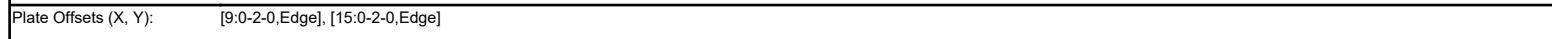


UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Tony Demers Run: 8.73 S Jul 24 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Nov 13 14:14:04 Page: 1
ID:0ls0f1ICZF9RAG0mv6R3bLyd1gK-OUFC2azzUSOzPZ96kzj4WKMtYJCq03TXZGuYJau1



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) 9=675/0-6-0, (min. 0-1-8), 15=675/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-.919/0, 3-4=-.1393/0, 4-5=-.1476/0, 5-6=-.1476/0, 6-7=-.909/0
BOT CHORD	14-15=0/565, 13-14=0/1261, 12-13=0/1476, 11-12=0/1476, 10-11=0/1248, 9-10=0/569
WEBS	2-15=-.846/0, 2-14=0/563, 3-14=-.543/0, 3-13=0/257, 4-13=-.253/0, 7-9=-.853/0, 7-10=0/540, 6-10=-.539/0, 6-11=0/449

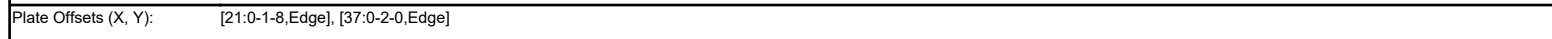
NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x3 MT20 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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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.

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Tony Demers Run: 8.73 S Jul 24 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Nov 13 14:14:05 Page: 1
ID: B4zGS0vub2WY?nZu1kV0jgycO3s-OUFC2zazzUSOzPZ96kzjj4WHDtW Cnv3TXZGuAyJau1



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 2-2-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		
REACTIONS			
	All bearings 0-1-8. except 31=0-6-0, 22=0-6-0		
(lb) - Max Uplift	All uplift 100 (lb) or less at joint(s) except 21=-712 (LC 3)		
Max Grav	All reactions 250 (lb) or less at joint(s) 21 except 22=1769 (LC 11), 31=1494 (LC 3), 37=622 (LC 5)		
FORCES			
	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-829/0, 3-4=-1212/0, 4-5=-1220/0, 5-6=-1220/0, 6-7=-557/61, 7-8=0/802, 8-9=0/802, 9-10=-490/0, 10-11=-490/0, 11-12=-1046/0, 12-13=-1180/0, 13-14=-1180/0, 14-15=-1180/0, 15-16=-752/0, 17-18=0/1346, 18-19=0/1346		
BOT CHORD	36-37=0/515, 35-36=0/1132, 34-35=0/1220, 33-34=0/1220, 32-33=0/940, 31-32=-267/192, 28-29=0/858, 27-28=0/1180, 26-27=0/1180, 25-26=0/1031, 24-25=0/457, 23-24=0/457, 22-23=-665/0, 21-22=-657/0		
WEBS	5-33=-310/0, 2-37=-772/0, 2-36=0/498, 3-36=-482/0, 7-31=-938/0, 7-32=0/620, 6-32=-661/0, 6-33=0/581, 9-31=-935/0, 9-29=0/636, 11-29=-617/0, 11-28=0/341, 12-28=-324/0, 17-22=-1088/0, 17-23=0/808, 16-23=-791/0, 16-25=0/468, 15-25=-443/0, 19-21=0/988, 19-22=-1108/0		

- | | |
|---------------------|----------|
| 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.



Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F2A	Truss	2	1	

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Tony Demers

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Page: 1

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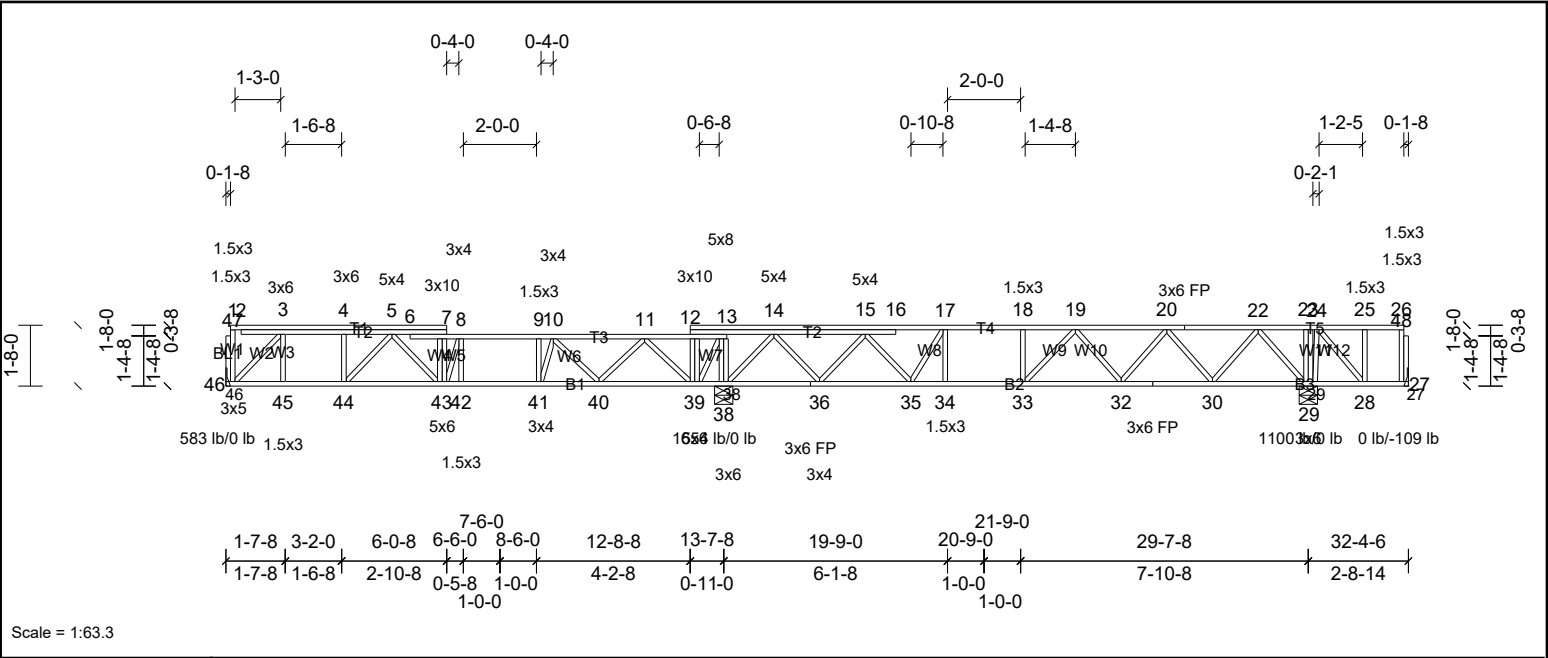


Plate Offsets (X, Y): [4:0-3-0,Edge], [5:0-2-0,Edge], [12:Edge,0-1-8], [13:0-4-8,Edge], [14:0-2-0,Edge], [15:0-2-0,Edge], [46:0-2-0,Edge]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.91	Vert(LL)	-0.11	32-33	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.20	32-33	>956	480		
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.03	29	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 208 lb	FT = 20%F, 11%E

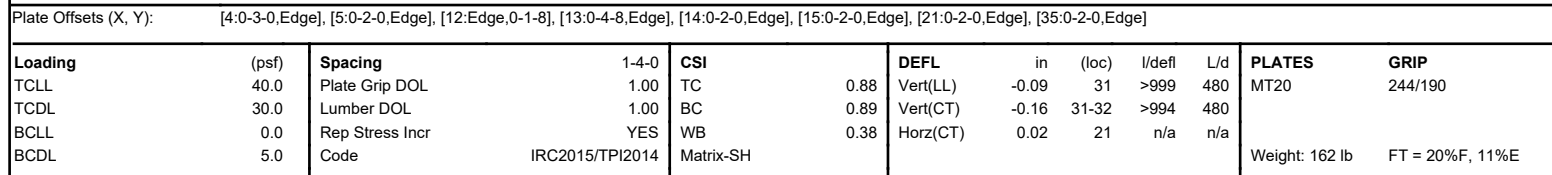
LUMBER	BRACING
TOP CHORD 2x4 SP No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 39-40,38-39,36-38,28-29,27-28.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS All bearings 0-1-8, except 29=0-6-0, 38=0-6-0
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) except 27=-109 (LC 3)
Max Grav All reactions 250 (lb) or less at joint(s) 27 except 29=1100 (LC 4), 38=1655 (LC 3), 46=584 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-713/0, 4-5=-713/0, 5-6=-1237/0, 6-7=-1251/0, 7-8=-1248/0, 8-9=-1226/0, 9-10=-1226/0, 10-11=-628/0, 11-12=0/698, 12-13=0/699, 13-14=0/1086, 14-15=-518/164, 15-16=-1273/0, 16-17=-1270/0, 17-18=-1544/0, 18-19=-1544/0, 19-20=-1406/0, 20-21=-787/0, 21-22=-787/0, 22-23=0/345, 23-24=0/348
BOT CHORD 45-46=0/713, 44-45=0/713, 43-44=0/1137, 42-43=0/1226, 41-42=0/1226, 40-41=0/1072, 38-39=-1131/0, 37-38=-414/49, 36-37=-414/49, 35-36=0/968, 34-35=0/1544, 33-34=0/1544, 32-33=0/1574, 31-32=0/1194, 30-31=0/1194, 29-30=0/369, 28-29=-314/0
WEBS 8-42=-342/0, 9-41=-542/0, 13-38=-818/0, 17-34=0/257, 3-46=-1031/0, 5-44=-638/0, 4-44=0/405, 8-43=0/318, 11-39=-861/0, 11-40=0/628, 10-40=-698/0, 10-41=0/744, 13-39=0/813, 14-38=-1139/0, 14-36=0/762, 15-36=-732/0, 15-35=0/527, 17-35=-641/0, 22-29=-957/0, 22-30=0/669, 20-30=-655/0, 20-32=0/342, 19-32=-276/0, 24-28=0/482, 25-28=-262/0

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 3x3 MT20 unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at joint 27.
 - 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) CAUTION, Do not erect truss backwards.
- LOAD CASE(S)** Standard

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Tony Demers Run: 8.73 S Jul 24 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Nov 13 14:14:06 Page: 1
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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F4	Truss	4	1	

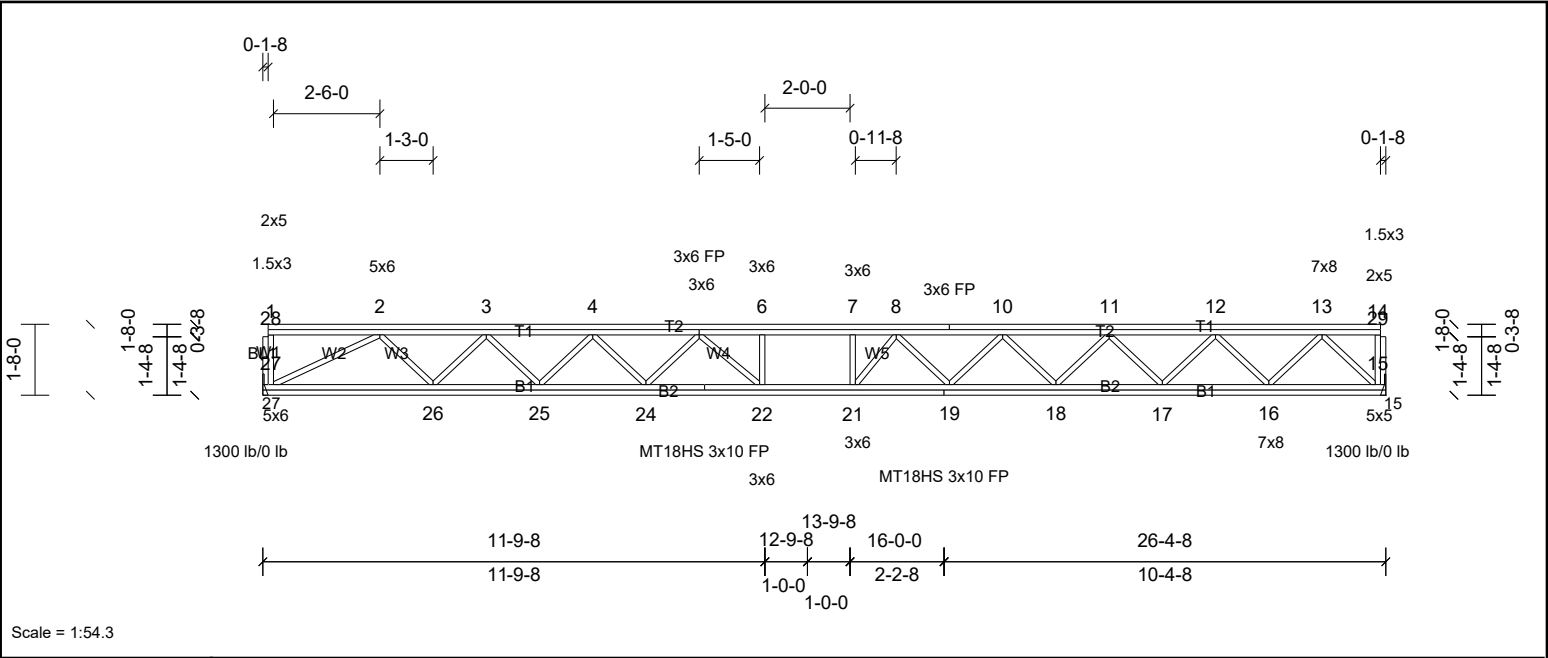


Plate Offsets (X, Y):	[2:0-3-0,Edge], [3:0-2-0,Edge], [4:0-2-0,Edge], [7:0-3-0,Edge], [8:0-2-0,Edge], [10:0-2-0,Edge], [11:0-2-0,Edge], [12:0-1-12,Edge], [14:Edge,0-1-8], [15:0-2-0,Edge], [17:0-1-12,Edge], [18:0-2-0,Edge], [19:0-2-0,Edge], [24:0-2-0,Edge], [25:0-2-0,Edge], [26:0-1-8,Edge], [27:0-3-0,Edge]
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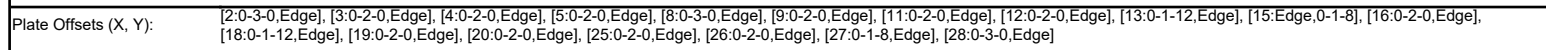
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.23	Vert(LL)	-0.25	21	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.47	21	>662	480	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.06	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 214 lb	FT = 20%F, 11%E

LUMBER		BRACING	
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.1(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)	15=1300/ Mechanical, (min. 0-1-8), 27=1300/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-2947/0, 3-4=-4344/0, 4-5=-5288/0, 5-6=-5898/0, 6-7=-5898/0, 7-8=-5898/0, 8-9=-5608/0, 9-10=-5608/0, 10-11=-4873/0, 11-12=-3701/0, 12-13=-2087/0	
BOT CHORD	26-27=0/2196, 25-26=0/3747, 24-25=0/4923, 23-24=0/5646, 22-23=0/5646, 21-22=0/5898, 20-21=0/5844, 19-20=0/5844, 18-19=0/5346, 17-18=0/4388, 16-17=0/3000, 15-16=0/1213	
WEBS	6-22=-317/0, 7-21=-278/86, 13-15=-1699/0, 13-16=0/1324, 12-16=-1380/0, 12-17=0/1059, 11-17=-1038/0, 11-18=0/733, 10-18=-715/0, 10-19=0/427, 8-19=-452/0, 8-21=-235/455, 2-27=-2457/0, 2-26=0/1137, 3-26=-1209/0, 3-25=0/902, 4-25=-876/0, 4-24=0/552, 5-24=-560/0, 5-22=-25/638	

