

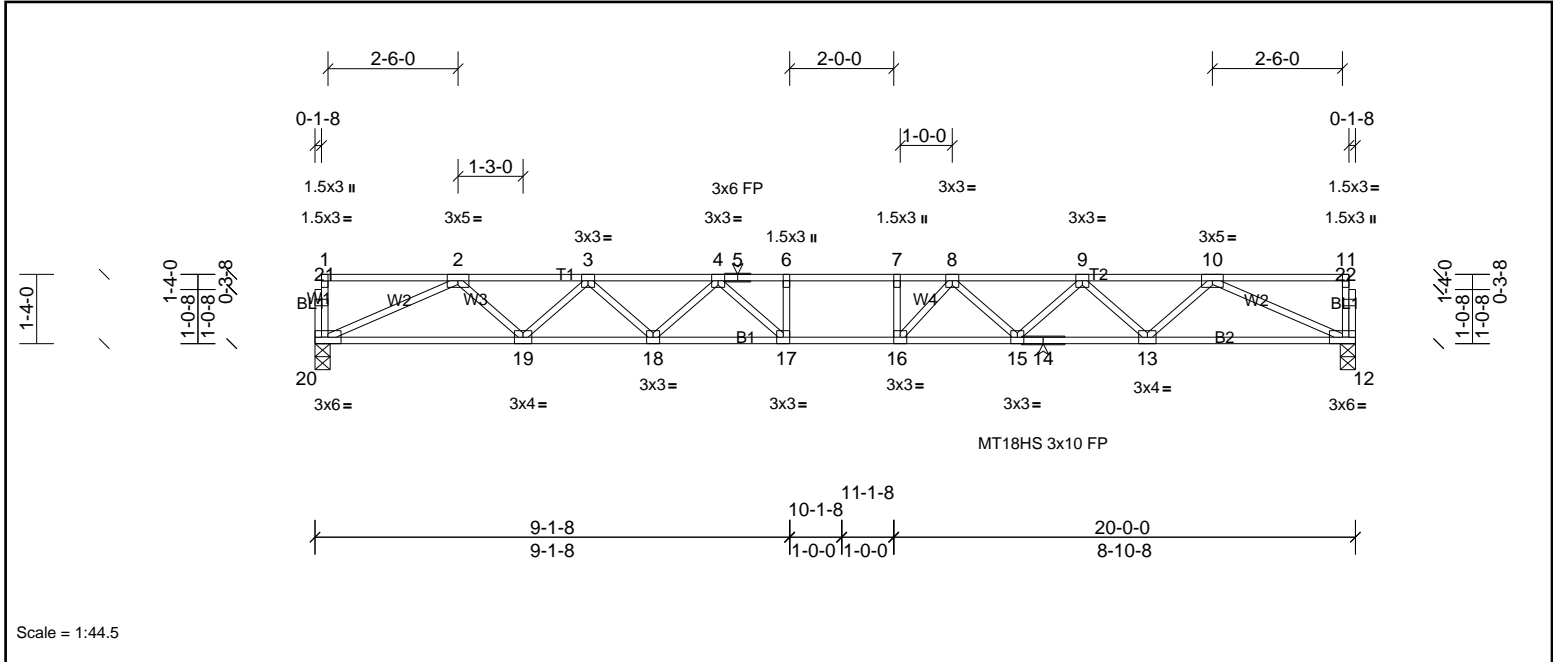
Job 72304971	Truss F200	Truss Type Truss	Qty 1	Ply 1	Prof - SMITHFIELD LC LH 2ND FLR OW Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley

Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Fri Jan 27 15:43:52

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Loading	(psf)	Spacing	1-7-3	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.64	Vert(LL)	-0.30	16-17	>803	480	MT18HS 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.41	16-17	>584	360	MT20 244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.07	12	n/a	n/a	
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 101 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)	12=863/0-3-8, (min. 0-1-8), 20=863/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-2224/0, 3-4=-3073/0, 4-5=-3515/0, 5-6=-3515/0, 6-7=-3515/0, 7-8=-3515/0, 8-9=-3070/0, 9-10=-2224/0	
BOT CHORD	19-20=0/1666, 18-19=0/2752, 17-18=0/3373, 16-17=0/3515, 15-16=0/3375, 14-15=0/2752, 13-14=0/2752, 12-13=0/1666	
WEBS	7-16=-275/25, 2-20=-1829/0, 2-19=0/776, 3-19=-735/0, 3-18=0/447, 4-18=-417/0, 4-17=-122/493, 10-12=-1829/0, 10-13=0/777, 9-13=-733/0, 9-15=0/443, 8-15=-427/0, 8-16=-118/511	

- 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 3x3 MT20 unless otherwise indicated.
 - 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.



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 72304971	Truss F201	Truss Type Truss	Qty 7	Ply 1	Prof - SMITHFIELD LC LH 2ND FLR OW Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley

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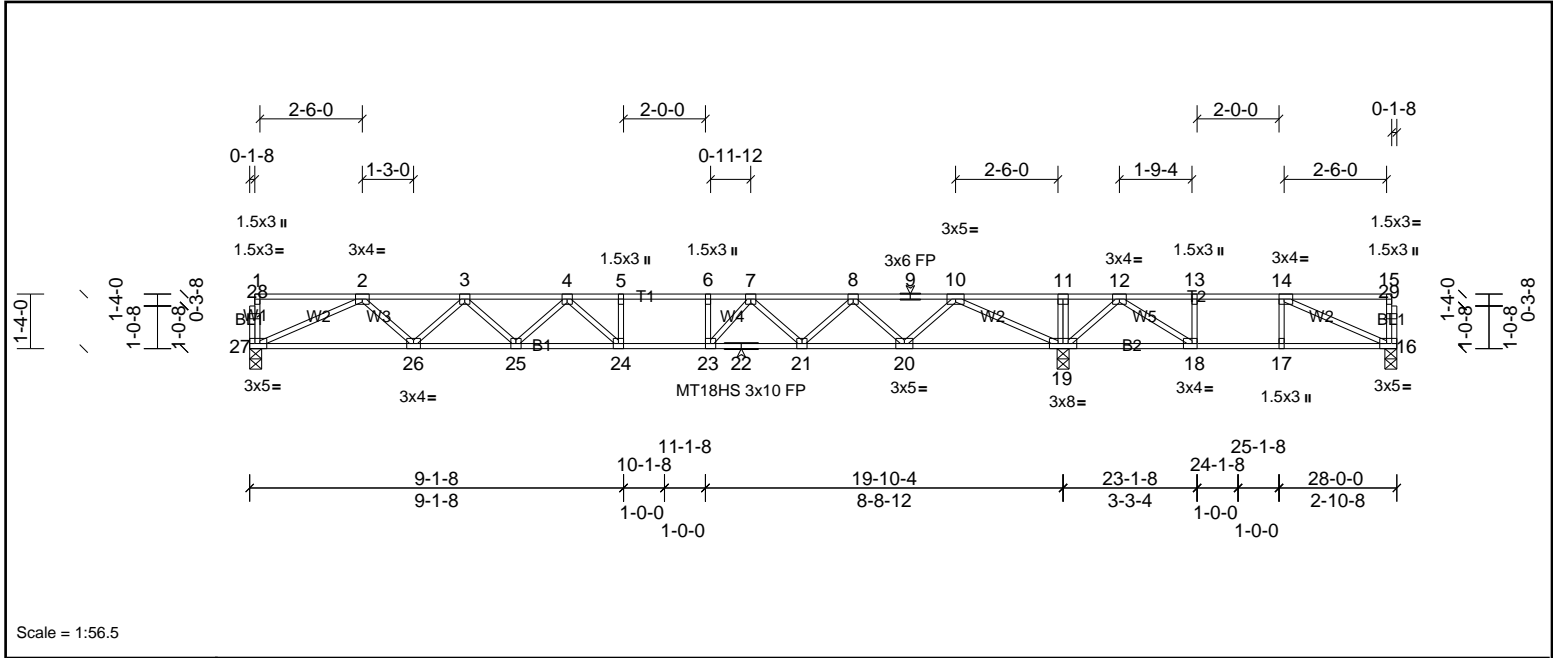


Plate Offsets (X, Y): [14:0-1-8,Edge], [16:0-2-0,Edge], [18:0-1-8,Edge], [27:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI	DEFLL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.86	Vert(LL)	-0.28	24-25	>853	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.38	24-25	>621	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.06	19	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH								Weight: 141 lb FT = 20%F, 11%E

LUMBER
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 18-19,17-18,16-17.

REACTIONS (lb/size) 16=183/0-3-8, (min. 0-1-8), 19=1454/0-3-8, (min. 0-1-8), 27=793/0-3-8,
Max Uplift 16=-59 (LC 3)
Max Grav 16=292 (LC 4), 19=1456 (LC 9), 27=804 (LC 10)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2033/0, 3-4=-2770/0, 4-5=-3028/0, 5-6=-3028/0, 6-7=-3028/0, 7-8=-2416/0, 8-9=-1460/0, 9-10=-1460/0, 10-11=0/1207, 11-12=0/1202, 12-13=-402/312, 13-14=-402/312
BOT CHORD 26-27=0/1537, 25-26=0/2503, 24-25=0/2998, 23-24=0/3028, 22-23=0/2792, 21-22=0/2792, 20-21=0/2048, 19-20=0/833, 18-19=-761/39, 17-18=-312/402, 16-17=-312/402
WEBS 6-23=-328/0, 13-18=-298/0, 2-27=-1687/0, 2-26=0/690, 3-26=-654/0, 3-25=0/371, 4-25=-318/0, 4-24=-225/336, 10-19=-1944/0, 10-20=0/899, 8-20=-847/0, 8-21=0/539, 7-21=-556/0, 7-23=0/614, 12-19=-654/0, 12-18=0/761, 14-16=-436/345

- 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 3x3 MT20 unless otherwise indicated.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 16.
 - 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 backyards.



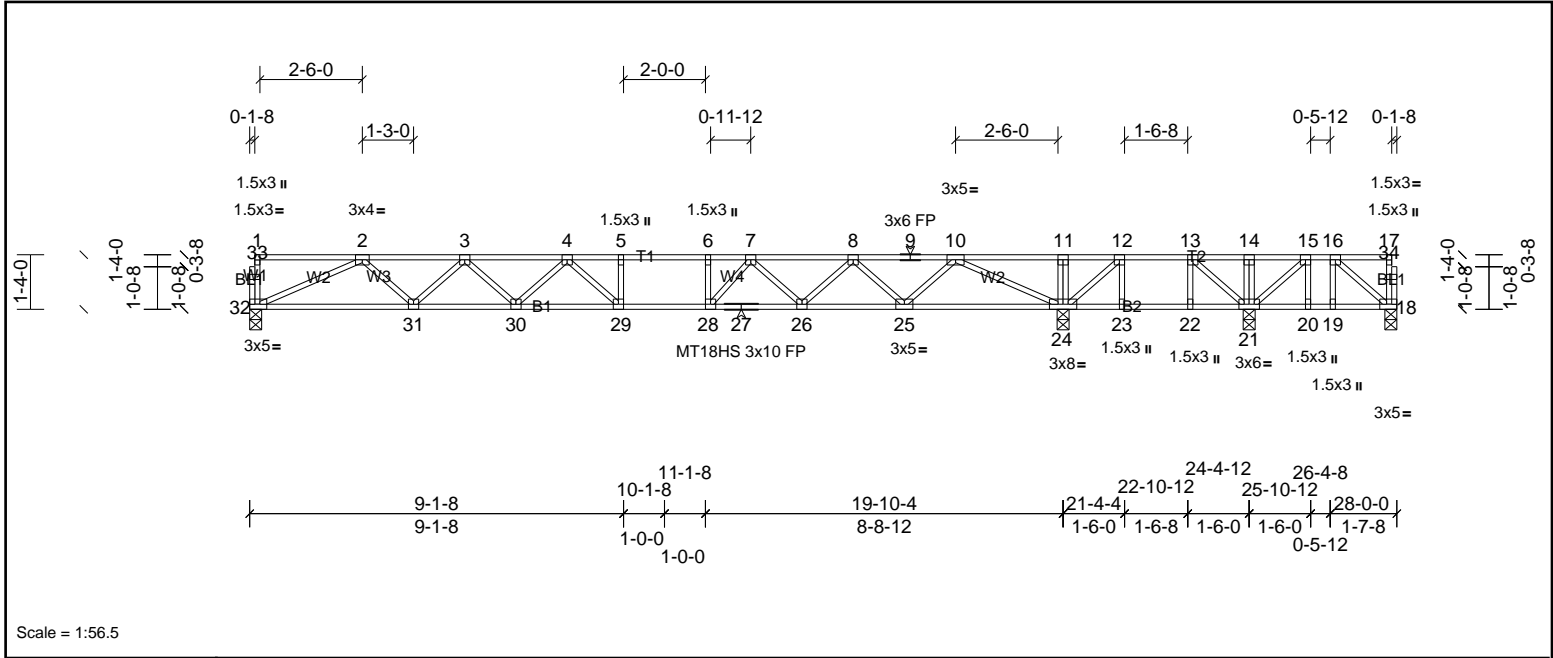
Job 72304971	Truss F202	Truss Type Truss	Qty 1	Ply 1	Prof - SMITHFIELD LC LH 2ND FLR OW Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley

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Scale = 1:56.5
Plate Offsets (X, Y): [18:0-2-0,Edge], [32:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.90	Vert(LL)	-0.27	29-30	>881	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.37	29-30	>639	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.05	24	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH								Weight: 147 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 6-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS
All bearings 0-3-8.
(lb) - Max Uplift All uplift 100 (lb) or less at joint(s) except 18=323 (LC 3)
Max Grav All reactions 250 (lb) or less at joint(s) 18 except 21=604 (LC 14), 24=1289 (LC 13), 32=770 (LC 14)

FORCES
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=1920/0, 3-4=2590/0, 4-5=2740/0, 5-6=2740/0, 6-7=2740/0, 7-8=2027/0, 8-9=1001/0, 9-10=1001/0, 10-11=0/1509, 11-12=0/1506, 12-13=0/1216, 13-14=0/1059, 14-15=0/1059, 15-16=0/492
BOT CHORD 31-32=0/1461, 30-31=0/2356, 29-30=0/2777, 28-29=0/2740, 27-28=0/2446, 26-27=0/2446, 25-26=0/1623, 24-25=0/344, 23-24=1216/0, 22-23=1216/0, 21-22=1216/0, 20-21=492/0, 19-20=492/0, 18-19=492/0
WEBS 6-28=343/0, 13-21=137/265, 12-24=497/0, 15-21=830/0, 16-18=0/646, 15-20=0/255, 2-32=1604/0, 2-31=0/638, 3-31=605/0, 3-30=0/326, 4-30=264/0, 4-29=256/281, 10-24=1997/0, 10-25=0/919, 8-25=871/0, 8-26=0/565, 7-26=588/0, 7-28=0/644

- 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 3x3 MT20 unless otherwise indicated.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 323 lb uplift at joint 18.
 - 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.



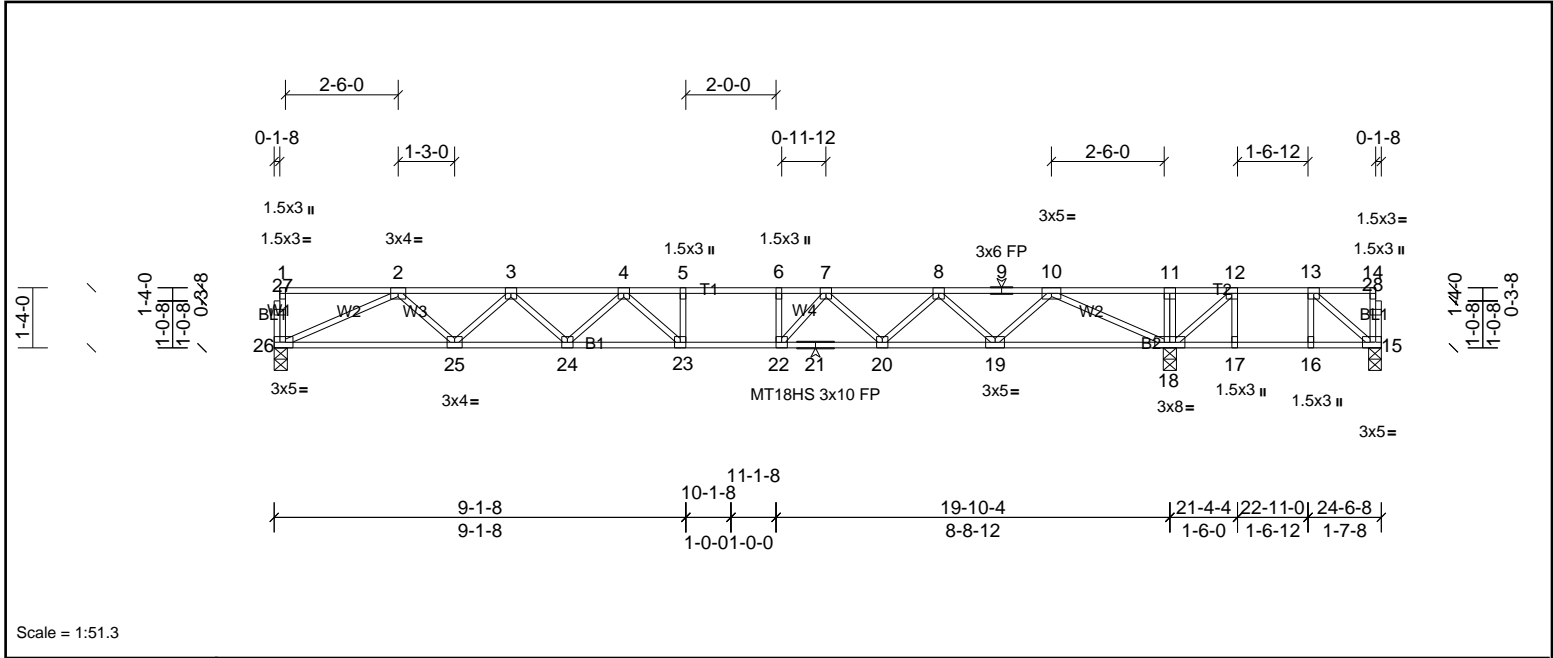
Job 72304971	Truss F203	Truss Type Truss	Qty 1	Ply 1	Prof - SMITHFIELD LC LH 2ND FLR OW Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley

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Scale = 1:51.3

Plate Offsets (X, Y): [15:0-2-0,Edge], [26:0-2-0,Edge]

Loading	(psf)	Spacing	1-7-3	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.84	Vert(LL)	-0.28	23-24	>852	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.38	23-24	>619	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.06	18	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH								
											Weight: 126 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: 17-18,16-17,15-16.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS	(lb/size)	15=-43/0-3-6, (min. 0-1-8), 18=1364/0-3-8, (min. 0-1-8), 26=805/0-3-8, (min. 0-1-8)
Max Uplift	15=-183 (LC 3)	
Max Grav	15=129 (LC 4), 18=1364 (LC 1), 26=808 (LC 10)	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2045/0, 3-4=-2790/0, 4-5=-3060/0, 5-6=-3060/0, 6-7=-3060/0, 7-8=-2459/0, 8-9=-1511/0, 9-10=-1511/0, 10-11=0/930, 11-12=0/927, 12-13=-53/399
BOT CHORD	25-26=0/1546, 24-25=0/2519, 23-24=0/3023, 22-23=0/3060, 21-22=0/2831, 20-21=0/2831, 19-20=0/2093, 18-19=0/894, 17-18=-399/53, 16-17=-399/53, 15-16=-399/53
WEBS	6-22=-316/0, 12-18=-797/0, 13-15=-66/526, 2-26=-1697/0, 2-25=0/695, 3-25=-659/0, 3-24=0/376, 4-24=-324/0, 4-23=-203/365, 10-18=-1927/0, 10-19=0/867, 8-19=-818/0, 8-20=0/517, 7-20=-526/0, 7-22=0/591

- 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 3x3 MT20 unless otherwise indicated.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 183 lb uplift at joint 15.
 - 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 backyards.



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.



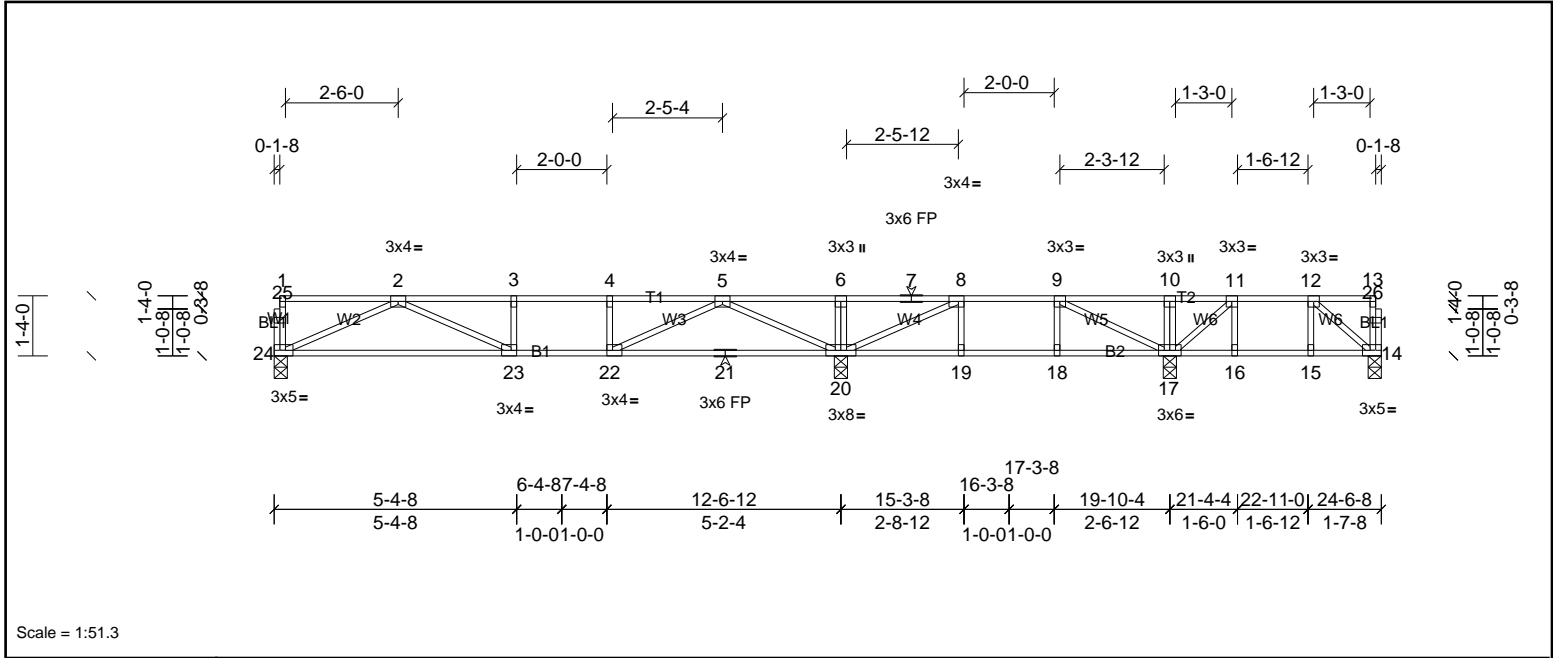
Job 72304971	Truss F205	Truss Type Truss	Qty 2	Ply 1	Prof - SMITHFIELD LC LH 2ND FLR OW Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley

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Scale = 1:51.3

Plate Offsets (X, Y):		[8:0-1-8,Edge], [14:0-2-0,Edge], [22:0-1-8,Edge], [23:0-1-8,Edge], [24:0-2-0,Edge]										
Loading	(psf)	Spacing	1-7-3	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.51	Vert(LL)	-0.13	23-24	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.55	Vert(CT)	-0.21	23-24	>724	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.02	14	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 124 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 6-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		

REACTIONS All bearings 0-3-8.
 (lb) - Max Grav All reactions 250 (lb) or less at joint(s) 14 except 17=545 (LC 14), 20=935 (LC 13), 24=522 (LC 14)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1293/0, 3-4=-1293/0, 4-5=-1293/0, 5-6=0/428, 6-7=0/427, 7-8=0/427, 8-9=-423/70
 BOT CHORD 23-24=0/920, 22-23=0/1293, 21-22=0/796, 20-21=0/796, 19-20=-70/423, 18-19=-70/423, 17-18=-70/423
 WEBS 11-17=-319/0, 2-24=-1009/0, 2-23=0/412, 8-20=-605/0, 9-17=-477/0, 5-20=-1091/0, 5-22=-0/624

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



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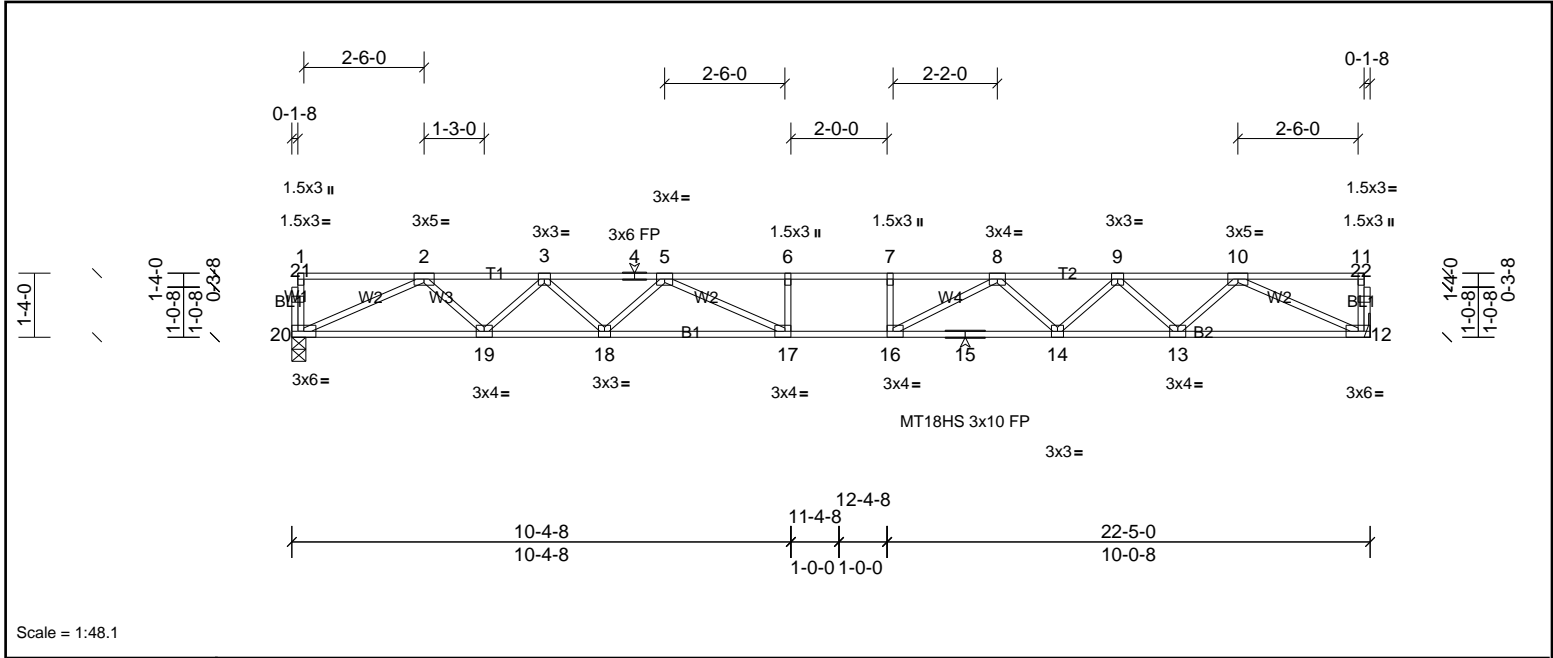
Job 72304971	Truss F206	Truss Type Truss	Qty 12	Ply 1	Prof - SMITHFIELD LC LH 2ND FLR OW Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Gina Tolley

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ID:L4zUiKM9kmmRlp_Z7H2yKmtzVLR-H2VlTHAJY4ZCWVX?VXezCT2UQ?TumOiftsBpBEzr7Jo



Scale = 1:48.1

Plate Offsets (X, Y): [16:0-1-8,Edge], [17:0-1-8,Edge]

Loading	(psf)	Spacing	1-4-0	CSI	DEFLL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.69	Vert(LL)	-0.39	17	>686	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.53	17-18	>498	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.08	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH								
											Weight: 111 lb	FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 5-10-1 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)	12=809/ Mechanical, (min. 0-1-8), 20=809/0-3-8, (min. 0-1-8)
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD		2-3=-2135/0, 3-4=-3038/0, 4-5=-3038/0, 5-6=-3705/0, 6-7=-3705/0, 7-8=-3705/0, 8-9=-3030/0, 9-10=-2137/0
BOT CHORD		19-20=0/1580, 18-19=0/2668, 17-18=0/3382, 16-17=0/3705, 15-16=0/3376, 14-15=0/3376, 13-14=0/2668, 12-13=0/1581
WEBS		2-20=-1736/0, 2-19=0/771, 3-19=-741/0, 3-18=0/515, 5-18=-479/0, 5-17=-38/642, 10-12=-1736/0, 10-13=0/774, 9-13=-739/0, 9-14=0/503, 8-14=-481/0, 8-16=-26/643

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



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.



