

Job 20063650	Truss A1	Truss Type PIGGYBACK BASE	Qty 2	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber
 8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:12 2020 Page 1
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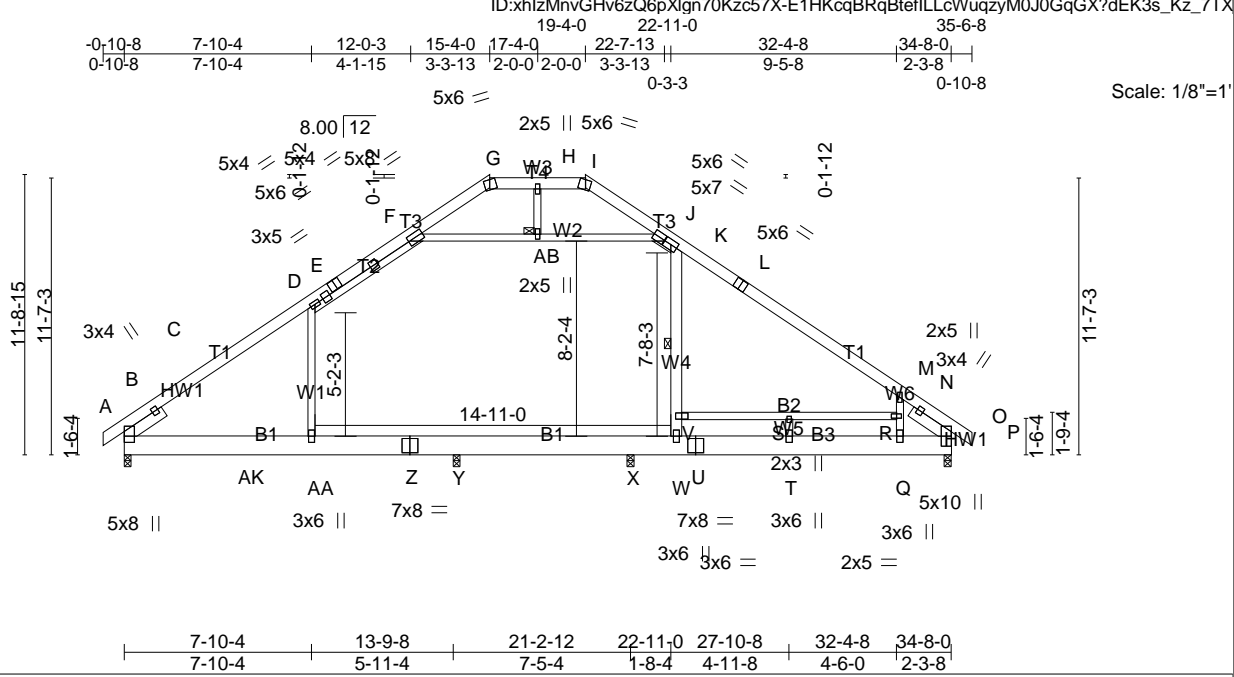


Plate Offsets (X,Y)-- [J:0-0-4,0-2-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.66	Vert(LL) -0.17 R-S >969 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.75	Vert(CT) -0.27 R-S >601 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.51	Horz(CT) -0.03 O n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MSH	Attic -0.05 W-X 920 360		
				Weight: 319 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* T2,T5: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-1-1 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): G-I.
BOT CHORD 2x10 SP No.1 *Except* B2: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 9-6-15 oc bracing.
WEBS 2x4 SP No.3 *Except* W1,W2: 2x4 SP No.2, W4: 2x6 SP No.2	WEBS 1 Row at midpt K-W
SLIDER Left 2x6 SP No.2 - \$ 1-11-12, Right 2x6 SP No.2 - \$ 1-11-12	JOINTS 1 Brace at Jt(s): S, AB

REACTIONS. (lb/size) B=1193/0-3-8, O=1295/0-3-8, Y=316/0-3-8, X=508/0-3-8
 Max Horz B=265(LC 9)
 Max Uplift B=-128(LC 10), O=-49(LC 10), Y=-144(LC 10), X=-152(LC 6)
 Max Grav B=1281(LC 18), O=1507(LC 18), Y=880(LC 18), X=1322(LC 19)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/29, B-C=-332/8, C-D=-1320/176, D-E=-1138/268, E-F=-1037/306, F-G=-393/101, G-H=-240/110, H-I=-240/110, I-J=-388/118,
 J-K=-1033/315, K-L=-1208/297, L-M=-1430/220, M-N=-1466/120, N-O=-581/66, O-P=0/29
 BOT CHORD B-AK=-98/1131, AA-AK=98/1131, Z-AA=98/1131, Y-Z=-98/1131, X-Y=98/1131, W-X=-98/1131, U-W=-66/1246, T-U=-66/1246, Q-T=-66/1246,
 O-Q=-79/1184, S-V=-223/51, R-S=-223/51
 WEBS D-AA=-242/214, F-AB=-986/310, J-AB=-986/310, V-W=-384/229, K-V=-337/251, Q-R=-546/396, M-R=-501/416, S-T=-549/0, H-AB=0/91

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Ceiling dead load (5.0 psf) on member(s). D-F, J-K, K-M, F-AB, J-AB
 - 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. Y-AA, X-Y, W-X, S-V, R-S
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 128 lb uplift at joint B, 49 lb uplift at joint O, 144 lb uplift at joint Y and 152 lb uplift at joint X.
 - 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job 20063650	Truss A1B	Truss Type ROOF TRUSS	Qty 4	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:13 2020 Page 1

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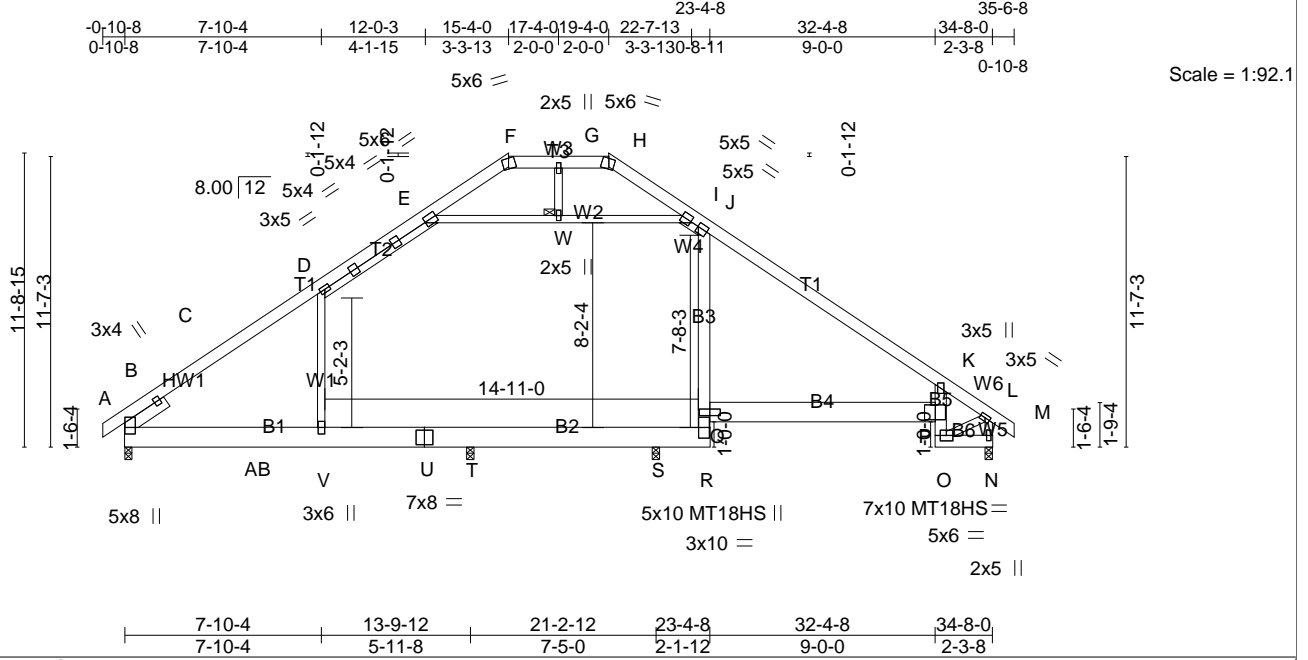


Plate Offsets (X,Y)-- [J:0-0-4,0-2-4]

LOADING (psf)	SPACING-	CSL	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.59	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.90	Vert(LL) -0.19 P-Q >844 240	MT18HS	244/190
BCLL 0.0 *	Lumber DOL 1.15	WB 0.45	Vert(CT) -0.30 P-Q >536 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MSH	Horz(CT) 0.20 N n/a n/a		
	Code IRC2015/TP12014		Attic -0.06 R-S 766 360		
				Weight: 302 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* T2: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-2 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): F-H.
BOT CHORD 2x6 SP No.2 *Except* B2,B4,B1: 2x10 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: Q-R 2-2-1 oc bracing: O-P. 6-0-0 oc bracing: J-Q
WEBS 2x4 SP No.3 *Except* W1,W2: 2x4 SP No.2	JOINTS 1 Brace at Jt(s): W
SLIDER Left 2x6 SP No.2 -S 1-11-12	

REACTIONS. (lb/size) N=1140/0-3-8, B=1138/0-3-8, T=334/0-3-8, S=513/0-3-8
 Max Horz B=266(LC 8)
 Max Uplift N=106(LC 10), B=144(LC 10), T=98(LC 10), S=195(LC 6)
 Max Grav N=1325(LC 18), B=1190(LC 18), T=933(LC 18), S=1332(LC 19)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/29, B-C=-343/8, C-D=-1134/179, D-E=-1060/314, E-F=-438/92, F-G=-292/87, G-H=-292/87, H-I=-451/95, I-J=-934/315, J-K=-1356/318, K-L=-1230/187, L-M=0/34
 BOT CHORD B-AB=-153/984, V-AB=-153/984, U-V=-153/984, T-U=-153/984, S-T=-153/984, R-S=-153/984, Q-R=-755/197, J-Q=-382/239, P-Q=-128/1094, O-P=-455/77, K-P=-364/177, N-O=0/0
 WEBS D-V=-282/196, L-N=-1388/202, E-W=-754/319, I-W=-754/319, G-W=0/86, L-O=-128/1107

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Ceiling dead load (5.0 psf) on member(s). D-E, I-J, J-K, E-W, I-W
 - 8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. T-V, S-T, R-S, P-Q
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint N, 144 lb uplift at joint B, 98 lb uplift at joint T and 195 lb uplift at joint S.
 - 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1 1.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 12) Attic room checked for L/360 deflection.

