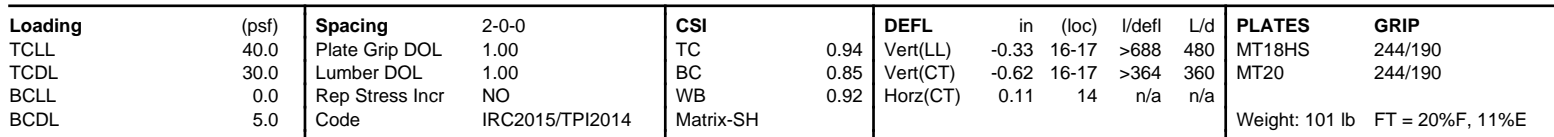


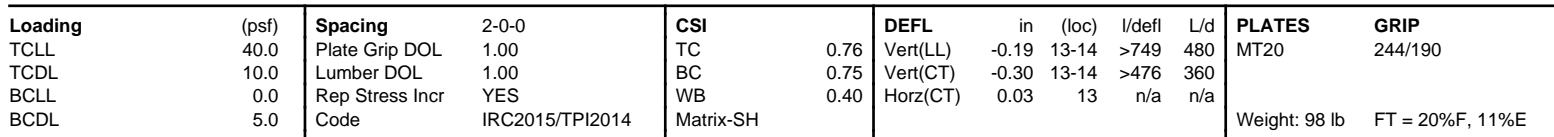
UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry	Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:29	Page: 1
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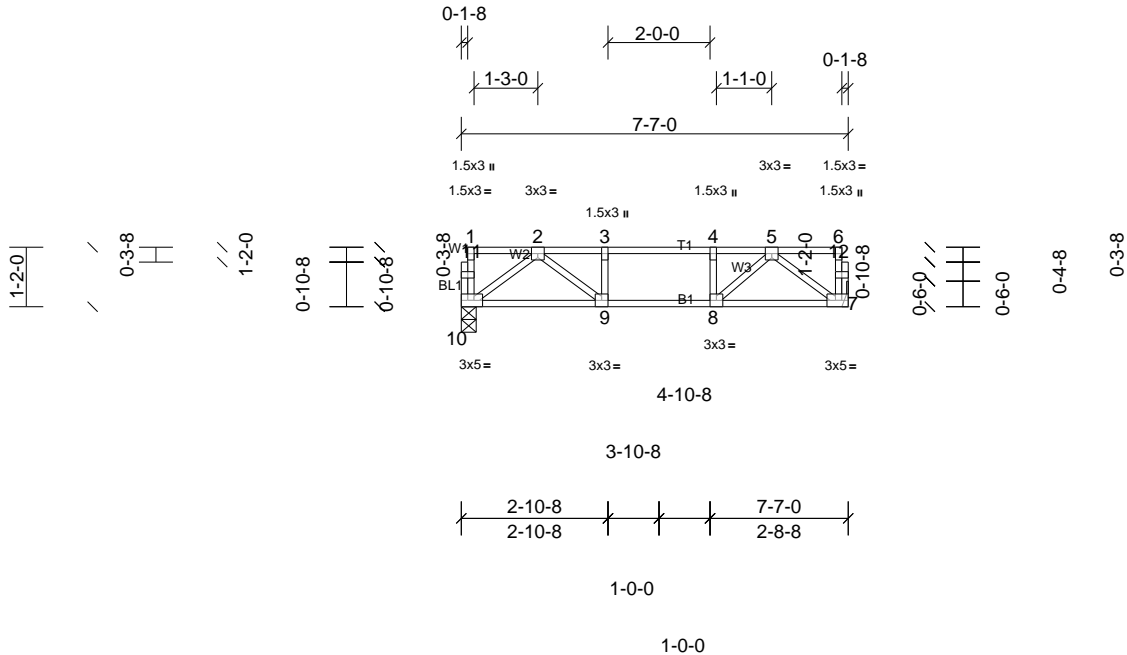
NOTES

- 1) 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 19 = 11%
- 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) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10'-00" 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: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:29 Page: 1
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Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	F202	Floor	1	1	Job Reference (optional)



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

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 7=397/ Mechanical, 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

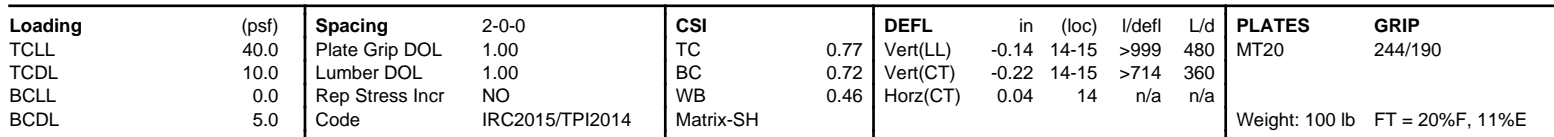
NOTES

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



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5) CAUTION, Do not erect truss backwards.



