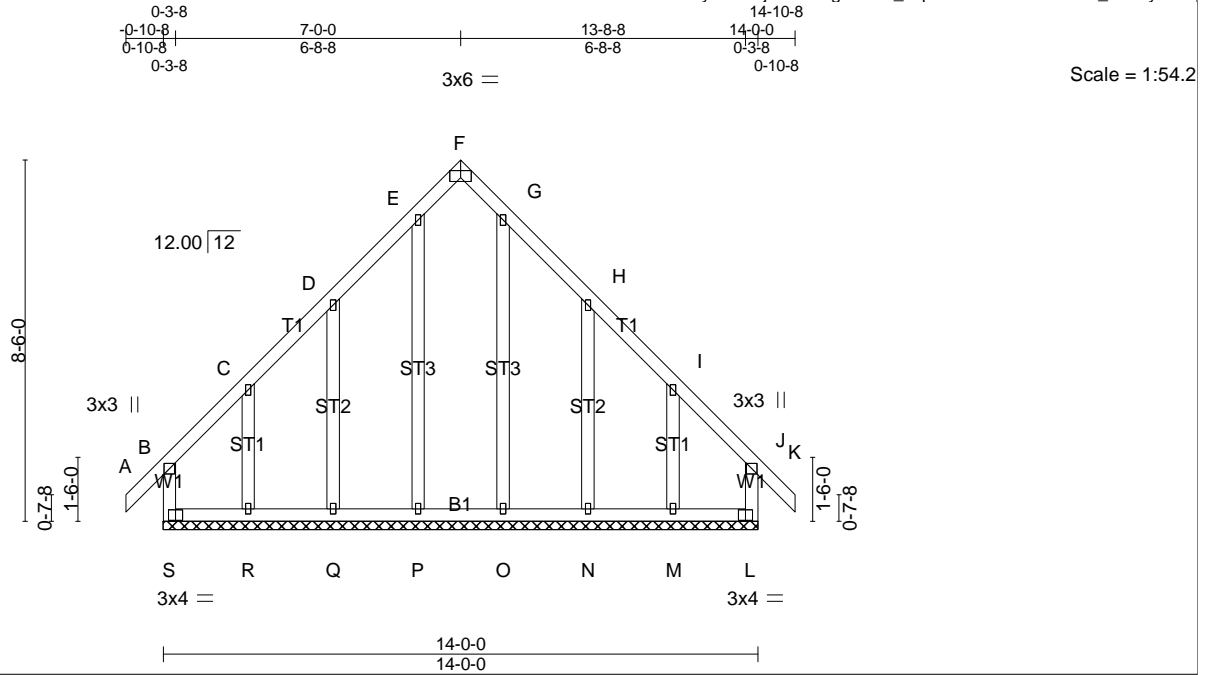


Plate Offsets (X,Y)-- [F:0-3-0,Edge]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	CSI. TC 0.26 BC 0.17 WB 0.15 Matrix-R	DEFL. in (loc) l/def L/d Vert(LL) -0.00 K n/r 120 Vert(TL) -0.01 K n/r 90 Horz(TL) 0.00 L n/a n/a	PLATES MT20 GRIP 244/190 Weight: 102 lb FT = 20%
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LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 14-0-0.
 (lb) - Max Horz S=-255(LC 3)
 Max Uplift All uplift 100 lb or less at joint(s) except S=-155(LC 3), L=-143(LC 4), Q=-132(LC 5), R=-207(LC 5), N=-134(LC 6), M=-204(LC 6)
 Max Grav All reactions 250 lb or less at joint(s) S, L, P, Q, R, O, N, M

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

- 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
 - Truss designed for wind loads in the plane of the truss only.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) S, L considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 155 lb uplift at joint S, 143 lb uplift at joint L, 132 lb uplift at joint Q, 207 lb uplift at joint R, 134 lb uplift at joint N and 204 lb uplift at joint M.
 - 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 67049701	Truss D2	Truss Type Common	Qty 1	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD
 Job Reference (optional)
 8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:45 2017 Page 1
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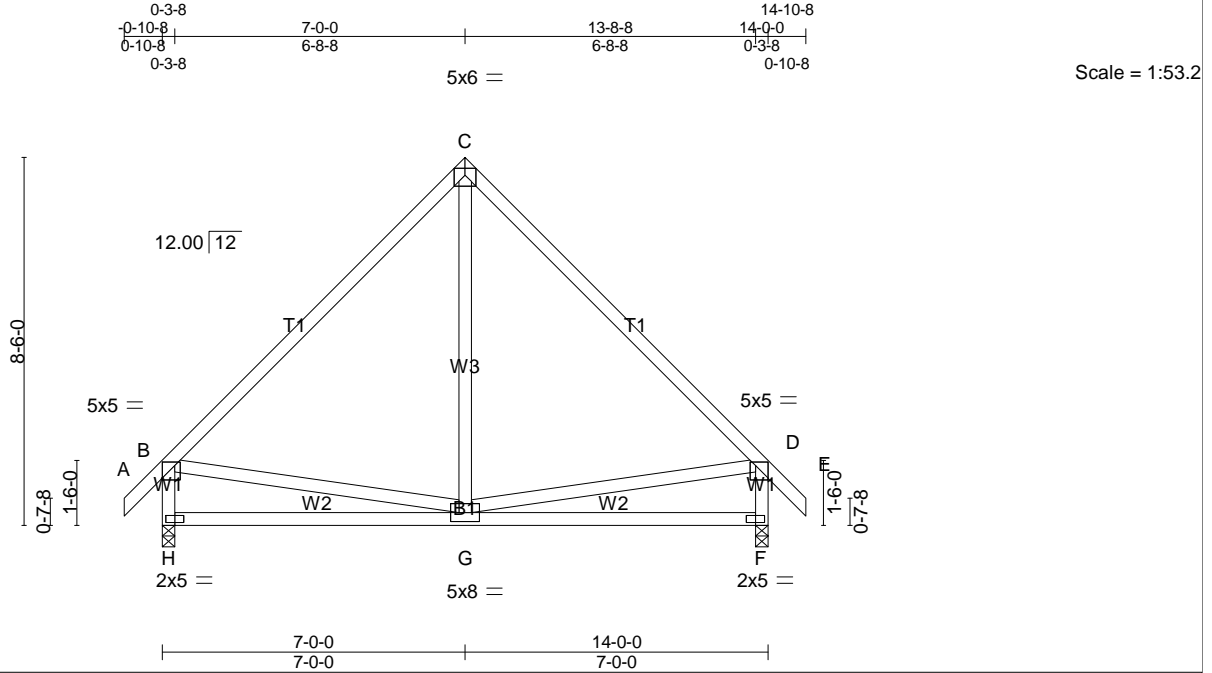


Plate Offsets (X,Y)-- [B:0-3-8,0-1-0], [D:0-3-8,0-1-0]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	CSI. TC 0.82 BC 0.42 WB 0.11 Matrix-MSH	DEFL. in (loc) l/defl L/d Vert(LL) -0.05 G-H >999 240 Vert(TL) -0.11 G-H >999 180 Horz(TL) 0.01 F n/a n/a	PLATES MT20 GRIP 244/190 Weight: 89 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 6'-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 9'-10-15 oc bracing.
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REACTIONS. (lb/size) H=610/0-3-8 (min. 0-1-8), F=610/0-3-8 (min. 0-1-8)
 Max Horz H=-255(LC 3)
 Max Uplift H=-91(LC 5), F=-91(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-516/134, C-D=-516/134, B-H=-548/125, D-F=-548/125
 BOT CHORD G-H=-347/336
 WEBS C-G=0/277, B-G=-118/321, D-G=-122/323

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TCCL=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) Bearing at joint(s) H, F considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint H and 91 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.

LOAD CASE(S) Standard

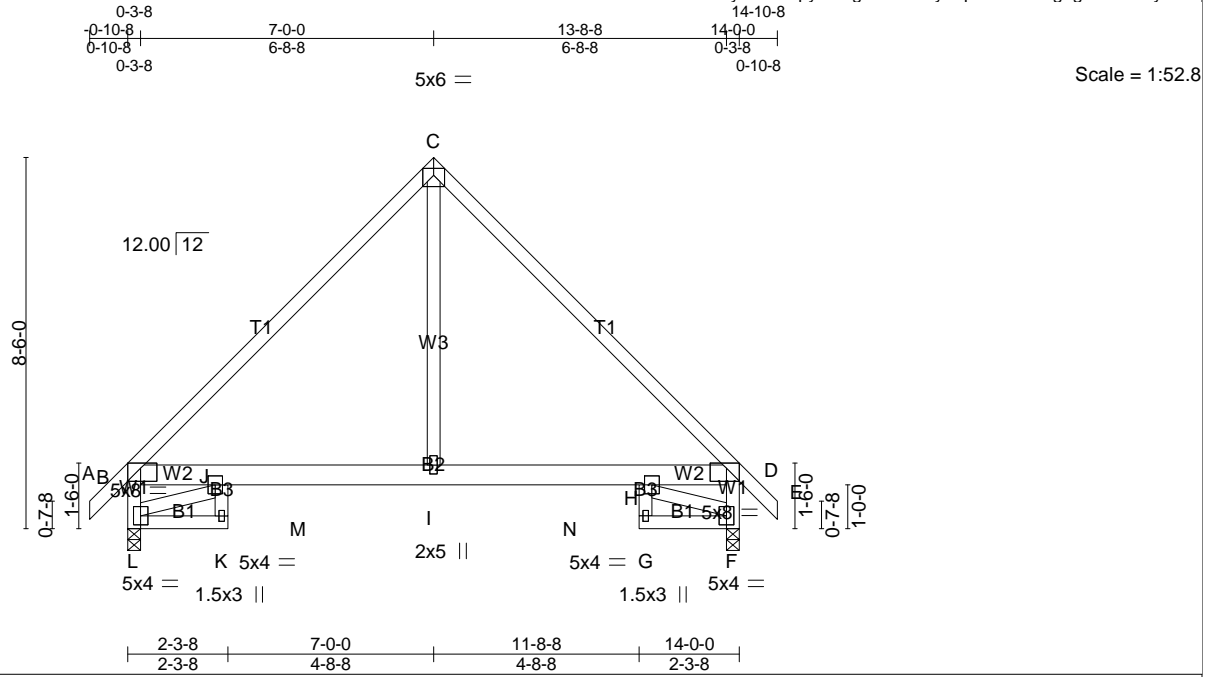


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design 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 67049701	Truss D3	Truss Type Roof Special	Qty 1	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)
8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:46 2017 Page 1
ID:wtU0m002CvnP9KkLnVkyW5y7knd-t6pyWrRgBaJco48iy6Zpfk6LXQ0LgngsZIq5UyEhr?



