

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Jan 10 11:52:20 ID:q6xmDaGgGpr4T8wcGw4bQWzKH9V-eajA9lwWLMpvex5hWwMTv3pRueq_KolwhDvf7_zwnlv

0-1-8 2-0-0 լ 1-3-0 լ [1-2-0] 3x6= 3x6 FP 1.5x3 II 1.5x3 II 1.5x3 **II** 1.5x3 =5x8= 3x4= 1.5x3 u 3x3= 3x3= 5x8= 2 6 8 3 4 5 10 вИ W4 17 19 18 16 15 13 14 3x8= 3x3= 3x4= 5x4 II 5x4 II 3x3= 3x8= MT18HS 3x10 FP 3x4 =9-1-8 20-3-8 9-1-8 9-2-0

Scale	= 1:49	

Plate Offsets (X, Y):	[12:0-3-8,Ed	[12:0-3-8,Edge], [15:0-1-8,Edge], [16:0-1-8,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	0.76	Vert(LL)	-0.46	15-16	>527	480	MT18HS	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.63	15-16	>383	360	MT20	244/190	
BCLL	0.0	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.10	12	n/a	n/a			
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 100 lb	FT = 20%F, 12%E	

LUMBER BRACING

TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 4-11-5 oc purlins, except end **BOT CHORD** 2x4 SP SS(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) 12=1086/0-3-8, (min. 0-1-8), 20=1093/0-3-8, (min. 0-1-8)

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

2-3=-3267/0, 3-4=-4529/0, 4-5=-5213/0, 5-6=-5213/0, 6-7=-5213/0, 7-8=-4551/0, 8-9=-3307/0, 9-10=-3307/0

BOT CHORD $19-20=0/2442,\ 18-19=0/4050,\ 17-18=0/4980,\ 16-17=0/4980,\ 15-16=0/5213,\ 14-15=0/4996,\ 13-14=0/4081,\ 12-13=0/2489$

WEBS $5-16=-309/11,\ 6-15=-319/20,\ 2-20=-2620/0,\ 2-19=0/1074,\ 3-19=-1019/0,\ 3-18=0/624,\ 4-18=-588/0,\ 4-16=-151/704,\ 10-12=-2656/0,\ 10-13=0/1064,\ 8-13=-1008/0,\ 8-14=0/612,\ 10-12=-2620/0,\ 10-13=0/1064,\ 10-12=-2620/0,\ 10$

7-14=-579/0, 7-15=-161/695

NOTES

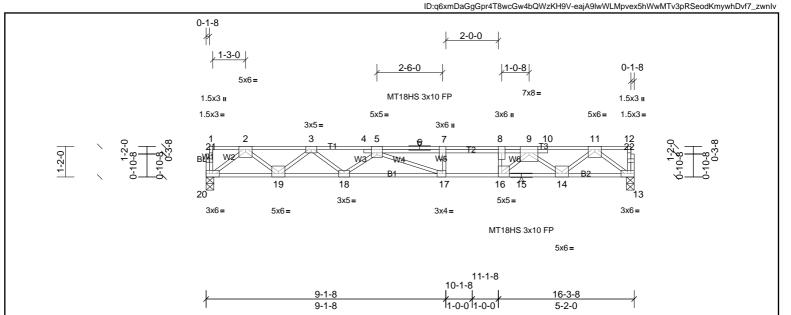
- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.







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Scale = 1:44.1 Dioto Offosto (V. V)

Fide Olisets (A, 1). [5.0-2-6,Euge], [6.0-3-0,Euge], [10.0-1-6,Euge]												
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	0.72	Vert(LL)	-0.21	17-18	>923	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.46	17-18	>422	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.07	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 90 lb	FT = 20%F, 12%E

LUMBER BRACING

[E:0.2.0 Edga] [0:0.2.0 Edga] [16:0.1.0 Edga] [17:0.1.0 Edga]

TOP CHORD 2x4 SP SS(flat) TOP CHORD Structural wood sheathing directly applied or 5-7-14 oc purlins, except end BOT CHORD 2x4 SP SS(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) 13=1322/0-3-8, (min. 0-1-8), 20=1294/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-2720/0, 3-4=-4533/0, 4-5=-4531/0, 5-6=-5301/0, 6-7=-5301/0, 7-8=-5301/0, 8-9=-5301/0, 9-10=-2814/0, 10-11=-2807/0

