

Job 67049702	Truss FG1	Truss Type Floor Girder	Qty 1	Ply 1	MCKEE- WINSTON CRAFTSMAN PORCH
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Trey Daniel

Job Reference (optional)

8.030 s Apr 8 2017 MiTek Industries, Inc. Wed Nov 29 10:08:14 2017 Page 1  
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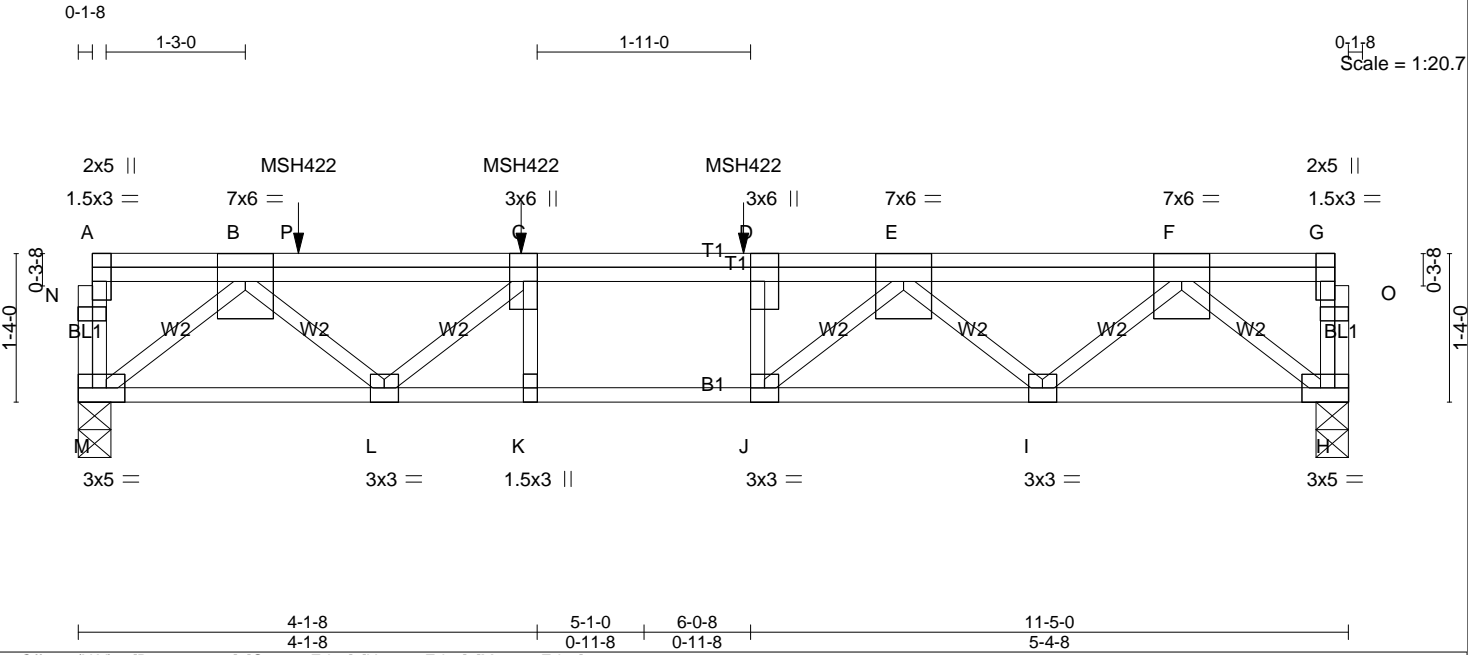


Plate Offsets (X,Y)-- [D:0-3-0,0-0-0], [G:0-3-0,Edge], [H:0-2-0,Edge], [M:0-2-0,Edge]

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	1-7-3	TC 0.18	in (loc) l/defl L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.58	Vert(LL) -0.05 J >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.31	Vert(TL) -0.09 I-J >999 360		
BCDL 5.0	Rep Stress Incr NO	Matrix-SH	Horz(TL) 0.03 H n/a n/a		
	Code IRC2009/TP12007			Weight: 75 lb	FT = 4%F, 1%E

**LUMBER-**  
TOP CHORD 2x4 SP No.2(flat)  
BOT CHORD 2x4 SP No.2(flat)  
WEBS 2x4 SP No.3(flat)

**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) M=778/0-3-8 (min. 0-1-8), H=684/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD M-N=-32/0, A-N=-32/0, H-O=-41/0, G-O=-41/0, A-B=-2/0, B-P=-1371/0, C-P=-1371/0, C-D=-1864/0, D-E=-1864/0, E-F=-1233/0, F-G=-2/0  
BOT CHORD L-M=0/885, K-L=0/1864, J-K=0/1864, I-J=0/1672, H-I=0/765  
WEBS B-M=-1149/0, B-L=0/659, C-L=-662/0, C-K=-2/31, F-H=-993/0, F-I=0/635, E-I=-596/0, E-J=0/445, D-J=-267/0

**NOTES-**  
1) Unbalanced floor live loads have been considered for this design.  
2) 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.  
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.  
4) Use USP MSH422 (With 10d nails into Girder & 10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-11-12 from the left end to 5-11-12 to connect truss(es) FT8 (1 ply 2x4 SP) to front face of top chord.  
5) Fill all nail holes where hanger is in contact with lumber.  
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard  
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00  
Uniform Loads (plf)  
Vert: H-M=-8, A-G=-96  
Concentrated Loads (lb)  
Vert: C=-104(F) D=-104(F) P=-104(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.



Job 67049702	Truss FG2	Truss Type Floor Girder	Qty 1	Ply 1	MCKEE- WINSTON CRAFTSMAN PORCH
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Trey Daniel  
 8.030 s Apr 8 2017 MiTek Industries, Inc. Wed Nov 29 10:08:14 2017 Page 1  
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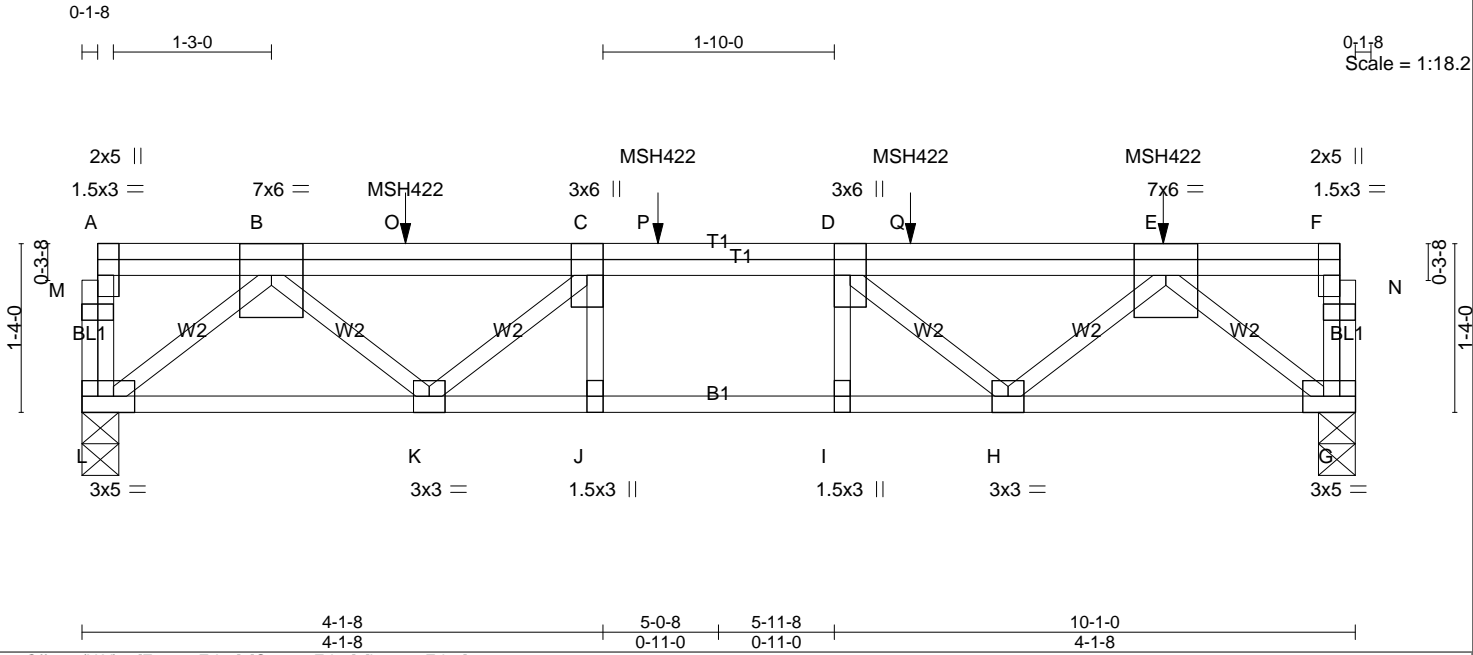


