Job	Truss	Truss Type	Qty	Ply	
1010 Joe Collins - Roof	A01	Common	16	1	Job Reference (optional)

Run: 8.92 S 8.63 Jan 12 2023 Print: 8.630 S Jan 12 2023 MiTek Industries, Inc. Thu Jun 29 16:20:15 Page: 1
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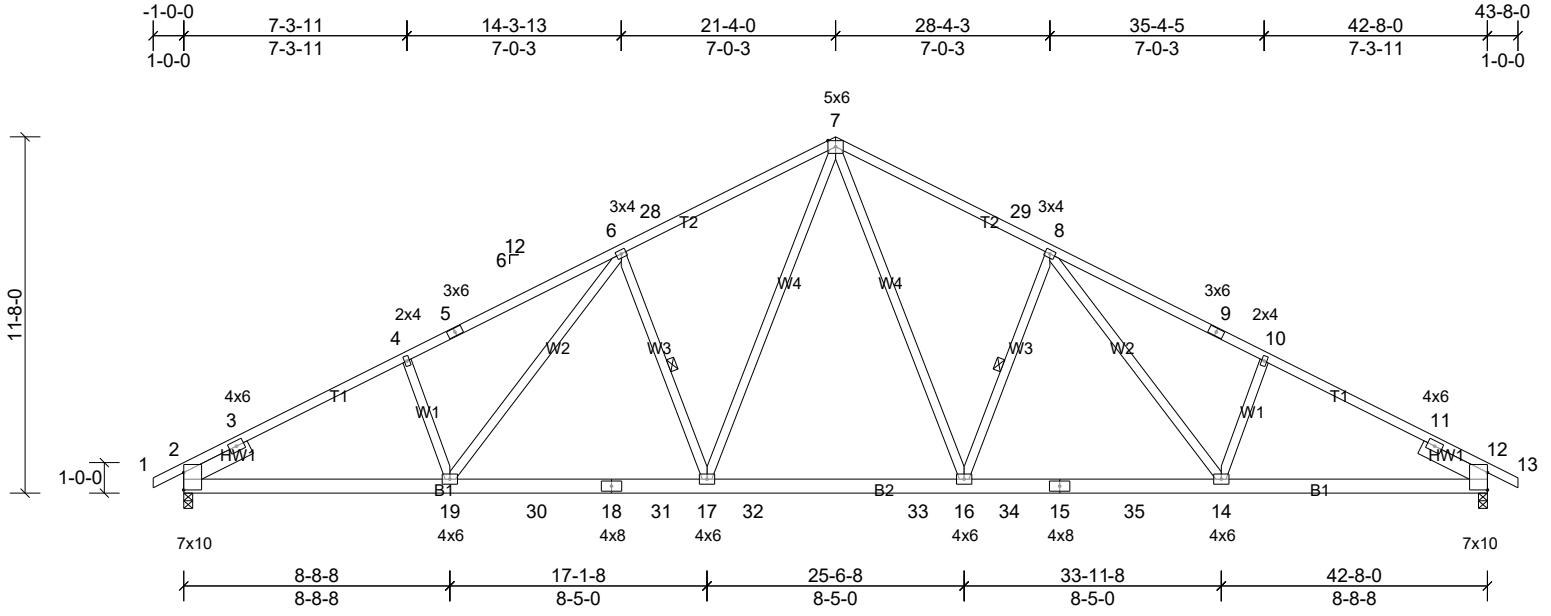

Scale = 1:75.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.92	Vert(LL)	-0.20	17-19	>999	240	MT20	244/190
Snow (Ps/Pf)	14.5/20.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.38	17-19	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.10	12	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 284 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.1
BOT CHORD	2x6 SP DSS *Except* B2:2x6 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x6 SP No.2 -- 2-5-0, Right 2x6 SP No.2 -- 2-5-0

