Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	A1	ATTIC	2	1	Job Reference (optional)

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

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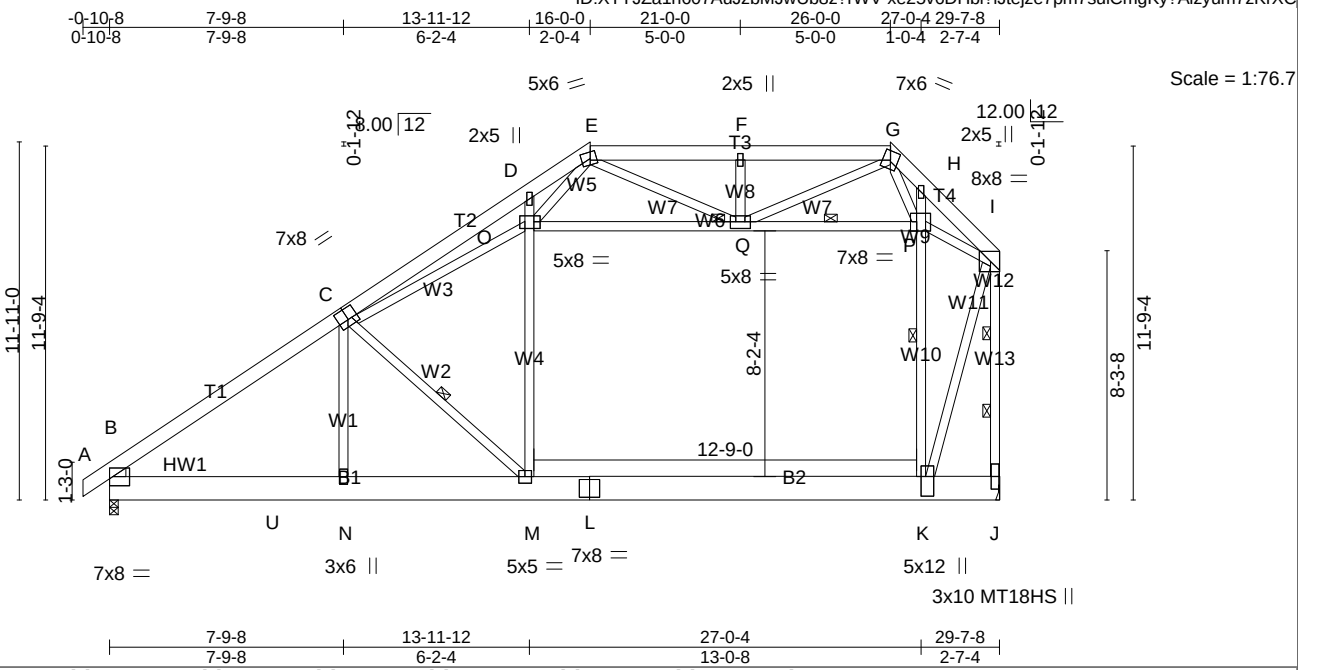

Plate Offsets (X,Y)-- [B:0-0-10,0-0-7], [B:0-4-13,0-0-14], [C:0-4-0,0-4-8], [E:0-2-8,0-2-8], [K:0-7-12,0-1-12], [O:0-2-8,0-2-8], [P:0-2-8,0-3-8]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC	0.76	Vert(LL)	-0.28	K-M	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.88	Vert(CT)	-0.46	K-M	>766	180	MT18HS	244/190
BCLL	0.0 *	Rep Stress Incr YES	WB	0.77	Horz(CT)	0.02	J	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-MSH		Attic	-0.15	K-M	1072	360	Weight: 330 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.3 *Except*
W4,W10,W11: 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-14 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): E-G.
BOT CHORD Rigid ceiling directly applied or 5-7-7 oc bracing.
WEBS 1 Row at midpt C-M, P-Q, K-P
2 Rows at 1/3 pts I-J
JOINTS 1 Brace at Jt(s): Q

REACTIONS. (lb/size) B=1272/0-3-8 (min. 0-1-11), J=1269/Mechanical
Max Horz B=353(LC 10)
Max Uplift B=-102(LC 10), J=-45(LC 10)
Max Grav B=1446(LC 18), J=1682(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/29, B-C=-1887/218, C-D=-2865/411, D-E=-2740/504, E-F=-677/226, F-G=-676/225, G-H=-328/1921, H-I=-449/2234, I-J=-2518/226
BOT CHORD B-U=-322/1596, N-U=-322/1596, M-N=-322/1595, L-M=-106/979, K-L=-106/979, J-K=-1/6
WEBS C-N=-17/332, C-M=-838/331, M-O=-16/886, D-O=-91/158, O-Q=-120/276, P-Q=-1735/285, K-P=-1403/365, H-P=-541/199, C-O=-251/1499, I-P=-2635/447, F-Q=-326/154, I-K=-343/3188, E-Q=-773/159, G-Q=-296/1394, G-P=-1963/375, E-O=-342/2018

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 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). O-Q, P-Q
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. K-M
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint B and 45 lb uplift at joint J.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	A1A	ATTIC	5	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:08:35 2019 Page 1
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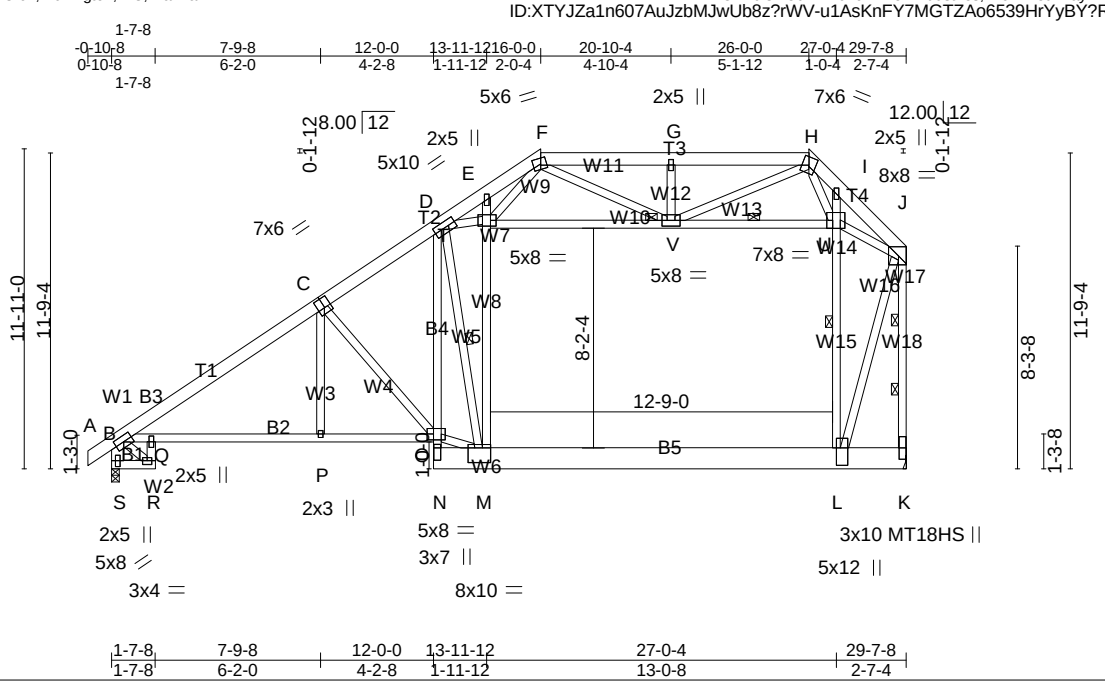

Plate Offsets (X,Y)-- [C:0-3-0,0-4-8], [F:0-2-8,0-2-8], [L:0-7-12,0-1-12], [M:0-3-0,0-6-8], [N:0-5-8,0-1-8], [O:0-2-12,0-2-8], [T:0-2-8,0-2-8], [U:0-2-8,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.28	L-M	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.48	M	>735	180	MT18HS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.13	K	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH		Attic	-0.14	L-M	1147	360	Weight: 321 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3,B4: 2x4 SP No.3, B5: 2x10 SP No.1
WEBS 2x4 SP No.3 *Except*
W8,W15,W16: 2x4 SP No.2, W1: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-10 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): F-H.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt D-M, U-V, L-U
2 Rows at 1/3 pts J-K
JOINTS 1 Brace at Jt(s): V

REACTIONS. (lb/size) S=1278/0-3-8 (min. 0-1-10), K=1259/Mechanical
Max Horz S=393(LC 7)
Max Uplift S=-120(LC 10), K=-27(LC 10)
Max Grav S=1394(LC 18), K=1662(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/40, B-C=-2063/273, C-D=-1694/306, D-E=-2795/342, E-F=-2727/379, F-G=-691/255, G-H=-690/254, H-I=-339/2004, I-J=-401/2338, J-K=-2458/205, B-S=-1397/232
BOT CHORD R-S=-261/198, Q-R=-188/138, B-Q=-237/1765, P-Q=-301/1842, O-P=-302/1841, N-O=-214/417, D-O=-327/1214, M-N=-79/282, L-M=-135/1009, K-L=-107/123
WEBS M-O=-132/1203, D-M=-2012/428, M-T=-139/1747, E-T=-21/202, T-V=-160/293, U-V=-1751/305, L-U=-1469/322, I-U=-573/163, F-T=-231/1983, H-U=-2035/408, G-V=-324/152, F-V=-791/141, H-V=-271/1430, C-O=-654/259, D-T=-202/1345, J-U=-2681/449, J-L=-238/3198, B-R=-156/257, C-P=0/281

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). T-V, U-V
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. L-M
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 120 lb uplift at joint S and 27 lb uplift at joint K.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	A2	Attic	4	1	Job Reference (optional)

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

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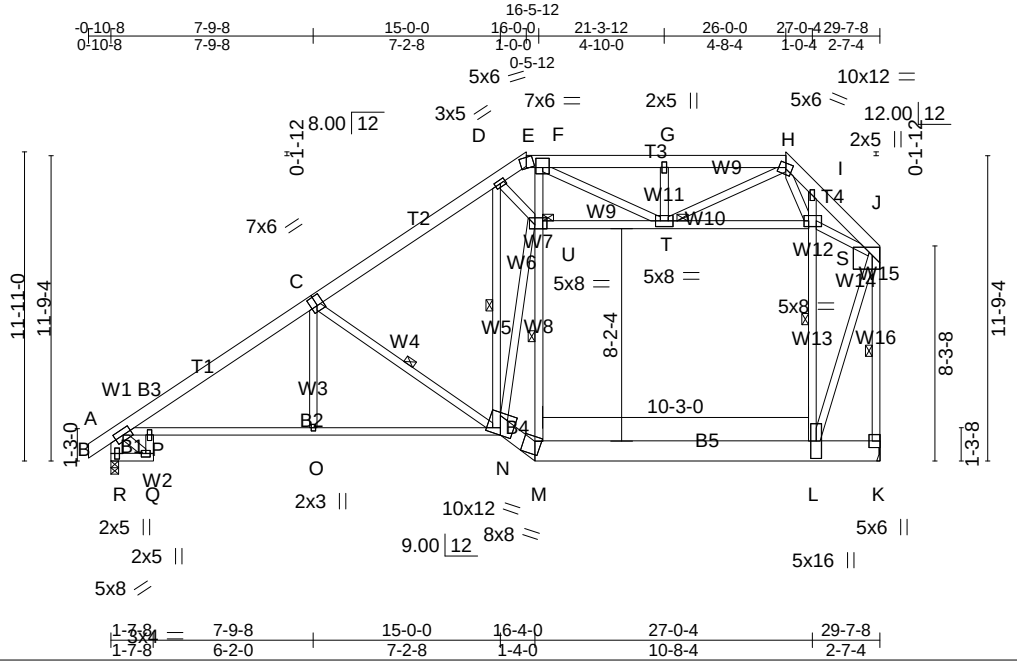

Plate Offsets (X,Y)-- [C:0-3-0,0-4-8], [F:0-3-0,0-4-4], [H:0-3-0,0-2-0], [J:0-3-5,0-3-11], [K:Edge,0-3-8], [M:0-0-1,0-2-13], [N:0-6-0,0-3-5], [S:0-2-0,0-2-8], [U:0-2-8,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	-0.16	L-M	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.33	N-O	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.11	K	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH		Attic	-0.08	L-M	1682	360	Weight: 312 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP No.3, B5: 2x10 SP No.1, B4: 2x8 SP No.2
WEBS 2x4 SP No.3 *Except*
W8,W13: 2x4 SP No.2, W1: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-13 oc purlins, except end verticals, and 2-0-0 oc purlins (5-5-0 max.): E-H.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: Q-R,P-Q.
WEBS 1 Row at midpt C-N, M-U, L-S, J-K, D-N
JOINTS 1 Brace at Jt(s): T, U

REACTIONS. (lb/size) R=1266/0-3-8 (min. 0-1-9), K=1247/Mechanical
Max Horz R=393(LC 7)
Max Uplift R=-127(LC 10), K=-34(LC 10)
Max Grav R=1306(LC 18), K=1571(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/40, B-C=-1916/285, C-D=-1400/294, D-E=-1846/364, E-F=-1646/308, F-G=-1022/295, G-H=-1022/295, H-I=-316/1196, I-J=-379/1430, J-K=-2092/212, B-R=-1307/238
BOT CHORD Q-R=-247/186, P-Q=-180/132, B-P=-249/1652, O-P=-310/1724, N-O=-310/1723, L-M=-138/783, K-L=-108/123, M-N=-186/952
WEBS C-O=0/323, C-N=-722/279, M-U=-524/210, F-U=-183/1102, L-S=-1295/311, I-S=-425/164, T-U=-172/934, S-T=-1089/229, G-T=-355/153, F-T=-881/125, H-T=-266/1450, H-S=-1596/388, J-S=-1769/343, D-U=-163/955, D-N=-974/201, J-L=-247/2457, N-U=-354/2015, B-Q=-148/245

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). T-U, S-T
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. L-M
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 127 lb uplift at joint R and 34 lb uplift at joint K.
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	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	A3	ATTIC	3	1	Job Reference (optional)

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

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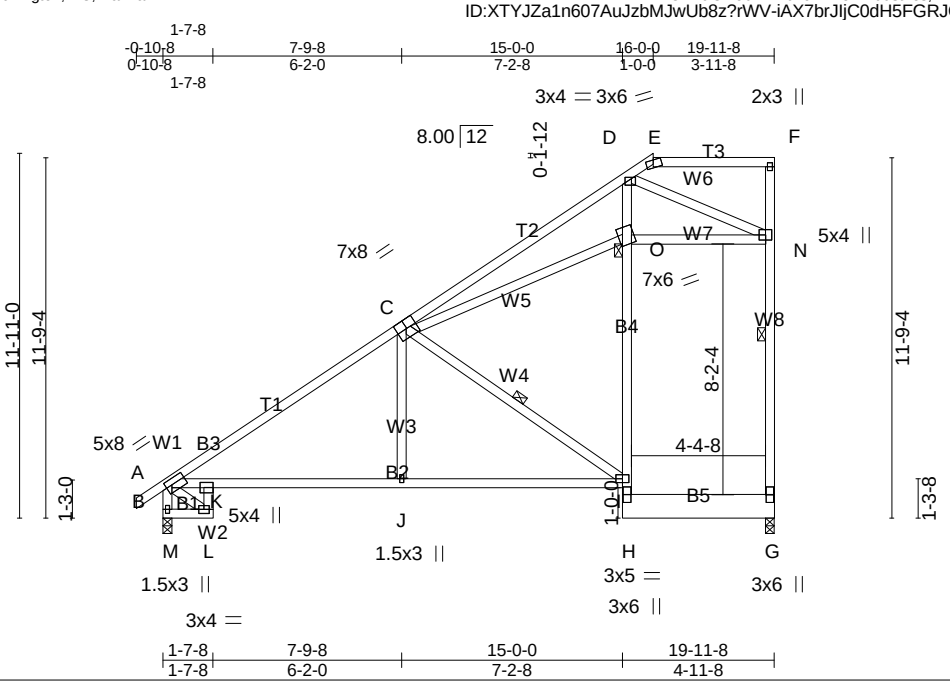

Plate Offsets (X,Y)-- [B:0-2-9,0-2-4], [D:0-2-8,0-0-8], [K:0-2-0,0-1-8], [O:0-0-9,0-0-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	0.30	J-K	>787	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.30	J-K	>788	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.17	G	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH							Weight: 160 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3,B4: 2x4 SP No.3, B5: 2x10 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-12 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): E-F.
BOT CHORD Rigid ceiling directly applied or 7-5-9 oc bracing.
WEBS 1 Row at midpt F-G, C-I
JOINTS 1 Brace at Jt(s): F, O

REACTIONS. (lb/size) G=785/0-3-8 (min. 0-1-8), M=850/0-3-8 (min. 0-1-8)
Max Horz M=413(LC 10)
Max Uplift G=-215(LC 10), M=-29(LC 10)
Max Grav G=842(LC 18), M=850(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/36, B-C=-1082/88, C-D=-1833/516, D-E=-75/38, E-F=-10/23, G-N=-714/267, F-N=-127/59, B-M=-842/81
BOT CHORD L-M=-454/418, K-L=-273/232, B-K=-226/763, J-K=-371/887, I-J=-371/883, H-I=0/127, I-O=-158/740, D-O=-355/1305, G-H=-5/14
WEBS C-J=0/354, C-I=-1048/447, B-L=-310/399, N-O=-489/1445, D-N=-1619/542, C-O=-535/1531

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 exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint G and 29 lb uplift at joint M.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	A4	ROOF TRUSS	1	1	Job Reference (optional)

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

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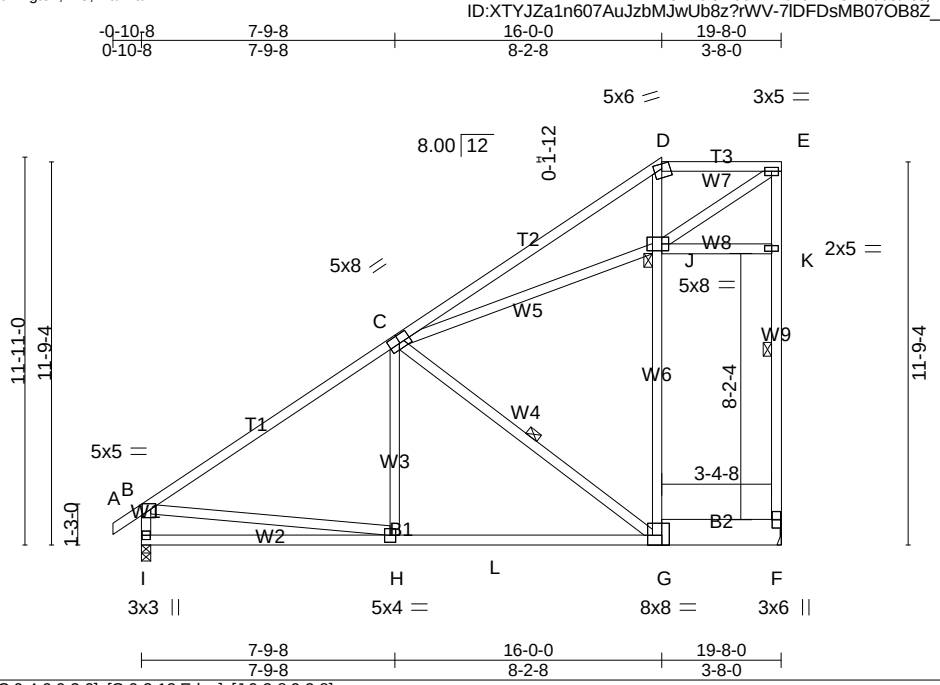

