

36' 0"

PLACEMENT PLAN

FLUSH LVL BEAMS

1 3/4" x 14" 2.0E Microllam® LVL

3 1 3/4" x 18" 2.0E Microllam® LVL 22' 0"

6' 0"

16' 0"

(

2 1 3/4" x 14" 2.0E Microllam® LVL

3 1 3/4" x 18" 2.0E Microllam® LVL

FLOOR HANGER LIST

Fab Type Net Qty Plies

3

47 LUS48

MFD

MFD

MFD

 \triangle Indicates left end of truss Scale: N.T.S

376 BEACON HILL ROAD LILLINGTON, NC 27546 HOLLY 'FARMHOUSE' 2ND FLOOR sqft DSN $\mathfrak{f}\mathfrak{t}^2$ 2251.88 AREA:

BUILT

SITE A UPP INDUSTRIES (

UFP

Ŧ 0

LINES:

H

4

58

LINES:

VALLEY

Ŧ 2

67.

LINE

RIDGE

PBS

TRUSSING TRACK UPP. COSTSTRUCTION OF THE PROPERTY OF THE PROPE

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CREEK

DUNCANS

102

L0

DESIGNER AM **LAYOUT DATE** 2-25-25 ARCH DATE STRUC DATE

ROOF

JOB #: 25021433F2

Job	Truss	Truss Type	Qty	Ply	PBS\HOLLY FARMHOUSE RH 2ND FLR	
72505293	2F1	Truss	4	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. N	251		ep 13 2024 F	rint: 8.810 S	Sep 13 2024 MiTek Industries, Inc. Fri Feb 28 10:18:45	Page: 1

21-6-4

4-0-0

1-9-10

27-5-6

4-1-8

0-1-8 2-6-0 2-6-0 0-1-8 2-6-0 柎 1-3-0 1-10-12 2-6-0 2-6-0 1-9-10 2-6-0 1.5x3 _{II} 3x4_ 1.5x3 1.5x3_ 3x6 FF 3x5_ 3x3 _{II} 1.5x3 3x4_ 3x4 1.5x3 1.5x3_{II} 3x5 3x4_ 1.5x3 _{II} 1.5x3 2 3 7 8 9 10 12 6 13 11 W3 23 22 20 19 17 16 3x5 18 3x5 3x3 3x4 3x4 3x6 FP 3x4 3x4 3x3 3x8

[15:0-2-0,Edge], [17:0-1-8,Edge], [21:0-1-8,Edge], [22:0-1-8,Edge], [24:0-2-0,Edge] Plate Offsets (X, Y): DEFL 1-7-3 CSI in I/defl L/d **PLATES** GRIP Loading (psf) Spacing (loc) TCLL 40.0 Plate Grip DOL 1.00 TC 0.82 Vert(LL) -0.26 22-23 >809 360 MT20 244/190 TCDL Lumber DOL 1.00 вс 10.0 0.75 Vert(CT) -0.35 22-23 >593 240 BCLL YES WB 0.0 Rep Stress Incr 0.53 Horz(CT) 0.04 18 n/a n/a IRC2015/TPI2014 BCDI 5.0 Code Matrix-SH Weight: 132 lb FT = 20%F, 11%E

27-5-6

7-9-0

LUMBER **BRACING**

7-10-8

7-10-8

TOP CHORD TOP CHORD 2x4 SP No.2(flat) Structural wood sheathing directly applied or 6-0-0 oc purlins, except end BOT CHORD 2x4 SP No.1(flat)

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. 2x4 SP No.3(flat) WEBS

OTHERS 2x4 SP No.3(flat)

9-9-4

1₁₋₁₀₋₁₂

REACTIONS 15=280/ Mechanical, (min. 0-1-8), 18=1424/0-3-8, (min. 0-1-8), (lb/size) 24=678/0-3-8, (min. 0-1-8)

Max Unlift 15=-13 (LC 3)

Max Grav 15=370 (LC 4), 18=1424 (LC 1), 24=688 (LC 10)

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

TOP CHORD $2-3=-1943/0,\ 3-4=-2576/0,\ 4-5=-2576/0,\ 5-6=-2576/0,\ 6-7=-1256/0,\ 7-8=0/1365,\ 8-9=0/1365,\ 9-10=0/1365,\ 10-11=-731/332,\ 11-12=-731/332,\ 12-13=-731/332$

BOT CHORD 23-24=0/1495, 22-23=0/2335, 21-22=0/2576, 20-21=0/1840, 19-20=0/1840, 18-19=-3/648, 17-18=-674/441, 16-17=-332/731, 15-16=-121/681

WEBS 7-18=-1934/0, 2-24=-1603/0, 7-19=0/813, 2-23=0/584, 6-19=-790/0, 3-23=-509/0, 6-21=0/915, 3-22=-51/456, 10-18=-1201/0, 13-15=-727/131, 10-17=0/682, 13-16=-269/63,

NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are 1.5x3 MT20 unless otherwise indicated. 2)
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 15.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) CAUTION, Do not erect truss backwards.





Job	Truss	Truss Type	Qty	Ply	PBS\HOLLY FARMHOUSE RH 2ND FLR
72505293	2F2	Truss	9	1	Job Reference (optional)

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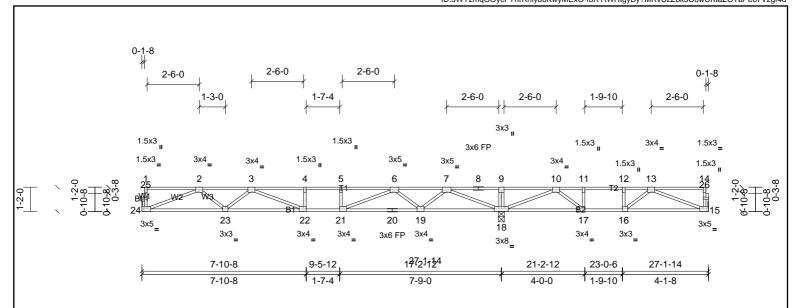


Plate Offsets (X, Y):	[15:0-2-0,Edge], [17:0-1-8,Edge], [21:0-1-8,Edge], [22:0-1-8,Edge], [24:0-2-0,Edge]
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Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.85	Vert(LL)	-0.23	22-23	>879	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.32	22-23	>634	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.05	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 131 lb	FT = 20%F, 11%E

LUMBER BRACING

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

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

REACTIONS 15=278/ Mechanical, (min. 0-1-8), 18=1416/0-3-8, (min. 0-1-8), 24=662/ (lb/size)

Mechanical, (min. 0-1-8) Max Unlift 15=-14 (LC 3)

Max Grav 15=369 (LC 4), 18=1416 (LC 1), 24=674 (LC 10)

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

TOP CHORD $2-3=-1887/0,\ 3-4=-2474/0,\ 4-5=-2474/0,\ 5-6=-2474/0,\ 6-7=-1207/0,\ 7-8=0/1385,\ 8-9=0/1385,\ 9-10=0/1385,\ 10-11=-723/336,\ 11-12=-723/336,\ 12-13=-723/336$

BOT CHORD 23-24=0/1457, 22-23=0/2263, 21-22=0/2474, 20-21=0/1776, 19-20=0/1776, 18-19=-23/610, 17-18=-682/428, 16-17=-336/723, 15-16=-120/678

WEBS $7-18-1908/0,\ 2-24-1562/0,\ 7-19=0/799,\ 2-23=0/560,\ 6-19=-772/0,\ 3-23-490/0,\ 6-21=0/876,\ 3-22-89/425,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-15=-724/130,\ 10-17=0/691,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-16=-275/58,\ 10-18=-1204/0,\ 13-18=-1204/$

NOTES

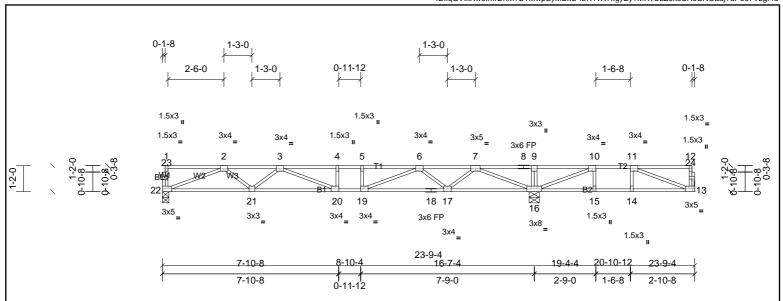
- Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 15.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) CAUTION, Do not erect truss backwards.





Job	Truss	Truss Type	Qty	Ply	PBS\HOLLY FARMHOUSE RH 2ND FLR
72505293	2F3	Truss	3	1	Job Reference (optional)

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[10:0-1-8,Edge], [11:0-1-8,Edge], [13:0-2-0,Edge], [19:0-1-8,Edge], [20:0-1-8,Edge], [22:0-2-0,Edge] Plate Offsets (X, Y):

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	0.73	Vert(LL)	-0.19	20-21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.27	20-21	>741	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.05	16	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 116 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 6-0-0 oc bracing. 2x4 SP No.3(flat) WEBS

OTHERS 2x4 SP No.3(flat)

> 13=156/ Mechanical, (min. 0-1-8), 16=1246/0-5-8, (min. 0-1-8), (lb/size) 22=656/0-3-8, (min. 0-1-8)

Max Unlift 13=-58 (LC 3)

13=258 (LC 4), 16=1246 (LC 1), 22=667 (LC 10) (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

FORCES TOP CHORD $2 - 3 = -1857/0, \ 3 - 4 = -2456/0, \ 4 - 5 = -2456/0, \ 5 - 6 = -2456/0, \ 6 - 7 = -1409/0, \ 7 - 8 = 0/1091, \ 8 - 9 = 0/1091, \ 9 - 10 = 0/1091, \ 10 - 11 = -374/333$

BOT CHORD 21-22=0/1439, 20-21=0/2229, 19-20=0/2456, 18-19=0/1912, 17-18=0/1912, 16-17=0/869, 15-16=-333/374, 14-15=-333/374, 13-14=-3374, 13-14=-374, 13-14=-3744, 13-14=

WEBS 7-16=-1824/0, 2-22=-1542/0, 7-17=0/735, 2-21=0/545, 6-17=-695/0, 3-21=-483/0, 6-19=0/719, 3-20=-87/434, 10-16=-1056/0, 11-13=-395/360

NOTES

REACTIONS

- Unbalanced floor live loads have been considered for this design.
- All plates are 1.5x3 MT20 unless otherwise indicated. 2)

Max Grav

- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 13.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ 4)
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 5)
- 6) CAUTION, Do not erect truss backwards.





