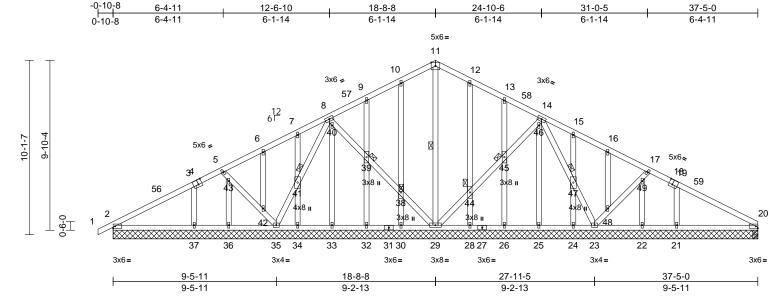
Qty Job Truss Truss Type Ply 149386640 2975058 A1E 2 Common Supported Gable Job Reference (optional)

Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:31 ID:dbSoQBloiNGJudmn1oSS31yMZdt-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:66.9

Plate Offsets (X, Y): [4:0-2-8,0-3-4], [18:0-2-8,0-	3-4]	l
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	21-55	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.03	21-55	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	53	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.01	21-55	>999	240		
BCDL	10.0										Weight: 228 lb	FT = 20%

LUMBER

2x4 SPF 1650F 1.5E TOP CHORD 2x4 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2 **OTHERS** 2x4 SPF 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.

WEBS 1 Row at midpt 11-29 1 Brace at Jt(s): 38, JOINTS

39, 41, 44, 45, 47

REACTIONS (lb/size) 2=257/37-5-0, 20=204/37-5-0, 21=349/37-5-0, 22=81/37-5-0,

23=170/37-5-0, 24=155/37-5-0, 25=99/37-5-0, 26=159/37-5-0, 28=162/37-5-0, 29=178/37-5-0, 30=162/37-5-0, 32=159/37-5-0, 33=99/37-5-0, 34=155/37-5-0, 35=175/37-5-0, 36=87/37-5-0, 37=338/37-5-0, 50=257/37-5-0,

53=204/37-5-0 Max Horiz 2=83 (LC 13), 50=83 (LC 13)

21=-9 (LC 17), 24=-17 (LC 17), Max Uplift

26=-10 (LC 17), 28=-2 (LC 17), 30=-3 (LC 16), 32=-9 (LC 16), 34=-18 (LC 16), 37=-11 (LC 16) Max Grav 2=298 (LC 2), 20=234 (LC 2), 21=399 (LC 38), 22=92 (LC 2), 23=195 (LC 2), 24=181 (LC 2),

25=110 (LC 2), 26=216 (LC 24), 28=234 (LC 24), 29=205 (LC 2), 30=232 (LC 23), 32=210 (LC 23), 33=110 (LC 2), 34=181 (LC 2),

35=202 (LC 2), 36=100 (LC 2), 37=387 (LC 37), 50=298 (LC 2),

53=234 (LC 2)

(lb) - Maximum Compression/Maximum

Tension

FORCES

TOP CHORD 1-2=0/27, 2-3=-177/49, 3-5=-157/96

5-6=-111/96, 6-7=-84/130, 7-8=-99/170 8-9=-76/124, 9-10=-75/163, 10-11=-88/197, 11-12=-88/199, 12-13=-76/165,

13-14=-74/126, 14-15=-108/183, 15-16=-92/143, 16-17=-120/109, 17-19=-169/110, 19-20=-186/30

BOT CHORD 2-37=-60/121, 36-37=-9/121, 35-36=-9/121, 34-35=0/106, 33-34=0/106, 32-33=0/106,

30-32=0/106, 29-30=0/106, 28-29=0/106, 26-28=0/106, 25-26=0/106, 24-25=0/106, 23-24=0/106, 22-23=0/110, 21-22=0/110,

20-21=-64/110

WEBS

11-29=-103/8, 29-44=-59/85, 44-45=-59/85, 45-46=-57/89, 14-46=-112/89, 14-47=-60/21, 23-47=-60/20, 23-48=-124/74, 48-49=-34/38,

17-49=-92/51, 8-40=-107/81, 39-40=-52/82, 38-39=-55/78, 29-38=-54/78, 35-41=-48/18,

8-41=-48/19, 5-43=-93/51, 42-43=-32/37, 35-42=-122/73, 10-38=-190/108,

30-38=-192/107, 9-39=-176/87. 32-39=-171/92, 33-40=-66/5, 7-41=-162/68,

34-41=-160/68, 6-42=-121/49, 36-43=-87/20, 3-37=-269/134, 12-44=-192/108,

28-44=-194/107, 13-45=-181/87, 26-45=-177/92, 25-46=-66/4, 15-47=-162/69,

24-47=-161/69, 16-48=-120/48,

22-49=-82/18, 19-21=-274/162

NOTES

Unbalanced roof live loads have been considered for this design.





Job	Truss	Truss Type	Qty	Ply	
2975058	A1E	Common Supported Gable	2	1	Job Reference (optional)

Run: 8.43 S. Oct 11.2021 Print: 8.430 S. Oct 11.2021 MiTek Industries. Inc. Tue Dec 21.15:19:31), ID:dbSoQBloiNGJudmn1oSS31yMZdt-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 2

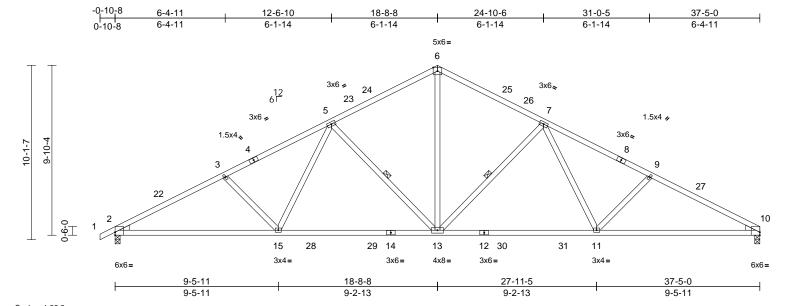
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) -0-10-8 to 2-10-6, Exterior (2) 2-10-6 to 18-8-8, Corner (3) 18-8-8 to 22-8-8, Exterior (2) 22-8-8 to 37-5-0 zone; cantilever left and right exposed; 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. 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- 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.
- 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) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 30, 32, 34, 37, 28, 26, 24, and 21. This connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard



Qty Job Truss Truss Type Ply 149386641 2975058 Α2 Common 12 Job Reference (optional)

Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:32 ID:Z_ZYrsK2E_W17xw99DVw9SyMZdr-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:66.9

Plate Offsets (X, Y): [2:Edge,0-2-1], [10):Edge,0-2-1]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	-0.31	13-15	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.53	13-15	>852	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.13	10	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.07	13-15	>999	240		
BCDL	10.0										Weight: 149 lb	FT = 20%

LUMBER

2x4 SPF 1650F 1.5E TOP CHORD 2x4 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2 WEDGE Left: 2x4 SP No.3 Right: 2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-8-5 oc purlins.

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

bracing. WEBS

1 Row at midpt 7-13. 5-13 REACTIONS 2=1520/0-3-8, 10=1468/0-3-8 (lb/size)

Max Horiz 2=83 (LC 13)

Max Grav 2=1746 (LC 2), 10=1683 (LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-2=0/27, 2-3=-3085/92, 3-5=-2785/96,

5-6=-1981/140, 6-7=-1981/142,

7-9=-2790/106, 9-10=-3091/105

BOT CHORD 2-15=-70/2668, 13-15=0/2198, 11-13=0/2199,

10-11=-90/2674

6-13=-17/1289, 7-13=-774/94, 7-11=0/517,

9-11=-389/111, 5-13=-772/93, 5-15=0/513,

3-15=-385/102

NOTES

WEBS

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

- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) -0-10-8 to 2-10-6, Interior (1) 2-10-6 to 18-8-8, Exterior (2) 18-8-8 to 22-5-6, Interior (1) 22-5-6 to 37-5-0 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 4) Unbalanced snow loads have been considered for this desian.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- 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.

