Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	F200	Floor	6	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:10 ID:a?q6?71yTv6SHVH?OlZqv2z8gqv-ffGm6c?QA5VhyO1TXW\_cMkTXWvB\_6xOr4vp9X6yqc0t

1-0-0

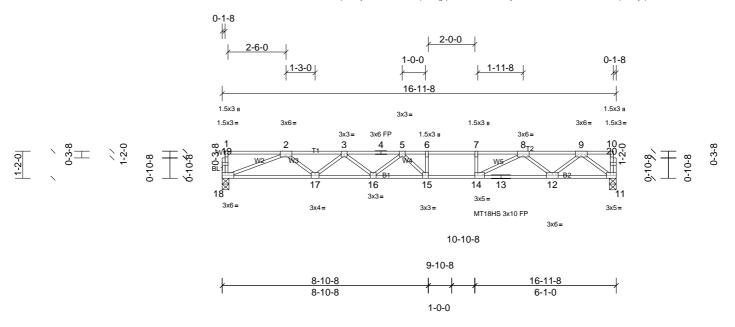
0.05

11

n/a

Horz(CT)

Page: 1



0.96

0.71

0.58

CSI

TC

BC

WB

Matrix-SH

**DEFL** I/defI L/d **PLATES** GRIP (loc) -0.30 15-16 >669 480 MT18HS 244/190 Vert(LL) 360 244/190 Vert(CT) -0.41 15-16 >486 MT20

BCDL LUMBER

Loading

**TCLL** 

**TCDL** 

**BCLL** 

| 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,

(psf)

40.0

10.0

0.0

5.0

except end verticals.

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

bracing. **REACTIONS** (lb/size)

18=913/0-3-8, (min. 0-1-8) FORCES (lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown.

TOP CHORD 2-3=-2597/0, 3-4=-3455/0, 4-5=-3455/0,

5-6=-3525/0, 6-7=-3525/0, 7-8=-3525/0,

8-9=-1896/0

BOT CHORD 17-18=0/1991, 16-17=0/3172, 15-16=0/3655,

14-15=0/3525, 13-14=0/2649, 12-13=0/2649,

11=913/0-3-8, (min. 0-1-8),

Spacing

Code

Plate Grip DOL

Rep Stress Incr

Lumber DOL

2-0-0

1.00

1.00

YES

IRC2015/TPI2014

11-12=0/1141

WEBS 7-14=-343/0, 2-18=-2135/0, 2-17=0/789,

3-17=-748/0, 3-16=0/368, 5-16=-320/0, 5-15=-419/309, 9-11=-1429/0, 9-12=0/983,

8-12=-980/0, 8-14=0/1121

#### NOTES

- 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.

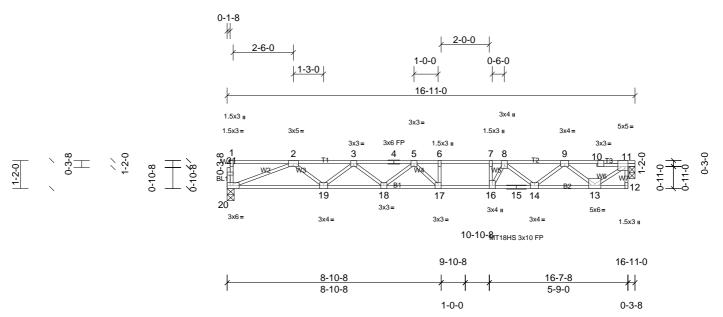




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR	
72521942	F201	Floor	1	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. I	Run: 8.83 S Apr 11	2025 Print: 8	.830 S Apr 1	1 2025 MiTek Industries, Inc. Wed Aug 06 10:57:11	Page: 1	

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:11 ID: a?q6?71yTv6SHVH?OIZqv2z8gqv-7rq8Ky?3xPdYZYcf5EVrvy0m?JZUrOB?IZYi3Yyqc0s

1-0-0



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	0.65	Vert(LL)	-0.26	17-18	>754	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.63	Vert(CT)	-0.36	17-18	>546	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.02	11	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 84 lb	FT = 20%F, 12%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**

**FORCES** 

**BOT 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.

REACTIONS (lb/size) 11=904/0-3-0, (min. 0-1-8), 20=898/0-3-8, (min. 0-1-8)

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

(lb) or less except when shown. TOP CHORD

2-3=-2542/0, 3-4=-3362/0, 4-5=-3362/0,

5-6=-3404/0, 6-7=-3404/0, 7-8=-3404/0,

8-9=-2483/0, 9-10=-1031/0, 10-11=-1036/0 19-20=0/1953, 18-19=0/3098, 17-18=0/3550,

16-17=0/3404, 15-16=0/3096, 14-15=0/3096,

13-14=0/1913

**WEBS** 2-20=-2095/0, 2-19=0/767, 3-19=-723/0,

3-18=0/344, 5-18=-295/0, 5-17=-410/271 11-13=0/1287, 9-13=-1147/0, 9-14=0/742,

8-14=-798/0, 7-16=-622/0, 8-16=0/914

#### **NOTES**

- 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.
- Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
- CAUTION, Do not erect truss backwards.

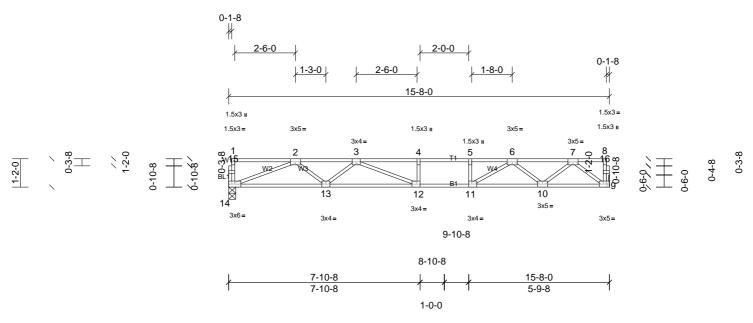




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	F202	Floor	3	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:11 ID:a?q6?71yTv6SHVH?OIZqv2z8gqv-7rq8Ky?3xPdYZYcf5EVrvy0iHJUfrPP?IZYi3Yyqc0s

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	0.96	Vert(LL)	-0.31	12-13	>592	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.93	Vert(CT)	-0.42	12-13	>438	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.05	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 76 lb	FT = 20%F, 12%E

1-0-0

LUMBER

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

**BRACING** 

**BOT CHORD** 

TOP CHORD Structural wood sheathing directly applied or

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

bracing.