Plate Offsets (X,Y)-- [F:0-3-0,Edge], [G:0-2-0,Edge], [L:0-2-0,Edge]

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	1-7-3	TC 0.24	in (loc) l/defl L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.53	Vert(LL) -0.03 I >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.28	Vert(TL) -0.06 I-J >999 360		
BCDL 5.0	Rep Stress Incr NO	Matrix-SH	Horz(TL) 0.02 G n/a n/a		
	Code IRC2009/TP12007			Weight: 67 lb	FT = 4%F, 1%E

**LUMBER-**  
 TOP CHORD 2x4 SP No.2(flat)  
 BOT CHORD 2x4 SP No.2(flat)  
 WEBS 2x4 SP No.3(flat)

**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) L=725/0-3-8 (min. 0-1-8), G=778/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD L-M=-17/9, A-M=-17/9, G-N=-31/0, F-N=-31/0, A-B=-1/0, B-O=-1270/0, C-O=-1270/0, C-P=-1699/0, D-P=-1699/0, D-Q=-1295/0, E-Q=-1295/0, E-F=-2/0  
 BOT CHORD K-L=0/840, J-K=0/1699, I-J=0/1699, H-I=0/1699, G-H=0/887  
 WEBS B-L=-1092/0, B-K=0/591, C-K=-587/0, C-J=-4/26, E-G=-1153/0, E-H=0/554, D-H=-544/0, D-I=-8/21

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) 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.
  - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - 4) Use USP MSH422 (With 10d nails into Girder & 10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-6-12 from the left end to 8-6-12 to connect truss(es) FT7 (1 ply 2x4 SP) to front face of top chord.
  - 5) Fill all nail holes where hanger is in contact with lumber.
  - 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard  
 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00  
 Uniform Loads (plf)  
 Vert: G-L=-8, A-F=-96  
 Concentrated Loads (lb)  
 Vert: E=-123(F) O=-123(F) P=-123(F) Q=-123(F)



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



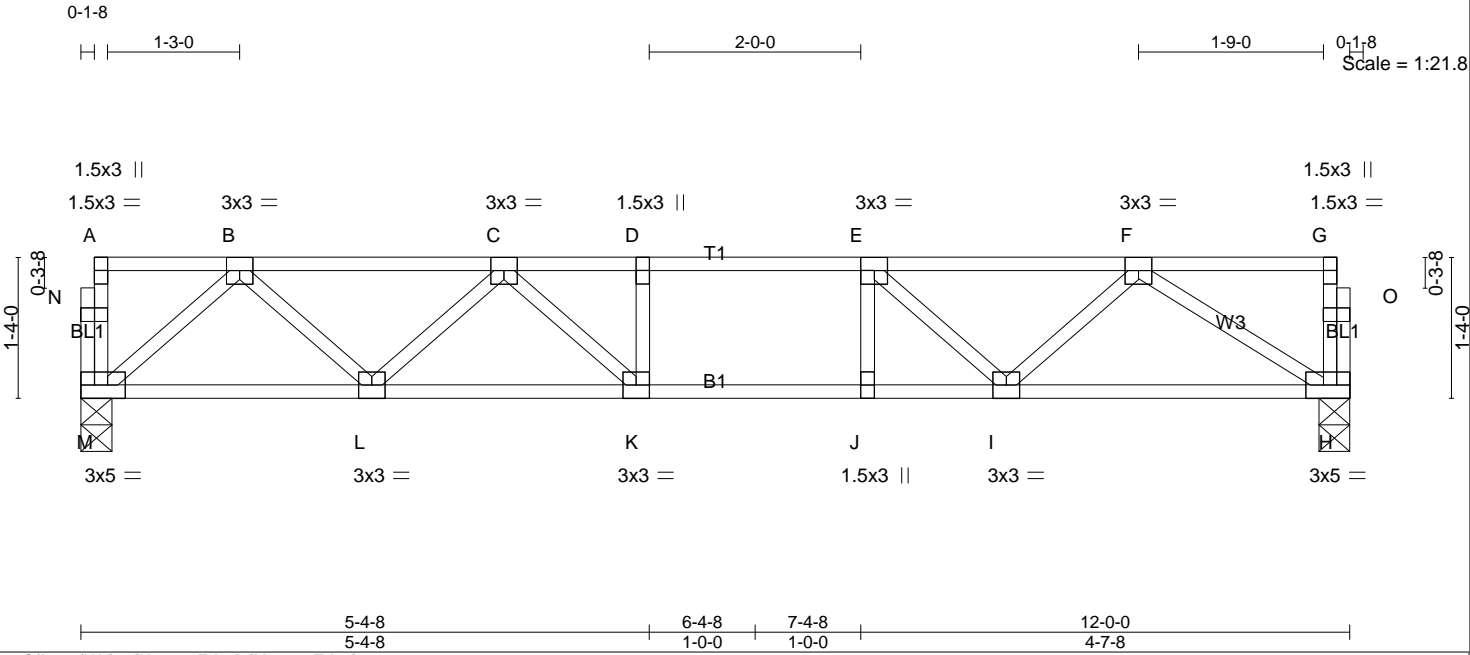


Plate Offsets (X,Y)-- [H:0-2-0,Edge], [M:0-2-0,Edge]

<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	Plate Grip DOL 1.00	TC 0.48	Vert(LL) -0.10 K-L >999 480	MT20	244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.80	Vert(TL) -0.17 K-L >854 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.30	Horz(TL) 0.03 H n/a n/a		
BCDL 5.0	Code IRC2009/TPI2007	Matrix-SH			
				Weight: 62 lb	FT = 4%F, 1%E

