

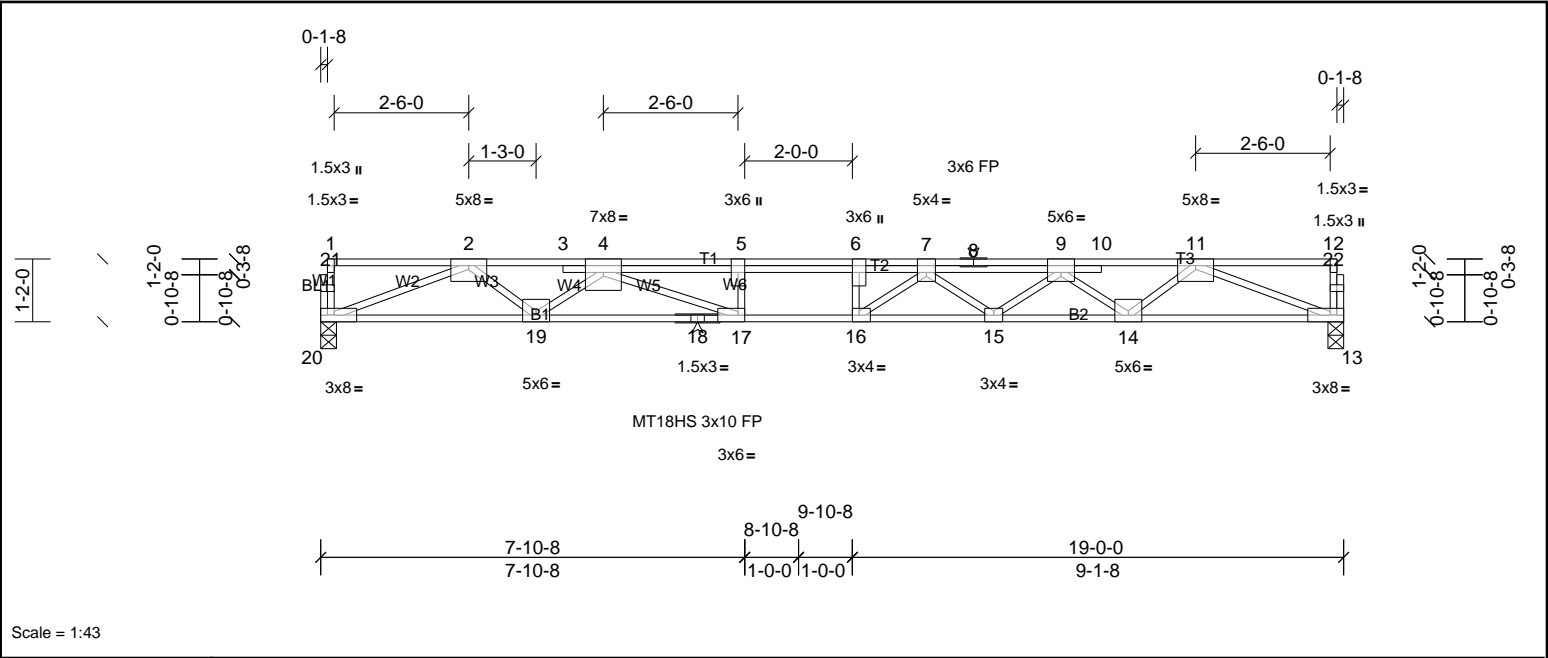
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR	30 LDP
72500819	F200	Truss	10	1	Job Reference (optional)	

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

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Jan 10 08:37:34

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Scale = 1:43

Plate Offsets (X, Y): [6:0-3-0,Edge], [7:0-2-0,Edge], [9:0-3-0,Edge], [16:0-1-8,Edge], [17:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.31	16	>737	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.60	16	>377	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.93	Horz(CT)	0.12	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 106 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP SS(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP SS(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	13=1433/0-3-8, (min. 0-1-8), 20=1438/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-4303/0, 3-4=-4306/0, 4-5=-6923/0, 5-6=-6923/0, 6-7=-6923/0, 7-8=-6116/0, 8-9=-6116/0, 9-10=-4286/0, 10-11=-4283/0	
BOT CHORD	19-20=0/3188, 18-19=0/5441, 17-18=0/5441, 16-17=0/6923, 15-16=0/6769, 14-15=0/5424, 13-14=0/3172	
WEBS	5-17=-571/0, 6-16=-379/117, 2-20=-3419/0, 2-19=0/1451, 4-19=-1446/0, 4-17=0/1787, 11-13=-3402/0, 11-14=0/1446, 9-14=-1450/0, 9-15=0/879, 7-15=-829/0, 7-16=-237/706	

**NOTES**

- Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- The Fabrication Tolerance at joint 18 = 11%
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

**LOAD CASE(S)** Standard

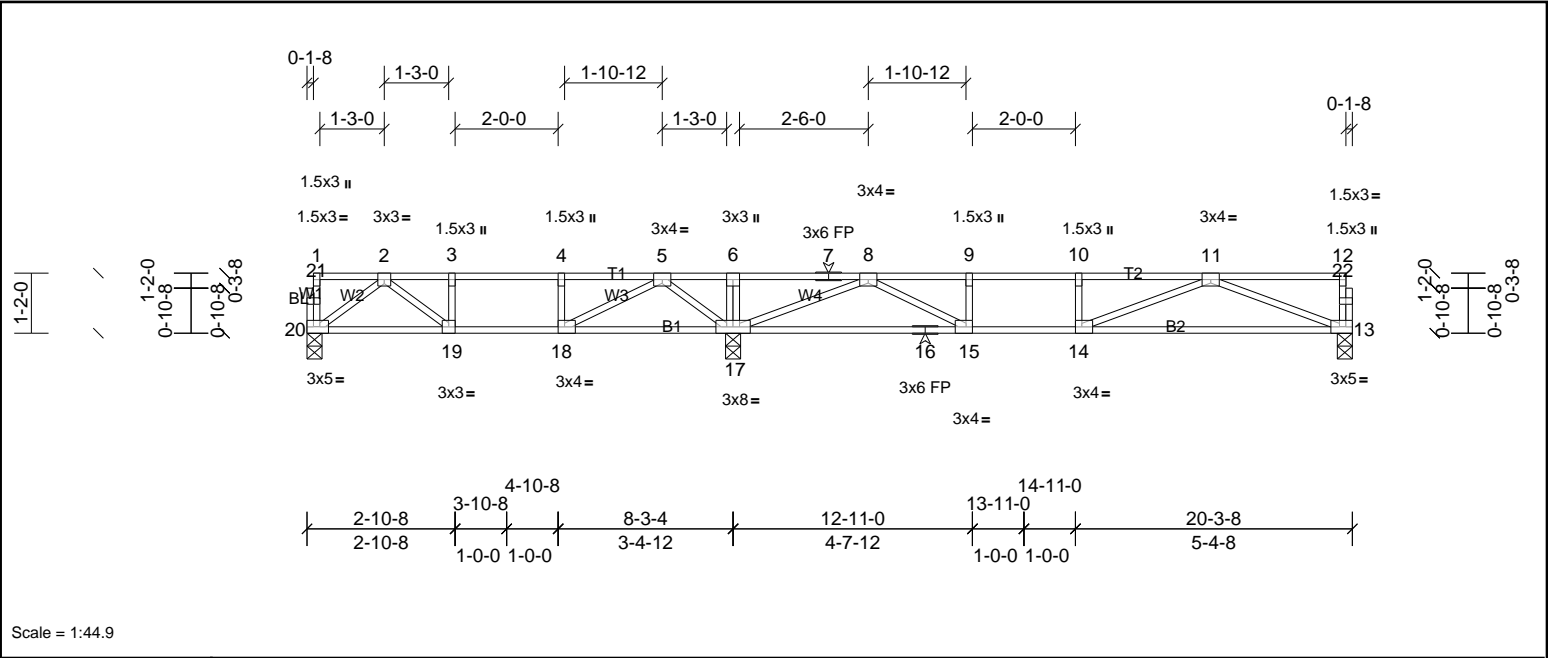
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 13-20=-10, 1-5=-140, 5-6=-176, 6-12=-140



