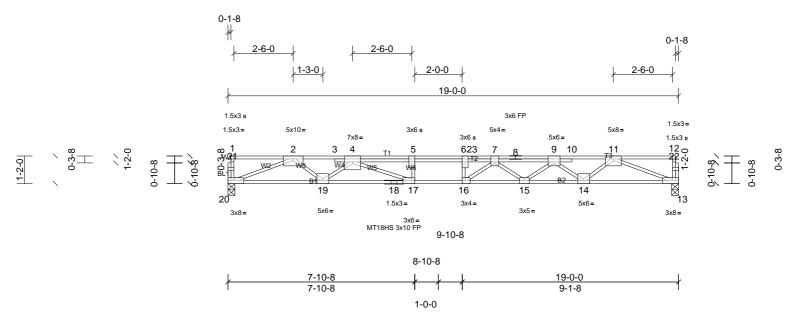
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	F200	Floor	10	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Aug 28 15:11:32 ID:Y?I0TELA5G72hK6FRQkx8OyE?ZL-1WCFXhBstD6pp2mFmmPF5Uy0U8NVfjvPsLmk\_FyjIEP Page: 1



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	0.47	Vert(LL)	-0.31	16	>737	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.60	16	>374	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.12	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 106 lb	FT = 20%F, 11%E

Vert: 13-20=-10, 1-5=-140, 5-23=-176, 12-23=-140

Uniform Loads (lb/ft)

LUMBER TOP CHORD

BOT CHORD

2x4 SP SS(flat) 2x4 SP SS(flat)

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

**BRACING** 

**FORCES** 

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc **BOT CHORD** 

bracing.

REACTIONS (lb/size) 13=1440/0-3-8, (min. 0-1-8), 20=1444/0-3-8, (min. 0-1-8)

(lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown. TOP CHORD

2-3=-4324/0, 3-4=-4328/0, 4-5=-6975/0, 5-6=-6975/0, 6-23=-6975/0, 7-23=-6975/0,

7-8=-6160/0, 8-9=-6160/0, 9-10=-4311/0,

10-11=-4308/0

BOT CHORD 19-20=0/3202, 18-19=0/5470, 17-18=0/5470,

16-17=0/6975, 15-16=0/6822, 14-15=0/5459,

13-14=0/3189

**WEBS** 5-17=-579/0, 6-16=-380/116, 2-20=-3435/0,

2-19=0/1460, 4-19=-1456/0, 4-17=0/1811, 11-13=-3420/0, 11-14=0/1457, 9-14=-1462/0,

9-15=0/892, 7-15=-840/0, 7-16=-238/704

## NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- The Fabrication Tolerance at joint 18 = 11%
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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 to walls at their outer ends or restrained by other means.

## LOAD CASE(S) Standard

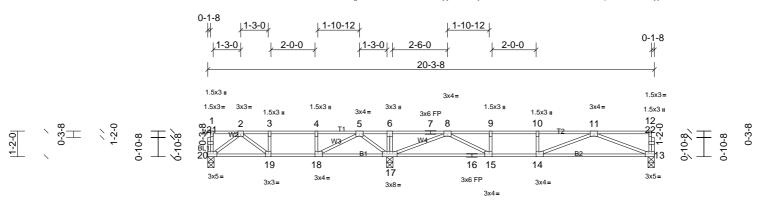
Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

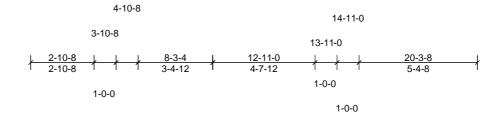




Job	Truss	Truss Type	Qty Ply MUNGO HOMES-RUSSELL 2ND FLR			
72524121	F201	Floor	2	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. I	Run: 8.83 S Apr 11	2025 Print: 8	.830 S Apr 1	1 2025 MiTek Industries, Inc. Thu Aug 28 15:11:33	Page: 1	

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Aug 28 15:11:33 ID:FogodrQdAJ2S4tDz1dGQAyyE?Sn-Vjmdk1CUeWFfRCLSKUwUdhV6dYlpOIYZ4?VIXhyjIEO





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)	-0.19	13-14	>749	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.30	13-14	>476	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.03	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 98 lb	FT = 20%F, 11%E

1-0-0

#### LUMBER

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

#### **BRACING**

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc **BOT CHORD** 

bracing, Except:

6-0-0 oc bracing: 17-18.