**LUMBER-**  
 TOP CHORD 2x4 SP No.2(flat)  
 BOT CHORD 2x4 SP No.2(flat)  
 WEBS 2x4 SP No.3(flat)

**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) M=756/0-3-8 (min. 0-1-8), H=756/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD M-N=-42/0, A-N=-42/0, H-O=-81/0, G-O=-81/0, A-B=-2/0, B-C=-1257/0, C-D=-1819/0, D-E=-1819/0, E-F=-1422/0, F-G=-4/0  
 BOT CHORD L-M=0/805, K-L=0/1672, J-K=0/1819, I-J=0/1819, H-I=0/1029  
 WEBS D-K=-203/0, E-J=-51/123, B-M=-1069/0, B-L=0/630, C-L=-576/0, C-K=0/399, E-I=-589/0, F-I=0/545, F-H=-1220/0

**NOTES-**  
 1) Unbalanced floor live loads have been considered for this design.  
 2) 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.  
 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

**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 67049702	Truss FT2	Truss Type Floor	Qty 2	Ply 1	MCKEE- WINSTON CRAFTSMAN PORCH
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Trey Daniel  
 8.030 s Apr 8 2017 MiTek Industries, Inc. Wed Nov 29 10:08:17 2017 Page 1  
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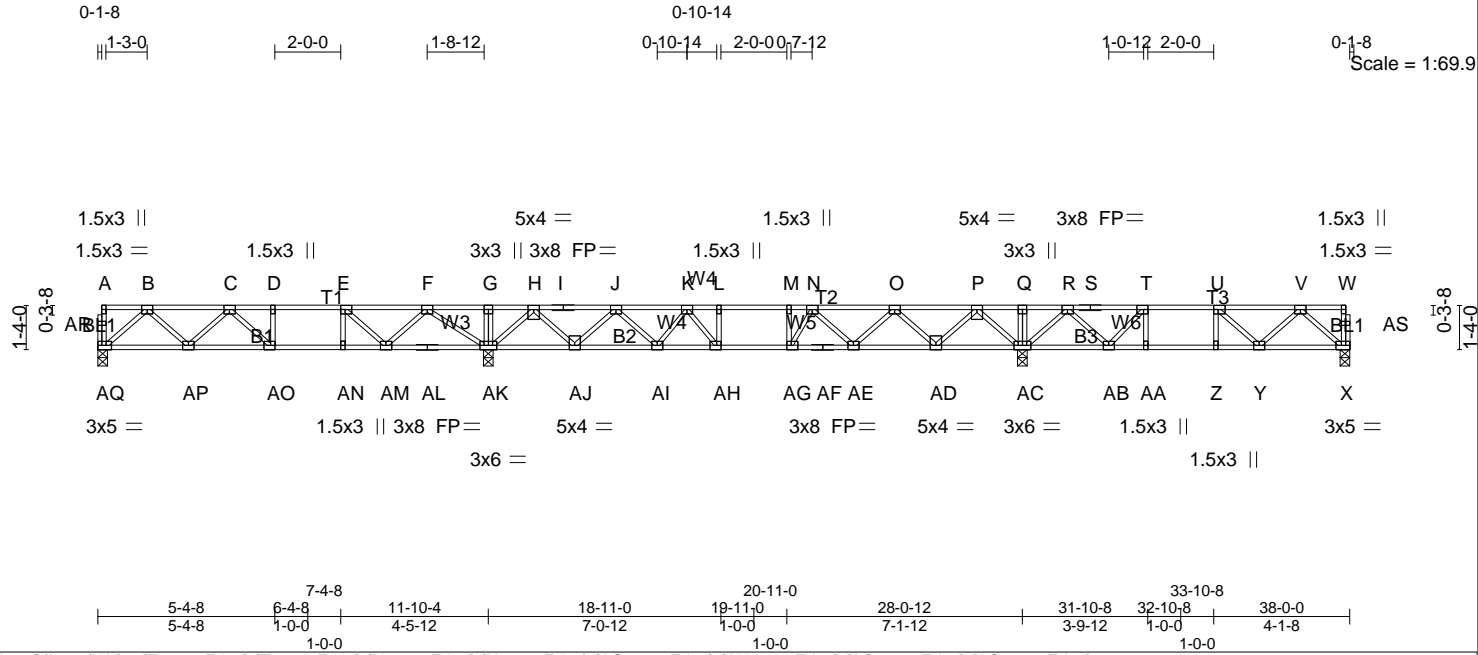


Plate Offsets (X,Y)-- [E:0-1-8,Edge], [T:0-1-8,Edge], [U:0-1-8,Edge], [X:0-2-0,Edge], [AG:0-1-8,Edge], [AH:0-1-8,Edge], [AO:0-1-8,Edge], [AQ:0-2-0,Edge]

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	2-0-0	TC 0.93	in (loc) l/defl L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.85	Vert(LL) -0.12 AO-AP >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.52	Vert(TL) -0.22 AO-AP >632 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(TL) 0.05 X n/a n/a		
	Code IRC2009/TP12007				Weight: 195 lb FT = 4%F, 1%E

**LUMBER-**  
 TOP CHORD 2x4 SP No.2(flat)  
 BOT CHORD 2x4 SP No.1(flat)  
 WEBS 2x4 SP No.3(flat)

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS.** (lb/size) AQ=599/0-3-8 (min. 0-1-8), AK=1987/0-3-8 (min. 0-1-8), AC=1837/0-3-8 (min. 0-1-8), X=470/0-3-8 (min. 0-1-8)  
 Max GravAQ=672(LC 4), AK=2007(LC 11), AC=1863(LC 6), X=554(LC 4)

**FORCES.** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD AQ-AR=-45/0, A-AR=-45/0, X-AS=-30/2, W-AS=-30/2, A-B=-2/0, B-C=-1086/0, C-D=-1385/0, D-E=-1385/0, E-F=-819/394, F-G=0/1604, G-H=0/1602, H-I=679/38, I-J=679/38, J-K=-1806/0, K-L=-2265/0, L-M=-2265/0, M-N=-2265/0, N-O=-1831/0, O-P=-761/0, P-Q=0/1439, Q-R=0/1439, R-S=-532/478, S-T=-532/478, T-U=-961/109, U-V=-813/0, V-W=-2/0  
 BOT CHORD AP-AQ=0/711, AO-AP=0/1396, AN-AO=0/1385, AM-AN=0/1385, AL-AM=-716/328, AK-AL=-716/328, AJ-AK=-473/0, AI-AJ=0/1400, AH-AI=0/2082, AG-AH=0/2265, AF-AG=0/2178, AE-AF=0/2178, AD-AE=0/1462, AC-AD=-341/44, AB-AC=-788/111, AA-AB=-109/961, Z-AA=-109/961, Y-Z=-109/961, X-Y=0/589  
 WEBS D-AO=-55/86, E-AN=0/269, L-AH=-309/0, M-AG=-281/3, T-AA=0/296, U-Z=-241/0, G-AK=-195/0, Q-AC=-153/0, B-AQ=-944/0, B-AP=0/521, C-AP=-432/18, C-AO=-295/0, E-AM=-965/0, F-AM=0/809, F-AK=-1413/0, H-AK=-1504/0, H-AJ=0/1093, J-AJ=-1065/0, J-AI=0/621, K-AI=-527/0, K-AH=0/519, P-AC=-1476/0, P-AD=0/1062, O-AD=-1036/0, O-AE=0/571, N-AE=-540/0, N-AG=-69/405, R-AC=-1042/0, R-AB=0/730, T-AB=-854/0, V-X=-781/0, V-Y=-61/312, U-Y=-202/234