BOT CHORD $19 - 20 = 0/1631,\ 18 - 19 = 0/3789,\ 17 - 18 = 0/5255,\ 16 - 17 = 0/5301,\ 15 - 16 = 0/4057,\ 14 - 15 = 0/4057,\ 13 - 14 = 0/1644$

WEBS $8-16=-1106/0,\ 2-20=-2042/0,\ 2-19=0/1418,\ 3-19=-1392/0,\ 3-18=0/969,\ 5-18=-916/0,\ 5-17=-199/508,\ 11-13=-2058/0,\ 11-14=0/1513,\ 9-14=-1588/0,\ 9-16=0/1840,\ 9-16=0$

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 4) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 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 5) to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 13-20=-10, 1-4=-140, 4-9=-176, 9-12=-140

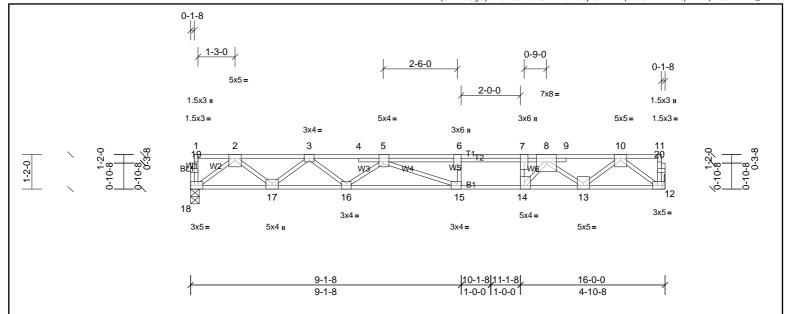






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Scale = 1:39

Plate Offsets (X, Y):	[5:0-1-12,Edge], [7:0-3-0,Edge], [12:0-2-0,Edge], [14:0-1-8,Edge], [15:0-1-8,Edge], [18:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	l	DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.97	Vert(LL)	-0.22	15-16	>844	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.39	15-16	>488	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.06	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH	l						Weight: 89 lb	FT = 20%F, 12%E

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

TOP CHORD TOP CHORD Structural wood sheathing directly applied or 4-9-4 oc purlins, except end BOT CHORD 2x4 SP SS(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) 12=1000/ Mechanical, (min. 0-1-8), 18=973/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-2055/0, 3-4=-3470/0, 4-5=-3477/0, 5-6=-3974/0, 6-7=-3974/0, 7-8=-3974/0, 8-9=-2140/0, 9-10=-2136/0

BOT CHORD $17 - 18 = 0/1227,\ 16 - 17 = 0/2864,\ 15 - 16 = 0/4043,\ 14 - 15 = 0/3974,\ 13 - 14 = 0/3110,\ 12 - 13 = 0/1241$

WEBS $7-14=-1071/0,\ 2-18=-1537/0,\ 2-17=0/1078,\ 3-17=-1053/0,\ 3-16=0/789,\ 5-16=-728/0,\ 5-15=-296/415,\ 10-12=-1553/0,\ 10-13=0/1166,\ 8-13=-1237/0,\ 8-14=0/1550/0,\ 10-13=0/1166,\ 8-13=-1237/0,\ 8-14=0/155/0,\ 10-13=0/1166,\ 10-13$

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) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached

to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

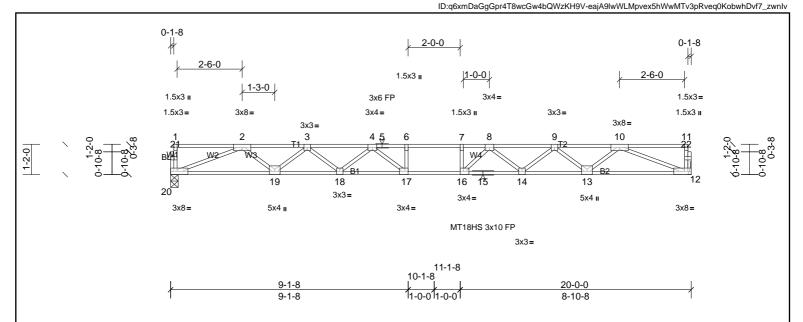
Vert: 12-18=-10, 1-4=-100, 4-8=-140, 8-11=-100







