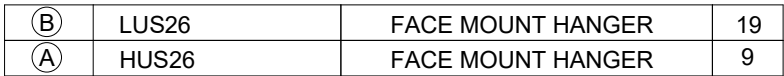


PLACEMENT PLAN



ROOF AREA: 2826.73 ft² RIDGE LINE: 70.82 ft VALLEY LINES: 62.07 HIP LINES: 14.66 Indicates Left End of Truss

REVISED								
		DESCRIPTION	DATE	DSN				
	
	
	
	
DESIGNER DBM LAYOUT DATE 3/13/25 ARCH DATE STRUC DATE								

PBS RALEIGH-NEW HOME

APEX TRADITIONAL ROOF

GM RM

This drawing is property of UFP Site Built, LLC. Any unauthorized use of this document without written permission is prohibited. UFP relinquishes ownership of delivered product upon delivery. Owner of product must obtain UFP's authorization prior to any alteration or modification of product; UFP will not be held responsible for any unauthorized modifications done or costs incurred without prior written authorization from UFP.



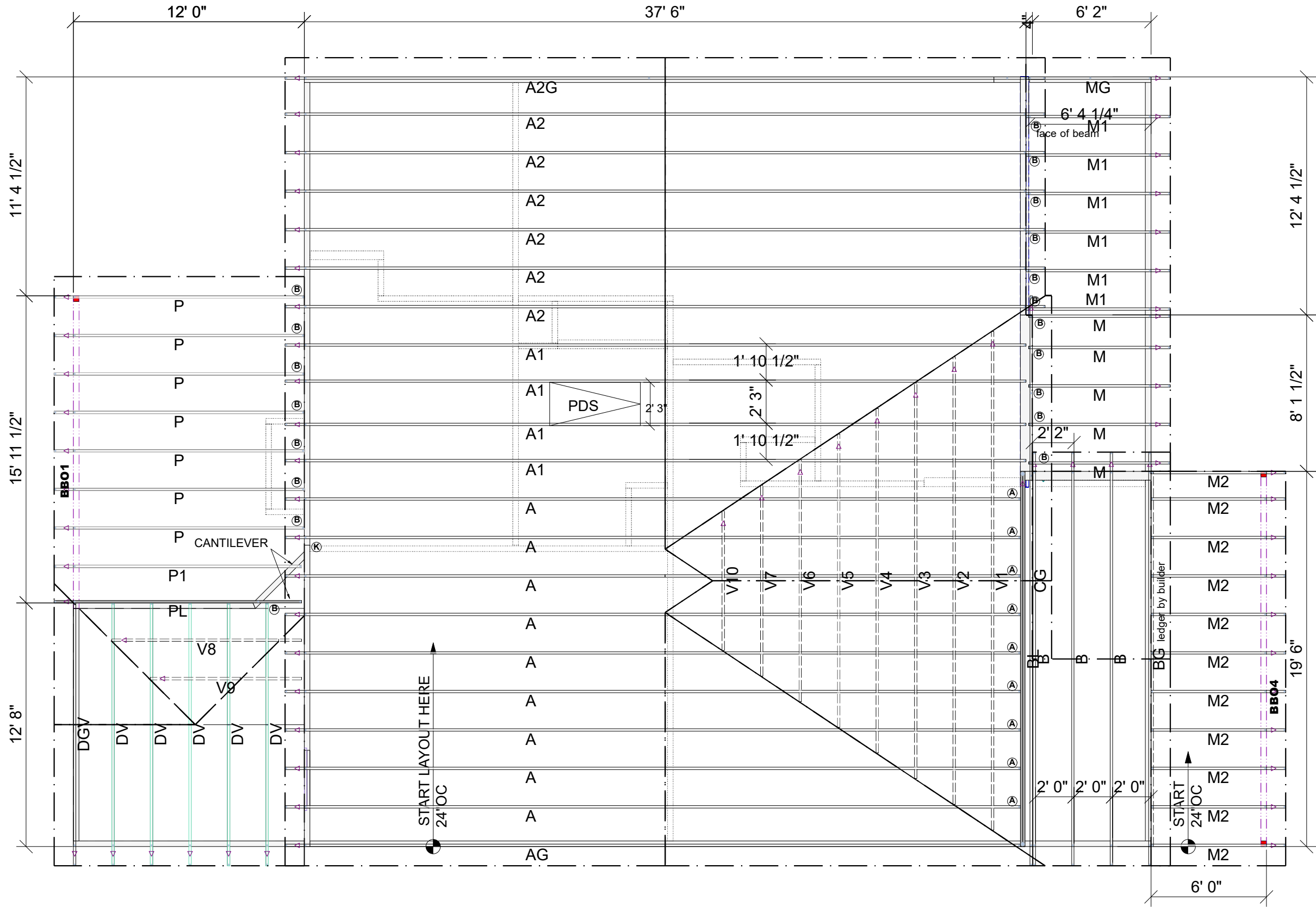
UFP SITE BUILT
A UFP INDUSTRIES COMPANY

Burlington, NC Locust, NC
Chesapeake, VA Liberty, NC
Clinton, NC Ooltewah, TN
Conway, SC Pearisburg, VA
Jefferson, GA Stanfield, NC

Customer Service (800) 476-9356

PLACEMENT PLAN

SCALE: N.T.S



ROOF AREA: 2826.73 ft² RIDGE LINE: 70.82 ft VALLEY LINES: 62.07 HIP LINES: 14.66 Indicates Left End of Truss

REVISED	DESCRIPTION		DATE		DSN

DESIGNER DBM
 LAYOUT DATE 3/13/25
 ARCH DATE
 STRUC DATE
 JOB # 25011628

PBS RALEIGH-NEW HOME

APEX TRADITIONAL ROOF

W/VLT CAFE/COV PORCH/EXT

This drawing is property of UFP Site Built, LLC. Any unauthorized use of this document without written permission is prohibited. UFP relinquishes ownership of delivered product upon delivery. Owner of product must obtain UFP's authorization prior to any alteration or modification of product; UFP will not be held responsible for any unauthorized modifications done or costs incurred without prior written authorization from UFP.



UFP SITE BUILT
A UFP INDUSTRIES COMPANY



Burlington, NC Locust, NC
Chesapeake, VA Liberty, NC
Clinton, NC Ooltewah, TN
Conway, SC Pearisburg, VA
Jefferson, GA Stanfield, NC

Customer Service (800) 476-9356

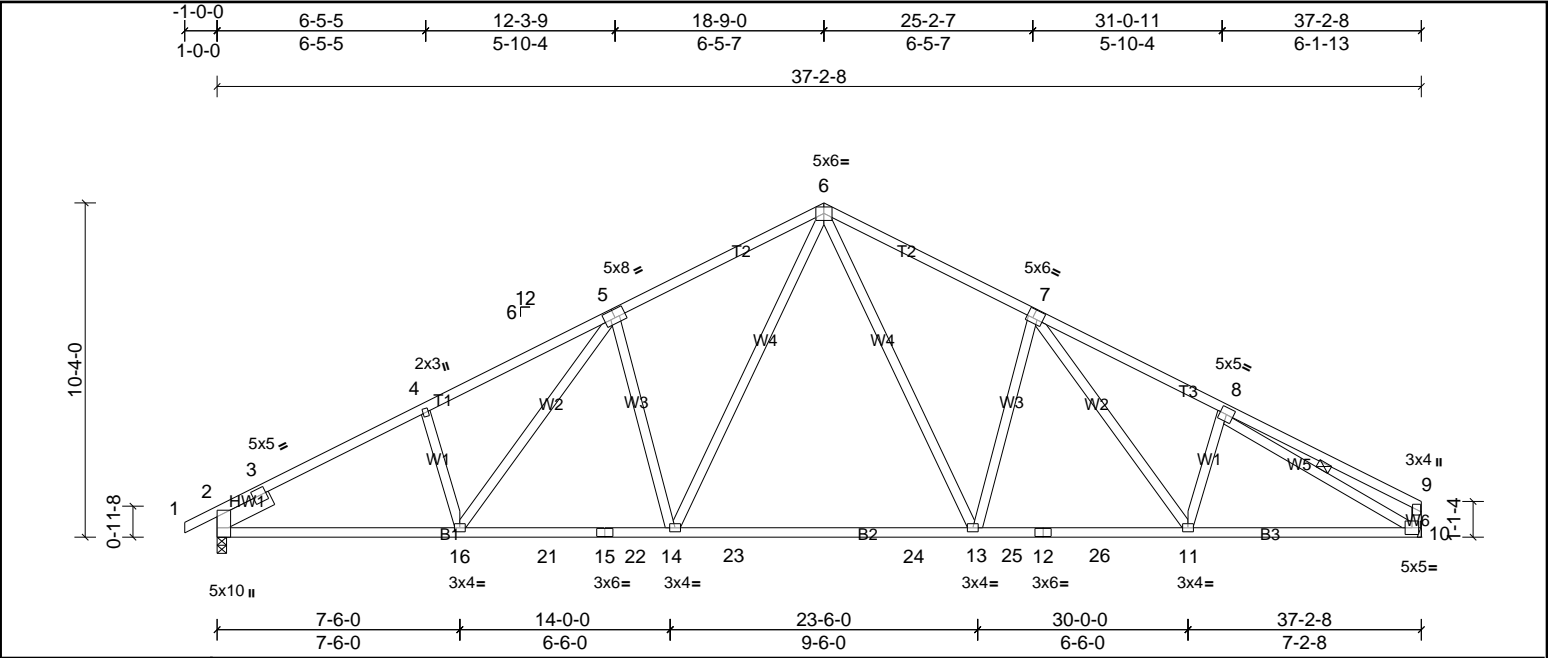
Job	Truss	Truss Type	Qty	Ply	PBS/APEX TRADITIONAL RF W/VLT CAFE
72502136	A	Truss	9	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

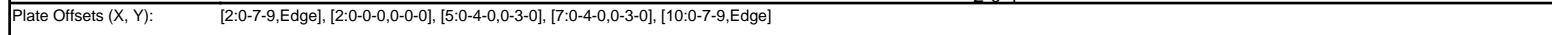
Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:49

Page: 1

ID:V6K3GEJC2T0UfsMLGs58psymE2-V217RRahAk4aSH6rGhiY0EQTWw08DRL5Pf15LzzXbry



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:50 Page: 1
ID:gyzn?BERTdGKxxvCvb_kZbyymE8-V217RRahAk4aSH6rGhiY0REQRwW1RDSF5PfIl5LzXbry



LUMBER		BRACING	
TOP CHORD	2x4 SP No.2 *Except* T1,T3:2x4 SP SS	TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	2x4 SP SS *Except* B3:2x6 SP No.2, B2:2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS	2x4 SP No.3		6-0-0 oc bracing: 15-16.
SLIDER	Left 2x6 SP No.2 -- 1-11-0, Right 2x6 SP No.2 -- 1-11-0		
REACTIONS	(lb/size)	2=1648/0-3-8, (min. 0-2-0), 10=1586/0-3-8, (min. 0-1-15)	
	Max Horiz	2=181 (LC 14)	
	Max Uplift	2=-173 (LC 10), 10=-150 (LC 11)	
	Max Grav	2=1676 (LC 2), 10=1625 (LC 2)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	3-4=-2665/561, 4-5=-2553/629, 5-6=-2409/619, 6-7=-2410/619, 7-8=-2559/633, 8-9=-2670/564		
BOT CHORD	2-18=-401/2280, 18-27=-274/2188, 17-27=-274/2188, 17-28=-274/2188, 14-28=-274/2188, 14-29=-66/1659, 29-30=-66/1659, 30-31=-66/1659, 13-31=-66/1659, 13-32=-274/2189, 12-32=-274/2189, 12-33=-274/2189, 11-33=-274/2189, 10-11=-405/2285		
WEBS	5-14=-535/334, 5-18=-142/256, 14-16=-255/863, 6-16=-190/1008, 7-13=-537/335, 6-15=-191/1010, 13-15=-256/865, 7-11=-143/263		

- NOTES**

 - 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDD=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 150 lb uplift at joint 10 and 173 lb uplift at joint 2.
 - 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.

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

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

Job	Truss	Truss Type	Qty	Ply	PBS/APEX TRADITIONAL RF W/VLT CAFE
72502136	A2G	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:51

Page: 1

ID:88XACXF3ExOBZ5TOTJVz6pyymE7-zFbVfmbJx1CR3Rh2pODnZRYnwKZUy_TEdJ1euPzXbrx

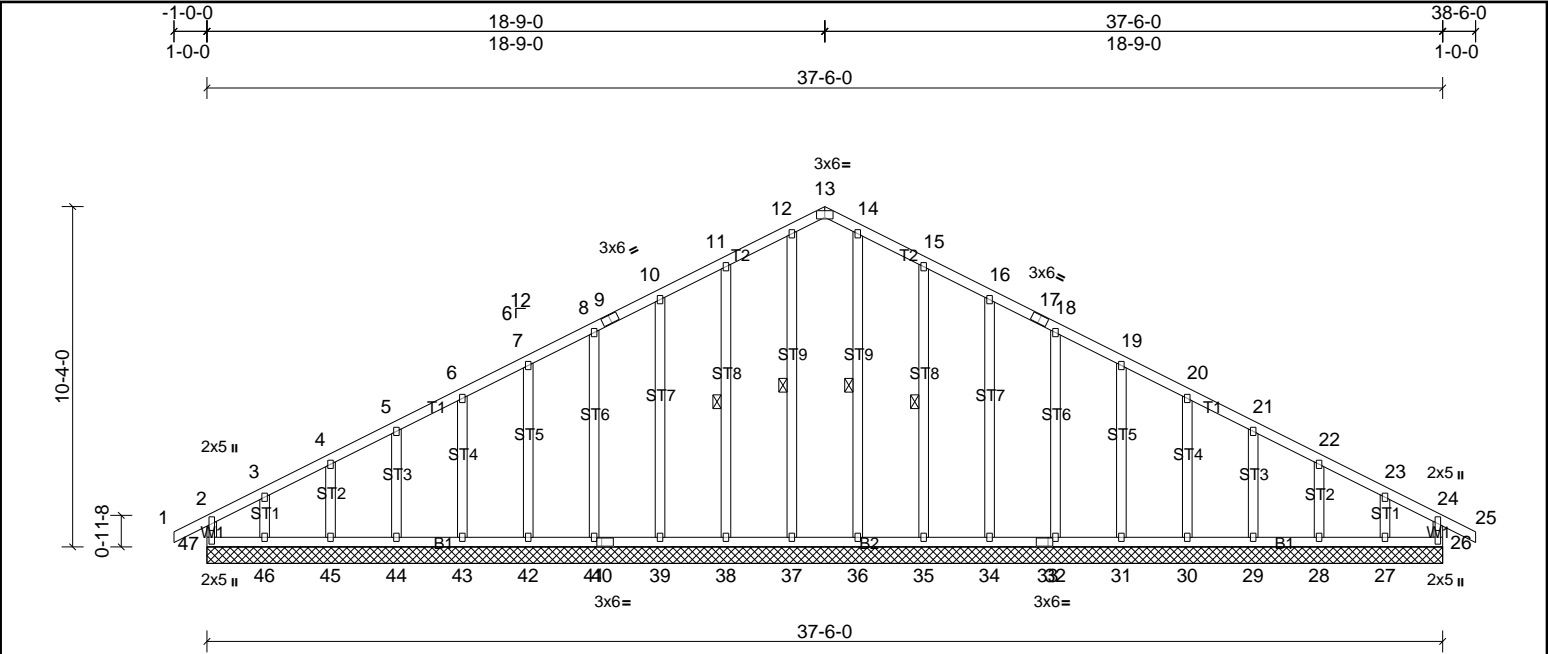


Plate Offsets (X, Y): [13:0-3-0,Edge], [33:0-1-12,0-1-8], [40:0-1-12,0-1-8]

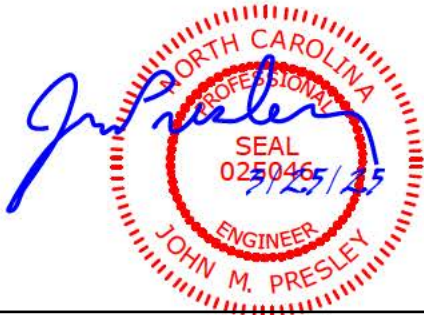
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	26	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 265 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt
OTHERS 2x4 SP No.3	

REACTIONS All bearings 37'-6-0.
(lb) - Max Horiz 47=-153 (LC 8)
Max Uplift All uplift 100 (lb) or less at joint(s) 26, 28, 29, 30, 31, 32, 34, 35, 38, 39, 41, 42, 43, 44, 45, 47 except 27=-137 (LC 11), 46=-155 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 26, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 41, 42, 43, 44, 45, 46, 47

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=-103/263, 11-12=-126/329, 12-13=-113/288, 13-14=-113/288, 14-15=-126/329, 15-16=-103/263

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=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
 - Truss designed for wind loads in the plane of the truss only.
 - All plates are 2x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 47, 26, 38, 39, 41, 42, 43, 44, 45, 35, 34, 32, 31, 30, 29, 28 except (jt=lb) 46=155, 27=136.
 - 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/APEX TRADITIONAL RF W/VLT CAFE
72502136	AG	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:51

Page: 1

ID:ZjClrZHyXsmmQYCz8R3gjRyymE4-RR9ts7bxiLKlhbGEN6k06fVyekvehRjOsznBQszXbrw

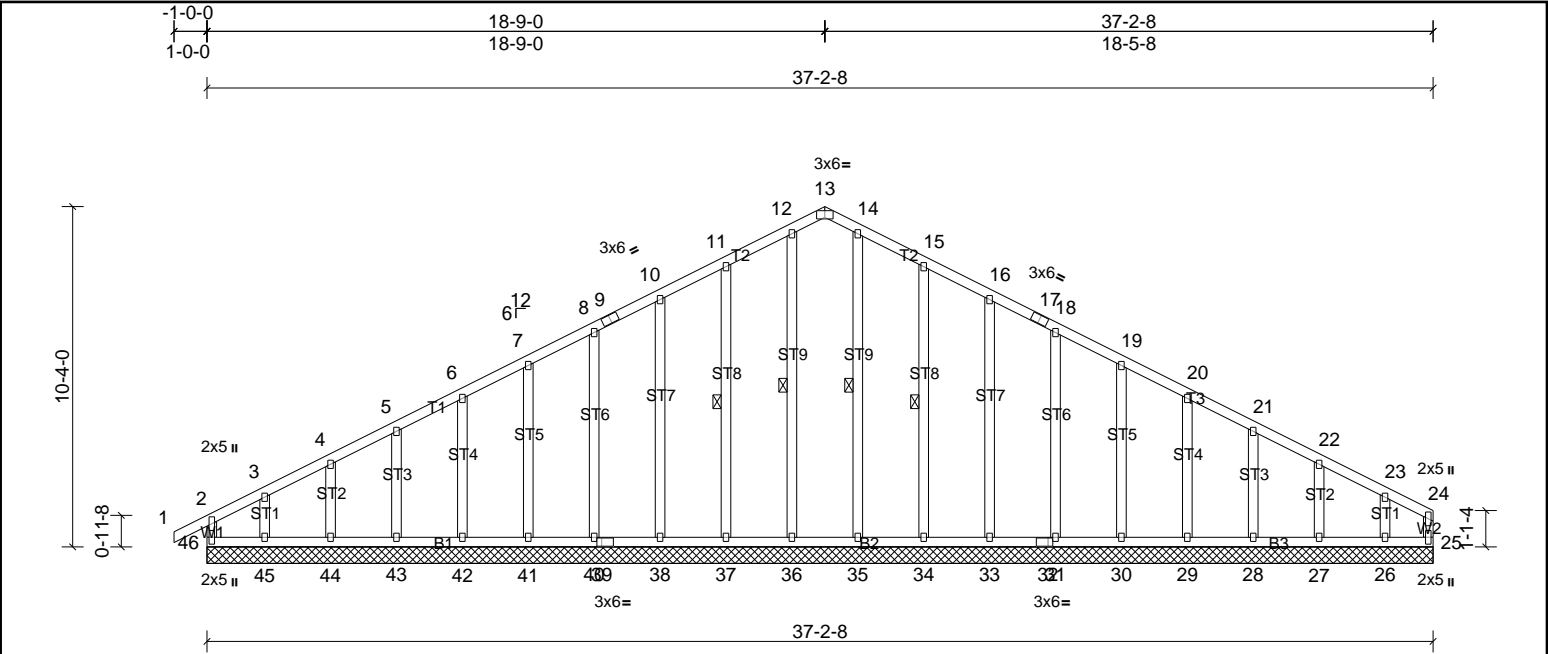


Plate Offsets (X, Y): [13:0-3-0,Edge], [32:0-1-12,0-1-8], [39:0-1-12,0-1-8]

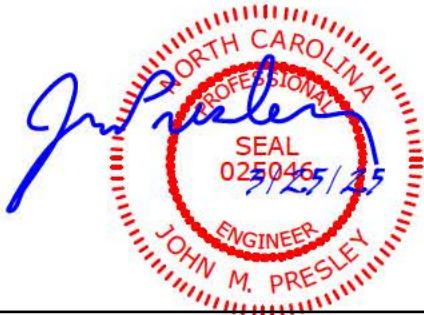
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	25	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 262 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt
OTHERS 2x4 SP No.3	

REACTIONS All bearings 37-2-8.
(lb) - Max Horiz 46=161 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 25, 27, 28, 29, 30, 31, 33, 34, 37, 38, 40, 41, 42, 43, 44, 46 except 26=158 (LC 11), 45=157 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 40, 41, 42, 43, 44, 45, 46

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=-110/266, 11-12=-134/332, 12-13=-118/290, 13-14=-118/290, 14-15=-134/332, 15-16=-110/266

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=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
 - Truss designed for wind loads in the plane of the truss only.
 - All plates are 2x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 46, 25, 37, 38, 40, 41, 42, 43, 44, 34, 33, 31, 30, 29, 28, 27 except (jt=lb) 45=156, 26=158.
 - 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/APEX TRADITIONAL RF W/VLT CAFE
72502136	BG	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:52