Scale = 1:52.8

Plate Offsets (X,Y)-- [B:0-4-8,0-3-9], [D:0-4-8,0-3-9]

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 0.61 BC 0.33 WB 0.19 Matrix-MSH	DEFL. in (loc) l/defl L/d Vert(LL) 0.06 I-J >999 240 Vert(TL) -0.07 H-I >999 180 Horz(TL) 0.06 F n/a n/a	PLATES MT20 Weight: 93 lb	GRIP 244/190 FT = 20%
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LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP No.3, B2: 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) L=735/0-3-8 (min. 0-1-8), F=735/0-3-8 (min. 0-1-8)
Max Horz L=-255(LC 3)
Max Uplift L=-91(LC 5), F=-91(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-742/113, C-D=-742/146, B-L=-720/162, D-F=-720/107
BOT CHORD B-J=-15/342, J-M=-51/413, I-M=-51/413, I-N=-51/413, H-N=-51/413, D-H=-76/342
WEBS C-I=-13/450, J-L=-251/241

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TC DL=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, with BCDL = 10.0psf.
 - 5) Bearing at joint(s) L, F 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 91 lb uplift at joint L and 91 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.

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.

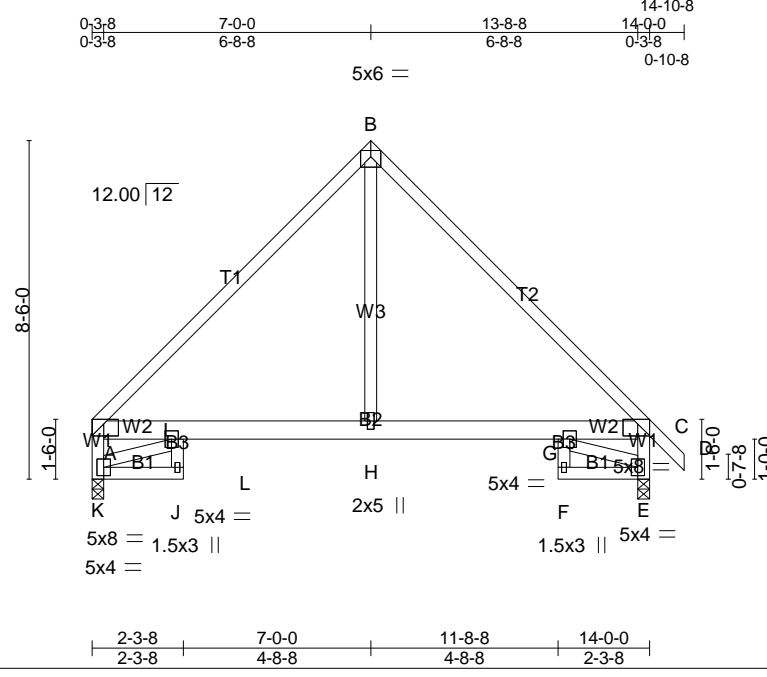


Job 67049701	Truss D4	Truss Type ROOF SPECIAL	Qty 3	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD

8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:46 2017 Page 1
ID:wtU0m002CvnP9KkLnVkyW5y7knd-t6pyWrrgBaJco48iy6Zpfk6LMQ1ZgnKsZIQe5UyEhr?



Scale = 1:57.9

Plate Offsets (X,Y)-- [A:0-4-8,0-3-9], [C:0-4-8,0-3-9]

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 0.62 BC 0.32 WB 0.14 Matrix-MSH	DEFL. in (loc) l/defl L/d Vert(LL) 0.06 H-I >999 240 Vert(TL) -0.08 H-I >999 180 Horz(TL) 0.06 E n/a n/a	PLATES MT20 Weight: 91 lb	GRIP 244/180 FT = 20%
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LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP No.3, B2: 2x6 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) K=623/0-3-8 (min. 0-1-8), E=660/0-3-8 (min. 0-1-8)
Max Horz K=270(LC 3)
Max Uplift K=66(LC 6), E=90(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=670/112, B-C=671/143, A-K=608/98, C-E=647/107
BOT CHORD A-I=-26/283, I-L=-50/362, H-L=-50/362, G-H=-50/362, C-G=-75/299
WEBS B-H=-9/349, I-K=-234/254

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TCCL=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, with BCDL = 10.0psf.
 - 5) Bearing at joint(s) K, E considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint K and 90 lb uplift at joint E.
 - 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



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.



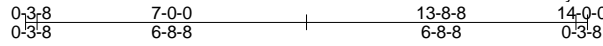
Job 67049701	Truss D5	Truss Type ROOF SPECIAL	Qty 1	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD

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ID:wtU0m002CvnP9KkLnVkyYW5y7knd-LINKjBSlyuRTQEjuVp42CyeWBqMhPEW?oyABdwyEhr_



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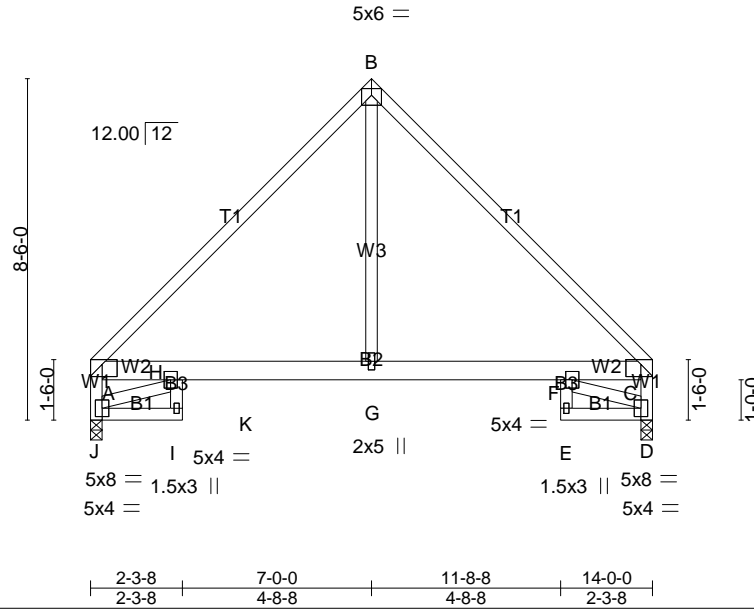


Plate Offsets (X,Y)-- [A:0-4-8,0-3-9], [C:0-4-8,0-3-9]

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 0.61 BC 0.33 WB 0.15 Matrix-MSH	DEFL. in (loc) l/def L/d Vert(LL) 0.06 G-H >999 240 Vert(TL) -0.08 G-H >999 180 Horz(TL) 0.06 D n/a n/a	PLATES MT20 GRIP 244/190 Weight: 89 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 *Except* B3: 2x4 SP No.3, B2: 2x6 SP No.2 WEBS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 5-10-10 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS. (lb/size) J=625/0-3-8 (min. 0-1-8), D=597/0-3-8 (min. 0-1-8)
Max Horz J=-251(LC 3)
Max Uplift J=65(LC 6), D=-65(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=674/125, B-C=675/148, A-J=611/107, C-D=585/81
BOT CHORD A-H=-30/286, H-K=-67/365, G-K=-67/365, F-G=-67/365, C-F=-90/285
WEBS B-G=-15/355

- 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, with BCDL = 10.0psf.
 - 5) Bearing at joint(s) J, D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 65 lb uplift at joint J and 65 lb uplift at joint D.
 - 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

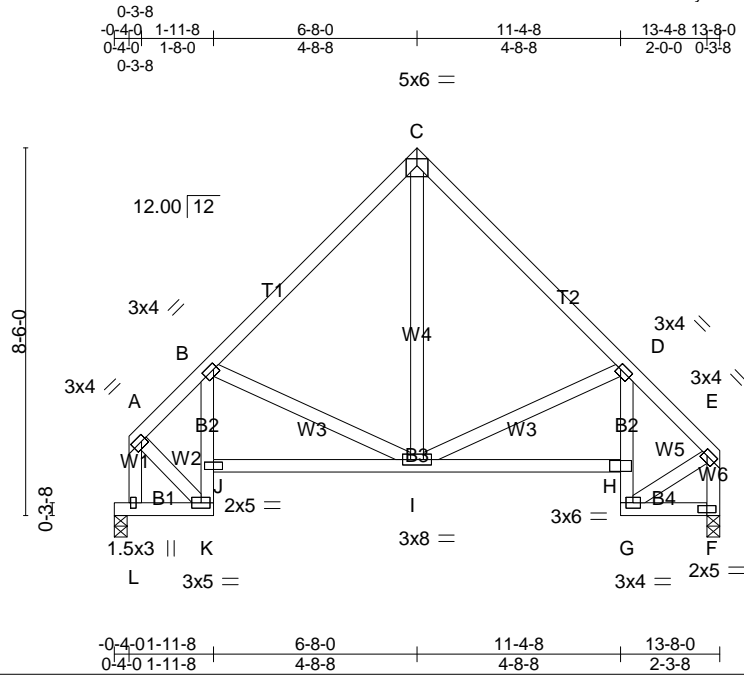


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design 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 67049701	Truss D6	Truss Type Roof Special	Qty 1	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)
8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:47 2017 Page 1
ID:wtU0m002CvnP9KkLnVkyYw5y7knd-LINKjBSiyuRTQEjuVp42CyebUqEkPEN?oyABdwyEhr_



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

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	CSI. TC 0.28 BC 0.84 WB 0.16 Matrix-MSH	DEFL. in (loc) l/defl L/d Vert(LL) 0.03 I-J >999 240 Vert(TL) -0.07 H-I >999 180 Horz(TL) 0.11 F n/a n/a	PLATES MT20 GRIP 244/190 Weight: 94 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 *Except* B2: 2x4 SP No.3 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 6-0-0 oc bracing.
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REACTIONS. (lb/size) L=535/0-3-8 (min. 0-1-8), F=535/0-3-8 (min. 0-1-8)
Max Horz L=-256(LC 3)
Max Uplift L=-66(LC 6), F=-63(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-409/72, B-C=-490/127, C-D=-490/143, D-E=-477/85, A-L=-571/73, E-F=-564/76
BOT CHORD I-J=-243/379, H-I=-29/432
WEBS C-I=-62/321, A-K=-44/378, E-G=-38/368

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TCCL=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) Bearing at joint(s) F considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint L and 63 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.