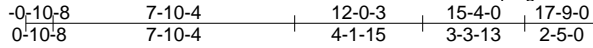
LOAD CASE(S) Standard

Job 20063650	Truss A2	Truss Type ROOF TRUSS	Qty 6	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:14 2020 Page 1

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Scale = 1:74.9

Plate Offsets (X,Y)-- [E:0-3-0,0-5-4], [F:0-0-4,0-2-8], [H:Edge,0-3-8]

LOADING (psf)	SPACING-	CSI.	DEFLL in (loc)	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.91	Vert(LL) 0.24 L-P >708 240	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.97	Vert(CT) -0.28 L-P >588 180		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.45	Horz(CT) 0.06 B n/a n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-MSH	Attic -0.14 I-J 628 360		
	Code IRC2015/TP12014			Weight: 166 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* T2: 2x4 SP No.2	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.): G-H.
BOT CHORD 2x10 SP No.1	BOT CHORD Rigid ceiling directly applied or 2-7-8 oc bracing.
WEBS 2x4 SP No.2 *Except* W3: 2x4 SP No.3	
SLIDER Left 2x6 SP No.2 - \$ 1-11-12	

REACTIONS. (lb/size) B=529/0-3-8, J=1229/0-3-8
 Max Horz B=411(LC 10)
 Max Uplift J=278(LC 10)
 Max Grav B=554(LC 18), J=1962(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/29, B-C=-308/54, C-D=-593/540, D-E=-278/108, E-F=-241/169, F-G=-96/56, G-H=-80/77, I-M=-605/189, H-M=-577/209
 BOT CHORD B-R=-132/130, L-R=-132/130, K-L=-132/130, J-K=-132/130, I-J=-132/130
 WEBS D-L=-791/489, F-M=-255/226

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Ceiling dead load (5.0 psf) on member(s). D-F, F-M
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. J-L, I-J
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 278 lb uplift at joint J.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 351 lb down and 39 lb up at 17-7-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
 - Attic room checked for L/360 deflection.

LOAD CASE(S) Standard
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: A-D=60, D-F=70, F-G=60, G-H=60, I-N=20, F-M=10
 Concentrated Loads (lb)
 Vert: H=200

Job 20063650	Truss A3	Truss Type ROOF TRUSS	Qty 3	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber
 8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:16 2020 Page 1
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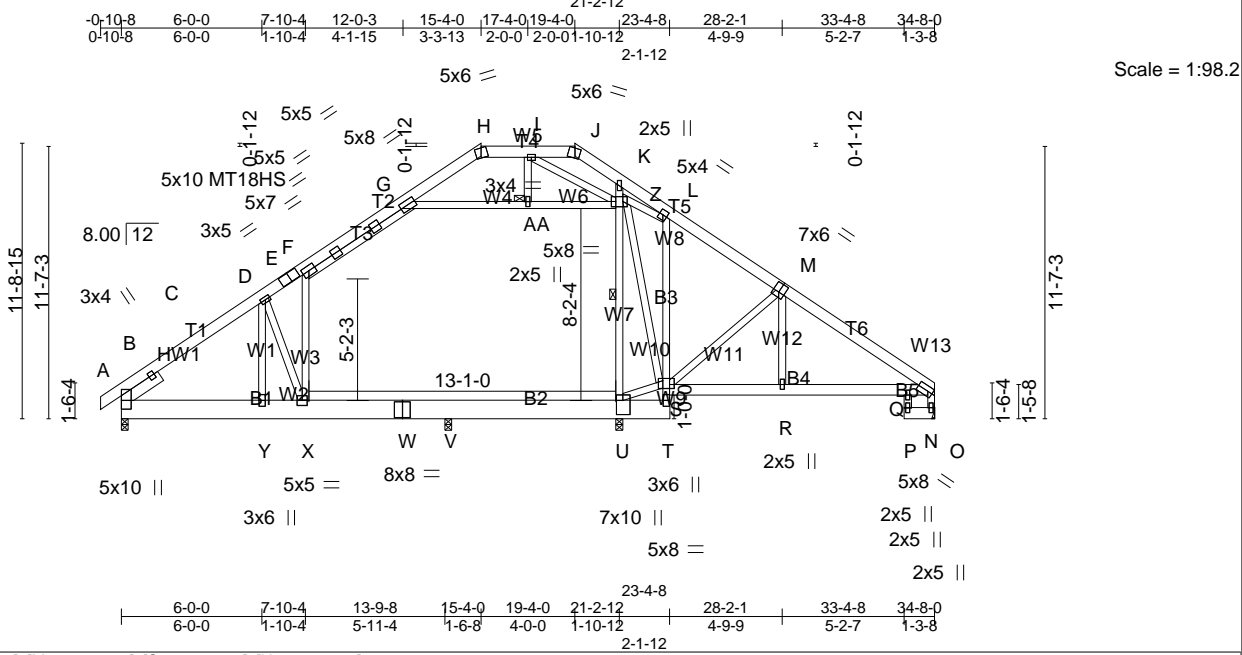


Plate Offsets (X,Y)-- [L:0-1-12,0-2-8], [M:0-3-0,0-4-8], [S:0-2-4,0-2-0], [U:0-7-4,0-3-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.22	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.42	Vert(LL) -0.06 X >999 240	MT18HS	244/190
BCLL 0.0 *	Lumber DOL 1.15	WB 0.37	Vert(CT) -0.11 X >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MSH	Horz(CT) 0.05 O n/a n/a		
	Code IRC2015/TP12014		Attic -0.06 V-X 2433 360		
				Weight: 336 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* T1,T2: 2x6 SP SS, T3: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-10-6 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): H-J.
BOT CHORD 2x6 SP No.2 *Except* B1,B2: 2x10 SP No.1, B3,B5: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: S-T.
WEBS 2x4 SP No.3 *Except* W3,W7,W4: 2x4 SP No.2	WEBS 1 Row at midpt U-Z
SLIDER Left 2x6 SP No.2 -S 1-11-12	JOINTS 1 Brace at Jt(s): AA

REACTIONS. (lb/size) B=1072/0-3-8, O=987/Mechanical, U=427/0-3-8, V=462/0-3-8
 Max Horz B=289(LC 9)
 Max Uplift B=-174(LC 10), O=-139(LC 10), U=-194(LC 6), V=-28(LC 10)
 Max Grav B=1091(LC 18), O=987(LC 1), U=699(LC 19), V=1040(LC 16)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/29, B-C=-433/0, C-D=-1215/252, D-E=-986/263, E-F=-940/274, F-G=-922/312, G-H=-412/127, H-I=-303/130, I-J=0/135, J-K=-73/120,
 K-L=-27/201, L-M=-1091/344, M-N=-1452/299, N-O=-971/187
 BOT CHORD B-Y=-233/1116, X-Y=-233/1116, W-X=-197/869, V-W=-197/869, U-V=-197/869, T-U=-24/96, S-T=-125/28, L-S=-88/360, R-S=-147/1131,
 Q-R=-146/1131, N-Q=-135/1106, P-Q=0/13, O-P=-25/31
 WEBS F-X=-80/126, U-Z=-636/112, K-Z=-337/93, S-U=-196/850, M-S=-470/189, S-Z=-88/294, M-R=0/258, G-AA=-589/295, Z-AA=-590/295,
 I-AA=0/92, L-Z=-967/352, D-Y=-117/451, D-X=-692/308, I-Z=-439/71

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). F-G, G-AA, Z-AA
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. V-X, U-V
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 174 lb uplift at joint B, 139 lb uplift at joint O, 194 lb uplift at joint U and 28 lb uplift at joint V.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job 20063650	Truss A4	Truss Type ROOF TRUSS	Qty 2	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:17 2020 Page 1

