

Job 72323198	Truss A1	Truss Type Truss	Qty 6	Ply 1	LEE RESIDENCE Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Tue Jun 20 08:56:27

Page: 1

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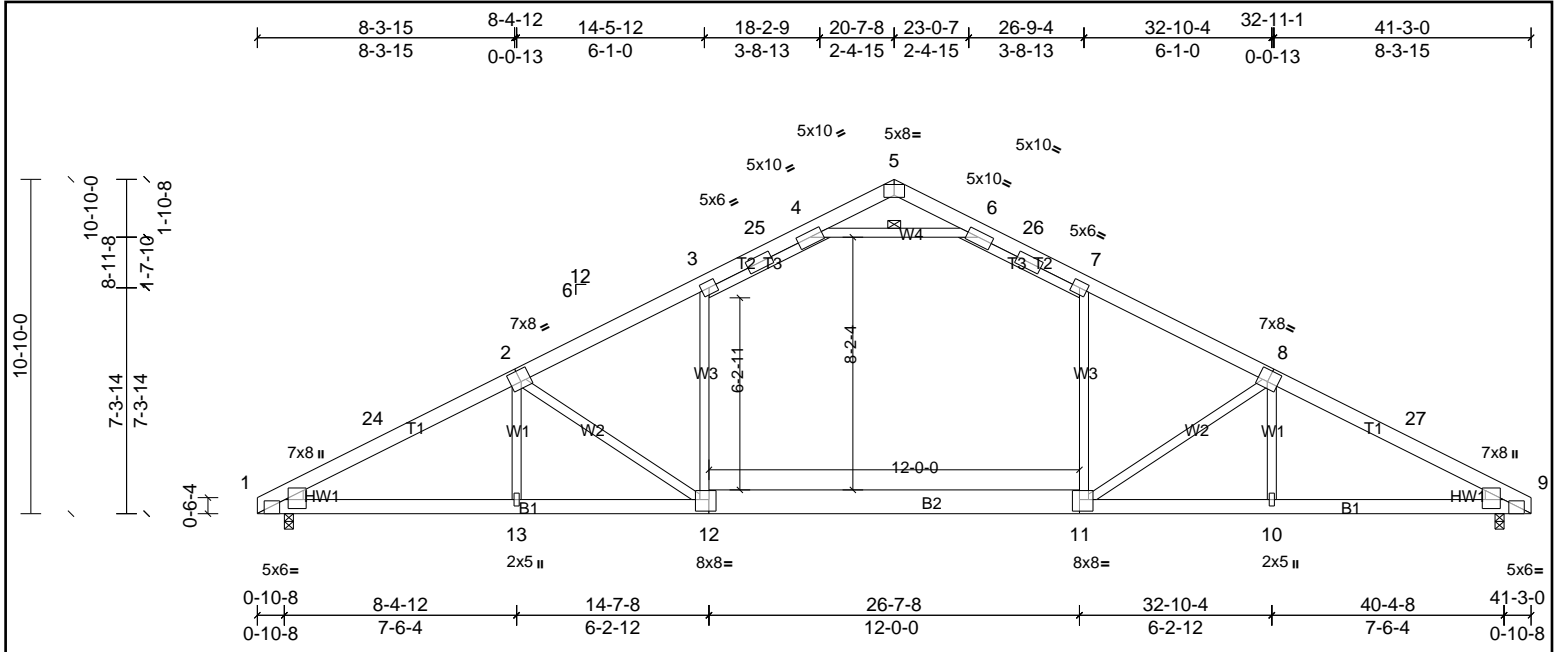


Plate Offsets (X, Y): [1:0-2-10,Edge], [1:0-1-14,0-11-15], [2:0-4-0,0-4-8], [4:0-4-7,0-2-6], [5:0-4-0,Edge], [6:0-3-14,0-2-4], [8:0-4-0,0-4-8], [9:0-2-10,Edge], [9:0-1-14,0-11-15], [11:0-2-12,0-3-8], [12:0-2-12,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	-0.49	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.80	11-12	>619	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.08	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.26	11-12	>560	360	Weight: 299 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP SS *Except* T1:2x6 SP No.2, T3:2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	2x6 SP No.1 *Except* B2:2x10 SP No.1	BOT CHORD	Rigid ceiling directly applied or 8-0-4 oc bracing.
WEBS	2x4 SP No.3 *Except* W3,W4:2x4 SP No.2	WEBS	1 Row at midpt
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2		4-6
REACTIONS	(lb/size) 1=1711/0-3-8, (min. 0-2-3), 9=1711/0-3-8, (min. 0-2-3) Max Horiz 1=245 (LC 11) Max Uplift 1=452 (LC 10), 9=452 (LC 11) Max Grav 1=1865 (LC 2), 9=1865 (LC 2)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-24=3153/756, 2-24=3013/779, 2-3=2798/705, 3-25=2275/694, 4-25=2194/718, 4-5=212/1248, 5-6=212/1248, 6-26=2194/718, 7-26=2275/694, 7-8=2798/705, 8-27=3013/779, 9-27=3153/756 BOT CHORD 1-13=754/2740, 12-13=754/2741, 11-12=319/2359, 10-11=543/2741, 9-10=543/2740 WEBS 7-11=43/909, 8-11=763/530, 3-12=43/909, 2-12=763/529, 4-6=3754/950		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-0 to 4-1-8, Interior (1) 4-1-8 to 16-6-0, Exterior (2) 16-6-0 to 24-9-0, Interior (1) 24-9-0 to 37-1-8, Exterior (2) 37-1-8 to 41-3-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-6
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 11-12
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 452 lb uplift at joint 1 and 452 lb uplift at joint 9.
 - 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.
 - Attic room checked for L/360 deflection.



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 72323198	Truss A1G	Truss Type Truss	Qty 1	Ply 1	LEE RESIDENCE Job Reference (optional)
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Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Tue Jun 20 08:56:27

Page: 1

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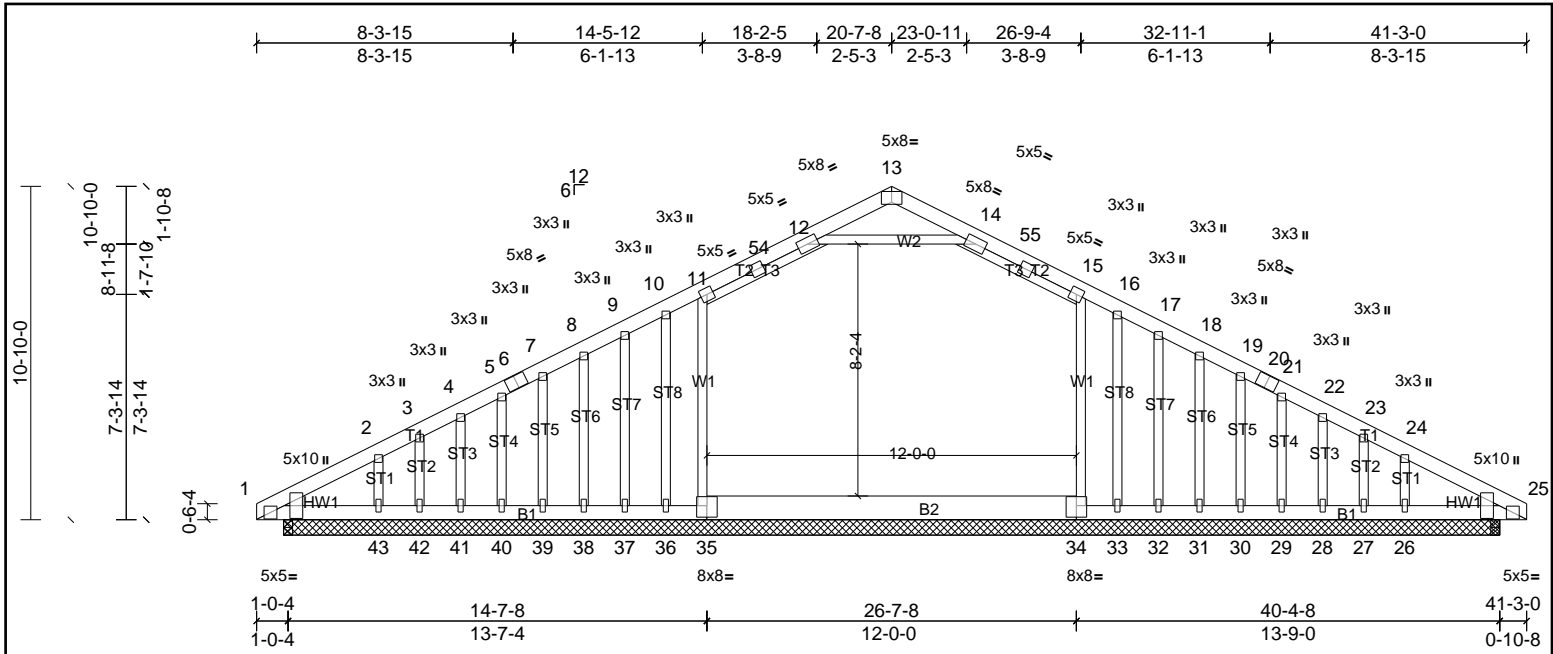


Plate Offsets (X, Y): [1:0-2-14,0-0-3], [13:0-4-0,Edge], [25:0-2-14,0-0-3], [34:0-4-0,0-3-8], [35:0-4-0,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	-0.05	34-35	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.08	34-35	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.01	25	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 361 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x6 SP No.2 *Except* T3:2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.2 *Except* B2:2x10 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* W2:2x4 SP No.2	
OTHERS 2x4 SP No.3	
WEDGE Left: 2x4 SP No.2 Right: 2x4 SP No.2	
REACTIONS All bearings 39-6-0. (lb) - Max Horiz 1=245 (LC 11), 46=245 (LC 11) Max Uplift All uplift 100 (lb) or less at joint(s) 1, 25, 27, 28, 29, 30, 31, 32, 35, 37, 38, 39, 40, 41, 42, 46, 51 except 26=183 (LC 11), 33=635 (LC 16), 36=635 (LC 16), 43=192 (LC 10) Max Grav All reactions 250 (lb) or less at joint(s) 26, 27, 28, 29, 30, 31, 32, 33, 36, 37, 38, 39, 40, 41, 42, 43 except 1=465 (LC 1), 25=465 (LC 1), 34=1019 (LC 19), 35=1036 (LC 18), 46=465 (LC 1), 51=465 (LC 1)	
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-490/230, 2-3=-463/329, 3-4=-464/364, 4-5=-464/408, 5-6=-464/447, 6-7=-432/454, 7-8=-465/500, 8-9=-466/546, 9-10=-446/579, 10-11=-413/599, 11-54=-516/715, 12-54=-439/729, 12-13=-303/325, 13-14=-303/325, 14-55=-439/729, 15-55=-516/715, 15-16=-413/599, 16-17=-446/579, 17-18=-466/546, 18-19=-465/500, 19-20=-432/454, 20-21=-464/447, 21-22=-464/408, 22-23=-464/364, 23-24=-463/329, 24-25=-490/230 BOT CHORD 1-43=-147/411, 42-43=-72/411, 41-42=-72/411, 40-41=-72/411, 39-40=-72/411, 38-39=-72/411, 37-38=-72/411, 36-37=-72/411, 35-36=-72/411, 34-35=-66/406, 33-34=-72/409, 32-33=-72/409, 31-32=-72/409, 30-31=-72/409, 29-30=-72/409, 28-29=-72/409, 27-28=-72/409, 26-27=-72/409, 25-26=-72/409 WEBS 15-34=-326/265, 11-35=-326/265, 12-14=-179/470	

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-0-0 to 3-11-8, Exterior (2) 3-11-8 to 16-6-0, Corner (3) 16-6-0 to 24-9-0, Exterior (2) 24-9-0 to 37-1-8, Corner (3) 37-1-8 to 41-3-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only.
 - All plates are 3x3 MT20 unless otherwise indicated.
 - Gable studs spaced at 1-4-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 35, 37, 38, 39, 40, 41, 42, 32, 31, 30, 29, 28, 27, 1, 25, 1, 25 except (jt=lb) 36=634, 43=191, 33=634, 26=182.
 - 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.
 - Attic room checked for L/360 deflection.