LOAD CASE(S) Standard



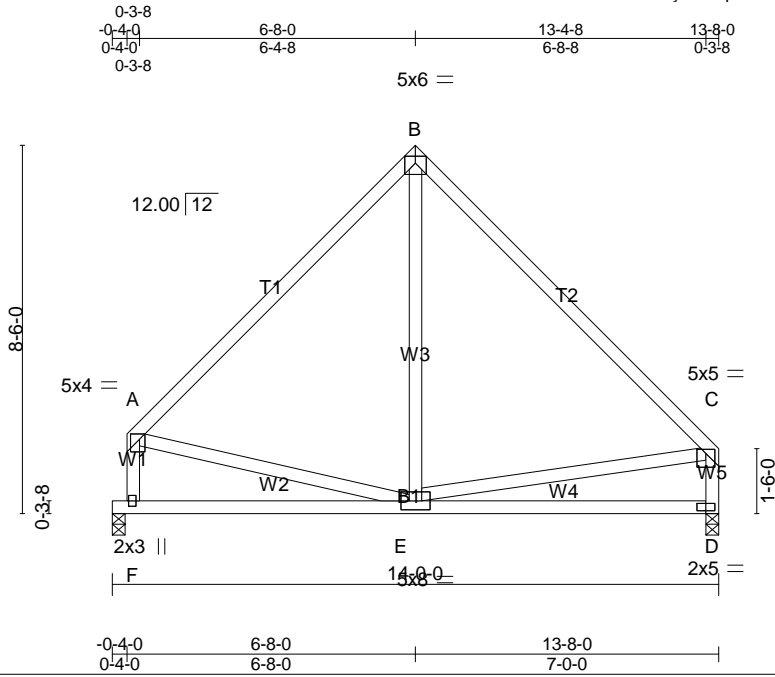
This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design 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 67049701	Truss D7	Truss Type Common	Qty 1	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)

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 ID:wtU0m002CvnP9KkLnVkyW5y7knd-pVxixXTwjBZK1OH53WbHk9BgbDhZ8iW90bvI8NyEhqz



Scale = 1:53.2

Plate Offsets (X,Y)-- [A:0-1-8,Edge], [C:0-2-8,0-1-4], [F:0-1-8,0-0-8]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL 2-0-0 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	CSI. TC 0.70 BC 0.41 WB 0.10 Matrix-MSH	DEFL. in (loc) l/defl L/d Vert(LL) -0.06 D-E >999 240 Vert(TL) -0.15 D-E >999 180 Horz(TL) 0.00 D n/a n/a	PLATES MT20 GRIP 244/190 Weight: 85 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 5-3-4 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS. (lb/size) F=535/0-3-8 (min. 0-1-8), D=535/0-3-8 (min. 0-1-8)
 Max Horz F=-256(LC 3)
 Max Uplift F=-66(LC 6), D=-63(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=-489/126, B-C=-494/126, A-F=-483/94, C-D=-469/100
 BOT CHORD E-F=-281/282
 WEBS B-E=0/252, C-E=-108/253

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 100mph; TCCL=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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint F and 63 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



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 67049701	Truss E1	Truss Type GABLE	Qty 1	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD

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ID:wtU0m002CvnP9KkLnVkyW5y7knd-pVxixXTwjBZK1OH53WbHk9BnDDnY8hB90bvl8NyEhqz
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 0-3-8 6-6-0 0-3-8

Scale = 1:73.6

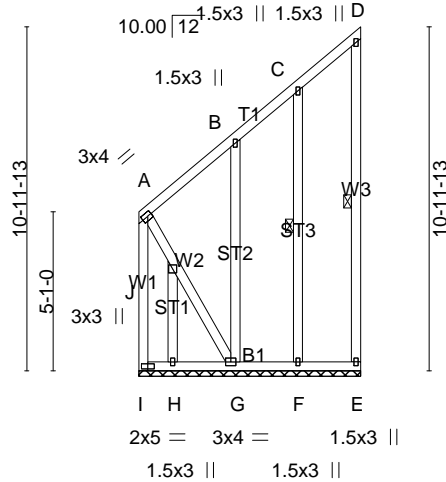


Plate Offsets (X,Y)-- [A:0-1-8,0-1-8]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	CSI. TC 0.21 BC 0.03 WB 0.18 Matrix-P	DEFL. in (loc) l/def L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) -0.00 E n/a n/a	PLATES MT20 GRIP 244/190 Weight: 83 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 OTHERS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1 Row at midpt D-E, C-F
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REACTIONS. All bearings 7-1-0.
 (lb) - Max Horz l=216(LC 5)
 Max Uplift All uplift 100 lb or less at joint(s) I, E, F except G=501(LC 5)
 Max Grav All reactions 250 lb or less at joint(s) E, F, G, H except I=446(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-I=443/22
 WEBS A-J=34/393, G-J=36/429

- 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 ; 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) Bearing at joint(s) I considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) I, E, F except (jt=lb) G=501.
 - 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.

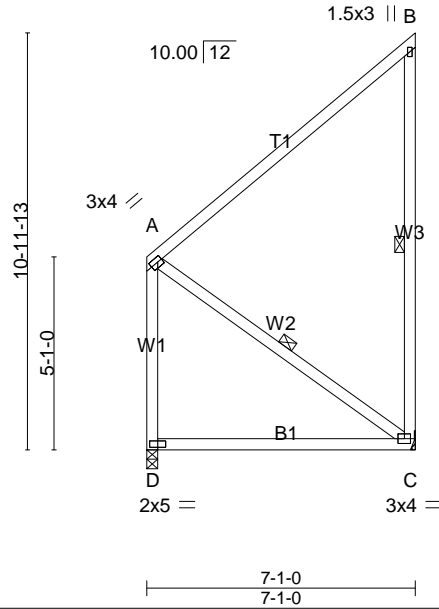


Job 67049701	Truss E2	Truss Type MONOPITCH	Qty 6	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD

Job Reference (optional)
8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:49 2017 Page 1

ID:wtU0m002CvnP9KkLnVKYV5y7knd-lhV58tUYUVhBfYsHdE6WHNku4d_pt95IFFfIqpyEhcy
6-9-8 7-1-0
6-9-8 0-3-8



Scale = 1:60.7

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

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	CSI. TC 0.46 BC 0.60 WB 0.08 Matrix-MP	DEFL. in (loc) l/def L/d Vert(LL) -0.13 C-D >639 240 Vert(TL) -0.32 C-D >255 180 Horz(TL) -0.00 C n/a n/a	PLATES MT20 GRIP 244/190 Weight: 59 lb FT = 20%
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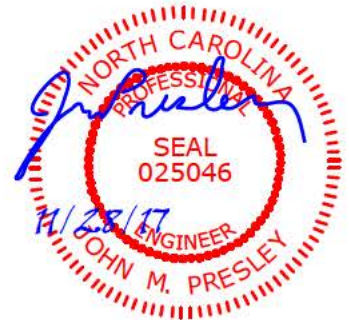
LUMBER- TOP CHORD 2x4 SP SS BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 7-1-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1 Row at midpt B-C, A-C
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REACTIONS. (lb/size) C=272/Mechanical, D=272/0-3-8 (min. 0-1-8)
Max Horz D=216(LC 5)
Max UpliftC=292(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS A-C=22/265

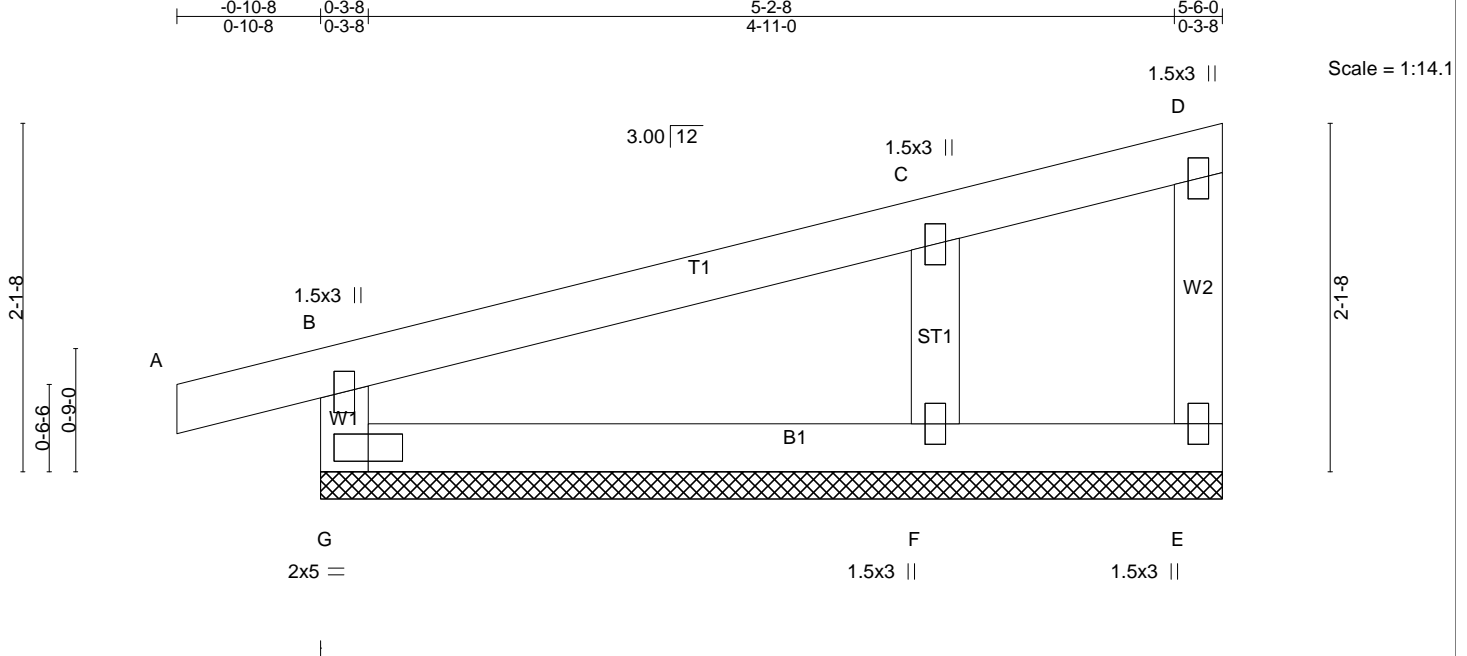
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Bearing at joint(s) D 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 100 lb uplift at joint(s) except (jt=lb) C=292.
 - 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.





LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.12	in (loc) l/def L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.09	Vert(LL) 0.00 A n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Vert(TL) 0.01 A n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-R	Horz(TL) -0.00 E n/a n/a		
	Code IRC2009/TPI2007			Weight: 22 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-6-0 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) G=192/5-6-0 (min. 0-1-8), E=15/5-6-0 (min. 0-1-8), F=271/5-6-0 (min. 0-1-8)
 Max Horz G=75(LC 4)
 Max Uplift G=61(LC 3), E=-3(LC 4), F=-56(LC 5)

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

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

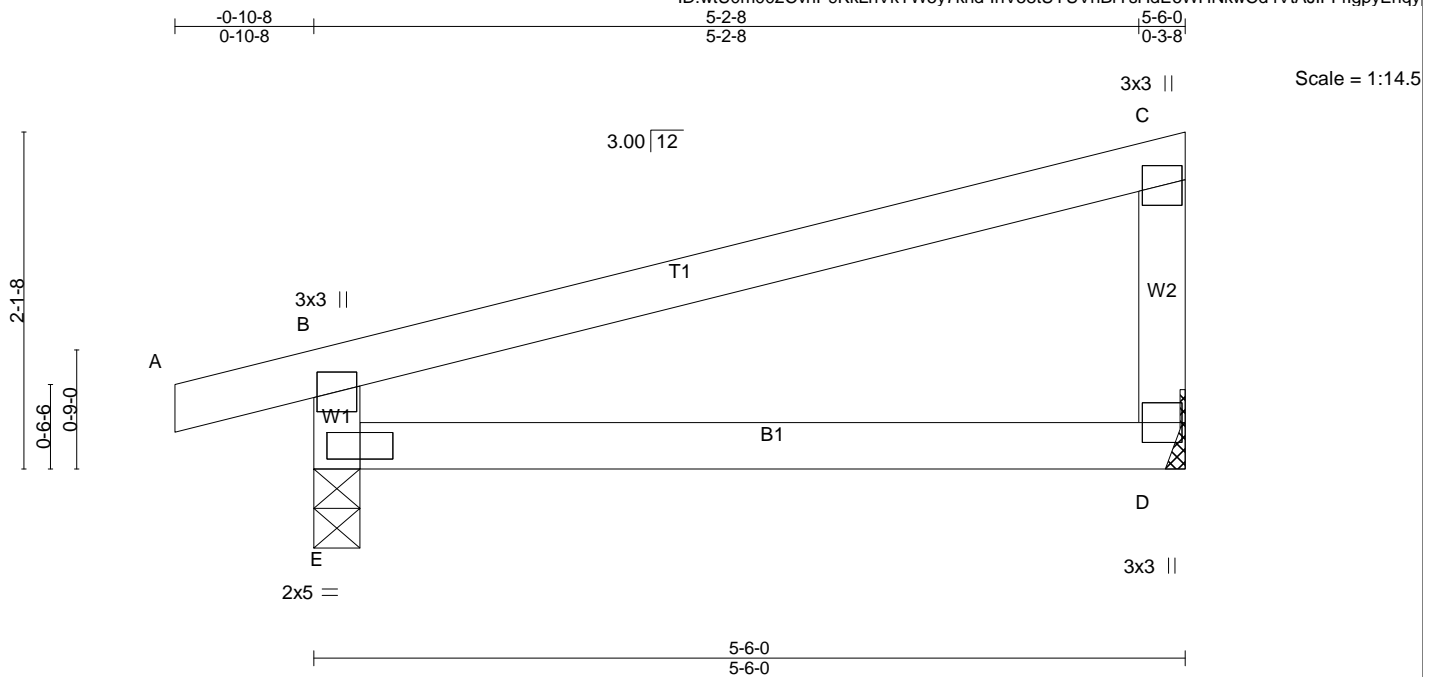
LOAD CASE(S) Standard



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.



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/def L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.33	Vert(LL) -0.03 D-E >999 240	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.24	Vert(TL) -0.07 D-E >922 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL) 0.00 D n/a n/a	
BCDL 10.0	Code IRC2009/TPI2007	Matrix-MR		Weight: 21 lb FT = 20%

LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 5-6-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
--	--

REACTIONS. (lb/size) D=202/Mechanical, E=276/0-3-8 (min. 0-1-8)
Max Horz E=75(LC 4)
Max Uplift D=-39(LC 5), E=-78(LC 3)

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

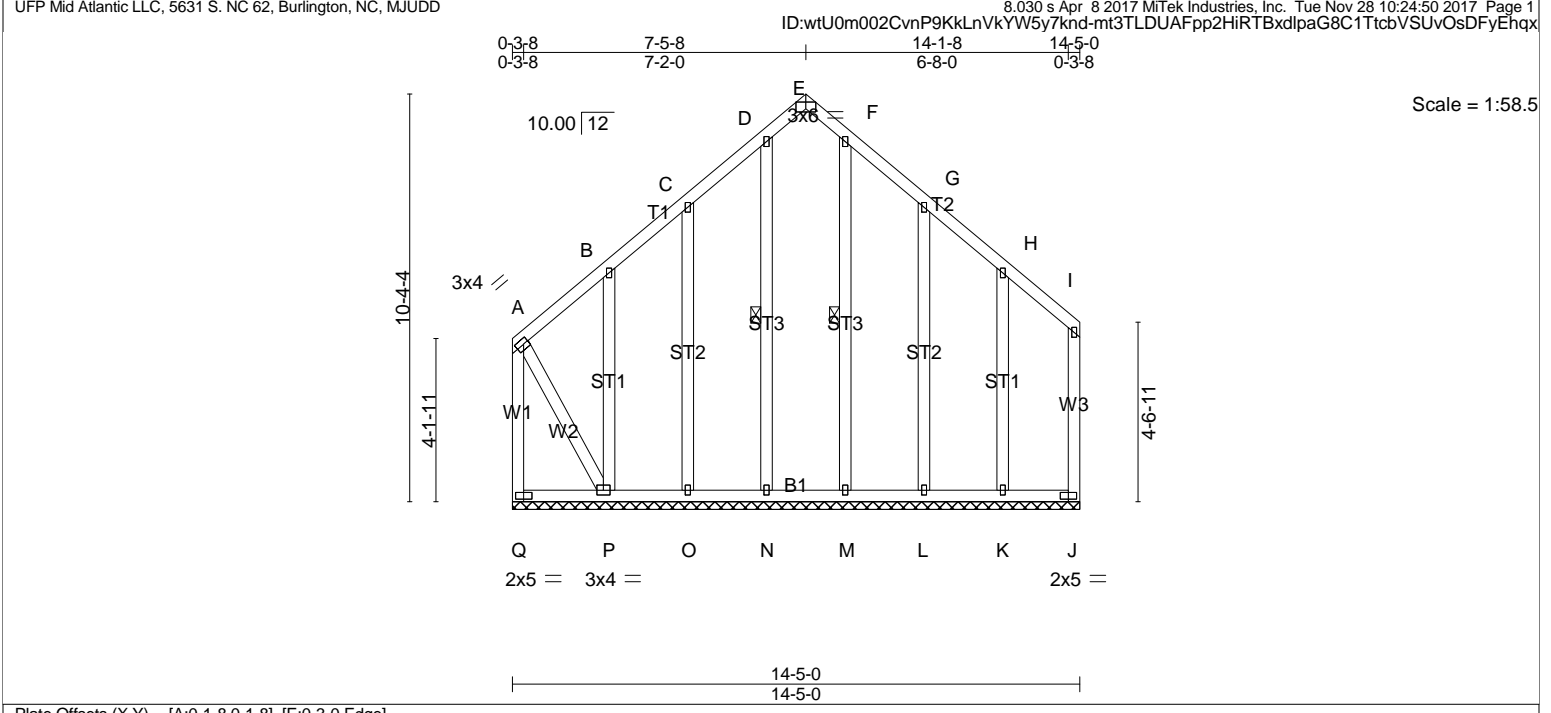
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Bearing at joint(s) E considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) D, E.
 - 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.





Scale = 1:58.5

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.		PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.18	in (loc) l/def L/d		MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.04	Vert(LL) n/a - n/a 999			
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.13	Vert(TL) n/a - n/a 999			
BCDL 10.0	Code IRC2009/TPI2007		Matrix-SH	Horz(TL) 0.00 J n/a n/a			
						Weight: 133 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. WEBS 1 Row at midpt D-N, F-M
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REACTIONS. All bearings 14-5-0.
(lb) - Max Horz Q=174(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) J, N, K except Q=374(LC 3), O=111(LC 5), P=335(LC 4), L=123(LC 6)
Max Grav All reactions 250 lb or less at joint(s) J, N, O, M, L, K except Q=414(LC 4), P=345(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-Q=401/385
WEBS A-P=313/336

- 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 ; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only.
 - 4) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 7) Gable studs spaced at 2-0-0 oc.
 - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 10) Bearing at joint(s) Q, J considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) J, N, K except (jt=lb) Q=374, O=111, P=335, L=123.
 - 12) 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