Plate Offsets (X,Y)-- [B:0-3-4,Edge], [C:0-4-0,0-3-0], [G:0-2-12,Edge], [J:0-2-8,0-2-8]

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	0.91	Vert(LL)	-0.17	G-H	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.29	G-H	>801	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	-0.01	F	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH							Weight: 165 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T2: 2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except*
B2: 2x10 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-2-3 max.): D-E.
BOT CHORD Rigid ceiling directly applied or 8-1-8 oc bracing.
WEBS 1 Row at midpt E-F, C-G
JOINTS 1 Brace at Jt(s): J, E

REACTIONS. (lb/size) F=773/Mechanical, I=838/0-3-8 (min. 0-1-8)
Max Horz I=414(LC 10)
Max UpliftF=-219(LC 10), I=-27(LC 10)
Max GravF=917(LC 18), I=850(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/34, B-C=-934/1, C-D=-1560/301, D-E=-1205/319, F-K=-873/250, E-K=-873/250, B-I=-790/84
BOT CHORD H-I=-514/583, H-L=-293/780, G-L=-293/780, F-G=-6/14
WEBS C-H=0/300, C-G=-980/366, G-J=-124/917, D-J=-11/500, B-H=0/509, J-K=-33/11, E-J=-391/1489, C-J=-332/1296

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 exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 219 lb uplift at joint F and 27 lb uplift at joint I.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	A5	ROOF TRUSS	1	1	Job Reference (optional)

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

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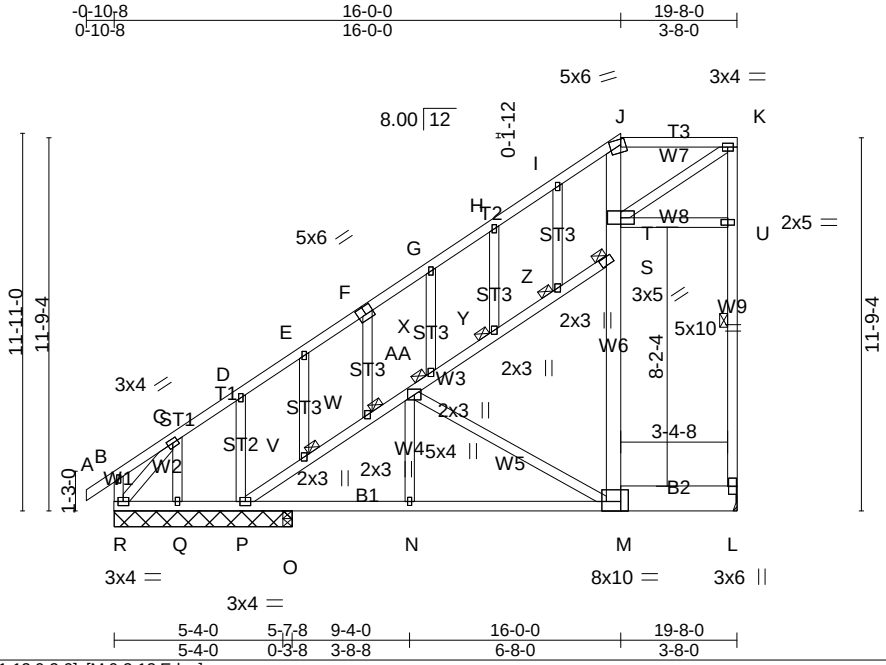

Plate Offsets (X,Y)-- [F:0-3-0,0-3-0], [J:0-1-12,0-2-0], [M:0-2-12,Edge]

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	0.68	Vert(LL)	-0.09	M-N	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.21	M-N	>811	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.01	O	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH							Weight: 201 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B2: 2x10 SP No.1
WEBS 2x4 SP No.3 *Except*
W6: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): J-K.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt K-L
JOINTS 1 Brace at Jt(s): S, K, V, W, X, Y, Z

REACTIONS. (lb/size) L=753/Mechanical, R=921/5-7-8 (min. 0-1-8), P=105/5-7-8 (min. 0-1-8), Q=-254/5-7-8 (min. 0-1-8), O=86/0-3-8 (min. 0-1-8)
Max Horz R=414(LC 10)
Max Uplift L=-183(LC 10), P=-124(LC 10), Q=-296(LC 20)
Max Grav L=782(LC 18), R=921(LC 1), P=115(LC 18), O=119(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/34, B-C=-112/64, C-D=-758/0, D-E=-825/0, E-F=-760/0, F-G=-774/38, G-H=-831/137, H-I=-787/161, I-J=-765/194, J-K=-885/269, L-U=-691/223, K-U=-691/223, B-R=-181/104
BOT CHORD Q-R=-203/666, P-Q=-203/666, O-P=-191/470, N-O=-191/470, M-N=-191/470, L-M=-6/24
WEBS C-R=-925/0, M-S=-17/368, S-T=-181/861, J-T=-1/244, P-V=-31/257, V-W=-38/263, W-AA=-88/321, X-AA=-143/635, X-Y=-229/775, Y-Z=-241/792, S-Z=-260/825, T-U=-43/9, K-T=-327/1099, C-Q=0/325, D-P=-245/147, E-V=-15/13, F-W=-148/103, G-X=-251/167, H-Y=-31/21, I-Z=-59/40, M-AA=-536/220, N-AA=0/238

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 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 1.5x3 MT20 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 183 lb uplift at joint L, 124 lb uplift at joint P and 296 lb uplift at joint Q.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	A6	PIGGYBACK BASE	1	1	Job Reference (optional)

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

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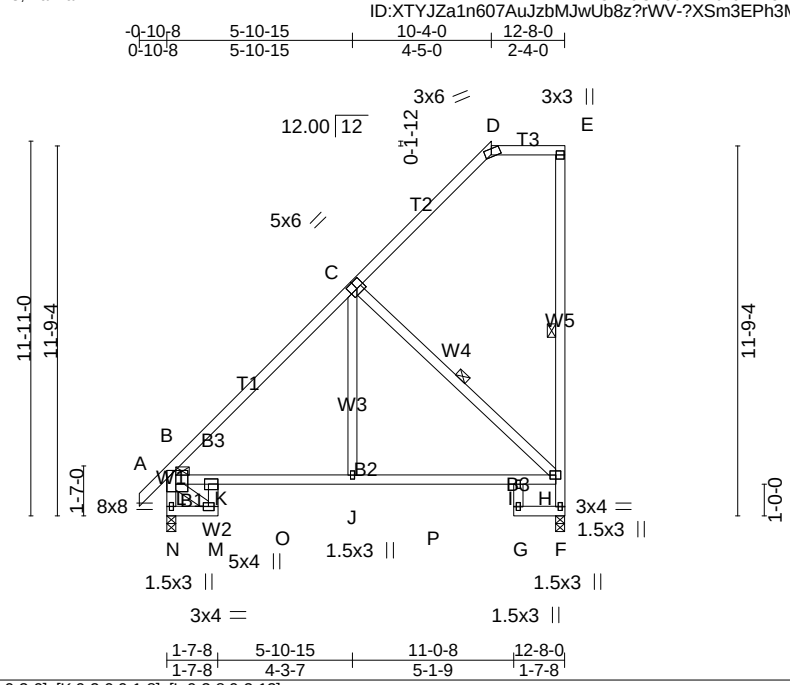

Plate Offsets (X,Y)-- [B:0-1-12,0-1-12], [C:0-3-0,0-3-0], [K:0-2-0,0-1-8], [L:0-3-8,0-2-12]

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	0.53	Vert(LL)	0.14	J-K	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	0.13	J-K	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.06	F	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH							Weight: 94 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) F=492/0-3-8 (min. 0-1-8), N=559/0-3-8 (min. 0-1-8)
Max Horz N=406(LC 10)
Max UpliftF=-261(LC 10)
Max GravF=559(LC 17), N=570(LC 17)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/43, B-C=-558/0, C-D=-173/25, D-E=-17/7, F-H=-543/318, E-H=-163/114, L-N=-565/0, B-L=-540/57
BOT CHORD M-N=-496/343, K-M=-264/183, K-L=-95/357, K-O=-260/424, J-O=-260/424, J-P=-260/423, I-P=-260/423, H-I=-276/444, G-I=-1/11, F-G=-29/16
WEBS C-J=-25/307, C-H=-563/349, L-M=-253/411

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 exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 261 lb uplift at joint F.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	A6A	PIGGYBACK BASE	1	1	Job Reference (optional)

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

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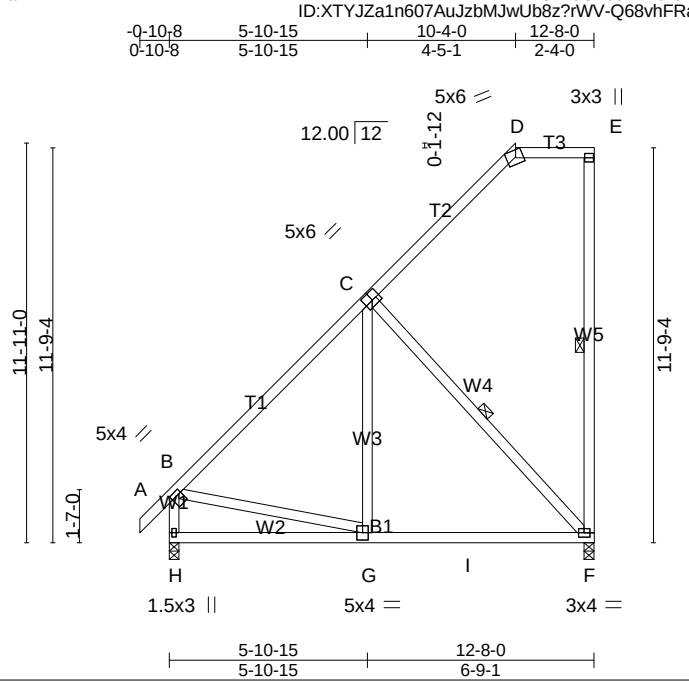

Scale = 1:68.7

Plate Offsets (X,Y)-- [B:0-0-12,0-1-8], [C:0-3-0,0-3-0], [D:0-2-10,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	0.52	Vert(LL)	-0.06	F-G	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.11	F-G	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	-0.01	F	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH							Weight: 97 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, and 2-0-0 oc purlins (6-0-0 max.): D-E.
BOT CHORD Rigid ceiling directly applied or 8-2-12 oc bracing.
WEBS 1 Row at midpt E-F, C-F

REACTIONS. (lb/size) F=492/0-3-8 (min. 0-1-8), H=559/0-3-8 (min. 0-1-8)
Max Horz H=406(LC 10)
Max Uplift F=-261(LC 10)
Max Grav F=545(LC 17), H=559(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/43, B-C=-470/0, C-D=-168/31, D-E=-11/8, E-F=-164/120, B-H=-510/0
BOT CHORD G-H=-505/440, G-I=-204/351, F-I=-204/351
WEBS C-G=0/257, C-F=-505/293, B-G=-90/326

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 exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 261 lb uplift at joint F.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	A7	PIGGYBACK BASE	5	1	Job Reference (optional)

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

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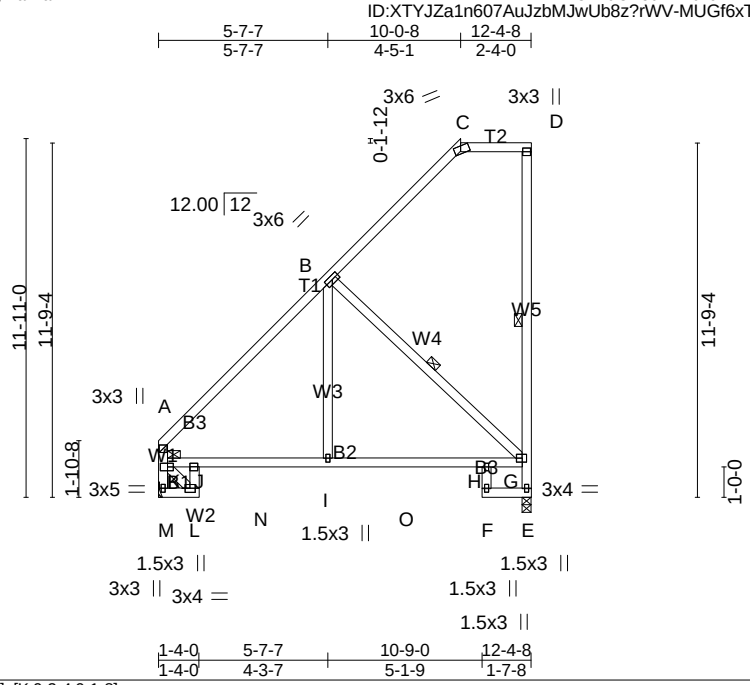

1-4-0 5-7-7 10-9-0 12-4-8
1-4-0 4-3-7 5-1-9 1-7-8

Plate Offsets (X,Y)-- [G:0-2-4,0-1-8], [J:0-1-8,0-0-0], [K: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	0.55	Vert(LL)	0.11	I-J	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	0.11	I-J	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.06	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 *Except*
B3: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) E=483/0-3-8 (min. 0-1-8), M=483/Mechanical
Max Horz M=357(LC 10)
Max UpliftE=-260(LC 10)
Max GravE=549(LC 17), M=501(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-529/0, B-C=-174/27, C-D=-18/7, E-G=-539/320, D-G=-166/117, K-M=-501/0, A-K=-452/6
BOT CHORD L-M=-464/320, J-L=-317/235, J-K=-108/386, J-N=-264/419, I-N=-264/419, I-O=-264/419, H-O=-264/419, G-H=-280/442, F-H=-2/10, E-F=-32/16
WEBS B-I=-29/287, B-G=-553/351, K-L=-284/423

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 exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 260 lb uplift at joint E.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	A8	ROOF TRUSS	2	1	Job Reference (optional)

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

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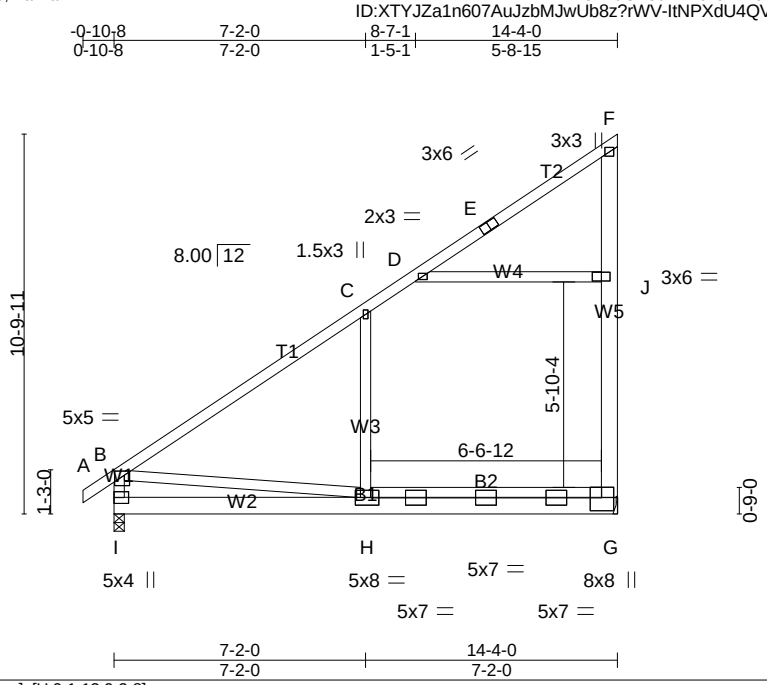

Plate Offsets (X,Y)-- [B:0-1-12,0-1-8], [G:0-3-8,Edge], [H:0-1-12,0-2-8]

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	0.96	Vert(LL)	0.34	H-I	>499	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.56	H-I	>301	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.01	G	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH		Attic	-0.31	G-H	537	360	Weight: 121 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B1: 2x6 SP No.1
WEBS 2x4 SP No.3 *Except*
W5: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-3-1 oc bracing.

REACTIONS. (lb/size) G=608/Mechanical, I=639/0-3-8 (min. 0-1-8)
Max Horz I=370(LC 10)
Max Uplift G=-215(LC 10)
Max Grav G=964(LC 18), I=702(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/34, B-C=-523/134, C-D=-288/42, D-E=-291/433, E-F=-278/471, G-J=-413/213, F-J=-385/229, B-I=-447/0
BOT CHORD H-I=-884/1096, G-H=-230/384
WEBS C-H=-220/227, B-H=-718/660, D-J=-635/178

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) Ceiling dead load (5.0 psf) on member(s). C-D, D-J
5) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. G-H
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint G.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	A9	ROOF TRUSS	1	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:08:57 2019 Page 1
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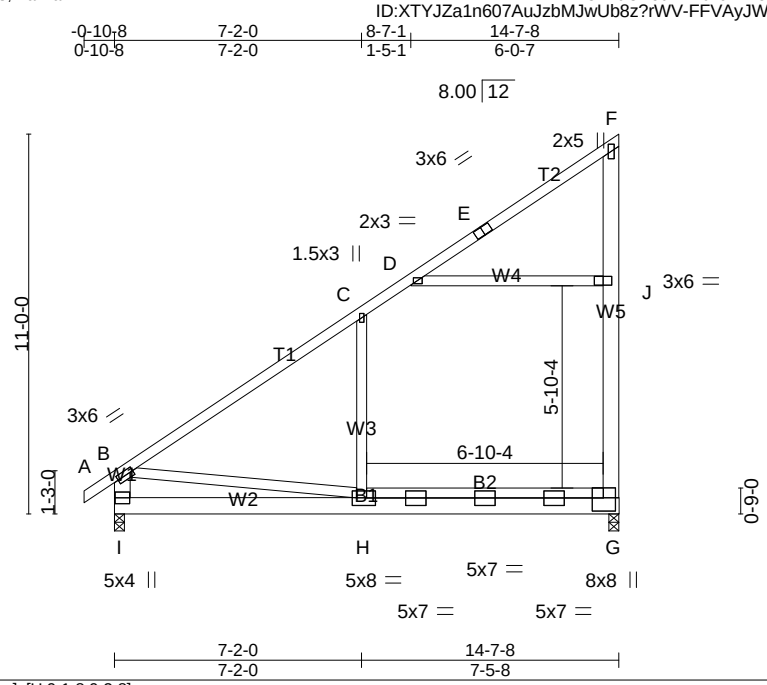

Plate Offsets (X,Y)-- [B:0-1-0,0-1-8], [G:0-3-8,Edge], [H:0-1-8,0-2-8]

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	0.87	Vert(LL)	0.35	H-I	>493	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.57	H-I	>296	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.01	G	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH		Attic	-0.32	G-H	542	360	Weight: 124 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B1: 2x6 SP No.1
WEBS 2x4 SP No.3 *Except*
W5: 2x6 SP No.1, W1: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-1-11 oc bracing.

