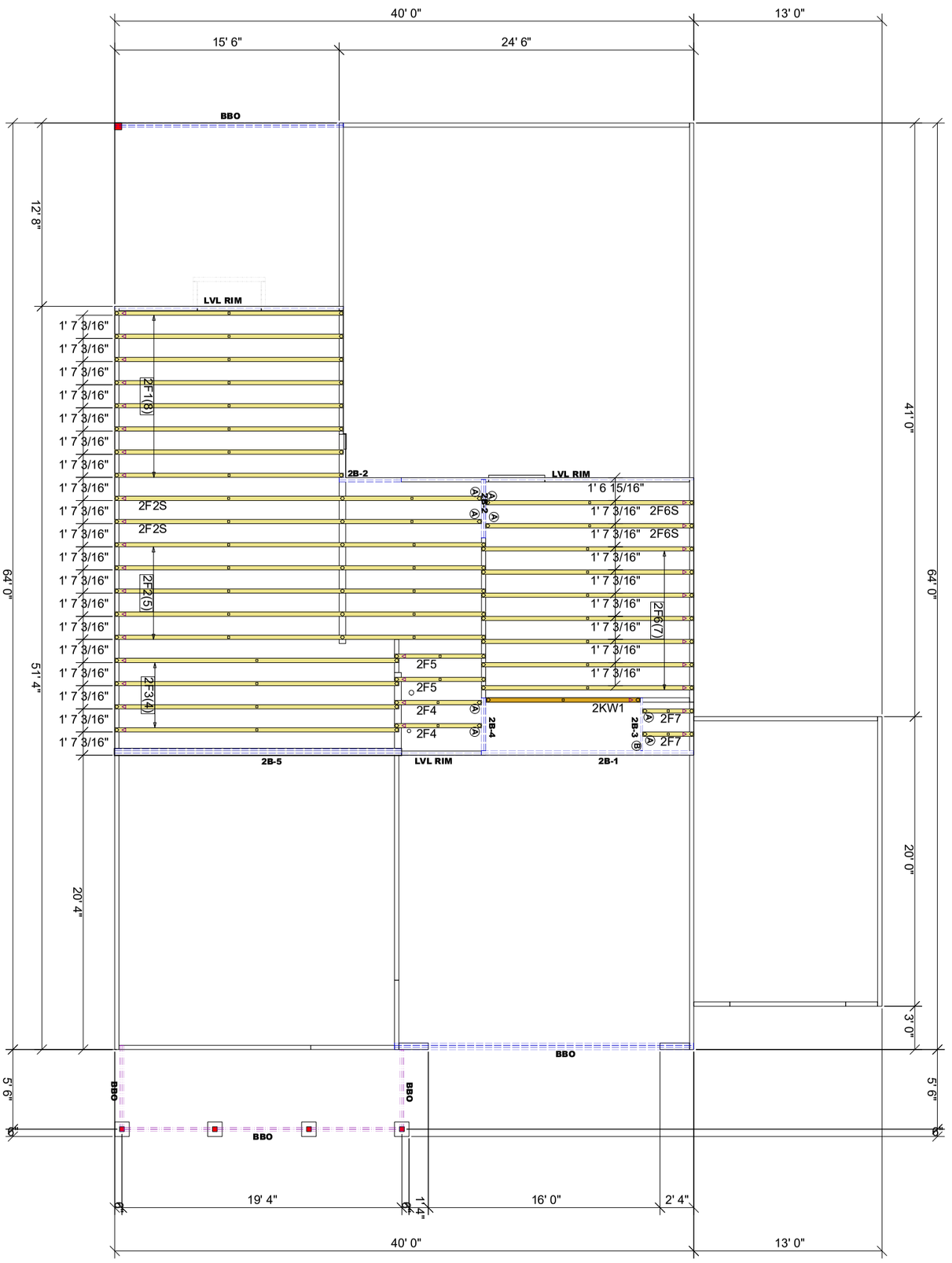
PLACEMENT PLAN



PlotID	Length	Product	Plies	Net Qty	Fab Type
2B-5	20' 0"	1 3/4" x 18" 2.0E Microllam® LVL	3	3	MFD
2B-4	4' 0"	1 3/4" x 14" 2.0E Microllam® LVL	2	2	MFD
2B-3	4' 0"	1 3/4" x 14" 2.0E Microllam® LVL	1	1	MFD
2B-2	6' 0"	1 3/4" x 14" 2.0E Microllam® LVL	2	4	MFD
2B-1	16' 0"	1 3/4" x 14" 2.0E Microllam® LVL	2	2	MFD

FLUSH LVL BEAMS

Ⓑ Ⓐ	HUS1.81/10 LUS48	FACE MOUNT HANGER FACE MOUNT HANGER	1 8

FLOOR HANGER LIST

△ INDICATES LEFT END OF TRUSS

SCALE: N.T.S

REVISIONS		
DATE	DESCRIPTION	DSN
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

DESIGNER AM
LAYOUT DATE 5-5-25
ARCH DATE -
STRUC DATE -

JOB #: 25042672

CLAYTON
LOW-COUNTRY
ROOF

702 BEACON HILL RD.
LILLINGTON, NC 27546

NEW HOMES INC.

LOT 51 DUNCANS CREEK

TRUSSTRAX UFPCONSTRUCTION
TrussTrax.ufpi.com

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Customer Service (800) 476-9356

Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	A1	Truss	12	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue May 20 14:06:08 — Page: 1

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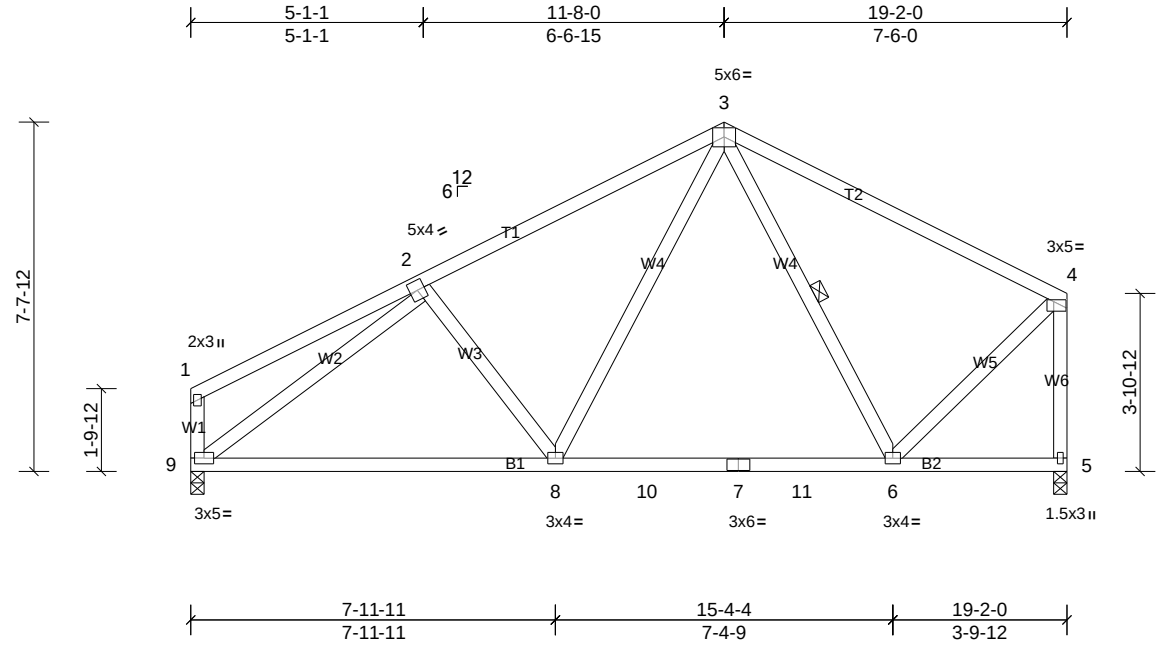


Plate Offsets (X, Y): [4:0-3-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	-0.12	6-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.18	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 115 lb	FT = 20%

LUMBER

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

REACTIONS (lb/size) 5=755/0-3-8, (min. 0-1-8), 9=755/0-3-8, (min. 0-1-8)
Max Horiz 9=192 (LC 9)
Max Uplift 5=-87 (LC 11), 9=-107 (LC 10)

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

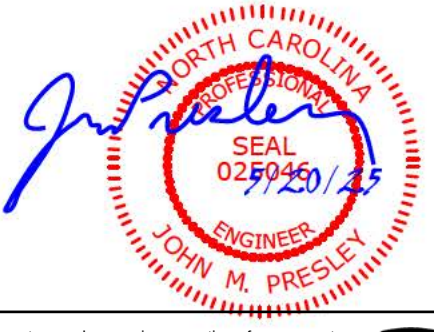
TOP CHORD	2-3=-789/304, 3-4=-509/217, 4-5=-728/210
BOT CHORD	8-9=-169/717, 8-10=-45/478, 7-10=-45/478, 7-11=-45/478, 6-11=-45/478
WEBS	3-8=-71/366, 2-9=-852/221, 4-6=-7/506

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-6

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 107 lb uplift at joint 9 and 87 lb uplift at joint 5.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	A1G	Truss	1	1	Job Reference (optional)

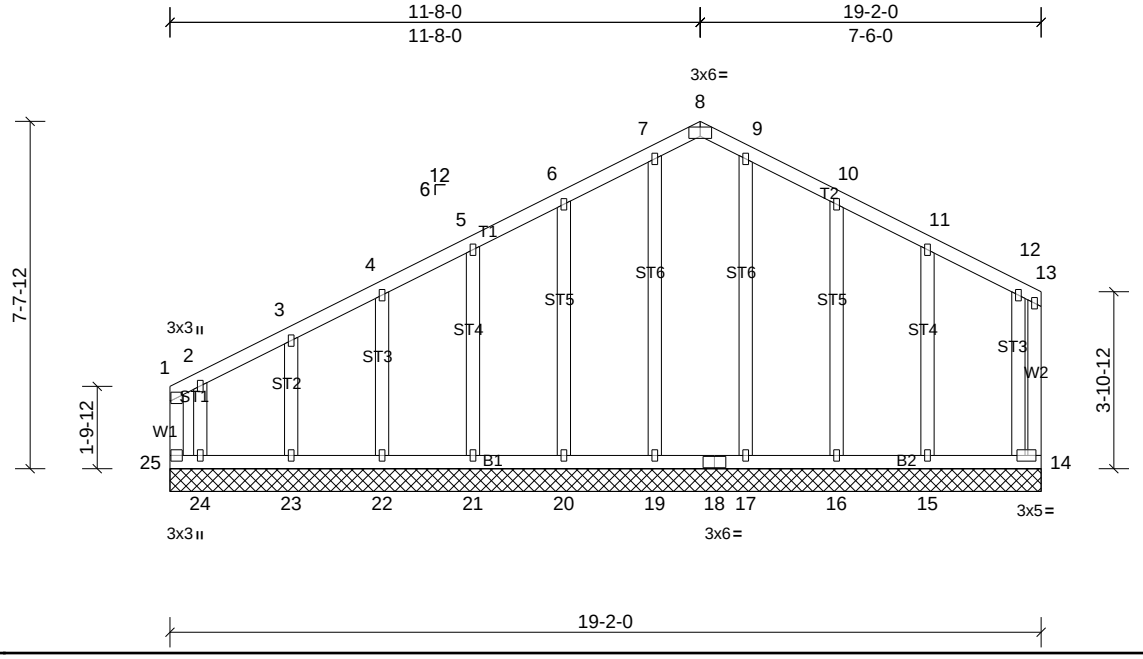


Plate Offsets (X, Y): [8:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.00	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 135 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 All bearings 19-2-0.

(lb) - Max Horiz 25=192 (LC 7)

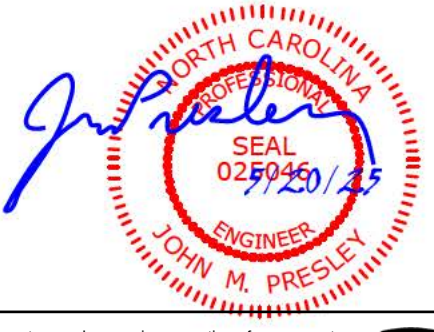
Max Uplift All uplift 100 (lb) or less at joint(s) 14, 15, 16, 20, 21, 22, 23 except 24=-416 (LC 7), 25=-262 (LC 8)

Max Grav All reactions 250 (lb) or less at joint(s) 14, 15, 16, 17, 19, 20, 21, 22, 23 except 24=299 (LC 8), 25=455 (LC 7)

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

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 20, 21, 22, 23, 16, 15 except (jt=lb) 25=262, 24=415.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	A2	Truss	7	1	Job Reference (optional)

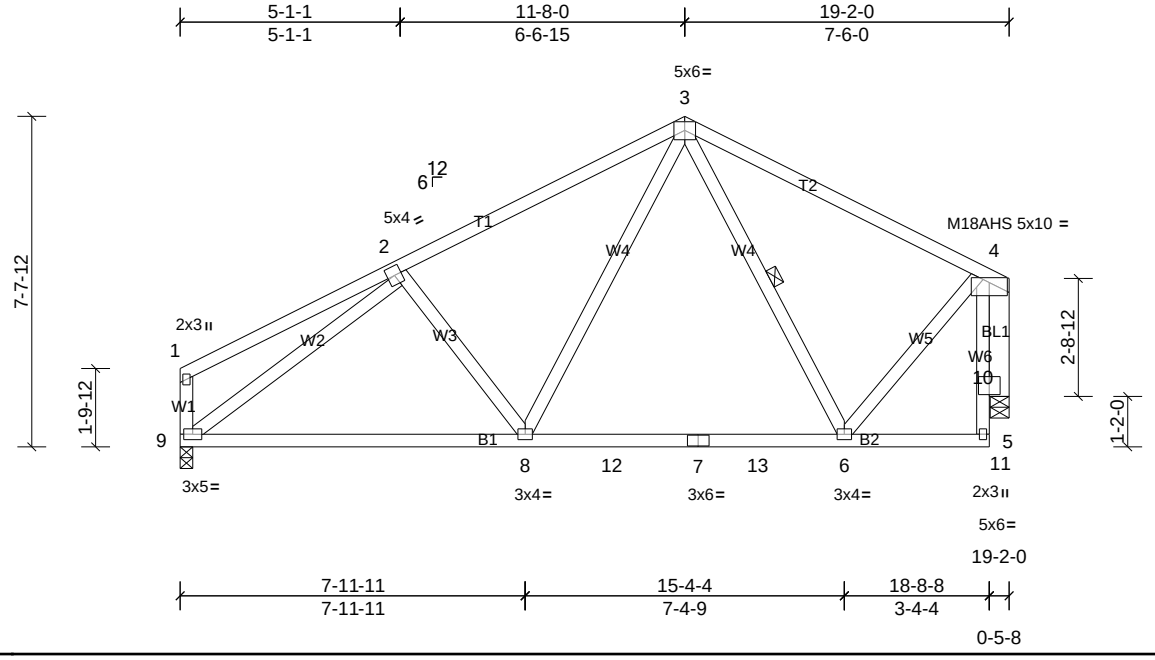


Plate Offsets (X, Y): [4:0-3-4,0-0-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	-0.11	6-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.18	8-9	>999	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 120 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x6 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-7-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-6

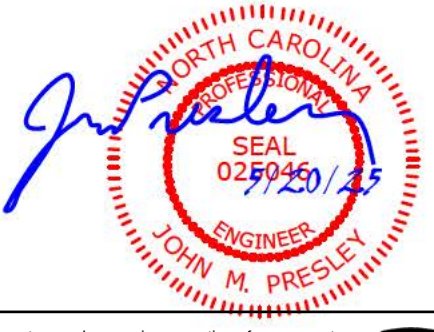
REACTIONS (lb/size) 9=752/0-3-8, (min. 0-1-8), 11=722/0-5-4, (min. 0-1-8)
Max Horiz 9=151 (LC 7)
Max Uplift 9=-99 (LC 10), 11=-82 (LC 10)

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

TOP CHORD	2-3=-785/282, 3-4=-505/184
BOT CHORD	8-9=-247/714, 8-12=-82/470, 7-12=-82/470, 7-13=-82/470, 6-13=-82/470
WEBS	4-6=-24/441, 3-8=-79/368, 2-9=-849/200, 4-11=-734/208