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 8-16, 6-17

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

REACTIONS (lb/size) 2=1520/0-3-8, (min. 0-1-13), 12=1520/0-3-8, (min. 0-1-13)
Max Horiz 2=-159 (LC 17)
Max Uplift 2=-110 (LC 16), 12=-110 (LC 17)
Max Grav 2=1767 (LC 2), 12=1767 (LC 2)

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

TOP CHORD	2-3=-1146/0, 3-4=-2835/479, 4-5=-2744/508, 5-6=-2677/542, 6-28=-2348/502, 7-28=-2260/536, 7-29=-2260/536, 8-29=-2348/502, 8-9=-2677/542, 9-10=-2744/508, 10-11=-2835/479, 11-12=-913/0
BOT CHORD	2-19=-319/2465, 19-30=-209/2197, 18-30=-209/2197, 18-31=-209/2197, 17-31=-209/2197, 17-32=-59/1701, 32-33=-59/1701, 16-33=-59/1701, 16-34=-209/2197, 15-34=-209/2197, 15-35=-209/2197, 14-35=-209/2197, 12-14=-321/2465
WEBS	7-16=-166/931, 8-16=-630/269, 8-14=-89/424, 10-14=-297/191, 7-17=-166/931, 6-17=-630/269, 6-19=-88/424, 4-19=-297/191

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pf=20.0 psf (flat roof snow); Ps=14.5 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp B; Fully Exp.; Ct=1.10; Unobstructed slippery surface
4) Roof design snow load has been reduced to account for slope.
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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 110 lb uplift at joint 2 and 110 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
1010 Joe Collins - Roof	A01A	Common	5	1	Job Reference (optional)

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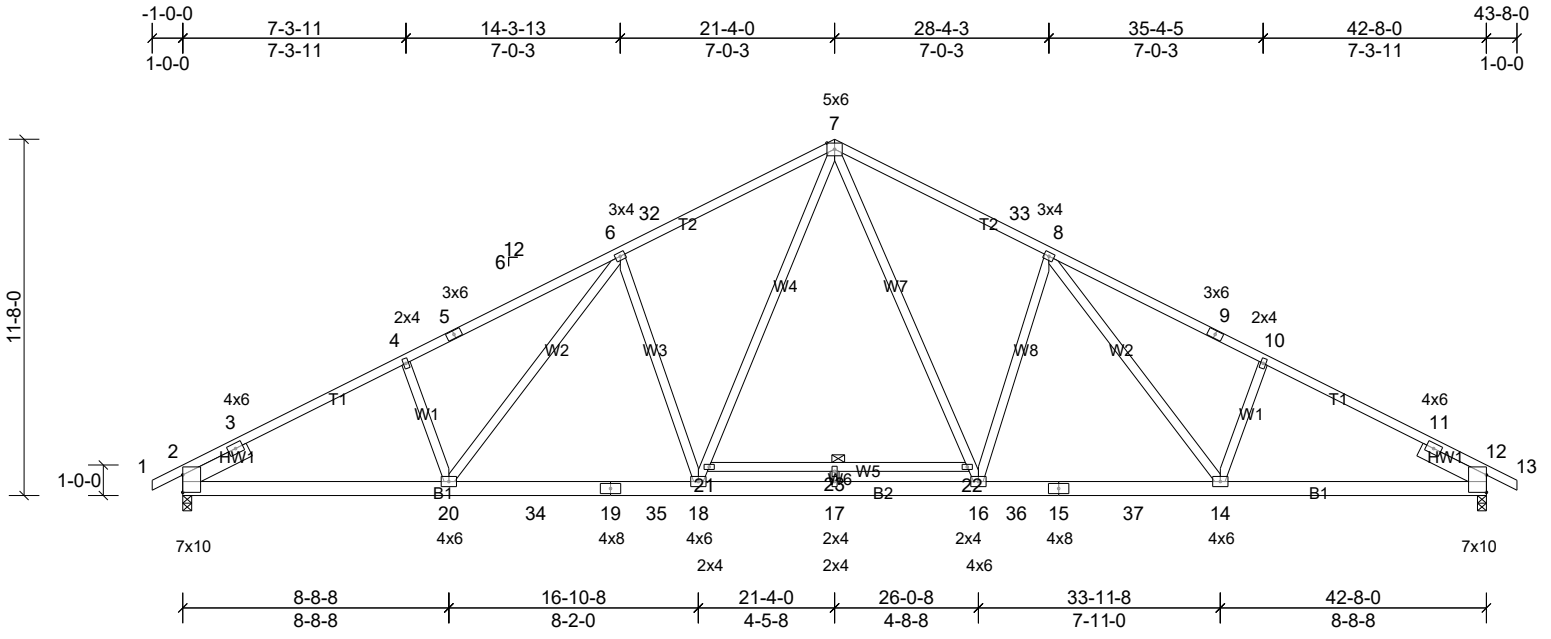