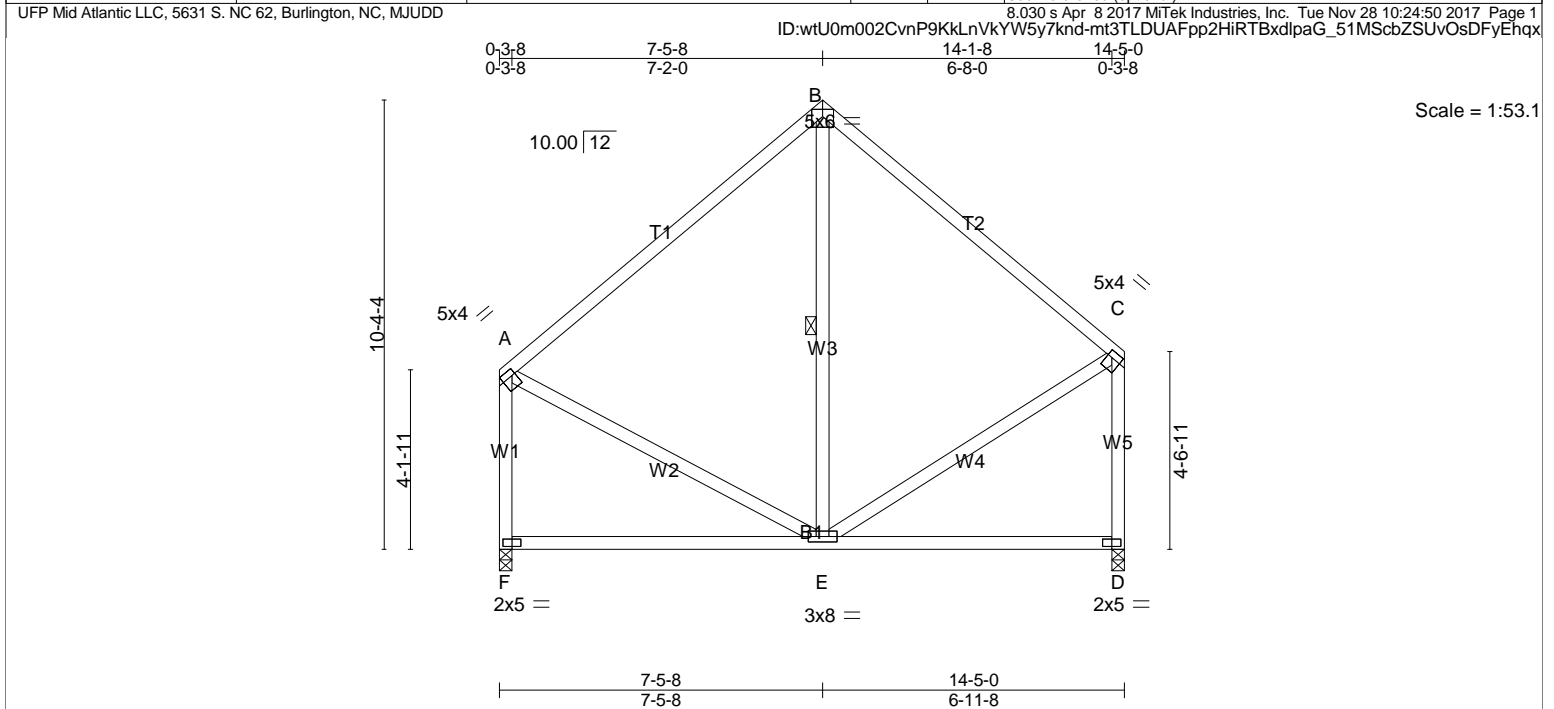


Plate Offsets (X,Y)-- [A:0-1-0,0-1-12], [C:0-1-4,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.83	in (loc) l/def L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.45	Vert(LL) -0.07 E-F >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.13	Vert(TL) -0.16 E-F >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MSH	Horz(TL) 0.00 D n/a n/a		
	Code IRC2009/TPI2007			Weight: 99 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
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 B-E

REACTIONS. (lb/size) F=565/0-3-8 (min. 0-1-8), D=565/0-3-8 (min. 0-1-8)
 Max Horz F=346(LC 4)
 Max Uplift F=69(LC 6), D=-76(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=-432/148, B-C=-419/152, A-F=-500/106, C-D=-507/109
 BOT CHORD E-F=-315/321

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TC DL=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) Bearing at joint(s) F, D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) F, D.
 - 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 67049701	Truss H3	Truss Type Roof Special	Qty 2	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD
 Job Reference (optional)
 8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:51 2017 Page 1
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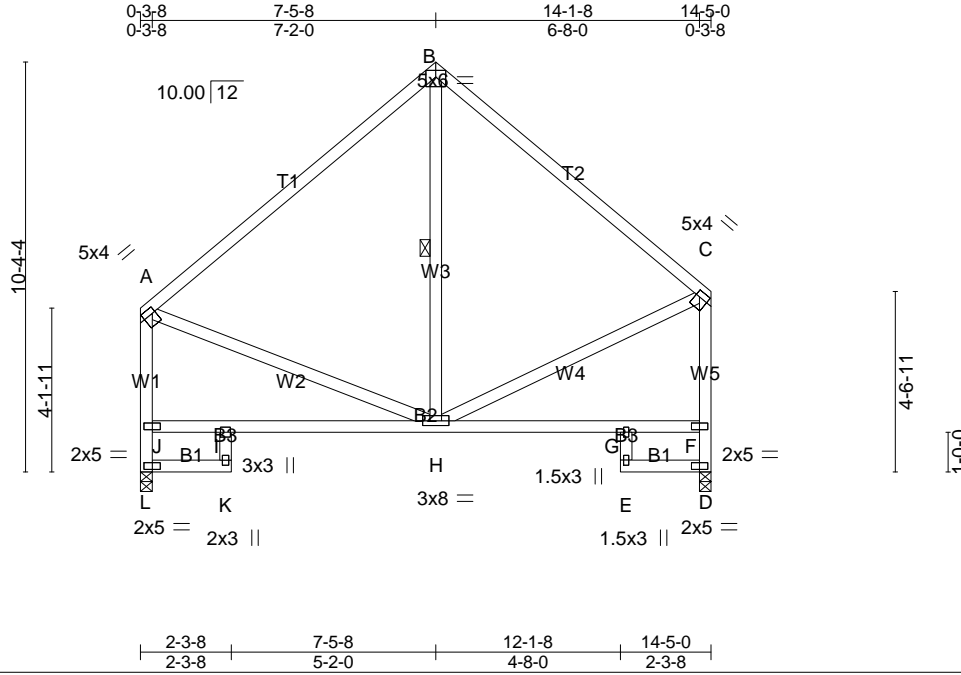


Plate Offsets (X,Y)-- [A:0-1-0,0-1-12], [C:0-1-4,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.81	in (loc) l/def L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.40	Vert(LL) -0.08 H-I >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.14	Vert(TL) -0.13 H-I >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MSH	Horz(TL) 0.07 D n/a n/a		
	Code IRC2009/TPI2007			Weight: 105 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* B3: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt B-H

REACTIONS. (lb/size) L=565/0-3-8 (min. 0-1-8), D=565/0-3-8 (min. 0-1-8)
 Max Horz L=346(LC 4)
 Max Uplift L=69(LC 6), D=76(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=462/129, B-C=450/146, J-L=531/77, A-J=490/101, D-F=534/91, C-F=498/111
 BOT CHORD H-I=358/377

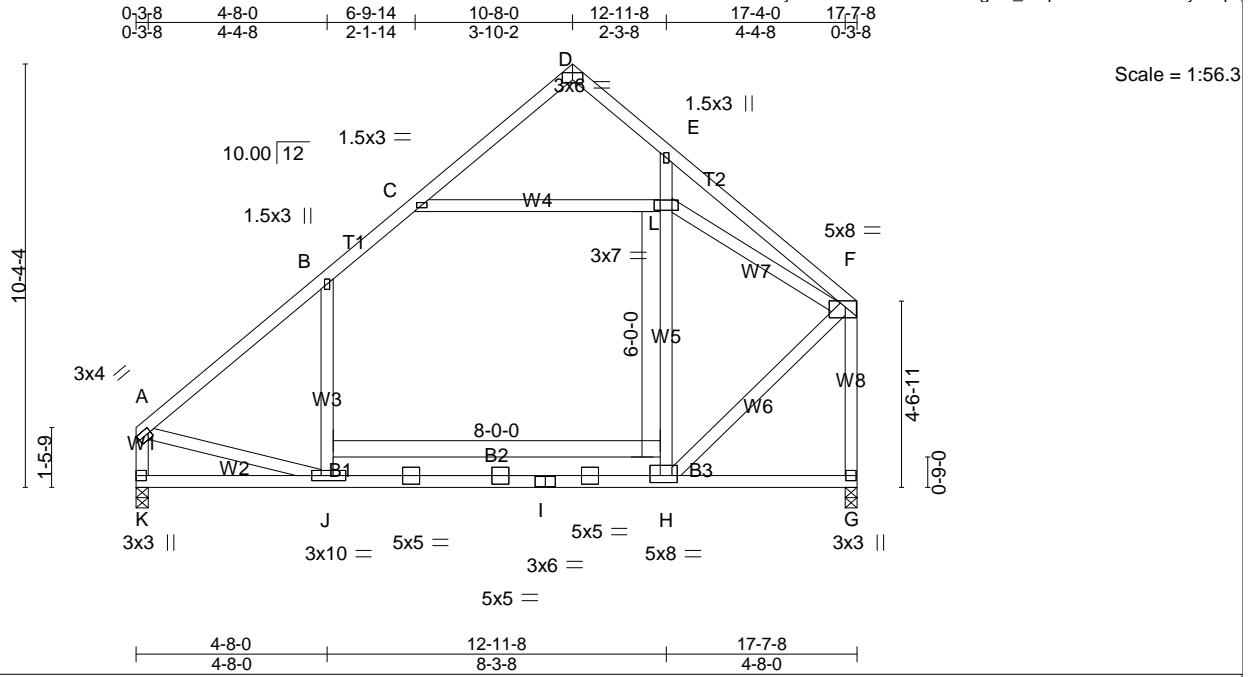
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip 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) Bearing at joint(s) L, D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) L, D.
 - 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



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





LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.70	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.88	Vert(LL) 0.28 J-K >752 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.33	Vert(TL) -0.44 J-K >472 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MSH	Horz(TL) 0.00 G n/a n/a		
	Code IRC2009/TPI2007		Attic -0.18 H-J 544 360	Weight: 138 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 B2: 2x6 SP No.2, B3: 2x4 SP No.1
 WEBS 2x4 SP No.3 *Except*
 W3,W4,W5: 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-6-1 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 4-10-14 oc bracing.