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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) All plates are MT20 plates unless otherwise indicated.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 99 lb uplift at joint 9 and 82 lb uplift at joint 11.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	A2G	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue May 20 14:06:1(— Page: 1

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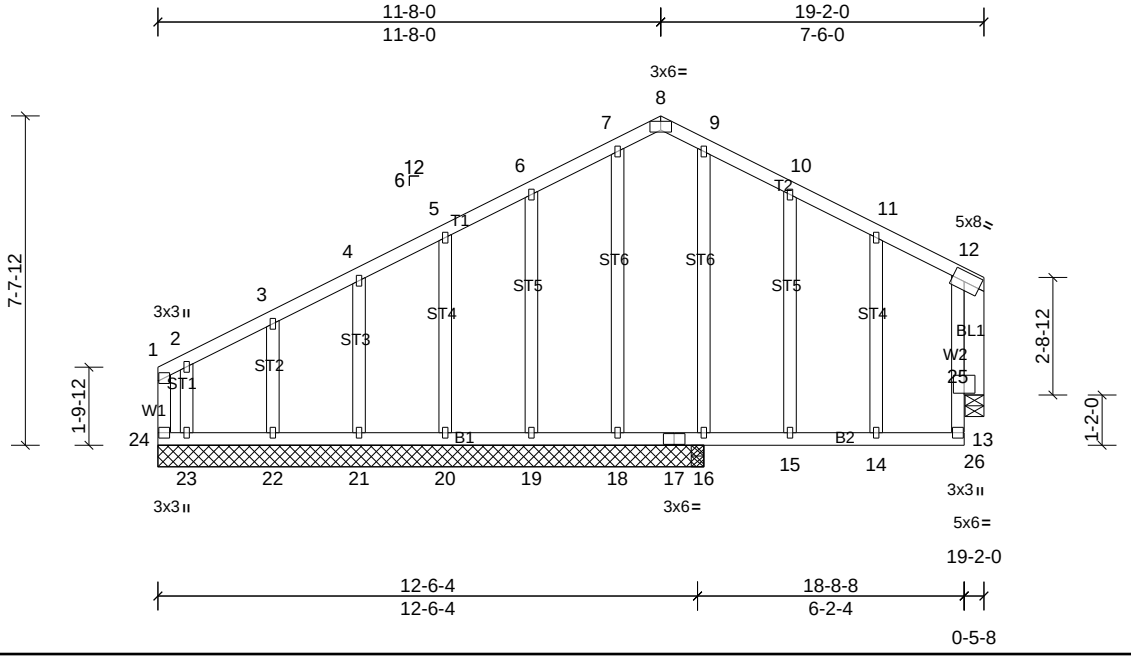


Plate Offsets (X, Y): [8:0-3-0,Edge], [12:0-3-8,0-2-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	0.04	14-15	>999	240	MT20	244/190
TCDL	18.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.08	14-15	>992	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	-0.01	26	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 135 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 *Except* BL1:2x6 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 10-0-0 oc bracing.

REACTIONS All bearings 12-8-0. except 26=0-5-4

(lb) - Max Horiz 24=135 (LC 7)

Max Uplift All uplift 100 (lb) or less at joint(s) 16, 19, 20, 21, 22, 26 except 18=-115 (LC 22), 23=-449 (LC 10), 24=-114 (LC 6)

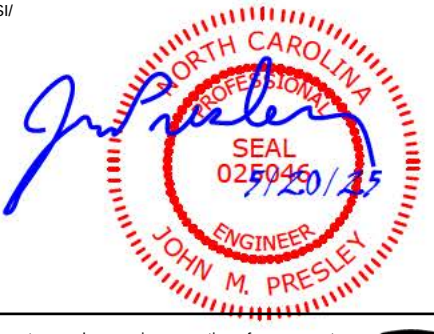
Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23 except 16=507 (LC 1), 24=479 (LC 14), 26=305 (LC 22)

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

TOP CHORD	1-24=-259/50
WEBS	9-16=-263/28, 12-26=-311/119

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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) Truss designed for wind loads in the plane of the truss only.
4) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 26 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 19, 20, 21, 22, 26 except (jt=lb) 24=113, 18=114, 23=449.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	B1	Truss	13	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue May 20 14:06:1: — Page: 1

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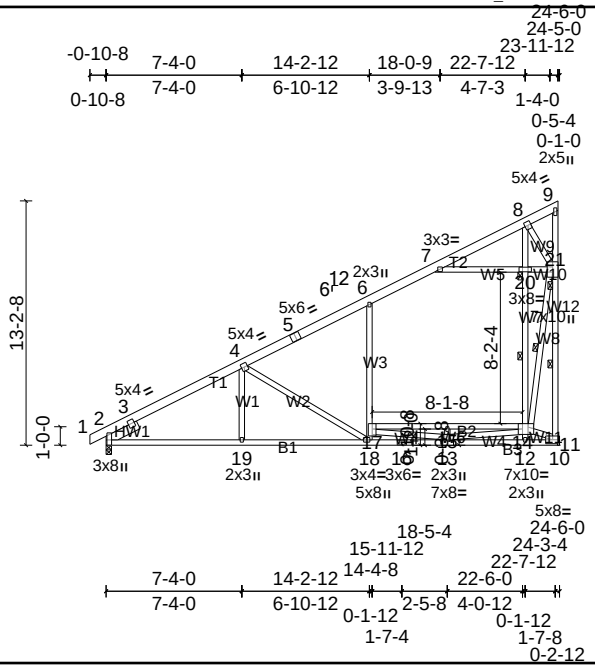


Plate Offsets (X, Y): [2:0-5-14,Edge], [14:0-2-12,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.39	18-19	>753	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.80	18-19	>365	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(CT)	-0.02	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.17	14-17	>562	360	Weight: 224 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP SS *Except* T1:2x6 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2 *Except* W12:2x4 SP SS, W1,W2,W6,W10,W9:2x4 SP No.3, W7:2x4 SP No.1
SLIDER	Left 2x6 SP No.2 -- 1-11-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-9-10 oc purlins, except end verticals.	
BOT CHORD	Rigid ceiling directly applied or 3-4-2 oc bracing.	
WEBS	1 Row at midpt	14-20, 14-21
WEBS	2 Rows at 1/3 pts	9-11

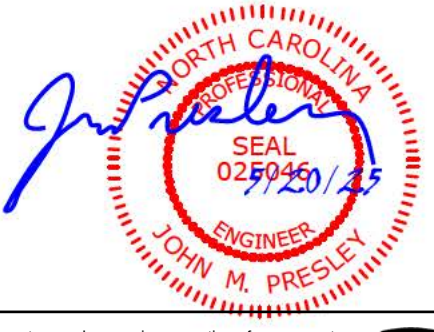
REACTIONS (lb/size) 2=1084/0-3-8, (min. 0-1-8), 11=1178/ Mechanical
Max Horiz 2=505 (LC 10)
Max Uplift 2=-48 (LC 10), 11=-209 (LC 10)
Max Grav 2=1084 (LC 1), 11=1427 (LC 2)

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

TOP CHORD	2-3=-552/7, 3-4=-1641/62, 4-5=-1101/0, 5-6=-963/0, 6-7=-754/0, 7-8=-441/1025, 11-21=-2604/533
BOT CHORD	2-19=-536/1400, 18-19=-506/1400, 16-18=-272/1022, 13-16=-272/1022, 12-13=-2507/562, 11-12=-2281/520, 15-17=-523/880, 14-15=-523/880
WEBS	4-19=0/289, 4-18=-710/340, 17-18=-67/458, 6-17=0/426, 14-20=-1842/741, 8-20=-1783/753, 7-20=-1764/505, 13-15=-491/0, 11-14=-585/2562, 20-21=-1698/490, 8-21=-502/1571, 14-21=-1001/3940, 13-14=-252/2919, 13-17=-1078/601

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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) The Fabrication Tolerance at joint 14 = 4%
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 6-7, 7-20, 20-21
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 15-17, 14-15
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 209 lb uplift at joint 11 and 48 lb uplift at joint 2.
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) Attic room checked for L/360 deflection.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	B1G	Truss	1	1	Job Reference (optional)

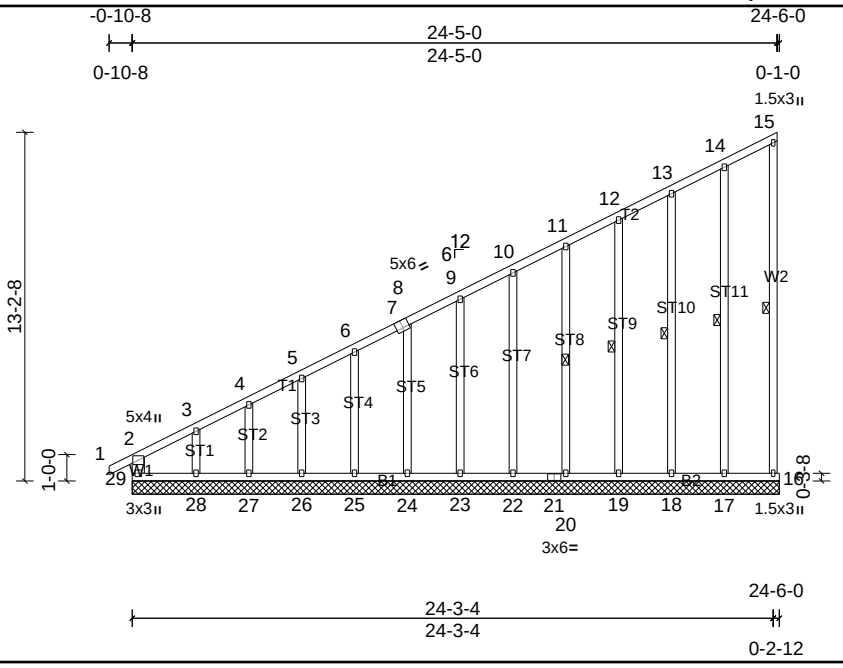


Plate Offsets (X, Y): [7:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	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	0.31	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 208 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 15-16, 14-17, 13-18, 12-19, 11-20

REACTIONS All bearings 24-6-0.

(lb) - Max Horiz 29=493 (LC 10)

Max Uplift All uplift 100 (lb) or less at joint(s) 16, 17, 18, 19, 20, 22, 23, 24, 25, 26 except 28=-351 (LC 10)

Max Grav All reactions 250 (lb) or less at joint(s) 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28 except 29=417 (LC 10)

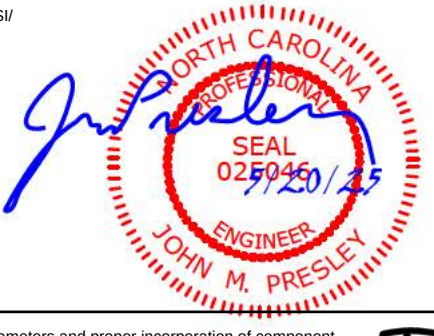
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-29=-312/97, 2-3=-645/235, 3-4=-505/181, 4-5=-478/174, 5-6=-424/154, 6-7=-375/128, 7-8=-366/137, 8-9=-325/120, 9-10=-275/103

WEBS 3-28=-159/288

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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) Truss designed for wind loads in the plane of the truss only.
4) All plates are 2x3 (||) 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 17, 18, 19, 20, 22, 23, 24, 25, 26 except (jt=lb) 28=350.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	B2	Truss	7	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue May 20 14:06:12 — Page: 1

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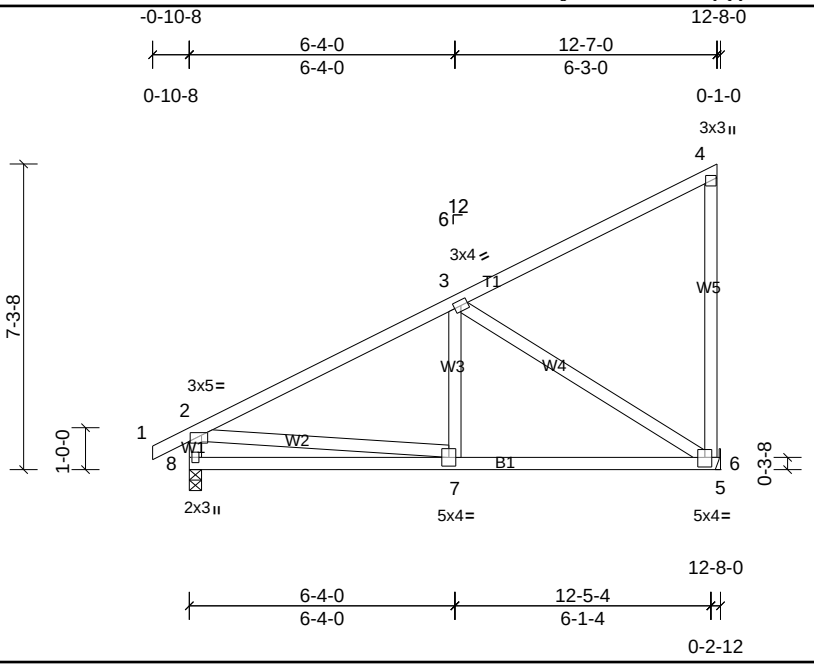


Plate Offsets (X, Y): [2:0-3-4,0-2-4], [6:0-2-0,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	0.06	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.07	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 76 lb	FT = 20%

LUMBER

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

BRACING

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

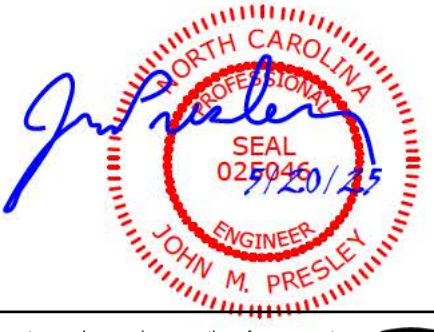
REACTIONS (lb/size) 6=494/ Mechanical, 8=555/0-3-8, (min. 0-1-8)
Max Horiz 8=255 (LC 10)
Max Uplift 6=-175 (LC 10), 8=-82 (LC 7)

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

TOP CHORD	2-3=-598/385, 2-8=-499/335
BOT CHORD	7-8=-521/260, 6-7=-559/465
WEBS	3-7=-281/255, 3-6=-537/647, 2-7=-39/264

NOTES

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left exposed; porch 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 8 and 175 lb uplift at joint 6.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	B2G	Truss	1	1	Job Reference (optional)

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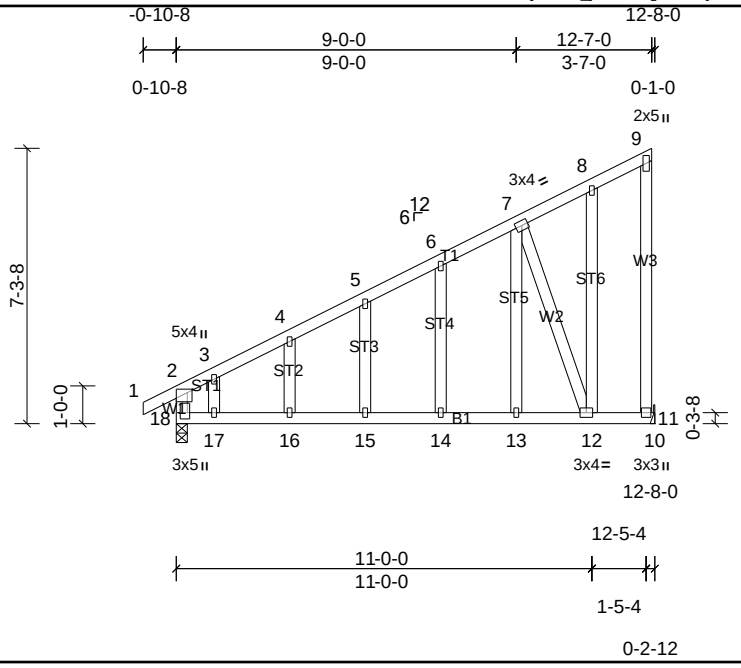


Plate Offsets (X, Y): [18:0-2-0,0-1-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	0.33	15-16	>447	240	MT20	244/190
TCDL	18.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.35	15-16	>426	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 91 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
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 6-9-12 oc bracing.