Job	Truss	Truss Type	Qty Ply		PBS\HOLLY FARMHOUSE RH 2ND FLR
72505293	2F4	Truss	6	1	Job Reference (optional)

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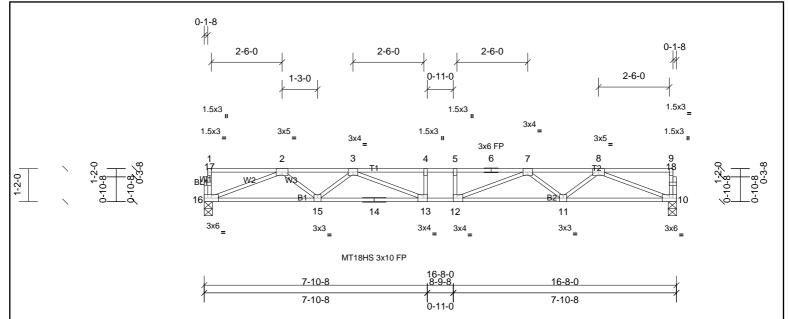


Plate Offsets (X, Y):	ate Offsets (X, Y): [12:0-1-8,Edge] [13:0-1-8,Edge]												
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.21	12-13	>934	360	MT18HS	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.29	12-13	>682	240	MT20	244/190	
BCLL	0.0	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.05	10	n/a	n/a			
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 82 lb	FT = 20%F, 11%E	

LUMBER BRACING

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

WEBS 2x4 SP No.3(flat)

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

REACTIONS (lb/size) 10=717/0-3-8, (min. 0-1-8), 16=717/0-3-8, (min. 0-1-8)

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

 TOP CHORD
 2-3=-2038/0, 3-4=-2851/0, 4-5=-2851/0, 5-6=-2851/0, 6-7=-2851/0, 7-8=-2038/0

BOT CHORD 15-16=0/1563, 14-15=0/2471, 13-14=0/2471, 12-13=0/2851, 11-12=0/2471, 10-11=0/1563 WEBS 8-10=-1676/0, 2-16=-1676/0, 8-11=0/618, 2-15=0/618, 7-11=-564/0, 3-15=-564/0, 7-12=0/590, 3-13=0/590

NOTES

OTHERS

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.

2x4 SP No.3(flat)

- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.





Job	Truss	Truss Type	Qty	Ply	PBS\HOLLY FARMHOUSE RH 2ND FLR
72505293	2F5	Truss	1	1	Job Reference (optional)

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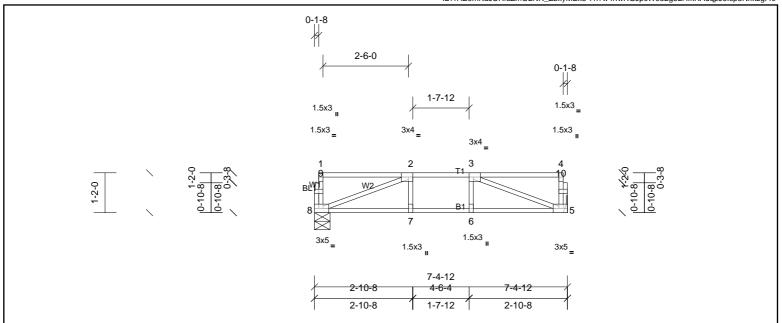


Plate Offsets (X, Y):	tite Offsets (X, Y): [2:0-1-8,Eage], [3:0-1-8,Eage], [5:0-2-0,Eage]													
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP		
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.04	7-8	>999	360	MT20	244/190		
TCDL	10.0	Lumber DOL	1.00	BC	0.28	Vert(CT)	-0.05	7-8	>999	240				
BCLL	0.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	5	n/a	n/a				
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 37 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) 5=309/ Mechanical, (min. 0-1-8), 8=309/0-5-8, (min. 0-1-8)

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

2-3=-547/0

TOP CHORD

BOT CHORD 7-8=0/547, 6-7=0/547, 5-6=0/547 WEBS

3-5=-581/0, 2-8=-581/0

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/
- 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	PBS\HOLLY FARMHOUSE RH 2ND FLR
72505293	2F6	Truss	7	1	Job Reference (optional)

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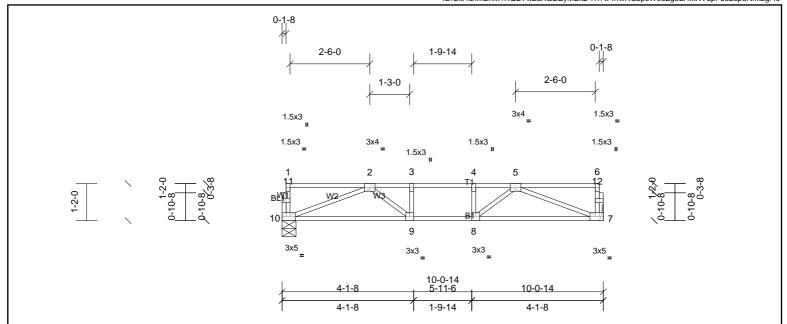


Plate Offsets (X, Y):	ate Offsets (X, Y): [7:0-2-0,Edge]													
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP		
TCLL	40.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.05	9-10	>999	360	MT20	244/190		
TCDL	10.0	Lumber DOL	1.00	BC	0.37	Vert(CT)	-0.08	9-10	>999	240				
BCLL	0.0	Rep Stress Incr	NO	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 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=427/ Mechanical, (min. 0-1-8), 10=427/0-5-4, (min. 0-1-8) **FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-996/0, 3-4=-996/0, 4-5=-996/0

BOT CHORD 9-10=0/828, 8-9=0/996, 7-8=0/828 WEBS 5-7=-885/0, 2-10=-885/0, 5-8=0/331, 2-9=0/331

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





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



Job	Truss	Truss Type	Qty	Ply	PBS\HOLLY FARMHOUSE RH 2ND FLR	
72505293	2F7	Truss	8	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 563	31 S. NC 62, Burlington, NC, Micah Cl	ayton Run: 10.19 S 8.81 S	ep 13 2024 F	Print: 8.810 S	S Sep 13 2024 MiTek Industries, Inc. Fri Feb 28 10:18:47	Page: 1

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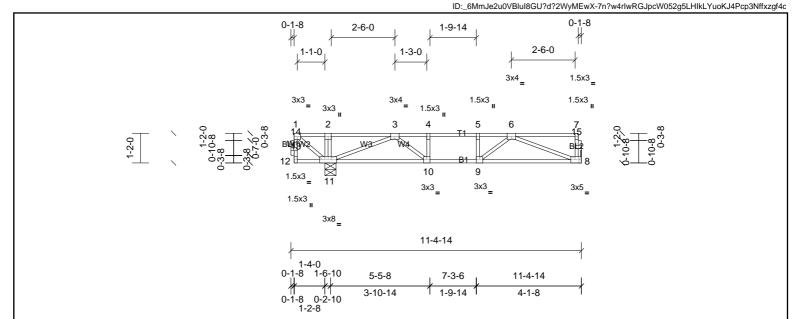


Plate Offsets (A, Y):	[8:0-2-0,Edg												
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	П
TCLL	40.0	Plate Grip DOL	1.00	TC	0.73	Vert(LL)	-0.08	8-9	>999	360	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.44	Vert(CT)	-0.12	8-9	>999	240			
BCLL	0.0	Rep Stress Incr	NO	WB	0.28	Horz(CT)	0.01	8	n/a	n/a			
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH		1					Weight: 58 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 6-0-0 oc bracing. 2x4 SP No.3(flat) WEBS

OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 8=350/ Mechanical, (min. 0-1-8), 11=1120/0-5-4, (min. 0-1-8) Max Grav 8=356 (LC 4), 11=1120 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-2=0/675, 2-3=0/680, 3-4=-663/76, 4-5=-663/76, 5-6=-663/76

TOP CHORD **BOT CHORD** 10-11=-300/333, 9-10=-76/663, 8-9=0/644

WEBS 1-11=-862/0, 3-11=-1019/0, 6-8=-688/0, 3-10=0/546, 4-10=-265/0

NOTES

loto Offooto (V. V.)

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

[0:0 2 0 Edgo]

- 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.
- 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 4)
- to walls at their outer ends or restrained by other means. CAUTION, Do not erect truss backwards. 5)

LOAD CASE(S) Standard

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

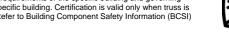
Uniform Loads (lb/ft)

Vert: 8-12=-8, 1-7=-80

Concentrated Loads (lb)

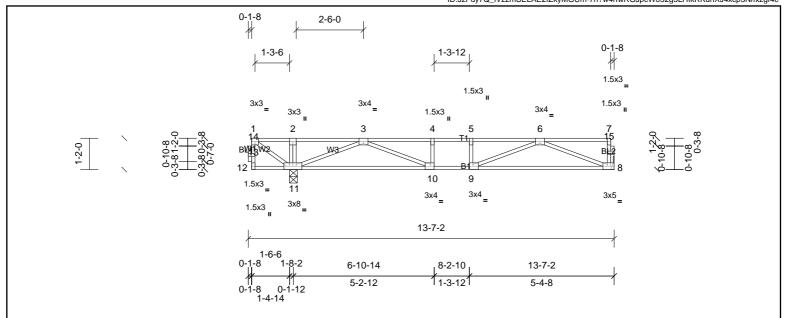
Vert: 1=-500





Job	Truss	Truss Type	Qty	Ply	PBS\HOLLY FARMHOUSE RH 2ND FLR
72505293	2F8	Truss	3	1	Job Reference (optional)

Run: 10.19 S 8.81 Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Feb 28 10:18:47 Page: 1 $ID: JzFdy7Q_IVzzmSELAE2 fZkyMGUm-7n?w4rlwRGJpcW052g5LHlkRKunXJ4xcp3Nffxzgf4c\\$