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 72323198	Truss A2	Truss Type Truss	Qty 6	Ply 1	LEE RESIDENCE Job Reference (optional)
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Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Tue Jun 20 08:56:28

Page: 1

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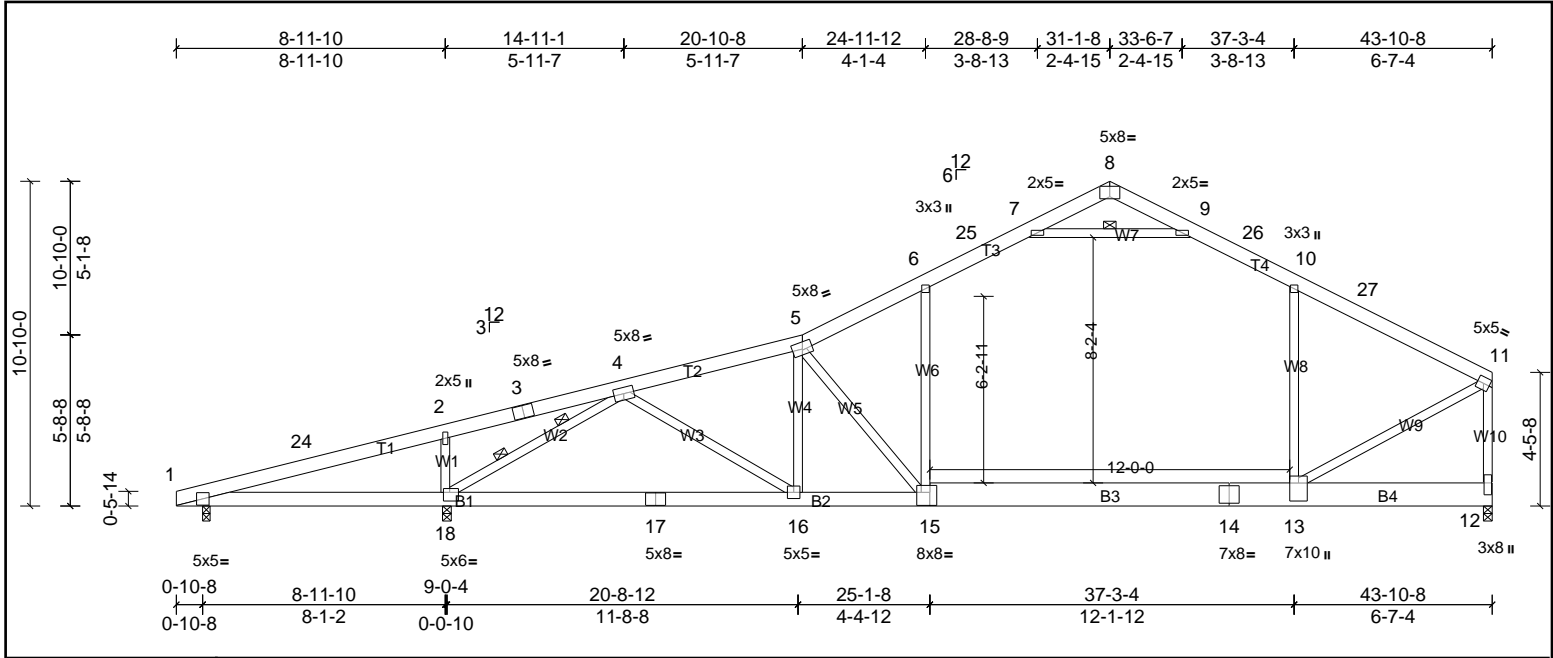


Plate Offsets (X, Y): [5:0-4-0,0-2-12], [8:0-4-0,Edge], [12:0-4-12,0-1-8], [13:0-7-4,0-3-8], [15:0-2-12,0-2-12], [18:0-2-8,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.99	Vert(LL)	0.48	15-16	>873	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.77	15-16	>545	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.98	Horz(CT)	-0.02	18	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.20	13-15	>715	360	Weight: 326 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP No.2 *Except* T3,T4;2x6 SP No.1	TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	2x10 SP No.2 *Except* B2;2x6 SP No.1, B1;2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W8,W7,W6;2x4 SP No.2	WEBS	1 Row at midpt
		WEBS	2 Rows at 1/3 pts
REACTIONS	(lb/size) 1=337/0-3-0, (min. 0-1-8), 12=1314/0-3-8, (min. 0-1-14), 18=2685/0-3-8, (min. 0-3-6)		
	Max Horiz 1=341 (LC 7)		
	Max Uplift 1=656 (LC 18), 12=293 (LC 11), 18=925 (LC 10)		
	Max Grav 1=168 (LC 10), 12=1578 (LC 2), 18=2884 (LC 2)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-24=1051/2797, 2-24=1046/2869, 2-3=935/2744, 3-4=919/2802, 4-5=1817/485, 5-6=1786/515, 6-25=1421/514, 7-25=1339/538, 7-8=35/596, 8-9=54/553, 9-26=1402/558, 10-26=1483/546, 10-27=1604/446, 11-27=1702/427, 11-12=1785/457		
BOT CHORD	1-18=2714/806, 17-18=237/618, 16-17=237/618, 15-16=294/1757, 14-15=151/1439, 13-14=150/1439		
WEBS	10-13=169/369, 7-9=2006/599, 11-13=226/1660, 2-18=600/401, 4-18=3760/1124, 5-16=487/159, 6-15=110/664, 5-15=653/254, 4-16=174/1396		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-0 to 4-4-10, Interior (1) 4-4-10 to 26-8-14, Exterior (2) 26-8-14 to 35-6-2, Interior (1) 35-6-2 to 39-4-2, Exterior (2) 39-4-2 to 43-8-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 5-6, 6-7, 9-10, 7-9
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-15
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 293 lb uplift at joint 12, 925 lb uplift at joint 18 and 656 lb uplift at joint 1.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Attic room checked for L/360 deflection.



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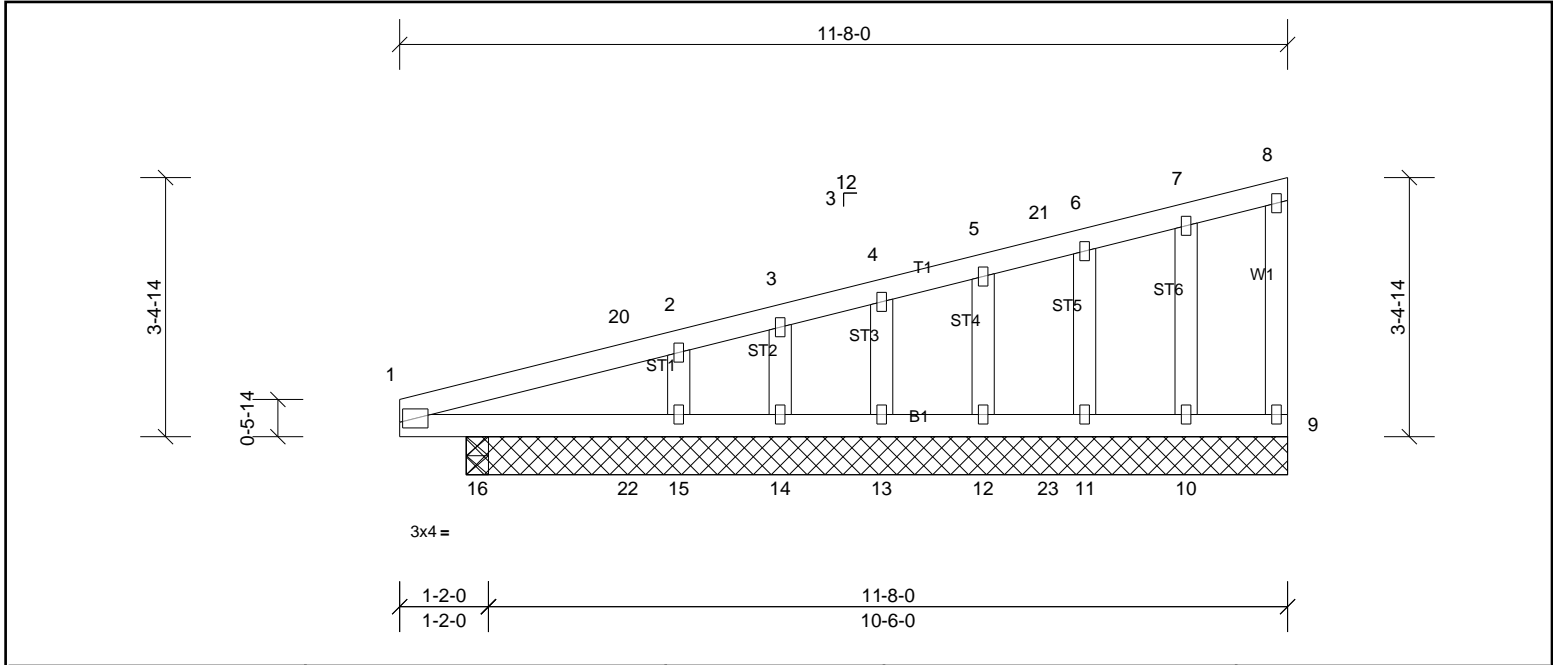
Job 72323198	Truss A2G	Truss Type Truss	Qty 2	Ply 1	LEE RESIDENCE Job Reference (optional)
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Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Tue Jun 20 08:56:28

Page: 1

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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	0.00	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	0.00	15-16	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 55 lb	FT = 20%

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

REACTIONS
 All bearings 10-9-8. except 16=0-3-8
 (lb) - Max Horiz 15=174 (LC 9)
 Max Uplift All uplift 100 (lb) or less at joint(s) 9, 10, 11, 12, 13, 14, 16 except 15=152 (LC 7)
 Max Grav All reactions 250 (lb) or less at joint(s) 9, 10, 11, 12, 13, 14, 15, 16

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

- NOTES**
- 1) Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-0-0 to 3-0-0, Exterior (2) 3-0-0 to 8-6-4, Corner (3) 8-6-4 to 11-6-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only.
 - 3) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 4) Gable studs spaced at 1-4-0 oc.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 10, 11, 12, 13, 14, 16 except (jt=lb) 15=151.
 - 8) 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.