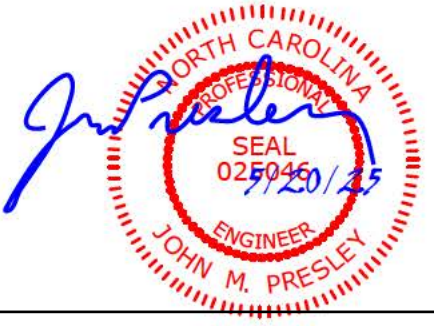
REACTIONS (lb/size) 11=591/ Mechanical, 18=671/0-3-8, (min. 0-1-8)
Max Horiz 18=255 (LC 10)
Max Uplift 11=-175 (LC 10), 18=-82 (LC 7)

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

TOP CHORD	2-3=-563/219, 3-4=-536/224, 4-5=-491/241, 5-6=-458/259, 6-7=-414/273, 9-11=-280/260, 2-18=-515/297
BOT CHORD	17-18=-423/411, 16-17=-423/411, 15-16=-423/411, 14-15=-423/411, 13-14=-423/411, 12-13=-423/411
WEBS	7-13=-636/566, 8-12=-468/407, 7-12=-1075/1111

NOTES

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left exposed; porch 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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 175 lb uplift at joint 11 and 82 lb uplift at joint 18.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	B3	Truss	9	1	Job Reference (optional)

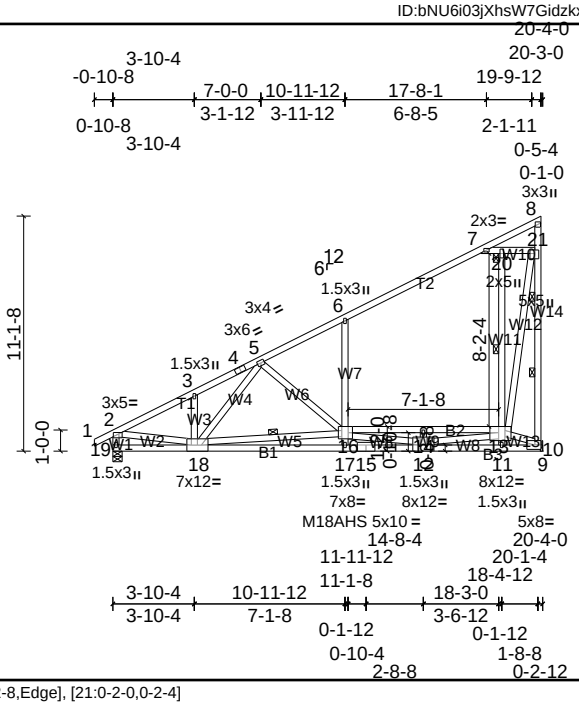


Plate Offsets (X, Y): [2:0-3-4,0-2-4], [13:0-5-0,Edge], [16:0-2-8,Edge], [21:0-2-0,0-2-4]

Loading	(psf)	Spacing	2-10-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.33	17-18	>728	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.67	17-18	>359	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.98	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.15	13-16	>582	360	Weight: 178 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP SS *Except* T1:2x4 SP No.2
BOT CHORD	2x4 SP SS *Except* B2:2x4 SP No.2, B3:2x4 SP No.1
WEBS	2x4 SP No.3 *Except* W14:2x4 SP SS, W7,W11,W10,W13,W12:2x4 SP No.2, W8:2x4 SP No.1

REACTIONS (lb/size) 10=1382/ Mechanical, 19=1304/0-5-4, (min. 0-1-9)
Max Horiz 19=581 (LC 10)
Max Uplift 10=-244 (LC 10), 19=-50 (LC 10)
Max Grav 10=1682 (LC 2), 19=1312 (LC 2)

BRACING

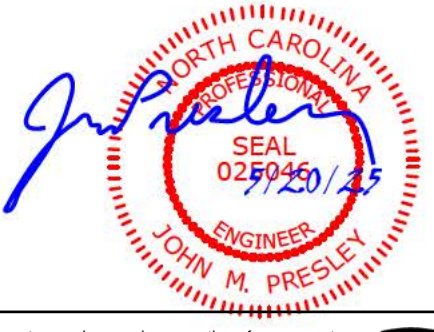
TOP CHORD	2-0-0 oc purlins (4-2-5 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 3-5-6 oc bracing.
WEBS	1 Row at midpt 13-20, 16-18
WEBS	2 Rows at 1/3 pts 8-10
JOINTS	1 Brace at Jt(s): 8, 20, 2

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

TOP CHORD	2-3=-1813/51, 3-4=-1756/129, 4-5=-1667/151, 5-6=-897/0, 6-7=-832/0, 10-21=-2914/614, 2-19=-1288/173
BOT CHORD	18-19=-683/340, 17-18=-1081/4084, 15-17=-1157/4278, 12-15=-1157/4278, 11-12=-2591/603, 10-11=-2453/589, 14-16=-1336/0, 13-14=-1336/0
WEBS	16-17=0/262, 6-16=-393/293, 11-13=0/302, 13-20=-522/334, 7-20=-788/200, 20-21=-783/202, 2-18=0/1439, 12-14=-595/0, 12-16=-2658/1122, 12-13=-691/4642, 16-18=-2886/646, 5-16=-660/341, 10-13=-660/2728, 13-21=-721/3125, 5-18=-258/592

NOTES

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Ceiling dead load (5.0 psf) on member(s). 6-7, 7-20, 20-21
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 14-16, 13-14
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 244 lb uplift at joint 10 and 50 lb uplift at joint 19.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	B3G	Truss	1	1	Job Reference (optional)

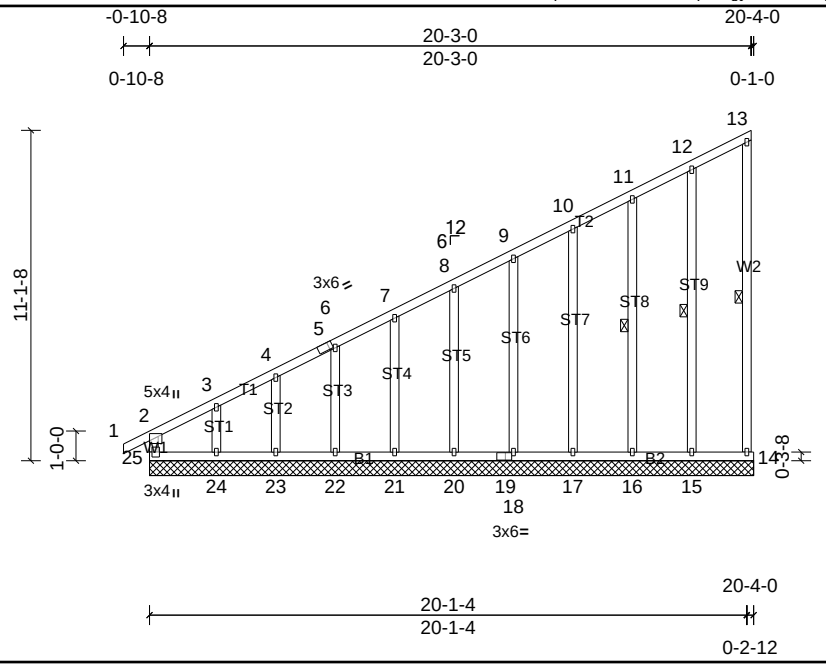


Plate Offsets (X, Y): [5:0-1-10,Edge], [19:0-2-8,0-1-8], [25:0-2-0,0-1-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 157 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 13-14, 12-15, 11-16

REACTIONS All bearings 20-4-0.

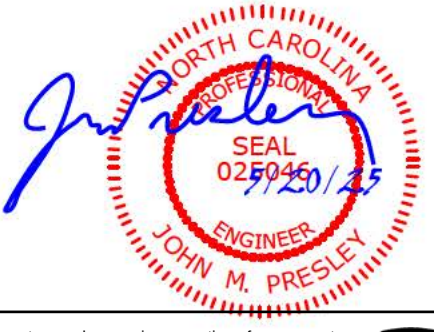
(lb) - Max Horiz 25=410 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 14, 15, 16, 17, 18, 20, 21, 22 except 24=-293 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 14, 15, 16, 17, 18, 20, 21, 22, 23, 24 except 25=337 (LC 10)

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

TOP CHORD 2-3=-528/194, 3-4=-410/149, 4-5=-377/129, 5-6=-368/139, 6-7=-324/120, 7-8=-275/103

NOTES

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only.
3) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 100 lb uplift at joint(s) 14, 15, 16, 17, 18, 20, 21, 22 except (jt=lb) 24=293.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	B4	Truss	1	1	Job Reference (optional)

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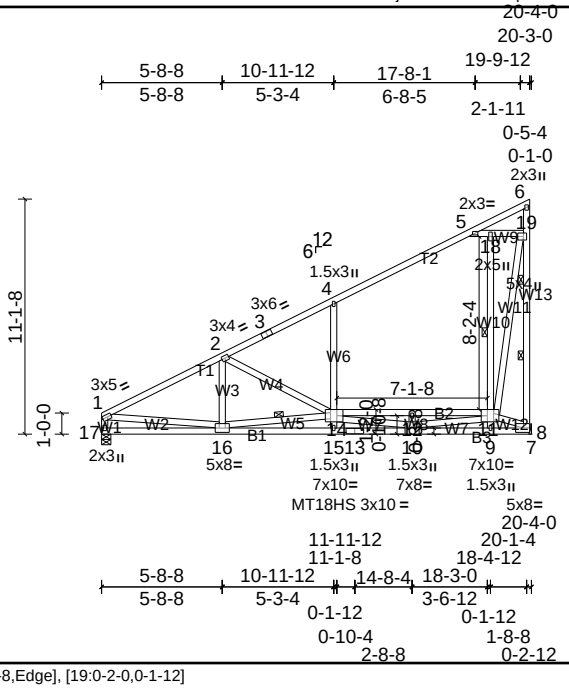


Plate Offsets (X, Y): [1:0-2-0,0-1-8], [11:0-3-8,Edge], [14:0-3-8,Edge], [19:0-2-0,0-1-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.25	15	>974	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.48	15-16	>495	180	MT18HS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	0.11	11-14	>784	360	Weight: 172 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* W13,W6,W10,W9,W7:2x4 SP No.2

REACTIONS (lb/size) 8=977/ Mechanical, 17=858/0-5-4, (min. 0-1-8)
Max Horiz 17=392 (LC 10)
Max Uplift 8=-172 (LC 10), 17=-12 (LC 10)
Max Grav 8=1189 (LC 2), 17=874 (LC 2)

BRACING

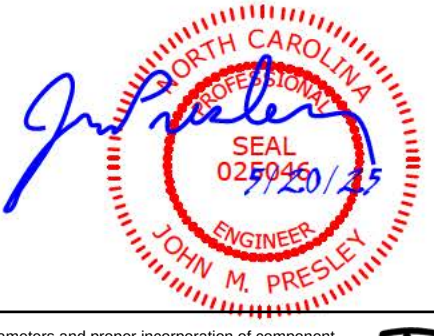
TOP CHORD	Structural wood sheathing directly applied or 4-9-14 oc purlins, except end verticals.	
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.	
WEBS	1 Row at midpt	11-18, 14-16
WEBS	2 Rows at 1/3 pts	6-8

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

TOP CHORD	1-2=-1322/31, 2-3=-607/0, 3-4=-537/0, 4-5=-558/0, 8-19=-1925/409, 1-17=-827/75
BOT CHORD	16-17=-486/269, 15-16=-847/3153, 13-15=-895/3279, 10-13=-895/3279, 9-10=-1560/373, 8-9=-1461/362, 12-14=-1194/0, 11-12=-1194/0
WEBS	2-16=-26/384, 4-14=-328/223, 11-18=-366/239, 5-18=-511/130, 18-19=-507/132, 1-16=0/1006, 8-11=-404/1624, 11-19=-488/2062, 10-12=-415/0, 10-14=-1857/823, 10-11=-483/3283, 14-16=-2047/450, 2-14=-737/318

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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) All plates are MT20 plates unless otherwise indicated.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 4-5, 5-18, 18-19
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-14, 11-12
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 172 lb uplift at joint 8 and 12 lb uplift at joint 17.
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) Attic room checked for L/360 deflection.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	B5	Truss	9	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue May 20 14:06:14 — Page: 1

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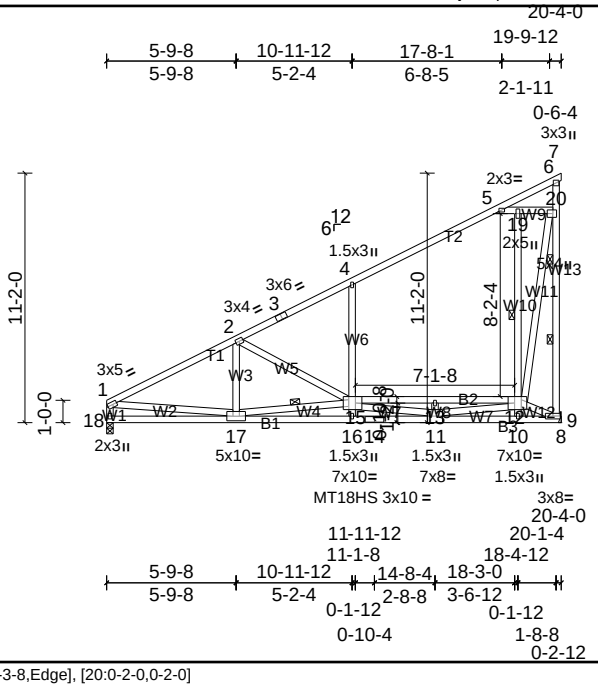


Plate Offsets (X, Y): [1:0-2-0,0-1-8], [12:0-3-8,Edge], [15:0-3-8,Edge], [20:0-2-0,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.24	16	>982	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.48	16	>498	180	MT18HS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	0.11	12-15	>784	360	Weight: 172 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* W13,W6,W10,W9,W7:2x4 SP No.2

REACTIONS (lb/size) 9=982/ Mechanical, 18=858/0-3-8, (min. 0-1-8)
Max Horiz 18=396 (LC 10)
Max Uplift 9=-180 (LC 10), 18=-10 (LC 10)
Max Grav 9=1193 (LC 2), 18=874 (LC 2)

BRACING

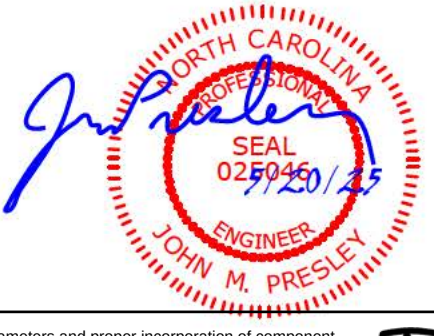
TOP CHORD	Structural wood sheathing directly applied or 4-9-10 oc purlins, except end verticals.	
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.	
WEBS	1 Row at midpt	12-19, 15-17
WEBS	2 Rows at 1/3 pts	6-9

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

TOP CHORD	1-2=-1321/30, 2-3=-608/0, 3-4=-536/0, 4-5=-556/0, 9-20=-1924/405, 1-18=-826/75
BOT CHORD	17-18=-488/273, 16-17=-847/3156, 14-16=-894/3281, 11-14=-894/3281, 10-11=-1547/370, 9-10=-1448/359, 13-15=-1202/0, 12-13=-1202/0
WEBS	2-17=-28/390, 2-15=-739/318, 4-15=-324/220, 12-19=-369/241, 5-19=-521/132, 19-20=-517/134, 1-17=0/998, 11-13=-415/0, 11-15=-1850/822, 11-12=-480/3278, 9-12=-401/1610, 12-20=-487/2057, 15-17=-2053/452

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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) All plates are MT20 plates unless otherwise indicated.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 4-5, 5-19, 19-20
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-15, 12-13
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 180 lb uplift at joint 9 and 10 lb uplift at joint 18.
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) Attic room checked for L/360 deflection.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	B5G	Truss	1	1	Job Reference (optional)

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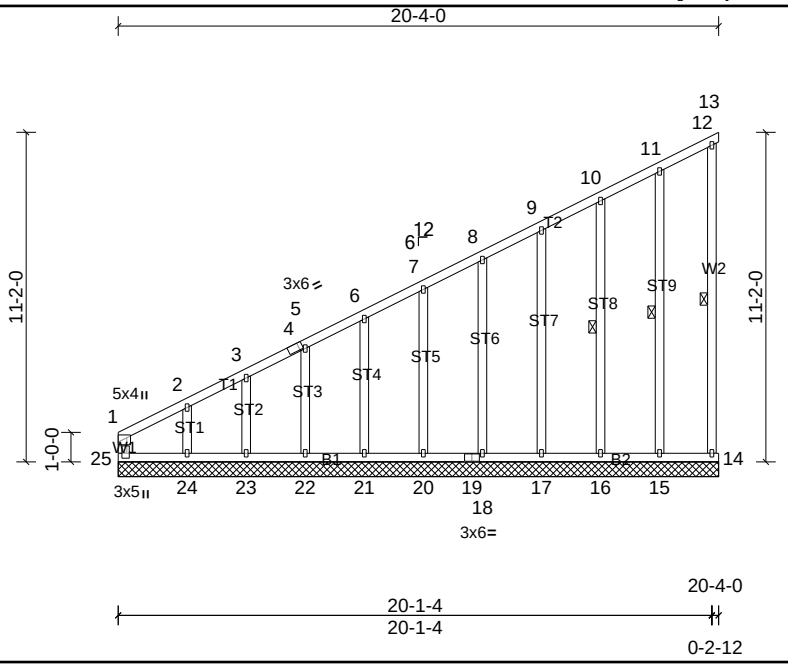


Plate Offsets (X, Y): [4:0-1-10,Edge], [25:0-2-0,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horiz(TL)	-0.05	13	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 156 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 12-14, 11-15, 10-16

REACTIONS All bearings 20-4-0.

