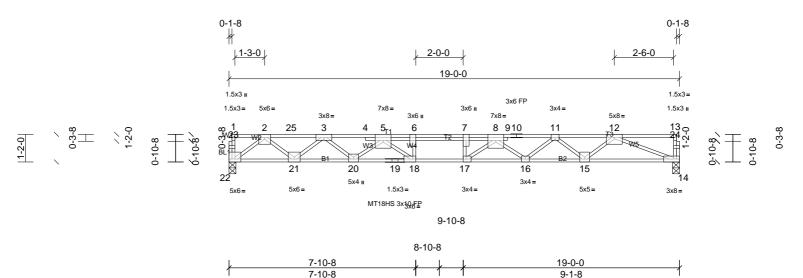
Job	Truss	Truss Type	Qty Ply MUNGO HOMES-RUSSELL 2ND FLR			
72506163	F200	Floor	9	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. N	NC 62, Burlington, NC, Joy Perry	Run: 8.83 S Apr 11	2025 Print: 8	.830 S Apr 1	1 2025 MiTek Industries, Inc. Mon Jul 21 09:39:29	Page: 1

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:29 ID:Y?I0TELA5G72hK6FRQkx8OyE?ZL-qv8UQKml_ZQULrmRJQhgCc5ghBE2tbpcu4TTbmyvufi



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	0.94	Vert(LL)	-0.33	16-17	>688	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.62	16-17	>364	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.11	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 101 lb	FT = 20%F, 11%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

3-11-15 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

BOT CHORD bracing.

REACTIONS (lb/size) 14=1403/0-3-8, (min. 0-1-8), 22=1479/0-3-8, (min. 0-1-8)

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

(lb) or less except when shown.

2-25=-3078/0, 3-25=-3078/0, 3-4=-5085/0, TOP CHORD 4-5=-5085/0, 5-6=-6670/0, 6-7=-6670/0, 7-8=-6670/0, 8-9=-5678/0, 9-10=-5694/0,

10-11=-5694/0, 11-12=-4121/0

BOT CHORD 21-22=0/1853, 20-21=0/4268, 19-20=0/5935,

18-19=0/5935, 17-18=0/6670, 16-17=0/6312,

15-16=0/5077, 14-15=0/3126

WEBS 6-18=-646/0, 7-17=-456/0, 12-14=-3353/0, 12-15=0/1295, 11-15=-1244/0, 11-16=0/804,

8-16=-786/0, 8-17=0/833, 2-22=-2320/0, 2-21=0/1595, 3-21=-1550/0, 3-20=0/1063,

5-20=-1080/0, 5-18=0/1201

NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- The Fabrication Tolerance at joint 19 = 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 Uniform Loads (lb/ft) Vert: 14-22=-10, 1-25=-176, 13-25=-140

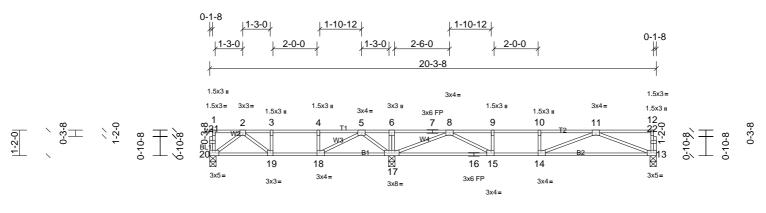


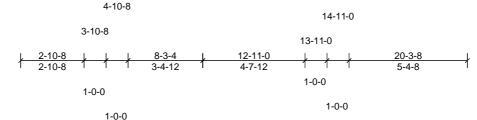


Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	F201	Floor	2	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:29 ID:FogodrQdAJ2S4tDz1dGQAyyE?Sn-qv8UQKml_ZQULrmRJQhgCc5jUBGgtjrcu4TTbmyvufi