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are 3x4 MT20 unless otherwise indicated.
  - 3) 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.
  - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - 5) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard



Job 67049702	Truss FT3	Truss Type Floor	Qty 3	Ply 1	MCKEE- WINSTON CRAFTSMAN PORCH
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Trey Daniel

Job Reference (optional)

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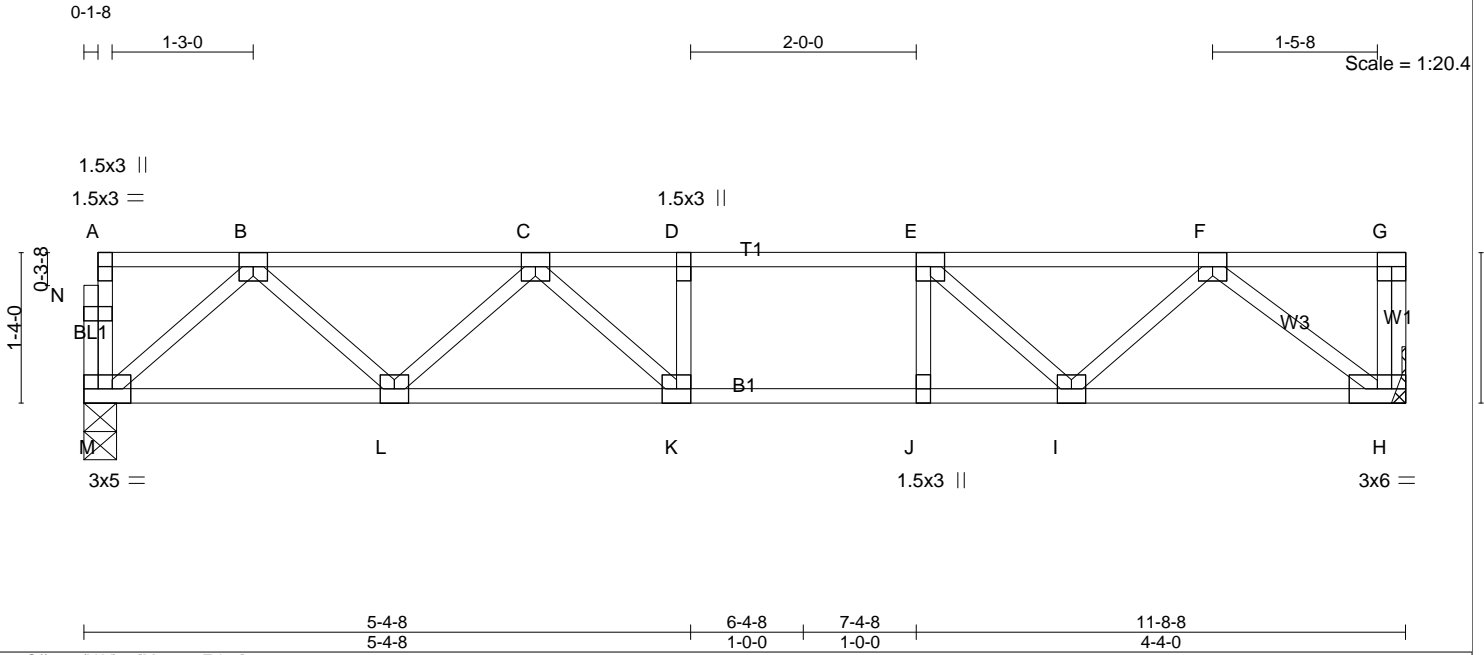


Plate Offsets (X,Y)-- [M:0-2-0,Edge]

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	2-0-0	TC 0.51	in (loc) l/defl L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.83	Vert(LL) -0.11 K-L >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.29	Vert(TL) -0.17 K-L >806 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(TL) 0.03 H n/a n/a		
	Code IRC2009/TPI2007			Weight: 62 lb	FT = 4%F, 1%E

**LUMBER-**  
TOP CHORD 2x4 SP No.2(flat)  
BOT CHORD 2x4 SP No.2(flat)  
WEBS 2x4 SP No.3(flat)

**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) M=737/0-3-8 (min. 0-1-8), H=745/Mechanical

**FORCES.** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD M-N=-43/0, A-N=-42/0, G-H=-67/0, A-B=-2/0, B-C=-1219/0, C-D=-1722/0, D-E=-1722/0, E-F=-1285/0, F-G=0/0  
BOT CHORD L-M=0/784, K-L=0/1610, J-K=0/1722, I-J=0/1722, H-I=0/870  
WEBS D-K=-186/0, E-J=-34/137, B-M=-1041/0, B-L=0/605, C-L=-545/0, C-K=-11/357, E-I=-623/0, F-I=0/578, F-H=-1094/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are 3x3 MT20 unless otherwise indicated.
  - 3) 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.
  - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - 5) CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard

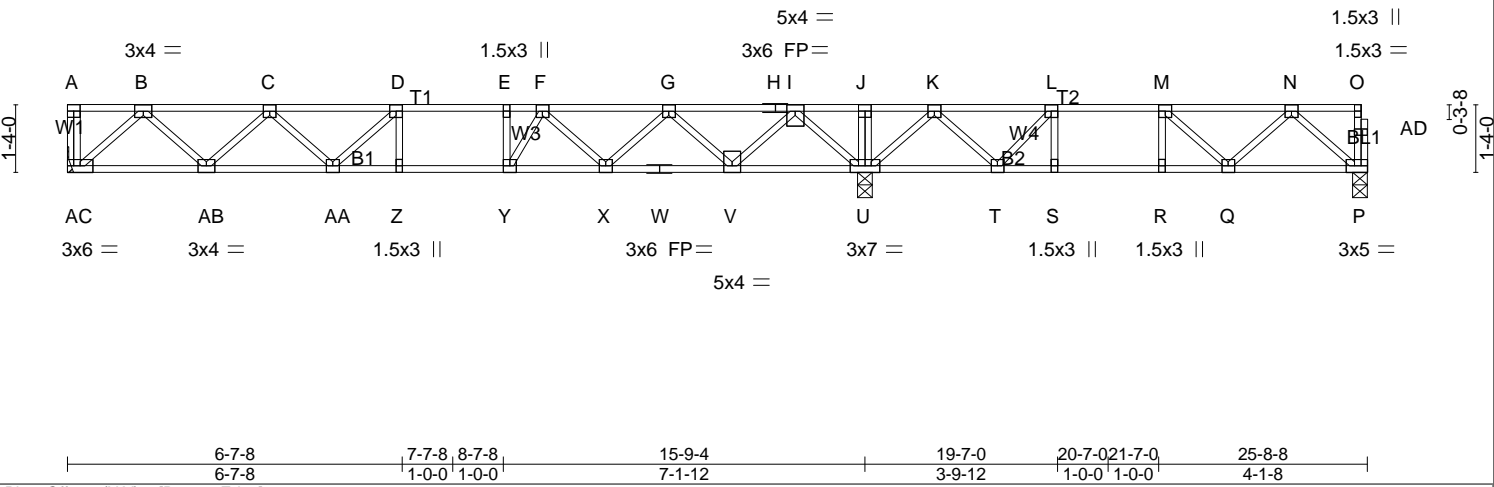


This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design 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 67049702	Truss FT4	Truss Type Floor	Qty 5	Ply 1	MCKEE- WINSTON CRAFTSMAN PORCH
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Trey Daniel  
 8.030 s Apr 8 2017 MiTek Industries, Inc. Wed Nov 29 10:08:18 2017 Page 1  
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<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	Plate Grip DOL 1.00	TC 0.75	Vert(LL) -0.14 Z-AA >999 480	MT20	244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.83	Vert(TL) -0.26 Z-AA >728 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.55	Horz(TL) 0.05 P n/a n/a		
BCDL 5.0	Code IRC2009/TPI2007	Matrix-SH			Weight: 133 lb FT = 4%F, 1%E