REACTIONS (lb/size) 9=842/ Mechanical, 14=842/0-3-8, (min. 0-1-8)

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

(lb) or less except when shown. 2-3=-2364/0, 3-4=-3053/0, 4-5=-3053/0,

TOP CHORD 5-6=-3053/0, 6-7=-1717/0

13-14=0/1823, 12-13=0/2826, 11-12=0/3053,

10-11=0/2388, 9-10=0/1048 **WEBS** 

5-11=-322/0, 2-14=-1954/0, 2-13=0/704,

3-13=-602/0, 3-12=-60/583, 7-9=-1313/0, 7-10=0/870, 6-10=-874/0, 6-11=0/943

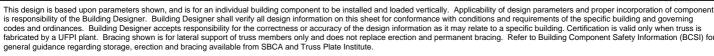
NOTES

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.

Unbalanced floor live loads have been considered for

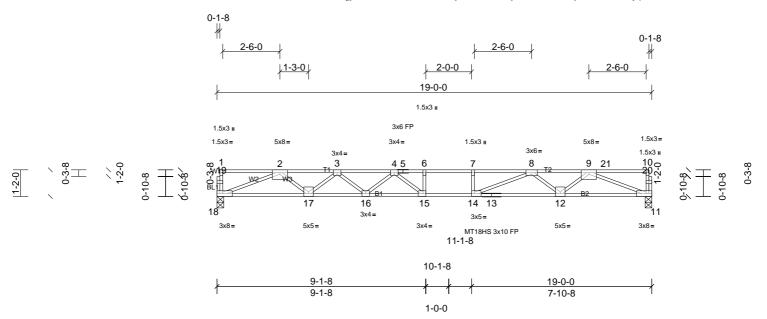
Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR	
72521942	F203	Floor	9	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S.	Run: 8.83 S Apr 11	2025 Print: 8	.830 S Apr 1	1 2025 MiTek Industries, Inc. Wed Aug 06 10:57:12	Page: 1	

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:12 ID:gybFDKc1Jhrnb30WAxcCoLz1jXX-b2OWXI0hijIOBiBsfx04R9YuijsoanC8XDIGb\_yqc0r



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	0.85	Vert(LL)	-0.36	15-16	>617	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.59	14-15	>382	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.10	11	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 92 lb	FT = 20%F, 12%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** 

TOP CHORD Structural wood sheathing directly applied or

5-1-3 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc **BOT CHORD** 

bracing.

REACTIONS (lb/size) 11=1397/0-3-8, (min. 0-1-8), 18=1160/0-3-8, (min. 0-1-8)

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

(lb) or less except when shown.

2-3=-3517/0, 3-4=-4944/0, 4-5=-5753/0, TOP CHORD

5-6=-5753/0, 6-7=-5753/0, 7-8=-5753/0,

8-9=-3935/0

BOT CHORD 17-18=0/2611, 16-17=0/4381, 15-16=0/5475,

14-15=0/5753, 13-14=0/4807, 12-13=0/4807,

11-12=0/3014

**WEBS** 6-15=-380/0, 7-14=-361/0, 2-18=-2802/0,

2-17=0/1180, 3-17=-1126/0, 3-16=0/732, 4-16=-692/0, 4-15=-30/816, 8-14=0/1253,

8-12=-1135/0, 9-12=0/1199, 9-11=-3231/0

#### **NOTES**

- 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.

#### LOAD CASE(S) Standard

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

Vert: 11-18=-10, 1-4=-100, 4-21=-140, 10-21=-176

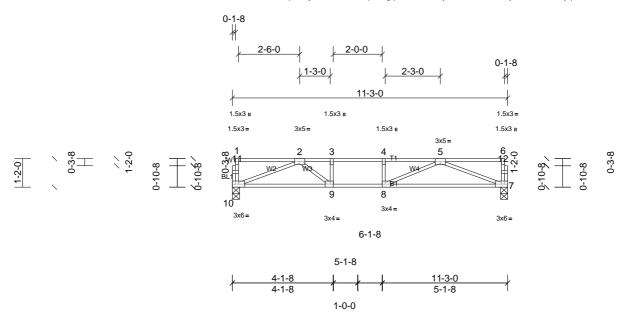




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	F204	FLOOR	2	1	Job Reference (optional)

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Page: 1



Loading Spacing 2-0-0 CSI **DEFL** I/defI L/d **PLATES** GRIP (psf) (loc) TCLL 40.0 Plate Grip DOL 1.00 TC -0.15 7-8 >859 480 244/190 0.86 Vert(LL) MT20 **TCDL** BC 360 30.0 Lumber DOL 1.00 0.86 Vert(CT) -0.297-8 >454 **BCLL** 0.0 Rep Stress Incr YES WB 0.48 Horz(CT) 0.03 7 n/a n/a IRC2015/TPI2014 **BCDL** 5.0 Matrix-SH Weight: 55 lb FT = 20%F, 12%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

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

bracing.

REACTIONS (lb/size) 7=816/0-3-8, (min. 0-1-8),

10=816/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-2128/0, 3-4=-2128/0, 4-5=-2128/0 BOT CHORD 9-10=0/1647, 8-9=0/2128, 7-8=0/1639 **WEBS** 

3-9=-377/0, 2-10=-1762/0, 2-9=0/751,

5-7=-1754/0, 5-8=0/668

# **NOTES**

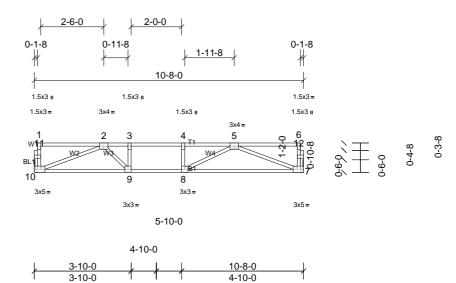
- Unbalanced floor live loads have been considered for this design. This truss is designed in accordance with the 2015
- International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each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