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Scale = 1:44.5

Plate Offsets (X, Y): [16:0-1-8,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	0.76	Vert(LL)	-0.44	16-17	>543	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.60	16-17	>395	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.09	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 97 lb	FT = 20%F, 12%E

LUMBER BRACING

 TOP CHORD
 2x4 SP No.1(flat)
 TOP CHORD

 BOT CHORD
 2x4 SP SS(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)
 12=1080/ Mechanical, (min. 0-1-8), 20=1080/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-3220/0, 3-4=-4454/0, 4-5=-5093/0, 5-6=-5093/0, 6-7=-5093/0, 7-8=-5093/0, 8-9=-4449/0, 9-10=-3221/0

BOT CHORD 19-20=0/2411, 18-19=0/3988, 17-18=0/4888, 16-17=0/5093, 15-16=0/4891, 14-15=0/4891, 13-14=0/3987, 12-13=0/2411

WEBS 6-17=-297/18, 7-16=-345/32, 2-20=-2587/0, 2-19=0/1054, 3-19=-1000/0, 3-18=0/606, 4-18=-565/0, 4-17=-166/671, 10-12=-2587/0, 10-13=0/1055, 9-13=-997/0, 9-14=0/601,

8-14=-579/0, 8-16=-159/686

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
- 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.

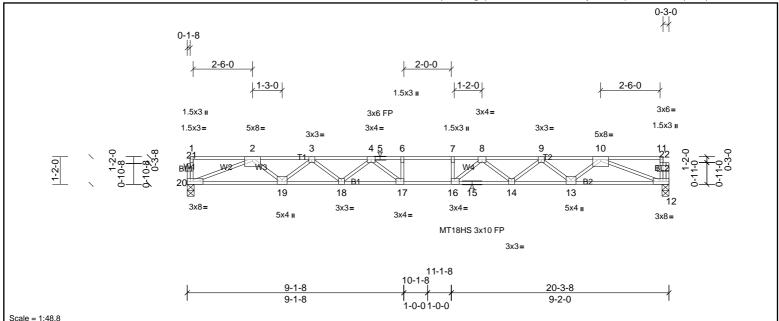


Structural wood sheathing directly applied or 5-0-15 oc purlins, except end





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BCLL

BCDI

Plate Offsets (X, Y):	[12:0-3-8,Ed	ge], [16:0-1-8,Edge], [17:0-	1-8,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	0.76	Vert(LL)	-0.46	16-17	>527	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.63	16-17	>383	360	MT20	244/190

Horz(CT)

0.10

12

n/a n/a

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

Weight: 100 lb

Structural wood sheathing directly applied or 4-11-5 oc purlins, except end

FT = 20%F, 12%E

0.73

BRACING

TOP CHORD

BOT CHORD

LUMBER TOP CHORD 2x4 SP No.1(flat) **BOT CHORD** 2x4 SP SS(flat) WEBS

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

REACTIONS (lb/size) 12=1086/0-3-8, (min. 0-1-8), 20=1093/0-3-8, (min. 0-1-8)

Rep Stress Incr

Code

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

TOP CHORD 2-3=-3267/0, 3-4=-4529/0, 4-5=-5213/0, 5-6=-5213/0, 6-7=-5213/0, 7-8=-5213/0, 8-9=-4551/0, 9-10=-3307/0

BOT CHORD $19-20=0/2442,\ 18-19=0/4050,\ 17-18=0/4980,\ 16-17=0/5213,\ 15-16=0/4996,\ 14-15=0/4996,\ 13-14=0/4081,\ 12-13=0/2489$ WEBS