Scale = 1:75.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.83	Vert(LL)	-0.21	17	>999	240	MT20	244/190
Snow (Ps/Pf)	14.5/20.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.45	17	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.75	Horz(CT)	0.11	12	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 297 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP SS
BOT CHORD 2x6 SP DSS *Except* B2:2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 -- 2-5-0, Right 2x6 SP No.2 -- 2-5-0

REACTIONS (lb/size) 2=1694/0-3-8, (min. 0-2-0), 12=1696/0-3-8, (min. 0-2-0)
Max Horiz 2=-159 (LC 17)
Max Uplift 2=-132 (LC 16), 12=-133 (LC 17)
Max Grav 2=1969 (LC 2), 12=1971 (LC 2)

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 21-22

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1253/0, 3-4=-3166/537, 4-5=-3057/566, 5-6=-2976/601, 6-32=-2704/576, 7-32=-2599/610, 7-33=-2624/618, 8-33=-2729/584, 8-9=-2979/602, 9-10=-3060/567, 10-11=-3169/539, 11-12=-1023/0
BOT CHORD 2-20=-371/2749, 20-34=-267/2500, 19-34=-267/2500, 19-35=-267/2500, 18-35=-267/2500, 17-18=-135/2060, 16-17=-135/2060, 16-36=-267/2507, 15-36=-267/2507, 15-37=-267/2507, 14-37=-267/2507, 12-14=-374/2752
WEBS 7-22=-211/1090, 16-22=-190/958, 8-16=-591/268, 8-14=-85/323, 10-14=-283/189, 18-21=-183/956, 7-21=-202/1079, 6-18=-591/266, 6-20=-82/329, 4-20=-283/189

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pf=20.0 psf (flat roof snow); Ps=14.5 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp B; Fully Exp.; Ct=1.10; Unobstructed slippery surface
4) Roof design snow load has been reduced to account for slope.
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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 132 lb uplift at joint 2 and 133 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) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 1-7=-49, 7-13=-49, 24-28=-20, 21-23=-40 (F), 22-23=-40 (F)

Job	Truss	Truss Type	Qty	Ply	
1010 Joe Collins - Roof	A01G	Common	1	1	Job Reference (optional)

