

	Floor Hanger List										
MARK	TYPE	QTY									
S	LUS48	57									
(C)	HHUS410	2									
V	HU414	2									

		Products			
PlotID	Length	Product	Plies	Net Qty	Fab Type
BM1	18' 0"	1 3/4" x 14" 2.0E Microllam® LVL	3	3	MFD
BM3	10' 0"	1 3/4" x 14" 2.0E Microllam® LVL	2	6	MFD
BM4	8' 0"	1 3/4" x 14" 2.0E Microllam® LVL	2	2	MFD
BM5	6' 0"	1 3/4" x 14" 2.0E Microllam® LVL	2	2	MFD
BM6	20' 0"	1 3/4" x 20" 2.0E Microllam® LVL	4	4	MFD

ROOF AREA:	1760.45 ft² sqft	RIDGE LINE:	52.17 ft	VALLEY LINES:	24.7 ft	HIP LINES:	0 ft	THESE VALUES ARE APPROXIMATE ONLY
S P S	REVISIONS	RUNSWICK		This dra	awing is property of UFP Site	Built, LLC.	STRAXIUFP S	TF BUILT

 $\triangleright$ 

**INDICATES LEFT END OF TRUSS** 

2ND FLR OW PLACEMENT PLAN

FRENCH COUNTRY
2ND FLR OW
433 BEACON HILL ROAD

**LILLINGTON, NC 27546** 

PBS- NEW HOME

27 DUNCANS CREEK

prior to any a
UFP will no
unauthorized i

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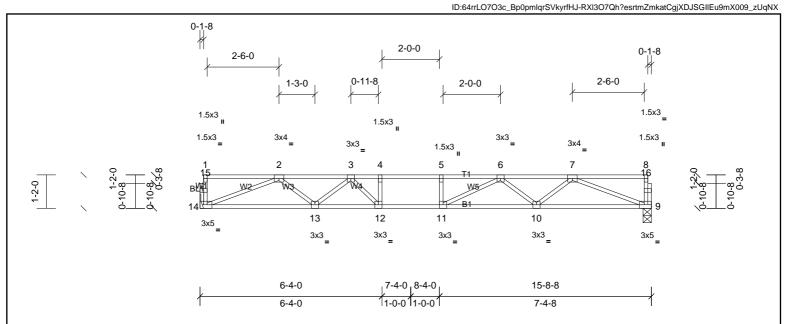
BURINGTON, NC LOCUST, NC Chesapeake, VA Liberty, NC

Ooltewah, TN

Conway, SC Pearisburg, VA
Jefferson, GA Stanfield, NC
Customer Service (800) 476-9356

Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH CTRY 2FLR OW	
72508816	F200	Truss	2	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. N	IC 62, Burlington, NC, Gina Tolley	Run: 8.81 S Sep	13 2024 Pri	nt: 8.810 S S	Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:30 Pa	ige: 1

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:30



Scale = 1:40.3

Plate Offsets (X, Y): [9:0-2-0,Edge], [14:0-2-0,Edge]												
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.64	Vert(LL)	-0.20	10-11	>917	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.28	10-11	>671	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.05	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 76 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 2x4 SP No.2(flat) **BOT CHORD** 

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 9=675/0-3-8, (min. 0-1-8), 14=675/ Mechanical, (min. 0-1-8) **FORCES** (lb) - Max, Comp./Max, Ten. - All forces 250 (lb) or less except when shown. TOP CHORD  $2\hbox{-}3\hbox{--}1866/0,\,3\hbox{-}4\hbox{--}2481/0,\,4\hbox{-}5\hbox{--}2481/0,\,5\hbox{-}6\hbox{--}2481/0,\,6\hbox{-}7\hbox{--}1883/0}$ **BOT CHORD** 13-14=0/1459, 12-13=0/2253, 11-12=0/2481, 10-11=0/2255, 9-10=0/1461

WEBS 7-9-1566/0, 2-14=-1564/0, 7-10=0/549, 2-13=0/530, 6-10=-485/0, 3-13=-505/0, 6-11=-3/484, 3-12=0/530, 4-12=-283/0, 3-13=-505/0, 6-11=-3/484, 3-12=0/530, 4-12=-283/0, 3-13=-505/0, 3-15-50/0, 3-15-50/0, 3-15-50/0, 3-15-50/0, 3-15-50/0, 3-15-50/0, 3-15-50/0, 3-15-50/

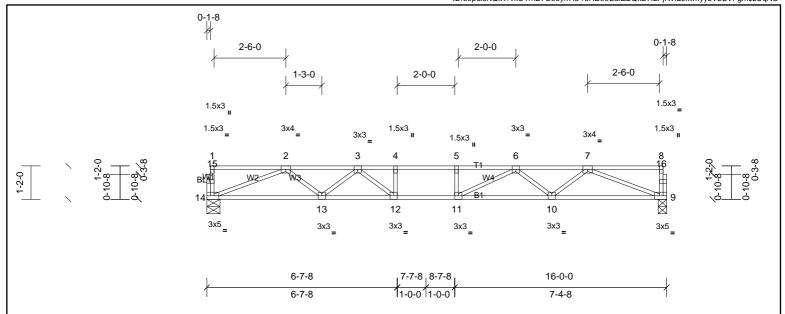
- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each 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	Prof - BRUNSWICK FRENCH CTRY 2FLR OW
72508816	F201	Truss	4	1	Job Reference (optional)

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:31 Page: 1
ID:e9puisKQIX?vkU1rhB7C96yrfH3-r6RB09SalZEQkDHLPjRvlL9kwflyybVbSVFgmJzUqNU



Scale = 1:40.3

Plate Offsets (X, Y): [9:0-2-0,Edge], [14:0-2-0,Edge]												
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.61	Vert(LL)	-0.21	10-11	>909	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.28	10-11	>668	360		
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: 78 lb	FT = 20%F, 11%E

LUMBER BRACING

 TOP CHORD
 2x4 SP No.2(flat)
 TOP CHORD

 BOT CHORD
 2x4 SP No.2(flat)
 TOP CHORD

WEBS 2x4 SP No.3(flat)

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

OTHERS 2x4 SP No.3(flat)

**REACTIONS** (lb/size) 9=688/0-3-8, (min. 0-1-8), 14=688/0-5-8, (min. 0-1-8)

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

 TOP CHORD
 2-3=-1915/0, 3-4=-2580/0, 4-5=-2580/0, 5-6=-2580/0, 6-7=-1929/0

 BOT CHORD
 13-14=0/1491, 12-13=0/2313, 11-12=0/2580, 10-11=0/2318, 9-10=0/1493

WEBS 7-9=-1600/0, 2-14=-1599/0, 7-10=0/568, 2-13=0/551, 6-10=-506/0, 3-13=-518/0, 6-11=0/522, 3-12=0/546

### NOTES

- 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/
- 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.

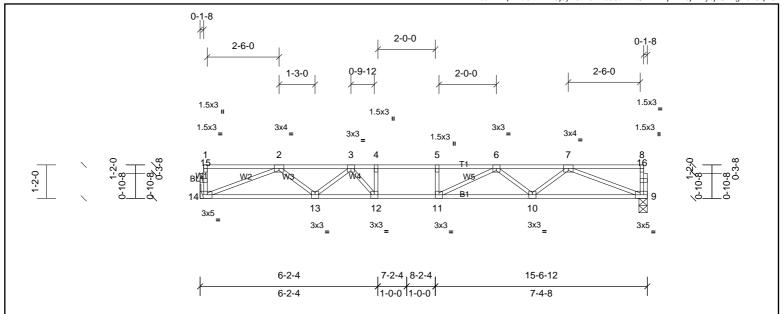


Structural wood sheathing directly applied or 6-0-0 oc purlins, except end



Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH CTRY 2FLR OW
72508816	F202	Truss	11	1	Job Reference (optional)

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:31 Page: 1
ID:ErfBeeVD?qlwPd6XW7NUj3yrfGr-r6RB09SalZEQkDHLPjRvlL9jPflxybjbSVFgmJzUqNU



Scale = 1:40.3

Plate Offsets (X, Y):	[9:0-2-0,Edg	[9:0-2-0,Edge], [14:0-2-0,Edge]											
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.65	Vert(LL)	-0.20	10-11	>921	480	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.27	10-11	>674	360			
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.05	9	n/a	n/a			
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 76 lb	FT = 20%F, 11%E	

LUMBER BRACING

TOP CHORD 2x4 SP No.2(flat)

BOT CHORD 2x4 SP No.2(flat)

WEBS 2x4 SP No.3(flat)

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

Rigid ceiling directly applied or 10-0-0 oc bracing.

OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 9=668/0-3-8, (min. 0-1-8), 14=668/ Mechanical, (min. 0-1-8)

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

TOP CHORD 2-3=-1842/0, 3-4=-2432/0, 4-5=-2432/0, 6-7=-1860/0
BOT CHORD 13-14=0/1442, 12-13=0/2225, 11-12=0/2432, 10-11=0/2224, 9-10=0/1445

WEBS 7-9=-1549/0, 2-14=-1546/0, 7-10=0/540, 2-13=0/520, 6-10=-474/0, 3-13=-499/0, 6-11=-12/466, 3-12=0/531, 4-12=-308/0

- 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/
- 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	Prof - BRUNSWICK FRENCH CTRY 2FLR OW
72508816	F203	Truss	7	1	Job Reference (optional)

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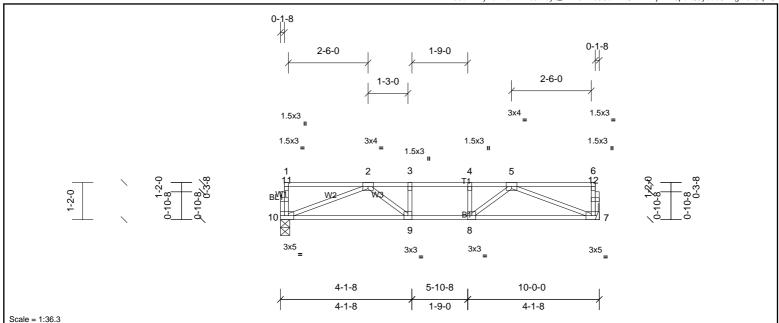


Plate Offsets (X, Y):	[7:0-2-0,Edge], [10:0-2-0,Edge]

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	0.30	Vert(LL)	-0.05	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.33	Vert(CT)	-0.07	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 50 lb	FT = 20%F, 11%E

 LUMBER
 BRACING

 TOP CHORD
 2x4 SP No.2(flat)
 TOP CHO

 TOP CHORD
 2x4 SP No.2(flat)
 TOP CHORD

 BOT CHORD
 2x4 SP No.2(flat)
 BOT CHORD

WEBS 2x4 SP No.3(flat) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3(flat)

 REACTIONS
 (lb/size)
 7=424/ Mechanical, (min. 0-1-8), 10=424/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-983/0, 3-4=-983/0, 4-5=-983/0 BOT CHORD 9-10=0/820, 8-9=0/983, 7-8=0/820

WEBS 5-7=-877/0, 2-10=-877/0, 5-8=0/323, 2-9=0/323

### NOTES

- 1) 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.
- 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.