**LUMBER-**  
 TOP CHORD 2x4 SP No.2(flat)  
 BOT CHORD 2x4 SP No.1(flat)  
 WEBS 2x4 SP No.3(flat)

**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) AC=918/Mechanical, U=1910/0-3-8 (min. 0-1-8), P=473/0-3-8 (min. 0-1-8)  
 Max GravAC=938(LC 7), U=1910(LC 1), P=554(LC 3)

**FORCES.** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD A-AC=-54/0, P-AD=-30/2, O-AD=-30/2, A-B=0/0, B-C=-1637/0, C-D=-2527/0, D-E=-2763/0, E-F=-2763/0, F-G=-2170/0, G-H=-954/0, H-I=-954/0, I-J=0/1411, J-K=0/1411, K-L=-533/452, L-M=-961/91, M-N=-813/0, N-O=-2/0  
 BOT CHORD AB-AC=0/995, AA-AB=0/2253, Z-AA=0/2763, Y-Z=0/2763, X-Y=0/2608, W-X=0/1730, V-W=0/1730, U-V=-225/156, T-U=-756/111, S-T=-91/961, R-S=-91/961, Q-R=-91/961, P-Q=0/589  
 WEBS D-Z=-151/66, E-Y=-370/0, L-S=0/292, M-R=-237/0, J-U=-153/0, B-AC=-1324/0, B-AB=0/893, C-AB=-856/0, C-AA=0/396, D-AA=-421/0, I-U=-1578/0, I-V=0/1159, G-V=-1122/0, G-X=0/654, F-X=-669/0, F-Y=0/608, K-U=-1037/0, K-T=0/723, L-T=-842/0, N-P=-781/0, N-Q=-53/312, M-Q=-202/222

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are 3x3 MT20 unless otherwise indicated.
  - 3) 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.
  - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - 5) CAUTION, Do not erect truss backwards.

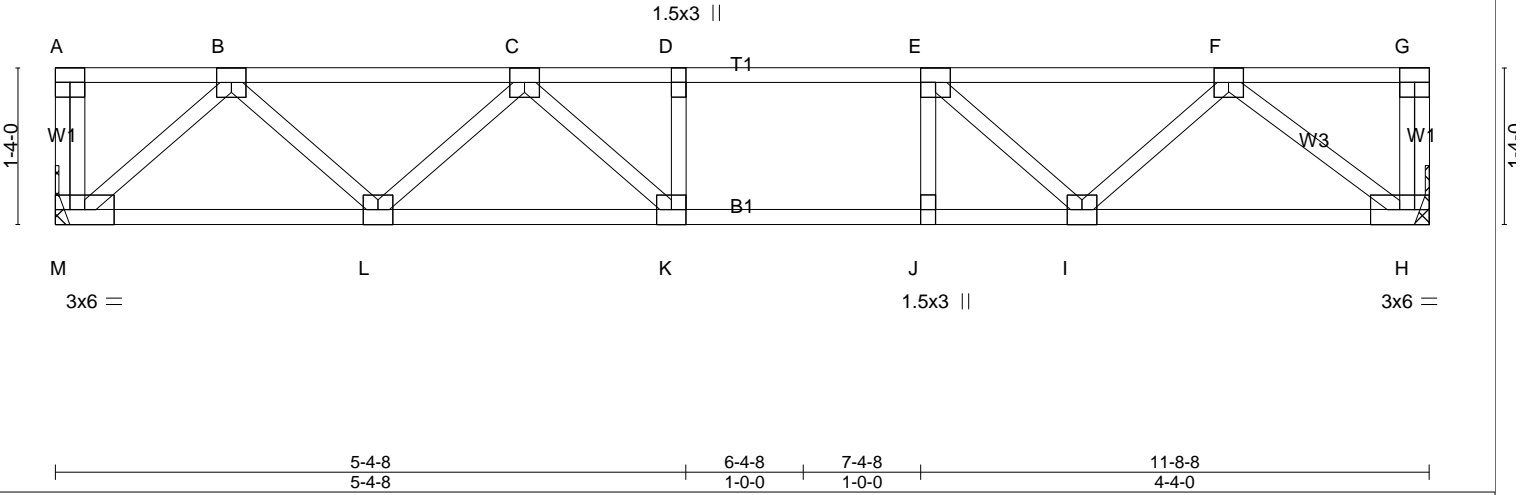
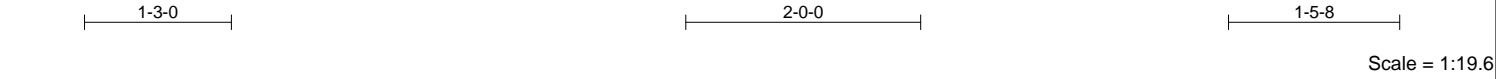
**LOAD CASE(S)** Standard



Job 67049702	Truss FT5	Truss Type Floor	Qty 3	Ply 1	MCKEE- WINSTON CRAFTSMAN PORCH
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Trey Daniel

Job Reference (optional)  
8.030 s Apr 8 2017 MiTek Industries, Inc. Wed Nov 29 10:08:18 2017 Page 1  
ID:wtU0m002CvnP9KkLnVkyW5y7knd-gPTH7ywkYCR5SqA9P8YR29chAWv3rwm0jTGutyEN\_R



<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc) l/defl L/d	<b>PLATES GRIP</b>
TCLL 40.0	Plate Grip DOL 1.00	TC 0.51	Vert(LL) -0.11 K-L >999 480	MT20 244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.83	Vert(TL) -0.17 K-L >806 360	
BCLL 0.0	Rep Stress Incr YES	WB 0.29	Horz(TL) 0.03 H n/a n/a	Weight: 62 lb FT = 4%F, 1%E
BCDL 5.0	Code IRC2009/TPI2007	Matrix-SH		

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

**REACTIONS.** (lb/size) M=745/Mechanical, H=745/Mechanical

**FORCES.** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD A-M=-47/0, G-H=67/0, A-B=0/0, B-C=-1219/0, C-D=-1722/0, D-E=-1722/0, E-F=-1286/0, F-G=0/0  
BOT CHORD L-M=0/784, K-L=0/1610, J-K=0/1722, I-J=0/1722, H-I=0/870  
WEBS D-K=-186/0, E-J=-34/137, B-M=-1044/0, B-L=0/605, C-L=-544/0, C-K=-11/357, E-I=0/578, F-H=-1094/0

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are 3x3 MT20 unless otherwise indicated.
  - 3) 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.
  - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