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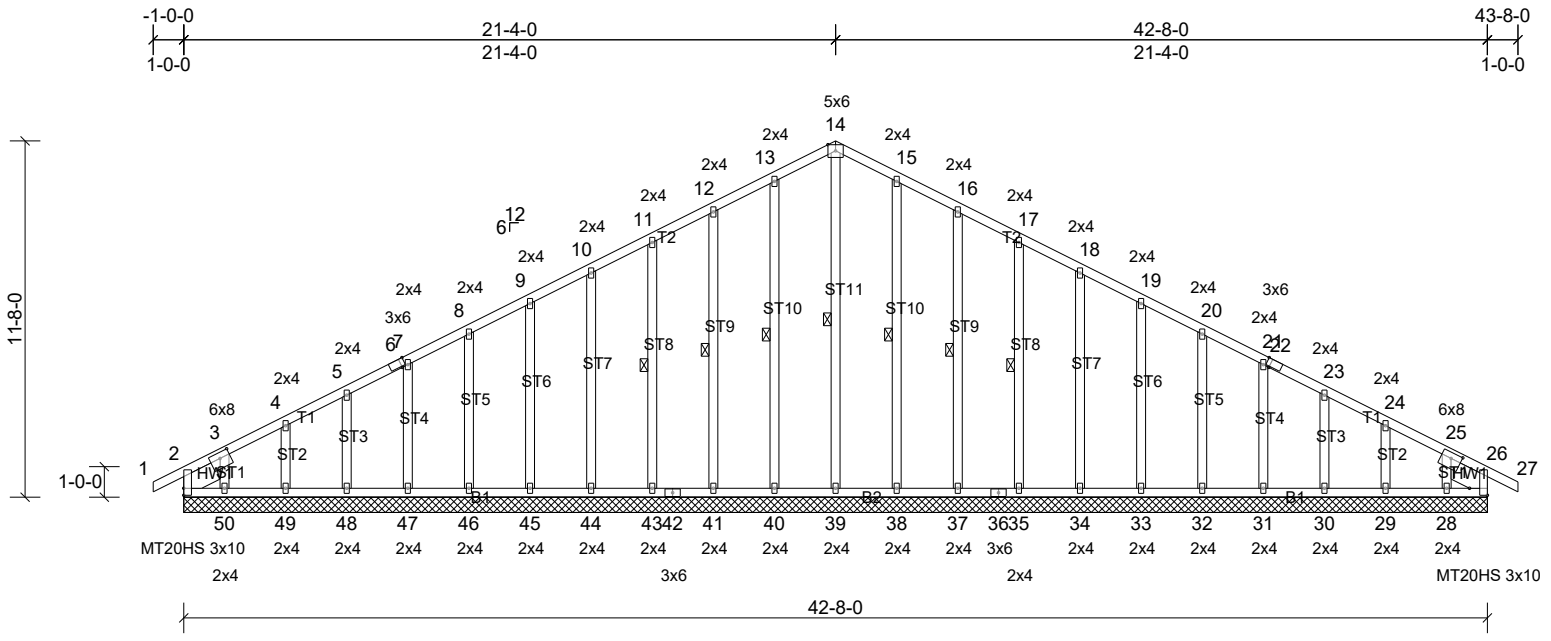

Scale = 1:75.7

Plate Offsets (X, Y): [2:Edge,0-0-0], [3:0-4-0,0-2-4], [6:0-1-9,Edge], [22:0-1-9,Edge], [25:0-4-0,0-2-4], [26:Edge,0-7-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Ps/Pf)	14.5/20.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	26	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 331 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	2x4 SP No.3
SLIDER	Left 2x8 SP DSS -- 1-6-0, Right 2x8 SP DSS -- 1-6-0

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.
WEBS	1 Row at midpt 14-39, 13-40, 12-41, 11-43, 15-38, 16-37, 17-35

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

REACTIONS All bearings 42-8-0.
(lb) - Max Horiz 2=-159 (LC 17), 51=-159 (LC 17)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 29, 30, 31, 32, 33, 34, 35, 37, 38, 40, 41, 43, 44, 45, 46, 47, 48, 49, 51 except 28=-102 (LC 17), 50=-133 (LC 16)
Max Grav All reactions 250 (lb) or less at joint(s) 2, 26, 28, 29, 30, 31, 32, 33, 34, 35, 37, 38, 39, 40, 41, 43, 44, 45, 46, 47, 48, 49, 50, 51, 55

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 13-14=-108/280, 14-15=-108/280

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pf=20.0 psf (flat roof snow); Ps=14.5 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp B; Fully Exp.; Ct=1.10; Unobstructed slippery surface
5) Roof design snow load has been reduced to account for slope.
6) Unbalanced snow loads have been considered for this design.
7) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
8) All plates are MT20 plates unless otherwise indicated.
9) Gable requires continuous bottom chord bearing.
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * 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.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 40, 41, 43, 44, 45, 46, 47, 48, 49, 38, 37, 35, 34, 33, 32, 31, 30, 29, 2 except (jt=lb) 50=132, 28=102.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
1010 Joe Collins - Roof	T01	Roof Special	1	1	Job Reference (optional)