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	F205	Floor	3	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:13  $ID: a?q6?71yTv6SHVH?OIZqv2z8gqv-3Eyule1JT0tFpsm2CeYJ\_N56c7FUJM5Hms1p7Ryqc0q\\$ 



0-4-8 1-2-0

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	0.65	Vert(LL)	-0.12	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.19	7-8	>647	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 52 lb	FT = 20%F, 12%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 (lb/size) 7=567/ Mechanical, 10=567/ Mechanical

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

(lb) or less except when shown. 2-3=-1396/0, 3-4=-1396/0, 4-5=-1396/0

TOP CHORD BOT CHORD 9-10=0/1129, 8-9=0/1396, 7-8=0/1112 **WEBS** 3-9=-308/0, 2-10=-1207/0, 2-9=0/534,

5-7=-1190/0, 5-8=0/458

# **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.

LOAD CASE(S) Standard



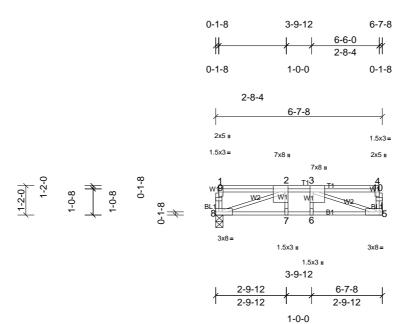


Page: 1

Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	F206	Floor	1	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:13 ID:a?q6?71yTv6SHVH?OlZqv2z8gqv-3Eyule1JT0tFpsm2CeYJ\_N56H7BRJGHHms1p7Ryqc0q

Page: 1



Loading Spacing 2-0-0 CSI **DEFL** I/defI L/d **PLATES** GRIP (psf) in (loc) 40.0 Plate Grip DOL 1.00 TC -0.09 >865 480 244/190 TCLL 0.67 Vert(LL) 5-6 MT20 BC 360 **TCDL** 10.0 Lumber DOL 1.00 0.85 Vert(CT) -0.125-6 >623 **BCLL** 0.0 Rep Stress Incr YES WB 0.77 Horz(CT) 0.02 5 n/a n/a IRC2015/TPI2014 **BCDL** 5.0 Matrix-SH Weight: 44 lb FT = 20%F, 12%E Code

LUMBER

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

**BRACING** 

**BOT 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

bracing.

REACTIONS (lb/size) 5=1247/ Mechanical, 8=1002/0-3-8,

(min. 0-1-8)

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

(lb) or less except when shown.

TOP CHORD 5-10=-254/0, 4-10=-253/0, 2-3=-2660/0

BOT CHORD 7-8=0/2660, 6-7=0/2660, 5-6=0/2660

WFBS 2-8=-2829/0, 3-5=-2815/0

#### **NOTES**

**FORCES** 

- Unbalanced floor live loads have been considered for 1) 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.
- Load case(s) 8, 10 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 Uniform Loads (lb/ft)

Vert: 5-8=-10, 1-4=-100 Concentrated Loads (lb)

Vert: 3=-1560 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft) Vert: 5-8=-10, 1-3=-100, 3-4=-20

Concentrated Loads (lb)

Vert: 3=-425

3rd chase Dead: Lumber Increase=1.00, Plate

Increase=1.00 Uniform Loads (lb/ft)

Vert: 5-8=-10, 1-3=-100, 3-4=-20

Concentrated Loads (lb)

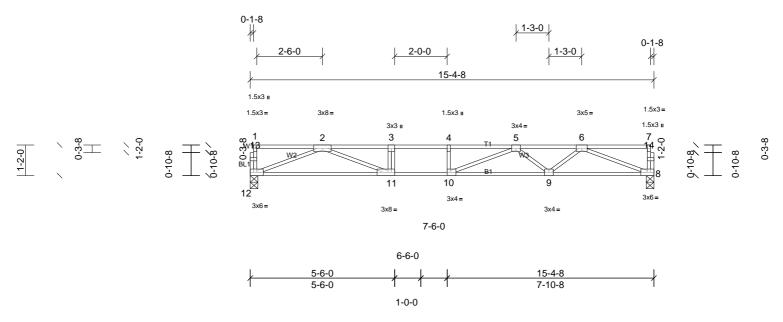
Vert: 3=-425



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	F207	FLOOR	2	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:13 ID:a?q6?71yTv6SHVH?OIZqv2z8gqv-3Eyule1JT0tFpsm2CeYJ\_N55p7EFJHDHms1p7Ryqc0q

Page: 1



1-0-0

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	0.76	Vert(LL)	-0.26	9-10	>694	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.67	Vert(CT)	-0.45	9-10	>402	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.05	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 75 lb	FT = 20%F, 12%E

# 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

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

**BOT CHORD** 

bracing. REACTIONS (lb/size)

8=900/0-3-8, (min. 0-1-8), 12=900/0-3-8, (min. 0-1-8)

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

(lb) or less except when shown. 2-3=-3169/0, 3-4=-3169/0, 4-5=-3169/0, TOP CHORD

5-6=-2511/0

**BOT CHORD** 11-12=0/1944, 10-11=0/3169, 9-10=0/3000,

8-9=0/1947

**WEBS** 3-11=-378/0, 2-12=-2084/0, 2-11=0/1350,

6-8=-2087/0, 6-9=0/735, 5-9=-636/0,

5-10=-51/486

#### NOTES

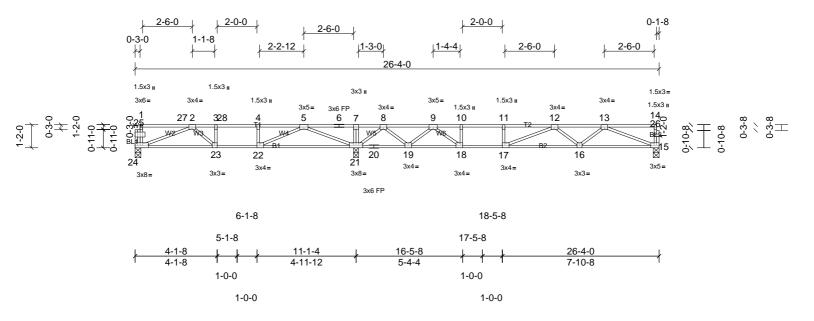
- Unbalanced floor live loads have been considered for
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (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 - TELFAIR 2ND FLR
72521942	F208	FLOOR	6	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:14 ID:a?q6?71yTv6SHVH?OIZqv2z8gqv-XQWGyz2xEK?6Q0LEmM3YXaeDBWXS2oWR?WnNgtyqc0p 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	0.91	Vert(LL)	-0.24	16-17	>768	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.33	16-17	>555	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.04	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 128 lb	FT = 20%F, 12%E

LUMBER

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(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: 19-21,18-19.

