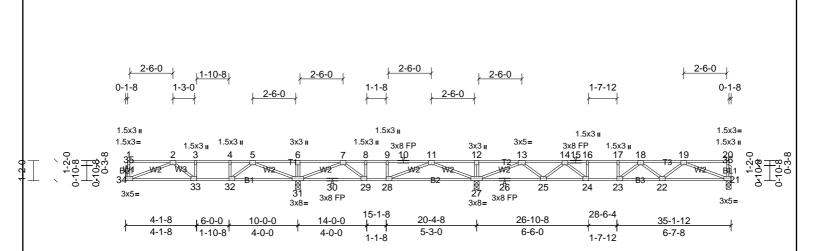
Job	Truss	Truss Type	Qty	Ply	HH Hunt\CHATHAM FRMH A 2ND FL OW	
72423581	FT200	Truss	12	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. N	IC 62, Burlington, NC, Micah Clay	rton Run: 8.73 S	Jan 4 2024 l	Print: 8.730	S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:09 Pa	age: 1

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:09 ID:y3sPYq5TsyrxGJGfp8\_dOxzS4An-8YpCY6D0OIJb9LJLc9Z4XkvwDKRaqhQ5u?Uv?qysvf0



Scale = 1:67.2

Plate Offsets (X, Y):	[21:0-2-0,Ed	ge], [23:0-1-8,Edge], [	24:0-1-8,Edge], [28:0-1-8,Edg	ge], [29:0-1-8,E	dge], [32:0-1-8,I	Edge], [33:0-1	1-8,Edge], [	34:0-2-0,1	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	0.63	Vert(LL)	-0.13	22-23	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.17	22-23	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.03	21	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 171 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 All bearings 0-3-8. except 34= Mechanical

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) except 21=565 (LC 5), 27=1310 (LC 11), 31=918 (LC 3), 34=396 (LC 5)

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

TOP CHORD  $2\cdot 3 = -844/0, 3\cdot 4 = -844/0, 4\cdot 5 = -844/0, 4\cdot 5 = -844/0, 5\cdot 6 = 0/496, 6\cdot 7 = 0/496, 7\cdot 8 = -661/334, 8\cdot 9 = -661/334, 9\cdot 10 = -661/334, 10\cdot 11 = -661/334, 11\cdot 12 = 0/1298, 12\cdot 13 = 0/1298, 13\cdot 14 = -952/42, 14\cdot 15 = -1711/0, 15\cdot 16 = -1711/0, 16\cdot 17 = -1711/0, 17\cdot 18 = -1711/0, 18\cdot 19 = -1471/0$ 

33-34=0/746, 32-33=0/844, 31-32=-2/593, 30-31=-283/501, 29-30=-283/501, 28-29=-334/661, 27-28=-643/303, 26-27=-212/500, 25-26=-212/500, 24-25=0/1394, 23-24=0/1711, 28-29=-34/661, 27-28=-643/303, 26-27=-212/500, 25-26=-212/500, 24-25=0/1394, 23-24=0/1711, 28-29=-34/661, 27-28=-643/303, 26-27=-212/500, 25-26=-212/500, 24-25=0/1394, 23-24=0/1711, 28-29=-34/661, 27-28=-643/303, 26-27=-212/500, 25-26=-212/500, 24-25=0/1394, 23-24=0/1711, 28-29=-34/661, 27-28=-643/303, 26-27=-212/500, 25-26=-212/500, 24-25=0/1394, 23-24=0/1711, 28-29=-34/661, 27-28=-643/303, 26-27=-212/500, 25-26=-212/500, 24-25=0/1394, 23-24=0/1711, 28-29=-34/661, 27-28=-643/303, 26-27=-212/500, 25-26=-212/500, 24-25=0/1394, 23-24=0/1711, 28-29=-34/661, 27-28=-643/303, 26-27=-212/500, 25-26=-212/500, 24-25=0/1394, 23-24=0/1711, 28-29=-34/661, 27-28=-643/303, 26-27=-212/500, 25-26=-212/500, 24-25=0/1394, 23-24=0/1711, 28-29=-34/661, 27-28=-643/303, 26-27=-212/500, 25-26=-212/500, 24-25=0/1394, 23-24=0/1711, 28-29=-34/661, **BOT CHORD** 