REACTIONS (lb/size) 13=601/0-3-8, (min. 0-1-8),

17=1213/0-3-8, (min. 0-1-8), 20=378/0-3-8, (min. 0-1-8)

Max Grav 13=621 (LC 7), 17=1213 (LC 1),

20=417 (LC 10)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown. 2-3=-757/0, 3-4=-757/0, 4-5=-757/0,

TOP CHORD 5-6=0/607, 6-7=0/616, 7-8=0/616,

8-9=-1684/0, 9-10=-1684/0, 10-11=-1684/0

**BOT CHORD** 19-20=0/465, 18-19=0/757, 17-18=-150/342,

16-17=0/1067, 15-16=0/1067, 14-15=0/1684,

13-14=0/1254

WEBS 4-18=-268/0, 9-15=-301/0, 2-20=-579/0,

2-19=0/373, 11-13=-1342/0, 11-14=0/464,

6-17=-250/0, 5-17=-694/0, 5-18=0/663,

8-17=-1471/0, 8-15=0/789

#### **NOTES**

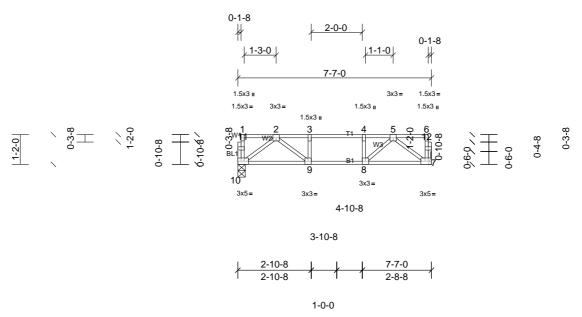
- Unbalanced floor live loads have been considered for this design.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each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





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	F202	Floor	1	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Aug 28 15:11:33 ID:CUI2sXDme91MoWStEQcyaDyE\_Tn-Vjmdk1CUeWFfRCLSKUwUdhVCRYs0OM2Z4?VIXhyjIEO Page: 1



Loading Spacing 2-0-0 CSI **DEFL** I/defI L/d **PLATES** GRIP (psf) (loc) 40.0 Plate Grip DOL 1.00 TC -0.03 >999 480 244/190 **TCLL** 0.33 Vert(LL) 9-10 MT20 **TCDL** BC 360 10.0 Lumber DOL 1.00 0.29 Vert(CT) -0.04 9-10 >999 **BCLL** 0.0 Rep Stress Incr YES WB 0.18 Horz(CT) 0.01 7 n/a n/a IRC2015/TPI2014 **BCDL** 5.0 Matrix-SH Weight: 39 lb FT = 20%F, 11%E Code

1-0-0

## LUMBER

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

**BRACING** 

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc **BOT CHORD** 

bracing.

REACTIONS (lb/size) 7=397/ Mechanical, 10=397/0-3-8, (min. 0-1-8)

(lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown.

2-3=-680/0, 3-4=-680/0, 4-5=-680/0 TOP CHORD **BOT CHORD** 9-10=0/437, 8-9=0/680, 7-8=0/437 **WEBS** 

2-10=-544/0, 2-9=0/355, 5-7=-544/0,

5-8=0/375

## **NOTES**

**FORCES** 

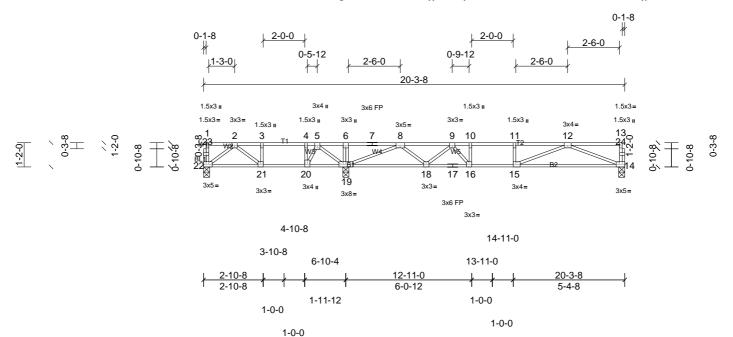
- 1) Unbalanced floor live loads have been considered for this design.
- Refer to girder(s) for truss to truss connections.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks,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





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR	
72524121	F203	Floor	4	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. N	Run: 8.83 S Apr 11	2025 Print: 8	.830 S Apr 1	1 2025 MiTek Industries, Inc. Thu Aug 28 15:11:33	Page: 1	

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Aug 28 15:11:33 ID:FogodrQdAJ2S4tDz1dGQAyyE?Sn-Vjmdk1CUeWFfRCLSKUwUdhV6aYIDOHfZ4?VIXhyjIEO



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	0.77	Vert(LL)	-0.14	14-15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.22	14-15	>714	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.04	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 100 lb	FT = 20%F, 11%E

LUMBER

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

**BRACING** 

TOP CHORD

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc **BOT CHORD** 

bracing, Except:

6-0-0 oc bracing: 19-20.

REACTIONS (lb/size) 14=681/0-3-8, (min. 0-1-8),

19=1483/0-3-8, (min. 0-1-8), 22=535/0-3-8, (min. 0-1-8) Max Grav 14=687 (LC 7), 19=1483 (LC 1),

22=607 (LC 3)

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

2-3=-924/0, 3-4=-924/0, 4-5=-924/0, 5-6=0/579, 6-7=0/590, 7-8=0/590,

8-9=-1550/0, 9-10=-2073/0, 10-11=-2073/0,

11-12=-2073/0

21-22=0/659, 20-21=0/924, 19-20=-53/639, BOT CHORD 18-19=0/1124, 17-18=0/1937, 16-17=0/1937,

15-16=0/2073, 14-15=0/1422

**WEBS** 4-20=-701/0, 6-19=-318/0, 10-16=-289/0,

2-22=-820/0, 2-21=-30/338, 5-19=-936/0, 5-20=0/904, 12-14=-1523/0, 12-15=0/732, 8-19=-1680/0, 8-18=0/575, 9-18=-534/0,