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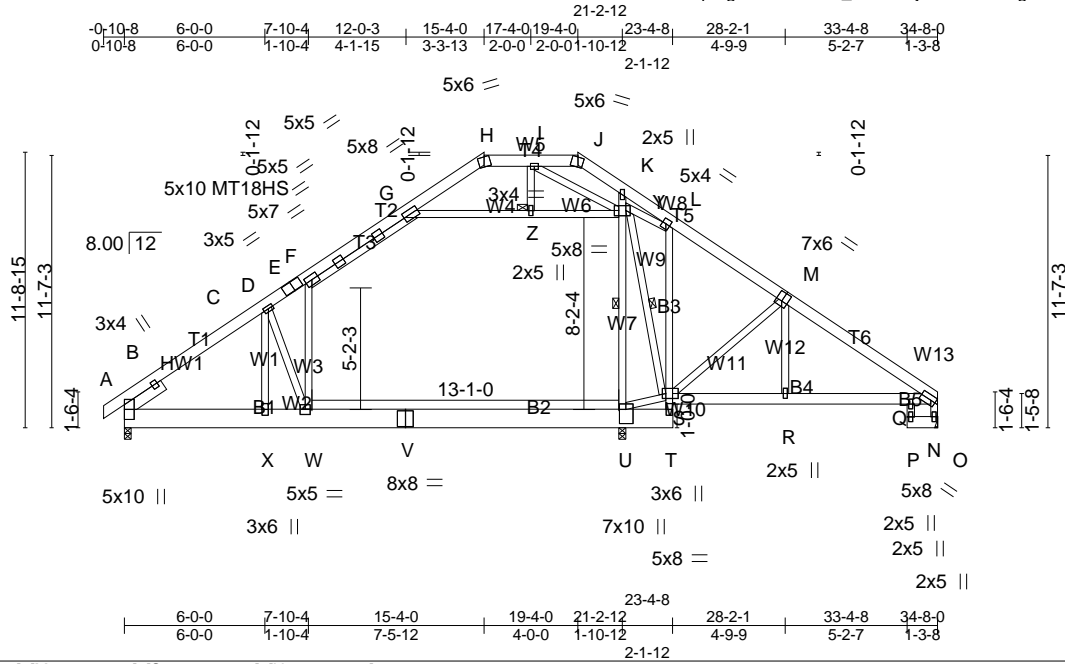


Plate Offsets (X,Y)-- [L:0-1-12,0-2-8], [M:0-3-0,0-4-8], [S:0-2-12,0-2-8], [U:0-7-4,0-3-4]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.64	Vert(LL) -0.26 U-W >974 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.93	Vert(CT) -0.39 U-W >657 180	MT18HS	244/190
BCLL 0.0 *	Rep Stress Incr YES	WB 0.61	Horz(CT) 0.05 O n/a n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-MSH	Attic -0.17 U-W 951 360		
				Weight: 336 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* T1,T2: 2x6 SP SS, T3: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-10-3 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): H-J.
BOT CHORD 2x6 SP No.2 *Except* B1,B2: 2x10 SP No.1, B3,B5: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3 *Except* W3,W7,W4: 2x4 SP No.2	WEBS 1 Row at midpt U-Y, S-Y
SLIDER Left 2x6 SP No.2 -S 1-11-12	JOINTS 1 Brace at Jt(s): Z

REACTIONS. (lb/size) B=1303/0-3-8, O=1103/Mechanical, U=542/0-3-8
 Max HorzB=289(LC 9)
 Max UpliftB=-188(LC 10), O=-146(LC 10), U=-138(LC 6)
 Max GravB=1610(LC 18), O=1191(LC 18), U=926(LC 19)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/29, B-C=-816/0, C-D=-1946/255, D-E=-2034/267, E-F=-1988/278, F-G=-1448/314, G-H=-388/127, H-I=-257/130, I-J=0/133, J-K=-79/115, K-L=-27/183, L-M=-1559/357, M-N=-1863/300, N-O=-1174/188
 BOT CHORD B-X=-249/1717, W-X=-249/1717, V-W=-169/1485, U-V=-169/1485, T-U=-84/47, S-T=-1106/0, L-S=-84/509, R-S=-157/1499, Q-R=-157/1500, N-Q=-145/1471, P-Q=-1/13, O-P=-25/32
 WEBS F-W=-34/1045, U-Y=-342/826, K-Y=-349/93, S-U=-159/1637, M-S=-444/192, S-Y=-829/62, M-R=0/250, G-Z=-1308/314, Y-Z=-1309/315, I-Z=0/131, L-Y=-1364/363, D-X=-302/158, D-W=-652/307, I-Y=-385/77

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Ceiling dead load (5.0 psf) on member(s). F-G, G-Z, Y-Z
 - 8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. U-W
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 188 lb uplift at joint B, 146 lb uplift at joint O and 138 lb uplift at joint U.
 - 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job 20063650	Truss A5	Truss Type ROOF TRUSS	Qty 2	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber
 8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:19 2020 Page 1

0-10-8	4-11-3	7-10-4	12-0-3	15-4-0	17-4-0	19-4-0	22-7-13	26-8-0	29-8-13	34-8-0
0-10-8	4-11-3	2-11-1	4-1-15	3-3-13	2-0-0	2-0-0	3-3-13	4-0-3	3-0-13	4-11-3

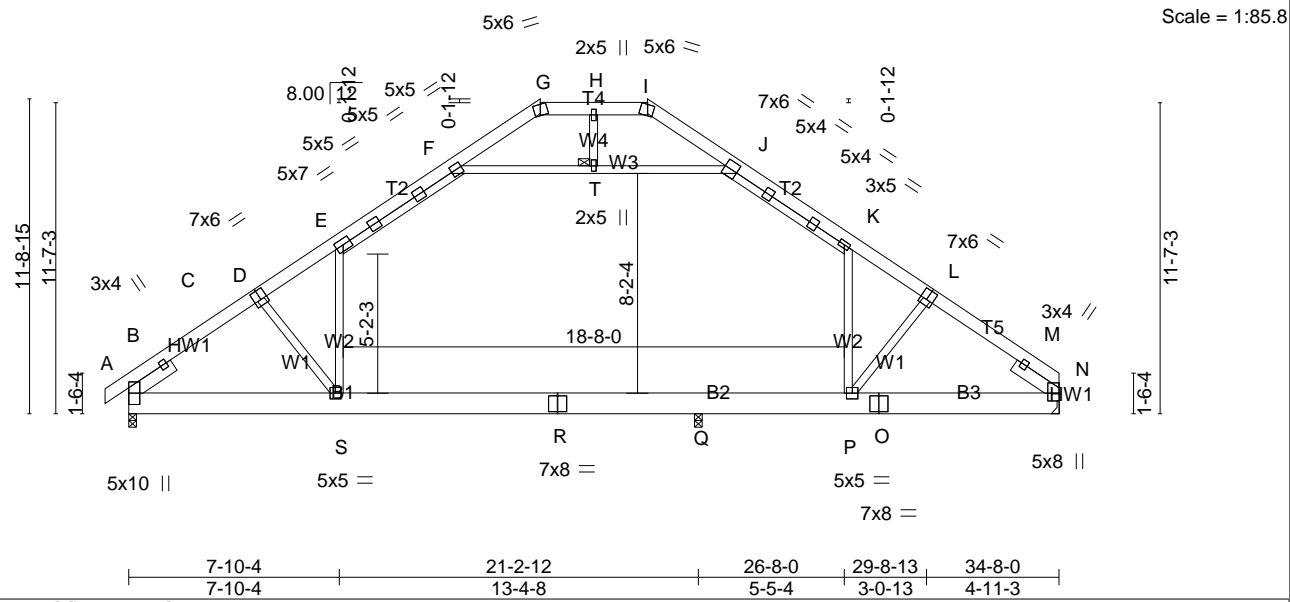


Plate Offsets (X,Y)-- [D:0-3-0,0-4-8], [L:0-3-0,0-4-8]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc)	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.68	Vert(LL) -0.51 Q-S >504 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.90	Vert(CT) -0.69 Q-S >370 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.44	Horz(CT) 0.06 N n/a n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-MSH	Attic -0.38 P-S 596 360		Weight: 309 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* T2: 2x6 SP SS, T3: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-1-12 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): G-1.
BOT CHORD 2x10 SP No.1	BOT CHORD Rigid ceiling directly applied or 6-1-15 oc bracing.
WEBS 2x4 SP No.2 *Except* W4,W1: 2x4 SP No.3	JOINTS 1 Brace at Jt(s): T
SLIDER Left 2x6 SP No.2 -\$ 1-11-12, Right 2x6 SP No.2 -\$ 1-11-12	

REACTIONS. (lb/size) B=1335/0-3-8, N=1165/Mechanical, Q=516/0-3-8
 Max Horz B=261(LC 7)
 Max Uplift B=150(LC 10), N=79(LC 11)
 Max Grav B=1499(LC 18), N=1165(LC 1), Q=1379(LC 16)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/29, B-C=-919/91, C-D=-1737/251, D-E=-1612/260, E-F=-1219/334, F-G=-423/158, G-H=-292/128, H-I=-293/129, I-J=-445/123,
 J-K=-1289/332, K-L=-1476/267, L-M=-1584/258, M-N=-564/115
 BOT CHORD B-S=-214/1575, R-S=-85/1218, Q-R=-85/1218, P-Q=-85/1218, O-P=-138/1231, N-O=-138/1231
 WEBS E-S=0/711, K-P=-177/229, F-T=-1114/287, J-T=-1114/287, H-T=0/95, D-S=-596/216, L-P=-231/211