22-23=0/1704, 21-22=0/1185 5-31=-950/0, 2-34=-797/0, 5-32=0/425, 11-27=-1175/0, 7-31=-810/11, 11-28=0/617, 7-29=-64/261, 13-27=-1646/0, 19-21=-1270/0, 13-25=0/623, 19-22=0/372, 14-25=-622/0, 13-25=0/623, 19-22=0/372, 14-25=-622/0, 13-25=0/623, 19-22=0/372, 14-25=-622/0, 13-25=0/623, 19-22=0/372, 14-25=-622/0, 13-25=0/623, 19-22=0/372, 14-25=-64/261, 13-27=-1646/0, 19-21=-1270/0, 13-25=0/623, 19-22=0/372, 14-25=-622/0, 13-25=0/623, 19-22=0/372, 14-25=-64/261, 13-27=-1646/0, 19-21=-1270/0, 13-25=0/623, 19-22=0/372, 14-25=-64/261, 13-27=-1646/0, 19-21=-1270/0, 13-25=0/623, 19-22=0/372, 14-25=-64/261, 13-27=-1646/0, 19-21=-1270/0, 13-25=0/623, 19-22=0/372, 14-25=-64/261, 13-27=-1646/0, 19-21=-1270/0, 13-25=0/623, 19-22=0/372, 14-25=-64/261, 13-27=-1646/0, 19-21=-1270/0, 13-25=0/623, 19-22=0/372, 14-25=-64/261, 13-27=-1646/0, 19-21=-1270/0, 13-25=0/623, 19-22=0/372, 14-25=-64/261, 13-27=-1646/0, 19-21=-1270/0, 13-25=0/623, 19-22=0/372, 14-25=-64/261, 13-27=-1646/0, 19-21=-1270/0, 13-25=0/623, 19-22=0/372, 14-25=-64/261, 13-27=-1646/0, 19-21=-1270/0, 13-25=0/623, 19-22=0/372, 14-25=0/623, 19-21=0/62 WEBS

18-22=-303/0, 14-24=0/577, 16-24=-253/0

### NOTES

**FORCES** 

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached
- to walls at their outer ends or restrained by other means 5) CAUTION. Do not erect truss backwards.

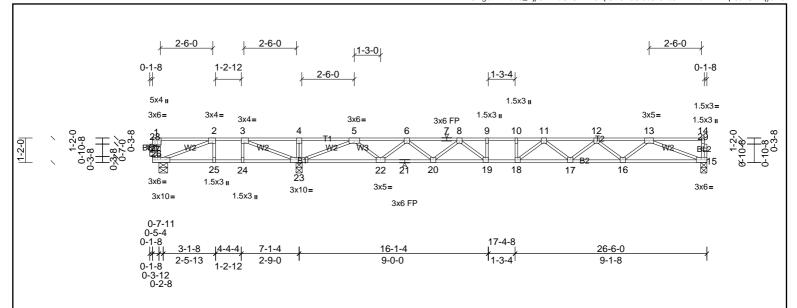




Job	Truss	Truss Type	Qty	Ply	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT201	Truss	1	1	Job Reference (optional)

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:09

Page: 1  $ID: nCDgotAERob5\_Ejp9P41dCzS4Ah-8YpCY6D0OIJb9LJLc9Z4XkvsxKNWqfl5u?Uv?qysvf0\\$ 



Scale = 1:55.1

Plate Offsets (X, Y):	Plate Offsets (X, Y): [1:Eage,0-1-8], [2:0-1-8,Eage], [3:0-1-8,Eage], [27:0-4-8,Eage]													
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP		
TCLL	40.0	Plate Grip DOL	1.00	TC	0.84	Vert(LL)	-0.30	17-18	>781	480	MT20	244/190		
TCDL	10.0	Lumber DOL	1.00	BC	0.98	Vert(CT)	-0.41	17-18	>571	360				
BCLL	0.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.06	15	n/a	n/a				
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 133 lb	FT = 20%F, 11%E		