YES WB

Matrix-SH

IRC2015/TPI2014

6-17 = -309/11, 7-16 = -319/20, 2-20 = -2620/0, 2-19 = 0/1074, 3-19 = -1019/0, 3-18 = 0/624, 4-18 = -588/0, 4-17 = -151/704, 10-12 = -2656/0, 10-13 = 0/1064, 9-13 = -1008/0, 9-14 = 0/612, 10-12 = -1008/0, 10-13 = 0/1064, 10-12 = -1008/0, 10-13 = 0/1064, 10-12 = -1008/0, 10-13 = 0/1064, 10-12 = -1008/0, 10-13 = 0/1064, 10-12 = -1008/0, 10-13 = 0/1064, 10-12 = -1008/0, 10-13 = 0/1064, 10-12 = -1008/0, 10-13 = 0/1064, 10-12 = -1008/0, 10-13 = 0/1064, 10-12 = -1008/0, 10-13 = 0/1064, 10-12 = -1008/0, 10-13 = 0/1064, 10-12 = -1008/0, 10-13 = 0/1064, 10-12 = -1008/0, 10-12 = -1008/

8-14=-579/0, 8-16=-161/695

NOTES

Unbalanced floor live loads have been considered for this design.

0.0

5.0

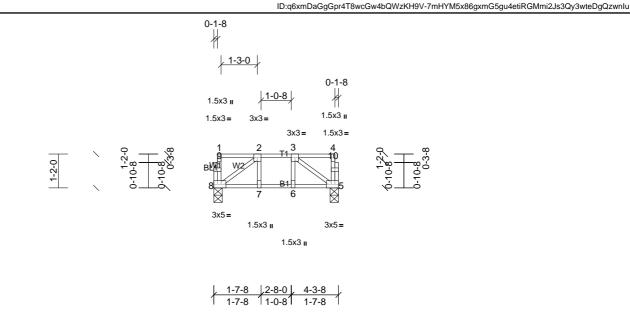
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - MCDOWELL B 2ND FLR
72500854	F205	Truss	1	1	Job Reference (optional)

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Scale = 1:39.8

Plate Offsets (X, Y):	[5:0-2-0,Edg	jej, [8:0-2-0,Edgej										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.11	Vert(LL)	0.00	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.01	7-8	>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: 25 lb	FT = 20%F, 12%E

LUMBER BRACING

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

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

 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) 5=216/0-3-8, (min. 0-1-8), 8=216/0-3-8, (min. 0-1-8)

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

3-5=-258/0, 2-8=-258/0

WEBS NOTES

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

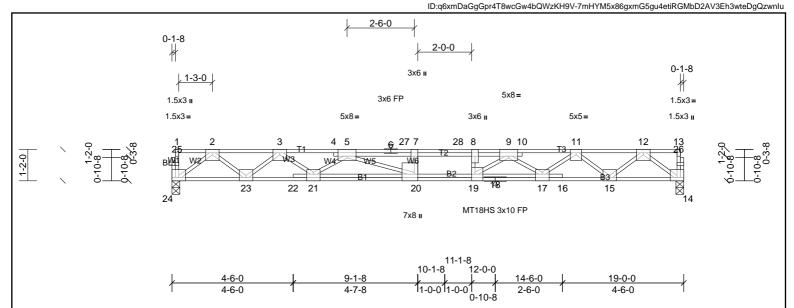


Structural wood sheathing directly applied or 4-3-8 oc purlins, except end





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Scale = 1:43

riate Oliseis (X, 1): [5.0-4-0,Edge], [6.0-3-0,Edge], [9.0-4-0,Edge], [14.Edge,0-1-0], [17.0-3-0,Edge], [20.0-3-0,Edge], [20.0-3-0,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	0.79	Vert(LL)	-0.26	20-21	>865	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.70	Vert(CT)	-0.51	20-21	>440	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.08	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 117 lb	FT = 20%F, 12%E

LUMBER BRACING

TOP CHORD 2x4 SP SS(flat) TOP CHORD Structural wood sheathing directly applied or 5-0-13 oc purlins, except end BOT CHORD 2x4 SP SS(flat)

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

[5:0.4.0.Edge] [9:0.2.0.Edge] [0:0.4.0.Edge] [14:Edge 0.4.9] [17:0.2.0.Edge] [10:0.2.0.Edge] [20:0.2.0.Edge] [21:0.2.0.Edge]

OTHERS 2x4 SP No.3(flat)

REACTIONS (lb/size) 14=1434/0-3-8, (min. 0-1-8), 24=1433/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-3048/0, 3-4=-5393/0, 4-5=-5382/0, 5-6=-7407/0, 6-27=-7407/0, 7-27=-7407/0, 7-28=-7407/0, 8-28=-7407/0, 8-9=-7407/0, 9-10=-5314/0, 10-11=-5329/0, 11-12=-3065/0