9-16=-7/455

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

LOAD CASE(S) Standard

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

Plate Increase=1.00 Uniform Loads (lb/ft)

Vert: 14-22=-10, 1-6=-176, 6-13=-100

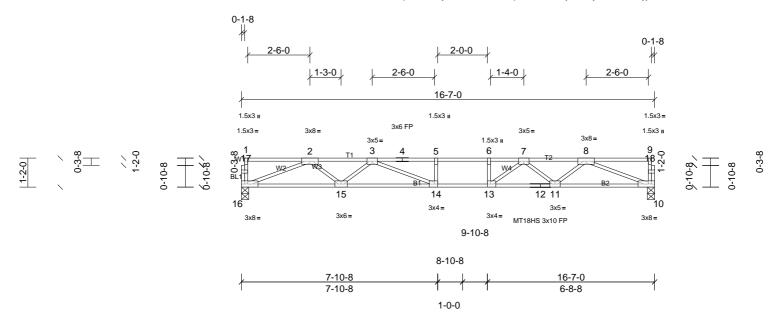




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	F204	Floor	1	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Aug 28 15:11:34 ID:r1axiF0kt35eqFuBri7h64yE?S1-zvK?xND6PqNW3MweuBRjAv2DBy5X7fuiJfFr37yjIEN

Page: 1



Loading Spacing 2-0-0 CSI **DEFL** I/defI L/d **PLATES** GRIP (psf) (loc) 40.0 Plate Grip DOL 1.00 TC -0.27 14-15 >720 480 MT18HS 244/190 **TCLL** 0.97 Vert(LL) BC 360 244/190 **TCDL** 30.0 Lumber DOL 1.00 0.72 Vert(CT) -0.50 14-15 >391 MT20 **BCLL** 0.0 Rep Stress Incr YES WB 0.78 Horz(CT) 0.07 10 n/a n/a IRC2015/TPI2014 **BCDL** 5.0 Matrix-SH Weight: 80 lb FT = 20%F, 11%E Code

1-0-0

#### LUMBER

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

#### **BRACING**

**FORCES** 

TOP CHORD Structural wood sheathing directly applied,

except end verticals.

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

bracing. REACTIONS (lb/size)

10=1216/0-3-8, (min. 0-1-8), 16=1216/0-3-8, (min. 0-1-8)

(lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown. TOP CHORD

2-3=-3460/0, 3-4=-4734/0, 4-5=-4734/0, 5-6=-4734/0, 6-7=-4734/0, 7-8=-3415/0

**BOT CHORD** 15-16=0/2658, 14-15=0/4189, 13-14=0/4734,

12-13=0/4165, 11-12=0/4165, 10-11=0/2654

5-14=-275/0, 6-13=-412/0, 2-16=-2850/0, 2-15=0/1044, 3-15=-950/0, 3-14=0/889,

8-10=-2846/0, 8-11=0/990, 7-11=-976/0,

7-13=0/959

## **NOTES**

**WEBS** 

- Unbalanced floor live loads have been considered for this design.
- 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.
- 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.

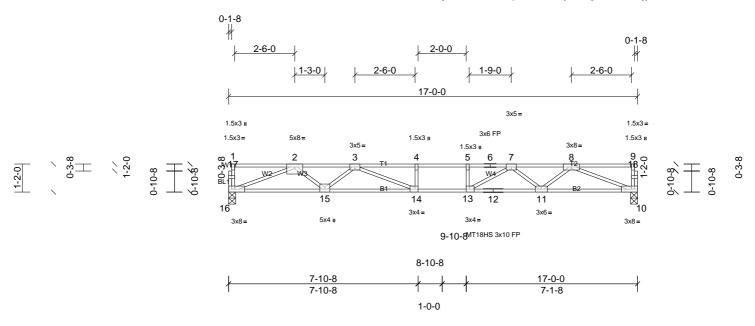




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	F205	Floor	17	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Aug 28 15:11:34 ID:z4viZKaDoV0\_zU\_D54TiW\_yE?RI-zvK?xND6PqNW3MweuBRjAv2HYy5w7fYiJfFr37yjIEN

Page: 1



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	0.75	Vert(LL)	-0.27	14-15	>756	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.49	14-15	>413	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.08	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 82 lb	FT = 20%F, 11%E

1-0-0

## LUMBER

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

#### **BRACING**

**FORCES** 

**WEBS** 

**NOTES** 

TOP CHORD Structural wood sheathing directly applied or

5-6-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

**BOT CHORD** 

bracing.

