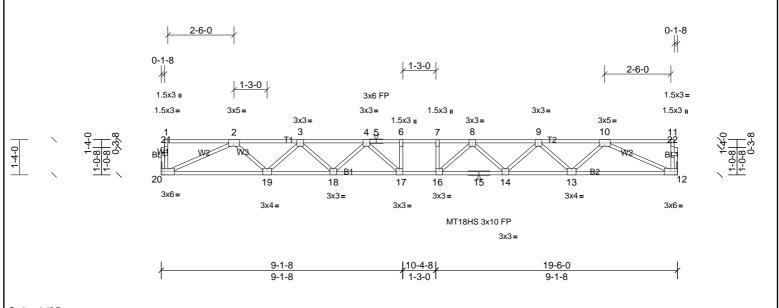


Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Mon Jun 05 12:35:07 



Scale = 1:43.7

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	0.41	Vert(LL)	-0.28	16-17	>816	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.90	Vert(CT)	-0.39	16-17	>595	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.08	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 99 lb	FT = 20%F, 11%E

**BOT CHORD** 

LUMBER BRACING TOP CHORD

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

12=841/ Mechanical, (min. 0-1-8), 20=841/ Mechanical, (min. 0-1-8)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-2154/0, 3-4=-2957/0, 4-5=-3351/0, 5-6=-3351/0, 6-7=-3351/0, 7-8=-3351/0, 8-9=-2957/0, 9-10=-2154/0

BOT CHORD 19-20=0/1618, 18-19=0/2659, 17-18=0/3237, 16-17=0/3351, 15-16=0/3237, 14-15=0/3237, 13-14=0/2659, 12-13=0/1618

WEBS 10-12=-1776/0, 2-20=-1776/0, 10-13=0/745, 2-19=0/745, 9-13=-702/0, 3-19=-702/0, 9-14=0/415, 3-18=0/415, 8-14=-390/0, 4-18=-390/0, 8-16=-140/416, 4-17=-140/416

## 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.

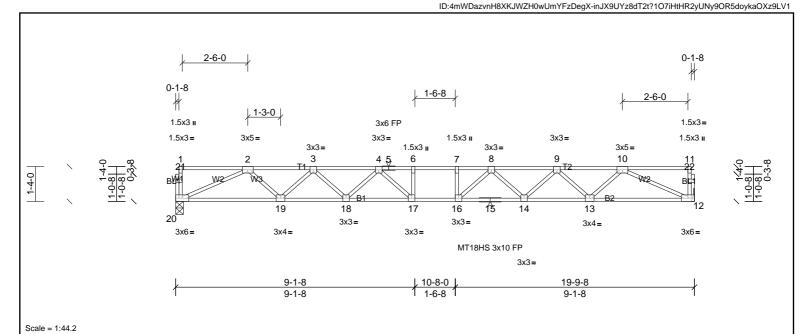
verticals



Job	Truss	Truss Type	Qty	Ply	PBS\MITHFIELD ENG CNTRY LH 2ND
72319926	F201	Truss	4	1	Job Reference (optional)

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18 Page: 1



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	0.52	Vert(LL)	-0.30	16-17	>784	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.41	16-17	>571	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.08	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH		l					Weight: 100 lb	FT = 20%F, 11%E

 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)

BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

verticals

REACTIONS (lb/size) 12=854/ Mechanical, (min. 0-1-8), 20=854/0-3-8, (min. 0-1-8)

FORCES (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. TOP CHORD 2-3=-2195/0, 3-4=-3024/0, 4-5=-3449/0, 5-6=-3449/0, 6-7=-3449/0, 7-8=-3449/0, 6-7=-3449/0, 6-

TOP CHORD 2-3=-2195/0, 3-4=-3024/0, 4-5=-3449/0, 5-6=-3449/0, 6-7=-3449/0, 7-8=-3449/0, 8-9=-3024/0, 9-10=-2195/0
BOT CHORD 19-20=0/1646, 18-19=0/2713, 17-18=0/3317, 16-17=0/3449, 15-16=0/3317, 14-15=0/3317, 13-14=0/2713, 12-13=0/1646