BOT CHORD 23-24=0/1803, 22-23=0/4349, 21-22=0/4340, 20-21=0/6405, 19-20=0/7407, 18-19=0/6408, 17-18=0/6408, 16-17=0/4341, 15-16=0/4351, 14-15=0/1804, 16-17=0/1804,

WEBS $7-20=-382/0,\ 8-19=-606/0,\ 2-24=-2259/0,\ 2-23=0/1620,\ 3-23=-1694/0,\ 3-21=0/1326,\ 5-21=-1255/0,\ 5-20=0/1372,\ 12-14=-2260/0,\ 12-15=0/1641,\ 11-15=-1675/0,\ 11-17=0/1242,\ 12-14=-1250/0,\ 12-14=-1250/0,\ 12-14=-1250/0,\ 12-15=0/1641,\ 11-15=-1675/0,\ 11-17=0/1242,\ 12-14=-1250/0$

9-17=-1338/0, 9-19=0/1465

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 5x6 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/ TPI 1.
- Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 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.

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 14-24=-10, 1-27=-140, 27-28=-176, 13-28=-140







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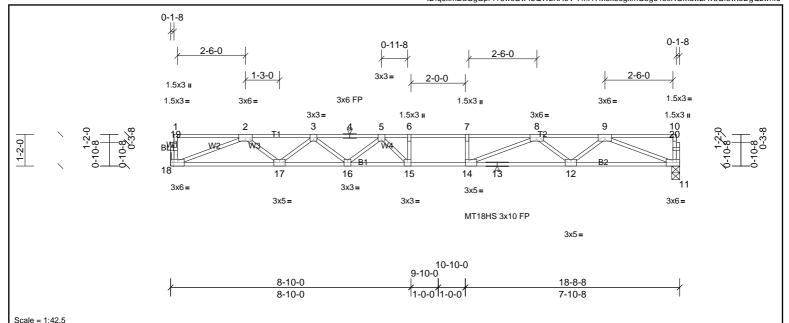


Plate Offsets (X, Y):

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	0.87	Vert(LL)	-0.35	15	>624	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.49	15-16	>454	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.08	11	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 91 lb	FT = 20%F, 12%E

LUMBER **BRACING** 2x4 SP No.1(flat)

TOP CHORD TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end **BOT CHORD** 2x4 SP SS(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) 11=1009/0-3-8, (min. 0-1-8), 18=1009/ Mechanical, (min. 0-1-8) **FORCES** (lb) - Max, Comp./Max, Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-2957/0, 3-4=-4024/0, 4-5=-4024/0, 5-6=-4436/0, 6-7=-4436/0, 7-8=-4436/0, 8-9=-2958/0

BOT CHORD $17 - 18 = 0/2233,\ 16 - 17 = 0/3640,\ 15 - 16 = 0/4368,\ 14 - 15 = 0/4436,\ 13 - 14 = 0/3636,\ 12 - 13 = 0/3636,\ 11 - 12 = 0/2234$

WEBS 6-15 = -281/87, 7-14 = -2397/0, 2-18 = -2395/0, 2-17 = 0/942, 3-17 = -890/0, 3-16 = 0/500, 5-16 = -481/0, 5-15 = -278/548, 9-11 = -2397/0, 9-12 = 0/941, 8-12 = -883/0, 8-14 = 0/1097/0, 9-12 = 0/941, 8-12 = -883/0, 8-14 = 0/1097/0, 9-12 = 0/941, 8-12 = -883/0, 8-14 = 0/1097/0, 9-12 = 0/941, 8-12 = -883/0, 8-14 = 0/1097/0, 9-12 = 0/941, 8-12 = -883/0, 8-14 = 0/1097/0, 9-12 = 0/941, 8-12 = -883/0, 8-14 = 0/1097/0, 9-12 = 0/941, 8-12 = -883/0, 8-14 = 0/1097/0, 9-12 = 0/941, 8-12 = -883/0, 8-14 = 0/1097/0, 9-12 = 0/941, 8-12 = -883/0, 8-14 = 0/1097/0, 9-12 = 0/941, 8-12 = -883/0, 8-14 = 0/1097/0, 9-12 = 0/941, 8-12 = 0/941/0, 9-12 =