Loading (p	psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 4	40.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)	-0.10	8-9	>999	360	MT20	244/190
TCDL 1	10.0	Lumber DOL	1.00	BC	0.49	Vert(CT)	-0.17	8-9	>836	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 68 lb	FT = 20%F, 11%E

LUMBER **BRACING**

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

REACTIONS (lb/size) 8=504/ Mechanical, (min. 0-1-8), 11=659/0-3-8, (min. 0-1-8) Max Grav 8=510 (LC 4), 11=659 (LC 1)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 3-4=-1460/0, 4-5=-1460/0, 5-6=-1460/0

BOT CHORD 10-11=0/1015, 9-10=0/1460, 8-9=0/1042 WEBS 3-11=-1081/0, 6-8=-1116/0, 3-10=0/570, 6-9=0/520

NOTES

OTHERS

- 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. CAUTION, Do not erect truss backwards. 4)

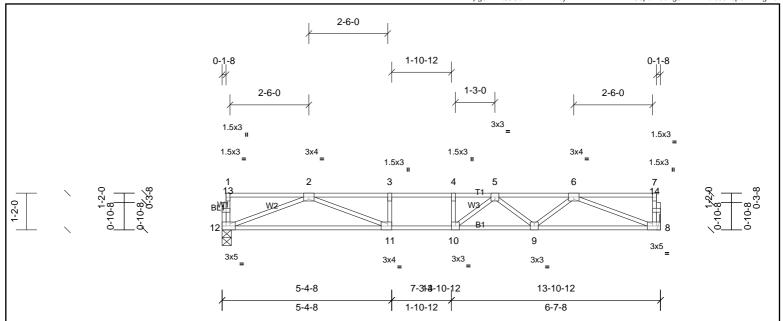
2x4 SP No.3(flat)





Job	Truss	Truss Type	Qty	Ply	PBS\HOLLY FARMHOUSE RH 2ND FLR
72505293	2F9	Truss	3	1	Job Reference (optional)

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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	0.51	Vert(LL)	-0.16	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.20	9-10	>811	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.03	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 67 lb	FT = 20%F, 11%E

LUMBER BRACING

TOP CHORD 2x4 SP No.2(flat)

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

BOT CHORD 2x4 SP No.2(flat)

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc pracing

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)
 8=595/ Mechanical, (min. 0-1-8), 12=595/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-1922/0, 3-4=-1922/0, 4-5=-1922/0, 5-6=-1583/0
BOT CHORD 11-12=0/1252, 10-11=0/1922, 9-10=0/1855, 8-9=0/1262

WEBS 6-8=-1353/0, 2-12=-1342/0, 6-9=0/418, 2-11=0/769, 5-9=-354/0, 5-10=-107/332

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.





Job	Truss	Truss Type	Qty	Ply	PBS\HOLLY FARMHOUSE RH 2ND FLR
72505293	2F10	Truss	3	1	Job Reference (optional)

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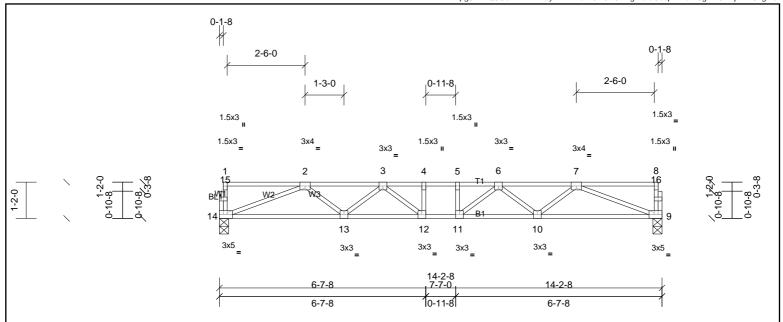


Plate Offsets (X, Y):	[9:0-2-0,Edg	[9:0-2-0,Edge], [14:0-2-0,Edge]										
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.29	Vert(LL)	-0.12	12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.56	Vert(CT)	-0.16	11-12	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 71 lb	FT = 20%F, 11%E

LUMBER BRACING

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

WEBS 2x4 SP No.3(flat)

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

REACTIONS (lb/size) 9=609/0-3-8, (min. 0-1-8), 14=609/0-3-8, (min. 0-1-8)

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

 TOP CHORD
 2-3=-1629/0, 3-4=-2040/0, 4-5=-2040/0, 5-6=-2040/0, 6-7=-1629/0

 BOT CHORD
 13-14=0/1295, 12-13=0/1927, 11-12=0/2040, 10-11=0/1927, 9-10=0/1295

WEBS 7-9=-1388/0, 2-14=-1388/0, 7-10=0/435, 2-13=0/435, 6-10=-388/0, 3-13=-388/0, 6-11=-69/315, 3-12=-69/315

NOTES

OTHERS

Unbalanced floor live loads have been considered for this design.

2x4 SP No.3(flat)

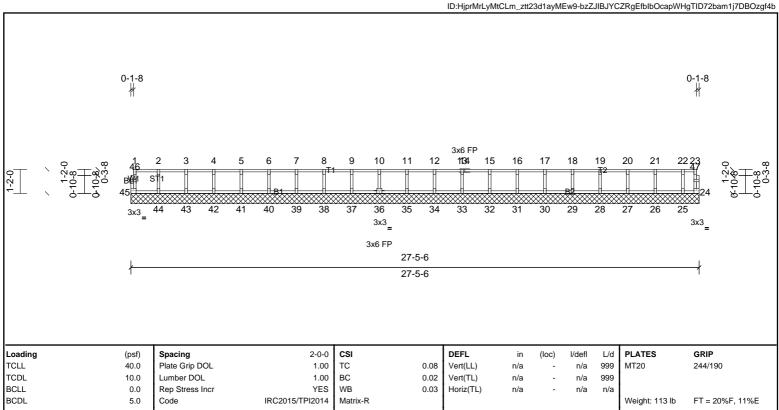
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.







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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)

REACTIONS All bearings 27-5-6

All reactions 250 (lb) or less at joint(s) 24, 25, 26, 27, 28, 29, 30, 31, 32, (lb) - Max Grav

33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

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/
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 6)



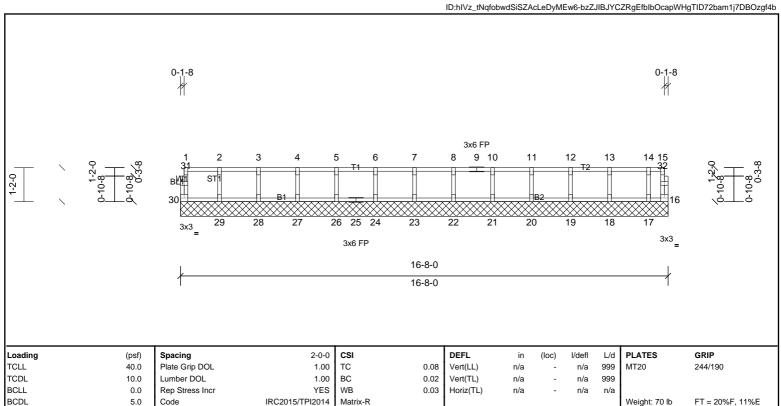
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

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





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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)

REACTIONS All bearings 16-8-0.

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 16, 17, 18, 19, 20, 21, 22, 23, 24,

26, 27, 28, 29, 30

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

NOTES

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



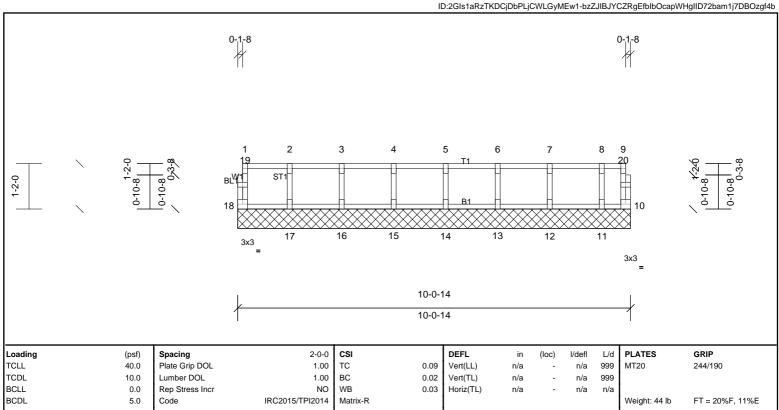
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

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



Job	Truss	Truss Type	Qty	Ply	PBS\HOLLY FARMHOUSE RH 2ND FLR	
72505293	2KW3	Truss	1	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. N	rton Run: 10.19 S 8.81 S	ep 13 2024 F	Print: 8.810 S	S Sep 13 2024 MiTek Industries, Inc. Fri Feb 28 10:18:48	Page: 1	

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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 10-0-14.

(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.

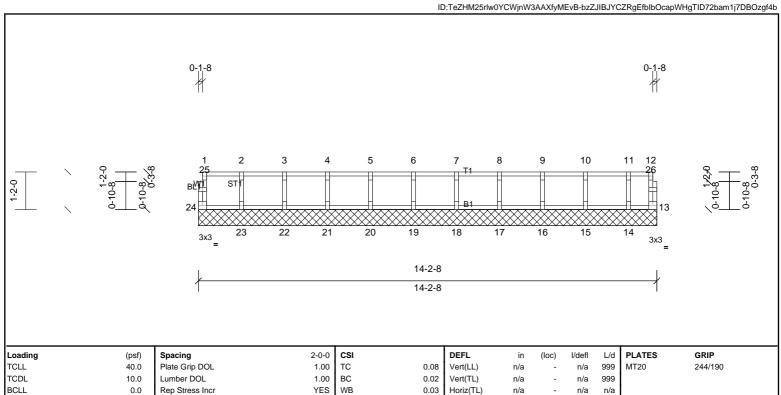
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end

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





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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 14-2-8

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 13, 14, 15, 16, 17, 18, 19, 20, 21,

22, 23, 24

Code

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

NOTES

BCDL

1) All plates are 1.5x3 MT20 unless otherwise indicated.