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Loading Spacing 2-0-0 CSI **DEFL** I/defI L/d **PLATES** GRIP (psf) (loc) 40.0 Plate Grip DOL 1.00 TC >749 480 244/190 **TCLL** 0.76 Vert(LL) -0.19 13-14 MT20 BC 360 **TCDL** 10.0 Lumber DOL 1.00 0.75 Vert(CT) -0.30 13-14 >476 **BCLL** 0.0 Rep Stress Incr YES WB 0.40 Horz(CT) 0.03 13 n/a n/a **BCDL** 5.0 IRC2015/TPI2014 Matrix-SH Weight: 98 lb FT = 20%F, 11%E Code

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,

5-6=0/607, 6-7=0/616, 7-8=0/616, 8-9=-1684/0, 9-10=-1684/0, 10-11=-1684/0

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

TOP CHORD

BOT CHORD

- 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.

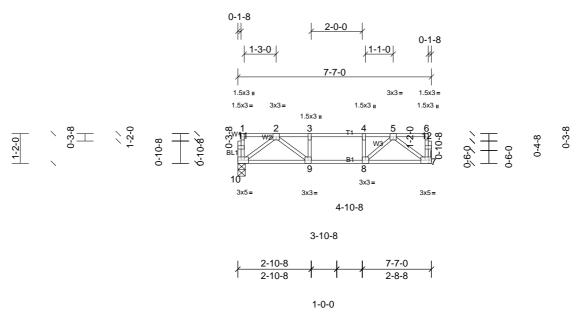




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	F202	Floor	1	1	Job Reference (optional)

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						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	0.33	Vert(LL)	-0.03	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.04	9-10	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	7	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 39 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 (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.

TOP CHORD 2-3=-680/0, 3-4=-680/0, 4-5=-680/0

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

- 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.

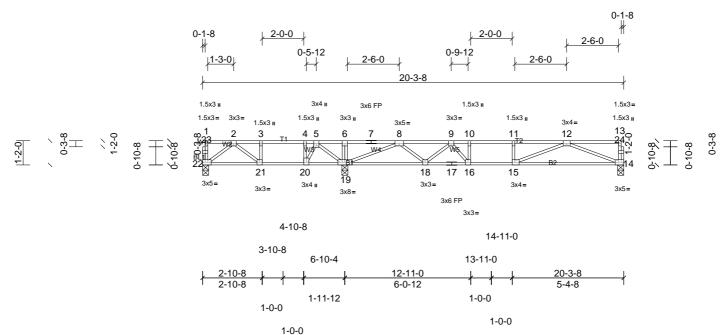




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	F203	Floor	4	1	Job Reference (optional)

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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	0.77	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

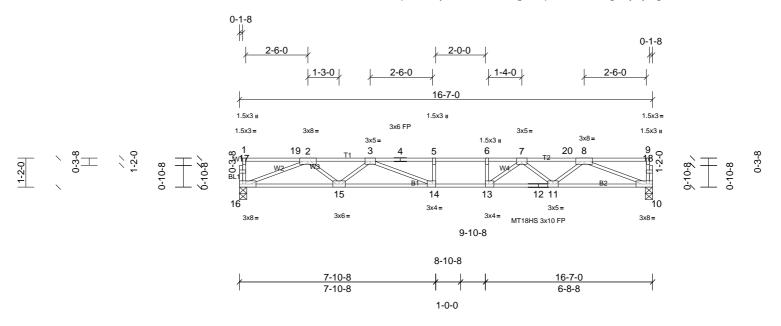






Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR	
72506163	F204	Floor	2	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. I	Run: 8.83 S Apr 11	2025 Print: 8	.830 S Apr 1	11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:31	Page: 1	

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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	0.81	Vert(LL)	-0.26	14-15	>763	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.48	14-15	>408	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.08	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 80 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

TOP CHORD Structural wood sheathing directly applied or

5-5-7 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

BOT CHORD

bracing. REACTIONS (lb/size)

10=1326/0-3-8, (min. 0-1-8), 16=1297/0-3-8, (min. 0-1-8)

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

(lb) or less except when shown.