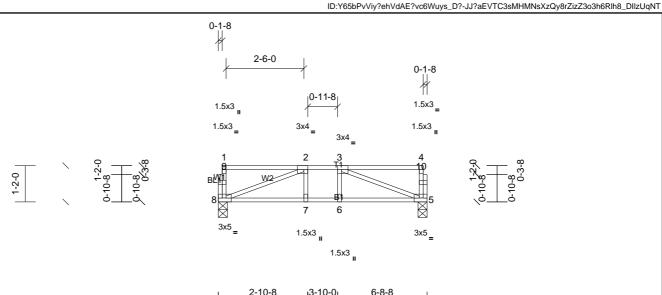


Structural wood sheathing directly applied or 6-0-0 oc purlins, except end



Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH CTRY 2FLR OW
72508816	F204	Truss	5	1	Job Reference (optional)

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2-10-8

Scale = 1:37.2

Plate Offsets (X, Y):	e Urisets (X, Y): [2:0-1-8,Eage], [3:0-1-8,Eage], [8:0-2-0,Eage]													
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)	-0.03	7-8	>999	480	MT20	244/190		
TCDL	10.0	Lumber DOL	1.00	BC	0.23	Vert(CT)	-0.03	7-8	>999	360				
BCLL	0.0	Rep Stress Incr	YES	WB	0.14	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		

2-10-8

LUMBER **BRACING** 

TOP CHORD 2x4 SP No.2(flat) TOP CHORD

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

2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 5=279/0-3-8, (min. 0-1-8), 8=279/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-470/0

**BOT CHORD** 7-8=0/470, 6-7=0/470, 5-6=0/470 WEBS

3-5=-499/0, 2-8=-499/0

### NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 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.



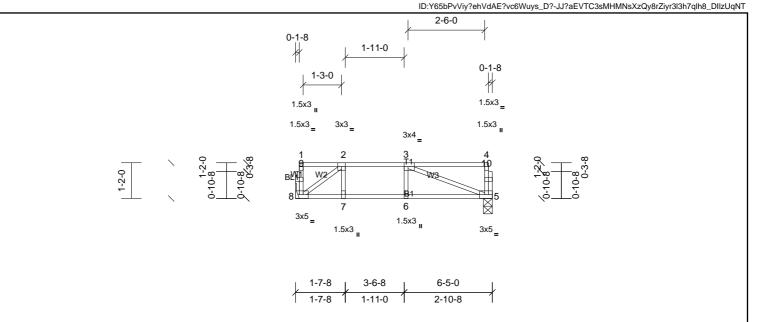


Page: 1

Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH CTRY 2FLR OW
72508816	F205	Truss	3	1	Job Reference (optional)

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:32

Rigid ceiling directly applied or 10-0-0 oc bracing.



Scale = 1:37.7

Plate Offsets (X, Y):	ate Offsets (X, Y): [3:0-1-8,Edge], [5:0-2-0,Edge], [8:0-2-0,Edge]													
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP		
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.05	5-6	>999	480	MT20	244/190		
TCDL	10.0	Lumber DOL	1.00	BC	0.42	Vert(CT)	-0.07	5-6	>999	360				
BCLL	0.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	5	n/a	n/a				
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 33 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 2x4 SP No.2(flat) **BOT CHORD** 

BOT CHORD

2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 5=266/0-3-8, (min. 0-1-8), 8=266/ Mechanical, (min. 0-1-8)

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

TOP CHORD 2-3=-383/0

**BOT CHORD** 7-8=0/383, 6-7=0/383, 5-6=0/383

WEBS 3-5=-404/0, 2-8=-472/0

### NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 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.





Page: 1

Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH CTRY 2FLR OW
72508816	F206	Truss	3	1	Job Reference (optional)

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:32

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Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

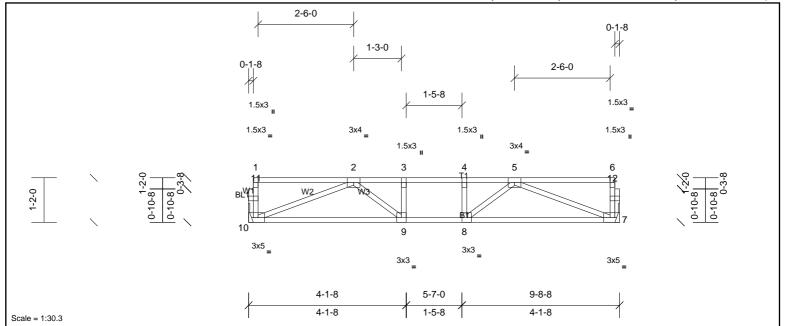


Plate Offsets (X, Y):	[7:0-2-0,Edg	e], [10:0-2-0,Edge]										
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.30	Vert(LL)	-0.04	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.30	Vert(CT)	-0.06	9-10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 49 lb	FT = 20%F, 11%E

LUMBER **BRACING** 

TOP CHORD 2x4 SP No.2(flat) TOP CHORD BOT CHORD 2x4 SP No.2(flat)

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 7=411/ Mechanical, (min. 0-1-8), 10=411/ Mechanical, (min. 0-1-8) **FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-929/0, 3-4=-929/0, 4-5=-929/0 **BOT CHORD** 9-10=0/789, 8-9=0/929, 7-8=0/789

WEBS 5-7=-843/0, 2-10=-843/0, 5-8=0/290, 2-9=0/290

### NOTES

- Unbalanced floor live loads have been considered for this design. 1)
- 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/
- to walls at their outer ends or restrained by other means.

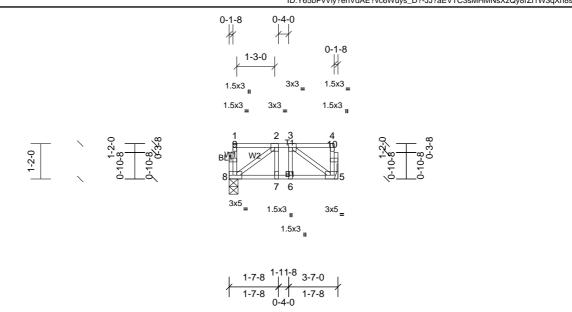
3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached





Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH CTRY 2FLR OW
72508816	F207	Truss	1	1	Job Reference (optional)

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:32 Page: 1
ID:Y65bPvViy?ehVdAE?vc6Wuys\_D?-JJ?aEVTC3sMHMNsXzQy8rZi1W3qXh8slh8\_DllzUqNT



Scale = 1:38.1

Plate Offsets (X, Y):	late Offsets (X, Y): [5:0-2-0, 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	0.11	Vert(LL)	0.00	7-8	>999	480	MT20	244/190		
TCDL	10.0	Lumber DOL	1.00	BC	0.07	Vert(CT)	0.00	5-6	>999	360				
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	5	n/a	n/a				
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 23 lb	FT = 20%F, 11%E		

LUMBER BRACING

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 3-7-0 oc purlins, except end verticals.

WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

 REACTIONS
 (lb/size)
 5=177/ Mechanical, (min. 0-1-8), 8=177/0-3-8, (min. 0-1-8)

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

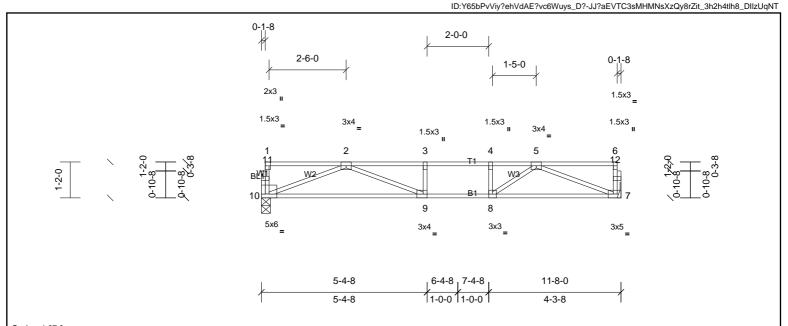
- Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each 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	Prof - BRUNSWICK FRENCH CTRY 2FLR OW	
72508816	F208	Truss	5	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. N	IC 62, Burlington, NC, Gina Tolley	Run: 8.81 S Sep	13 2024 Pri	nt: 8.810 S S	Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:32	Page: 1

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:32



Scale = 1:37.6

Plate Offsets (X, Y):	ate Offsets (X, Y): [7:0-2-0,Edge], [9:0-1-8,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	0.72	Vert(LL)	-0.15	9-10	>892	480	MT20	244/190		
TCDL	10.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.24	9-10	>573	360				
BCLL	0.0	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.02	7	n/a	n/a				
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 56 lb	FT = 20%F, 11%E		

LUMBER **BRACING** 2x4 SP No.2(flat) TOP CHORD

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

WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 7=505/ Mechanical, (min. 0-1-8), 10=1869/0-3-8, (min. 0-1-8) **FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 10-11=-1460/0, 1-11=-1458/0, 2-3=-1389/0, 3-4=-1389/0, 4-5=-1389/0

**BOT CHORD** 9-10=0/1068, 8-9=0/1389, 7-8=0/1027 WEBS

5-7=-1099/0, 2-10=-1055/0, 5-8=0/545, 2-9=0/445

### 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/
- 3) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
- 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.

#### LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 7-10=-8, 1-6=-80

Concentrated Loads (lb)

Vert: 1=-1380



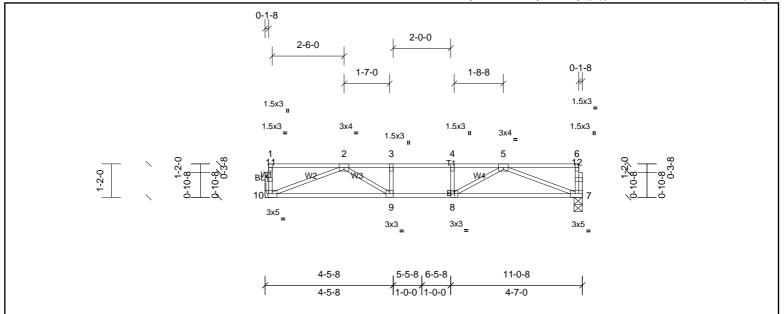
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

Rigid ceiling directly applied or 10-0-0 oc bracing.



Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH CTRY 2FLR OW
72508816	F209	Truss	12	1	Job Reference (optional)

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:33 Page: 1  $ID: Y65bPvViy?ehVdAE?vc6Wuys\_D?-nVYyRqUqqAU8zXRkX8TNNmE81T52QXZuwoknqBzUqNS$ 



Scale = 1:40.3

Plate Offsets (X, Y):	ate Offsets (X, Y): [7:0-2-0,Edge], [10:0-2-0,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	0.38	Vert(LL)	-0.08	7-8	>999	480	MT20	244/190		
TCDL	10.0	Lumber DOL	1.00	BC	0.43	Vert(CT)	-0.12	7-8	>999	360				
BCLL	0.0	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.02	7	n/a	n/a				
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 54 lb	FT = 20%F, 11%E		

LUMBER **BRACING** 

TOP CHORD 2x4 SP No.2(flat) TOP CHORD 2x4 SP No.2(flat) **BOT CHORD** 

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3(flat) WEBS OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 7=470/0-3-8, (min. 0-1-8), 10=470/ Mechanical, (min. 0-1-8) **FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-1206/0, 3-4=-1206/0, 4-5=-1206/0 **BOT CHORD** 9-10=0/933, 8-9=0/1206, 7-8=0/931 WEBS 2-10=-998/0, 2-9=0/431, 5-7=-997/0, 5-8=0/425

### 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/
- 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.



Structural wood sheathing directly applied or 6-0-0 oc purlins, except end



Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH CTRY 2FLR OW
72508816	F210	Truss	5	1	Job Reference (optional)

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:33 Page: 1

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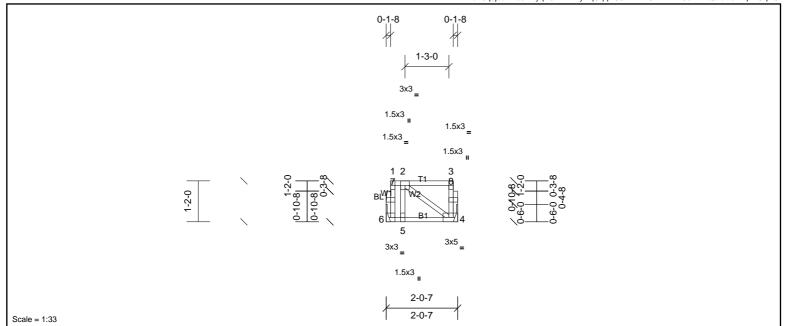


Plate Offsets	(X, Y)	):	[4:0-2-0,Edge]

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	0.13	Vert(LL)	0.00	4-5	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.09	Vert(CT)	-0.01	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 14 lb	FT = 20%F, 11%E

LUMBER BRACING

 TOP CHORD
 2x4 SP No.2(flat)
 TOP CHORD

 BOT CHORD
 2x4 SP No.2(flat)
 TOP CHORD

WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=73/ Mechanical, (min. 0-1-8), 6=73/ Mechanical, (min. 0-1-8)

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

# NOTES

- 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/
- 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.