REACTIONS. (lb/size) G=618/0-3-8 (min. 0-1-8), I=654/0-3-8 (min. 0-1-8)
Max Horz I=376(LC 10)
Max Uplift G=-219(LC 10)
Max Grav G=985(LC 18), I=723(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/37, B-C=-536/131, C-D=-301/39, D-E=-298/431, E-F=-284/472, G-J=-424/220, F-J=-395/237, B-I=-451/0
BOT CHORD H-I=-905/1163, G-H=-235/393
WEBS C-H=-219/225, B-H=-778/677, D-J=-638/180

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) Ceiling dead load (5.0 psf) on member(s). C-D, D-J
5) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. G-H
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 219 lb uplift at joint G.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	A10	ROOF TRUSS	2	1	Job Reference (optional)

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

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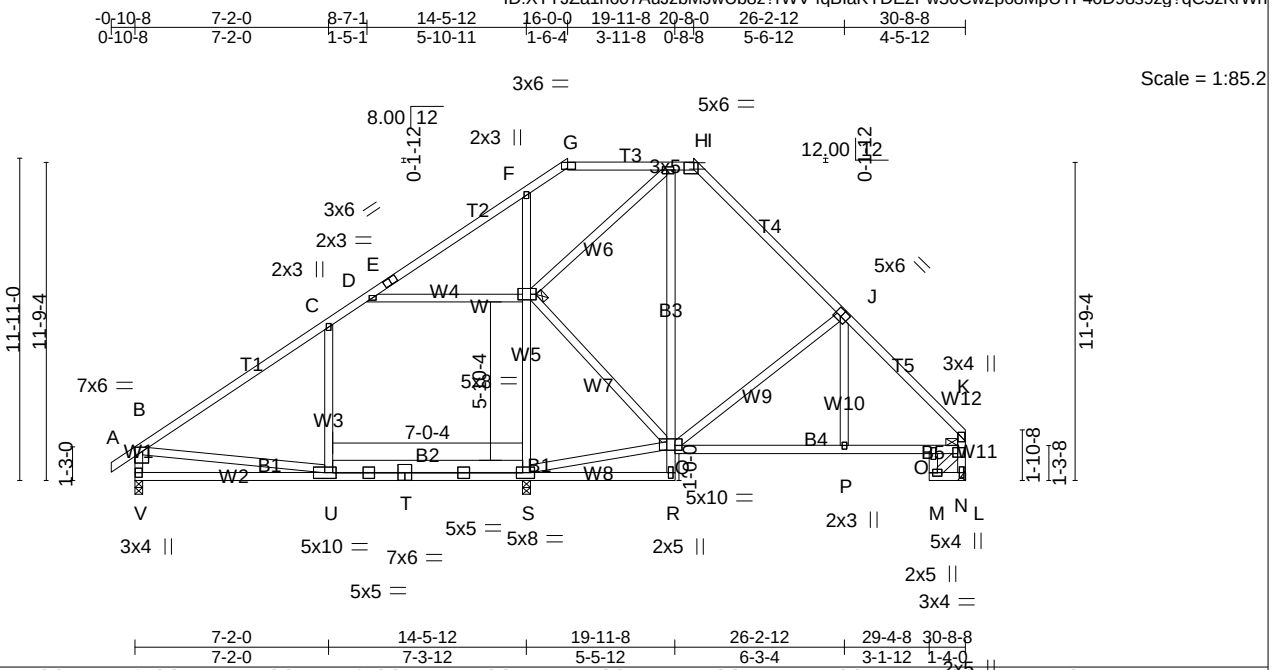

Plate Offsets (X,Y)-- [B:0-2-8,0-1-12], [G:0-3-6,Edge], [H:0-2-0,0-1-8], [I:0-4-4,Edge], [J:0-3-0,0-3-0], [N:0-2-8,0-2-0], [Q:0-3-4,0-2-0], [S:0-1-12,0-2-8], [T:0-3-0,0-0-5], [W:0-2-8,0-2-8]

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	0.87	Vert(LL)	-0.19	U	>899	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.35	U-V	>485	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.02	L	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH		Attic	-0.10	S-U	919	360	Weight: 235 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3,B5: 2x4 SP No.3, B2: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
W1,W12: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): G-I.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): N, W

REACTIONS. (lb/size) V=899/0-3-8 (min. 0-1-8), L=860/Mechanical, S=809/0-3-8 (min. 0-1-8)
Max Horz V=315(LC 7)
Max UpliftV=-114(LC 10), L=-51(LC 10), S=-42(LC 11)
Max GravV=1057(LC 18), L=860(LC 1), S=864(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/34, B-C=-1154/142, C-D=-826/202, D-E=-128/221, E-F=-106/363, F-G=-27/165, G-H=0/221, H-I=-501/251, I-J=-741/248, J-K=-965/169, B-V=-964/182, L-N=-856/133, K-N=-751/145
BOT CHORD U-V=-347/671, T-U=-172/1018, S-T=-172/1018, R-S=-63/0, Q-R=-3/73, H-Q=-219/852, P-Q=0/625, O-P=0/625, N-O=0/718, M-O=-106/9, L-M=-222/7
WEBS C-U=0/333, S-W=-750/174, F-W=-450/195, Q-S=-167/1102, Q-W=-701/299, J-Q=-331/229, B-U=0/491, D-W=-1143/361, H-W=-917/257, M-N=-1/178, J-P=0/189

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). C-D, D-W
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. S-U
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 114 lb uplift at joint V, 51 lb uplift at joint L and 42 lb uplift at joint S.
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 SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	A11	ROOF TRUSS	2	1	Job Reference (optional)

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

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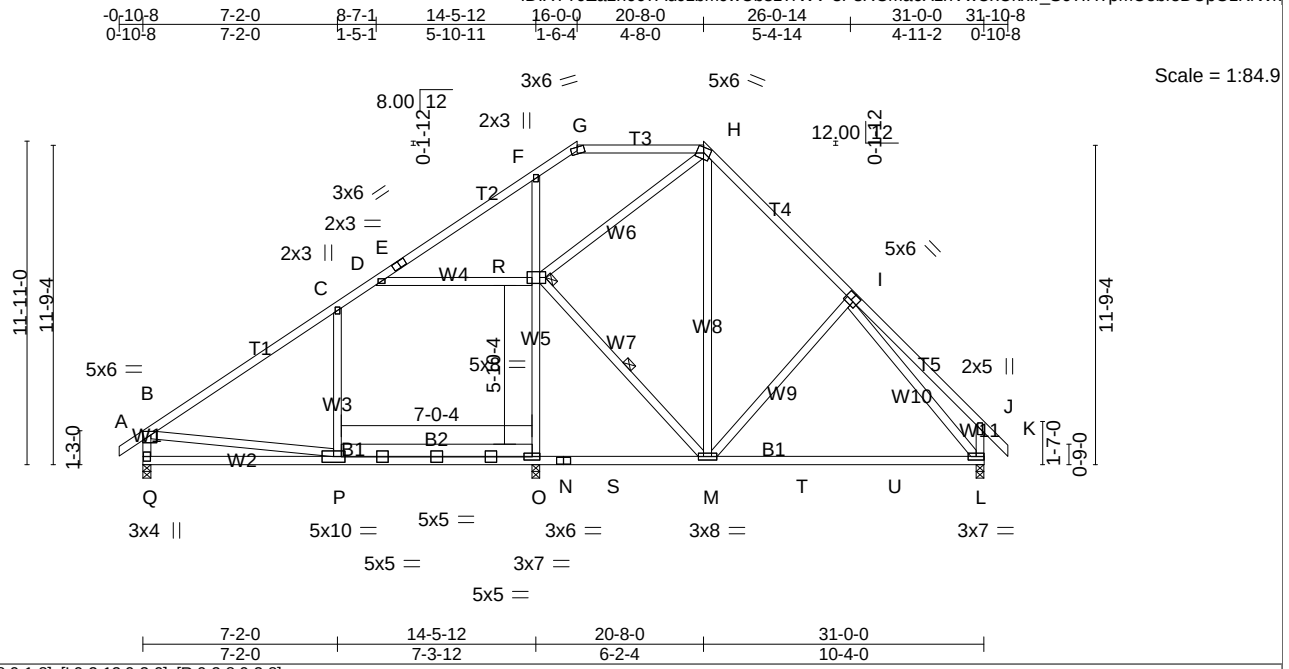

Plate Offsets (X,Y)-- [B:0-3-8,0-1-8], [I:0-2-12,0-3-0], [R:0-2-8,0-2-8]

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	0.82	Vert(LL)	-0.28	L-M	>714	240	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.87	Vert(CT)	-0.51	L-M	>384	180		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.94	Horz(CT)	0.03	L	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-MSH		Attic	-0.08	O-P	1094	360	Weight: 233 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1 *Except*
B2: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
W1: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): G-H.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt M-R
JOINTS 1 Brace at Jt(s): R

REACTIONS. (lb/size) Q=1068/0-3-8 (min. 0-1-8), O=507/0-3-8 (min. 0-1-8), L=1079/0-3-8 (min. 0-1-8)
Max Horz Q=320(LC 9)
Max Uplift Q=-112(LC 10), O=-111(LC 11), L=-52(LC 10)
Max Grav Q=1219(LC 18), O=728(LC 19), L=1123(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/34, B-C=-1400/155, C-D=-1082/217, D-E=-250/140, E-F=-224/177, F-G=-200/142, G-H=-144/130, H-I=-966/281, I-J=-374/199, J-K=0/43, B-Q=-1127/190, J-L=-396/218
BOT CHORD P-Q=-332/673, O-P=-196/1238, N-O=-193/1238, N-S=-193/1238, M-S=-193/1238, M-T=-7/689, T-U=-7/689, L-U=-7/689
WEBS C-P=0/320, O-R=-353/173, F-R=-309/186, M-R=-831/301, H-M=-200/856, I-M=-250/281, B-P=0/688, I-L=-852/74, D-R=-1152/359, H-R=-752/245

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). C-D, D-R
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. O-P
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint Q, 111 lb uplift at joint O and 52 lb uplift at joint L.
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 SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	A12	Piggyback Base Supported Gable	1	1	Job Reference (optional)

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

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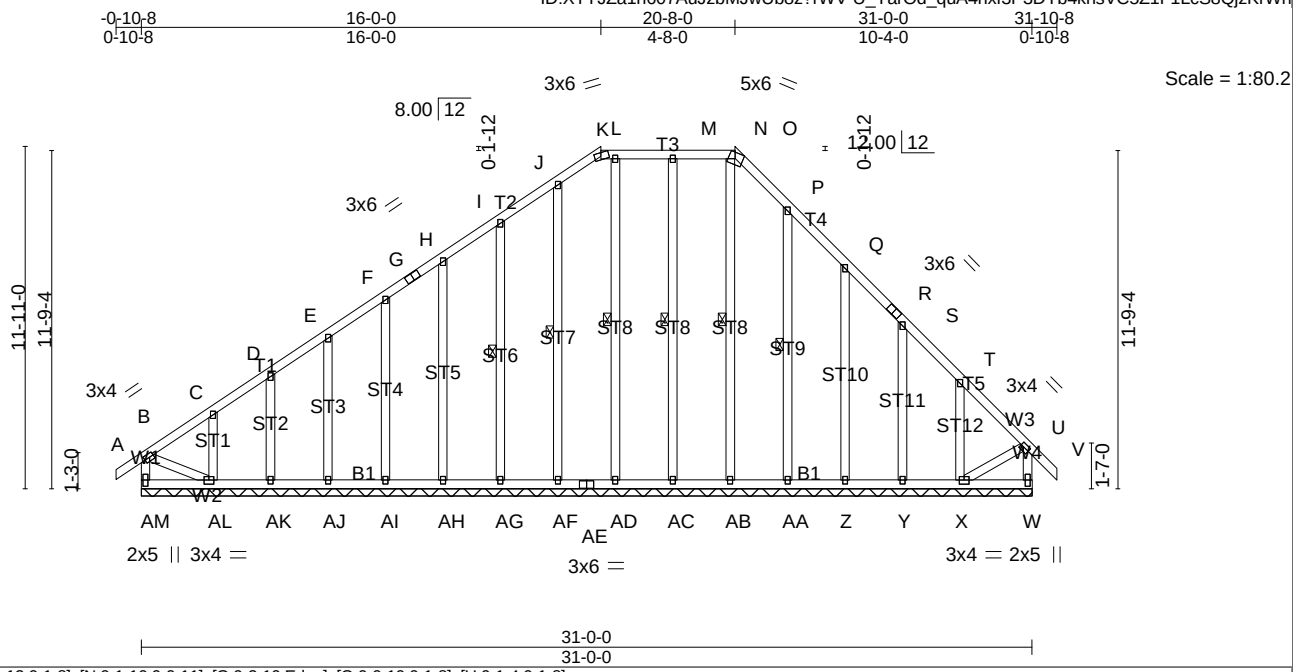

Plate Offsets (X,Y)-- [B:0-1-12,0-1-8], [N:0-1-10,0-0-11], [O:0-2-10,Edge], [O:0-0-10,0-1-8], [U:0-1-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	-0.00	V	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.00	V	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01	X	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 272 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W4: 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): K-O.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt J-AF, I-AG, L-AD, M-AC, N-AB, P-AA

REACTIONS. (lb/size) AM=174/31-0-0 (min. 0-3-1), W=182/31-0-0 (min. 0-3-1), AF=155/31-0-0 (min. 0-3-1), AG=161/31-0-0 (min. 0-3-1), AH=160/31-0-0 (min. 0-3-1), AI=160/31-0-0 (min. 0-3-1), AJ=161/31-0-0 (min. 0-3-1), AK=155/31-0-0 (min. 0-3-1), AL=171/31-0-0 (min. 0-3-1), AD=152/31-0-0 (min. 0-3-1), AC=163/31-0-0 (min. 0-3-1), AB=141/31-0-0 (min. 0-3-1), AA=159/31-0-0 (min. 0-3-1), Z=162/31-0-0 (min. 0-3-1), Y=155/31-0-0 (min. 0-3-1), X=169/31-0-0 (min. 0-3-1)
Max Horz AM=320(LC 9)
Max Uplift AM=-114(LC 6), W=-54(LC 7), AF=-22(LC 10), AG=-72(LC 10), AH=-63(LC 10), AI=-64(LC 10), AJ=-64(LC 10), AK=-61(LC 10), AL=-180(LC 10), AD=-11(LC 7), AC=-42(LC 6), AA=-80(LC 11), Z=-114(LC 11), Y=-103(LC 11), X=-239(LC 11)
Max Grav AM=258(LC 18), W=255(LC 20), AF=171(LC 17), AG=171(LC 17), AH=170(LC 17), AI=170(LC 17), AJ=172(LC 17), AK=163(LC 17), AL=252(LC 17), AD=168(LC 20), AC=167(LC 22), AB=173(LC 20), AA=178(LC 18), Z=185(LC 18), Y=176(LC 18), X=249(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD B-AM=-235/124, A-B=0/34, B-C=-258/207, C-D=-193/179, D-E=-164/158, E-F=-147/144, F-G=-130/133, G-H=-118/140, H-I=-134/173, I-J=-188/230, J-K=-210/254, K-L=-187/232, L-M=-191/239, M-N=-191/239, N-O=-183/226, O-P=-238/287, P-Q=-171/210, Q-R=-66/101, R-S=-79/85, S-T=-110/71, T-U=-212/135, U-V=0/43, U-W=-233/113
BOT CHORD AL-AM=-298/300, AK-AL=-133/230, AJ-AK=-133/230, AI-AJ=-133/230, AH-AI=-133/230, AG-AH=-133/230, AF-AG=-133/230, AE-AF=-133/230, AD-AE=-133/230, AC-AD=-133/230, AB-AC=-133/230, AA-AB=-133/230, Z-AA=-133/230, Y-Z=-133/230, X-Y=-133/230, W-X=-15/35
WEBS J-AF=-131/46, I-AG=-137/96, H-AH=-130/87, F-AI=-130/88, E-AJ=-131/88, D-AK=-127/85, C-AL=-150/99, L-AD=-128/35, M-AC=-127/71, N-AB=-137/72, P-AA=-138/104, Q-Z=-169/138, S-Y=-152/126, T-X=-190/143, B-AL=-203/266, U-X=-157/244

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x3 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 114 lb uplift at joint AM, 54 lb uplift at joint W, 22 lb uplift at joint AF, 72 lb uplift at joint AG, 63 lb uplift at joint AH, 64 lb uplift at joint AI, 64 lb uplift at joint AJ, 61 lb uplift at joint AK, 180 lb uplift at joint AL, 11 lb uplift at joint AD, 42 lb uplift at joint AC, 80 lb uplift at joint AA, 114 lb uplift at joint Z, 103 lb uplift at joint Y and 239 lb uplift at joint X.
12) 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.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
69018829	B1	Piggyback Base Girder	1	3	MCKEE/ CLARK II A LHG CLASSIC

Job Reference (optional)

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

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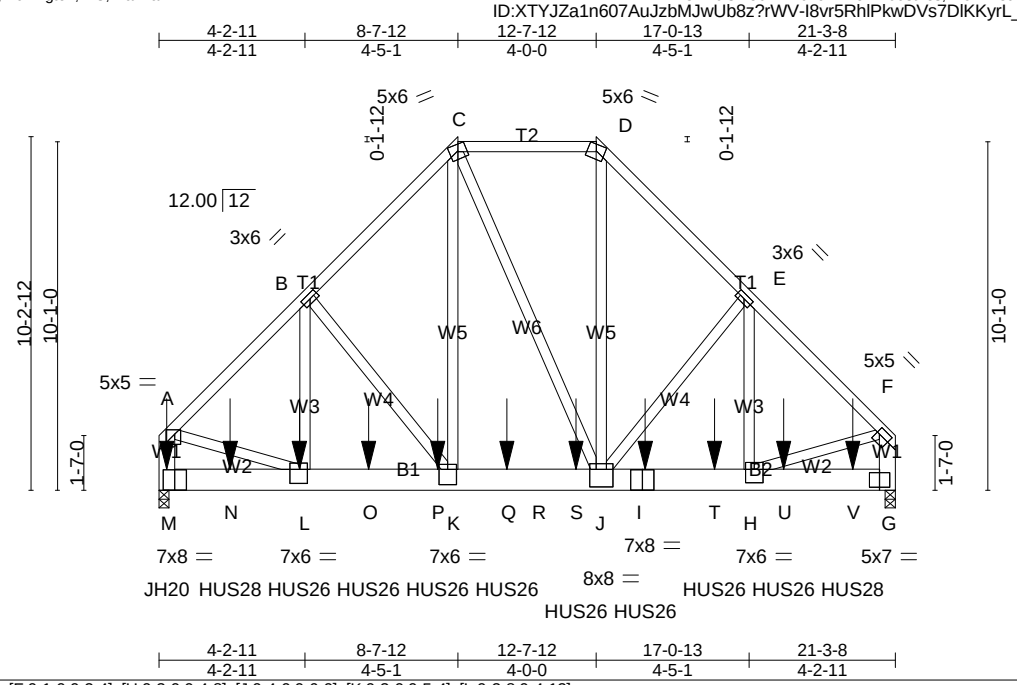


Plate Offsets (X,Y)-- [A:0-3-0,0-1-8], [F:0-1-0,0-2-4], [H:0-3-0,0-4-8], [J:0-4-0,0-6-0], [K:0-3-0,0-5-4], [L:0-2-8,0-4-12]

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	0.34	Vert(LL)	-0.07	K-L	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.11	K-L	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.75	Horz(CT)	0.02	G	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH							Weight: 602 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP No.1
WEBS 2x4 SP No.3 *Except*
W1: 2x6 SP No.2