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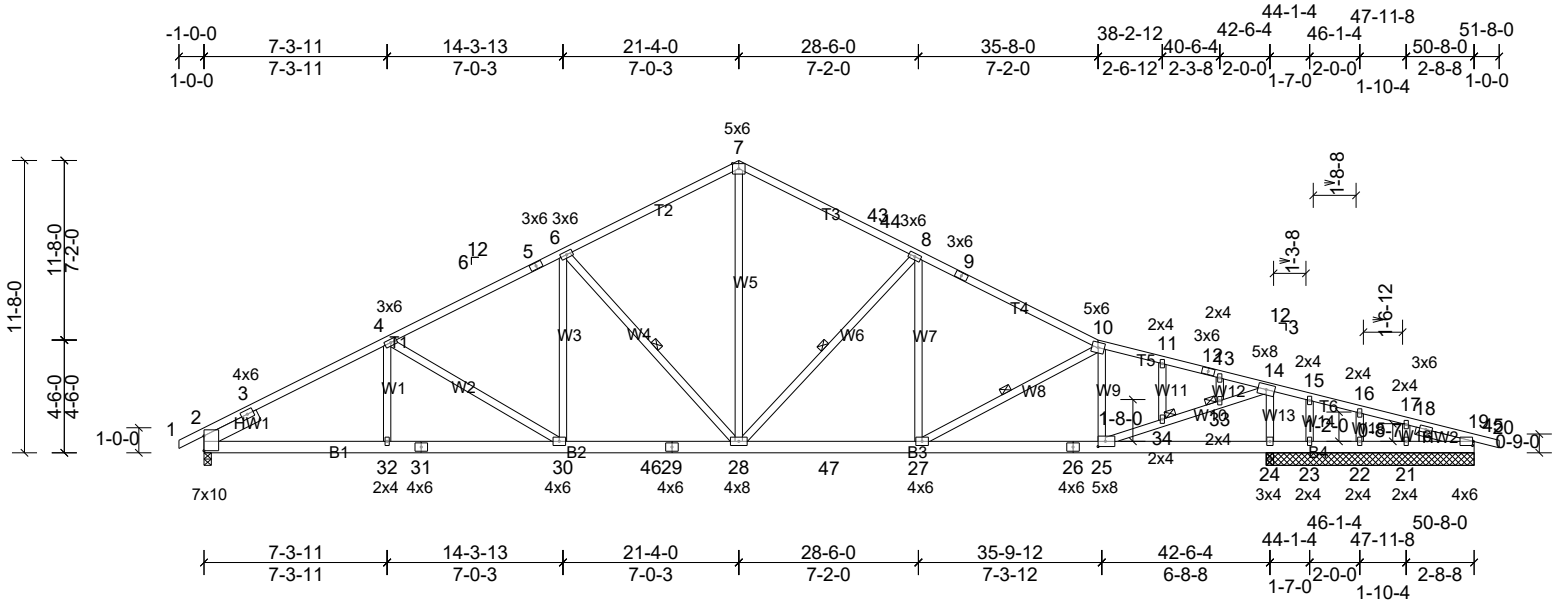

Scale = 1:92.3

Plate Offsets (X, Y): [19:0-0-5,0-2-0], [25:0-3-8,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.85	Vert(LL)	-0.14	30-32	>999	240	MT20	244/190
Snow (Ps/Pf)	14.5/20.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.29	30-32	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.06	24	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 340 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1 *Except* T4,T5,T6:2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except* B1:2x6 SP DSS
WEBS 2x4 SP No.3 *Except* W10:2x4 SP No.1
SLIDER Left 2x6 SP No.2 -- 2-5-0, Right 2x4 SP No.3 -- 2-4-1

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-28, 8-28, 10-27
JOINTS 1 Brace at Jt(s): 33, 34