**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.



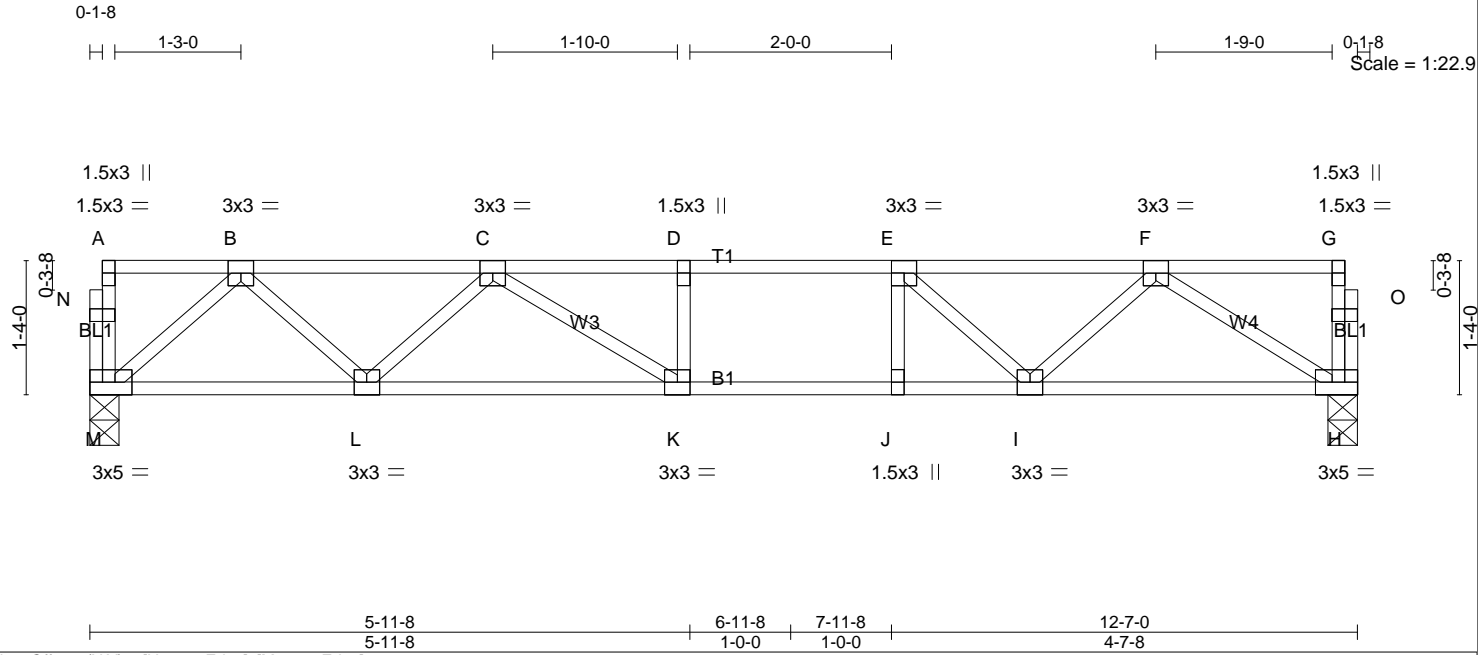


Plate Offsets (X,Y)-- [H:0-2-0,Edge], [M:0-2-0,Edge]

<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	Plate Grip DOL 1.00	TC 0.57	Vert(LL) -0.14 K-L >999 480	MT20	244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.75	Vert(TL) -0.23 K-L >646 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.33	Horz(TL) 0.03 H n/a n/a		
BCDL 5.0	Code IRC2009/TPI2007	Matrix-SH			
				Weight: 65 lb	FT = 4%F, 1%E

**LUMBER-**  
 TOP CHORD 2x4 SP No.2(flat)  
 BOT CHORD 2x4 SP No.1(flat)  
 WEBS 2x4 SP No.3(flat)

**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) M=794/0-3-8 (min. 0-1-8), H=794/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD M-N=-45/0, A-N=-45/0, H-O=-84/0, G-O=-83/0, A-B=-2/0, B-C=-1350/0, C-D=-1997/0, D-E=-1997/0, E-F=-1521/0, F-G=-4/0  
 BOT CHORD L-M=0/848, K-L=0/1799, J-K=0/1997, I-J=0/1997, H-I=0/1082  
 WEBS D-K=-179/0, E-J=-34/178, B-M=-1126/0, B-L=0/698, C-L=-625/0, C-K=0/437, E-I=-695/0, F-I=0/611, F-H=-1282/0

**NOTES-**  
 1) Unbalanced floor live loads have been considered for this design.  
 2) 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.  
 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

**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 67049702	Truss FT7	Truss Type Floor	Qty 4	Ply 1	MCKEE- WINSTON CRAFTSMAN PORCH
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Trey Daniel

Job Reference (optional)

ID:wtU0m002CvnP9KkLnVkyYW5y7knd-8c0fKlxMJVZx3\_kmzs3gbN9yfwQ7aRfvFMCpRjyEN\_Q  
8.030 s Apr 8 2017 MiTek Industries, Inc. Wed Nov 29 10:08:19 2017 Page 1

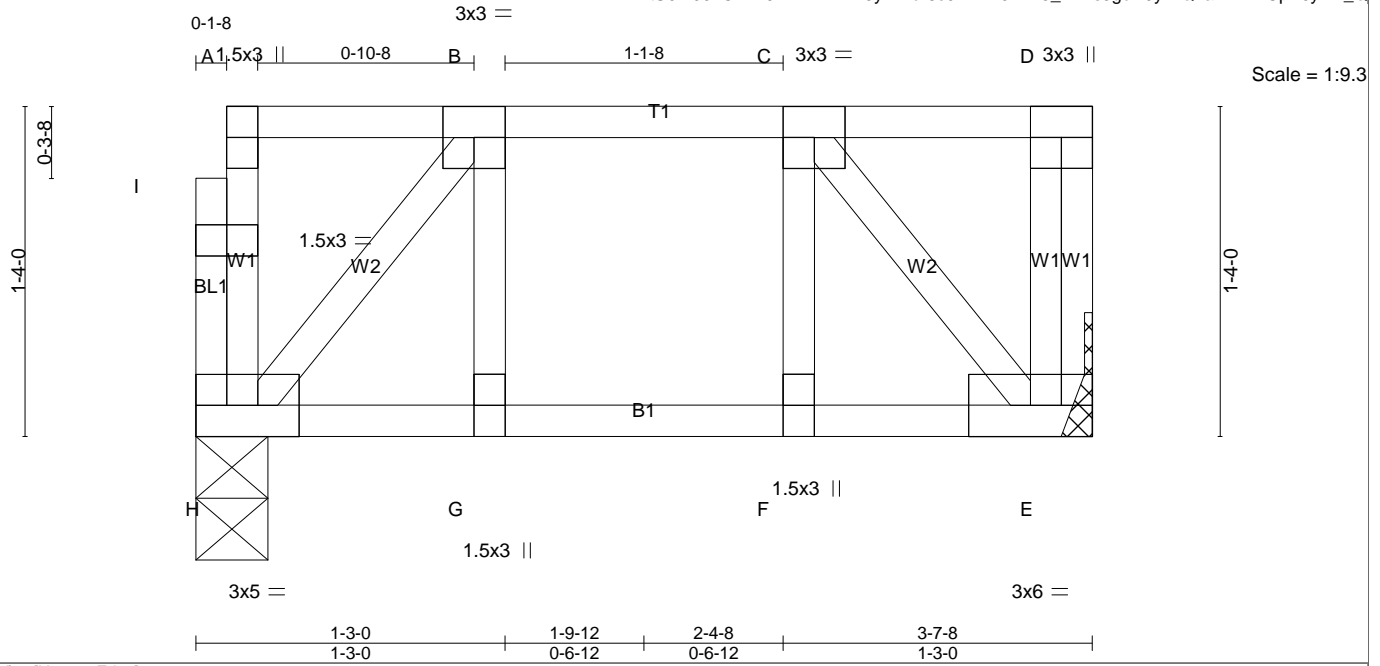


Plate Offsets (X,Y)-- [H:0-2-0,Edge]