REACTIONS (lb/size) 10=1247/0-3-8, (min. 0-1-8), 16=1247/0-3-8, (min. 0-1-8)

(lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown. TOP CHORD

2-3=-3569/0, 3-4=-4992/0, 4-5=-4992/0, 5-6=-4992/0, 6-7=-4992/0, 7-8=-3537/0

**BOT CHORD** 15-16=0/2733, 14-15=0/4341, 13-14=0/4992,

12-13=0/4315, 11-12=0/4315, 10-11=0/2732

4-14=-300/0, 5-13=-382/0, 2-16=-2931/0,

2-15=0/1089, 3-15=-1004/0, 3-14=0/998,

8-10=-2930/0, 8-11=0/1048, 7-11=-1012/0,

7-13=0/1041

#### Unbalanced floor live loads have been considered for this design.

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. 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.

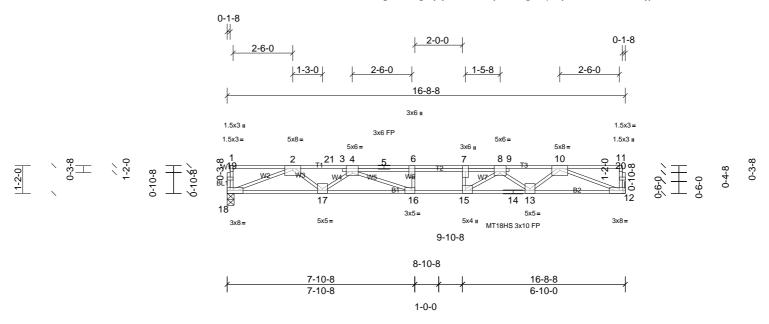




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	F206	Floor	3	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Aug 28 15:11:35 ID:DdXO9rlsgxZTAiZlcgYnyeyE?QM-R5tN9jEkA8VNgWUqSvzyi6aQLLQ6s5orYI\_ObayjIEM

Page: 1



2-0-0 CSI **DEFL** I/defI L/d **PLATES** GRIP Loading (psf) Spacing (loc) 40.0 Plate Grip DOL 1.00 TC 16-17 >946 480 MT18HS 244/190 **TCLL** 0.88 Vert(LL) -0.21 BC 360 244/190 **TCDL** 30.0 Lumber DOL 1.00 0.76 Vert(CT) -0.4516-17 >437 MT20 **BCLL** 0.0 Rep Stress Incr NO WB 0.87 Horz(CT) 0.08 12 n/a n/a **BCDL** 5.0 IRC2015/TPI2014 Matrix-SH Weight: 90 lb FT = 20%F, 11%E Code

1-0-0

#### 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)

#### **BRACING**

TOP CHORD Structural wood sheathing directly applied or

4-11-2 oc purlins, except end verticals.

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

bracing.

**REACTIONS** (lb/size) 12=1312/ Mechanical,

18=1342/0-3-8, (min. 0-1-8)

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

(ib) or less except when shown. TOP CHORD 2-21=-3947/0, 3-21=-3947/0, 3-4=-3940/0,

4-5=-5760/0, 5-6=-5760/0, 6-7=-5760/0,

7-8=-5760/0, 8-9=-3778/0, 9-10=-3800/0

BOT CHORD 17-18=0/2953, 16-17=0/4941, 15-16=0/5760,

14-15=0/4748, 13-14=0/4748, 12-13=0/2882 WEBS 6-16=-374/0, 7-15=-697/0, 2-18=-3167/0,

2-17=0/1293, 4-17=-1263/0, 4-16=0/1134,

10-12=-3091/0, 10-13=0/1195, 8-13=-1204/0,

8-15=0/1432

# NOTES

- Unbalanced floor live loads have been considered for this design.

  All plates are MT20 plates upless atherwise indicated.

  All plates are MT20 plates upless atherwise indicated.
- 2) All plates are MT20 plates unless otherwise indicated.
- Refer to girder(s) for truss to truss connections.
- 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.
- 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.

## LOAD CASE(S) Standard

Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (lb/ft)

Vert: 12-18=-10, 1-21=-140, 7-21=-176, 7-11=-140





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	F207	Floor	9	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Aug 28 15:11:35 ID:aFzcOgxRKp4VRnMYVX9a0GyjanG-R5tN9jEkA8VNgWUqSvzyi6aUGLbGslJrYI\_ObayjIEM

0-1-8

I/defI

>999

n/a

n/a n/a

(loc)

3-4

3

n/a

0.00

0.00

L/d

999

360

**PLATES** 

Weight: 15 lb

MT20

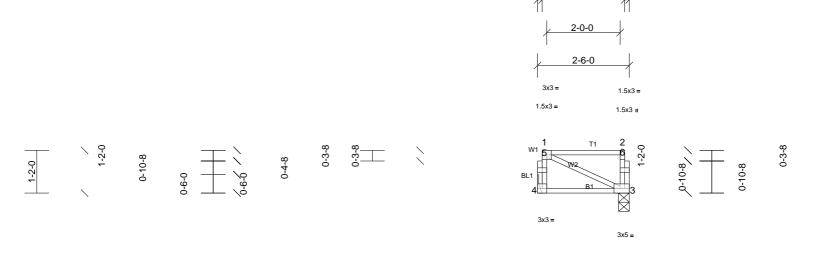
GRIP

244/190

FT = 20%F, 11%E

0-1-8

Page: 1



**DEFL** 

0.63

0.05

0.00

Vert(LL)

Vert(CT)

Horz(CT)

CSI

TC

вс

WB

Matrix-P

	118	AF	3E	
ட	ш	VI C	36	: 1

Loading

TCLL

**TCDL** 

**BCLL** 

**BCDL** 

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

## **BRACING**

TOP CHORD Structural wood sheathing directly applied or

(psf)

40.0

48.0

0.0

5.0

Spacing

Code

Plate Grip DOL

Rep Stress Incr

Lumber DOL

2-0-0

1.00

1.00

YES

IRC2015/TPI2014

2-6-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc **BOT CHORD** 

bracing.