WEBS 10-12=-1807/0, 2-20=-1807/0, 10-13=0/764, 2-19=0/764, 9-13=-721/0, 3-19=-721/0, 9-14=0/433, 3-18=0/433, 8-14=-407/0, 4-18=-407/0, 8-16=-131/457, 4-17=-131/457

## NOTES

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

054919 6/5/2023 NGINEER B

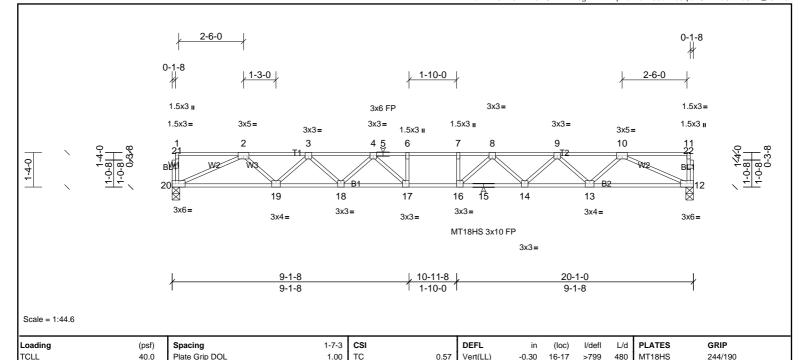
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end





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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.1(flat)

Matrix-SH

0.74

0.51

**BOT CHORD** 

Vert(CT)

Horz(CT)

-0.41

0.07

16-17

12

>582

n/a

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

360 MT20

Weight: 101 lb

244/190

FT = 20%F, 11%E

1.00 BC

YES WB

IRC2015/TPI2014

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

REACTIONS (lb/size) 12=867/0-3-8, (min. 0-1-8), 20=867/0-3-8, (min. 0-1-8)

Lumber DOL

Code

Rep Stress Incr

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

TOP CHORD 2-3=-2236/0, 3-4=-3091/0, 4-5=-3548/0, 5-6=-3548/0, 6-7=-3548/0, 7-8=-3548/0, 8-9=-3091/0, 9-10=-2236/0 BOT CHORD 19-20=0/1673, 18-19=0/2767, 17-18=0/3397, 16-17=0/3548, 15-16=0/3397, 14-15=0/3397, 13-14=0/2767, 12-13=0/1673

WFBS 10-12=-1837/0, 2-20=-1837/0, 10-13=0/782, 2-19=0/782, 9-13=-740/0, 3-19=-740/0, 9-14=0/451, 3-18=0/451, 8-14=-425/0, 4-18=-425/0, 8-16=-118/496, 4-17=-118/496, 10-12=-1837/0, 10-13=0/782, 10-13=0/78

## NOTES

TCDL

BCLL

BCDL

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

10.0

0.0

5.0

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

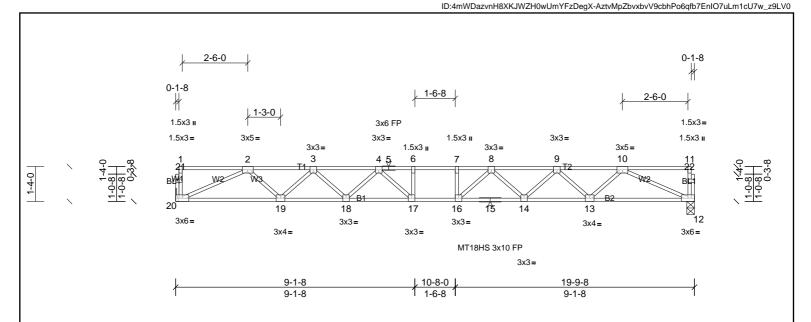




Job	Truss	Truss Type	Qty	Ply	PBS\MITHFIELD ENG CNTRY LH 2ND
72319926	F203	Truss	5	1	Job Reference (optional)