NOTES	
1)	Unbalanced floor live loads have been considered for this design.
2)	All plates are MT20 plates unless otherwise indicated.
3)	All plates are 5x4 MT20 unless otherwise indicated.
4)	Refer to girder(s) for truss to truss connections.
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.
LOAD CASE(S)	Standard

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Tony Demers Run: 8.73 S Jul 24 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Nov 13 14:14:06 Page: ID:0EKYI3 fBuG5ii12N bQv5vcQ3m-KsMyTfcEV6iDlYD90BoVdEhLcAepLwr2Nz3Jau



LUMBER		BRACING	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.
BOT CHORD	2x4 SP SS(flat)		
WEBS	2x4 SP No.3(flat)	BOT CHORD	
OTHERS	2x4 SP No.3(flat)		
REACTIONS			
	(lb/size)	16=1325/0-6-0, (min. 0-1-8), 28=1325/ Mechanical, (min. 0-1-8)	
FORCES			
	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-3=-3013/0, 3-4=-4455/0, 4-5=-5439/0, 5-6=-6120/0, 6-7=-6120/0, 7-8=-6120/0, 8-9=-6120/0, 9-10=-5789/0, 10-11=-5789/0, 11-12=-5004/0, 12-13=-3790/0, 13-14=-2132/0		
BOT CHORD	27-28=0/2242, 26-27=0/3835, 25-26=0/5055, 24-25=0/5825, 23-24=0/5825, 22-23=0/6120, 21-22=0/6045, 20-21=0/6045, 19-20=0/5501, 18-19=0/4498, 17-18=0/3067, 16-17=0/1237		
WEBS	7-23=-332/0, 14-16=-1733/0, 14-17=0/1356, 13-17=-1413/0, 13-18=0/1093, 12-18=-1071/0, 12-19=0/764, 11-19=-751/0, 11-20=0/438, 9-20=-451/0, 9-22=-223/465, 2-28=-2509/0, 2-27=0/1168, 3-27=-1244/0, 3-26=0/936, 4-26=-907/0, 4-25=0/581, 5-25=-601/0, 5-23=0/696		

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|--------------|----------|
| LOAD CASE(S) | Standard |
|--------------|----------|

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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F6	Truss	1	1	

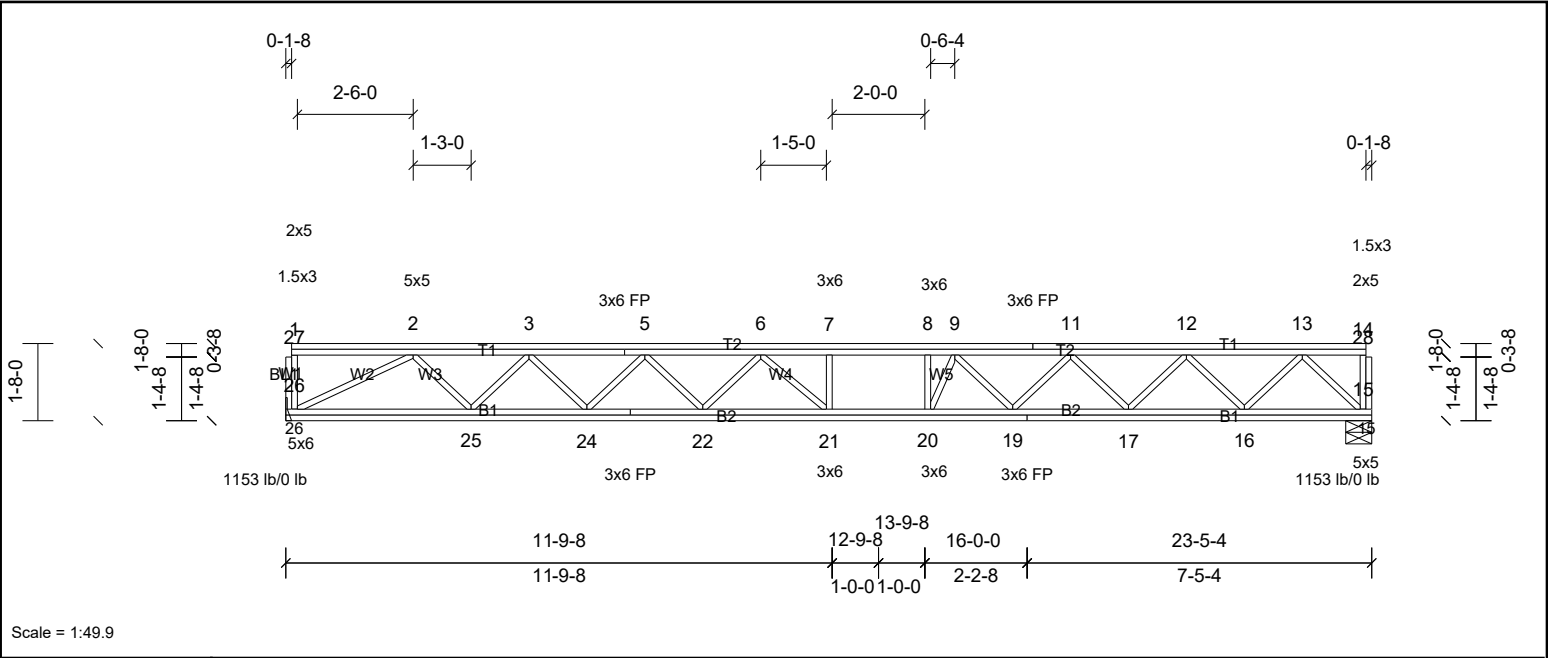


Plate Offsets (X, Y):	[2:0-2-8,Edge], [3:0-2-0,Edge], [5:0-2-0,Edge], [6:0-2-0,Edge], [8:0-3-0,Edge], [9:0-2-0,Edge], [11:0-2-0,Edge], [12:0-2-0,Edge], [13:0-1-8,Edge], [14:Edge,0-1-8], [15:0-2-0,Edge], [16:0-1-8,Edge], [17:0-2-0,Edge], [19:0-2-0,Edge], [22:0-2-0,Edge], [24:0-2-0,Edge], [25:0-2-0,Edge], [26:0-3-0,Edge]
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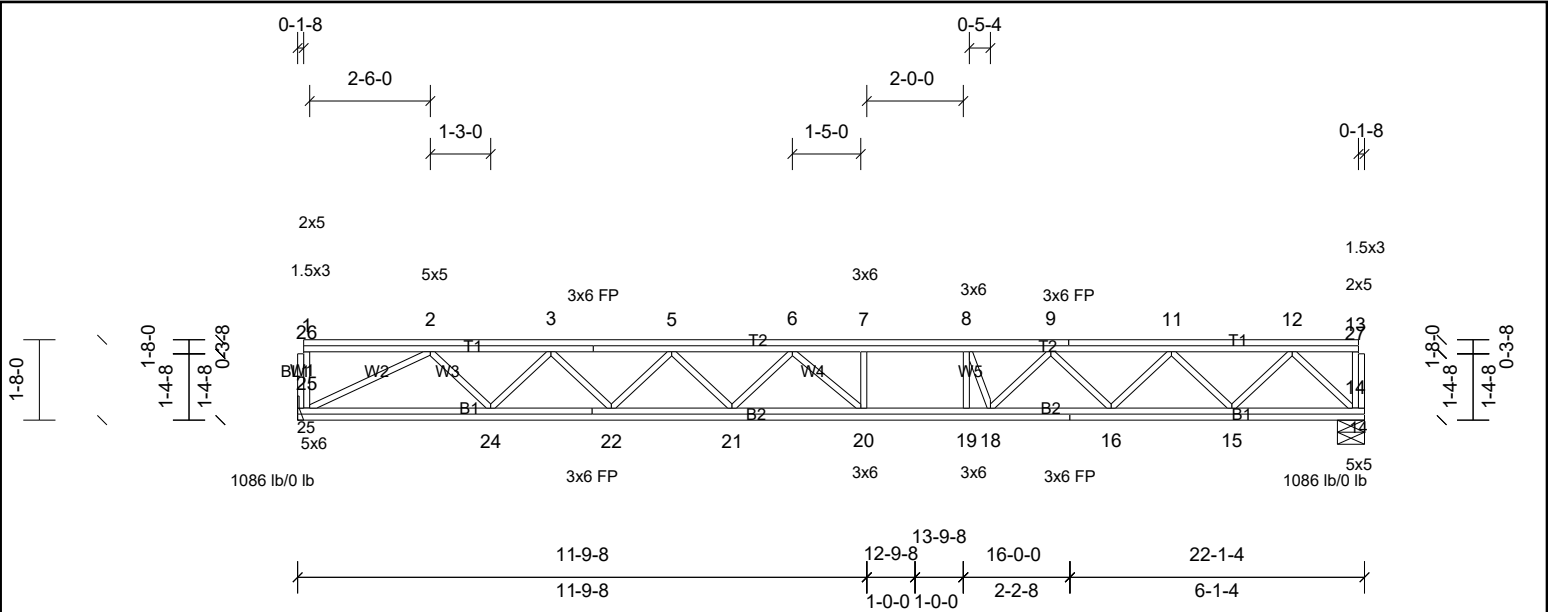
Loading	(psf)	Spacing	1-4-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	-0.19	21-22	>999	480	MT20 244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.35	21-22	>786	480	
BCLL	0.0	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.05	15	n/a	n/a	
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 191 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) 15=1153/0-6-12, (min. 0-1-8), 26=1153/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2557/0, 3-4=-3689/0, 4-5=-3689/0, 5-6=-4395/0, 6-7=-4606/0, 7-8=-4606/0, 8-9=-4606/0, 9-10=-4083/0, 10-11=-4083/0, 11-12=-3182/0, 12-13=-1823/0
BOT CHORD	25-26=0/1927, 24-25=0/3225, 23-24=0/4145, 22-23=0/4145, 21-22=0/4606, 20-21=0/4606, 19-20=0/4450, 18-19=0/3738, 17-18=0/3738, 16-17=0/2607, 15-16=0/1071
WEBS	8-20=-486/0, 13-15=-1501/0, 13-16=0/1138, 12-16=-1186/0, 12-17=0/869, 11-17=-840/0, 11-19=0/526, 9-19=-605/0, 9-20=0/702, 2-26=-2157/0, 2-25=0/954, 3-25=-1010/0, 3-24=0/701, 5-24=-690/0, 5-22=0/377, 6-22=-363/0, 6-21=-241/327

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 5x4 MT20 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

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F7	Truss	1	1	



Scale = 1:47.9												
Plate Offsets (X, Y):		[2:0-2-8,Edge], [3:0-2-0,Edge], [5:0-2-0,Edge], [6:0-2-0,Edge], [9:0-2-0,Edge], [11:0-2-0,Edge], [12:0-1-12,Edge], [13:Edge,0-1-8], [14:0-2-0,Edge], [15:0-1-12,Edge], [16:0-2-0,Edge], [18:0-2-0,Edge], [19:0-3-0,Edge], [21:0-2-0,Edge], [22:0-2-0,Edge], [24:0-2-0,Edge], [25:0-3-0,Edge]										
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.32	Vert(LL)	-0.16	20-21	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.30	20-21	>875	480		
BCLL	0.0	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.04	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 180 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)	14=1086/0-6-12, (min. 0-1-8), 25=1086/ Mechanical, (min. 0-1-8)			
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.				
TOP CHORD		2-3=-2380/0, 3-4=-3392/0, 4-5=-3392/0, 5-6=-3990/0, 6-7=-4021/0, 7-8=-4021/0, 8-9=-3803/0, 9-10=-2934/0, 10-11=-2934/0, 11-12=-1705/0			
BOT CHORD		24-25=0/1805, 23-24=0/2988, 22-23=0/2988, 21-22=0/3793, 20-21=0/4133, 19-20=0/4021, 18-19=0/4021, 17-18=0/3423, 16-17=0/3423, 15-16=0/2434, 14-15=0/1005			
WEBS		8-19=0/431, 12-14=-1408/0, 12-15=0/1060, 11-15=-1102/0, 11-16=0/756, 9-16=-739/0, 9-18=0/671, 8-18=-836/0, 2-25=-2020/0, 2-24=0/871, 3-24=-919/0, 3-22=0/611, 5-22=-606/0, 5-21=0/304, 6-21=-277/0, 6-20=-343/192			
NOTES					
1) Unbalanced floor live loads have been considered for this design.					
2) All plates are 5x4 MT20 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					

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Tony Demers Run: 8.73 S Jul 24 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Nov 13 14:14:07 Page: 1
ID:0EKYj3 fBuG5ji12N bQy5ycO3m-o3wLg?csGPqzqtIknsXQLi8si5b6P7IV9VowVVyJa



Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.45	Vert(LL)	-0.14	19-20	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.25	19-20	>964	480		
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.04	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 170 lb	FT = 20%F, 11%E

REACTIONS	(lb/size)	14=1020/0-6-12, (min. 0-1-8), 24=1020/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-2202/0, 3-4=-3095/0, 4-5=-3095/0, 5-6=-3584/0, 6-7=-3435/0, 7-8=-3435/0, 8-9=-3435/0, 9-10=-2692/0, 10-11=-2692/0, 11-12=-1587/0	
BOT CHORD	23-24=0/1682, 22-23=0/2751, 21-22=0/2751, 20-21=0/3439, 19-20=0/3662, 18-19=0/3435, 17-18=0/3211, 16-17=0/3211, 15-16=0/2244, 14-15=0/945	
WEBS	8-18=-719/0, 12-14=-1324/0, 12-15=0/972, 11-15=-993/0, 11-16=0/678, 9-16=-784/0, 9-18=0/1000, 2-24=-1882/0, 2-23=0/788, 3-23=-830/0, 3-21=0/520, 5-21=-521/0, 6-19=-454/60	