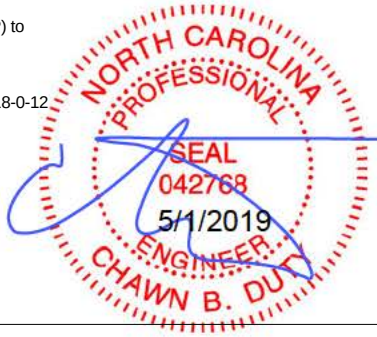
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): C-D.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) M=8032/0-3-8 (min. 0-1-8), G=7248/0-3-8 (min. 0-1-8)
Max Horz M=254(LC 24)
Max Uplift M=-304(LC 8), G=-290(LC 9)
Max Grav M=10257(LC 2), G=9026(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-8238/280, B-C=-7051/339, C-D=-4936/304, D-E=-7076/349, E-F=-8062/294, A-M=-7571/249, F-G=-7381/260
BOT CHORD M-N=-255/676, L-N=-255/676, L-O=-279/5769, O-P=-279/5769, K-P=-279/5769, K-Q=-201/4904, Q-R=-201/4904, R-S=-201/4904, J-S=-201/4904, I-J=-140/5643, I-T=-140/5643, H-T=-140/5643, H-U=-53/673, U-V=-53/673, G-V=-53/673
WEBS B-L=-49/1706, B-K=-1277/217, C-K=-197/4615, C-J=-122/200, D-J=-199/4694, E-J=-1025/221, E-H=-64/1364, A-L=-114/5445, F-H=-122/5228

NOTES-
1) 3-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: 2x8 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Bearing at joint(s) M, G considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 304 lb uplift at joint M and 290 lb uplift at joint G.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Use USP JH20 (With 14-10d nails into Girder & 6-10d nails into Truss) or equivalent at 0-2-12 from the left end to connect truss(es) A1 (1 ply 2x10 SP) to back face of bottom chord.
13) Use USP HUS28 (With 22-16d nails into Girder & 8-16d nails into Truss) or equivalent spaced at 18-0-0 oc max. starting at 2-0-12 from the left end to 20-0-12 to connect truss(es) A1A (1 ply 2x10 SP), A2 (1 ply 2x10 SP) to back face of bottom chord.
14) 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 4-0-12 from the left end to 18-0-12 to connect truss(es) A1A (1 ply 2x10 SP), A1 (1 ply 2x10 SP), A2 (1 ply 2x10 SP) to back face of bottom chord.
15) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-C=-60, C-D=-60, D-F=-60, G-M=-20
Concentrated Loads (lb)
Vert: I=-1227(B) L=-1239(B) M=-1261(B) N=-1239(B) O=-1239(B) P=-1239(B) Q=-1239(B) S=-1249(B) T=-1227(B) U=-1227(B) V=-1227(B)



Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	B2	Piggyback Base	1	1	Job Reference (optional)

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

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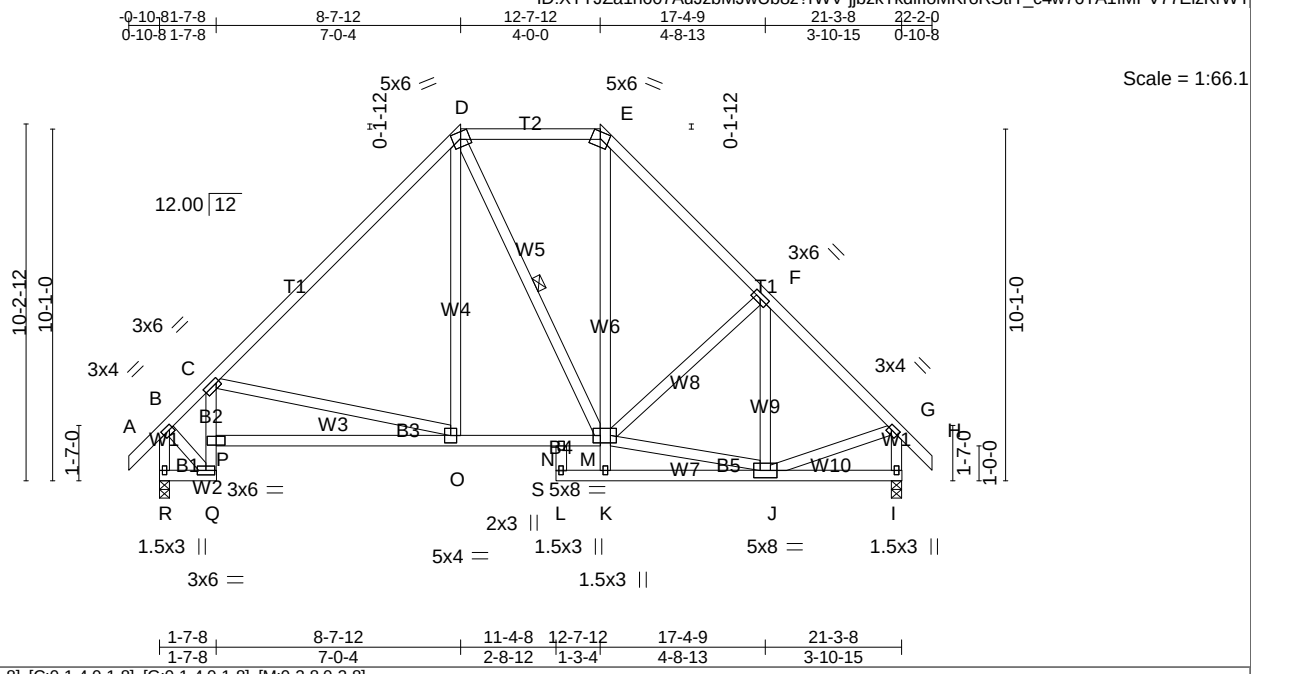

Plate Offsets (X,Y)-- [B:0-1-4,0-1-8], [C:0-1-4,0-1-8], [G:0-1-4,0-1-8], [M:0-2-8,0-2-8]

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	0.65	Vert(LL)	-0.08	O-P	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.17	O-P	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.08	I	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH							Weight: 170 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B4: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): D-E.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt D-M

REACTIONS. (lb/size) R=901/0-3-8 (min. 0-1-8), I=901/0-3-8 (min. 0-1-8)
Max Horz R=-283(LC 8)
Max UpliftR=-77(LC 10), I=-77(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/43, B-C=-628/141, C-D=-878/210, D-E=-525/240, E-F=-784/249, F-G=-802/188, G-H=0/43, B-R=-989/195, G-I=-870/197
BOT CHORD Q-R=-264/250, P-Q=-363/112, C-P=-305/151, O-P=-348/1003, O-S=-86/570, N-S=-86/570, M-N=-92/548, L-N=-25/0, K-L=-5/53, J-K=0/79, I-J=-18/31
WEBS C-O=-443/393, D-O=-17/315, D-M=-158/121, K-M=0/157, E-M=-84/308, F-M=-193/199, F-J=-198/48, B-Q=-152/666, G-J=0/533, J-M=0/466

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint R and 77 lb uplift at joint I.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	B2A	PIGGYBACK BASE	3	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill — 8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:09:17 2019 Page 1
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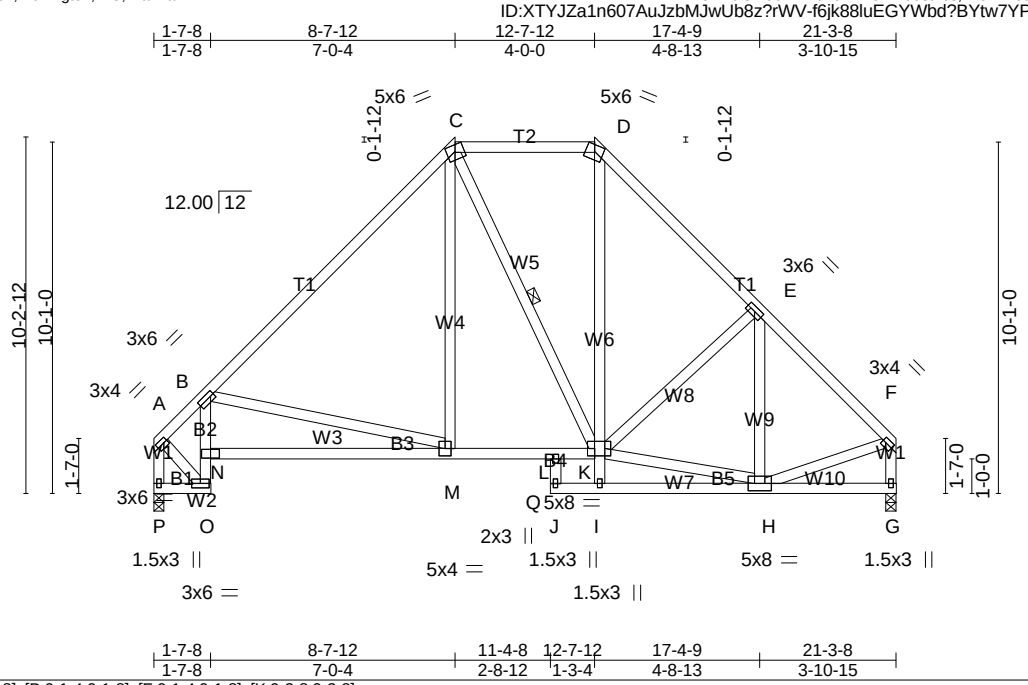

Plate Offsets (X,Y)-- [A:0-1-4,0-1-8], [B:0-1-4,0-1-8], [F:0-1-4,0-1-8], [K:0-2-8,0-2-8]

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	0.65	Vert(LL)	-0.08	M-N	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.17	M-N	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.08	G	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH							Weight: 166 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B4: 2x4 SP No.3
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) P=840/0-3-8 (min. 0-1-8), G=840/0-3-8 (min. 0-1-8)
Max Horz P=258(LC 7)
Max UpliftP=-56(LC 10), G=-56(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-643/124, B-C=-883/215, C-D=-524/243, D-E=-790/255, E-F=-807/174, A-P=-930/160, F-G=-809/152
BOT CHORD O-P=-242/241, N-O=-364/129, B-N=-306/169, M-N=-357/998, M-Q=-97/559, L-Q=-97/559, K-L=-102/537, J-L=-25/1, I-J=-5/54, H-I=0/79, G-H=-24/28
WEBS B-M=-446/392, C-M=-18/316, C-K=-157/121, I-K=0/157, D-K=-85/309, E-K=-199/194, E-H=-200/71, A-O=-188/669, F-H=-21/535, H-K=-25/472

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint P and 56 lb uplift at joint G.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	B3	Piggyback Base Structural Gable	1	1	COMMON I I Gable I Gable

Job Reference (optional)

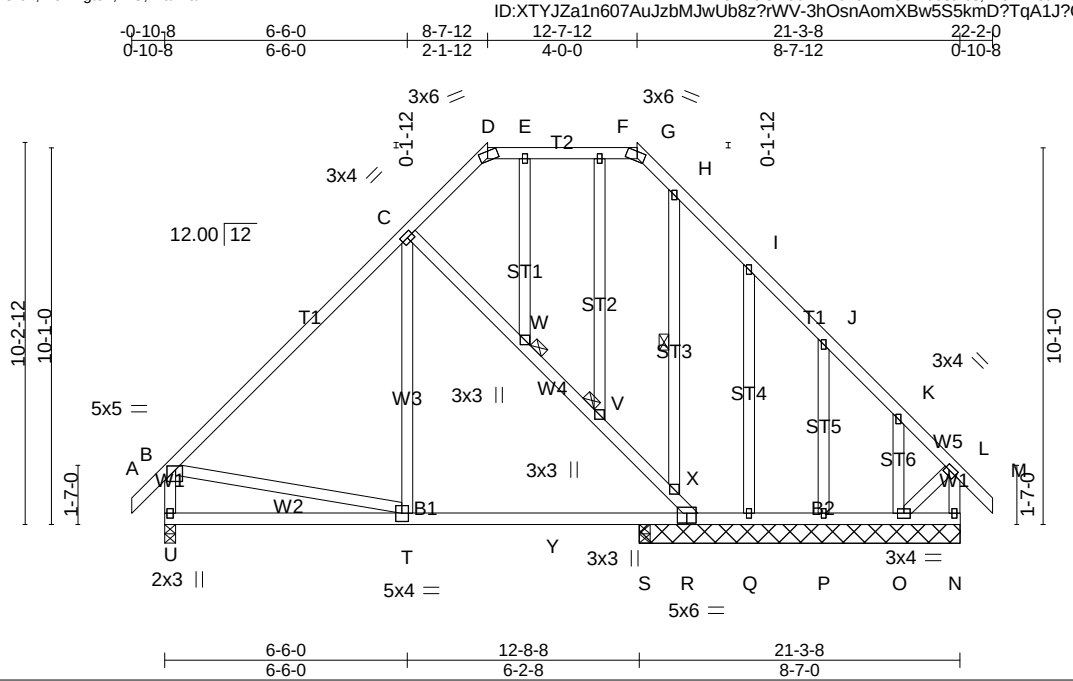

Plate Offsets (X,Y)-- [B:0-2-12,0-1-4], [L:0-1-4,0-1-8], [R:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.06	S-T	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.08	S-T	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	-0.01	N	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH							Weight: 171 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W1: 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): D-G.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: N-O.
WEBS 1 Row at midpt H-X
JOINTS 1 Brace at Jt(s): V, W

REACTIONS. (lb/size) U=683/0-3-8 (min. 0-1-8), N=371/8-7-0 (min. 0-1-8), R=278/8-7-0 (min. 0-1-8), Q=163/8-7-0 (min. 0-1-8), P=161/8-7-0 (min. 0-1-8), O=14/8-7-0 (min. 0-1-8), S=133/0-3-8 (min. 0-1-8)
Max Horz U=-283(LC 8)
Max UpliftN=-175(LC 9), R=-255(LC 10), Q=-112(LC 11), P=-109(LC 11), O=-363(LC 11)
Max Grav U=683(LC 1), N=524(LC 20), R=286(LC 17), Q=203(LC 18), P=181(LC 18), O=251(LC 9), S=272(LC 16)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/43, B-C=-602/57, C-D=-264/111, D-E=-144/91, E-F=-145/91, F-G=-145/91, G-H=-217/104, H-I=-246/82, I-J=-252/97, J-K=-310/182, K-L=-367/263, L-M=0/43, B-U=-625/88, L-N=-509/335
BOT CHORD T-U=-295/374, T-Y=-141/423, S-Y=-141/423, R-S=-141/423, Q-R=-210/341, P-Q=-210/341, O-P=-210/341, N-O=-24/45
WEBS C-W=-421/235, V-W=-416/226, V-X=-444/243, R-X=-537/286, C-T=0/248, B-T=-106/342, F-V=-43/25, E-W=-18/19, H-X=-135/92, I-Q=-160/141, J-P=-164/133, K-O=-155/108, L-O=-267/403

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x3 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 175 lb uplift at joint N, 255 lb uplift at joint R, 112 lb uplift at joint Q, 109 lb uplift at joint P and 363 lb uplift at joint O.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	B4	Common Supported Gable	1	1	Job Reference (optional)

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

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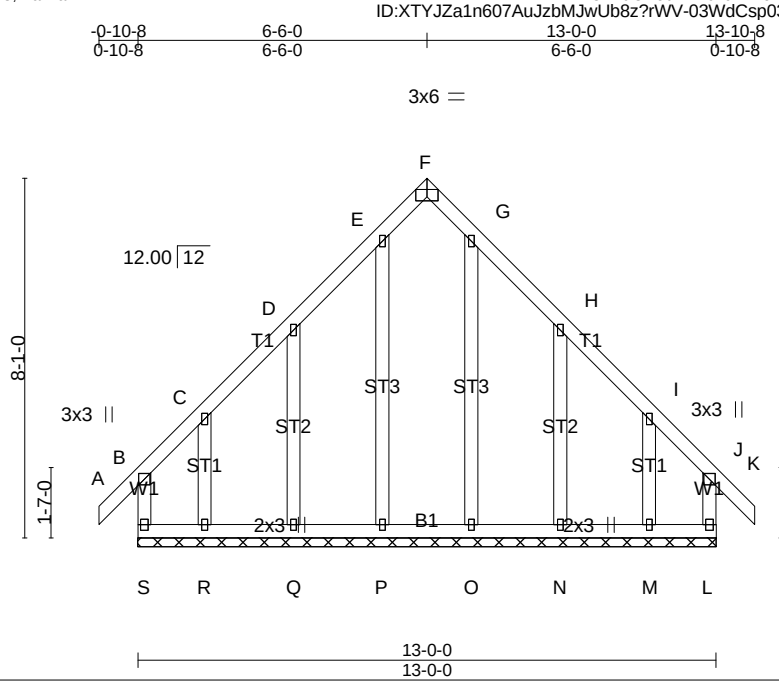

Plate Offsets (X,Y)-- [F:0-3-0,Edge]

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	0.23	Vert(LL)	-0.00	K	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.00	K	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-R							Weight: 95 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=127/13-0-0 (min. 0-1-8), L=127/13-0-0 (min. 0-1-8), P=159/13-0-0 (min. 0-1-8), Q=167/13-0-0 (min. 0-1-8), R=117/13-0-0 (min. 0-1-8), O=159/13-0-0 (min. 0-1-8), N=167/13-0-0 (min. 0-1-8), M=117/13-0-0 (min. 0-1-8)
Max Horz S=232(LC 9)
Max Uplift S=-152(LC 6), L=-141(LC 7), Q=-134(LC 10), R=-216(LC 10), N=-135(LC 11), M=-214(LC 11)
Max Grav S=233(LC 18), L=224(LC 17), P=196(LC 20), Q=175(LC 17), R=256(LC 8), O=194(LC 19), N=177(LC 18), M=248(LC 9)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD B-S=-175/112, A-B=0/43, B-C=-160/153, C-D=-89/106, D-E=-172/256, E-F=-124/160, F-G=-124/160, G-H=-172/256, H-I=-81/106, I-J=-150/143, J-K=0/43, J-L=-168/103
BOT CHORD R-S=-121/129, Q-R=-121/129, P-Q=-121/129, O-P=-121/129, N-O=-121/129, M-N=-121/129, L-M=-121/129
WEBS E-P=-155/27, D-Q=-205/190, C-R=-178/165, G-O=-153/27, H-N=-205/190, I-M=-178/164

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) All plates are 1.5x3 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 152 lb uplift at joint S, 141 lb uplift at joint L, 134 lb uplift at joint Q , 216 lb uplift at joint R, 135 lb uplift at joint N and 214 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

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	C1	PIGGYBACK BASE	1	1	Job Reference (optional)

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

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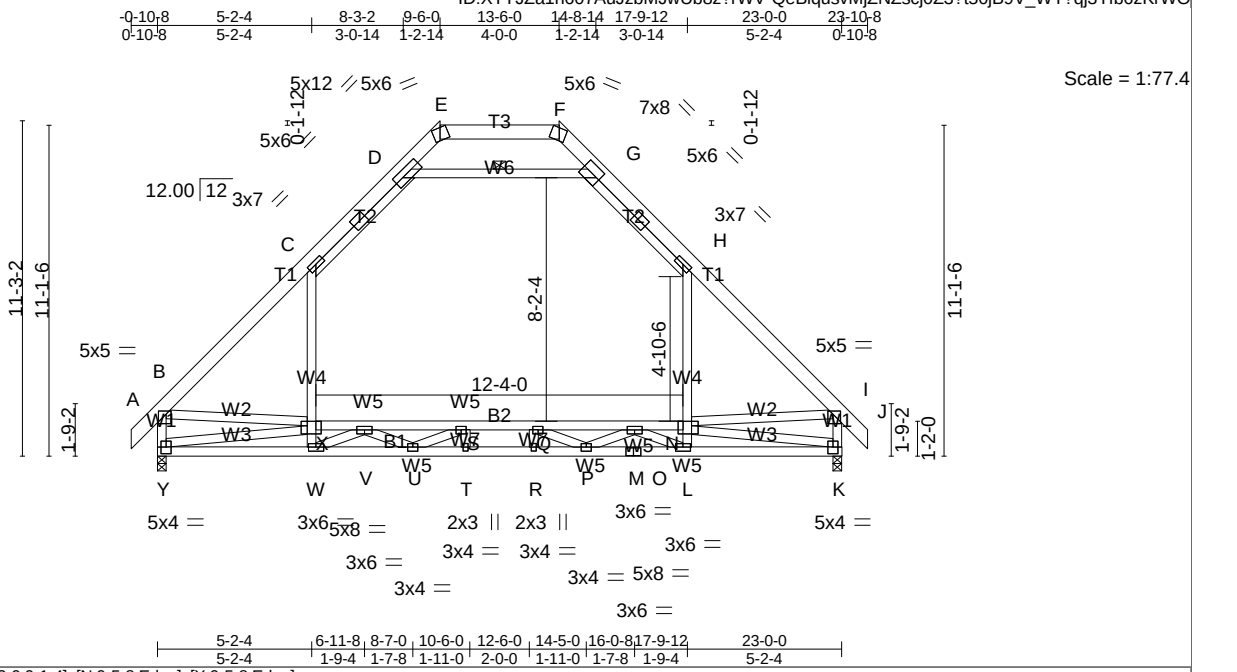