LOAD CASE(S) Standard







Job Truss Truss Type Qtv Ply 149386642 2975058 A₂E Common Supported Gable Job Reference (optional)

> Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:33 ID:CUipfXsbQ0bZyxRfMXIm3DyMZeS-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

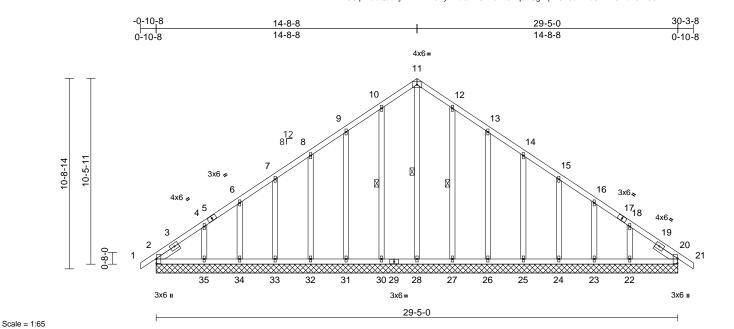


Plate Offsets (X, Y): [2:0-3-0,0-0-3], [20:0-3-5,0-0-3]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	20	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 163 lb	FT = 20%

LUMBER

2x4 SPF 1650F 1.5E TOP CHORD 2x4 SPF 1650F 1.5E BOT CHORD **OTHERS** 2x4 SPF No.2

SLIDER Left 2x4 SPF No.2 -- 1-6-0, Right 2x4 SPF

No.2 -- 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 11-28, 10-30, 12-27

REACTIONS (lb/size) 2=171/29-5-0, 20=171/29-5-0, 22=201/29-5-0, 23=143/29-5-0,

24=161/29-5-0, 25=156/29-5-0, 26=157/29-5-0, 27=161/29-5-0, 28=112/29-5-0, 30=161/29-5-0, 31=157/29-5-0, 32=156/29-5-0,

33=161/29-5-0, 34=143/29-5-0, 35=201/29-5-0, 36=171/29-5-0, 40=171/29-5-0

Max Horiz 2=161 (LC 13), 36=161 (LC 13) Max Uplift 2=-25 (LC 10), 22=-37 (LC 15),

23=-5 (LC 15), 24=-15 (LC 15), 25=-12 (LC 15), 26=-16 (LC 15), 27=-7 (LC 15), 30=-9 (LC 14), 31=-15 (LC 14), 32=-12 (LC 14),

33=-15 (LC 14), 34=-3 (LC 14), 35=-42 (LC 14), 36=-25 (LC 10) Max Grav 2=211 (LC 27), 20=200 (LC 2), 22=236 (LC 27), 23=164 (LC 2), 24=184 (LC 31), 25=179 (LC 2),

26=180 (LC 2), 27=188 (LC 31), 28=157 (LC 29), 30=188 (LC 30), 31=180 (LC 2), 32=179 (LC 2), 33=184 (LC 30), 34=164 (LC 2)

35=243 (LC 26), 36=211 (LC 27),

40=200 (LC 2)

(lb) - Maximum Compression/Maximum

Tension

1-2=0/34, 2-4=-144/123, 4-6=-136/91, TOP CHORD 6-7=-127/85, 7-8=-120/84, 8-9=-117/110,

9-10=-157/159, 10-11=-192/199, 11-12=-192/199, 12-13=-157/159, 13-14=-117/110, 14-15=-80/65

15-16=-86/34, 16-18=-96/37, 18-20=-96/82,

20-21=0/34

BOT CHORD 2-35=-76/124, 34-35=-76/124,

33-34=-76/124, 32-33=-76/124, 31-32=-76/124, 30-31=-76/124,

28-30=-76/124, 27-28=-76/124, 26-27=-76/124, 25-26=-76/124, 24-25=-76/124, 23-24=-76/124,

22-23=-76/124, 20-22=-76/124 11-28=-173/110, 10-30=-148/49,

9-31=-140/63, 8-32=-140/57, 7-33=-142/60, 6-34=-132/53, 4-35=-172/80, 12-27=-148/49,

13-26=-140/63, 14-25=-140/57 15-24=-142/60, 16-23=-132/53,

18-22=-168/80

NOTES

WFBS

FORCES

Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) -0-10-8 to 2-1-8, Exterior (2) 2-1-8 to 14-8-8, Corner (3) 14-8-8 to 17-8-8, Exterior (2) 17-8-8 to 30-3-8 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

Page: 1

- 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.;
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- All plates are 1.5x4 MT20 unless otherwise indicated.





Job	Truss	Truss Type	Qty	Ply	
2975058	A2E	Common Supported Gable	1	1	Job Reference (optional)

Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:33 ID: CUipfXsbQ0bZyxRfMXIm3DyMZeS-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?ff

Page: 2

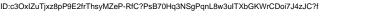
-), Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 11) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 30, 31, 32, 33, 34, 35, 27, 26, 25, 24, 23, and 22. This connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard



Ply Job Truss Truss Type Qty 149386643 2975058 **A3** Roof Special 3 Job Reference (optional)

Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:33



Page: 1

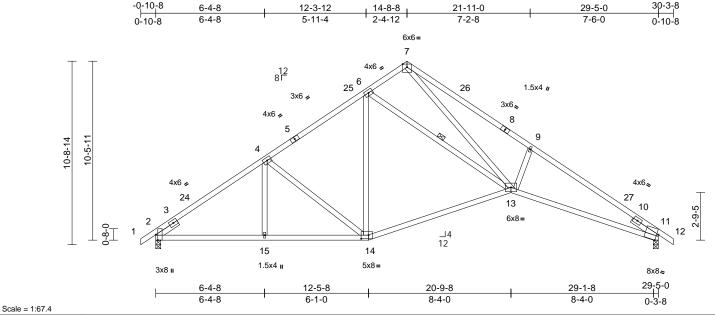


Plate Offsets (X, Y): [2:0-3-13,Edge], [11:0-1-3,Edge], [14:0-5-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.23	13-14	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.54	13-14	>651	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.25	11	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.07	13-14	>999	240		
BCDL	10.0										Weight: 136 lb	FT = 20%

LUMBER

WFBS

2x4 SPF 1650F 1.5E *Except* 7-8,8-12:2x4 TOP CHORD

SP 2400F 2.0E

BOT CHORD 2x4 SPF 1650F 1.5E WEBS 2x4 SPF No.2

SLIDER Left 2x4 SPF No.2 -- 1-6-0, Right 2x4 SPF

No.2 -- 1-10-0

BRACING TOP CHORD

Structural wood sheathing directly applied or

3-1-0 oc purlins.

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

bracing.

6-13 1 Row at midpt

REACTIONS (lb/size) 2=1206/0-3-8, 11=1206/0-3-8

Max Horiz 2=161 (LC 13)

Max Grav 2=1385 (LC 2), 11=1385 (LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/34, 2-4=-1880/50, 4-6=-1470/102, 6-7=-1103/98, 7-9=-3043/91, 9-11=-3226/20,

11-12=0/34

BOT CHORD 2-15=-70/1480, 14-15=0/1480,

13-14=0/1202, 11-13=-53/2722

WEBS 4-15=0/227, 4-14=-467/72, 6-14=0/223, 6-13=-412/84, 7-13=-34/2396, 9-13=-395/154

NOTES

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

- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 14-8-8, Exterior (2) 14-8-8 to 17-8-8. Interior (1) 17-8-8 to 30-3-8 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.;
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- 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) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

LOAD CASE(S) Standard



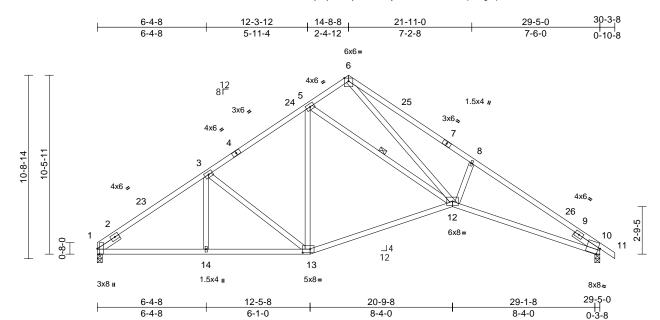
December 22,2021





Ply Job Truss Truss Type Qtv 149386644 2975058 **A4** Roof Special Job Reference (optional)

Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:34 ID:ZRWijEwjFYDs2jJd94uxmHyMZeN-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:67.4 Plate Offsets (X, Y): [1:0-3-13,Edge], [10:0-1-3,Edge], [13:0-5-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.23	12-13	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.54	12-13	>651	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.25	10	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.07	12-13	>999	240		
BCDL	10.0										Weight: 135 lb	FT = 20%

LUMBER

2x4 SPF 1650F 1.5E *Except* 6-7,7-11:2x4 TOP CHORD

SP 2400F 2.0E 2x4 SPF 1650F 1.5E

BOT CHORD WEBS 2x4 SPF No.2

SLIDER Left 2x4 SPF No.2 -- 1-6-0, Right 2x4 SPF

No.2 -- 1-10-0

BRACING TOP CHORD

WEBS

Structural wood sheathing directly applied or

3-1-0 oc purlins.

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

bracing.

5-12 1 Row at midpt

REACTIONS (lb/size) 1=1154/0-3-8, 10=1207/0-3-8

Max Horiz 1=-158 (LC 10)

Max Grav 1=1323 (LC 2), 10=1386 (LC 2) **FORCES**

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-3=-1886/56. 3-5=-1472/104. 5-6=-1104/99.