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	F201	Truss	2	1	Job Reference (optional)



Scale = 1:44.9

Plate Offsets (X, Y): [13:0-2-0,Edge], [14:0-1-8,Edge], [15:0-1-8,Edge], [18:0-1-8,Edge], [20:0-2-0,Edge]

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

LUMBER	BRACING
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3(flat)	6-0-0 oc bracing: 17-18.
OTHERS 2x4 SP No.3(flat)	
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.	
TOP CHORD 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	
BOT CHORD 19-20=0/465, 18-19=0/757, 17-18=-150/342, 16-17=0/1067, 15-16=0/1067, 14-15=0/1684, 13-14=0/1254	
WEBS 4-18=-268/0, 9-15=-301/0, 2-20=-579/0, 2-19=0/373, 11-13=-1342/0, 11-14=0/464, 6-17=-250/0, 5-17=-694/0, 5-18=0/663, 8-17=-1471/0, 8-15=0/789	

- NOTES
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are 1.5x3 MT20 unless otherwise indicated.
  - 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - 5) CAUTION, Do not erect truss backwards.



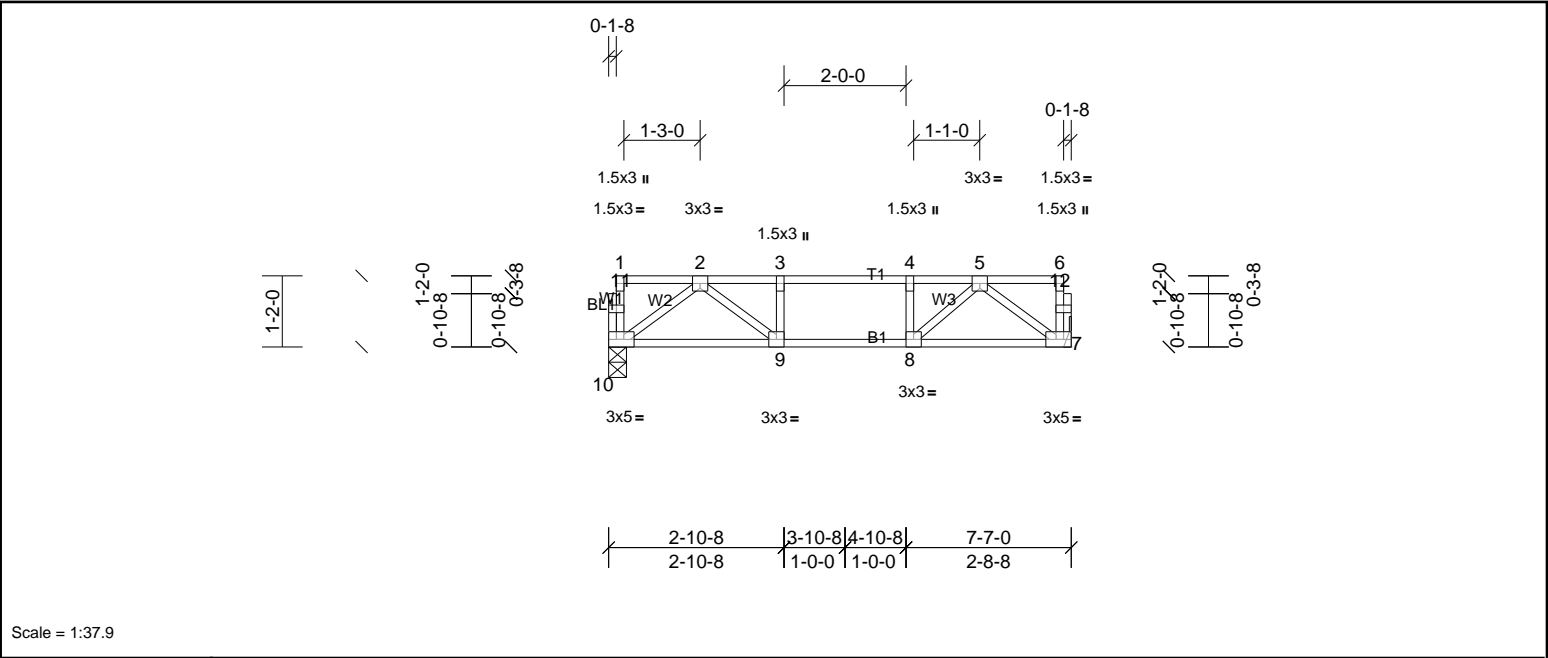
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	F202	Truss	1	1	Job Reference (optional)

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

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Jan 10 08:37:36

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Scale = 1:37.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.33	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		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

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

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

TOP CHORD 2-3=-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**
- 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.



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Jan 10 08:37:36 Page: 1  
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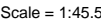


Plate Offsets (X, Y):	[14:0-2-0,Edge], [15:0-1-8,Edge], [22:0-2-0,Edge]
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<b>LUMBER</b>		<b>BRACING</b>	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 6-0-0 oc bracing: 19-20.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		
<b>REACTIONS</b>	(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)	
<b>FORCES</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	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		
BOT CHORD	21-22=0/659, 20-21=0/924, 19-20=-53/639, 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

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) 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.
- 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.
- 6) CAUTION. Do not erect truss backwards.