LUMBER **BRACING** 

TOP CHORD 2x4 SP No.1(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=749/0-3-8, (min. 0-1-8), 23=1506/0-3-8, (min. 0-1-8), 26=34/0-4-15, (lb/size)

> Max Unlift 26=-178 (I C 4)

Max Grav 15=757 (LC 7), 23=1506 (LC 1), 26=221 (LC 3)

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

TOP CHORD  $2 - 3 - 253/711, \ 3 - 4 - 0/1805, \ 4 - 5 = 0/1805, \ 5 - 6 - 1242/0, \ 6 - 7 - 2370/0, \ 7 - 8 - 2370/0, \ 8 - 9 - 3104/0, \ 9 - 10 - 3104/0, \ 10 - 11 - 3104/0, \ 11 - 12 - 2920/0, \ 12 - 13 - 2180/0,$ 

**BOT CHORD** 25-26=-711/253, 24-25=-711/253, 23-24=-711/253, 22-23=0/512, 21-22=0/1930, 20-21=0/1930, 19-20=0/2806, 18-19=0/3104, 17-18=0/3134, 16-17=0/2668, 15-16=0/1661, 12-16=0/1WEBS 3-23=-1424/0, 5-23=-2251/0, 13-15=-1782/0, 5-22=0/976, 13-16=0/676, 6-22=-926/0, 12-16=-635/0, 6-20=0/594, 12-17=0/328, 8-20=-590/0, 11-17=-279/0, 8-19=0/598,

11-18=-291/285, 9-19=-264/0, 2-26=-271/760

#### NOTES

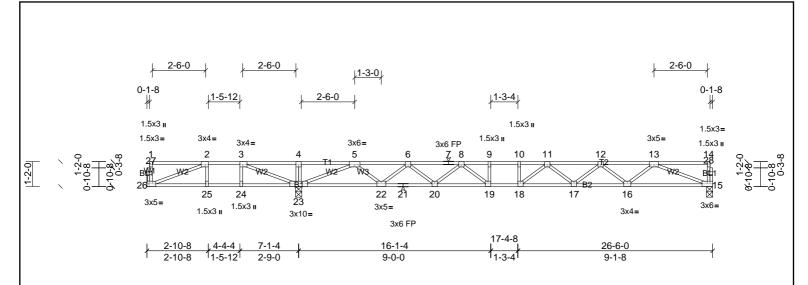
- Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x3 MT20 unless otherwise indicated.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 178 lb uplift at joint 26.
- 4) This truss is designed in accordance with the 2015 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	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT202	Truss	3	1	Job Reference (optional)

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:10 Page: 1 ID:cMax3xF?1eLFi9AyWfBRtTzS4Ab-ckNbmSEe92RSmVuX9s4J3yS2?kjbZ69E7fDSXHysvf?



Scale = 1:54.2

Plate Offsets (X, Y):	Plate Offsets (X, Y): [2:0-1-8,Edge], [3:0-1-8,Edge], [26:0-2-0,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	0.82	Vert(LL)	-0.30	17-18	>766	480	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.99	Vert(CT)	-0.41	17-18	>560	360			
BCLL	0.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.06	15	n/a	n/a			
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 130 lb	FT = 20%F, 11%E	

LUMBER **BRACING** 

TOP CHORD 2x4 SP No.1(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

REACTIONS 15=758/0-3-8, (min. 0-1-8), 23=1474/0-3-8, (min. 0-1-8), 26=68/ (lb/size)

Mechanical, (min. 0-1-8) Max Unlift 26=-145 (LC 4)

Max Grav 15=767 (LC 7), 23=1474 (LC 1), 26=232 (LC 3)

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

TOP CHORD  $2 - 3 - 290/615, \ 3 - 4 - 0/1655, \ 4 - 5 = 0/1655, \ 5 - 6 - 1381/0, \ 6 - 7 = -2488/0, \ 7 - 8 = -2488/0, \ 8 - 9 = -3192/0, \ 9 - 10 = -3192/0, \ 10 - 11 = -3192/0, \ 11 - 12 = -2977/0, \ 12 - 13 = -2216/0$ 