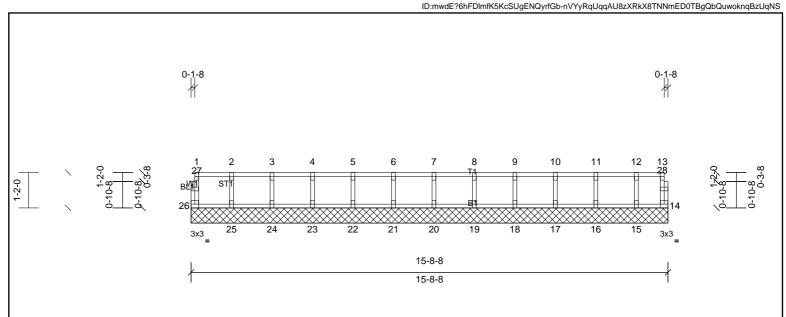


Structural wood sheathing directly applied or 2-0-7 oc purlins, except end





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Scale = 1:38.1

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	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R	ļ						Weight: 66 lb	FT = 20%F, 11%E

**BOT CHORD** 

LUMBER **BRACING** TOP CHORD

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

2x4 SP No.3(flat)

All bearings 15-8-8

(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

OTHERS

REACTIONS

- 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/
- 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.



Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

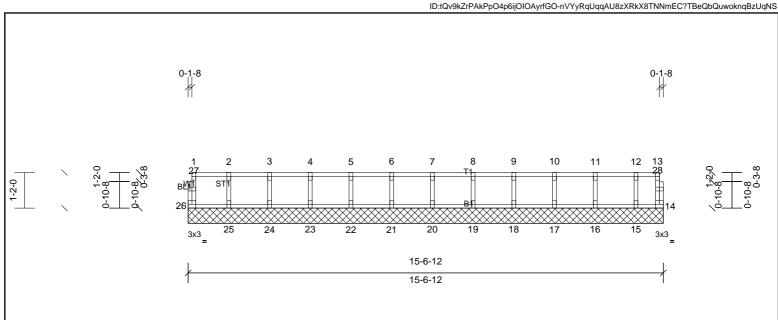
Rigid ceiling directly applied or 10-0-0 oc bracing.

verticals





Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:33



Scale = 1:37.9

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	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 66 lb	FT = 20%F, 11%E

LUMBER **BRACING** 

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

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 15-6-12.

2x4 SP No.3(flat)

(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

OTHERS

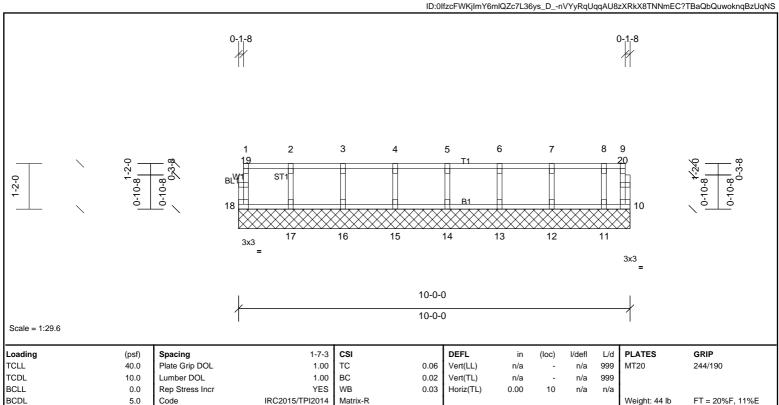
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 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	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH CTRY 2FLR OW	
72508816	K202	Truss	1	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. N	id Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:33					

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:33



**BOT CHORD** 

LUMBER **BRACING** TOP CHORD

TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.2(flat)

WEBS 2x4 SP No.3(flat) OTHERS 2x4 SP No.3(flat)

REACTIONS All bearings 10-0-0.

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

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

# NOTES

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

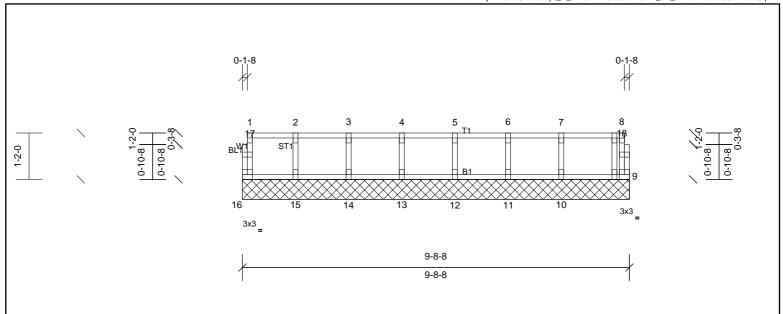
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

Rigid ceiling directly applied or 10-0-0 oc bracing.



Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH CTRY 2FLR OW
72508816	K203	Truss	1	1	Job Reference (optional)

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:34 Page: 1
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Scale = 1:29

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	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)	0.00	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 43 lb	FT = 20%F, 11%E

**BOT CHORD** 

 LUMBER
 BRACING

 TOP CHORD
 2x4 SP No.2(flat)
 TOP CHORD

 TOP CHORD
 2x4 SP No.2(flat)

 BOT CHORD
 2x4 SP No.2(flat)

 WEBS
 2x4 SP No.3(flat)

 OTHERS
 2x4 SP No.3(flat)

2x4 SP No.3(flat)

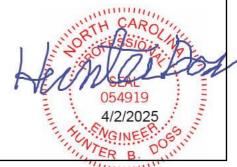
All bearings 9-8-8. (lb) - Max Grav All reactions 250 (lb) or less at joint(s) 9, 10, 11, 12, 13, 14, 15, 16

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

#### NOTES

REACTIONS

- 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.
- 7) CAUTION, Do not erect truss backwards.



Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

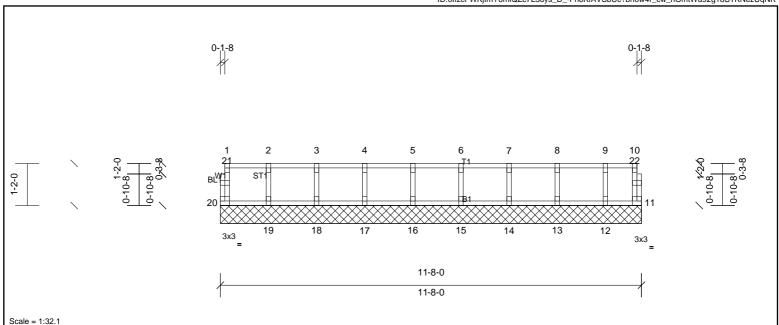
Rigid ceiling directly applied or 10-0-0 oc bracing.

verticals





Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 08:16:34 Page: 1  $ID: OlfzcFWKjImY6mlQZc7L36ys\_D\_-Fh6KfAVSbUc?bh0w4r\_cw\_nOmtWu92g18STKNezUqNR$ 



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	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL 0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	11	n/a	n/a		
BCDL 5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 50 lb	FT = 20%F, 11%E

**BOT CHORD** 

LUMBER **BRACING** TOP CHORD

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

2x4 SP No.3(flat)

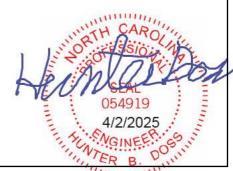
OTHERS REACTIONS All bearings 11-8-0

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 11, 12, 13, 14, 15, 16, 17, 18, 19,

**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/
- 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.



Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

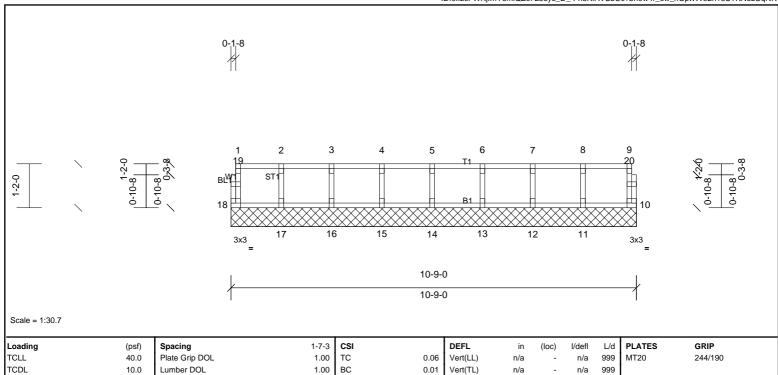
Rigid ceiling directly applied or 10-0-0 oc bracing.

verticals



Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH CTRY 2FLR OW
72508816	K205	Truss	1	1	Job Reference (optional)

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0.02

TOP CHORD

**BOT CHORD** 

Horiz(TL)

0.00

10

n/a n/a

Rigid ceiling directly applied or 10-0-0 oc bracing.

Weight: 46 lb

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

LUMBER BRACING

TOP CHORD 2x4 SP No.2(flat)

0.0

5.0

 BOT CHORD
 2x4 SP No.2(flat)

 WEBS
 2x4 SP No.3(flat)

 OTHERS
 2x4 SP No.3(flat)

**REACTIONS** All bearings 10-9-0.

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

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

Rep Stress Incr

Code

# NOTES

BCLL

BCDL

- 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/

YES WB

Matrix-R

IRC2015/TPI2014

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.