## LOAD CASE(S)

Standard

- 1) 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

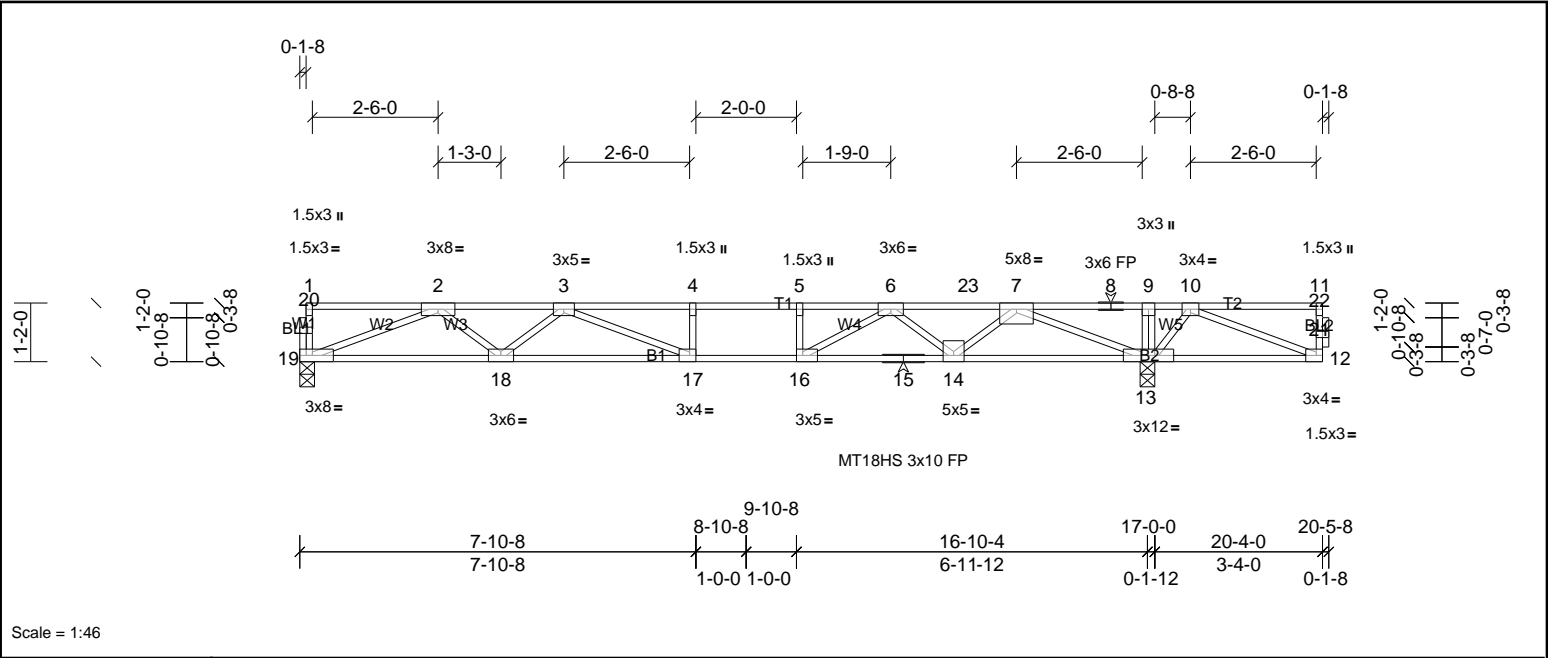


This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on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





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	F205	Truss	10	1	Job Reference (optional)



Scale = 1:46									
Plate Offsets (X, Y): [16:0-1-8,Edge], [17:0-1-8,Edge]									
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d
TCLL	40.0	Plate Grip DOL	1.00	TC	0.78	Vert(LL)	-0.27	17-18	>741
TCDL	30.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.49	17-18	>405
BCLL	0.0	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.07	13	n/a
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH					
					PLATES GRIP				
					MT18HS 244/190				
					MT20 244/190				
					Weight: 100 lb FT = 20%F, 11%E				

<b>LUMBER</b>			<b>BRACING</b>		
TOP CHORD	2x4 SP SS(flat)		TOP CHORD	Structural wood sheathing directly applied or 5-6-15 oc purlins, except end verticals.	
BOT CHORD	2x4 SP SS(flat)		BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:	
WEBS	2x4 SP No.3(flat)			6-0-0 oc bracing: 12-13.	
OTHERS	2x4 SP No.3(flat)				
<b>REACTIONS</b>					
	(lb/size)	13=2074/0-3-8, (min. 0-1-8), 19=1191/0-3-8, (min. 0-1-8)			
	Max Grav	13=2074 (LC 1), 19=1219 (LC 3)			
<b>FORCES</b>					
	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.				
TOP CHORD	2-3=-3470/0, 3-4=-4759/0, 4-5=-4759/0, 5-6=-4759/0, 6-23=-3174/0, 7-23=-3174/0, 7-8=0/998, 8-9=0/998, 9-10=0/992				
BOT CHORD	18-19=0/2664, 17-18=0/4205, 16-17=0/4759, 15-16=0/4003, 14-15=0/4003, 13-14=0/2339, 12-13=-477/0				
WEBS	4-17=-278/0, 5-16=-435/0, 9-13=-324/0, 2-19=-2856/0, 2-18=0/1049, 3-18=-957/0, 3-17=0/895, 7-13=-3141/0, 7-14=0/1126, 6-14=-1129/0, 6-16=0/1224, 10-12=0/515, 10-13=-797/0				
<b>NOTES</b>					
1)	Unbalanced floor live loads have been considered for this design.				
2)	All plates are MT20 plates unless otherwise indicated.				
3)	This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.				
4)	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.				
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.				
6)	CAUTION, Do not erect truss backwards.				
<b>LOAD CASE(S)</b>					
	Standard				
1)	Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00				
	Uniform Loads (lb/ft)				
	Vert: 12-19=-10, 1-23=-140, 11-23=-176				





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<b>LUMBER</b>		<b>BRACING</b>	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 5-7-3 oc purlins, except end verticals.
BOT CHORD	2x4 SP SS(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		
<b>REACTIONS</b>	(lb/size)	12=1247/0-3-8, (min. 0-1-8), 18=1247/0-3-8, (min. 0-1-8)	
<b>FORCES</b>	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-3604/0, 3-4=-3610/0, 4-5=-5299/0, 5-6=-5299/0, 6-7=-5299/0, 7-8=-5299/0, 8-9=-3585/0, 9-10=-3580/0		
BOT CHORD	17-18=0/2714, 16-17=0/4492, 15-16=0/5299, 14-15=0/4458, 13-14=0/4458, 12-13=0/2718		
WEBS	6-16=-356/0, 7-15=-502/0, 2-18=-2910/0, 2-17=0/1158, 4-17=-1128/0, 4-16=0/1134, 10-12=-2914/0, 10-13=0/1123, 8-13=-1116/0, 8-15=0/1200		