NOTES

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

[14:0-1-8,Edge]

- 2) All plates are MT20 plates unless otherwise indicated.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/
- 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 Type MUNGO HOMES - MCDOWELL B 2ND FLR Truss Qty Ply FG1 1 72500854 Truss 1 Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

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

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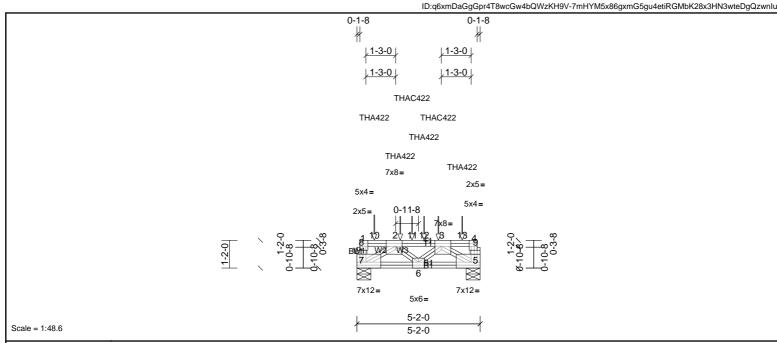


Plate Offsets (X, Y): [1:Edge,0-3-0], [2:0-3-4,Edge], [3:0-3-4,Edge], [4:0-1-8,Edge], [5:Edge,0-3-0], [6:0-3-0,Edge], [7:Edge,0-3-0], [8:0-1-8,0-0-11], [9:0-1-8,0-0-11]

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	0.78	Vert(LL)	-0.03	6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.04	6	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.61	Horz(CT)	0.02	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 51 lb	FT = 20%F, 12%E

LUMBER **BRACING**

TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 5-2-0 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) 5=3202/0-7-0, (min. 0-1-10), 7=4036/0-7-0, (min. 0-2-1)

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

TOP CHORD $7-8=-1058/0,\ 1-8=-1016/0,\ 5-9=-440/0,\ 4-9=-423/0,\ 2-11=-4403/0,\ 11-12=-4403/0,\ 3-12=-4403/0$

BOT CHORD 6-7=0/4607, 5-6=0/4230

WEBS 2-7=-5404/0, 2-6=-279/0, 3-5=-5005/0

NOTES

- 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)
- 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
- 3) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 1-7-3 oc max. starting at 1-9-13 from the left end to 4-5-0 to
- connect truss(es) to front face of top chord. Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 0-8-12 from the left end to connect truss(es) to back face of top chord,
- skewed 0.0 deg.to the left, sloping 0.0 deg. down.
 Use Simpson Strong-Tie THAC422 (6-16d Girder, 6-16d Truss) or equivalent spaced at 1-1-4 oc max. starting at 2-3-12 from the left end to 3-5-0 to
- connect truss(es) to back face of top chord.
- Fill all nail holes where hanger is in contact with lumber. In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 5-7=-10, 1-4=-100

Concentrated Loads (lb)

Vert: 2=-909 (F), 3=-980 (B), 10=-2011 (B), 11=-980 (B), 12=-909 (F), 13=-934 (F)





Job Truss Type MUNGO HOMES - MCDOWELL B 2ND FLR Truss Qty Ply FG2 1 72500854 Truss 1 Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

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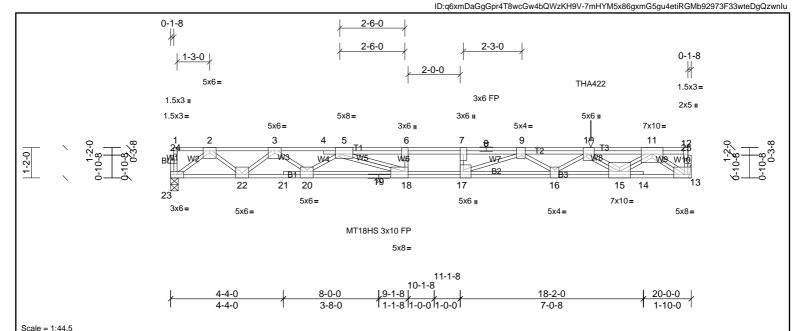