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

REACTIONS All bearings 8-3-8. except 2=0-3-8, 24=0-3-8
(lb) - Max Horiz 2=160 (LC 20)
Max Uplift All uplift 100 (lb) or less at joint(s) 21, 22 except 2=-110 (LC 16), 19=-219 (LC 31), 23=-322 (LC 2), 24=-125 (LC 17), 35=-219 (LC 31)
Max Grav All reactions 250 (lb) or less at joint(s) 19, 22, 23, 35 except 2=1700 (LC 2), 21=334 (LC 41), 24=2444 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1058/0, 3-4=-2650/452, 4-5=-2338/438, 5-6=-2168/458, 6-7=-1786/442, 7-43=-1681/442, 43-44=-1737/411, 8-44=-1789/408, 8-9=-2037/436, 9-10=-2209/415, 10-11=-1877/350, 11-12=-1888/339, 12-13=-1913/334, 13-14=-1942/331, 14-15=-102/937, 15-16=-103/887, 16-17=-123/892, 17-18=-141/921, 18-19=-52/304
BOT CHORD 2-32=-294/2296, 31-32=-294/2296, 30-31=-294/2296, 30-46=-181/2016, 29-46=-181/2016, 28-29=-181/2016, 28-47=-169/1902, 27-47=-169/1902, 26-27=-220/1863, 25-26=-220/1863, 24-25=-855/162, 23-24=-855/162, 22-23=-855/162, 21-22=-855/162, 19-21=-855/162
WEBS 10-25=-899/221, 25-34=-389/2856, 33-34=-394/2849, 14-33=-396/2853, 4-30=-374/134, 6-30=0/446, 6-28=-825/222, 7-28=-228/1147, 8-28=-641/201, 8-27=0/288, 14-24=-2094/400

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.33
3) ** TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pf=20.0 psf (flat roof snow); Ps= varies (min. roof snow=14.5 psf Lumber DOL=1.15 Plate DOL=1.00) see load cases; Category II; Exp B; Fully Exp.; Ct=1.10; Unobstructed slippery surface
4) Roof design snow load has been reduced to account for slope.
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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 100 lb uplift at joint(s) 22, 21 except (jt=lb) 19=218, 2=110, 23=322, 24=125, 19=218.
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

Continued on page 2

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 1-7=-49, 7-10=-49, 10-20=-57, 35-39=-20

Job	Truss	Truss Type	Qty	Ply	
1010 Joe Collins - Roof	T02	Roof Special	9	1	Job Reference (optional)

Run: 8.92 S 8.63 Jan 12 2023 Print: 8.630 S Jan 12 2023 MiTek Industries, Inc. Thu Jun 29 16:20:15 Page: 1
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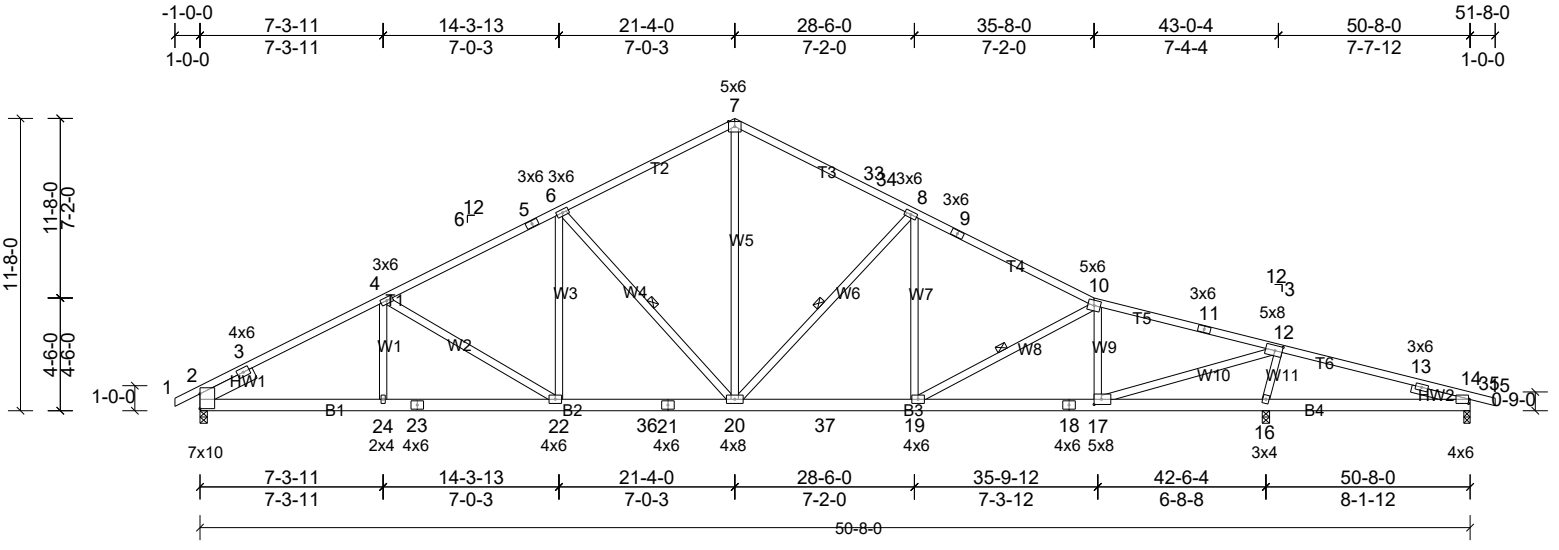