(lb) - Max Horiz 25=397 (LC 10)

Max Uplift All uplift 100 (lb) or less at joint(s) 13, 14, 15, 16, 17, 18, 20, 21, 22 except 24=-294 (LC 10)

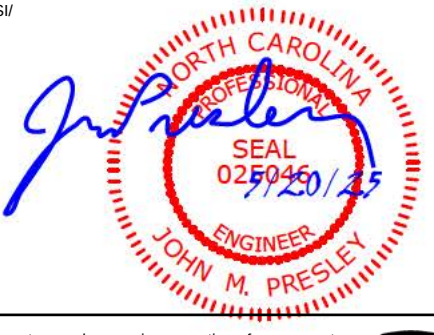
Max Grav All reactions 250 (lb) or less at joint(s) 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24 except 25=359 (LC 10)

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

TOP CHORD 1-25=-281/78, 1-2=-527/194, 2-3=-414/150, 3-4=-380/130, 4-5=-372/140, 5-6=-328/121, 6-7=-279/104

NOTES

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only.
3) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 14, 15, 16, 17, 18, 20, 21, 22 except (jt=lb) 24=294.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	C1	Truss	2	1	Job Reference (optional)

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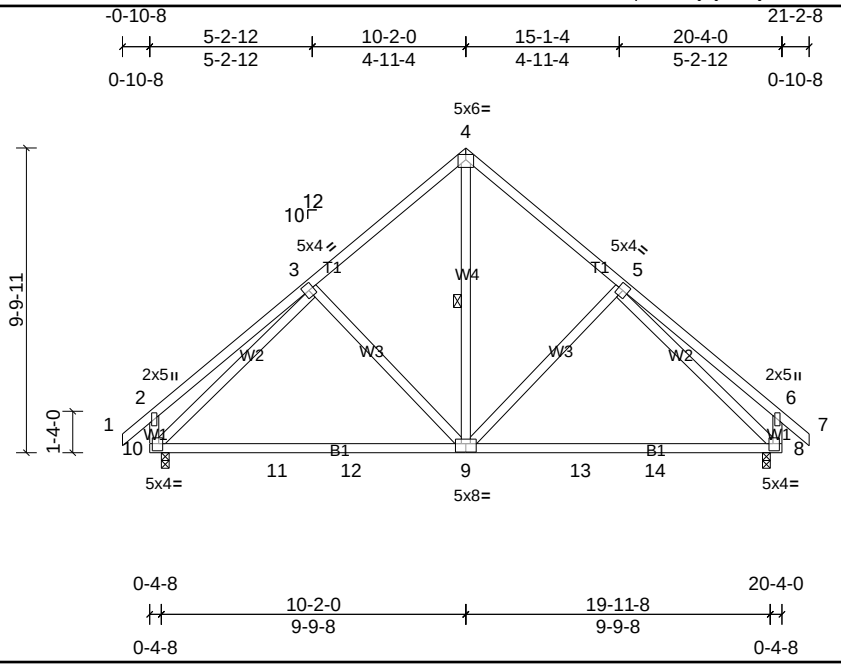


Plate Offsets (X, Y): [8:0-1-8,0-2-12], [9:0-4-0,0-3-4], [10:0-1-8,0-2-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	0.34	9-10	>701	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.40	9-10	>603	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 131 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 2-2-0 oc bracing.
WEBS	1 Row at midpt 4-9

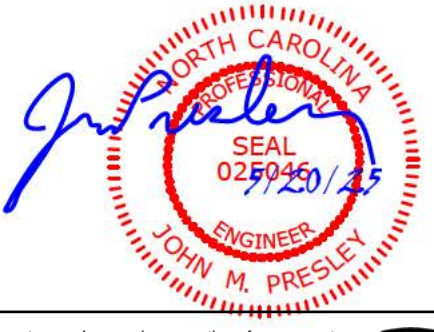
REACTIONS (lb/size) 8=863/0-3-0, (min. 0-1-8), 10=863/0-3-0, (min. 0-1-8)
Max Horiz 10=280 (LC 9)
Max Uplift 8=-106 (LC 11), 10=-106 (LC 10)

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

TOP CHORD	2-3=-306/418, 3-4=-692/652, 4-5=-692/652, 5-6=-306/418, 2-10=-339/364, 6-8=-338/364
BOT CHORD	10-11=-287/623, 11-12=-287/623, 9-12=-287/623, 9-13=-287/569, 13-14=-287/569, 8-14=-287/569
WEBS	4-9=-690/525, 5-9=-260/246, 3-9=-260/246, 3-10=-620/211, 5-8=-620/211

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 8 and 106 lb uplift at joint 10.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	C1G	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue May 20 14:06:16 — Page: 1

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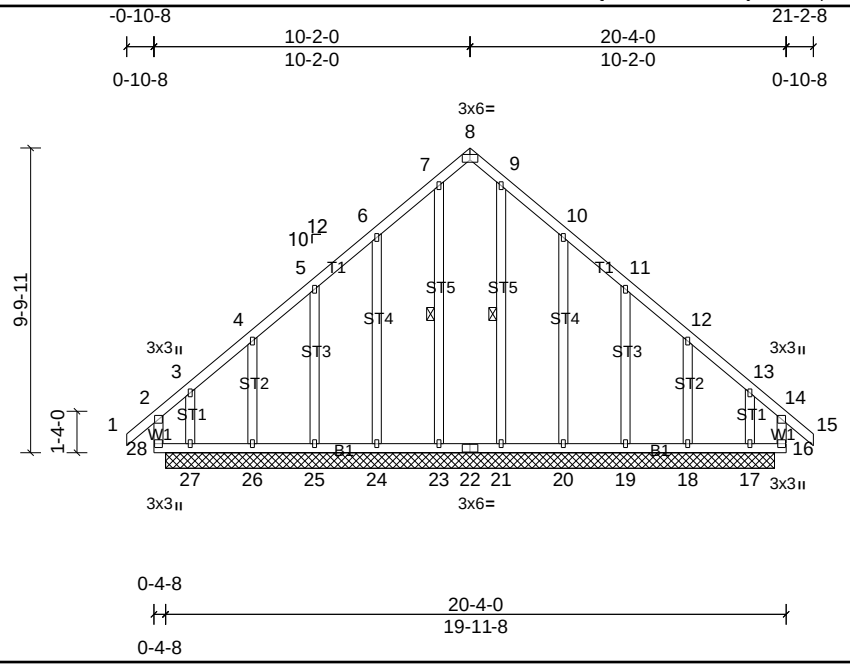


Plate Offsets (X, Y): [8:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	17	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 152 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 10-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 7-23, 9-21

REACTIONS All bearings 19-7-0.

(lb) - Max Horiz 27=280 (LC 9)

Max Uplift All uplift 100 (lb) or less at joint(s) 19, 25 except 17=-150 (LC 7), 18=-218 (LC 11), 20=-150 (LC 11), 24=-150 (LC 10), 26=-222 (LC 10), 27=-159 (LC 6)

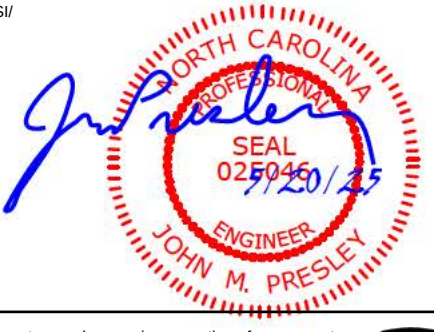
Max Grav All reactions 250 (lb) or less at joint(s) 19, 20, 21, 23, 24, 25 except 17=306 (LC 17), 18=283 (LC 9), 26=291 (LC 8), 27=313 (LC 18)

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

TOP CHORD 6-7=-280/337, 9-10=-280/337

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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) 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 3-06-00 tall by 2-00-00 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 100 lb uplift at joint(s) 25, 19 except (jt=lb) 24=150, 26=221, 27=159, 20=150, 18=218, 17=149.
10) Non Standard bearing condition. Review required.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	D1	Truss	6	1	Job Reference (optional)

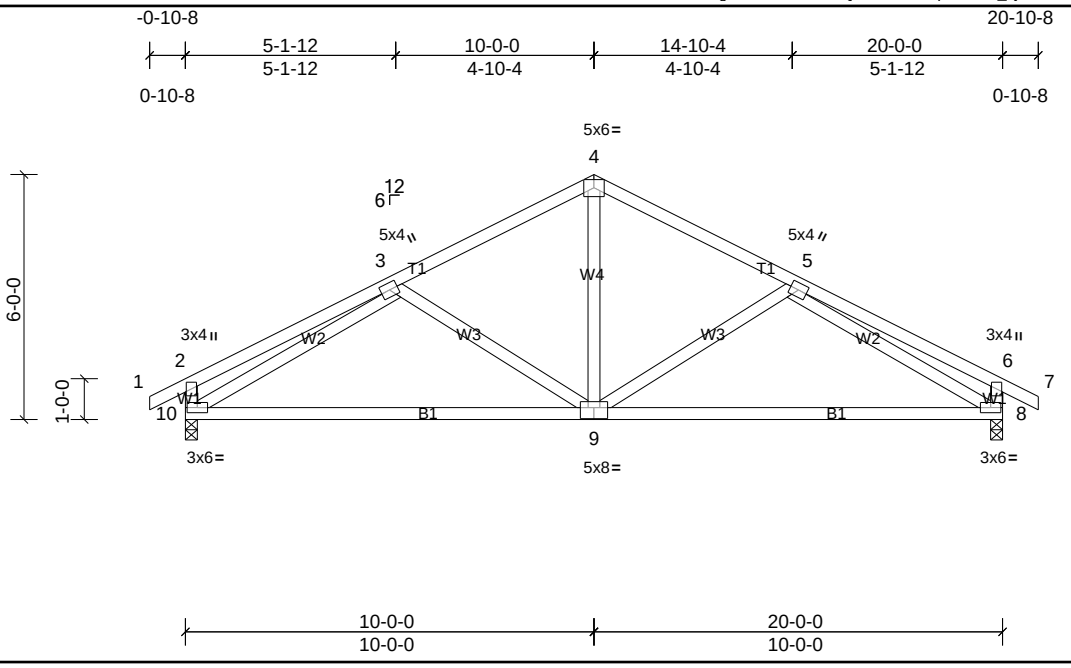


Plate Offsets (X, Y): [9:0-4-0,0-3-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.19	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.38	9-10	>626	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 110 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 5-11-1 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.

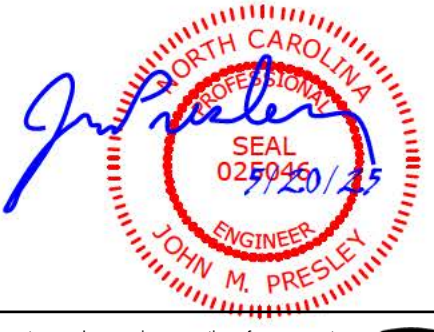
REACTIONS (lb/size) 8=850/0-3-8, (min. 0-1-8), 10=850/0-3-8, (min. 0-1-8)
Max Horiz 10=-98 (LC 8)
Max Uplift 8=-128 (LC 11), 10=-128 (LC 10)

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

TOP CHORD	2-3=-320/117, 3-4=-880/276, 4-5=-880/276, 5-6=-320/117, 2-10=-322/183, 6-8=-322/183
BOT CHORD	9-10=-177/899, 8-9=-177/899
WEBS	4-9=-89/490, 3-10=-803/238, 5-8=-803/238

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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 3-06-00 tall by 2-00-00 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 128 lb uplift at joint 10 and 128 lb uplift at joint 8.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	D1G	Truss	1	1	Job Reference (optional)

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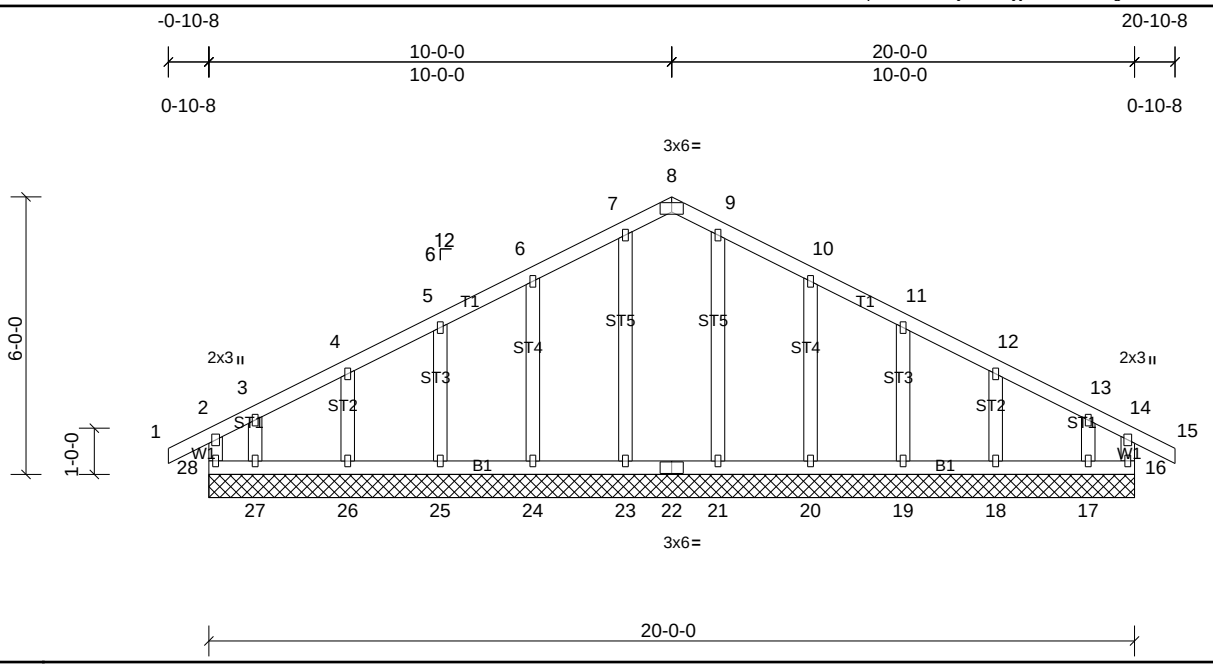


Plate Offsets (X, Y): [8:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	16	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 112 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 All bearings 20-0-0.