Plate Offsets (X, Y):	[5:0-2-0,Edge], [7:0-3-0,Edge], [9:0-1-8,Edge], [10:0-3-0,Edge], [12:0-3-0,Edge	ge], [13:Edge,0-1-8], [16:0-2-0,Edge], [17:0-3-0,Edge], [18:0-1-8,Edge], [20:0-2-12,Edge]
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Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.79	Vert(LL)	-0.36	16-17	>657	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.60	16-17	>394	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.09	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 147 lb	FT = 20%F, 12%E

LUMBER BRACING

TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 5-0-13 oc purlins, except end BOT CHORD 2x4 SP SS(flat)

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

2x4 SP No.3(flat) REACTIONS (lb/size) 13=2068/ Mechanical, (min. 0-1-8), 23=1154/0-3-8, (min. 0-1-8) FORCES

TOP CHORD 2-3=-2623/0, 3-4=-4931/0, 4-5=-4930/0, 5-6=-8106/0, 6-7=-8106/0, 7-8=-8106/0, 8-9=-8106/0, 9-10=-8255/0, 10-11=-5440/0

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

BOT CHORD 22 - 23 = 0/1475, 21 - 22 = 0/3810, 20 - 21 = 0/3804, 19 - 20 = 0/6294, 18 - 19 = 0/6294, 17 - 18 = 0/8106, 16 - 17 = 0/8430, 15 - 16 = 0/7907, 14 - 15 = 0/2880, 13 - 14 = 0/2885, 13 - 14 =

WEBS $6-18 = -528/0, \ 10-16 = 0/490, \ 9-16 = -425/5, \ 9-17 = -819/627, \ 10-15 = -3121/0, \ 2-23 = -1849/0, \ 2-22 = 0/1494, \ 3-22 = -1544/0, \ 3-20 = 0/1425, \ 5-20 = -1619/0, \ 5-18 = 0/2211, \ 11-15 = 0/3183, \ 10-16 = 0/490$

11-13=-3524/0

NOTES

OTHERS

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/ TPI 1.
- Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this 4)
- 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 mean 6) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 16-1-12 from the left end to connect truss(es) to front face of top chord.
- Fill all nail holes where hanger is in contact with lumber.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 13-23=-7, 1-4=-67, 4-8=-107, 8-12=-67

Concentrated Loads (lb)

Vert: 10=-1530 (F)

2) Dead: Lumber Increase=1.00. Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 13-23=-7, 1-4=-67, 4-8=-107, 8-12=-67

Concentrated Loads (lb)

Vert: 10=-1530 (F)

3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 13-23=-7, 1-4=-67, 4-7=-107, 7-8=-54, 8-12=-13

Concentrated Loads (lb)

Vert: 10=-584 (F)

2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00 4

Uniform Loads (lb/ft)





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - MCDOWELL B 2ND FLR
72500854	FG2	Truss	1	1	Job Reference (optional)

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Concentrated Loads (lb)

Vert: 10=-1584 (F)

3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00 5)

Uniform Loads (lb/ft)

Vert: 13-23=-7, 1-4=-67, 4-7=-107, 7-8=-54, 8-12=-13

Concentrated Loads (lb)

Vert: 10=-584 (F)

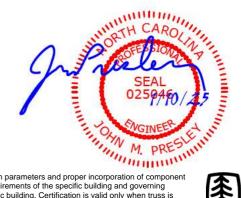
4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 13-23=-7, 1-4=-13, 4-6=-54, 6-8=-107, 8-12=-67

Concentrated Loads (lb)

Vert: 10=-1584 (F)



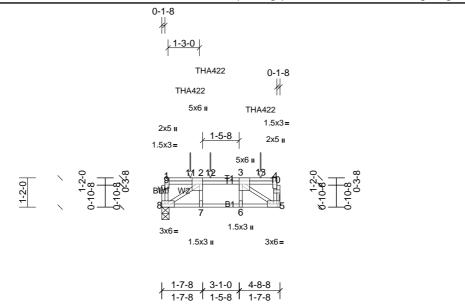


Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - MCDOWELL B 2ND FLR
72500854	FG3	Truss	1	1	Job Reference (optional)