<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	Plate Grip DOL 1.00	TC 0.08	Vert(LL) -0.00 F >999 480	MT20	244/190
TCDL 20.0	Lumber DOL 1.00	BC 0.07	Vert(TL) -0.00 F >999 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.05	Horz(TL) 0.00 E n/a n/a		
BCDL 5.0	Code IRC2009/TPI2007	Matrix-SH			
				Weight: 24 lb	FT = 4%F, 1%E

**LUMBER-**  
TOP CHORD 2x4 SP No.2(flat)  
BOT CHORD 2x4 SP No.2(flat)  
WEBS 2x4 SP No.3(flat)

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 3-7-8 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) H=212/0-3-8 (min. 0-1-8), E=219/Mechanical

**FORCES.** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD H-I=-50/0, A-I=-50/0, D-E=-54/0, A-B=-3/0, B-C=-145/0, C-D=0/0  
BOT CHORD G-H=0/145, F-G=0/145, E-F=0/145  
WEBS B-H=-215/0, B-G=-2/27, C-E=-219/0, C-F=-3/26

**NOTES-**  
1) Unbalanced floor live loads have been considered for this design.  
2) 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.  
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.  
4) CAUTION, Do not erect truss backwards.

**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.

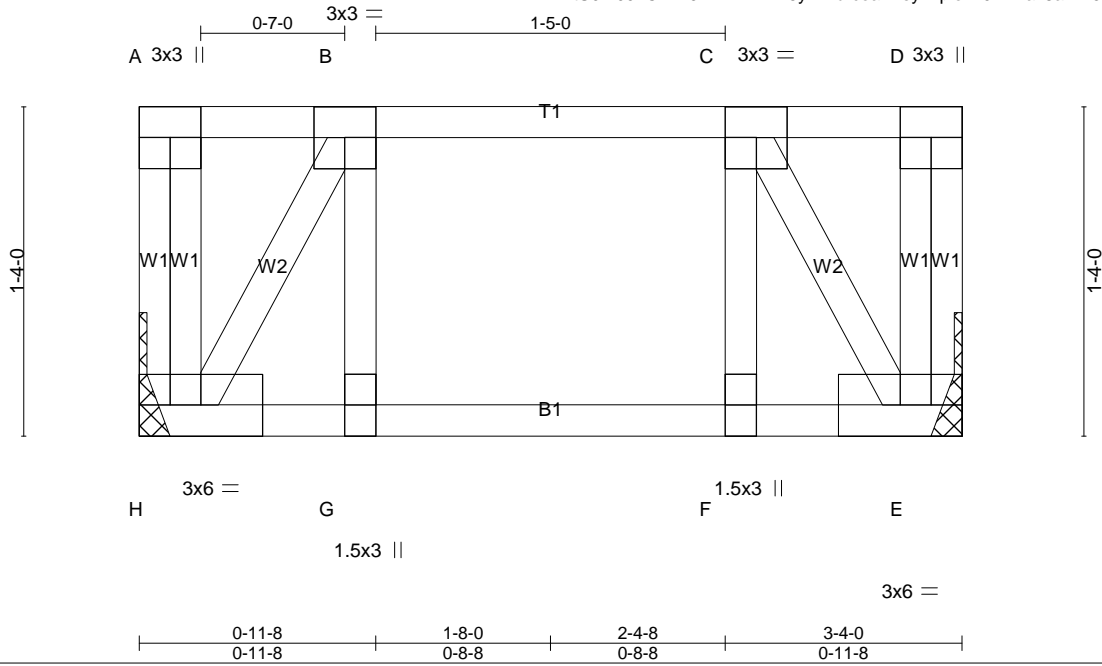


Job 67049702	Truss FT8	Truss Type Floor	Qty 3	Ply 1	MCKEE- WINSTON CRAFTSMAN PORCH
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Trey Daniel

Job Reference (optional)

ID:wtU0m002CvnP9KkLnVkYVW5y7knd-coa1Xey?4pioh7JYXZav8ah7vJmeJuy2U0yNzmyEN\_P  
8.030 s Apr 8 2017 MiTek Industries, Inc. Wed Nov 29 10:08:20 2017 Page 1



Scale = 1:9.3

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	2-0-0	TC 0.11	in (loc) l/defl L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.05	Vert(LL) -0.00 G >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.05	Vert(TL) -0.00 G >999 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-SH	Horz(TL) 0.00 E n/a n/a		
	Code IRC2009/TPI2007			Weight: 23 lb	FT = 4%F, 1%E

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 3-4-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

**REACTIONS.** (lb/size) H=200/Mechanical, E=200/Mechanical

**FORCES.** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD A-H=-25/12, D-E=-25/12, A-B=0/0, B-C=-112/0, C-D=0/0  
 BOT CHORD G-H=0/112, F-G=0/112, E-F=0/112  
 WEBS B-H=-209/0, B-G=0/22, C-E=-209/0, C-F=0/22

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) 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.
  - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