2-3=-3566/0, 3-4=-4870/0, 4-5=-4870/0, TOP CHORD

5-6=-4870/0, 6-7=-4870/0, 7-20=-3579/0,

8-20=-3579/0

BOT CHORD 15-16=0/2764, 14-15=0/4298, 13-14=0/4870, 12-13=0/4311, 11-12=0/4311, 10-11=0/2832

WEBS 5-14=-285/0, 6-13=-419/0, 2-16=-2961/0,

2-15=0/1044, 3-15=-953/0, 3-14=0/920, 8-10=-3035/0, 8-11=0/972, 7-11=-953/0,

7-13=0/948

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.
- 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: 10-16=-10, 1-19=-176, 19-20=-140, 9-20=-176

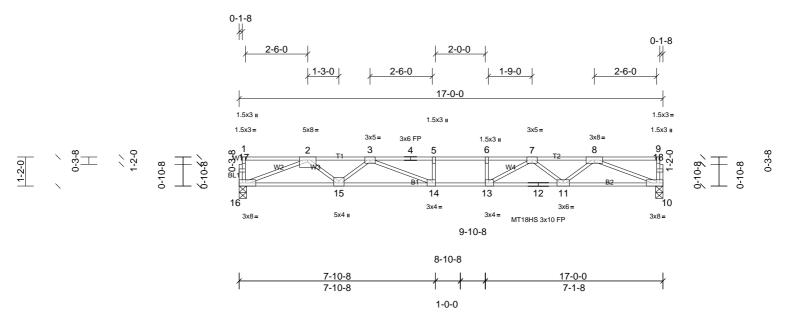




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	F205	Floor	17	1	Job Reference (optional)

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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	0.75	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

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

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)

FORCES (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

5-14=-300/0, 6-13=-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.

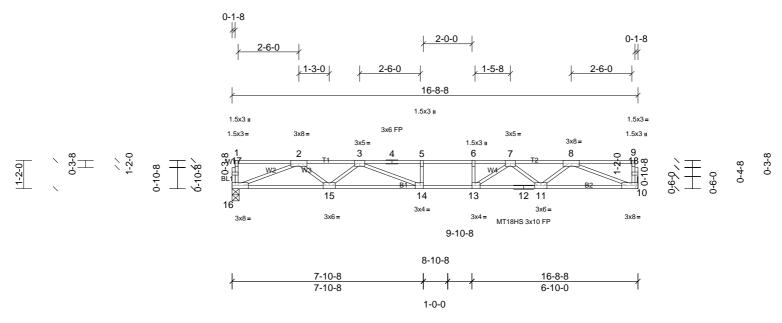




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	F207	Floor	2	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:32 ID:DdXO9rlsgxZTAiZlcgYnyeyE?QM-EUpc2LoeHUo2DJV0_ZFNpFjDVPH94_c2a2h8B5yvuff

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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	0.78	Vert(LL)	-0.26	14-15	>761	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.48	14-15	>414	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.79	Horz(CT)	0.07	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 81 lb	FT = 20%F, 11%E

1-0-0

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 or

5-6-11 oc purlins, except end verticals.

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

bracing.

REACTIONS (lb/size) 10=1226/ Mechanical,

16=1226/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-3=-3492/0, 3-4=-4811/0, 4-5=-4811/0,