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are 5x4 MT20 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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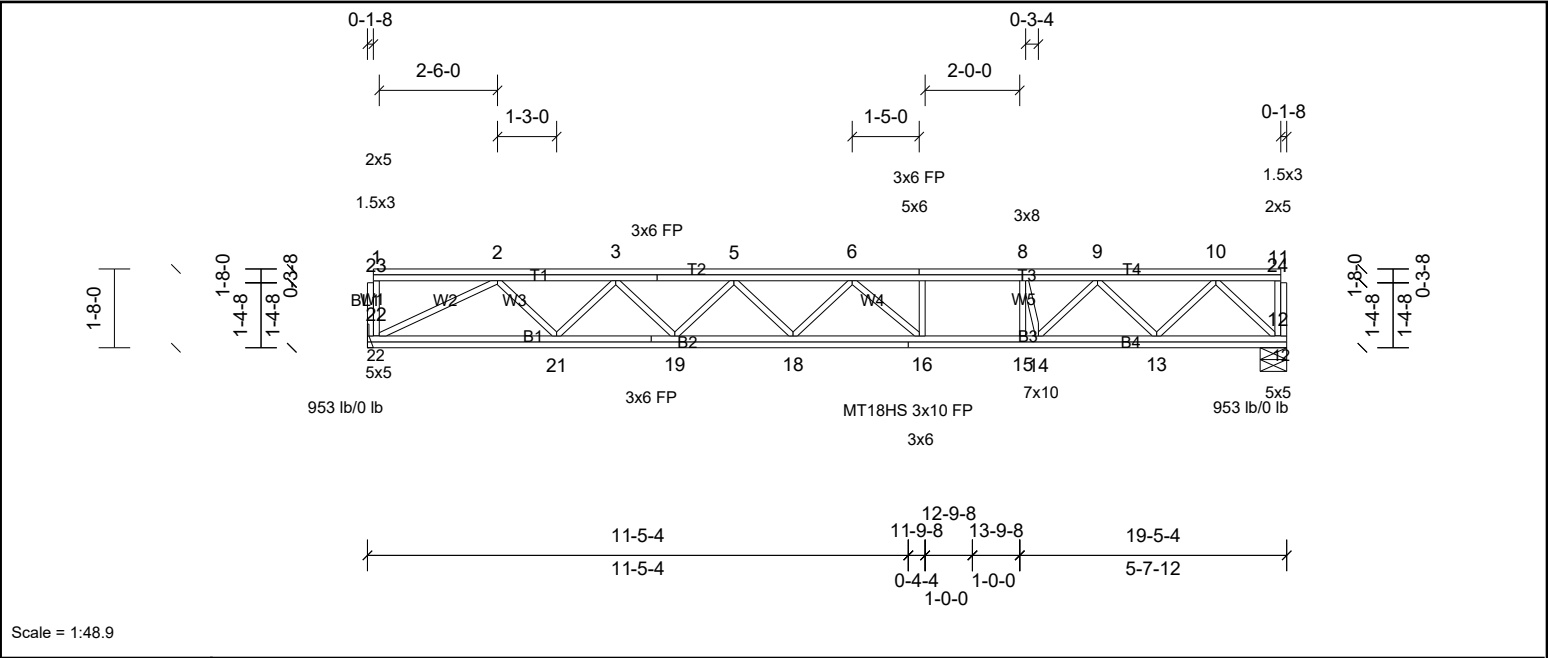
Job	Truss	Truss Type	Qty	Ply	
24091249	F9	Truss	1	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Tony Demers

Run: 8.73 S Jul 24 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Nov 13 14:14:08

Page: 1

ID:0EKYj3_fBuG5ji12N_bQy5ycO3m-o3wLg?csGPqzqtIknsXQLi8t?5boP8JV9VowVVyJau



Scale = 1:48.9

Plate Offsets (X, Y): [2:0-2-0,Edge], [3:0-2-0,Edge], [5:0-2-0,Edge], [6:0-2-0,Edge], [7:0-1-8,Edge], [9:0-2-0,Edge], [10:0-2-0,Edge], [11:Edge,0-1-8], [12:0-2-0,Edge], [13:0-2-0,Edge], [15:0-4-12,Edge], [18:0-2-0,Edge], [19:0-2-0,Edge], [21:0-2-0,Edge], [22:0-2-0,Edge]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.43	Vert(LL)	-0.12	16-18	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.22	16-18	>999	480	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.03	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 159 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)	12=953/0-6-12, (min. 0-1-8), 22=953/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-2025/0, 3-4=-2797/0, 4-5=-2797/0, 5-6=-3180/0, 6-7=-2843/0, 7-8=-2849/0, 8-9=-2604/0, 9-10=-1448/0	
BOT CHORD	21-22=0/1560, 20-21=0/2514, 19-20=0/2514, 18-19=0/3088, 17-18=0/3185, 16-17=0/3185, 15-16=0/2849, 14-15=0/2849, 13-14=0/2051, 12-13=0/886	
WEBS	8-15=0/688, 10-12=-1241/0, 10-13=0/852, 9-13=-911/0, 9-14=0/876, 8-14=-1170/0, 2-22=-1745/0, 2-21=0/705, 3-21=-739/0, 3-19=0/429, 5-19=-439/0, 6-16=-571/0	

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 5x4 MT20 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F10	Truss	1	1	

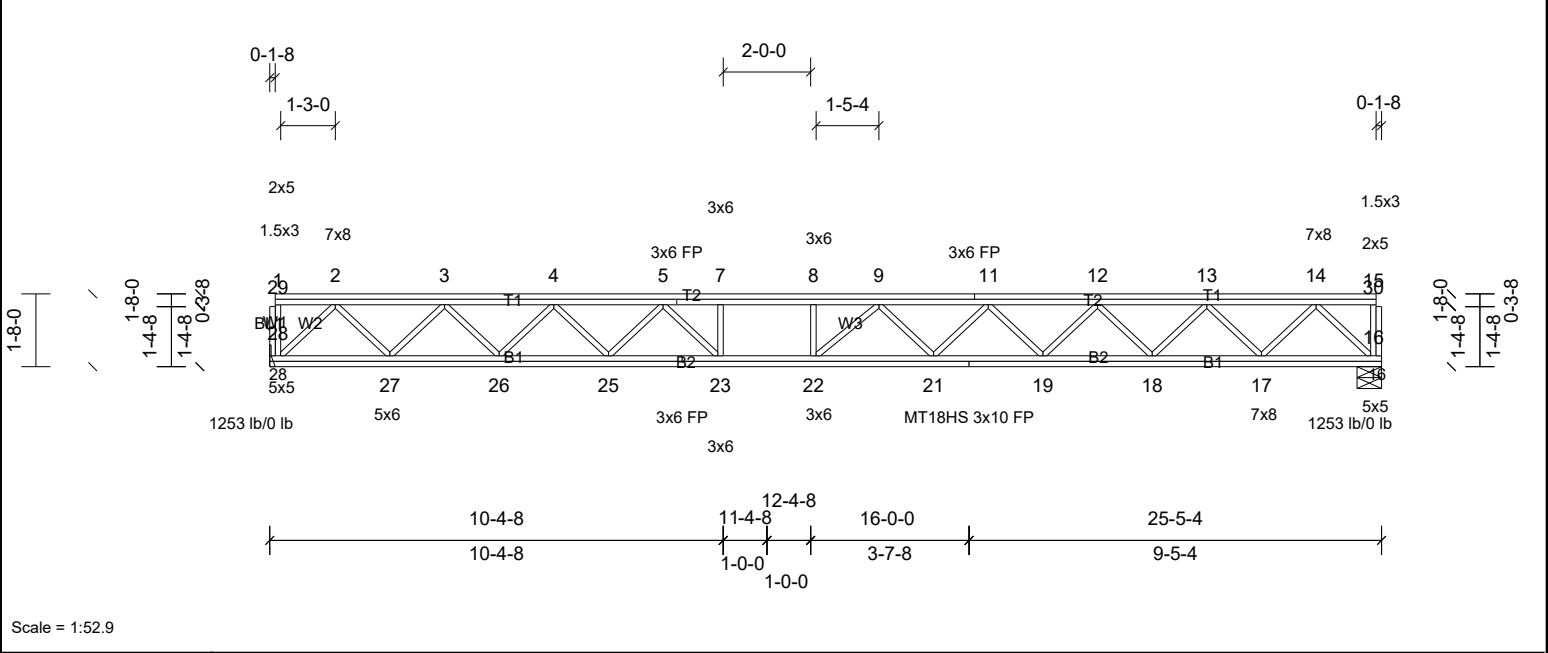


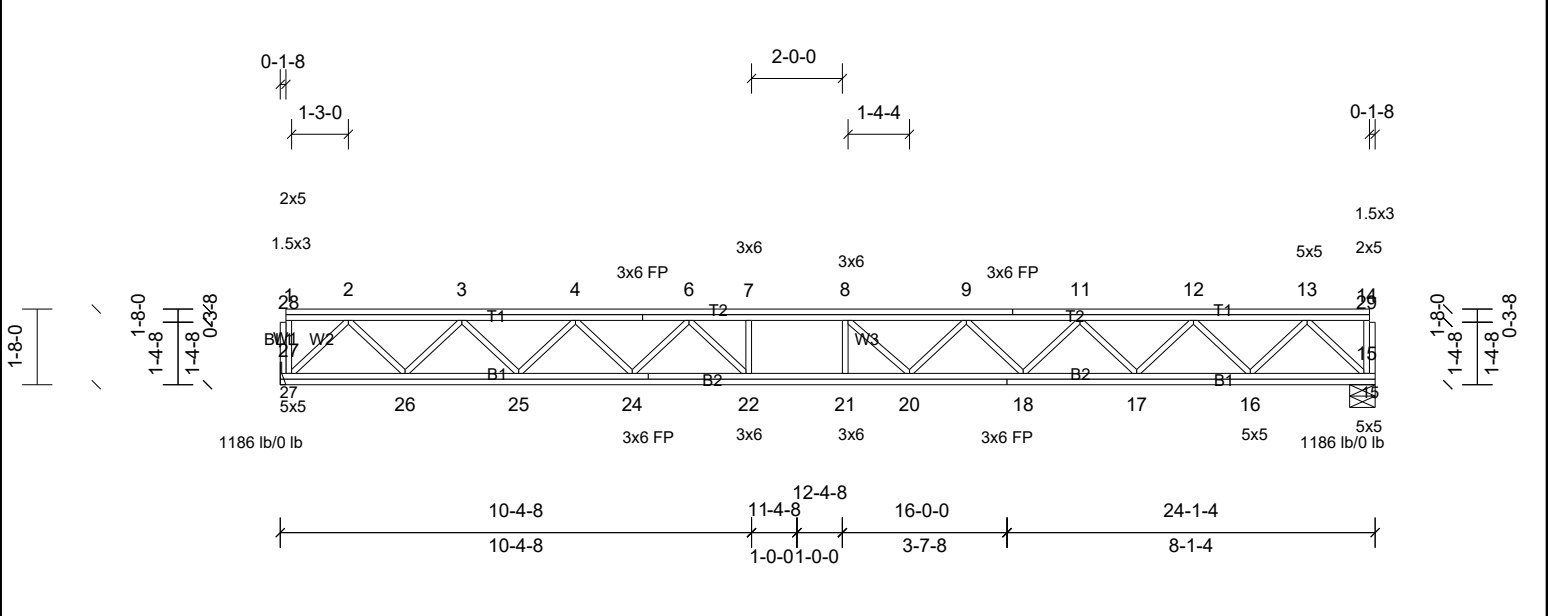
Plate Offsets (X, Y):		[3:0-2-0,Edge], [4:0-2-0,Edge], [5:0-2-0,Edge], [8:0-3-0,Edge], [9:0-2-0,Edge], [11:0-2-0,Edge], [12:0-2-0,Edge], [13:0-2-0,Edge], [15:Edge,0-1-8], [16:0-2-0,Edge], [18:0-2-0,Edge], [19:0-2-0,Edge], [21:0-2-0,Edge], [25:0-2-0,Edge], [26:0-2-0,Edge], [27:0-1-8,Edge], [28:0-2-0,Edge]										
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.38	Vert(LL)	-0.25	21-22	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.48	21-22	>630	480	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.06	16	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 207 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)	16=1253/0-6-12, (min. 0-1-8), 28=1253/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-2002/0, 3-4=-3539/0, 4-5=-4607/0, 5-6=-5423/0, 6-7=-5423/0, 7-8=-5423/0, 8-9=-5423/0, 9-10=-5288/0, 10-11=-5288/0, 11-12=-4621/0, 12-13=-3535/0, 13-14=-2003/0	
BOT CHORD	27-28=0/1168, 26-27=0/2874, 25-26=0/4182, 24-25=0/5049, 23-24=0/5049, 22-23=0/5423, 21-22=0/5473, 20-21=0/5057, 19-20=0/5057, 18-19=0/4180, 17-18=0/2875, 16-17=0/1168	
WEBS	7-23=-406/0, 2-28=-1636/0, 2-27=0/1263, 3-27=-1318/0, 3-26=0/1005, 4-26=-972/0, 4-25=0/641, 5-25=-669/0, 5-23=0/786, 14-16=-1636/0, 14-17=0/1265, 13-17=-1318/0, 13-18=0/998, 12-18=-975/0, 12-19=0/667, 11-19=-659/0, 11-21=0/365, 9-21=-354/0, 9-22=-333/317	

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 5x4 MT20 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.
- LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F11	Truss	1	1	



Scale = 1:50.9												
Plate Offsets (X, Y):		[2:0-1-8,Edge], [3:0-2-0,Edge], [4:0-2-0,Edge], [6:0-2-0,Edge], [9:0-2-0,Edge], [11:0-2-0,Edge], [12:0-2-0,Edge], [13:0-2-4,Edge], [14:Edge,0-1-8], [15:0-2-0,Edge], [16:0-2-4,Edge], [17:0-2-0,Edge], [18:0-2-0,Edge], [20:0-2-0,Edge], [21:0-3-0,Edge], [24:0-2-0,Edge], [25:0-2-0,Edge], [26:0-1-8,Edge], [27:0-2-0,Edge]										
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.20	21	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.38	21	>753	480		
BCLL	0.0	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.05	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 196 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)	15=1186/0-6-12, (min. 0-1-8), 27=1186/ Mechanical, (min. 0-1-8)				
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.					
TOP CHORD	2-3=-1882/0, 3-4=-3301/0, 4-5=-4258/0, 5-6=-4258/0, 6-7=-4904/0, 7-8=-4904/0, 8-9=-4799/0, 9-10=-4273/0, 10-11=-4273/0, 11-12=-3297/0, 12-13=-1883/0					
BOT CHORD	26-27=0/1104, 25-26=0/2696, 24-25=0/3887, 23-24=0/4636, 22-23=0/4636, 21-22=0/4904, 20-21=0/4904, 19-20=0/4654, 18-19=0/4654, 17-18=0/3882, 16-17=0/2697, 15-16=0/1103					
WEBS	7-22=-310/0, 2-27=-1546/0, 2-26=0/1180, 3-26=-1229/0, 3-25=0/914, 4-25=-886/0, 4-24=0/561, 6-24=-575/0, 6-22=0/641, 13-15=-1545/0, 13-16=0/1182, 12-16=-1230/0, 12-17=0/907, 11-17=-885/0, 11-18=0/590, 9-18=-576/0, 9-20=0/365, 8-20=-422/126					
NOTES						
1) Unbalanced floor live loads have been considered for this design.						
2) All plates are 5x4 MT20 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						