6-8=-3045/94. 8-10=-3229/22. 10-11=0/34

BOT CHORD 1-14=-72/1487, 13-14=0/1487

12-13=0/1204, 10-12=-54/2724 **WEBS** 3-14=0/228, 3-13=-473/78, 5-13=0/224,

5-12=-413/84, 6-12=-36/2398, 8-12=-395/153

NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 14-8-8, Exterior (2) 14-8-8 to 17-8-8, Interior (1) 17-8-8 to 30-3-8 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) TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- 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) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

LOAD CASE(S) Standard



Page: 1

December 22,2021

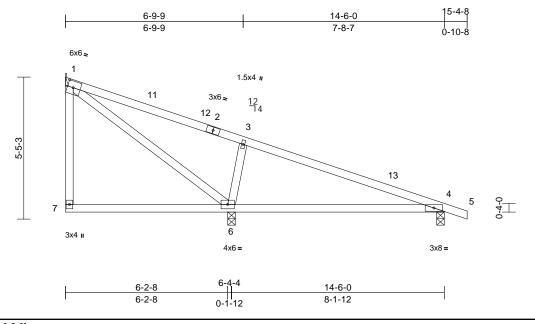




Job Truss Truss Type Qty Ply 149386645 2975058 В1 Roof Special 8 Job Reference (optional)

> Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:34 ID:1e44wawM0sMjgsupjoPAJUyMZeM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:44.1

Plate Offsets (X, Y): [1:0-2-11,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	-0.10	6-10	>992	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.22	6-10	>452	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.05	6-10	>999	240		
BCDL	10.0										Weight: 52 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5F 2x4 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2

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) 1=188/ Mechanical, 4=333/0-3-8,

6=657/0-3-8 Max Horiz 1=-123 (LC 14)

Max Uplift 4=-6 (LC 13)

1=248 (LC 24), 4=385 (LC 2), Max Grav

6=753 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-7=0/89, 1-3=-108/90, 3-4=-178/52,

4-5=0/19

BOT CHORD 6-7=-52/65, 4-6=0/159 WEBS 1-6=-46/85. 3-6=-558/118

NOTES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 14-4-4 to 17-4-4, Interior (1) 17-4-4 to 29-7-0 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.

- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- 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.
- Refer to girder(s) for truss to truss connections.
- One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral
- Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard



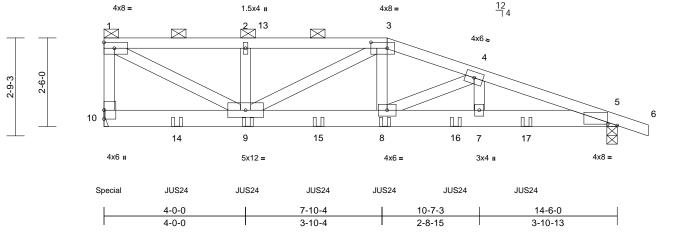




Ply Job Truss Truss Type Qty 149386646 2975058 B1G Roof Special Girder Job Reference (optional)

Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:34 ID:zZFhUuMxXvuc_PekqM2dm4yMZdo-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:32.5

Plate Offsets (X, Y): [3:0-5-8,0-2-0], [5:0-3-5,0-0-7]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.09	7-8	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.15	7-8	>999	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.03	5	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.02	7-8	>999	240		
BCDL	10.0										Weight: 63 lb	FT = 20%

LUMBER

2x4 SPF No.2 *Except* 3-6:2x4 SPF 1650F TOP CHORD

1.5E

BOT CHORD 2x6 SPF 1650F 1.5E WEBS 2x4 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-7-13 oc purlins, except end verticals, and 2-0-0 oc purlins (3-8-11 max.): 1-3.

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

bracing.

REACTIONS (lb/size) 5=1371/0-3-8, 10=1587/

Mechanical

Max Horiz 10=-57 (LC 8)

Max Grav 5=1511 (LC 32), 10=1738 (LC 31)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-10=-1308/0, 1-2=-2140/0, 2-3=-2140/0,

3-4=-2766/0, 4-5=-3501/0, 5-6=0/30 BOT CHORD 9-10=0/76, 8-9=0/2669, 7-8=0/3301,

5-7=0/3301

WFBS 1-9=0/2377, 2-9=-392/49, 3-9=-678/0,

3-8=0/934, 4-8=-917/0, 4-7=0/403

NOTES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0
- Unbalanced snow loads have been considered for this design.

- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- 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.
- Refer to girder(s) for truss to truss connections.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 10) Use USP JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 11-11-4 to connect truss(es) to front face of bottom chord.
- 11) Fill all nail holes where hanger is in contact with lumber.
- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 273 lb down at 0-1-12 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.
- 13) 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

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-3=-59, 3-6=-59, 5-10=-20

Concentrated Loads (lb)

Vert: 10=-257 (F), 9=-246 (F), 8=-246 (F), 14=-246 (F), 15=-246 (F), 16=-237 (F), 17=-303 (F)



December 22,2021

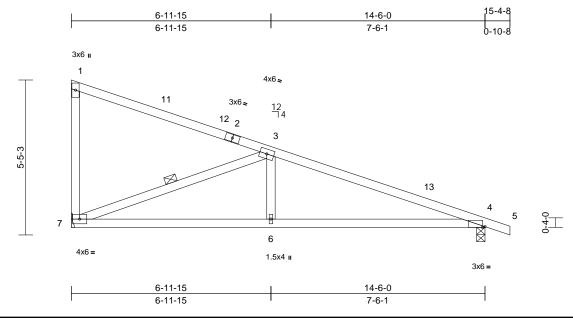




Ply Qty Job Truss Truss Type 149386647 2975058 B2 Roof Special 5 Job Reference (optional)

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Page: 1



Scale = 1:40.4

Plate Offsets (X, Y): [4:0-1-1,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.10	6-10	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.20	6-10	>858	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.02	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.05	6-10	>999	240		
BCDL	10.0										Weight: 51 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5F 2x4 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-11-1 oc purlins, except end verticals.

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

bracing.

WEBS 1 Row at midpt 3-7

4=616/0-3-8, 7=562/ Mechanical REACTIONS (lb/size)

Max Horiz 7=-123 (LC 14)

Max Grav 4=709 (LC 2), 7=652 (LC 24) (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-7=-223/81, 1-3=-131/58, 3-4=-1209/35,

4-5=0/19

BOT CHORD

6-7=0/1107, 4-6=0/1107 **WEBS** 3-7=-1156/51, 3-6=0/331

NOTES

FORCES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 15-4-8 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.

- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- 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.
- 7) Refer to girder(s) for truss to truss connections.

LOAD CASE(S) Standard



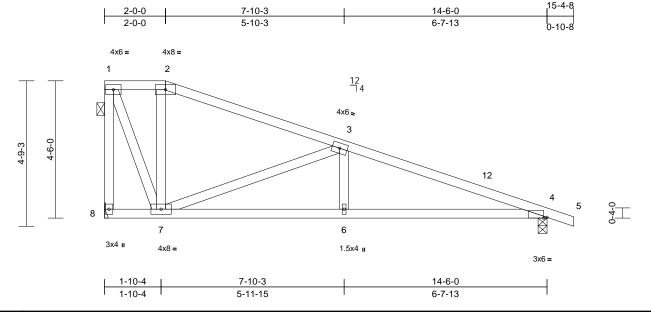
December 22,2021





Ply Job Truss Truss Type Qty 149386648 2975058 ВЗ Roof Special Job Reference (optional)

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Scale = 1:37.7

Plate Offsets (X, Y): [4:0-1-5,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	-0.10	6-11	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.17	6-11	>996	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.02	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.03	6-11	>999	240		
BCDL	10.0										Weight: 58 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5F 2x4 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-2-3 oc purlins, except end verticals, and

2-0-0 oc purlins (6-0-0 max.): 1-2.

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

4=616/0-3-8, 8=562/ Mechanical REACTIONS (lb/size) Max Horiz 8=-108 (LC 14)

Max Grav 4=877 (LC 36), 8=695 (LC 36)

(lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-8=-686/25, 1-2=-290/55, 2-3=-412/47,

3-4=-1571/33, 4-5=0/25

BOT CHORD 7-8=-92/140, 6-7=0/1442, 4-6=0/1442 1-7=-22/765, 2-7=-207/81, 3-7=-1224/39, WEBS

3-6=0/277

NOTES

FORCES

- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-1-12 to 2-0-0, Interior (1) 2-0-0 to 15-4-8 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10. Lu=50-0-0
- Unbalanced snow loads have been considered for this design.

- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- 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.
- Refer to girder(s) for truss to truss connections.
- 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

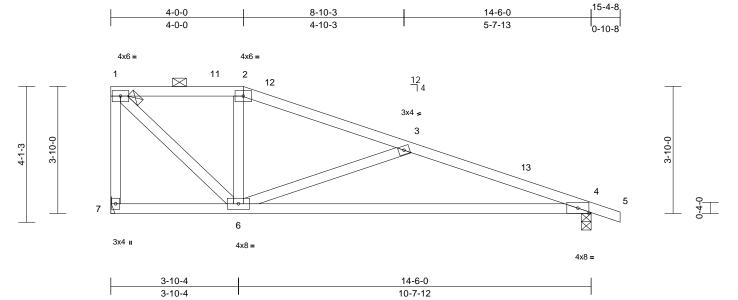




Ply Qty Job Truss Truss Type 149386649 2975058 B4 Roof Special Job Reference (optional)

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Page: 1



Scale = 1:34.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	-0.22	6-10	>794	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.46	6-10	>374	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.02	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.03	6-10	>999	240		
BCDL	10.0										Weight: 54 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5E 2x4 SPF 1650F 1.5E **BOT CHORD** 2x4 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or

5-1-12 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-2.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

REACTIONS (lb/size)

4=616/0-3-8, 7=562/ Mechanical Max Horiz 7=-91 (LC 14)

Max Grav 4=853 (LC 36), 7=644 (LC 2)

(lb) - Maximum Compression/Maximum

FORCES Tension

1-7=-652/40, 1-2=-589/32, 2-3=-711/24,

TOP CHORD 3-4=-1538/76, 4-5=0/25

BOT CHORD 6-7=-77/114, 4-6=-11/1436

1-6=-6/814, 2-6=-104/86, 3-6=-895/89 WEBS

NOTES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 15-4-8 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.

- 5) Provide adequate drainage to prevent water ponding.
- 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.
- Refer to girder(s) for truss to truss connections.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or

LOAD CASE(S) Standard

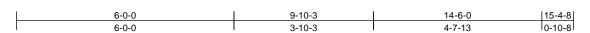






Ply Qty Job Truss Truss Type 149386650 2975058 В5 Roof Special Job Reference (optional)

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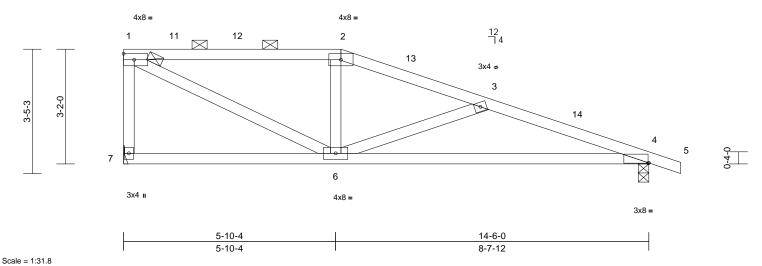


Plate Offsets (X, Y): [4:0-0-5,0-0-1]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	-0.09	6-10	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.21	6-10	>834	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.02	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.02	6-10	>999	240		
BCDL	10.0					` ′					Weight: 52 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5F 2x4 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-4-15 oc purlins, except end verticals, and

2-0-0 oc purlins (6-0-0 max.): 1-2.

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

4=616/0-3-8, 7=562/ Mechanical REACTIONS (lb/size)

Max Horiz 7=-75 (LC 14)

Max Grav 4=812 (LC 36), 7=649 (LC 35)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD

1-7=-604/66, 1-2=-828/34, 2-3=-923/28, 3-4=-1536/64, 4-5=0/25

BOT CHORD 6-7=-43/90, 4-6=-7/1438

WEBS 1-6=-20/879, 2-6=-106/111, 3-6=-687/65

NOTES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 15-4-8 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0
- Unbalanced snow loads have been considered for this design.

- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- 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.
- Refer to girder(s) for truss to truss connections.
- 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



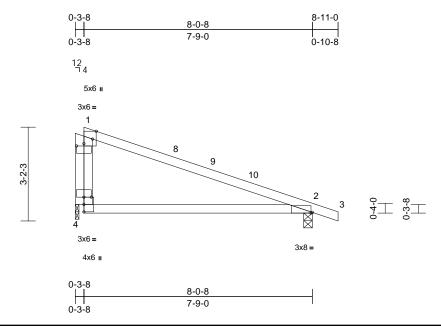
Page: 1



Job Truss Truss Type Qty Ply 149386651 2975058 C1 Roof Special 3 Job Reference (optional)

> Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:36 ID:soRLBe?6bi6sOnMz32WaZlyMZeG-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:39.1

Plate Offsets (X, Y): [1:0-3-3,Edge], [1:0-3-0,0-0-15], [2:0-0-9,Edge], [4:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	-0.12	4-7	>773	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.25	4-7	>371	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.06	4-7	>999	240		
BCDL	10.0										Weight: 25 lb	FT = 20%

LUMBER

2x4 SPF 1650F 1.5F TOP CHORD 2x4 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2 **OTHERS** 2x4 SPF No.2

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) 2=358/0-3-8, 4=301/0-1-8

Max Horiz 4=-67 (LC 14) Max Uplift 2=-3 (LC 13)

Max Grav 2=413 (LC 2), 4=345 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-4=-223/105, 1-2=-205/33, 2-3=0/19

BOT CHORD 2-4=0/180

NOTES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 8-0-8 to 12-3-7, Interior (1) 12-3-7 to 16-8-0 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.

- 5) 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) 4 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 at joint(s) 4.
- One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

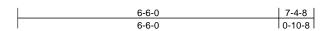
LOAD CASE(S) Standard

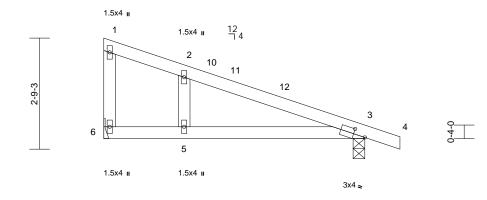




Ply Job Truss Truss Type Qty 149386652 2975058 C1E Roof Special Supported Gable Job Reference (optional)

Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:36 ID:K_?jOz0IM?Ej0xw9dm1p5zyMZeF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





6-6-0

Scale = 1:28.7

Plate Offsets (X, Y): [3:0-3-9,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.11	5-9	>707	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.20	5-9	>384	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP		Wind(LL)	0.09	5-9	>827	240		
BCDL	10.0										Weight: 20 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5F 2x4 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2 **OTHERS** 2x4 SPF No.2

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) 3=304/0-3-8, 6=246/ Mechanical

Max Horiz 6=-57 (LC 14) Max Uplift 3=-6 (LC 13)

Max Grav 3=351 (LC 2), 6=282 (LC 2)

(lb) - Maximum Compression/Maximum **FORCES**

Tension

TOP CHORD

1-6=-149/91, 1-2=-55/60, 2-3=-151/57, 3-4=0/19

BOT CHORD

5-6=-67/146, 3-5=-67/146

WEBS 2-5=-83/105

NOTES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) 6-4-4 to 9-4-4, Exterior (2) 9-4-4 to 13-7-0 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. 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=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this 4) design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- 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.
- Refer to girder(s) for truss to truss connections.
- 10) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 3. This connection is for uplift only and does not consider lateral

LOAD CASE(S) Standard



Page: 1







Ply Job Truss Truss Type Qtv 149386653 2975058 C1G Half Hip Girder Job Reference (optional)

Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:36 ID:v8n9B8mC4sjZctPJSZg7HlyMZeZ-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



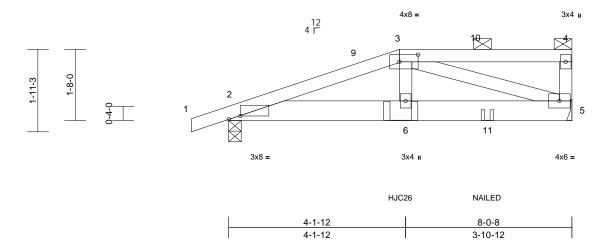


Plate Offsets (X, Y): [2:0-3-5,0-0-15], [3:0-5-4,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.02	6	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	-0.04	6	>999	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.31	Horz(CT)	0.01	5	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.00	6-8	>999	240		
BCDL	10.0										Weight: 31 lb	FT = 20%

LUMBER

2x4 SPF 1650F 1.5E *Except* 3-4:2x4 SPF TOP CHORD

No.2

BOT CHORD 2x6 SPF 1650F 1.5E WEBS 2x4 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.

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

bracing.