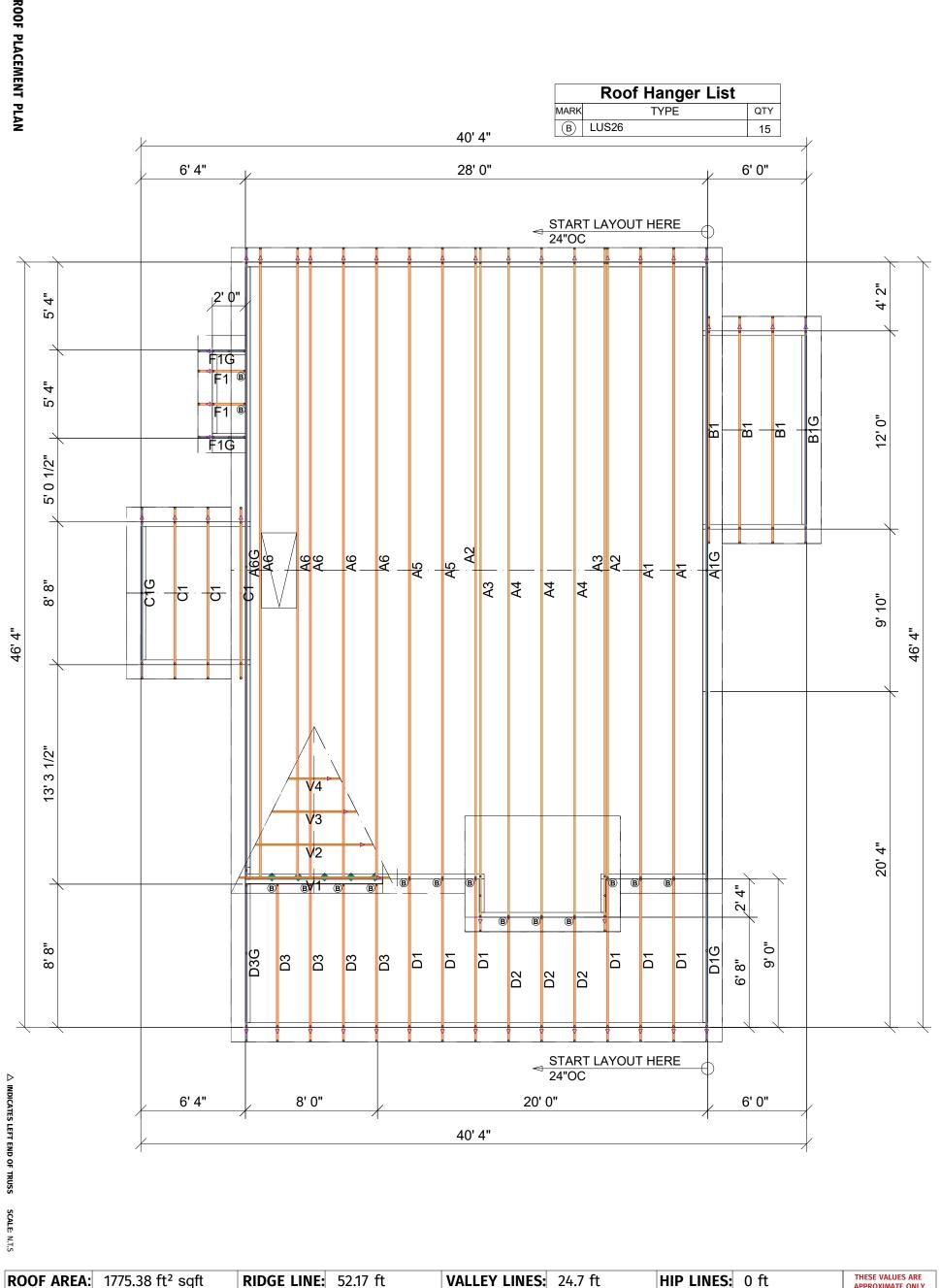
OS4919
4/2/2025

AUNTER B. OSINGER



FT = 20%F, 11%E

THIS IS A TRUSS PLACEMENT DIAGRAM (TPD) ONLY; NOT AN ENGINEERED DOCUMENT. Trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual truss design drawings (TDD's) for each truss design identified on the TPD. The Contractor is responsible for the temporary bracing of the roof and floor system, and requirements for the permanent restraint/bracing of truss systems may be met by following the methods outlined in ANSI-TPI 1-2014 - 2.3.3. The design of the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the building designer. For general guidance regarding installation and bracing, consult "Building Component Safety Information" (BCSI) available from the SBC Association (www.sbcacomponents.com). It is the responsibility of the General Contractor to verify that the provided component layout matches the final intended construction plans, loading conditions, and use. If they do not, it is the responsibility of the General Contractor to notify UFP and provide plans containing the latest specifications and designs. UFP will not be responsibility of the provided component layout matches the final intended construction plans, loading conditions, and use. If they do not, it is the responsibility of the General Contractor to verify that the provided component layout matches the final intended construction plans, loading conditions, and use. If they do not, it is the responsibility of the General Contractor to verify that the provided component layout matches the final intended construction plans, loading conditions, and use. If they do not, it is the responsibility of the General Contractor to verify that the provided component layout matches the final intended construction plans, loading contractor to verify that the provided component layout matches the final plans of the General Contractor to verify that the provided component layout matches the final plans of



THESE VALUES ARE APPROXIMATE ONLY **VALLEY LINES:** 24.7 ft **UFP** SITE BUILT DESIGNER
LAYOUT DATE
ARCH DATE
STRUC DATE REVISIONS **BRUNSWICK** This drawing is property of UFP Site Built, LLC. TRUSSTRA DATE DESCRIPTION DSN Any unauthorized use of this document without FRENCH COUNTRY **PBS- NEW HOME** UPPCONSTRUCTION written permission is prohibited. UFP relinquishes Burlington, NC Locust, NC Chesapeake, VA Liberty, NC Clinton, NC Ooltewah, TN ownership of delivered product upon delivery. **ROOF** Owner of product must obtain UFP's authorization DRG 3/31/2025 Clinton, NC prior to any alteration or modification of product; Pearisburg, VA Stanfield, NC **433 BEACON HILL ROAD** Conway, SC UFP will not be held responsible for any

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without prior written authorization from UFP.

Jefferson, GA

Customer Service (800) 476-9356

**27 DUNCANS CREEK** 

**LILLINGTON, NC 27546** 



Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 09:14:03

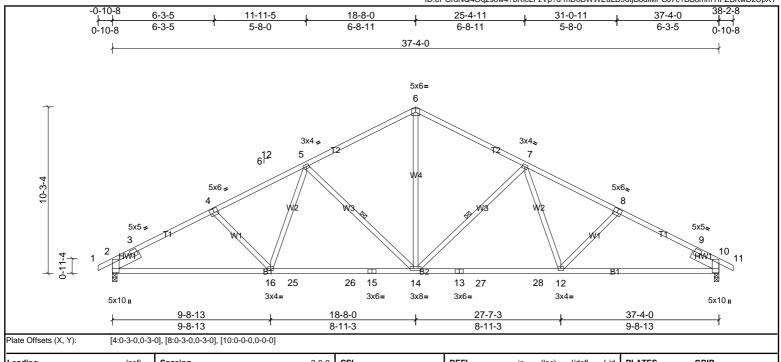
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Structural wood sheathing directly applied or 2-4-4 oc purlins

7-14, 5-14

Rigid ceiling directly applied or 9-0-2 oc bracing.

1 Row at midpt



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.30	12-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.54	12-14	>834	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.15	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 206 lb	FT = 20%

BRACING

TOP CHORD

BOT CHORD

WEBS

LUMBER TOP CHORD 2x4 SP No.2 \*Except\* T1:2x4 SP SS

BOT CHORD 2x4 SP No.1

2x4 SP No.3 WEBS

SLIDER Left 2x6 SP No.2 -- 1-11-0, Right 2x6 SP No.2 -- 1-11-0

REACTIONS (lb/size) 2=1546/0-3-8, (min. 0-1-13), 10=1546/0-3-8, (min. 0-1-13)

2=-170 (LC 15) Max Horiz

> Max Uplift 2=-221 (LC 10), 10=-221 (LC 11)

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

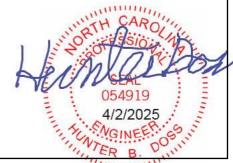
 $2 - 3 - 536/155, \ 3 - 4 - 2398/675, \ 4 - 5 - 2212/655, \ 5 - 6 - 1694/591, \ 6 - 7 - 1694/591, \ 7 - 8 - 2212/655, \ 8 - 9 - 2398/675, \ 9 - 10 - 331/155$ 

**BOT CHORD** 2-16 = -468/2044, 16-25 = -345/1864, 25-26 = -345/1864, 15-26 = -345/1864, 14-15 = -345/1864, 13-14 = -345/1864, 13-27 = -345/1864, 27-28 = -345/1864, 12-28 = -345/1864, 10-12 = -468/2044WFBS

6-14=-314/1099, 7-14=-641/294, 7-12=-15/364, 5-14=-641/294, 5-16=-15/364

# NOTES

- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* 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 221 lb uplift at joint 2 and 221 lb uplift at joint 10.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 6) 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.





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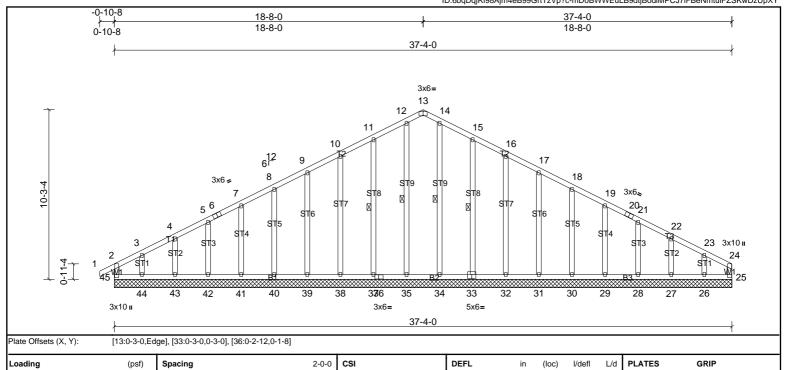
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Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

12-35, 14-34, 11-37, 15-33

Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Row at midpt



	111 (100)	<b>DEFL</b> in	l (loc	l/defl	L/d	PLATES	GRIP
_	n/a -	Vert(LL) n/a	1	n/a	999	MT20	244/190
)	n/a -	Vert(CT) n/a	1	n/a	999	1	
	0.01 25	Horz(CT) 0.01	25	n/a	n/a	1	
)						Weight: 261 lb	FT = 20%
)	n/a -	Vert(CT) n/a	1		n/a	n/a 999	n/a 999 n/a n/a

BOT CHORD

WFBS

LUMBER BRACING TOP CHORD

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

2x4 SP No.3 WEBS **OTHERS** 2x4 SP No.3

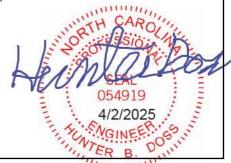
REACTIONS All bearings 37-4-0. (lb) - Max Horiz 45=156 (LC 10) Max Uplift

All uplift 100 (lb) or less at joint(s) 25, 27, 28, 29, 30, 31, 32, 33, 37, 38, 39, 40, 41, 42, 43, 45 except 26=-142 (LC 11), 44=-160 (LC 10) Max Grav All reactions 250 (lb) or less at joint(s) 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 37, 38, 39, 40, 41, 42, 43, 44, 45

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

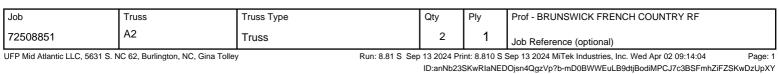
**FORCES** TOP CHORD 10-11=-105/253, 11-12=-129/319, 12-13=-114/280, 13-14=-114/280, 14-15=-129/319, 15-16=-106/254

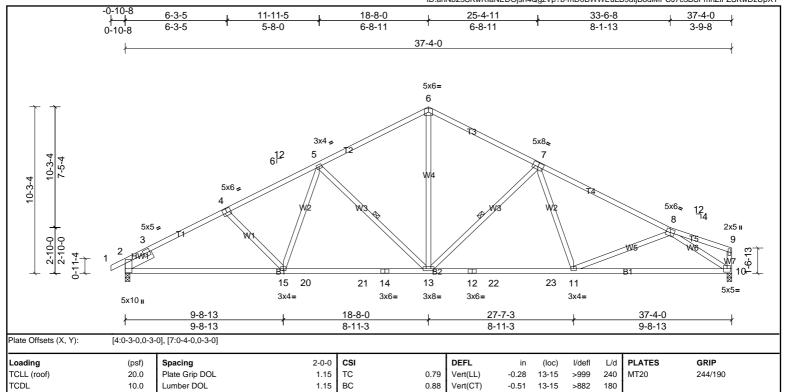
- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS 2) for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only
- 4) All plates are 2x3 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* 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 9) the bottom chord and any other members.
- 10 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 45, 25, 37, 38, 39, 40, 41, 42, 43, 33, 32, 31, 30, 29, 28, 27 except (jt=lb) 44=160, 26=141.
- 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.