Job 72323198	Truss A3	Truss Type Truss	Qty 6	Ply 1	LEE RESIDENCE Job Reference (optional)
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Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Tue Jun 20 08:56:29

Page: 1

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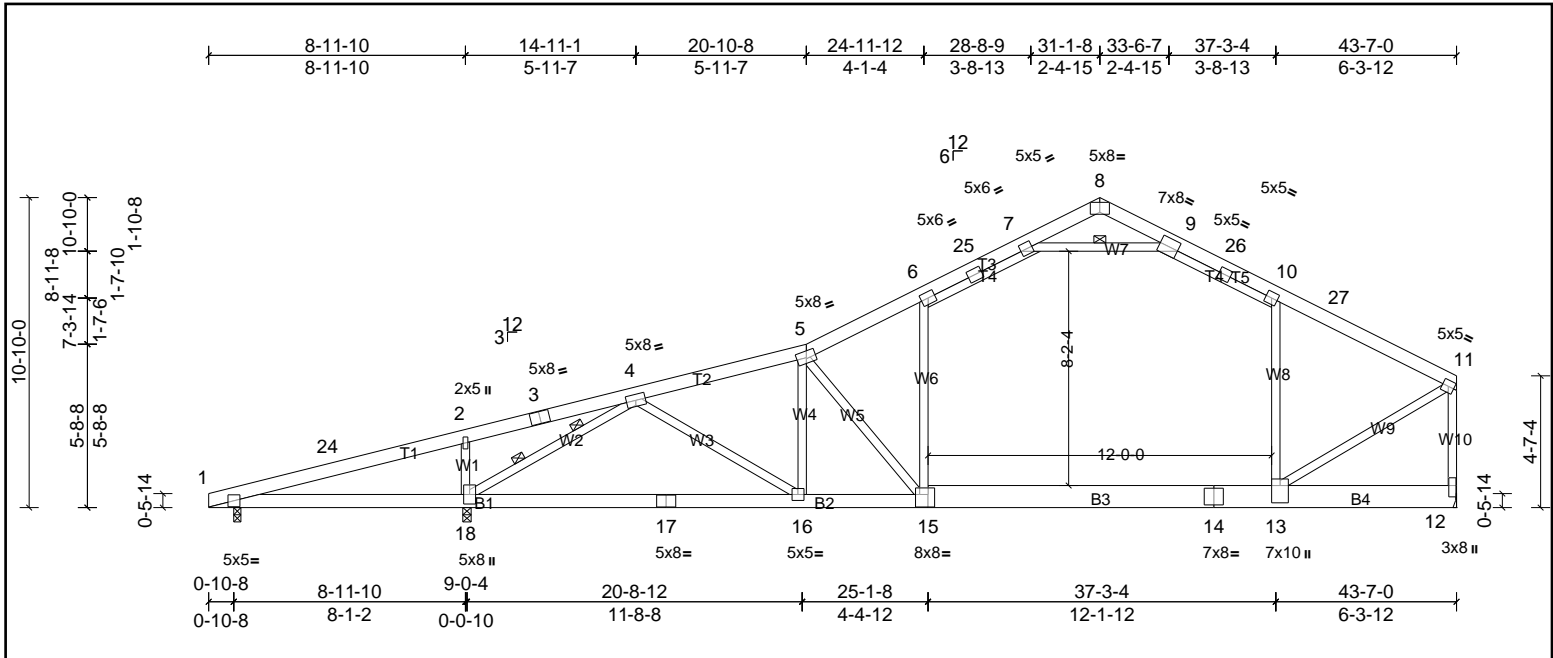


Plate Offsets (X, Y): [5:0-4-0,0-2-12], [7:0-0-13,0-2-2], [8:0-4-0,Edge], [12:0-4-12,0-1-8], [13:0-7-4,0-3-8], [15:0-2-12,0-2-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	0.44	15-16	>942	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.70	15-16	>592	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.94	Horz(CT)	-0.02	18	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.19	13-15	>761	360	Weight: 337 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x6 SP No.2 *Except* T3:2x6 SP SS, T5:2x6 SP No.1, T4:2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x10 SP No.2 *Except* B1:2x6 SP No.2, B2:2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3 *Except* W6,W8,W7:2x4 SP No.2	WEBS 1 Row at midpt 7-9 2 Rows at 1/3 pts 4-18
REACTIONS	
(lb/size) 1=278/0-3-0, (min. 0-1-8), 12=1316/ Mechanical, (min. 0-1-8), 18=2601/0-3-8, (min. 0-3-5)	
Max Horiz 1=347 (LC 7)	
Max Uplift 1=588 (LC 18), 12=288 (LC 11), 18=891 (LC 10)	
Max Grav 1=142 (LC 10), 12=1589 (LC 2), 18=2774 (LC 2)	
FORCES	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD 1-24=959/2519, 2-24=954/2589, 2-3=844/2467, 3-4=829/2525, 4-5=1870/498, 5-6=1803/522, 6-25=1403/510, 7-25=1355/534, 7-8=41/603, 8-9=59/539, 9-26=1412/562, 10-26=1493/549, 10-27=1583/443, 11-27=1666/425, 11-12=1820/457	
BOT CHORD 1-18=2444/718, 17-18=246/705, 16-17=246/705, 15-16=318/1808, 14-15=155/1434, 13-14=155/1434	
WEBS 2-18=591/397, 4-18=3590/1070, 4-16=151/1328, 5-16=456/152, 5-15=728/287, 6-15=114/724, 10-13=195/327, 7-9=1988/601, 11-13=240/1703	

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-0 to 4-4-5, Interior (1) 4-4-5 to 26-9-3, Exterior (2) 26-9-3 to 35-5-13, Interior (1) 35-5-13 to 39-0-15, Exterior (2) 39-0-15 to 43-5-4 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 5-6, 6-7, 9-10, 7-9
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-15
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 891 lb uplift at joint 18, 288 lb uplift at joint 12 and 588 lb uplift at joint 1.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Attic room checked for L/360 deflection.



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 72323198	Truss A4	Truss Type Truss	Qty 3	Ply 1	LEE RESIDENCE Job Reference (optional)
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Page: 1

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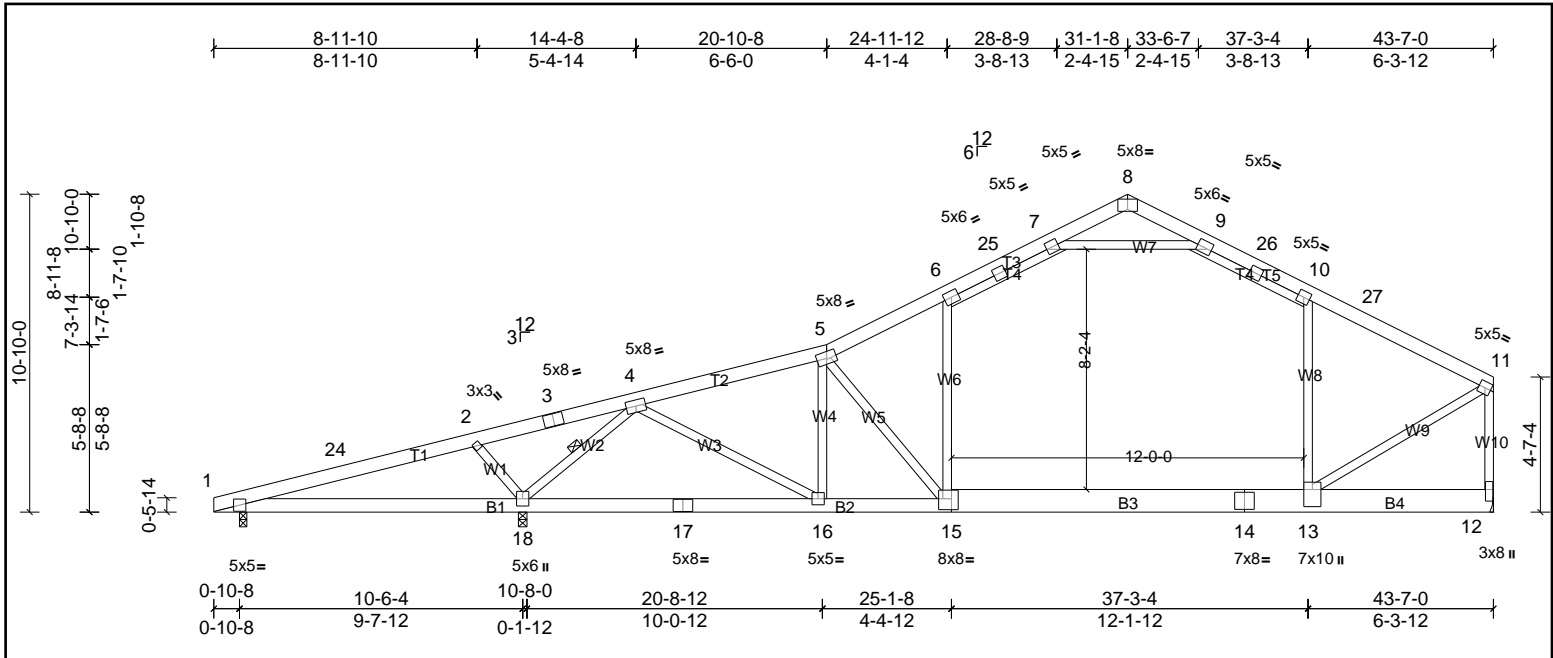


Plate Offsets (X, Y): [5:0-4-0,0-2-12], [7:0-0-13,0-2-2], [8:0-4-0,Edge], [9:0-3-14,Edge], [12:0-4-12,0-1-8], [13:0-7-0,0-3-8], [15:0-2-12,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	0.31	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.51	13-15	>781	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.73	Horz(CT)	-0.02	18	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.16	13-15	>901	360	Weight: 336 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x6 SP No.2 *Except* T3,T5:2x6 SP No.1, T4:2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-9-8 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2 *Except* B4,B3:2x10 SP No.2	BOT CHORD Rigid ceiling directly applied or 4-7-11 oc bracing.
WEBS 2x4 SP No.3 *Except* W6,W8,W7:2x4 SP No.2	WEBS 1 Row at midpt
REACTIONS	
(lb/size)	1=137/0-3-0, (min. 0-1-8), 12=1234/ Mechanical, (min. 0-1-8), 18=2542/0-3-8, (min. 0-3-4)
Max Horiz	1=347 (LC 7)
Max Uplift	1=501 (LC 18), 12=282 (LC 11), 18=884 (LC 10)
Max Grav	1=104 (LC 10), 12=1500 (LC 2), 18=2723 (LC 2)
FORCES	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	1-24=813/2154, 2-24=807/2224, 2-3=948/2441, 3-4=934/2502, 4-5=1466/411, 5-6=1611/477, 6-25=1293/485, 7-25=1212/510, 7-8=29/538, 8-9=50/497, 9-26=1272/531, 10-26=1353/518, 10-27=1431/410, 11-27=1529/392, 11-12=1668/423
BOT CHORD	1-18=2090/576, 17-18=297/122, 16-17=297/122, 15-16=193/1407, 14-15=144/1295, 13-14=144/1295
WEBS	4-16=328/1767, 5-16=713/209, 5-15=343/190, 6-15=96/578, 10-13=208/309, 7-9=1768/552, 11-13=202/1532, 2-18=584/383, 4-18=2945/978

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-0 to 4-4-5, Interior (1) 4-4-5 to 26-9-3, Exterior (2) 26-9-3 to 35-5-13, Interior (1) 35-5-13 to 39-0-15, Exterior (2) 39-0-15 to 43-5-4 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 5-6, 6-7, 9-10, 7-9
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-15
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 282 lb uplift at joint 12, 884 lb uplift at joint 18 and 501 lb uplift at joint 1.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Attic room checked for L/360 deflection.



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 72323198	Truss A5	Truss Type Truss	Qty 4	Ply 1	LEE RESIDENCE Job Reference (optional)
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Page: 1

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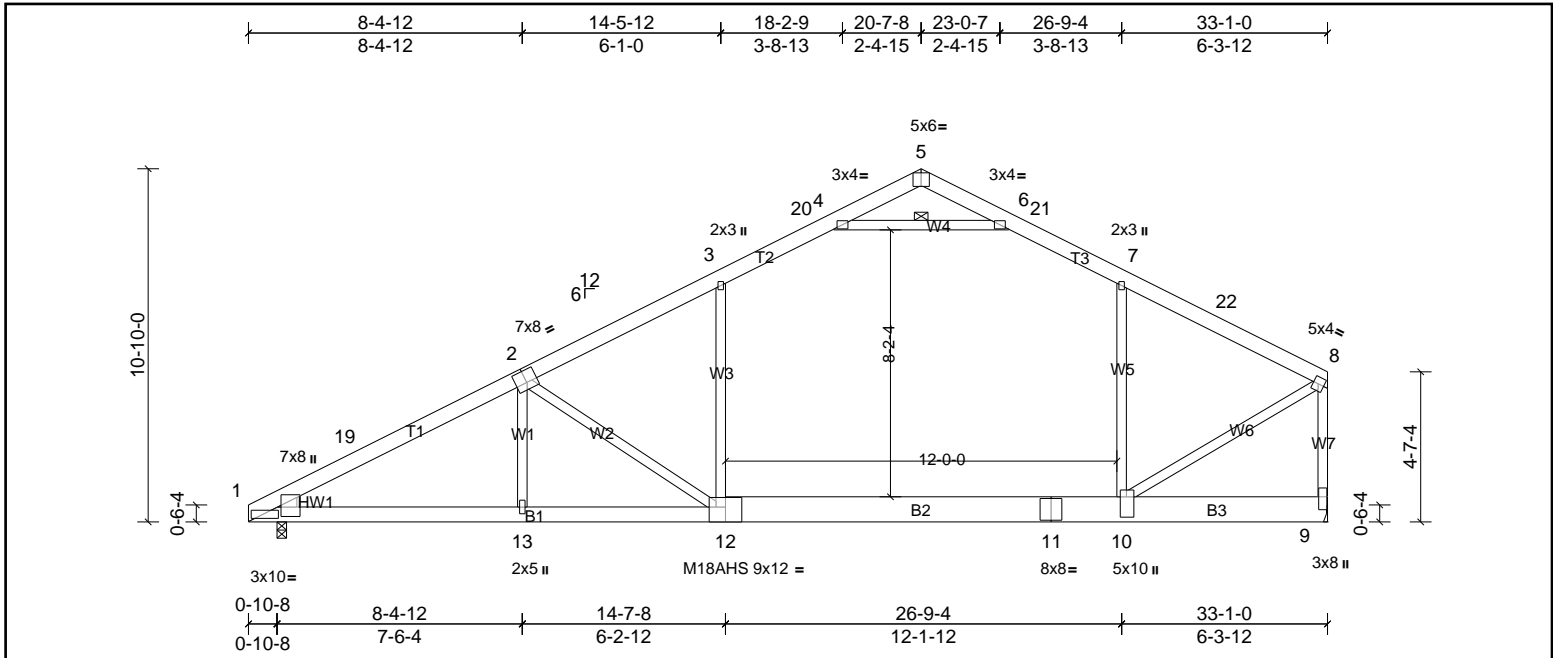


Plate Offsets (X, Y): [1:0-11-0,0-1-3], [1:0-1-14,0-11-15], [2:0-4-0,0-4-8], [5:0-3-0,Edge], [8:0-1-12,0-2-8], [9:0-4-12,0-1-8], [10:0-7-8,0-2-4], [12:0-6-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	0.61	12-13	>644	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.92	12-13	>430	180	M18AHS	186/179
BCLL	0.0*	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.27	10-12	>534	360	Weight: 254 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP SS *Except* T1:2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-1-1 oc purlins, except end verticals.
BOT CHORD	2x10 SP No.1 *Except* B1:2x6 SP SS, B2:2x10 SP No.2	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W5,W4,W3:2x4 SP No.2	WEBS	1 Row at midpt
WEDGE	Left: 2x4 SP No.2		4-6

REACTIONS	
(lb/size)	1=1401/0-3-8, (min. 0-1-13), 9=1357/ Mechanical, (min. 0-1-8)
Max Horiz	1=337 (LC 7)
Max Uplift	1=398 (LC 10), 9=-287 (LC 11)
Max Grav	1=1510 (LC 2), 9=1648 (LC 2)

FORCES	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	1-19=-2523/603, 2-19=-2383/637, 2-3=-1905/485, 3-20=-1518/500, 4-20=-1437/524, 4-5=-119/697, 5-6=-46/644, 6-21=-1511/544, 7-21=-1592/540, 7-22=-1738/447, 8-22=-1811/429, 8-9=-1982/460
BOT CHORD	1-13=-688/2210, 12-13=-687/2208, 11-12=-230/1568, 10-11=-227/1559
WEBS	7-10=-165/407, 4-6=-2250/603, 8-10=-338/1845, 3-12=0/665, 2-12=-909/557, 2-13=-64/363

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-0 to 3-3-11, Interior (1) 3-3-11 to 17-3-13, Exterior (2) 17-3-13 to 23-11-3, Interior (1) 23-11-3 to 29-7-9, Exterior (2) 29-7-9 to 32-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-6
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-12
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 287 lb uplift at joint 9 and 398 lb uplift at joint 1.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Attic room checked for L/360 deflection.



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 72323198	Truss B1	Truss Type Truss	Qty 6	Ply 1	LEE RESIDENCE Job Reference (optional)
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Page: 1

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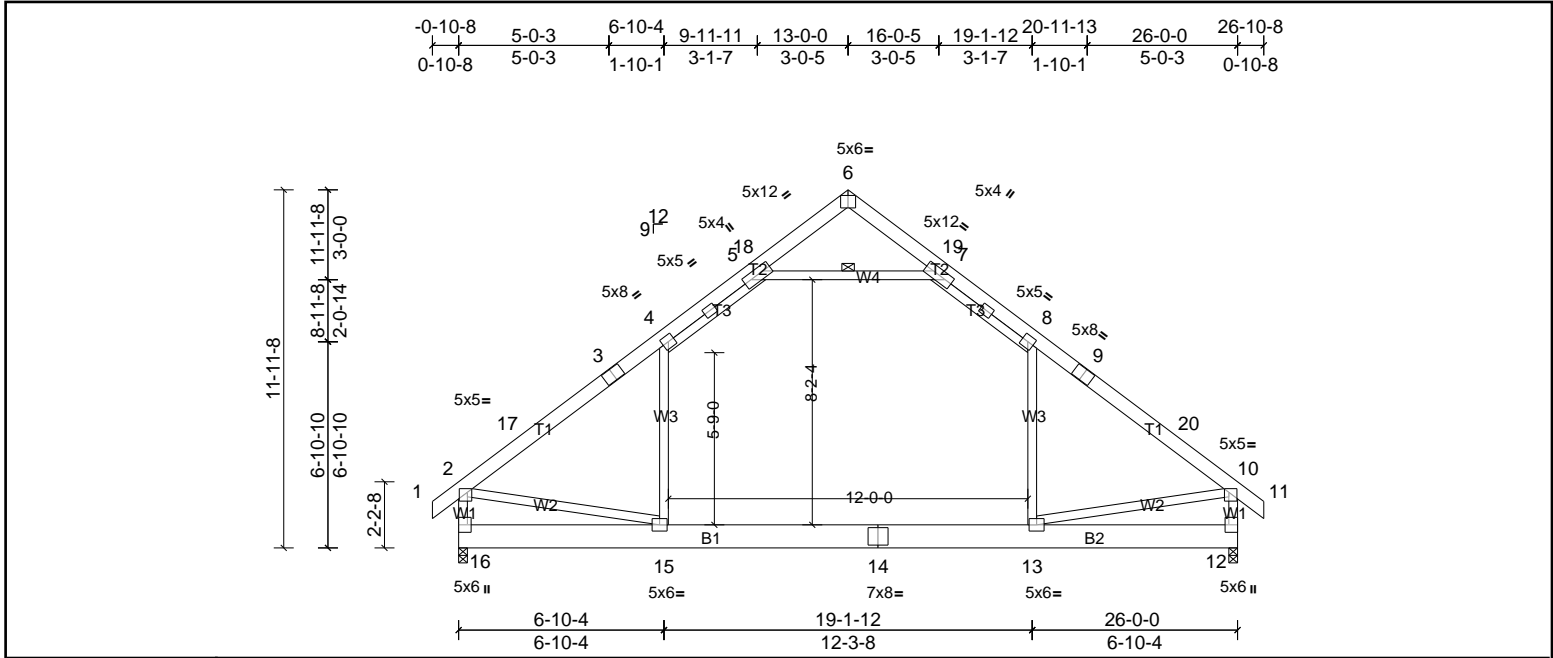


Plate Offsets (X, Y): [2:0-1-12,0-1-8], [6:0-3-0,Edge], [10:0-1-12,0-1-8], [12:Edge,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.30	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.42	13-15	>734	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.17	13-15	>887	360	Weight: 247 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP No.1 *Except* T1:2x6 SP No.2, T3:2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-2-2 oc purlins, except end verticals.
BOT CHORD	2x10 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W3,W4:2x4 SP No.2	WEBS	1 Row at midpt 5-7
REACTIONS	(lb/size) 12=1151/0-3-8, (min. 0-1-11), 16=1151/0-3-8, (min. 0-1-11) Max Horiz 16=-451 (LC 8) Max Uplift 12=-265 (LC 11), 16=-265 (LC 10) Max Grav 12=1430 (LC 19), 16=1430 (LC 18)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-17=-1662/285, 3-17=-1511/296, 3-4=-1480/319, 4-5=-1155/378, 5-18=-75/301, 6-18=-73/337, 6-19=-73/337, 7-19=-75/301, 7-8=-1155/378, 8-9=-1480/318, 9-20=-1511/296, 10-20=-1661/284, 2-16=-1437/326, 10-12=-1437/326 BOT CHORD 15-16=-465/562, 14-15=-91/1257, 13-14=-91/1257 WEBS 8-13=-69/577, 4-15=-70/577, 5-7=-1479/509, 2-15=-84/1138, 10-13=-88/1141		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 10-0-0, Exterior (2) 10-0-0 to 16-0-0, Interior (1) 16-0-0 to 23-10-8, Exterior (2) 23-10-8 to 26-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-7
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-15
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 265 lb uplift at joint 16 and 265 lb uplift at joint 12.
 - 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.
 - Attic room checked for L/360 deflection.



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 72323198	Truss B1G	Truss Type Truss	Qty 2	Ply 1	LEE RESIDENCE Job Reference (optional)
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Page: 1

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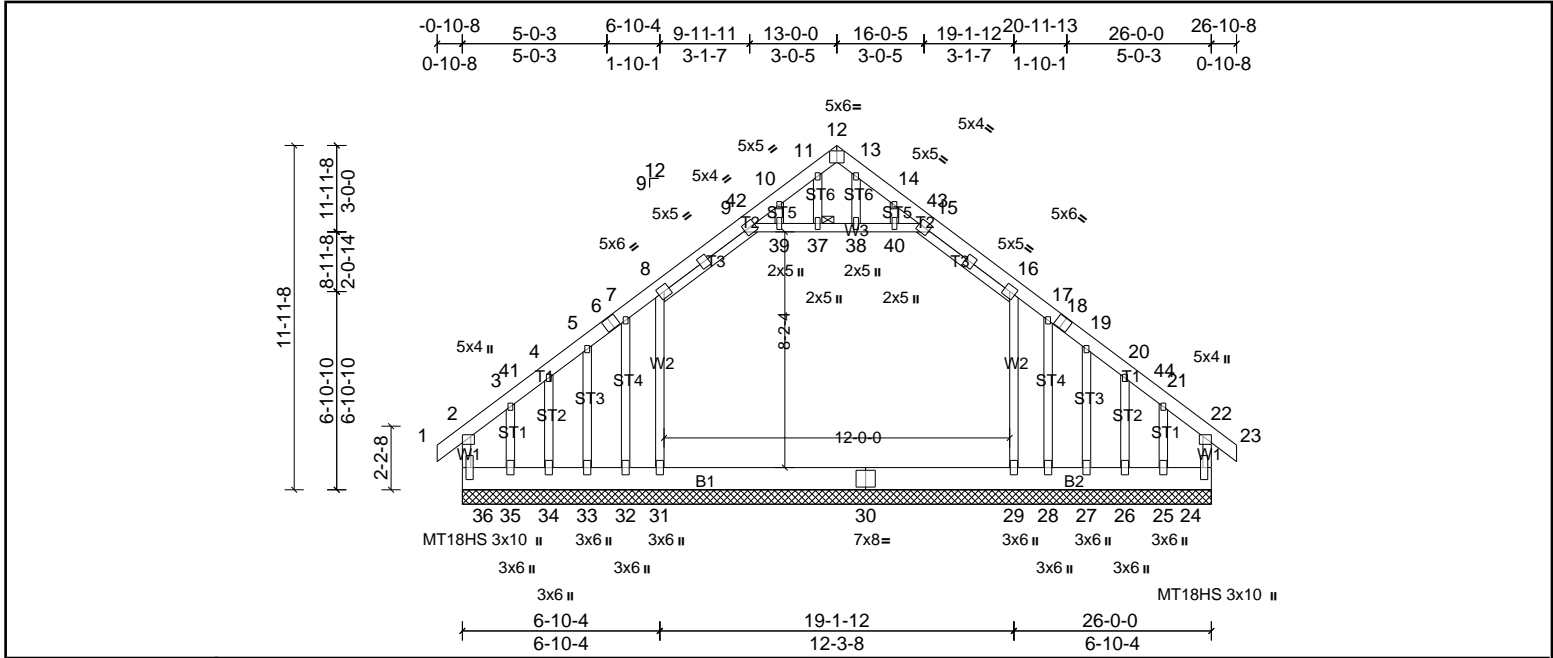


Plate Offsets (X, Y): [2:0-2-0,0-1-12], [12:0-3-0,Edge], [22:0-2-0,0-1-12], [24:0-5-0,0-1-0], [36:0-5-0,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	n/a	-	n/a	999	MT18HS 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	n/a	-	n/a	999	MT20 244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.00	24	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 280 lb FT = 20%

LUMBER	BRACING
TOP CHORD 2x6 SP No.2 *Except* T3:2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x10 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except* W1:2x4 SP No.3	JOINTS 1 Brace at Jt(s): 37
OTHERS 2x4 SP No.3	

REACTIONS

All bearings 26-0-0.

(lb) - Max Horiz 36=451 (LC 9)

Max Uplift All uplift 100 (lb) or less at joint(s) 26, 27, 33, 34 except 24=-274 (LC 7), 25=-411 (LC 6), 28=-956 (LC 16), 32=-956 (LC 16), 35=-423 (LC 7), 36=-289 (LC 6)

Max Grav All reactions 250 (lb) or less at joint(s) 26, 27, 28, 32, 33, 34 except 24=657 (LC 18), 25=315 (LC 9), 29=1575 (LC 19), 31=1584 (LC 18), 35=327 (LC 8), 36=669 (LC 19)

FORCES

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

TOP CHORD 2-36=-440/184, 2-3=-465/233, 3-41=-327/178, 4-41=-318/184, 4-5=-325/222, 5-6=-294/272, 6-7=-279/275, 7-8=-285/358, 8-9=-510/342, 9-42=-361/80, 10-42=-348/87, 10-11=-371/79, 11-12=-275/90, 12-13=-275/91, 13-14=-371/80, 14-43=-348/88, 15-43=-361/81, 15-16=-510/342, 16-17=-285/353, 17-18=-279/271, 18-19=-294/268, 19-20=-318/219, 20-44=-311/181, 21-44=-320/174, 21-22=-456/221, 22-24=-432/174

BOT CHORD 35-36=-162/300, 34-35=-162/300, 33-34=-162/300, 32-33=-162/300, 31-32=-162/300, 30-31=-162/300, 29-30=-162/300, 28-29=-162/300, 27-28=-162/300, 26-27=-162/300, 25-26=-162/300, 24-25=-162/300

WEBS 16-29=-629/104, 8-31=-638/109, 9-39=-193/367, 37-39=-193/366, 37-38=-193/366, 38-40=-193/366, 15-40=-193/367

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 10-0-0, Exterior (2) 10-0-0 to 16-0-0, Interior (1) 16-0-0 to 23-10-8, Exterior (2) 23-10-8 to 26-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 2x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 1-4-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCCL = 10.0psf.
 - Ceiling dead load (5.0 psf) on member(s). 8-9, 15-16, 9-39, 37-39, 37-38, 38-40, 15-40
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 33, 34, 27, 26 except (jt=lb) 36=289, 24=273, 32=956, 35=422, 28=956, 25=410.
 - 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.
 - Attic room checked for L/360 deflection.



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 72323198	Truss B2	Truss Type Truss	Qty 16	Ply 1	LEE RESIDENCE Job Reference (optional)
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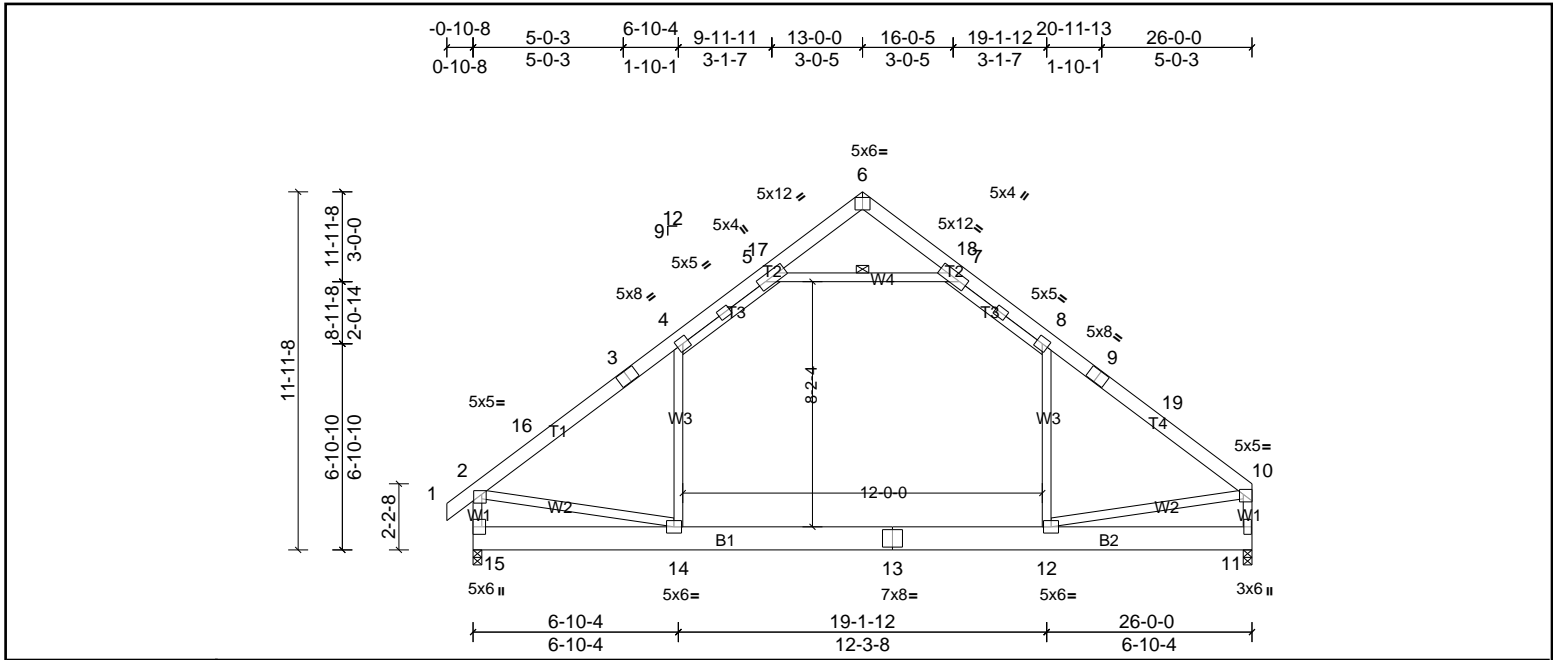


Plate Offsets (X, Y): [2:0-1-12,0-1-8], [6:0-3-0,Edge], [10:Edge,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.30	12-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.42	12-14	>730	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.17	12-14	>885	360	Weight: 245 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP No.1 *Except* T1,T4;2x6 SP No.2, T3;2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-11-2 oc purlins, except end verticals.
BOT CHORD	2x10 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W3,W4;2x4 SP No.2	WEBS	1 Row at midpt
REACTIONS	(lb/size) 11=1089/0-3-8, (min. 0-1-10), 15=1152/0-3-8, (min. 0-1-11) Max Horiz 15=441 (LC 7) Max Uplift 11=-230 (LC 11), 15=-264 (LC 10) Max Grav 11=1369 (LC 19), 15=1431 (LC 18)		5-7
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-16=-1665/283, 3-16=-1515/295, 3-4=-1484/317, 4-5=-1156/378, 5-17=-77/305, 6-17=-74/341, 6-18=-74/339, 7-18=-77/303, 7-8=-1158/381, 8-9=-1478/314, 9-19=-1508/290, 10-19=-1659/288, 2-15=-1440/328, 10-11=-1401/264 BOT CHORD 14-15=-476/545, 13-14=-108/1247, 12-13=-108/1247 WEBS 8-12=-71/567, 4-14=-70/579, 5-7=-1489/517, 2-14=-83/1140, 10-12=-100/1163		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 10-0-0, Exterior (2) 10-0-0 to 16-0-0, Interior (1) 16-0-0 to 22-10-4, Exterior (2) 22-10-4 to 25-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-7
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-14
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 264 lb uplift at joint 15 and 230 lb uplift at joint 11.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Attic room checked for L/360 deflection.



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 72323198	Truss B3	Truss Type Truss	Qty 2	Ply 2	LEE RESIDENCE Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Hannah Hill

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Page: 1

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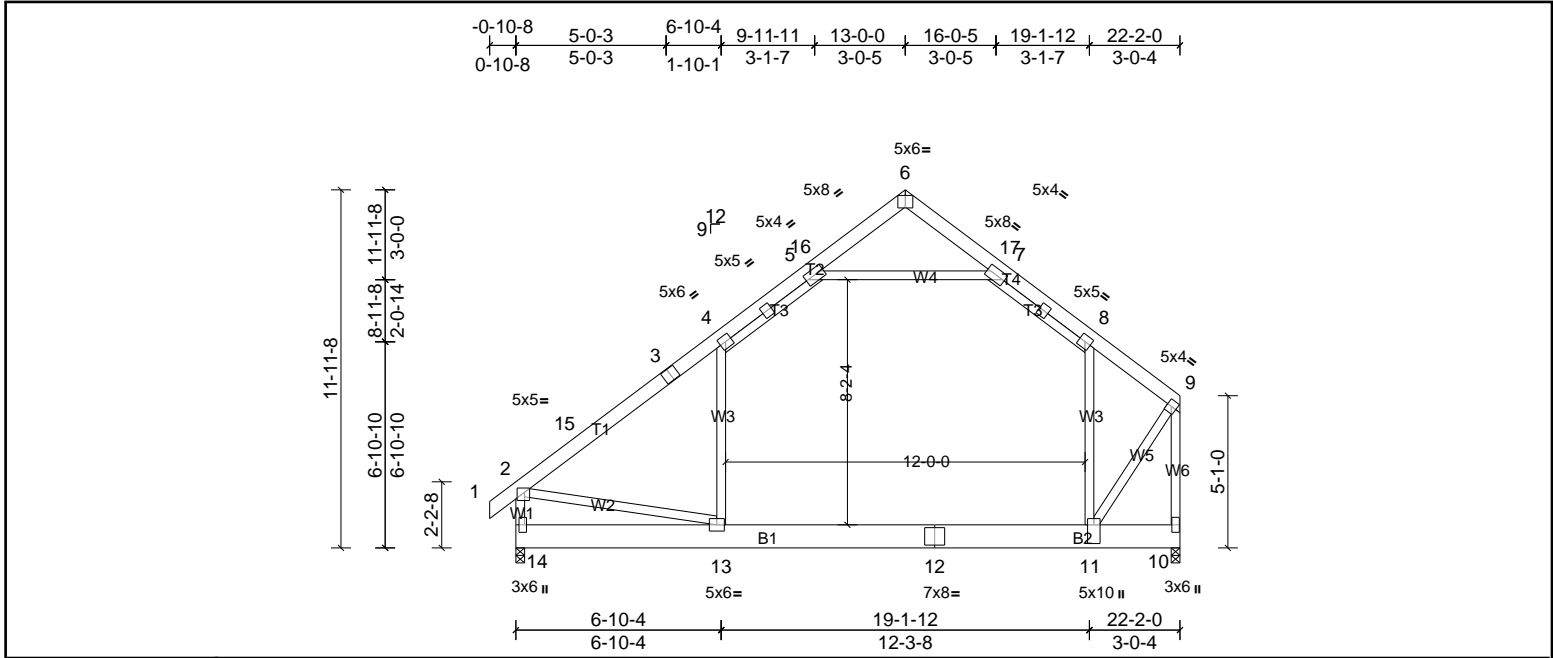


Plate Offsets (X, Y): [2:0-2-0,0-1-12], [6:0-3-0,Edge], [9:0-1-12,0-2-8], [11:0-7-8,0-2-8], [14:0-3-0,0-1-4]

Loading	(psf)	Spacing	3-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.23	11-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.32	11-13	>825	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.52	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.13	11-13	>999	360	Weight: 440 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x6 SP No.2 *Except* T3:2x4 SP No.2	TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD 2x10 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* W3,W4:2x4 SP No.2	

REACTIONS	(lb/size)
	10=1419/0-3-8, (min. 0-1-8), 14=1483/0-3-8, (min. 0-1-8)
	Max Horiz 14=742 (LC 7)
	Max Uplift 10=-289 (LC 10), 14=-348 (LC 10)
	Max Grav 10=2315 (LC 18), 14=2355 (LC 18)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-15=-2056/256, 3-15=-1831/274, 3-4=-1784/300, 4-5=-1420/508, 5-16=-216/326, 6-16=-197/380, 6-17=-233/327, 7-17=-252/273, 7-8=-1478/497, 8-9=-1868/440, 2-14=-1793/401, 9-10=-3520/608
BOT CHORD	13-14=-788/892, 12-13=-195/1504, 11-12=-195/1504
WEBS	4-13=-262/779, 8-11=-322/744, 5-7=-1629/584, 2-13=-172/1232, 9-11=-365/2727

- NOTES**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 10-0-0, Exterior (2) 10-0-0 to 16-0-0, Interior (1) 16-0-0 to 19-0-4, Exterior (2) 19-0-4 to 22-0-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-7
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 11-13
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 348 lb uplift at joint 14 and 289 lb uplift at joint 10.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Load case(s) 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Attic room checked for L/360 deflection.

LOAD CASE(S)	Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-2=-90, 2-4=-90, 4-5=-105, 5-6=-90, 6-7=-90, 7-8=-105, 8-9=-90, 10-14=-30, 5-7=-15	
2) Dead + 0.75 Roof Live (balanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft) Vert: 1-2=-75, 2-4=-75, 4-5=-90, 5-6=-75, 6-7=-75, 7-8=-90, 8-9=-75, 13-14=-120 (F=-90), 11-13=-120, 10-11=-120 (F=-90), 5-7=-15	



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 72323198	Truss B3	Truss Type Truss	Qty 2	Ply 2	LEE RESIDENCE Job Reference (optional)
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Page: 2

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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 72323198	Truss B4	Truss Type Truss	Qty 5	Ply 1	LEE RESIDENCE Job Reference (optional)
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Page: 1

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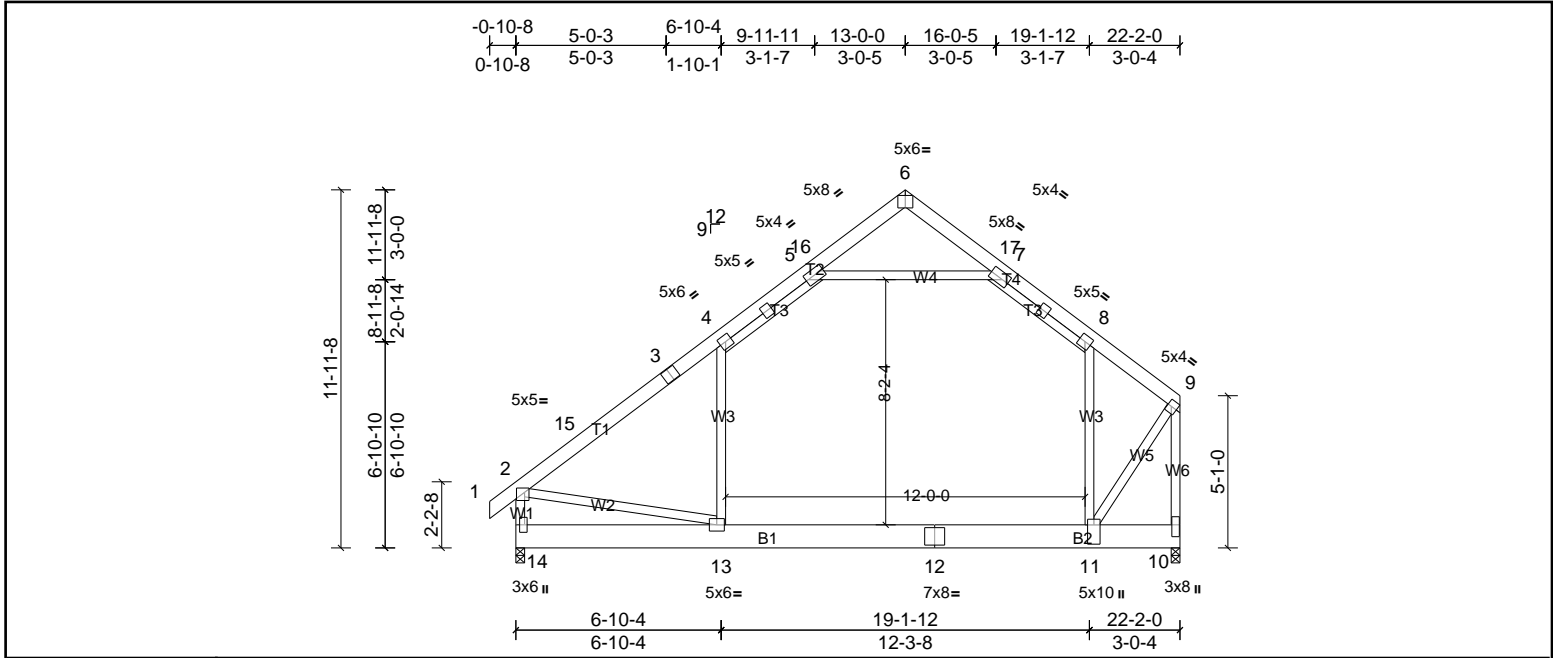


Plate Offsets (X, Y): [2:0-1-12,0-1-12], [6:0-3-0,Edge], [7:0-3-1,0-2-4], [9:Edge,0-2-8], [10:0-4-12,0-1-8], [11:0-7-12,0-2-8], [14:0-3-0,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.24	11-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.36	11-13	>737	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.15	11-13	>983	360	Weight: 220 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP No.2 *Except* T3:2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.
BOT CHORD	2x10 SP No.2	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	2x4 SP No.3 *Except* W3,W4:2x4 SP No.2		
REACTIONS			
	(lb/size) 10=946/0-3-8, (min. 0-1-9), 14=988/0-3-8, (min. 0-1-8)		
	Max Horiz 14=495 (LC 9)		
	Max Uplift 10=-193 (LC 10), 14=-232 (LC 10)		
	Max Grav 10=1320 (LC 18), 14=1218 (LC 18)		
FORCES			
	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	2-15=-1234/171, 3-15=-1084/183, 3-4=-1053/200, 4-5=-877/339, 7-8=-903/331, 8-9=-1120/293, 2-14=-1085/268, 9-10=-2116/405		
BOT CHORD	13-14=-525/540, 12-13=-130/907, 11-12=-130/907		
WEBS	8-11=-215/401, 4-13=-175/370, 5-7=-923/389, 2-13=-115/782, 9-11=-243/1642		

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 10-0-0, Exterior (2) 10-0-0 to 16-0-0, Interior (1) 16-0-0 to 19-0-4, Exterior (2) 19-0-4 to 22-0-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-7
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 11-13
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 232 lb uplift at joint 14 and 193 lb uplift at joint 10.
 - 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.
 - Attic room checked for L/360 deflection.



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 72323198	Truss M1	Truss Type Truss	Qty 6	Ply 1	LEE RESIDENCE Job Reference (optional)
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Page: 1

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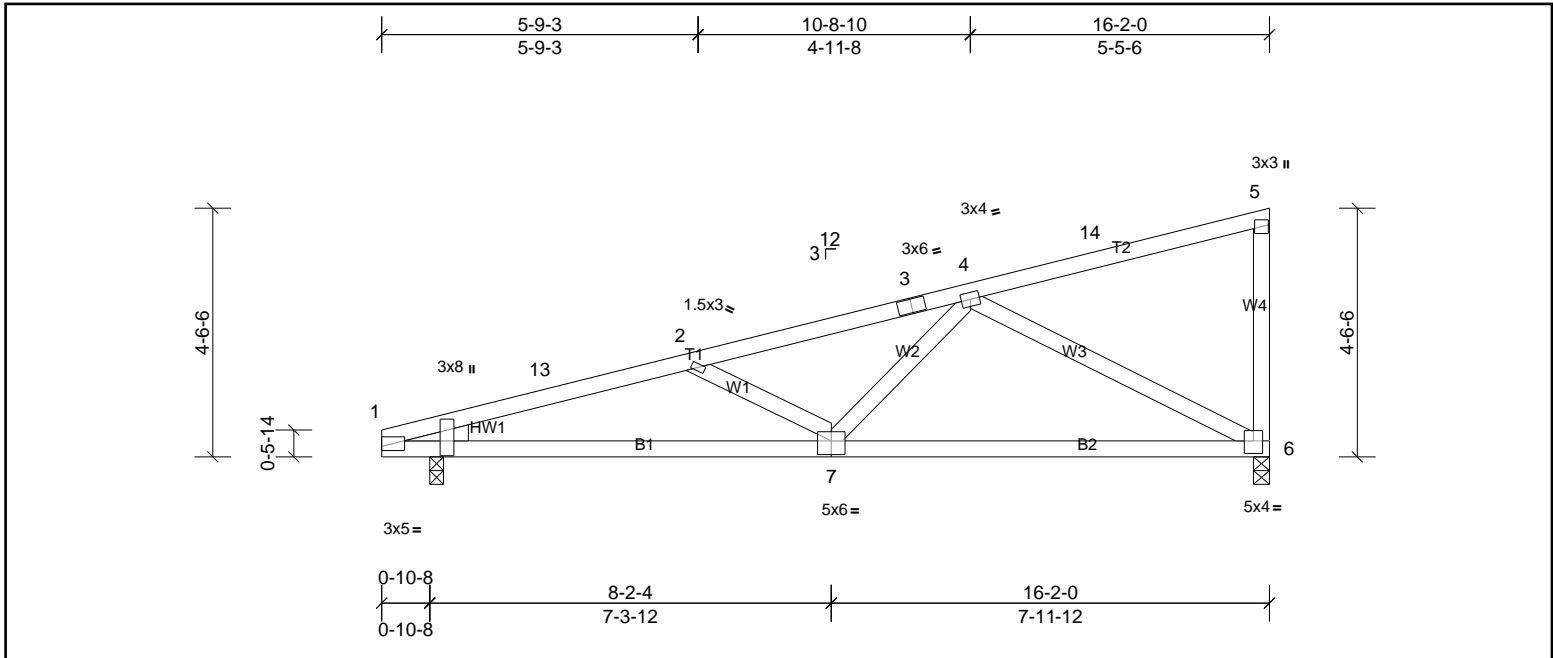


Plate Offsets (X, Y): [1:Edge,0-0-14], [1:0-2-0,1-0-12], [6:0-2-0,0-2-12], [7:0-3-0,0-3-0]

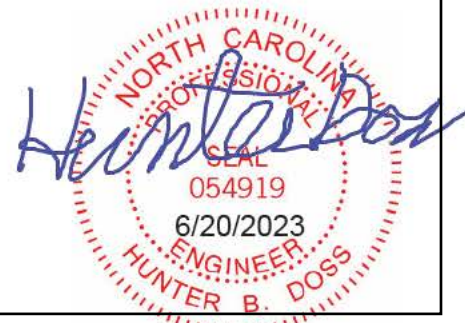
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	0.31	6-7	>621	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.24	6-7	>799	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.60	Horz(CT)	-0.02	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 75 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-6-15 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 4-8-1 oc bracing.
WEBS	2x4 SP No.3		
WEDGE	Left: 2x4 SP No.2		

REACTIONS
 (lb/size) 1=678/0-3-0, (min. 0-1-8), 6=604/0-3-8, (min. 0-1-8)
 Max Horiz 1=239 (LC 9)
 Max Uplift 1=469 (LC 6), 6=446 (LC 6)

FORCES
 (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-13=-1308/1433, 2-13=-1288/1443, 2-3=-1055/1354, 3-4=-995/1364
 BOT CHORD 1-7=-1330/1230, 6-7=-745/760
 WEBS 2-7=-266/241, 4-7=-711/464, 4-6=-838/917

- NOTES**
- 1) Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 13-0-4, Exterior (2) 13-0-4 to 16-0-4 zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 446 lb uplift at joint 6 and 469 lb uplift at joint 1.
 - 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.



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.



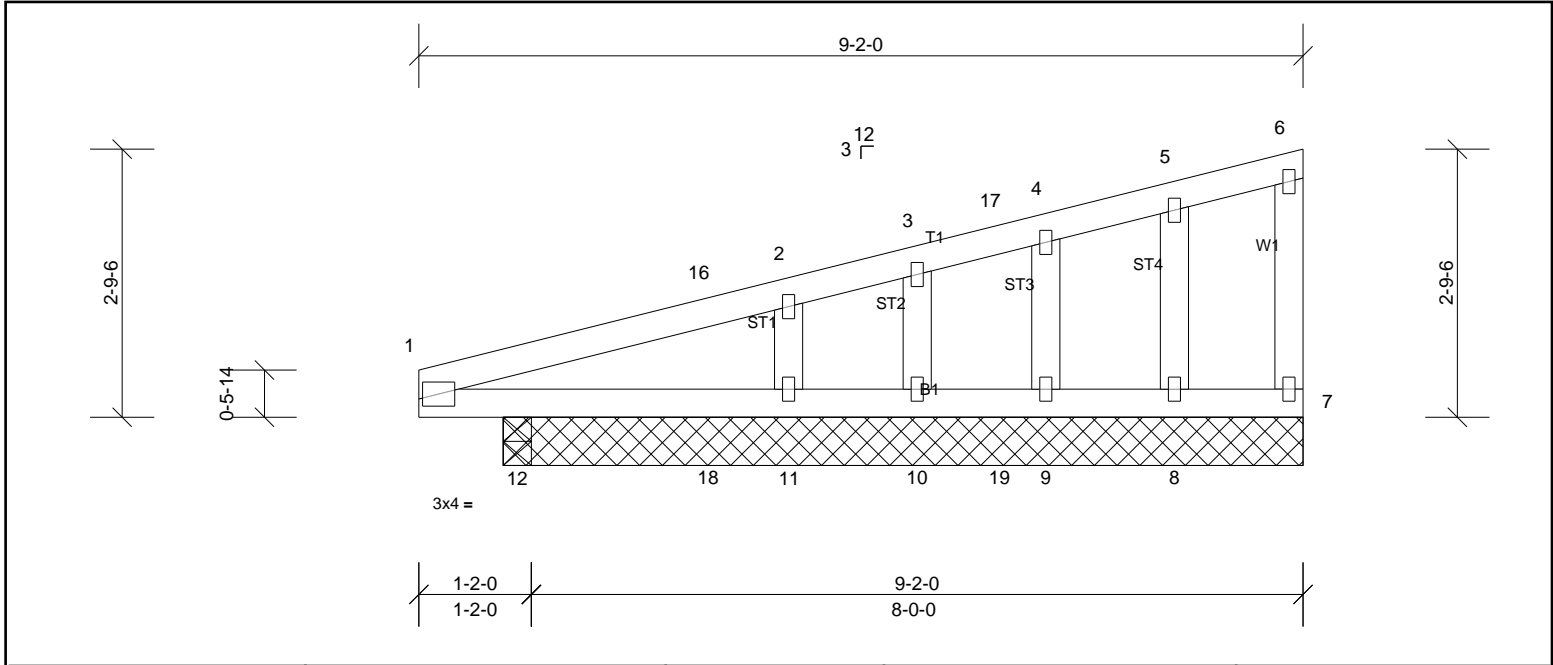
Job 72323198	Truss M1G	Truss Type Truss	Qty 1	Ply 1	LEE RESIDENCE Job Reference (optional)
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Page: 1

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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	0.00	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	0.00	11-12	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 39 lb	FT = 20%

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

REACTIONS	
All bearings	8-3-8. except 12=0-3-8
(lb) - Max Horiz	11=138 (LC 9)
Max Uplift	All uplift 100 (lb) or less at joint(s) 7, 8, 9, 10, 12 except 11=147 (LC 7)
Max Grav	All reactions 250 (lb) or less at joint(s) 7, 8, 9, 10, 11, 12

FORCES	
(lb) - Max. Comp./Max. Ten.	- All forces 250 (lb) or less except when shown.
WEBS	2-11=-170/256

- NOTES**
- 1) Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-0-0 to 3-0-0, Exterior (2) 3-0-0 to 6-0-4, Corner (3) 6-0-4 to 9-0-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only.
 - 3) All plates are 1.5x3 MT20 unless otherwise indicated.
 - 4) Gable studs spaced at 1-4-0 oc.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 8, 9, 10, 12 except (jt=lb) 11=147.
 - 8) 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.



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 72323198	Truss M2	Truss Type Truss	Qty 6	Ply 1	LEE RESIDENCE Job Reference (optional)
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Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Tue Jun 20 08:56:32

Page: 1

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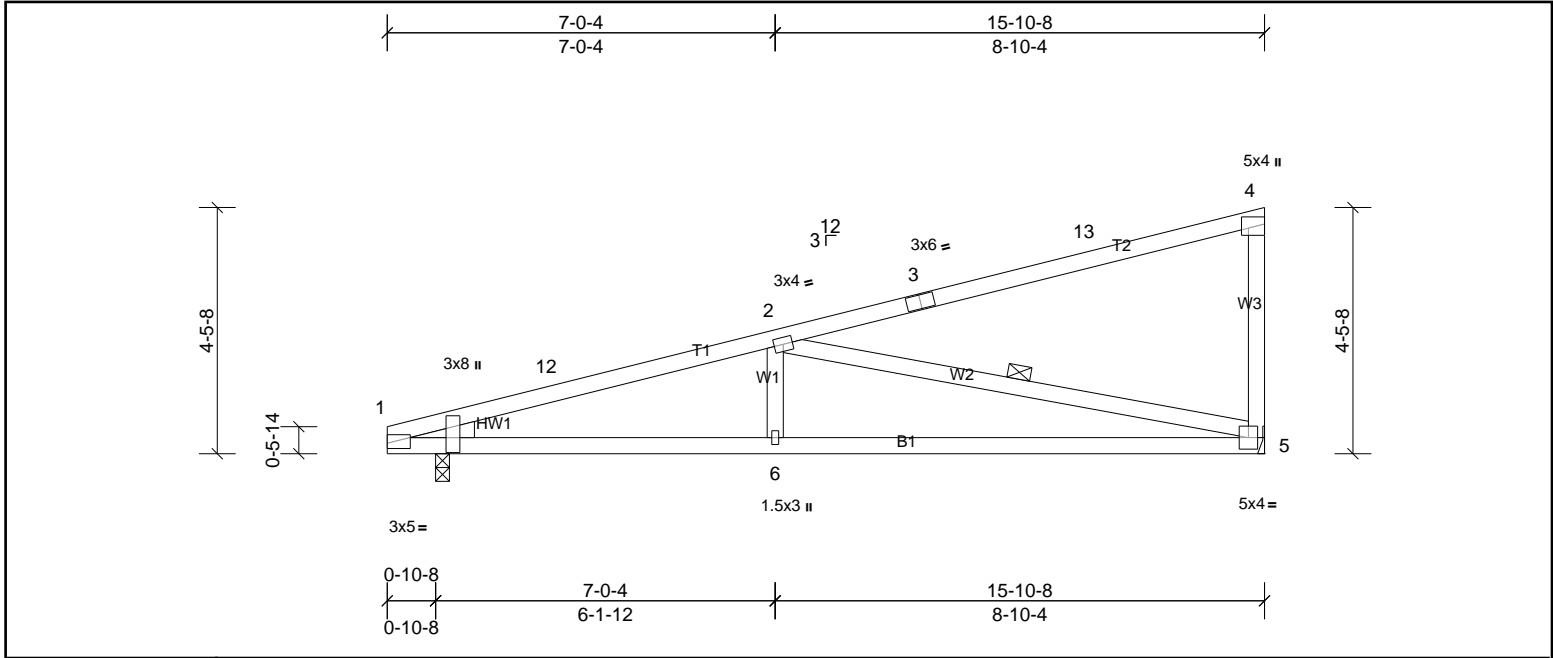


Plate Offsets (X, Y): [1:Edge,0-1-2], [1:0-2-0,1-0-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	0.43	5-6	>435	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.34	5-6	>559	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.53	Horz(CT)	-0.02	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 71 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	2x4 SP SS	BOT CHORD	Rigid ceiling directly applied or 4-6-3 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt
WEDGE	Left: 2x4 SP No.2		2-5

REACTIONS (lb/size) 1=666/0-3-0, (min. 0-1-8), 5=592/ Mechanical, (min. 0-1-8)
 Max Horiz 1=235 (LC 9)
 Max Uplift 1=461 (LC 6), 5=437 (LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-12=-1337/1530, 2-12=-1266/1545
 BOT CHORD 1-6=-1426/1265, 5-6=-1426/1265
 WEBS 2-6=-440/296, 2-5=-1234/1492

- NOTES**
- 1) Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 12-8-12, Exterior (2) 12-8-12 to 15-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 437 lb uplift at joint 5 and 461 lb uplift at joint 1.
 - 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.



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 72323198	Truss M3	Truss Type Truss	Qty 7	Ply 1	LEE RESIDENCE Job Reference (optional)
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Page: 1

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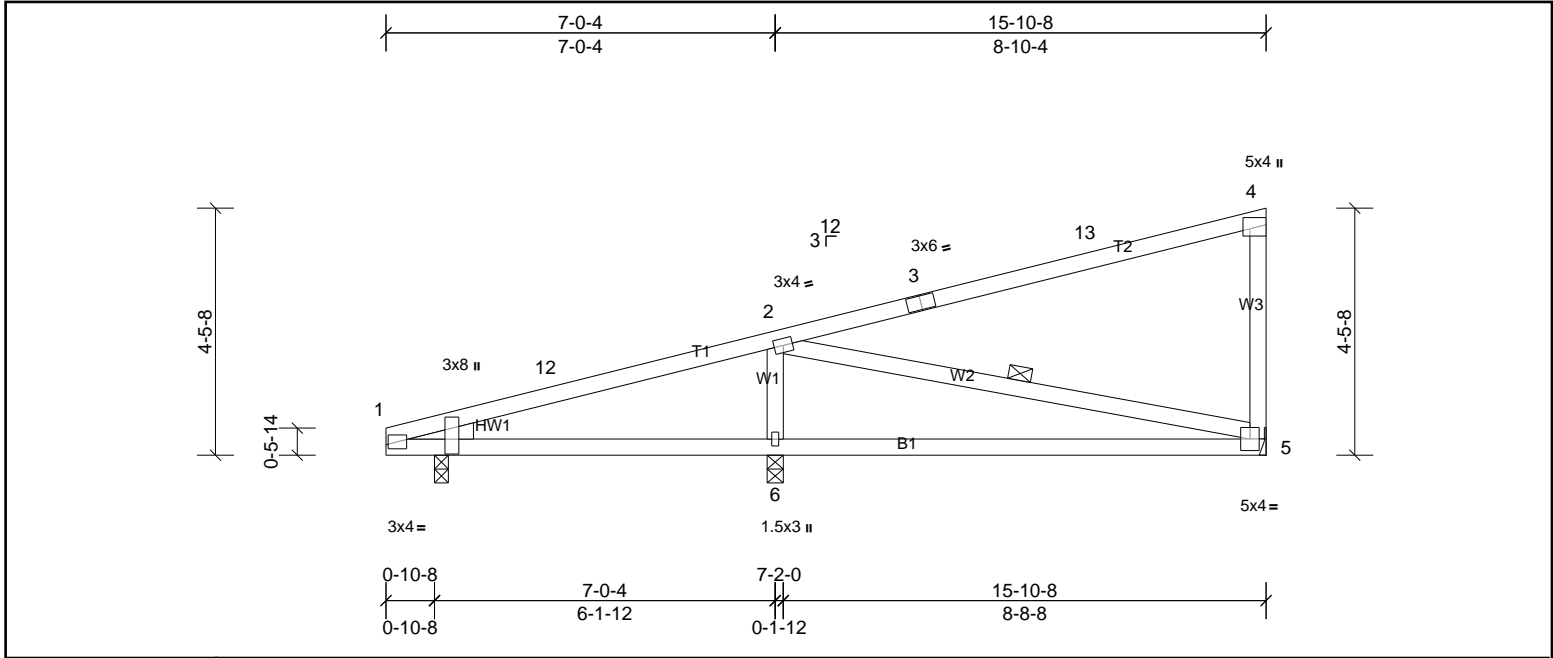


Plate Offsets (X, Y): [1:0-7,0-0-14], [1:0-2,0,1-0-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.12	5-6	>869	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.24	5-6	>444	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.01	1	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 71 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP SS	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt
WEDGE	Left: 2x4 SP No.2		2-5

REACTIONS	(lb/size)	1=275/0-3-0, (min. 0-1-8), 5=316/ Mechanical, (min. 0-1-8), 6=667/0-3-8, (min. 0-1-8)
Max Horiz	1=235 (LC 9)	
Max Uplift	1=228 (LC 6), 5=159 (LC 6), 6=284 (LC 6)	

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-12=-163/359, 2-12=-111/372
BOT CHORD	1-6=-305/124, 5-6=-305/124
WEBS	2-5=-75/402, 2-6=488/347

- NOTES**
- Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 12-8-12, Exterior (2) 12-8-12 to 15-8-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 159 lb uplift at joint 5, 284 lb uplift at joint 6 and 228 lb uplift at joint 1.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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.