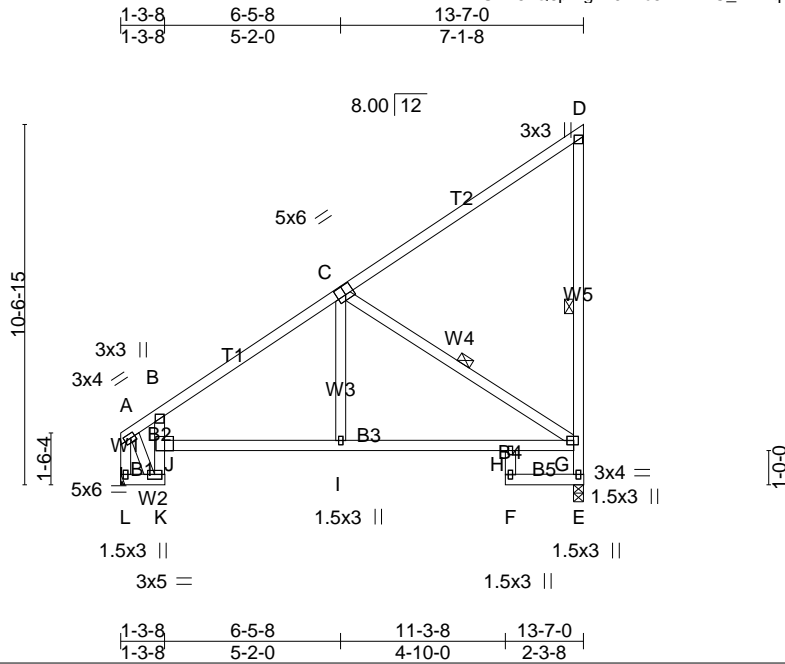
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Ceiling dead load (5.0 psf) on member(s). E-F, J-K, F-T, J-T
 - 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. Q-S, P-Q
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 150 lb uplift at joint B and 79 lb uplift at joint N.
 - 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job 20063650	Truss A6	Truss Type MONOPITCH	Qty 2	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

ID:xhlzMnvGHv6zQ6pXlgn70Kzc57X-XNC_4DHqBLmf?MOhXVWTIQ9DCre3PI0rWfKkQz_7TQ
8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:19 2020 Page 1



Scale = 1:67.6

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.62	Vert(LL) 0.13 I-J >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.78	Vert(CT) -0.12 H-I >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.24	Horz(CT) 0.11 E n/a n/a		
BCDL 10.0	Code IRC2015/TP12014	Matrix-MSH		Weight: 88 lb	FT = 20%

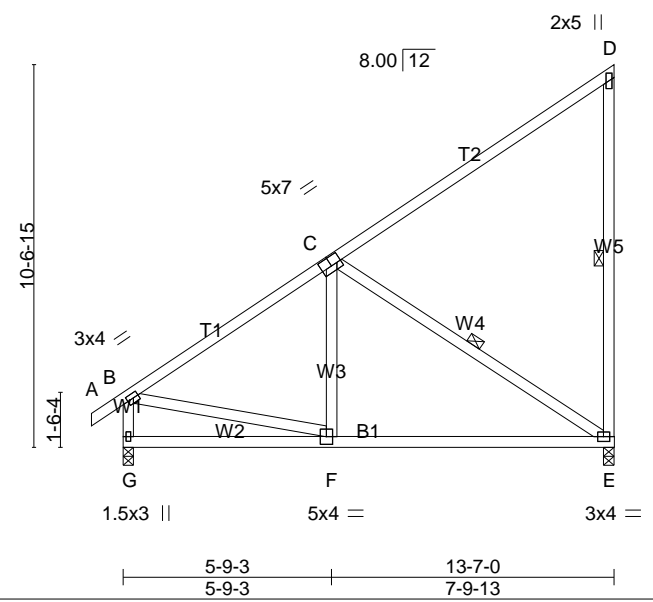
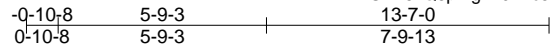
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
B2,B4: 2x4 SP No.3	WEBS 1 Row at midpt D-E, C-G
WEBS 2x4 SP No.3	

REACTIONS. (lb/size) E=532/0-3-8, L=532/Mechanical
Max HorzL=325(LC 10)
Max UpliftE=-244(LC 10)
Max GravE=576(LC 17), L=532(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-357/30, B-C=-61 1/0, C-D=-165/90, E-G=-564/261, D-G=-180/117, A-L=-570/22
BOT CHORD K-L=-364/316, J-K=-243/16, B-J=-175/26, I-J=-262/565, H-I=-263/562, G-H=-271/561, F-H=0/24, E-F=-3/14
WEBS C-I=0/298, A-K=0/353, C-G=-661/313

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 244 lb uplift at joint E.
 - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1 1.

LOAD CASE(S) Standard



Scale: 3/16"=1'

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.77	Vert(LL) -0.10 E-F >999 240	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.54	Vert(CT) -0.20 E-F >790 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.25	Horz(CT) -0.01 E n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MSH		Weight: 91 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 9-3-9 oc bracing. WEBS 1 Row at midpt D-E, C-E
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REACTIONS. (lb/size) G=595/0-3-8, E=529/0-3-8
 Max Horz G=348(LC 10)
 Max Uplift E=-245(LC 10)
 Max Grav G=595(LC 1), E=574(LC 17)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/34, B-C=-577/0, C-D=-184/106, D-E=-211/143, B-G=-553/13
 BOT CHORD F-G=-390/336, E-F=-222/499
 WEBS C-F=0/254, C-E=-578/258, B-F=0/394

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 245 lb uplift at joint E.
 - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

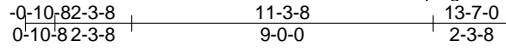
LOAD CASE(S) Standard

Job 20063650	Truss A7A	Truss Type ROOF TRUSS	Qty 2	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:21 2020 Page 1

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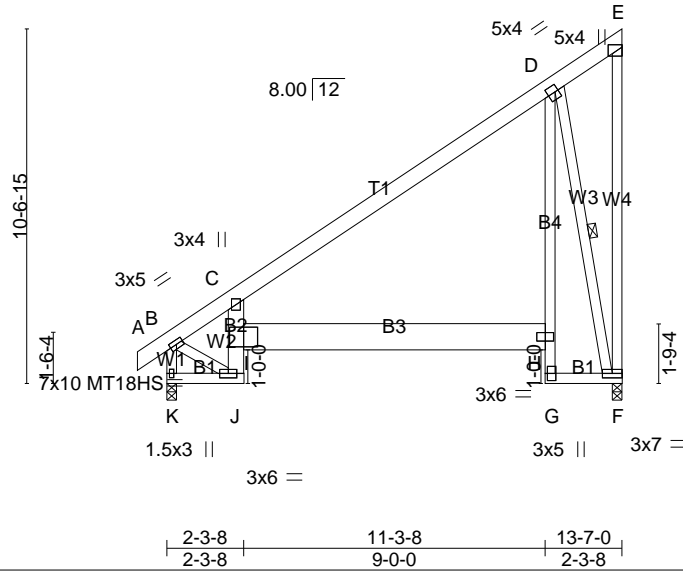


Plate Offsets (X,Y)-- [D:0-1-4,0-2-8], [G:0-2-8,0-0-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.81	Vert(LL) -0.17 H-I >929 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.66	Vert(CT) -0.25 H-I >642 180	MT18HS	244/190
BCLL 0.0 *	Rep Stress Incr YES	WB 0.48	Horz(CT) 0.19 F n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MSH	Attic -0.11 H-I 1038 360		
				Weight: 132 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
B2: 2x6 SP No.2, B3: 2x10 SP No.1	WEBS 1 Row at midpt D-F
WEBS 2x4 SP No.3 *Except*	
W4: 2x4 SP No.2	

REACTIONS. (lb/size) F=529/0-3-8, K=595/0-3-8
 Max Horz K=378(LC 9)
 Max Uplift F=-171(LC 10), K=-45(LC 10)
 Max Grav F=878(LC 18), K=842(LC 19)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/34, B-C=-708/131, C-D=-489/128, D-E=-266/218, E-F=-128/207
 BOT CHORD J-K=-378/223, I-J=-328/60, C-I=-244/188, H-I=-125/326, G-H=-62/116, D-H=-59/617, F-G=-118/290
 WEBS D-F=-1153/370, B-K=-831/138, B-J=-86/670

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 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) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. H-I
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 171 lb uplift at joint F and 45 lb uplift at joint K.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job 20063650	Truss B1	Truss Type Common Supported Gable	Qty 1	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber
 8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:22 2020 Page 1
 ID:xhlmnvGHv6zQ6pXlgn70Kzc57X-yyt6iFJiUG8Dsq6GCd3AN3nrr2rsc7S5XuUOKlz_7TN