REACTIONS (lb/size) 2=554/0-3-8, 5=565/ Mechanical

Max Horiz 2=36 (LC 9)

Max Grav 2=659 (LC 32), 5=638 (LC 31) (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/30, 2-3=-1199/0, 3-4=-112/1,

4-5=-188/16

BOT CHORD 2-6=0/1117. 5-6=0/1173 WEBS 3-6=0/501, 3-5=-1129/0

NOTES

FORCES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0
- Unbalanced snow loads have been considered for this desian.

- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- 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.
- Refer to girder(s) for truss to truss connections.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 11) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 4-0-6 from the left end to connect truss(es) to front face of bottom chord.
- 12) Fill all nail holes where hanger is in contact with lumber.
- 13) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 14) 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

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-3=-59, 3-4=-59, 2-5=-20

Concentrated Loads (lb)

Vert: 6=-320 (F), 11=-131 (F)



Page: 1

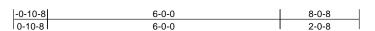
December 22,2021

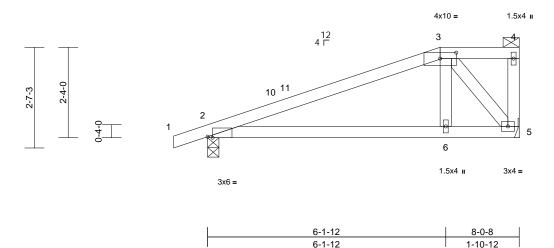




Ply Job Truss Truss Type Qty 149386654 Half Hip 2975058 C2 Job Reference (optional)

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Scale = 1:29.7

Plate Offsets (X, Y): [2:0-1-9,Edge], [3:0-5-0,0-1-13]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.07	6-9	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.11	6-9	>846	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.03	6-9	>999	240		
BCDL	10.0										Weight: 26 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5F 2x4 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2

BRACING

BOT CHORD

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

2-0-0 oc purlins (6-0-0 max.): 3-4.

Rigid ceiling directly applied or 10-0-0 oc

REACTIONS (lb/size) 2=364/0-3-8, 5=307/ Mechanical

Max Horiz 2=54 (LC 15) Max Uplift 2=-4 (LC 12)

Max Grav 2=512 (LC 36), 5=352 (LC 2)

FORCES

(lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/25, 2-3=-468/42, 3-4=-23/31,

4-5=-60/46

BOT CHORD 2-6=-98/392, 5-6=-95/408 **WEBS** 3-6=0/249, 3-5=-616/113

NOTES

- Unbalanced roof live loads have been considered for
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 6-0-0, Exterior (2) 6-0-0 to 7-10-12 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0

- 4) Unbalanced snow loads have been considered for this desian.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- 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.
- Refer to girder(s) for truss to truss connections.
- 10) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral
- 11) 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



Page: 1

2-4-0



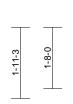


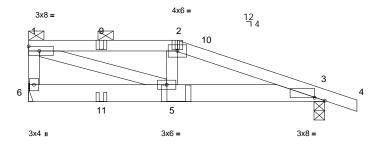
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NAILED NAILED







Page: 1

NAILED	HJC26	
3-10-12	1	8-0-8
3-10-12		4-1-12

Scale = 1:31.3

Plate Offsets (X, Y): [3:0-3-5,0-0-15]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.02	5-8	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.03	5-8	>999	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.01	5-8	>999	240		
BCDL	10.0										Weight: 31 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF No.2 *Except* 2-4:2x4 SPF 1650F

1.5E

BOT CHORD 2x6 SPF 1650F 1.5E WEBS 2x4 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-6-3 max.): 1-2

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

bracing.

REACTIONS (lb/size) 3=515/0-3-8, 6=495/ Mechanical

Max Horiz 6=-36 (LC 8)

Max Grav 3=627 (LC 32), 6=551 (LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-6=-468/0, 1-2=-968/0, 2-3=-1038/0, TOP CHORD

3-4=0/30 **BOT CHORD**

5-6=0/99. 3-5=0/966 WEBS 1-5=0/926, 2-5=0/100

NOTES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10. Lu=50-0-0
- 3) Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.

- 5) Provide adequate drainage to prevent water ponding.
- 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.
- Refer to girder(s) for truss to truss connections.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 10) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 4-0-2 from the left end to connect truss(es) to front face of bottom chord.
- 11) Fill all nail holes where hanger is in contact with lumber.
- 12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 13) 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

Dead + Snow (balanced): Lumber Increase=1.15, Plate

Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-2=-59, 2-4=-59, 3-6=-20

Concentrated Loads (lb)

Vert: 2=-43 (F), 5=-222 (F), 9=-43 (F), 11=-32 (F)



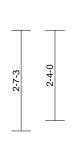
December 22,2021

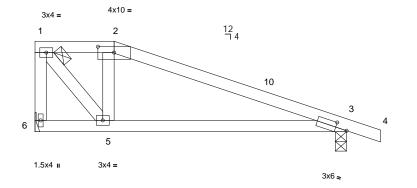


Ply Job Truss Truss Type Qty 149386656 2975058 C3 Roof Special Job Reference (optional)

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1-10-12	8-0-8
1-10-12	6-1-12

Scale = 1:29.7

Plate Offsets (X, Y): [2:0-5-0,0-1-13], [3:0-3-9,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.07	5-9	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.11	5-9	>846	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.02	5-9	>999	240		
BCDL	10.0										Weight: 26 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5F 2x4 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-2.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (lb/size) 3=364/0-3-8, 6=307/ Mechanical Max Horiz 6=-54 (LC 14)

Max Uplift 3=-4 (LC 13)

Max Grav 3=512 (LC 36), 6=352 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-6=-407/42, 1-2=-376/39, 2-3=-468/32,

3-4=0/25

BOT CHORD 5-6=-59/74, 3-5=0/392 **WEBS** 1-5=-31/595, 2-5=-231/74

NOTES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-1-12 to 2-0-8, Interior (1) 2-0-8 to 8-11-0 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10. Lu=50-0-0
- Unbalanced snow loads have been considered for this design.

- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- 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.
- Refer to girder(s) for truss to truss connections.
- One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at it(s) 3. This connection is for uplift only and does not consider lateral forces.
- 10) 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



December 22,2021

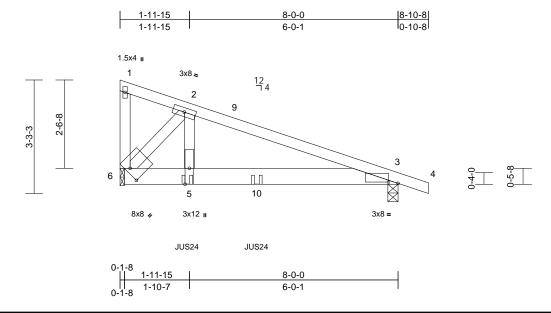




Ply Job Truss Truss Type Qty 149386657 2975058 C3G Roof Special Girder 2 Job Reference (optional)

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Page: 1



Scale = 1:33.2

Plate Offsets	(X, Y):	[3:0-3-5,0-0-7],	[6:0-1-7,0-4-7]
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.05	5-8	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.10	5-8	>948	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.27	Horz(CT)	0.01	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.01	5-8	>999	240		
BCDL	10.0										Weight: 32 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5F 2x6 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2

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) 3=700/0-3-8, 6=806/0-1-8 Max Horiz 6=-68 (LC 8)

Max Grav 3=764 (LC 2), 6=864 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension

1-6=0/18, 1-2=-52/15, 2-3=-1129/0, 3-4=0/23

BOT CHORD 5-6=0/1042, 3-5=0/1042 WFBS 2-6=-1521/0 2-5=0/1104

NOTES

TOP CHORD

- Wind: ASCE 7-10; Vult=115mph (3-second gust) 1) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.;
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 7) Bearing at joint(s) 6 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 at joint(s) 6.
- Use USP JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 9-7-12 from the left end to 11-7-12 to connect truss(es) to back face of bottom chord.
- 10) Fill all nail holes where hanger is in contact with lumber. 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

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-4=-59, 3-6=-20

Concentrated Loads (lb)

Vert: 5=-316 (B), 10=-525 (B)



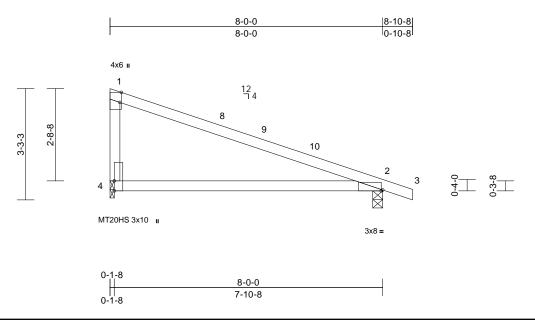
December 22,2021





Ply Job Truss Truss Type Qty 149386658 2975058 C4 Roof Special 18 Job Reference (optional)

Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:38 ID:GN6Upf1?udURFF4YIB3HAOyMZeD-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:33.8

Plate Offsets (X, Y): [1:0-3-8,Edge], [2:0-0-9,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	-0.14	4-7	>686	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.29	4-7	>328	240	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.07	4-7	>999	240		
BCDL	10.0										Weight: 22 lb	FT = 20%

LUMBER

2x4 SPF 1650F 1.5F TOP CHORD 2x4 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2

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) 2=362/0-3-8, 4=305/0-1-8 Max Horiz 4=-69 (LC 14)

Max Uplift 2=-3 (LC 13)

Max Grav 2=418 (LC 2), 4=350 (LC 2) (lb) - Maximum Compression/Maximum

FORCES Tension

1-4=-227/105, 1-2=-188/33, 2-3=0/19

TOP CHORD

BOT CHORD 2-4=0/181

NOTES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) 1) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 7-10-4 to 12-1-3, Interior (1) 12-1-3 to 16-7-0 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.;
- Unbalanced snow loads have been considered for this 3) design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads
- All plates are MT20 plates unless otherwise indicated.

- 6) 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) 4 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 at joint(s) 4.
- 10) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard



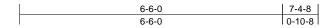


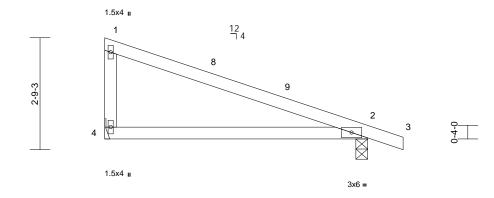


Qty Ply Job Truss Truss Type 149386659 2975058 C5 Roof Special Job Reference (optional)

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Page: 1





Scale = 1:28.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.Ó	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.09	4-7	>880	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.18	4-7	>433	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP		Wind(LL)	0.05	4-7	>999	240		
BCDL	10.0										Weight: 19 lb	FT = 20%

6-6-0

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5E 2x4 SPF 1650F 1.5E **BOT CHORD** 2x4 SPF No.2 WEBS

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) 2=304/0-3-8. 4=246/ Mechanical

Max Horiz 4=-57 (LC 14) Max Uplift 2=-6 (LC 13)

Max Grav 2=351 (LC 2), 4=282 (LC 2)

(lb) - Maximum Compression/Maximum

Tension 1-4=-192/93, 1-2=-140/55, 2-3=0/19

TOP CHORD

BOT CHORD 2-4=-60/129

NOTES

FORCES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 6-4-4 to 10-7-3, Interior (1) 10-7-3 to 13-7-0 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads
- 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.
- Refer to girder(s) for truss to truss connections.
- One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard





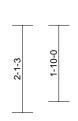


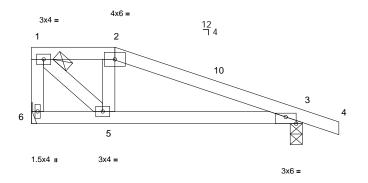
Ply Qty Job Truss Truss Type 149386660 2975058 C6 Roof Special Job Reference (optional)

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Page: 1









Scale = 1:27.6

Plate Offsets (X, Y): [3:0-3-0,Edge]

Loading TCLL (roof) Snow (Pf/Pg)	(psf) 25.0 19.3/25.0	Spacing Plate Grip DOL Lumber DOL Pop Street her	2-0-0 1.15 1.15 YES	CSI TC BC	0.25 0.28	Vert(LL)	in -0.03 -0.04	(loc) 5-9 5-9	l/defl >999 >999	360 240	PLATES MT20	GRIP 197/144
TCDL BCLL BCDL	10.0 0.0* 10.0	Rep Stress Incr Code	IRC2015/TPI2014	WB Matrix-MP	0.09	Horz(CT) Wind(LL)	0.00 0.01	5-9	n/a >999	n/a 240	Weight: 21 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5F 2x4 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-2.

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

REACTIONS (lb/size) 3=304/0-3-8, 6=246/ Mechanical

Max Horiz 6=-41 (LC 14) Max Uplift 3=-7 (LC 13)

Max Grav 3=424 (LC 36), 6=282 (LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-6=-304/50, 1-2=-283/31, 2-3=-353/25, 3-4=0/25

BOT CHORD 5-6=-44/60, 3-5=0/292

WEBS 1-5=-29/381, 2-5=-101/53

NOTES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-1-12 to 2-0-0, Interior (1) 2-0-0 to 7-4-8 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10. Lu=50-0-0
- Unbalanced snow loads have been considered for this design.

- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- 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.
- Refer to girder(s) for truss to truss connections.
- One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at it(s) 3. This connection is for uplift only and does not consider lateral forces.
- 10) 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



December 22,2021



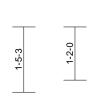


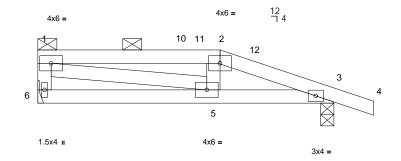
Ply Job Truss Truss Type Qty 149386661 2975058 C7 Roof Special Job Reference (optional)

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Page: 1









3-10-4	6-6-0
3-10-4	2-7-12

Scale = 1:25.3

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.01	5-6	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	-0.02	5-6	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP		Wind(LL)	0.00	5	>999	240		
BCDL	10.0										Weight: 21 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5E 2x4 SPF 1650F 1.5E **BOT CHORD** 2x4 SPF No.2 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-2.

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

3=304/0-3-8, 6=246/ Mechanical REACTIONS (lb/size)

Max Horiz 6=-25 (LC 14) Max Uplift 3=-8 (LC 13)

Max Grav 3=370 (LC 36), 6=323 (LC 35)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-6=-287/72, 1-2=-474/29, 2-3=-521/35,

3-4=0/25

BOT CHORD 5-6=-26/36. 3-5=-10/480

1-5=-39/487, 2-5=-46/62 WFBS

NOTES

- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 7-4-8 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0
- Unbalanced snow loads have been considered for this design.

- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- 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.
- Refer to girder(s) for truss to truss connections.
- One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 3. This connection is for uplift only and does not consider lateral forces.
- 10) 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



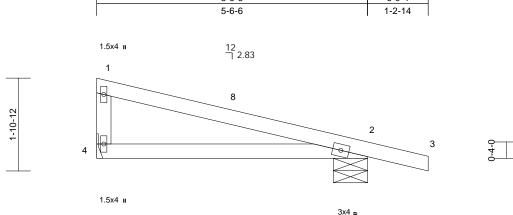




Ply Qty Job Truss Truss Type 149386662 2975058 D1 Roof Special 2 Job Reference (optional)

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6-9-4 5-6-6



5-6-6

Scale	=	1:23.5

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	-0.04	4-7	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.09	4-7	>750	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP		Wind(LL)	0.03	4-7	>999	240		
BCDL	10.0										Weight: 16 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5E 2x4 SPF 1650F 1.5E **BOT CHORD** 2x4 SPF No.2 WEBS

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) 2=292/0-8-6, 4=203/ Mechanical

Max Horiz 4=-34 (LC 14) Max Uplift 2=-17 (LC 13)

Max Grav 2=339 (LC 2), 4=232 (LC 2) (lb) - Maximum Compression/Maximum

Tension 1-4=-157/71, 1-2=-134/33, 2-3=0/20

TOP CHORD

BOT CHORD 2-4=-39/118

NOTES

FORCES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 3) Unbalanced snow loads have been considered for this desian.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- 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.
- Refer to girder(s) for truss to truss connections.
- One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard



Page: 1



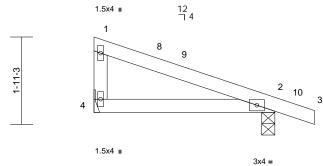


Ply Qty Job Truss Truss Type 149386663 2975058 E1 Roof Special 2 Job Reference (optional)

> Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:40 ID:RxEn_omZJYbi?jq7us9ulXyMZea-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:25.5

4-0-0

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.01	4-7	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.02	4-7	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP		Wind(LL)	0.01	4-7	>999	240		
BCDL	10.0										Weight: 12 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5E 2x4 SPF 1650F 1.5E **BOT CHORD** 2x4 SPF No.2 WEBS

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.