Plate Offsets (X,Y)-- [B:0-3-0,0-1-4], [I:0-3-0,0-1-4], [N:0-5-8,Edge], [X:0-5-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.22	R-T	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.36	R-T	>747	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.05	K	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH		Attic	-0.10	N-X	1412	360	Weight: 223 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1 *Except*
T3: 2x6 SP No.2, T2: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W4,W6: 2x4 SP No.2

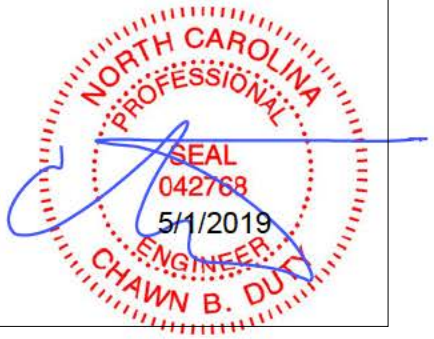
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): E-F.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
8-0-2 oc bracing: W-Y
9-0-15 oc bracing: K-L.
4-2-0 oc bracing: O-V
6-0-0 oc bracing: V-X, N-O
WEBS 1 Row at midpt D-G
JOINTS 1 Brace at Jt(s): V, O

REACTIONS. (lb/size) Y=1156/0-3-8 (min. 0-1-10), K=1156/0-3-8 (min. 0-1-10)
Max Horz Y=-307(LC 8)
Max Grav Y=1402(LC 2), K=1402(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/43, B-C=-1477/6, C-D=-896/173, D-E=-6/526, E-F=0/771, F-G=-0/526, G-H=-896/173, H-I=-1494/6, I-J=0/43, B-Y=-1306/77, I-K=-1313/77
BOT CHORD W-Y=-537/870, U-W=-236/1767, T-U=0/2709, R-T=0/2709, P-R=0/2709, M-P=-159/1627, L-M=-159/1627, K-L=-417/729, V-X=-306/905, S-V=-1307/115, Q-S=-1929/0, O-Q=-1350/169, N-O=-440/965
WEBS W-X=0/754, C-X=0/709, D-G=-1595/205, L-N=0/754, H-N=0/709, B-X=-5/786, I-N=-18/797, X-Y=-555/326, K-N=-563/381, Q-R=-55/113, S-T=-57/115, V-W=-1446/0, U-V=0/763, S-U=-776/152, L-O=-1446/0, O-P=0/765, P-Q=-774/149

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). C-D, G-H, D-G
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. V-X, S-V, Q-S, O-Q, N-O
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	C2	PIGGYBACK BASE	7	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:09:28 2019 Page 1
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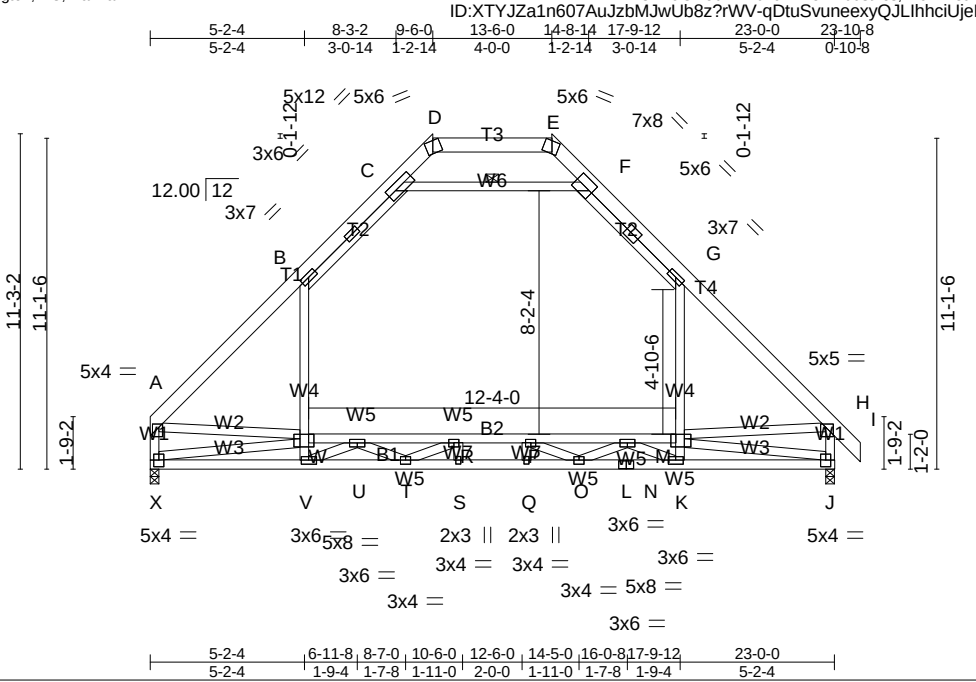


Plate Offsets (X,Y)-- [A:0-2-8,0-1-4], [H:0-3-0,0-1-4], [M:0-5-8,Edge], [W:0-5-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.22	Q-S	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.37	Q-S	>744	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.05	J	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH		Attic	-0.10	M-W	1412	360	Weight: 220 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1 *Except*
T3: 2x6 SP No.2, T2: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W4,W6: 2x4 SP No.2

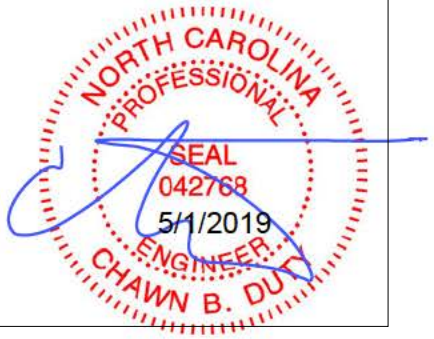
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): D-E.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
8-0-8 oc bracing: V-X
9-0-15 oc bracing: J-K.
4-2-0 oc bracing: N-U
6-0-0 oc bracing: U-W, M-N
WEBS 1 Row at midpt C-F
JOINTS 1 Brace at Jt(s): U, N

REACTIONS. (lb/size) X=1094/0-3-8 (min. 0-1-9), J=1158/0-3-8 (min. 0-1-10)
Max Horz X=-299(LC 6)
Max Grav X=1350(LC 2), J=1404(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-1473/0, B-C=-898/173, C-D=-8/529, D-E=0/776, E-F=-1/530, F-G=-897/172, G-H=-1497/4, H-I=0/43, A-X=-1253/26, H-J=-1316/76
BOT CHORD V-X=-533/889, T-V=-232/1785, S-T=0/2712, Q-S=0/2712, O-Q=0/2712, L-O=-159/1622, K-L=-159/1622, J-K=-417/722, U-W=-314/886, R-U=-1313/113, P-R=-1932/0, N-P=-1347/169, M-N=-436/976
WEBS V-W=0/753, B-W=0/699, C-F=-1605/206, K-M=0/756, G-M=0/711, A-W=-3/802, H-M=-18/798, W-X=-591/357, J-M=-556/383, P-Q=-55/114, R-S=-58/114, U-V=-1443/0, T-U=0/758, R-T=-768/154, K-N=-1448/0, N-O=0/769, O-P=-781/148

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). B-C, F-G, C-F
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. U-W, R-U, P-R, N-P, M-N
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	D1	GABLE	1	1	Job Reference (optional)

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

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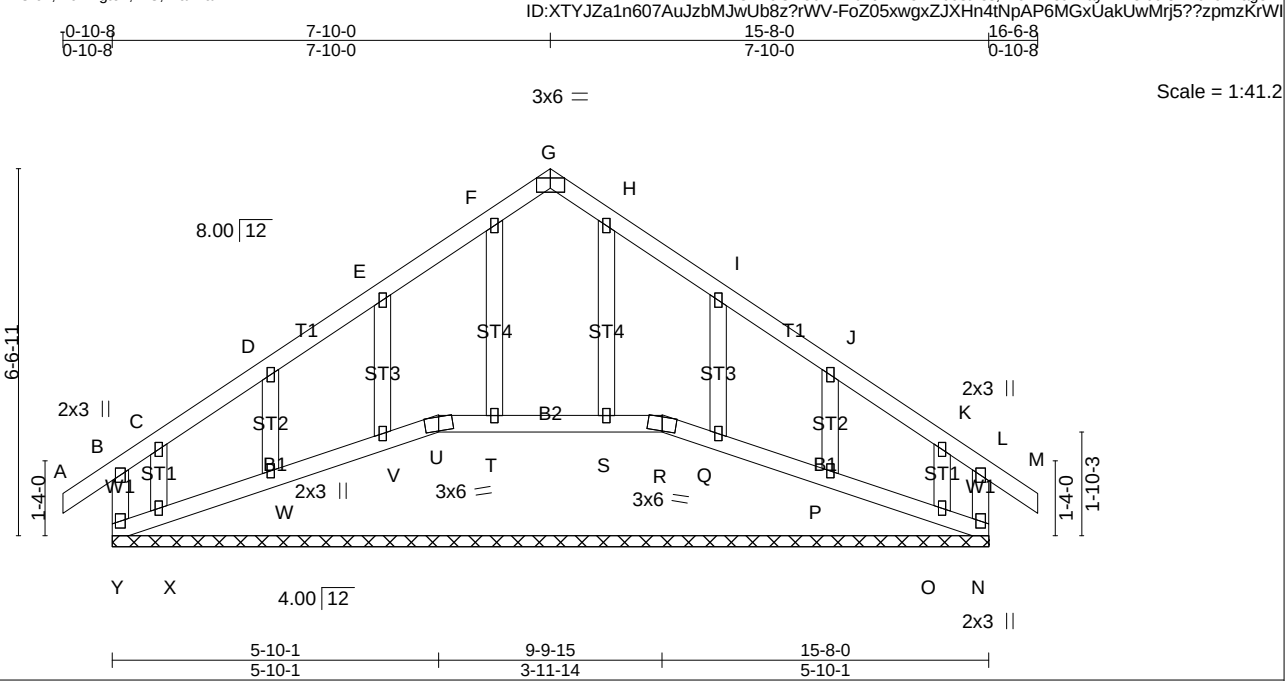


Plate Offsets (X,Y)-- [G:0-3-0,Edge]

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	0.16	Vert(LL)	-0.00	M	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.00	M	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	N	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-R							Weight: 86 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

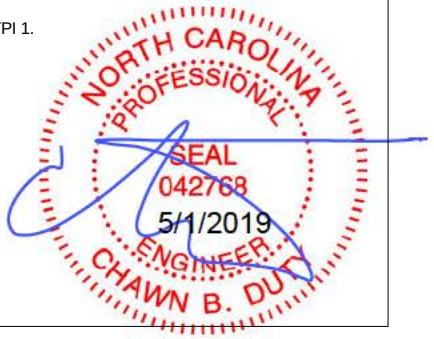
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) Y=106/15-8-0 (min. 0-1-10), U=9/15-8-0 (min. 0-1-10), R=9/15-8-0 (min. 0-1-10), N=106/15-8-0 (min. 0-1-10), T=158/15-8-0 (min. 0-1-10), V=152/15-8-0 (min. 0-1-10), W=168/15-8-0 (min. 0-1-10), X=84/15-8-0 (min. 0-1-10), S=158/15-8-0 (min. 0-1-10), Q=152/15-8-0 (min. 0-1-10), P=168/15-8-0 (min. 0-1-10), O=84/15-8-0 (min. 0-1-10)
Max Horz Y=185(LC 9)
Max Uplift Y=-199(LC 6), U=-20(LC 9), R=-22(LC 9), N=-117(LC 7), V=-95(LC 10), W=-53(LC 10), X=-189(LC 7), Q=-95(LC 11), P=-53(LC 11), O=-173(LC 11)
Max Grav Y=240(LC 18), U=36(LC 6), R=37(LC 6), N=174(LC 17), T=163(LC 20), V=166(LC 17), W=172(LC 17), X=245(LC 8), S=160(LC 19), Q=166(LC 18), P=173(LC 18), O=222(LC 9)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/34, B-C=-132/123, C-D=-77/80, D-E=-69/106, E-F=-131/184, F-G=-120/153, G-H=-120/153, H-I=-131/184, I-J=-69/106, J-K=-66/68, K-L=-113/102, L-M=0/34, B-Y=-154/102, L-N=-139/84
BOT CHORD X-Y=-124/125, W-X=-102/105, V-W=-106/106, U-V=-103/102, T-U=-93/97, S-T=-93/97, R-S=-93/97, Q-R=-103/103, P-Q=-105/105, O-P=-106/107, N-O=-76/80
WEBS F-T=-127/1, E-V=-152/118, D-W=-134/83, C-X=-140/126, H-S=-125/0, I-Q=-152/118, J-P=-134/83, K-O=-140/122

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) All plates are 1.5x3 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 199 lb uplift at joint Y, 20 lb uplift at joint U, 22 lb uplift at joint R, 117 lb uplift at joint N, 95 lb uplift at joint V, 53 lb uplift at joint W, 189 lb uplift at joint X, 95 lb uplift at joint Q, 53 lb uplift at joint P and 173 lb uplift at joint O.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) U, R, T, V, W, X, S, Q, P, O.
12) 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	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	D2	ROOF SPECIAL	6	1	Job Reference (optional)

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

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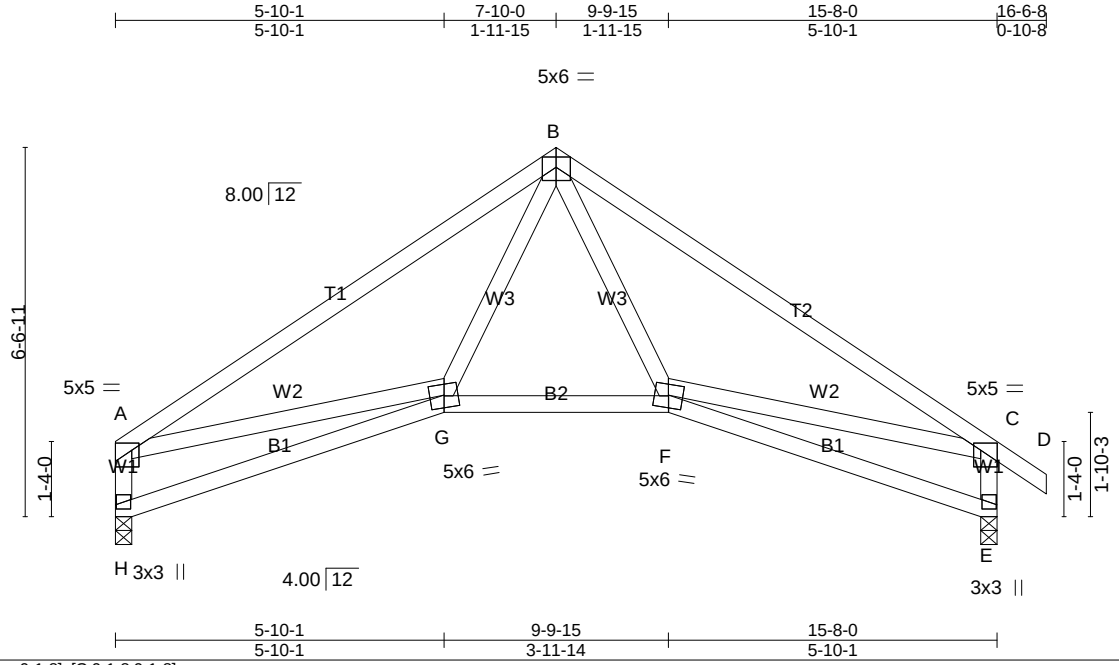

Plate Offsets (X,Y)-- [A:Edge,0-1-8], [C:0-1-8,0-1-8]

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	0.97	Vert(LL)	-0.04	G-H	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.09	G-H	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.04	E	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH							Weight: 88 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W1: 2x4 SP No.2

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

REACTIONS. (lb/size) H=613/0-3-8 (min. 0-1-8), E=678/0-3-8 (min. 0-1-8)
Max Horz H=-180(LC 6)
Max UpliftH=-62(LC 10), E=-82(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-936/78, B-C=-953/93, C-D=0/34, A-H=-617/146, C-E=-706/215
BOT CHORD G-H=-212/371, F-G=0/598, E-F=-194/327
WEBS B-F=0/317, B-G=0/312, A-G=0/482, C-F=-49/526

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) Bearing at joint(s) H, E considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint H and 82 lb uplift at joint E.
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	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	D3	Roof Special	3	1	Job Reference (optional)

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

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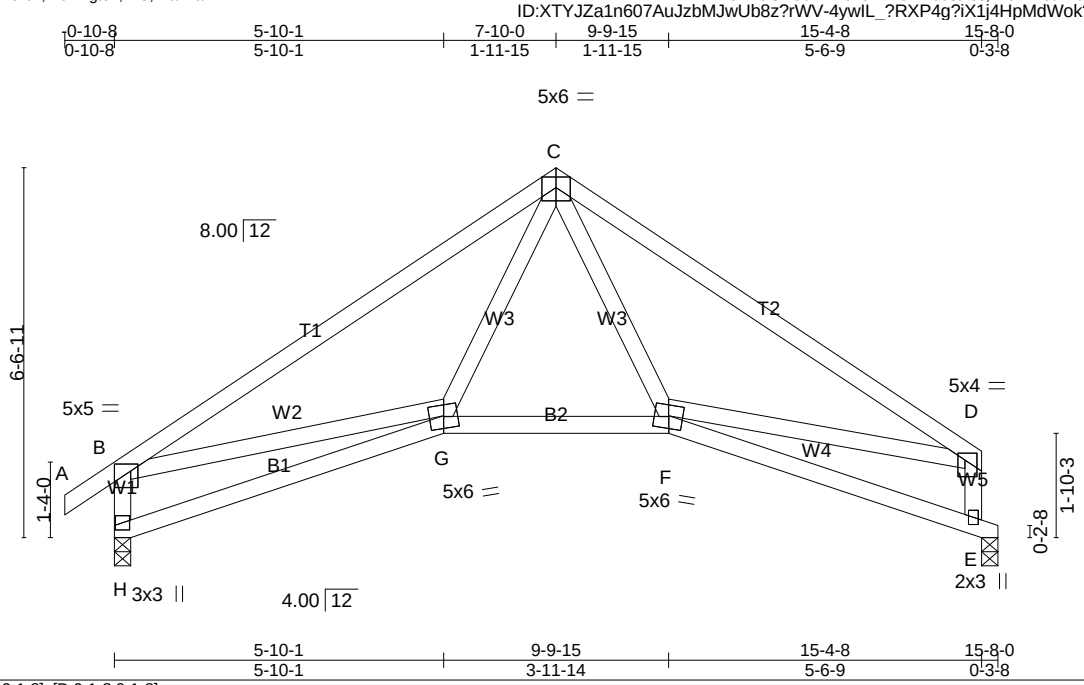