REACTIONS (lb/size) 15=585/0-3-8, (min. 0-1-8),

21=1517/0-3-0, (min. 0-1-8),

24=575/0-3-8, (min. 0-1-8) Max Grav 15=608 (LC 14), 21=1517 (LC 1),

24=612 (LC 8)

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

(lb) or less except when shown.

TOP CHORD 2-3=-1431/0, 3-28=-1431/0, 4-28=-1431/0, 4-5=-1431/0, 5-6=0/1095, 6-7=0/1095,

7-8=0/1087, 8-9=-708/218, 9-10=-1903/0, 10-11=-1903/0, 11-12=-1903/0,

12-13=-1657/0

23-24=0/1241, 22-23=0/1431, 21-22=0/781, **BOT CHORD** 

20-21=-418/140, 19-20=-418/140, 18-19=-10/1309, 17-18=0/1903, 16-17=0/1945, 15-16=0/1295

**WEBS** 4-22=-306/0, 10-18=-352/0, 2-24=-1315/0, 2-23=0/253. 5-21=-1635/0. 5-22=0/853.

8-21=-1081/0, 8-19=0/772, 9-19=-837/0, 9-18=0/878, 13-15=-1387/0, 13-16=0/471, 12-16=-376/0, 12-17=-270/142

## **NOTES**

- Unbalanced floor live loads have been considered for 1) 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.

- 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.

# LOAD CASE(S) Standard

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

Plate Increase=1.00 Uniform Loads (lb/ft)

Vert: 15-24=-8, 1-27=-112, 27-28=-141, 7-28=-112,

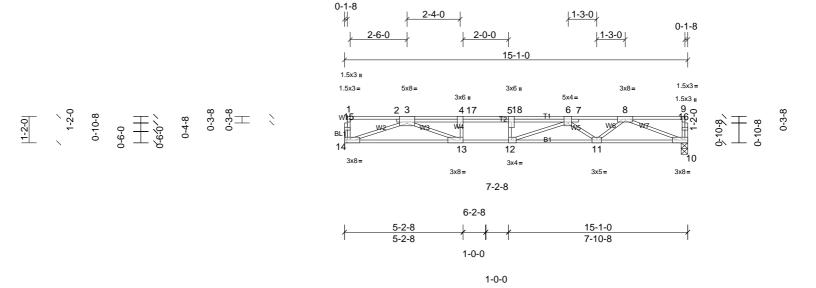
7-14=-80





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	F209	FLOOR	5	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:14 ID:a?q6?71yTv6SHVH?OIZqv2z8gqv-XQWGyz2xEK?6Q0LEmM3YXaeCHWai2h?R?WnNgtyqc0p 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	0.97	Vert(LL)	-0.19	11-12	>925	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.38	11-12	>464	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.06	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 84 lb	FT = 20%F, 12%E

# LUMBER

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

#### **BRACING**

TOP CHORD

TOP CHORD Structural wood sheathing directly applied or

4-1-9 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

BOT CHORD

bracing.

REACTIONS (lb/size) 10=1135/0-3-8, (min. 0-1-8), 14=1144/ Mechanical

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

(lb) or less except when shown. 3-4=-4248/0, 4-17=-4248/0, 5-17=-4248/0,

5-18=-4248/0, 6-18=-4248/0, 6-7=-3187/0,

7-8=-3188/0

**BOT CHORD** 13-14=0/2649, 12-13=0/4248, 11-12=0/3909, 10-11=0/2439

**WEBS** 4-13=-584/0, 3-14=-2818/0, 3-13=0/1816,

8-10=-2614/0, 8-11=0/975, 6-11=-917/0,

6-12=0/710

#### **NOTES**

- 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.
- 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

Uniform Loads (lb/ft)

Vert: 10-14=-10, 1-17=-140, 17-18=-176, 9-18=-140



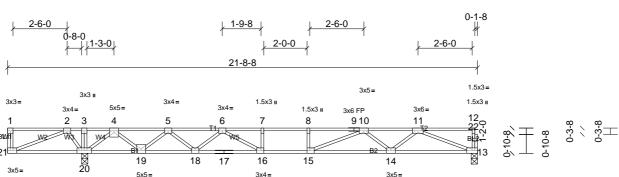




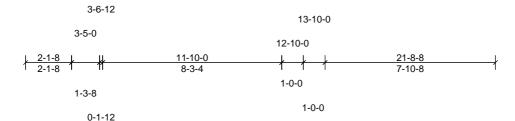
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR	
72521942	F210	Floor	2	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. N	Run: 8.83 S Apr 11	2025 Print: 8	.830 S Apr 1	1 2025 MiTek Industries, Inc. Wed Aug 06 10:57:15	Page: 1	

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:15 ID: a?q6?71yTv6SHVH?OIZqv2z8gqv-0d3fAJ2Z?e7z29wRK3an3oAQEwsHnCtaDAWwCJyqc0o

3x6=



3x4=



3x4=

MT18HS 3x10 FP

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	0.83	Vert(LL)	-0.35	15-16	>621	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.46	15-16	>467	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.07	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 108 lb	FT = 20%F, 12%E

#### LUMBER

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

# **BRACING**

TOP CHORD Structural wood sheathing directly applied or

2-2-0 oc purlins, except end verticals. Rigid ceiling directly applied or 2-2-0 oc

3x8=

**BOT CHORD** 

bracing.