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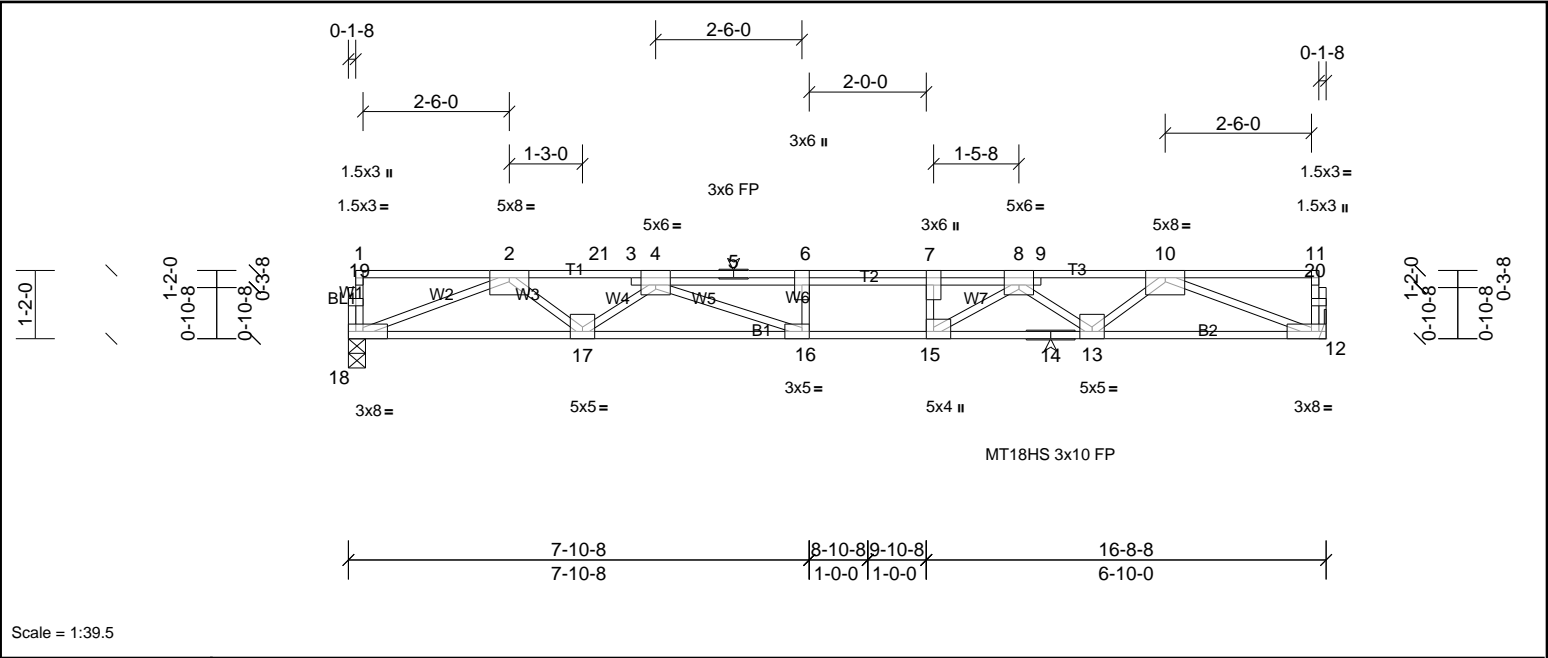
Job 72500819	Truss F207	Truss Type Truss	Qty 3	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry

Run: 8.81 S Sep 13 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Fri Jan 10 08:37:36

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Scale = 1:39.5

Plate Offsets (X, Y): [4:0-3-0,Edge], [7:0-3-0,Edge], [8:0-3-0,Edge], [15:0-1-8,Edge], [16:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.88	Vert(LL)	-0.21	16-17	>946	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.45	16-17	>437	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.87	Horz(CT)	0.08	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 90 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 4-11-2 oc purlins, except end verticals.
BOT CHORD	2x4 SP SS(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

**REACTIONS** (lb/size) 12=1312/ Mechanical, (min. 0-1-8), 18=1342/0-3-8, (min. 0-1-8)

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

TOP CHORD 2-21=-3947/0, 3-21=-3947/0, 3-4=-3940/0, 4-5=-5760/0, 5-6=-5760/0, 6-7=-5760/0, 7-8=-5760/0, 8-9=-3778/0, 9-10=-3800/0

BOT CHORD 17-18=0/2953, 16-17=0/4941, 15-16=0/5760, 14-15=0/4748, 13-14=0/4748, 12-13=0/2882

WEBS 6-16=-374/0, 7-15=-697/0, 2-18=-3167/0, 2-17=0/1293, 4-17=-1263/0, 4-16=0/1134, 10-12=-3091/0, 10-13=0/1195, 8-13=-1204/0, 8-15=0/1432

- NOTES**
- Unbalanced floor live loads have been considered for this design.
  - All plates are MT20 plates 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
- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (lb/ft)
- Vert: 12-18=-10, 1-21=-140, 7-21=-176, 7-11=-140





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	FG1	Truss	1	1	Job Reference (optional)