Plate Offsets (X,Y)-- [B:0-1-8,0-1-8], [D:0-1-8,0-1-8]

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	0.88	Vert(LL)	-0.04	G-H	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.09	G-H	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.03	E	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH							Weight: 87 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W1: 2x4 SP No.2

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

REACTIONS. (lb/size) H=667/0-3-8 (min. 0-1-8), E=601/0-3-8 (min. 0-1-8)
Max Horz H=181(LC 7)
Max UpliftH=-82(LC 10), E=-59(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/34, B-C=-926/120, C-D=-888/108, B-H=-696/229, D-E=-597/150
BOT CHORD G-H=-272/463, F-G=-8/564, E-F=-112/197
WEBS C-G=0/317, C-F=0/283, B-G=0/417, D-F=-18/538

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) Bearing at joint(s) H, E considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint H and 59 lb uplift at joint E.
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	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	E1	Monopitch	14	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:09:41 2019 Page 1
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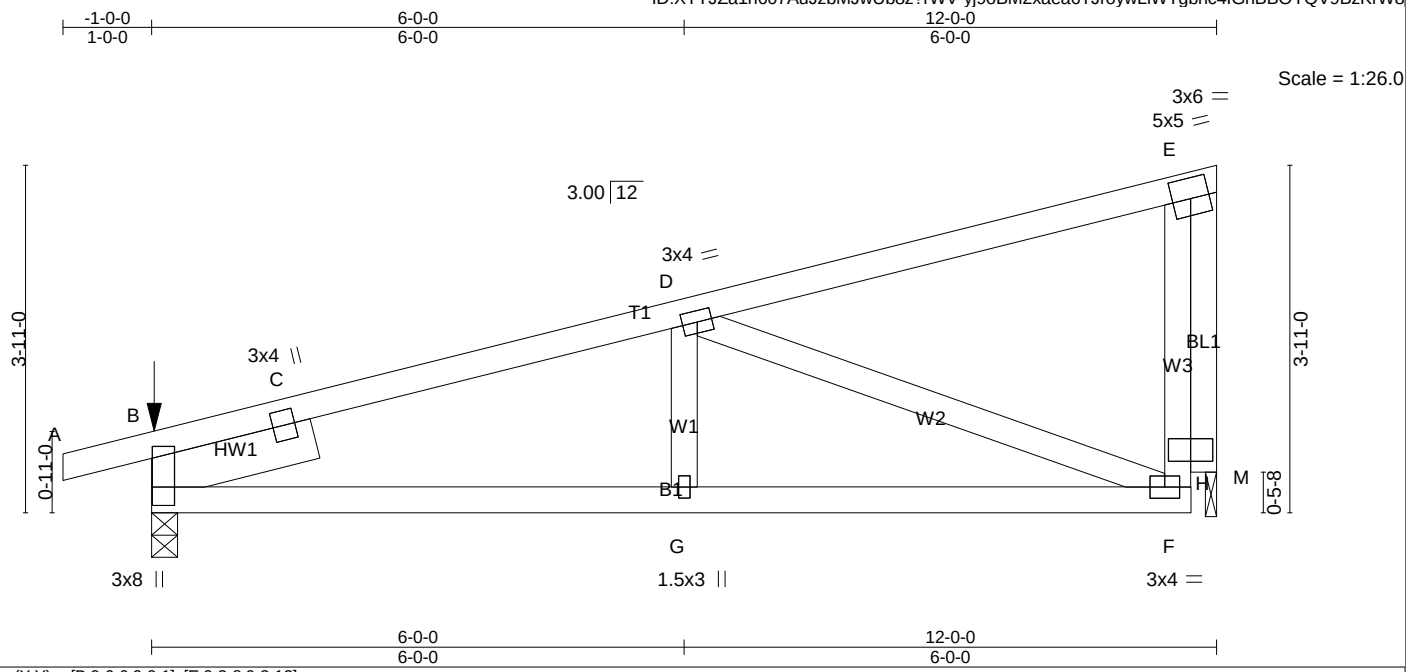

Plate Offsets (X,Y)-- [B:0-6-6,0-0-1], [E:0-2-8,0-2-12]

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	0.37	Vert(LL)	-0.04	F-G	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.09	F-G	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.01	M	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH							Weight: 63 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
SLIDER Left 2x6 SP No.2 1-11-0

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

REACTIONS. (lb/size) B=586/0-3-8 (min. 0-1-8), M=445/0-1-8 (min. 0-1-8)
Max Horz B=125(LC 6)
Max Uplift B=-297(LC 6), M=-101(LC 10)
Max Grav B=616(LC 36), M=445(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/15, B-C=-176/0, C-D=-794/186, D-E=-110/4
BOT CHORD B-G=-272/742, F-G=-272/742
WEBS F-H=-68/308, E-H=-68/308, D-G=0/237, D-F=-724/263, E-M=-451/157

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Bearing at joint(s) M considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) M.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 297 lb uplift at joint B and 101 lb uplift at joint M.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 305 lb down and 244 lb up at 0-0-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-E=-60, F-I=-20
Concentrated Loads (lb)
Vert: B=-47

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	E2	MONOPITCH SUPPORTED	1	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:09:44 2019 Page 1
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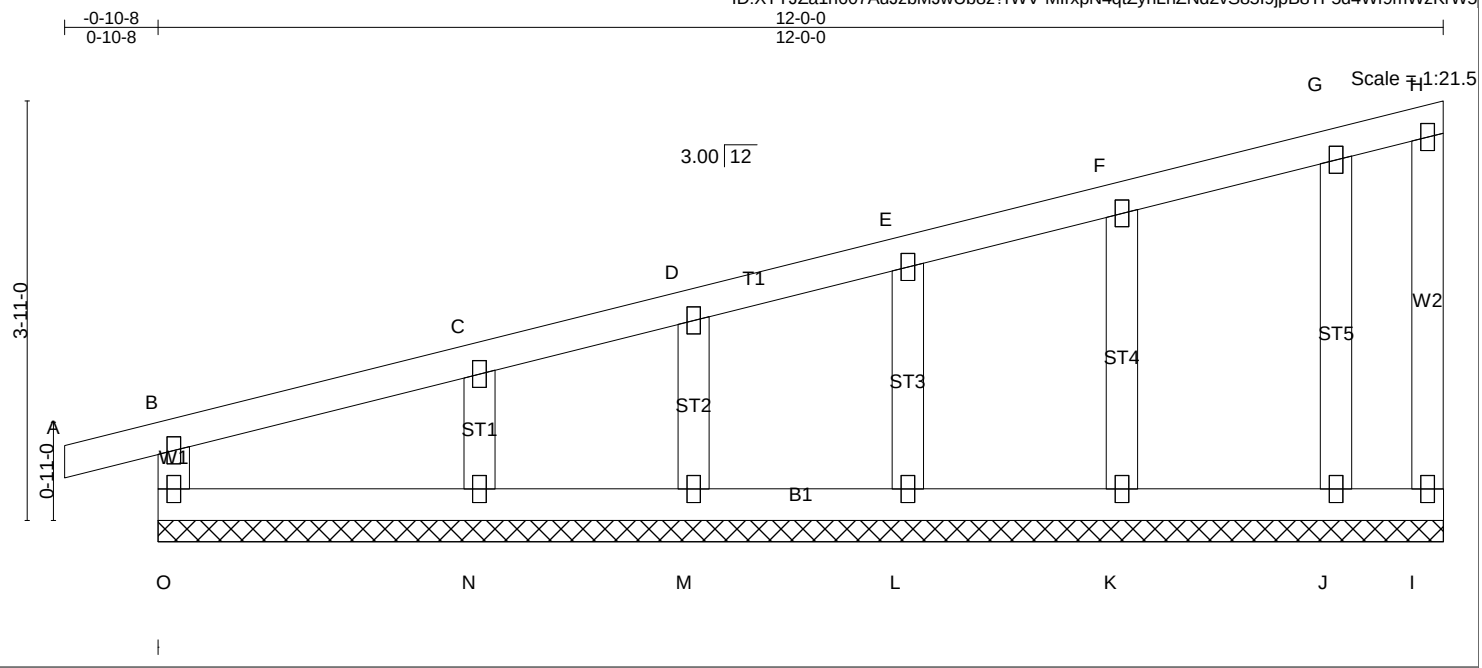

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	-0.00	A	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.00	A	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	-0.00	I	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-R							Weight: 59 lb	FT = 20%

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

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

REACTIONS. (lb/size) O=169/12-0-0 (min. 0-1-8), I=17/12-0-0 (min. 0-1-8), M=142/12-0-0 (min. 0-1-8), N=216/12-0-0 (min. 0-1-8), L=163/12-0-0 (min. 0-1-8), K=166/12-0-0 (min. 0-1-8), J=126/12-0-0 (min. 0-1-8)
Max Horz O=148(LC 7)
Max Uplift O=-27(LC 6), I=-22(LC 7), M=-21(LC 6), N=-77(LC 10), L=-38(LC 10), K=-35(LC 10), J=-19(LC 6)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD B-O=-146/81, A-B=0/15, B-C=-101/20, C-D=-79/11, D-E=-74/14, E-F=-66/24, F-G=-59/50, G-H=-57/59, H-I=-19/23
BOT CHORD N-O=-58/62, M-N=-58/62, L-M=-58/62, K-L=-58/62, J-K=-58/62, I-J=-58/62
WEBS D-M=-108/63, C-N=-157/118, E-L=-122/80, F-K=-125/81, G-J=-94/29

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only.
3) All plates are 1.5x3 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint O, 22 lb uplift at joint I, 21 lb uplift at joint M, 77 lb uplift at joint N, 38 lb uplift at joint L, 35 lb uplift at joint K and 19 lb uplift at joint J.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	G1	GABLE	1	1	Job Reference (optional)

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

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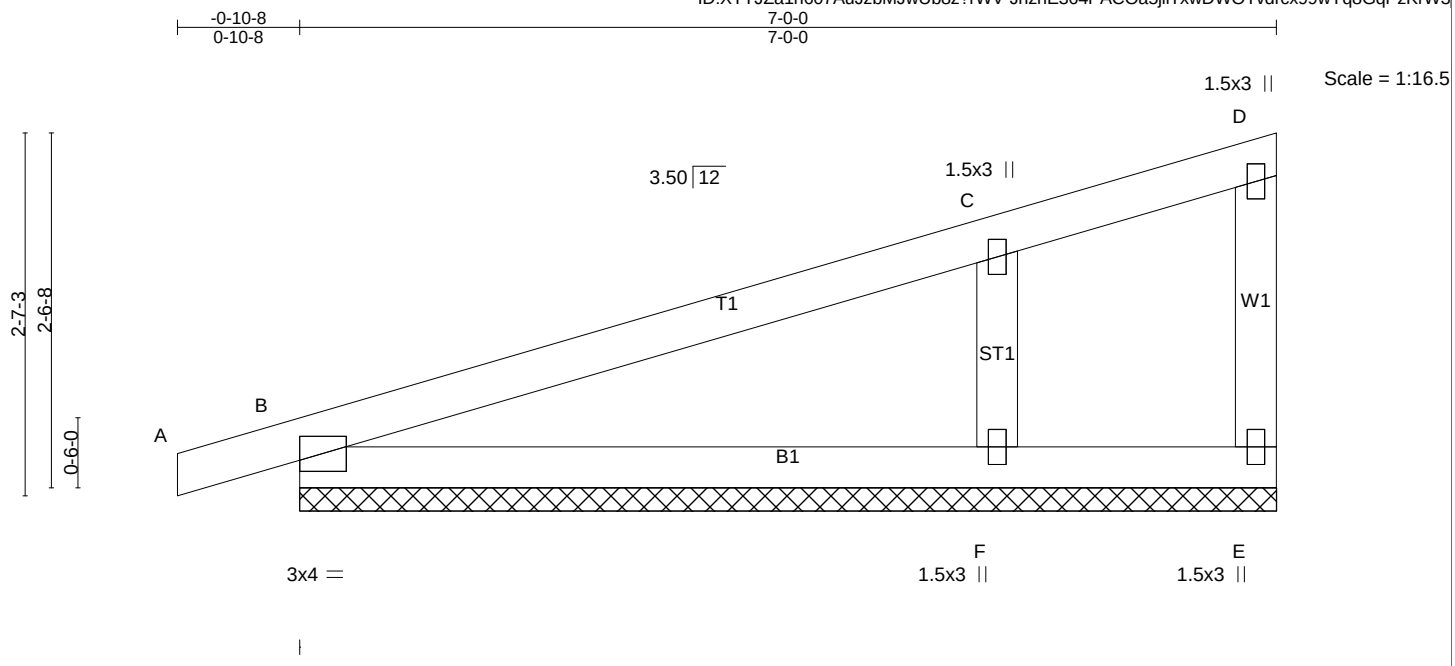

Plate Offsets (X,Y)-- [B:0-0-1,0-0-0]

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	0.28	Vert(LL)	-0.00	A	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	0.01	A	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	E	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 28 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 6-0-0 oc bracing.

REACTIONS. (lb/size) E=-32/7-0-0 (min. 0-1-8), B=218/7-0-0 (min. 0-1-8), F=415/7-0-0 (min. 0-1-8)
Max Horz B=92(LC 7)
Max Uplift E=-32(LC 1), B=-56(LC 6), F=-95(LC 10)
Max Grav E=13(LC 10), B=218(LC 1), F=415(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/3, B-C=-69/59, C-D=-48/41, D-E=-13/20
BOT CHORD B-F=-45/45, E-F=-45/45
WEBS C-F=-289/211

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint E, 56 lb uplift at joint B and 95 lb uplift at joint F.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	G2	Monopitch	6	1	Job Reference (optional)

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

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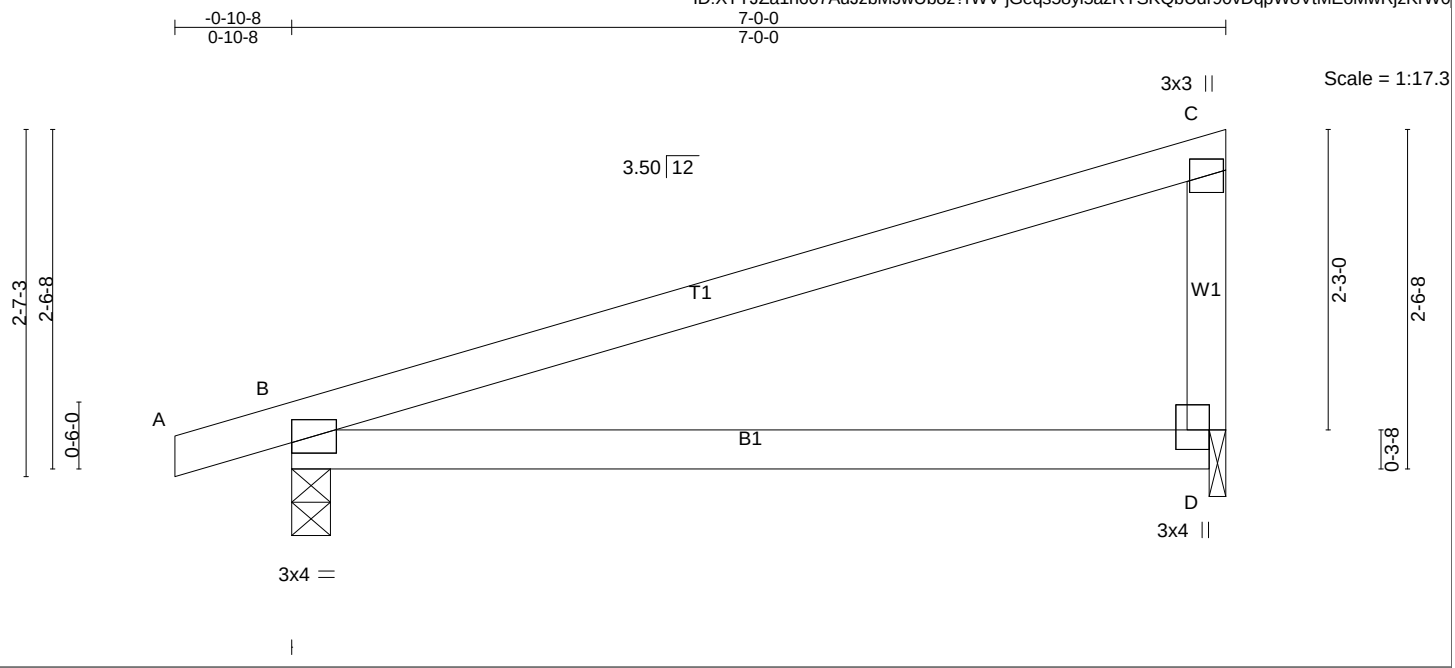

Plate Offsets (X,Y)-- [B:0-0-1,0-0-0], [D:Edge,0-2-0]

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	0.59	Vert(LL)	-0.06	D-G	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.15	D-G	>534	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	B	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH							Weight: 25 lb	FT = 20%

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

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

REACTIONS. (lb/size) B=330/0-3-8 (min. 0-1-8), D=271/0-1-8 (min. 0-1-8)
Max Horz B=93(LC 9)
Max Uplift B=-80(LC 6), D=-56(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/15, B-C=-157/50, C-D=-175/123
BOT CHORD B-D=-24/101

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Bearing at joint(s) D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) D.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint B and 56 lb uplift at joint D.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	G3	Monopitch	4	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:09:55 2019 Page 1
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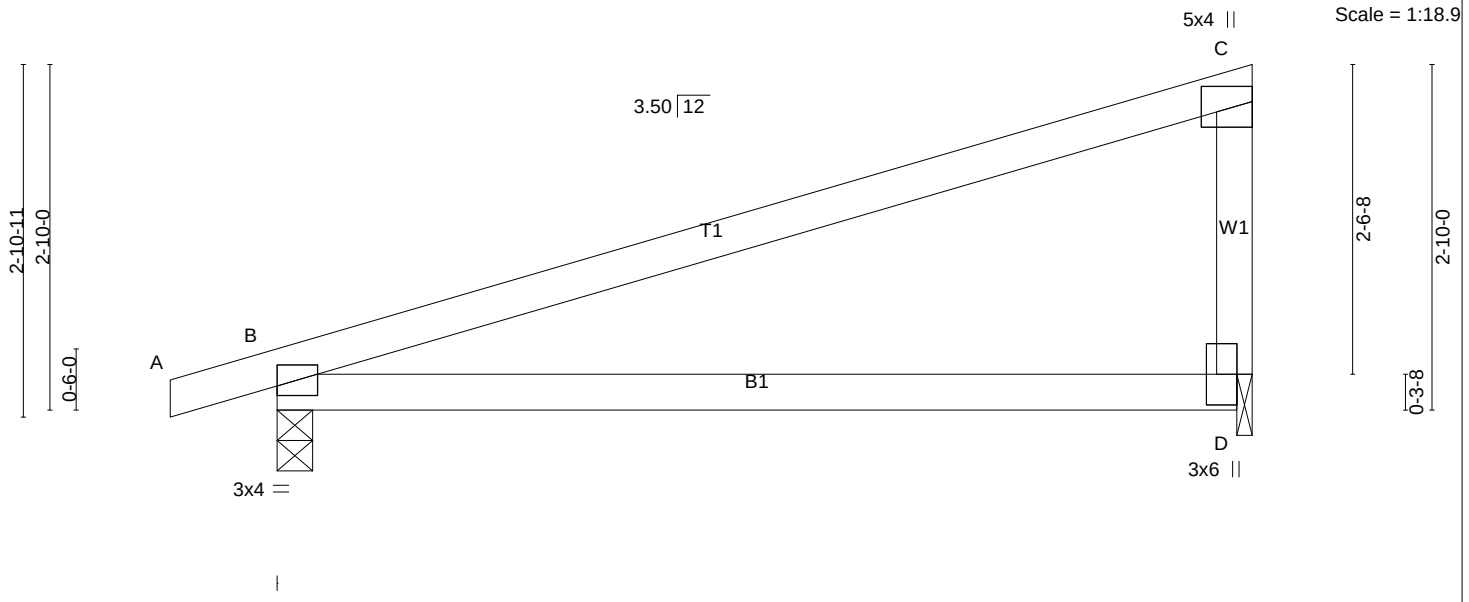