5.0

- 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/

IRC2015/TPI2014

Matrix-R

BOT CHORD

Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 6)





FT = 20%F, 11%E

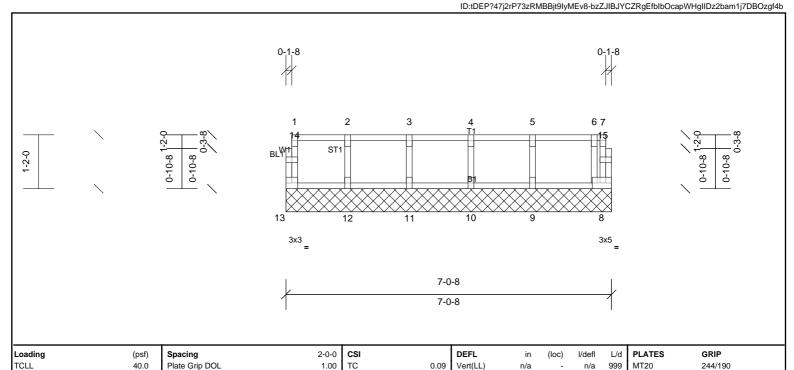
Weight: 60 lb

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	PBS\HOLLY FARMHOUSE RH 2ND FLR	
72505293	2KW5	Truss	1	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S.	yton Run: 10.19 S 8.81 S	ep 13 2024 F	rint: 8.810 S	S Sep 13 2024 MiTek Industries, Inc. Fri Feb 28 10:18:49	Page: 1	

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0.03

0.03

BOT CHORD

Vert(TL)

Horiz(TL)

n/a

n/a 999

n/a n/a

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

Weight: 32 lb

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

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 7-0-8.

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

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

Lumber DOL

Code

Rep Stress Incr

NOTES

TCDL

BCLL

BCDL

All plates are 1.5x3 MT20 unless otherwise indicated. 1)

10.0

0.0

5.0

- 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/

1.00 BC

YES WB

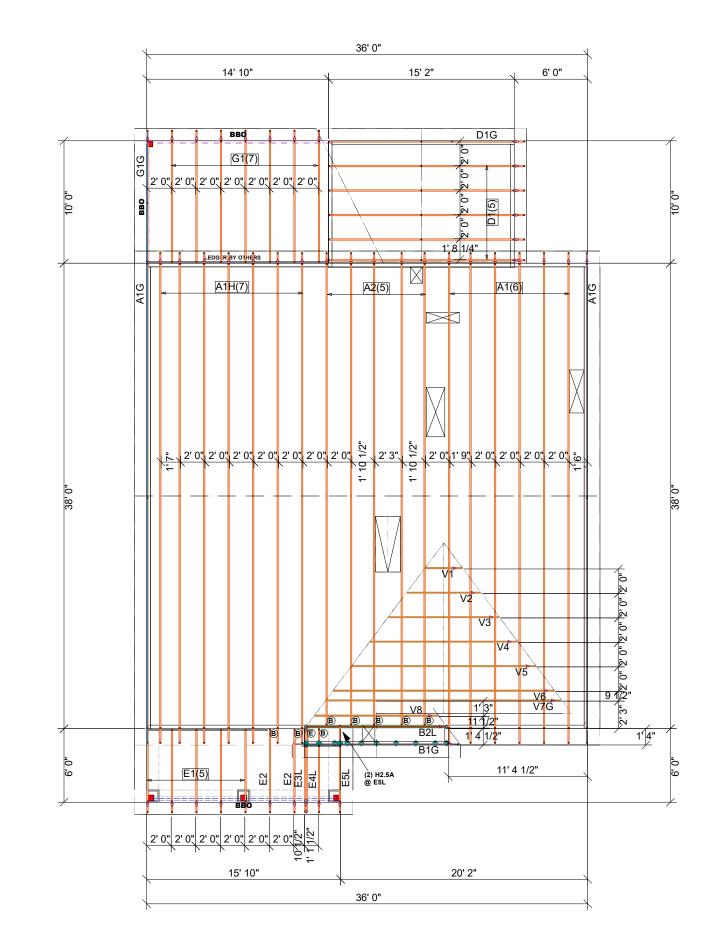
Matrix-R

IRC2015/TPI2014

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.

FT = 20%F, 11%E





ROOF HANGER LIST 8 HUS26 1 HHUS26-2

UNLESS NOTED OTHERWISE USE SINGLE H2.5A TIEDOWN.

PLACEMENT PLAN

VALLEY PBS 2 67. LINE 'FARMHOUSE' ROOF RIDGE HOLLY sqft DSN $\mathfrak{f}\mathfrak{t}^2$ 2251.88

102

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376 BEACON HILL ROAD LILLINGTON, NC 27546

TRUSSING TRANS TRA

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LINES:

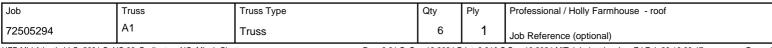
AREA:

ROOF

DESIGNER AM LAYOUT DATE 2-25-25

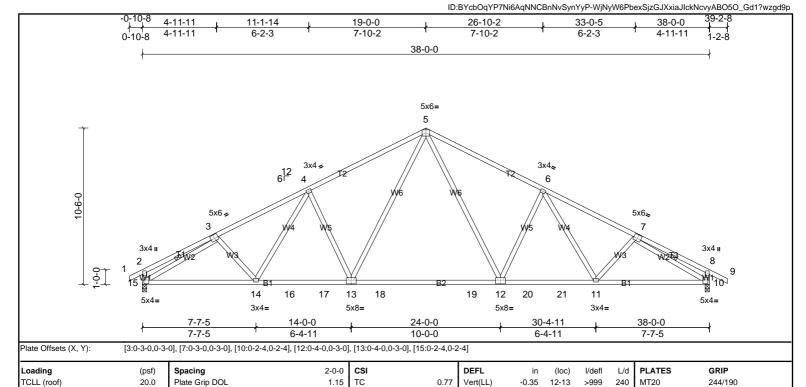
JOB #: 25021433

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Vert(CT)

Horz(CT)

-0.64

0.10

12-13

10

>702

n/a

180

n/a

Structural wood sheathing directly applied, except end verticals.

Weight: 226 lb

FT = 20%

0.81

0.53

LUMBER **BRACING**

TOP CHORD TOP CHORD 2x4 SP No.1 *Except* T1,T3:2x4 SP No.2 BOT CHORD **BOT CHORD** 2x4 SP No.1

Rigid ceiling directly applied or 9-4-1 oc bracing. 2x4 SP No.3 WEBS WEBS 1 Row at midpt 3-15, 7-10

Matrix-MSH

1.15 вс

YES WB

REACTIONS (lb/size) 10=1590/0-3-8, (min. 0-1-14), 15=1569/0-3-8, (min. 0-1-14)

Lumber DOL

Code

Rep Stress Incr

Max Horiz 15=-159 (LC 8) Max Unlift 10=-234 (LC 11), 15=-226 (LC 10)

10.0

0.0

10.0

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

2 - 3 - 369/143, 3 - 4 - 2303/671, 4 - 5 - 2089/707, 5 - 6 - 2088/706, 6 - 7 - 2300/667, 7 - 8 - 345/124, 2 - 15 - 347/192, 8 - 10 - 358/205, 8 - 10 - 358

IRC2015/TPI2014

TOP CHORD **BOT CHORD** 14-15=-440/1989, 14-16=-336/1956, 16-17=-336/1956, 13-17=-336/1956, 13-18=-110/1436, 18-19=-110/1436, 12-19=-110/1436, 12-20=-334/1955, 20-21=-334/1955, 11-21=-334/1956, 11-21=-

10-11=-434/1982 3-15=-2064/536, 7-10=-2082/550, 4-13=-536/321, 5-13=-211/815, 5-12=-210/813, 6-12=-534/319

NOTES

FORCES

WEBS

TCDL

BCLL

BCDI

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, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 226 lb uplift at joint 15 and 234 lb uplift at joint 10.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.

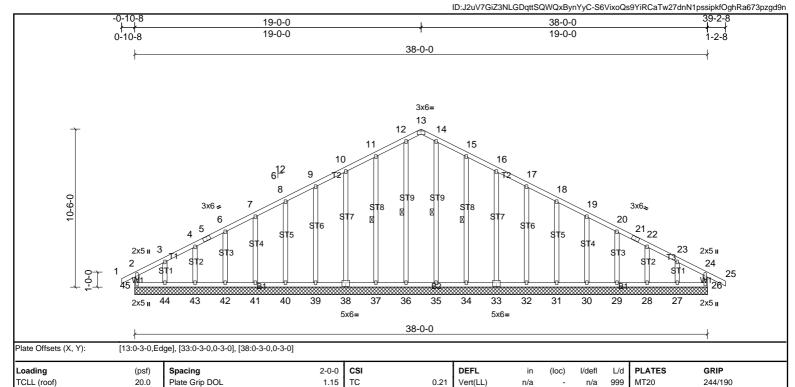






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BRACING

TOP CHORD

WFBS

0.10

0.14

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

Weight: 271 lb

FT = 20%

BOT CHORD

Vert(CT)

Horz(CT)

n/a

0.01

Rigid ceiling directly applied or 6-0-0 oc bracing. 1 Row at midpt 12-36, 14-35, 11-37, 15-34

n/a 999

n/a n/a

26

REACTIONS All bearings 38-0-0

2x4 SP No.2

2x4 SP No.2

2x4 SP No.3

2x4 SP No.3

(lb) - Max Horiz 45=-159 (LC 8)

10.0

0.0

10.0

Lumber DOL

Code

Rep Stress Incr

Max Uplift All uplift 100 (lb) or less at joint(s) 26, 28, 29, 30, 31, 32, 33, 34, 37, 38, 39, 40, 41, 42, 43, 45 except 27=-132 (LC 11), 44=-154 (LC 10) Max Grav All reactions 250 (lb) or less at joint(s) 26, 27, 28, 29, 30, 31, 32, 33, 34,

35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

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

10-11=-110/280, 11-12=-134/347, 12-13=-118/302, 13-14=-118/302, 14-15=-134/347, 15-16=-110/280

1.15 вс

YES WB

Matrix-MR

IRC2015/TPI2014

NOTES

TCDL

BCLL

BCDI

LUMBER

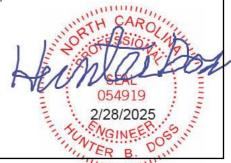
WEBS

OTHERS

TOP CHORD

BOT CHORD

- 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.
- 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) 45, 26, 37, 38, 39, 40, 41, 42, 43, 34, 33, 32, 31, 30, 29, 28 except (jt=lb) 44=154, 27=131.
- 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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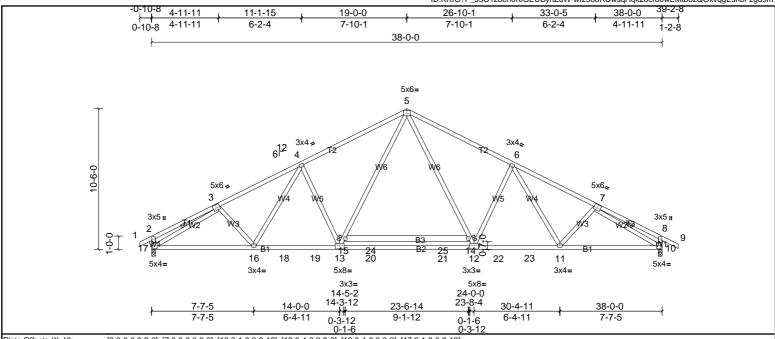
Structural wood sheathing directly applied, except end verticals.