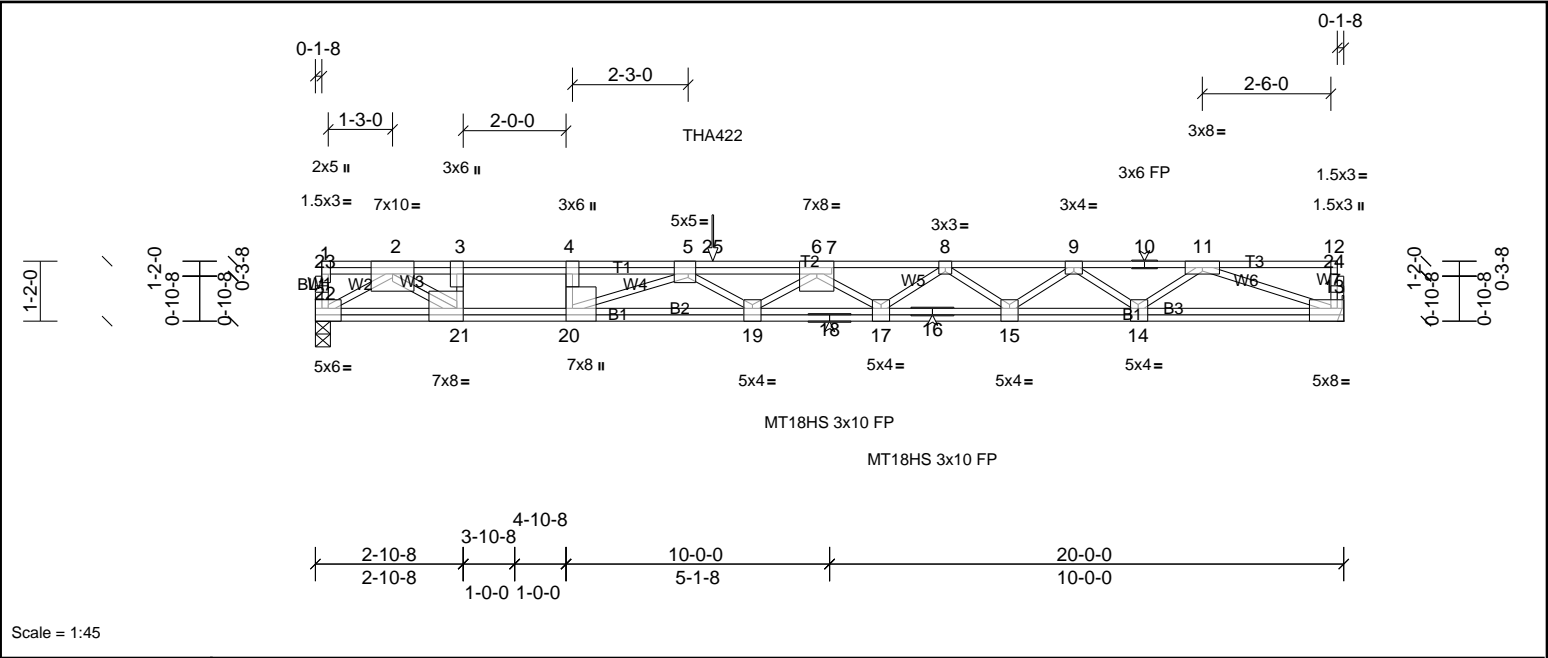


Plate Offsets (X, Y):	[4:0-3-0,Edge], [5:0-1-12,Edge], [13:Edge,0-3-0], [14:0-1-12,Edge], [15:0-2-0,Edge], [17:0-2-0,Edge], [19:0-2-0,Edge], [20:0-3-0,Edge], [21:0-1-8,Edge], [22:0-3-0,Edge]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.89	Vert(LL)	-0.45	19-20	>529	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.61	19-20	>385	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.04	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 141 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP SS(flat)	TOP CHORD	Structural wood sheathing directly applied or 4-4-14 oc purlins, except end verticals.
BOT CHORD	2x4 SP SS(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	13=1163/ Mechanical, (min. 0-1-8), 22=1213/0-3-8, (min. 0-1-8)
	Max Grav	13=1179 (LC 4), 22=1213 (LC 1)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-4059/0, 3-4=-4059/0, 4-5=-4059/0, 5-25=-6735/0, 6-25=-6735/0, 6-7=-6059/0, 7-8=-6159/0, 8-9=-5276/0, 9-10=-3700/0, 10-11=-3700/0
BOT CHORD	21-22=0/1861, 20-21=0/4059, 19-20=0/6621, 18-19=0/6571, 17-18=0/6571, 16-17=0/5837, 15-16=0/5837, 14-15=0/4654, 13-14=0/2845
WEBS	3-21=-1260/0, 4-20=0/588, 2-22=-2150/0, 2-21=0/2864, 11-13=-2997/0, 11-14=0/1088, 9-14=-1212/0, 9-15=0/790, 8-15=-712/0, 8-17=0/409, 6-17=-511/0, 5-20=-2798/0

- 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.
  - 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
1)	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: 25=-216 (F)



Job 72500819	Truss FG2	Truss Type Truss	Qty 1	Ply 1	MUNGO HOMES-RUSSELL 2ND FLR Job Reference (optional)
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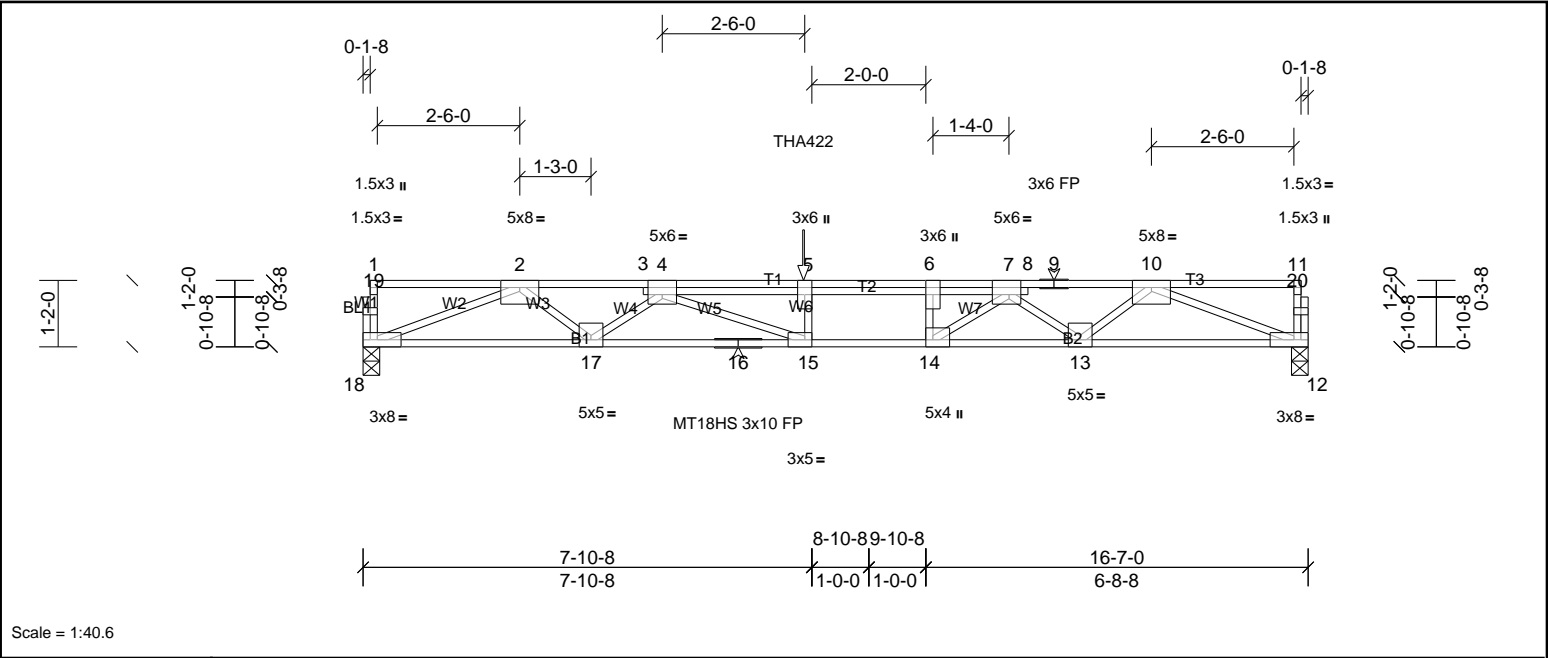


Plate Offsets (X, Y): [4:0-3-0,Edge], [6:0-3-0,Edge], [7:0-2-8,Edge], [14:0-1-8,Edge], [15:0-1-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.91	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

LUMBER		BRACING	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 4-10-5 oc purlins, except end verticals.
BOT CHORD	2x4 SP SS(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

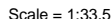
REACTIONS	(lb/size)	12=1299/0-3-8, (min. 0-1-8), 18=1310/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-3825/0, 3-4=-3798/0, 4-5=-5674/0, 5-6=-5674/0, 6-7=-5674/0, 7-8=-3718/0, 8-9=-3749/0, 9-10=-3749/0	
BOT CHORD	17-18=0/2873, 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**
- Unbalanced floor live loads have been considered for this design.
  - All plates are MT20 plates unless otherwise indicated.
  - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 7-8-12 from the left end to connect truss(es) to back face of top chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
  - Fill all nail holes where hanger is in contact with lumber.
  - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)	Standard
1)	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)



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<b>LUMBER</b>		<b>BRACING</b>	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 3-5-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		
<b>REACTIONS</b>	(lb/size)	4=316/ Mechanical, (min. 0-1-8), 5=316/ Mechanical, (min. 0-1-8)	
<b>FORCES</b>	(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**
- 1) 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.
  - 2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - 3) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 1'-10-4" from the left end to connect truss(es) to back face of top chord.
  - 4) Fill all nail holes where hanger is in contact with lumber.
  - 5) 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
1)	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)	

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 3-5-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.