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verticals



Scale = 1:44.2

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	0.52	Vert(LL)	-0.30	16-17	>784	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.41	16-17	>571	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.08	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 100 lb	FT = 20%F, 11%E

**BOT CHORD** 

 LUMBER
 BRACING

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

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

12=854/0-3-8, (min. 0-1-8), 20=854/ Mechanical, (min. 0-1-8)

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

TOP CHORD 2-3=-2195/0, 3-4=-3024/0, 4-5=-3449/0, 5-6=-3449/0, 6-7=-3449/0, 7-8=-3449/0, 8-9=-3024/0, 9-10=-2195/0

BOT CHORD 19-20=0/1646, 18-19=0/2713, 17-18=0/3317, 16-17=0/3449, 15-16=0/3317, 14-15=0/3317, 13-14=0/2713, 12-13=0/1646

WEBS 10-12=-1807/0, 2-20=-1807/0, 10-13=0/764, 2-19=0/764, 9-13=-721/0, 3-19=-721/0, 9-14=0/433, 3-18=0/433, 8-14=-407/0, 4-18=-407/0, 8-16=-131/457, 4-17=-131/457

## NOTES

REACTIONS

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

(lb/size)

- 3) All plates are 3x3 MT20 unless otherwise indicated.
- 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 2-2-0 oc bracing.



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Page: 1

0-1-8 0-1-8 2-6-0 1.5x3 ı 3x6 FP 1.5x3= 1.5x3= 3x3= 3x5= 3x3= 1.5x3 II 1.5x3 II 3x3= 1.5x3 <sub>II</sub> 3x3= 3x5= 3 6 8 9 10 20 15 19 18 17 13 16 14 3x3= 3x3= 3x4= 3x6= 3x4= 3x3= 3x6= MT18HS 3x10 FP 3x3= 9-1-8 10-10-8 20-0-0 9-1-8 1-9-0 9-1-8

Scale = 1:44.5

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.55	Vert(LL)	-0.29	16-17	>809	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.40	16-17	>588	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.07	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 101 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=863/0-3-8, (min. 0-1-8), 20=863/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-2224/0, 3-4=-3072/0, 4-5=-3519/0, 5-6=-3519/0, 6-7=-3519/0, 7-8=-3519/0, 8-9=-3072/0, 9-10=-2224/0

BOT CHORD  $19-20=0/1666,\ 18-19=0/2752,\ 17-18=0/3374,\ 16-17=0/3519,\ 15-16=0/3374,\ 14-15=0/3374,\ 13-14=0/2752,\ 12-13=0/1666,\ 18-19=0/2752,\ 17-18=0/3374,\ 18-19=0/2752,\ 17-18=0/3374,\ 18-19=0/3374,\ 18-1$ WEBS

 $10-12=-1829/0,\ 2-20=-1829/0,\ 10-13=0/776,\ 2-19=0/776,\ 9-13=-734/0,\ 3-19=-734/0,\ 9-14=0/446,\ 3-18=0/446,\ 8-14=-420/0,\ 4-18=-420/0,\ 8-16=-121/484,\ 4-17=-121/484,\$ 

## 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



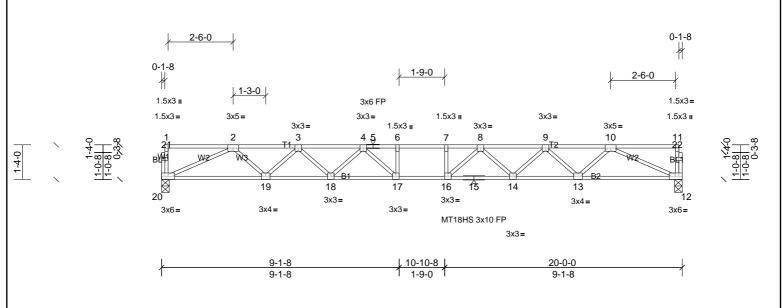


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Page: 1  $ID: Zy4bnlwP2RfBxg8Tae??5SzDegW-AztvMpZbvxbvV9cbhPo6qfb7lnLz7uCm1cU7w\_z9LV0$ 