Plate Offsets (X,Y)-- [B:0-0-1,0-0-0], [D:Edge,0-2-0]

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	0.81	Vert(LL)	-0.11	D-G	>841	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.27	D-G	>351	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.03	B	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH							Weight: 29 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) B=370/0-3-8 (min. 0-1-8), D=311/0-1-8 (min. 0-1-8)
Max Horz B=105(LC 9)
Max Uplift B=-87(LC 6), D=-64(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/15, B-C=-183/55, C-D=-201/136
BOT CHORD B-D=-27/117

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Bearing at joint(s) D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) D.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint B and 64 lb uplift at joint D.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	H1	Common Supported Gable	1	1	Job Reference (optional)

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

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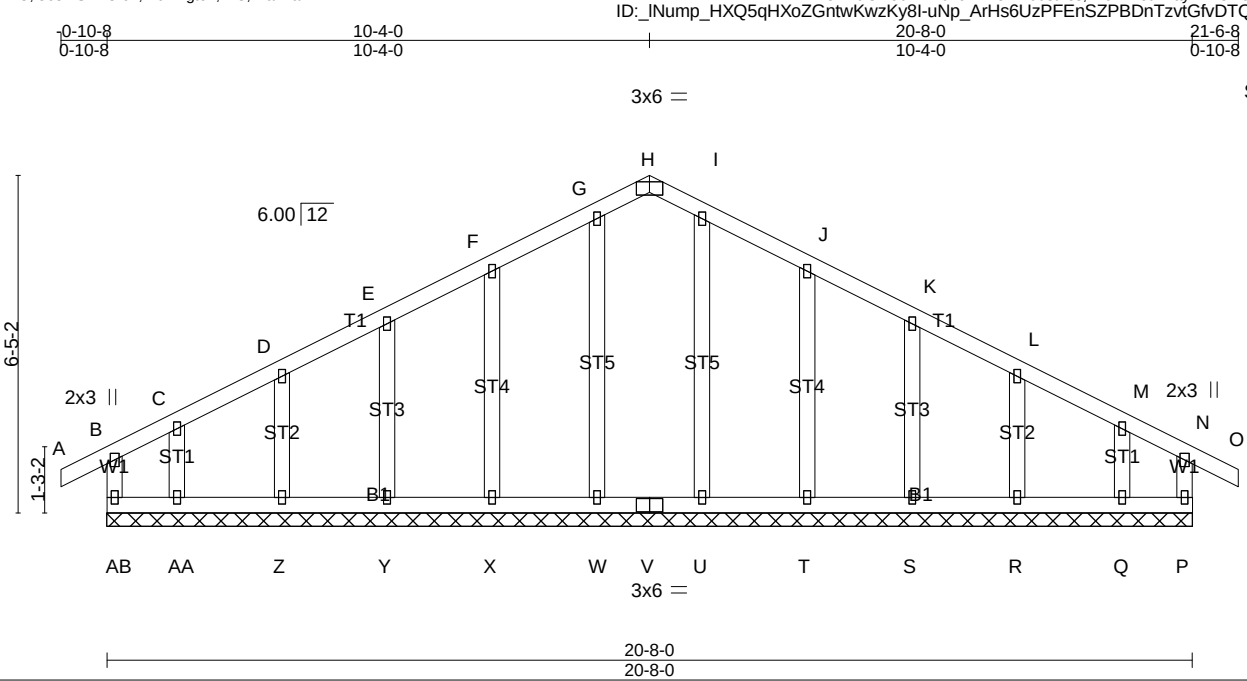

Plate Offsets (X,Y)-- [H:0-3-0,Edge]

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	0.12	Vert(LL)	-0.00	O	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.00	O	n/r	90		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	P	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-R							Weight: 121 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 6-0-0 oc bracing.

REACTIONS. (lb/size) AB=118/20-8-0 (min. 0-2-12), P=118/20-8-0 (min. 0-2-12), W=162/20-8-0 (min. 0-2-12), X=159/20-8-0 (min. 0-2-12), Y=158/20-8-0 (min. 0-2-12), Z=168/20-8-0 (min. 0-2-12), AA=111/20-8-0 (min. 0-2-12), U=162/20-8-0 (min. 0-2-12), T=159/20-8-0 (min. 0-2-12), S=158/20-8-0 (min. 0-2-12), R=168/20-8-0 (min. 0-2-12), Q=111/20-8-0 (min. 0-2-12)
Max Horz AB=-105(LC 8)
Max Uplift AB=-55(LC 6), P=-42(LC 7), X=-67(LC 10), Y=-47(LC 10), Z=-42(LC 10), AA=-109(LC 10), T=-68(LC 11), S=-46(LC 11), R=-43(LC 11), Q=-102(LC 11)
Max Grav AB=132(LC 18), P=121(LC 17), W=162(LC 1), X=162(LC 21), Y=158(LC 1), Z=168(LC 21), AA=135(LC 17), U=162(LC 1), T=162(LC 22), S=158(LC 1), R=168(LC 22), Q=127(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD B-AB=-108/71, A-B=0/27, B-C=-76/50, C-D=-42/63, D-E=-44/99, E-F=-59/144, F-G=-80/204, G-H=-76/189, H-I=-76/189, I-J=-80/204, J-K=-59/144, K-L=-44/99, L-M=-34/57, M-N=-68/43, N-O=0/27, N-P=-108/71
BOT CHORD AA-AB=-45/75, Z-AA=-45/75, Y-Z=-45/75, X-Y=-45/75, W-X=-45/75, V-W=-45/75, U-V=-45/75, T-U=-45/75, S-T=-45/75, R-S=-45/75, Q-R=-45/75, P-Q=-45/75
WEBS G-W=-122/0, F-X=-122/111, E-Y=-119/77, D-Z=-126/86, C-AA=-85/94, I-U=-122/0, J-T=-122/111, K-S=-119/77, L-R=-126/86, M-Q=-81/90

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) All plates are 1.5x3 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 55 lb uplift at joint AB, 42 lb uplift at joint P, 67 lb uplift at joint X, 47 lb uplift at joint Y, 42 lb uplift at joint Z, 109 lb uplift at joint AA, 68 lb uplift at joint T, 46 lb uplift at joint S, 43 lb uplift at joint R and 102 lb uplift at joint Q.
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

Job	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	H2	Common	6	1	Job Reference (optional)

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

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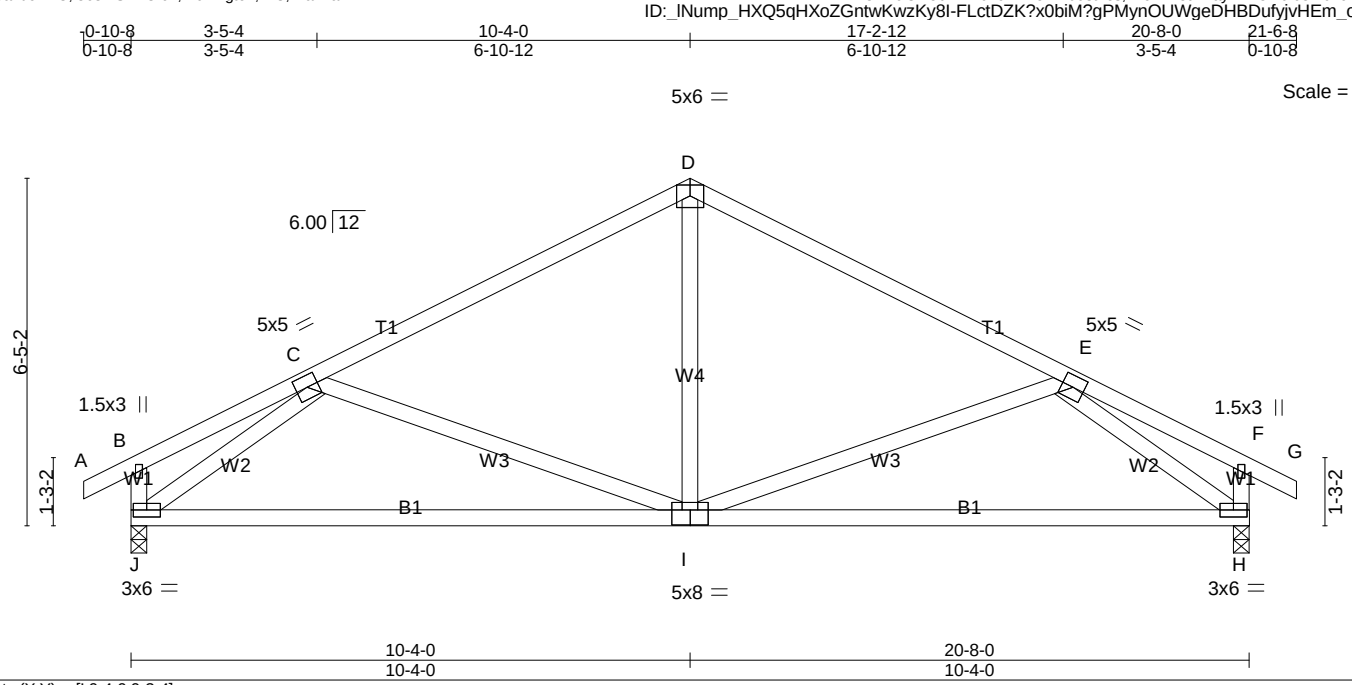

Plate Offsets (X,Y)-- [I:0-4-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.19	I-J	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.38	I-J	>641	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.03	H	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MSH							Weight: 113 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) J=876/0-3-8 (min. 0-1-8), H=876/0-3-8 (min. 0-1-8)
Max Horz J=105(LC 9)
Max UpliftJ=-114(LC 10), H=-114(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/27, B-C=-190/7, C-D=-917/254, D-E=-917/254, E-F=-190/7, F-G=0/27, B-J=-133/64, F-H=-133/64
BOT CHORD I-J=-199/866, H-I=-192/866
WEBS D-I=-7/451, E-I=-207/220, C-I=-207/219, C-J=-1031/371, E-H=-1031/371

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 114 lb uplift at joint J and 114 lb uplift at joint H.
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	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	PB1	Piggyback	12	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:10:08 2019 Page 1
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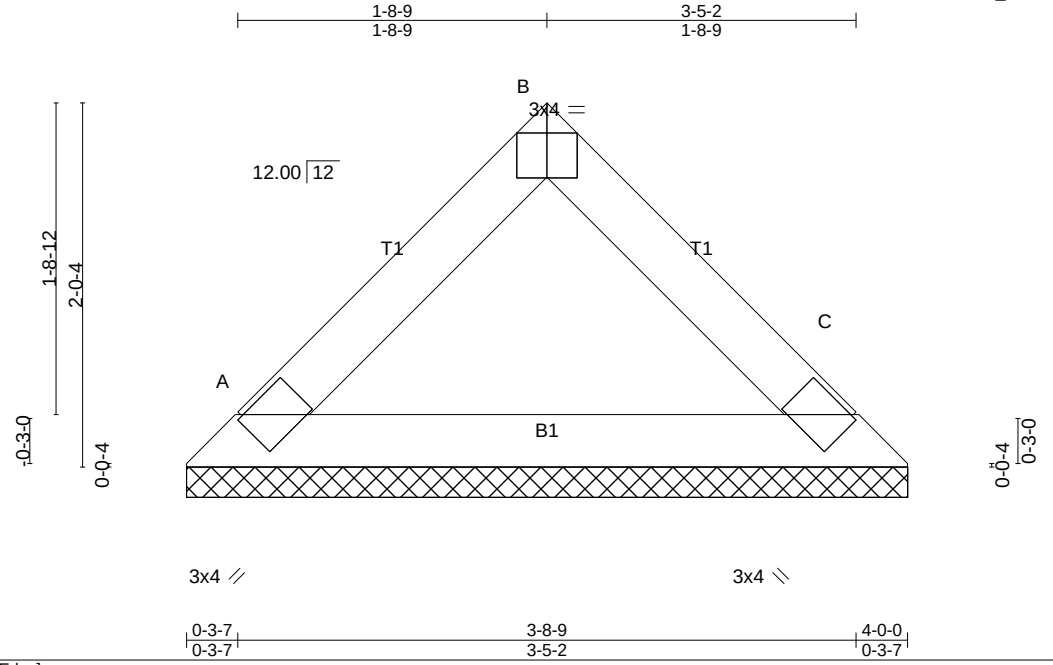

Plate Offsets (X,Y)-- [B:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	C	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 13 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=134/4-0-0 (min. 0-1-8), C=134/4-0-0 (min. 0-1-8)
Max Horz A=-41(LC 6)
Max UpliftA=-11(LC 10), C=-11(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-99/42, B-C=-99/42
BOT CHORD A-C=-11/57

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	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	PB2	Piggyback	11	1	Job Reference (optional)

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

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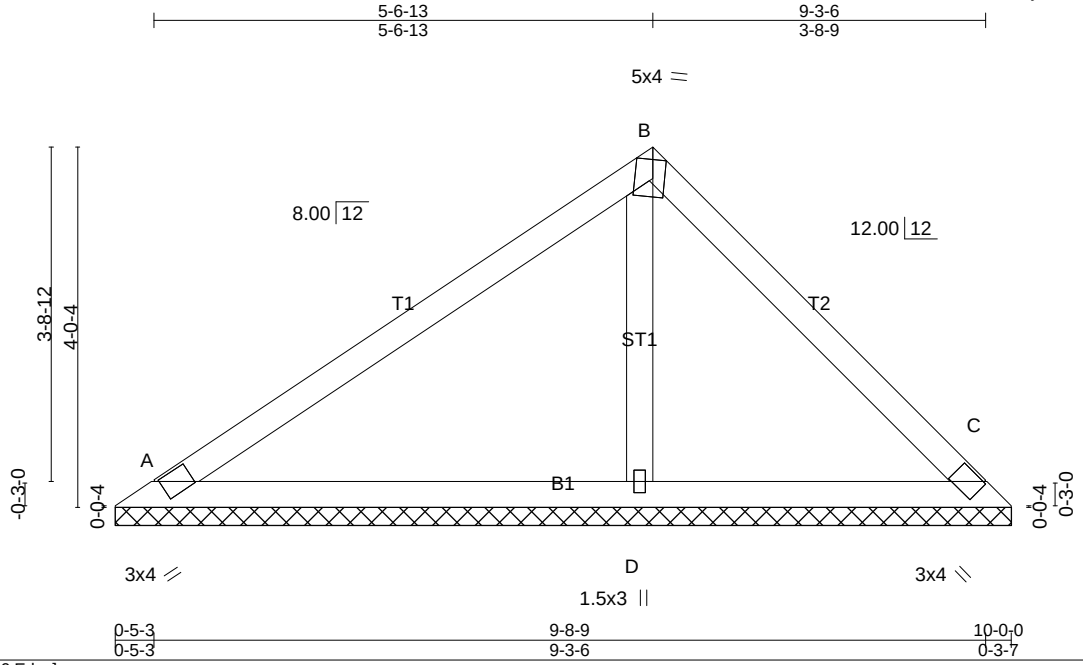

Plate Offsets (X,Y)-- [B:0-1-9,Edge]

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	0.41	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	C	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-SH							Weight: 38 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=217/10-0-0 (min. 0-1-8), C=154/10-0-0 (min. 0-1-8), D=366/10-0-0 (min. 0-1-8)
Max Horz A=-91(LC 6)
Max UpliftA=-34(LC 10), C=-35(LC 11), D=-21(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-150/75, B-C=-144/67
BOT CHORD A-D=-22/65, C-D=-20/71
WEBS B-D=-204/60

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	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	PB3	Piggyback	3	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:10:14 2019 Page 1
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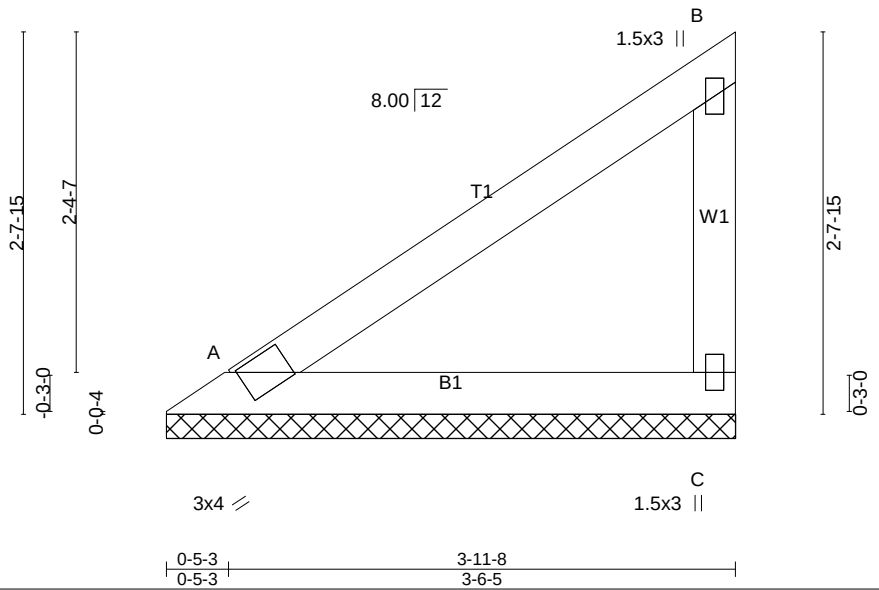

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	C	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 15 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=134/3-11-8 (min. 0-1-8), C=134/3-11-8 (min. 0-1-8)
Max Horz A=85(LC 7)
Max Uplift A=-10(LC 10), C=-39(LC 10)
Max Grav A=134(LC 1), C=148(LC 17)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-75/61, B-C=-115/60
BOT CHORD A-C=-41/44