**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.

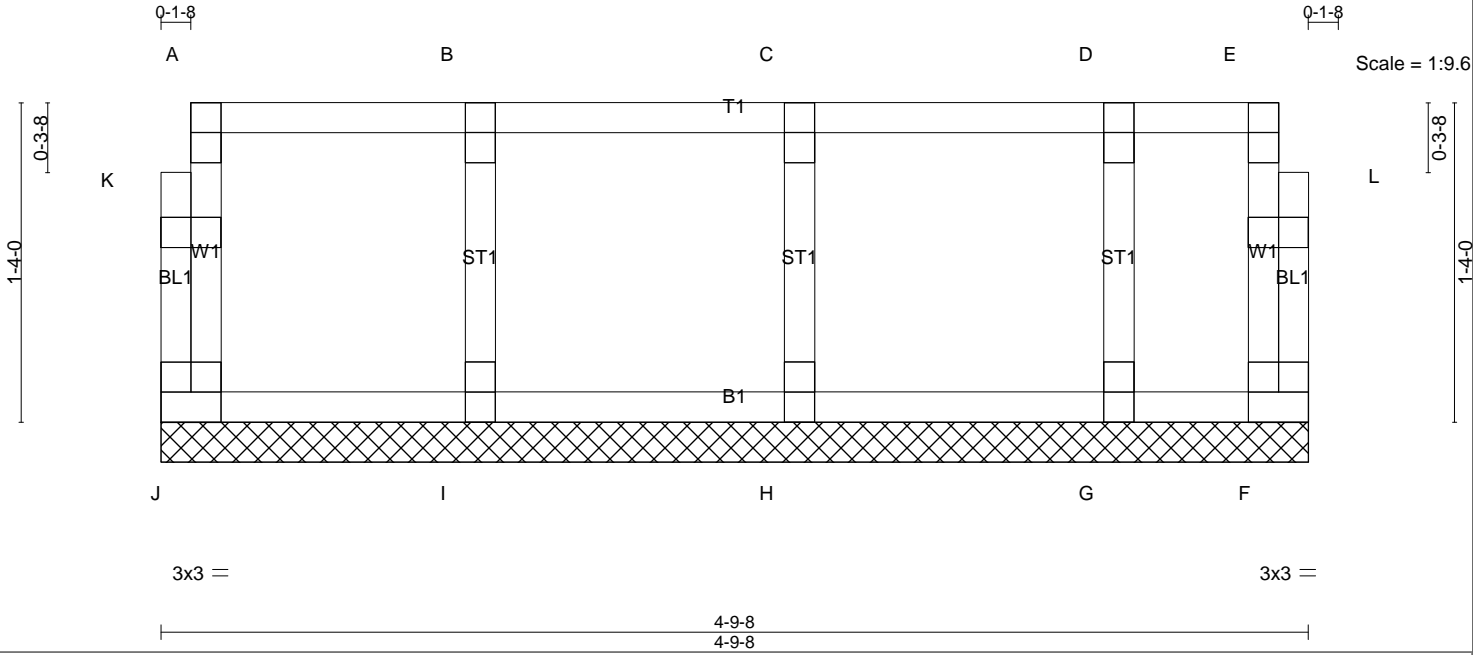


Job 67049702	Truss KW1	Truss Type Floor Supported Gable	Qty 1	Ply 1	MCKEE- WINSTON CRAFTSMAN PORCH
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Trey Daniel

Job Reference (optional)

8.030 s Apr 8 2017 MiTek Industries, Inc. Wed Nov 29 10:08:20 2017 Page 1  
ID:wtU0m002CvnP9KkLnVkyW5y7knd-coa1Xey?4pioh7JYXZav8ah76Jm5Ju62U0yNzmyEN\_P



<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	2-0-0	TC 0.10	in (loc) l/defl L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.02	Vert(LL) n/a - n/a 999		
BCLL 0.0	Lumber DOL 1.00	WB 0.04	Vert(TL) n/a - n/a 999		
BCDL 5.0	Rep Stress Incr YES	Matrix-R	Horz(TL) 0.00 F n/a n/a		
	Code IRC2009/TPI2007			Weight: 25 lb	FT = 4%F, 1%E

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

**REACTIONS.** (lb/size) J=63/4-9-8 (min. 0-1-8), F=30/4-9-8 (min. 0-1-8), I=172/4-9-8 (min. 0-1-8), H=181/4-9-8 (min. 0-1-8), G=130/4-9-8 (min. 0-1-8)

**FORCES.** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD J-K=-59/0, A-K=-59/0, F-L=-22/0, E-L=-21/0, A-B=-7/0, B-C=-7/0, C-D=-7/0, D-E=-7/0  
BOT CHORD I-J=0/7, H-I=0/7, G-H=0/7, F-G=0/7  
WEBS B-I=-157/0, C-H=-167/0, D-G=-126/0

- NOTES-**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
  - 2) Gable requires continuous bottom chord bearing.
  - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - 4) Gable studs spaced at 1-4-0 oc.
  - 5) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

**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.

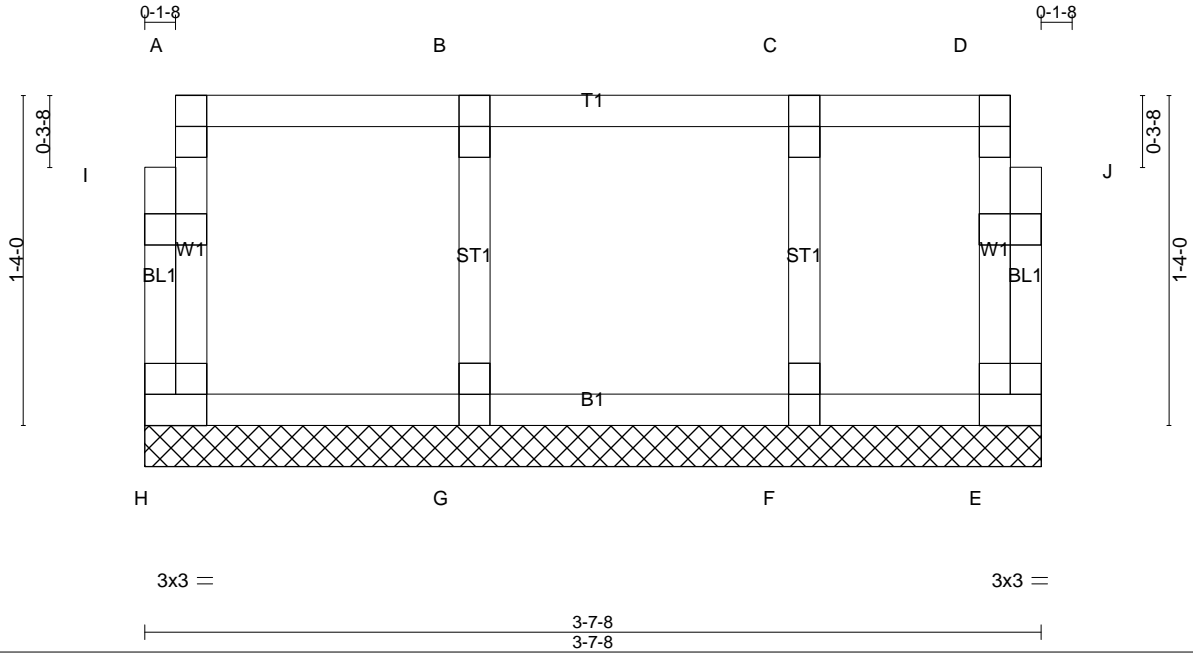


Job 67049702	Truss KW2	Truss Type Floor Supported Gable	Qty 1	Ply 1	MCKEE- WINSTON CRAFTSMAN PORCH
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Trey Daniel

8.030 s Apr 8 2017 MiTek Industries, Inc. Wed Nov 29 10:08:21 2017 Page 1

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Scale = 1:9.3

<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	2-0-0	TC 0.09	in (loc) l/defl L/d	MT20	244/190
TCDL 20.0	Plate Grip DOL 1.00	BC 0.02	Vert(LL) n/a - n/a 999		
BCLL 0.0	Lumber DOL 1.00	WB 0.04	Vert(TL) n/a - n/a 999		
BCDL 5.0	Rep Stress Incr YES	Matrix-R	Horz(TL) 0.00 E n/a n/a		
	Code IRC2009/TPI2007			Weight: 20 lb	FT = 4%F, 1%E

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 3-7-8 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

**REACTIONS.** (lb/size) H=62/3-7-8 (min. 0-1-8), E=41/3-7-8 (min. 0-1-8), G=179/3-7-8 (min. 0-1-8), F=142/3-7-8 (min. 0-1-8)

**FORCES.** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD H-I=-58/0, A-I=-58/0, E-J=-34/0, D-J=-34/0, A-B=-7/0, B-C=-7/0, C-D=-7/0  
BOT CHORD G-H=0/7, F-G=0/7, E-F=0/7  
WEBS B-G=-164/0, C-F=-135/0

- NOTES-**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
  - 2) Gable requires continuous bottom chord bearing.
  - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - 4) Gable studs spaced at 1-4-0 oc.
  - 5) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

**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.