5-6=-4811/0, 6-7=-4811/0, 7-8=-3451/0

BOT CHORD 15-16=0/2679, 14-15=0/4235, 13-14=0/4811, 12-13=0/4207, 11-12=0/4207, 10-11=0/2677

5-14=-284/0, 6-13=-409/0, 2-16=-2873/0,

2-15=0/1058, 3-15=-968/0, 3-14=0/922,

8-10=-2871/0, 8-11=0/1007, 7-11=-984/0,

7-13=0/985

NOTES

WEBS

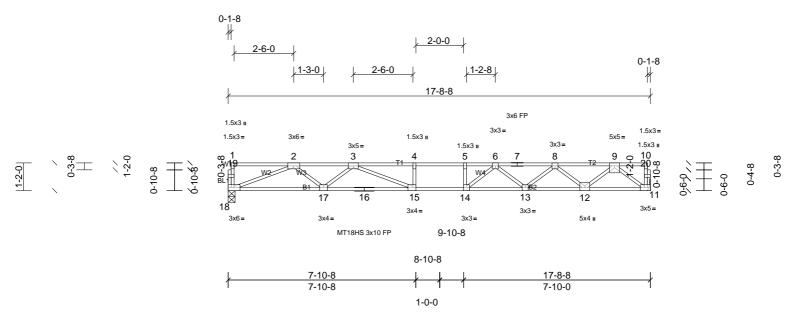
- Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- B) Refer to girder(s) for truss to truss connections.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2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





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR	
72506163	F208	Floor	1	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. I	NC 62, Burlington, NC, Joy Perry	Run: 8.83 S Apr 11	2025 Print: 8	.830 S Apr 1	11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:32	Page: 1

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:32 ID:DdXO9rlsgxZTAiZlcgYnyeyE?QM-EUpc2LoeHUo2DJV0_ZFNpFjAcPD?41G2a2h8B5yvuff



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	14-15	>682	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.42	15	>496	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.62	Horz(CT)	0.07	11	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 86 lb	FT = 20%F, 11%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

TOP CHORD

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) 11=954/ Mechanical, 18=954/0-3-8,

(min. 0-1-8) **FORCES**

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

(lb) or less except when shown. 2-3=-2762/0, 3-4=-3983/0, 4-5=-3983/0,

5-6=-3983/0, 6-7=-3293/0, 7-8=-3293/0,

8-9=-2024/0

BOT CHORD 17-18=0/2100, 16-17=0/3370, 15-16=0/3370,

14-15=0/3983, 13-14=0/3744, 12-13=0/2819,

11-12=0/1193

WEBS 5-14=-290/0, 2-18=-2252/0, 2-17=0/863,

3-17=-791/0, 3-15=0/927, 9-11=-1494/0, 9-12=0/1081, 8-12=-1036/0, 8-13=0/616,

6-13=-587/0, 6-14=-96/661

NOTES

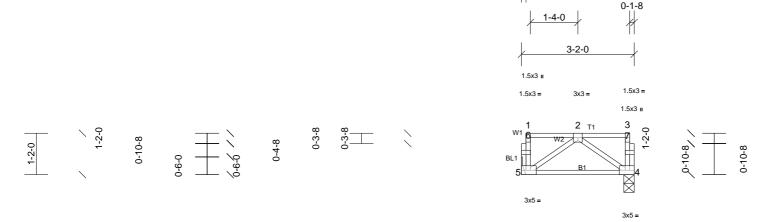
- Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- Refer to girder(s) for truss to truss connections.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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
72506163	F209	Floor	10	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:33 $ID: JvHThdReEIA191C6mjwrlSyvvV3-igN_GhpG2nxvqT4CYGmcMSGWDomHpdABpiRhkXyvufe$ 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	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	48.0	Lumber DOL	1.00	BC	0.13	Vert(CT)	-0.01	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 19 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

3-2-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc **BOT CHORD**

bracing.

REACTIONS (lb/size) 4=260/0-3-8, (min. 0-1-8), 5=260/

Mechanical

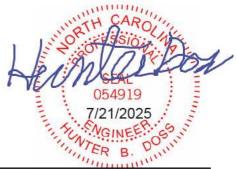
(lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown. 2-4=-261/0, 2-5=-261/0