**BOT CHORD**  $25-26=-615/290,\ 24-25=-615/290,\ 23-24=-615/290,\ 22-23=0/663,\ 21-22=0/2058,\ 20-21=0/2058,\ 19-20=0/2912,\ 18-19=0/3192,\ 17-18=0/3203,\ 16-17=0/2714,\ 15-16=0/1685$ WEBS

3-23=-1364/0, 2-26=-305/663, 5-23=-2228/0, 13-15=-1807/0, 5-22=0/963, 13-16=0/691, 6-22=-913/0, 12-16=-649/0, 6-20=0/582, 12-17=0/341, 8-20=-576/0, 11-17=-295/0, 8-19=0/586,

11-18=-279/301, 9-19=-258/0

#### NOTES

**OTHERS** 

- Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x3 MT20 unless otherwise indicated.

2x4 SP No.3(flat)

- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 26.
- 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	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT203	Truss	1	1	Job Reference (optional)

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:10 Page: 1

ID:j8OHMBcpzs7\_imTjGykT5ozS4A7-ckNbmSEe92RSmVuX9s4J3ySBCkycZFhE7fDSXHysvf?

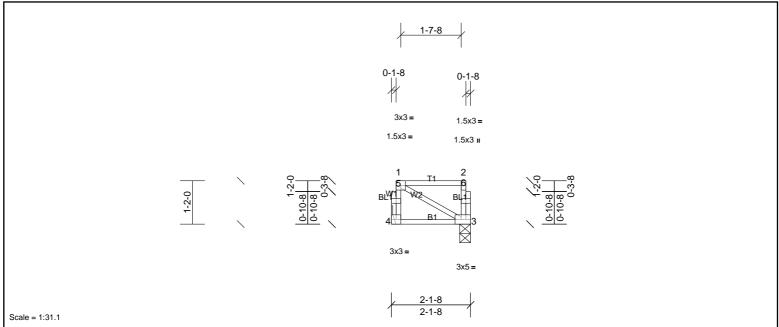


Plate Offsets (X, Y	):	[3:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	0.00	3-4	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 14 lb	FT = 20%F, 11%E

LUMBER BRACING

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

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

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

**REACTIONS** (lb/size) 3=97/0-3-8, (min. 0-1-8), 4=97/ Mechanical, (min. 0-1-8)

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

# NOTES

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

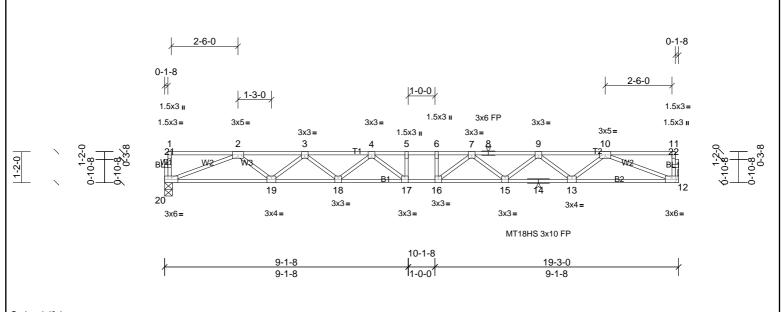


Structural wood sheathing directly applied or 2-1-8 oc purlins, except end





Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:10 ID:nUl6NhNuR0khWrW4fTu0qozS4AQ-ckNbmSEe92RSmVuX9s4J3yS7\_kn\_Z7FE7fDSXHysvf?



Scale = 1:43.4

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	0.50	Vert(LL)	-0.34	16-17	>675	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-0.46	16-17	>491	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.08	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH		l					Weight: 96 lb	FT = 20%F, 11%E

**BOT CHORD** 

LUMBER BRACING TOP CHORD

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

12=831/ Mechanical, (min. 0-1-8), 20=831/0-3-8, (min. 0-1-8)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-2455/0, 3-4=-3362/0, 4-5=-3787/0, 5-6=-3787/0, 6-7=-3787/0, 7-8=-3362/0, 8-9=-3362/0, 9-10=-2455/0

BOT CHORD 19-20=0/1847, 18-19=0/3028, 17-18=0/3673, 16-17=0/3787, 15-16=0/3673, 14-15=0/3028, 13-14=0/3028, 12-13=0/1847

WEBS 10-12=-1982/0, 2-20=-1982/0, 10-13=0/791, 2-19=0/791, 9-13=-746/0, 3-19=-746/0, 9-15=0/434, 3-18=0/434, 7-15=-406/0, 4-18=-406/0, 7-16=-158/414, 4-17=-158/414

NOTES

REACTIONS

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

(lb/size)

- All plates are 3x3 MT20 unless otherwise indicated. 3)
- 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.