Page: 1

ID:dL5YQtGh?FW2AF2a100Ce0yymE6-RR9ts7bxiLKlhbGEN6k06fVyXkvUhS8OsznBQszXbrw

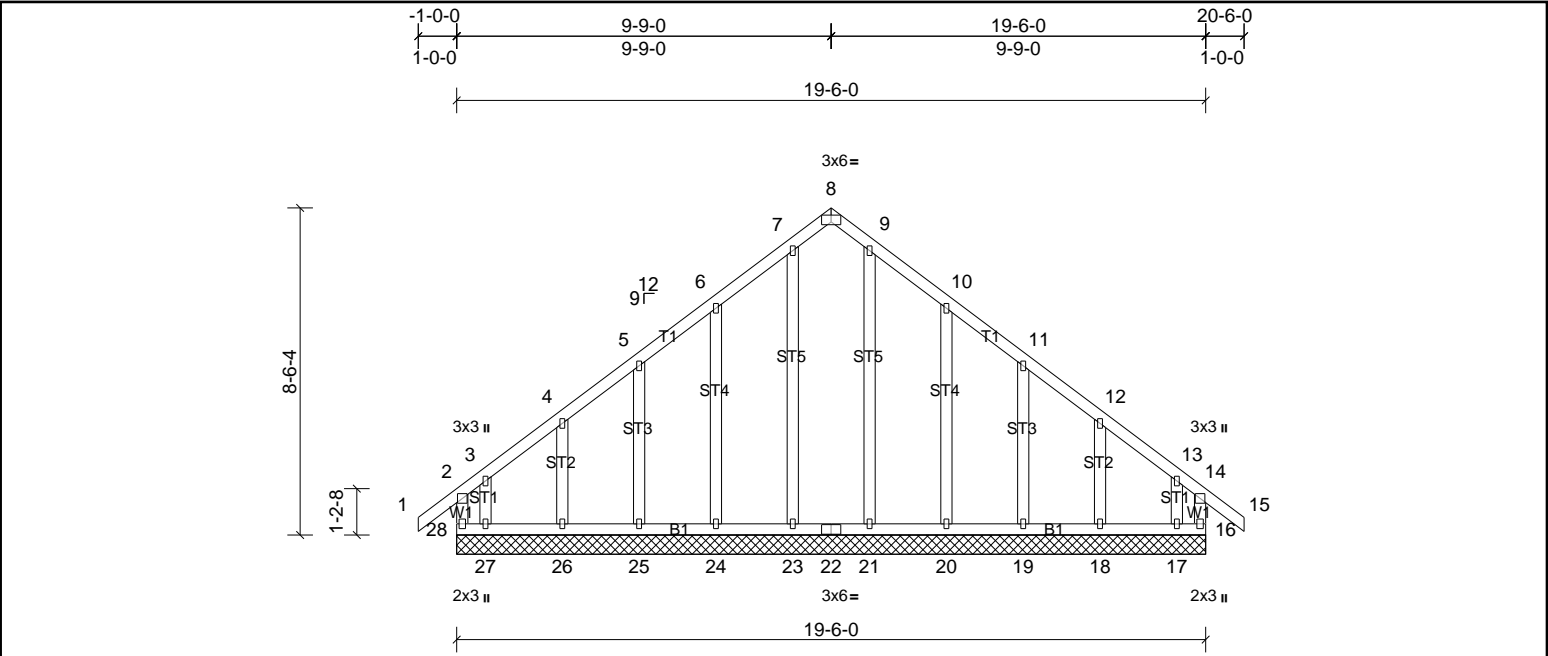


Plate Offsets (X, Y):		[8:0-3-0,Edge]										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	-0.01	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 135 lb	FT = 20%

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

REACTIONS		All bearings 19-6-0.
(lb) - Max Horiz	28=246 (LC 9)	
Max Uplift	All uplift 100 (lb) or less at joint(s) 8, 18, 19, 20, 21, 23, 24, 25, 26 except 16=-208 (LC 7), 17=-194 (LC 6), 27=-242 (LC 7), 28=-275 (LC 6)	
Max Grav	All reactions 250 (lb) or less at joint(s) 16, 18, 19, 20, 21, 23, 24, 25, 26 except 8=295 (LC 11), 17=255 (LC 9), 27=306 (LC 8), 28=291 (LC 9)	
FORCES		(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	6-7=-212/291, 7-8=-247/338, 8-9=-247/338, 9-10=-212/291	

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=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
 - Truss designed for wind loads in the plane of the truss only.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 23, 21, 24, 25, 26, 20, 19, 18 except (jt=lb) 28=274, 16=208, 27=241, 17=193.
 - 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/APEX TRADITIONAL RF W/VLT CAFE
72502136	BL	Truss	1	2	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:52

Page: 1

ID:zluRTaJqpn8KH0xYqZcNL4yyrnE1-vdiG3TcaTfS9JlrQxpFFes2?V71OQhbX5dXlylZxbn

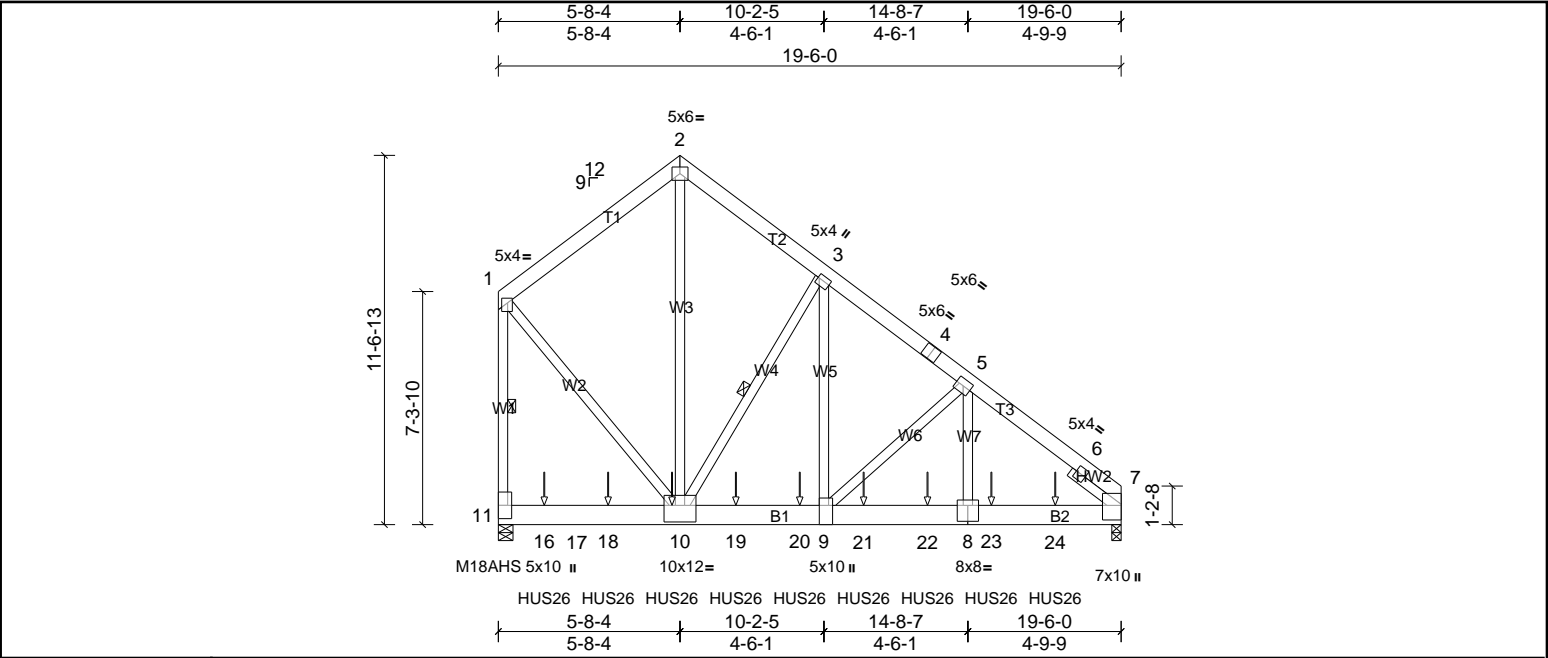


Plate Offsets (X, Y): [1:0-1-12,0-1-12], [3:0-1-12,0-0-8], [8:0-4-0,0-6-0], [9:0-7-4,Edge], [10:0-6-0,0-6-4]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	-0.10	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.20	8-9	>999	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 391 lb	FT = 20%

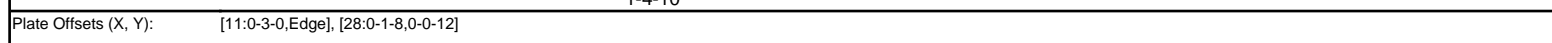
LUMBER	BRACING
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-5-7 oc purlins, except end verticals.
BOT CHORD 2x8 SP No.2 *Except* B2:2x8 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* W1:2x4 SP No.2	WEBS 1 Row at midpt 3-10, 1-11
SLIDER Right 2x4 SP No.3 -- 1-11-0	
REACTIONS (lb/size) 7=7109/0-3-8, (req. 0-4-3), 11=7595/0-5-8, (min. 0-4-8)	
Max Horiz 11=-369 (LC 6)	
Max Uplift 7=-996 (LC 9), 11=-1112 (LC 9)	
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD 1-2=-3881/690, 2-3=-3866/665, 3-4=-6380/966, 4-5=-6407/942, 5-6=-8591/1228, 6-7=-5613/755, 1-11=-6127/947	
BOT CHORD 11-16=-220/315, 16-17=-220/315, 17-18=-220/315, 10-18=-220/315, 10-19=-621/5126, 19-20=-621/5126, 9-20=-621/5126, 9-21=-873/6667, 21-22=-873/6667, 8-22=-873/6667, 8-23=-873/6667, 23-24=-873/6667, 7-24=-873/6667	
WEBS 2-10=-702/4282, 3-10=-4112/761, 3-9=-692/4727, 5-9=-2116/438, 5-8=-373/2808, 1-10=-681/4770	

- NOTES**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-6-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - WARNING: Required bearing size at joint(s) 7 greater than input bearing size.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1112 lb uplift at joint 11 and 996 lb uplift at joint 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.
 - Use Simpson Strong-Tie HUS26 (14-16d Girder, 4-16d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-5-4 from the left end to 17-5-4 to connect truss(es) to front face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S)	Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15	
Uniform Loads (lb/ft)	
Vert: 1-2=-60, 2-7=-60, 11-12=-20	
Concentrated Loads (lb)	
Vert: 10=-1462 (F), 16=-1462 (F), 18=-1462 (F), 19=-1462 (F), 20=-1462 (F), 21=-1462 (F), 22=-1462 (F), 23=-1462 (F), 24=-1462 (F)	



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:52 Page: 1
ID:yiE9llie3KZWuUboi0NMxbzy4ZY-vdiG3TcaTfS9JlrQxpFFes24j79EQpLX5dXlyzXbrv



LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3	JOINTS	1 Brace at Jt(s): 29, 30, 31, 32
OTHERS	2x4 SP No.3		
REACTIONS			
	All bearings 8-7-0. except 19=0-3-8		
(lb) -	Max Horiz 28=-325 (LC 8)		
	Max Uplift All uplift 100 (lb) or less at joint(s) 19, 23, 25, 26 except 24=-161 (LC 10), 27=-463 (LC 10), 28=-212 (LC 8)		
	Max Grav All reactions 250 (lb) or less at joint(s) 24, 25, 26 except 19=843 (LC 18), 23=764 (LC 1), 27=277 (LC 8), 28=559 (LC 10)		
FORCES			
	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-463/343, 3-4=-295/209, 14-15=-768/209, 15-16=-850/183, 2-28=-360/291		
BOT CHORD	27-28=-211/327, 26-27=-211/327, 25-26=-211/327, 24-25=-211/327, 23-24=-109/270, 22-23=0/671, 21-22=0/506, 21-36=0/506, 20-36=0/506, 19-20=-4/629		
WEBS	29-34=-401/285, 29-30=-281/210, 31-35=-889/162, 31-32=-814/194, 32-33=-762/180, 14-33=-746/176, 3-27=-264/270, 23-34=-272/178, 14-20=-111/369, 14-22=0/304, 23-35=-700/30, 16-19=-782/17		

- NSI/
- 
- The seal is a circular red stamp. The outer ring contains the text "NORTH CAROLINA" at the top and "JOHN M. PRESLEY" at the bottom. The inner ring contains "PROFESSIONAL" at the top and "ENGINEER" at the bottom. In the center, it says "SEAL" and "025046". A handwritten date "3/25/25" is written over the seal number. A blue ink signature, which appears to be "John M. Presley", is written across the seal.

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

Job	Truss	Truss Type	Qty	Ply	PBS/APEX TRADITIONAL RF W/VLT CAFE
72502136	DGV	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:53

Page: 1

ID:KGhKWInZeJndNnpVc7CY27yymDy-vdiG3TcaTfS9JlrQxpFFes2937FGQwRX5dXlylzXbrv

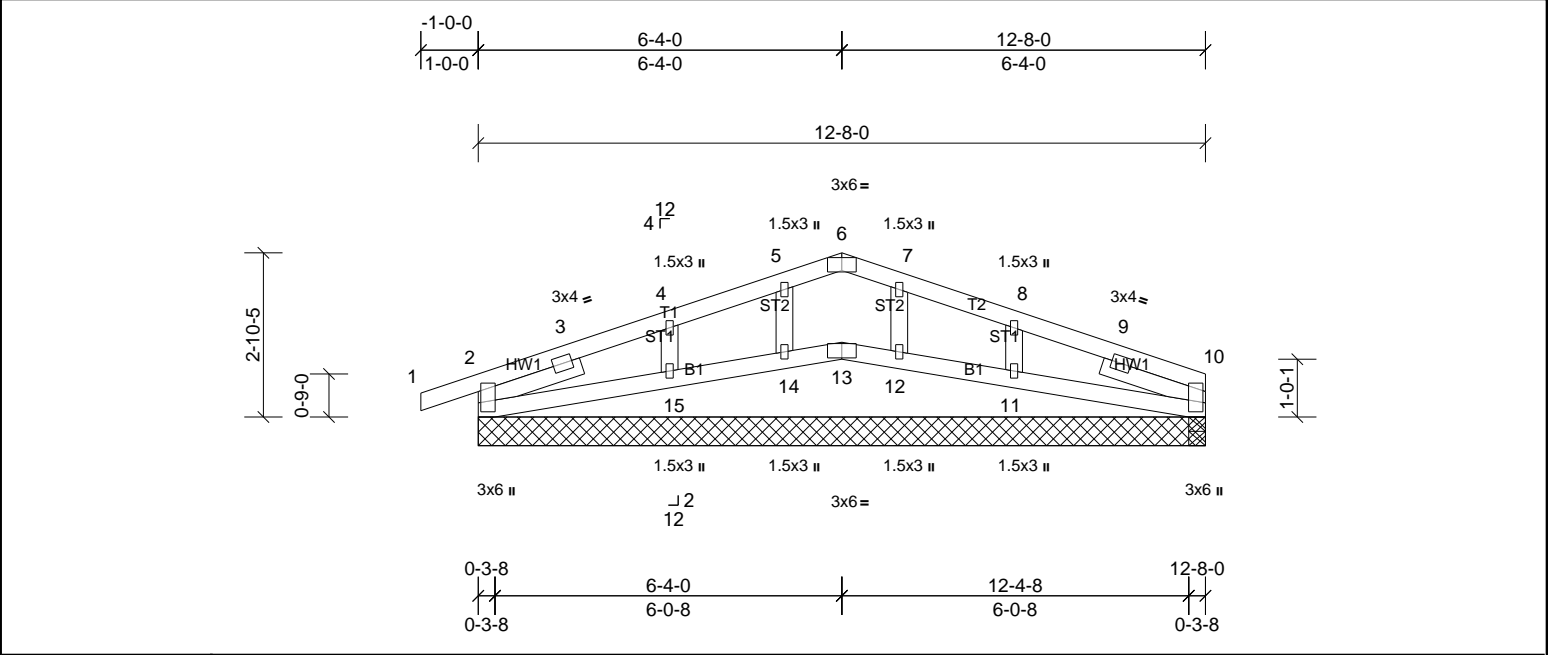


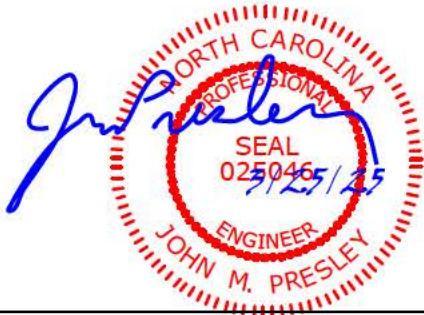
Plate Offsets (X, Y): [2:0-1-12,0-0-8], [6:0-3-0,Edge], [10:0-1-12,0-0-8]

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	0.10	Vert(LL)	0.00	11-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	11-18	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 53 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3		
SLIDER	Left 2x4 SP No.3 -- 1-11-0, Right 2x4 SP No.3 -- 1-11-0		

REACTIONS	All bearings 12-8-0. (lb) - Max Horiz 2=48 (LC 14), 20=48 (LC 14) Max Uplift All uplift 100 (lb) or less at joint(s) 2, 10, 11, 12, 14, 15, 16, 20 Max Grav All reactions 250 (lb) or less at joint(s) 2, 10, 12, 13, 14, 15, 16, 20 except 11=260 (LC 22)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=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
 - Truss designed for wind loads in the plane of the truss only.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 2, 14, 12, 15, 11, 10, 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.



Job	Truss	Truss Type	Qty	Ply	PBS/APEX TRADITIONAL RF W/VLT CAFE
72502136	DV	Truss	5	1	Job Reference (optional)

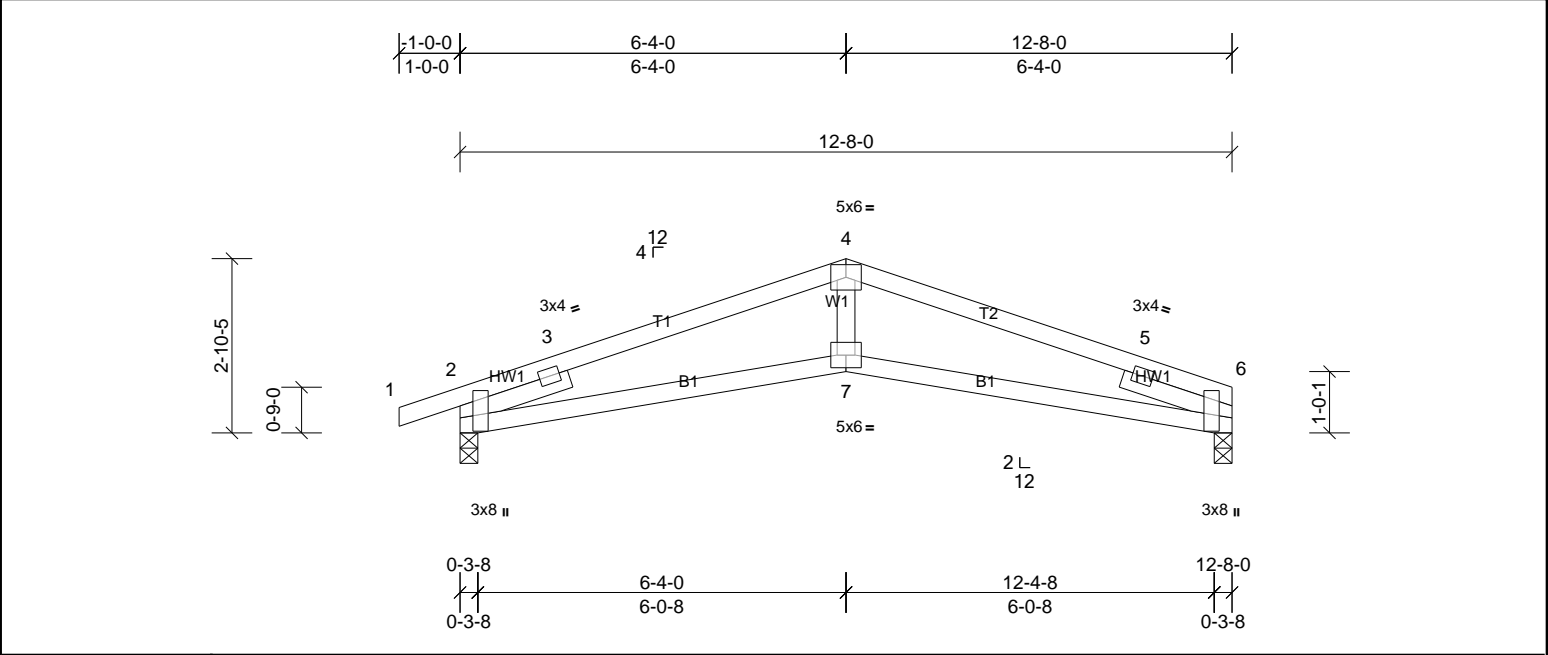


Plate Offsets (X, Y): [2:0-5-0,Edge], [6:0-2-10,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	-0.05	7-10	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.10	7-10	>999	180	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.04	6	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH						Weight: 49 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-10-12 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
SLIDER	Left 2x4 SP No.3 -- 1-11-0, Right 2x4 SP No.3 -- 1-11-0		
REACTIONS	(lb/size)		
	2=569/0-3-8, (min. 0-1-8), 6=504/0-3-8, (min. 0-1-8)		
	Max Horiz 2=48 (LC 14)		
	Max Uplift 2=123 (LC 6), 6=80 (LC 7)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-407/0, 3-4=-1159/365, 4-5=-1110/365, 5-6=-384/0		
BOT CHORD	2-7=-285/1072, 6-7=-285/1073		
WEBS	4-7=-40/452		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 6, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 6 and 123 lb uplift at joint 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.