LUMBER TOP CHORD 2x4 SP No.2 \*Except\* T1,T4:2x4 SP SS

0.0

10.0

BOT CHORD 2x4 SP No.1

2x4 SP No.3 WEBS SLIDER

Left 2x6 SP No.2 -- 1-11-0 REACTIONS 2=1541/0-3-8, (min. 0-1-13), 10=1487/0-3-8, (min. 0-1-12) (lb/size)

2=175 (LC 14) Max Horiz

Max Uplift 2=-221 (LC 10), 10=-201 (LC 11)

Rep Stress Incr

Code

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

 $2-3=-529/161,\ 3-4=-2390/672,\ 4-5=-2203/653,\ 5-6=-1680/588,\ 6-7=-1686/593,\ 7-8=-2256/618$ 

2-15 = -486/2036, 15-20 = -363/1855, 20-21 = -363/1855, 14-21 = -363/1855, 13-14 = -363/1855, 12-13 = -374/1871, 12-22 = -374/1871, 22-23 = -374/1871, 11-23 = -374/1871, 10-11 = -514/1932

0.92

BRACING

TOP CHORD

BOT CHORD

WFBS

Horz(CT)

0.10

1 Row at midpt

10

n/a

Rigid ceiling directly applied or 8-6-13 oc bracing.

n/a

Weight: 209 lb

5-13, 7-13

Structural wood sheathing directly applied or 2-2-0 oc purlins, except end

FT = 20%

6-13=-324/1096, 5-15=-14/369, 5-13=-644/296, 7-13=-666/309, 7-11=0/361, 8-10=-2236/678

YES WB

Matrix-MSH

IRC2015/TPI2014

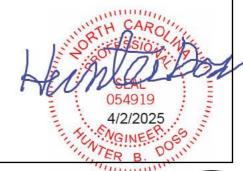
### WFBS NOTES

**BOT CHORD** 

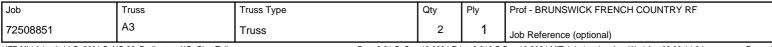
BCLL

BCDI

- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* 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 201 lb uplift at joint 10 and 221 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/ 6) TPI 1.

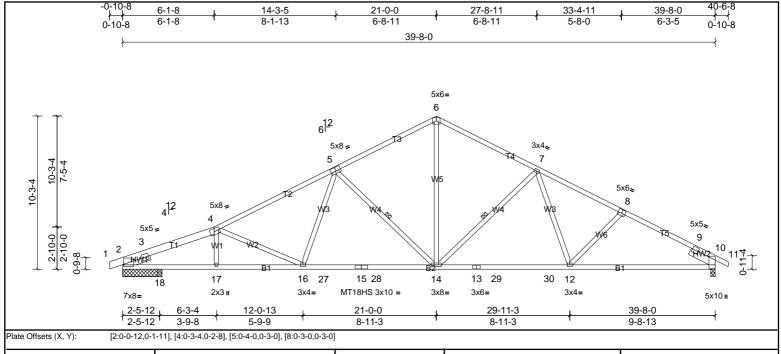






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	Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
ı	TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	-0.31	12-14	>999	240	MT20	244/190
ı	TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.58	12-14	>776	180	MT18HS	244/190
1	BCLL	0.0*	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.17	10	n/a	n/a		
	BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 223 lb	FT = 20%

LUMBER BRACING

TOP CHORD TOP CHORD 2x4 SP No.2 \*Except\* T1:2x6 SP No.2, T2.T5:2x4 SP SS Structural wood sheathing directly applied. BOT CHORD BOT CHORD 2x4 SP SS \*Except\* B2:2x4 SP No.1 Rigid ceiling directly applied or 7-8-15 oc bracing. WEBS 1 Row at midpt 5-14, 7-14

2x4 SP No.3 WEBS SLIDER Left 2x4 SP No.3 -- 1-11-0, Right 2x6 SP No.2 -- 1-11-0

REACTIONS 2=1300/2-7-8, (min. 0-1-9), 10=1617/0-3-8, (min. 0-1-15), 18=361/0-3-8 (lb/size)

Max Horiz 2=174 (LC 10)

Max Uplift 2=-204 (LC 10), 10=-227 (LC 11), 18=-46 (LC 10)

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

TOP CHORD **BOT CHORD** 

2-18-730/2917, 17-18-730/2917, 16-17-724/2913, 16-27-441/2165, 15-27-441/2165, 15-28-441/2165, 14-28-441/2165, 13-14-381/1991, 13-29-381/1991, 29-30-381/1991, 13-29-381/19912-30=-381/1991, 10-12=-501/2161

4-16=-653/297, 5-16=-33/535, 5-14=-851/376, 6-14=-362/1230, 7-14=-638/295, 7-12=-15/355

### WEBS 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) 2) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between
- the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 2, 227 lb uplift at joint 10 and 46 lb 6)
- 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/



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.





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Page: 1

 $ID: 3\_x\_FPTzhlQQ? OoaGZIJzuzVp? a-FPaZkrFW6UHUVtm\_BPtelWgmZaqKVBlrTDBuSgzUpXXapprox approx by the property of the property o$ 40-6-8 11-11-5 18-8-0 25-4-11 33-6-8 39-8-0 6-3-5 5-8-0 6-3-5 6-8-11 6-8-11 8-1-13 6-1-8 0-10-8 0-10-8 39-8-0 5x6= 6 5x8 6<sup>12</sup> 5 10-3-4 5x6 = 4 5x8. 12 14 8 5x5 🗸 5x5≈ 9 10 11 φ 17 26 16 15 28 14 29 13 12 3x4= 3x6= 3x8= MT18HS 3x10 = 3x4= 2x3 II 5x10 II 7x8= 9-8-13 33-4-12 39-8-0 18-8-0 27-7-3 9-8-13 5-9-9 8-11-3 8-11-3 6-3-4 [4:0-3-0,0-3-0], [7:0-4-0,0-3-0], [8:0-2-4,0-2-8], [10:0-0-4,0-1-15] Plate Offsets (X, Y):

TCDL Lumber DOL вс 244/190 10.0 1.15 0.76 Vert(CT) -0.58 15-17 >825 180 MT18HS BCLL YES WB 0.0 Horz(CT) 0.12 Rep Stress Incr 0.73 10 n/a n/a BCDI IRC2015/TPI2014 10.0 Code Matrix-MSH Weight: 223 lb FT = 20%

2-0-0 CSI

1.15 TC

LUMBER TOP CHORD 2x4 SP SS \*Except\* T3.T2:2x4 SP No.2, T5:2x6 SP No.2

BOT CHORD 2x4 SP SS \*Except\* B2:2x4 SP No.1

(psf)

20.0

2x4 SP No.3 WEBS

SLIDER Left 2x6 SP No.2 -- 1-11-0, Right 2x4 SP No.3 -- 1-11-0

REACTIONS 2=1639/0-3-8, (min. 0-1-15), 10=1639/0-3-8, (min. 0-1-15) (lb/size)

Spacing

Plate Grip DOL

2=-174 (LC 11) Max Horiz

Max Uplift 2=-226 (LC 10), 10=-246 (LC 11)

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

TOP CHORD  $2 - 3 = -559/141, \ 3 - 4 = -2575/721, \ 4 - 5 = -2393/702, \ 5 - 6 = -1888/640, \ 6 - 7 = -1894/644, \ 7 - 8 = -2803/770, \ 8 - 9 = -3523/935, \ 9 - 10 = -1391/312$ 

2-17 = -508/2197, 17-26 = -389/2032, 26-27 = -389/2032, 16-27 = -389/2032, 15-16 = -389/2032, 15-28 = -457/2250, 14-29 = -457/2250, 14-29 = -457/2250, 13-29 = -457/2250, 12-13 = -788/2052, 12-13 = -788

DEFL

Vert(LL)

0.87

**BRACING** 

WEBS

TOP CHORD

BOT CHORD

in

1 Row at midpt

-0.31

(loc)

15-17

I/defl

>999

Structural wood sheathing directly applied.

Rigid ceiling directly applied or 7-6-10 oc bracing.

L/d

240

10-12=-792/3255

6-15=-370/1271, 8-13=-906/343, 5-17=-15/351, 5-15=-636/294, 7-15=-907/387, 7-13=-48/608

# WEBS NOTES

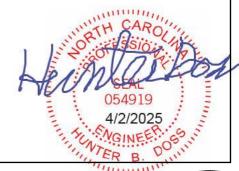
**BOT CHORD** 

Loading

TCLL (roof)

- 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) 2) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are MT20 plates unless otherwise indicated
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between
- the bottom chord and any other members, with BCDL = 10.0psf.

  Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 246 lb uplift at joint 10 and 226 lb uplift at joint 2. 6)
- 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/



PLATES

5-15, 7-15

MT20

GRIP

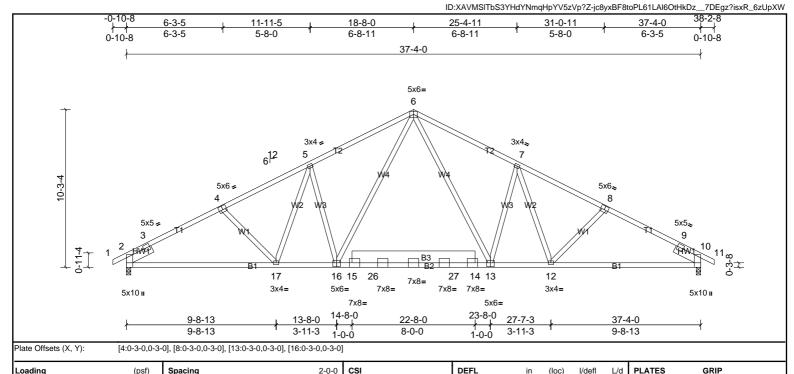
244/190





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**BRACING** 

Matrix-MSH

TOP CHORD Structural wood sheathing directly applied or 2-7-0 oc purlins

-0.18

-0.35

0.13

BOT CHORD Rigid ceiling directly applied or 8-11-9 oc bracing.

16-17

13-16

10

>999

>999

n/a

240

180

n/a

MT20

Weight: 248 lb

244/190

FT = 20%

Left 2x6 SP No.2 -- 1-11-0, Right 2x6 SP No.2 -- 1-11-0

20.0

10.0

0.0

10.0

2x4 SP No.3

2x4 SP No.2 \*Except\* T1:2x4 SP SS

REACTIONS 2=1546/0-3-8, (min. 0-1-13), 10=1546/0-3-8, (min. 0-1-13) (lb/size)

2x4 SP No.1 \*Except\* B2:2x4 SP No.2, B3:2x10 SP No.2

Plate Grip DOL

Rep Stress Incr

Lumber DOL

Code

2=-170 (LC 11) Max Horiz

Max Uplift 2=-221 (LC 10), 10=-221 (LC 11)

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

2 - 3 - 616/51, 3 - 4 - 2390/677, 4 - 5 - 2202/657, 5 - 6 - 2036/740, 6 - 7 - 2036/740, 7 - 8 - 2202/657, 8 - 9 - 2390/677, 9 - 10 - 2418/51, 3 -

1.15 TC

1.15 вс

YES WB

IRC2015/TPI2014

2-17 = -469/2038, 16-17 = -343/1871, 15-16 = -156/1389, 15-26 = -156/1389, 26-27 = -156/1389, 14-27 = -156/1389, 13-14 = -156/1389, 12-13 = -343/1871, 10-12 = -469/2038, 16-17 = -156/1389, 12-13 = -156

0.76

0.91

0.60

Vert(LL)

Vert(CT)

Horz(CT)

7-12=-34/283, 5-17=-34/283, 5-16=-580/295, 6-16=-250/790, 6-13=-250/790, 7-13=-580/295

# WFBS NOTES

**BOT CHORD** 

TCLL (roof)

LUMBER

WEBS SLIDER

TOP CHORD

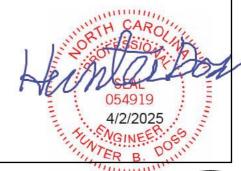
BOT CHORD

TCDL

BCLL

BCDI

- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* 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 221 lb uplift at joint 2 and 221 lb uplift at joint 10.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 6) TPI 1.