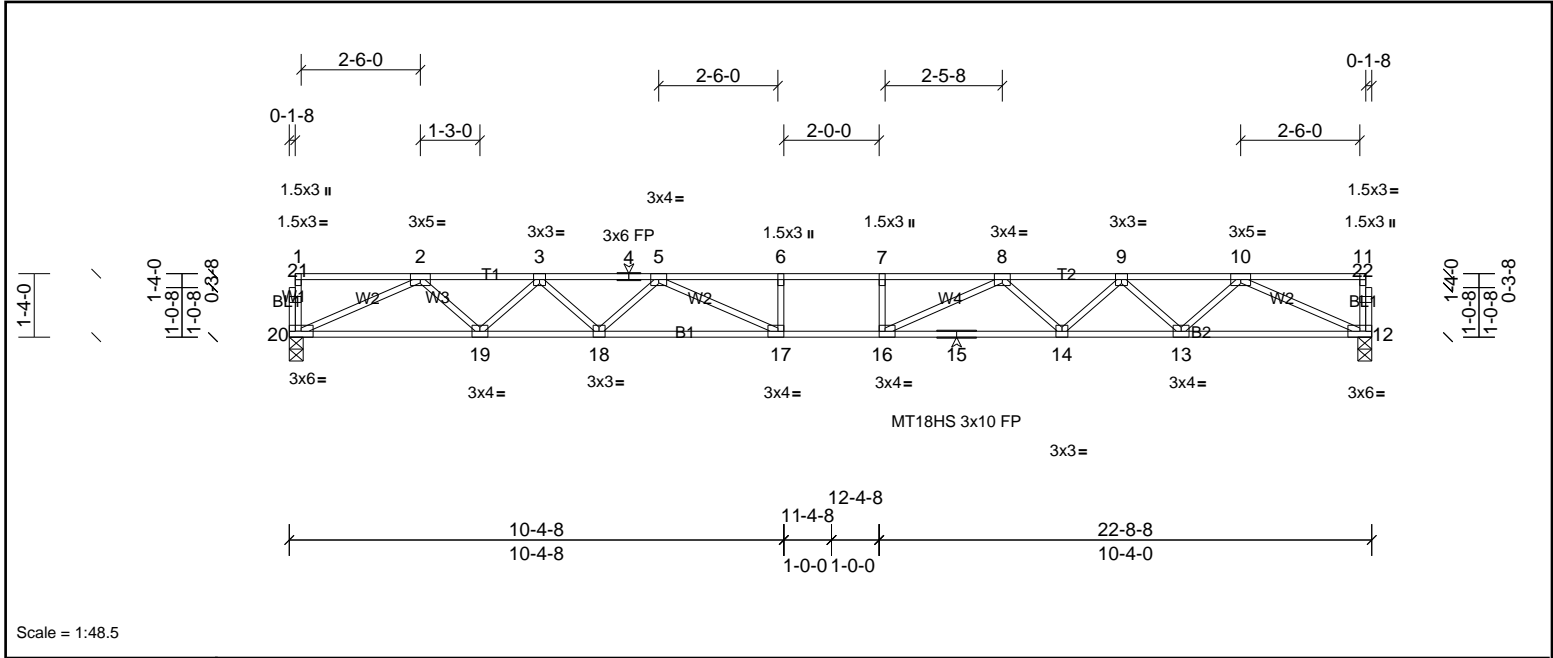
Job 72304971	Truss F207	Truss Type Truss	Qty 5	Ply 1	Prof - SMITHFIELD LC LH 2ND FLR OW Job Reference (optional)
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Scale = 1:48.5

Plate Offsets (X, Y):		[16:0-1-8,Edge], [17:0-1-8,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	0.70	Vert(LL)	-0.40	16-17	>669	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.55	16-17	>488	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.09	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH								Weight: 112 lb FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 5-9-0 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)	12=819/0-3-8, (min. 0-1-8), 20=819/0-3-8, (min. 0-1-8)
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD		2-3=-2170/0, 3-4=-3092/0, 4-5=-3092/0, 5-6=-3805/0, 6-7=-3805/0, 7-8=-3805/0, 8-9=-3091/0, 9-10=-2170/0
BOT CHORD		19-20=0/1604, 18-19=0/2713, 17-18=0/3448, 16-17=0/3805, 15-16=0/3448, 14-15=0/3448, 13-14=0/2713, 12-13=0/1604
WEBS		2-20=-1761/0, 2-19=0/787, 3-19=-755/0, 3-18=0/527, 5-18=-496/0, 5-17=-23/677, 10-12=-1761/0, 10-13=0/787, 9-13=-755/0, 9-14=0/526, 8-14=-496/0, 8-16=-21/677

- 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.



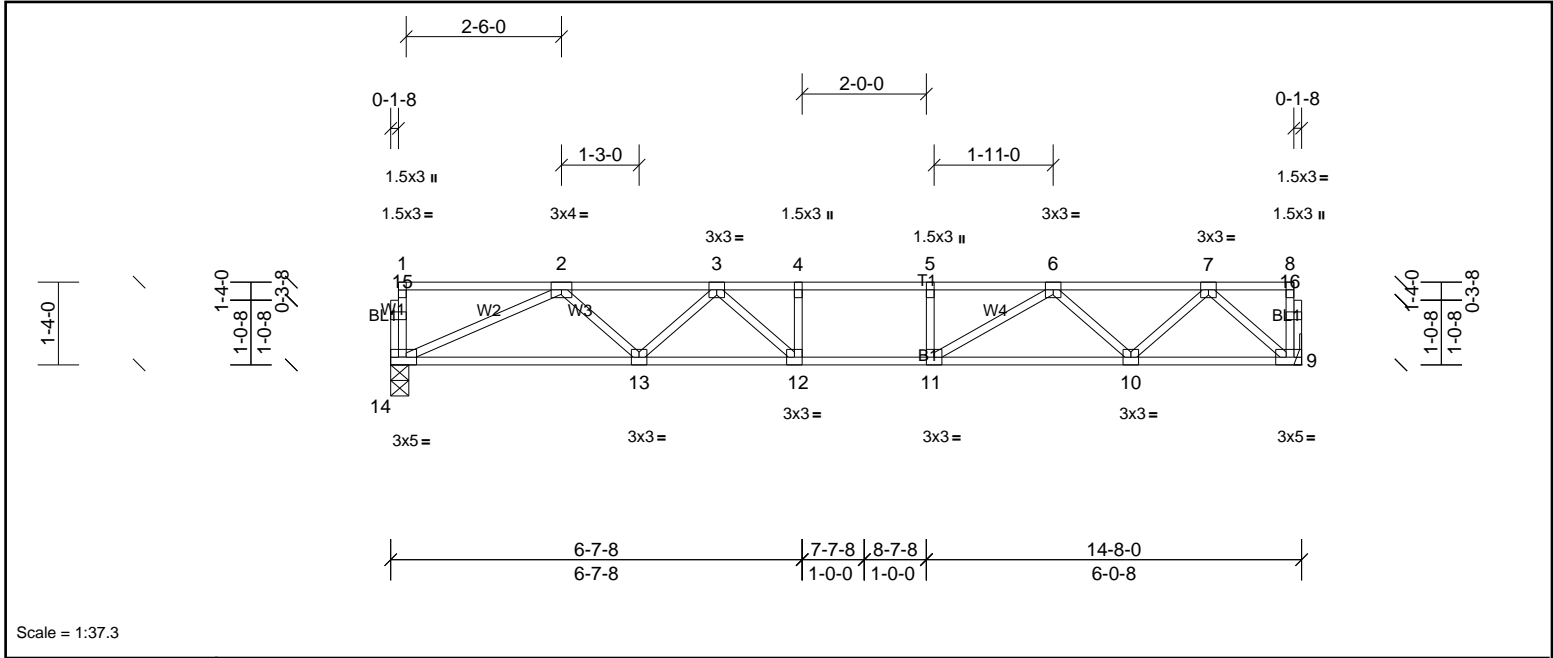
Job 72304971	Truss F208	Truss Type Truss	Qty 2	Ply 1	Prof - SMITHFIELD LC LH 2ND FLR OW Job Reference (optional)
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Scale = 1:37.3

Plate Offsets (X, Y): [9:0-2-0,Edge], [14:0-2-0,Edge]

Loading	(psf)	Spacing	1-4-0	CSI	DEFLL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.11	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.14	12-13	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 74 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)	9=524/ Mechanical, (min. 0-1-8), 14=524/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1228/0, 3-4=-1552/0, 4-5=-1552/0, 5-6=-1552/0, 6-7=-920/0	
BOT CHORD	13-14=0/970, 12-13=0/1455, 11-12=0/1552, 10-11=0/1257, 9-10=0/563	
WEBS	2-14=-1064/0, 2-13=0/359, 3-13=-316/0, 3-12=-39/304, 7-9=-748/0, 7-10=0/496, 6-10=-469/0, 6-11=0/454	

- 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.



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.



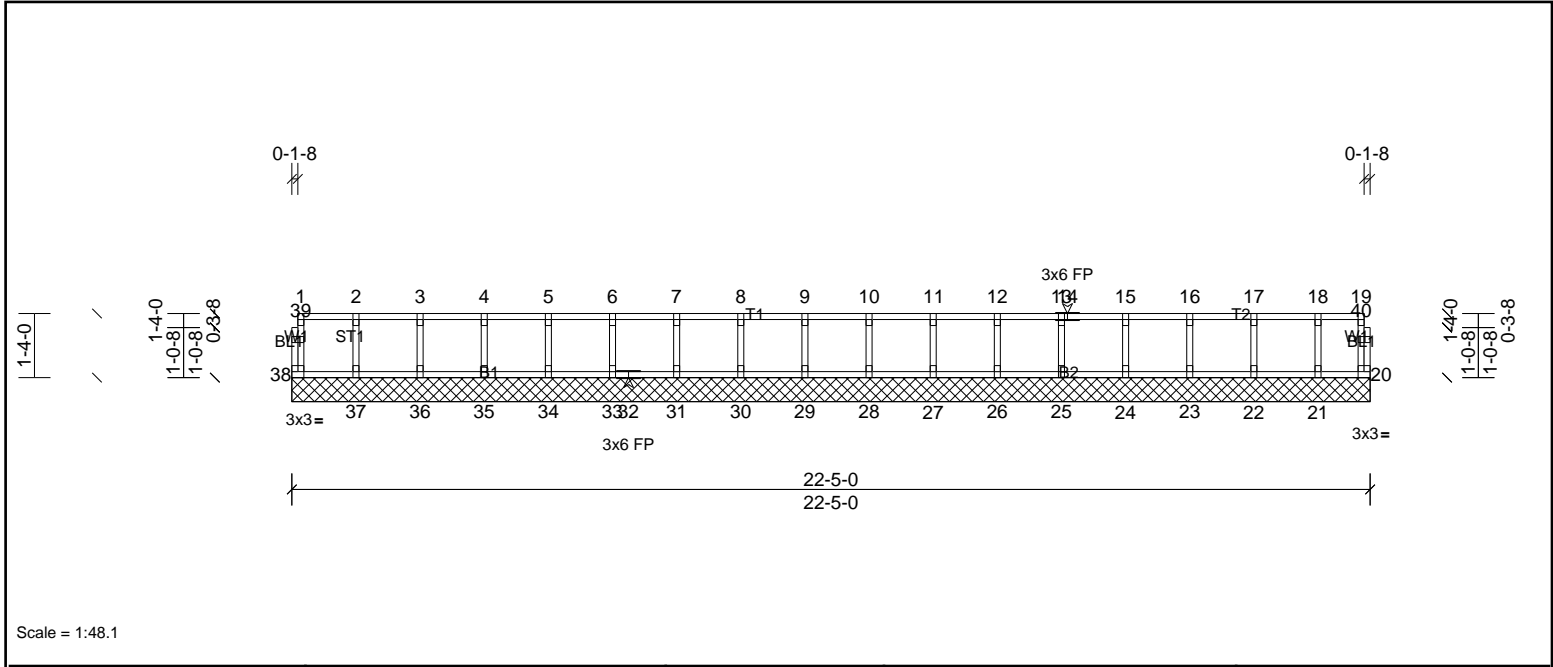
Job 72304971	Truss K200	Truss Type Truss	Qty 1	Ply 1	Prof - SMITHFIELD LC LH 2ND FLR OW Job Reference (optional)
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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	Horiz(TL)	0.00	20	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R						Weight: 98 lb	FT = 20%F, 11%E

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

REACTIONS All bearings 22-5-0.
 (lb) - Max Grav All reactions 250 (lb) or less at joint(s) 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38

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

- NOTES**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 2) Gable requires continuous bottom chord bearing.
 - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 4) Gable studs spaced at 1-4-0 oc.
 - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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.



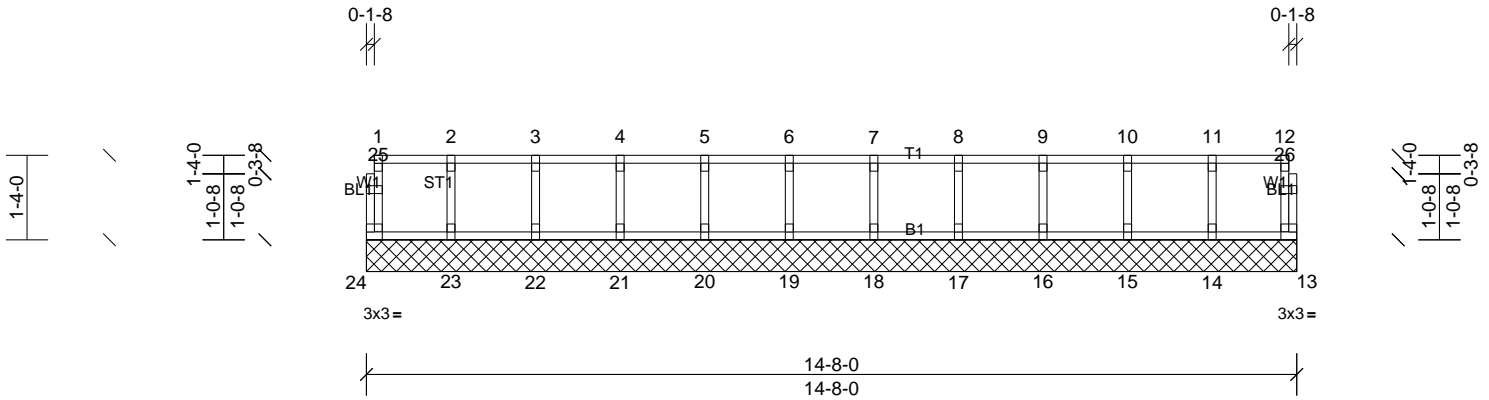
Job 72304971	Truss K201	Truss Type Truss	Qty 1	Ply 1	Prof - SMITHFIELD LC LH 2ND FLR OW Job Reference (optional)
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Scale = 1:36.5

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	13	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 65 lb	FT = 20%F, 11%E

LUMBER

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

BRACING

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

REACTIONS All bearings 14-8-0.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24

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

- NOTES**
- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 2) Gable requires continuous bottom chord bearing.
 - 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 4) Gable studs spaced at 1'-4-0 oc.
 - 5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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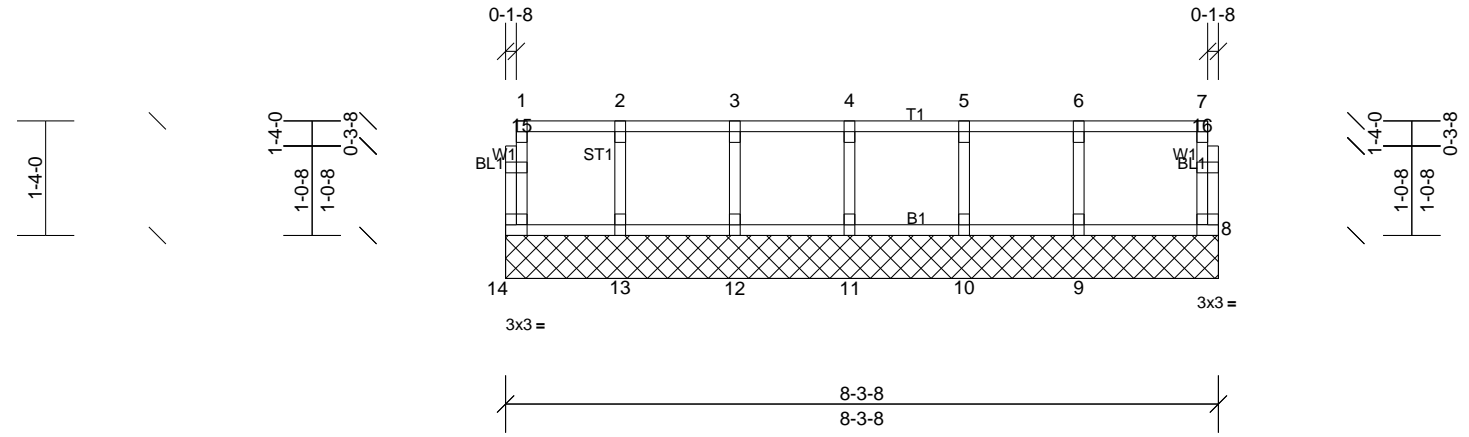
Job 72304971	Truss K202	Truss Type Truss	Qty 1	Ply 1	Prof - SMITHFIELD LC LH 2ND FLR OW Job Reference (optional)
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Scale = 1:26.9

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	Horiz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-R						Weight: 38 lb	FT = 20%F, 11%E

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

REACTIONS All bearings 8-3-8.
(lb) - Max Grav All reactions 250 (lb) or less at joint(s) 8, 9, 10, 11, 12, 13, 14

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

- NOTES**
- All plates are 1.5x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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