Job	Truss	Truss Type	Qty	Ply	PBS/APEX TRADITIONAL RF W/VLT CAFE
72502136	M	Truss	5	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:53

Page: 1

ID:5XfwdDGJmYevOdnbkXRBEyymE5-OpGeHpdCEya0xvPcVXnUB4aF9XX89NGhJHGIUkzXbrU

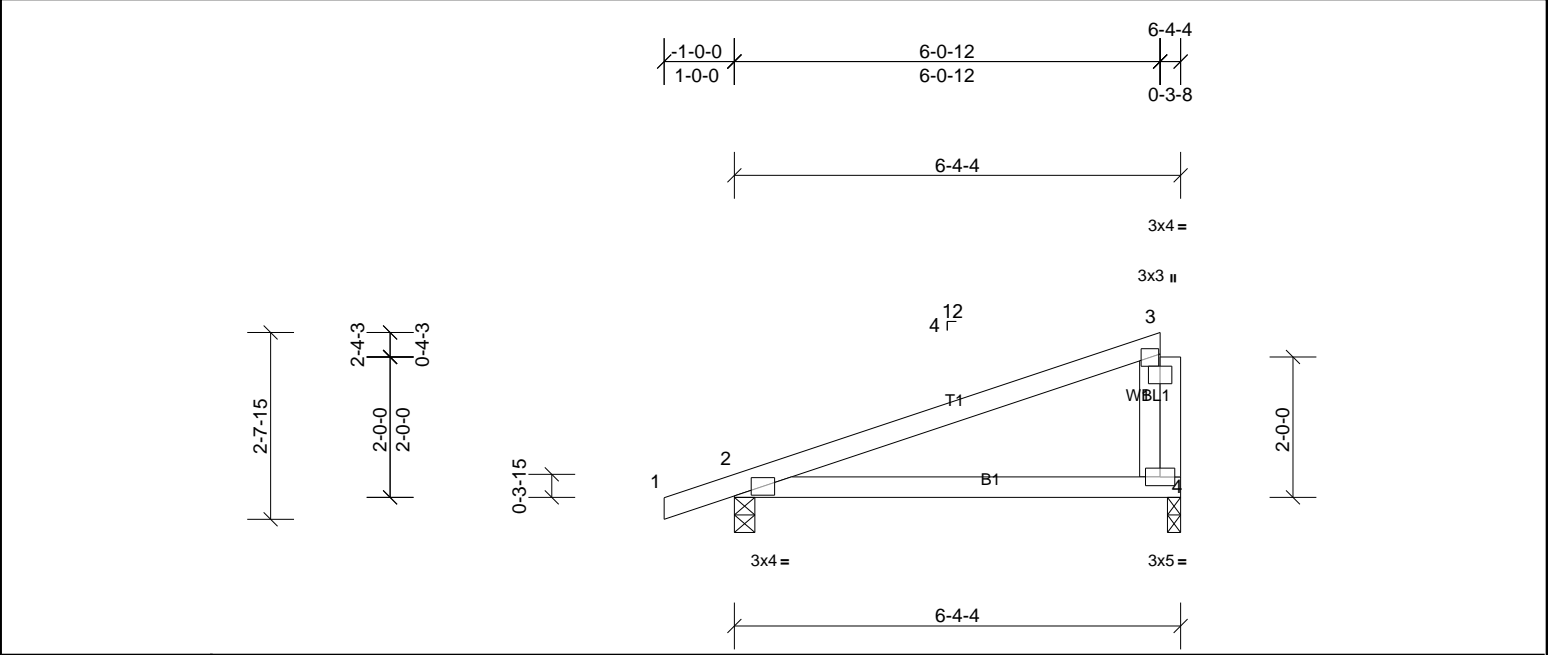


Plate Offsets (X, Y): [3:0-2-0,0-1-7]

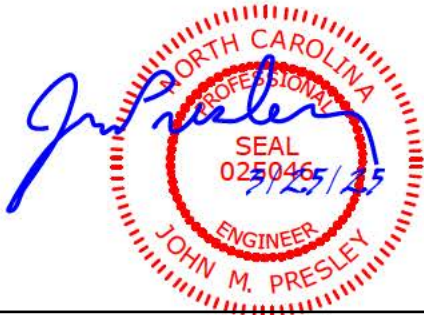
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	0.04	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.09	4-7	>817	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 26 lb	FT = 20%

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

REACTIONS	(lb/size)	2=307/0-3-8, (min. 0-1-8), 4=238/0-2-4, (min. 0-1-8)
	Max Horiz	2=98 (LC 6)
	Max Uplift	2=82 (LC 6), 4=61 (LC 10)

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

- NOTES
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 2 and 61 lb uplift at joint 4.
 - 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/APEX TRADITIONAL RF W/VLT CAFE
72502136	M1	Truss	6	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:53

Page: 1

ID:s47yJyNLt0emldEJ3PhJWwymDz-OpGeHpdCEya0xvPcVXnUB4aB7XX49NGhJHGIUkzXbr

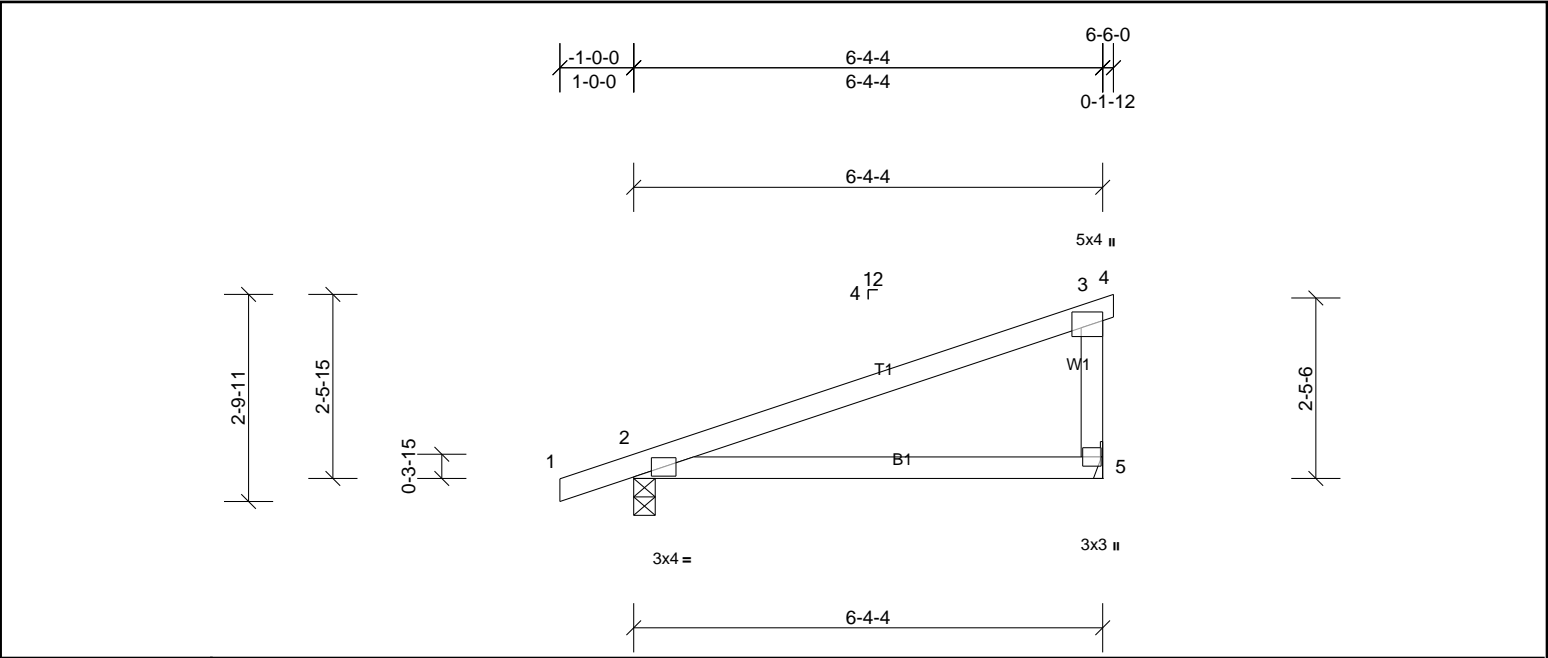


Plate Offsets (X, Y): [3:0-2-0,0-1-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	0.05	5-8	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.10	5-8	>760	180	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							
										Weight: 24 lb	FT = 20%

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

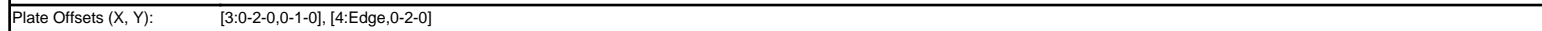
REACTIONS	(lb/size)	2=313/0-3-8, (min. 0-1-8), 5=249/ Mechanical, (min. 0-1-8)
Max Horiz	2=105 (LC 6)	
Max Uplift	2=81 (LC 6), 5=71 (LC 10)	

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; 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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 71 lb uplift at joint 5 and 81 lb uplift at joint 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.



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:53 Page: ID: VwNlbwSqa3ONMwF8cBNuyzy4Cd-OpGeHpdCEya0xvPcVxNUB4aFHXXK9NGhJHG1UkzXbr



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

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

NOTES

-

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



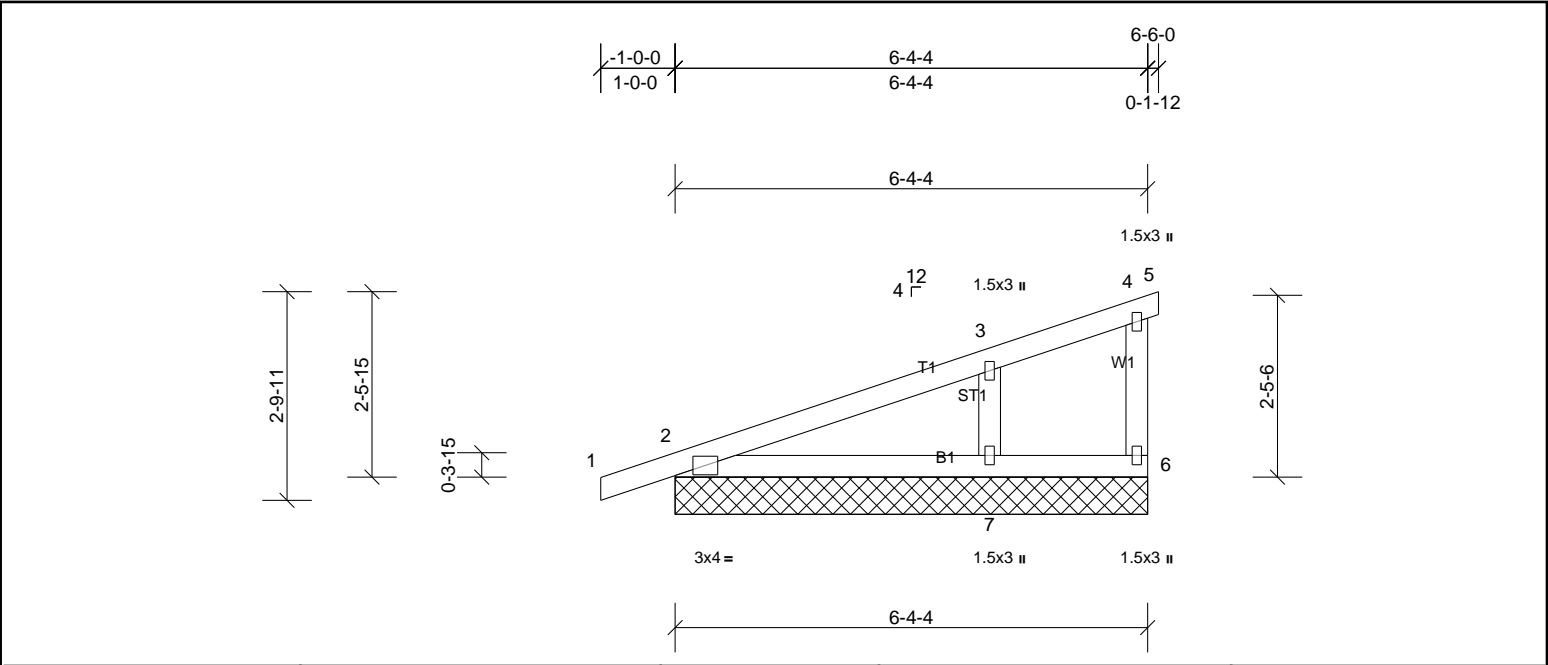
Job	Truss	Truss Type	Qty	Ply	PBS/APEX TRADITIONAL RF W/VLT CAFE
72502136	MG	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:53

Page: 1

ID:s47yJyNLt0emldEJ3PhJWwymDz-QpGeHpdCEya0xvPcVXnUB4aIVXWu9NShJHGIUkzXbr



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/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	0.44	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 26 lb	FT = 20%

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

REACTIONS	All bearings 6-4-4.
(lb) - Max Horiz	2=105 (LC 6), 8=105 (LC 6)
Max Uplift	All uplift 100 (lb) or less at joint(s) 2, 7, 8
Max Grav	All reactions 250 (lb) or less at joint(s) 2, 6, 8 except 7=334 (LC 1)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS	3-7=-256/176

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=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
 - Truss designed for wind loads in the plane of the truss only.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7, 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.



Job	Truss	Truss Type	Qty	Ply	PBS/APEX TRADITIONAL RF W/VLT CAFE
72502136	P	Truss	7	1	Job Reference (optional)

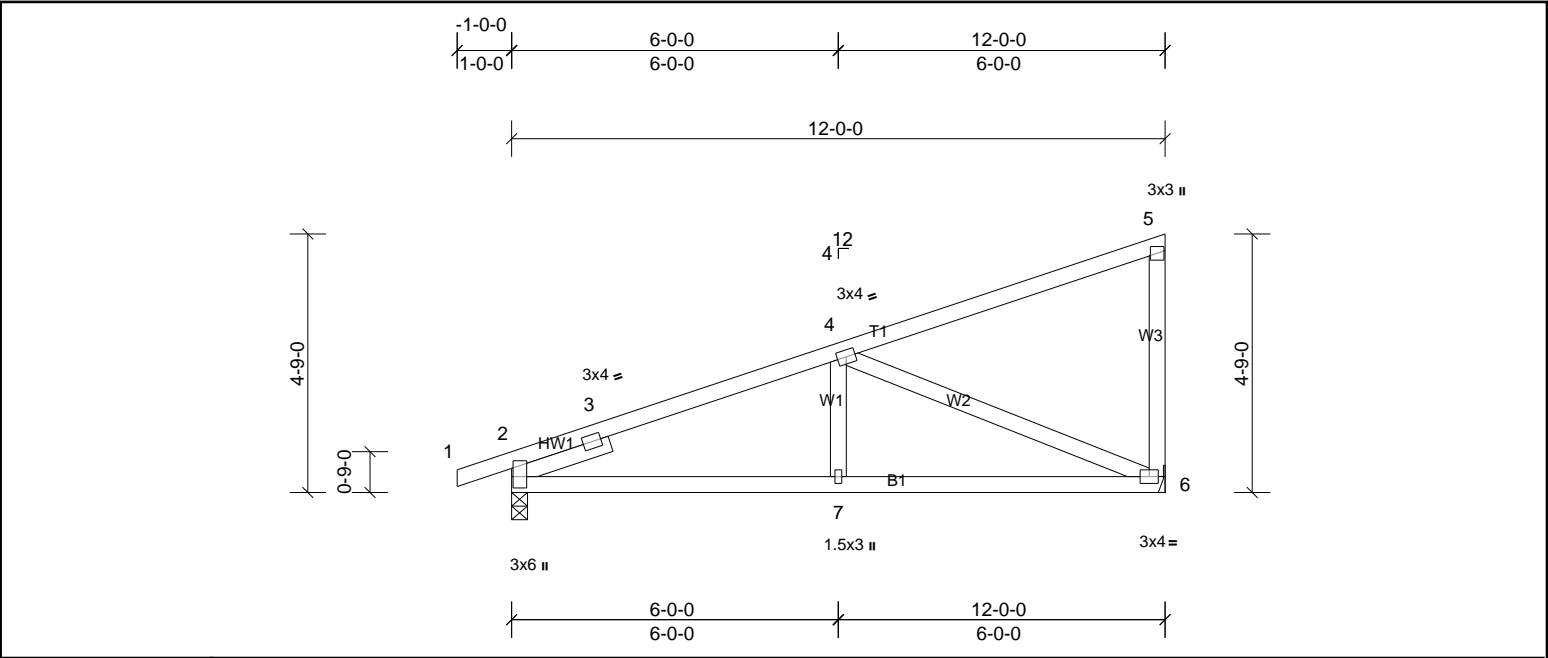


Plate Offsets (X, Y): [2:0-4-5,0-0-5]

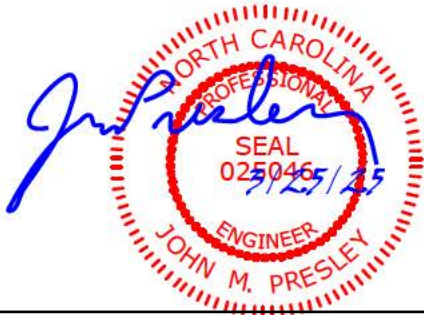
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	-0.03	6-7	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.07	6-7	>999	180	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.01	6	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							
										Weight: 60 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 -- 1-11-0	

REACTIONS	(lb/size) 2=537/0-3-8, (min. 0-1-8), 6=472/ Mechanical, (min. 0-1-8)
	Max Horiz 2=194 (LC 9)
	Max Uplift 2=125 (LC 6), 6=113 (LC 10)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=280/0, 3-4=654/231
BOT CHORD	2-7=189/661, 6-7=189/661
WEBS	4-6=695/287

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 125 lb uplift at joint 2 and 113 lb uplift at joint 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/APEX TRADITIONAL RF W/VLT CAFE
72502136	P1	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:54

Page: 1

ID:KGhKWInZeJndNnpVc7CY27yymDy-s0q0U9eq?GitY3_p2EijjH7Q3xsXuiTqYx0s1AzXbvt

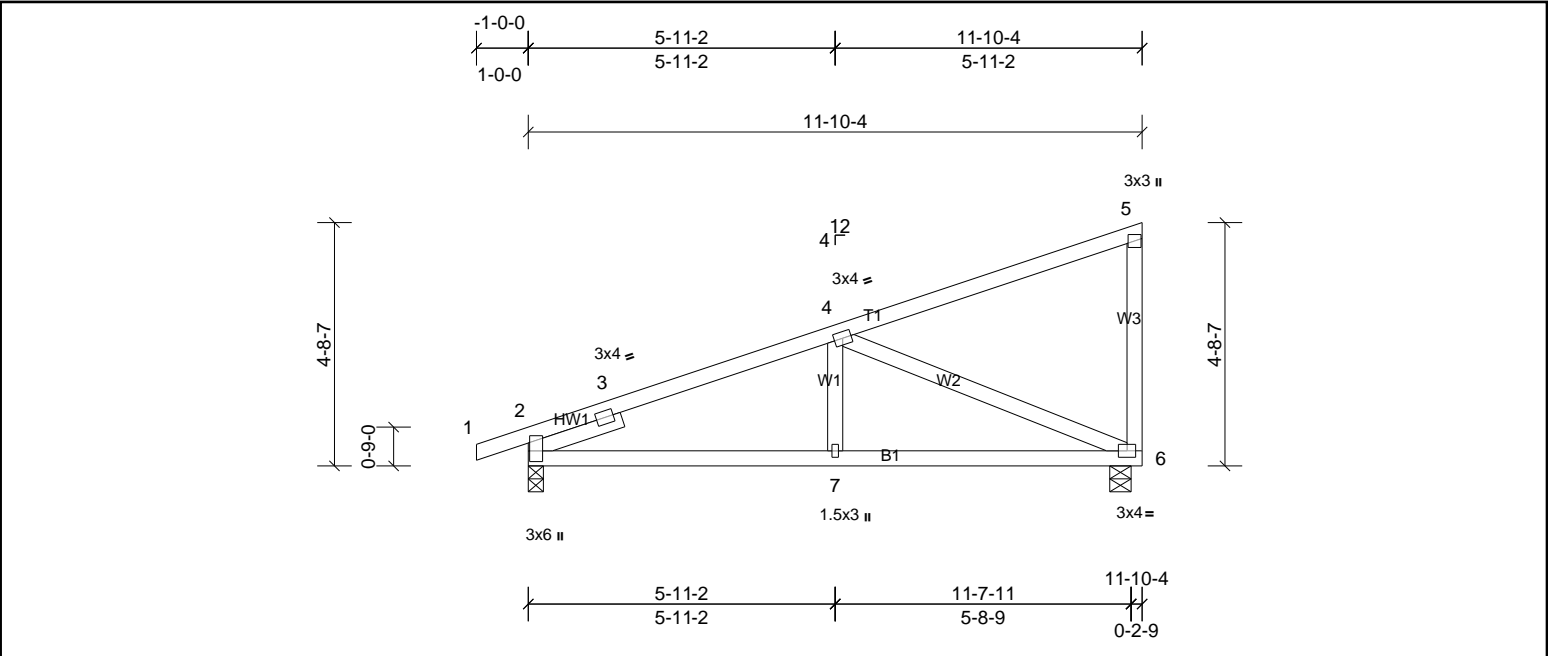


Plate Offsets (X, Y):													[2:0-4-5,0-0-5]				
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP					
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.03	6-7	>999	240	MT20	244/190					
TCDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.07	6-7	>999	180							
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.01	6	n/a	n/a							
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 59 lb	FT = 20%					

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
SLIDER	Left 2x4 SP No.3 -- 1-11-0		
REACTIONS			
(lb/size)	2=531/0-3-8, (min. 0-1-8), 6=466/0-4-15, (min. 0-1-8)		
Max Horiz	2=192 (LC 9)		
Max Uplift	2=124 (LC 6), 6=112 (LC 10)		
FORCES			
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.			
TOP CHORD	2-3=-275/0, 3-4=-644/229		
BOT CHORD	2-7=-188/650, 6-7=-188/650		
WEBS	4-6=-684/284		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=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
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 2 and 112 lb uplift at joint 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/APEX TRADITIONAL RF W/VLT CAFE
72502136	PL	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:54

Page: 1

ID:Gep4xzPDAX1Ld5zukYE07YyymDw-s0q0U9eq?GitY3_p2EljjH7NRxrQuppqYx0s1AzXbvt

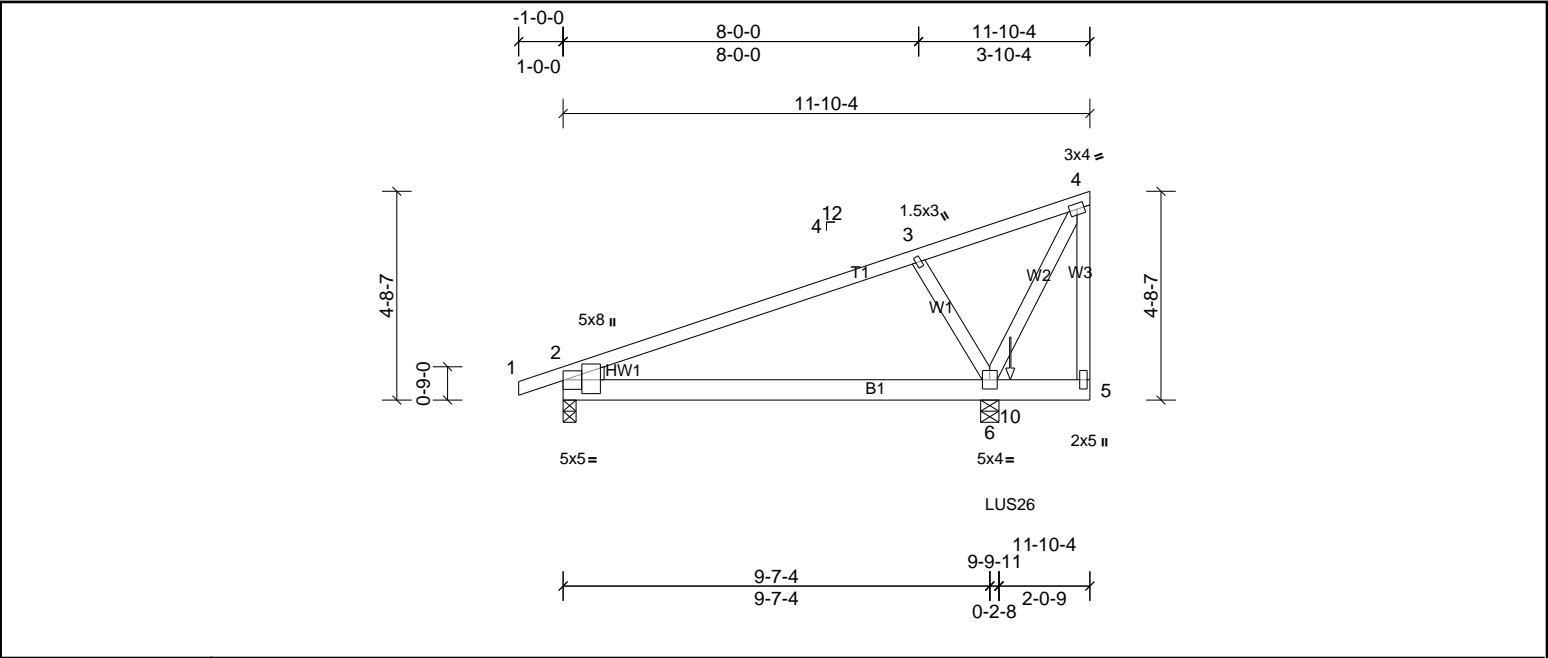


Plate Offsets (X, Y): [2:Edge,0-2-6], [2:0-3-9,0-5-1]