(lb) - Max Horiz 28=-98 (LC 8)

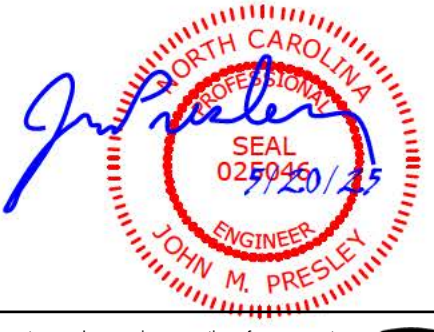
Max Uplift All uplift 100 (lb) or less at joint(s) 16, 18, 19, 20, 24, 25, 26, 28 except 17=-114 (LC 11), 27=-125 (LC 10)

Max Grav All reactions 250 (lb) or less at joint(s) 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28

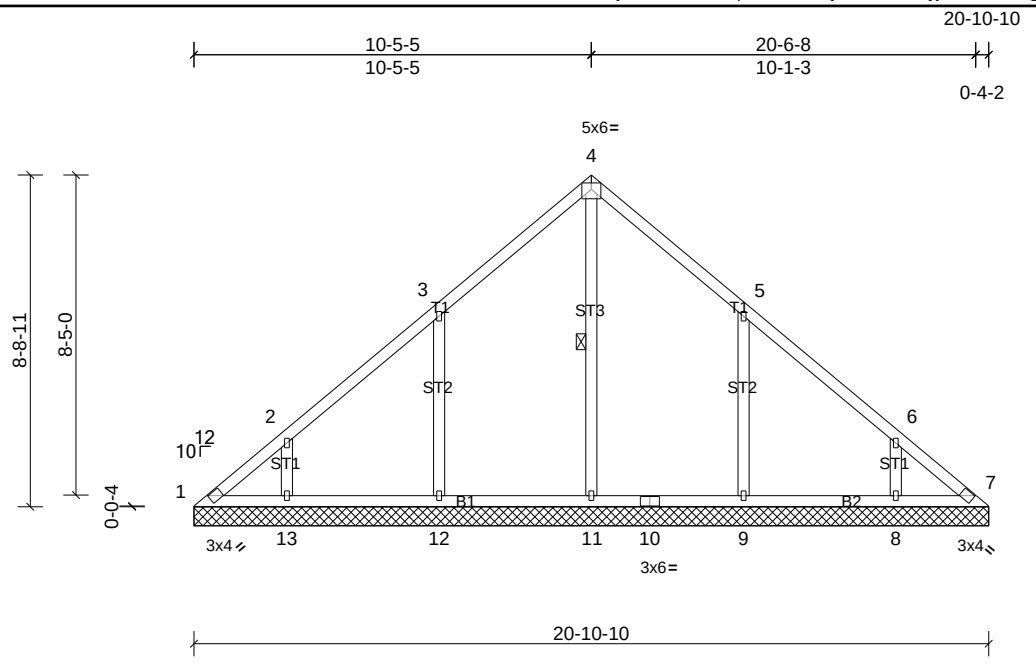
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 28, 16, 24, 25, 26, 20, 19, 18 except (jt=lb) 27=125, 17=114.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	V1	Truss	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 101 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 10-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 4-11

REACTIONS All bearings 20-10-10.

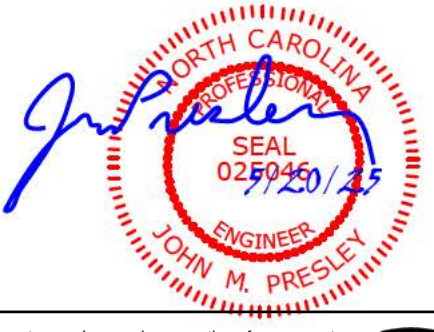
(lb) - Max Horiz 1=220 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 7 except 1=-118 (LC 6), 8=-113 (LC 11), 9=-215 (LC 11), 12=-201 (LC 10), 13=-138 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 1 except 8=295 (LC 18), 9=442 (LC 18), 11=600 (LC 20), 12=446 (LC 17), 13=285 (LC 17)

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

TOP CHORD	1-2=-233/279, 2-3=-194/254, 3-4=-224/332, 4-5=-224/303
WEBS	4-11=-382/65, 3-12=-320/250, 5-9=-322/255

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
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 3-06-00 tall by 2-00-00 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 117 lb uplift at joint 1, 201 lb uplift at joint 12, 137 lb uplift at joint 13, 214 lb uplift at joint 9 and 112 lb uplift at joint 8.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	V2	Truss	1	1	Job Reference (optional)

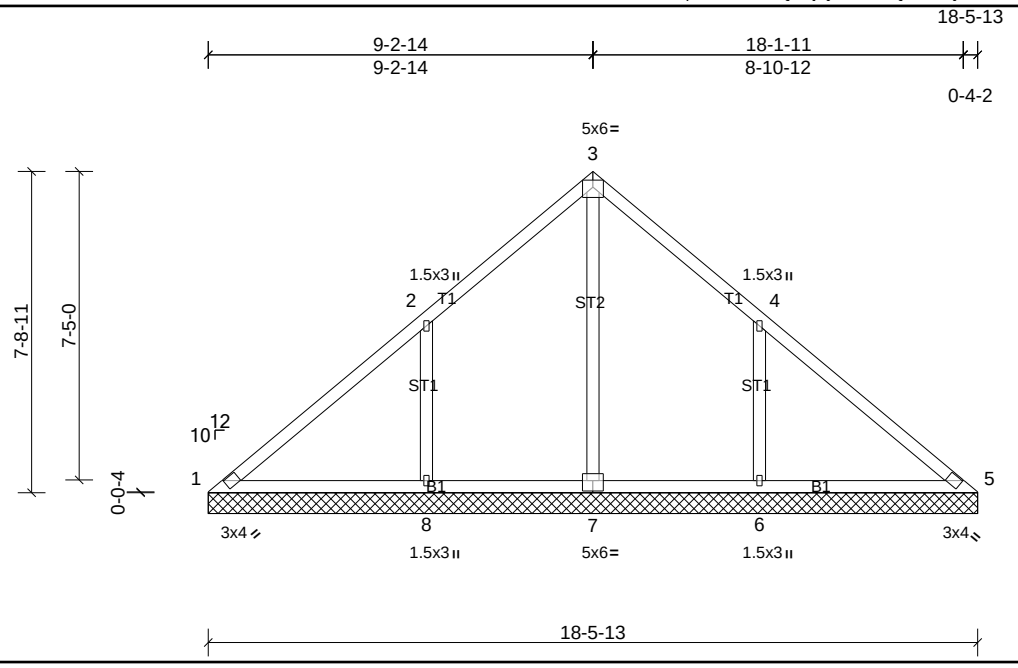


Plate Offsets (X, Y): [7:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horiz(TL)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 84 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 10-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS All bearings 18-5-13.

(lb) - Max Horiz 1=-195 (LC 6)

Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=-239 (LC 11), 8=-242 (LC 10)

Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=546 (LC 18), 7=539 (LC 17), 8=549 (LC 17)

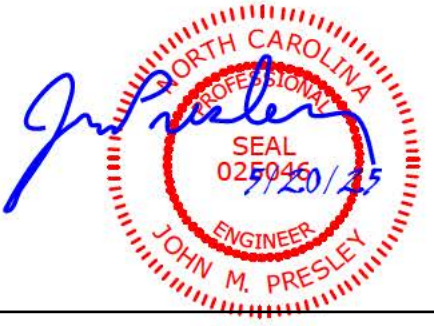
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-190/314, 4-5=-143/263

WEBS 3-7=-384/2, 2-8=-370/272, 4-6=-370/271

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=242, 6=239.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	V3	Truss	1	1	Job Reference (optional)

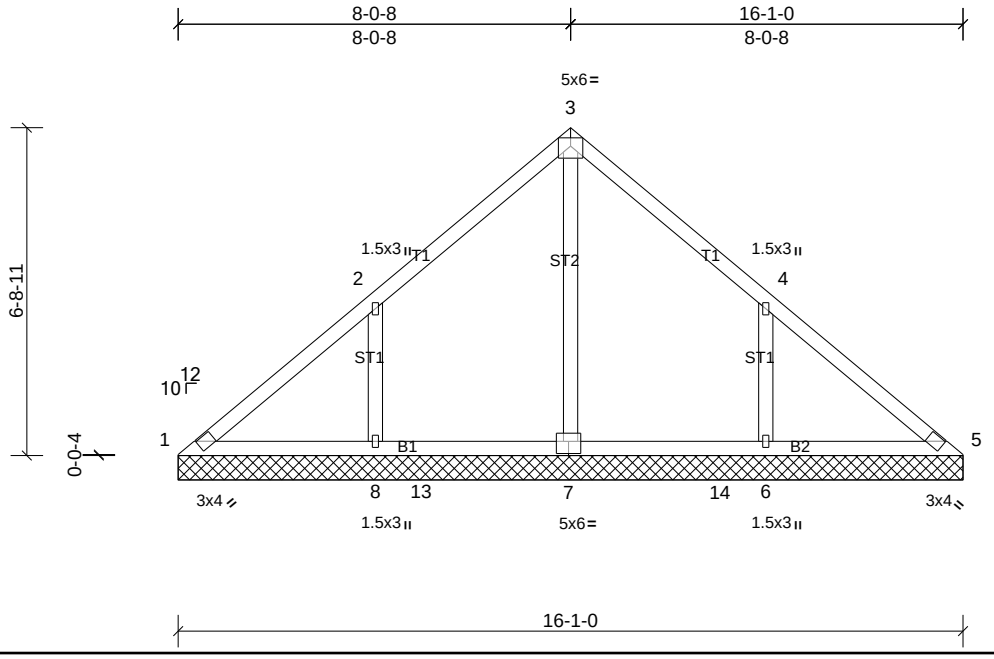


Plate Offsets (X, Y): [7:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 71 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 10-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS All bearings 16-1-0.

(lb) - Max Horiz 1=-169 (LC 6)

Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=-201 (LC 11), 8=-206 (LC 10)

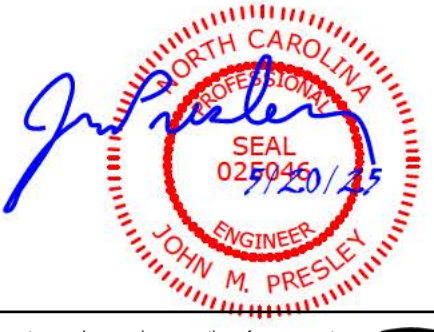
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=447 (LC 18), 7=451 (LC 17), 8=447 (LC 17)

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

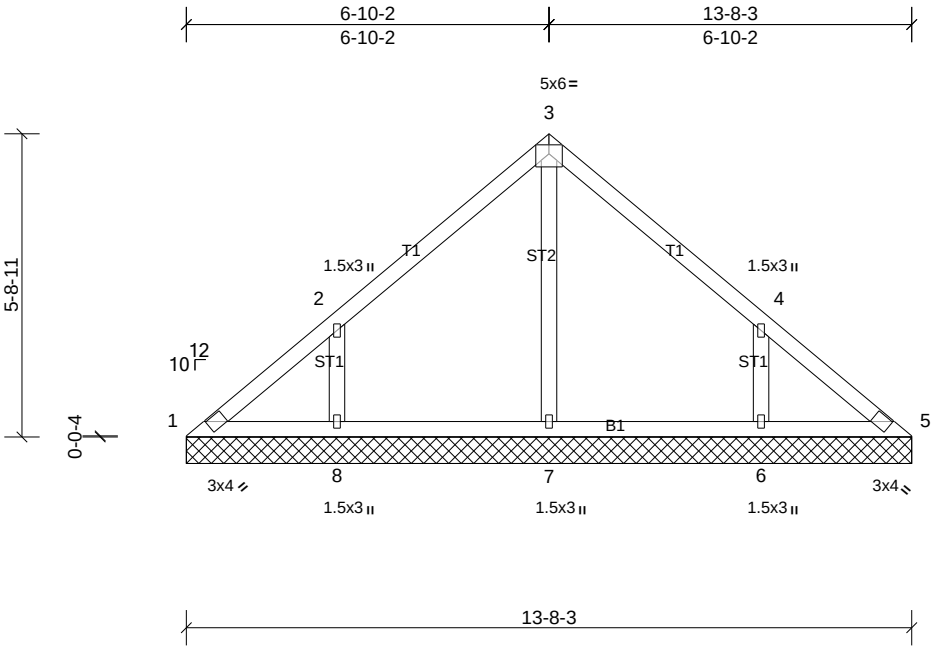
WEBS 3-7=-275/0, 2-8=-320/238, 4-6=-320/236

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=205, 6=201.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	V4	Truss	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 58 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 6-0-0 oc bracing.

REACTIONS All bearings 13-8-3.

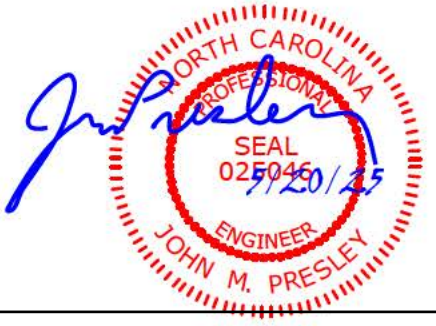
(lb) - Max Horiz 1=-143 (LC 6)
Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=-172 (LC 11), 8=-176 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5 except 6=354 (LC 18), 7=274 (LC 1), 8=358 (LC 17)

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

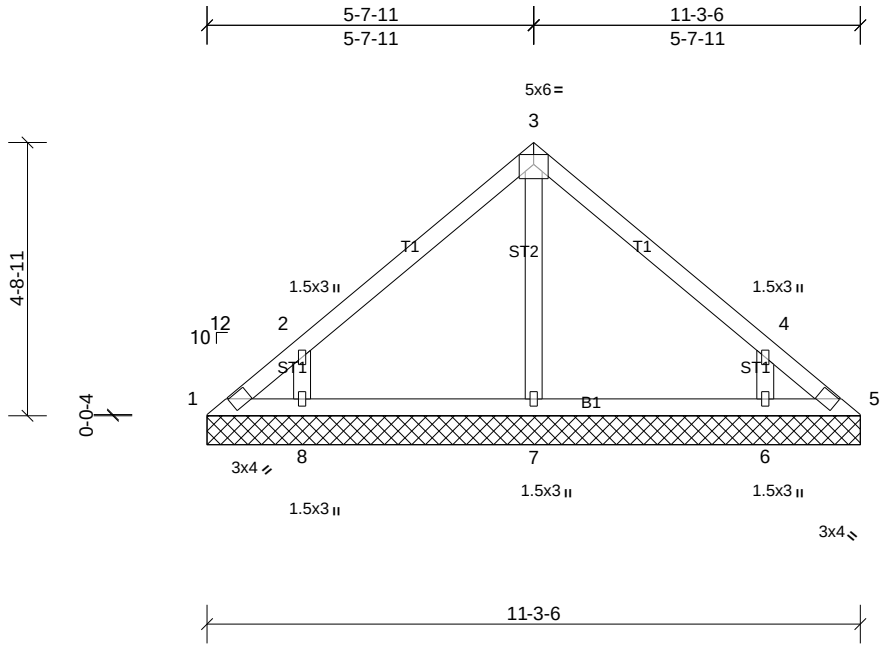
WEBS 2-8=-289/217, 4-6=-289/215

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=175, 6=172.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	V5	Truss	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 46 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.

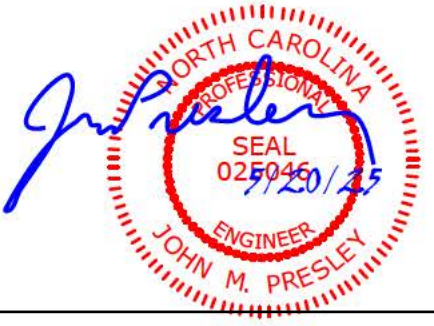
REACTIONS All bearings 11-3-6.