3-17, 7-10

Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

6-0-0 oc bracing: 14-15.

1 Row at midpt



[3:0-3-0,0-3-0], [7:0-3-0,0-3-0], [10:0-1-8,0-2-12], [12:0-4-0,0-3-0], [13:0-4-0,0-3-0], [17:0-1-8,0-2-12] Plate Offsets (X, Y):

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	0.85	Vert(LL)	-0.34	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.66	12-13	>689	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.11	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH	l						Weight: 248 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No.1 *Except* T1.T3:2x4 SP No.2

BOT CHORD 2x4 SP No.1 *Except* B3:2x6 SP No.2 2x4 SP No 3 WEBS

REACTIONS (lb/size) 10=1685/0-3-8, (min. 0-2-0), 17=1664/0-3-8, (min. 0-2-0)

17=-159 (LC 8) Max Horiz

10=-177 (LC 11), 17=-169 (LC 10) Max Unlift Max Grav 10=1713 (LC 2), 17=1695 (LC 2)

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

TOP CHORD 2-3=-381/135, 3-4=-2607/566, 4-5=-2417/593, 5-6=-2416/592, 6-7=-2603/562, 7-8=-358/116, 2-17=-354/187, 8-10=-365/200

16-17=-355/2235, 16-18=-236/2242, 18-19=-236/2242, 13-19=-236/2242, 13-20=-23/1776, 20-21=-23/1776, 12-21=-23/1776, 12-22=-235/2241, 22-23=-235/2241, 11-23=-235

BRACING

WFBS

TOP CHORD

BOT CHORD

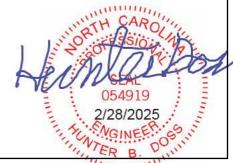
3-17=-2335/442, 7-10=-2350/456, 4-13=-525/327, 13-15=-210/770, 5-15=-155/979, 5-14=-153/978, 12-14=-209/769, 6-12=-524/326

WEBS NOTES

BOT CHORD

- 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.

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 169 lb uplift at joint 17 and 177 lb uplift at joint 10. 5)
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/



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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ID:DnxiDa0N42PAeBza81RCATynYvD-wl2588RUwsqHqk26cr80wEMtm6zQOk3qgEshbFzgd9m -0-10-8 4-11-11 37-8-8 11-1-15 19-0-0 26-10-1 33-0-5 4-11-11 6-2-4 7-10-1 7-10-1 6-2-4 4-8-3 0-10-8 37-8-8 5x6= 5 6¹² 3x4 ڃ 3x4≤ 6 10-6-0 5x6 = 3 2x5 II 3x5 ı 8 B2 12 11 23 19 15 17 18 14 21 22 10 3x5= 3x4= 5x8= 3x3= 3x4= 3x3= 5x8= 14-5-2 24-0-0 14-3-12 23-8-4 14-0-0 23-6-14 30-4-11 37-8-8 6-4-11 9-1-12 6-4-11 7-3-13 0-1-6 0-3-12 0-1-6 Plate Offsets (X, Y): [3:0-3-0,0-3-0], [7:0-3-0,0-3-0], [11:0-4-0,0-3-0], [14:0-4-0,0-3-0]

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	0.84	Vert(LL)	-0.34	11-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.65	11-14	>692	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.11	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 245 lb	FT = 20%

LUMBER BRACING

TOP CHORD TOP CHORD 2x4 SP No.2 *Except* T2:2x4 SP No.1 BOT CHORD **BOT CHORD**

2x4 SP No.1 *Except* B3:2x6 SP No.2 Rigid ceiling directly applied or 6-0-0 oc bracing. 2x4 SP No 3 WEBS WEBS 1 Row at midpt 3-16, 7-9

REACTIONS (lb/size) 9=1591/ Mechanical, (min. 0-1-8), 16=1653/0-3-8, (min. 0-2-0)

16=163 (LC 7) Max Horiz

9=-143 (LC 11), 16=-169 (LC 10) Max Unlift Max Grav 9=1637 (LC 2), 16=1684 (LC 2)

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

TOP CHORD 2-3=-380/135, 3-4=-2585/563, 4-5=-2394/589, 5-6=-2376/586, 6-7=-2519/551, 2-16=-353/187 BOT CHORD

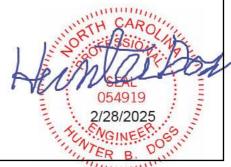
15-16=-403/2209, 15-17=-283/2222, 17-18=-283/2222, 14-18=-283/2222, 14-19=-69/1753, 19-20=-69/1753, 11-20=-69/1753, 11-21=-277/2191, 21-22=-277/2191, 10-22=-277/2191, 21-22=-277

13-14=-211/771, 5-13=-155/980, 5-12=-148/948, 11-12=-204/739, 3-16=-2315/439, 4-14=-526/328, 6-11=-496/321, 7-9=-2366/472

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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between
- the bottom chord and any other members, with BCDL = 10.0psf.

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 169 lb uplift at joint 16 and 143 lb uplift at joint 9. 5)
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/



Structural wood sheathing directly applied, except end verticals.

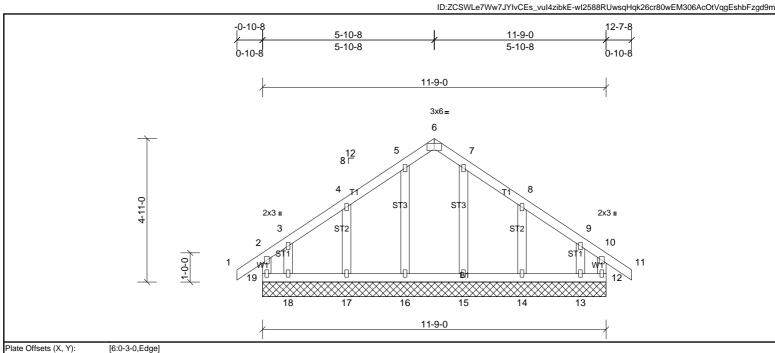






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[6:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR	l						Weight: 65 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 **OTHERS** 2x4 SP No.3

REACTIONS All bearings 11-9-0. (lb) - Max Horiz 19=-146 (LC 8)

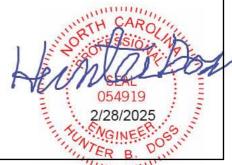
Max Uplift All uplift 100 (lb) or less at joint(s) 12, 14, 17, 19 except 13=-126 (LC 11),

18=-131 (LC 10) Max Grav All reactions 250 (lb) or less at joint(s) 12, 13, 14, 15, 16, 17, 18, 19

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

FORCES NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only.
- 4) All plates are 1.5x3 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc.
- 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
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 12, 17, 14 except (jt=lb) 18=131, 10
- 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.



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





Job Truss Type Professional / Holly Farmhouse - roof Truss Qty Ply B₂L 2 72505294 Truss 1 Job Reference (optional)

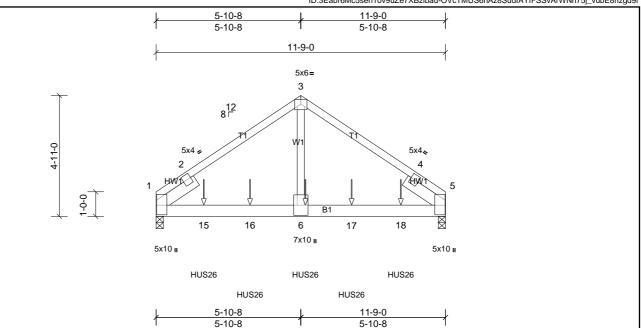
UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton

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Structural wood sheathing directly applied or 5-7-9 oc purlins

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



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	0.37	Vert(LL)	-0.06	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.12	6-9	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 128 lb	FT = 20%

BOT CHORD

LUMBER **BRACING** TOP CHORD

TOP CHORD 2x4 SP No.2 BOT CHORD 2x6 SP SS

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) 1=4382/0-3-8, (min. 0-2-10), 5=4415/0-3-8, (min. 0-2-10) Max Horiz 1=101 (LC 24)

> Max Uplift 1=-441 (LC 8), 5=-444 (LC 9)

Max Grav 1=4435 (LC 2), 5=4470 (LC 2)

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

TOP CHORD 1-2=-4026/449, 2-3=-4582/515, 3-4=-4582/514, 4-5=-3626/397

1-15=-363/3812, 15-16=-363/3812, 6-16=-363/3812, 6-17=-363/3812, 17-18=-363/3812, 5-18=-363/3812 BOT CHORD WFBS

3-6=-442/4849

NOTES

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 - Top chords connected as follows: 2x4 1 row at 0-9-0 oc. Bottom chords connected as follows: 2x6 2 rows staggered at 0-6-0 oc.