Scale = 1:92.3

Plate Offsets (X, Y): [12:0-3-8,0-2-8], [14:0-0-5,0-2-0], [17:0-3-8,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.89	Vert(LL)	-0.15	22-24	>999	240	MT20	244/190
Snow (Ps/Pf)	14.5/20.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.30	22-24	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.07	16	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 330 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.1 *Except* T4,T5:2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except* B1:2x6 SP DSS
WEBS 2x4 SP No.3 *Except* W10:2x4 SP No.2
SLIDER Left 2x6 SP No.2 -- 2-5-0, Right 2x4 SP No.3 -- 2-4-1

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 16-17,14-16.
WEBS 1 Row at midpt 6-20, 8-20, 10-19

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

REACTIONS (lb/size) 2=1485/0-3-8, (min. 0-1-12), 14=208/0-3-0, (min. 0-1-8), 16=2030/0-3-8, (min. 0-2-11)
Max Horiz 2=160 (LC 20)
Max Uplift 2=-109 (LC 16), 14=-97 (LC 13), 16=-132 (LC 17)
Max Grav 2=1721 (LC 2), 14=379 (LC 41), 16=2255 (LC 2)

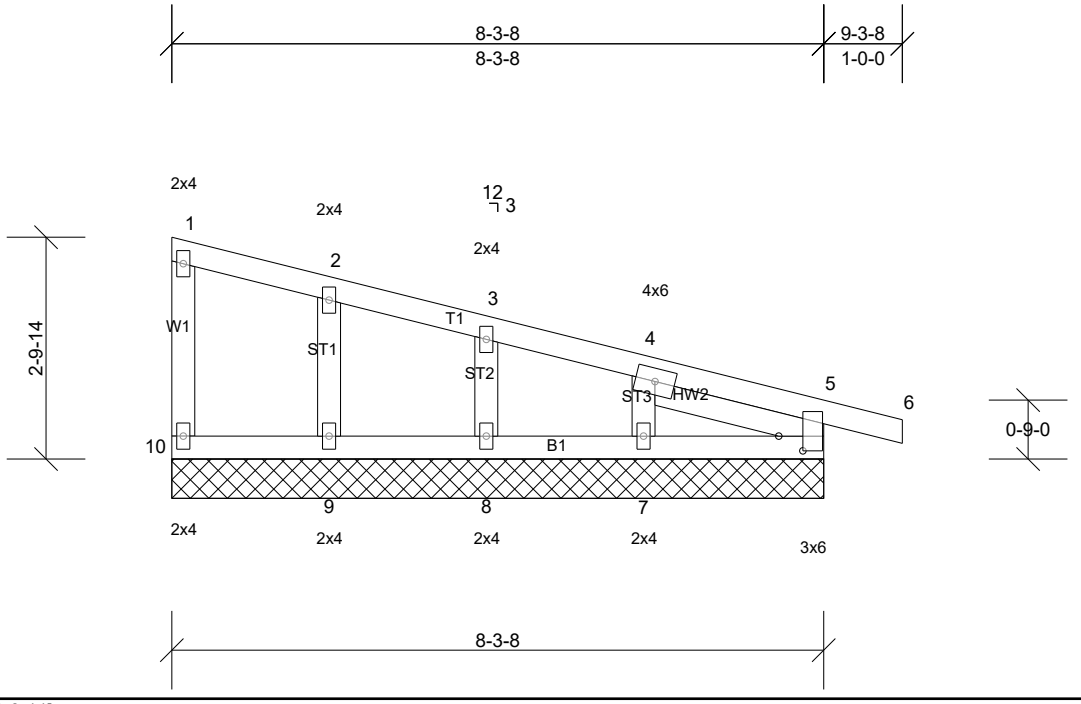
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1080/0, 3-4=-2689/456, 4-5=-2381/443, 5-6=-2212/462, 6-7=-1830/447, 7-33=-1725/447, 33-34=-1795/416, 8-34=-1833/412, 8-9=-2124/445, 9-10=-2297/424, 10-11=-2066/368, 11-12=-2128/355, 12-13=-16/438
BOT CHORD 2-24=-298/2331, 23-24=-298/2331, 22-23=-298/2331, 22-36=-186/2055, 21-36=-186/2055, 20-21=-186/2055, 20-37=-179/1981, 19-37=-179/1981, 18-19=-242/2033, 17-18=-242/2033, 16-17=-828/182, 14-16=-355/75
WEBS 10-17=-832/223, 12-17=-428/2968, 12-16=-2034/422, 4-22=-370/133, 6-22=0/445, 6-20=-824/222, 7-20=-232/1186, 8-20=-692/208, 8-19=0/338

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.33
3) ** TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pf=20.0 psf (flat roof snow); Ps= varies (min. roof snow=14.5 psf Lumber DOL=1.15 Plate DOL=1.00) see load cases; Category II; Exp B; Fully Exp.; Ct=1.10; Unobstructed slippery surface