(lb) - Max Horiz 1=-117 (LC 6)
Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5 except 6=-157 (LC 11), 8=-161 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 5, 7 except 6=327 (LC 18), 8=331 (LC 17)

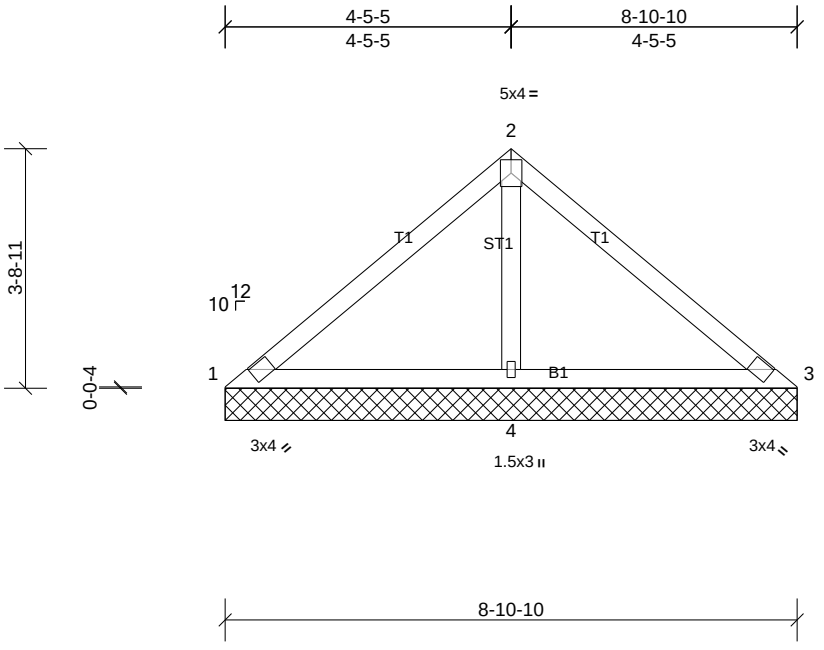
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-309/242, 4-6=-309/240

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=161, 6=156.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	V6	Truss	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 34 lb	FT = 20%

LUMBER

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

BRACING

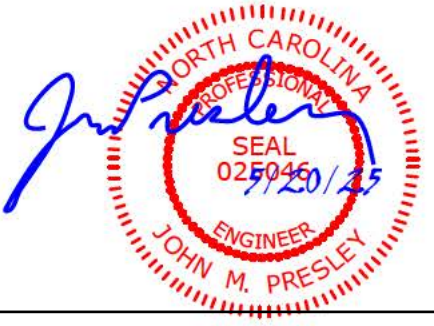
TOP CHORD	Structural wood sheathing directly applied or 8-10-10 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=40/8-10-10, (min. 0-1-8), 3=40/8-10-10, (min. 0-1-8), 4=631/8-10-10, (min. 0-1-8)
Max Horiz 1=91 (LC 7)
Max Uplift 1=-15 (LC 22), 3=-15 (LC 21), 4=-121 (LC 10)
Max Grav 1=73 (LC 21), 3=73 (LC 22), 4=631 (LC 1)

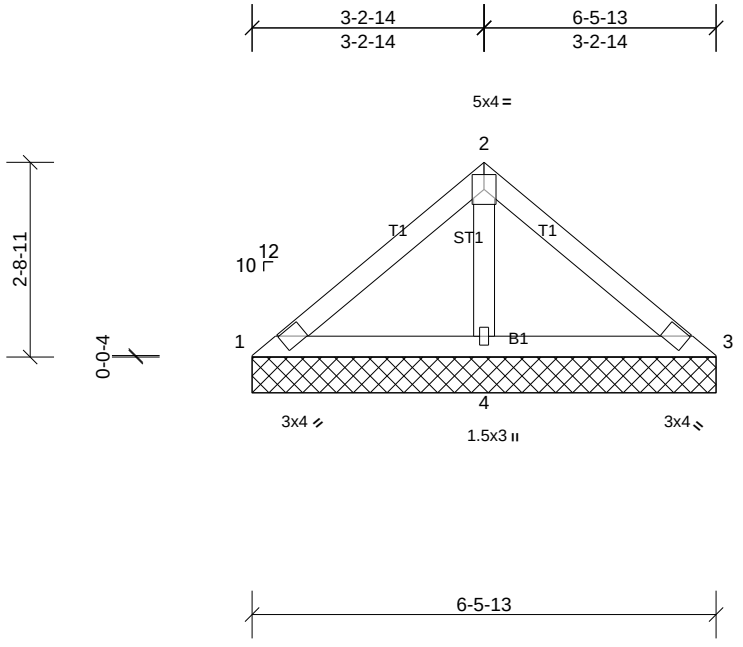
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-84/259, 2-3=-84/259
WEBS 2-4=-473/200

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 15 lb uplift at joint 1, 15 lb uplift at joint 3 and 121 lb uplift at joint 4.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	V7	Truss	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	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	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 24 lb	FT = 20%

LUMBER

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

BRACING

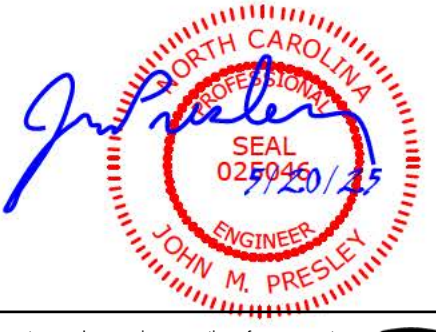
TOP CHORD	Structural wood sheathing directly applied or 6-5-13 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=55/6-5-13, (min. 0-1-8), 3=55/6-5-13, (min. 0-1-8), 4=408/6-5-13, (min. 0-1-8)
Max Horiz 1=-65 (LC 6)
Max Uplift 3=-8 (LC 11), 4=-68 (LC 10)
Max Grav 1=73 (LC 21), 3=73 (LC 22), 4=408 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-284/115

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 3 and 68 lb uplift at joint 4.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512892	V8	Truss	1	1	Job Reference (optional)

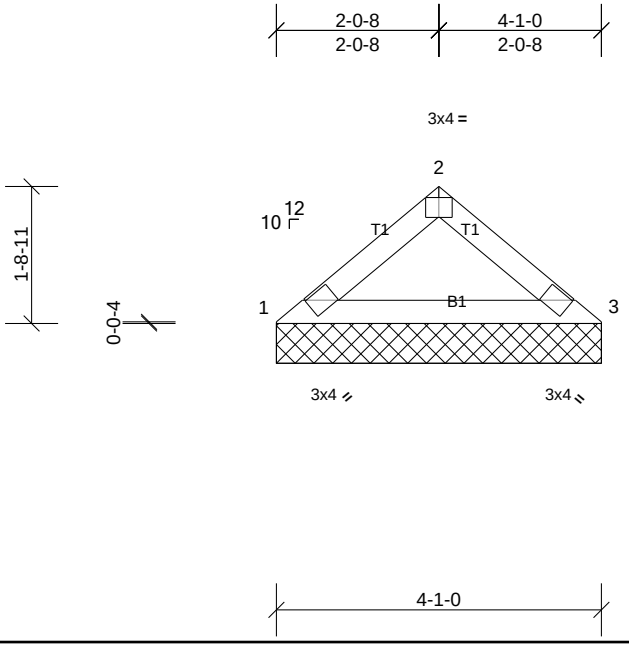


Plate Offsets (X, Y): [2:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 13 lb	FT = 20%

LUMBER

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

BRACING

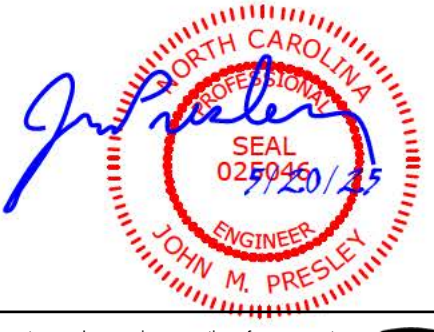
TOP CHORD	Structural wood sheathing directly applied or 4-1-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=163/4-1-0, (min. 0-1-8), 3=163/4-1-0, (min. 0-1-8)
Max Horiz 1=-40 (LC 6)
Max Uplift 1=-20 (LC 10), 3=-20 (LC 11)

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

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=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 1 and 20 lb uplift at joint 3.
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.



Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512901	2F1	Truss	8	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu May 08 09:55:36 — Page: 1

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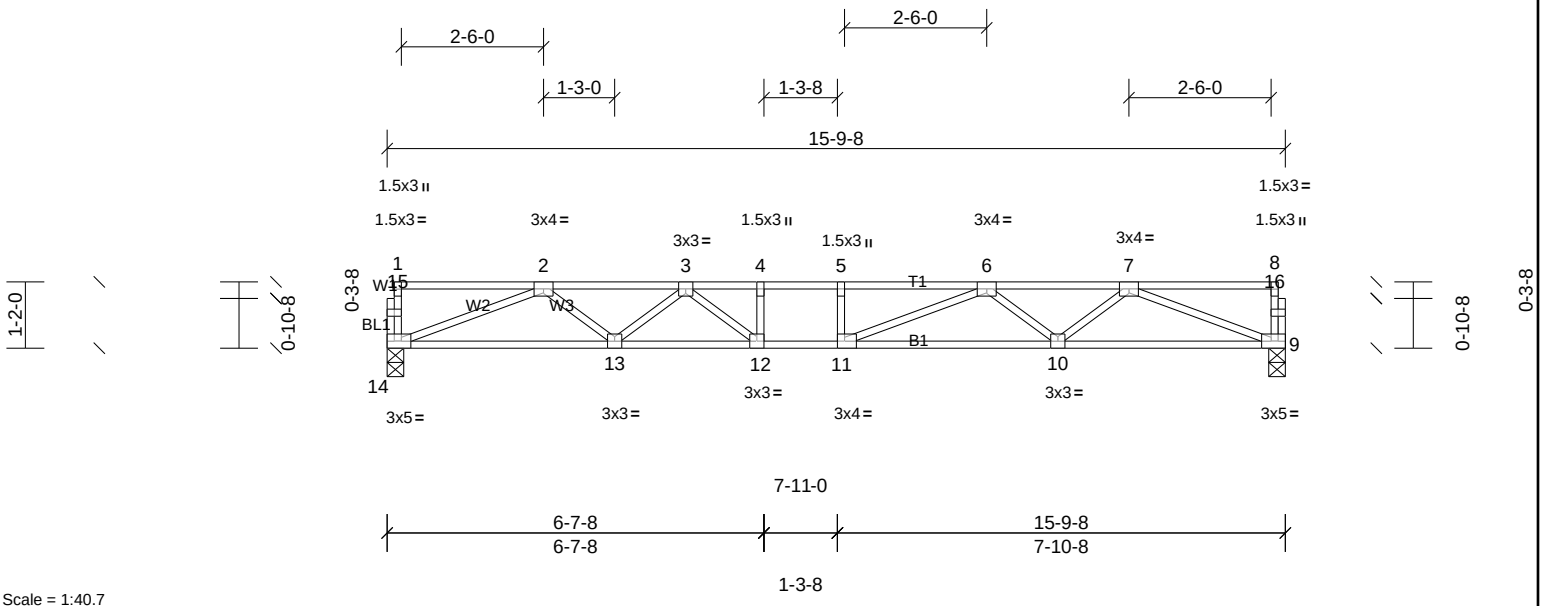


Scale = 1:40.7

Plate Offsets (X, Y): [9:0-2-0,Edge], [11:0-1-8,Edge], [14:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.53	Vert(LL)	-0.19	10-11	>956	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.27	10-11	>686	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.05	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 78 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

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

REACTIONS (lb/size) 9=678/0-3-8, (min. 0-1-8), 14=678/0-3-8, (min. 0-1-8)

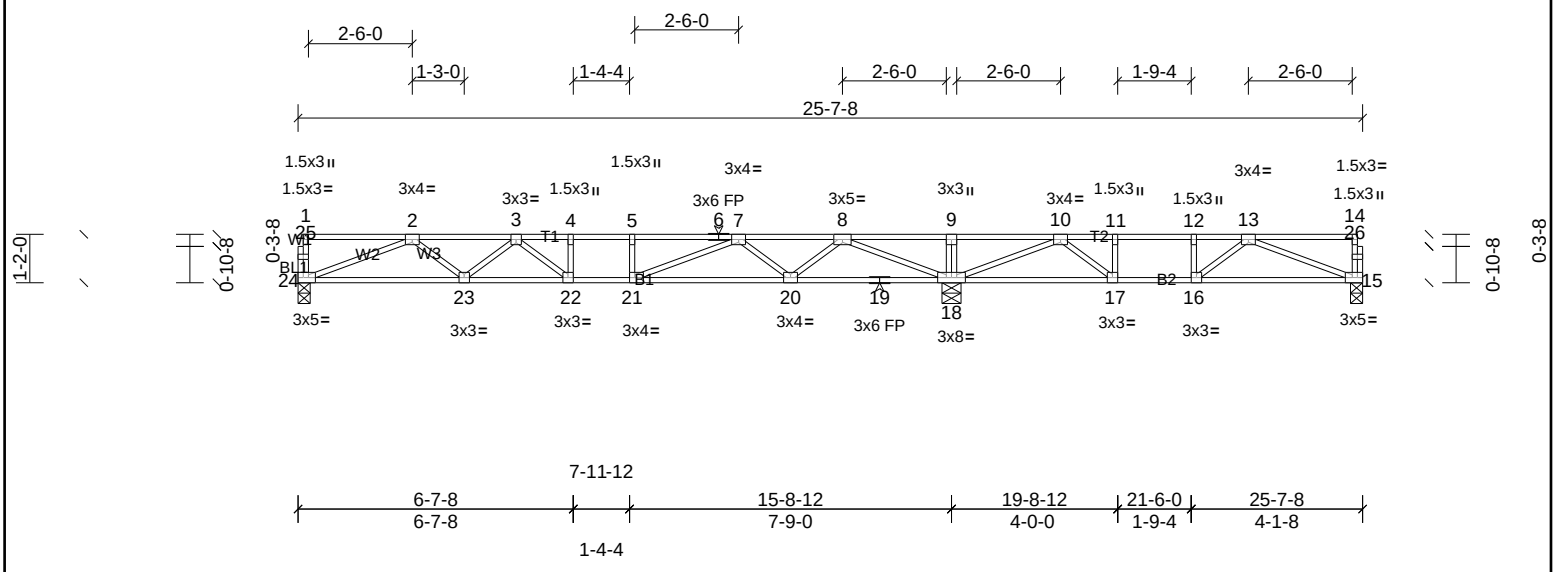
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1880/0, 3-4=-2526/0, 4-5=-2526/0, 5-6=-2526/0, 6-7=-1902/0
BOT CHORD	13-14=0/1467, 12-13=0/2271, 11-12=0/2526, 10-11=0/2285, 9-10=0/1468
WEBS	7-9=-1574/0, 2-14=-1573/0, 7-10=0/565, 2-13=0/537, 6-10=-499/0, 3-13=-509/0, 6-11=-24/474, 3-12=0/500

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) 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.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512901	2F2	Truss	5	1	Job Reference (optional)



Scale = 1:55.7

Plate Offsets (X, Y): [15:0-2-0,Edge], [21:0-1-8,Edge], [24:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.77	Vert(LL)	-0.14	21	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.19	20-21	>980	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.04	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 125 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

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

REACTIONS (lb/size) 15=290/0-3-8, (min. 0-1-8), 18=1335/0-5-8, (min. 0-1-8), 24=597/0-3-8, (min. 0-1-8)
Max Grav 15=370 (LC 4), 18=1335 (LC 1), 24=610 (LC 10)