 - Web connected as follows: 2x4 1 row at 0-6-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections 2) have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated
- 3) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 441 lb uplift at joint 1 and 444 lb uplift at joint 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/
- Use Simpson Strong-Tie HUS26 (14-16d Girder, 4-16d Truss) or equivalent spaced at 2-3-0 oc max. starting at 1-11-4 from the left end to 9-11-4 to connect truss(es) to back face of bottom chord
- Fill all nail holes where hanger is in contact with lumber. 10

LOAD CASE(S) Standard

Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 1)

Uniform Loads (lb/ft)

Vert: 1-3=-60, 3-5=-60, 7-11=-20

Concentrated Loads (lb)

Vert: 6=-1571, 15=-1571, 16=-1571, 17=-1571, 18=-1571







Job	Truss	Truss Type	Qty	Ply	Professional / Holly Farmhouse - roof
72505294	D1	Truss	5	1	Job Reference (optional)

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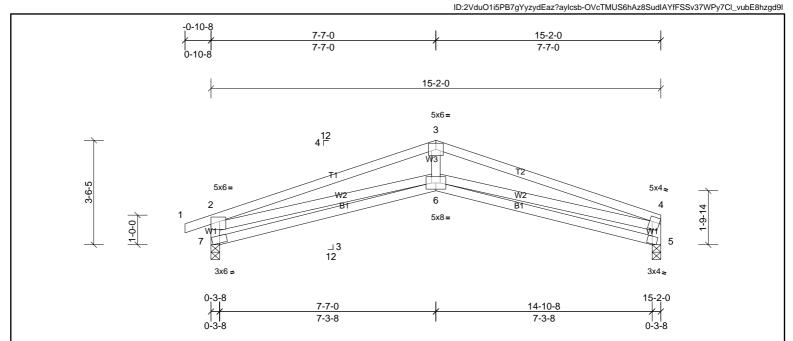


Plate Offsets (X, Y): [2:Edge,0-3-4], [4:Edge,0-2-0], [5:0-2-0,0-1-6], [7:0-3-0,0-1-2]

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	0.80	Vert(LL)	-0.12	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.28	6-7	>644	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.11	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH	l						Weight: 74 lb	FT = 20%

BOT CHORD

LUMBER BRACING TOP CHORD

TOP CHORD 2x4 SP No.2 *Except* T2:2x4 SP No.1 **BOT CHORD** 2x4 SP No.2

WEBS 2x4 SP No.3 *Except* W1:2x4 SP No.2

REACTIONS (lb/size) 5=593/0-3-8, (min. 0-1-8), 7=658/0-3-8, (min. 0-1-8)

7=29 (LC 14) Max Horiz

Max Uplift 5=-94 (LC 7), 7=-138 (LC 6)

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

 $2\hbox{-}3\hbox{--}1831/443,\ 3\hbox{-}4\hbox{--}1826/440,\ 2\hbox{-}7\hbox{--}694/314,\ 4\hbox{-}5\hbox{--}600/232}$

BOT CHORD 6-7=-197/510, 5-6=-111/385

WEBS 3-6=-25/709, 2-6=-145/1200, 4-6=-222/1318

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
- 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) 7, 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 138 lb uplift at joint 7 and 94 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/





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

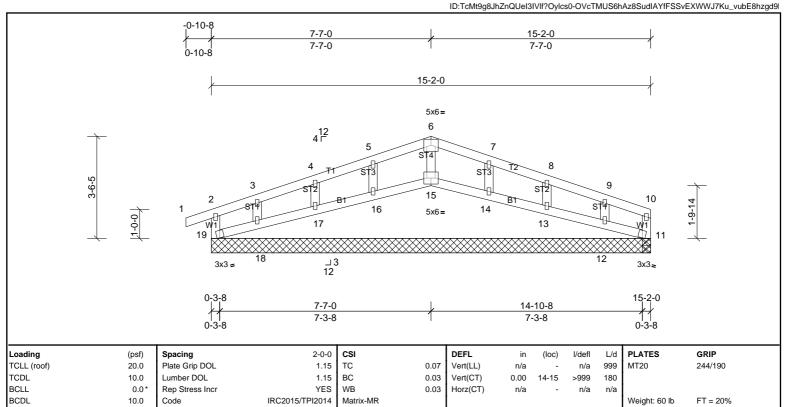
Rigid ceiling directly applied or 10-0-0 oc bracing.





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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 15-2-0.

(lb) - Max Horiz 19=29 (LC 14)

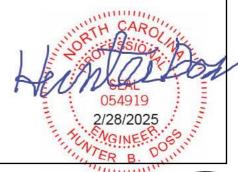
Max Uplift All uplift 100 (lb) or less at joint(s) 11, 12, 13, 14, 16, 17, 18, 19 Max Grav All reactions 250 (lb) or less at joint(s) 11, 12, 13, 14, 15, 16, 17, 18, 19

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

NOTES

7)

- 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. Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web) 5)
- 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.
- 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) 19, 11 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 100 lb uplift at joint(s) 19, 11, 16, 17, 18, 14, 13, 12.
- 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.



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

Rigid ceiling directly applied or 6-0-0 oc bracing.

verticals

BOT CHORD



Job	Truss	Truss Type	Qty	Ply	Professional / Holly Farmhouse - roof
72505294	E1	Truss	5	1	Job Reference (optional)

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-0-10-8 5-11-8 0-10-8 5-11-8 5-11-8 3x3 II 4 12 3 3x4= 3x4 II 0-2-0 5-11-8 5-10-0 5-8-0 0-2-0

Plate Offsets	(X, Y):	[4:Edge,0-2-0]
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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	0.38	Vert(LL)	0.10	4-7	>712	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.08	4-7	>840	180		
BCLL 0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL 10.0	Code IRC:	2015/TPI2014	Matrix-MSH							Weight: 22 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) 2=289/0-3-8, (min. 0-1-8), 4=229/0-1-8, (min. 0-1-8) Max Horiz 2=94 (LC 6)

Max Uplift 2=-130 (LC 6), 4=-114 (LC 6)

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

NOTES

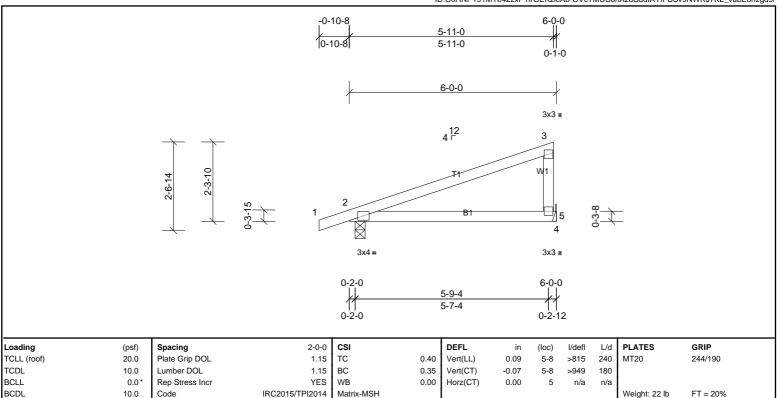
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left exposed; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- 4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 130 lb uplift at joint 2 and 114 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.



Structural wood sheathing directly applied or 5-11-8 oc purlins, except end

Job	Truss	Truss Type	Qty	Ply	Professional / Holly Farmhouse - roof
72505294	E2	Truss	2	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

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

REACTIONS (lb/size) 2=287/0-3-8, (min. 0-1-8), 5=232/ Mechanical, (min. 0-1-8)

Max Horiz 2=93 (LC 6)

2=-129 (LC 6), 5=-110 (LC 6) Max Uplift

Code

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

NOTES

- 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 exposed; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 5 and 129 lb uplift at joint 2.
- 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.





 Job
 Truss
 Truss Type
 Qty
 Ply
 Professional / Holly Farmhouse - roof

 72505294
 Truss
 1
 2
 Job Reference (optional)

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

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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	0.63	Vert(LL)	0.03	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.03	7-10	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.16	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 49 lb	FT = 20%

BOT CHORD

 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

4 SP No.3 (Ib/size) 2=399/0-3-8, (min. 0-1-8), 6=722/ Mechanical, (min. 0-1-8)

Max Horiz 2=104 (LC 10) Max Uplift 2=-183 (LC 6), 6=-310 (LC 7)

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

TOP CHORD 2-3=-573/595, 5-6=-258/291 BOT CHORD 2-7=-648/529, 6-7=-1081/905

WEBS 4-6=-920/1103

NOTES

REACTIONS

- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 - Top chords connected as follows: 2x4 1 row at 0-6-0 oc. Bottom chords connected as follows: 2x4 1 row at 0-9-0 oc
 - Web connected as follows: 2x4 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -0-10-8 to 5-10-4 zone; cantilever left and right exposed; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 310 lb uplift at joint 6 and 183 lb uplift at joint 2.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
- 10) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 683 lb down and 696 lb up at 4-9-9 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

 Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft)

Vert: 1-3=-60, 4-5=-60, 6-8=-20

Concentrated Loads (lb)

Vert: 11=-600



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

verticals, and 2-0-0 oc purlins: 4-7, 4-5.
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	Professional / Holly Farmhouse - roof
72505294	E4L	Truss	1	1	Job Reference (optional)

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-0-10-8 4-7-0 6-0-0 0-10-8 1-5-0 4-7-0 6-0-0 5x6= 3x4 ı 4 T 2x3 II 5 11 7 3x4 = 1.5x3 II 5x4= 4-5-4 6-0-0 4-3-4 1-6-12

Plate Olisets (A, 1).	late Offsets (A, 1). [0.0-2-0,0-2-4]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	0.06	7-10	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.04	7-10	>999	180			
BCLL	0.0*	Rep Stress Incr	NO	WB	0.29	Horz(CT)	-0.01	6	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 24 lb	FT = 20%	

BOT CHORD

LUMBER BRACING 2x4 SP No.2 TOP CHORD

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

2x4 SP No.3 *Except* W1:2x4 SP No.2

REACTIONS (lb/size) 2=378/0-3-8, (min. 0-1-8), 6=643/ Mechanical, (min. 0-1-8) 2=104 (LC 10) Max Horiz

[C·O 2 O O 2 4]

Max Uplift 2=-174 (LC 6), 6=-275 (LC 7)

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

TOP CHORD 2-3=-515/527, 5-6=-236/265 **BOT CHORD** 2-7=-582/472, 6-7=-957/798

4-6=-811/976 WEBS

NOTES

WEBS

Dioto Offosto (V. V)

- 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) -0-10-8 to 5-10-4 zone; cantilever left and right exposed; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 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
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 275 lb uplift at joint 6 and 174 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/
- 8) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments. 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 10 Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 569 lb down and 580 lb up at 4-9-15 on top chord.