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F12	Truss	1	1	

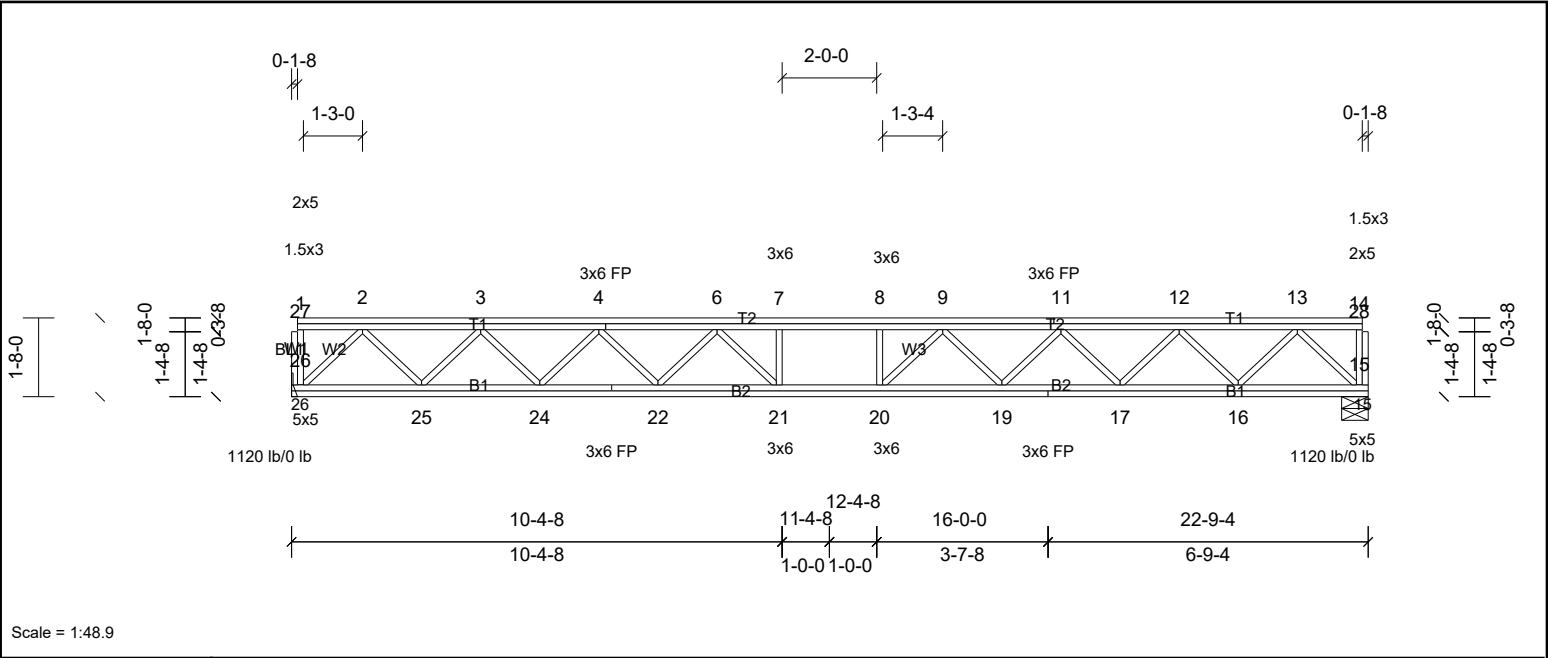


Plate Offsets (X, Y):	[2:0-1-12,Edge], [3:0-2-0,Edge], [4:0-2-0,Edge], [6:0-2-0,Edge], [8:0-3-0,Edge], [9:0-2-0,Edge], [11:0-2-0,Edge], [12:0-2-0,Edge], [13:0-1-12,Edge], [14:Edge,0-1-8], [15:0-2-0,Edge], [16:0-1-12,Edge], [17:0-2-0,Edge], [19:0-2-0,Edge], [22:0-2-0,Edge], [24:0-2-0,Edge], [25:0-1-12,Edge], [26:0-2-0,Edge]
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Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.20	Vert(LL)	-0.16	20-21	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.61	Vert(CT)	-0.29	20-21	>911	480		
BCLL	0.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.04	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 186 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)	15=1120/0-6-12, (min. 0-1-8), 26=1120/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1763/0, 3-4=-3062/0, 4-5=-3913/0, 5-6=-3913/0, 6-7=-4375/0, 7-8=-4375/0, 8-9=-4375/0, 9-10=-3914/0, 10-11=-3914/0, 11-12=-3062/0, 12-13=-1763/0	
BOT CHORD	25-26=0/1040, 24-25=0/2517, 23-24=0/3593, 22-23=0/3593, 21-22=0/4219, 20-21=0/4375, 19-20=0/4219, 18-19=0/3593, 17-18=0/3593, 16-17=0/2517, 15-16=0/1040	
WEBS	7-21=-270/0, 8-20=-268/0, 2-26=-1456/0, 2-25=0/1096, 3-25=-1140/0, 3-24=0/823, 4-24=-804/0, 4-22=0/484, 6-22=-473/0, 6-21=-63/495, 13-15=-1456/0, 13-16=0/1096, 12-16=-1140/0, 12-17=0/823, 11-17=-804/0, 11-19=0/484, 9-19=-471/0, 9-20=-63/493	

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are 5x4 MT20 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.
- LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F13	Truss	1	1	

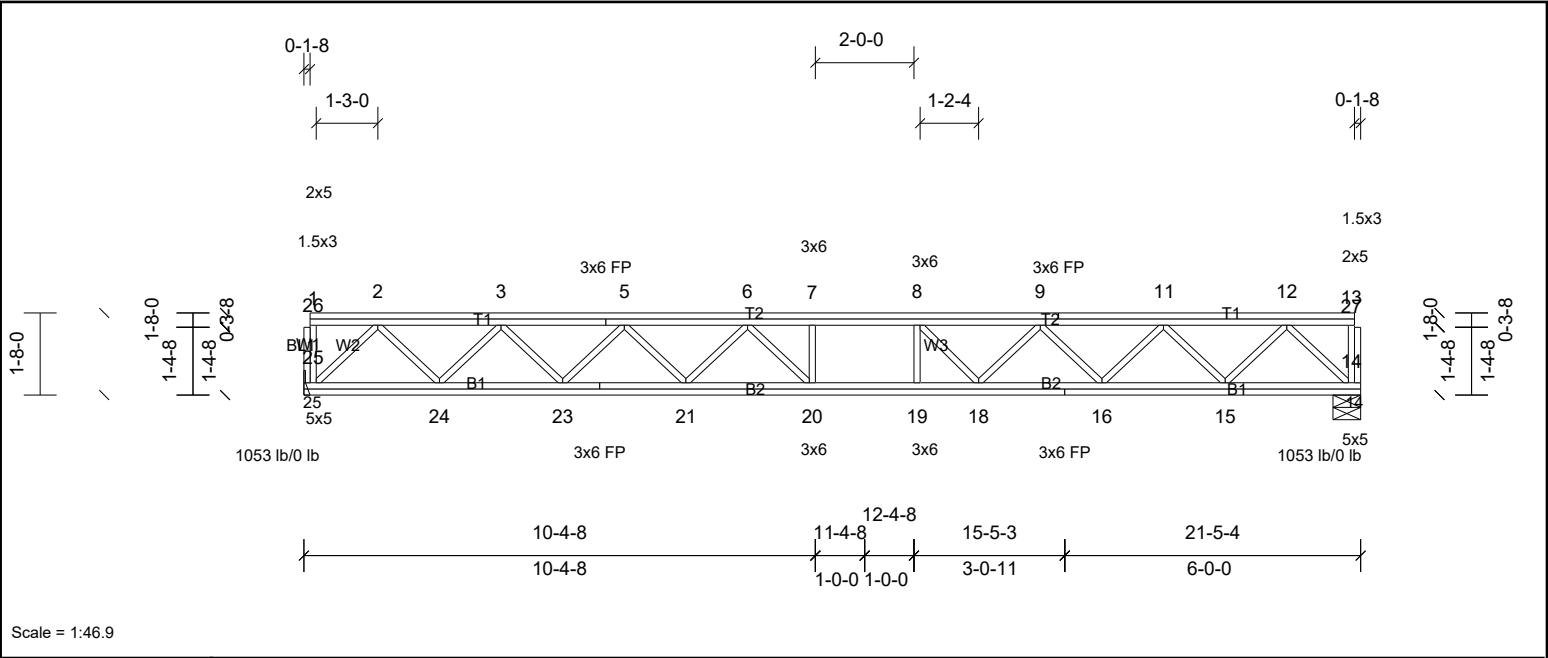


Plate Offsets (X, Y):	[2:0-2-0,Edge], [3:0-2-0,Edge], [5:0-2-0,Edge], [6:0-2-0,Edge], [9:0-2-0,Edge], [11:0-2-0,Edge], [12:0-2-0,Edge], [13:Edge,0-1-8], [14:0-2-0,Edge], [15:0-2-0,Edge], [16:0-2-0,Edge], [18:0-2-0,Edge], [19:0-3-0,Edge], [21:0-2-0,Edge], [23:0-2-0,Edge], [24:0-2-0,Edge], [25:0-2-0,Edge]
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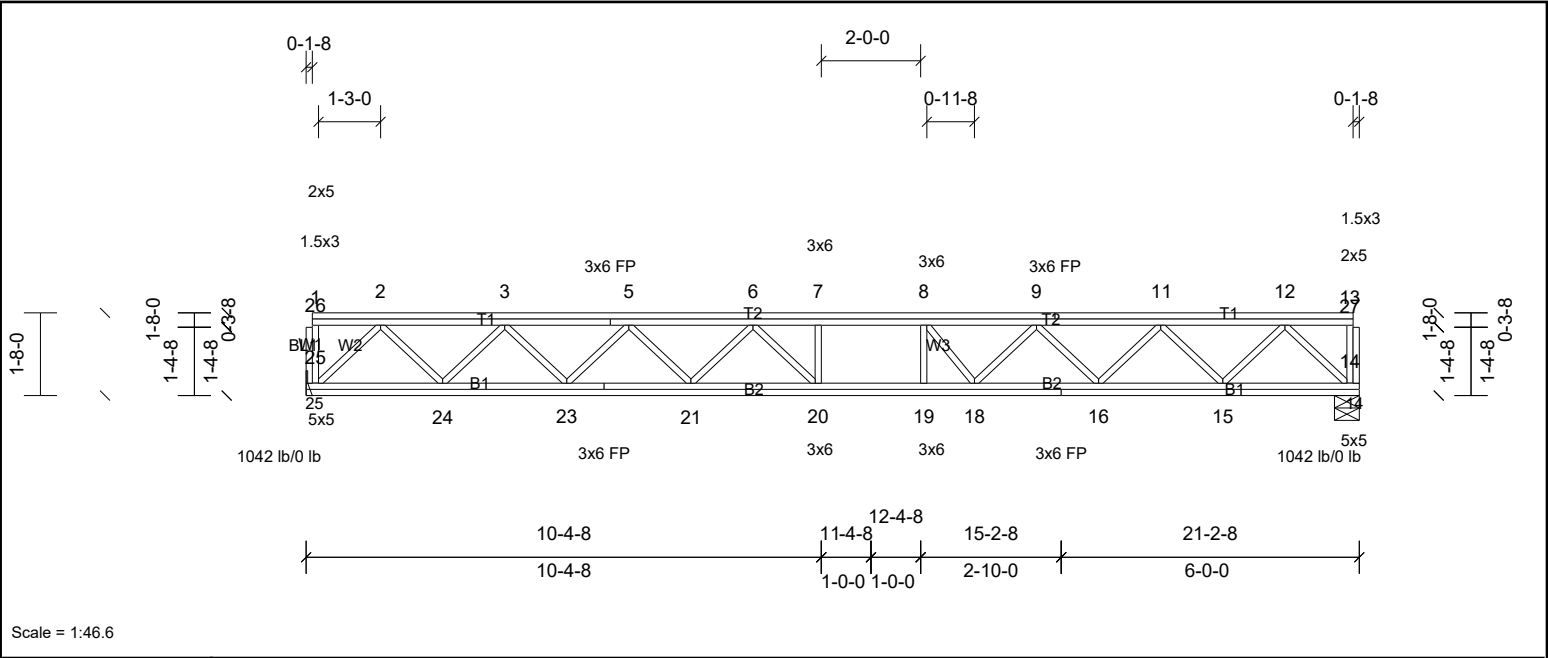
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.21	Vert(LL)	-0.13	20	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-0.24	20-21	>999	480		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.04	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 175 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)	14=1053/0-6-12, (min. 0-1-8), 25=1053/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1644/0, 3-4=-2823/0, 4-5=-2823/0, 5-6=-3566/0, 6-7=-3856/0, 7-8=-3856/0, 8-9=-3566/0, 9-10=-2823/0, 10-11=-2823/0, 11-12=-1644/0	
BOT CHORD	24-25=0/975, 23-24=0/2339, 22-23=0/3299, 21-22=0/3299, 20-21=0/3804, 19-20=0/3856, 18-19=0/3856, 17-18=0/3290, 16-17=0/3290, 15-16=0/2341, 14-15=0/975	
WEBS	2-25=-1366/0, 2-24=0/1012, 3-24=-1051/0, 3-23=0/733, 5-23=-718/0, 5-21=0/404, 6-21=-387/0, 6-20=-159/357, 12-14=-1365/0, 12-15=0/1014, 11-15=-1054/0, 11-16=0/729, 9-16=-705/0, 9-18=0/495, 8-18=-600/0	

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are 5x4 MT20 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.
- LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F14	Truss	1	1	



Scale = 1:46.6

Plate Offsets (X, Y):	[2:0-2-0,Edge], [3:0-2-0,Edge], [5:0-2-0,Edge], [6:0-2-0,Edge], [9:0-2-0,Edge], [11:0-2-0,Edge], [12:0-2-0,Edge], [13:Edge,0-1-8], [14:0-2-0,Edge], [15:0-2-0,Edge], [16:0-2-0,Edge], [18:0-2-0,Edge], [19:0-3-0,Edge], [21:0-2-0,Edge], [23:0-2-0,Edge], [24:0-2-0,Edge], [25:0-2-0,Edge]
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Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	-0.12	20	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-0.23	20-21	>999	480		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.04	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 174 lb	FT = 20%F, 11%E

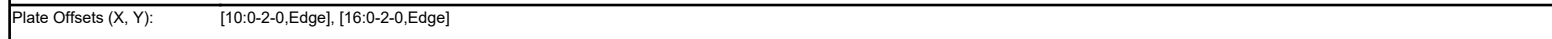
LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	14=1042/0-6-0, (min. 0-1-8), 25=1042/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1623/0, 3-4=-2782/0, 4-5=-2782/0, 5-6=-3507/0, 6-7=-3767/0, 7-8=-3767/0, 8-9=-3514/0, 9-10=-2781/0, 10-11=-2781/0, 11-12=-1623/0	
BOT CHORD	24-25=0/964, 23-24=0/2308, 22-23=0/3248, 21-22=0/3248, 20-21=0/3733, 19-20=0/3767, 18-19=0/3767, 17-18=0/3235, 16-17=0/3235, 15-16=0/2312, 14-15=0/963	
WEBS	2-25=-1351/0, 2-24=0/998, 3-24=-1035/0, 3-23=0/717, 5-23=-704/0, 5-21=0/391, 6-21=-370/0, 6-20=-174/330, 12-14=-1349/0, 12-15=0/1000, 11-15=-1040/0, 11-16=0/710, 9-16=-685/0, 9-18=0/507, 8-18=-595/0	

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are 5x4 MT20 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.