0-10-8 8-3-12 16-7-8 17-6-0
 0-10-8 8-3-12 8-3-12 0-10-8

3x6 =

Scale = 1:57.3

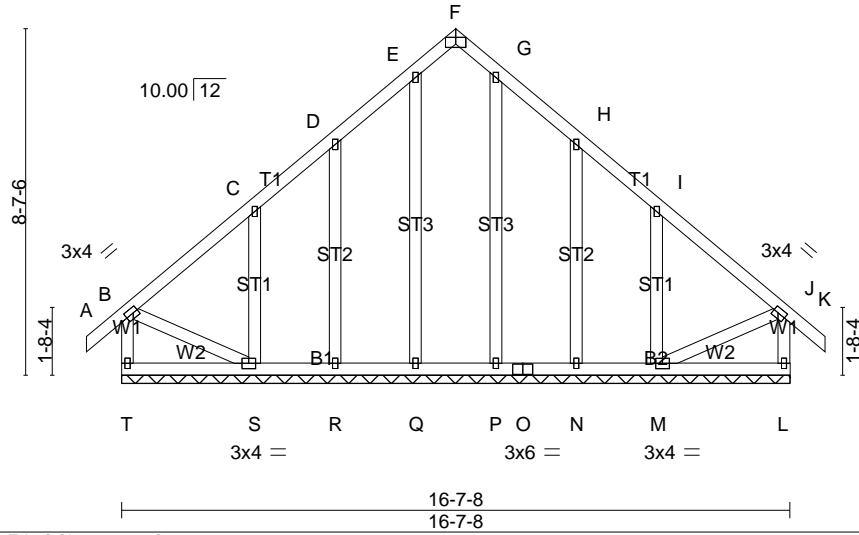


Plate Offsets (X,Y)-- [B:0-1-8,0-1-8], [F:0-3-0,Edge], [J:0-1-8,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.15	Vert(LL) 0.00 J n/r 120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.07	Vert(CT) 0.00 J n/r 90		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.13	Horz(CT) 0.00 L n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-SH			
				Weight: 124 lb	FT = 20%

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

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

REACTIONS. (lb/size) T=200/16-7-8, L=200/16-7-8, Q=149/16-7-8, R=141/16-7-8, S=225/16-7-8, P=149/16-7-8, N=141/16-7-8, M=225/16-7-8
 Max Horz T=-243(LC 8)
 Max Uplift T=-25(LC 6), L=-4(LC 7), Q=-7(LC 10), R=-90(LC 10), S=-212(LC 10), P=-2(LC 11), N=-92(LC 11), M=-209(LC 11)
 Max Grav T=233(LC 19), L=228(LC 20), Q=164(LC 17), R=154(LC 17), S=293(LC 17), P=151(LC 18), N=157(LC 18), M=286(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD B-T=-204/76, A-B=0/39, B-C=-196/132, C-D=-101/65, D-E=-80/65, E-F=-77/74, F-G=-77/74, G-H=-63/61, H-I=-92/44, I-J=-189/132, J-K=0/39, J-L=-199/76
 BOT CHORD S-T=-225/234, R-S=-148/252, Q-R=-148/252, P-Q=-148/252, O-P=-148/252, N-O=-148/252, M-N=-148/252, L-M=-16/28
 WEBS E-Q=-122/32, D-R=-139/111, C-S=-205/147, G-P=-109/27, H-N=-139/111, I-M=-205/147, B-S=-179/247, J-M=-179/247

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint T, 4 lb uplift at joint L, 7 lb uplift at joint Q, 90 lb uplift at joint R, 212 lb uplift at joint S, 2 lb uplift at joint P, 92 lb uplift at joint N and 209 lb uplift at joint M.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

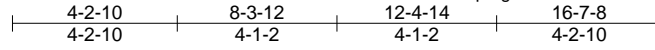
Job 20063650	Truss B2	Truss Type ROOF TRUSS	Qty 1	Ply 2	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

Job Reference (optional)

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:27 2020 Page 1

ID:xlzMnVGHv6zQ6pXlgn70Kzc57X-lvh?mzNriomWYb?D?AfL36UhS3POHFkqhAB90yz_7T



5x6 =

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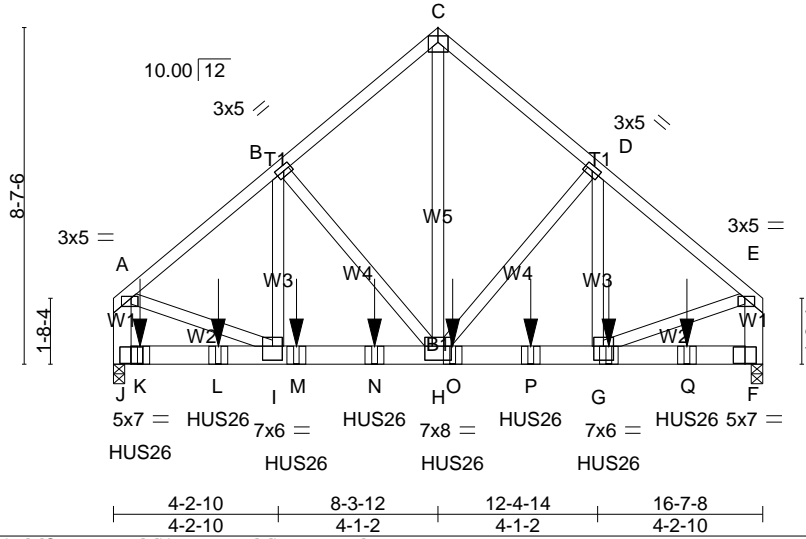


Plate Offsets (X,Y)-- [A:0-3-0,Edge], [E:0-3-0,Edge], [G:0-3-0,0-4-4], [H:0-4-0,0-4-4], [I:0-3-0,0-4-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.22	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.69	Vert(LL) -0.04 G-H >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.77	Vert(CT) -0.09 G-H >999 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MSH	Horz(CT) 0.01 F n/a n/a		
	Code IRC2015/TP12014			Weight: 263 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* W1: 2x6 SP No.2	

REACTIONS. (lb/size) J=4096/0-3-8, F=4439/0-3-8
Max Horz J=-219(LC 24)
Max Uplift J=-158(LC 8), F=-511(LC 9)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-3772/409, B-C=-3164/505, C-D=-3163/505, D-E=-4163/546, A-J=-3449/375, E-F=-3774/482
BOT CHORD J-K=-171/333, K-L=-171/333, L-M=-171/333, M-N=-321/2837, N-O=-321/2837, H-N=-321/2837, H-O=-353/3137, O-P=-353/3137, G-P=-353/3137, G-Q=-52/304, F-Q=-52/304
WEBS C-H=-541/3698, D-H=-1222/278, D-G=-183/1417, B-H=-739/116, B-I=0/749, A-I=-296/2798, E-G=-350/3016

- 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, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) J, 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 158 lb uplift at joint J and 511 lb uplift at joint F.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-8-4 from the left end to 14-8-4 to connect truss(es) a6 (1 ply 2x4 SP), a3 (1 ply 2x6 SP), a4 (1 ply 2x6 SP), a5 (1 ply 2x10 SP) to front face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.
 - ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced); Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-C=-60, C-E=-60, F-J=-20
Concentrated Loads (lb)
Vert: G=-1083(F) K=-517(F) L=-512(F) M=-967(F) N=-967(F) O=-967(F) P=-1083(F) Q=-1145(F)

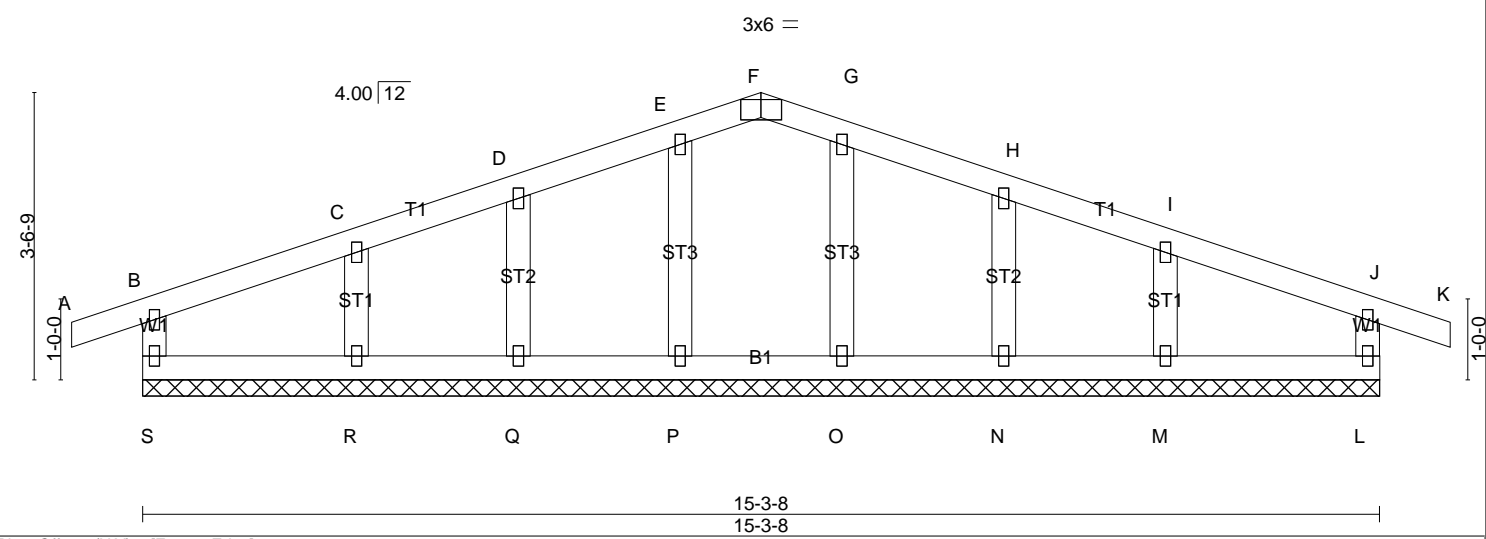
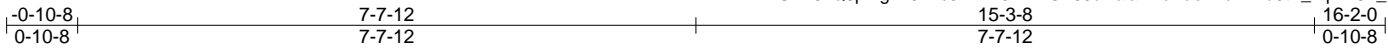