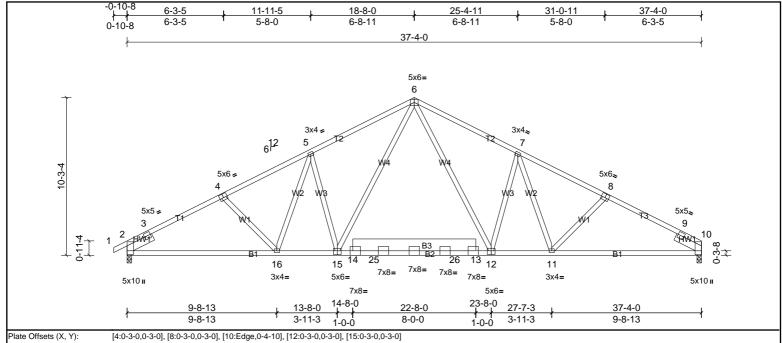






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L	oading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
T	CLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.18	15-16	>999	240	MT20	244/190
T	CDL	10.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.35	12-15	>999	180		
E	BCLL	0.0*	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.13	10	n/a	n/a		
E	BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH	i						Weight: 246 lb	FT = 20%

LUMBER **BRACING** 

TOP CHORD TOP CHORD 2x4 SP SS \*Except\* T2:2x4 SP No.2 Structural wood sheathing directly applied or 2-7-0 oc purlins BOT CHORD BOT CHORD 2x4 SP No.1 \*Except\* B3:2x10 SP No.2, B2:2x4 SP No.2 Rigid ceiling directly applied or 8-8-2 oc bracing.

2x4 SP No.3 WEBS

SLIDER Left 2x6 SP No.2 -- 1-11-0, Right 2x6 SP No.2 -- 1-11-0

REACTIONS 2=1546/0-3-8, (min. 0-1-13), 10=1493/0-3-8, (min. 0-1-12) (lb/size)

2=178 (LC 14) Max Horiz Max Uplift

2=-221 (LC 10), 10=-201 (LC 11) (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**FORCES** TOP CHORD 2 - 3 - 616/51, 3 - 4 = -2391/678, 4 - 5 = -2203/658, 5 - 6 = -2037/740, 6 - 7 = -2038/741, 7 - 8 = -2206/659, 8 - 9 = -2395/679, 9 - 10 = -432/9

**BOT CHORD** 2-16=-501/2039, 15-16=-374/1872, 14-15=-188/1390, 14-25=-188/1390, 25-26=-188/1390, 13-26=-188/1390, 12-13=-188/1390, 11-12=-375/1874, 10-11=-503/2044 WFBS

6-15=-250/790, 6-12=-250/792, 5-16=-34/283, 7-11=-34/284, 5-15=-580/294, 7-12=-582/295

### NOTES

- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* 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 201 lb uplift at joint 10 and 221 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/ 6) 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.





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I/defl

n/a 999

n/a 999

n/a n/a

Rigid ceiling directly applied or 10-0-0 oc bracing.

L/d

in

n/a

n/a

1 Row at midpt

0.01

(loc)

25

**PLATES** 

Weight: 261 lb

12-36, 14-35, 11-38, 15-33

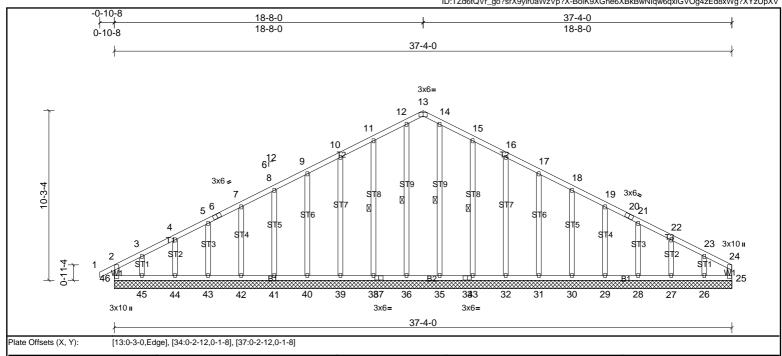
MT20

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

GRIP

244/190

FT = 20%



DEFL

Vert(LL)

Vert(CT)

Horz(CT)

0.20

0.10

0.13

**BRACING** 

TOP CHORD

BOT CHORD

WFBS

CSI

Matrix-MR

2-0-0

1.15 TC

1.15 вс

YES WB

IRC2015/TPI2014

LUMBER TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

2x4 SP No.3 WEBS **OTHERS** 2x4 SP No.3

REACTIONS

Loading

TCDL

BCLL

BCDI

TCLL (roof)

All bearings 37-4-0.

(psf)

20.0

10.0

0.0

10.0

Spacing

Code

Plate Grip DOL

Rep Stress Incr

Lumber DOL

(lb) - Max Horiz 46=156 (LC 10)

All uplift 100 (lb) or less at joint(s) 25, 27, 28, 29, 30, 31, 32, 33, 38, 39, 40, 41, 42, 43, 44, 46 except 26=-142 (LC 11), 45=-160 (LC 10) Max Uplift Max Grav All reactions 250 (lb) or less at joint(s) 25, 26, 27, 28, 29, 30, 31, 32, 33,

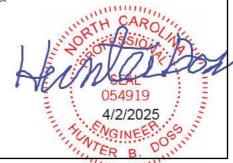
35, 36, 38, 39, 40, 41, 42, 43, 44, 45, 46

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

10-11=-105/254, 11-12=-129/319, 12-13=-114/280, 13-14=-114/280, 14-15=-129/319, 15-16=-105/254

#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only
- 4) All plates are 2x3 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* 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 9) the bottom chord and any other members.
- 10 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 46, 25, 38, 39, 40, 41, 42, 43, 44, 33, 32, 31, 30, 29, 28, 27 except (jt=lb) 45=159, 26=142.
- 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.



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	Prof - BRUNSWICK FRENCH COUNTRY RF
72508851	B1	Truss	3	1	Job Reference (optional)

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Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

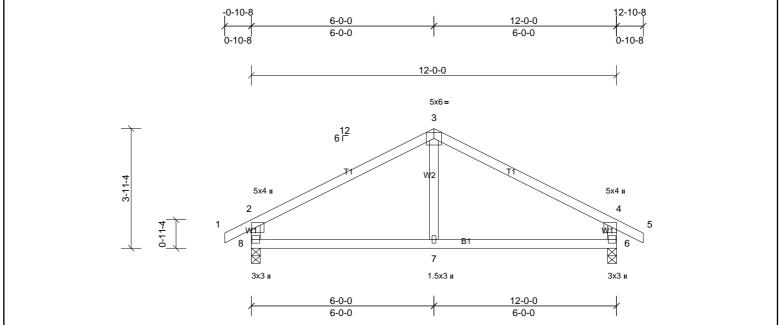


Plate Offsets (X, Y):	[2:0-2-0,0-1-12], [4:0-2-0,0-1-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.03	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(CT)	-0.07	7-8	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 47 lb	FT = 20%

LUMBER BRACING

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

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3 WEBS

REACTIONS (lb/size) 6=530/0-3-8, (min. 0-1-8), 8=530/0-3-8, (min. 0-1-8) Max Horiz 8=70 (LC 9)

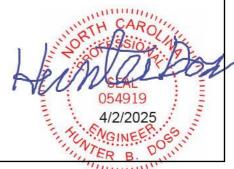
6=-85 (LC 11), 8=-85 (LC 10) Max Uplift

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

 $2\hbox{-}3\hbox{-}-536/190,\ 3\hbox{-}4\hbox{-}-536/190,\ 2\hbox{-}8\hbox{-}-464/250,\ 4\hbox{-}6\hbox{-}-464/250$ 

**BOT CHORD** 7-8=-20/397, 6-7=-20/397

- 1) 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) 2) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint 8 and 85 lb uplift at joint 6.
- 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







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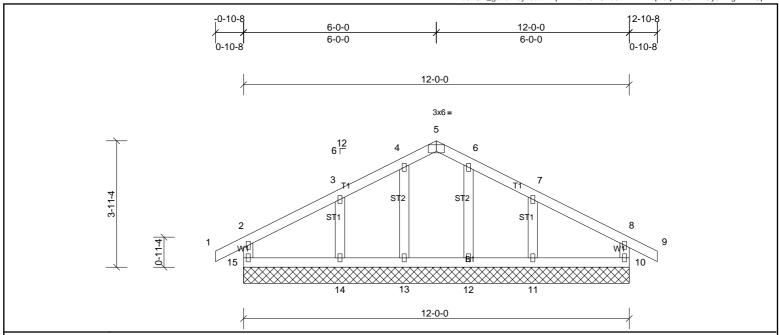


Plate Offsets (X, Y): [5:0-3-0,Edge]

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	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	10	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 57 lb	FT = 20%	

LUMBER **BRACING** TOP CHORD

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

WEBS **OTHERS** 2x4 SP No.3

> All bearings 12-0-0. (lb) - Max Horiz 15=70 (LC 9) Max Uplift

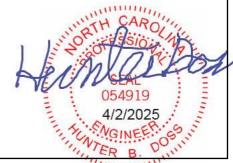
All uplift 100 (lb) or less at joint(s) 10, 11, 14, 15 Max Grav All reactions 250 (lb) or less at joint(s) 10, 11, 12, 13, 14, 15

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

### NOTES

REACTIONS

- 1) 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 2) for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only
- 4) All plates are 1.5x3 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 10, 14, 11.
- 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/



Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

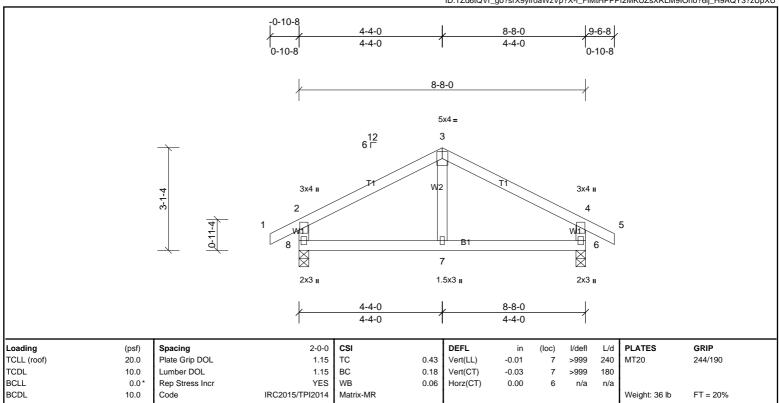
Rigid ceiling directly applied or 10-0-0 oc bracing.