The design/selection of such connection device(s) is the responsibility of others. LOAD CASE(S)

Standard

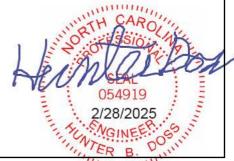
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-3=-60, 4-5=-60, 6-8=-20

Concentrated Loads (lb)

Vert: 11=-500



Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 4-7, 4-5.

Rigid ceiling directly applied or 6-0-14 oc bracing.

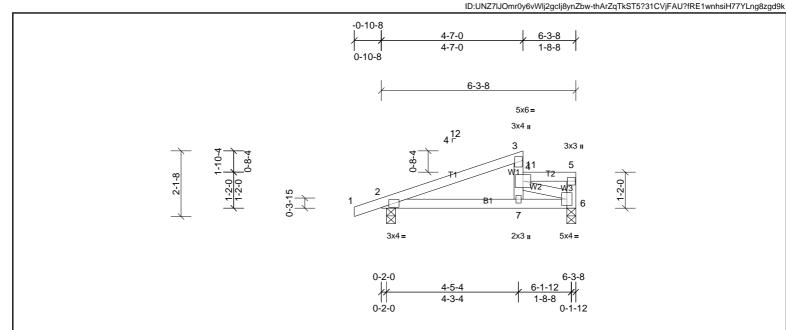




Job	Truss	Truss Type	Qty	Ply	Professional / Holly Farmhouse - roof
72505294	E5L	Truss	1	1	Job Reference (optional)

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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	0.79	Vert(LL)	0.07	7-10	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.05	7-10	>999	180			
BCLL	0.0*	Rep Stress Incr	NO	WB	0.34	Horz(CT)	-0.01	6	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH	ļ						Weight: 26 lb	FT = 20%	

BOT CHORD

LUMBER BRACING TOP CHORD

2=409/0-3-8, (min. 0-1-8), 6=635/0-3-8, (min. 0-1-8)

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

WEBS 2x4 SP No.3 *Except* W1:2x4 SP No.2 (lb/size)

Max Horiz 2=104 (LC 10)

Max Uplift 2=-187 (LC 6), 6=-272 (LC 7)

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

TOP CHORD 2-3=-602/623 BOT CHORD

2-7=-674/556, 6-7=-1151/973 **WEBS** 4-6=-958/1137

NOTES

9)

REACTIONS

- 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) -0-10-8 to 6-1-12 zone; cantilever left and right exposed; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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)
- 6) 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
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 187 lb uplift at joint 2 and 272 lb uplift at joint 6.

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

- 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 10
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 569 lb down and 574 lb up at 4-10-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-3=-60, 4-5=-60, 6-8=-20

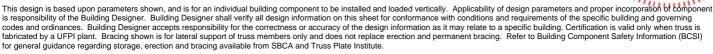
Concentrated Loads (lb)

Vert: 11=-500



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

verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-7, 4-5. Rigid ceiling directly applied or 5-6-7 oc bracing.





Job	Truss	Truss Type	Qty	Ply	Professional / Holly Farmhouse - roof
72505294	G1	Truss	7	1	Job Reference (optional)

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Structural wood sheathing directly applied or 5-9-4 oc purlins, except end

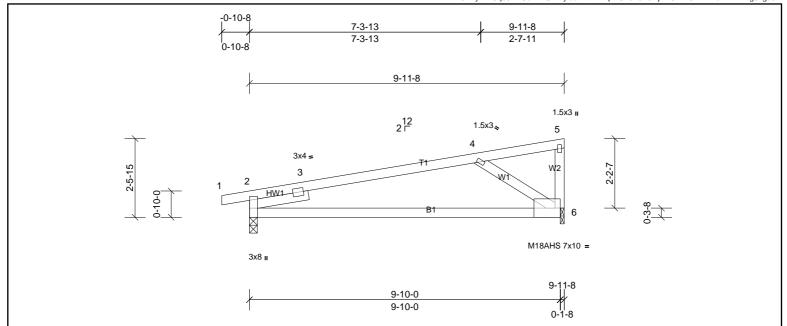


Plate Offsets (X, Y):	[2:0-6-7,Edg	[2:0-6-7,Edge]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	0.44	6-9	>269	240	MT20	244/190		
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.44	6-9	>265	180	M18AHS	186/179		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.15	Horz(CT)	-0.04	2	n/a	n/a				
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 41 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 5-10-11 oc bracing. 2x4 SP No.3 WEBS SLIDER Left 2x4 SP No.3 -- 1-11-0

REACTIONS 2=447/0-3-0, (min. 0-1-8), 6=390/0-1-8, (min. 0-1-8) (lb/size)

Max Horiz 2=74 (LC 6) Max Uplift

2=-203 (LC 6), 6=-183 (LC 6)

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

TOP CHORD 2-3=-777/746, 3-4=-532/453 **BOT CHORD** 2-6=-502/525

WFBS 4-6=-579/506

NOTES

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- All plates are MT20 plates unless otherwise indicated.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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
- 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 203 lb uplift at joint 2 and 183 lb uplift at joint 6. 7)
- 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.







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 $ID: O_Zeesh5hbir8gBNyYVMNAylcnR-thArZqTkST5?31CVjFAU?fROuwrRsnp77YLng8zgd9krander (Control of the Control of$ -0-10-8 9-11-8 9-11-8 0-10-8 9-11-8 1.5x3 _{II} 2¹² 1.5x3 II 7 1.5x3 _{II} 6 1.5x3 _{II} A 5 3x4 = 4 3 ST3 ST2 8 10 1.5x3 II 1.5x3 II 1.5x3 II 1.5x3 ı 3x6 ı 9-11-8 9-10-0 9-10-0 Loading Spacing 2-0-0 CSI DEFL in (loc) I/defI L/d **PLATES** GRIP (psf) TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.16 Vert(LL) 999 244/190 n/a n/a MT20 TCDL 10.0 Lumber DOL 1.15 BC 0.10 Vert(CT) n/a n/a 999 BCLL 0.0 Rep Stress Incr YES WB 0.05 Horz(CT) 0.01 2 n/a n/a BCDL IRC2015/TPI2014 10.0 Matrix-MSH Weight: 42 lb FT = 20% Code

LUMBERBRACINGTOP CHORD2x4 SP No.2TOP CHORD

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

OTHERS 2x4 SP No.3

SLIDER Left 2x4 SP No.3 -- 1-10-0

REACTIONS All bearings 9-11-8.

(lb) - Max Horiz 2=74 (LC 6), 12=74 (LC 6)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 8, 9, 10, 11, 12

Max Grav All reactions 250 (lb) or less at joint(s) 2, 8, 9, 10, 12 except 11=312 (LC 1)

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

NOTES

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only.
- 3) All plates are 1.5x3 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2, 11, 10, 9, 2.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.



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	Professional / Holly Farmhouse - roof
72505294	V1	Truss	1	1	Job Reference (optional)

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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	0.06	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: 8 lb	FT = 20%
				1								

2-11-4

LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 2-11-4 oc purlins. BOT CHORD 2x4 SP No.2 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=118/2-11-4, (min. 0-1-8), 3=118/2-11-4, (min. 0-1-8)

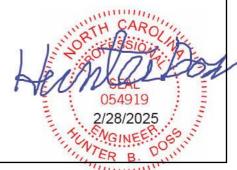
Max Horiz 1=-21 (LC 6)

Max Uplift 1=-16 (LC 10), 3=-16 (LC 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.
- 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.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between
- the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 1 and 16 lb uplift at joint 3.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.







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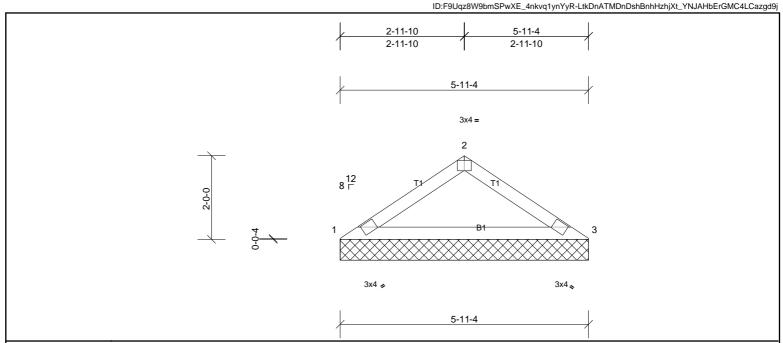


Plate Offsets (X, Y):	[2:0-2-0,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI	1	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(TL)	n/a	-	n/a	999		
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	İ						Weight: 18 lb	FT = 20%

LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 5-11-4 oc purlins. **BOT CHORD** 2x4 SP No.2 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=238/5-11-4, (min. 0-1-8), 3=238/5-11-4, (min. 0-1-8)

Max Horiz 1=-47 (LC 6)

Max Uplift 1=-31 (LC 10), 3=-31 (LC 11)

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

TOP CHORD 1-2=-383/92 **BOT CHORD** 1-3=-67/311

NOTES

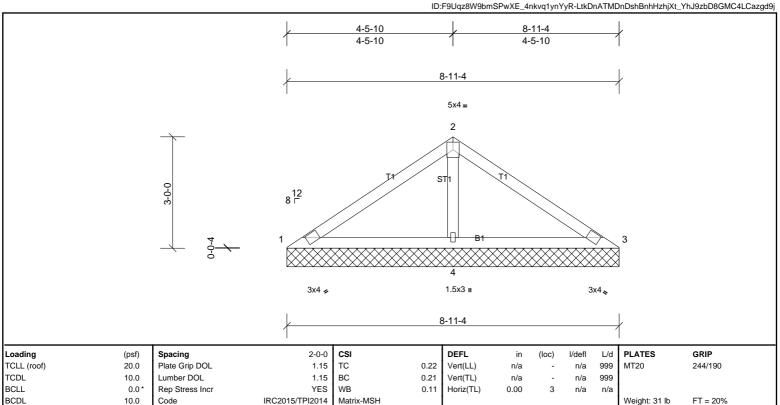
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 2) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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)
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 1 and 31 lb uplift at joint 3.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1







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LUMBER BRACING

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 8-11-4 oc purlins. BOT CHORD 2x4 SP No.2 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

2x4 SP No.3 **OTHERS**

REACTIONS (lb/size) 1=42/8-11-4, (min. 0-1-8), 3=42/8-11-4, (min. 0-1-8), 4=631/8-11-4, (min.