4) Roof design snow load has been reduced to account for slope.
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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 97 lb uplift at joint 14, 132 lb uplift at joint 16 and 109 lb uplift at joint 2.
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
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 1-7=-49, 7-10=-49, 10-15=-57, 25-29=-20

Job	Truss	Truss Type	Qty	Ply	
1010 Joe Collins - Roof	TGE01	Roof Special Supported Gable	1	1	Job Reference (optional)

Run: 8.92 S 8.63 Jan 12 2023 Print: 8.630 S Jan 12 2023 MiTek Industries, Inc. Thu Jun 29 16:20:15 Page: 1
ID:_jZcrhJAbVj2_NOkXTs1igz27IU-oz26fE_fXWSAGsTTCfnkgdCpguoAaiVWJ7obk9z1Ny_



Scale = 1:29.4

Plate Offsets (X, Y): [5:0-2-4,0-3-11]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Ps/Pf)	18.7/20.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 39 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
SLIDER	Right 2x4 SP No.3 -- 2-3-0

BRACING

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

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

REACTIONS All bearings 8-3-8.
(lb) - Max Horiz 10=-85 (LC 14)
Max Uplift All uplift 100 (lb) or less at joint(s) 5, 7, 8, 9, 10, 11
Max Grav All reactions 250 (lb) or less at joint(s) 5, 7, 8, 9, 10, 11

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

NOTES

1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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=1.33
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.00); Pf=20.0 psf (flat roof snow); Ps=18.7 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.00); Category II; Exp B; Fully Exp.; Ct=1.10; Unobstructed slippery surface
4) Roof design snow load has been reduced to account for slope.
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 5, 9, 8, 7, 5.
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