REACTIONS (lb/size) 13=949/0-3-8, (min. 0-1-8), 20=1405/0-3-8, (min. 0-1-8)

Max Grav 13=975 (LC 4), 20=1405 (LC 1)

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

TOP CHORD 2-3=0/612, 3-4=0/611, 4-5=-1942/0,

5-6=-3330/0, 6-7=-4164/0, 7-8=-4164/0,

8-9=-4164/0, 9-10=-4164/0, 10-11=-2838/0

**BOT CHORD** 20-21=-298/0, 19-20=-239/1071,

18-19=0/2794, 17-18=0/3825, 16-17=0/3825, 15-16=0/4164, 14-15=0/3474, 13-14=0/2152

7-16=-278/0, 8-15=-256/0, 2-21=0/320,

2-20=-514/0, 4-20=-1585/0, 4-19=0/1175,

5-19=-1146/0, 5-18=0/732, 6-18=-692/0,

6-16=-50/851, 11-13=-2309/0, 11-14=0/893,

10-14=-828/0. 10-15=0/1001

**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.
- 5) CAUTION, Do not erect truss backwards.

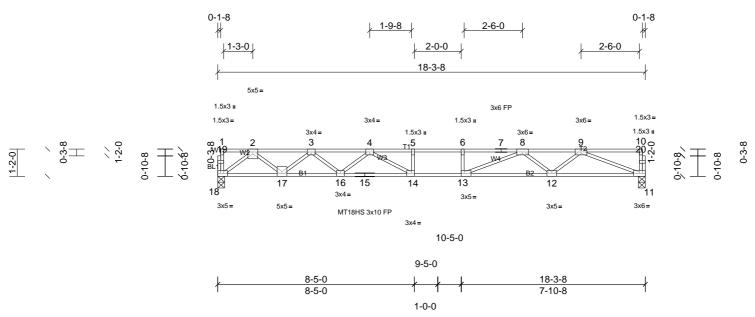




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	F211	Floor	3	1	Job Reference (optional)

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Page: 1



1-0-0

Loading	(psf)	Spacing	2-1-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.83	Vert(LL)	-0.32	13-14	>667	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.71	Vert(CT)	-0.45	14	>485	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.67	Horz(CT)	0.07	11	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 89 lb	FT = 20%F, 12%E

# 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 2-0-0 oc purlins (5-9-13 max.): 1-10

(Switched from sheeted: Spacing > 2-0-0).

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

bracing.

REACTIONS (lb/size) 11=1027/0-3-8, (min. 0-1-8), 18=1027/0-3-8, (min. 0-1-8)

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

(lb) or less except when shown. TOP CHORD

2-3=-2189/0, 3-4=-3605/0, 4-5=-4428/0, 5-6=-4428/0, 6-7=-4428/0, 7-8=-4428/0,

8-9=-2995/0

BOT CHORD 17-18=0/1287, 16-17=0/3061, 15-16=0/4107,

14-15=0/4107, 13-14=0/4428, 12-13=0/3672,

11-12=0/2268

**WEBS** 5-14=-254/0, 6-13=-276/0, 2-18=-1611/0, 2-17=0/1175, 3-17=-1135/0, 3-16=0/709,

4-16=-653/0, 4-14=-88/763, 9-11=-2433/0,

9-12=0/946, 8-12=-881/0, 8-13=0/1083

#### **NOTES**

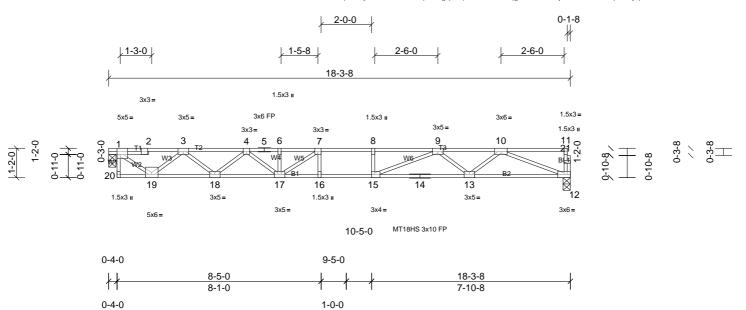
- Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated. This truss is designed in accordance with the 2015
- International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation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





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR	
72521942	F212	Floor	3	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. Wed Aug 06 10:57:16	Page: 1	

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:16 ID: a?q6?71yTv6SHVH?OIZqv2z8gqv-Upd1Nf3BmxFqgJUdun50c?jaZKAnWeckSqGTklyqc0napprox and the property of the pr



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	0.79	Vert(LL)	-0.32	15-16	>659	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	1.00	Vert(CT)	-0.44	15-16	>479	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.02	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 90 lb	FT = 20%F, 12%E

# LUMBER

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

#### **BRACING**

TOP CHORD Structural wood sheathing directly applied or

4-8-2 oc purlins, except end verticals.

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

2-2-0 oc bracing: 16-17 1-4-12 oc bracing: 15-16.

REACTIONS (lb/size) 1=977/0-3-8, (min. 0-1-8),

12=971/0-3-8, (min. 0-1-8)

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

(lb) or less except when shown. TOP CHORD

1-2=-1123/0, 2-3=-1119/0, 3-4=-2770/0,

4-5=-3829/0, 5-6=-3829/0, 6-7=-3829/0,

7-8=-4128/0, 8-9=-4128/0, 9-10=-2823/0 18-19=0/2095, 17-18=0/3415, 16-17=0/4128,

15-16=0/4128, 14-15=0/3453, 13-14=0/3453,

12-13=0/2142

**WEBS** 1-19=0/1396, 3-19=-1271/0, 3-18=0/879, 4-18=-839/0, 4-17=0/529, 7-17=-752/124,

10-12=-2297/0, 10-13=0/887, 9-13=-821/0,

9-15=0/978

# **NOTES**

**BOT CHORD** 

- 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/TPL1
- 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.
- Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
- CAUTION, Do not erect truss backwards.