0-1-8) 1=-73 (LC 6) Max Horiz

Max Uplift 1=-14 (LC 22), 3=-16 (LC 6), 4=-94 (LC 10) 1=76 (LC 21), 3=76 (LC 22), 4=631 (LC 1) Max Grav

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

TOP CHORD 1-2=-73/279, 2-3=-73/279

WEBS 2-4=-474/176

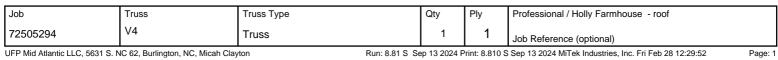
NOTES

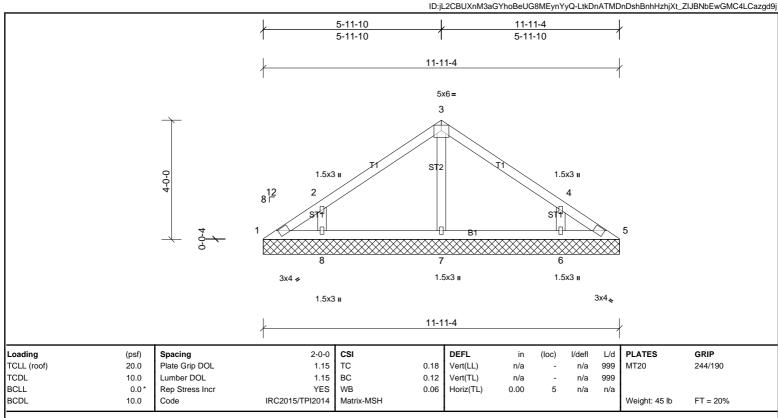
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 2) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left 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
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 1, 16 lb uplift at joint 3 and 94 lb uplift at ioint 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.



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BOT CHORD

LUMBER BRACING 2x4 SP No.2 TOP CHORD

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

2x4 SP No.3

All bearings 11-11-4. (lb) - Max Horiz 1=-99 (LC 8)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5 except 6=-126 (LC 11), 8=-129 (LC

All reactions 250 (lb) or less at joint(s) 1, 5 except 6=319 (LC 18), 7=260 Max Grav

(LC 1), 8=321 (LC 17)

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

WEBS 2-8=-271/191, 4-6=-270/190

NOTES

REACTIONS

- 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
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=128, 6=126.
- 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.

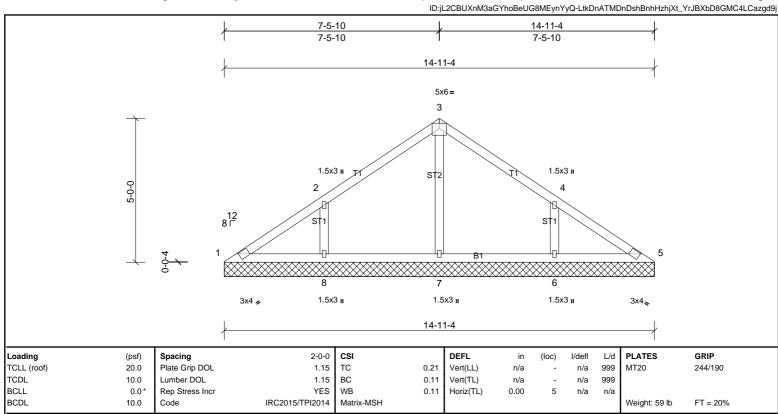
Rigid ceiling directly applied or 10-0-0 oc bracing.





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BOT CHORD

LUMBER BRACING 2x4 SP No.2 TOP CHORD

TOP CHORD 2x4 SP No.2 BOT CHORD

OTHERS 2x4 SP No.3 REACTIONS

All bearings 14-11-4. (lb) - Max Horiz 1=125 (LC 7)

Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=-147 (LC 11), 8=-149 (LC

> All reactions 250 (lb) or less at joint(s) 1, 5 except 6=371 (LC 18), 7=321 (LC 1), 8=373 (LC 17)

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

WEBS 2-8=-277/185, 4-6=-276/184

Max Grav

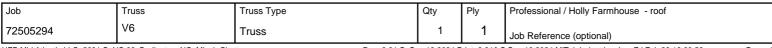
NOTES

- 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
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=149, 6=147. 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.



Structural wood sheathing directly applied or 10-0-0 oc purlins.

Rigid ceiling directly applied or 6-0-0 oc bracing.



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 $ID: jL2CBUXnM3aGYhoBeUG8MEynYyQ-LtkDnATMDnDshBnhHzhjXt_XGJ96bBFGMC4LCazgd9j\\$ 8-11-10 17-11-4 8-11-10 8-11-10 17-11-4 5x6= 3 1.5x3 II 1.5x3 ı 2 s S 8¹² 8 1.5x3 _{II} 1.5x3 _{II} 1.5x3 _{II} 3x4 🌶 3x4 3x6= 17-11-4 Loading Spacing 2-0-0 CSI in I/defl L/d **PLATES** GRIP (psf) (loc) TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.31 Vert(LL) 999 MT20 244/190 n/a n/a TCDL 10.0 Lumber DOL 1.15 BC 0.20 Vert(TL) n/a n/a 999 BCLL 0.0 Rep Stress Incr YES WB 0.23 Horiz(TL) 0.00 n/a n/a BCDL IRC2015/TPI2014 10.0 Matrix-MSH Weight: 73 lb FT = 20% Code

BOT CHORD

LUMBER BRACING TOP CHORD

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

2x4 SP No.3 REACTIONS

All bearings 17-11-4. (lb) - Max Horiz 1=151 (LC 7)

Max Uplift All uplift 100 (lb) or less at joint(s) 1 except 6=-180 (LC 11), 9=-182 (LC All reactions 250 (lb) or less at joint(s) 1, 5 except 6=480 (LC 18), 8=510 Max Grav

(LC 17), 9=482 (LC 17)

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

TOP CHORD 1-2=-126/275

WEBS 3-8=-361/19, 2-9=-326/215, 4-6=-325/214

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 and right exposed; C-C for members and forces & MWFRS 2) for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing. 3)
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 9=182, 6=180.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.



Structural wood sheathing directly applied or 10-0-0 oc purlins.

Rigid ceiling directly applied or 6-0-0 oc bracing.





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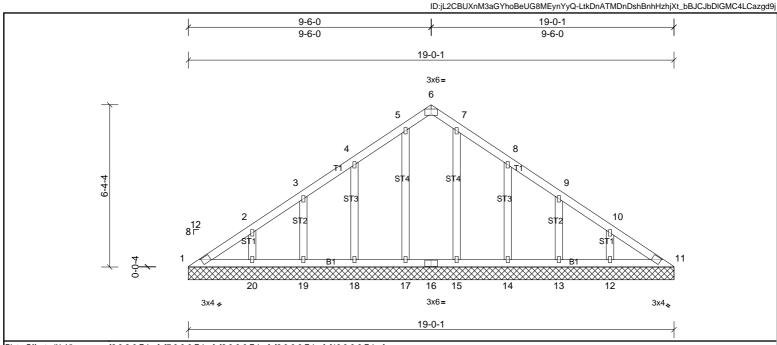


Plate Offsets (X, Y): [6:0-3-0,Edge], [7:0-0-0,Edge], [8:0-0-0,Edge], [9:0-0-0,Edge], [10:0-0-0,Edge]

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	0.06	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	0.07	Horiz(TL)	0.01	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 98 lb	FT = 20%

LUMBER **BRACING**

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

OTHERS 2x4 SP No.3

REACTIONS All bearings 19-0-1.

1=-160 (LC 6) (lb) - Max Horiz

Max Unlift All uplift 100 (lb) or less at joint(s) 1, 12, 13, 14, 17, 18, 19, 20 Max Grav All reactions 250 (lb) or less at joint(s) 1, 11, 12, 13, 14, 15, 17, 18, 19, 20

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) 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
- All plates are 1.5x3 MT20 unless otherwise indicated. 4)
- 5) Gable requires continuous bottom chord bearing
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 17, 18, 19, 20, 14, 13, 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/ 10) TPI 1.



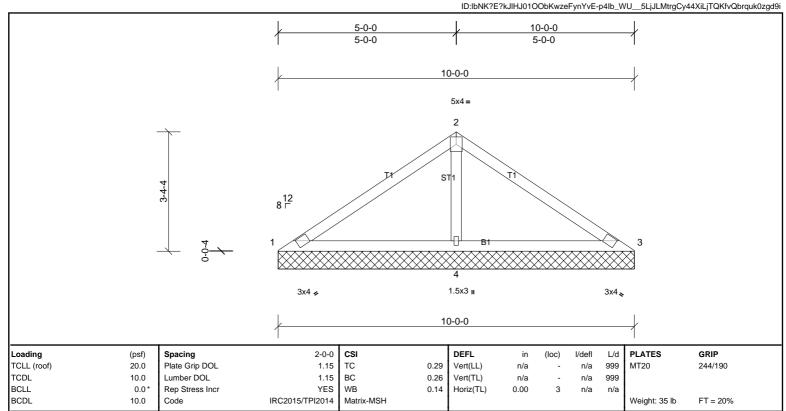
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LUMBER BRACING

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

OTHERS 2x4 SP No.3

REACTIONS (lb/size) 1=30/10-0-0, (min. 0-1-8), 3=30/10-0-0, (min. 0-1-8), 4=740/10-0-0, (min.

0-1-8) Max Horiz 1=-82 (LC 8)

Max Uplift 1=-28 (LC 22), 3=-28 (LC 21), 4=-116 (LC 10) Max Grav 1=72 (LC 21), 3=72 (LC 22), 4=740 (LC 1)

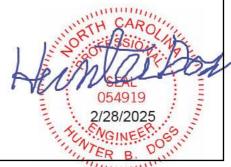
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-95/344, 2-3=-95/344 BOT CHORD 1-4=-280/143, 3-4=-280/143

WEBS 2-4=-568/211

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 1, 28 lb uplift at joint 3 and 116 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/



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