REACTIONS. (lb/size) K=901/0-3-8 (min. 0-1-8), G=901/0-3-8 (min. 0-1-8)
 Max Horz K=351(LC 4)
 Max UpliftK=45(LC 5), G=71(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=867/75, B-C=668/137, A-K=786/65, F-G=942/130
 BOT CHORD J-K=396/369, I-J=-106/568, H-I=-106/568
 WEBS C-L=-569/224, E-L=-371/210, A-J=-89/423, F-L=-633/248, F-H=-120/791

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TC DL=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). B-C, C-L
 - 6) Bottom chord live load (20.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. H-J
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) K, G.
 - 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



Job 67049701	Truss H5	Truss Type Roof Special	Qty 3	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD Job Reference (optional)
8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:52 2017 Page 1

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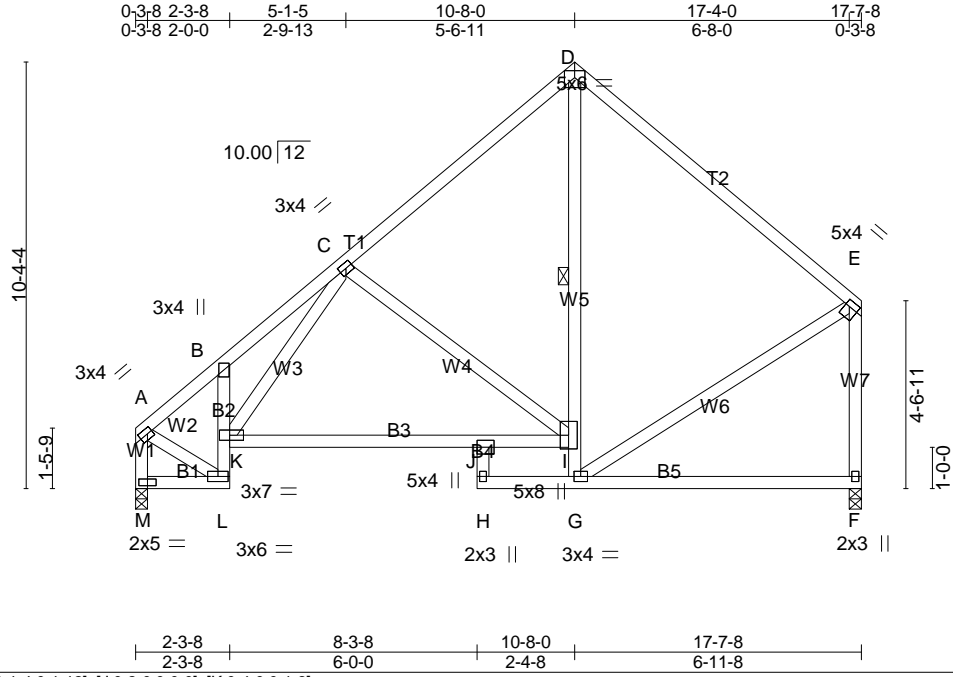


Plate Offsets (X,Y)-- [A:0-1-8,0-1-8], [E:0-1-4,0-1-12], [J:0-2-0,0-0-0], [K:0-4-0,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.73	in (loc) l/def L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.93	Vert(LL) -0.16 J-K >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.77	Vert(TL) -0.49 J-K >428 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MSH	Horz(TL) 0.22 F n/a n/a		
	Code IRC2009/TPI2007			Weight: 123 lb	FT = 20%

<p>LUMBER-</p> <p>TOP CHORD 2x4 SP No.2</p> <p>BOT CHORD 2x4 SP No.2 *Except*</p> <p style="margin-left: 20px;">B4: 2x4 SP No.3</p> <p>WEBS 2x4 SP No.3</p>	<p>BRACING-</p> <p>TOP CHORD Structural wood sheathing directly applied or 4-3-12 oc purlins, except end verticals.</p> <p>BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.</p> <p>WEBS 1 Row at midpt D-G</p>
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REACTIONS. (lb/size) F=693/0-3-8 (min. 0-1-8), M=693/0-3-8 (min. 0-1-8)

Max Horz M=351(LC 4)

Max Uplift F=96(LC 5), M=70(LC 5)

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

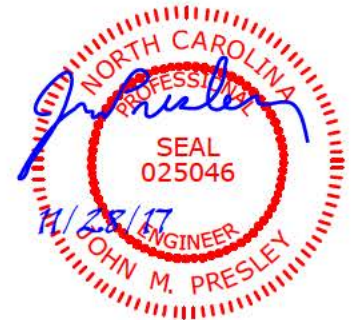
TOP CHORD A-B=639/95, B-C=882/201, C-D=535/169, D-E=540/168, A-M=742/100, E-F=646/127

BOT CHORD L-M=333/292, J-K=238/560, I-J=157/360

WEBS A-L=28/473, D-I=52/301, E-G=72/338, C-I=310/229, C-K=153/268

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 100mph; TC DL=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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) M considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) F, M.
 - 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 67049701	Truss H6	Truss Type Common	Qty 1	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)
8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:52 2017 Page 1
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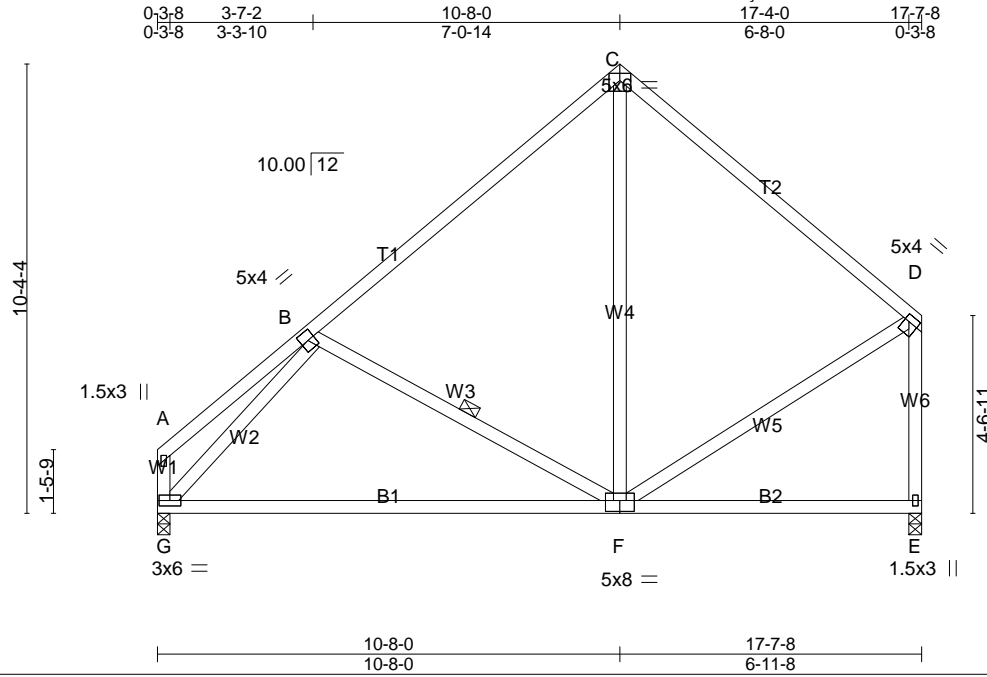


Plate Offsets (X,Y)-- [D:0-1-4,0-1-12], [F:0-4-0,0-3-0]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	CSI. TC 0.73 BC 0.90 WB 0.35 Matrix-MSH	DEFL. in (loc) l/def L/d Vert(LL) -0.30 F-G >696 240 Vert(TL) -0.75 F-G >276 180 Horz(TL) 0.01 E n/a n/a	PLATES MT20 GRIP 244/190 Weight: 114 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 4-9-13 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1 Row at midpt B-F
--	--

REACTIONS. (lb/size) G=693/0-3-8 (min. 0-1-8), E=693/0-3-8 (min. 0-1-8)
Max Horz G=351(LC 4)
Max Uplift G=-70(LC 5), E=-96(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-561/163, C-D=-542/164, D-E=-648/122
BOT CHORD F-G=-257/492
WEBS B-F=-222/259, C-F=-14/287, B-G=-647/193, D-F=-67/345

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TC DL=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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) G, E.
 - 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.



Job 67049701	Truss H7	Truss Type GABLE	Qty 1	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)
8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:53 2017 Page 1