Plate Offsets (X,Y)-- [F:0-3-0,Edge]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.07	Vert(LL) -0.00 J n/r 120	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.05	Vert(CT) -0.00 K n/r 90	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 L n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-R		Weight: 69 lb FT = 20%

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

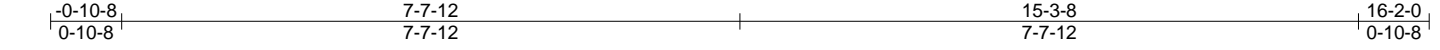
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) S=166/15-3-8, L=166/15-3-8, P=158/15-3-8, Q=153/15-3-8, R=185/15-3-8, O=158/15-3-8, N=153/15-3-8, M=185/15-3-8
 Max Horz S=23(LC 10)
 Max Uplift S=-55(LC 6), L=-56(LC 7), P=-6(LC 10), Q=-43(LC 6), R=-54(LC 10), O=-5(LC 11), N=-43(LC 7), M=-53(LC 11)
 Max Grav S=166(LC 1), L=166(LC 1), P=158(LC 1), Q=154(LC 21), R=185(LC 21), O=158(LC 1), N=154(LC 22), M=185(LC 22)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD B-S=-143/109, A-B=0/19, B-C=-41/38, C-D=-49/68, D-E=-60/101, E-F=-63/114, F-G=-63/114, G-H=-60/101, H-I=-49/68, I-J=-39/35, J-K=0/19, J-L=-143/109
 BOT CHORD R-S=0/40, Q-R=0/40, P-Q=0/40, O-P=0/40, N-O=0/40, M-N=0/40, L-M=0/40
 WEBS E-P=-117/29, D-Q=-117/83, C-R=-135/82, G-O=-117/28, H-N=-117/83, I-M=-135/82

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) 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 55 lb uplift at joint S, 56 lb uplift at joint L, 6 lb uplift at joint P, 43 lb uplift at joint Q, 54 lb uplift at joint R, 5 lb uplift at joint O, 43 lb uplift at joint N and 53 lb uplift at joint M.
 - 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



Scale = 1:28.5

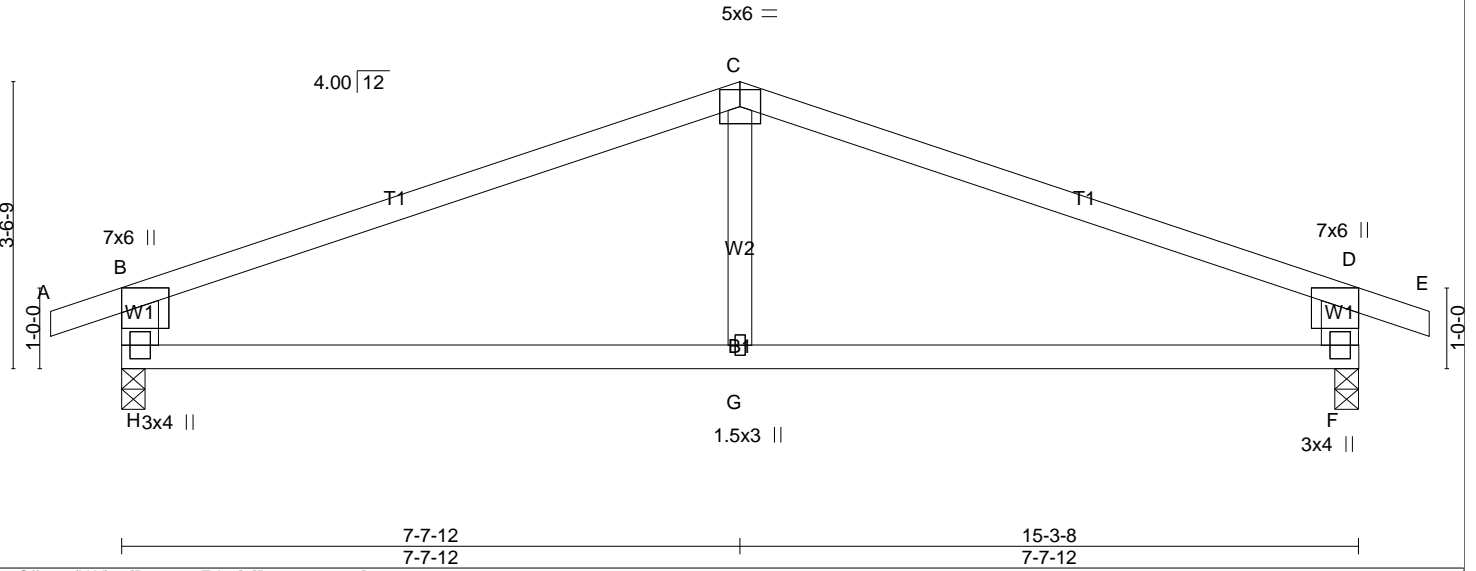


Plate Offsets (X,Y)-- [B:0-3-11,Edge], [D:0-3-11,0-0-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.95	Vert(LL) -0.09 F-G >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.48	Vert(CT) -0.19 F-G >918 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.11	Horz(CT) 0.02 F n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MR			
				Weight: 57 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x6 SP No.2 *Except*
W2: 2x4 SP No.3

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

REACTIONS. (lb/size) H=660/0-3-8, F=660/0-3-8
Max Horz H=22(LC 14)
Max Uplift H=-127(LC 6), F=-127(LC 7)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/21, B-C=-828/225, C-D=-828/225, D-E=0/21, B-H=-573/257, D-F=-573/257
BOT CHORD G-H=-91/704, F-G=-91/704
WEBS C-G=0/287

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) 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 127 lb uplift at joint H and 127 lb uplift at joint F.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

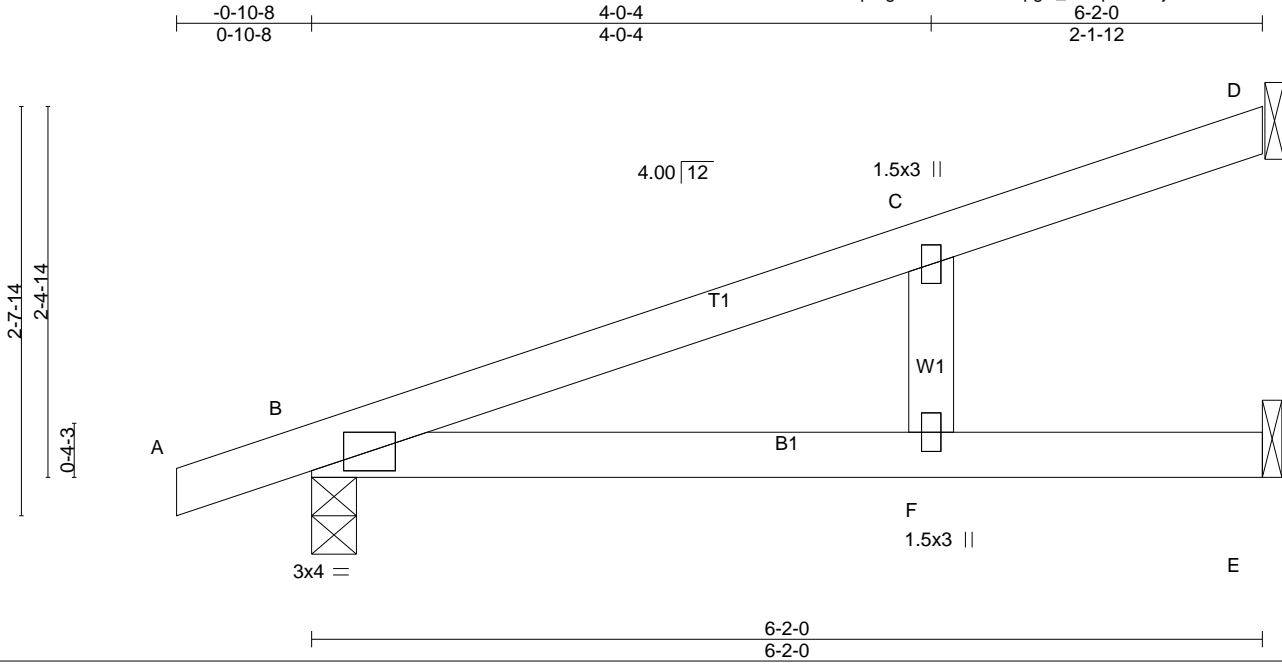
LOAD CASE(S) Standard

Job 20063650	Truss E2	Truss Type MONOPITCH	Qty 8	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

Job Reference (optional)
8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:32 2020 Page 1

ID: xhlzMnvGHv6zQ6pXlgn70Kzc57X-ftUupgR_7KOp3MtBrjFWmABVe49TyhVZqRvwAz_7TD



LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.45 BC 0.50 WB 0.03 Matrix-MSH	DEFL. in (loc) l/defl L/d Vert(LL) 0.09 F-I >836 240 Vert(CT) -0.16 F-I >452 180 Horz(CT) 0.00 B n/a n/a	PLATES GRIP MT20 244/190 Weight: 22 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. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS. (lb/size) D=132/Mechanical, B=300/0-3-8, E=109/Mechanical
Max Horz B=94(LC 6)
Max Uplift D=43(LC 10), B=68(LC 6), E=14(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/17, B-C=-74/28, C-D=-32/38
BOT CHORD B-F=0/0, E-F=0/0
WEBS C-F=-63/95

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint D, 68 lb uplift at joint B and 14 lb uplift at joint E.
 - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 20063650	Truss PA1	Truss Type Piggyback	Qty 13	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:32 2020 Page 1