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

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

verticals



Job	Truss	Truss Type	Qty	Ply	HH Hunt\CHATHAM FRMH A 2ND FL OW	
72423581	FT205	Truss	3	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. N	IC 62, Burlington, NC, Micah Clay	rton Run: 8.73 S	Jan 4 2024	Print: 8.730	S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:11	Page: 1

ID:vFZRgyljNEWQ7TprPmQ216zS49y-5wxzzoEGvMZJOeTjjabYc9?BJ74mIZPOMJz?4jysvf

2-6-0 2-6-0 2-6-0 0-1-8 0-11-12 0-1-8 2-6-0 2-6-0 2-6-0 1.5x3 i 1.5x3= 1.5x3 <sub>II</sub> 1.5x3 II 15 1<u>6</u> 1.5x3= 1.5x3 II 1.5x3 II 3x3 <sub>II</sub> 3x6= 1.5x3<sub>II</sub> 3x8 FP 3x8 FP 6 8 9 10 11 12 1,3 19 <u>38</u> Ma 1419 AA2 1419 r##1 JAF A42 AAF A42 36 **B1** 26 **製** 33 30 푏 25 35 34 31 28 27 24 3x5= 1.5x3 II 3x5= 3x6= 3x8= 3x10 =3x8 FF 28-2-0 15-5-4 1-9-0 4-1-8 10-11-4 27-2-4 13-8-4 18-2-4 5-8-4 37-3-8 4-1-8 5-3-0 2-9-0 2-9-0 9-0-0 9-1-8 1-6-12 0-11-12

Scale = 1:70.4

Plate Offsets (X, Y): [7:0-1-8,Edge], [8:0-1-8,Edge], [24:0-1-8,Edge], [25:0-1-8,Edge], [34:0-1-8,Edge], [35:0-1-8,Edge], [36:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.91	Vert(LL)	-0.28	23-24	>810	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.93	Vert(CT)	-0.38	23-24	>593	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.05	21	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 182 lb	FT = 20%F, 11%E

LUMBER **BRACING** 

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

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 All bearings 0-3-8. except 21= Mechanical

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) except 21=732 (LC 4), 29=1375 (LC 4), 33=864 (LC 3), 36=399 (LC 3)

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

TOP CHORD  $2\cdot 3 = -880/85, 3\cdot 4 = -880/85, 4\cdot 5 = -880/85, 4\cdot 5 = -860/1235, 6\cdot 7 = 0/1235, 7\cdot 8 = -21/1351, 8\cdot 9 = 0/1950, 9\cdot 10 = 0/1950, 10\cdot 11 = 0/1950, 11\cdot 12 = -1029/0, 12\cdot 13 = -2165/0, 13\cdot 14 = -2165/0, 14\cdot 15 = -2888/0, 15\cdot 16 = -2888/0, 16\cdot 17 = -2888/0, 15\cdot 16 =$ 

 $35-36=0/759, \ 34-35=-85/880, \ 33-34=-478/369, \ 32-33=-1351/21, \ 31-32=-1351/21, \ 30-31=-1351/21, \ 29-30=-1351/21, \ 28-29=-202/298, \ 27-28=0/1724, \ 26-27=0/2600, \ 25-26=0/2600, \$ 24-25=0/2888, 23-24=0/2948, 22-23=0/2543, 21-22=0/1598

6-33=-261/0, 5-33=-1250/0, 2-36=-811/0, 5-34=0/746, 7-33=-497/283, 8-29=-987/0, 11-29=-2220/0, 19-21=-1714/0, 11-28=0/969, 19-22=0/635, 12-28=-926/0, 18-22=-594/0,