WEBS NOTES

FORCES

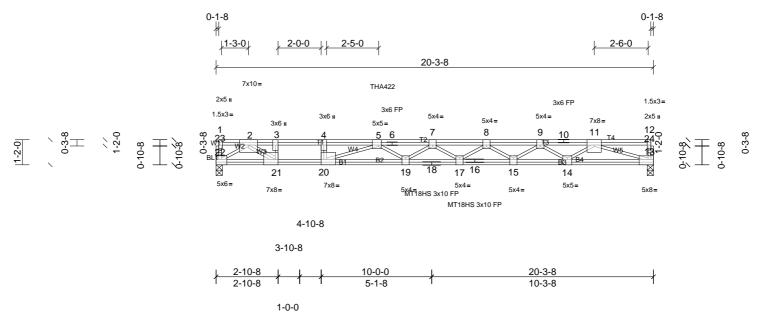
- Refer to girder(s) for truss to truss connections.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d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





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	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. Mon Jul 21 09:39:33 ID:jHq03Cnxq0m89H4Hdh6wJFyE?FQ-igN_GhpG2nxvqT4CYGmcMSGOXobmpQpBpiRhkXyvufe



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	0.76	Vert(LL)	-0.45	19-20	>532	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.62	19-20	>387	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.04	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 157 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

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

BOT CHORD bracing.

REACTIONS (lb/size) 13=1175/0-3-8, (min. 0-1-8), 22=1232/0-3-8, (min. 0-1-8)

Max Grav 13=1191 (LC 4), 22=1232 (LC 1)

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

(lb) or less except when shown. TOP CHORD

2-3=-4197/0, 3-4=-4197/0, 4-5=-4197/0 5-6=-7025/0, 6-7=-7025/0, 7-8=-6624/0,

8-9=-5711/0, 9-10=-3964/0, 10-11=-3964/0

21-22=0/1901, 20-21=0/4197, 19-20=0/6826,

18-19=0/6956, 17-18=0/6956, 16-17=0/6344,

15-16=0/6344, 14-15=0/5016, 13-14=0/3028

2-22=-2197/0, 3-21=-1307/0, 4-20=0/502,

2-21=0/2994, 11-13=-3167/0, 11-14=0/1163, 9-14=-1304/0, 9-15=0/862, 8-15=-785/0,

8-17=0/348, 7-17=-412/0, 5-19=0/262,

5-20=-2826/0

WEBS

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/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,

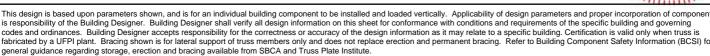
Plate Increase=1.00 Uniform Loads (lb/ft)

Vert: 13-22=-10. 1-12=-100

Concentrated Loads (lb)

Vert: 5=-216 (F)



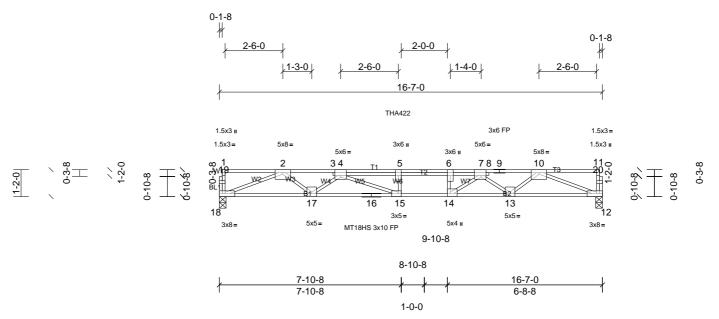




Page: 1

Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR	
72506163	FG2	Floor Girder	1	1	Job Reference (optional)	
UFP Mid Atlantic LLC, 5631 S. I	NC 62, Burlington, NC, Joy Perry	Run: 8.83 S Apr 11	2025 Print: 8	.830 S Apr 1	1 2025 MiTek Industries, Inc. Mon Jul 21 09:39:34	Page: 1

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:34 ID:9wPDsvsVaW4cYkLCLVRSonyE_LD-AsxNT1qup53mSdfP6zHrvgpW0CzYYsDL1MAEGzyvufd



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 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: 12-18=-10, 1-11=-140 Concentrated Loads (lb) Vert: 5=-176 (B)