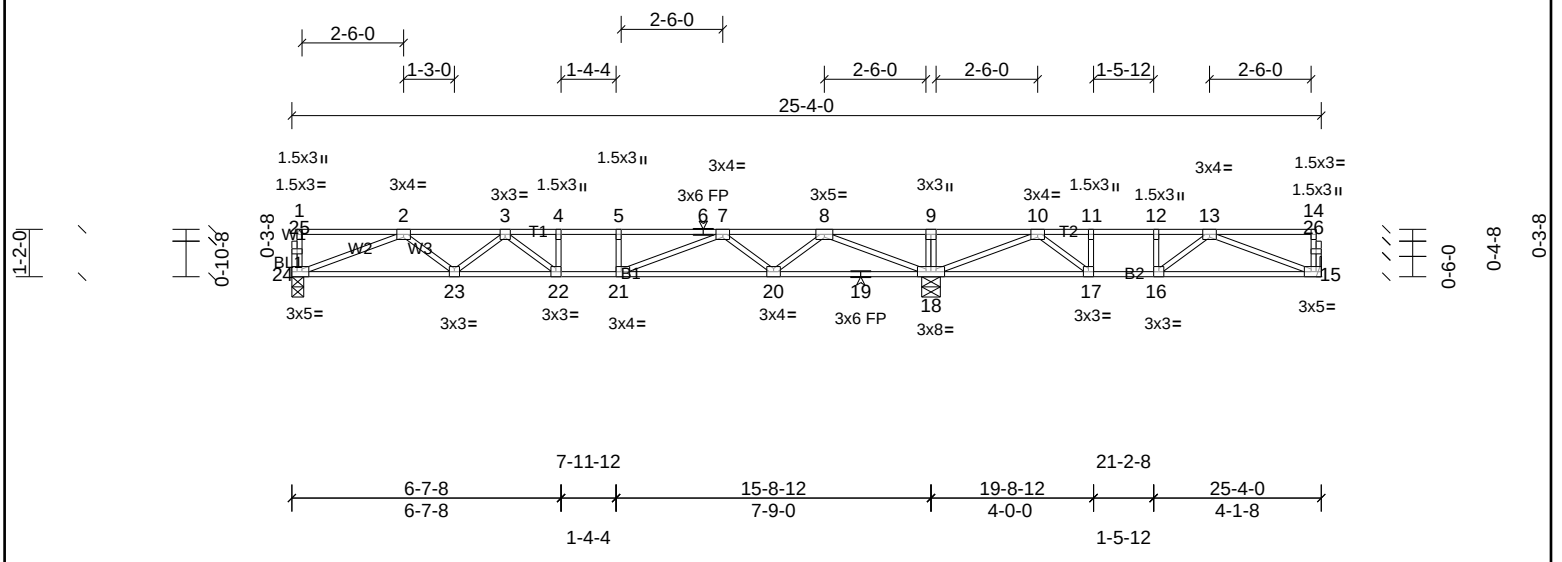
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1633/0, 3-4=-2049/0, 4-5=-2049/0, 5-6=-2049/0, 6-7=-2049/0, 7-8=-1101/0, 8-9=0/1261, 9-10=0/1261, 10-11=-729/268, 11-12=-729/268, 12-13=-729/268
BOT CHORD	23-24=0/1297, 22-23=0/1932, 21-22=0/2049, 20-21=0/1583, 19-20=-41/579, 18-19=-41/579, 17-18=-583/442, 16-17=-268/729, 15-16=-84/681
WEBS	8-18=-1735/0, 2-24=-1390/0, 8-20=0/707, 2-23=0/437, 7-20=-661/0, 3-23=-390/0, 7-21=0/649, 3-22=-116/316, 10-18=-1166/0, 13-15=-727/91, 10-17=0/647, 11-17=-317/0

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) 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.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512901	2F2S	Truss	2	1	Job Reference (optional)



Scale = 1:56.9

Plate Offsets (X, Y): [15:0-2-0,Edge], [21:0-1-8,Edge], [24:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.69	Vert(LL)	-0.14	21	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.18	21	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.03	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 124 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

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

REACTIONS (lb/size) 15=262/ Mechanical, 18=1343/0-5-8, (min. 0-1-8), 24=590/0-3-8, (min. 0-1-8)
Max Uplift 15=-18 (LC 3)
Max Grav 15=352 (LC 4), 18=1343 (LC 1), 24=602 (LC 3)

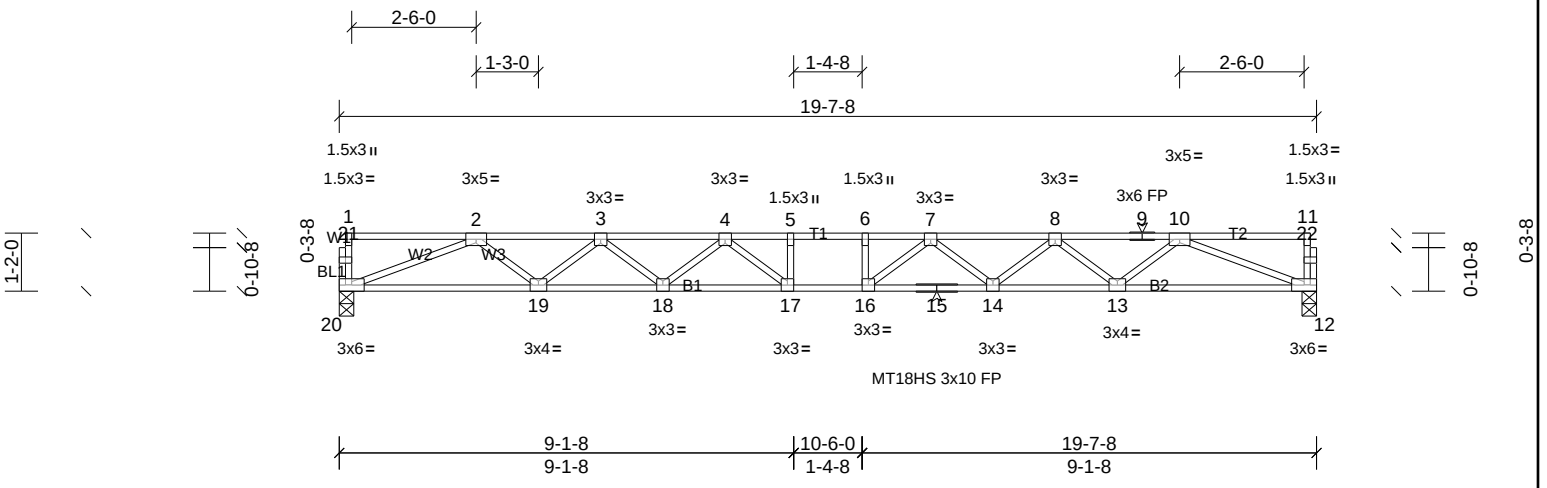
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1604/0, 3-4=-1994/0, 4-5=-1994/0, 5-6=-1994/0, 6-7=-1994/0, 7-8=-1012/0, 8-9=0/1323, 9-10=0/1323, 10-11=-663/330, 11-12=-663/330, 12-13=-663/330
BOT CHORD	23-24=0/1278, 22-23=0/1893, 21-22=0/1994, 20-21=0/1503, 19-20=-62/482, 18-19=-62/482, 17-18=-652/396, 16-17=-330/663, 15-16=-126/639
WEBS	8-18=-1746/0, 2-24=-1369/0, 8-20=0/713, 2-23=0/425, 7-20=-668/0, 3-23=-376/0, 7-21=0/660, 3-22=-124/302, 10-18=-1169/0, 13-15=-682/137, 10-17=0/639, 13-16=-276/30, 11-17=-311/0

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 15.
3) 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.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512901	2F3	Truss	4	1	Job Reference (optional)



Scale = 1:46.5

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	-0.36	16-17	>640	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.50	16-17	>466	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.08	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 97 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-11-3 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 12=847/0-3-8, (min. 0-1-8), 20=847/0-3-8, (min. 0-1-8)

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

TOP CHORD	2-3=-2514/0, 3-4=-3459/0, 4-5=-3930/0, 5-6=-3930/0, 6-7=-3930/0, 7-8=-3459/0, 8-9=-2514/0, 9-10=-2514/0
BOT CHORD	19-20=0/1887, 18-19=0/3107, 17-18=0/3790, 16-17=0/3930, 15-16=0/3790, 14-15=0/3790, 13-14=0/3107, 12-13=0/1887
WEBS	10-12=-2025/0, 2-20=-2025/0, 10-13=0/816, 2-19=0/816, 8-13=-772/0, 3-19=-772/0, 8-14=0/459, 3-18=0/459, 7-14=-431/0, 4-18=-431/0, 7-16=-147/469, 4-17=-147/469

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) 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.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512901	2F4	Truss	2	1	Job Reference (optional)

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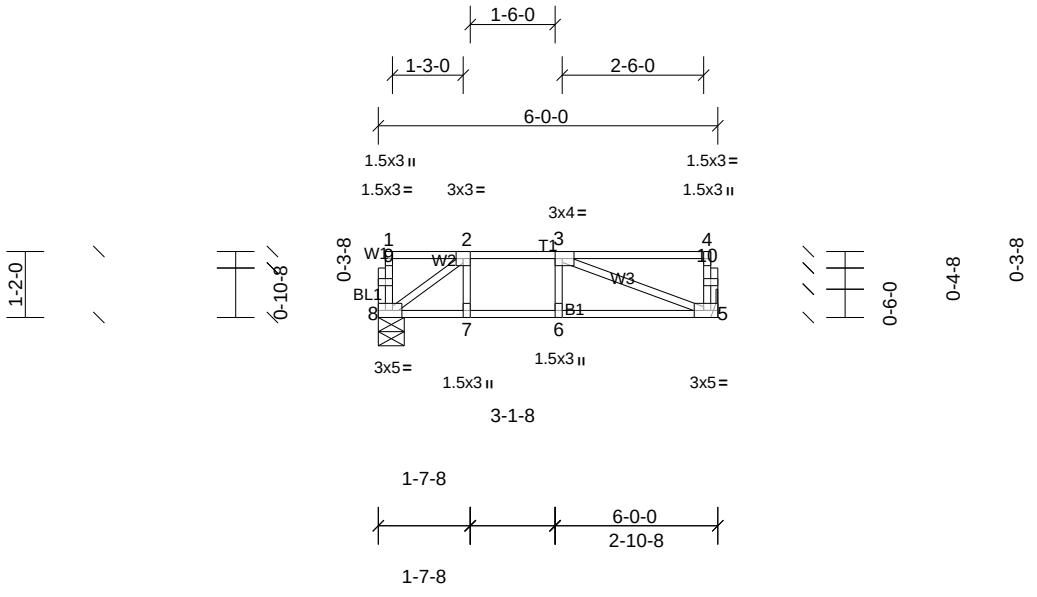


Plate Offsets (X, Y): [3:0-1-8,Edge], [5:0-2-0,Edge], [8:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.40	Vert(LL)	-0.04	5-6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.36	Vert(CT)	-0.05	5-6	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 31 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

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

REACTIONS (lb/size) 5=248/ Mechanical, 8=248/0-5-8, (min. 0-1-8)

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

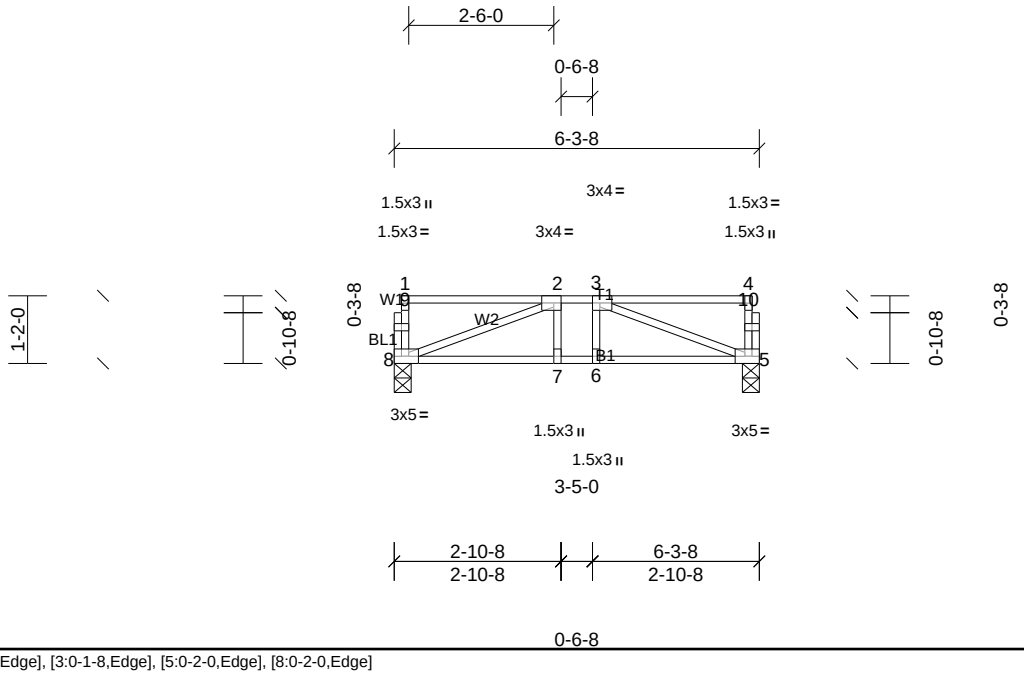
TOP CHORD	2-3=-341/0
BOT CHORD	7-8=0/341, 6-7=0/341, 5-6=0/341
WEBS	3-5=-360/0, 2-8=-420/0

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) 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.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

NORTH CAROLINA PROFESSIONAL SEAL 054919 ENGINEER HUNTER B. DOSS 5/8/2025

Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512901	2F5	Truss	2	1	Job Reference (optional)



Scale = 1:39.9

Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,Edge], [5:0-2-0,Edge], [8:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.02	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.19	Vert(CT)	-0.03	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 34 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

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

REACTIONS (lb/size) 5=261/0-3-8, (min. 0-1-8), 8=261/0-3-8, (min. 0-1-8)

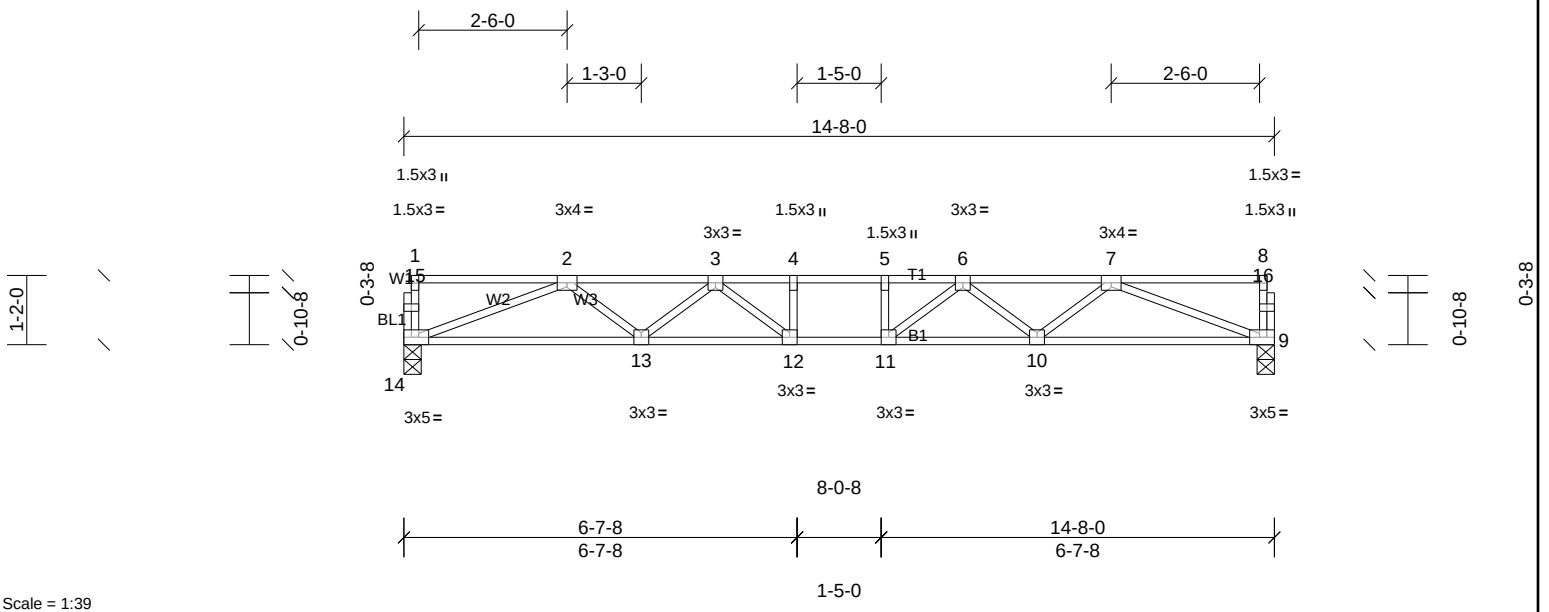
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-428/0
BOT CHORD	7-8=0/428, 6-7=0/428, 5-6=0/428
WEBS	3-5=-454/0, 2-8=-454/0

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) 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.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512901	2F6	Truss	7	1	Job Reference (optional)



Scale = 1:39

Plate Offsets (X, Y): [9:0-2-0,Edge], [14:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.32	Vert(LL)	-0.13	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.18	11-12	>972	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 73 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

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

REACTIONS (lb/size) 9=629/0-3-8, (min. 0-1-8), 14=629/0-3-8, (min. 0-1-8)