REACTIONS (lb/size) 3=198/0-3-8, (min. 0-1-8), 4=198/

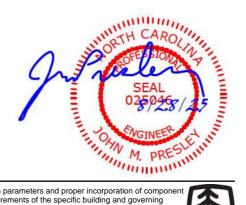
Mechanical

(lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown.

# **FORCES NOTES**

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

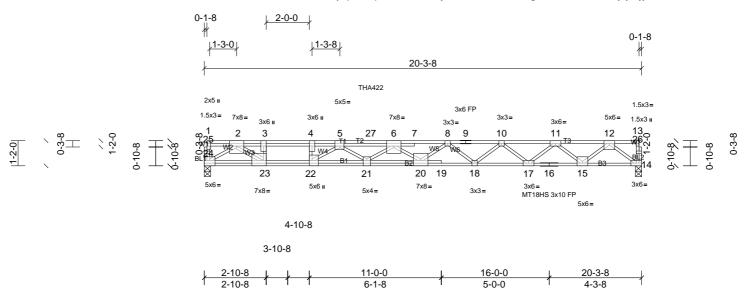




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	FG1	Floor Girder	1	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Aug 28 15:11:36 ID:jHq03Cnxq0m89H4Hdh6wJFyE?FQ-vIRmM3ENxRdEIg31?cUBFK7azlkLbbr?nyky70yjIEL

Page: 1



1-0-0

1-0-0

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	0.95	Vert(LL)	-0.48	20-21	>501	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.66	20-21	>365	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.07	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 130 lb	FT = 20%F, 11%E

LUMBER

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

**BRACING** 

TOP CHORD Structural wood sheathing directly applied or

4-0-3 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc **BOT CHORD** 

bracing. REACTIONS (lb/size)

14=1174/0-3-8, (min. 0-1-8), 24=1234/0-3-8, (min. 0-1-8) Max Grav 14=1191 (LC 4), 24=1234 (LC 1)

(lb) - Max. Comp./Max. Ten. - All forces 250

**FORCES** (lb) or less except when shown. TOP CHORD

2-3=-4049/0, 3-4=-4049/0, 4-5=-4049/0, 5-27=-6725/0, 6-27=-6725/0, 6-7=-6440/0, 7-8=-6438/0, 8-9=-5599/0, 9-10=-5599/0,

10-11=-4472/0, 11-12=-2612/0

**BOT CHORD** 23-24=0/1884, 22-23=0/4049, 21-22=0/6122,

20-21=0/6861, 19-20=0/6069, 18-19=0/6076, 17-18=0/5201, 16-17=0/3692, 15-16=0/3692,

14-15=0/1505

**WEBS** 2-24=-2176/0, 2-23=0/2817, 12-14=-1885/0,

12-15=0/1442, 11-15=-1405/0, 11-17=0/1015, 10-17=-950/0. 10-18=0/518. 8-18=-620/0. 8-20=0/460 6-20=-525/0 5-21=0/748

5-22=-2557/0, 3-23=-1243/0, 4-22=0/910

## **NOTES**

- 1) Unbalanced floor live loads have been considered for this design.
- 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.
- 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 at 7-8-12 from the left end to connect truss(es) to back face of top chord.
- Fill all nail holes where hanger is in contact with lumber.

7) 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 Uniform Loads (lb/ft)

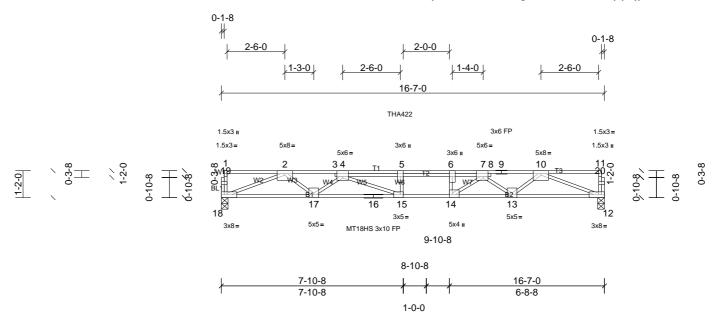
Vert: 14-24=-10, 1-13=-100 Concentrated Loads (lb) Vert: 27=-216 (B)





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR	
72524121	FG2	Floor Girder	1	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. I	Run: 8.83 S Apr	1 2025 Print: 8	.830 S Apr 1	1 2025 MiTek Industries, Inc. Thu Aug 28 15:11:36	Page: 1	

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Aug 28 15:11:36 ID:9wPDsvsVaW4cYkLCLVRSonyE\_LD-vIRmM3ENxRdElg31?cUBFK7aflmDbYP?nyky70yjIEL