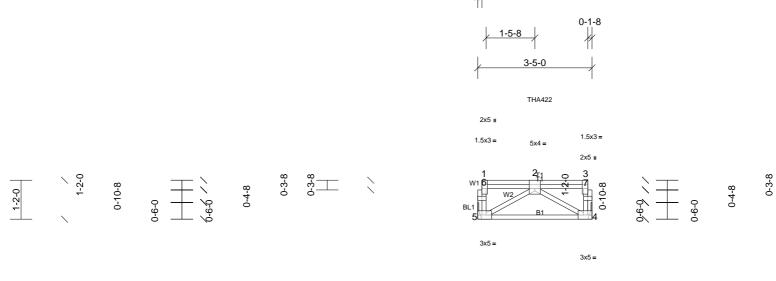


Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	FG3	Floor Girder	1	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:34 ID:2YMeRnnRhJzYswzaSXeE7TyE?I?-AsxNT1qup53mSdfP6zHrvgpkJC5MY2mL1MAEGzyvufd

0-1-8

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	0.05	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.

BOT CHORD 4-5=0/376

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 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=-100 Concentrated Loads (lb)

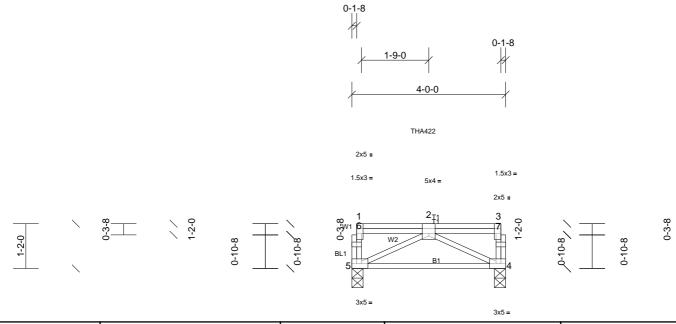
Vert: 2=-297 (B)





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	FG4	Floor Girder	1	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:35 ID: gl3Um8drLWaCY1RkjOML90yE?EK-e3VlhNrWaPBd4mDbgho4RtLulcOEHSPUG0wooQyvufc 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	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.42	Vert(CT)	-0.03	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.27	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

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=627/0-3-8, (min. 0-1-8),

5=627/0-3-8, (min. 0-1-8)

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

(lb) or less except when shown. BOT CHORD 4-5=0/987

WEBS 2-4=-1107/0, 2-5=-1107/0

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 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

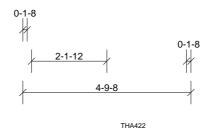
Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (lb/ft) Vert: 4-5=-10, 1-3=-100 Concentrated Loads (lb) Vert: 2=-854 (F)



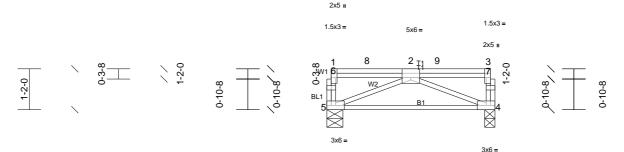


Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	FG5	Floor Girder	1	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:35 ID:5QsKfPUOdLX8ZxMONo8?X vE?DD-e3VlhNrWaPBd4mDbqho4RtLiccIoHNBUG0wooQvvufc Page: 1



THA422



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)	n/a	-	n/a	999	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.07	4-5	>785	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.60	Horz(CT)	0.02	4	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 32 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 Structural wood sheathing directly applied or

4-9-8 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

BOT CHORD

bracing. REACTIONS (lb/size)

4=1299/0-3-8, (min. 0-1-8), 5=1539/0-5-8, (min. 0-1-8)

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

(lb) or less except when shown. 5-6=-589/0, 1-6=-588/0, 4-7=-342/0, TOP CHORD

3-7=-341/0

BOT CHORD 4-5=0/2190

WEBS 2-5=-2344/0, 2-4=-2361/0

NOTES

FORCES

- 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 1-1-12 from the left end to 3-1-12 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: 4-5=-10, 1-3=-140