LOAD CASE(S)	Standard
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Tony Demers Run: 8.73 S Jul 24 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Nov 13 14:14:09 Page: 1
ID:CSD3v4qz95wbuBTwFMYTrcyd1gE-kR255he6o14h4AS7uHZuQ7E8auGAt5yocpH1ZOYJaty



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) 10=717/0-6-0, (min. 0-1-8), 16=717/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-988/0, 3-4=-1539/0, 4-5=-1638/0, 5-6=-1638/0, 6-7=-1638/0, 7-8=-977/0
BOT CHORD	15-16=0/603, 14-15=0/1363, 13-14=0/1678, 12-13=0/1638, 11-12=0/1352, 10-11=0/606
WEBS	6-12=-302/0, 2-16=-903/0, 2-15=0/612, 3-15=-595/0, 3-14=0/280, 8-10=-909/0, 8-11=0/589, 7-11=-594/0, 7-12=0/532

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x3 MT20 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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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	Job Reference (optional)
24091249	F16	Truss	2	1	

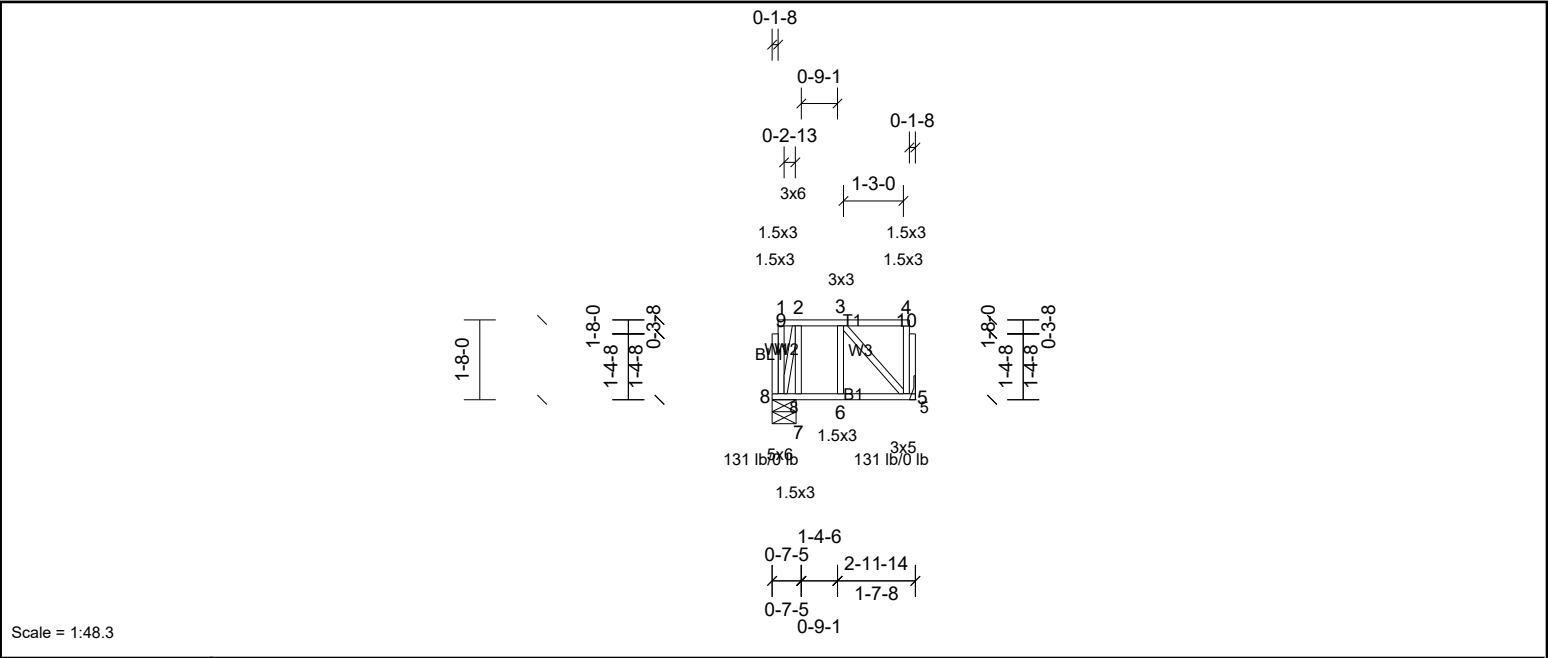


Plate Offsets (X, Y): [5:0-2-0,Edge], [8:0-1-8,Edge]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.12	Vert(LL)	0.00	6	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	-0.01	5-6	>999	480		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 26 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 2-11-14 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) 5=131/ Mechanical, (min. 0-1-8), 8=131/0-6-0, (min. 0-1-8)

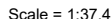
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

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

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Tony Demers Run: 8.73 S Jul 24 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Nov 13 14:14:10 Page: 1
ID:FhrW2Kue4QGEIUQWvJSYdPycO3u-CdcT11fkZKCYhK1JS 47zLmSjloSccQxrT0a5qyJatx



LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 2-6-2 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=107/ Mechanical, (min. 0-1-8), 5=107/0-6-12, (min. 0-1-8)	
FORCES			
	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
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		

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	Job Reference (optional)
24091249	F18	Truss	5	1	

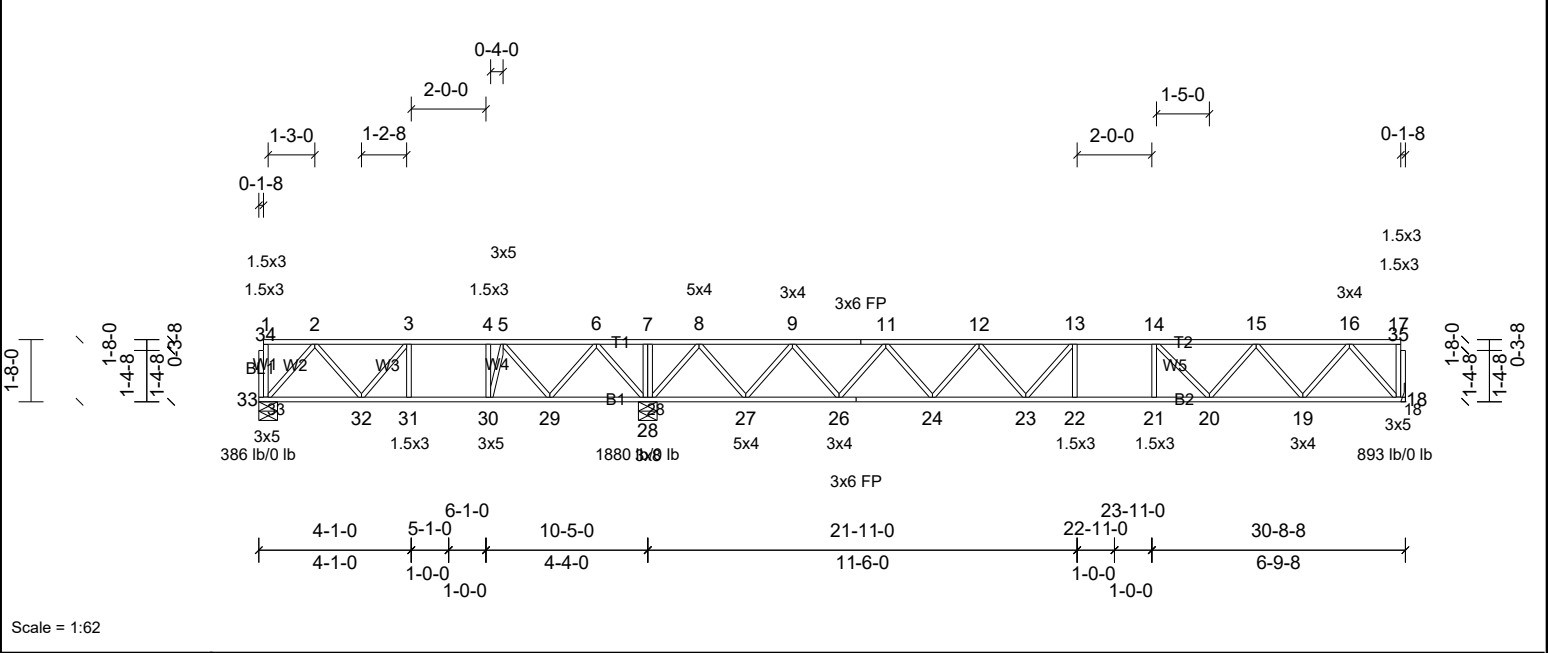


Plate Offsets (X, Y): [18:0-2-0,Edge], [33:0-2-0,Edge]

Loading	(psf)	Spacing	1-4-0	CSI	DEFL	in	(loc)	L/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.86	Vert(LL)	-0.17	22-23	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.31	22-23	>793	480		
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.04	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 170 lb	FT = 20%F, 11%E

LUMBER		BRACING	
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.1(flat)	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	18=882/ Mechanical, (min. 0-1-8), 28=1880/0-6-0, (min. 0-1-8), 33=272/0-6-0, (min. 0-1-8) Max Grav 18=893 (LC 7), 28=1880 (LC 1), 33=386 (LC 3)
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FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-420/92, 3-4=-454/315, 4-5=-454/315, 5-6=-15/831, 6-7=0/1661, 7-8=0/1661, 9-10=-1417/0, 10-11=-1417/0, 11-12=-2195/0, 12-13=-2558/0, 13-14=-2550/0, 14-15=-2113/0, 15-16=-1289/0
BOT CHORD	32-33=0/325, 31-32=-315/454, 30-31=-315/454, 29-30=-494/349, 28-29=-1104/0, 27-28=-704/0, 26-27=0/923, 25-26=0/1895, 24-25=0/1895, 23-24=0/2490, 22-23=0/2550, 21-22=0/2550, 20-21=0/2550, 19-20=0/1792, 18-19=0/763
WEBS	4-30=-654/0, 2-33=-486/0, 3-32=-53/350, 6-28=-913/0, 6-29=0/621, 5-29=-730/0, 5-30=0/911, 8-28=-1437/0, 8-27=0/1136, 9-27=-1124/0, 9-26=0/810, 11-26=-784/0, 11-24=0/501, 12-24=-490/0, 16-18=-1145/0, 16-19=0/835, 15-19=-798/0, 15-20=0/510, 14-20=-661/0

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are 3x3 MT20 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.
 - CAUTION, Do not erect truss backwards.
- LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F19	Truss	1	1	

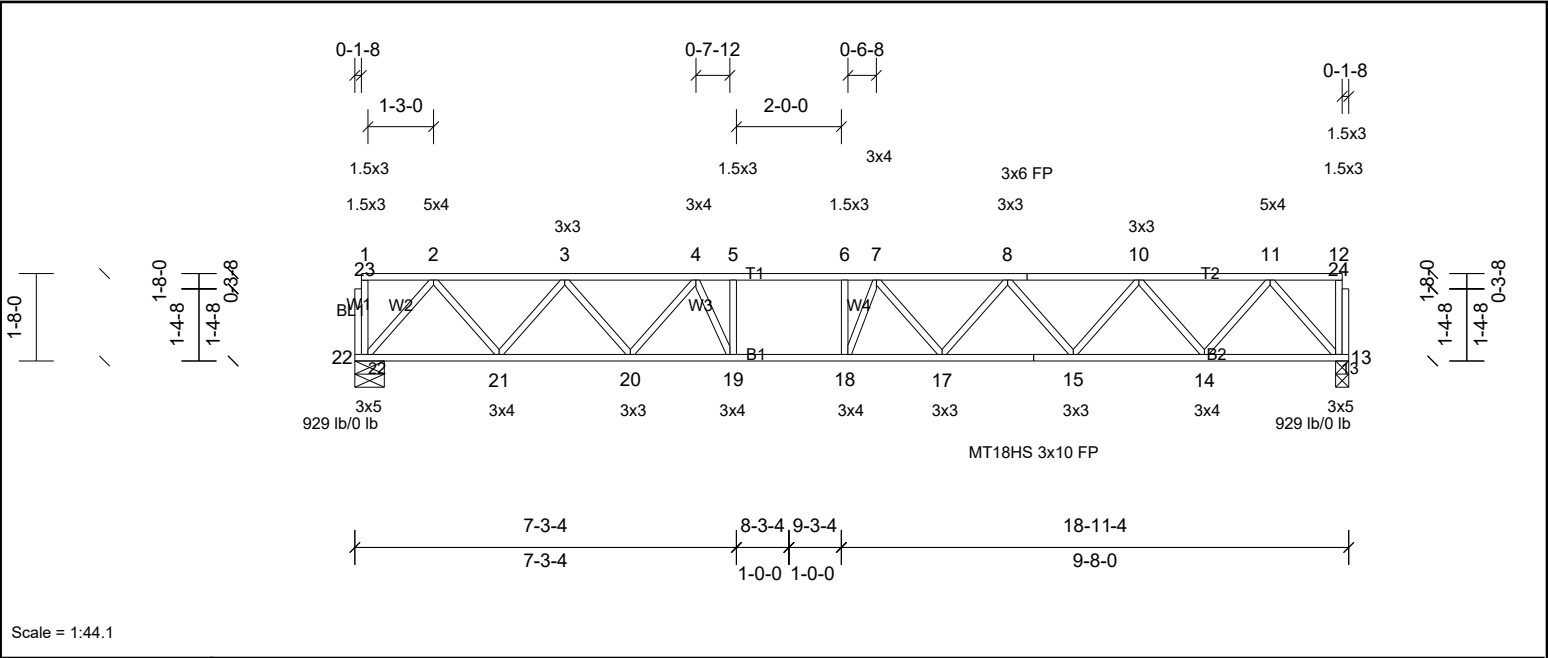


Plate Offsets (X, Y): [13:0-2-0,Edge], [22:0-2-0,Edge]

Loading	(psf)	Spacing	1-4-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.97	Vert(LL)	-0.16	17-18	>999	480	MT18HS 244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.29	17-18	>768	480	MT20 244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.05	13	n/a	n/a	
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 106 lb FT = 20%F, 11%E

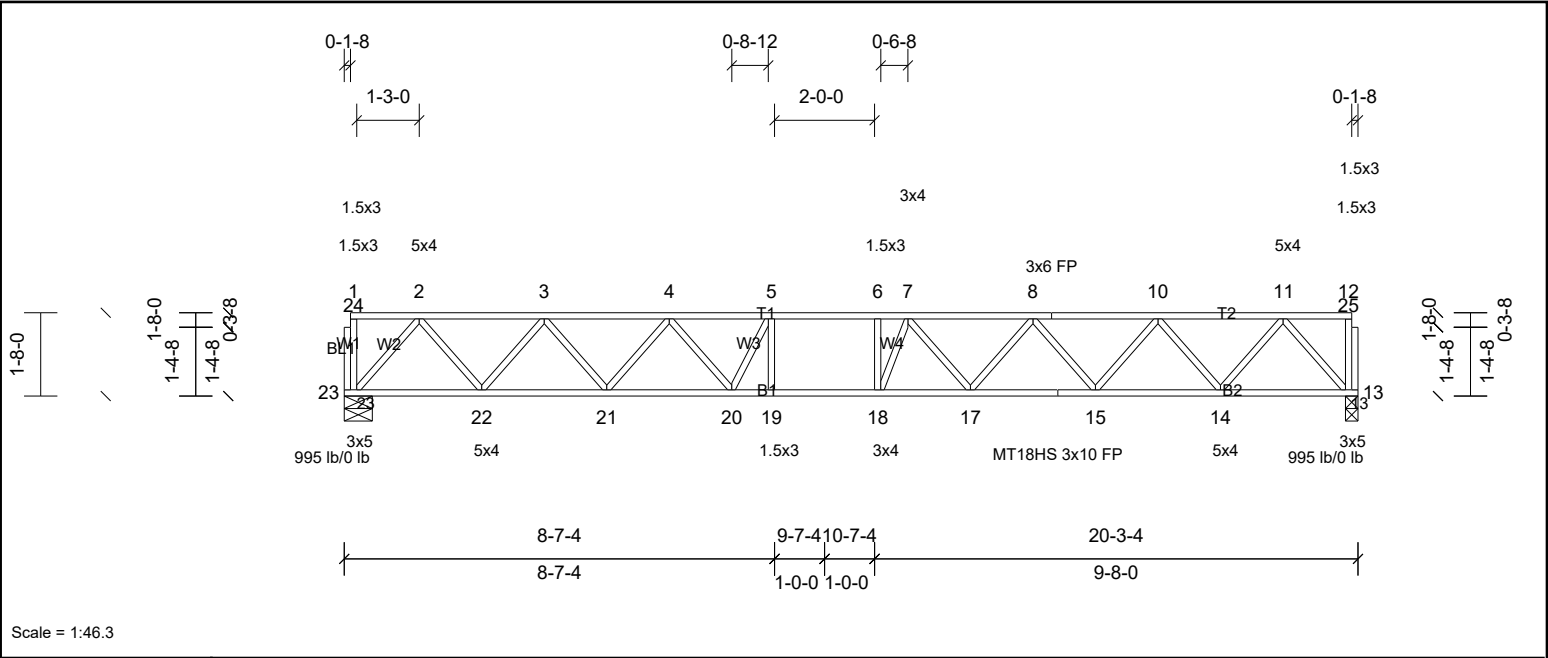
LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	2x4 SP No.1(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	13=929/0-3-0, (min. 0-1-8), 22=929/0-6-12, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1352/0, 3-4=-2222/0, 4-5=-2760/0, 5-6=-2760/0, 6-7=-2760/0, 7-8=-2722/0, 8-9=-2234/0, 9-10=-2234/0, 10-11=-1349/0	
BOT CHORD	21-22=0/792, 20-21=0/1890, 19-20=0/2575, 18-19=0/2760, 17-18=0/2824, 16-17=0/2573, 15-16=0/2573, 14-15=0/1888, 13-14=0/792	
WEBS	5-19=-426/0, 2-22=-1187/0, 2-21=0/889, 3-21=-855/0, 3-20=0/528, 4-20=-560/0, 4-19=0/630, 11-13=-1188/0, 11-14=0/883, 10-14=-857/0, 10-15=0/549, 8-15=-538/0, 8-17=0/264, 7-18=-363/178	