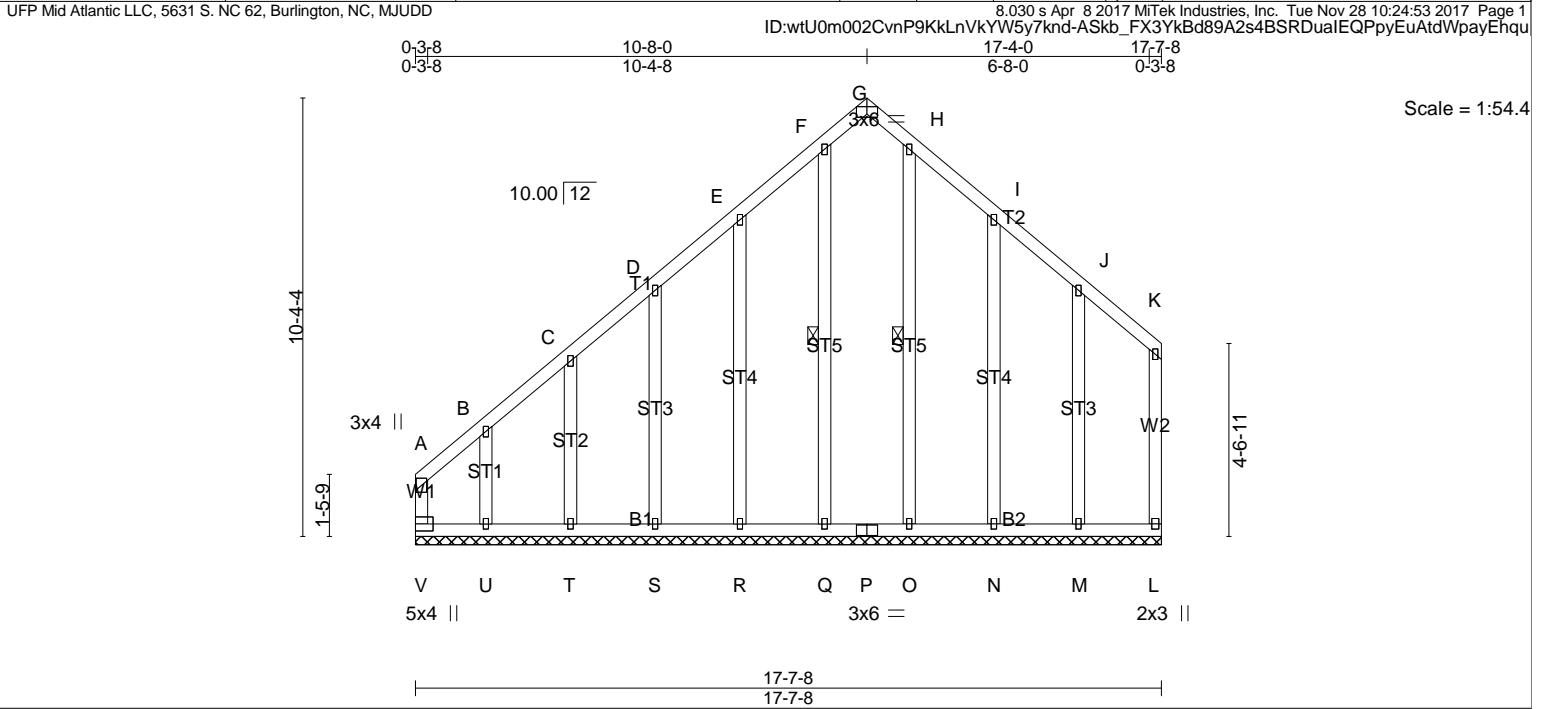


Plate Offsets (X,Y)-- [G:0-3-0,Edge]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL 2-0-0 Lumber DOL 1.15 Rep Stress Incr 1.15 Code IRC2009/TPI2007 YES	CSI. TC 0.51 BC 0.31 WB 0.13 Matrix-R	DEFL. in (loc) l/def L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 L n/a n/a	PLATES MT20 Weight: 143 lb	GRIP 244/190 FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 OTHERS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1 Row at midpt F-Q, H-O
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REACTIONS. All bearings 17-7-8.
(lb) - Max Horz V=351(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) L, Q, S, T, M except V=380(LC 3), R=121(LC 5), U=369(LC 4), N=130(LC 6)
Max Grav All reactions 250 lb or less at joint(s) L, Q, R, S, T, O, N, M except V=496(LC 4), U=317(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-V=-333/265, A-B=-419/343, B-C=-274/261, C-D=-234/268, D-E=-175/253, E-F=-125/307, H-I=-65/282

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 100mph; TCCL=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) Truss designed for wind loads in the plane of the truss only.
 - 4) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 7) Gable studs spaced at 2-0-0 oc.
 - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) L, Q, S, T, M except (jt=lb) V=380, R=121, U=369, N=130.
 - 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.

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.

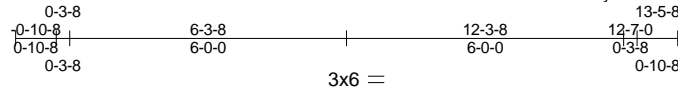


Job 67049701	Truss K1	Truss Type Common Supported Gable	Qty 1	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MJUDD

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Scale = 1:49.9

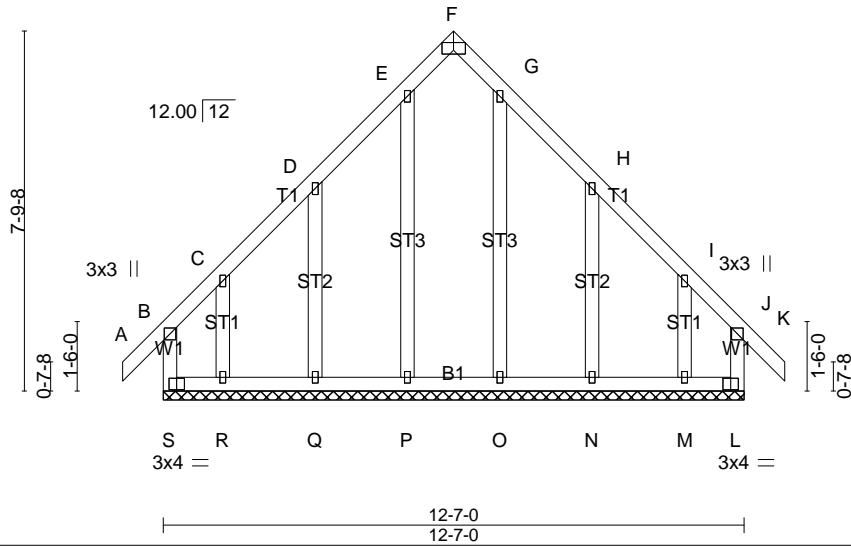


Plate Offsets (X,Y)-- [F:0-3-0,Edge]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	CSI. TC 0.25 BC 0.15 WB 0.09 Matrix-R	DEFL. in (loc) l/def L/d Vert(LL) -0.00 K n/r 120 Vert(TL) -0.01 K n/r 90 Horz(TL) 0.00 L n/a n/a	PLATES MT20 GRIP 244/190 Weight: 91 lb FT = 20%
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LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 12-7-0.
(lb) - Max Horz S=235(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) except S=-185(LC 3), L=-170(LC 4), Q=-137(LC 5), R=-229(LC 4), N=-138(LC 6), M=-221(LC 6)
Max Grav All reactions 250 lb or less at joint(s) L, P, Q, R, O, N, M except S=253(LC 4)

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

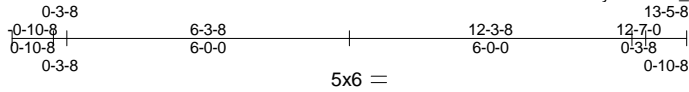
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) S, L considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 185 lb uplift at joint S, 170 lb uplift at joint L, 137 lb uplift at joint Q, 229 lb uplift at joint R, 138 lb uplift at joint N and 221 lb uplift at joint M.
 - 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

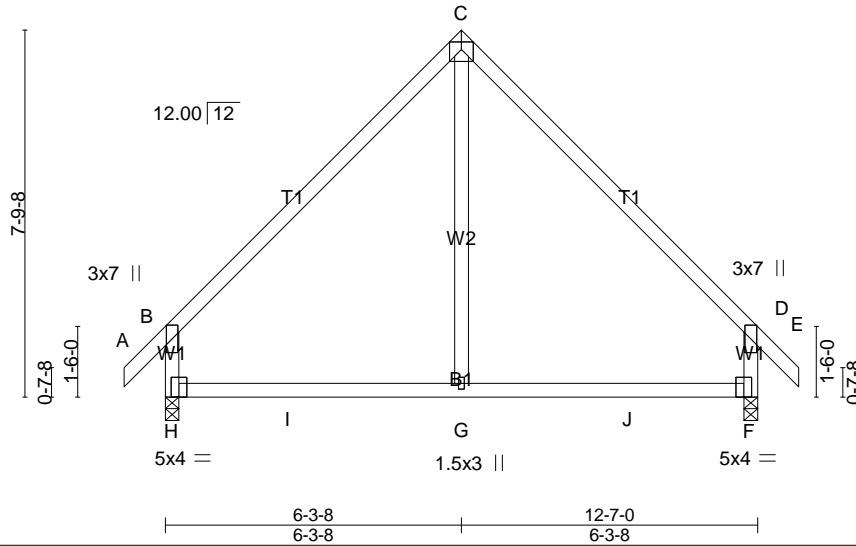


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design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





Scale = 1:48.9



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.95	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.41	Vert(LL) -0.08 G-H >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.13	Vert(TL) -0.13 G-H >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR	Horz(TL) 0.01 F n/a n/a		
	Code IRC2009/TPI2007			Weight: 63 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) H=696/0-3-8 (min. 0-1-8), F=696/0-3-8 (min. 0-1-8)
Max Horz H=235(LC 3)
Max Uplift H=85(LC 5), F=85(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-592/134, C-D=-592/134, B-H=-589/153, D-F=-589/153
BOT CHORD H-I=-41/309, G-I=-41/309, G-J=-41/309, F-J=-41/309
WEBS C-G=0/324

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 100mph; TC DL=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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) H, F considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint H and 85 lb uplift at joint 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



Job 67049701	Truss K3	Truss Type Roof Special	Qty 4	Ply 1	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)
8,030 s Apr 8 2017 MiTek Industries, Inc. Tue Nov 28 10:24:55 2017 Page 1
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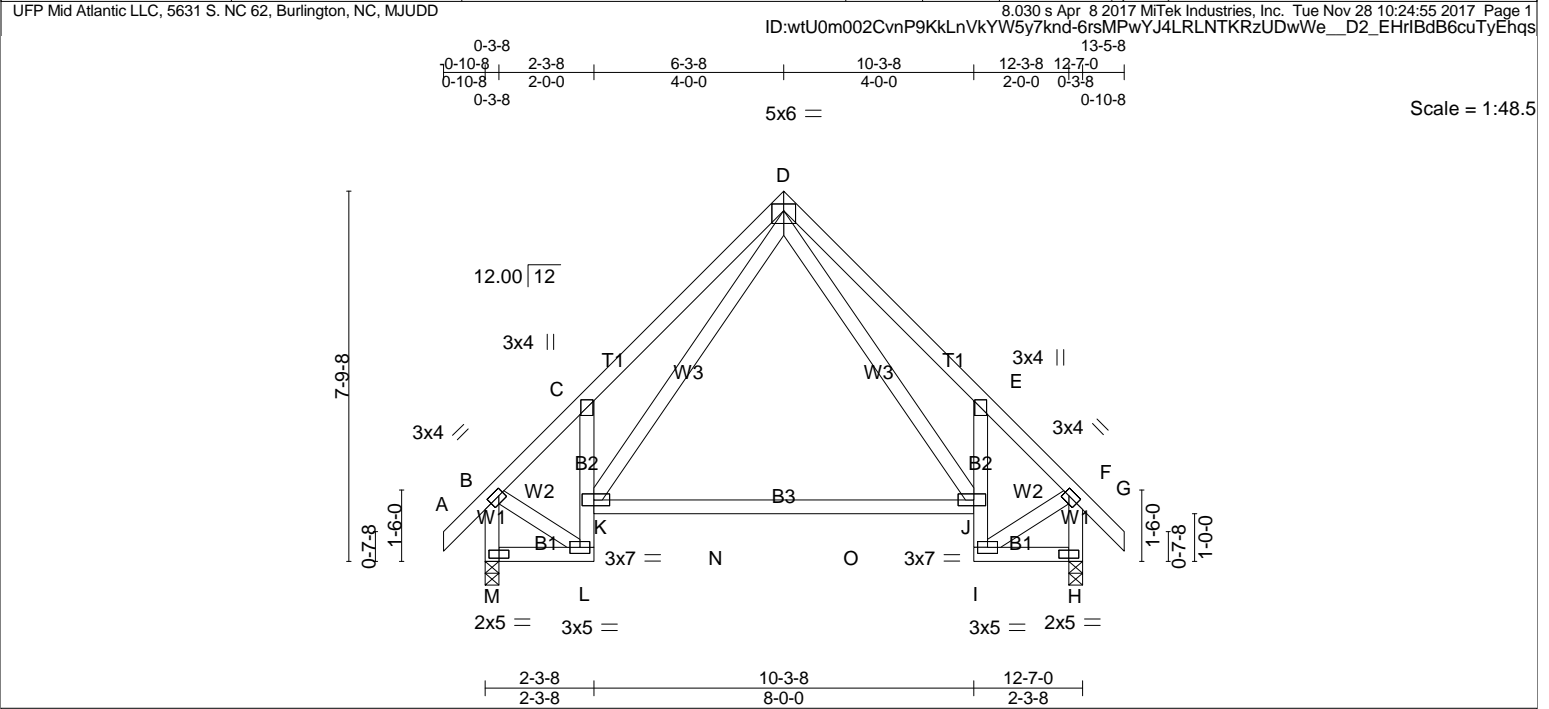