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	0.62	Vert(LL)	0.06	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.12	6-9	>962	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.11	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 66 lb	FT = 20%

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

REACTIONS	(lb/size)	2=406/0-3-8, (min. 0-1-8), 6=1075/0-4-15, (min. 0-1-8)
	Max Horiz	2=176 (LC 23)
	Max Uplift	2=87 (LC 23), 6=250 (LC 8)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=251/15
WEBS	3-6=389/202

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 2 and 250 lb uplift at joint 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.
 - Use Simpson Strong-Tie LUS26 (4-10d Girder, 3-10d Truss, Single Ply Girder) or equivalent at 10-0-12 from the left end to connect truss(es) to front face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)	Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15	
Uniform Loads (lb/ft)	
Vert: 1-4=60, 5-7=20	
Concentrated Loads (lb)	
Vert: 10=484 (F)	



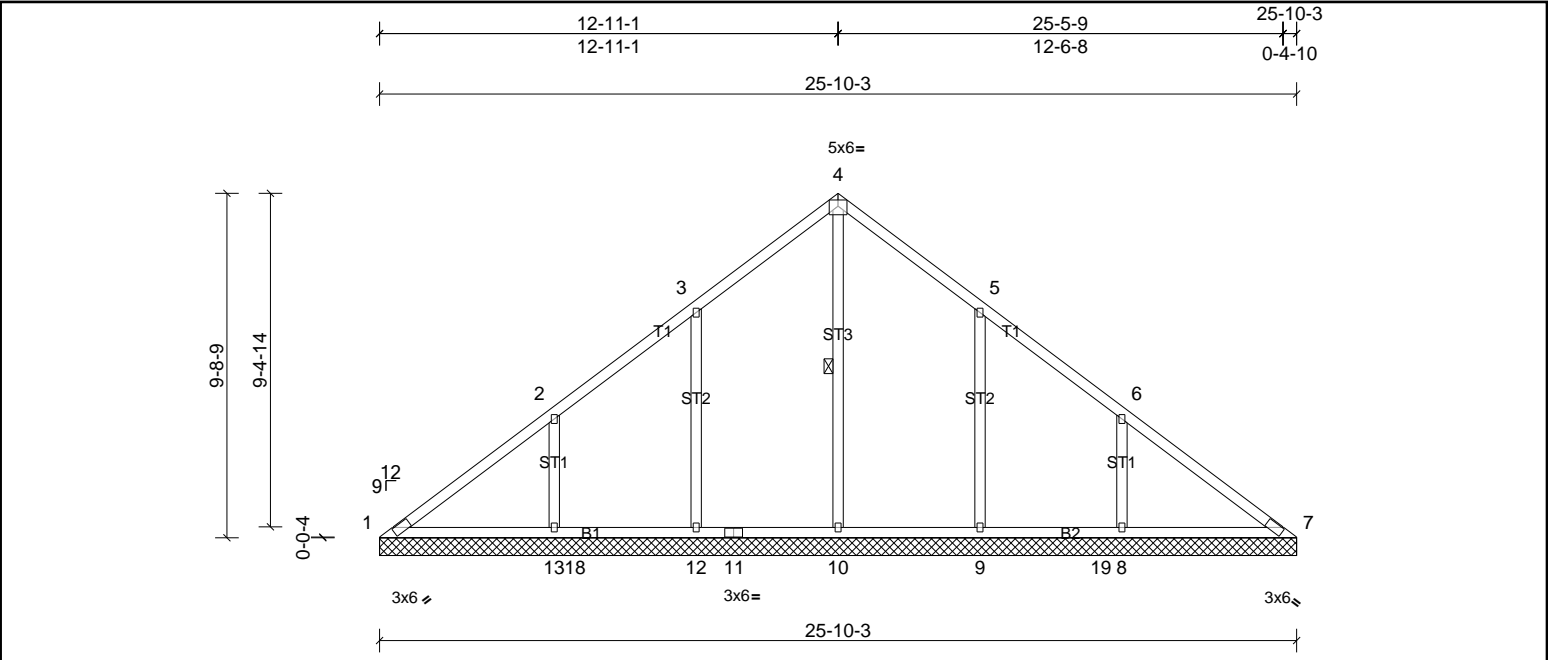
Job	Truss	Truss Type	Qty	Ply	PBS/APEX TRADITIONAL RF W/VLT CAFE
72502136	V1	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:54

Page: 1

ID:blhRYHoXGnfxcWRSqXJXHzy4c0-s0q0U9eq?GitY3_p2ElijH7SuxuSun7qYx0s1AzXbrt



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	0.27	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	0.22	Horiz(TL)	0.01	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 126 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS 2x4 SP No.3	WEBS 1 Row at midpt 4-10

REACTIONS	All bearings 25-10-3.
(lb) - Max Horiz	1=246 (LC 8)
Max Uplift	All uplift 100 (lb) or less at joint(s) 1 except 8=181 (LC 11), 9=163 (LC 11), 12=162 (LC 10), 13=184 (LC 10)
Max Grav	All reactions 250 (lb) or less at joint(s) 1, 7 except 8=477 (LC 18), 9=468 (LC 18), 10=514 (LC 17), 12=467 (LC 17), 13=480 (LC 17)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=230/280
WEBS	4-10=-326/0, 3-12=-281/215, 2-13=-315/216, 5-9=-281/215, 6-8=-315/215

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=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
 - All plates are 2x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 12=162, 13=183, 9=162, 8=180.
 - 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.



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



Job	Truss	Truss Type	Qty	Ply	PBS/APEX TRADITIONAL RF W/VLT CAFE
72502136	V2	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:54

Page: 1

ID:cBNQWzEAFLe3hU7JwKADrNzy4a9-s0q0U9eq?GitY3_p2EljH7T0xv1uoyqYx0s1AzXbtr

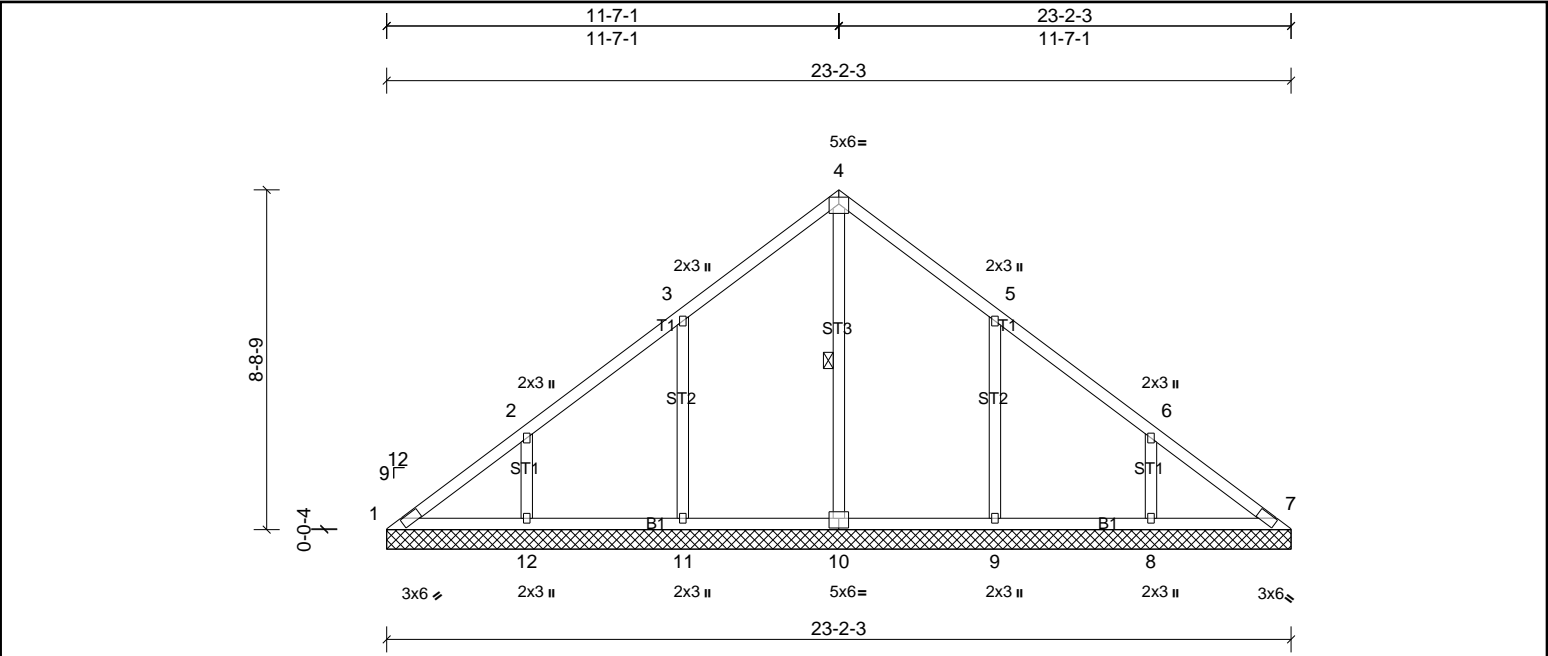


Plate Offsets (X, Y): [10:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.01	7	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 110 lb
											FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS	2x4 SP No.3	WEBS	1 Row at midpt 4-10

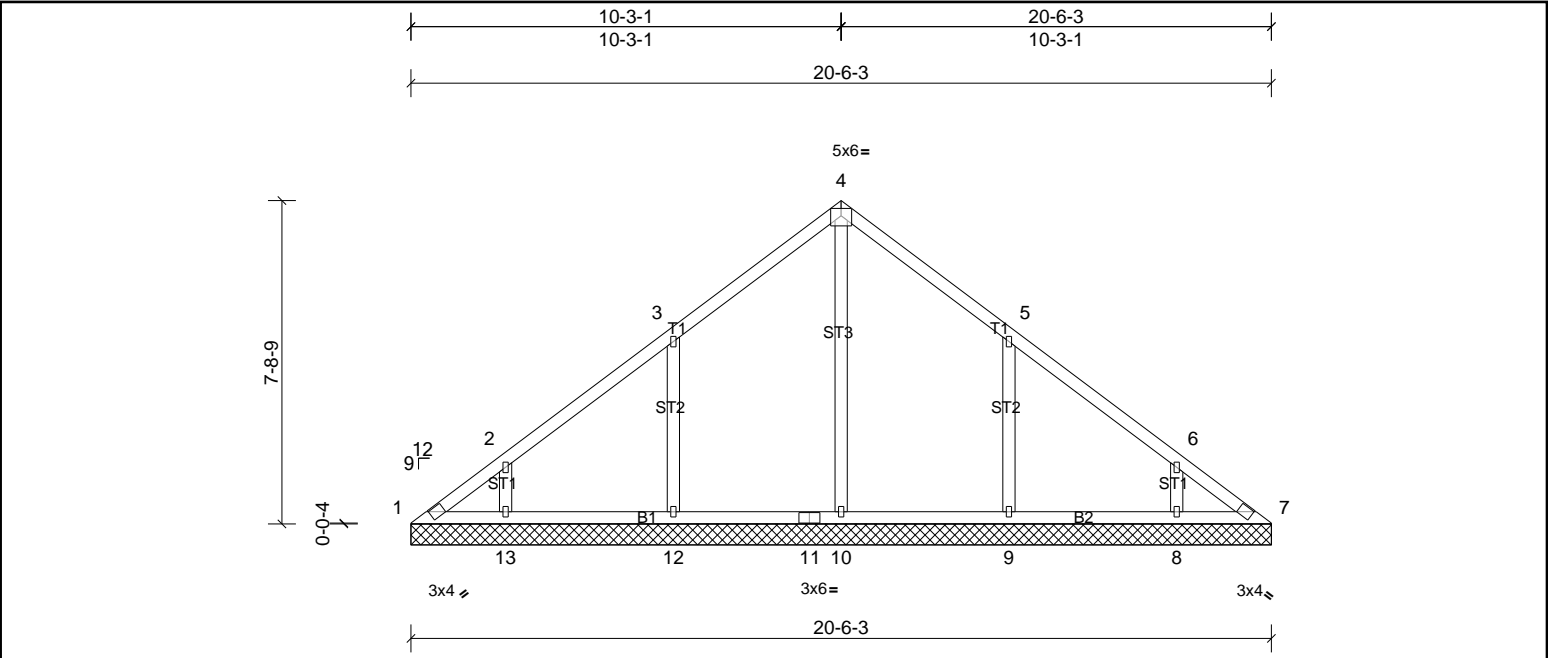
REACTIONS All bearings 23-2-3.
(lb) - Max Horiz 1=220 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 8=153 (LC 11), 9=172 (LC 11), 11=174 (LC 10), 12=145 (LC 10)
Max Grav All reactions 250 (lb) or less at joint(s) 1, 7 except 8=335 (LC 18), 9=428 (LC 18), 10=435 (LC 20), 11=423 (LC 17), 12=354 (LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-11=296/224, 2-12=263/181, 5-9=297/223, 6-8=259/184

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=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
 - All plates are 2x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 11=173, 12=144, 9=172, 8=152.
 - 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/APEX TRADITIONAL RF W/VLT CAFE
72502136	V3	Truss	1	1	Job Reference (optional)



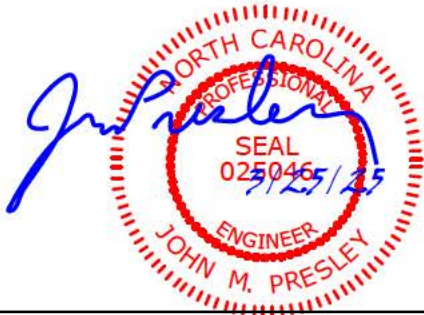
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	n/a	-	n/a	999	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.20	Horiz(TL)	0.00	7	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							
										Weight: 94 lb	FT = 20%

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

REACTIONS	All bearings 20-6-3.
(lb) - Max Horiz	1=195 (LC 7)
Max Uplift	All uplift 100 (lb) or less at joint(s) 1, 7 except 8=108 (LC 11), 9=179 (LC 11), 12=179 (LC 10), 13=113 (LC 10)
Max Grav	All reactions 250 (lb) or less at joint(s) 1, 7 except 8=285 (LC 18), 9=438 (LC 18), 10=404 (LC 20), 12=438 (LC 17), 13=290 (LC 17)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS	3-12=303/227, 5-9=303/227

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=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
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (it=lb) 12=179, 13=112, 9=179, 8=108.
 - 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.



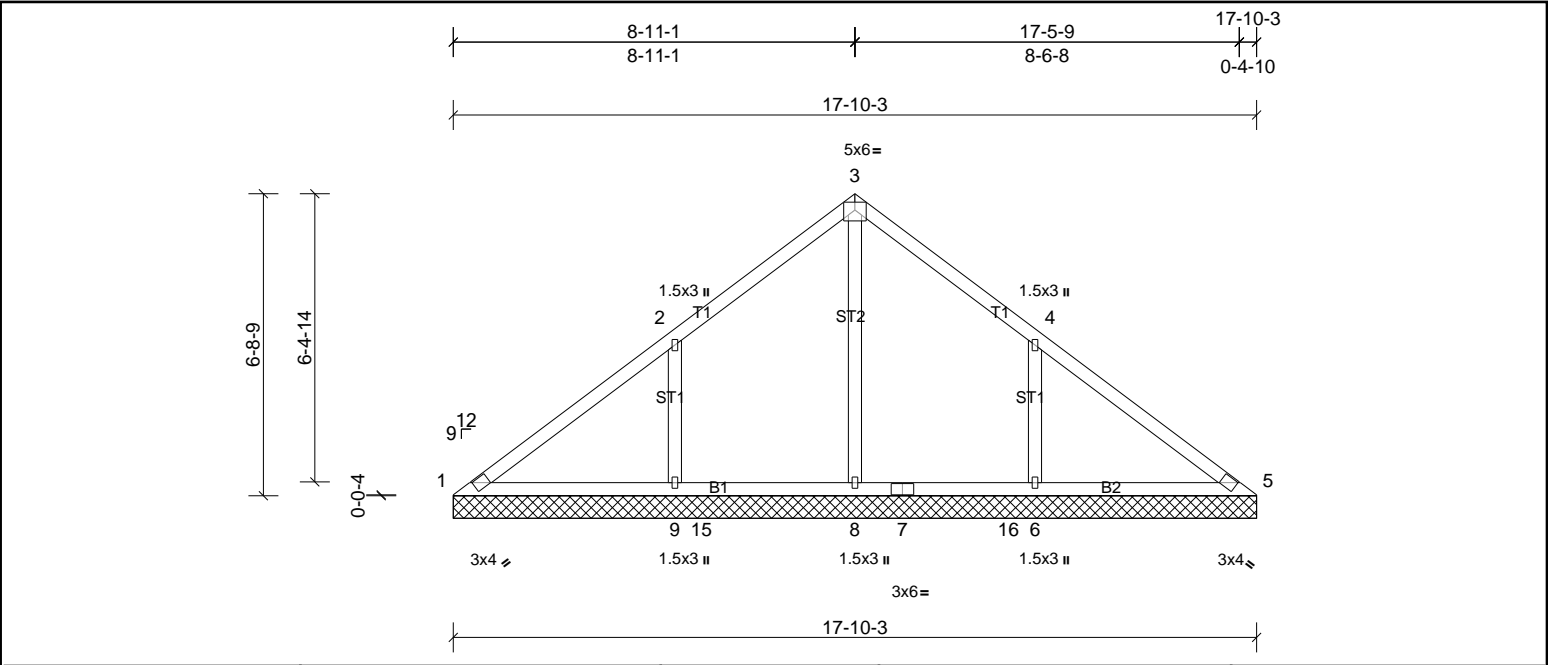
Job	Truss	Truss Type	Qty	Ply	PBS/APEX TRADITIONAL RF W/VLT CAFE
72502136	V4	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

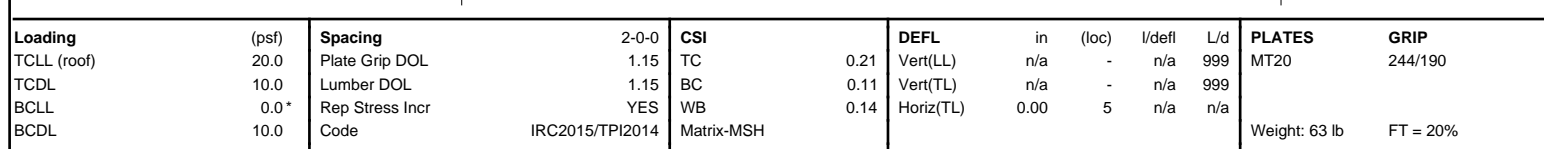
Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:55

Page: 1

ID:cBNQWzEAFLe3hU7JwKADrNzy4a9-KCOOivfSmaqkACZ?cpyGVgcMLFDdB2_nblPZdzXbrs



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:55 Page: ID:cBNQWzEAFLe3hU7JwKADrNzv4a9-KCOOivfSmaqkACZ?cypvGVqeULGWdFY nblPdzXbr



NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=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=170, 6=168.
- 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.

A circular red professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "ENGINEER" at the bottom. The inner ring contains the text "PROFESSIONAL". In the center, the word "SEAL" is printed above the license number "025046". A handwritten signature "John M. Presley" in blue ink is written across the seal. A handwritten date "5/25/25" is written in blue ink over the bottom right portion of the seal.