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





Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	FG5	Truss	1	1	Job Reference (optional)

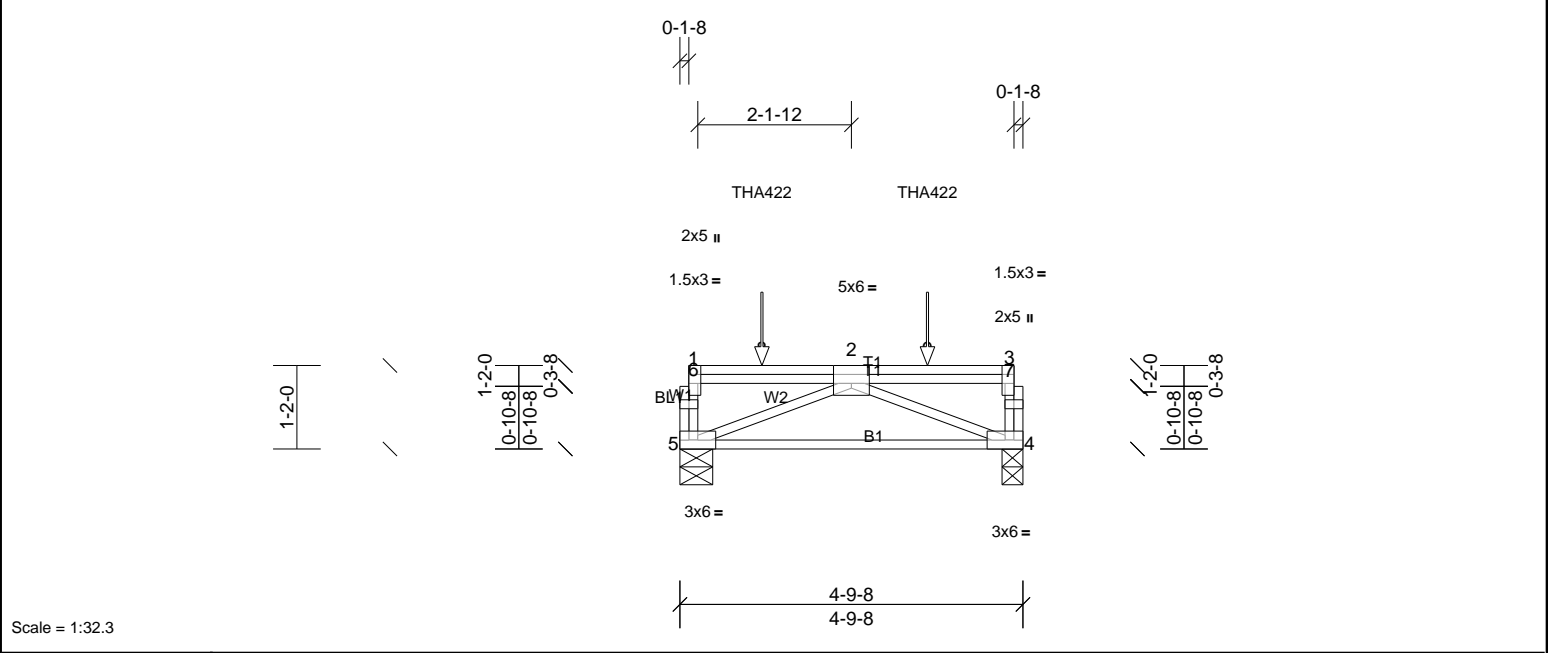


Plate Offsets (X, Y): [2:0-3-0,Edge], [3:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.90	Vert(LL)	n/a	-	n/a	999	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.07	4-5	>785	360	
BCLL	0.0	Rep Stress Incr	NO	WB	0.59	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		BRACING	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 4-9-8 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	4=1456/0-3-8, (min. 0-1-8), 5=1554/0-5-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	5-6=-620/0, 1-6=-619/0, 4-7=-518/0, 3-7=-517/0	
BOT CHORD	4-5=0/2157	
WEBS	2-5=-2306/0, 2-4=-2313/0	

- NOTES**
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 2-3-12 oc max. starting at 1-1-12 from the left end to 3-5-8 to connect truss(es) to 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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00	
Uniform Loads (lb/ft)	
Vert: 4-5=-10, 1-3=-140	
Concentrated Loads (lb)	
Vert: 8=-1175 (F), 9=-1172 (F)	



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	FG6	Truss	1	1	Job Reference (optional)

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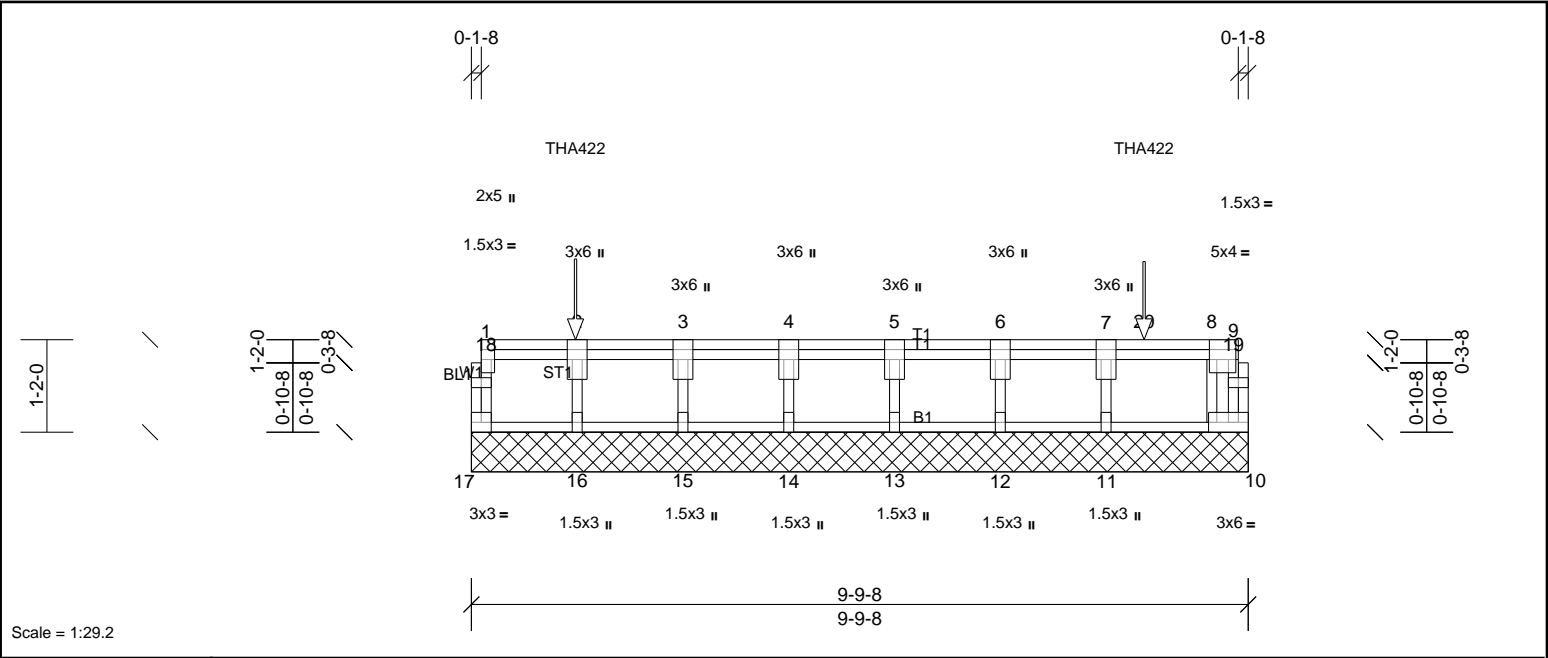


Plate Offsets (X, Y):		[9:0-2-0,Edge]										
<b>Loading</b>	(psf)	<b>Spacing</b>	2-0-0	<b>CSI</b>		<b>DEFL</b>	in	(loc)	I/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL	40.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.13	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.26	Horiz(TL)	0.00	10	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 56 lb	FT = 20%F, 11%E

<b>LUMBER</b>		<b>BRACING</b>	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		
<b>REACTIONS</b>			
All bearings 9-9-8.			
(lb) - Max Grav		All reactions 250 (lb) or less at joint(s) 12, 13, 14, 15, 17 except 10=274 (LC 1), 11=751 (LC 1), 16=1127 (LC 1)	
<b>FORCES</b>		(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
<b>WEBS</b>		2-16=-1134/0, 7-11=-723/0, 8-10=-313/0	

- NOTES**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
  - 2) Gable requires continuous bottom chord bearing.
  - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - 4) Gable studs spaced at 1-4-0 oc.
  - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/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.
  - 7) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 7-2-0 oc max. starting at 1-3-12 from the left end to 8-5-12 to connect truss(es) to front face of top chord.
  - 8) Fill all nail holes where hanger is in contact with lumber.
  - 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
- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
  - Uniform Loads (lb/ft)
    - Vert: 10-17=-10, 1-9=-100
  - Concentrated Loads (lb)
    - Vert: 2=-1079 (F), 20=-690 (F)





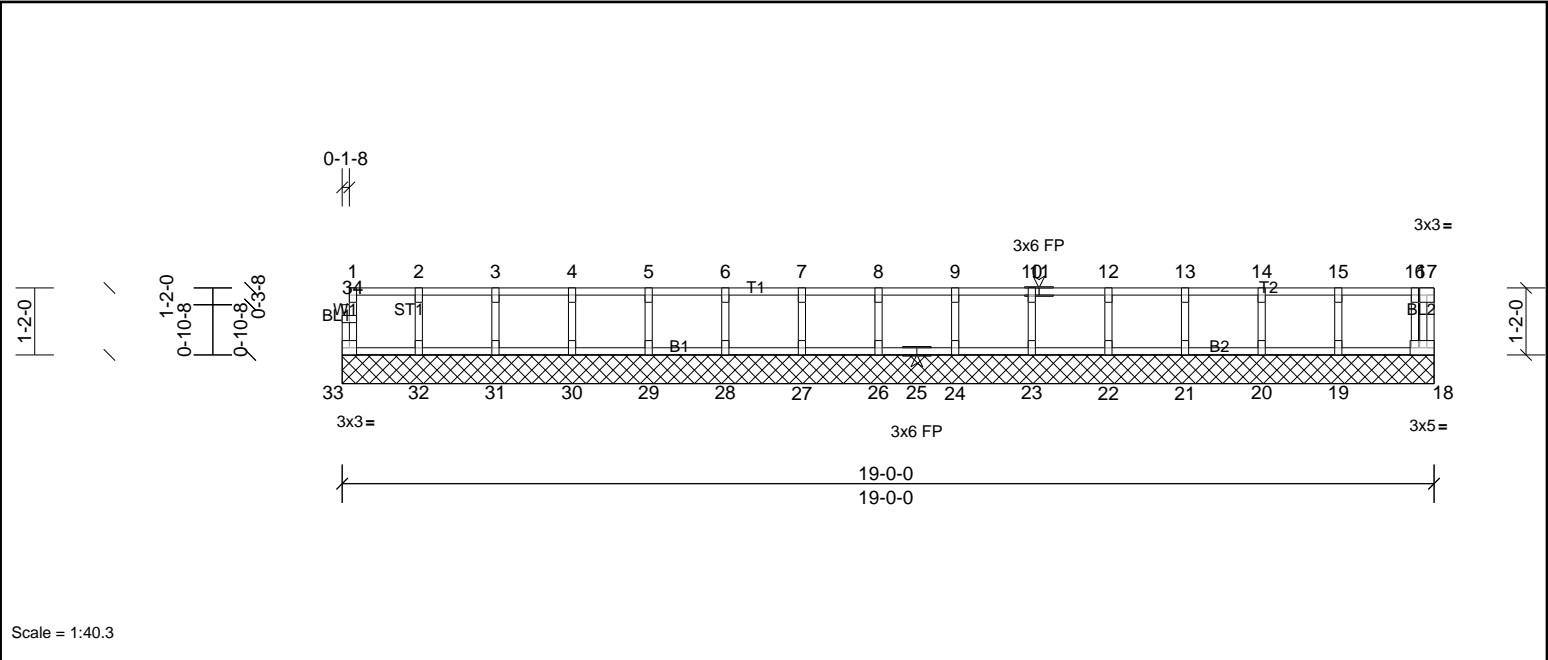
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	K200	Truss	1	1	Job Reference (optional)

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 81 lb	FT = 20%F, 11%E

LUMBER	BRACING
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS	All bearings 19-0-0.
(lb) - Max Grav	All reactions 250 (lb) or less at joint(s) 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 33

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
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- NOTES**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
  - 2) Gable requires continuous bottom chord bearing.
  - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - 4) Gable studs spaced at 1'-4-0 oc.
  - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.





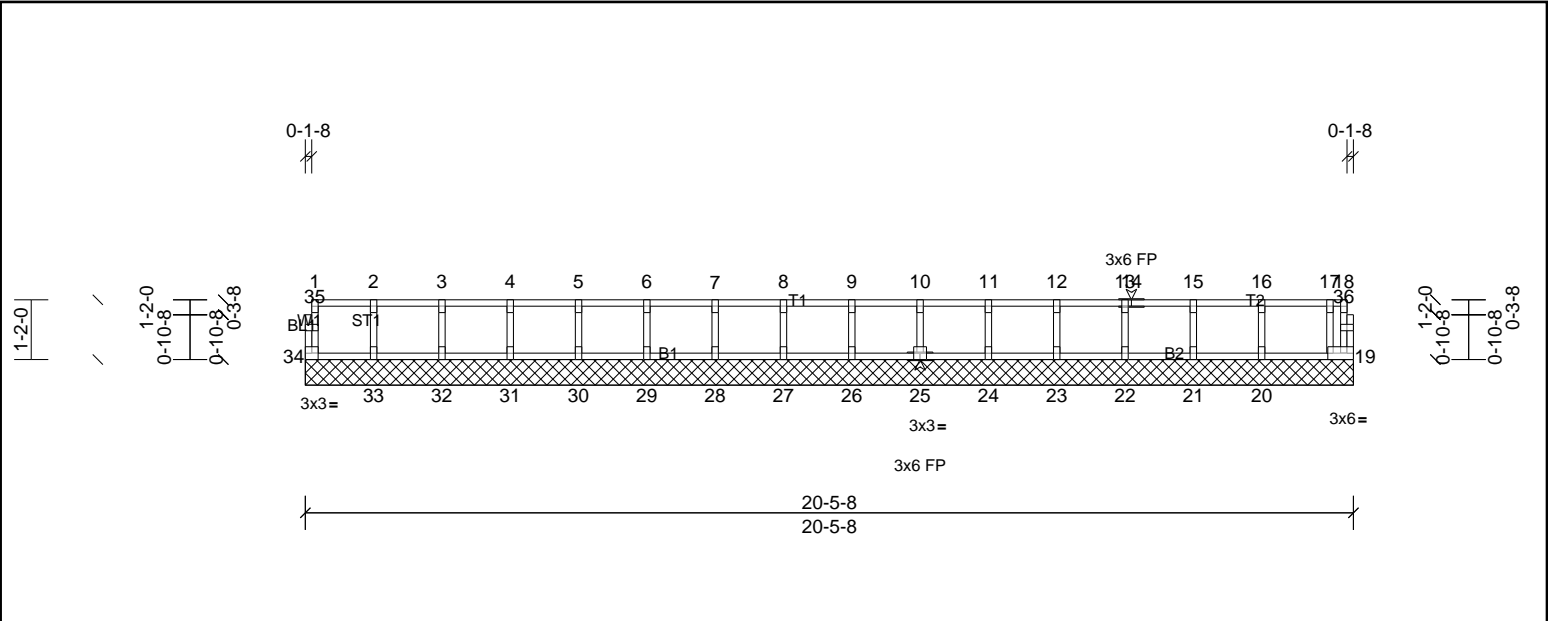
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	K202	Truss	1	1	Job Reference (optional)

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Scale = 1:45.2

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	19	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 86 lb	FT = 20%F, 11%E

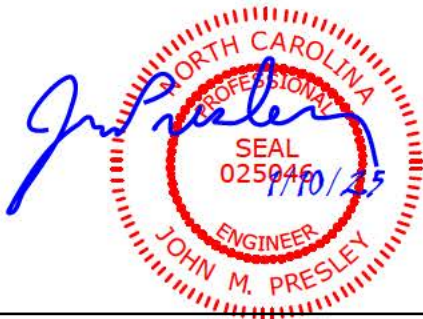
LUMBER	BRACING
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 6'-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10'-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

**REACTIONS** All bearings 20'-5-8".

(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34

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

- NOTES**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
  - 2) Gable requires continuous bottom chord bearing.
  - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - 4) Gable studs spaced at 1'-4-0 oc.
  - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 6) Recommend 2x6 strongbacks, on edge, spaced at 10'-0-0 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.



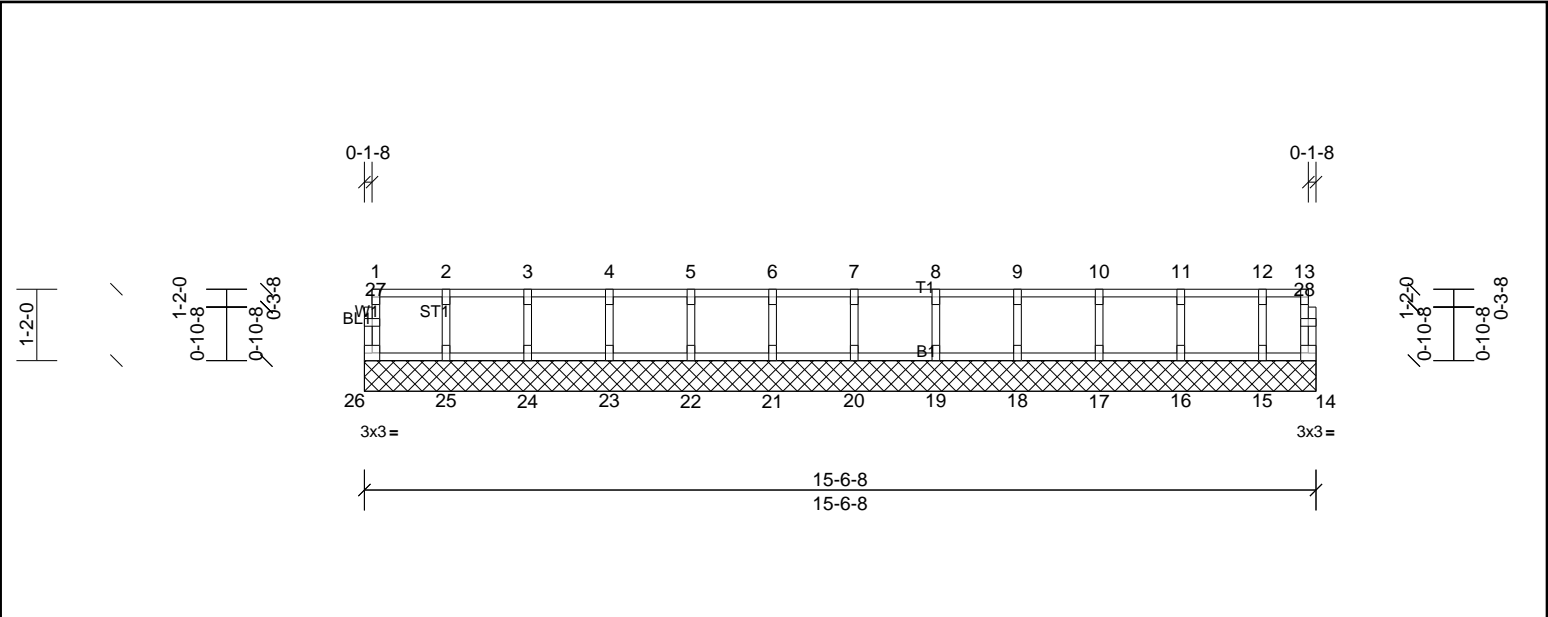
Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72500819	K203	Truss	1	1	Job Reference (optional)

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Scale = 1:37.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 66 lb	FT = 20%F, 11%E

<b>LUMBER</b>		<b>BRACING</b>	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

**REACTIONS** All bearings 15-6-8.  
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26

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

- NOTES**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
  - 2) Gable requires continuous bottom chord bearing.
  - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - 4) Gable studs spaced at 1-4-0 oc.
  - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/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.