12-27=0/594, 18-23=0/288, 14-27=-586/0, 14-25=0/575, 17-24=-320/226

# WEBS NOTES

**FORCES** 

**BOT CHORD** 

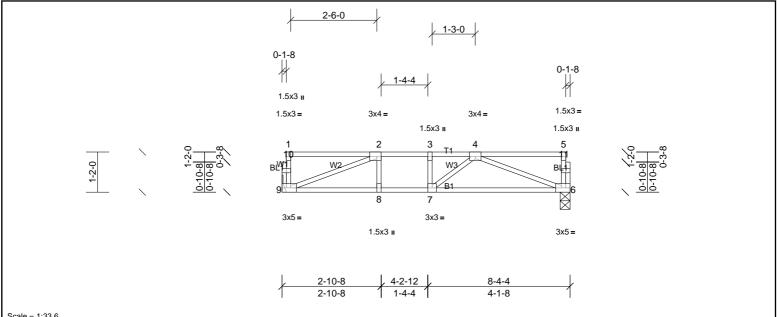
- Unbalanced floor live loads have been considered for this design. 1)
- All plates are 3x4 MT20 unless otherwise indicated. 2)
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached
- o walls at their outer ends or restrained by other means 5) CAUTION. Do not erect truss backwards.





Job	Truss	Truss Type	Qty	Ply	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT206	Truss	1	1	Job Reference (optional)

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:11  $ID:gF\_cC3QPVFE6?TqruJzy\_dzS4AM-5wxzzoEGvMZJOeTjjabYc9?KD7ESIfpOMJz?4jysvf\_dxS4AM-5wxzzoEGvMZJOeTjjabYc9?4jysvf\_dxS4AM-5wxzzoEGvMZJOeTjjabYc9?4jysvf\_dxS4AM-5wxzzoEGvMZJOeTjjabYc9?4jysvf\_dxS4AM-5wxzzoEGvMZJOeTjjabYc9?4jysvf\_dxS4AM-5wxzzoEGvMZJOeTjjabYc9?4jysvf\_dxS4AM-5wxzzoEGvMZJOeTjjabYc9?4jysvf\_dxS4AM-5wxzzoEGvMZJOeTjjabYc9?4jysvf\_dxS4AM-5wxzzoEGvMZJOeTjjabYc9?4jysvf_dxS4AM-5wxzzoEGvMZJOeTjjabYc9?4jysvf_dxS4AM-5wxzzoEGvMZJOeTjjabYc9?4jysvf_dxS4AM-5wxzzoEGvMZJOeTjjabYc9?4jysvf_dxS4AM-5wxzzoEGvMZJOeTjjabYc9?4jysvf_dxS4AM-5wxzyoEff_dxS4AM-5wxzyoEff_dxS4AM-5wxzyoEff_dxS4AM-5wxzyoEff_dxS4AM-5wxzyoEff_dxS4AM-5wxzyoEff_dxS4AM-5wxzyoEff_dxS4AM-5wxzyoEff_dxS4AM-5wxzyoEff_dxS4AM-5wxzyoEff_dxS4AM-5wxzyoEff_dxS4AM-5wxzyoEff_dxS4AM-5wxzyoEff_dxS4AM-5wxzyoEff_dxS4AM-5wxzyoEff_dxS4AM-5wxzyoEff_dxS4$ 



Scale = 1:33.6

Plate Offsets (X, Y):	[2:0-1-8,Edg	e], [6:0-2-0,Edge], [9:0-	2-0,Edge]									
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	-0.05	6-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.31	Vert(CT)	-0.08	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 42 lb	FT = 20%F, 11%E

LUMBER **BRACING** 

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

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

OTHERS 2x4 SP No.3(flat) REACTIONS (lb/size) 6=352/0-3-7, (min. 0-1-8), 9=352/ Mechanical, (min. 0-1-8)

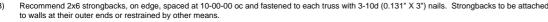
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-676/0, 3-4=-676/0