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

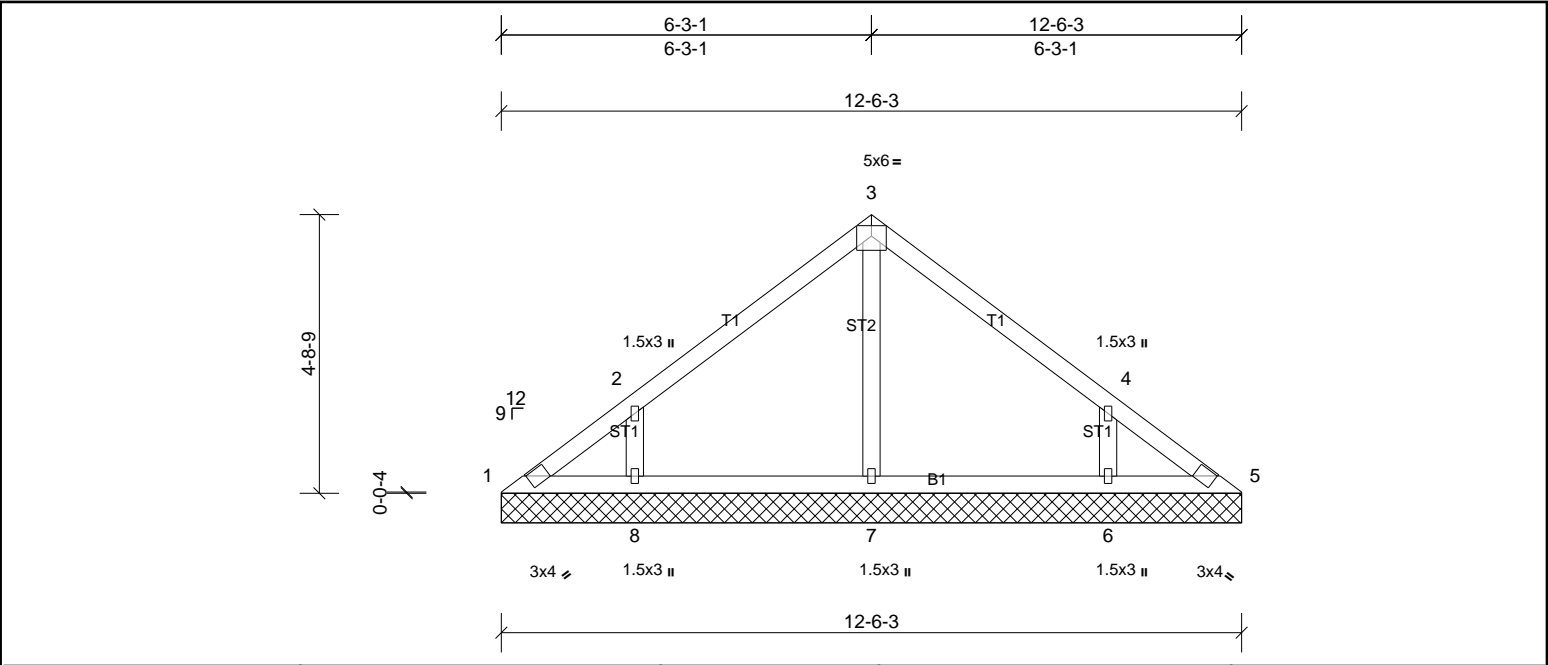
Job	Truss	Truss Type	Qty	Ply	PBS/APEX TRADITIONAL RF W/VLT CAFE
72502136	V6	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:55

Page: 1

ID:4OxokJFo0fmwleiVU1hSOazy4a8-KCOOIvFSmaqkACZ?cypyGVgfvLGKdGg_nblPZdzXbrs



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/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
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999	244/190
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: 50 lb
											FT = 20%

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

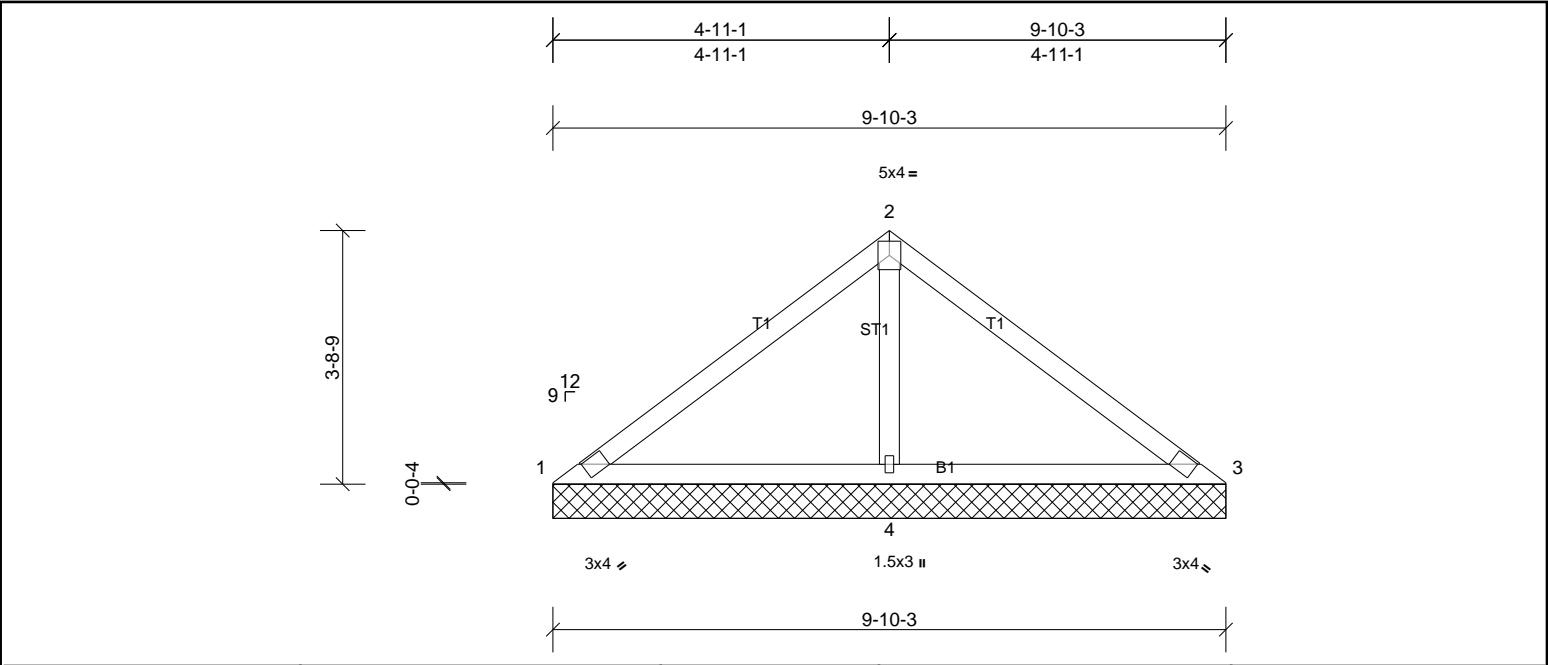
REACTIONS	All bearings 12-6-3.
(lb) - Max Horiz	1=-117 (LC 8)
Max Uplift	All uplift 100 (lb) or less at joint(s) 1 except 6=-144 (LC 11), 8=-147 (LC 10)
Max Grav	All reactions 250 (lb) or less at joint(s) 1, 5 except 6=329 (LC 18), 7=260 (LC 1), 8=332 (LC 17)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS	2-8=-272/199, 4-6=-272/198

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=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
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=147, 6=144.
 - 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/APEX TRADITIONAL RF W/VLT CAFE
72502136	V7	Truss	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 36 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 9-10-3 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS 2x4 SP No.3	

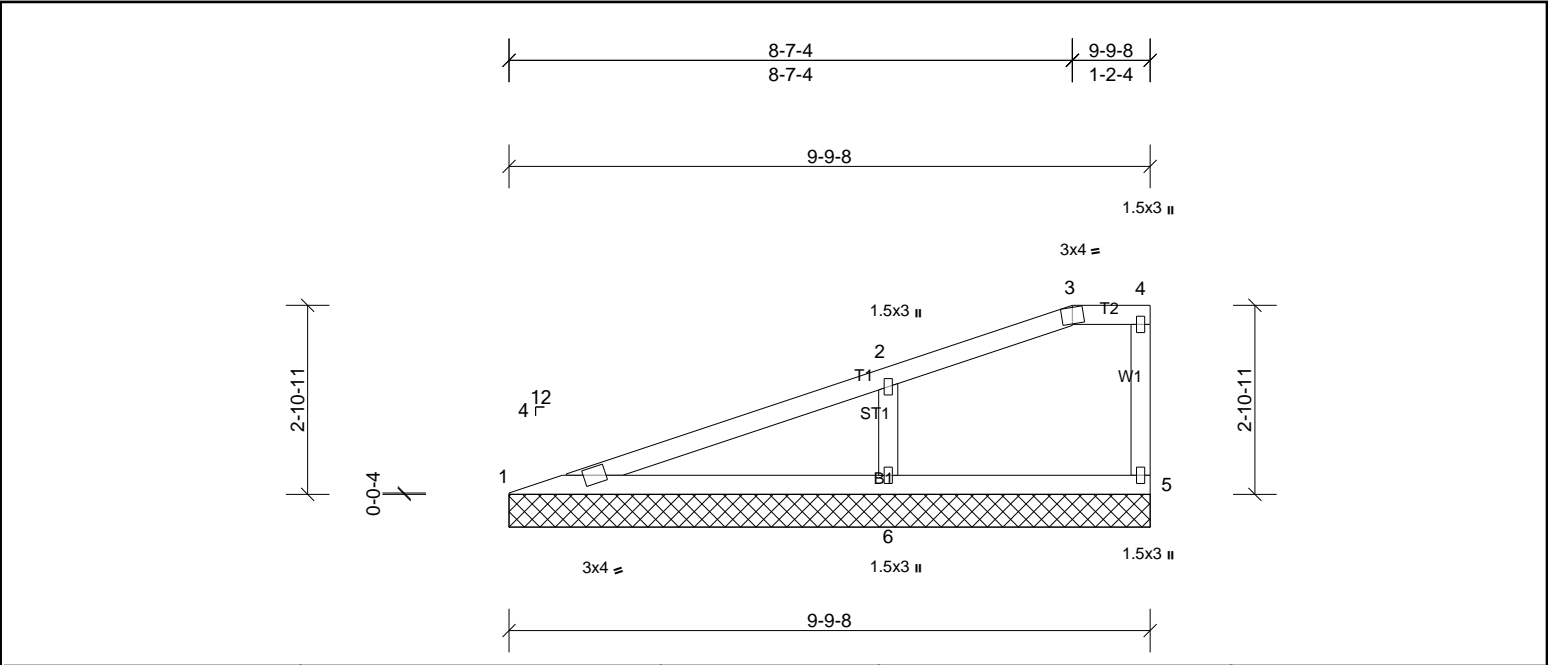
REACTIONS	(lb/size)	1=28/9-10-3, (min. 0-1-8), 3=28/9-10-3, (min. 0-1-8), 4=731/9-10-3, (min. 0-1-8)
	Max Horiz	1=91 (LC 6)
	Max Uplift	1=28 (LC 22), 3=28 (LC 21), 4=129 (LC 10)
	Max Grav	1=70 (LC 21), 3=70 (LC 22), 4=731 (LC 1)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-100/325, 2-3=-100/325
BOT CHORD	1-4=-266/151, 3-4=-266/151
WEBS	2-4=-560/222

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=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
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 1, 28 lb uplift at joint 3 and 129 lb uplift at joint 4.
 - 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/APEX TRADITIONAL RF W/VLT CAFE
72502136	V8	Truss	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(TL)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.01	5	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 34 lb
											FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end
BOT CHORD	2x4 SP No.2	BOT CHORD	verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
WEBS	2x4 SP No.3		Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS	2x4 SP No.3		
REACTIONS	(lb/size)		
	1=189/9-9-8, (min. 0-1-8), 5=90/9-9-8, (min. 0-1-8), 6=493/9-9-8, (min. 0-1-8)		
	Max Horiz 1=118 (LC 7)		
	Max Uplift 1=-24 (LC 6), 5=-24 (LC 7), 6=-119 (LC 6)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-2=-411/101		
BOT CHORD	1-6=-128/384		
WEBS	2-6=-331/219		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=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
 - Provide adequate drainage to prevent water ponding.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 5, 24 lb uplift at joint 1 and 119 lb uplift at joint 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



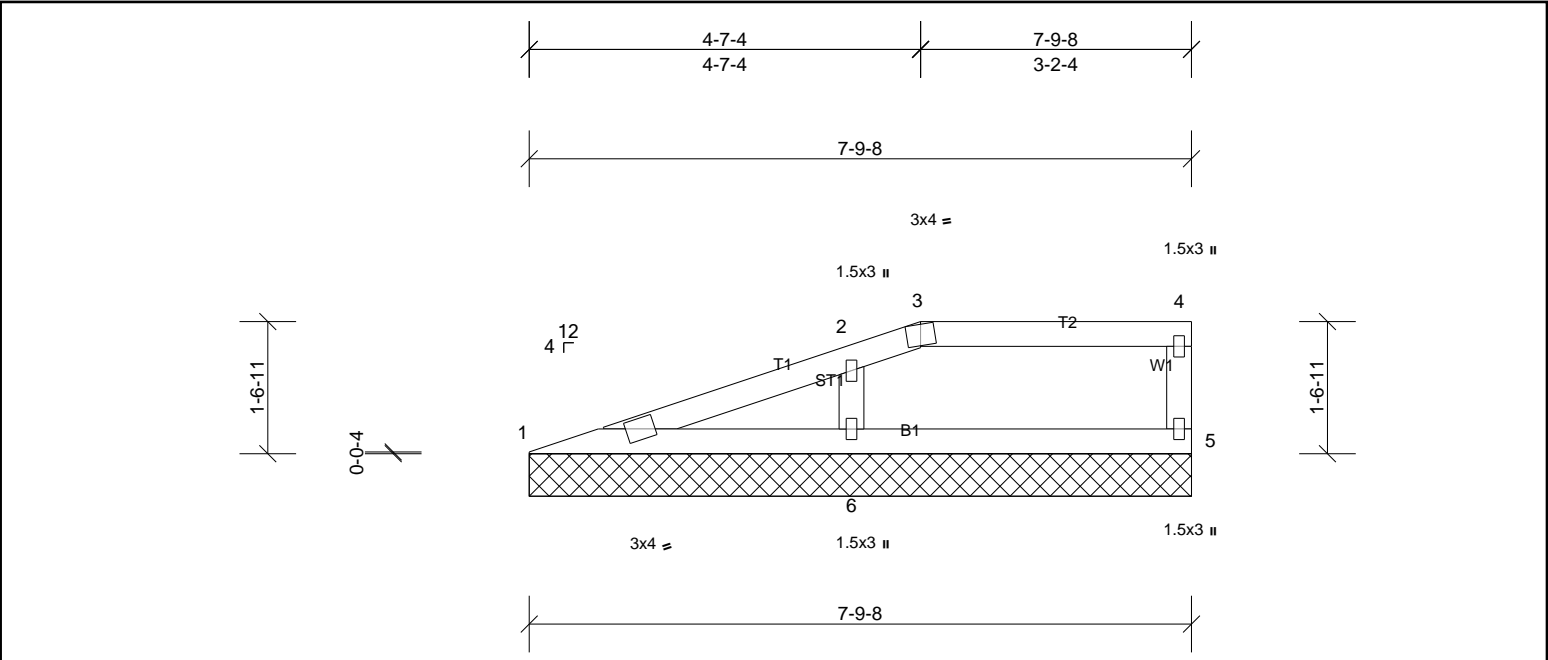
Job	Truss	Truss Type	Qty	Ply	PBS/APEX TRADITIONAL RF W/VLT CAFE
72502136	V9	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:56

Page: 1

ID:KGhKWInZeJndNnpVc7CY27yymDy-oOymvrf4XtyboM8BAfKBpiCqslbEMkBT0FVy53zXbrr



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(TL)	n/a	-	n/a	999	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	5	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							
										Weight: 25 lb	FT = 20%

LUMBER			BRACING		
TOP CHORD	2x4 SP No.2		TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4. Rigid ceiling directly applied or 10-0-0 oc bracing.	
BOT CHORD	2x4 SP No.2		BOT CHORD		
WEBS	2x4 SP No.3				
OTHERS	2x4 SP No.3				

REACTIONS	(lb/size)	1=125/7-9-8, (min. 0-1-8), 5=128/7-9-8, (min. 0-1-8), 6=358/7-9-8, (min. 0-1-8)
Max Horiz	1=60 (LC 7)	
Max Uplift	1=-20 (LC 6), 5=-30 (LC 7), 6=-79 (LC 6)	
Max Grav	1=125 (LC 1), 5=137 (LC 22), 6=358 (LC 1)	

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

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=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
 - Provide adequate drainage to prevent water ponding.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 5, 20 lb uplift at joint 1 and 79 lb uplift at joint 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



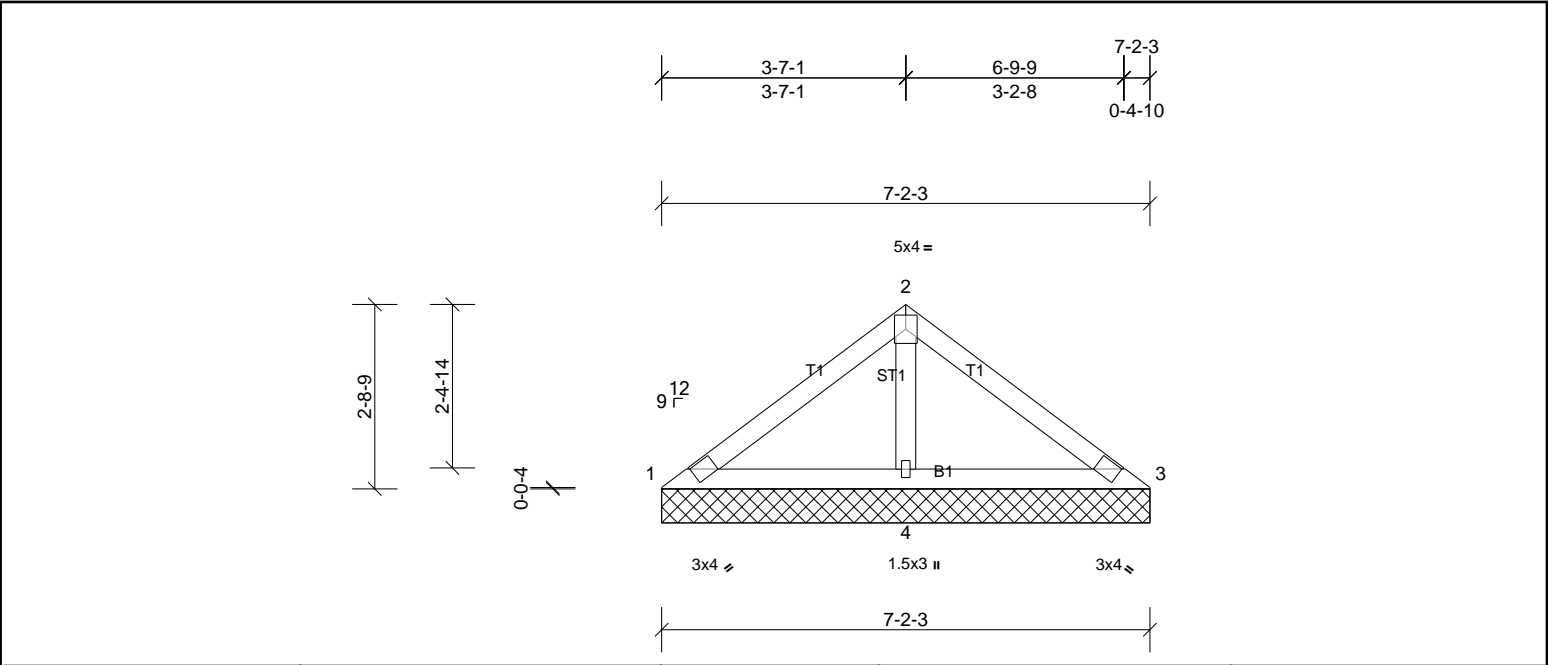
Job	Truss	Truss Type	Qty	Ply	PBS/APEX TRADITIONAL RF W/VLT CAFE
72502136	V10	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.98 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Mar 24 22:20:56

Page: 1

ID:77q2JdDYU2WC3KY6Mcf_J9zy4aA-oOymvrf4XtyboM8BAfKBpiCqWlbEMjs70FVy53zXbrr



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 26 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 7-2-3 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS 2x4 SP No.3	

REACTIONS	(lb/size)	1=53/7-2-3, (min. 0-1-8), 3=53/7-2-3, (min. 0-1-8), 4=469/7-2-3, (min. 0-1-8)
	Max Horiz	1=65 (LC 9)
	Max Uplift	3=11 (LC 11), 4=73 (LC 10)
	Max Grav	1=75 (LC 21), 3=75 (LC 22), 4=469 (LC 1)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS	2-4=-336/130

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=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
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 3 and 73 lb uplift at joint 4.
 - 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.

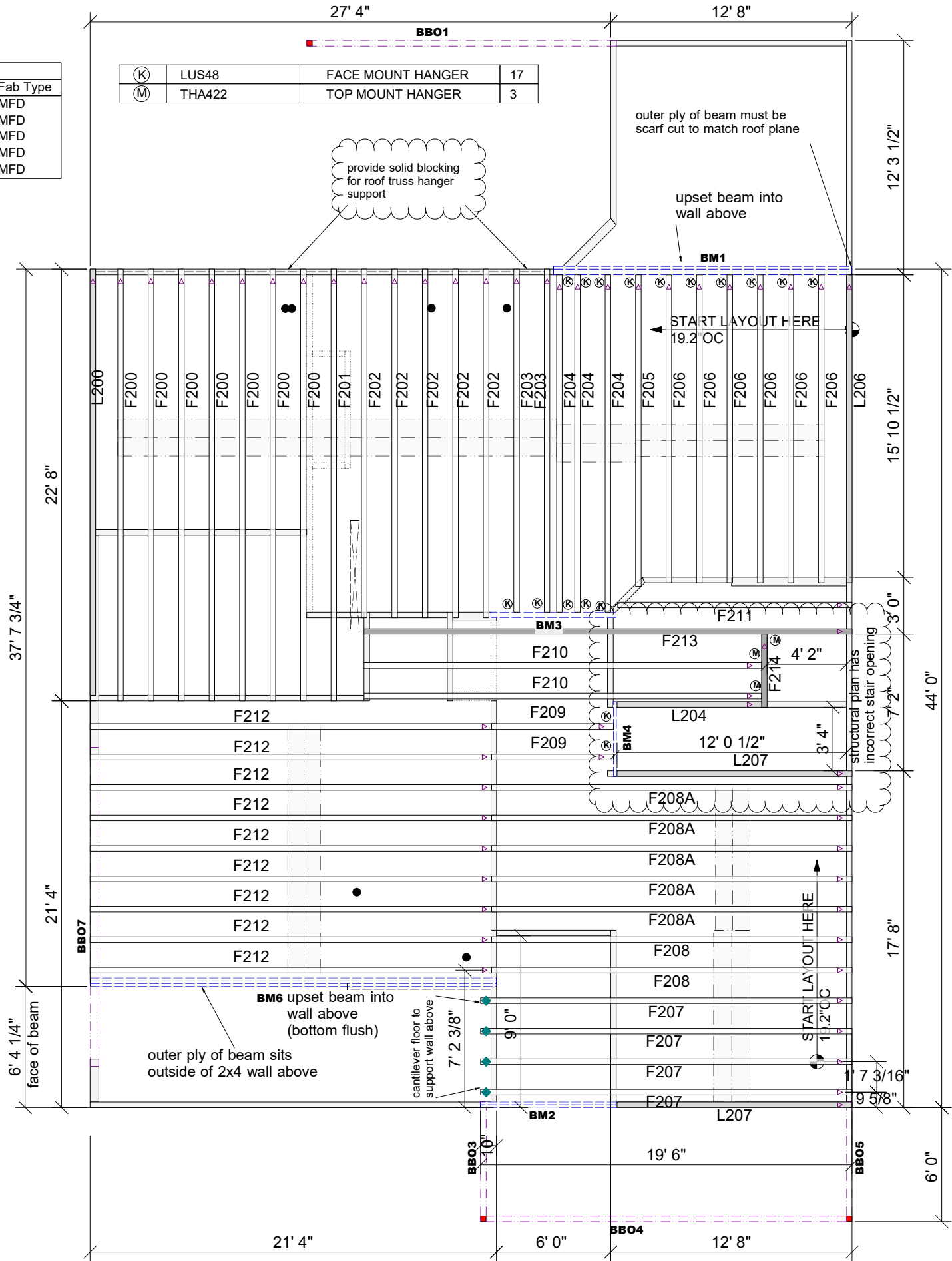


THIS IS A TRUSS/COMPONENT PLACEMENT DIAGRAM (TPD) ONLY; NOT AN ENGINEERED DOCUMENT. Trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual truss design drawings (TDD's) for each truss design identified on the TPD. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for 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.sbcassociation.com). It is the responsibility of the General Contractor to verify that the provided component of steel 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 specific modifications 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 DESIGNER/ENGINEER BY UFP. The Fabricator is responsible to verify all dimensions, including adjoining member spacing within clearances to allow for the roof 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 for 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.