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 SBCE and Truss Plate Institute.

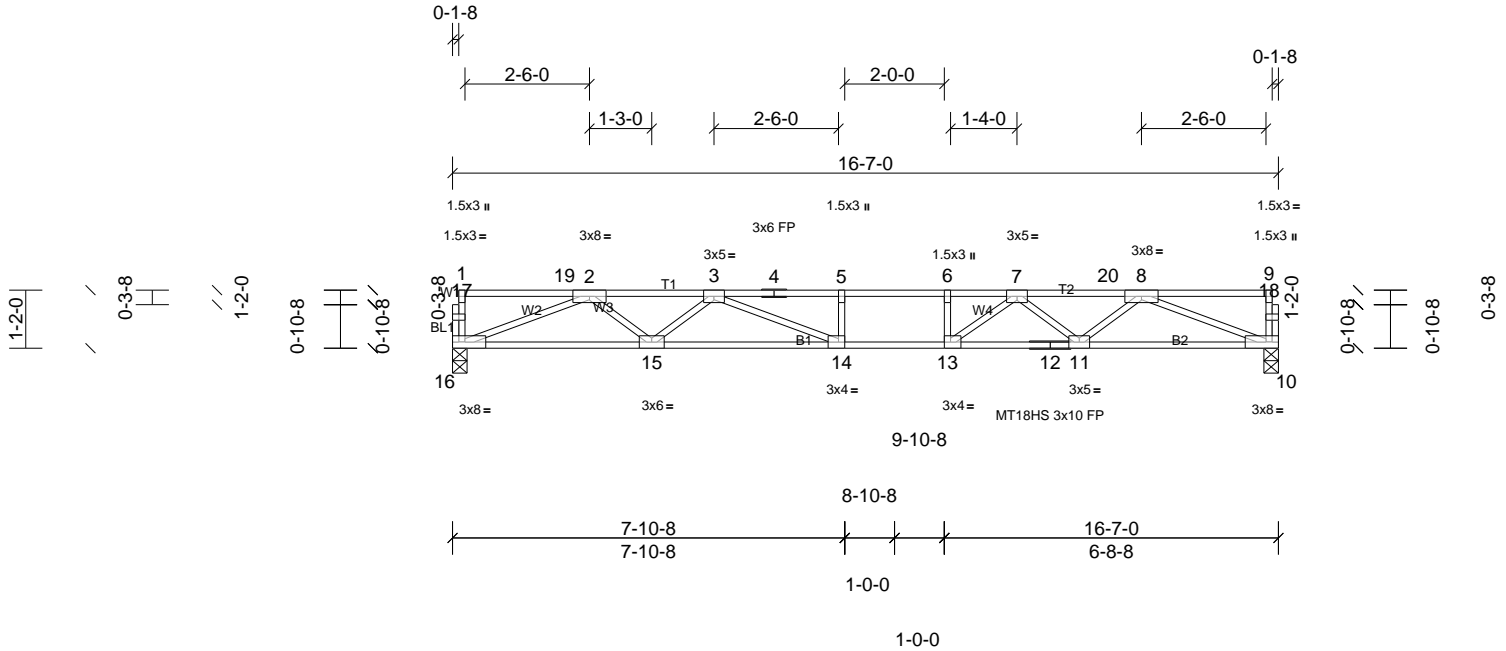


Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	F204	Floor	2	1	Job Reference (optional)

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

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:31
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Page: 1



Loading	(psf)	Spacing		CSI		DEFL	in	(loc)	I/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

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

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

LOAD CASE(S) Standard

- 1) 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



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.

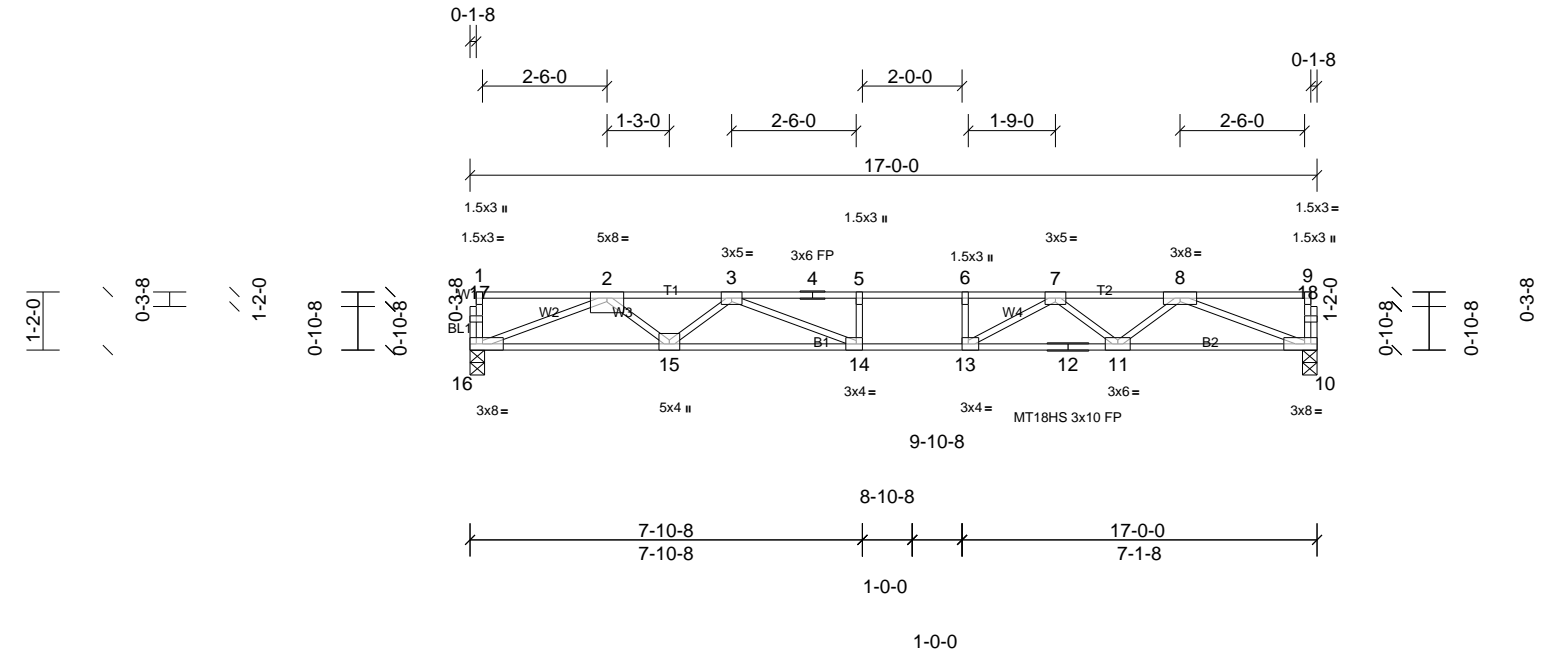


Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	F205	Floor	17	1	Job Reference (optional)

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

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Loading	(psf)	Spacing		CSI		DEFL	in	(loc)	I/defl	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)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING

TOP CHORD Structural wood sheathing directly applied or
5-6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc
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
WEBS 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

NOTES

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

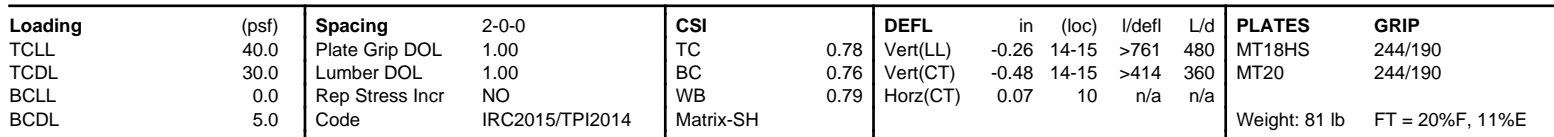
LOAD CASE(S) Standard



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.