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	Prof - BRUNSWICK FRENCH COUNTRY RF
72508851	C1	Truss	3	1	Job Reference (optional)

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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** Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 2x4 SP No.3

REACTIONS (lb/size) 6=396/0-3-8, (min. 0-1-8), 8=396/0-3-8, (min. 0-1-8)

> Max Horiz 8=60 (LC 9)

Max Uplift 6=-67 (LC 11), 8=-67 (LC 10)

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

TOP CHORD 2-3=-345/149, 3-4=-345/149, 2-8=-339/213, 4-6=-339/213

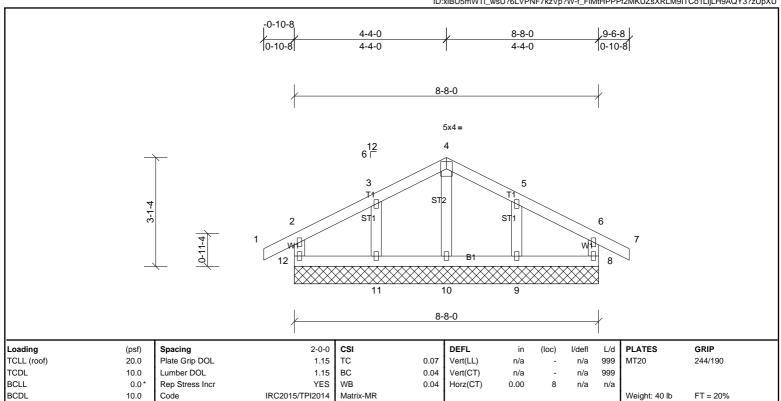
- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 8 and 67 lb uplift at joint 6.
- 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/







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LUMBER BRACING TOP CHORD

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

OTHERS 2x4 SP No.3

REACTIONS All bearings 8-8-0.

(lb) - Max Horiz 12=60 (LC 9)

All uplift 100 (lb) or less at joint(s) 8, 9, 11, 12 Max Uplift Max Grav All reactions 250 (lb) or less at joint(s) 8, 9, 10, 11, 12

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. 1)
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 2) 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. 3)
- 4) All plates are 1.5x3 MT20 unless otherwise indicated. 5) Gable requires continuous bottom chord bearing
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 8, 11, 9.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/



Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

Rigid ceiling directly applied or 10-0-0 oc bracing.

verticals

**BOT CHORD** 

Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH COUNTRY RF
72508851	D1	Truss	6	1	Job Reference (optional)

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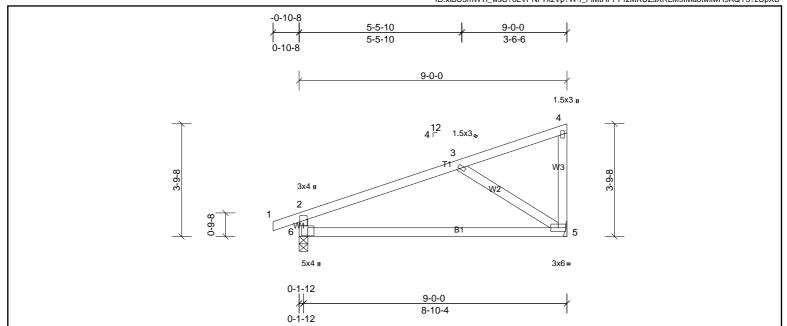


Plate Offsets (X, \	Y):	[6:0-0-4,0-2-8]
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- 1_													
ī	Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
1	TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	-0.20	5-6	>522	240	MT20	244/190
1	TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.40	5-6	>263	180		
E	BCLL	0.0*	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	5	n/a	n/a		
E	BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH	l						Weight: 40 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 2x4 SP No.2 **BOT CHORD** 

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3 WEBS

REACTIONS (lb/size) 5=345/ Mechanical, (min. 0-1-8), 6=413/0-3-8, (min. 0-1-8)

Max Horiz 6=127 (LC 6)

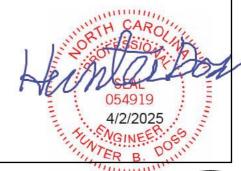
5=-97 (LC 10), 6=-89 (LC 6) Max Uplift

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

2-3=-384/134, 2-6=-324/210

**BOT CHORD** 5-6=-226/317 3-5=-349/279 WEBS

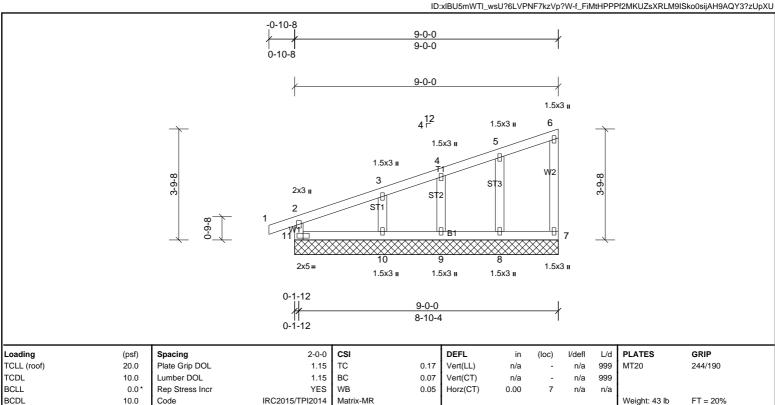
- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for 2) 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.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 5 and 89 lb uplift at joint 6. 6)
- 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/





Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH COUNTRY RF
72508851	D1G	Truss	1	1	Job Reference (optional)

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LUMBER BRACING TOP CHORD

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

WEBS 2x4 SP No.3 OTHERS 2x4 SP No.3

REACTIONS All bearings 9-0-0.

(lb) - Max Horiz 11=127 (LC 6)

Max Uplift All uplift 100 (lb) or less at joint(s) 7, 8, 9, 10, 11 Max Grav All reactions 250 (lb) or less at joint(s) 7, 8, 9, 10, 11

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.
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 2) 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 3)
- 4) All plates are 1.5x3 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 10) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 7, 8, 9, 10.
- 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/



Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

Rigid ceiling directly applied or 10-0-0 oc bracing.

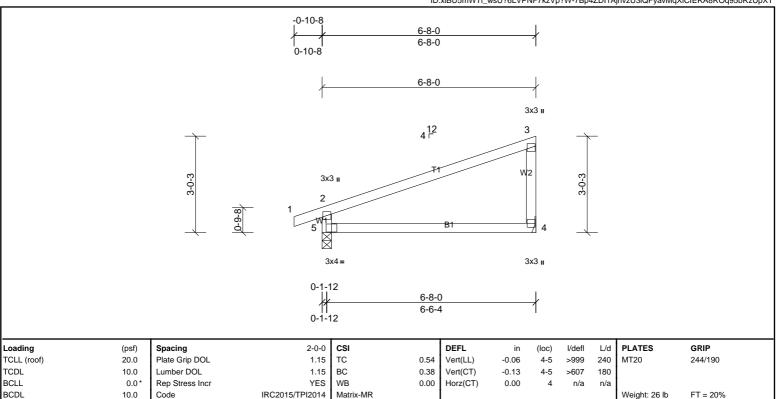
verticals

**BOT CHORD** 



Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH COUNTRY RF
72508851	D2	Truss	3	1	Job Reference (optional)

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 09:14:08 Page: 1  $ID:xIBU5mWTI\_wsU?6LVPNF7kzVp?W-7Bp4ZDI1AjnvzU3lQFyavMqXiCIERA8ROq95bRzUpXT$ 



**BOT CHORD** 

LUMBER BRACING TOP CHORD

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

WEBS 2x4 SP No.3

REACTIONS (lb/size) 4=250/ Mechanical, (min. 0-1-8), 5=321/0-3-8, (min. 0-1-8)

Max Horiz 5=95 (LC 6)

Max Uplift 4=-72 (LC 10), 5=-76 (LC 6)

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

TOP CHORD 2-5=-273/197

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- 5) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 4 and 76 lb uplift at joint 5.
- 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.



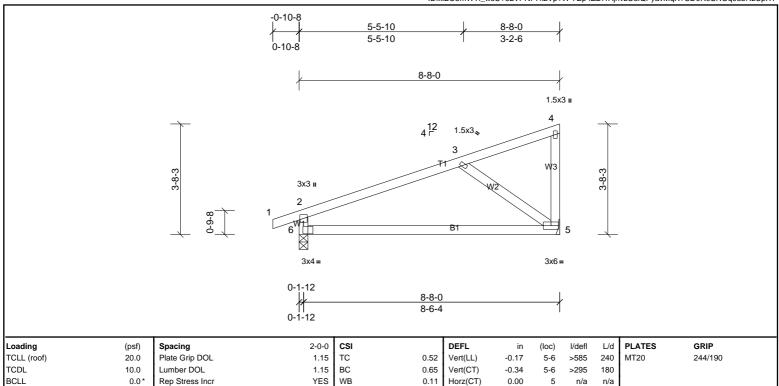
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

Rigid ceiling directly applied or 10-0-0 oc bracing.



Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH COUNTRY RF
72508851	D3	Truss	4	1	Job Reference (optional)

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LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

WEBS 2x4 SP No.3 BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

Rigid ceiling directly applied or 10-0-0 oc bracing.

Matrix-MSH

**REACTIONS** (lb/size) 5=331/ Mechanical, (min. 0-1-8), 6=400/0-3-8, (min. 0-1-8)

Max Horiz 6=122 (LC 6) Max Uplift 5=-94 (LC 10), 6=-87 (LC 6)

Code

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

TOP CHORD 2-3=-356/122, 2-6=-314/206

BOT CHORD 5-6=-211/291 WEBS 3-5=-330/270

### NOTES

BCDL

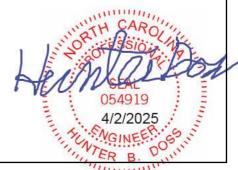
1) Unbalanced roof live loads have been considered for this design.

10.0

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 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.

IRC2015/TPI2014

- 5) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 5 and 87 lb uplift at joint 6.
- 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.



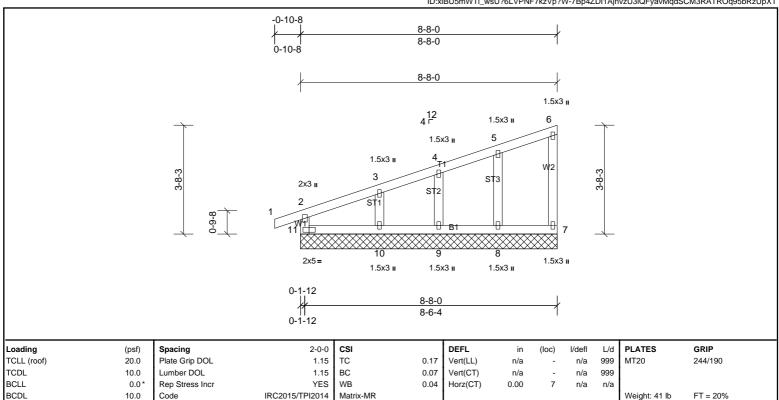
Weight: 38 lb

FT = 20%



Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH COUNTRY RF
72508851	D3G	Truss	1	1	Job Reference (optional)

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 LUMBER
 BRACING

 TOP CHORD
 2x4 SP No.2
 TOP CHORD

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

WEBS 2x4 SP No.3 OTHERS 2x4 SP No.3

REACTIONS All bearings 8-8-0.