**BOT CHORD** 8-9=0/676, 7-8=0/676, 6-7=0/642 WEBS 4-6=-685/0, 2-9=-720/0

#### NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached





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



Page: 1

Job	Truss	Truss Type	Qty	Ply	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT207	Truss	4	1	Job Reference (optional)

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:11 Page: 1
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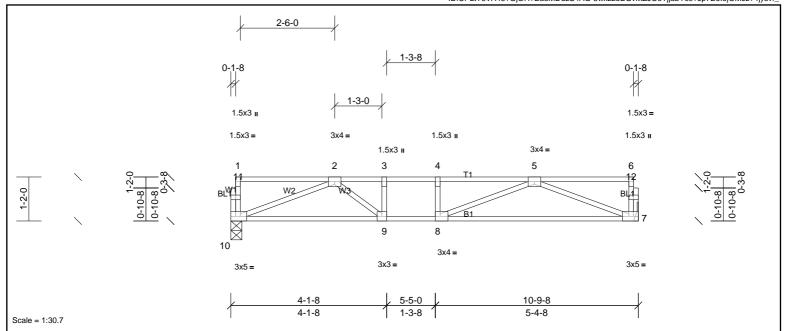


Plate Offsets (X, Y):	[7:0-2-0,Edg	ge], [8:0-1-8,Edge], [10:0	)-2-0,Edge]									
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.43	Vert(LL)	-0.09	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.46	Vert(CT)	-0.17	7-8	>762	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 54 lb	FT = 20%F, 11%E

LUMBER BRACING

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

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

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

 REACTIONS
 (lb/size)
 7=459/ Mechanical, (min. 0-1-8), 10=459/0-3-8, (min. 0-1-8)

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

 TOP CHORD
 2-3=-1164/0, 3-4=-1164/0

TOP CHORD 2-3=-1164/0, 3-4=-1164/0, 4-5=-1164/0
BOT CHORD 9-10=0/915, 8-9=0/1164, 7-8=0/911
WEBS 5-7=-975/0, 2-10=-979/0, 5-8=0/363, 2-9=0/415

#### NOTES

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



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



Job	Truss	Truss Type	Qty	Ply	HH Hunt\CHATHAM FRMH A 2ND FL OW
72423581	FT208	Truss	4	1	Job Reference (optional)

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:11 ID:YIIYcEhaYiu80hxtdDrtK3zS4A1-5wxzzoEGvMZJOeTjjabYc9?Ij7BLIeZOMJz?4jysvf

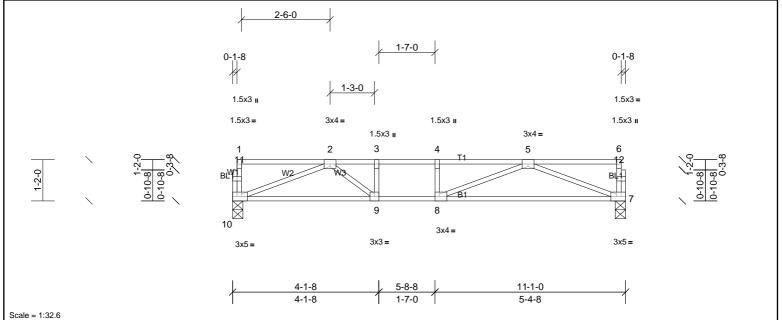


Plate Offsets (X, Y): [7:0-2-0,Edge], [8:0-1-8,Edge], [10:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.50	Vert(LL)	-0.11	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.51	Vert(CT)	-0.19	7-8	>684	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 54 lb	FT = 20%F, 11%E

LUMBER **BRACING** 

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

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

REACTIONS (lb/size) 7=472/0-3-8, (min. 0-1-8), 10=472/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-1222/0, 3-4=-1222/0, 4-5=-1222/0 **BOT CHORD** 9-10=0/947, 8-9=0/1222, 7-8=0/943

WEBS 5-7=-1009/0, 2-10=-1013/0, 5-8=0/398, 2-9=0/454

#### 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



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



Page: 1

Job	Truss	Truss Type	Qty	Ply	HH Hunt\CHATHAM FRMH A 2ND FL OW	
72423581	FT209	Truss	1	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. N	NC 62, Burlington, NC, Micah Clay	rton Run: 8.73 S	Jan 4 2024 I	Print: 8.730	S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:12	age: 1