2=208/0-3-8, 4=145/ Mechanical REACTIONS (lb/size)

Max Horiz 4=-36 (LC 14) Max Uplift 2=-11 (LC 13)

Max Grav 2=242 (LC 2), 4=166 (LC 2)

(lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-4=-112/59, 1-2=-75/34, 2-3=0/19 BOT CHORD 2-4=-39/80

NOTES

FORCES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph: TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 3-10-4 to 8-1-3, Interior (1) 8-1-3 to 8-7-0 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads
- 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.
- Refer to girder(s) for truss to truss connections. One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This

connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard





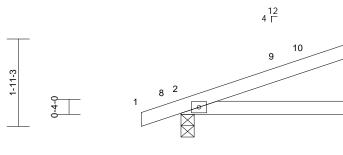


Job Truss Truss Type Qty Ply 149386664 2975058 EJ1 Jack-Open 2 Job Reference (optional)

> Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:40 ID:88M?f14Vyr_tksOJ_18DLEyMZe9-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1







3x4 =

Scale = 1:25.5

		i	·		-		-					+
Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	-0.01	4-7	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.03	4-7	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP		Wind(LL)	0.01	4-7	>999	240		
BCDL	10.0			1							Weight: 11 lb	FT = 20%

4-0-0

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5E BOT CHORD 2x4 SPF 1650F 1.5E

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.

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

bracing.

REACTIONS (lb/size) 2=211/0-3-8, 3=97/ Mechanical,

4=52/ Mechanical

Max Horiz 2=37 (LC 12)

Max Uplift 2=-8 (LC 12), 3=-13 (LC 16)

2=245 (LC 2), 3=114 (LC 2), 4=71

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/19, 2-3=-77/29

BOT CHORD 2-4=-30/62

NOTES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 3-11-4 zone; cantilever left and right exposed; end vertical left and right exposed: C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.;
- Unbalanced snow loads have been considered for this
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.

- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint
- One RT7 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.
- 10) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard



December 22,2021

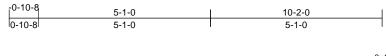


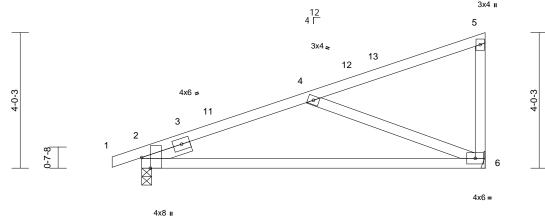


Ply Qty Job Truss Truss Type 149386665 2975058 M1 10 Monopitch Job Reference (optional)

Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:40 ID:dKwNsN58j96jM0zVXkfStRyMZe8-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:34.1

Plate Offsets (X, Y): [2:0-3-13,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.20	6-9	>613	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.39	6-9	>305	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.02	2	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.01	6-9	>999	240		
BCDL	10.0										Weight: 37 lb	FT = 20%

10-2-0

LUMBER

2x4 SPF 1650F 1.5E TOP CHORD 2x4 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2 SLIDER Left 2x4 SPF No.2 -- 1-6-0

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.

2=447/0-3-8, 6=391/ Mechanical REACTIONS (lb/size)

Max Horiz 2=92 (LC 15)

Max Grav 2=515 (LC 2), 6=448 (LC 2) (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/19, 2-4=-976/79, 4-5=-115/36,

5-6=-154/84 BOT CHORD 2-6=-211/616 **WEBS** 4-6=-623/109

NOTES

FORCES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 10-0-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.

- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- 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.
- Refer to girder(s) for truss to truss connections.

LOAD CASE(S) Standard

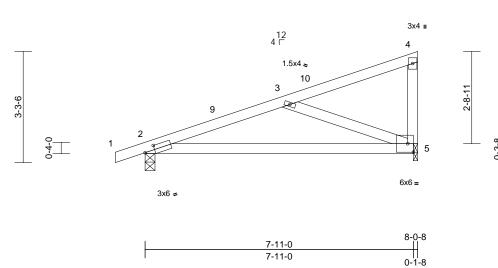




Ply Job Truss Truss Type Qty 149386666 2975058 M2 Monopitch Job Reference (optional)

> Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:40





Scale = 1:34

Plate Offsets (X, Y): [2:0-3-9,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.08	5-8	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.16	5-8	>578	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	5	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.01	5-8	>999	240		
BCDL	10.0										Weight: 27 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5F 2x4 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2

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) 2=364/0-3-8, 5=307/0-1-8

Max Horiz 2=69 (LC 15) Max Uplift 2=-3 (LC 12)

Max Grav 2=420 (LC 2), 5=352 (LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/19, 2-3=-562/70, 3-4=-91/26,

4-5=-104/71 BOT CHORD 2-5=-121/527

WFBS 3-5=-529/106

NOTES

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) -0-10-8 to 2-1-8, Interior (1) 2-1-8 to 7-10-12 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Unbalanced snow loads have been considered for this design.

- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- 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
- 7) Bearing at joint(s) 5 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 at joint(s) 5.
- One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard



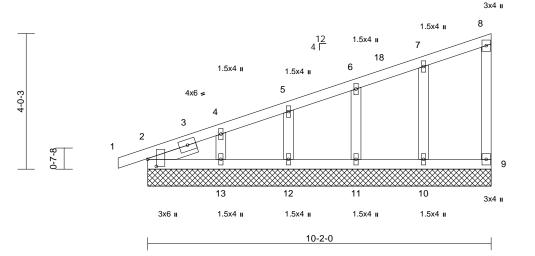
Page: 1



Job Truss Truss Type Qtv Ply 149386667 2975058 MGE₁ Monopitch Supported Gable Job Reference (optional)

Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:41 ID:5WUI3i6mTSFazAYi5RAhQfyMZe7-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:34.1 Plate Offsets (X, Y): [2:0-2-8,0-3-1]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	9	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 39 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5E 2x4 SPF 1650F 1.5E BOT CHORD **WEBS** 2x4 SPF No.2 **OTHERS** 2x4 SPF No.2 Left 2x4 SPF No.2 -- 1-6-0

SLIDER BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc

BOT CHORD bracing.

REACTIONS (lb/size) 2=133/10-2-0, 9=60/10-2-0,

10=164/10-2-0, 11=157/10-2-0, 12=154/10-2-0, 13=170/10-2-0,

14=133/10-2-0

Max Horiz 2=92 (LC 15), 14=92 (LC 15) Max Uplift 9=-1 (LC 13), 13=-8 (LC 16) Max Grav 2=156 (LC 2), 9=72 (LC 23),

> 10=200 (LC 23), 11=180 (LC 2), 12=177 (LC 2), 13=194 (LC 2),

14=156 (LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/19. 2-4=-182/102. 4-5=-151/86.

5-6=-125/77, 6-7=-96/68, 7-8=-52/54,

8-9=-57/46

BOT CHORD 2-13=-47/61, 12-13=-47/61, 11-12=-47/61,

10-11=-47/61, 9-10=-47/61

WEBS 7-10=-159/118, 6-11=-139/67, 5-12=-140/58,

4-13=-143/90

NOTES

- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) -0-10-8 to 2-2-0, Exterior (2) 2-2-0 to 10-0-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.;
- 4) Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 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.
- 11) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 9 and 13. This connection is for uplift only and does not consider lateral forces
- 12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 14.

LOAD CASE(S) Standard



Page: 1

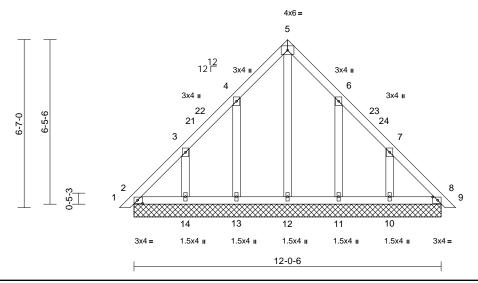




Job Truss Truss Type Qtv Ply 149386668 2975058 PB1 Piggyback Job Reference (optional)

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Scale = 1:45.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	8	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 55 lb	FT = 20%

LUMBER

2x4 SPF 1650F 1.5F TOP CHORD BOT CHORD 2x4 SPF 1650F 1.5E **OTHERS** 2x4 SPF 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 (lb/size) 2=110/12-0-6, 8=110/12-0-6,

10=173/12-0-6, 11=158/12-0-6, 12=105/12-0-6, 13=158/12-0-6, 14=173/12-0-6, 15=110/12-0-6,

18=110/12-0-6

Max Horiz 2=-99 (LC 12), 15=-99 (LC 12) Max Uplift 2=-10 (LC 10), 10=-45 (LC 15),

11=-35 (LC 15), 13=-35 (LC 14),

14=-46 (LC 14), 15=-10 (LC 10)

Max Grav 2=137 (LC 27), 8=128 (LC 2),

10=205 (LC 27), 11=185 (LC 27)

12=126 (LC 29), 13=186 (LC 26), 14=205 (LC 26), 15=137 (LC 27),

18=128 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/18, 2-3=-99/76, 3-4=-105/48,