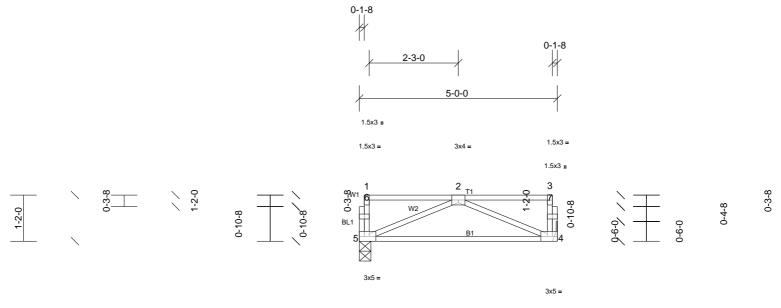




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	F213	Floor	2	1	Job Reference (optional)

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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	0.32	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.30	Vert(CT)	-0.08	4-5	>686	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 27 lb	FT = 20%F, 12%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

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

bracing.

REACTIONS (lb/size) 4=255/ Mechanical, 5=255/0-3-8,

(min. 0-1-8)

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

(lb) or less except when shown.

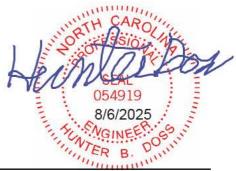
BOT CHORD 4-5=0/332

WEBS 2-5=-357/0, 2-4=-357/0

#### **NOTES**

**FORCES** 

- 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.



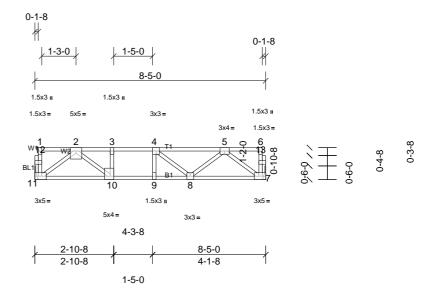


Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	F214	Floor	3	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:17 ID:22eXVdwFJYVtLYgmhyG4vWyJGcQ-Upd1Nf3BmxFqgJUdun50c?ja\_KA2WgwkSqGTklyqc0n

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	0.83	Vert(LL)	-0.07	8-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.98	Vert(CT)	-0.13	8-9	>781	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.52	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 44 lb	FT = 20%F, 12%E

#### LUMBER

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

REACTIONS (lb/size) 7=1086/ Mechanical, 11=1086/

Mechanical

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

(lb) or less except when shown. 2-3=-2088/0, 3-4=-2088/0, 4-5=-1780/0

**BOT CHORD** 10-11=0/1254, 9-10=0/2088, 8-9=0/2088,

7-8=0/1344

**WEBS** 5-7=-1681/0, 2-11=-1562/0, 5-8=0/568,

2-10=0/1084, 4-8=-446/0, 3-10=-502/0

#### **NOTES**

- 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.
- 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.
- Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

### LOAD CASE(S) Standard

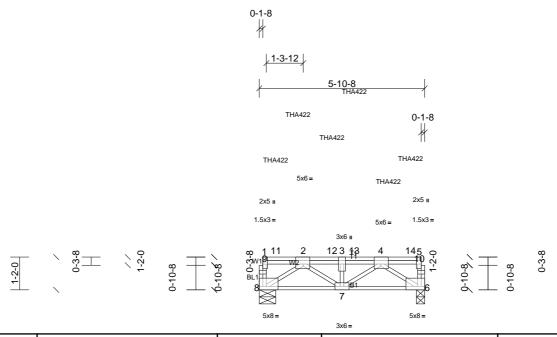
Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (lb/ft) Vert: 7-11=-10, 1-6=-260





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	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. Wed Aug 06 10:57:17 ID: a?q6?71yTv6SHVH?OIZqv2z8gqv-y?BPa?4pXFNhHT3pRUcF8DGqMkZVF5YthU?1GCyqc0m 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)	-0.03	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.05	7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.68	Horz(CT)	0.02	6	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH						Ì	Weight: 40 lb	FT = 20%F, 12%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** 

**BOT CHORD** 

TOP CHORD Structural wood sheathing directly applied or

5-10-8 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (lb/size) 6=2099/0-3-8, (min. 0-1-8), 8=2197/0-7-0, (min. 0-1-8)

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

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

8-9=-573/0, 1-9=-572/0, 6-10=-447/0, TOP CHORD

5-10=-446/0, 2-12=-3179/0, 3-12=-3179/0, 3-13=-3179/0, 4-13=-3179/0

7-8=0/2399, 6-7=0/2431

**WEBS** 2-8=-2859/0, 3-7=-1063/0, 2-7=0/957,

4-6=-2907/0, 4-7=0/918

### NOTES

**BOT CHORD** 

- 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 2-0-0 oc max. starting at 0-7-0 from the left end to 4-7-0 to connect truss(es) to front face of top chord.
- Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 1-4-8 from the left end to connect truss(es) to back face of top chord.
- Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-4-8 from the left end to 5-4-8 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: 6-8=-10, 1-5=-100 Concentrated Loads (lb)

Vert: 2=-467 (B), 4=-742 (F), 11=-772 (F), 12=-742 (F), 13=-467 (B), 14=-501 (B)

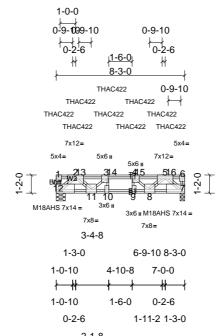




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	FG2	Floor Girder	1	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:17  $ID: a?q6?71yTv6SHVH?OIZqv2z8gqv-y?BPa?4pXFNhHT3pRUcF8DGk5ka\_F4athU?1GCyqc0m$ 

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	0.87	Vert(LL)	-0.07	9	>999	480	M18AHS	186/179
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.12	9-10	>778	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.75	Horz(CT)	0.03	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 72 lb	FT = 20%F, 12%E

LUMBER

TOP CHORD 2x4 SP No.2(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

4-11-2 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

**BOT CHORD** bracing.

REACTIONS (lb/size)

7=4220/0-3-8, (min. 0-2-15), 12=4488/0-7-0, (min. 0-3-0)

Max Grav 7=4333 (LC 4), 12=4488 (LC 1) **FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown

TOP CHORD 1-12=-1069/0, 6-7=-353/0, 2-13=-6177/0,

3-13=-6177/0, 3-14=-8139/0, 4-14=-8139/0,

4-15=-6565/0, 5-15=-6565/0

BOT CHORD 11-12=0/4168, 10-11=0/8130, 9-10=0/8139,

8-9=0/8154, 7-8=0/4853

**WEBS** 3-10=-404/377, 4-9=-451/333, 2-12=-5376/0, 2-11=0/3121, 3-11=-3263/0, 5-8=0/2743,

4-8=-2868/0, 5-7=-6260/0

# **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 THAC422 (6-16d Girder, 6-16d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-4-8 from the left end to 7-4-8 to connect truss(es) to front face of top chord.
- Use Simpson Strong-Tie THAC422 (6-16d Girder, 6-16d Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-2-2 from the left end to 6-9-8 to connect truss(es) to back 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

Uniform Loads (lb/ft)

Vert: 7-12=-10, 1-6=-100

Concentrated Loads (lb)

Vert: 1=-1092 (B), 3=-467 (F), 4=-1044 (B), 2=-467 (F), 5=-1044 (B), 13=-1044 (B), 14=-1044 (B),

15=-467 (F), 16=-1159 (F)

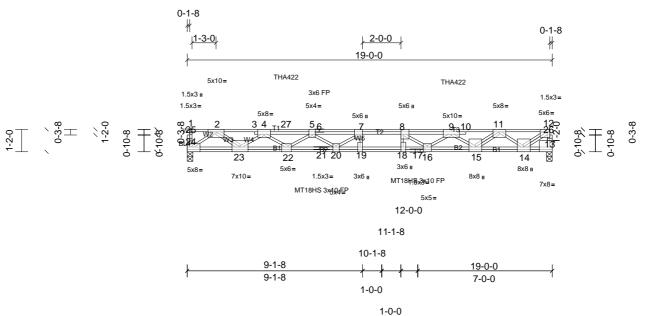




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	FG3	Floor Girder	1	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:18 ID:avbFDKctJhrnb30WAxcCoLz1iXX-QCInoL5SIZVYyde??C7UhQotz8wi Wn1v8lapevac0l





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	0.99	Vert(LL)	-0.40	18-19	>563	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.62	18-19	>364	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.07	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 141 lb	FT = 20%F, 12%E

0-10-8

LUMBER

 TOP CHORD
 2x4 SP SS(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,

except end verticals.

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

bracing.

**REACTIONS** (lb/size) 13=1944/0-3-8, (min. 0-1-8), 24=1967/0-3-8, (min. 0-1-8)

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

(lb) or less except when shown.

TOP CHORD 13-26=-1933/0, 12-26=-1929/0, 2-3=-4670/0, 3-4=-4661/0, 4-27=-8576/0, 5-27=-8576/0,

5-6=-10043/0, 6-7=-10043/0, 7-8=-10167/0, 8-9=-9590/0, 9-10=-6748/0, 10-11=-6755/0, 11-12=-2440/0

11-12=-2440/0

BOT CHORD 23-24=0/2743, 22-23=0/7198, 21-22=0/9921,

20-21=0/9921, 19-20=0/10167, 18-19=0/10167, 17-18=0/10167,

16-17=0/10167, 15-16=0/8997, 14-15=0/4915

WEBS 7-19=-316/390, 8-18=-357/350,

2-24=-3226/0, 4-23=-3093/0, 4-22=0/1708,

5-22=-1669/0, 5-20=-426/739, 7-20=-1072/768, 8-16=-1372/299,

9-16=0/1071. 9-15=-2742/0. 11-14=-3045/0.

12-14=0/2939, 11-15=0/2425, 2-23=0/2545

#### NOTES

- ) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) The Fabrication Tolerance at joint 17 = 12%, joint 21 = 12%
- 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.
- 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.

- 5) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 8-8-8 oc max. starting at 5-1-12 from the left end to 13-10-4 to connect truss(es) to front face of top chord.
- 7) 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

Uniform Loads (lb/ft)

Vert: 13-24=-10, 1-12=-100

Concentrated Loads (lb)

Vert: 9=-931 (F), 27=-931 (F)

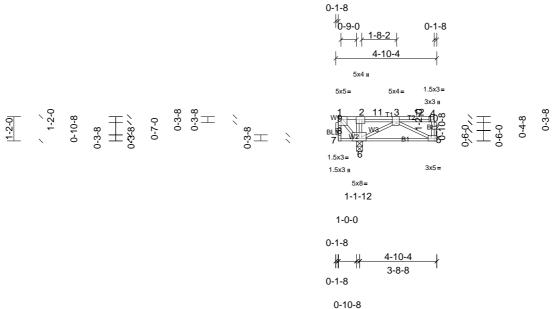
O54919 8/6/2025 NGINEEN OS

Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	FG4	Floor Girder	2	1	Job Reference (optional)

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						0-1-12						
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	0.80	Vert(LL)	0.01	5-6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.34	Vert(CT)	-0.01	5-6	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.53	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 34 lb	FT = 20%F, 12%E

0-1-12

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 Structural wood sheathing directly applied or 4-10-4 oc purlins, except end verticals. Rigid ceiling directly applied or 6-0-0 oc

**BOT CHORD** 

bracing.

REACTIONS (lb/size) 5=882/ Mechanical, 6=3279/0-3-8,

(min. 0-1-11)

Max Grav 5=1031 (LC 4), 6=3279 (LC 1) (lb) - Max. Comp./Max. Ten. - All forces 250

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

TOP CHORD 5-10=-567/0, 4-10=-566/0, 1-2=0/1430,

2-11=0/1394, 3-11=0/1394

**BOT CHORD** 5-6=-144/865 **WEBS** 2-6=-678/0, 1-6=-2095/0, 3-6=-2194/0,

3-5=-946/182

### **NOTES**

- Unbalanced floor live loads have been considered for 1) 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.
- 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.
- Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- CAUTION, Do not erect truss backwards.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1044 lb down at 0-2-4, 986 lb down at 2-0-0, and 155 lb down at 3-0-0, and 1003 lb down at 4-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

9) 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)

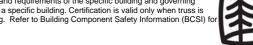
Vert: 5-7=-10, 1-2=-180, 2-4=-100

Concentrated Loads (lb)

Vert: 1=-1438 (F=-1038), 3=-155 (B), 11=-986 (F),

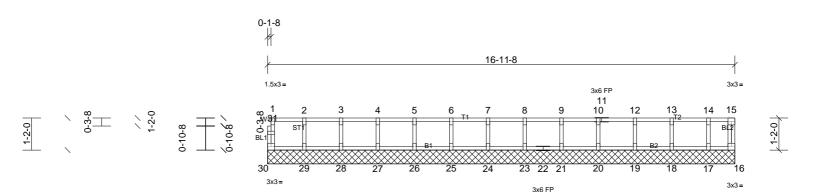
12=-1003 (F)





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	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	0.08	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	16	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 72 lb	FT = 20%F, 12%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 16-11-8.