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

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



Scale = 1:44.5

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	0.55	Vert(LL)	-0.29	16-17	>809	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.40	16-17	>588	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.07	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 101 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=863/0-3-8, (min. 0-1-8), 20=863/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-2224/0, 3-4=-3072/0, 4-5=-3519/0, 5-6=-3519/0, 6-7=-3519/0, 7-8=-3519/0, 8-9=-3072/0, 9-10=-2224/0

BOT CHORD 19-20=0/1666, 18-19=0/2752, 17-18=0/3374, 16-17=0/3519, 15-16=0/3374, 14-15=0/3374, 13-14=0/2752, 12-13=0/1666

WEBS  $10-12=-1829/0,\ 2-20=-1829/0,\ 10-13=0/776,\ 2-19=0/776,\ 9-13=-734/0,\ 3-19=-734/0,\ 9-14=0/446,\ 3-18=0/446,\ 8-14=-420/0,\ 4-18=-420/0,\ 8-16=-121/484,\ 4-17=-121/484,\$ 

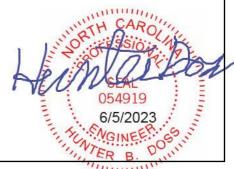
## NOTES

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





Job	Truss	Truss Type	Qty	Ply	PBS\MITHFIELD ENG CNTRY LH 2ND
72319926	F206	Truss	2	1	Job Reference (optional)

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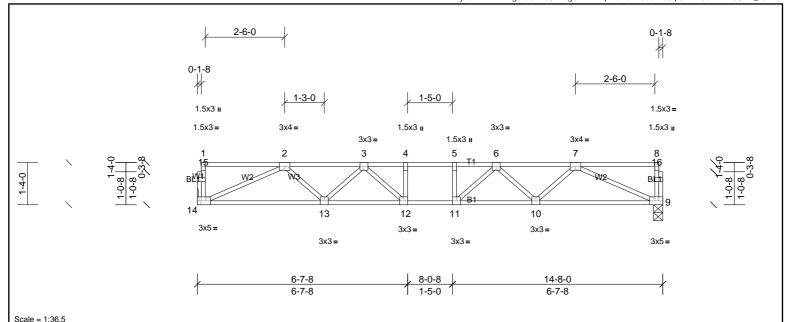


Plate Offsets (X, Y):	[9:0-2-0,Edge], [14:0-2-0,Edge]

2x4 SP No.3(flat)

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.32	Vert(LL)	-0.10	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.55	Vert(CT)	-0.13	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 75 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) 9=629/0-3-8, (min. 0-1-8), 14=629/ Mechanical, (min. 0-1-8) **FORCES** (lb) - Max, Comp./Max, Ten. - All forces 250 (lb) or less except when shown. TOP CHORD  $2\text{-}3\text{--}1471/0,\ 3\text{-}4\text{--}1872/0,\ 4\text{-}5\text{--}1872/0,\ 5\text{-}6\text{--}1872/0,\ 6\text{-}7\text{--}1471/0}$ **BOT CHORD**  $13\text{-}14\text{=}0/1162,\ 12\text{-}13\text{=}0/1748,\ 11\text{-}12\text{=}0/1872,\ 10\text{-}11\text{=}0/1748,\ 9\text{-}10\text{=}0/1162}$ 