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Tue Jul 30 10:59:12

7-6-8

2-10-8

ID:rM9mWqZlvddYq9Ay17fXwyzS4AB-5wxzzoEGvMZJOeTjjabYc9?IC7DglfgOMJz?4jysvf\_ 2-6-0 0-1-8 0-1-8 1.5x3 II 1.5x3 = 3x4 = 1.5x3 II 3x4 = 2 B1 6 1.5x3 II 3x5 = 1.5x3 II 3x5 =

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.05	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.36	Vert(CT)	-0.06	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 38 lb	FT = 20%F, 11%E

4-8-0

1-9-8

2-10-8

2-10-8

LUMBER **BRACING** 

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

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

REACTIONS (lb/size) 5=395/0-3-8, (min. 0-1-8), 8=395/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-706/0 **BOT CHORD** 

2x4 SP No.3(flat)

7-8=0/706, 6-7=0/706, 5-6=0/706 WEBS 3-5=-750/0, 2-8=-750/0

#### NOTES

OTHERS

Scale = 1:29.6

- 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







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ID:YCerL\_swZpJnsFkpexdwajzS4B5-Z7VLA8Fuggh90o2vHH6n8NXaMXdE19jXaziZb9ysvez 0-1-8 0-1-8 3x8 FP 10 16 3x3= 3x8 FP 3x8 FF 35-1-12 35-1-12 Scale = 1:67.2 Loading (psf) Spacing 1-7-3 CSI DEFL in (loc) I/defI L/d PLATES TCLL 40.0 Plate Grip DOL 1.00 TC 0.06 Vert(LL) 999 MT20 244/190 n/a n/a TCDL 10.0 Lumber DOL 1.00 BC 0.02 Vert(TL) n/a n/a 999 BCLL 0.0 Rep Stress Incr YES WB 0.03 Horiz(TL) n/a n/a

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 35-1-12.

(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) 31

Code

All reactions 250 (lb) or less at joint(s) 31, 32, 33, 34, 35, 36, 37, 38, 39, Max Grav 40, 41, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59

FORCES NOTES

BCDL

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

- 2)
- All plates are 1.5x3 MT20 unless otherwise indicated.

5.0

- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 31. 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/

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 7) to walls at their outer ends or restrained by other means





FT = 20%F, 11%E

Weight: 145 lb

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

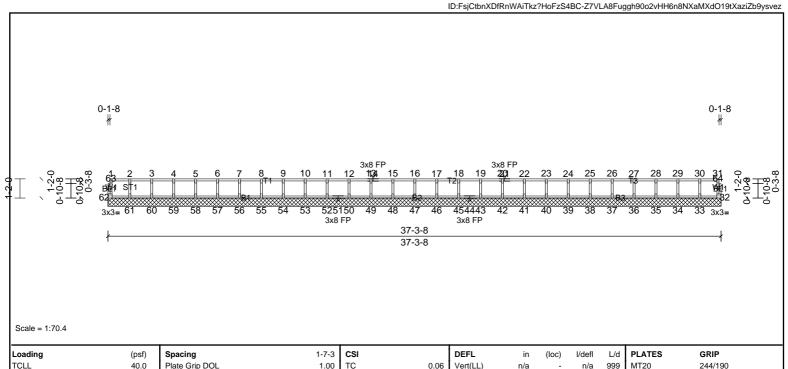
Rigid ceiling directly applied or 10-0-0 oc bracing.



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Page: 1

FT = 20%F, 11%E



0.01

0.02

**BOT CHORD** 

Vert(TL)

Horiz(TL)

n/a

verticals

n/a 999

n/a

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

Weight: 152 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 37-3-8

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 32, 33, 34, 35, 36, 37, 38, 39, 40,

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

41, 42, 43, 45, 46, 47, 48, 49, 50, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62

1.00 BC

YES WB

Matrix-R

IRC2015/TPI2014

## **FORCES** NOTES

TCDL

BCLL

BCDL

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

10.0

0.0

5.0

Lumber DOL

Code

Rep Stress Incr

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