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	0.91	Vert(LL)	-0.26	15-17	>764	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.45	15-17	>435	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.08	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 89 lb	FT = 20%F, 11%E

1-0-0

LUMBER

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

**BRACING** 

**BOT CHORD** 

TOP CHORD Structural wood sheathing directly applied or

4-10-5 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (lb/size) 12=1299/0-3-8, (min. 0-1-8), 18=1310/0-3-8, (min. 0-1-8)

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

2-3=-3825/0, 3-4=-3798/0, 4-5=-5674/0, TOP CHORD

5-6=-5674/0, 6-7=-5674/0, 7-8=-3718/0,

8-9=-3749/0, 9-10=-3749/0

**BOT CHORD** 17-18=0/2873, 16-17=0/4772, 15-16=0/4772, 14-15=0/5674, 13-14=0/4681, 12-13=0/2851 **WEBS** 5-15=-353/0, 6-14=-803/0, 10-12=-3058/0,

10-13=0/1169, 7-13=-1184/0, 7-14=0/1564, 2-18=-3081/0, 2-17=0/1239, 4-17=-1203/0,

4-15=0/1071

# NOTES

- 1) Unbalanced floor live loads have been considered for
- 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.
- 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 at 7-8-12 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.
- 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

Uniform Loads (lb/ft) Vert: 12-18=-10, 1-11=-140 Concentrated Loads (lb) Vert: 5=-176 (F)

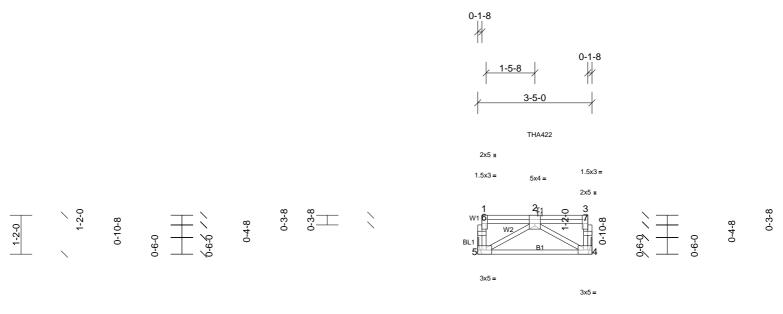




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	FG3	Floor Girder	1	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Aug 28 15:11:37 ID:2YMeRnnRhJzYswzaSXeE7TyE?I?-NU?8aPF?ill5wqeDZK?QoXgzi9EGKBC8?cTVgSyjIEK

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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	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.20	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.10	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 24 lb	FT = 20%F, 11%E

## LUMBER

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

**BRACING** 

TOP CHORD Structural wood sheathing directly applied or

3-5-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

**BOT CHORD** 

bracing.

REACTIONS (lb/size) 4=316/ Mechanical, 5=316/

Mechanical

(lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown. 4-5=0/376

**BOT CHORD** 

**WEBS** 2-4=-437/0, 2-5=-437/0

## NOTES

**FORCES** 

- Refer to girder(s) for truss to truss connections.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 1-10-4 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.
- 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

Vert: 2=-297 (F)

Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (lb/ft) Vert: 4-5=-10, 1-3=-100 Concentrated Loads (lb)



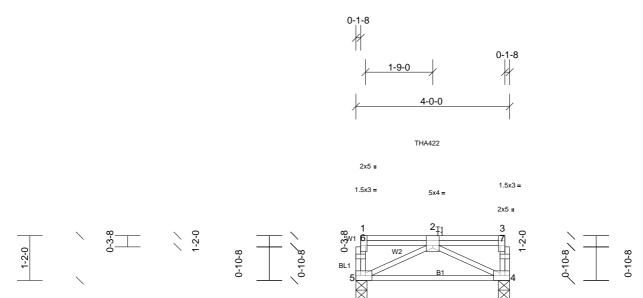


Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	FG4	Floor Girder	1	1	Job Reference (optional)

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3x5 =

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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	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.51	Vert(CT)	-0.03	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.01	4	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 27 lb	FT = 20%F, 11%E

3x5 =

#### LUMBER

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

#### **BRACING**

TOP CHORD Structural wood sheathing directly applied or

4-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc **BOT CHORD** 

bracing.

REACTIONS (lb/size) 4=806/0-3-8, (min. 0-1-8),

5=806/0-3-8, (min. 0-1-8)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown. **BOT CHORD** 4-5=0/1313

**WEBS** 2-4=-1474/0, 2-5=-1474/0

## 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/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 1-10-4 from the left end to connect truss(es) to back face of top chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
- 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 Uniform Loads (lb/ft) Vert: 4-5=-10, 1-3=-100