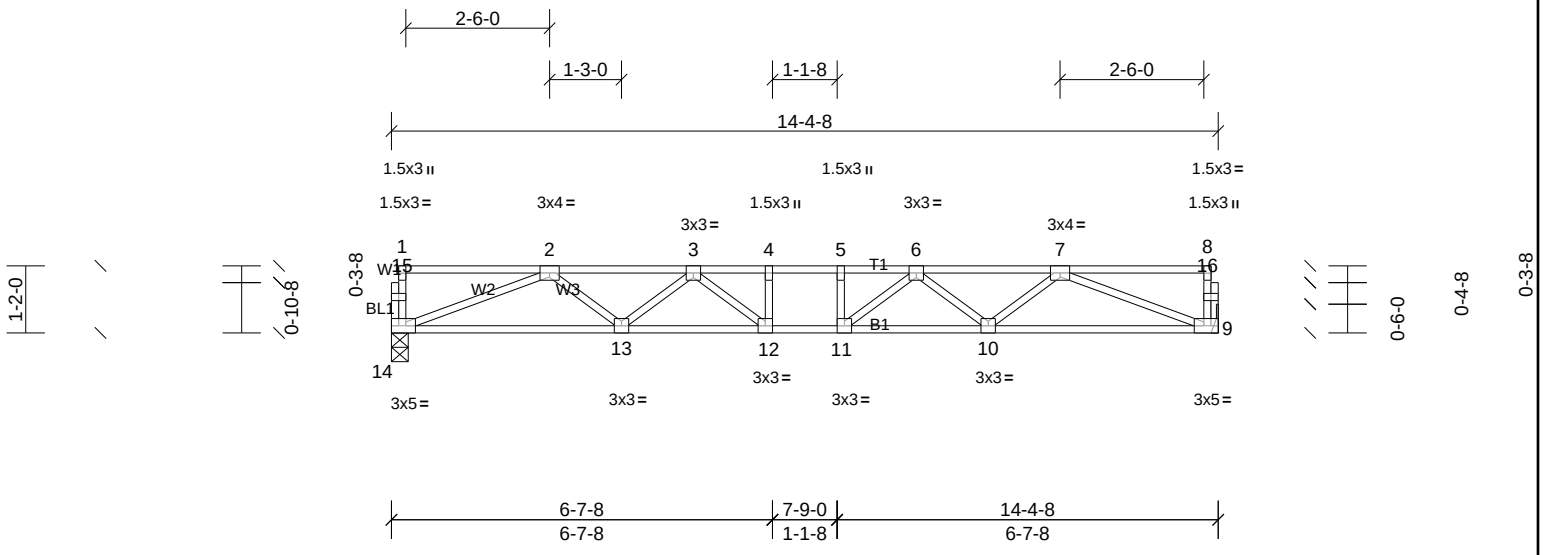
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1703/0, 3-4=-2169/0, 4-5=-2169/0, 5-6=-2169/0, 6-7=-1703/0
BOT CHORD	13-14=0/1345, 12-13=0/2025, 11-12=0/2169, 10-11=0/2025, 9-10=0/1345
WEBS	7-9=-1442/0, 2-14=-1442/0, 7-10=0/466, 2-13=0/466, 6-10=-418/0, 3-13=-418/0, 6-11=-46/373, 3-12=-46/373

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) 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.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512901	2F6S	Truss	2	1	Job Reference (optional)



Scale = 1:40.2

Plate Offsets (X, Y): [9:0-2-0,Edge], [14:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.29	Vert(LL)	-0.12	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.17	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 72 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

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

REACTIONS (lb/size) 9=616/ Mechanical, 14=616/0-3-8, (min. 0-1-8)

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

TOP CHORD	2-3=-1656/0, 3-4=-2086/0, 4-5=-2086/0, 5-6=-2086/0, 6-7=-1656/0
BOT CHORD	13-14=0/1313, 12-13=0/1963, 11-12=0/2086, 10-11=0/1963, 9-10=0/1313
WEBS	7-9=-1407/0, 2-14=-1407/0, 7-10=0/447, 2-13=0/447, 6-10=-399/0, 3-13=-399/0, 6-11=-61/336, 3-12=-61/336

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) 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.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512901	2F7	Truss	2	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton — Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu May 08 09:55:41 — Page: 1

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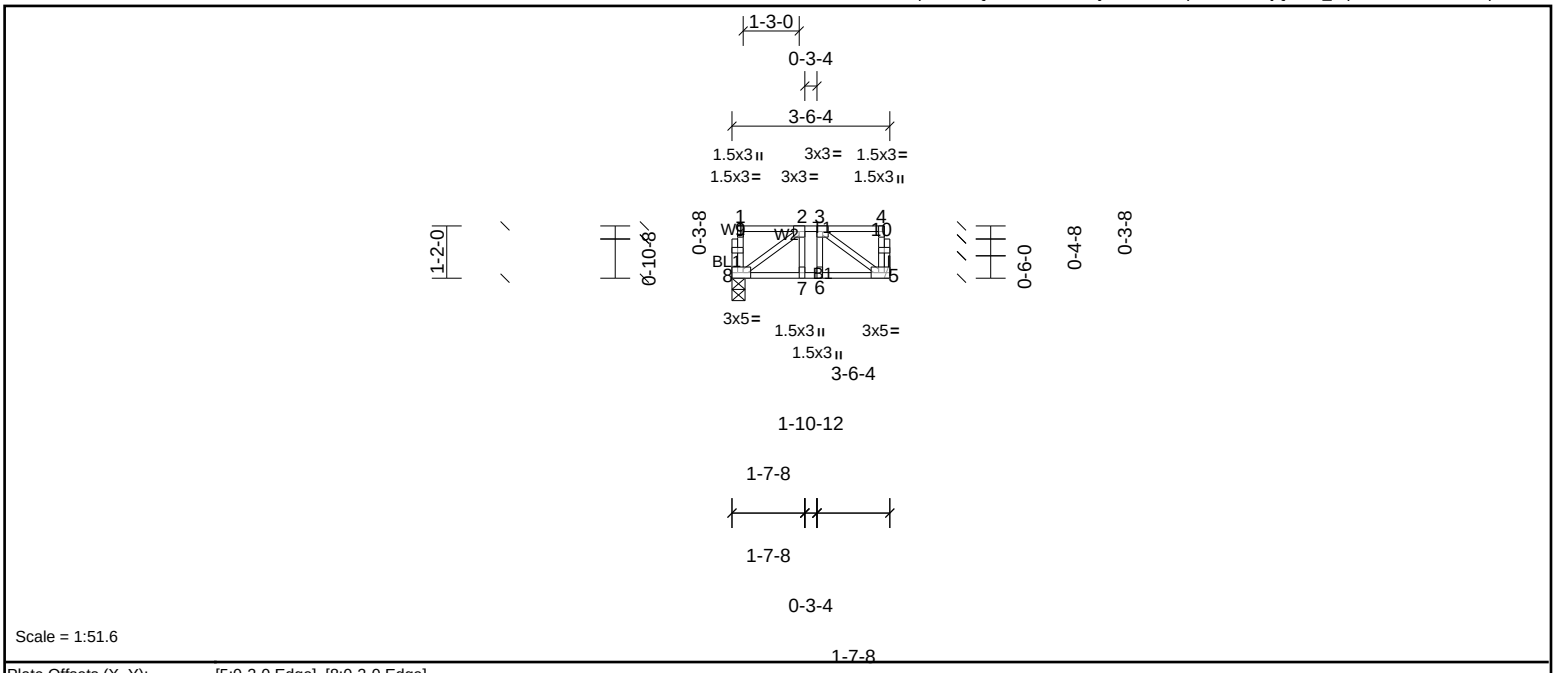


Scale = 1:51.6

Plate Offsets (X, Y): [5:0-2-0,Edge], [8:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	0.00	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.05	Vert(CT)	0.00	7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 22 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-6-4 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

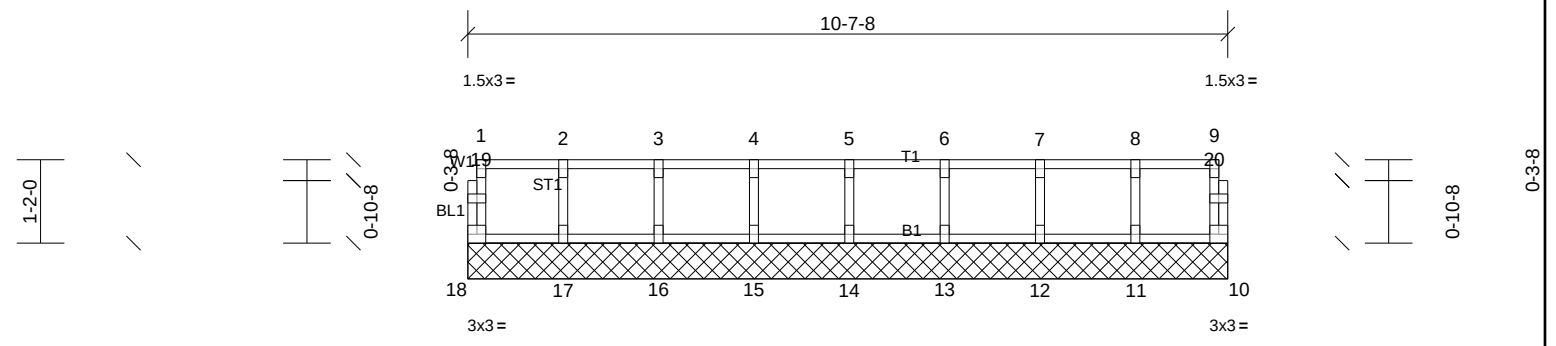
REACTIONS (lb/size) 5=139/ Mechanical, 8=139/0-3-8, (min. 0-1-8)

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

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) 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.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Job	Truss	Truss Type	Qty	Ply	PBS\CLAYTON LOW COUNTRY ROOF
72512901	2KW1	Truss	1	1	Job Reference (optional)



Scale = 1:32.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 46 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

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

REACTIONS All bearings 10-7-8.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 10, 11, 12, 13, 14, 15, 16, 17, 18

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

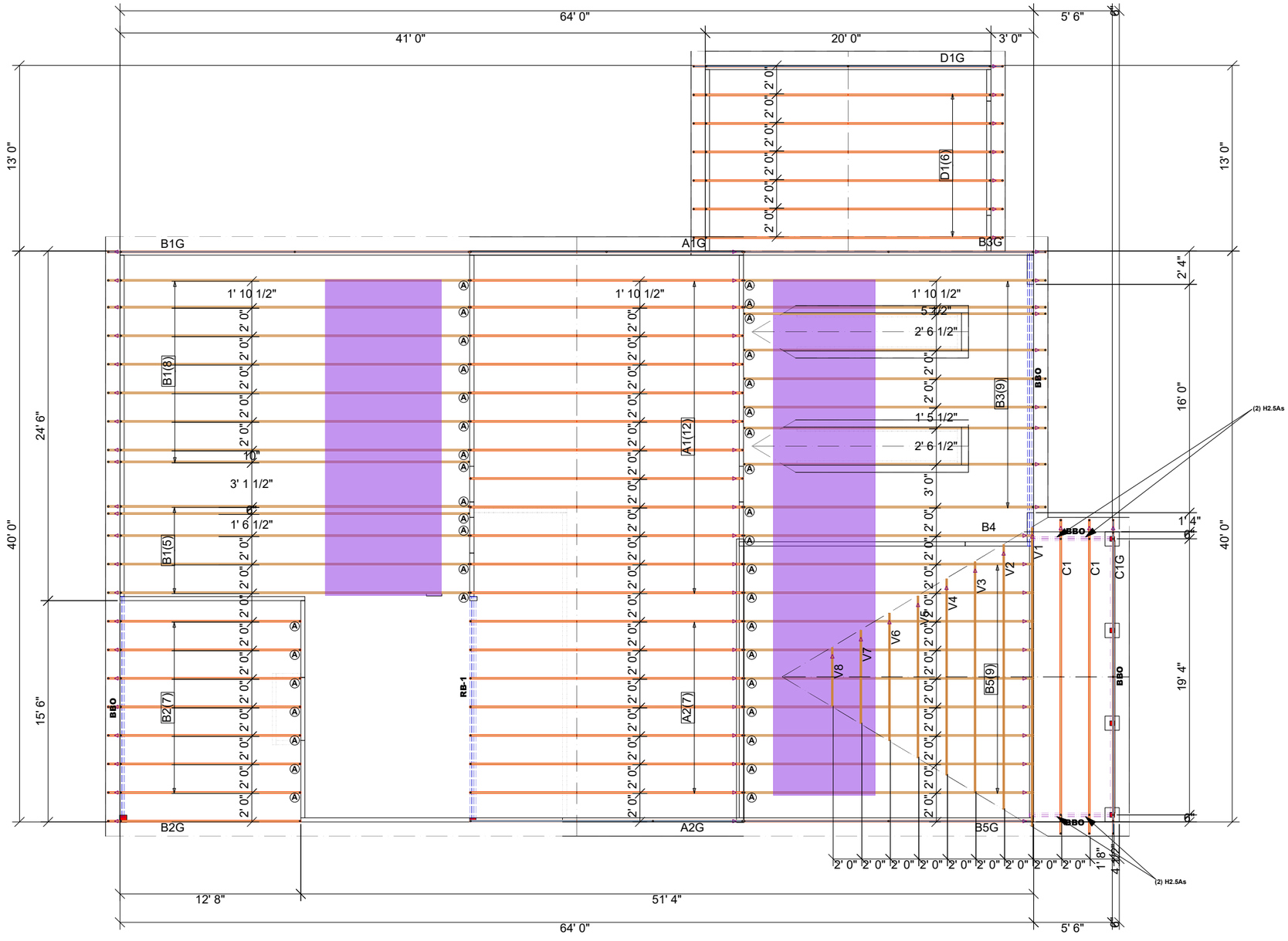
NOTES

1) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

RB-1	16' 0"	1 3/4" x 14" 2.0E Microllam® LVL	3	3	MFD
PlotID	Length	Product	Plies	Net Qty	Fab Type
FLUSH LVL CEILING BEAM					

UNLESS NOTED OTHERWISE USE SINGLE H2.5A TIEDOWN.

Ⓐ	HUS26	FACE MOUNT HANGER	40
ROOF HANGER LIST			



PLACEMENT PLAN

△ INDICATES LEFT END OF TRUSS **SCALE:** N.T.S

THIS IS A TRUSS PLACEMENT DIAGRAM (TPD) ONLY; NOT AN ENGINEERED DOCUMENT. Trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual truss design drawings (TDD's), for each truss design identified on the TPD. The Contractor is responsible for the temporary bracing of the roof and floor system, and the building designer is responsible for the permanent bracing of the roof and floor system and the overall structure. The design of the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the building designer. For general guidance regarding installation and bracing, consult "Building Component Safety Information" (BCSI) available from the SBC Association (www.sbcacomponents.com). It is the responsibility of the General Contractor to verify that the provided component layout matches the final intended construction plans, loading conditions, and use. If they do not, it is the responsibility of the General Contractor to notify UFP and provide plans containing the latest specifications and designs. UFP will not be responsible for plan changes by others after final approval of shop drawings, or for errors or modifications made on-site during construction. DO NOT CUT, NOTCH, DRILL, OR OTHERWISE "REPAIR" MANUFACTURED TRUSSES IN ANY WAY WITHOUT PRIOR WRITTEN AUTHORIZATION BY A LICENSED PROFESSIONAL DESIGNATED BY UFP. The Framer is responsible to verify all dimensions, including adjusting member spacing within tolerances to allow for the drop and rise of plumbing/HVAC, unless noted otherwise. Truss-to-wall connections, if shown, are for uplift only and do not consider lateral loads. All connectors on this project are to be installed per the connector manufacturer's specifications. All connectors shown that are not truss-to-truss are suggestions only and are to be verified by the Building Designer or Engineer of Record for suitability to this particular project. UFP accepts no responsibility for the specific application or suitability of any connector that is not truss-to-truss as they apply to this specific structure.

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NEW HOMES INC.

LOT 51 DUNCANS CREEK

CLAYTON LOW-COUNTRY ROOF

702 BEACON HILL RD. LILLINGTON, NC 27546

REVISIONS		
DATE	DESCRIPTION	DSN
-	-	-

DESIGNER AM
LAYOUT DATE 5-5-25
ARCH DATE -
STRUC DATE -

JOB #: 25042672