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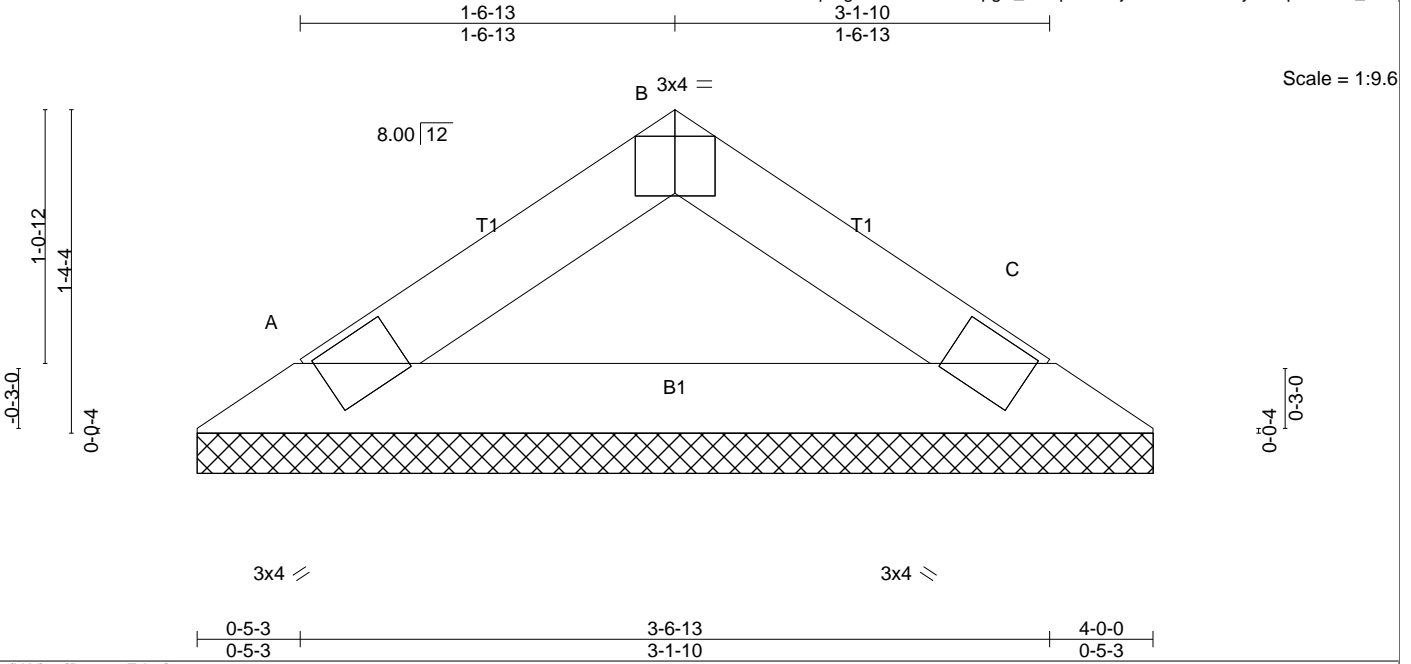


Plate Offsets (X,Y)-- [B:0-2-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.04	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.12	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 C n/a n/a		
	Code IRC2015/TPI2014			Weight: 12 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=124/4-0-0, C=124/4-0-0
Max Horz A=-26(LC 6)
Max Uplift A=-13(LC 10), C=-13(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-104/47, B-C=-104/47
BOT CHORD A-C=-14/70

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

LOAD CASE(S) Standard

Job 20063650	Truss PA2	Truss Type Piggyback	Qty 6	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

ID:xhlzMnvGHv6zQ6pXlgn70Kzc57X-732G00ScueXggWSNLrmlJNkmpUc5h7Aj35eTDcz_7TC
 8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:33 2020 Page 1
 1-6-13 1-11-13
 1-6-13 0-5-0

Scale = 1:9.7

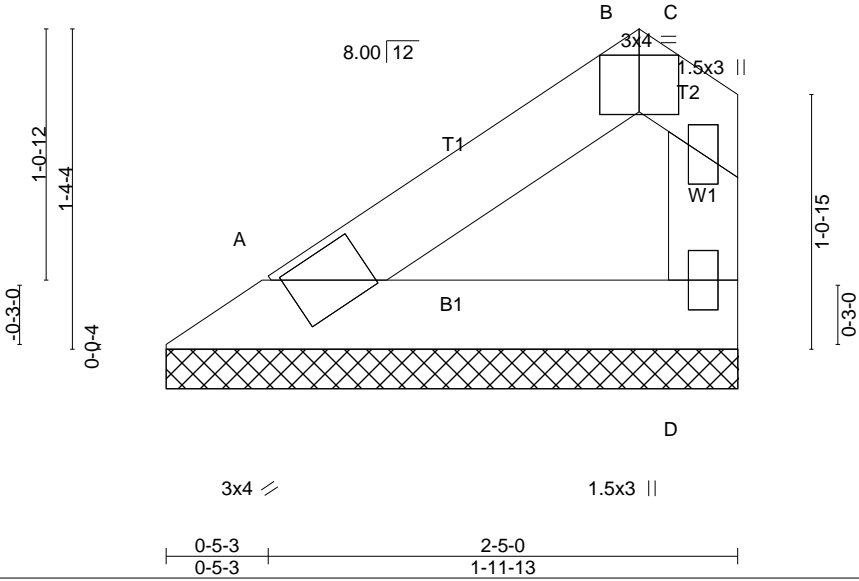


Plate Offsets (X,Y)-- [B:0-2-0,Edge]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.04	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.03	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 D n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-R		Weight: 8 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=73/2-5-0, D=73/2-5-0
 Max Horz A=37(LC 7)
 Max Uplift A=-7(LC 10), D=-15(LC 10)
 Max Grav A=73(LC 1), D=74(LC 17)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-52/16, B-C=-49/33, C-D=-48/23
 BOT CHORD A-D=-11/23

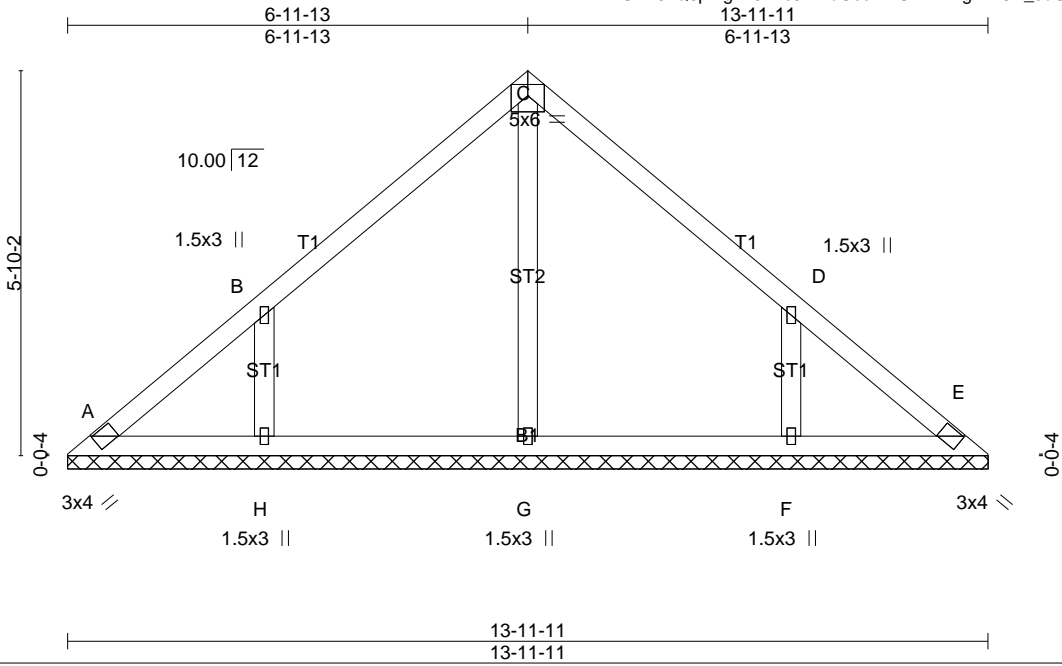
- NOTES-** (7)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed;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

LOAD CASE(S) Standard

Job 20063650	Truss V1	Truss Type Valley	Qty 1	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:34 2020 Page 1
ID: xhlzMnvGHv6zQ6pXlgn70Kzc57X-bGceEMSExfWlgl1Zv8H_sbGvLuxuQZysII00m2z_7TB



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.18	Vert(LL) n/a - n/a 999	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.12	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.09	Horz(CT) 0.00 E n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-SH		Weight: 60 lb FT = 20%

LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3	BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS. (lb/size) A=98/13-11-11, E=98/13-11-11, G=242/13-11-11, H=310/13-11-11, F=310/13-11-11
Max Horz A=-136(LC 6)
Max Uplift A=-27(LC 6), E=-1(LC 7), H=-171(LC 10), F=-171(LC 11)
Max Grav A=126(LC 18), E=106(LC 17), G=242(LC 1), H=345(LC 17), F=345(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-133/107, B-C=-145/117, C-D=-133/109, D-E=-111/67
BOT CHORD A-H=-42/98, G-H=-42/98, F-G=-42/98, E-F=-42/98
WEBS C-G=-159/0, B-H=-280/210, D-F=-280/210