- 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F20	Truss	1	1	



Scale = 1:46.3

Plate Offsets (X, Y): [13:0-2-0,Edge], [23:0-2-0,Edge]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.66	Vert(LL)	-0.17	17-18	>999	480	MT18HS	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.32	17-18	>760	480	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.06	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 113 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.1(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)		

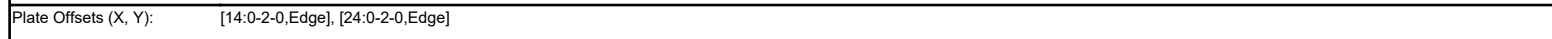
REACTIONS	(lb/size)	13=995/0-3-0, (min. 0-1-8), 23=995/0-6-12, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1462/0, 3-4=-2454/0, 4-5=-3058/0, 5-6=-3216/0, 6-7=-3216/0, 7-8=-3045/0, 8-9=-2457/0, 9-10=-2457/0, 10-11=-1462/0	
BOT CHORD	22-23=0/850, 21-22=0/2059, 20-21=0/2835, 19-20=0/3216, 18-19=0/3216, 17-18=0/3217, 16-17=0/2847, 15-16=0/2056, 13-14=0/852	
WEBS	2-23=-1276/0, 2-22=0/971, 3-22=-948/0, 3-21=0/627, 4-21=-604/0, 4-20=0/446, 5-20=-527/0, 11-13=-1277/0, 11-14=0/969, 10-14=-943/0, 10-15=0/636, 8-15=-620/0, 8-17=0/332, 7-17=-349/0, 7-18=-240/325	

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 3x3 MT20 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.

LOAD CASE(S) Standard



UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Tony Demers Run: 8.73 S Jul 24 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Nov 13 14:14:11 Page: 1
ID:fGXfgMwWMLepcx85aR0FF2ycO3r-hqArWNgMKeKPJUcV0ibMVYJT8ixyLy9547m7dGyJatw



LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 5-7-6 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.1(flat)		
WEBS	2x4 SP No.3(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	14=1062/0-3-0, (min. 0-1-8), 24=1062/0-6-12, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD		2-3=-1575/0, 3-4=-2679/0, 4-5=-3371/0, 5-6=-3670/0, 6-7=-3670/0, 8-9=-3369/0, 9-10=-2679/0, 10-11=-2679/0, 11-12=-1575/0
BOT CHORD		23-24=0/911, 22-23=0/2223, 21-22=0/3122, 20-21=0/3604, 19-20=0/3670, 18-19=0/3609, 17-18=0/3121, 16-17=0/3121, 15-16=0/2223, 14-15=0/911
WEBS		6-20=-273/41, 7-19=-349/68, 2-24=-1366/0, 2-23=0/1054, 3-23=-1030/0, 3-22=0/723, 4-22=-704/0, 4-21=0/395, 5-21=-414/0, 5-20=-127/412, 12-14=-1366/0, 12-15=0/1054, 11-15=-1030/0, 11-16=0/724, 9-16=-702/0, 9-18=0/403, 8-18=-440/0, 8-19=-142/484

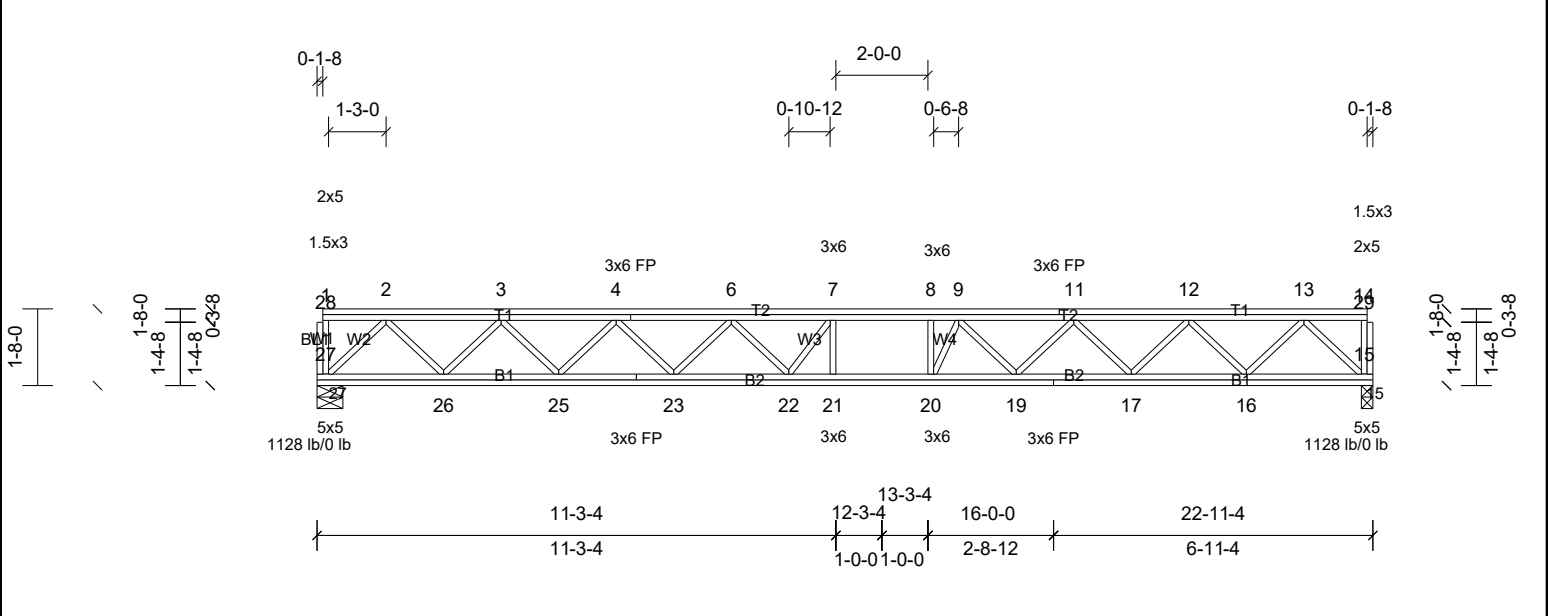
- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) Recommend 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
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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	Job Reference (optional)
24091249	F22	Truss	1	1	



Scale = 1:50.3												
Plate Offsets (X, Y):		[2:0-1-12,Edge], [3:0-2-0,Edge], [4:0-2-0,Edge], [6:0-2-0,Edge], [8:0-3-0,Edge], [9:0-2-0,Edge], [11:0-2-0,Edge], [12:0-2-0,Edge], [13:0-1-12,Edge], [14:Edge,0-1-8], [15:0-2-0,Edge], [16:0-1-12,Edge], [17:0-2-0,Edge], [19:0-2-0,Edge], [22:0-2-0,Edge], [23:0-2-0,Edge], [25:0-2-0,Edge], [26:0-1-12,Edge], [27:0-2-0,Edge]										
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.26	Vert(LL)	-0.17	21	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.31	21	>865	480		
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.05	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 188 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)	15=1128/0-3-0, (min. 0-1-8), 27=1128/0-6-12, (min. 0-1-8)				
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.					
TOP CHORD	2-3=-1778/0, 3-4=-3091/0, 4-5=-3961/0, 5-6=-3961/0, 6-7=-4391/0, 7-8=-4423/0, 8-9=-4423/0, 9-10=-3952/0, 10-11=-3952/0, 11-12=-3093/0, 12-13=-1778/0					
BOT CHORD	26-27=0/1047, 25-26=0/2541, 24-25=0/3627, 23-24=0/3627, 22-23=0/4285, 21-22=0/4423, 20-21=0/4423, 19-20=0/4292, 18-19=0/3628, 17-18=0/3628, 16-17=0/2540, 15-16=0/1047					
WEBS	8-20=-397/0, 2-27=-1467/0, 2-26=0/1108, 3-26=-1152/0, 3-25=0/831, 4-25=-810/0, 4-23=0/506, 6-23=-489/0, 6-22=-9/328, 7-22=-332/185, 13-15=-1467/0, 13-16=0/1107, 12-16=-1153/0, 12-17=0/835, 11-17=-808/0, 11-19=0/494, 9-19=-569/0, 9-20=-30/616					
NOTES						
1) Unbalanced floor live loads have been considered for this design.						
2) All plates are 5x4 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.						
LOAD CASE(S) Standard						

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F23	Truss	1	1	

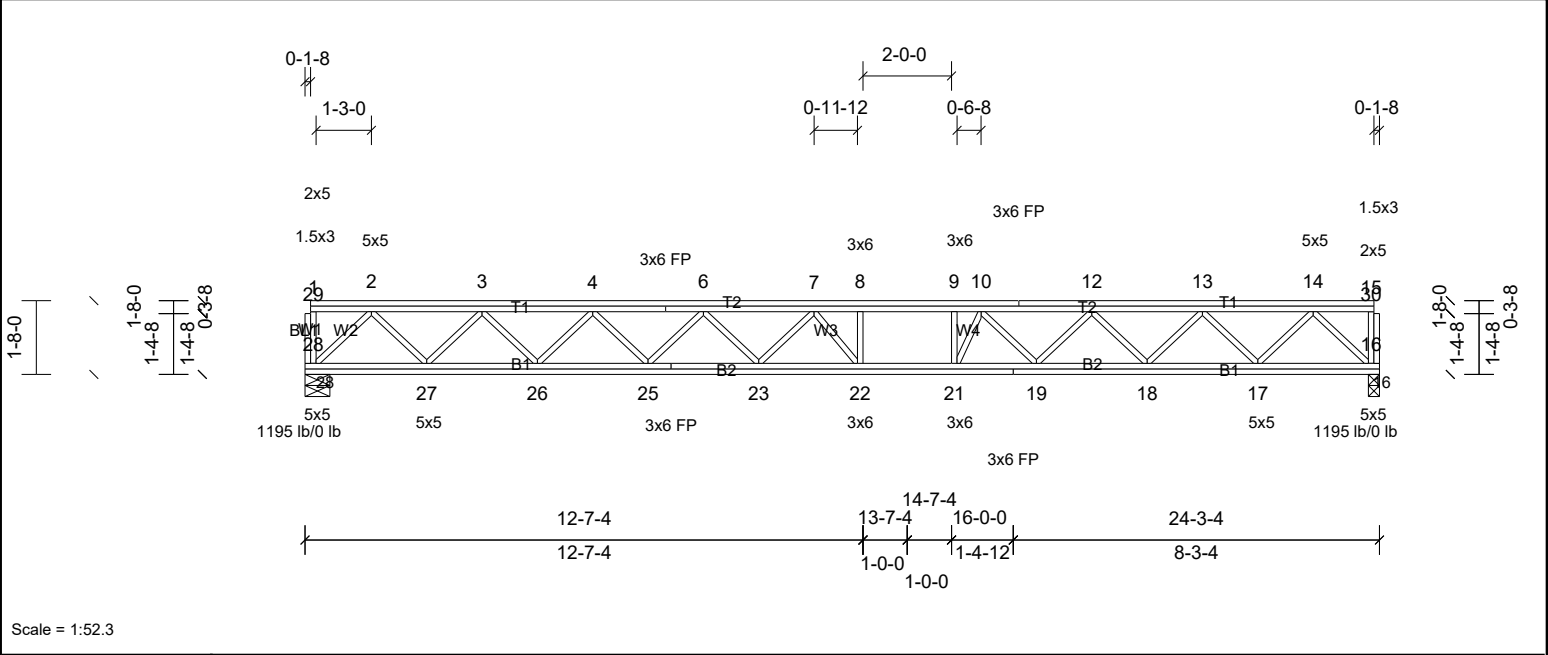


Plate Offsets (X, Y):	[2:0-2-4,Edge], [3:0-2-0,Edge], [4:0-2-0,Edge], [6:0-2-0,Edge], [7:0-2-0,Edge], [9:0-3-0,Edge], [10:0-2-0,Edge], [12:0-2-0,Edge], [13:0-2-0,Edge], [14:0-2-4,Edge], [15:Edge,0-1-8], [16:0-2-0,Edge], [17:0-2-4,Edge], [18:0-2-0,Edge], [19:0-2-0,Edge], [23:0-2-0,Edge], [25:0-2-0,Edge], [26:0-2-0,Edge], [27:0-2-4,Edge], [28:0-2-0,Edge]
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Loading	(psf)	Spacing	1-4-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	-0.21	22-23	>999	480	MT20 244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.40	22-23	>719	480	
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.05	16	n/a	n/a	
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 199 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) 16=1195/0-3-0, (min. 0-1-8), 28=1195/0-6-12, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1898/0, 3-4=-3328/0, 4-5=-4312/0, 5-6=-4312/0, 6-7=-4875/0, 7-8=-4912/0, 8-9=-4912/0, 9-10=-4912/0, 10-11=-4302/0, 11-12=-4302/0, 12-13=-3331/0, 13-14=-1897/0
BOT CHORD 27-28=0/1112, 26-27=0/2719, 25-26=0/3922, 24-25=0/4697, 23-24=0/4697, 22-23=0/5002, 21-22=0/4912, 20-21=0/4713, 19-20=0/4713, 18-19=0/3922, 17-18=0/2719, 16-17=0/1112
WEBS 9-21=-534/0, 2-28=-1557/0, 2-27=0/1192, 3-27=-1241/0, 3-26=0/921, 4-26=-897/0, 4-25=0/590, 6-25=-582/0, 6-23=0/317, 7-23=-304/0, 7-22=-382/232, 14-16=-1557/0, 14-17=0/1190, 13-17=-1242/0, 13-18=0/925, 12-18=-893/0, 12-19=0/575, 10-19=-662/0, 10-21=0/780

NOTES
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 5x4 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F24	Truss	1	1	