PLACEMENT PLAN

PlotID	Length	Products		Plies	Net Qty	Fab Type
		Product				
BM2	8' 0"	1 3/4" x 14" 2.0E Microllam® LVL		2	2	MFD
BM3	8' 0"	1 3/4" x 14" 2.0E Microllam® LVL		2	2	MFD
BM4	4' 0"	1 3/4" x 14" 2.0E Microllam® LVL		1	1	MFD
BM1	16' 0"	1 3/4" x 16" 2.0E Microllam® LVL		3	3	MFD
BM6	22' 0"	1 3/4" x 24" 2.0E Microllam® LVL		3	3	MFD

(K)	LUS48	FACE MOUNT HANGER	17
(M)	THA422	TOP MOUNT HANGER	3



SCALE: N.T.S

ROOF AREA: 0 ft² RIDGE LINE: 0 ft VALLEY LINES: 0 HIP LINES: 0 **△ Indicates Left End of Truss**

**THE APEX 2ND FL
TRADITIONAL**

**W/DBLPCKT/COV PRCH/SIDE
ENTRY**

REVISONS		DSN
DATE	DESCRIPTION	

DESIGNER DBM

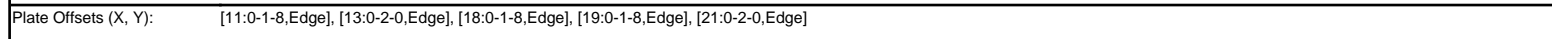
LAYOUT DATE 3/13/25

ARCH DATE

STRUC DATE

JOB #: 25011639F2

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 27 22:12:01 Page: 1
ID:Jv3BhEMefC3hhjpA8mAc6CyyMFH-2LE UCXUwW6uDN3734_dd2yggKdV_UO?F_RWQ5zr1dz



LUMBER		BRACING	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	13=329/0-3-8, (min. 0-1-8), 17=1067/0-3-8, (min. 0-1-8), 21=565/0-3-8, (min. 0-1-8)
	Max Grav	13=348 (LC 7), 17=1067 (LC 1), 21=582 (LC 10)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1566/0, 3-4=-1696/0, 4-5=-1696/0, 5-6=-1696/0, 6-7=0/477, 7-8=0/477, 8-9=0/477, 9-10=-663/0, 10-11=-663/0
BOT CHORD	20-21=0/1231, 19-20=0/1824, 18-19=0/1696, 17-18=0/1108, 16-17=0/513, 15-16=0/513, 14-15=0/663, 13-14=0/663
WEBS	8-17=-258/0, 9-17=-837/0, 11-13=-705/0, 9-15=0/310, 2-21=-1319/0, 2-20=0/435, 3-20=-336/0, 3-19=-291/99, 6-17=-1397/0, 6-18=0/849

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 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.
- 5) CAUTION, Do not erect truss backwards.

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP[®] plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SRCA and Truss Plate Institute.

Job 72502135	Truss F201	Truss Type Truss	Qty 1	Ply 1	PB NW HMS/THE APEX TRADITIONAL RH 2ND Job Reference (optional)
-----------------	---------------	---------------------	----------	----------	---

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 27 22:12:02

Page: 1

ID:FIAY5vNvBpJPw1zYFBC4BdyymFF-_jLkvuZIS7McShDWBU05jT1?28FgSMYIjIwdU_zr1dx

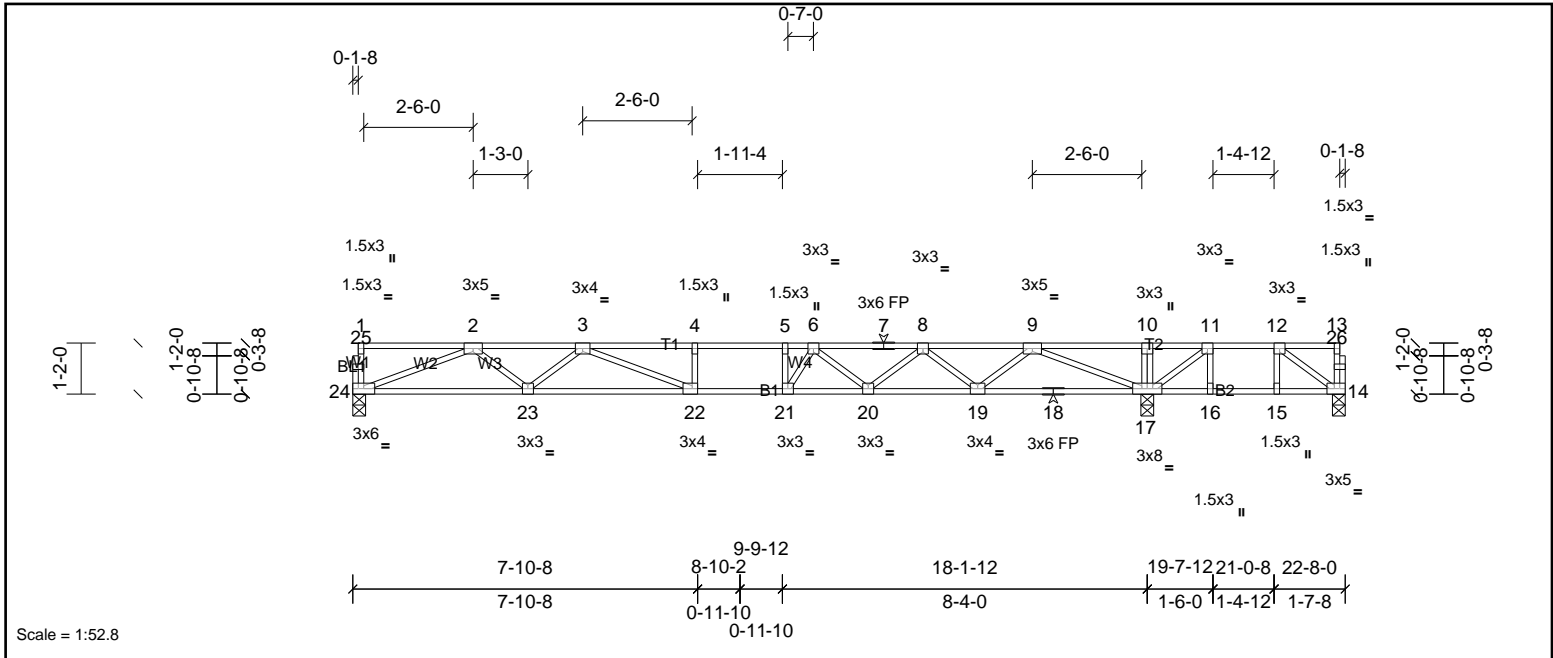


Plate Offsets (X, Y):	[14:0-2-0,Edge], [22:0-1-8,Edge]
-----------------------	----------------------------------

Loading	(psf)	Spacing	1-7-3	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.92	Vert(LL)	-0.26	22-23	>827	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.97	Vert(CT)	-0.36	22-23	>596	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.06	17	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 112 lb	FT = 20%F, 11%E

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

REACTIONS	(lb/size)	14=-72/0-3-8, (min. 0-1-8), 17=1313/0-3-8, (min. 0-1-8), 24=721/0-3-8, (min. 0-1-8)
Max Uplift	14=-207 (LC 3)	
Max Grav	14=116 (LC 4), 17=1313 (LC 1), 24=724 (LC 10)	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2069/0, 3-4=-2870/0, 4-5=-2870/0, 5-6=-2870/0, 6-7=-2382/0, 7-8=-2382/0, 8-9=-1435/0, 9-10=0/1128, 10-11=0/1124, 11-12=-41/493
BOT CHORD	23-24=0/1582, 22-23=0/2506, 21-22=0/2870, 20-21=0/2737, 19-20=0/2031, 18-19=0/799, 17-18=0/799, 16-17=-493/41, 15-16=-493/41, 14-15=-493/41
WEBS	11-17=-893/0, 12-14=-46/615, 5-21=-356/33, 2-24=-1696/0, 2-23=0/634, 3-23=-569/0, 3-22=0/599, 9-17=-1995/0, 9-19=0/836, 8-19=-786/0, 8-20=0/463, 6-20=-472/0, 6-21=-84/555

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 207 lb uplift at joint 14.
 - 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.
 - 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.
 - CAUTION, Do not erect truss backwards.



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



Job	Truss	Truss Type	Qty	Ply	PB NW HMS/THE APEX TRADITIONAL RH 2ND
72502135	F202	Truss	5	1	Job Reference (optional)

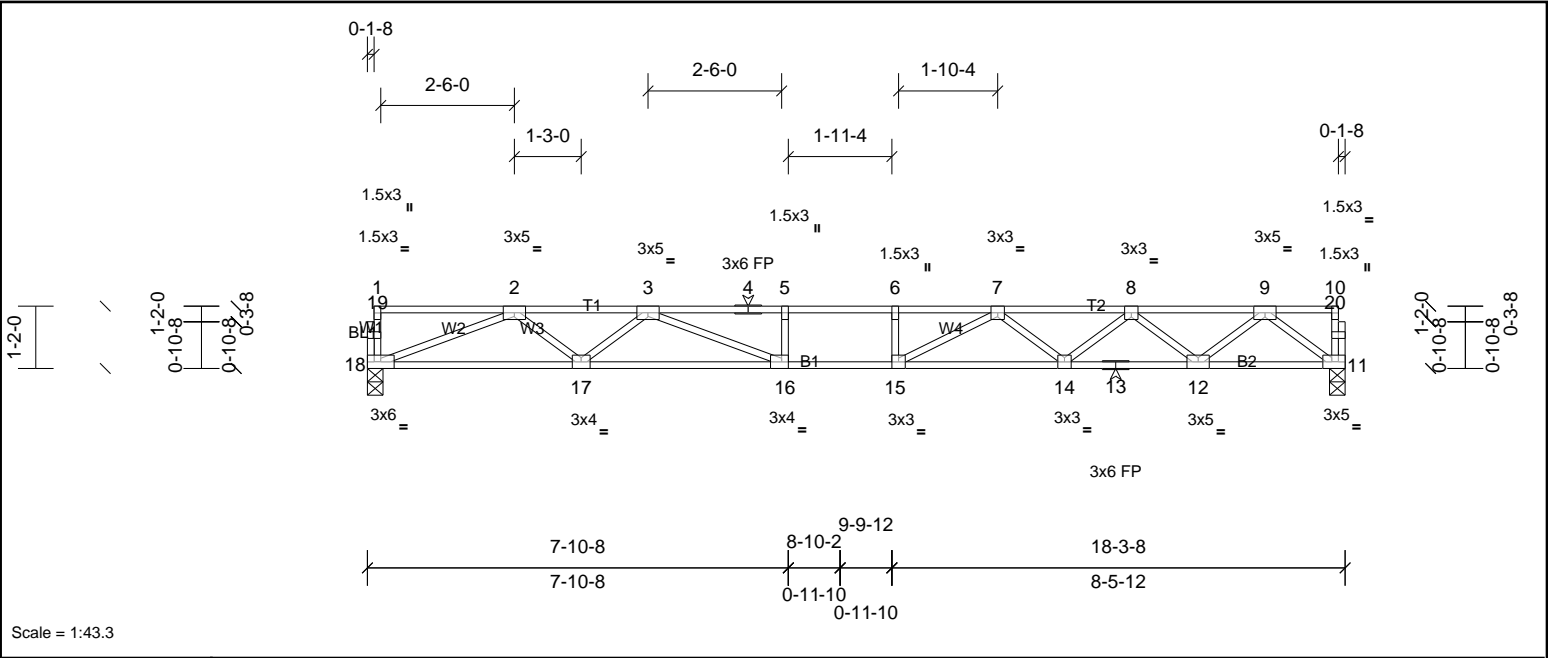


Plate Offsets (X, Y):												[11:0-2-0,Edge], [16:0-1-8,Edge]					
Loading		(psf)	Spacing		1-7-3	CSI		DEFL		in	(loc)	I/defl	L/d	PLATES		GRIP	
TCLL		40.0	Plate Grip DOL		1.00	TC		0.57		Vert(LL)		-0.28	15	>770	480	MT20 244/190	
TCDL		10.0	Lumber DOL		1.00	BC		0.80		Vert(CT)		-0.39	15	>559	360		
BCLL		0.0	Rep Stress Incr		YES	WB		0.51		Horz(CT)		0.06	11	n/a	n/a		
BCDL		5.0	Code		IRC2015/TPI2014	Matrix-SH										Weight: 89 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 11=788/0-3-8, (min. 0-1-8), 18=788/0-3-8, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2299/0, 3-4=-3400/0, 4-5=-3400/0, 5-6=-3400/0, 6-7=-3400/0, 7-8=-2768/0, 8-9=-1680/0
BOT CHORD 17-18=0/1741, 16-17=0/2818, 15-16=0/3400, 14-15=0/3153, 13-14=0/2349, 12-13=0/2349, 11-12=0/988
WEBS 2-18=-1868/0, 2-17=0/725, 3-17=-676/0, 3-16=0/830, 9-11=-1237/0, 9-12=0/901, 8-12=-871/0, 8-14=0/546, 7-14=-501/0, 7-15=-71/584

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	PB NW HMS/THE APEX TRADITIONAL RH 2ND
72502135	F203	Truss	2	1	Job Reference (optional)

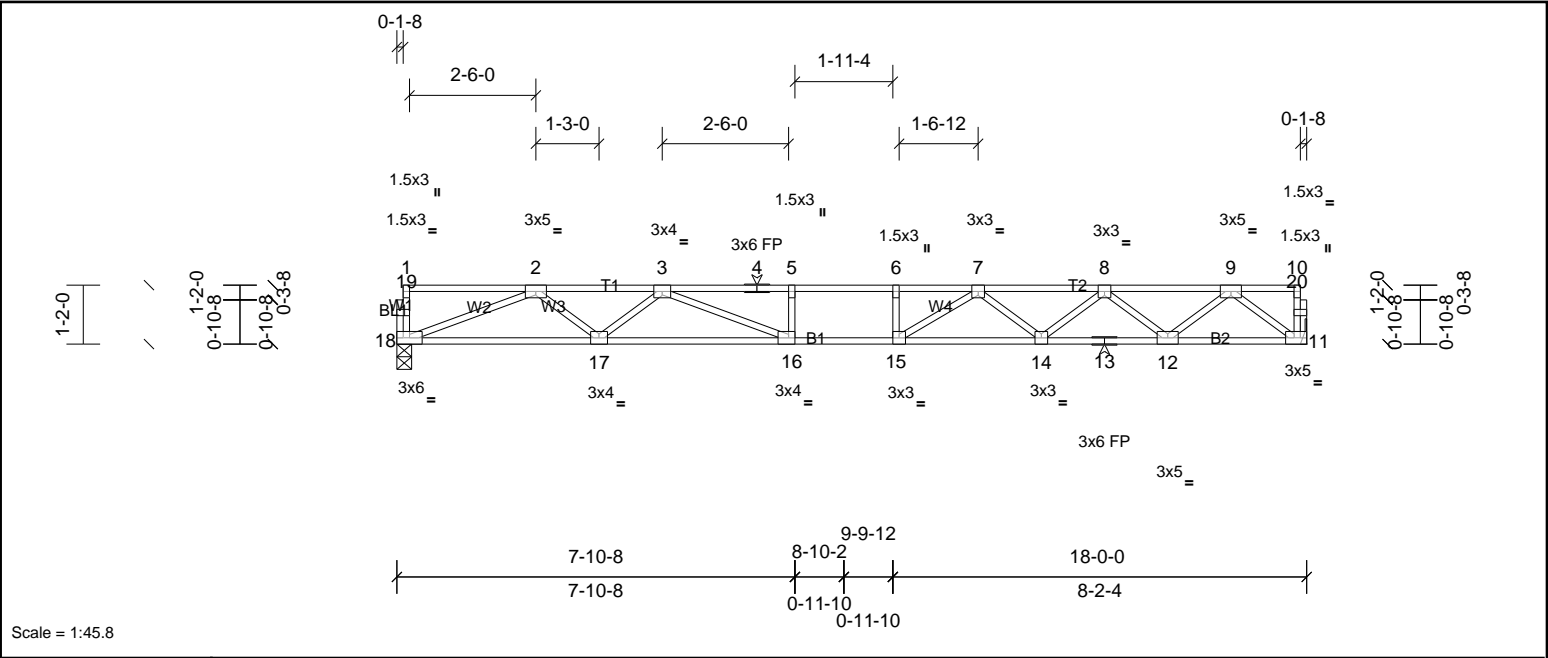


Plate Offsets (X, Y): [11:0-2-0,Edge], [16:0-1-8,Edge]												
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.58	Vert(LL)	-0.26	15-16	>822	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.35	15-16	>600	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.06	11	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 88 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		
REACTIONS	(lb/size) 11=775/ Mechanical, (min. 0-1-8), 18=775/0-3-8, (min. 0-1-8)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-2254/0, 3-4=-3293/0, 4-5=-3293/0, 5-6=-3293/0, 6-7=-3293/0, 7-8=-2700/0, 8-9=-1649/0		
BOT CHORD	17-18=0/1710, 16-17=0/2756, 15-16=0/3293, 14-15=0/3072, 13-14=0/2302, 12-13=0/2302, 11-12=0/971		
WEBS	2-18=-1834/0, 2-17=0/708, 3-17=-654/0, 3-16=0/784, 9-11=-1216/0, 9-12=0/883, 8-12=-850/0, 8-14=0/519, 7-14=-484/0, 7-15=-74/551		
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	PB NW HMS/THE APEX TRADITIONAL RH 2ND
72502135	F204	Truss	3	1	Job Reference (optional)

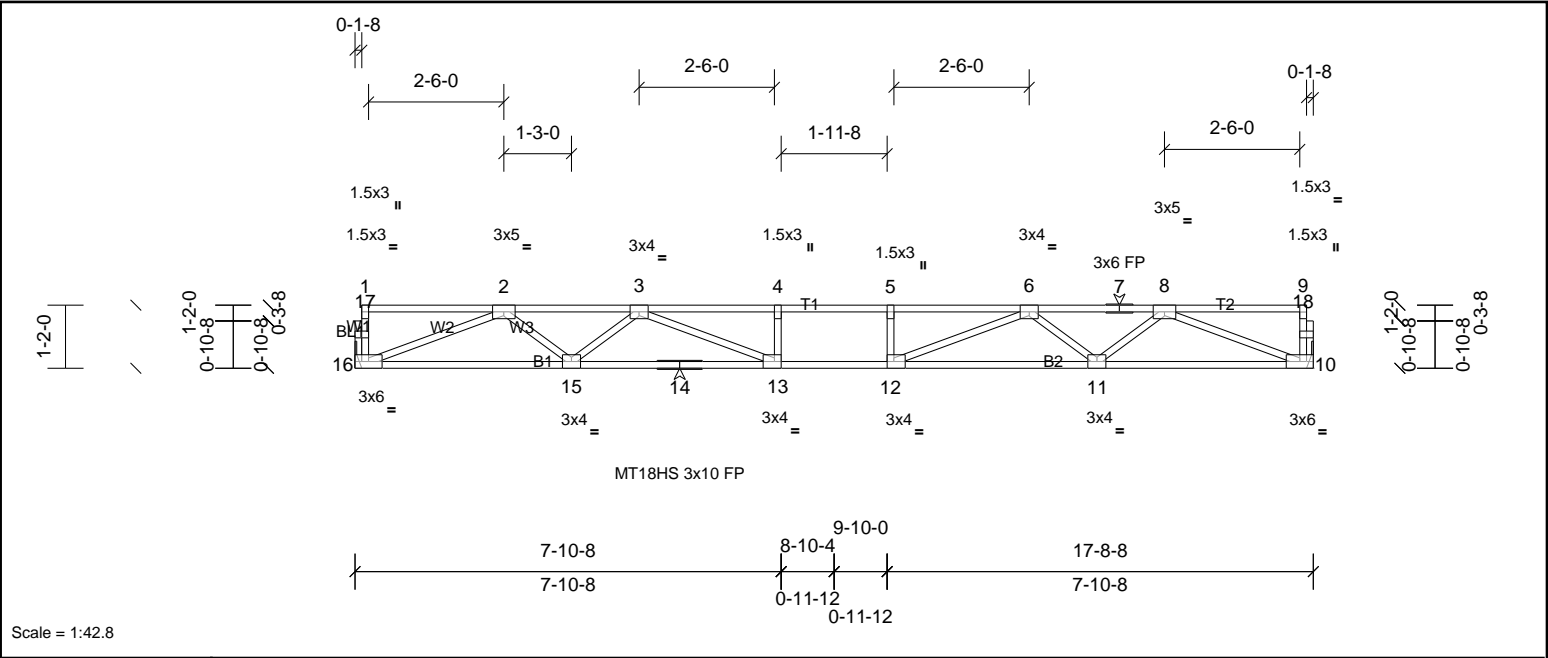


Plate Offsets (X, Y): [12:0-1-8,Edge], [13:0-1-8,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.63	Vert(LL)	-0.28	13-15	>751	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.38	13-15	>556	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.07	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 85 lb	FT = 20%F, 11%E

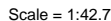
LUMBER	BRACING
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS	(lb/size)	10=763/ Mechanical, (min. 0-1-8), 16=763/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-2207/0, 3-4=-3193/0, 4-5=-3193/0, 5-6=-3193/0, 6-7=-2207/0, 7-8=-2207/0	
BOT CHORD	15-16=0/1678, 14-15=0/2694, 13-14=0/2694, 12-13=0/3193, 11-12=0/2694, 10-11=0/1678	
WEBS	2-16=-1799/0, 2-15=0/689, 3-15=-634/0, 3-13=0/763, 8-10=-1799/0, 8-11=0/689, 6-11=-634/0, 6-12=0/763	

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are MT20 plates unless otherwise indicated.
 - 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.
 - 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.



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 27 22:12:03 Page: 1
ID:JukKJFOxYlpuKJrjydmFE-Sww67EaNCrUT4roikCXXkFhaFeYdKBqNryyA1Qzr1dw



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	0.61	Vert(LL)	-0.22	14-15	>871	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.31	14-15	>624	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.05	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 80 lb	FT = 20%F, 11%E

REACTIONS	(lb/size) 10=703/0-3-3, (min. 0-1-8), 16=703/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1995/0, 3-4=-2710/0, 4-5=-2710/0, 5-6=-2710/0, 6-7=-2710/0, 7-8=-1972/0
BOT CHORD	15-16=0/1531, 14-15=0/2407, 13-14=0/2710, 12-13=0/2392, 11-12=0/2392, 10-11=0/1530
WEBS	2-16=1642/0, 2-15=0/604, 3-15=-537/0, 3-14=0/555, 8-10=-1641/0, 8-11=0/576, 7-11=-546/0, 7-13=0/578

- 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.