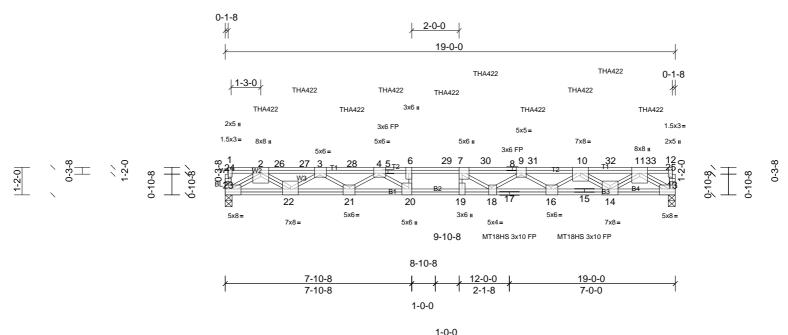
Concentrated Loads (lb) Vert: 8=-1088 (F), 9=-1086 (F)





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	FG6	Floor Girder	1	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:35 ID:Y?I0TELA5G72hK6FRQkx8OyE?ZL-e3VlhNrWaPBd4mDbgho4RtLnBcH8HLeUG0wooQyvufc 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	0.56	Vert(LL)	-0.24	19	>933	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.59	19-20	>382	360	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.09	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 156 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

5-11-9 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

BOT CHORD bracing.

REACTIONS (lb/size)

13=2013/0-3-8, (min. 0-1-8), 23=2181/0-3-8, (min. 0-1-8)

Max Grav 13=2144 (LC 4), 23=2222 (LC 3)

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

(lb) or less except when shown. TOP CHORD 2-26=-5118/0, 26-27=-5118/0, 3-27=-5118/0,

3-28=-8455/0, 4-28=-8455/0, 4-5=-10388/0,

5-6=-10388/0, 6-29=-10388/0, 7-29=-10388/0, 7-30=-9894/0, 8-30=-9894/0,

8-9=-9894/0, 9-31=-8266/0, 10-31=-8266/0, 10-32=-5105/0, 11-32=-5105/0

BOT CHORD 22-23=0/3192, 21-22=0/7250, 20-21=0/9695

19-20=0/10388, 18-19=0/10388,

17-18=0/9451, 16-17=0/9451, 15-16=0/7024,

14-15=0/7024, 13-14=0/3049

6-20=-599/0, 7-19=-352/135, 10-14=-2426/0,

10-16=0/1610. 9-16=-1539/0. 9-18=0/1102. 7-18=-1228/0, 3-22=-2615/0, 3-21=0/1495, 4-21=-1636/0, 4-20=0/1524, 11-14=0/2550, 2-23=-3830/0. 2-22=0/2498. 11-13=-3657/0

NOTES

WEBS

- 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 2-4-4 oc max. starting at 1-8-8 from the left end to 17-11-12 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)

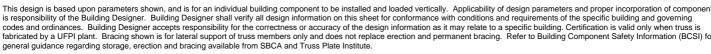
Vert: 13-23=-8, 1-26=-188, 7-26=-152, 7-12=-112

Concentrated Loads (lb)

Vert: 5=-148 (F), 10=-148 (F), 2=-148 (F), 27=-148 (F), 28=-148 (F), 29=-148 (F), 30=-148 (F), 31=-148

(F), 32=-148 (F), 33=-158 (F)



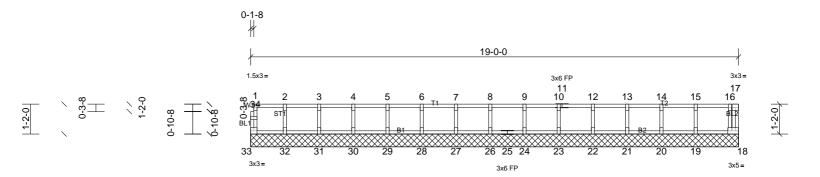




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	K200	Floor Supported Gable	1	1	Job Reference (optional)

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:36 ID:ruGW4FruRtIE6el7KXzYJ1yE?Yi-6F37ujs8LiJUhwonDOJJ_5u3K0qe0zMeVggLLsyvufb

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	0.09	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.