WEBS  $7-9=-1275/0,\ 2-14=-1275/0,\ 7-10=0/429,\ 2-13=0/429,\ 6-10=-385/0,\ 3-13=-385/0,\ 6-11=-42/343,\ 3-12=-42/34$ 

## NOTES

OTHERS

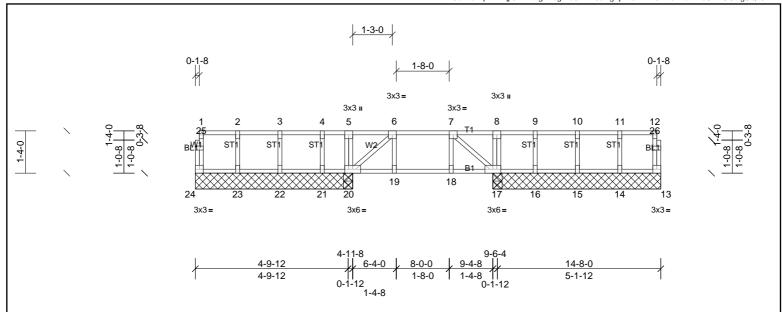
- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each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





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Scale = 1:36.5

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	0.00	18-19	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.06	Vert(CT)	0.00	18-19	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH	l						Weight: 73 lb	FT = 20%F, 11%E

LUMBER BRACING

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

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

All bearings 4-11-8. except 13=5-3-8, 17=5-3-8, 16=5-3-8, 15=5-3-8, 14=5-3-8 (lb) - Max Grav All reactions 250 (lb) or less at joint(s) 13, 14, 15, 16, 20, 21, 22, 23, 24

except 17=262 (LC 1)

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

NOTES

REACTIONS

- 1) Unbalanced floor live loads have been considered for this design.
- 2) 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). 3)
- 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.
- 7) CAUTION, Do not erect truss backwards.

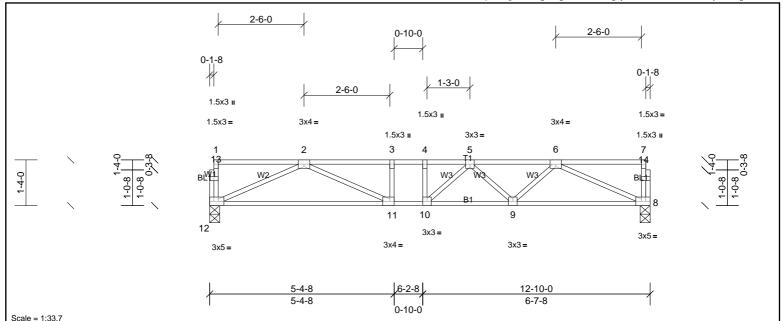




Job	Truss	Truss Type	Qty	Ply	PBS\MITHFIELD ENG CNTRY LH 2ND
72319926	F208	Truss	3	1	Job Reference (optional)

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	_
Plate Offsets (X, Y):	[8:0-2-0,Edge], [11:0-1-8,Edge], [12:0-2-0,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	0.33	Vert(LL)	-0.06	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.47	Vert(CT)	-0.12	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 66 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) 8=548/0-3-8, (min. 0-1-8), 12=548/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-1432/0, 3-4=-1432/0, 4-5=-1432/0, 5-6=-1215/0 **BOT CHORD**  $11\text{-}12\text{=}0/982,\, 10\text{-}11\text{=}0/1432,\, 9\text{-}10\text{=}0/1408,\, 8\text{-}9\text{=}0/988$ WEBS 6-8=-1083/0, 2-12=-1076/0, 6-9=0/315, 2-11=0/521, 5-9=-268/0

## NOTES

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



Job	Truss	Truss Type	Qty	Ply	PBS\MITHFIELD ENG CNTRY LH 2ND
72319926	F209	Truss	2	1	Job Reference (optional)

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2-6-0 0-1-8 0-1-8 1.5x3 II 1.5x3= 1.5x3= 1.5x3 II 1.5x3 II 1.5x3 II 3x4 = 2 3 5 9 8 10 3x4= 3x4 = 3x5 = 3x5= 5-4-8 12-0-0 1-3-0 5-4-8 5-4-8