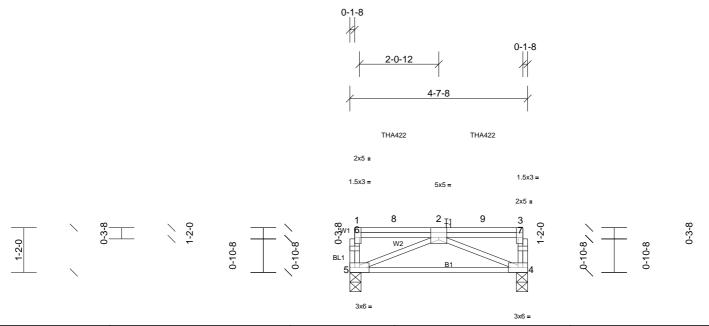
Concentrated Loads (lb) Vert: 2=-1212 (B)





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	FG5	Floor Girder	1	1	Job Reference (optional)

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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	0.86	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.06	4-5	>878	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.01	4	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 31 lb	FT = 20%F, 11%E

## LUMBER

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

#### **BRACING**

**FORCES** 

TOP CHORD Structural wood sheathing directly applied or

4-7-8 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

**BOT CHORD** 

bracing. REACTIONS (lb/size)

4=1487/0-3-8, (min. 0-1-8), 5=1499/0-3-8, (min. 0-1-8)

(lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown. 5-6=-597/0, 1-6=-595/0, 4-7=-584/0, TOP CHORD

3-7=-583/0

**BOT CHORD** 4-5=0/2009

**WEBS** 2-4=-2160/0, 2-5=-2159/0

## **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/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached 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 2-3-12 oc max. starting at 1-1-12 from the left end to 3-5-8 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 Uniform Loads (lb/ft) Vert: 4-5=-10, 1-3=-140 Concentrated Loads (lb)

Vert: 8=-1175 (B), 9=-1173 (B)

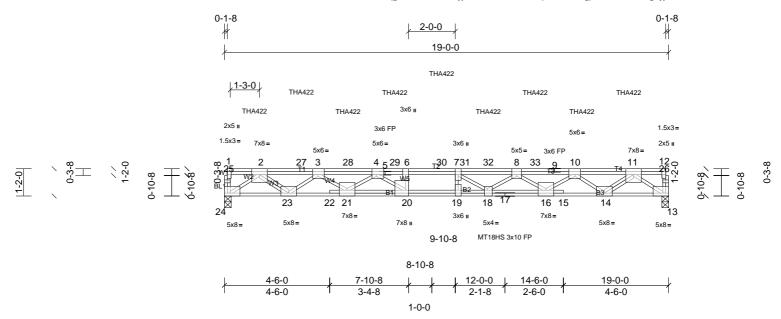




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	FG6	Floor Girder	1	1	Job Reference (optional)

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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	0.64	Vert(LL)	-0.26	18-19	>851	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.58	18-19	>388	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.10	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 138 lb	FT = 20%F, 11%E

1-0-0

LUMBER

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

**BRACING** 

TOP CHORD Structural wood sheathing directly applied or

5-8-7 oc purlins, except end verticals.

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

bracing.

REACTIONS (lb/size) 13=1697/0-3-8, (min. 0-1-8), 24=1712/0-3-8, (min. 0-1-8)

Max Grav 13=1846 (LC 4), 24=1825 (LC 3)

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

TOP CHORD 2-27=-4003/0, 3-27=-4003/0, 3-28=-6858/0, 4-28=-6858/0, 4-5=-8800/0, 5-29=-8800/0,

6-29=-8800/0, 6-30=-8800/0, 7-30=-8800/0, 7-31=-8677/0, 31-32=-8677/0, 8-32=-8677/0,

8-33=-7094/0, 9-33=-7094/0, 9-10=-7094/0, 10-11=-4078/0

BOT CHORD 23-24=0/2522, 22-23=0/5782, 21-22=0/5769, 20-21=0/7934, 19-20=0/8800, 18-19=0/8800,

17-18=0/8318, 16-17=0/8318, 15-16=0/5895,

14-15=0/5910. 13-14=0/2542

**WEBS** 6-20=-594/0, 7-19=-453/62, 2-24=-3048/0, 2-23=0/1957. 3-23=-2223/0. 3-21=0/1468. 4-21=-1608/0, 4-20=0/1707, 11-13=-3071/0 11-14=0/2031, 10-14=-2287/0, 10-16=0/1488,

8-16=-1518/0, 8-18=0/1098, 7-18=-1007/211

## **NOTES**

- 1) Unbalanced floor live loads have been considered for this design.
- 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.
- 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 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 6-0-0 oc max. starting at 1-3-8 from the left end to 17-3-8 to connect truss(es) to back face of top chord.
- 7) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 5-3-8 from the left end to 7-3-8 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 Uniform Loads (lb/ft)

> Vert: 13-24=-10, 1-6=-140, 6-31=-176, 12-31=-140 Concentrated Loads (lb)

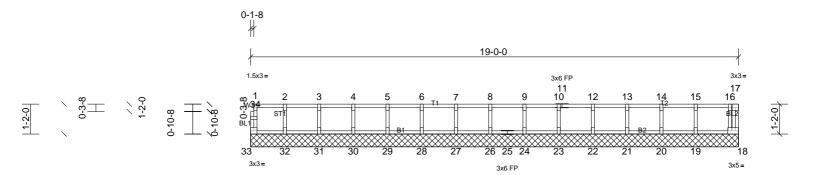
Vert: 2=-58 (B), 11=-58 (B), 10=-58 (B), 27=-58 (B), 28=-58 (B), 29=-58 (B), 30=-58 (B), 32=-58 (B), 33=-58 (B)





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	K200	Floor Supported Gable	1	1	Job Reference (optional)

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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	0.09	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							Weight: 81 lb	FT = 20%F, 11%E

## LUMBER

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

**BRACING** 

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

**BOT CHORD** 

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, 26, 27, 28, 29, 30, 31, 32, 33

(lb) - Max. Comp./Max. Ten. - All forces 250

**FORCES** 

(lb) or less except when shown.