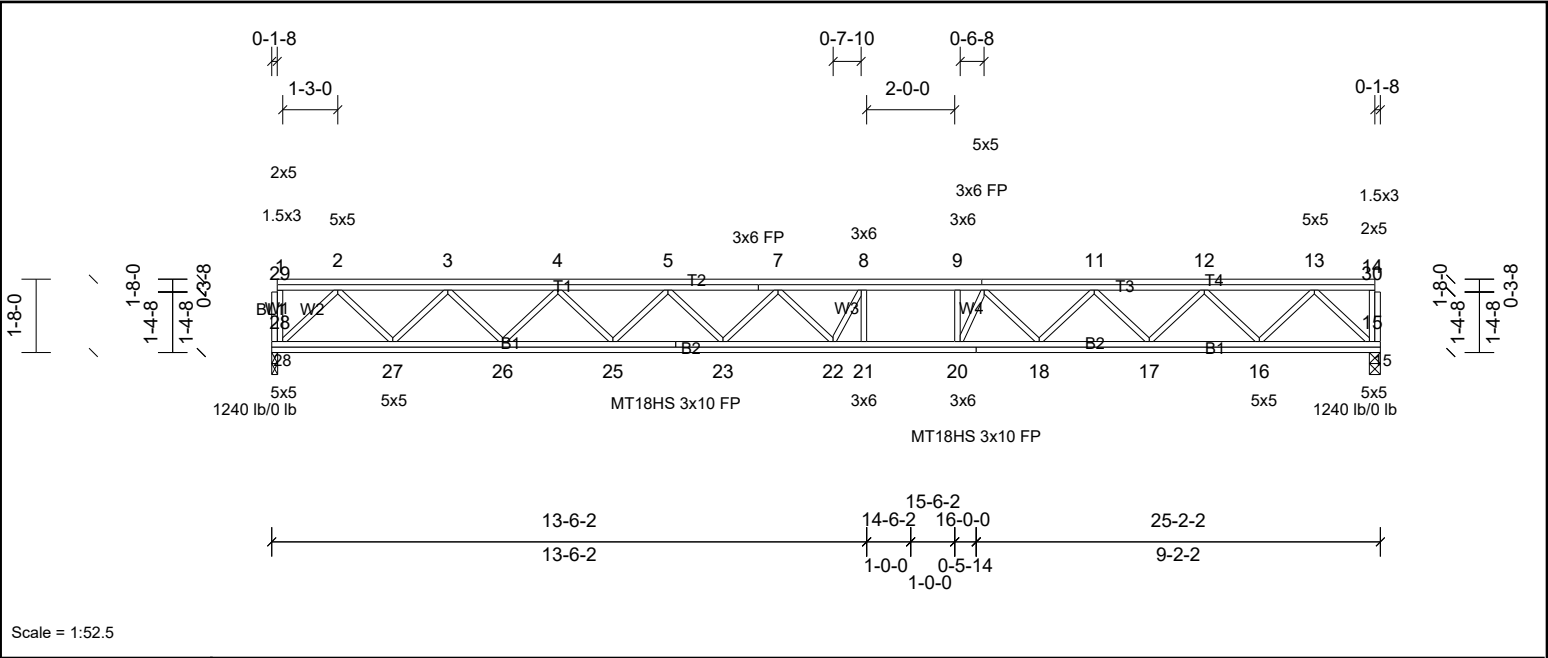


Plate Offsets (X, Y):		[2:0-2-0,Edge], [3:0-2-0,Edge], [4:0-2-0,Edge], [5:0-2-0,Edge], [7:0-2-0,Edge], [9:0-3-0,Edge], [11:0-2-0,Edge], [12:0-2-0,Edge], [13:0-2-0,Edge], [14:Edge,0-1-8], [15:0-2-0,Edge], [16:0-2-0,Edge], [17:0-2-0,Edge], [18:0-2-0,Edge], [22:0-2-0,Edge], [23:0-2-0,Edge], [25:0-2-0,Edge], [26:0-2-0,Edge], [27:0-2-0,Edge], [28:0-2-0,Edge]										
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.25	22	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.46	22	>648	480	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.06	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 206 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)			2-2-0 oc bracing: 20-21.	
OTHERS	2x4 SP No.3(flat)				
REACTIONS	(lb/size)	15=1240/0-3-0, (min. 0-1-8), 28=1240/0-1-10, (min. 0-1-8)			
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.				
TOP CHORD	2-3=-1980/0, 3-4=-3488/0, 4-5=-4555/0, 5-6=-5186/0, 6-7=-5186/0, 7-8=-5357/0, 8-9=-5244/0, 9-10=-5244/0, 10-11=-4538/0, 11-12=-3493/0, 12-13=-1979/0				
BOT CHORD	27-28=0/1155, 26-27=0/2840, 25-26=0/4124, 24-25=0/4971, 23-24=0/4971, 22-23=0/5392, 21-22=0/5244, 20-21=0/5244, 19-20=0/5024, 18-19=0/5024, 17-18=0/4121, 16-17=0/2840, 15-16=0/1155				
WEBS	8-21=-396/0, 9-20=-565/0, 2-28=-1618/0, 2-27=0/1249, 3-27=-1300/0, 3-26=0/980, 4-26=-961/0, 4-25=0/651, 5-25=-628/0, 5-23=0/341, 7-23=-319/0, 8-22=-158/484, 13-15=-1618/0, 13-16=0/1247, 12-16=-1302/0, 12-17=0/986, 11-17=-950/0, 11-18=0/630, 10-18=-758/0, 10-20=0/873				
NOTES					
1) Unbalanced floor live loads have been considered for this design.					
2) All plates are MT20 plates unless otherwise indicated.					
3) All plates are 5x4 MT20 unless otherwise indicated.					
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 28.					
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.					
LOAD CASE(S) Standard					

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F25	Truss	3	1	

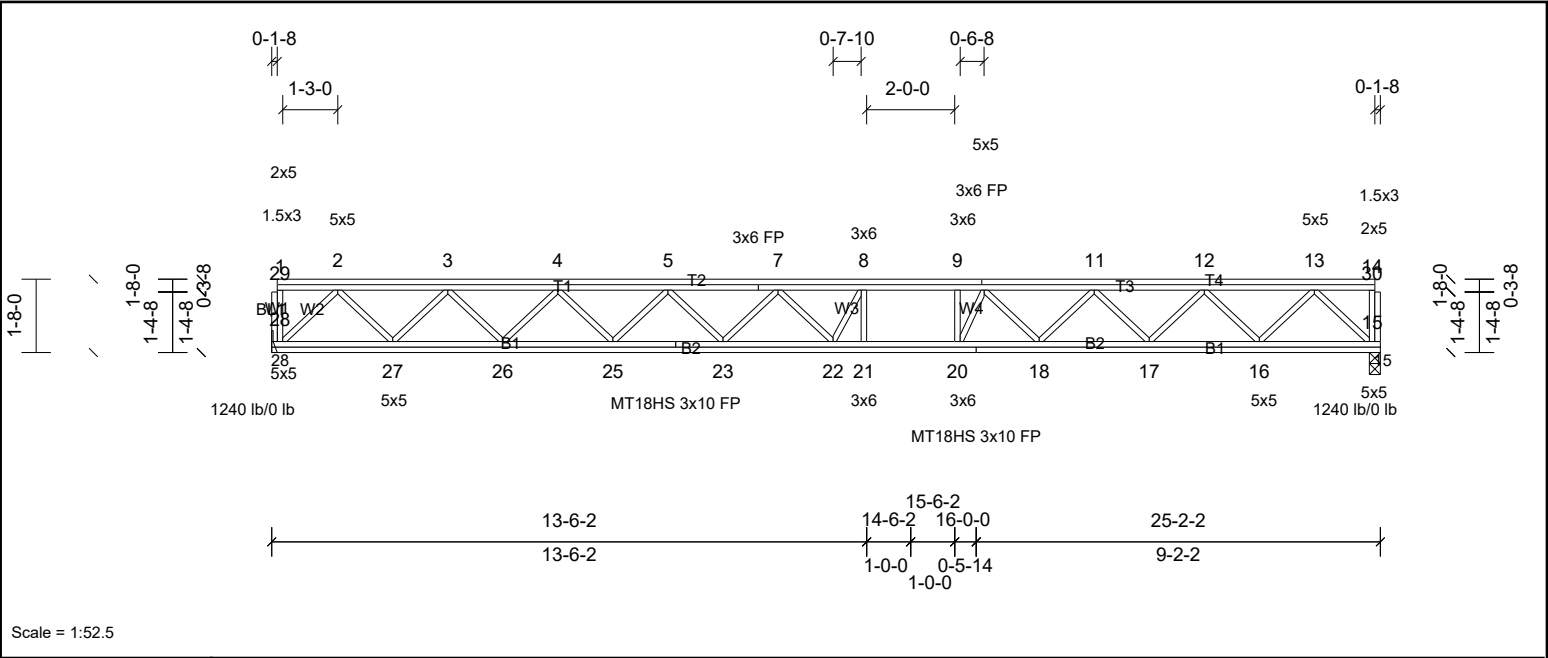


Plate Offsets (X, Y):	[2:0-2-0,Edge], [3:0-2-0,Edge], [4:0-2-0,Edge], [5:0-2-0,Edge], [7:0-2-0,Edge], [9:0-3-0,Edge], [11:0-2-0,Edge], [12:0-2-0,Edge], [13:0-2-0,Edge], [14:Edge,0-1-8], [15:0-2-0,Edge], [16:0-2-0,Edge], [17:0-2-0,Edge], [18:0-2-0,Edge], [22:0-2-0,Edge], [23:0-2-0,Edge], [25:0-2-0,Edge], [26:0-2-0,Edge], [27:0-2-0,Edge], [28:0-2-0,Edge]
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Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.25	22	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.46	22	>648	480	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.06	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 206 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)		2-2-0 oc bracing: 20-21.
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	15=1240/0-3-0, (min. 0-1-8), 28=1240/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1980/0, 3-4=-3488/0, 4-5=-4555/0, 5-6=-5186/0, 6-7=-5186/0, 7-8=-5357/0, 8-9=-5244/0, 9-10=-5244/0, 10-11=-4538/0, 11-12=-3493/0, 12-13=-1979/0	
BOT CHORD	27-28=0/1155, 26-27=0/2840, 25-26=0/4124, 24-25=0/4971, 23-24=0/4971, 22-23=0/5392, 21-22=0/5244, 20-21=0/5244, 19-20=0/5024, 18-19=0/5024, 17-18=0/4121, 16-17=0/2840, 15-16=0/1155	
WEBS	8-21=-396/0, 9-20=-565/0, 2-28=-1618/0, 2-27=0/1249, 3-27=-1300/0, 3-26=0/980, 4-26=-961/0, 4-25=0/651, 5-25=-628/0, 5-23=0/341, 7-23=-319/0, 8-22=-158/484, 13-15=-1618/0, 13-16=0/1247, 12-16=-1302/0, 12-17=0/986, 11-17=-950/0, 11-18=0/630, 10-18=-758/0, 10-20=0/873	

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) All plates are 5x4 MT20 unless otherwise indicated.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 15.
 - 6) 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.
 - 7) 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	Job Reference (optional)
24091249	F26	Truss	4	1	

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Tony Demers

Run: 8.73 S Jul 24 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Nov 13 14:14:13

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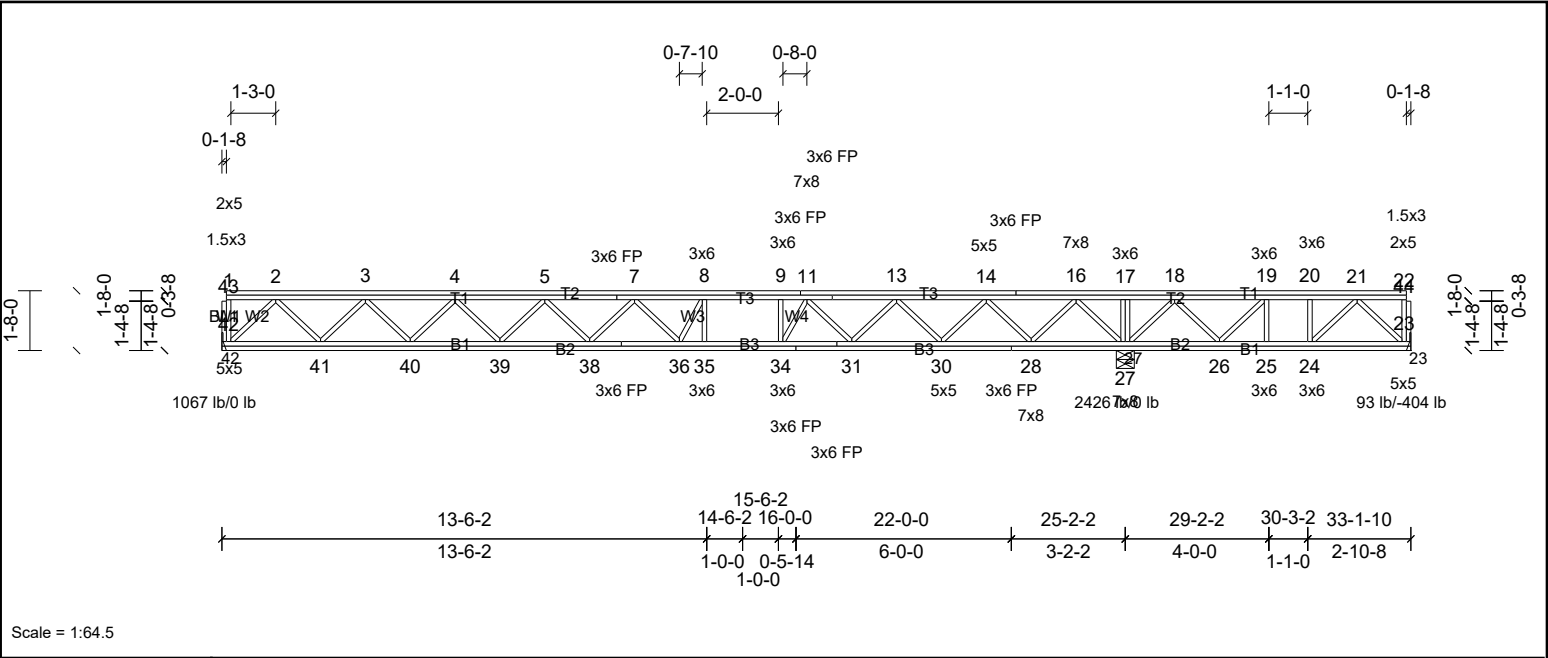


Plate Offsets (X, Y): [2:0-1-12,Edge], [3:0-2-0,Edge], [4:0-2-0,Edge], [5:0-2-0,Edge], [7:0-2-0,Edge], [9:0-3-0,Edge], [13:0-2-0,Edge], [14:0-1-12,Edge], [18:0-1-12,Edge], [20:0-3-0,Edge], [21:0-2-0,Edge], [22:Edge,0-1-8], [23:0-2-0,Edge], [26:0-1-12,Edge], [30:0-1-12,Edge], [31:0-2-0,Edge], [36:0-2-0,Edge], [38:0-2-0,Edge], [39:0-2-0,Edge], [40:0-2-0,Edge], [41:0-1-12,Edge], [42:0-2-0,Edge]

Loading	(psf)	Spacing	1-4-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.61	Vert(LL)	-0.19	36	>999	480	MT20 244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.35	36	>857	480	
BCLL	0.0	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.04	27	n/a	n/a	
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 273 lb FT = 20%F, 11%E

LUMBER	BRACING
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)

REACTIONS	(lb/size)	23=-212/ Mechanical, (min. 0-1-8), 27=2426/0-6-0, (min. 0-1-8), 42=1063/ Mechanical, (min. 0-1-8)
	Max Uplift	23=-404 (LC 3)
	Max Grav	23=93 (LC 4), 27=2426 (LC 1), 42=1067 (LC 3)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1669/0, 3-4=-2876/0, 4-5=-3638/0, 5-6=-3971/0, 6-7=-3971/0, 7-8=-3806/0, 8-9=-3508/0, 9-10=-3508/0, 10-11=-3508/0, 11-12=-2375/0, 12-13=-2375/0, 13-14=-1029/0, 14-15=0/910, 15-16=0/910, 16-17=0/3211, 17-18=0/3211, 18-19=0/1894, 19-20=0/1080, 20-21=0/1080
BOT CHORD	41-42=0/989, 40-41=0/2378, 39-40=0/3361, 38-39=0/3900, 37-38=0/4036, 36-37=0/4036, 35-36=0/3508, 34-35=0/3508, 33-34=0/3041, 32-33=0/3041, 31-32=0/3041, 30-31=0/1811, 27-28=-1939/0, 26-27=-2512/0, 25-26=-1080/0, 24-25=-1080/0, 23-24=-433/30
WEBS	8-35=-589/0, 9-34=-695/0, 2-42=-1385/0, 2-41=0/1030, 3-41=-1071/0, 3-40=0/752, 4-40=-733/0, 4-39=0/420, 5-39=-395/0, 7-36=-452/0, 8-36=0/824, 16-27=-1826/0, 16-28=0/1556, 14-28=-1572/0, 14-30=0/1249, 13-30=-1188/0, 13-31=0/860, 11-31=-1014/0, 11-34=0/1180, 18-27=-1156/0, 21-23=-40/610, 18-26=0/1035, 21-24=-950/0, 19-26=-1286/0, 19-25=0/445, 20-24=0/427