(lb) - Max Horiz 11=122 (LC 6)

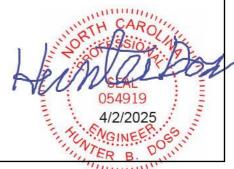
Max Uplift All uplift 100 (lb) or less at joint(s) 7, 8, 9, 10, 11

Max Grav All reactions 250 (lb) or less at joint(s) 7, 8, 9, 10, 11

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

### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only.
- 4) All plates are 1.5x3 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 7, 8, 9, 10.
- 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/



Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

Rigid ceiling directly applied or 10-0-0 oc bracing.

verticals

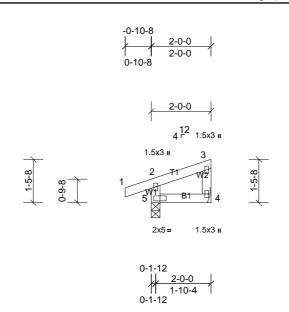
**BOT CHORD** 

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	Prof - BRUNSWICK FRENCH COUNTRY RF
72508851	F1	Truss	2	1	Job Reference (optional)

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 09:14:08 Page: 1
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	4-5	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 9 lb	FT = 20%

LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals.

WEBS 2x4 SP No.3 ST CHORD BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

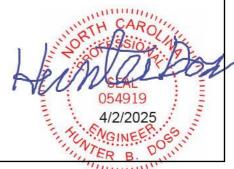
**REACTIONS** (lb/size) 4=50/ Mechanical, (min. 0-1-8), 5=148/0-3-8, (min. 0-1-8)

Max Horiz 5=35 (LC 7)

Max Uplift 4=-20 (LC 10), 5=-56 (LC 6)

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

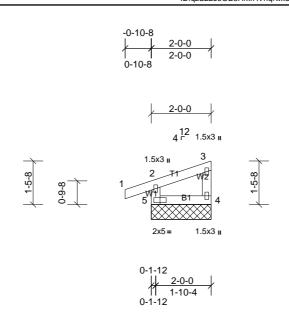
- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 4 and 56 lb uplift at joint 5.
- 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/





Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH COUNTRY RF
72508851	F1G	Truss	2	1	Job Reference (optional)

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psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
0.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999		
0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
0.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 9 lb	FT = 20%
0	).0 ).0 ).0 *	0.0 Plate Grip DOL 0.0 Lumber DOL 0.0* Rep Stress Incr	0.0 Plate Grip DOL 1.15 0.0 Lumber DOL 1.15 Rep Stress Incr YES	Document   Document	0.0     Plate Grip DOL     1.15     TC     0.08       0.0     Lumber DOL     1.15     BC     0.02       0.0*     Rep Stress Incr     YES     WB     0.00	0.0     Plate Grip DOL     1.15     TC     0.08     Vert(LL)       0.0     Lumber DOL     1.15     BC     0.02     Vert(CT)       0.0*     Rep Stress Incr     YES     WB     0.00     Horz(CT)	0.0     Plate Grip DOL     1.15     TC     0.08     Vert(LL)     n/a       0.0     Lumber DOL     1.15     BC     0.02     Vert(CT)     n/a       0.0 *     Rep Stress Incr     YES     WB     0.00     Horz(CT)     0.00	Description   Dolumber DOL   1.15   TC   0.08   Vert(LL)   n/a   - 0.00   Vert(CT)   n/a   - 0.00   Vert(CT)   n/a   - 0.00   Vert(CT)   0.00   Vert(CT)	0.0     Plate Grip DOL     1.15     TC     0.08     Vert(LL)     n/a     - n/a       0.0     Lumber DOL     1.15     BC     0.02     Vert(CT)     n/a     - n/a       0.0*     Rep Stress Incr     YES     WB     0.00     Horz(CT)     0.00     4 n/a	0.0     Plate Grip DOL     1.15     TC     0.08     Vert(LL)     n/a     -     n/a     999       0.0     Lumber DOL     1.15     BC     0.02     Vert(CT)     n/a     -     n/a     999       0.0*     Rep Stress Incr     YES     WB     0.00     Horz(CT)     0.00     4     n/a     n/a	Description   Document   Description   Des

LUMBER BRACING

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

REACTIONS (lb/size) 4=50/2-0-0, (min. 0-1-8), 5=148/2-0-0, (min. 0-1-8)

Max Horiz 5=35 (LC 7)

Max Uplift 4=-20 (LC 10), 5=-56 (LC 6)

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

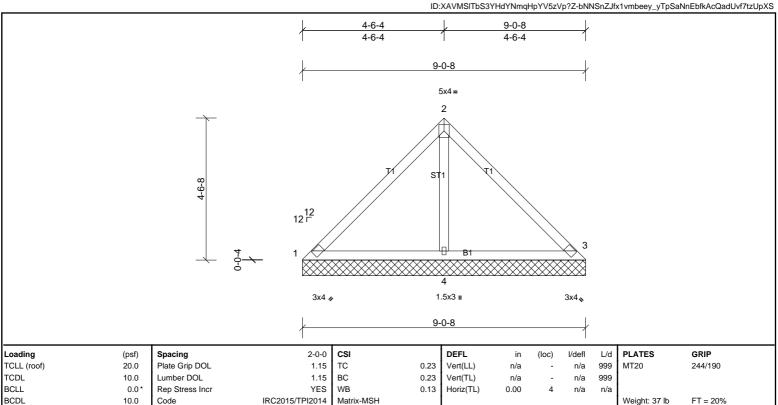
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only.
- 4) Gable requires continuous bottom chord bearing.
- 5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 6) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 7)
- 8) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between
- the bottom chord and any other members. 9)
- Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing
- 10 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 5 and 20 lb uplift at joint 4.
- 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.







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LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 9-0-8 oc purlins. BOT CHORD 2x4 SP No.2 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

(lb/size) 1=104/9-0-8, (min. 0-1-8), 3=85/9-0-8, (min. 0-1-8), 4=508/9-0-8, (min. 0-1-8) Max Horiz

2x4 SP No.3

Max Uplift 1=-22 (LC 6), 3=-29 (LC 6), 4=-157 (LC 10)

1=124 (LC 18), 3=136 (LC 22), 4=530 (LC 17) Max Grav

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

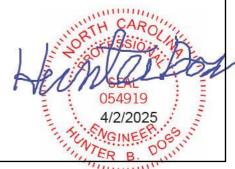
WEBS 2-4=-374/162

#### NOTES

FORCES

**OTHERS** REACTIONS

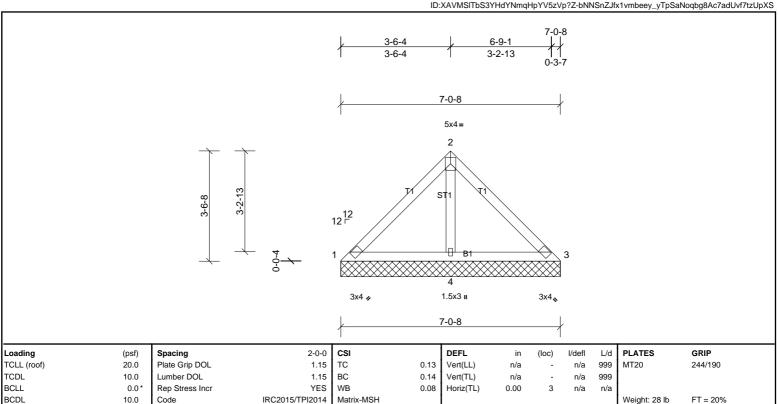
- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 Gable requires continuous bottom chord bearing.
- 3)
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* 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 5) the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1, 29 lb uplift at joint 3 and 157 lb uplift at joint 4.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ **TPI 1.**





Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH COUNTRY RF	
72508851	V2	Truss	1	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley			13 2024 Pri	nt: 8.810 S S	Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 09:14:09	Page: 1

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LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 7-0-8 oc purlins. BOT CHORD 2x4 SP No.2 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=57/7-0-8, (min. 0-1-8), 3=57/7-0-8, (min. 0-1-8), 4=448/7-0-8, (min.

0-1-8) Max Horiz 1=-86 (LC 6) Max Uplift 4=-99 (LC 10)

1=77 (LC 21), 3=77 (LC 22), 4=448 (LC 1) Max Grav

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

WEBS 2-4=-317/148

2x4 SP No.3

### NOTES

**OTHERS** 

- Unbalanced roof live loads have been considered for this design. 1)
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 2) 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. 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 5) the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 99 lb uplift at joint 4.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ **TPI 1.**





Job	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH COUNTRY RF
72508851 V3	Truss	1	1	Job Reference (optional)

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 09:14:09 Page: 1  $ID: XAVMSITbS3YHdYNmqHpYV5zVp?Z-bNNSnZJfx1vmbeey\_yTpSaNoKbg7AdOadUvf7tzUpXS$ 

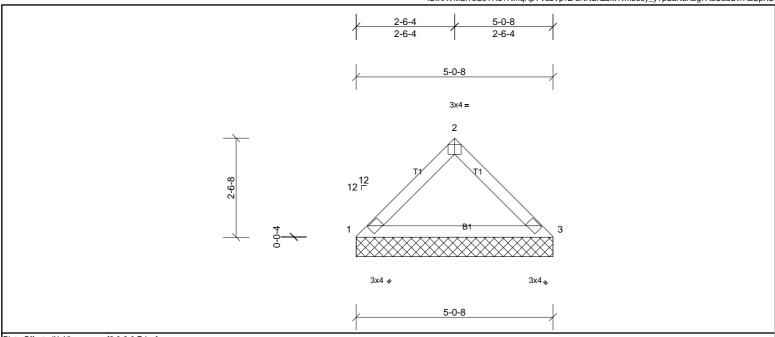


Plate Offsets (X, Y):	[2:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.16	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	0.00	Horiz(TL)	0.01	3	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 17 lb	FT = 20%	

LUMBER **BRACING** 

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins. BOT CHORD **BOT CHORD** 2x4 SP No.2 Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=202/5-0-8, (min. 0-1-8), 3=202/5-0-8, (min. 0-1-8)

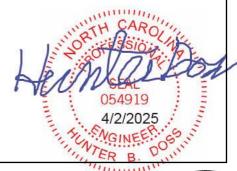
Max Horiz 1=60 (LC 9)

Max Uplift 1=-21 (LC 10), 3=-21 (LC 11)

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

1-2=-264/62

- 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) 2) 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. 3)
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 1 and 21 lb uplift at joint 3. 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)



Job	Truss	Truss Type	Qty	Ply	Prof - BRUNSWICK FRENCH COUNTRY RF	
72508851	V4	Truss	1	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S.	Run: 8.81 S Sep	13 2024 Pri	int: 8.810 S	Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 09:14:09	Page: 1	

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Apr 02 09:14:09  $ID: XAVMSITbS3YHdYNmqHpYV5zVp?Z-bNNSnZJfx1vmbeey\_yTpSaNpqbiSAdOadUvf7tzUpXS$ 

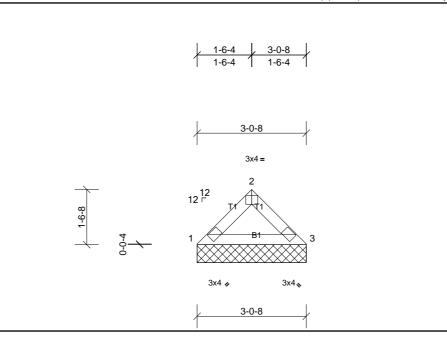


Plate Offsets (X, Y):	[2:0-2-0,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 10 lb	FT = 20%
				1	1						1	

LUMBER **BRACING** 

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 3-0-8 oc purlins. BOT CHORD **BOT CHORD** 2x4 SP No.2 Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=122/3-0-8, (min. 0-1-8), 3=122/3-0-8, (min. 0-1-8)

Max Horiz 1=35 (LC 7)

1=-13 (LC 10), 3=-13 (LC 11) Max Uplift

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

- 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) 2) 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.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 1 and 13 lb uplift at joint 3. 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/ 7) TPI 1.