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



Job	Truss	Truss Type	Qty	Ply	PB NW HMS/THE APEX TRADITIONAL RH 2ND
72502135	F206	Truss	6	1	Job Reference (optional)

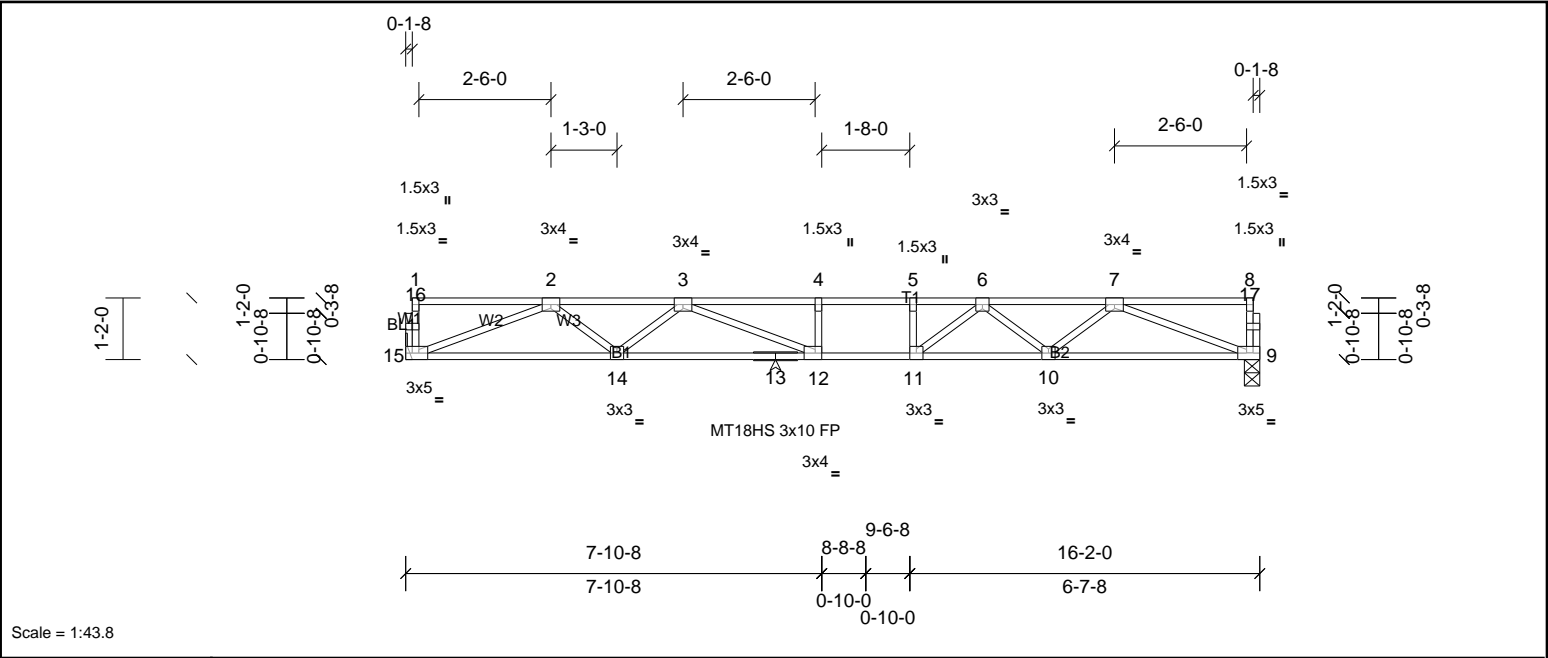


Plate Offsets (X, Y):	[9'-0"-2'-0",Edge], [12'-0"-1'-8",Edge], [15'-0"-2'-0",Edge]
-----------------------	--

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.64	Vert(LL)	-0.22	12-14	>873	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.31	12-14	>626	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.05	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 79 lb	FT = 20%F, 11%E

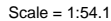
LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6'-0" oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10'-0" oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	9=695/0-3-8, (min. 0-1-8), 15=695/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1964/0, 3-4=-2642/0, 4-5=-2642/0, 5-6=-2642/0, 6-7=-1939/0	
BOT CHORD	14-15=0/1510, 13-14=0/2366, 12-13=0/2366, 11-12=0/2642, 10-11=0/2351, 9-10=0/1508	
WEBS	2-15=-1619/0, 2-14=0/591, 3-14=-523/0, 3-12=0/528, 7-9=-1618/0, 7-10=0/561, 6-10=-537/0, 6-11=0/559	

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



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 27 22:12:03 Page: 1
ID:jUKKJFOXy7RGYAYlpuKJrrymFE-Swv67EaNCrUT4roikCXXFhaFuYhAbsoRyyfA1Qzr1dw



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	0.59	Vert(LL)	-0.14	19-20	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.63	Vert(CT)	-0.22	19-20	>673	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.02	16	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 98 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		
REACTIONS	(lb/size)	13=1053/0-3-8, (min. 0-1-8), 16=908/0-3-8, (min. 0-1-8), 20=490/0-3-8, (min. 0-1-8)	
	Max Grav	13=1110 (LC 4), 16=909 (LC 3), 20=498 (LC 14)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-1366/0, 3-4=-1366/0, 4-5=-1366/0, 5-6=0/677, 6-7=0/677, 7-8=0/677, 8-9=-156/350, 9-10=0/364, 10-11=0/362		
BOT CHORD	19-20=0/1008, 18-19=0/1366, 17-18=0/720, 16-17=0/720, 15-16=-350/156, 14-15=-350/156, 13-14=-350/156		
WEBS	10-13=-258/0, 2-20=-1080/0, 2-19=0/388, 5-16=-1273/0, 5-18=0/753, 9-13=-515/0, 8-16=-589/0, 11-13=-828/0		

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 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) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
- 5) 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.
- 6) CAUTION, Do not erect truss backwards.

Standard

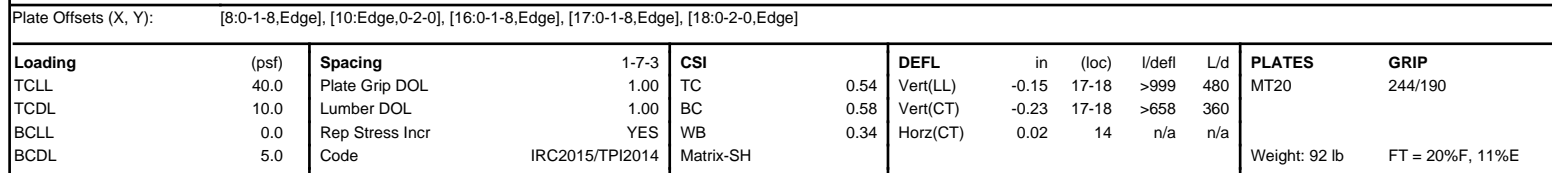
- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 12-20=-8, 1-11=-80
Concentrated Loads (lb)
Vert: 11=-768



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



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 27 22:12:04 Page: 1
ID:Jv3BhEmefC3hhjpA8mA6CyymFH-w6TVKab?zlcKh?Mulv2Zou6RUx1FwJKbAcPkTztrdv

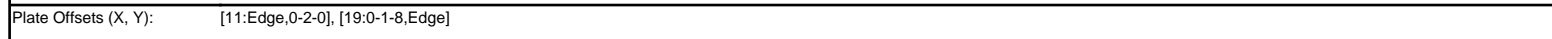


NOTES	
1)	Unbalanced floor live loads have been considered for this design.
2)	This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3)	Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened 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)	Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
5)	CAUTION, Do not erect truss backwards.

A circular red professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "ENGINEER" at the bottom. The inner ring contains the text "PROFESSIONAL". In the center, the word "SEAL" is printed above the number "025046". A blue ink signature, "John M. Presley", is written across the seal. Below the seal number, the date "1/28/25" is handwritten in blue ink.

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP[®] plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SRCA and Truss Plate Institute.

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 27 22:12:04 Page: 1
ID:Jv3BhEMefC3hhjpA8mAc6CyyMH-w6TVKab?zlcKh?Mulv2Zou6P?x_ywEtbAcPkTztr1dv



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

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-3138/0, 3-4=-3138/0, 4-5=-3138/0, 5-6=-3598/0, 6-7=-3200/0, 7-8=-3200/0, 8-9=-2334/0, 9-10=-932/0, 10-11=-936/0
BOT CHORD	19-20=0/1788, 18-19=0/3138, 17-18=0/3573, 16-17=0/3511, 15-16=0/2889, 14-15=0/2889, 13-14=0/1748
WEBS	3-19=-399/0, 4-18=-48/253, 2-20=-1917/0, 2-19=0/1458, 11-13=0/1163, 9-13=-1062/0, 9-14=0/762, 8-14=-723/0, 8-16=0/404, 6-16=-405/0, 5-18=-698/60

- 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.
 - 5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
 - 6) CAUTION. Do not erect truss backwards.



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



Job	Truss	Truss Type	Qty	Ply	PB NW HMS/THE APEX TRADITIONAL RH 2ND
72502135	F209	Truss	2	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 27 22:12:04

Page: 1

ID:n6dZuZMHQWBYItOMhUhreQyymFG-w6TVKab?zlcKh?Mulv2Zou6UTx7AwLNbAcPkZtr1dv

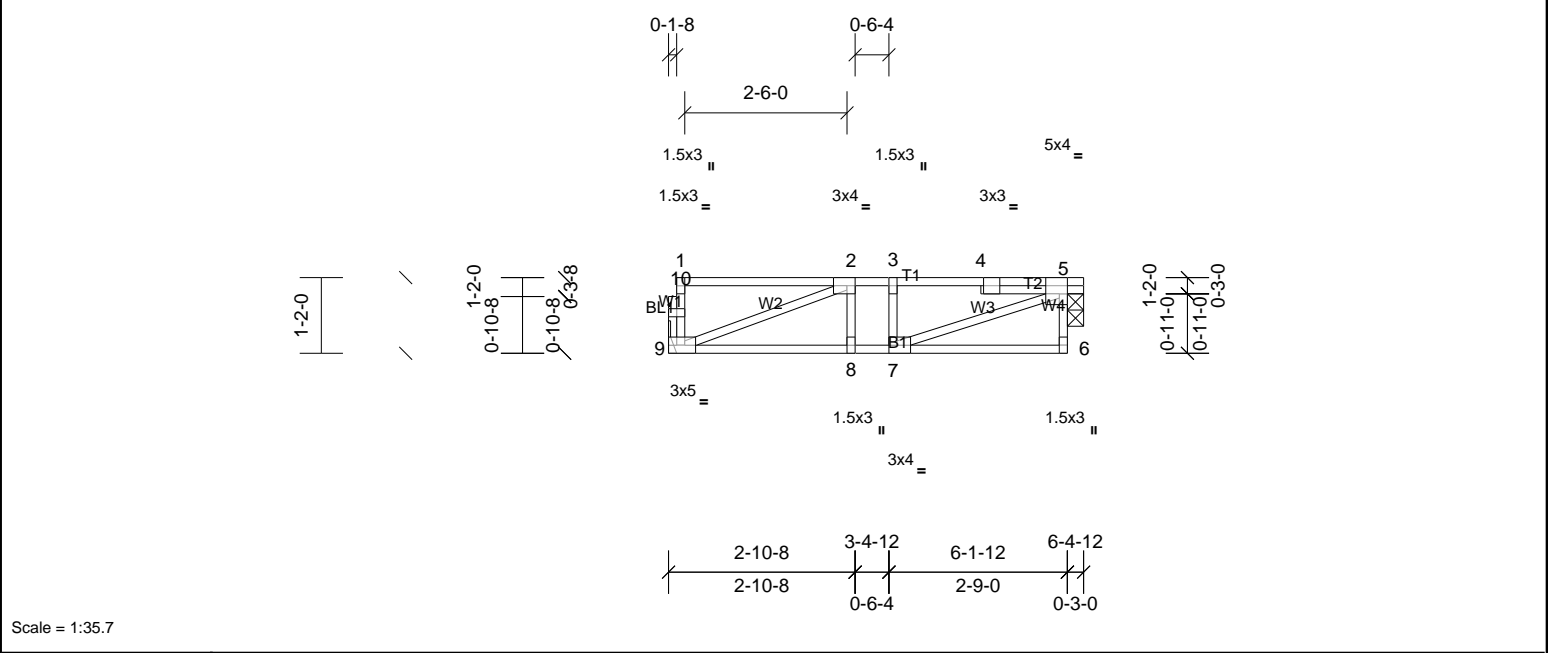


Plate Offsets (X, Y): [2:0-1-8,Edge], [5:Edge,0-2-0], [7:0-1-8,Edge], [9:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.02	8-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.20	Vert(CT)	-0.03	8-9	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 35 lb	FT = 20%F, 11%E

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

REACTIONS	(lb/size)	5=262/0-3-0, (min. 0-1-8), 9=257/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-412/0, 3-4=-412/0, 4-5=-416/0	
BOT CHORD	8-9=0/412, 7-8=0/412	
WEBS	2-9=-437/0, 5-7=0/440	

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - 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.
 - 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.
 - Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
 - CAUTION, Do not erect truss backwards.



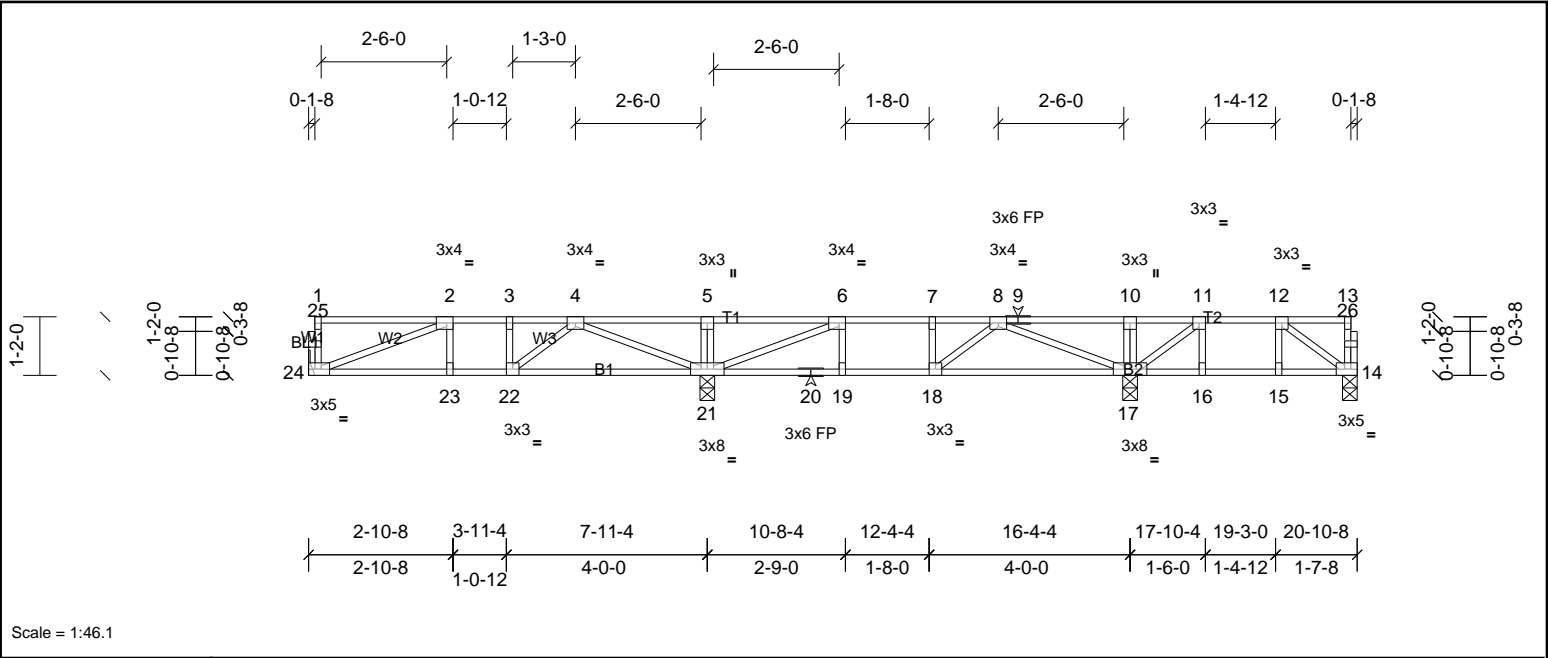
Job 72502135	Truss F210	Truss Type Truss	Qty 2	Ply 1	PB NW HMS/THE APEX TRADITIONAL RH 2ND Job Reference (optional)
-----------------	---------------	---------------------	----------	----------	---

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 27 22:12:04

Page: 1

ID:FIAY5vNvBpJPw1zYFBC4BdyymFF-w6TVKab?zlcKh?Mulv2Zou6UIx7OwLWbAcPkZtr1dv



Scale = 1:46.1

Plate Offsets (X, Y): [2:0-1-8,Edge], [6:0-1-8,Edge], [14:0-2-0,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	0.36	Vert(LL)	-0.04	17-18	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.25	Vert(CT)	-0.06	17-18	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.01	17	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 105 lb	FT = 20%F, 11%E

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

REACTIONS	All bearings 0-3-8, except 24= Mechanical
(lb) - Max Uplift	All uplift 100 (lb) or less at joint(s) 14
Max Grav	All reactions 250 (lb) or less at joint(s) 14 except 17=631 (LC 14), 21=746 (LC 16), 24=328 (LC 14)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-599/0, 3-4=-599/0, 4-5=0/256, 5-6=0/256, 6-7=-558/0, 7-8=-558/0
BOT CHORD	23-24=0/599, 22-23=0/599, 21-22=0/551, 20-21=0/558, 19-20=0/558, 18-19=0/558, 17-18=0/476
WEBS	4-21=-690/0, 2-24=-637/0, 8-17=-692/0, 6-21=-716/0, 11-17=-356/0

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14.
 - 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.
 - 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.
 - CAUTION, Do not erect truss backwards.



Job	Truss	Truss Type	Qty	Ply	PB NW HMS/THE APEX TRADITIONAL RH 2ND
72502135	F211	Truss	1	1	Job Reference (optional)

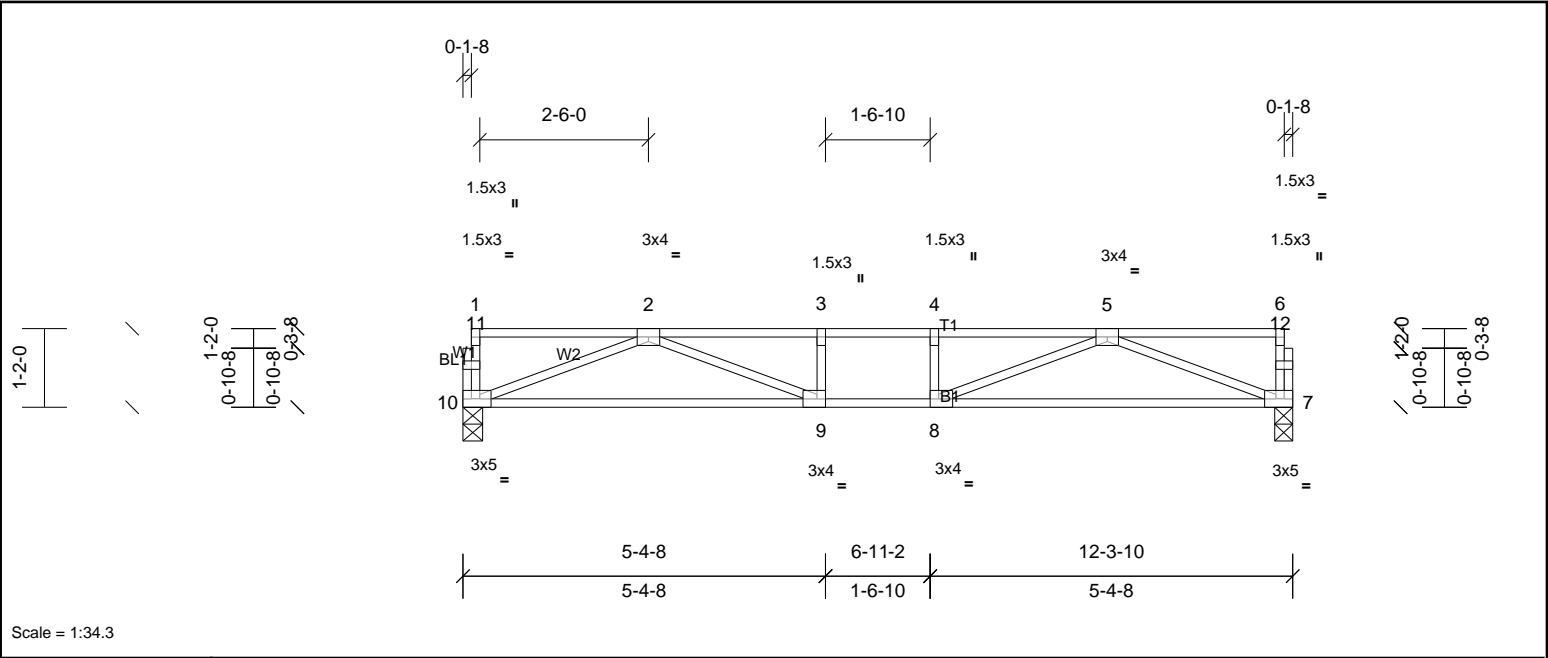


Plate Offsets (X, Y): [7:0-2-0,Edge], [8:0-1-8,Edge], [9:0-1-8,Edge], [10:0-2-0,Edge]

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	0.36	Vert(LL)	-0.12	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.18	9-10	>799	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 60 lb	FT = 20%F, 11%E

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

REACTIONS	(lb/size)	7=525/0-3-3, (min. 0-1-8), 10=525/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1537/0, 3-4=-1537/0, 4-5=-1537/0	
BOT CHORD	9-10=0/1077, 8-9=0/1537, 7-8=0/1077	
WEBS	5-7=-1153/0, 2-10=-1153/0, 5-8=0/571, 2-9=0/571	

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - 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.
 - 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 72502135	Truss F212	Truss Type Truss	Qty 9	Ply 1	PB NW HMS/THE APEX TRADITIONAL RH 2ND Job Reference (optional)
-----------------	---------------	---------------------	----------	----------	---