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint A, 1 lb uplift at joint E, 171 lb uplift at joint H and 171 lb uplift at joint F.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

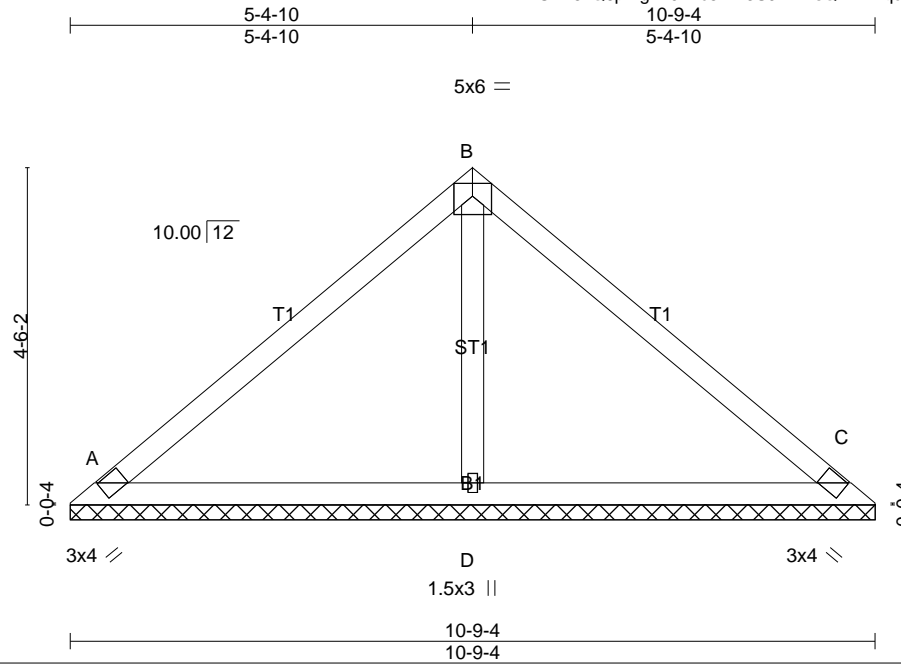
LOAD CASE(S) Standard

Job 20063650	Truss V2	Truss Type Valley	Qty 1	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

Job Reference (optional)
8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:35 2020 Page 1

ID:xlzMnvGHv6zQ6pXlgn70Kzc57X-3S91RITsQFnNwqcmTsoDOop0rIF190R0WP7aiUz_7TA



Scale = 1:30.8

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.32	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.25	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.08	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.00 C n/a n/a		
	Code IRC2015/TPI2014			Weight: 41 lb	FT = 20%

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

REACTIONS. (lb/size) A=206/10-9-4, C=206/10-9-4, D=390/10-9-4
Max Horz A=-103(LC 6)
Max Uplift A=-29(LC 11), C=-42(LC 11), D=-19(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-170/87, B-C=-162/72
BOT CHORD A-D=-22/75, C-D=-22/75
WEBS B-D=-218/62

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint A, 42 lb uplift at joint C and 19 lb uplift at joint D.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

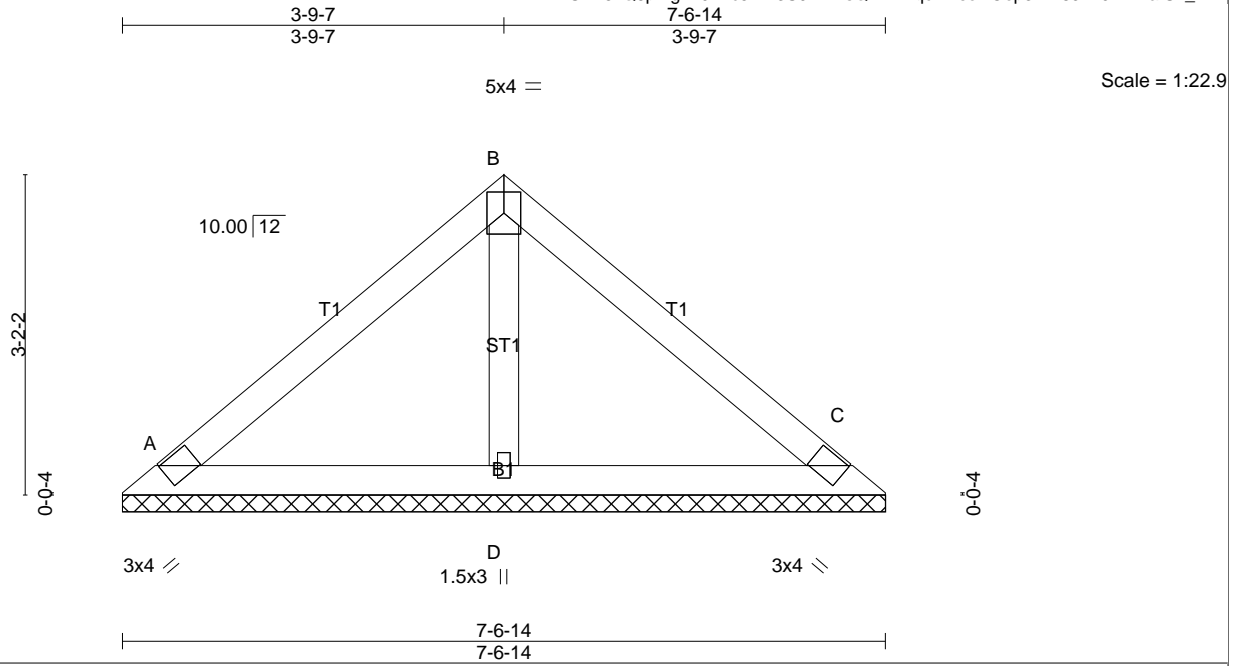
LOAD CASE(S) Standard

Job 20063650	Truss V3	Truss Type Valley	Qty 1	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8,330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:35 2020 Page 1

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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.14	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.12	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) 0.00 C n/a n/a		
	Code IRC2015/TPI2014			Weight: 28 lb	FT = 20%

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

REACTIONS. (lb/size) A=140/7-6-14, C=140/7-6-14, D=265/7-6-14
 Max Horz A=-70(LC 6)
 Max Uplift A=-20(LC 11), C=-28(LC 11), D=-13(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-116/59, B-C=-110/51
 BOT CHORD A-D=-15/51, C-D=-15/51
 WEBS B-D=-148/46

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint A, 28 lb uplift at joint C and 13 lb uplift at joint D.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

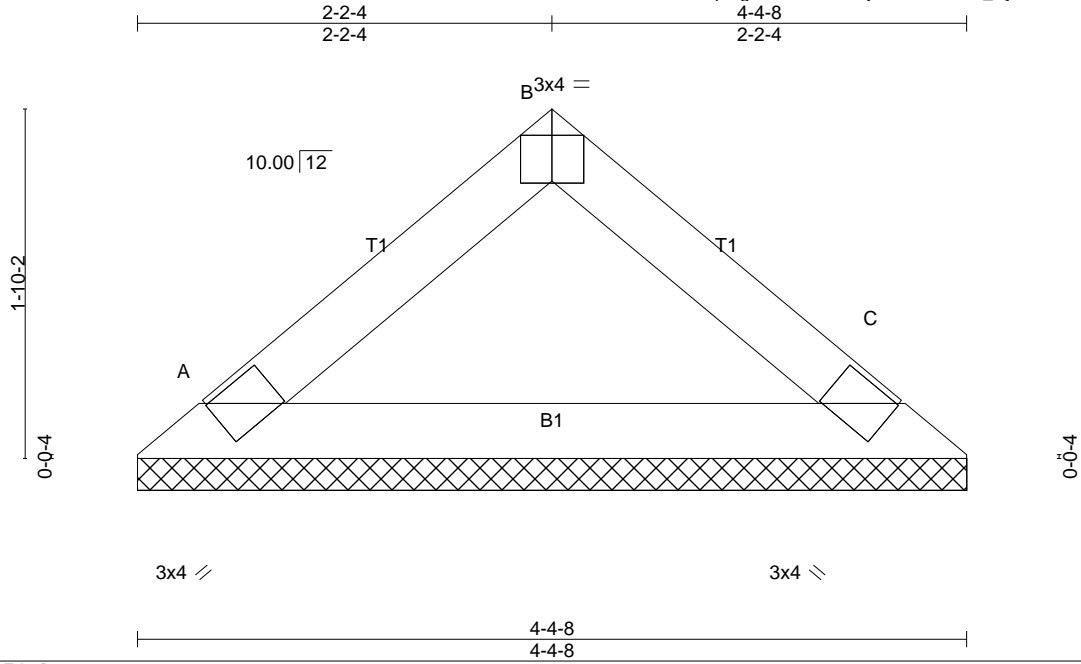
LOAD CASE(S) Standard

Job 20063650	Truss V4	Truss Type Valley	Qty 1	Ply 1	MCKEE/ NELSON CRAFTSMAN
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Rob Ferber

8.330 s Apr 7 2020 MiTek Industries, Inc. Wed Jul 8 13:32:36 2020 Page 1

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Scale = 1:12.2

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.06	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.16	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 C n/a n/a		
	Code IRC2015/TPI2014			Weight: 14 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=145/4-4-8, C=145/4-4-8
Max Horz A=-37(LC 6)
Max Uplift A=-14(LC 10), C=-14(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-113/49, B-C=-113/49
BOT CHORD A-C=-10/69

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint A and 14 lb uplift at joint C.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard