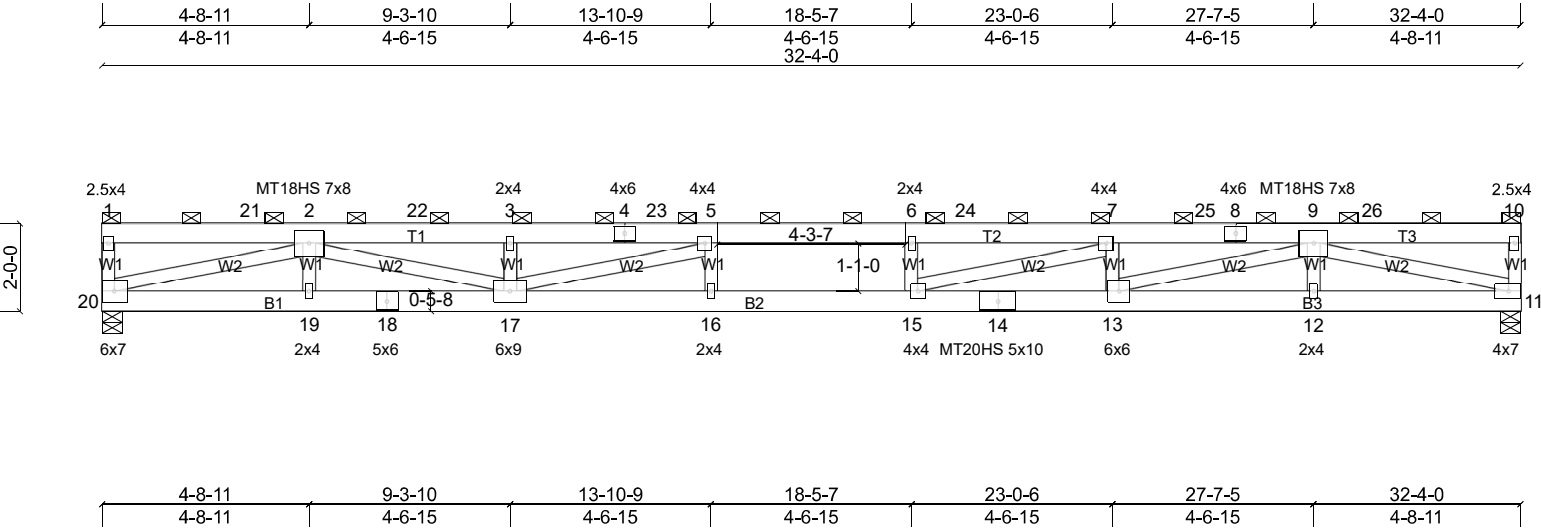


Job	Truss	Truss Type	Qty	Ply	CLAIBORNE PARISH LIBRARY - HAYNESVILLE
Q501733	GRD1	Flat	1	4	Job Reference (optional)



Scale = 1:52.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.55	15-16	>695	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(TL)	-1.38	15-16	>278	180	MT18HS	244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.76	Horiz(TL)	0.16	11	n/a	n/a	MT20HS	187/143
BCDL	10.0	Code	IBC2006/TPI2002	Matrix-S							Weight: 813 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP No.1	TOP CHORD	2-0-0 oc purlins (6-0-0 max.): 1-10, except end verticals.
BOT CHORD	2x6 SP 2400F 2.0E *Except* B1:2x6 SP No.1	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W2:2x4 SP No.2		

REACTIONS (lb/size) 11=6088/0-5-8, (min. 0-1-8), 20=6088/0-5-8, (min. 0-1-13)
Max Horiz 20=40 (LC 8)
Max Uplift 11=-150 (LC 6), 20=-150 (LC 5)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-20=-884/108, 1-21=-558/65, 2-21=-558/65, 2-22=-25191/2084, 3-22=-25191/2084, 3-4=-25191/2084, 4-23=-25191/2084, 5-23=-25191/2084, 5-6=-30317/2504, 6-24=-30317/2504, 7-24=-30317/2504, 7-25=-25299/2094, 8-25=-25299/2094, 8-9=-25299/2094, 9-26=-569/66, 10-26=-569/66, 10-11=-869/107
BOT CHORD 19-20=-1293/15278, 18-19=-1293/15278, 17-18=-1293/15278, 16-17=-2523/30317, 15-16=-2523/30317, 14-15=-2108/25299, 13-14=-2108/25299, 12-13=-1286/15284, 11-12=-1286/15284
WEBS 9-11=-15527/1294, 2-20=-15533/1298, 2-17=-857/10460, 3-17=-1576/190, 5-17=-5409/450, 6-15=-1632/198, 7-15=-438/5294, 7-13=-3281/330, 9-13=-868/10568

- NOTES**
- 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
Attach TC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (all heights) and C-C Exterior (2) 0-1-12 to 3-4-9, Interior (1) 3-4-9 to 32-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 20 and 11. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-10=-360 (F=-300), 11-20=-20

Job	Truss	Truss Type	Qty	Ply	CLAIBORNE PARISH LIBRARY - HAYNESVILLE
Q501733	GRD1	Flat	1	4	Job Reference (optional)

Job	Truss	Truss Type	Qty	Ply	CLAIBORNE PARISH LIBRARY - HAYNESVILLE
Q501733	R1	Monopitch	4	3	Job Reference (optional)

Rogers Manufacturing Corporation, West Monroe, LA 71291-9197

Run: 8.83 S Mar 11 2025 Print: 8.830 S Mar 11 2025 MiTek Industries, Inc. Mon Aug 18 14:44:28

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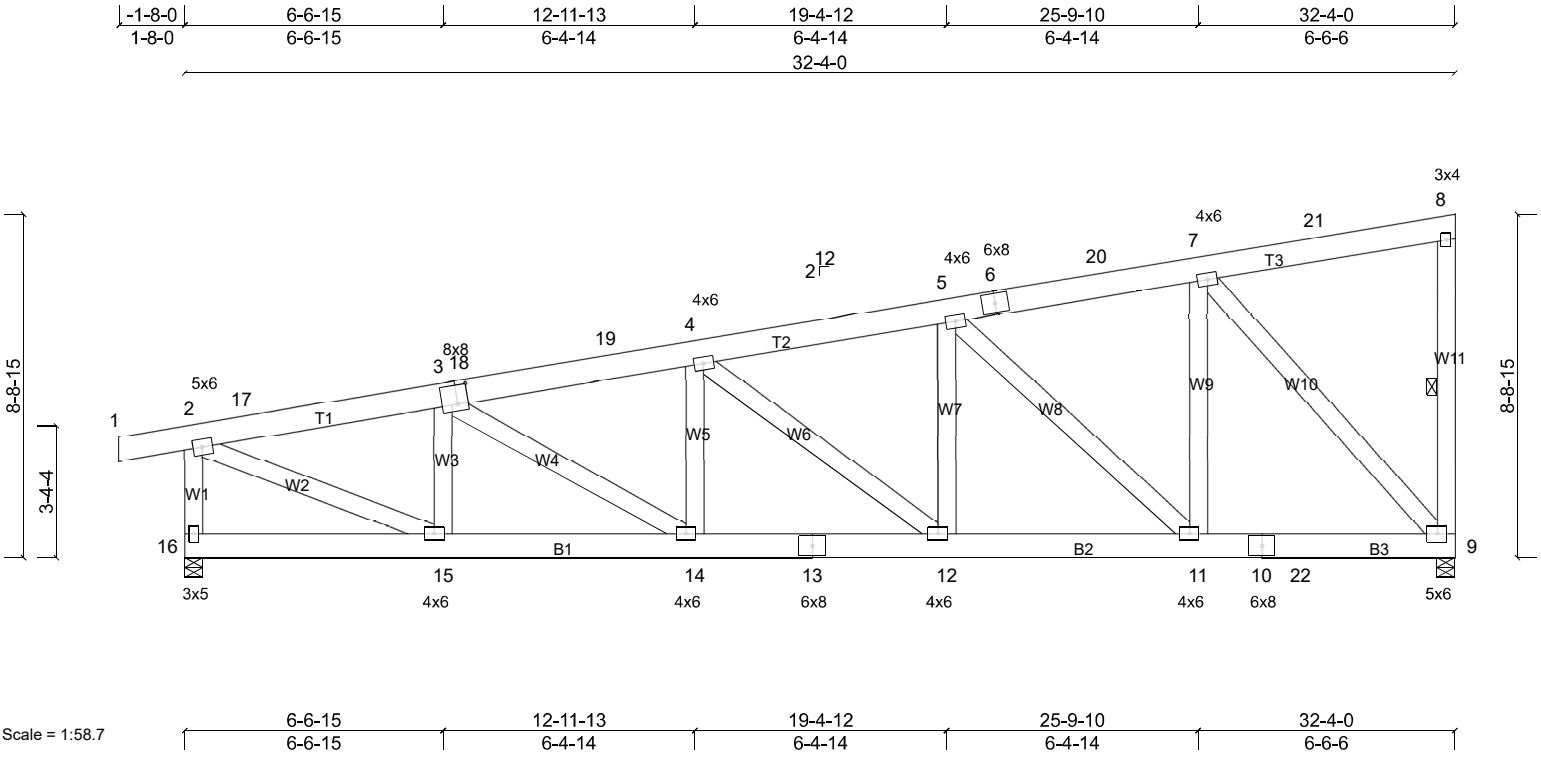


Plate Offsets (X, Y): [3:0-3-4,0-6-0]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	-0.02	14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(TL)	-0.04	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horiz(TL)	0.01	9	n/a	n/a		
BCDL	10.0	Code	IBC2006/TPI2002	Matrix-S							Weight: 1084 lb FT = 20%	

LUMBER		BRACING	
TOP CHORD	2x8 SP 2400F 1.7E	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x8 SP 2400F 1.7E	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x6 SP No.1	WEBS	1 Row at midpt 8-9

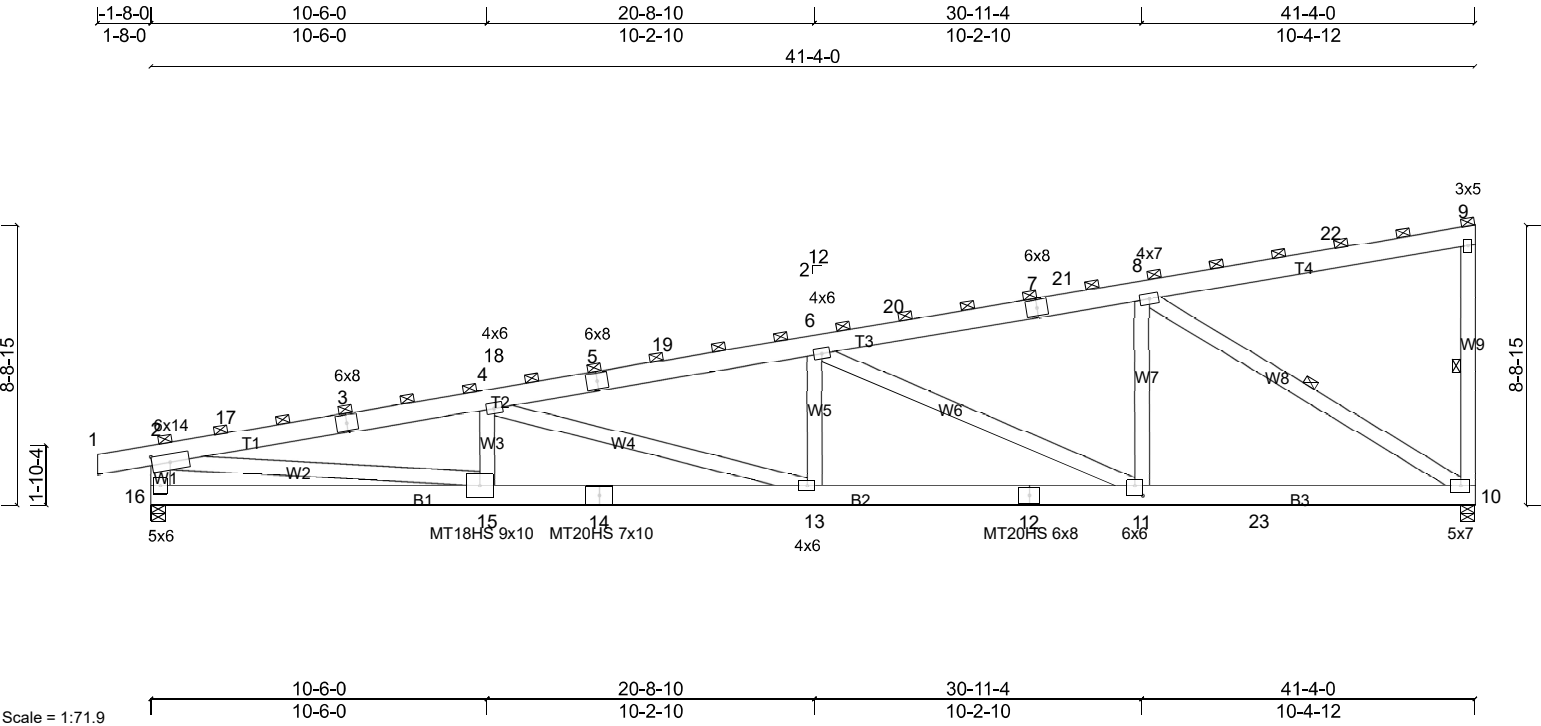
REACTIONS (lb/size) 9=1364/0-5-8, (min. 0-1-8), 16=1413/0-5-8, (min. 0-1-8)	
Max Horiz 16=254 (LC 6)	
Max Uplift 9=-32 (LC 6), 16=-34 (LC 5)	

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD 2-17=-1792/0, 3-17=-1759/7, 3-18=-2125/25, 18-19=-2120/31, 4-19=-2083/37, 4-5=-1768/59, 5-6=-1065/67, 6-20=-1035/73, 7-20=-1008/79, 2-16=-1339/131	
BOT CHORD 15-16=-281/96, 14-15=-202/1735, 13-14=-153/2066, 12-13=-153/2066, 11-12=-116/1713, 10-11=-88/1021, 10-22=-88/1021, 9-22=-88/1021	
WEBS 2-15=0/1831, 7-9=-1518/49, 3-15=-623/82, 3-14=-6/385, 4-12=-445/47, 5-12=0/461, 5-11=-946/38, 7-11=0/874	

- NOTES**
- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (all heights) and C-C Exterior (2) 7-4-0 to 10-6-13, Interior (1) 10-6-13 to 41-1-4 zone; cantilever left and right exposed ; end vertical left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 9 and 16. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CLAIBORNE PARISH LIBRARY - HAYNESVILLE
Q501733	R2	Monopitch	2	3	Job Reference (optional)



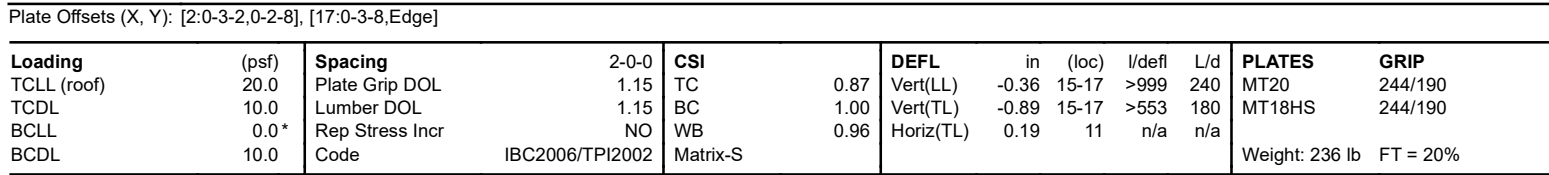
Loading		Spacing		CSI		DEFL		PLATES		GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.36 13-15 >999 240	MT20	244/190		
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(TL)	-0.91 13-15 >536 180	MT20HS	187/143		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.78	Horiz(TL)	0.17 10 n/a n/a	MT18HS	244/190		
BCDL	10.0	Code	IBC2006/TPI2002	Matrix-S					Weight: 1224 lb FT = 20%		

LUMBER				BRACING			
TOP CHORD	2x8 SP 2400F 1.7E			TOP CHORD	2-0-0 oc purlins (6-0-0 max.), except end verticals		
BOT CHORD	2x8 SP 2400F 1.7E				(Switched from sheeted: Spacing > 2-0-0).		
WEBS	2x6 SP No.1 *Except* W1:2x8 SP 2400F 1.7E			BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.		
REACTIONS (lb/size) 10=9634/0-5-8, (min. 0-3-13), 16=9841/0-5-8, (min. 0-3-14)				WEBS	1 Row at midpt	9-10, 8-10	
Max Horiz 16=1377 (LC 6)							
Max Uplift 16=-101 (LC 9)							
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.							
TOP CHORD							
2-17=-24356/0, 3-17=-24039/1, 3-4=-24026/59, 4-18=-21453/128, 5-18=-21434/139, 5-19=-21196/185, 6-19=-21147/240,							
6-20=-12663/268, 7-20=-12394/312, 7-21=-12285/334, 8-21=-12162/370, 8-22=-549/439, 9-22=-483/492,							
9-10=-1408/493, 2-16=-9064/885							
BOT CHORD							
15-16=-1549/4366, 14-15=-964/23700, 13-14=-964/23700, 12-13=-687/20907, 11-12=-687/20907, 11-23=-523/12225,							
10-23=-523/12225							
WEBS							
2-15=0/19490, 8-10=-14279/270, 4-15=-1655/708, 4-13=-2910/289, 6-13=0/2930, 6-11=-9556/181, 8-11=0/5929							

- NOTES**
- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=41ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (all heights) and C-C Exterior (2) -1-8-0 to 2-5-10, Interior (1) 2-5-10 to 41-1-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Rogers Manufacturing Corporation, West Monroe, LA 71291-9197 Run: 8.83 S Mar 11 2025 Print: 8.830 S Mar 11 2025 MiTek Industries, Inc. Mon Aug 18 14:44:29 Page: 1
ID:J9BoF1ea?BCU9XNvpEmRUbyt8V9-clKihfPIVyKMMH5dPYILLV4JbR7PjiaAz3amzvymahW



FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-19=-4046/0, 3-19=-4004/4, 3-4=-3972/12, 4-20=-4172/25, 5-20=-4132/32, 5-21=-4100/39, 6-21=-4091/40, 6-22=-3281/51, 7-22=-3208/59, 7-8=-1889/63, 8-23=-1851/69, 9-23=-1816/78, 2-18=-1736/145
BOT CHORD	17-18=-309/220, 16-17=-196/3950, 15-16=-196/3950, 14-15=-150/4076, 13-14=-115/3196, 12-13=-115/3196, 12-25=-92/1826, 11-25=-92/1826
WEBS	4-17=-554/104, 6-15=0/312, 6-14=-996/39, 7-14=0/709, 7-12=-1671/29, 9-12=0/1289, 9-11=-2370/48, 2-17=0/3797

- ### NOTES
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCFL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=41ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (all heights) and C-C Exterior (2) -1-8-0 to 2-5-10, Interior (1) 2-5-10 to 41-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) All plates are MT20 plates unless otherwise indicated.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 18. This connection is for uplift only and does not consider lateral forces.
 - 7) This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job Q501733	Truss R4	Truss Type Monopitch	Qty 3	Ply 1	CLAIBORNE PARISH LIBRARY - HAYNESVILLE Job Reference (optional)
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Rogers Manufacturing Corporation, West Monroe, LA 71291-9197

Run: 8.83 S Mar 11 2025 Print: 8.830 S Mar 11 2025 MiTek Industries, Inc. Mon Aug 18 14:44:29

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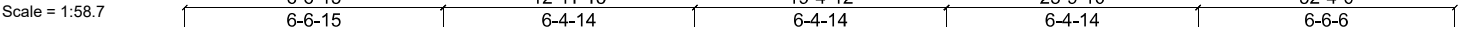
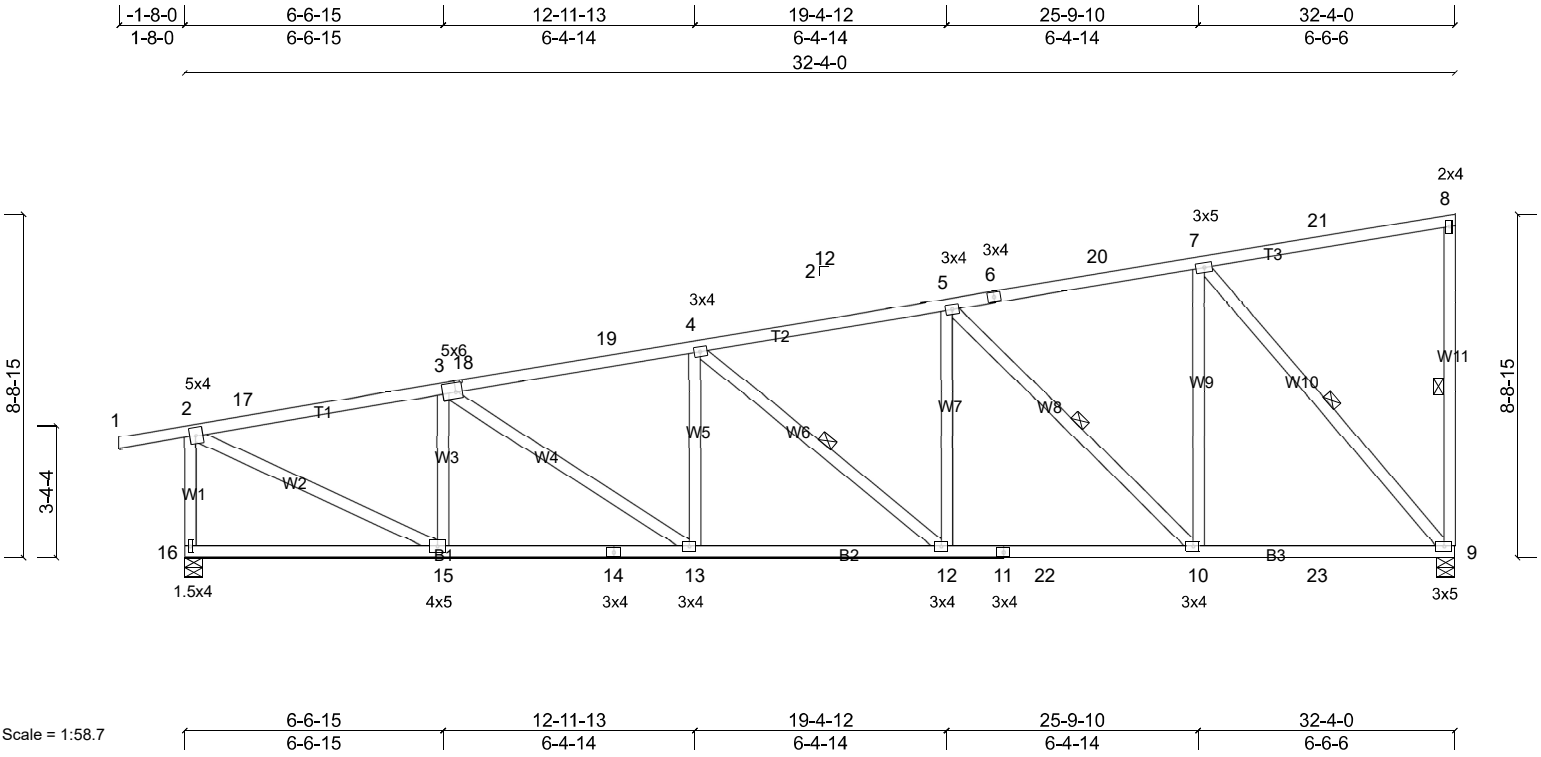


Plate Offsets (X, Y): [3:0-2-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.10	10-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(TL)	-0.26	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horiz(TL)	0.08	9	n/a	n/a		
BCDL	10.0	Code	IBC2006/TPI2002	Matrix-S							Weight: 208 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

REACTIONS (lb/size) 9=1450/0-5-8, (min. 0-1-11), 16=1453/0-5-8, (min. 0-1-11)
Max Horiz 16=263 (LC 6)
Max Uplift 9=-34 (LC 6), 16=-32 (LC 5)

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-1-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 8-9, 7-9, 4-12, 5-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-1775/0, 3-17=-1744/9, 3-18=-2125/27, 18-19=-2119/33, 4-19=-2068/40, 4-5=-1831/62, 5-6=-1109/71, 6-20=-1078/76, 7-20=-1051/82, 2-16=-1392/130
BOT CHORD 15-16=-293/95, 14-15=-211/1720, 13-14=-211/1720, 12-13=-160/2065, 11-12=-121/1774, 11-22=-121/1774, 10-22=-121/1774, 10-23=-92/1064, 9-23=-92/1064
WEBS 2-15=-1/1868, 7-9=-1608/52, 3-15=-674/85, 3-13=-5/411, 4-12=-375/51, 5-12=0/453, 5-10=-996/41, 7-10=0/965

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (all heights) and C-C Exterior (2) 7-4-0 to 10-6-13, Interior (1) 10-6-13 to 41-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 9 and 16. This connection is for uplift only and does not consider lateral forces.
- This truss is designed in accordance with the 2006 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard