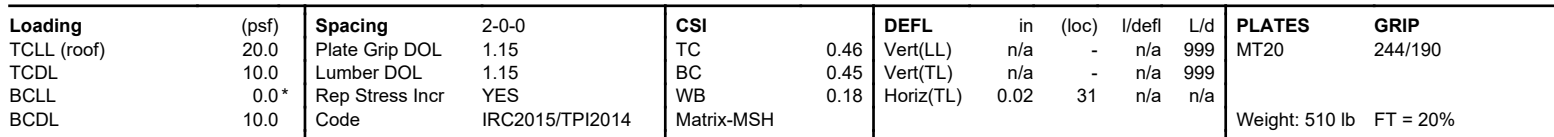


UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Kirk Robertson Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Sep 16 14:17:29 Page: 1
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This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job	Truss	Truss Type	Qty	Ply	
24061913	A1	Piggyback Base Supported Gable	1	1	Job Reference (optional)

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 44, 53, 37 except (jt=lb) 1=135, 30=126, 46=101, 48=136, 49=160, 50=151, 51=155, 52=284, 55=101, 56=119, 57=169, 58=147, 59=505, 42=126, 41=163, 40=151, 39=156, 38=299, 35=115, 34=119, 33=169, 32=147, 31=496.
- 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.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

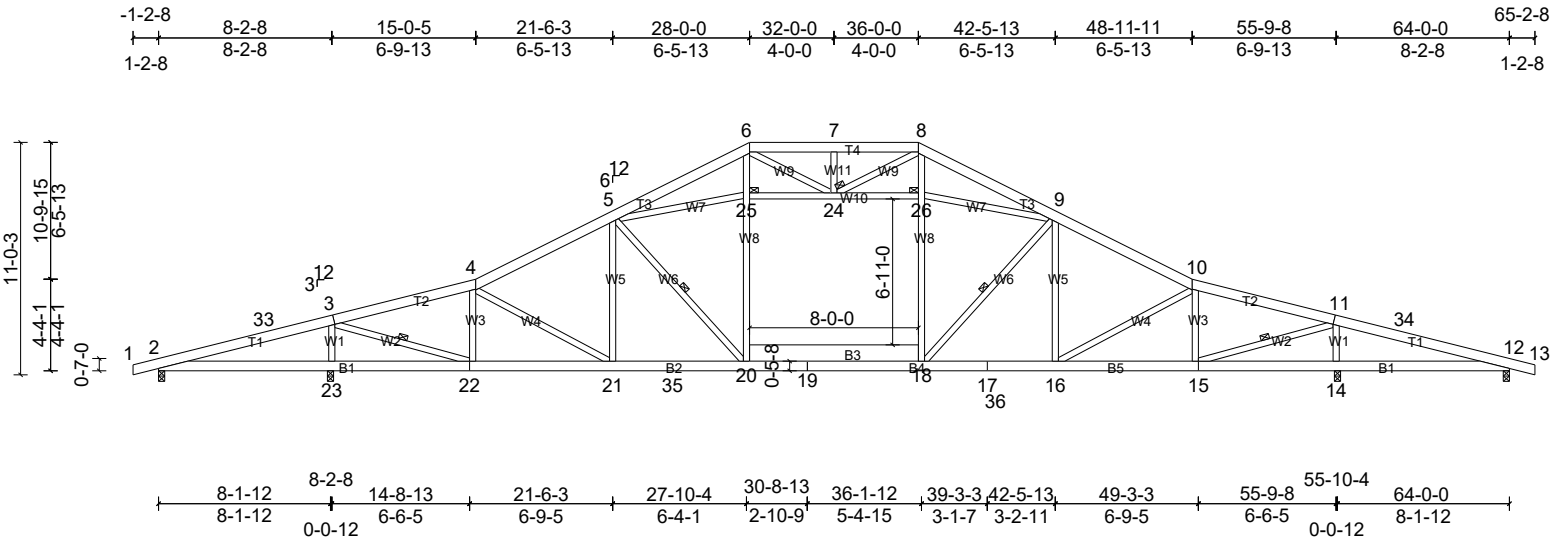
Job	Truss	Truss Type	Qty	Ply	
24061913	A2	Piggyback Base	16	1	Job Reference (optional)

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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	0.21	20-21	>999	240	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.28	18-20	>999	180	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.06	14	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.03	18-20	>999	360	Weight: 525 lb FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 20-18:2x10 SP No.1
WEBS 2x4 SP No.3 *Except* 22-3,15-11:2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-13 oc purlins, except 2-0-0 oc purlins (5-11-1 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 5-9-6 oc bracing.

WEBS 1 Row at midpt 3-22, 5-20, 9-18, 11-15
JOINTS 1 Brace at Jt(s): 24, 25, 26
This truss requires both edges of the bottom chord be sheathed in the room area.

REACTIONS All bearings 0-3-8.
(lb) - Max Horiz 2=363 (LC 14)
Max Uplift All uplift 100 (lb) or less at joint(s) except 2=438 (LC 6), 12=432 (LC 7), 14=1351 (LC 11), 23=1410 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 2, 12 except 14=2598 (LC 1), 23=2598 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-33=-576/810, 3-33=-560/861, 3-4=-2463/1838, 4-5=-2840/2293, 5-6=-1706/1480, 6-7=-1538/1605, 7-8=-1538/1605, 8-9=-1706/1480, 9-10=-2840/2293, 10-11=-2463/1838, 11-14=-402/861, 12-34=-419/802
BOT CHORD 2-23=-779/518, 22-23=-685/447, 21-22=-1565/2405, 21-35=-1646/2497, 20-35=-1646/2497, 19-20=-1526/2380, 18-19=-1526/2380, 17-18=-1646/2497, 17-36=-1646/2497, 16-36=-1646/2497, 15-16=-1565/2405, 14-15=-685/447, 12-14=-779/518

WEBS 3-23=-2333/1738, 3-22=-2058/3188, 4-22=-973/855, 5-21=-28/274, 5-20=-403/577, 20-25=-296/594, 6-25=-251/502, 18-26=-296/594, 8-26=-264/502, 9-18=-403/598, 9-16=-62/274, 10-15=-973/855, 11-15=-2058/3188, 11-14=-2333/1738, 24-25=-1049/899, 24-26=-1049/899, 6-24=-449/509, 7-24=-224/274, 8-24=-449/509, 5-25=-1047/898, 9-26=-1047/898

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-2-8 to 5-2-5, Interior (1) 5-2-5 to 21-7-3, Exterior (2) 21-7-3 to 42-3-9, Interior (1) 42-3-9 to 58-9-11, Exterior (2) 58-9-11 to 65-2-8 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
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 5x8 (≠) MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

7) * 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.
8) Bottom chord live load (20.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 18-20
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 437 lb uplift at joint 2, 1410 lb uplift at joint 23, 1351 lb uplift at joint 14 and 431 lb uplift at joint 12.
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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.
LOAD CASE(S) Standard

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



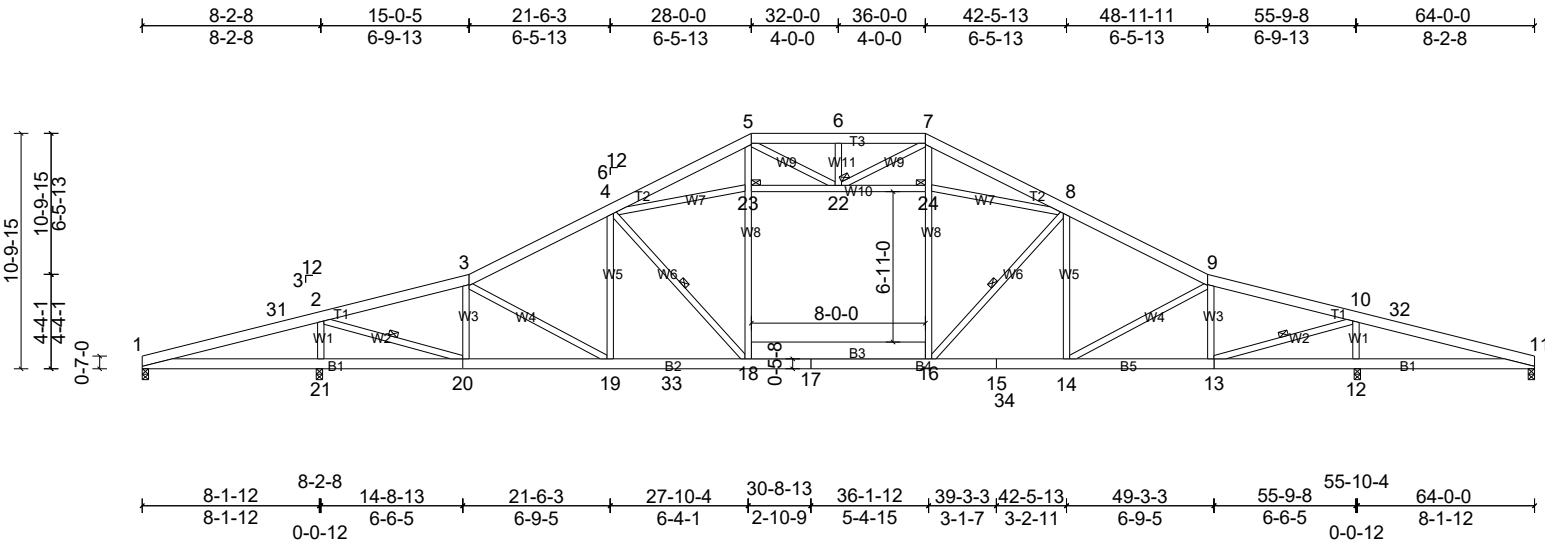
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	A3	Piggyback Base	2	1	

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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	0.21	18-19	>999	240	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.28	16-18	>999	180	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.06	12	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.03	16-18	>999	360	Weight: 519 lb FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 18-16:2x10 SP No.1
WEBS 2x4 SP No.3 *Except* 20-2,13-10:2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-10 oc purlins, except 2-0-0 oc purlins (5-11-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 5-8-10 oc bracing.

WEBS 1 Row at midpt 2-20, 4-18, 8-16, 10-13
JOINTS 1 Brace at Jt(s): 22, 23, 24
This truss requires both edges of the bottom chord be sheathed in the room area.

REACTIONS All bearings 0-3-8.
(lb) - Max Horiz 1=352 (LC 11)
Max Uplift All uplift 100 (lb) or less at joint(s) except 1=314 (LC 6), 11=305 (LC 7), 12=1356 (LC 11), 21=1413 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 1, 11 except 12=2596 (LC 1), 21=2596 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-31=555/788, 2-31=539/815, 2-3=2480/1833, 3-4=2851/2291, 4-5=1710/1479, 5-6=1542/1604, 6-7=1542/1604, 7-8=1710/1479, 8-9=2851/2291, 9-10=2480/1833, 10-32=380/815, 11-32=395/762
BOT CHORD 1-21=733/453, 20-21=733/453, 19-20=1594/2422, 19-33=1679/2506, 18-33=1679/2506, 17-18=1559/2387, 16-17=1559/2387, 15-16=1679/2506, 15-34=1679/2506, 14-34=1679/2506, 13-14=1594/2422, 12-13=733/453, 11-12=733/453

WEBS 2-21=2325/1760, 2-20=2090/3248, 3-20=972/856, 4-19=30/277, 4-18=406/577, 18-23=296/596, 5-23=252/504, 16-24=296/596, 7-24=264/504, 8-16=406/598, 8-14=62/277, 9-13=972/856, 10-13=2090/3248, 10-12=2325/1760, 22-23=1052/898, 22-24=1052/898, 5-22=449/510, 6-22=224/274, 7-22=449/510, 4-23=1051/897, 8-24=1051/897

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-0 to 6-4-13, Interior (1) 6-4-13 to 21-7-3, Exterior (2) 21-7-3 to 42-3-9, Interior (1) 42-3-9 to 57-7-3, Exterior (2) 57-7-3 to 64-0-0 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
3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 5x8 (≠) MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

7) * 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.
8) Bottom chord live load (20.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 16-18
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 314 lb uplift at joint 1, 304 lb uplift at joint 11, 1413 lb uplift at joint 21 and 1356 lb uplift at joint 12.
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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.
LOAD CASE(S) Standard

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



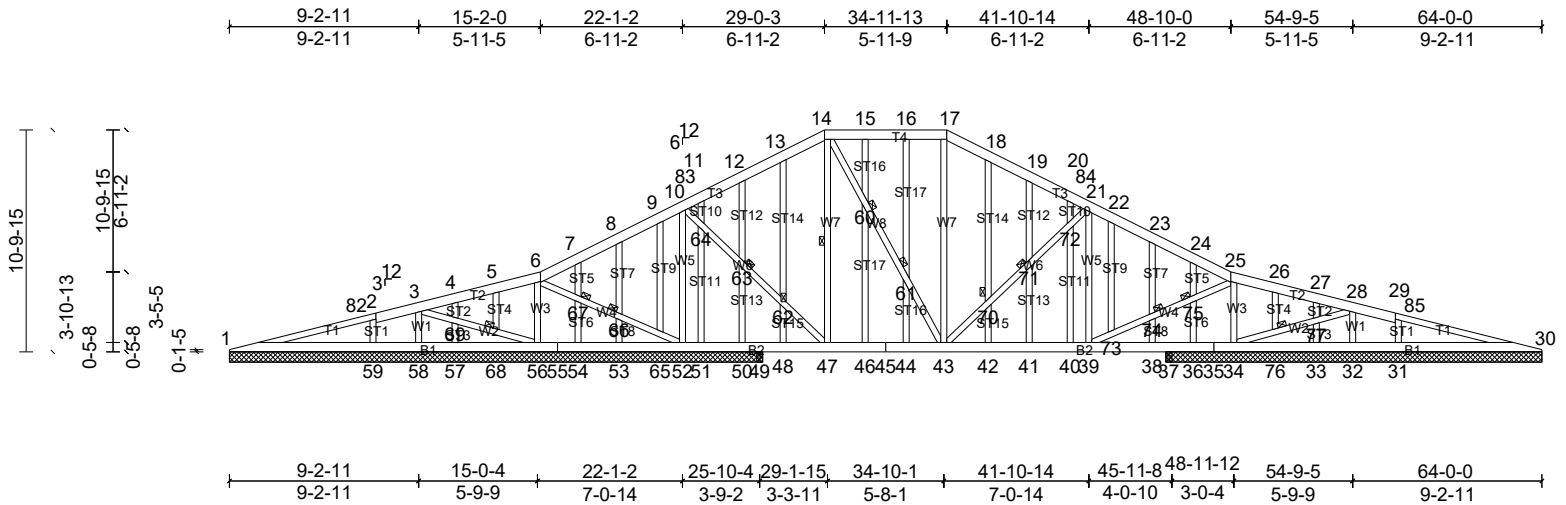
Job	Truss	Truss Type	Qty	Ply	
24061913	A4	Piggyback Base Structural Gable	1	1	Job Reference (optional)

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	0.07	41-42	>999	240	MT20	244/190
TCDL	18.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.08	41-42	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.02	30	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 593 lb	FT = 20%

LUMBER		TOP CHORD	1-82=-355/314, 2-82=-344/359, 2-3=-223/298, 8-9=-92/265, 9-10=-89/287, 10-83=-494/396, 11-83=-466/398, 11-12=-589/492, 12-13=-595/596, 13-14=-643/697, 14-15=-760/801, 15-16=-760/801, 16-17=-760/801, 17-18=-802/808, 18-19=-806/743, 19-20=-844/673, 20-84=-839/640, 21-84=-857/636, 21-22=-821/660, 22-23=-923/673, 23-24=-889/586, 24-25=-869/514, 29-85=-167/303, 30-85=-178/253	2) Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-0 to 6-4-13, Interior (1) 6-4-13 to 22-7-7, Exterior (2) 22-7-7 to 41-4-9, Interior (1) 41-4-9 to 57-7-3, Exterior (2) 57-7-3 to 64-0-0 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
BRACING		TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 14-17.	
		BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 46-47,44-46,43-44,42-43,41-42,40-41,39-40.	3) Truss designed for wind loads in the plane of the truss only.
WEBS			1 Row at midpt 14-47	
JOINTS			1 Brace at Jt(s): 60, 61, 62, 63, 66, 67, 68, 70, 71, 74, 75, 76	4) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
REACTIONS			All bearings 26-0-0. except 30=18-4-0, 34=18-4-0, 32=18-4-0, 36=18-4-0, 33=18-4-0, 31=18-4-0, 49=0-3-8, 37=0-3-8	5) Provide adequate drainage to prevent water ponding.
		(lb) - Max Horiz	1=364 (LC 10)	6) All plates are 2x5 () MT20 unless otherwise indicated.
		Max Uplift	All uplift 100 (lb) or less at joint(s) except 1=-138 (LC 6), 30=-127 (LC 7), 31=-488 (LC 7), 32=-167 (LC 1), 33=-284 (LC 11), 34=-471 (LC 11), 36=-155 (LC 1), 37=-242 (LC 11), 49=-227 (LC 10), 50=-142 (LC 22), 51=-130 (LC 10), 52=-217 (LC 10), 53=-211 (LC 10), 54=-131 (LC 10), 56=-101 (LC 6), 57=-281 (LC 6), 58=-125 (LC 1), 59=-501 (LC 10)	7) Gable studs spaced at 2-0-0 oc.
		Max Grav	All reactions 250 (lb) or less at joint (s) 1, 30, 32, 36, 50, 54, 58 except 31=780 (LC 22), 33=458 (LC 1), 34=1093 (LC 1), 37=498 (LC 1), 49=473 (LC 1), 51=325 (LC 1), 52=702 (LC 1), 53=348 (LC 1), 56=260 (LC 21), 57=438 (LC 21), 59=782 (LC 21)	
		NOTES	1) Unbalanced roof live loads have been considered for this design.	
FORCES		(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.

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Job	Truss	Truss Type	Qty	Ply	
24061913	A4	Piggyback Base Structural Gable	1	1	Job Reference (optional)

- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * 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.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 138 lb uplift at joint 1, 127 lb uplift at joint 30, 125 lb uplift at joint 58, 101 lb uplift at joint 56, 217 lb uplift at joint 52, 470 lb uplift at joint 34, 167 lb uplift at joint 32, 142 lb uplift at joint 50, 130 lb uplift at joint 51, 210 lb uplift at joint 53, 131 lb uplift at joint 54, 280 lb uplift at joint 57, 501 lb uplift at joint 59, 154 lb uplift at joint 36, 284 lb uplift at joint 33, 488 lb uplift at joint 31, 227 lb uplift at joint 49 and 242 lb uplift at joint 37.
- 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.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

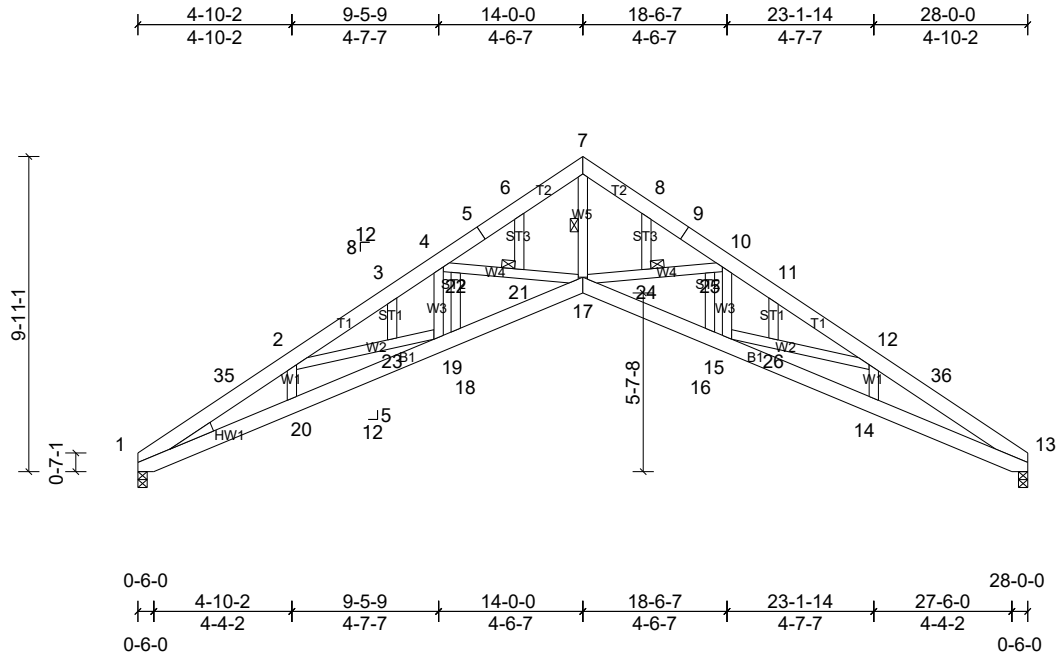
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	B1	Scissor Structural Gable	1	1	

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	0.61	16-17	>548	240	MT20	244/190
TCDL	18.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	0.50	16-17	>674	180	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	-0.65	13	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 209 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2 *Except* 1-5,9-13:2x6 SP No.1
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 17-7,4-17,10-17:2x4 SP No.2
OTHERS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-8-15 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 2-7-6 oc bracing.
WEBS	1 Row at midpt 7-17
JOINTS	1 Brace at Jt(s): 21, 24

REACTIONS

(lb/size)	1=1333/0-3-8, (min. 0-1-8), 13=1333/0-3-8, (min. 0-1-8)
Max Horiz	1=470 (LC 7)
Max Uplift	1=-593 (LC 10), 13=-593 (LC 11)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	1-35=-4095/7324, 2-35=-4061/7335, 2-3=-3822/6456, 3-4=-3786/6562, 4-5=-3051/4627, 5-6=-2964/4633, 6-7=-2950/4654, 7-8=-2951/4655, 8-9=-2964/4636, 9-10=-3052/4629, 10-11=-3790/6566, 11-12=-3827/6462, 12-36=-3992/7238, 13-36=-4048/7215
BOT CHORD	1-20=-6095/3496, 19-20=-5941/3583, 18-19=-4810/3379, 17-18=-4854/3429, 16-17=-4867/3437, 15-16=-4819/3384, 14-15=-5850/3534, 13-14=-6002/3431
WEBS	7-17=-4825/2938, 4-22=-966/1835, 21-22=-942/1833, 17-21=-949/1838, 2-20=-363/104, 2-23=-365/760, 19-23=-358/748, 4-19=-1275/344, 17-24=-957/1850, 24-25=-950/1846, 10-25=-976/1849, 10-15=-1262/347, 15-26=-300/645, 12-26=-306/656, 12-14=-342/117

NOTES

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

- 2) Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 11-0-0, Exterior (2) 11-0-0 to 17-0-0, Interior (1) 17-0-0 to 24-10-4, Exterior (2) 24-10-4 to 27-10-4 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
- 3) Truss designed for wind loads in the plane of the truss only.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * 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.
- 8) Bearing at joint(s) 13, 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 593 lb uplift at joint 13 and 593 lb uplift at joint 1.
- 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) Standard

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



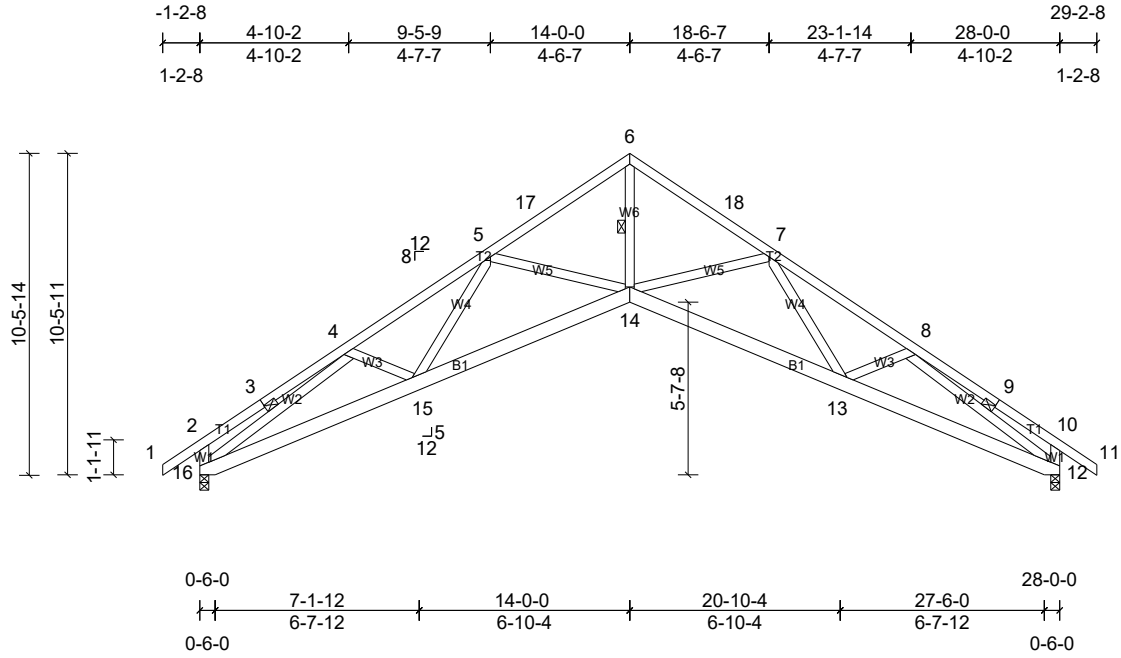
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	B2	Scissor	6	1	

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Kirk Robertson

Run: 8.83 S Apr 11 2025 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Sep 16 14:17:33

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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	0.51	14-15	>654	240	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	0.41	14-15	>801	180	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.86	Horz(CT)	-0.45	12	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 186 lb FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1 *Except* 1-3,9-11:2x4 SP No.2
BOT CHORD 2x6 SP SS
WEBS 2x4 SP No.3 *Except*
16-2,16-4,12-10,12-8:2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-11-7 oc bracing.
WEBS 1 Row at midpt 6-14, 4-16, 8-12

REACTIONS (lb/size) 12=1190/0-3-8, (min. 0-1-8),
16=1190/0-3-8, (min. 0-1-8)
Max Horiz 16=588 (LC 9)
Max Uplift 12=-665 (LC 11), 16=-665 (LC 10)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-565/968, 3-4=-538/993,
4-5=-2662/5599, 5-17=-2179/3843,
6-17=-2143/3870, 6-18=-2143/3870,
7-18=-2179/3843, 7-8=-2662/5599,
8-9=-538/993, 9-10=-565/968,
2-16=-452/861, 10-12=-452/861
BOT CHORD 15-16=-3971/2225, 14-15=-3257/2268,
13-14=-3257/2268, 12-13=-3971/2225
WEBS 6-14=-4022/2081, 4-16=-2291/4426,
8-12=-2291/4426, 4-15=-393/259,
5-15=-1168/182, 5-14=-616/1125,
7-14=-616/1125, 7-13=-1168/182,
8-13=-394/309

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=155mph (3-second gust)
Vasd=123mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 1-2-8 to 1-9-8, Interior (1) 1-9-8 to 11-0-0, Exterior (2) 11-0-0 to 17-0-0, Interior (1) 17-0-0 to 26-2-8, Exterior (2) 26-2-8 to 29-2-8 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

- 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.
- Bearing at joint(s) 16, 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 665 lb uplift at joint 16 and 665 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.

LOAD CASE(S) Standard

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.

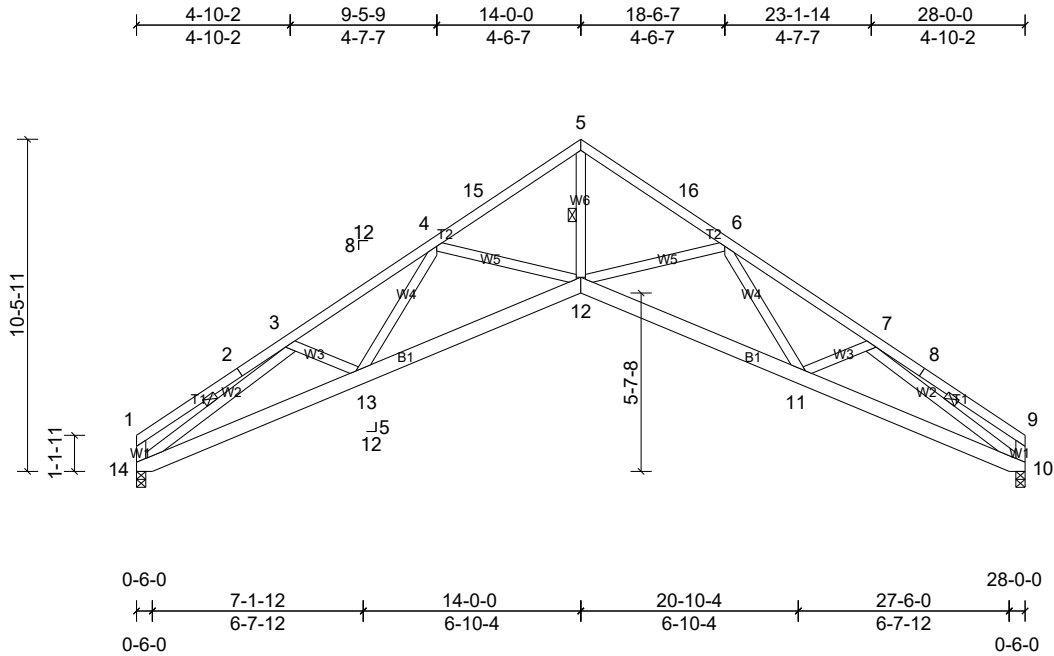


Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	B3	Scissor	4	1	

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	0.53	12-13	>628	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	0.43	12-13	>764	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	-0.48	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 182 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1 *Except* 1-2,8-9:2x4 SP No.2
BOT CHORD 2x6 SP SS
WEBS 2x4 SP No.3 *Except*
14-1,14-3,10-9,10-7:2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or
3-8-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-9-13 oc
bracing.
WEBS 1 Row at midpt 5-12, 3-14, 7-10

REACTIONS (lb/size) 10=1108/0-3-8, (min. 0-1-8),
14=1108/0-3-8, (min. 0-1-8)
Max Horiz 14=542 (LC 9)
Max Uplift 10=-588 (LC 11), 14=-588 (LC 10)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250
(lb) or less except when shown.
TOP CHORD 1-2=-456/880, 2-3=-421/894,
3-4=-2609/5774, 4-15=-2194/4025,
5-15=-2112/4044, 5-16=-2112/4044,
6-16=-2194/4025, 6-7=-2609/5774,
7-8=-421/894, 8-9=-456/880, 1-14=-420/646,
9-10=-420/646
BOT CHORD 13-14=-4237/2188, 12-13=-3505/2284,
11-12=-3505/2284, 10-11=-4237/2188
WEBS 5-12=-4210/2095, 3-14=-2360/4713,
7-10=-2360/4713, 3-13=-377/267,
4-13=-1178/189, 4-12=-620/1113,
6-12=-620/1113, 6-11=-1178/189,
7-11=-377/310

NOTES
1) Unbalanced roof live loads have been considered for
this design.
2) Wind: ASCE 7-10; Vult=155mph (3-second gust)
Vasd=123mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat.
II; Exp C; Enclosed; MWFRS (envelope) exterior zone
and C-C Exterior (2) 0-1-12 to 3-1-12, Interior (1) 3-1-12
to 11-0-0, Exterior (2) 11-0-0 to 17-0-0, Interior (1) 17-0-0
to 24-10-4, Exterior (2) 24-10-4 to 27-10-4 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

- 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.
- Bearing at joint(s) 14, 10 considers parallel to grain
value using ANSI/TPI 1 angle to grain formula. Building
designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 588 lb uplift at joint
14 and 588 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) Standard

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



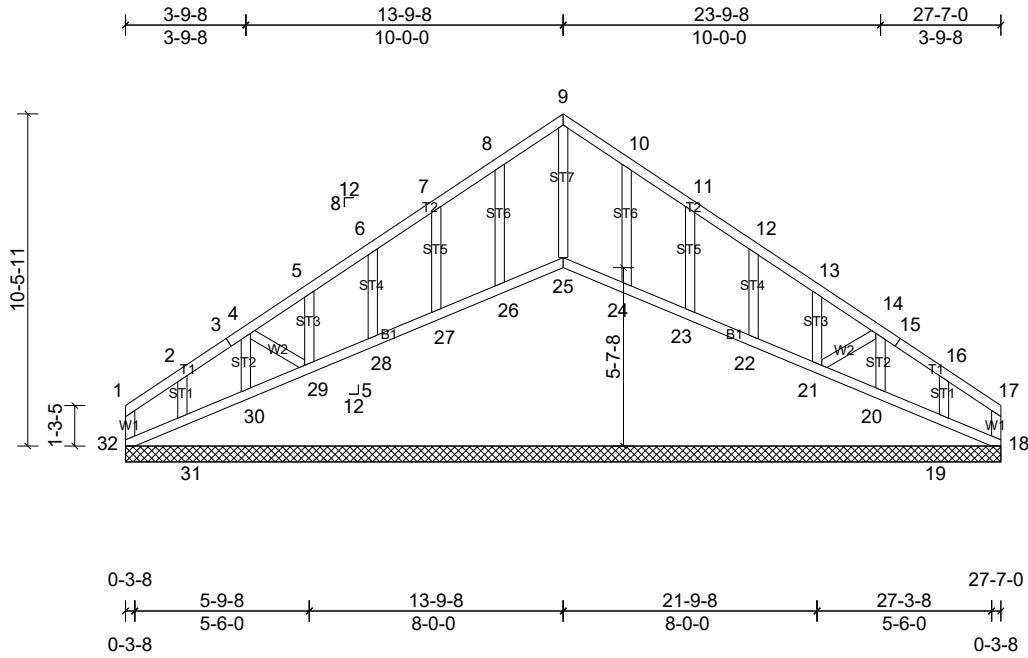
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	B4	Scissor Supported Gable	2	1	

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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	0.12	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.15	Horiz(TL)	0.02	18	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 156 lb FT = 20%

LUMBER

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

BRACING

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

REACTIONS

All bearings	27-7-0.
(lb) - Max Horiz	32=545 (LC 9)
Max Uplift	All uplift 100 (lb) or less at joint(s) 18, 20 except 19=185 (LC 11), 21=-499 (LC 11), 22=185 (LC 11), 23=-185 (LC 11), 24=-182 (LC 11), 25=-233 (LC 9), 26=-184 (LC 10), 27=-184 (LC 10), 28=-186 (LC 10), 29=-550 (LC 10), 30=-220 (LC 8), 31=-197 (LC 10), 32=-223 (LC 6)
Max Grav	All reactions 250 (lb) or less at joint (s) 18, 19, 20, 22, 23, 24, 26, 27, 28, 31 except 21=348 (LC 9), 25=629 (LC 11), 29=466 (LC 8), 30=365 (LC 7), 32=261 (LC 9)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces	250 (lb) or less except when shown.
TOP CHORD	4-5=-290/275, 5-6=-257/262, 6-7=-220/280, 7-8=-303/356, 8-9=-403/474, 9-10=-403/474, 10-11=-303/356
BOT CHORD	31-32=-549/546, 30-31=-542/539, 29-30=-545/540, 28-29=-296/351, 27-28=-296/351, 26-27=-296/351, 25-26=-296/350, 24-25=-296/350, 23-24=-296/351, 22-23=-296/351, 21-22=-296/351
WEBS	9-25=-391/273, 4-30=-336/255, 4-29=-356/434, 14-21=-269/374

NOTES

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

- 2) Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 0-4-4 to 3-4-4, Exterior (2) 3-4-4 to 11-0-0, Corner (3) 11-0-0 to 17-0-0, Exterior (2) 17-0-0 to 24-7-12, Corner (3) 24-7-12 to 27-7-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only.
- 4) All plates are 2x3 (||) MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * 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.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 18, 20 except (jt=lb) 32=222, 25=232, 26=184, 27=183, 28=185, 29=550, 30=219, 31=197, 24=181, 23=184, 22=184, 21=498, 19=184.
- 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 25, 26, 27, 28, 29, 30, 31, 24, 23, 22, 21, 20, 19.
- 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.

LOAD CASE(S)

Standard



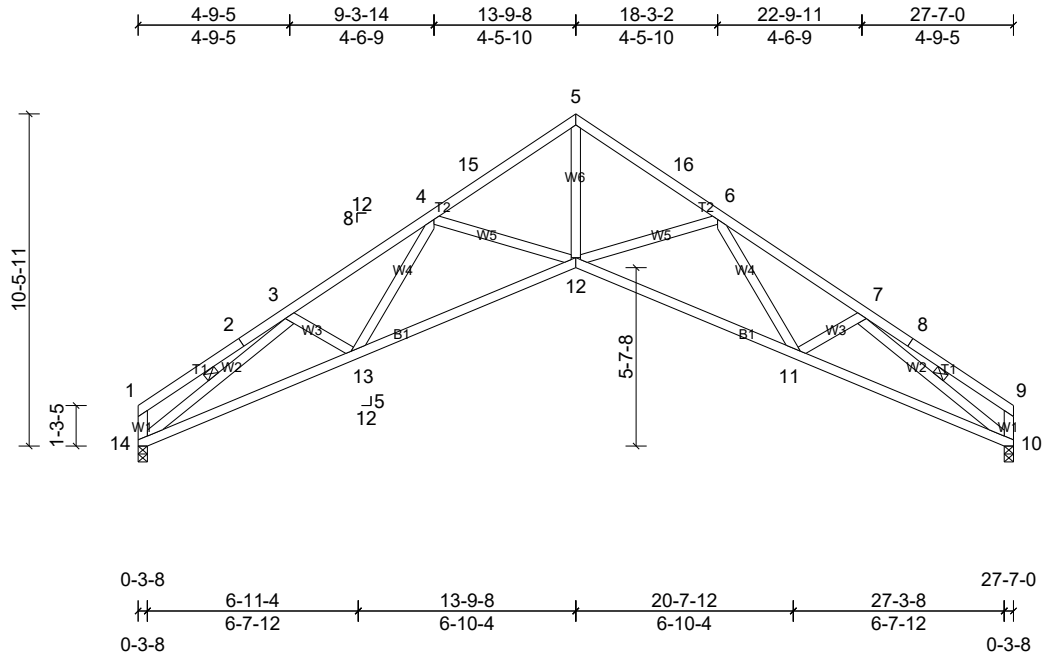
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	B5	Scissor	23	1	

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Kirk Robertson

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	0.29	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.40	12-13	>816	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.40	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 156 lb	FT = 20%

LUMBER		
TOP CHORD	2x4 SP No.2	
BOT CHORD	2x4 SP No.2	
WEBS	2x4 SP No.3	
BRACING		
TOP CHORD	Structural wood sheathing directly applied or 3-1-10 oc purlins, except end verticals.	
BOT CHORD	Rigid ceiling directly applied or 4-10-0 oc bracing.	
WEBS	1 Row at midpt	3-14, 7-10
REACTIONS (lb/size)		
	10=1092/0-3-8, (min. 0-1-8),	
	14=1092/0-3-8, (min. 0-1-8)	
	Max Horiz 14=545 (LC 9)	
	Max Uplift 10=578 (LC 11), 14=578 (LC 10)	
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-2=-394/262, 2-3=-360/278, 3-4=-3058/1484, 4-15=-2407/993, 5-15=-2380/1019, 5-16=-2380/1068, 6-16=-2407/1041, 6-7=-3058/1233, 7-8=-360/278, 8-9=-394/262, 1-14=-387/277, 9-10=-387/277	
BOT CHORD	13-14=-1439/2584, 12-13=-1170/2600, 11-12=-781/2273, 10-11=-965/2387	
WEBS	5-12=-939/2306, 3-14=-2747/1320, 7-10=-2747/1063, 4-12=-679/607, 6-12=-679/643, 6-11=-223/313, 7-11=-72/275	

- 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=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-4-4 to 3-4-4, Interior (1) 3-4-4 to 11-0-0, Exterior (2) 11-0-0 to 17-0-0, Interior (1) 17-0-0 to 24-7-12, Exterior (2) 24-7-12 to 27-7-12 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.
 - Bearing at joint(s) 14, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 578 lb uplift at joint 14 and 578 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)** Standard

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.

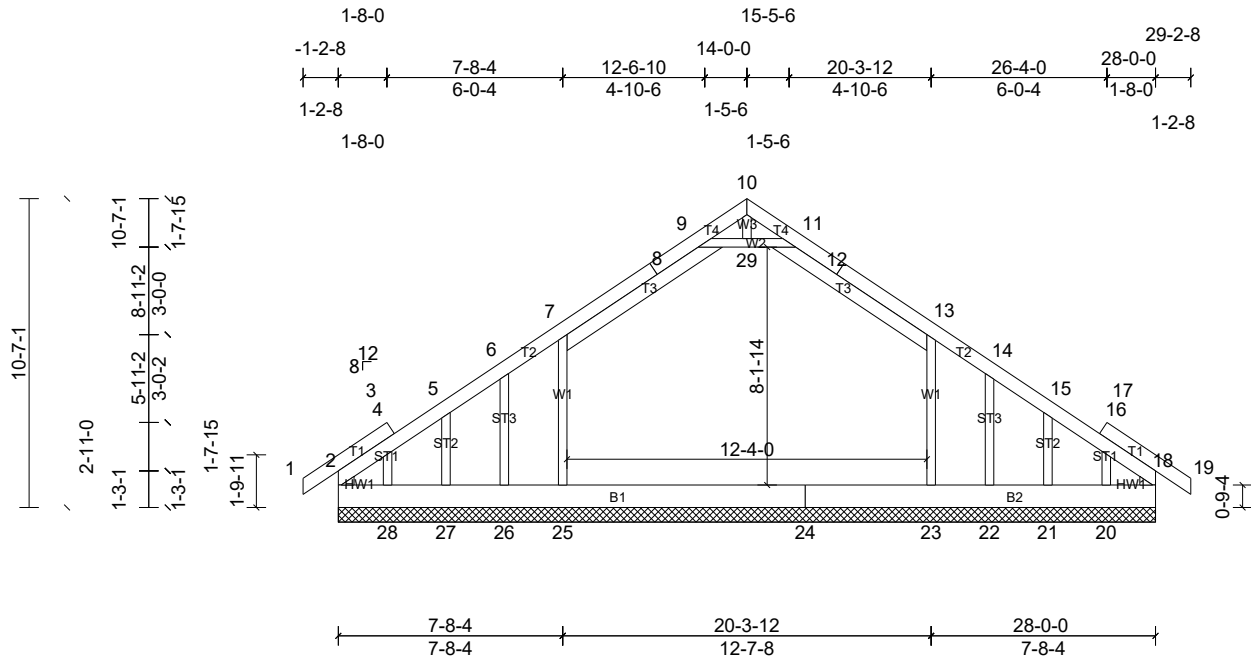


Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	C1	Attic Supported Gable	1	1	

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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)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.01	18	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 282 lb FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x10 SP No.1
WEBS	2x4 SP No.2 *Except* 10-29:2x4 SP No.3
OTHERS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2

BRACING

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

REACTIONS

IONS All bearings 28-0-0.	
(lb) - Max Horiz 2=488 (LC 9)	
Max Uplift	All uplift 100 (lb) or less at joint(s) 18 except 20=-286 (LC 11), 21=-138 (LC 11), 22=-532 (LC 16), 23=-219 (LC 11), 25=-232 (LC 10), 26=-532 (LC 16), 27=-134 (LC 10), 28=-196 (LC 11)
Max Grav	All reactions 250 (lb) or less at joint (s) 20, 22, 26, 28 except 2=503 (LC 1), 18=548 (LC 18), 21=347 (LC 19), 23=1130 (LC 19), 25=1144 (LC 18), 27=342 (LC 18)

FORCES

	(lb) or less except when shown.
TOP CHORD	2-3=-600/147, 3-4=-461/115, 4-5=-591/146, 5-6=-592/203, 6-7=-551/277, 7-8=-679/408, 8-9=-611/413, 11-12=-611/413, 12-13=-679/408, 13-14=-529/263, 14-15=-581/193, 15-16=-579/131, 16-17=-452/104, 17-18=-591/134
BOT CHORD	2-28=-112/553, 27-28=-109/517, 26-27=-109/517, 25-26=-109/517, 24-25=-109/517, 23-24=-109/517, 22-23=-109/517, 21-22=-109/517, 20-21=-109/517, 18-20=-123/561
WEBS	13-23=-463/397, 7-25=-463/410, 9-29=-583/479, 11-29=-583/479

NOTES

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

- 2) Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TC DL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) -1-2-8 to 1-8-4, Exterior (2) 1-8-4 to 11-0-0, Corner (3) 11-0-0 to 17-0-0, Exterior (2) 17-0-0 to 26-2-8, Corner (3) 26-2-8 to 29-2-8 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
- 3) Truss designed for wind loads in the plane of the truss only.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * 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.
- 8) Ceiling dead load (5.0 psf) on member(s). 9-29, 11-29, 7-9, 11-13
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 18 except (jt=lb) 23=219, 25=231, 26=531, 27=133, 28=195, 22=531, 21=138, 20=286.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 18.
- 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.
- 12) Attic room checked for L/360 deflection.

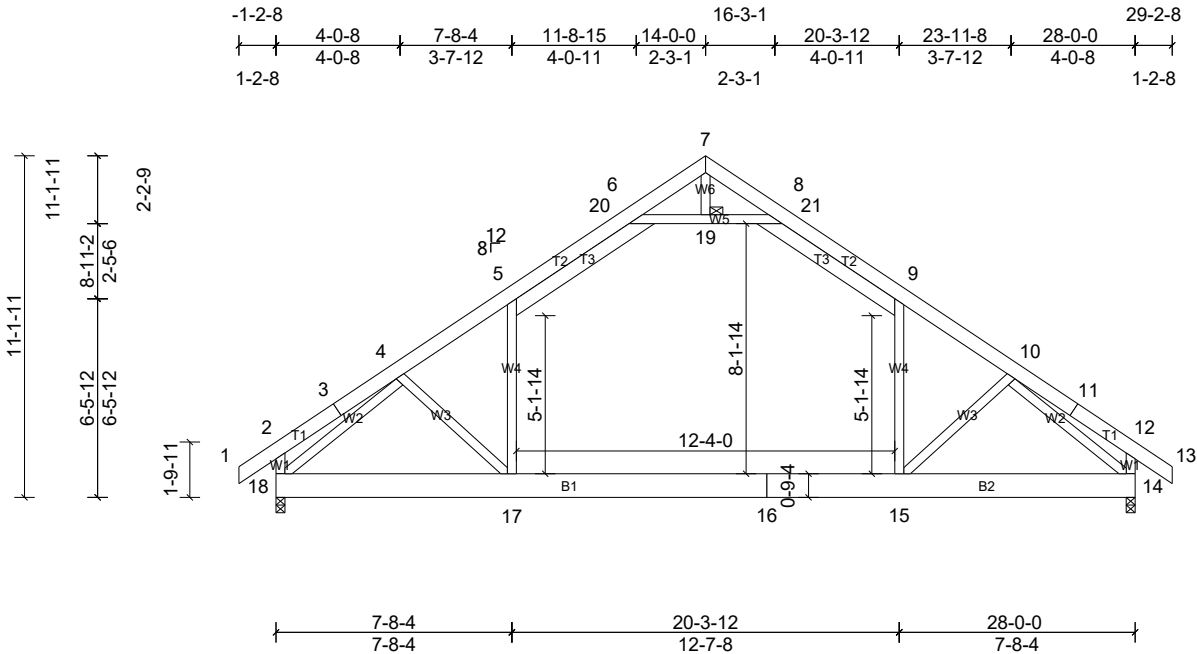
LOAD CASE(S)

Standard

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	C2	Attic	1	1	



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.33	15-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.47	15-17	>703	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.02	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.17	15-17	>887	360	Weight: 279 lb	FT = 20%

LUMBER
 TOP CHORD 2x6 SP No.2 *Except* 3-7,7-11:2x6 SP No.1
 BOT CHORD 2x10 SP No.1
 WEBS 2x4 SP No.3 *Except* 9-15,5-17,6-8:2x4 SP No.2

BRACING
 TOP CHORD Structural wood sheathing directly applied, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 JOINTS 1 Brace at Jt(s): 19

REACTIONS (lb/size)
 14=1253/0-3-8, (min. 0-1-14),
 18=1253/0-3-8, (min. 0-1-14)
 Max Horiz 18=-609 (LC 8)
 Max Uplift 14=-624 (LC 11), 18=-624 (LC 10)
 Max Grav 14=1586 (LC 19), 18=1586 (LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-250/262, 3-4=-213/284, 4-5=-1904/687, 5-20=-1444/690, 6-20=-1389/695, 6-7=-157/515, 7-8=-158/515, 8-21=-1389/695, 9-21=-1444/690, 9-10=-1902/686, 10-11=-213/284, 11-12=-250/262, 2-18=-270/394, 12-14=-269/394
 BOT CHORD 17-18=-607/1753, 16-17=-284/1513, 15-16=-284/1513, 14-15=-374/1478
 WEBS 9-15=-80/851, 5-17=-81/851, 6-19=-2028/941, 8-19=-2028/941, 4-18=-1955/547, 10-14=-1954/546, 4-17=-377/451, 10-15=-377/452

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-2-8 to 1-9-8, Interior (1) 1-9-8 to 11-0-0, Exterior (2) 11-0-0 to 17-0-0, Interior (1) 17-0-0 to 26-2-8, Exterior (2) 26-2-8 to 29-2-8 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). 5-6, 8-9, 6-19, 8-19
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 15-17
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 624 lb uplift at joint 18 and 624 lb uplift at joint 14.
 - 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.
- LOAD CASE(S)** Standard

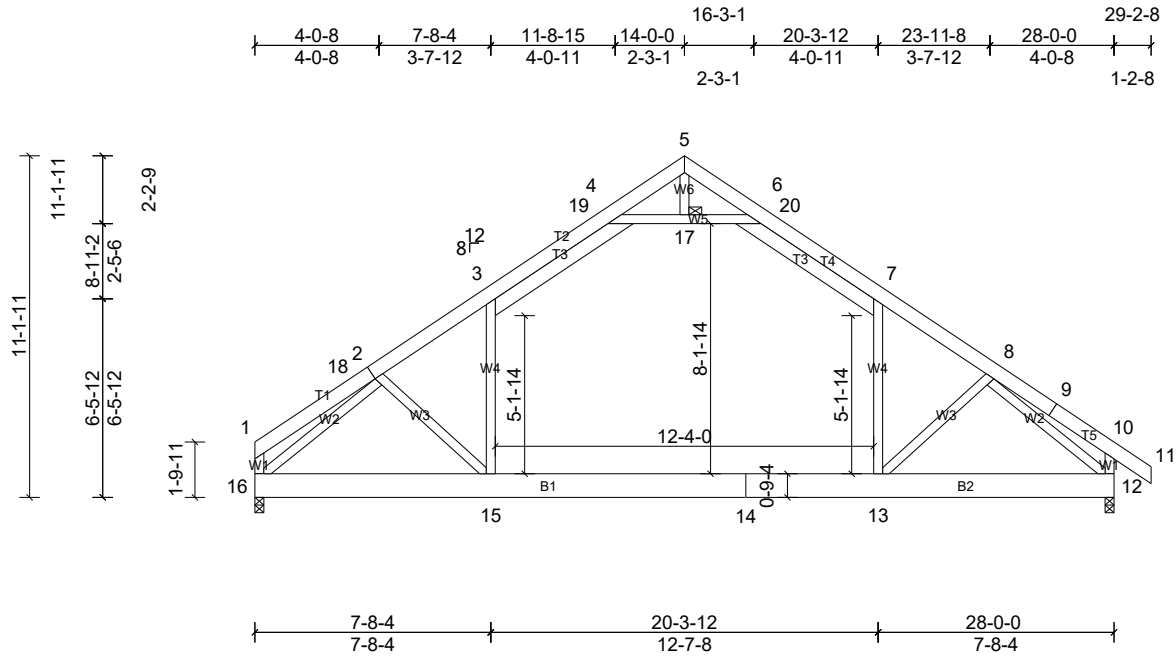
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	C3	Attic	8	1	

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.31	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.45	13-15	>741	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.17	13-15	>906	360	Weight: 276 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2 *Except* 2-5,5-9:2x6 SP SS
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.3 *Except* 7-13,3-15,4-6:2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 17

REACTIONS (lb/size) 12=1255/0-3-8, (min. 0-1-14), 16=1169/0-3-8, (min. 0-1-12)
Max Horiz 16=-593 (LC 6)
Max Uplift 12=-624 (LC 11), 16=-548 (LC 10)
Max Grav 12=1588 (LC 19), 16=1499 (LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-262/197, 2-3=-1905/688, 3-19=-1449/695, 4-19=-1393/699, 4-5=-159/519, 5-6=-158/519, 6-20=-1391/700, 7-20=-1447/696, 7-8=-1907/687, 8-9=-215/285, 9-10=-252/263, 10-12=-271/395
BOT CHORD 15-16=-615/1760, 14-15=-286/1520, 13-14=-286/1520, 12-13=-373/1480
WEBS 7-13=-76/855, 3-15=-71/840, 4-17=-2034/948, 6-17=-2034/948, 2-16=-1941/578, 8-12=-1953/543, 2-15=-354/452, 8-13=-375/456

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 11-0-0, Exterior (2) 11-0-0 to 17-0-0, Interior (1) 17-0-0 to 26-2-8, Exterior (2) 26-2-8 to 29-2-8 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). 3-4, 6-7, 4-17, 6-17
- 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 548 lb uplift at joint 16 and 624 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.

LOAD CASE(S) Standard

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



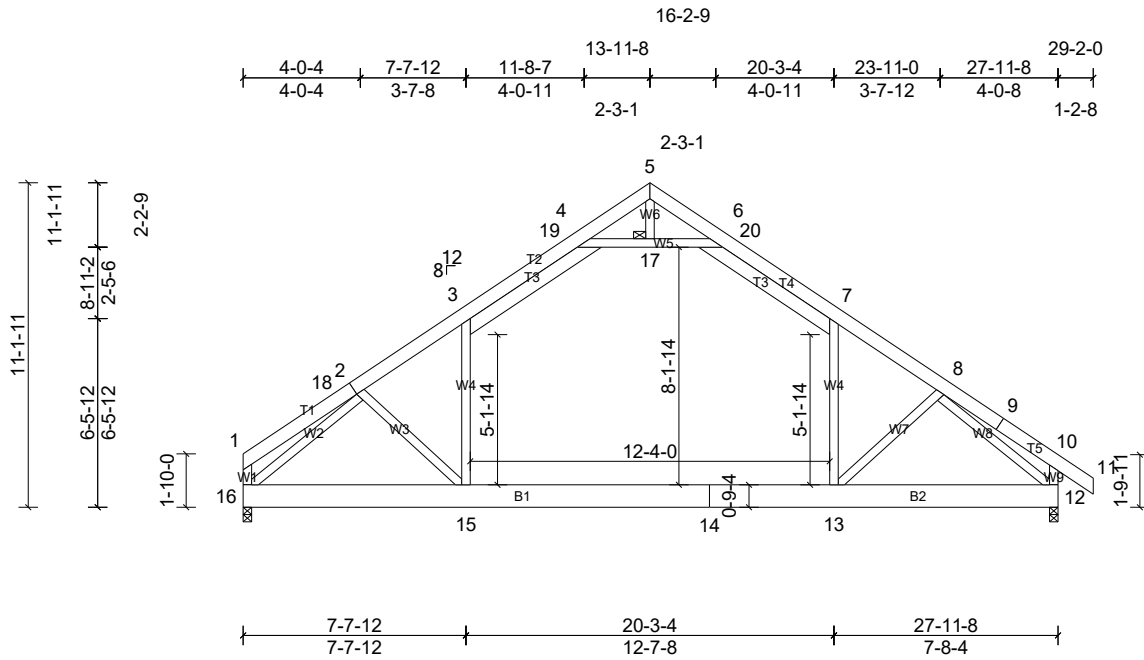
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	C4	Attic	3	1	

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.32	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.46	13-15	>723	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.17	13-15	>897	360	Weight: 275 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SP No.2 *Except* 2-5:2x6 SP No.1, 5-9:2x6 SP SS
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.3 *Except* 7-13,3-15,4-6:2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

JOINTS 1 Brace at Jt(s): 17

REACTIONS (lb/size) 12=1253/0-3-8, (min. 0-1-14), 16=1168/0-3-8, (min. 0-1-12)
Max Horiz 16=-594 (LC 6)
Max Uplift 12=-623 (LC 11), 16=-546 (LC 10)
Max Grav 12=1586 (LC 19), 16=1498 (LC 18)

FORCES

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

TOP CHORD 1-18=-252/195, 2-3=-1898/685, 3-19=-1446/694, 4-19=-1390/698, 4-5=-161/518, 5-6=-154/513, 6-20=-1385/697, 7-20=-1441/693, 7-8=-1905/686, 8-9=-213/284, 9-10=-251/262, 10-12=-270/394

BOT CHORD 15-16=-606/1746, 14-15=-284/1515, 13-14=-284/1515, 12-13=-373/1479

WEBS 7-13=-79/862, 3-15=-72/832, 4-17=-2025/946, 6-17=-2025/946, 2-16=-1943/579, 8-12=-1954/544, 2-15=-345/444, 8-13=-381/459

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=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-2-4 to 3-2-4, Interior (1) 3-2-4 to 11-0-0, Exterior (2) 11-0-0 to 17-0-0, Interior (1) 17-0-0 to 26-2-8, Exterior (2) 26-2-8 to 29-2-8 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). 3-4, 6-7, 4-17, 6-17
- 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 546 lb uplift at joint 16 and 623 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.

LOAD CASE(S) Standard

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.

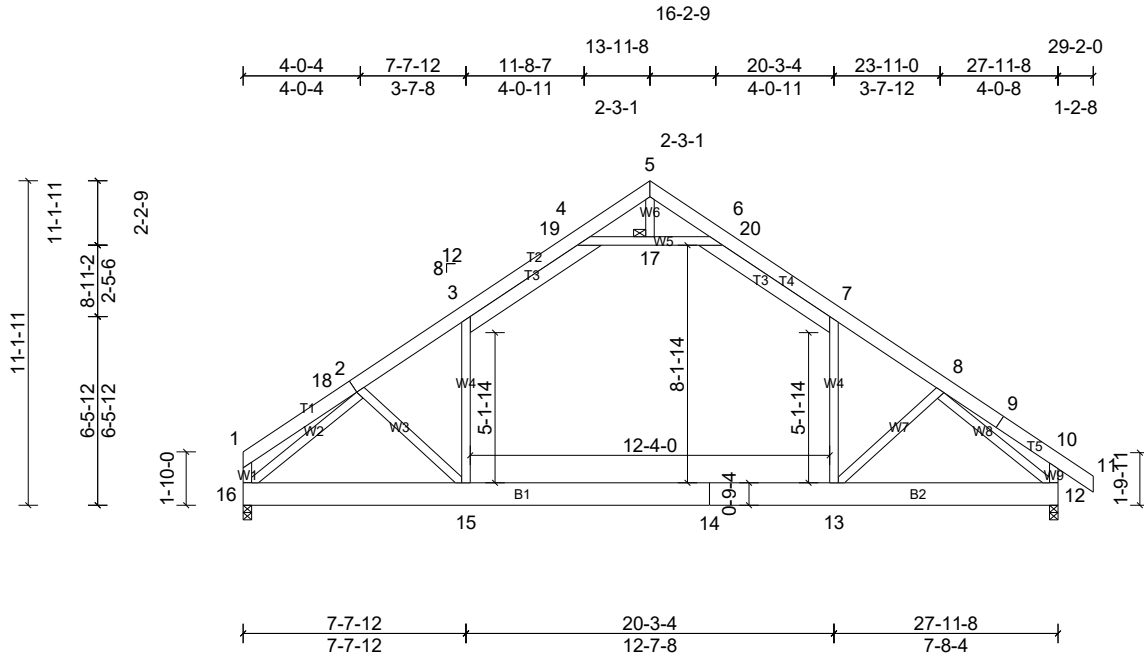


Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	C5	Attic	1	2	

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Loading	(psf)	Spacing		CSI		DEFL	in	(loc)	L/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	4-0-0	TC	0.75	Vert(LL)	-0.31	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.45	13-15	>743	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.51	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.17	13-15	>907	360	Weight: 551 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SP No.2 *Except* 2-5,5-9:2x6 SP SS
BOT CHORD 2x10 SP No.1
WEBS 2x4 SP No.3 *Except* 7-13,3-15,4-6:2x4 SP No.2

BRACING

TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 5, 17, 1, 10

REACTIONS (lb/size) 12=2506/0-3-8, (min. 0-1-14), 16=2336/0-3-8, (min. 0-1-12)
Max Horiz 16=-1188 (LC 6)
Max Uplift 12=-1246 (LC 11), 16=-1093 (LC 10)
Max Grav 12=3171 (LC 19), 16=2996 (LC 18)

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

TOP CHORD 1-18=-508/390, 2-18=-436/398, 2-3=-3800/1374, 3-19=-2891/1388, 4-19=-2779/1396, 4-5=-315/1031, 5-6=-315/1032, 6-20=-2776/1397, 7-20=-2887/1389, 7-8=-3805/1370, 8-9=-430/570, 9-10=-504/525, 1-16=-462/376, 10-12=-543/790

BOT CHORD 15-16=-1216/3495, 14-15=-568/3031, 13-14=-568/3031, 12-13=-742/2953

WEBS 7-13=-149/1707, 3-15=-140/1677, 4-17=-4052/1891, 6-17=-4052/1891, 5-17=-75/309, 2-16=-3883/1156, 8-12=-3896/1081, 2-15=-686/894, 8-13=-752/912

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; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-2-4 to 3-2-4, Interior (1) 3-2-4 to 11-0-0, Exterior (2) 11-0-0 to 17-0-0, Interior (1) 17-0-0 to 26-2-8, Exterior (2) 26-2-8 to 29-2-8 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). 3-4, 6-7, 4-17, 6-17
- 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 1093 lb uplift at joint 16 and 1246 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.
- 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



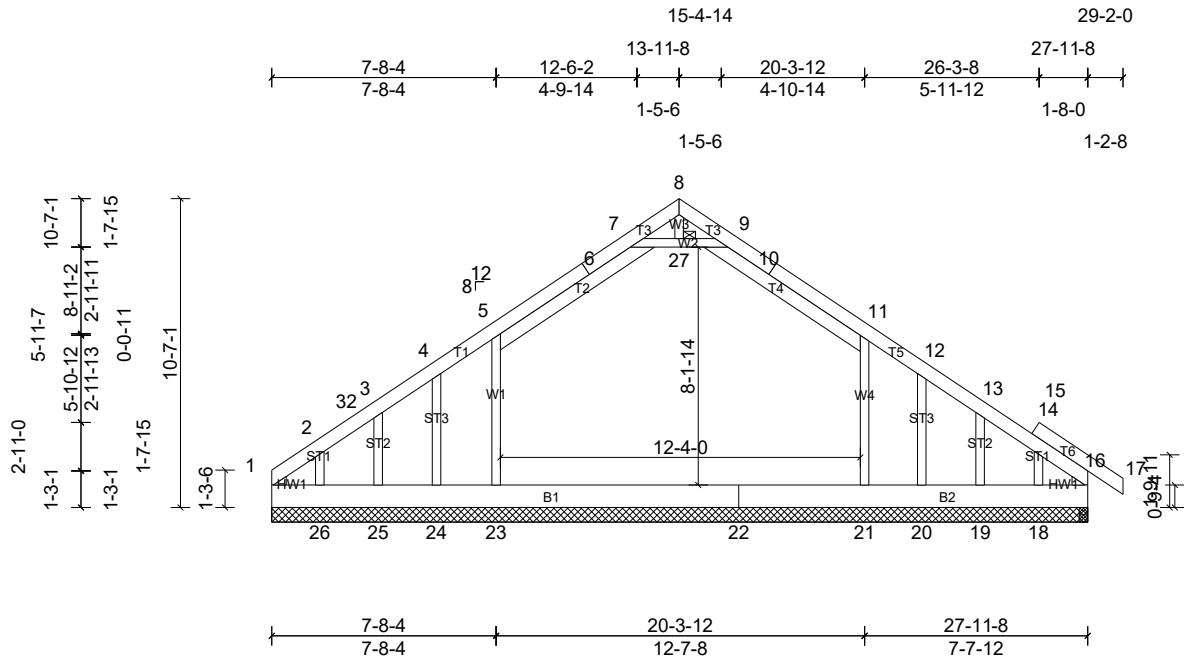
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	C6	Attic Supported Gable	1	2	

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Loading	(psf)	Spacing	4-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.04	21-23	>999	240	MT20 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.06	21-23	>999	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.10	Horz(CT)	0.01	16	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 547 lb FT = 20%

LUMBER	
TOP CHORD	2x6 SP No.2
BOT CHORD	2x10 SP No.1
WEBS	2x4 SP No.2 *Except* 8-27:2x4 SP No.3
OTHERS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2

BRACING	
TOP CHORD	2-0-0 oc purlins (6-0-0 max.) (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 8, 27

REACTIONS	All bearings 27-11-8.
(lb) - Max Horiz	1=-969 (LC 8)
Max Uplift	All uplift 100 (lb) or less at joint(s) except 1=-320 (LC 6), 16=-254 (LC 7), 18=-550 (LC 11), 19=-282 (LC 11), 20=-1068 (LC 16), 21=-484 (LC 11), 23=-490 (LC 10), 24=-1025 (LC 16), 25=-263 (LC 10), 26=-665 (LC 10)
Max Grav	All reactions 250 (lb) or less at joint (s) 20, 24 except 1=1093 (LC 19), 16=987 (LC 18), 18=392 (LC 9), 19=684 (LC 19), 21=2231 (LC 19), 23=2199 (LC 18), 25=697 (LC 18), 26=441 (LC 8)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	8-9=-324/200, 9-10=-1094/846, 10-11=-1196/847, 11-12=-937/607, 12-13=-1021/474, 13-14=-1022/348, 14-15=-795/275, 15-16=-1049/351, 1-2=-1164/419, 2-32=-1066/354, 3-32=-1002/378, 3-4=-1034/488, 4-5=-962/632, 5-6=-1197/849, 6-7=-1097/849, 7-8=-313/191
BOT CHORD	1-26=-639/917, 25-26=-291/917, 24-25=-291/917, 23-24=-291/917, 22-23=-291/917, 21-22=-291/917, 20-21=-291/917, 19-20=-291/917, 18-19=-291/917, 16-18=-325/996

WEBS	5-23=-852/844, 11-21=-867/843, 7-27=-1083/928, 9-27=-1083/928, 4-24=-320/296, 3-25=-463/423, 2-26=-367/439, 12-20=-298/289, 13-19=-465/395, 15-18=-448/345
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- 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.
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; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 10-11-8, Exterior (2) 10-11-8 to 16-11-8, Interior (1) 16-11-8 to 26-2-0, Exterior (2) 26-2-0 to 29-2-0 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.
 - Gable studs spaced at 2-0-0 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.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 489 lb uplift at joint 23, 483 lb uplift at joint 21, 319 lb uplift at joint 1, 254 lb uplift at joint 16, 1025 lb uplift at joint 24, 262 lb uplift at joint 25, 665 lb uplift at joint 26, 1068 lb uplift at joint 20, 281 lb uplift at joint 19 and 550 lb uplift at joint 18.

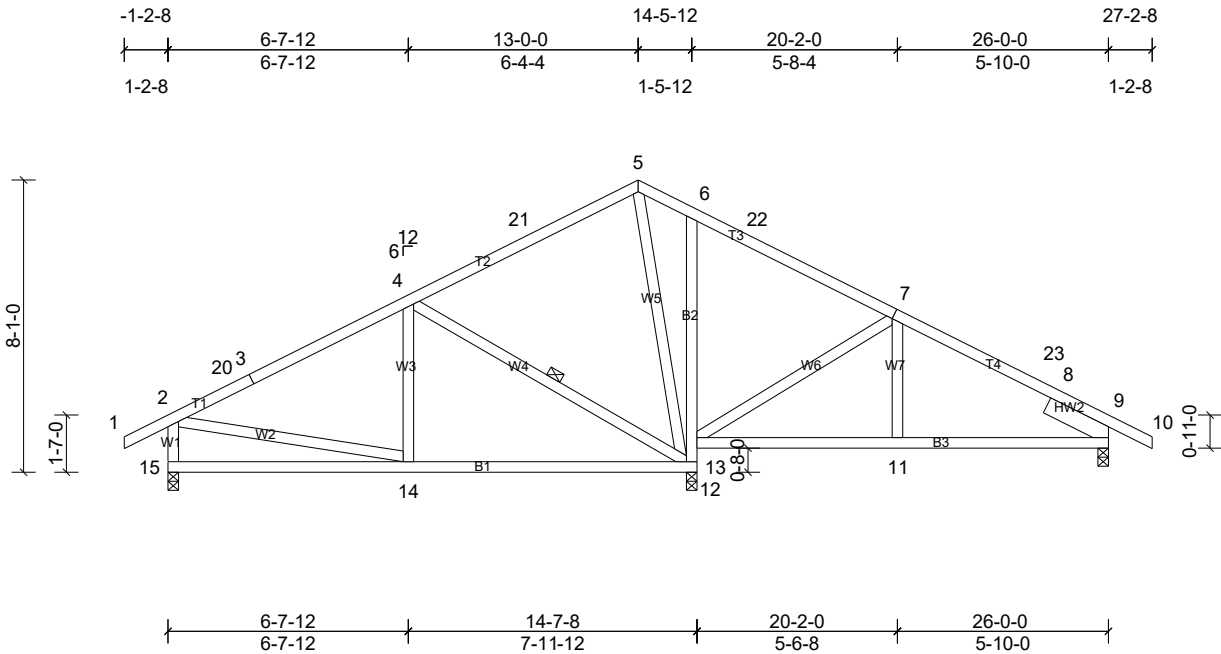
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
- Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.



Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	D1	Roof Special	2	1	



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	-0.09	13-14	>999	240	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.19	13-14	>912	180	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.02	9	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 157 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except* 13-6:2x4 SP No.3

WEBS 2x4 SP No.3

SLIDER Right 2x6 SP No.2 -- 1-11-0

BRACING

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

BOT CHORD Rigid ceiling directly applied or 9-2-0 oc bracing.

WEBS 1 Row at midpt 4-13

REACTIONS (lb/size)

9=500/0-3-8, (min. 0-1-8),

13=1093/0-3-8, (min. 0-1-8),

15=629/0-3-8, (min. 0-1-8)

Max Horiz 15=-252 (LC 8)

Max Uplift 9=-443 (LC 11), 13=-486 (LC 10),

15=-428 (LC 10)

Max Grav 9=511 (LC 22), 13=1093 (LC 1),

15=634 (LC 21)

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

TOP CHORD 2-20=-617/437, 3-20=-559/445,

3-4=-508/469, 4-21=-150/354,

5-21=-118/371, 5-6=-153/476, 6-22=-73/314,

7-22=-110/300, 7-23=-421/492,

8-23=-478/470, 2-15=-581/588

BOT CHORD 14-15=-335/265, 13-14=-405/484,

12-13=-569/567, 6-12=-260/348,

11-12=-264/382, 9-11=-263/384

WEBS 4-14=0/268, 4-13=-557/541, 5-13=-340/63,

7-12=-481/461, 2-14=-155/382

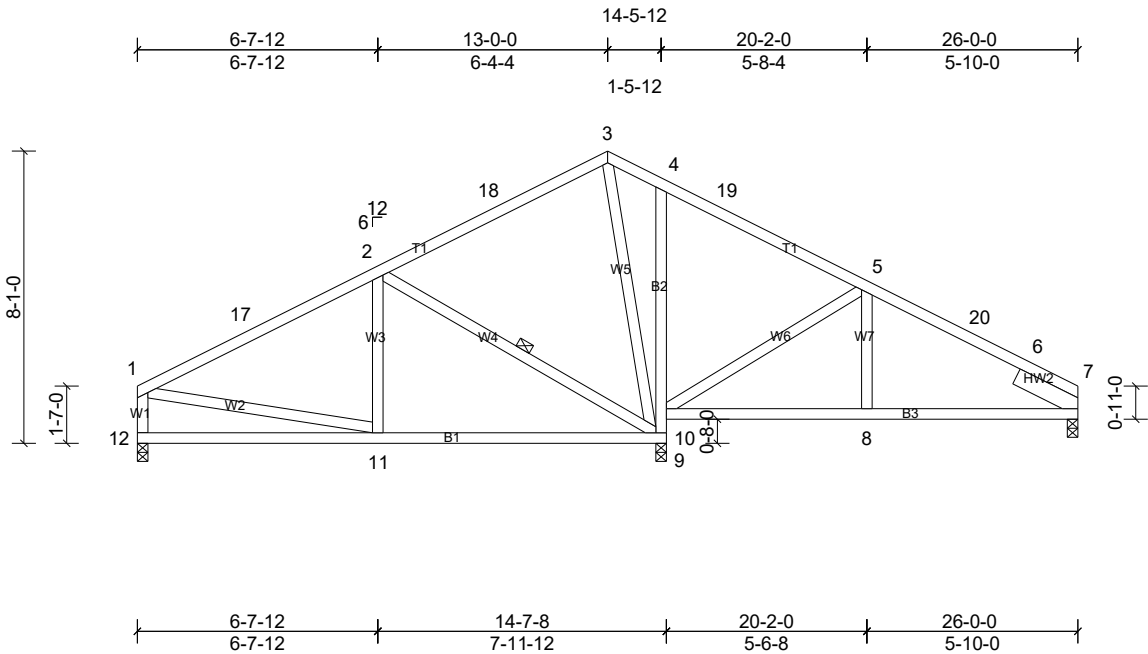
NOTES

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

2) Wind: ASCE 7-10; Vult=155mph (3-second gust) Vasd=123mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -1-2-8 to 1-9-8, Interior (1) 1-9-8 to 10-0-0, Exterior (2) 10-0-0 to 16-0-0, Interior (1) 16-0-0 to 24-2-8, Exterior (2) 24-2-8 to 27-2-8 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 428 lb uplift at joint 15, 443 lb uplift at joint 9 and 486 lb uplift at joint 13.
 - 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)** Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	D2	Roof Special	1	1	



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.09	10-11	>999	240	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.19	10-11	>912	180	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.02	7	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 153 lb FT = 20%

LUMBER		2) Wind: ASCE 7-10; Vult=155mph (3-second gust)
TOP CHORD	2x4 SP No.2	Vasd=123mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat.
BOT CHORD	2x4 SP No.2 *Except* 10-4:2x4 SP No.3	II; Exp C; Enclosed; MWFRS (envelope) exterior zone
WEBS	2x4 SP No.3	and C-C Exterior (2) 0-1-12 to 3-1-12, Interior (1) 3-1-12
SLIDER	Right 2x6 SP No.2 -- 1-11-0	to 10-0-0, Exterior (2) 10-0-0 to 16-0-0, Interior (1)
BRACING		16-0-0 to 23-0-0, Exterior (2) 23-0-0 to 26-0-0 zone;
TOP CHORD	Structural wood sheathing directly applied or	cantilever left and right exposed ; end vertical left and
	6-0-0 oc purlins, except end verticals.	right exposed;C-C for members and forces & MWFRS
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc	for reactions shown; Lumber DOL=1.60 plate grip
	bracing, Except:	DOL=1.60
	8-11-14 oc bracing: 10-11.	
WEBS	1 Row at midpt 2-10	3) This truss has been designed for a 10.0 psf bottom
REACTIONS (lb/size)		chord live load nonconcurrent with any other live loads.
	7=428/0-3-8, (min. 0-1-8),	4) * This truss has been designed for a live load of 20.0psf
	10=1094/0-3-8, (min. 0-1-8),	on the bottom chord in all areas where a rectangle
	12=547/0-3-8, (min. 0-1-8)	3-06-00 tall by 2-00-00 wide will fit between the bottom
	Max Horiz 12=-238 (LC 8)	chord and any other members.
	Max Uplift 7=-359 (LC 11), 10=-504 (LC 10),	5) Provide mechanical connection (by others) of truss to
	12=-344 (LC 10)	bearing plate capable of withstanding 359 lb uplift at joint
	Max Grav 7=439 (LC 22), 10=1094 (LC 1),	7, 344 lb uplift at joint 12 and 504 lb uplift at joint 10.
	12=550 (LC 21)	
FORCES		6) This truss is designed in accordance with the 2015
	(lb) - Max. Comp./Max. Ten. - All forces 250	International Residential Code sections R502.11.1 and
	(lb) or less except when shown.	R802.10.2 and referenced standard ANSI/TPI 1.
TOP CHORD	1-17=-624/450, 2-17=-543/471,	LOAD CASE(S) Standard
	2-18=-151/316, 3-18=-118/347,	
	3-4=-158/451, 4-19=-74/288, 5-19=-111/272,	
	5-20=-425/476, 6-20=-452/460,	
	1-12=-496/431	
BOT CHORD	11-12=-288/239, 10-11=-420/490,	
	9-10=-575/576, 4-9=-264/357, 8-9=-293/403,	
	7-8=-293/403	
WEBS	2-11=0/266, 2-10=-564/552, 3-10=-318/68,	
	5-9=-491/471, 1-11=-179/407	

NOTES

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

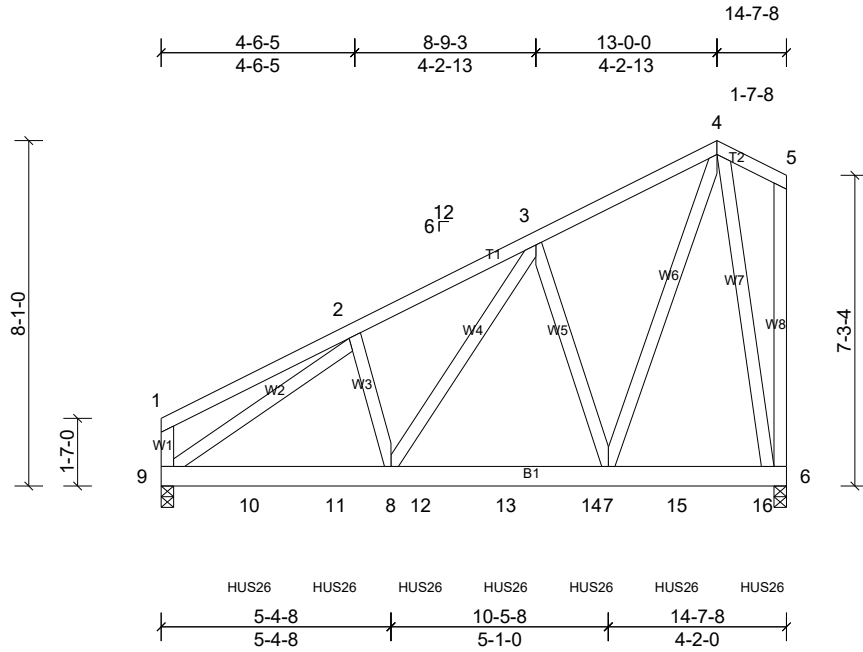
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	D3	Common Girder	1	3	

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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	0.75	Vert(LL)	0.07	7-8	>999	240	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.10	7-8	>999	180	244/190
BCLL	0.0*	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.02	6	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 367 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING

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

REACTIONS (lb/size) 6=5023/0-3-8, (min. 0-2-7), 9=4176/0-3-8, (min. 0-2-0)
Max Horiz 9=574 (LC 25)
Max Uplift 6=-2586 (LC 8), 9=-2074 (LC 8)
Max Grav 6=6230 (LC 15), 9=5110 (LC 16)

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

TOP CHORD 1-2=-744/368, 2-3=-6000/2538, 3-4=-3252/1448, 4-5=-285/229, 1-9=-449/301
BOT CHORD 9-10=-2233/5139, 10-11=-2233/5139, 8-11=-2233/5139, 8-12=-1523/3509, 12-13=-1523/3509, 13-14=-1523/3509, 7-14=-1523/3509, 7-15=-492/947, 15-16=-492/947, 6-16=-492/947
WEBS 4-6=-4610/1946, 4-7=-2623/6103, 3-7=-2222/1210, 3-8=-1554/3698, 2-8=-381/1244, 2-9=-5768/2219

NOTES

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 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; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

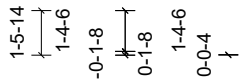
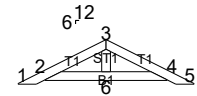
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2586 lb uplift at joint 6 and 2074 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.
- Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 14-0-12 to connect truss(es) to front face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-60, 4-5=-60, 6-9=-20
Concentrated Loads (lb)
Vert: 10=-1149 (F), 11=-1149 (F), 12=-1149 (F), 13=-1149 (F), 14=-1149 (F), 15=-1149 (F), 16=-1155 (F)



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LUMBER		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.
TOP CHORD	2x4 SP No.2	
BOT CHORD	2x4 SP No.2	
OTHERS	2x4 SP No.3	10) See standard piggyback truss connection detail for connection to base truss.
BRACING		

REACTIONS	(lb/size)	2=118/4-0-15, (min. 0-1-8),
		4=118/4-0-15, (min. 0-1-8),
		6=162/4-0-15, (min. 0-1-8)
	Max Horiz	2=45 (LC 10)
	Max Uplift	2=-92 (LC 10), 4=-101 (LC 11),
		6=-69 (LC 10)
Max Grav		2=118 (LC 21), 4=118 (LC 22),
		6=162 (LC 1)

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

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=155mph (3-second gust)
 Vasd=123mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2'-0" oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-0"-0" tall by 2'-0"-0" wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 6, 2 except (if=lb) 4=101, 4=101.

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCE and Truss Plate Institute.

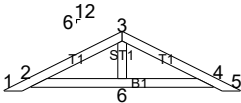
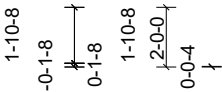
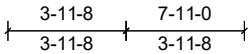


Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
24061913	PB2	Piggyback	18	1	

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										0-10-13	7-11-0	
										7-0-3		
										6-1-6		
										0-10-13	0-10-13	
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	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 24 lb	FT = 20%

LUMBER

10) See standard piggyback truss connection detail for connection to base truss.

TOP CHORD 2x4 SP No.2

LOAD CASE(S) Standard

BOT CHORD 2x4 SP No.2

OTHERS 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size)

2=157/6-1-6, (min. 0-1-8),
 4=157/6-1-6, (min. 0-1-8),
 6=246/6-1-6, (min. 0-1-8)

Max Horiz 2=63 (LC 10)

Max Uplift 2=-119 (LC 10), 4=-131 (LC 11), 6=-105 (LC 10)

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

- 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=35ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) 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.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4-0-0 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 119 lb uplift at joint 2, 131 lb uplift at joint 4, 105 lb uplift at joint 6, 119 lb uplift at joint 2 and 131 lb uplift at joint 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.