Plate Offsets (X,Y)-- [B:0-1-4,0-1-8], [D:0-3-0,0-1-12], [F:0-1-4,0-1-8], [J:0-4-0,0-1-8], [K:0-4-0,0-1-8]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2009/TPI2007	CSI. TC 0.23 BC 0.80 WB 0.22 Matrix-MSH	DEFL. in (loc) l/defl L/d Vert(LL) -0.21 J-K >705 240 Vert(TL) -0.49 J-K >302 180 Horz(TL) 0.15 H n/a n/a	PLATES MT20 GRIP 244/190 Weight: 90 lb FT = 20%
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LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
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REACTIONS. (lb/size) M=610/0-3-8 (min. 0-1-8), H=610/0-3-8 (min. 0-1-8)
Max Horz M=235(LC 3)
Max Uplift M=85(LC 5), H=85(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-491/85, C-D=-755/285, D-E=-755/228, E-F=-491/84, B-M=-648/103, F-H=-648/84
BOT CHORD C-K=-308/229, E-J=-308/208
WEBS D-J=-168/429, D-K=-216/429, B-L=-14/346, F-I=-17/346

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 100mph; TCCL=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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) M, H considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint M and 85 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.

LOAD CASE(S) Standard

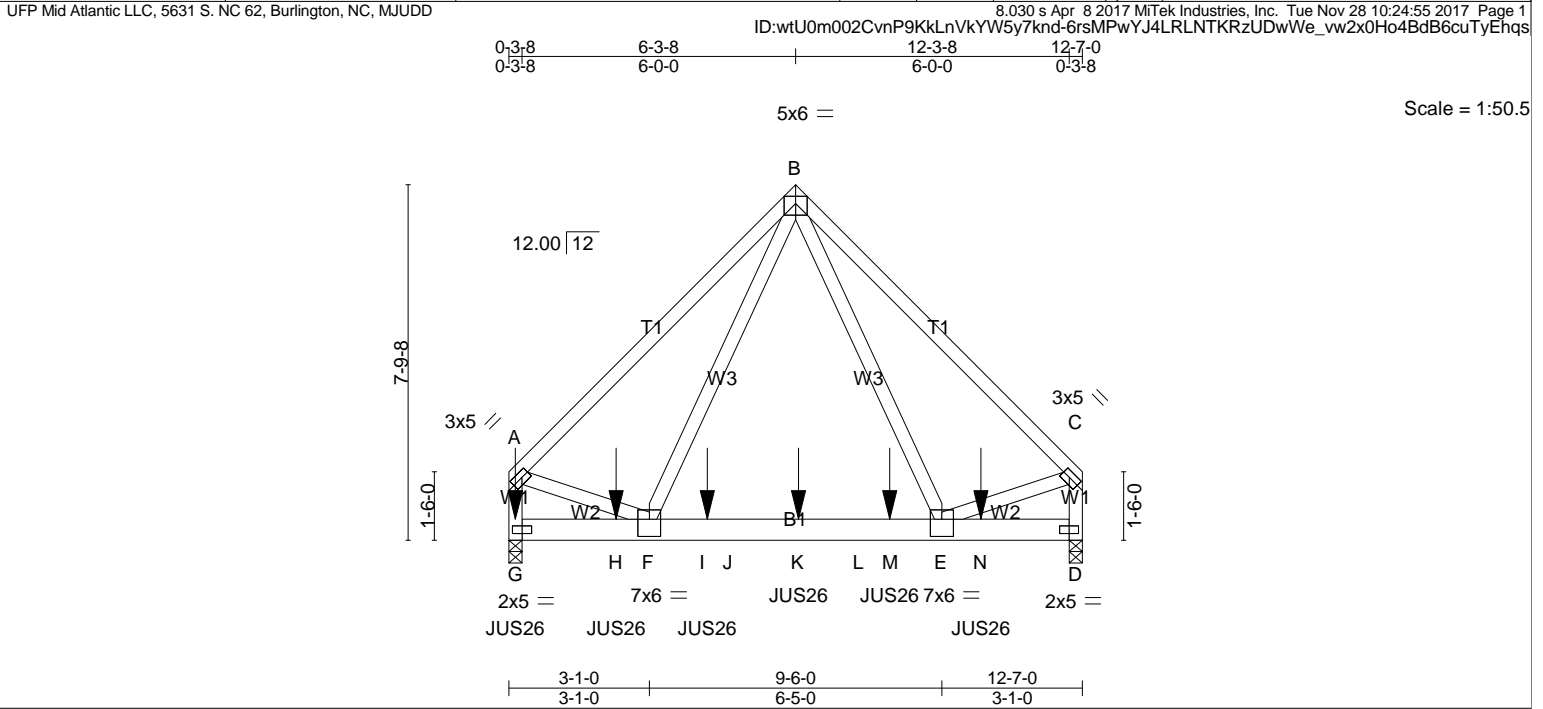


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design 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 67049701	Truss K4	Truss Type Common Girder	Qty 1	Ply 2	MCKEE/ WINSTON CRAFTSMAN PORCH
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Job Reference (optional)
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Scale = 1:50.5

Plate Offsets (X,Y)-- [A:0-2-0,0-1-8], [C:0-2-0,0-1-8], [E:0-3-0,0-4-8], [F:0-3-0,0-4-8]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IRC2009/TPI2007	CSI. TC 0.57 BC 1.00 WB 0.43 Matrix-MSH	DEFL. in (loc) l/defl L/d Vert(LL) -0.10 E-F >999 240 Vert(TL) -0.20 E-F >738 180 Horz(TL) 0.01 D n/a n/a	PLATES MT20 GRIP 244/190 Weight: 182 lb FT = 20%
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LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) G=3616/0-3-8 (min. 0-1-8), D=2773/0-3-8 (min. 0-1-8)
Max Horz G=-227(LC 11)
Max Uplift G=-252(LC 6), D=-203(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2912/263, B-C=-2927/264, A-G=-2929/215, C-D=-2941/216
BOT CHORD G-H=-294/261, F-H=-294/261, F-I=-118/1196, I-J=-118/1196, J-K=-118/1196, K-L=-118/1196, L-M=-118/1196, E-M=-118/1196
WEBS B-E=-143/1984, B-F=-141/1959, A-F=-175/2074, C-E=-178/2079

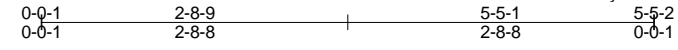
- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 100mph; TCCL=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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) G, D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 252 lb uplift at joint G and 203 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.
 - Use USP JUS26 (With 10d nails into Girder & 10d nails into Truss) or equivalent spaced at 2-2-8 oc max. starting at 0-1-12 from the left end to 10-4-4 to connect truss(es) H4 (1 ply 2x4 SP) to front face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced) + Uninhab. Attic Storage + Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-B=-60, B-C=-60, G-J=-20, J-L=-60, D-L=-20
Concentrated Loads (lb)
Vert: G=-889(F) H=-881(F) I=-881(F) K=-881(F) M=-881(F) N=-881(F)



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





3x4 =

Scale = 1:20.4

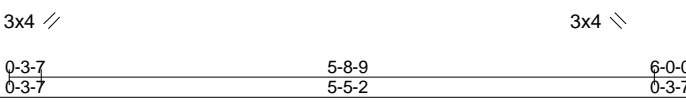
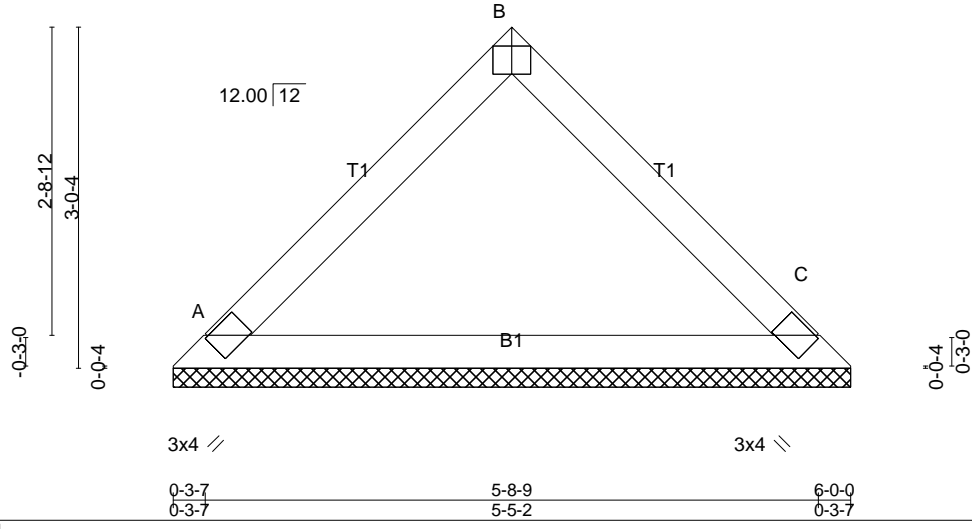


Plate Offsets (X,Y)-- [B:0-2-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	in (loc) l/def L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.36	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(TL) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(TL) 0.00 C n/a n/a		
	Code IRC2009/TPI2007			Weight: 20 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=214/6-0-0 (min. 0-1-8), C=214/6-0-0 (min. 0-1-8)
Max Horz A=77(LC 4)
Max Uplift A=-22(LC 5), C=-22(LC 6)

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

- NOTES-** (7)
- 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) 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.