(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.

LOAD CASE(S) Standard





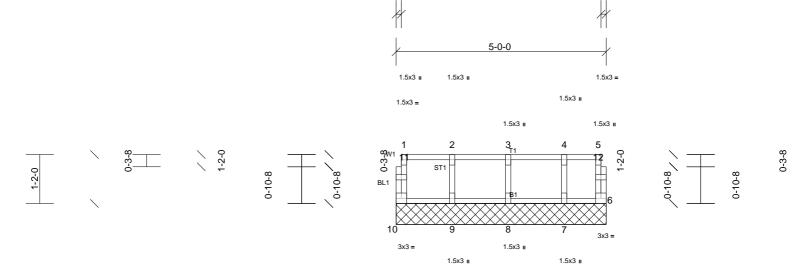
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Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	K201	Floor Supported Gable	2	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:19 ID:aO80RvKyYhfBpci67OMqlTyJGbv-uOJ9?h542sdPXnDCZvejEeLGxXRuj9FA8oU8L4yqc0k

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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	6	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 24 lb	FT = 20%F, 12%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

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

bracing.

**REACTIONS** All bearings 5-0-0.

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

(s) 6, 7, 8, 9, 10

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

(lb) or less except when shown.

# NOTES

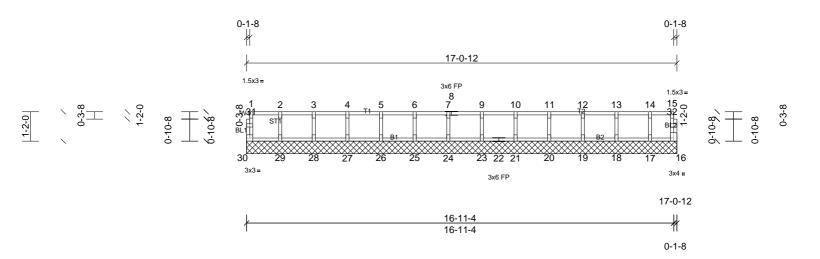
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 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.





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	K202	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. Wed Aug 06 10:57:19 ID:vLwVCrAqlwcs3fT\_AMX8Qxz1jdG-uOJ9?h542sdPXnDCZvejEeLGyXRzj9FA8oU8L4yqc0k



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	16	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 72 lb	FT = 20%F, 12%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 17-0-12.

(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

**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.
- All plates are 1.5x3 (||) MT20 unless otherwise
- 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.
- Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 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

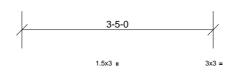




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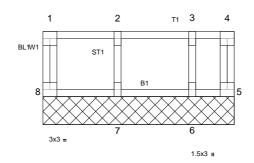
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	K203	Floor Supported Gable	1	1	Job Reference (optional)

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1.5x3 II 3x3 =





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1.5x3 II 3x3 =

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	5	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 18 lb	FT = 20%F, 12%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** All bearings 3-5-0.

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

(s) 5, 6, 7, 8

**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.

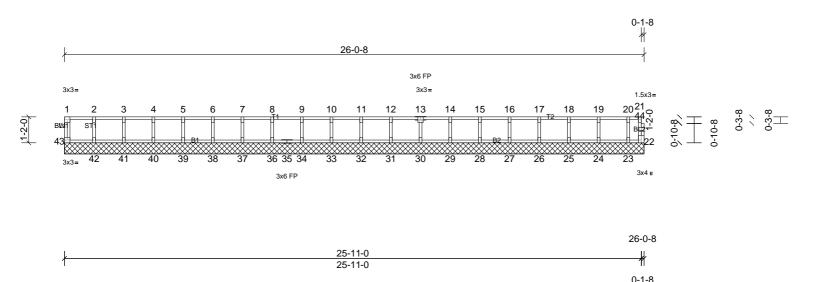




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	K204	Floor Supported Gable	1	1	Job Reference (optional)

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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	22	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 108 lb	FT = 20%F, 12%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 26-0-8.

(lb) - Max Grav All reactions 250 (lb) or less at joint (s) 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 37, 38, 39,

40. 41. 42. 43

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

(lb) or less except when shown.

#### NOTES

- All plates are 1.5x3 (||) MT20 unless otherwise 1)
- 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.
- Bearing at joint(s) 22 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 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.

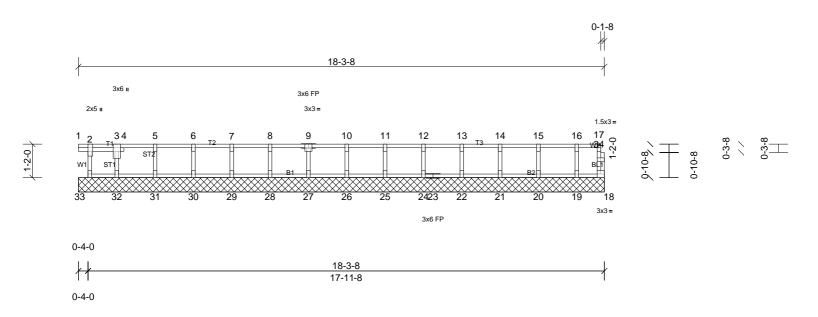




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES - TELFAIR 2ND FLR
72521942	K205	Floor Supported Gable	1	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Wed Aug 06 10:57:20 ID: a?q6?71yTv6SHVH?OIZqv2z8gqv-MatYD16ipAlG8xoO7dAymruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruRixnEScVJNSEhtXyqc0jardayaruR

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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	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 77 lb	FT = 20%F, 12%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 18-3-8.

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

- 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.