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 27 22:12:05

Page: 1

ID:gts4kxPnUkhznUi7wJmnpGyymFC-w6TVKab?zlcKh?Mulv2Zou6P?xyJwF6bAcPkZtr1dv

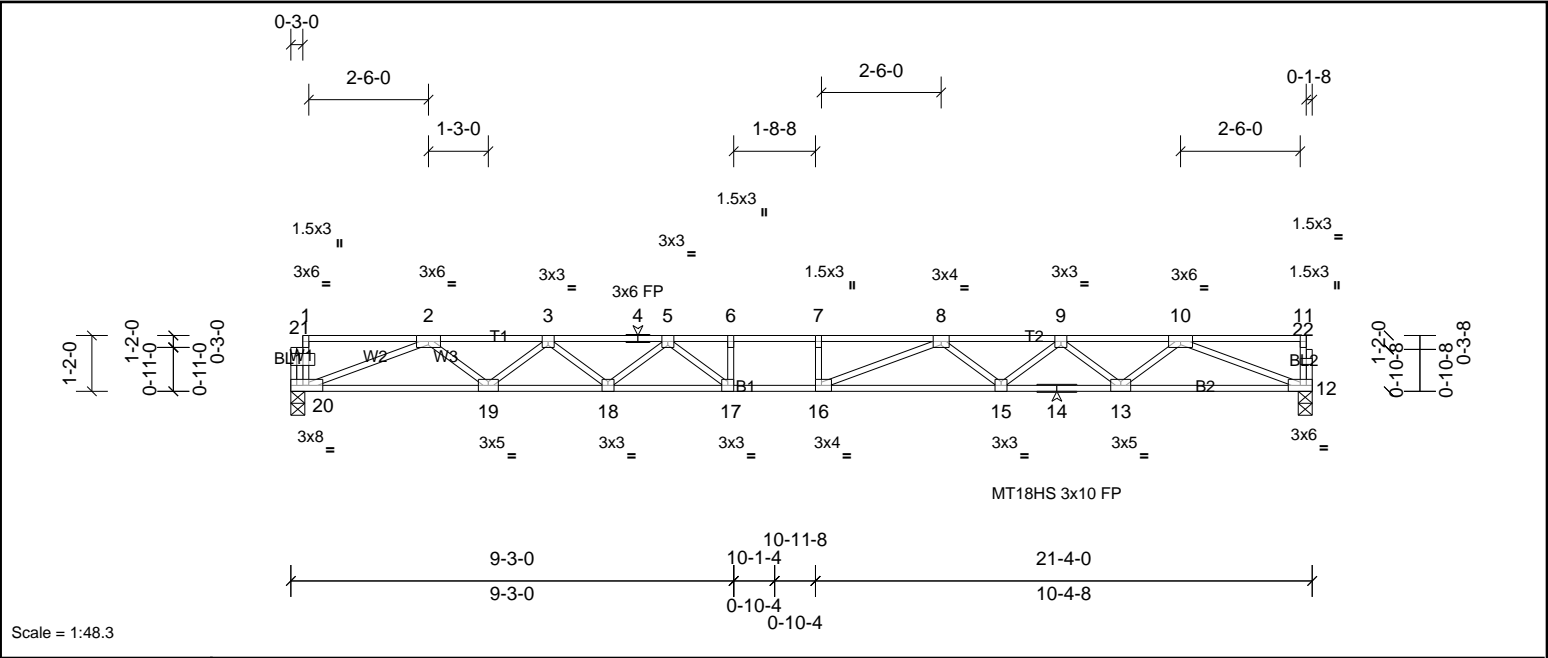


Plate Offsets (X, Y): [16:0-1-8,Edge], [20:0-3-8,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.70	Vert(LL)	-0.49	15-16	>513	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.68	15-16	>370	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.10	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 104 lb	FT = 20%F, 11%E

LUMBER	BRACING
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 5-0-4 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3(flat)	2-2-0 oc bracing: 16-17,15-16.
OTHERS 2x4 SP No.3(flat)	

REACTIONS	(lb/size)	12=919/0-3-8, (min. 0-1-8), 20=914/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-2818/0, 3-4=-3912/0, 4-5=-3912/0, 5-6=-4622/0, 6-7=-4622/0, 7-8=-4622/0, 8-9=-3920/0, 9-10=-2777/0	
BOT CHORD	19-20=0/2108, 18-19=0/3489, 17-18=0/4334, 16-17=0/4622, 15-16=0/4335, 14-15=0/3460, 13-14=0/3460, 12-13=0/2067	
WEBS	6-17=-286/0, 2-20=-2249/0, 2-19=0/924, 3-19=-873/0, 3-18=0/551, 5-18=-550/0, 5-17=-81/676, 10-12=-2218/0, 10-13=0/924, 9-13=-889/0, 9-15=0/598, 8-15=-541/0, 8-16=-128/688	

- 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) Required 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.



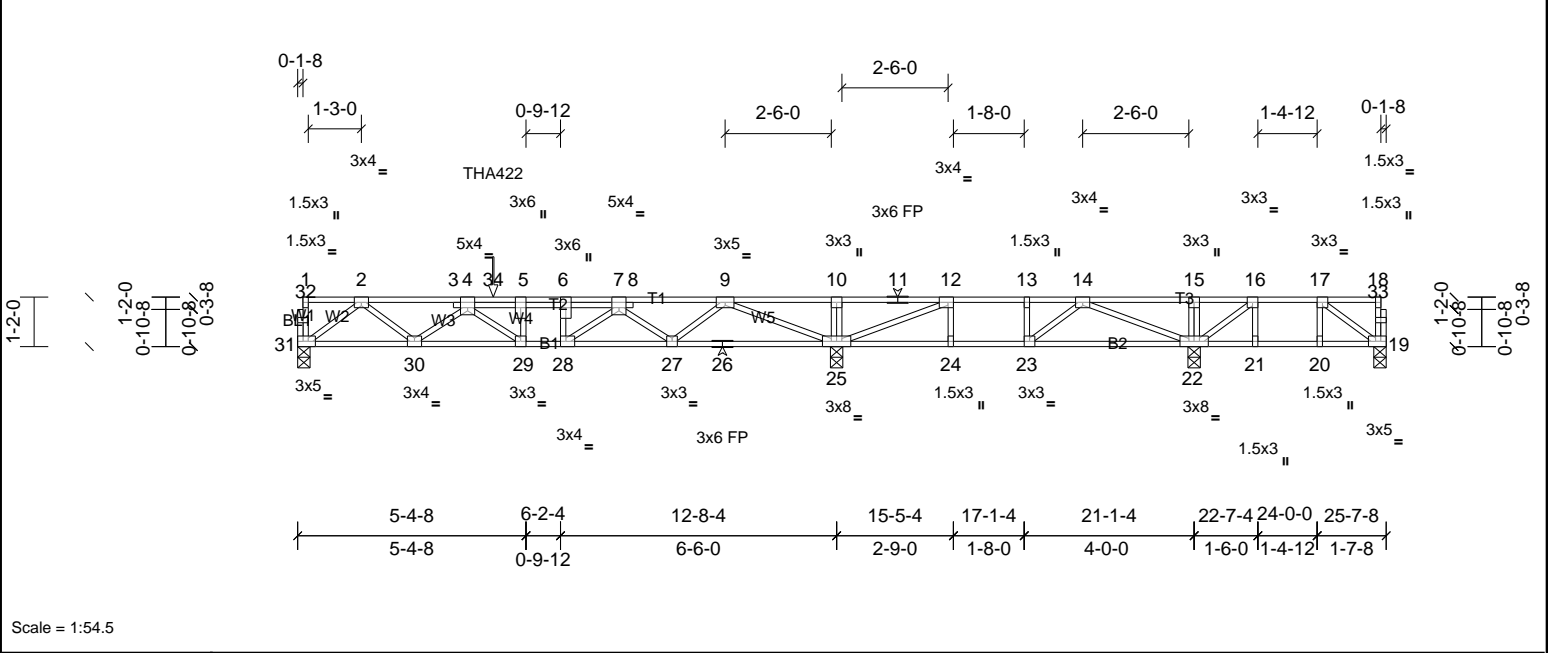
Job	Truss	Truss Type	Qty	Ply	PB NW HMS/THE APEX TRADITIONAL RH 2ND
72502135	F213	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 27 22:12:05

Page: 1

ID:oSFikeObPdvU?xOiAqjnbLyymDx-Ol1tYwbdk2kBJ8x5sdZoK6fa2LKpfkikPG8H5Jzr1du



Scale = 1:54.5

Plate Offsets (X, Y): [4:0-2-0,Edge], [6:0-3-0,Edge], [7:0-2-0,Edge], [12:0-1-8,Edge], [19:0-2-0,Edge], [28:0-1-8,Edge], [31:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.68	Vert(LL)	-0.09	29	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.12	29	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.03	25	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 135 lb	FT = 20%F, 11%E

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

REACTIONS All bearings 0-3-8.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 19
Max Grav All reactions 250 (lb) or less at joint(s) 19 except 22=617 (LC 4), 25=1173 (LC 16), 31=725 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1535/0, 3-4=-1528/0, 4-34=-2344/0, 5-34=-2344/0, 6-7=-2344/0, 7-8=-1431/0, 8-9=-1437/0, 9-10=0/833, 10-11=0/833, 11-12=0/833, 12-13=-444/298, 13-14=-444/298, 14-15=0/367, 15-16=0/362
BOT CHORD 30-31=0/895, 29-30=0/2180, 28-29=0/2344, 27-28=0/1930, 26-27=0/946, 25-26=0/946, 24-25=-298/444, 23-24=-298/444, 22-23=-202/405
WEBS 9-25=-1688/0, 2-31=-1120/0, 9-27=0/676, 4-29=-43/306, 7-27=-671/0, 7-28=0/669, 6-28=-345/0, 14-22=-647/0, 12-25=-915/0, 16-22=-430/0, 2-30=0/834, 4-30=-819/0

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19.
 - 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.
 - 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.
 - CAUTION, Do not erect truss backwards.
 - Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 4-7-4 from the left end to connect truss(es) to back face of top chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
 - Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 19-31=-8, 1-18=-80
Concentrated Loads (lb)
Vert: 34=-294



Job	Truss	Truss Type	Qty	Ply	PB NW HMS/THE APEX TRADITIONAL RH 2ND
72502135	F214	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 27 22:12:05

Page: 1

ID:GrEoEXnEBGba?Fa5FKp2ZoyymEj-Ol1tYwbdk2kBJ8x5sdZoK6fhPLTftfptkPG8H5Jzr1du

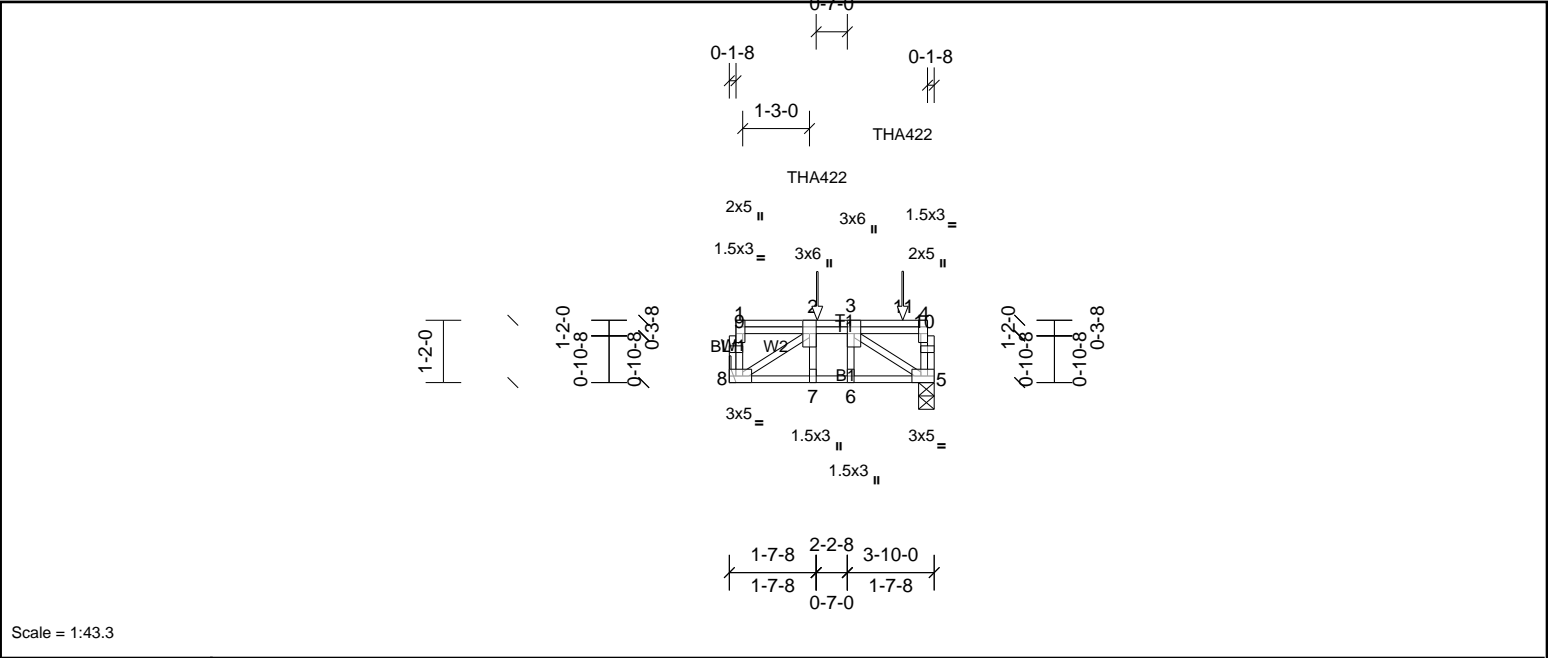


Plate Offsets (X, Y): [4:Edge,0-1-8], [5:0-2-0,Edge], [8:0-2-0,Edge]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.21	Vert(LL)	0.00	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.17	Vert(CT)	-0.01	7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.13	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 28 lb	FT = 20%F, 11%E

LUMBER			BRACING				
TOP CHORD	2x4 SP No.2(flat)		TOP CHORD	Structural wood sheathing directly applied or 3-10-0 oc purlins, except end verticals.			
BOT CHORD	2x4 SP No.2(flat)		BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.			
WEBS	2x4 SP No.3(flat)						
OTHERS	2x4 SP No.3(flat)						
REACTIONS							
	(lb/size)	5=523/0-3-8, (min. 0-1-8), 8=374/ Mechanical, (min. 0-1-8)					
	Max Grav	5=567 (LC 4), 8=374 (LC 1)					

FORCES		(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD		5-10=-268/0, 4-10=-268/0, 2-3=-443/0
BOT CHORD		7-8=0/443, 6-7=0/443, 5-6=0/443
WEBS		3-5=-515/0, 2-8=-534/0

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - 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.
 - 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.
 - Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 1-7-3 oc max. starting at 1-7-12 from the left end to 3-2-15 to connect truss(es) to front face of top chord.
 - Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S)		Standard
1)	Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00	
	Uniform Loads (lb/ft)	
	Vert: 5-8=-10, 1-4=-100	
	Concentrated Loads (lb)	
	Vert: 2=-247, 11=-267	



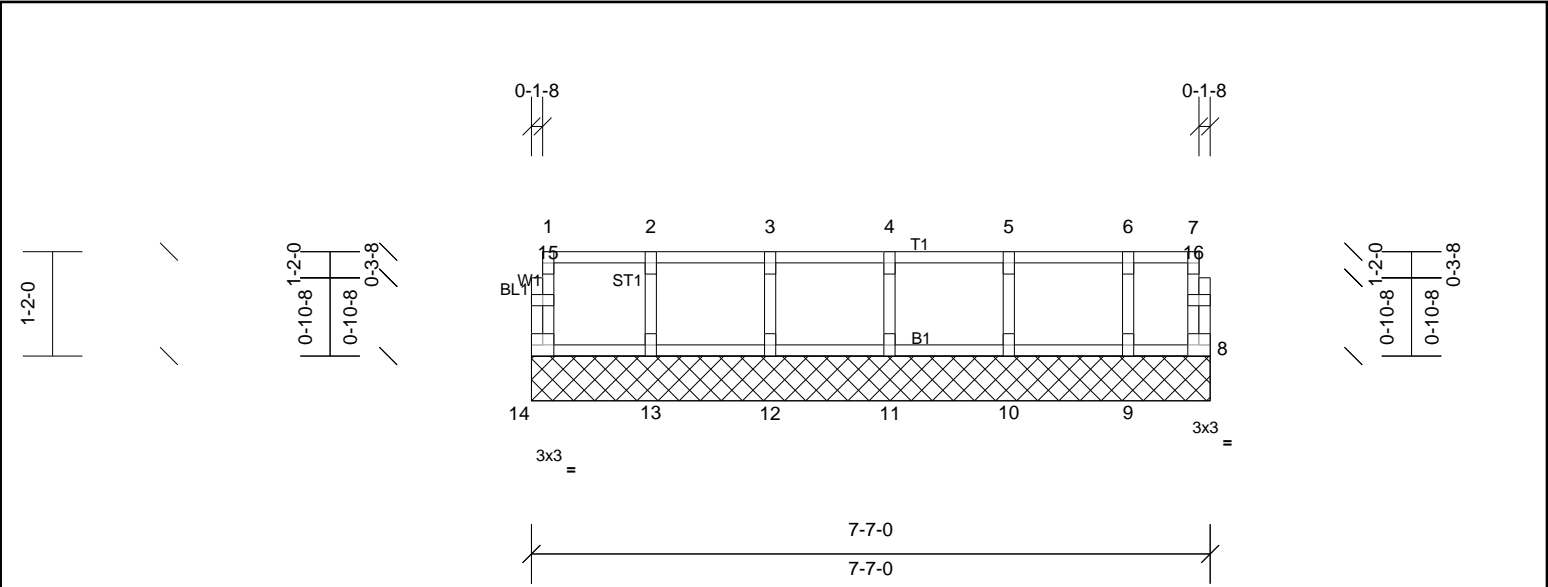
Job	Truss	Truss Type	Qty	Ply	PB NW HMS/THE APEX TRADITIONAL RH 2ND
72502135	L204	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 27 22:12:05

Page: 1

ID:ChliWbP9JRZ79K7xNcFYG2yymFD-OI1tYwbdk2kBj8x5sdZoK6fjRLVEfrRkPG8H5Jzr1du



Scale = 1:25.9

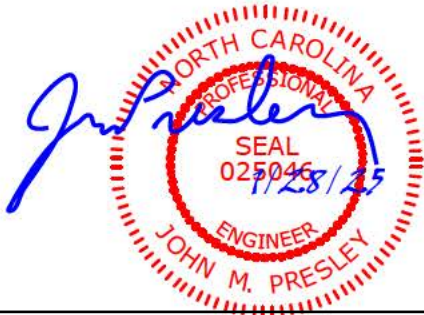
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 34 lb	FT = 20%F, 11%E

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

REACTIONS All bearings 7-7-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 8, 9, 10, 11, 12, 13, 14

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.



Job 72502135	Truss L206	Truss Type Truss	Qty 1	Ply 1	PB NW HMS/THE APEX TRADITIONAL RH 2ND Job Reference (optional)
-----------------	---------------	---------------------	----------	----------	---

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 27 22:12:06

Page: 1

ID:ChliWbP9jRZ79K7xNcFYG2yymFD-tUbFIGcFVMS2xIWHQK41tJBuBlrTOHhewurdIzr1dt

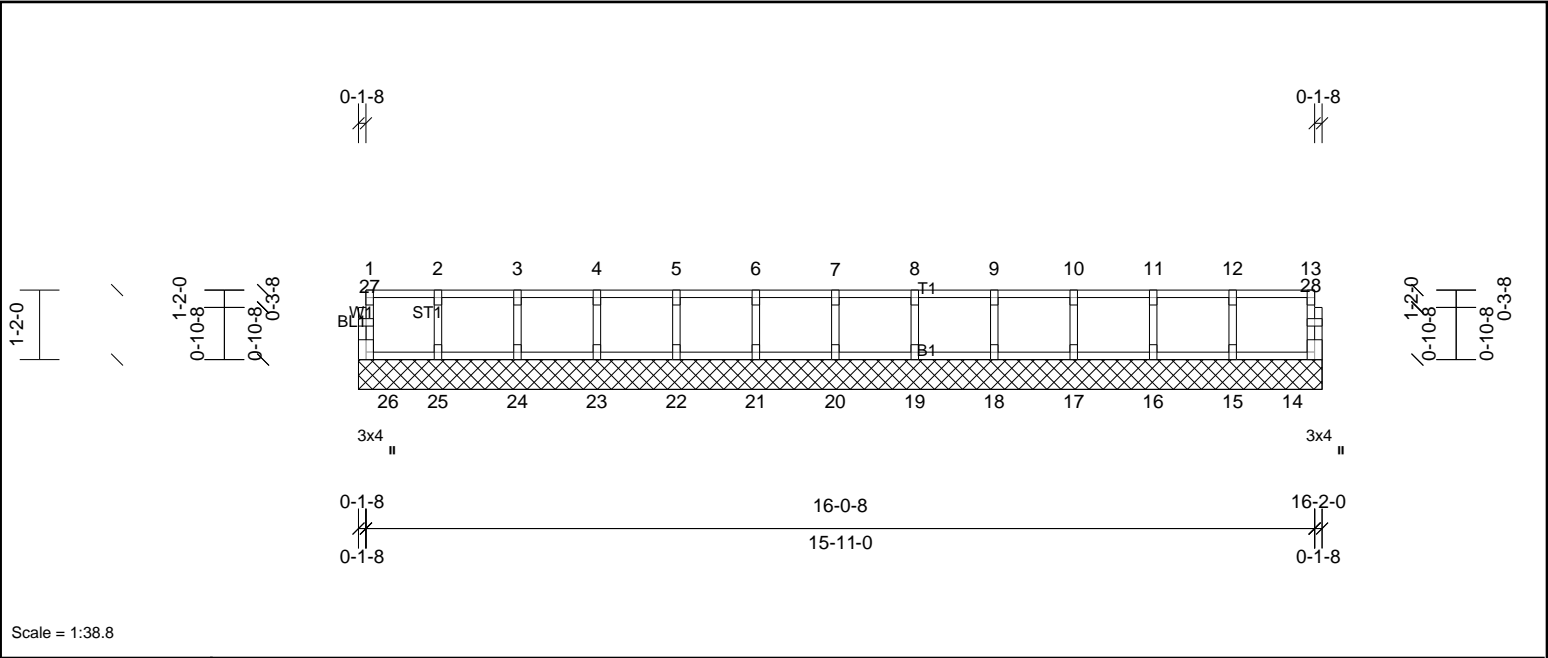


Plate Offsets (X, Y): [14:0-2-8,Edge], [26:0-2-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/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	0.02	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: 68 lb	FT = 20%F, 11%E

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

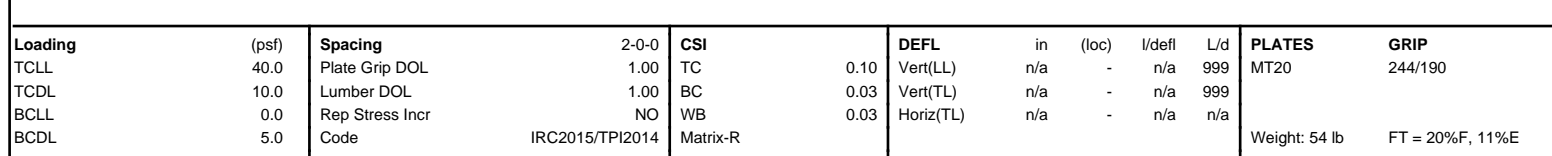
REACTIONS All bearings 16-2-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26

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) Bearing at joint(s) 26, 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 7) 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.



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Mon Jan 27 22:12:06 Page: 1
ID:ChliWbP9lRZ79K7xNcFYG2yymFD-tUbFIgcFVMs2xIWHQK41tJBuSlrJOHhuewodrld3t



REACTIONS	All bearings 12-4-0.
(lb) - Max Grav	All reactions 250 (lb) or less at joint(s) 12, 13, 14, 15, 16, 17, 18, 19, 20, 21
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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