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are 3x6 MT20 unless otherwise indicated.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 404 lb uplift at joint 23.
 - 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

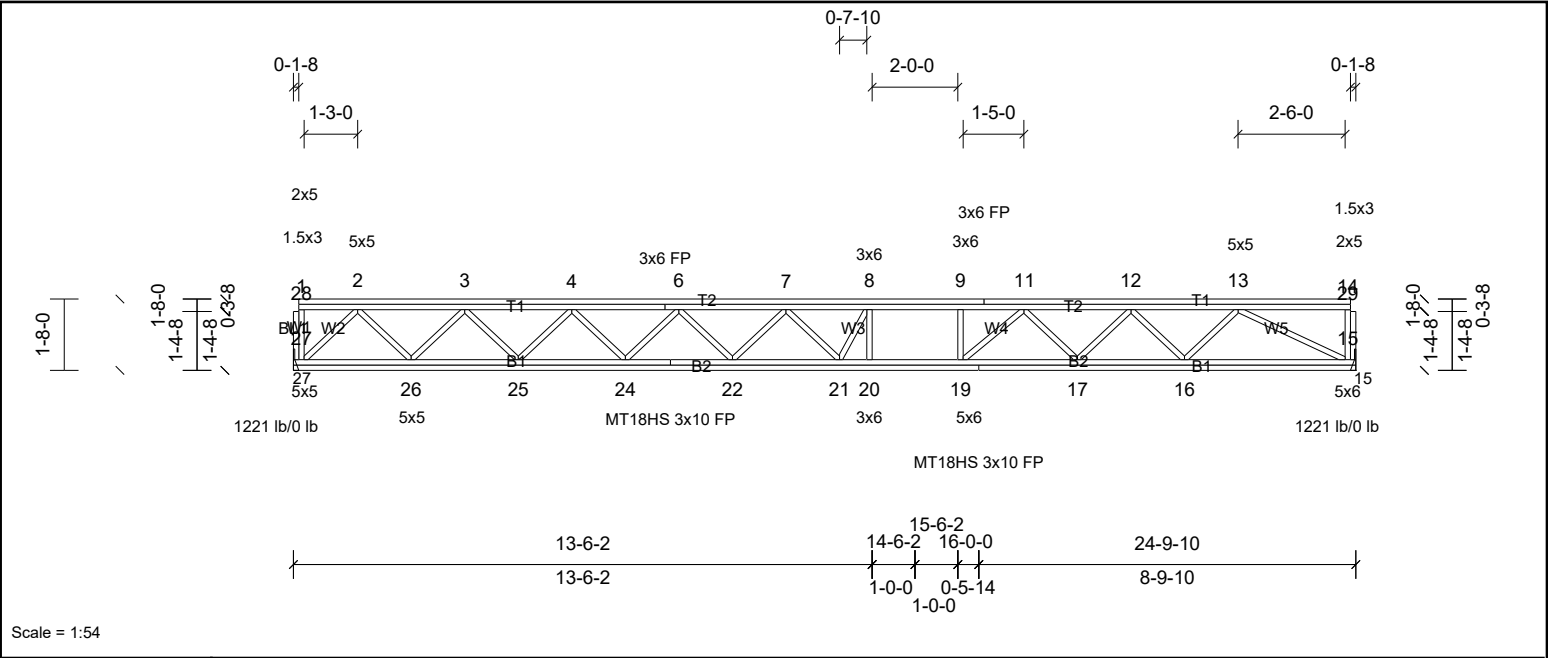
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F27	Truss	8	1	

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Tony Demers

Run: 8.73 S Jul 24 2024 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Wed Nov 13 14:14:13

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Scale = 1:54

Plate Offsets (X, Y): [2:0-2-0,Edge], [3:0-2-0,Edge], [4:0-2-0,Edge], [6:0-2-0,Edge], [7:0-2-0,Edge], [9:0-3-0,Edge], [11:0-2-0,Edge], [12:0-2-0,Edge], [13:0-2-8,Edge], [14:Edge,0-1-8], [15:Edge,0-3-0], [16:0-1-12,Edge], [17:0-2-0,Edge], [19:0-3-0,Edge], [21:0-2-0,Edge], [22:0-2-0,Edge], [24:0-2-0,Edge], [25:0-2-0,Edge], [26:0-2-0,Edge], [27:0-2-0,Edge]

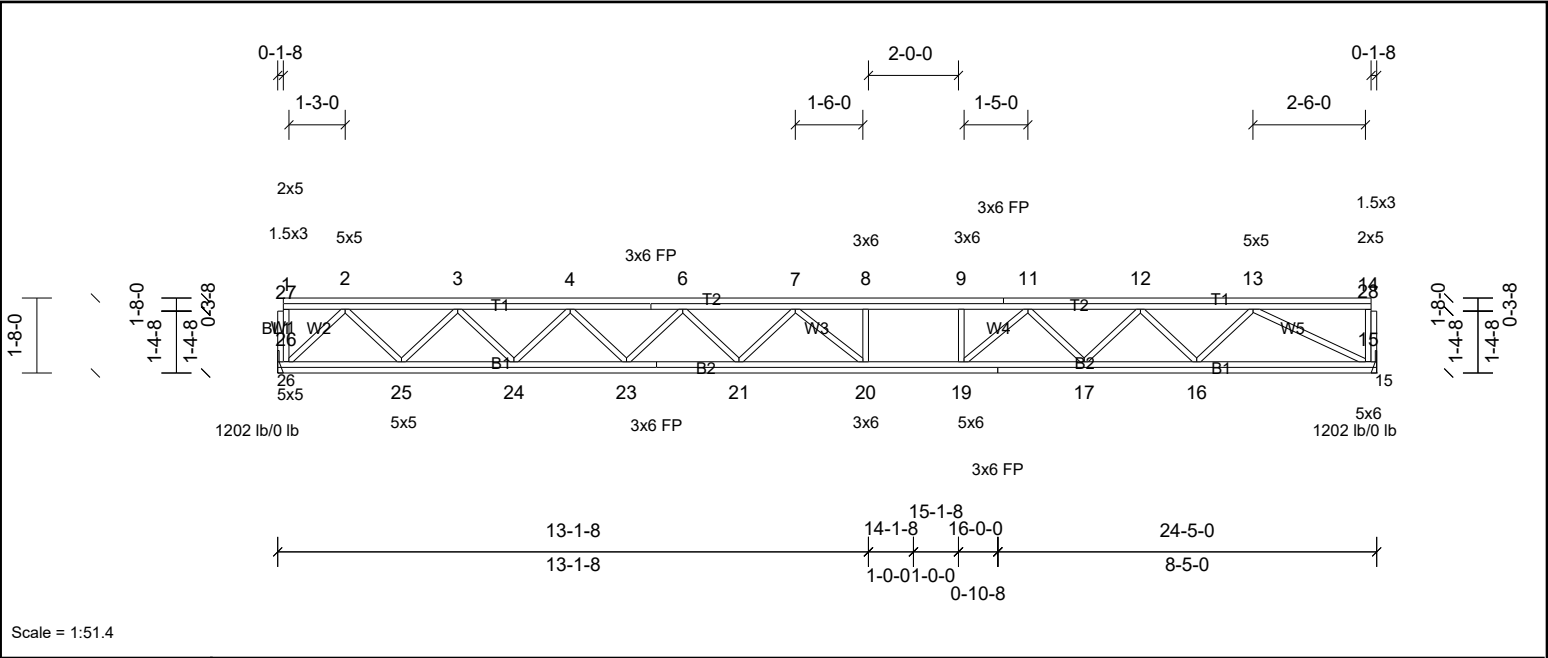
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	-0.24	20-21	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.98	Vert(CT)	-0.45	21	>656	480	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.06	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 201 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)		2-2-0 oc bracing: 19-20.
OTHERS	2x4 SP No.3(flat)		

REACTIONS	(lb/size)	15=1221/ Mechanical, (min. 0-1-8), 27=1221/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1946/0, 3-4=-3422/0, 4-5=-4455/0, 5-6=-4455/0, 6-7=-5055/0, 7-8=-5186/0, 8-9=-5045/0, 9-10=-5045/0, 10-11=-5045/0, 11-12=-3968/0, 12-13=-2744/0	
BOT CHORD	26-27=0/1137, 25-26=0/2789, 24-25=0/4041, 23-24=0/4854, 22-23=0/4854, 21-22=0/5245, 20-21=0/5045, 19-20=0/5045, 18-19=0/4502, 17-18=0/4502, 16-17=0/3468, 15-16=0/2054	
WEBS	8-20=-437/0, 9-19=-406/0, 2-27=-1593/0, 2-26=0/1225, 3-26=-1275/0, 3-25=0/956, 4-25=-936/0, 4-24=0/626, 6-24=-603/0, 6-22=0/321, 7-22=-299/0, 8-21=-118/544, 13-15=-2298/0, 13-16=0/1046, 12-16=-1093/0, 12-17=0/756, 11-17=-807/0, 11-19=0/925	

- NOTES**
- Unbalanced floor live loads have been considered for this design.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 5x4 MT20 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.
- LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F28	Truss	2	1	



Scale = 1:51.4

Plate Offsets (X, Y):	[2:0-2-4,Edge], [3:0-2-0,Edge], [4:0-2-0,Edge], [6:0-2-0,Edge], [7:0-2-0,Edge], [9:0-3-0,Edge], [11:0-2-0,Edge], [12:0-2-0,Edge], [13:0-2-8,Edge], [14:Edge,0-1-8], [15:Edge,0-3-0], [16:0-2-0,Edge], [17:0-2-0,Edge], [19:0-3-0,Edge], [21:0-2-0,Edge], [23:0-2-0,Edge], [24:0-2-0,Edge], [25:0-2-4,Edge], [26:0-2-0,Edge]
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Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	-0.23	20-21	>999	480	MT20	244/190
TCDL	30.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.43	20-21	>671	480		
BCLL	0.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.06	15	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 197 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)	15=1202/ Mechanical, (min. 0-1-8), 26=1202/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1911/0, 3-4=-3355/0, 4-5=-4349/0, 5-6=-4349/0, 6-7=-4936/0, 7-8=-4919/0, 8-9=-4919/0, 9-10=-4919/0, 10-11=-4919/0, 11-12=-3885/0, 12-13=-2693/0	
BOT CHORD	25-26=0/1119, 24-25=0/2738, 23-24=0/3954, 22-23=0/4743, 21-22=0/4743, 20-21=0/5069, 19-20=0/4919, 18-19=0/4397, 17-18=0/4397, 16-17=0/3400, 15-16=0/2018	
WEBS	9-19=-434/0, 2-26=-1567/0, 2-25=0/1200, 3-25=-1251/0, 3-24=0/931, 4-24=-906/0, 4-23=0/596, 6-23=-595/0, 6-21=0/312, 7-21=-285/0, 7-20=-425/207, 13-15=-2258/0, 13-16=0/1022, 12-16=-1070/0, 12-17=0/732, 11-17=-774/0, 11-19=0/907	

- NOTES
- Unbalanced floor live loads have been considered for this design.
 - All plates are 5x4 MT20 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.

LOAD CASE(S) Standard



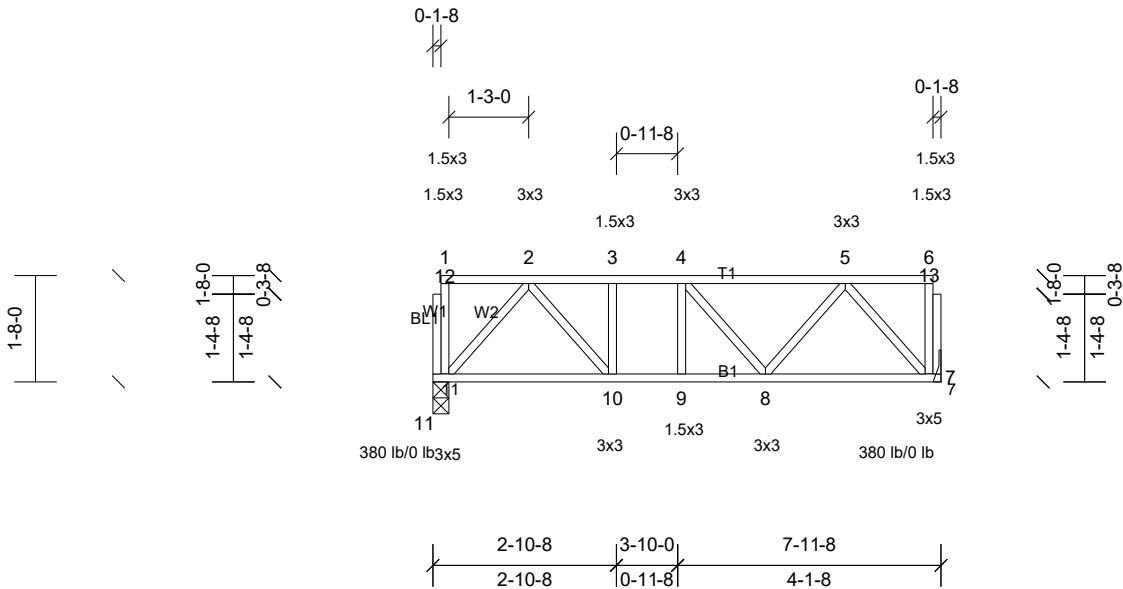
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24091249	F30	Truss	1	1	

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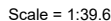
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Scale = 1:36.2									
Plate Offsets (X, Y): [7:0-2-0,Edge], [11:0-2-0,Edge]									
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	L/d
TCLL	40.0	Plate Grip DOL	1.00	TC	0.30	Vert(LL)	-0.02	8-9	>999
TCDL	30.0	Lumber DOL	1.00	BC	0.35	Vert(CT)	-0.03	8-9	>999
BCLL	0.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	7	n/a
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH					
					Weight: 49 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=380/ Mechanical, (min. 0-1-8), 11=380/0-3-0, (min. 0-1-8)			
FORCES		(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.			
TOP CHORD	2-3=-473/0, 3-4=-473/0, 4-5=-411/0				
BOT CHORD	10-11=0/293, 9-10=0/473, 8-9=0/473, 7-8=0/314				
WEBS	5-7=-470/0, 2-11=-437/0, 2-10=0/285				
NOTES					
1) Unbalanced floor live loads have been considered for this design.					
2) Refer to girder(s) for truss to truss connections.					
3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 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) 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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LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 5-6-0 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)	6=257/0-6-0, (min. 0-1-8), 9=257/ Mechanical, (min. 0-1-8)
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FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

WEBS 4-6=-268/0, 2-9=-306/0

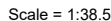
NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 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
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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)	6=282/0-6-0, (min. 0-1-8), 9=282/0-6-0, (min. 0-1-8)
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FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

WEBS 4-6=-299/0, 2-9=-362/0

NOTES

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