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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

WEBS 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

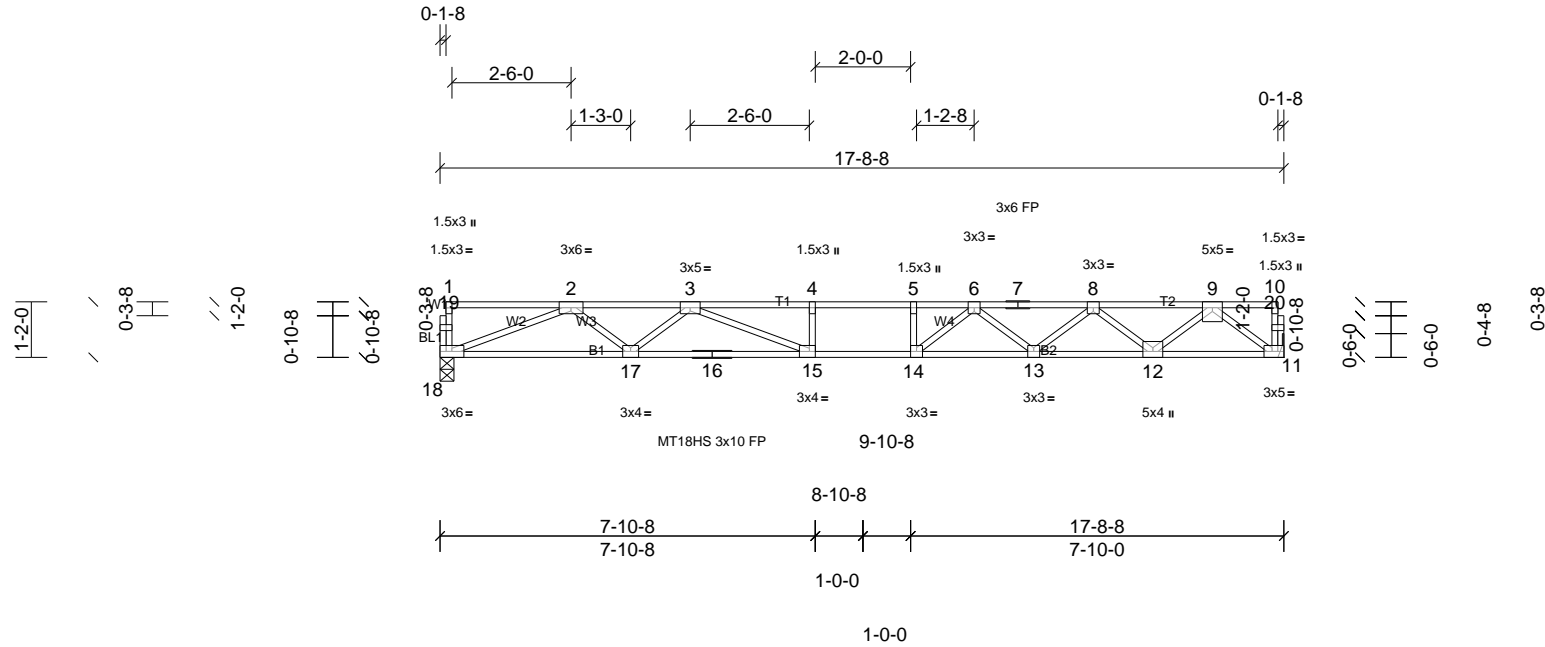
- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) Refer to girder(s) for truss to truss connections.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10'-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
72506163	F208	Floor	1	1	Job Reference (optional)

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

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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	0.96	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

LUMBER

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

TOP CHORD 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

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) Refer to girder(s) for truss to truss connections.
- 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.

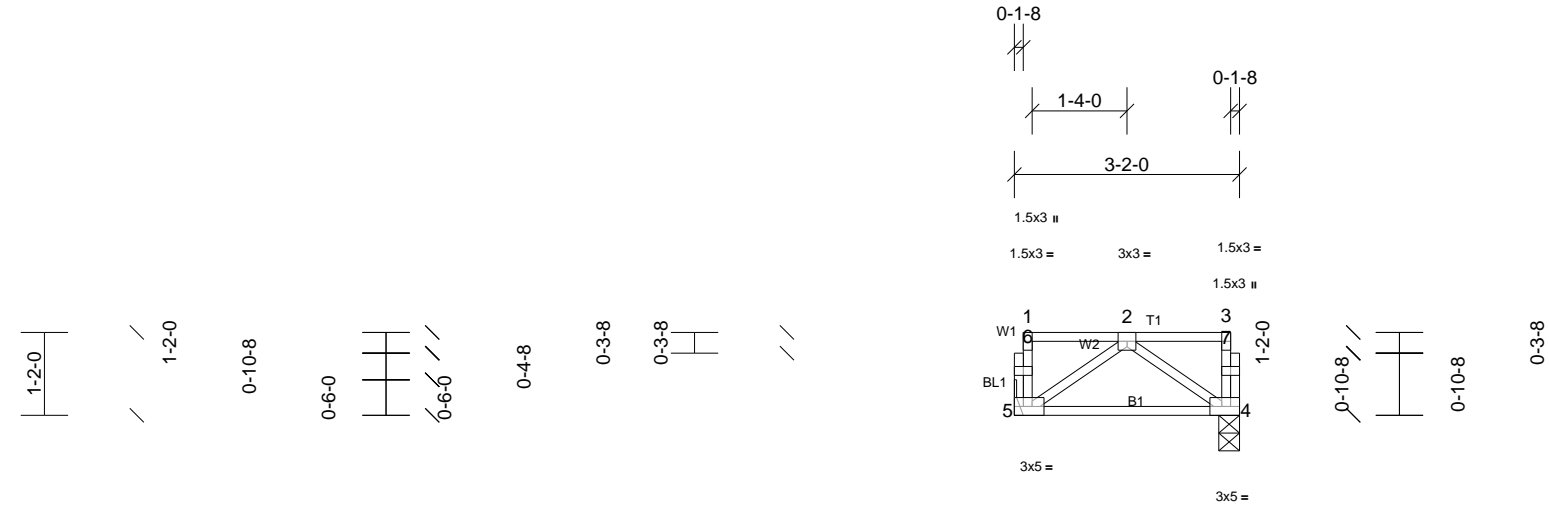
LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	F209	Floor	10	1	Job Reference (optional)



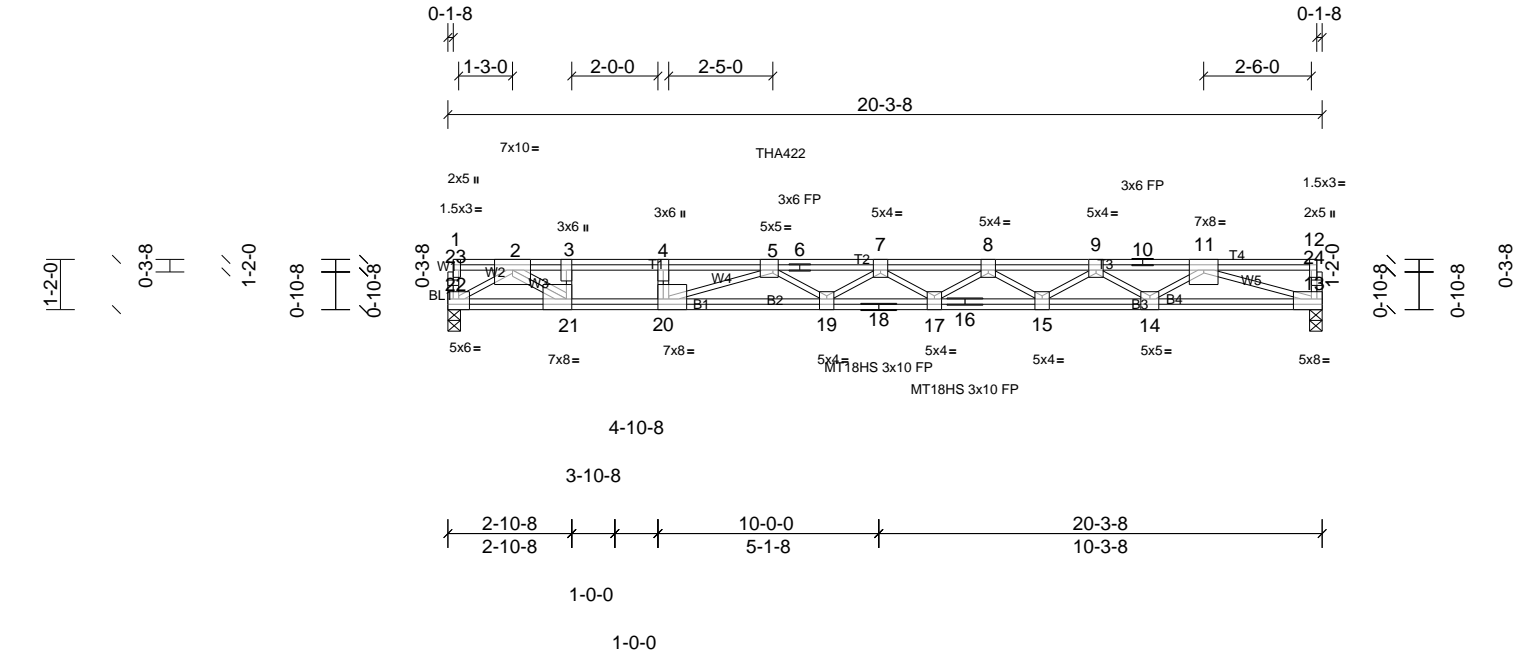
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.20	Vert(LL)	n/a	-	n/a	999	244/190
TCDL	48.0	Lumber DOL	1.00	BC	0.13	Vert(CT)	-0.01	4-5	>999	360	
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a	
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 19 lb FT = 20%F, 11%E

- LUMBER**
- TOP CHORD 2x4 SP No.2(flat)
 - BOT CHORD 2x4 SP No.2(flat)
 - WEBS 2x4 SP No.3(flat)
 - OTHERS 2x4 SP No.3(flat)
- BRACING**
- TOP CHORD Structural wood sheathing directly applied or 3-2-0 oc purlins, except end verticals.
 - BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
- REACTIONS** (lb/size) 4=260/0-3-8, (min. 0-1-8), 5=260/Mechanical
- FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
- WEBS** 2-4=-261/0, 2-5=-261/0
- NOTES**
- 1) Refer to girder(s) for truss to truss connections.
 - 2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- LOAD CASE(S)** Standard



Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	FG1	Floor Girder	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Joy Perry Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Mon Jul 21 09:39:33 Page: 1
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Loading	(psf)	Spacing		CSI		DEFL	in	(loc)	l/defl	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)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc 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

BOT CHORD 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

WEBS 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

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: 5=-216 (F)

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 5) 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.
 - 6) Fill all nail holes where hanger is in contact with lumber.
 - 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).



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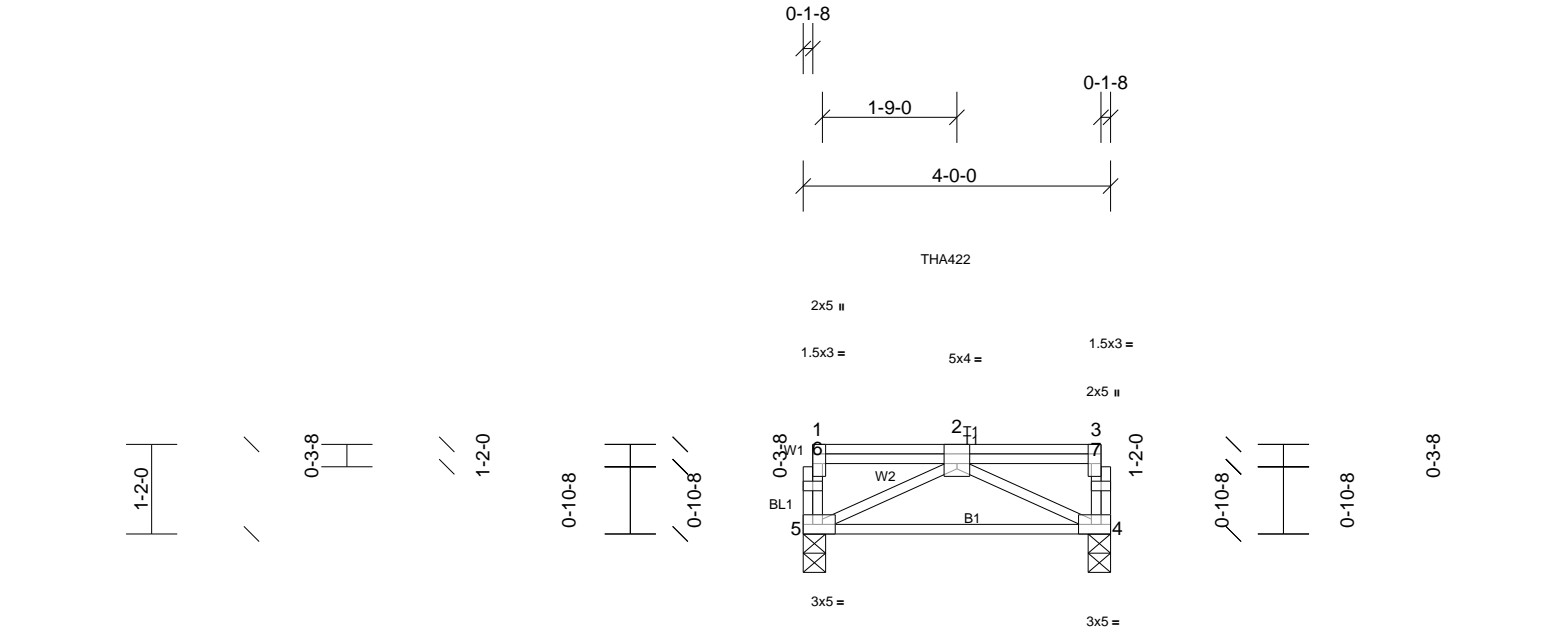


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Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	FG4	Floor Girder	1	1	Job Reference (optional)



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	0.10	Vert(LL)	n/a	-	n/a	999	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)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc 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)

- 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)

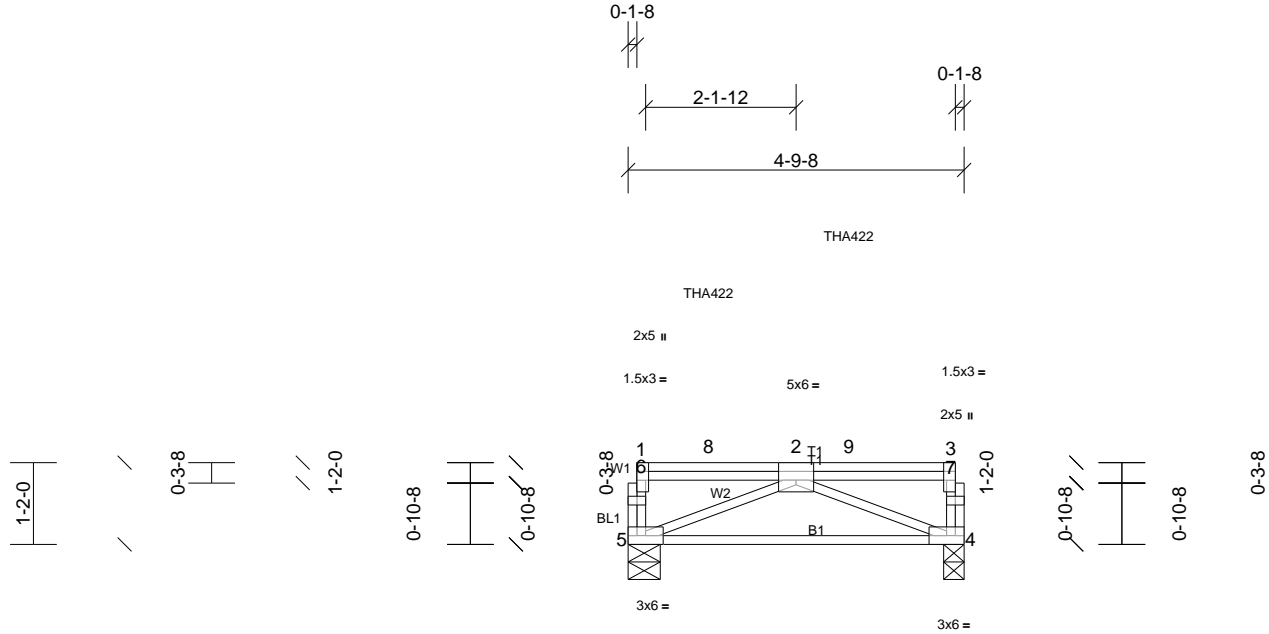


Job	Truss	Truss Type	Qty	Ply	MUNGO HOMES-RUSSELL 2ND FLR
72506163	FG5	Floor Girder	1	1	Job Reference (optional)

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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	0.85	Vert(LL)	n/a	-	n/a	999	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)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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

TOP CHORD 5-6=-589/0, 1-6=-588/0, 4-7=-342/0,
3-7=-341/0

BOT CHORD 4-5=0/2190

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

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 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.
- 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)

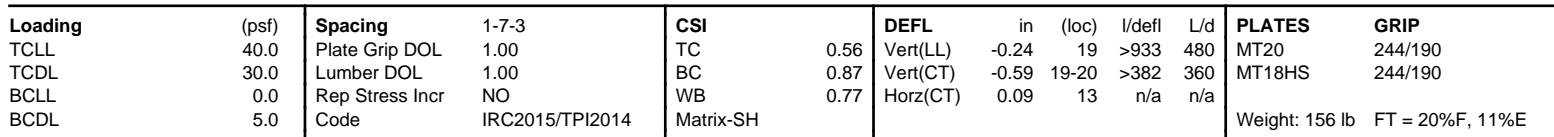
- Standard
- 1) Dead + Floor Live (balanced): Lumber Increase=1.00,
Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 4-5=-10, 1-3=-140
Concentrated Loads (lb)
Vert: 8=-1088 (F), 9=-1086 (F)



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NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) 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.

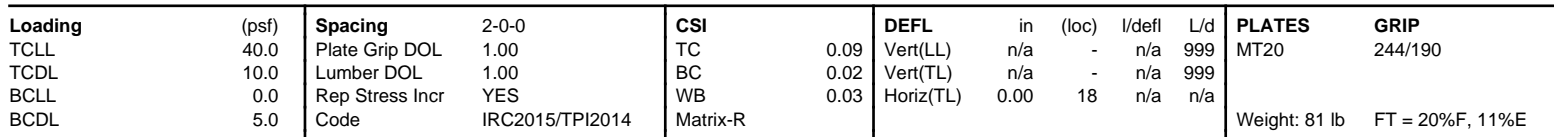


A red circular professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "ENGINEER" at the bottom. Inside the ring, the name "HUNTER B. DOSS" is written in a semi-circle. In the center, the word "SEAL" is at the top, followed by the license number "054919" and the expiration date "7/21/2025". A blue ink signature, "Hunter B. Doss", is written across the seal.

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

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

(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

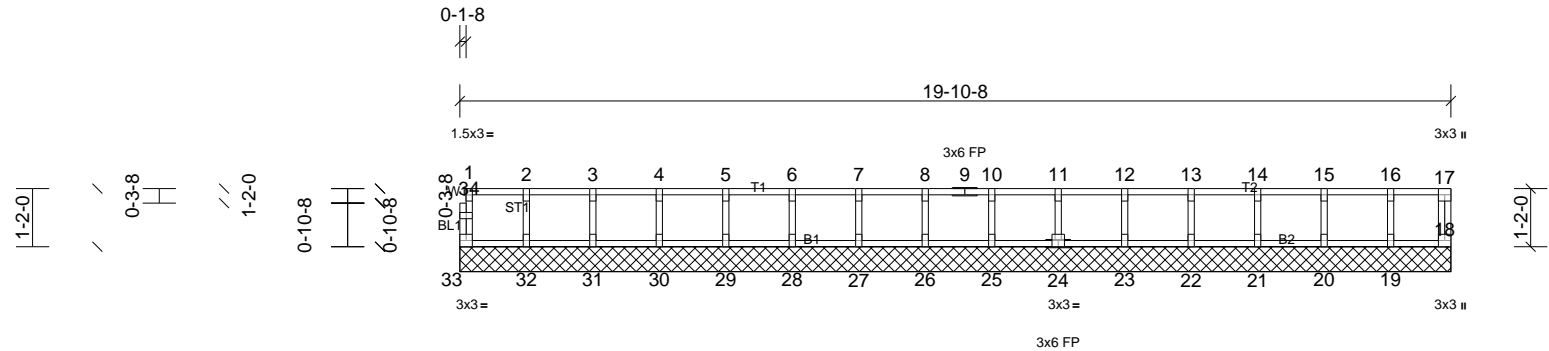
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- 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.

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



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

BRACING

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

FORCES

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

NOTES

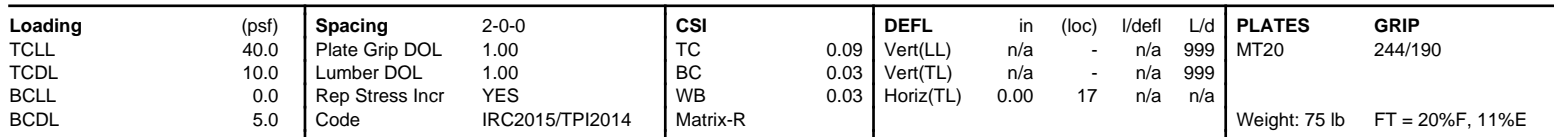
- All plates are 1.5x3 (||) MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- This truss is designed in accordance with the 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.
- CAUTION, Do not erect truss backwards.

LOAD CASE(S)

Standard



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LOAD CASE(S) Standard



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