NOTES- (6)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) 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.
6) 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	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	PB4	Piggyback	1	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:10:16 2019 Page 1
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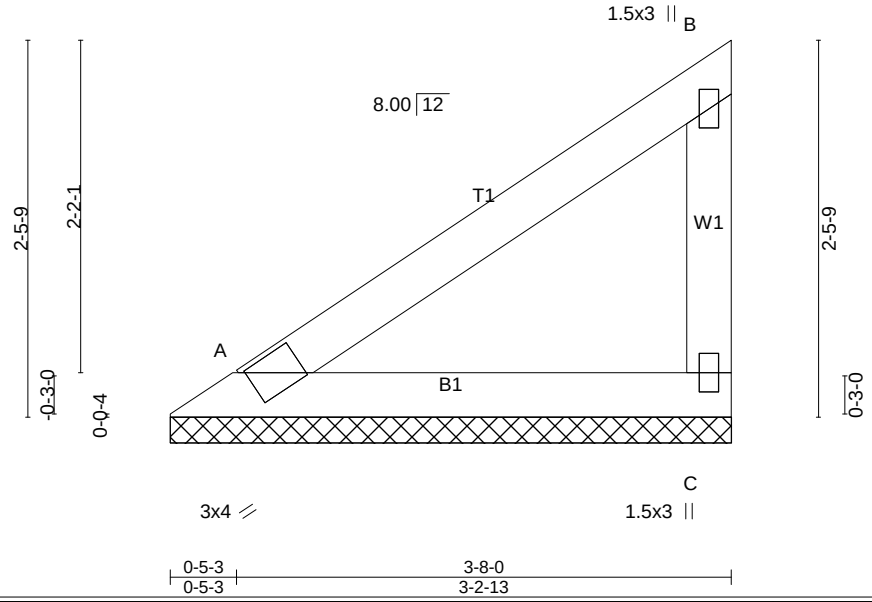

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	C	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 14 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=123/3-8-0 (min. 0-1-8), C=123/3-8-0 (min. 0-1-8)
Max Horz A=77(LC 7)
Max Uplift A=-9(LC 10), C=-36(LC 10)
Max Grav A=123(LC 1), C=135(LC 17)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-69/55, B-C=-105/54
BOT CHORD A-C=-37/41

NOTES- (6)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) 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.
6) 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	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	PB5	Piggyback	4	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:10:18 2019 Page 1
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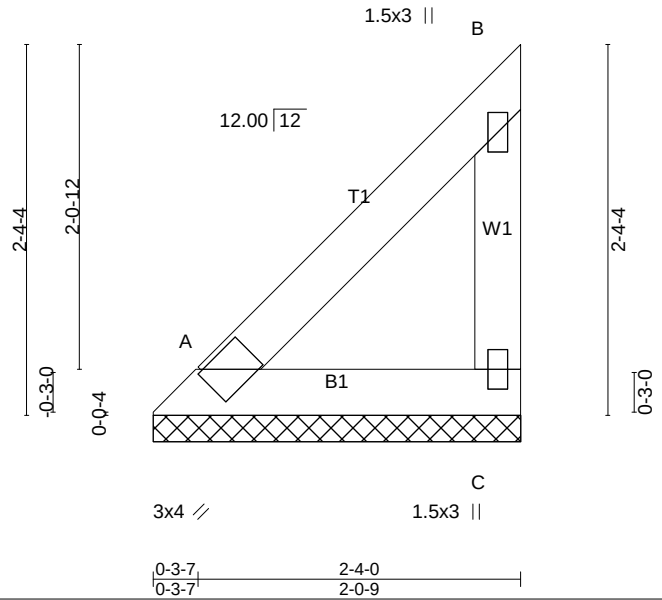

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	C	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 10 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 2-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=74/2-4-0 (min. 0-1-8), C=74/2-4-0 (min. 0-1-8)
Max Horz A=70(LC 7)
Max Uplift C=-33(LC 7)
Max Grav A=84(LC 18), C=91(LC 17)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-63/49, B-C=-72/44
BOT CHORD A-C=-34/37

NOTES- (6)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Gable requires continuous bottom chord bearing.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) 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.
6) 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	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	PB6	Piggyback	1	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:10:21 2019 Page 1
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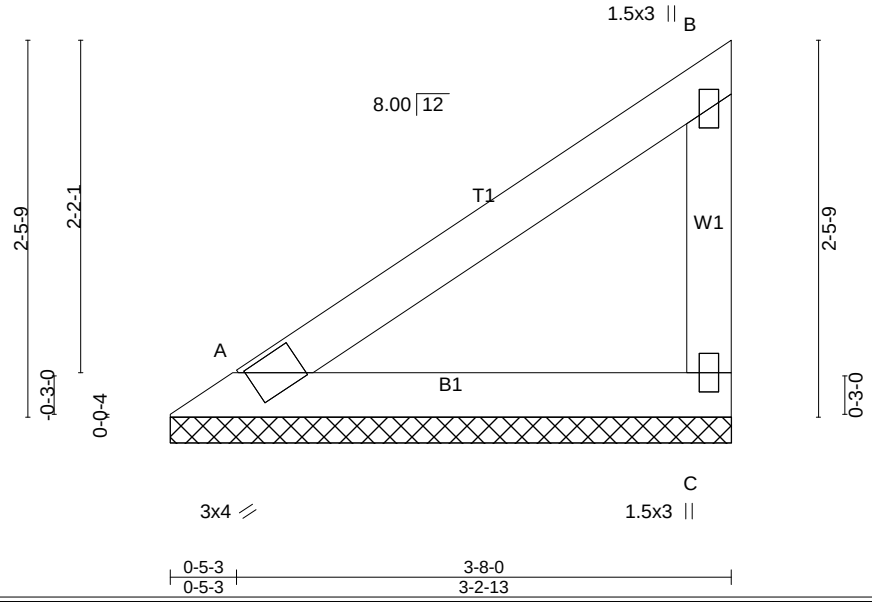

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	C	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 14 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=123/3-8-0 (min. 0-1-8), C=123/3-8-0 (min. 0-1-8)
Max Horz A=77(LC 9)
Max Uplift A=-9(LC 10), C=-36(LC 10)
Max Grav A=123(LC 1), C=135(LC 17)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-69/55, B-C=-105/54
BOT CHORD A-C=-37/41

NOTES- (8)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 4-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) 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) 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	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	PB7	Piggyback	1	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:10:23 2019 Page 1
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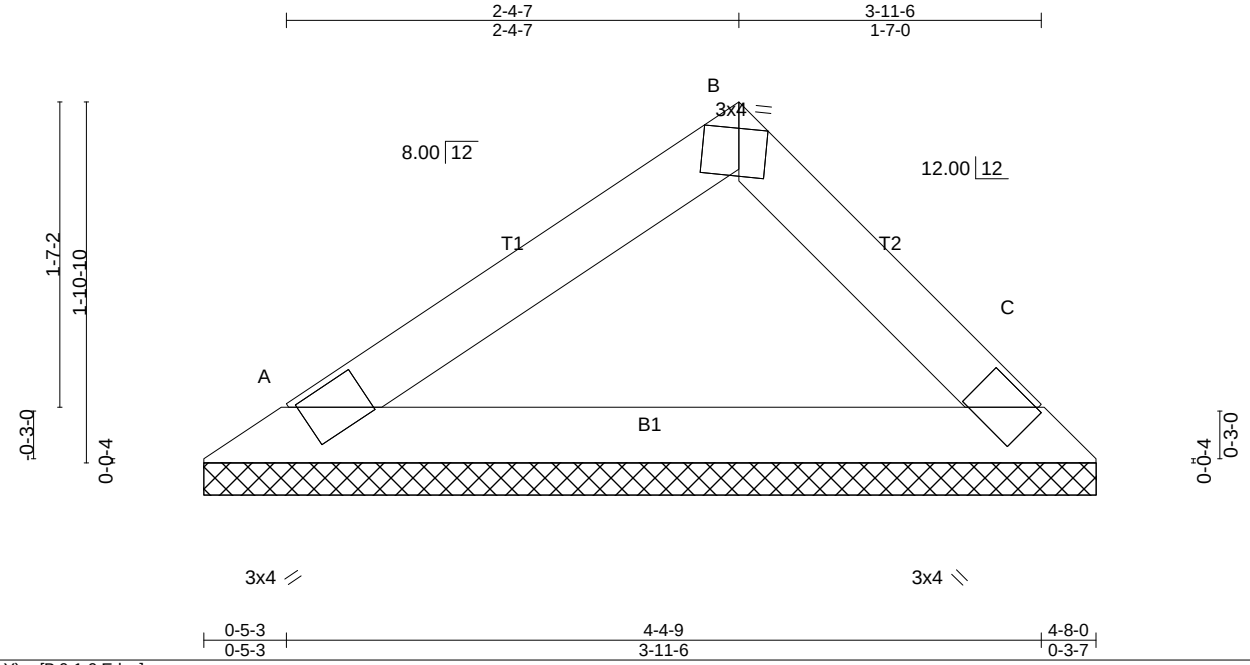

Plate Offsets (X,Y)-- [B:0-1-9,Edge]

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	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	C	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							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 4-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=155/4-8-0 (min. 0-1-8), C=155/4-8-0 (min. 0-1-8)
Max Horz A=-39(LC 8)
Max UpliftA=-18(LC 10), C=-13(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-114/49, B-C=-125/56
BOT CHORD A-C=-11/73

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	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	PB8	Piggyback	4	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:10:25 2019 Page 1
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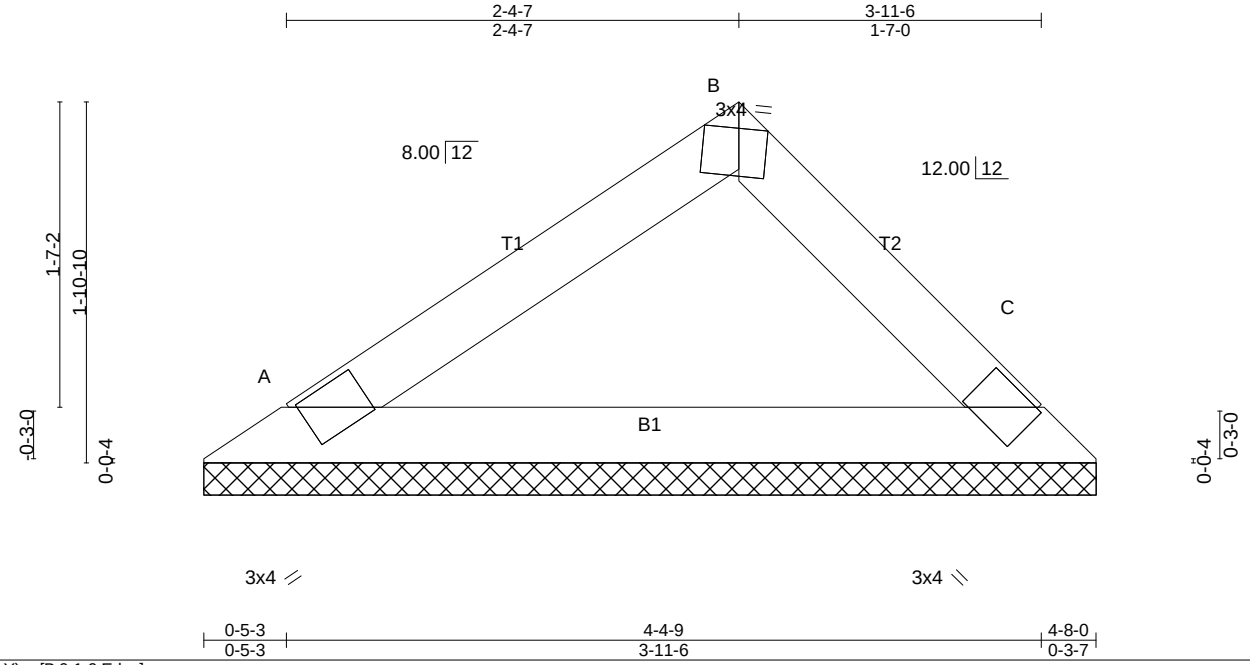

Plate Offsets (X,Y)-- [B:0-1-9,Edge]

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	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	C	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							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 4-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=155/4-8-0 (min. 0-1-8), C=155/4-8-0 (min. 0-1-8)
Max Horz A=-39(LC 8)
Max UpliftA=-18(LC 10), C=-13(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-114/49, B-C=-125/56
BOT CHORD A-C=-11/73

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	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	PB9	Piggyback	3	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:10:28 2019 Page 1
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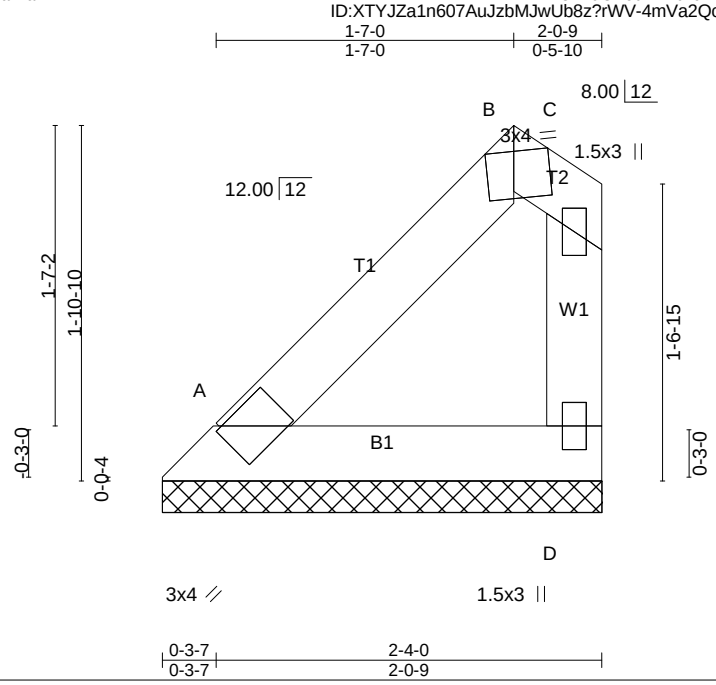

Scale = 1:12.2

Plate Offsets (X,Y)-- [B:0-1-9,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: 10 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 2-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=74/2-4-0 (min. 0-1-8), D=74/2-4-0 (min. 0-1-8)
Max Horz A=56(LC 7)
Max Uplift A=-1(LC 10), D=-21(LC 10)
Max Grav A=75(LC 18), D=81(LC 17)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-60/21, B-C=-51/40, C-D=-52/25
BOT CHORD A-D=-21/24

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	Truss	Truss Type	Qty	Ply	MCKEE/ CLARK II A LHG CLASSIC
69018829	PB10	Piggyback	1	1	Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:10:30 2019 Page 1
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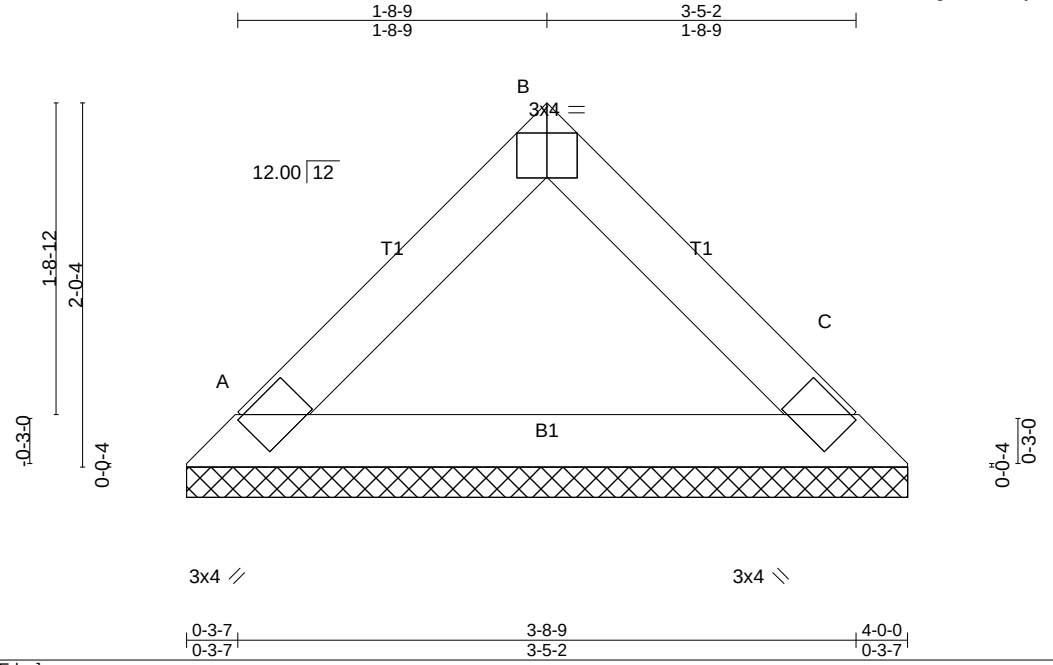

Plate Offsets (X,Y)-- [B:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	C	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 13 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=134/4-0-0 (min. 0-1-8), C=134/4-0-0 (min. 0-1-8)
Max Horz A=-41(LC 6)
Max UpliftA=-11(LC 10), C=-11(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-99/42, B-C=-99/42
BOT CHORD A-C=-11/57

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) 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	Truss	Truss Type	Qty	Ply	
69018829	PB11	PIGGYBACK	1	2	MCKEE/ CLARK II A LHG CLASSIC

Job Reference (optional)

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

8.240 s Feb 11 2019 MiTek Industries, Inc. Wed May 1 15:10:33 2019 Page 1
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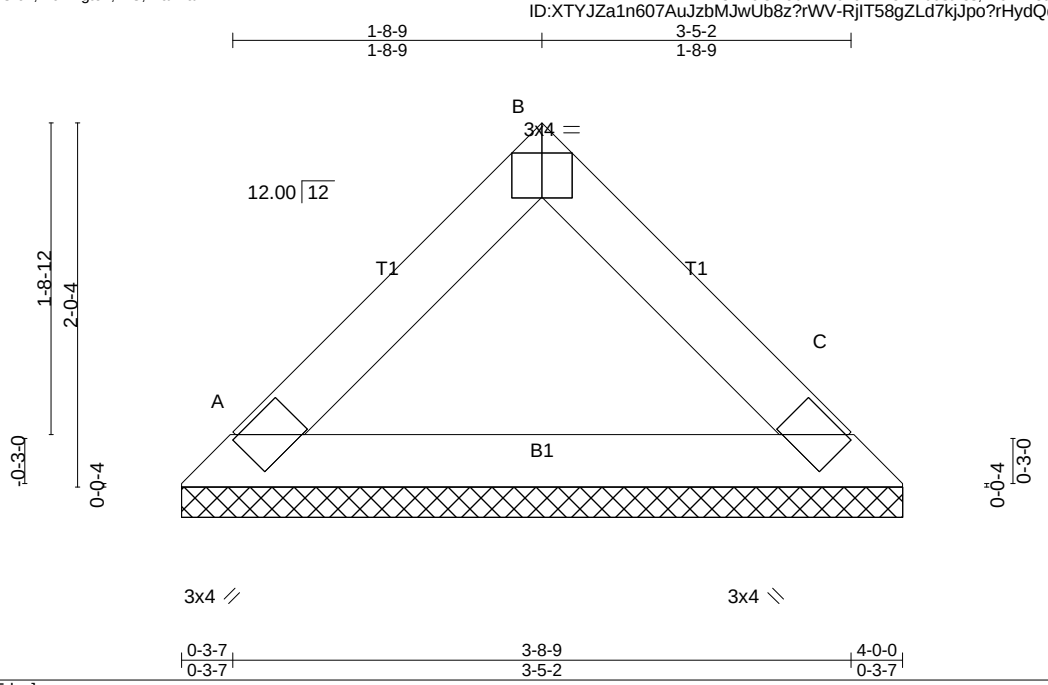

Plate Offsets (X,Y)-- [B:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	C	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 26 lb	FT = 20%

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

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

REACTIONS. (lb/size) A=134/4-0-0 (min. 0-1-8), C=134/4-0-0 (min. 0-1-8)
Max Horz A=41(LC 7)
Max UpliftA=-11(LC 10), C=-11(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=-99/42, B-C=-99/42
BOT CHORD A-C=-11/57

NOTES- (9)
1) 2-ply truss to be connected together as follows:
Top chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) 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
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) 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