#### NOTES

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

LOAD CASE(S) Standard



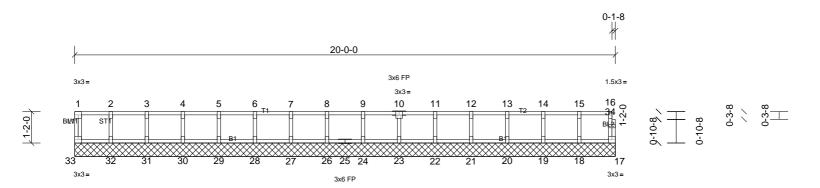


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Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	K201	Floor Supported Gable	1	1	Job Reference (optional)

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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	17	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 84 lb	FT = 20%F, 11%E

## LUMBER

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

#### **BRACING**

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc **BOT CHORD** 

bracing.

REACTIONS All bearings 20-0-0.

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

26, 27, 28, 29, 30, 31, 32, 33

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

# **FORCES** NOTES

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

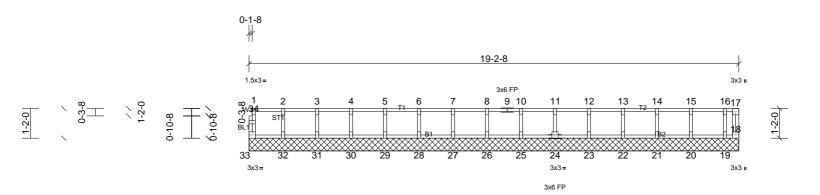




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	K202	Floor Supported Gable	1	1	Job Reference (optional)

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Page: 1



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	0.02	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							Weight: 81 lb	FT = 20%F, 11%E

## LUMBER

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

# **BRACING**

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc **BOT CHORD** 

bracing.

REACTIONS All bearings 19-2-8.

(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

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

# **FORCES** NOTES

- 1) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) CAUTION, Do not erect truss backwards.

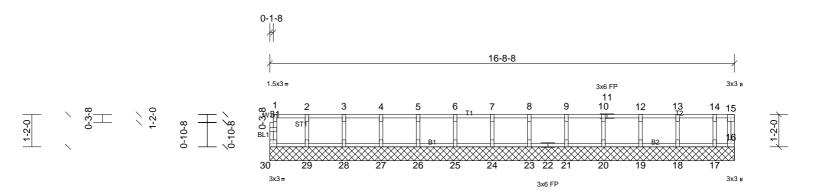




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	K203	Floor Supported Gable	1	1	Job Reference (optional)

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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	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	16	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 71 lb	FT = 20%F, 11%E

## LUMBER

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

#### **BRACING**

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc **BOT CHORD** 

bracing.

REACTIONS All bearings 16-8-8.

(lb) - Max Grav All reactions 250 (lb) or less at joint (s) 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30

(lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown.

# **FORCES** NOTES

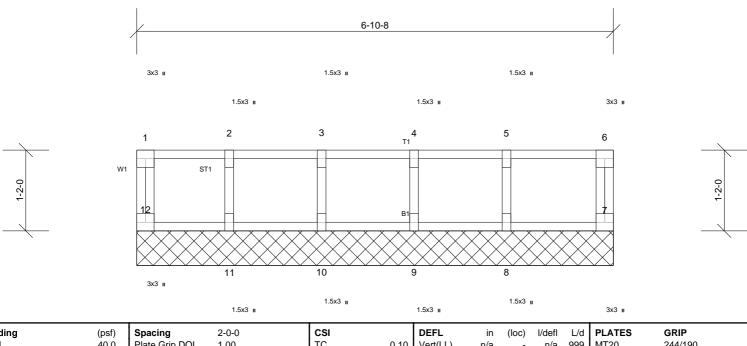
- 1) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) CAUTION, Do not erect truss backwards.





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72524121	K204	Floor Supported Gable	1	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Thu Aug 28 15:11:39 ID:6kHpOvkk48bceYi?wZjoaTyE\_Io-Js7u?4HFEM?p97ochl1utyllYzzYo6pRTwyckLyjlEI



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	0.10	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	NO	WB	0.03	Horiz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 31 lb	FT = 20%F, 11%E

## LUMBER

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

#### **BRACING**

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc **BOT CHORD** 

bracing.

REACTIONS All bearings 6-10-8.

(lb) - Max Grav All reactions 250 (lb) or less at joint

(s) 7, 8, 9, 10, 11, 12

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown.

## NOTES

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

LOAD CASE(S) Standard





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