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



Scale = 1:46.1

Plate Offsets (X, Y):	[2:0-3-0,Edg	e], [3:0-3-0,Edge], [4:0-3	3-0,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	0.81	Vert(LL)	-0.04	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.05	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.51	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 32 lb	FT = 20%F, 12%E

LUMBER **BRACING**

TOP CHORD 2x4 SP No.2(flat) TOP CHORD Structural wood sheathing directly applied or 4-8-8 oc purlins, except end 2x4 SP No.2(flat) BOT CHORD BOT CHORD

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

REACTIONS (lb/size) 5=1597/ Mechanical, (min. 0-1-8), 8=1605/0-3-8, (min. 0-1-8)

Max Grav 5=1597 (LC 1), 8=1612 (LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 8-9=-446/0, 1-9=-445/0, 5-10=-502/28, 4-10=-501/28, 2-12=-1804/0, 3-12=-1804/0

BOT CHORD 7-8=0/1804, 6-7=0/1804, 5-6=0/1804

WEBS 3-5=-2153/0, 2-8=-2156/0

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.

 Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-1-10 from the left end to 3-11-4 to connect truss(es) to back face of top chord.
- Fill all nail holes where hanger is in contact with lumber.
- 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 5-8=-10, 1-4=-100

Concentrated Loads (lb)

Vert: 11=-903 (B), 12=-900 (B), 13=-921 (B)

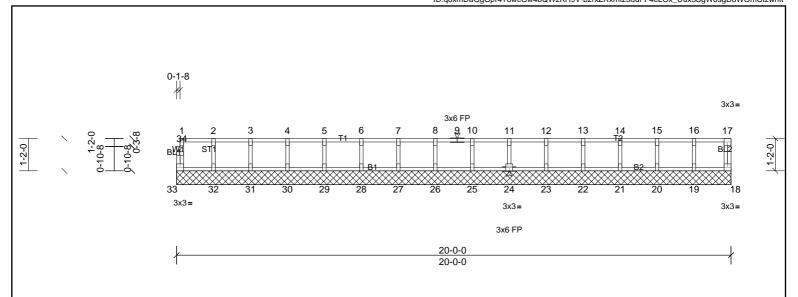






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Scale = 1:41.8

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	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 84 lb	FT = 20%F, 12%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) OTHERS 2x4 SP No.3(flat)

BOT CHORD

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

verticals

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

REACTIONS All bearings 20-0-0

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 26,

27, 28, 29, 30, 31, 32, 33

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/
- 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)

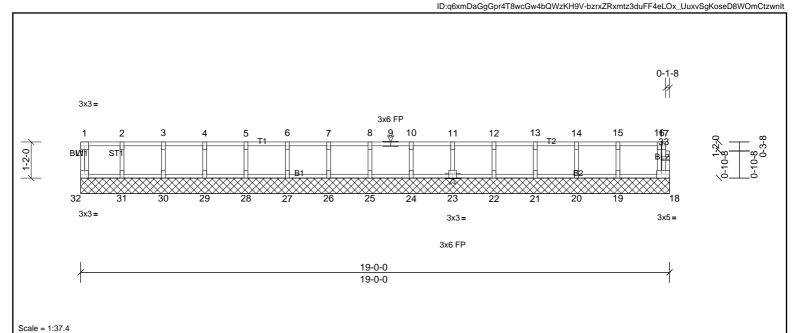






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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R						1	Weight: 81 lb	FT = 20%F, 12%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)

REACTIONS All bearings 19-0-0

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 26,

27, 28, 29, 30, 31, 32

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/
- 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.

verticals





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0-1-8 3x6 FP 9 10 11 12 13 14 18 3x3= 3x3= 3x5= 3x6 FP 19-0-0 19-0-0

Scale = 1:43

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	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL 0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	18	n/a	n/a		
BCDL 5.0	Code	IRC2015/TPI2014	Matrix-R	l						Weight: 80 lb	FT = 20%F, 12%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) OTHERS 2x4 SP No.3(flat)

BOT CHORD

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

verticals

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

REACTIONS All bearings 19-0-0

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 25, 26,

27, 28, 29, 30, 31, 32

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/
- 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)