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

Loading (ps	sf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.		Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.09	9-10	>999	480	MT20	244/190
TCDL 10.	.0	Lumber DOL	1.00	BC	0.46	Vert(CT)	-0.15	9-10	>953	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: 61 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) 7=512/0-3-8, (min. 0-1-8), 10=512/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-1269/0, 3-4=-1269/0, 4-5=-1269/0 **BOT CHORD** 9-10=0/902, 8-9=0/1269, 7-8=0/902 WEBS 5-7=-988/0, 2-10=-988/0, 5-8=0/467, 2-9=0/467

## NOTES

Scale = 1:33.3

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



Page: 1

Job	Truss	Truss Type	Qty	Ply	PBS\MITHFIELD ENG CNTRY LH 2ND
72319926	F210	Truss	1	1	Job Reference (optional)

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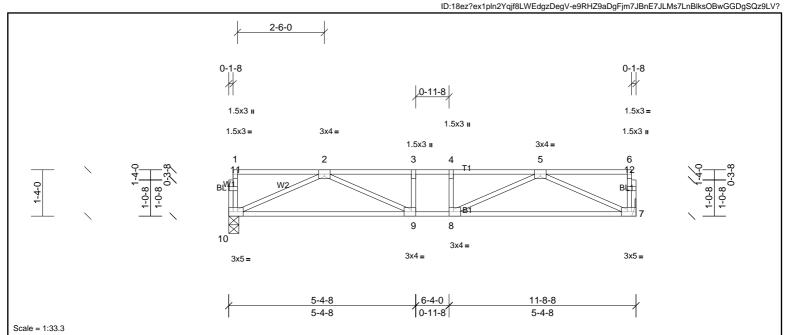


Plate Offsets (X, Y): [7:0-2-0,Edge], [8:0-1-8,Edge], [9:0-1-8,Edge], [10:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	-0.07	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.43	Vert(CT)	-0.13	9-10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 60 lb	FT = 20%F, 11%E

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

TOP CHORD 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) 7=499/ Mechanical, (min. 0-1-8), 10=499/0-3-8, (min. 0-1-8) **FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-1215/0, 3-4=-1215/0, 4-5=-1215/0 **BOT CHORD** 9-10=0/875, 8-9=0/1215, 7-8=0/875 WEBS 5-7=-958/0, 2-10=-958/0, 5-8=0/432, 2-9=0/432

## 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\MITHFIELD ENG CNTRY LH 2ND
72319926	F211	Truss	7	1	Job Reference (optional)

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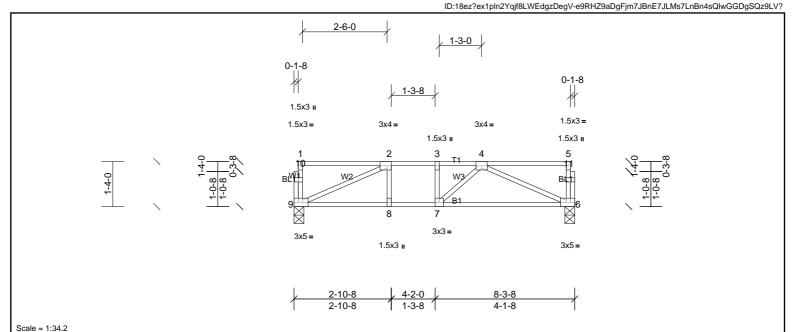


Plate Offsets (X, Y):	[2:0-1-8,Edge], [6:0-2-0,Edge], [9:0-2-0,Edge]

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	0.34	Vert(LL)	-0.04	6-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.28	Vert(CT)	-0.07	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 44 lb	FT = 20%F, 11%E

LUMBER BRACING

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

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

WEBS 2x4 SP No.3(flat)

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

OTHERS 2x4 SP No.3(flat)

**REACTIONS** (lb/size) 6=349/0-3-8, (min. 0-1-8), 9=349/0-3-8, (min. 0-1-8)

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

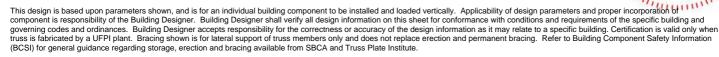
TOP CHORD 2-3=-576/0, 3-4=-576/0 BOT CHORD 8-9=0/576, 7-8=0/576, 6-7=0/549 WEBS 4-6=-599/0, 2-9=-627/0