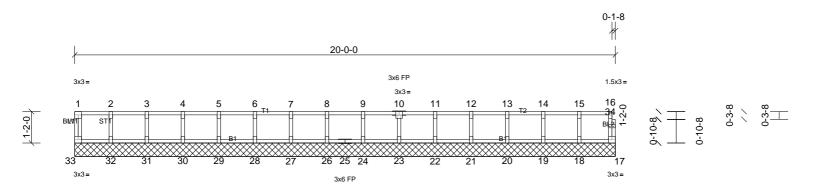




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	K201	Floor Supported Gable	1	1	Job Reference (optional)

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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	0.01	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

- 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.

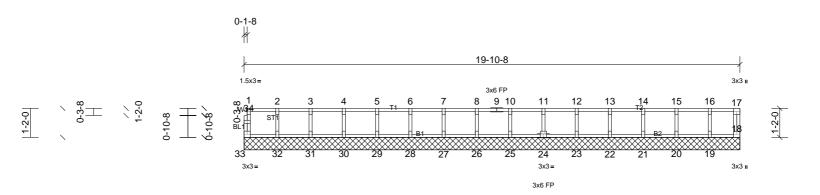




Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	K202	Floor Supported Gable	1	1	Job Reference (optional)

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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	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 83 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 19-10-8.

(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

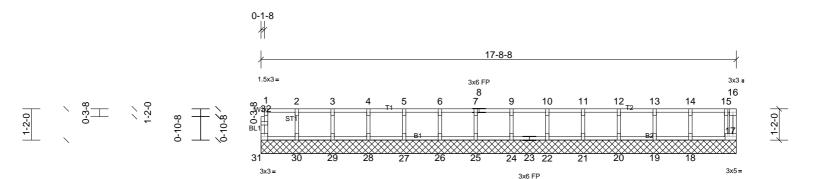
- 1) All plates are 1.5x3 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- This truss is designed in accordance with the 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	
72506163	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	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	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: 75 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 17-8-8.

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

(s) 17, 18, 19, 20, 21, 22, 24, 25,

26, 27, 28, 29, 30, 31

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

(lb) or less except when shown.

NOTES

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

LOAD CASE(S) Standard



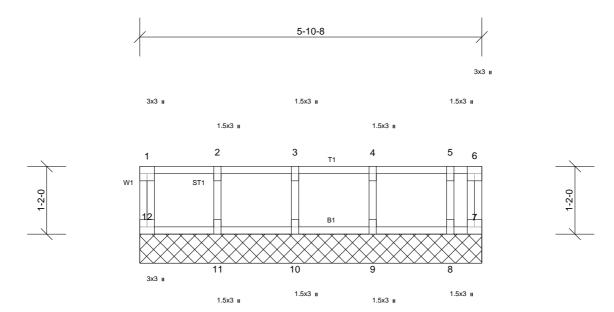


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Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR	
72506163	K204	Floor Supported Gable	1	1	Job Reference (optional)	

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3x3 u



Loading Spacing 2-0-0 CSI **DEFL** I/defI L/d **PLATES** GRIP (psf) (loc) TCLL 40.0 Plate Grip DOL 1.00 TC 0.09 999 MT20 244/190 Vert(LL) n/a n/a **TCDL** BC 10.0 Lumber DOL 1.00 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 IRC2015/TPI2014 **BCDL** 5.0 Matrix-R Weight: 28 lb FT = 20%F, 11%E Code

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

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

bracing.

REACTIONS All bearings 5-10-8.

(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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