## NOTES

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

054919 6/5/2023

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





Job	Truss	Truss Type	Qty	Ply	PBS\MITHFIELD ENG CNTRY LH 2ND
72319926	F212	Truss	1	1	Job Reference (optional)

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

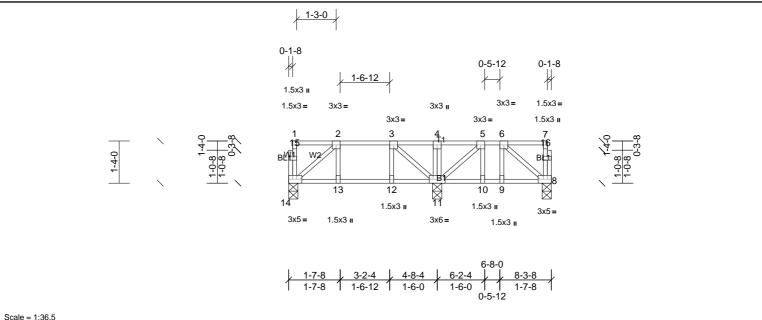


Plate Offsets (X, Y):	te Offsets (X, Y): [8:0-2-0,Edge], [14:0-2-0,Edge]												
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	0.00	13	>999	480	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.07	Vert(CT)	0.00	13	>999	360			
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	8	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 Structural wood sheathing directly applied or 6-0-0 oc purlins, except end BOT CHORD 2x4 SP No.2(flat) BOT CHORD

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

REACTIONS (lb/size) 8=144/0-3-8, (min. 0-1-8), 11=360/0-3-8, (min. 0-1-8), 14=193/0-3-8, (min.

8=162 (LC 7), 11=376 (LC 8), 14=195 (LC 10) Max Grav

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

## NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- All plates are 1.5x3 MT20 unless otherwise indicated. 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)
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.

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



Job	Truss	Truss Type	Qty	Ply	PBS\MITHFIELD ENG CNTRY LH 2ND
72319926	F213	Truss	2	1	Job Reference (optional)

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Scale = 1:36.6

Plate Offsets (X, Y):	te Offsets (X, Y): [5:0-2-0,Edge], [8:0-2-0,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	0.12	Vert(LL)	-0.01	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.01	7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 28 lb	FT = 20%F, 11%E

LUMBER **BRACING** 

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 4-10-0 oc purlins, except end BOT CHORD 2x4 SP No.2(flat) Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS 5=197/0-3-8, (min. 0-1-8), 8=197/0-3-8, (min. 0-1-8) **FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

# NOTES

Unbalanced floor live loads have been considered for this design.

(lb/size)

- 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.

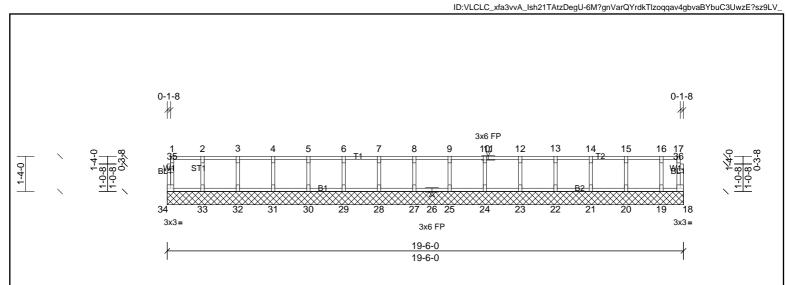


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verticals



Scale = 1:43.7

Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R	l						Weight: 86 lb	FT = 20%F, 11%E

LUMBER **BRACING** TOP CHORD

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

**BOT CHORD** 

OTHERS 2x4 SP No.3(flat) REACTIONS

All bearings 19-6-0 (lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 27,

28, 29, 30, 31, 32, 33, 34

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

NOTES

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



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

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