4-5=-105/91, 5-6=-105/93, 6-7=-88/26, 7-8=-88/72. 8-9=0/18

BOT CHORD 2-14=-68/96, 13-14=-68/96, 12-13=-68/96, 11-12=-68/96, 10-11=-68/96, 8-10=-68/96

WEBS 5-12=-85/42, 4-13=-151/96, 3-14=-147/94,

6-11=-150/96, 7-10=-147/94

NOTES

Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-2-8 to 3-2-8, Interior (1) 3-2-8 to 6-7-0, Exterior (2) 6-7-0 to 9-7-0, Interior (1) 9-7-0 to 12-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- 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.
- 10) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 13, 14, 11, and 10. This connection is for uplift only and does not consider lateral forces
- 11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



Page: 1

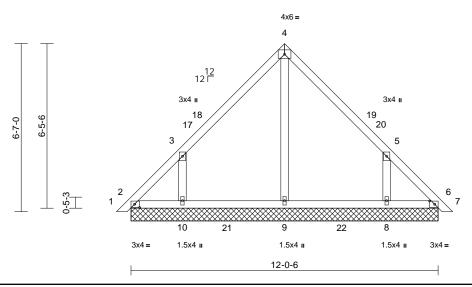


Job Truss Truss Type Qtv Ply 149386669 2975058 PB2 Piggyback 2 Job Reference (optional)

. OH -Builders FirstSource (

Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:41 ID:iZPiA1eW5eAGnKthlvc2SmyKgVd-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f





Scale = 1:45.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 92 lb	FT = 20%

LUMBER

2x4 SPF 1650F 1.5F TOP CHORD 2x4 SPF 1650F 1.5E BOT CHORD **OTHERS** 2x4 SPF 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 (lb/size) 2=100/12-0-6, 6=100/12-0-6,

8=281/12-0-6, 9=225/12-0-6, 10=281/12-0-6. 11=100/12-0-6.

14=100/12-0-6

Max Horiz 2=-99 (LC 12), 11=-99 (LC 12) Max Uplift 2=-22 (LC 10), 6=-6 (LC 11), 8=-77

(LC 15), 10=-77 (LC 14), 11=-22 (LC 10), 14=-6 (LC 11)

2=127 (LC 27), 6=117 (LC 2) Max Grav 8=353 (LC 27), 9=345 (LC 26),

10=354 (LC 26), 11=127 (LC 27),

14=117 (LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=0/18, 2-3=-108/84, 3-4=-174/86, 4-5=-174/88, 5-6=-91/69, 6-7=0/18

BOT CHORD 2-10=-46/82, 9-10=-46/82, 8-9=-46/82,

6-8=-46/82

follows: 2x4 - 1 row at 0-9-0 oc.

WEBS 4-9=-167/0, 3-10=-274/164, 5-8=-274/164

NOTES

TOP CHORD

2-ply truss to be connected together as follows: Top chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc. Bottom chords connected with 10d (0.131"x3") nails as

- 2) 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=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-2-8 to 3-2-8, Interior (1) 3-2-8 to 6-7-0, Exterior (2) 6-7-0 to 9-7-0, Interior (1) 9-7-0 to 12-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.;
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- 10) 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.

12) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 6, 10, and 8. This connection is for uplift only and does not consider lateral forces.

Page: 1

13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



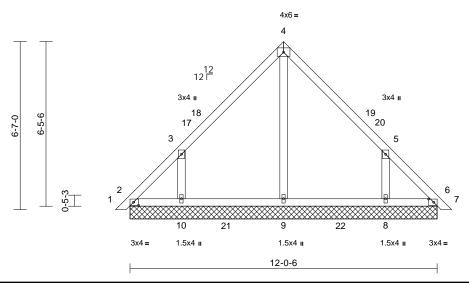




Job Truss Truss Type Qtv Ply 149386670 2975058 PB3 Piggyback 9 Job Reference (optional)

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Scale = 1:45.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	14	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 46 lb	FT = 20%

LUMBER

2x4 SPF 1650F 1.5F TOP CHORD 2x4 SPF 1650F 1.5E BOT CHORD **OTHERS** 2x4 SPF 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 (lb/size)

2=100/12-0-6, 6=100/12-0-6, 8=281/12-0-6, 9=225/12-0-6,

10=281/12-0-6. 11=100/12-0-6. 14=100/12-0-6

Max Horiz 2=-99 (LC 12), 11=-99 (LC 12) Max Uplift 2=-22 (LC 10), 6=-6 (LC 11), 8=-77

(LC 15), 10=-77 (LC 14), 11=-22 (LC 10), 14=-6 (LC 11)

2=128 (LC 27), 6=118 (LC 2), 8=353 (LC 27), 9=344 (LC 26), 10=354 (LC 26), 11=128 (LC 27),

14=118 (LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

Max Grav

TOP CHORD 1-2=0/18, 2-3=-109/84, 3-4=-174/86, 4-5=-174/88, 5-6=-91/69, 6-7=0/18

BOT CHORD 2-10=-46/82, 9-10=-46/82, 8-9=-46/82,

6-8=-46/82

WEBS 4-9=-166/0, 3-10=-274/164, 5-8=-274/164

NOTES

Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-2-8 to 3-2-8, Interior (1) 3-2-8 to 6-7-0, Exterior (2) 6-7-0 to 9-7-0, Interior (1) 9-7-0 to 12-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.;
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- 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, with BCDL = 10.0psf.
- 10) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 6, 10, and 8. This connection is for uplift only and does not consider lateral forces
- 11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



Page: 1

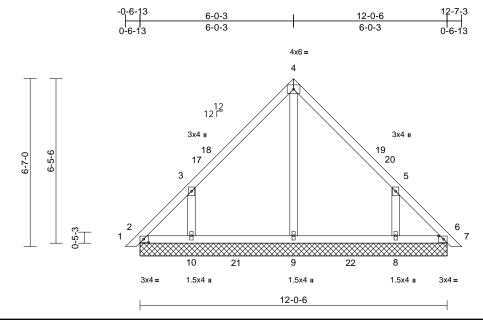




Job Truss Truss Type Qtv Ply 149386671 2975058 PB4 Piggyback 2 4 Job Reference (optional)

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Page: 1



Scale = 1:45.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 183 lb	FT = 20%

LUMBER

2x4 SPF 1650F 1.5F TOP CHORD 2x4 SPF 1650F 1.5E BOT CHORD **OTHERS** 2x4 SPF 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 (lb/size)

2=99/12-0-6, 6=99/12-0-6, 8=281/12-0-6, 9=227/12-0-6, 10=281/12-0-6, 11=99/12-0-6,

14=99/12-0-6

Max Horiz 2=-99 (LC 12), 11=-99 (LC 12) Max Uplift 2=-22 (LC 10), 6=-6 (LC 11), 8=-77

(LC 15), 10=-77 (LC 14), 11=-22 (LC 10), 14=-6 (LC 11)

2=127 (LC 27), 6=117 (LC 2) Max Grav 8=353 (LC 27), 9=346 (LC 26),

10=354 (LC 26), 11=127 (LC 27),

14=117 (LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=0/18, 2-3=-107/84, 3-4=-173/87, 4-5=-173/89, 5-6=-96/69, 6-7=0/18

BOT CHORD 2-10=-45/81, 9-10=-45/81, 8-9=-45/81,

6-8=-45/81

WEBS 4-9=-168/0, 3-10=-273/164, 5-8=-273/164

NOTES

4-ply truss to be connected together as follows: Top chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc. Bottom chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.

- 2) 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=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-2-8 to 3-2-8, Interior (1) 3-2-8 to 6-7-0, Exterior (2) 6-7-0 to 9-7-0, Interior (1) 9-7-0 to 12-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.;
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- 10) 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.

- 12) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 6, 10, and 8. This connection is for uplift only and does not consider lateral forces.
- 13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



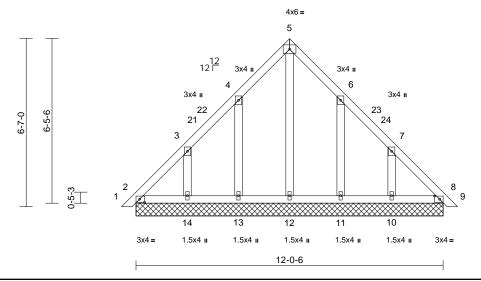




Job Truss Truss Type Qtv Ply 149386672 2975058 PB5 Piggyback Job Reference (optional)

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Scale = 1:45.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	8	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 55 lb	FT = 20%

LUMBER

2x4 SPF 1650F 1.5F TOP CHORD 2x4 SPF 1650F 1.5E BOT CHORD **OTHERS** 2x4 SPF 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 (lb/size)

2=110/12-0-6, 8=110/12-0-6, 10=173/12-0-6, 11=158/12-0-6, 12=105/12-0-6, 13=158/12-0-6, 14=173/12-0-6, 15=110/12-0-6,

18=110/12-0-6

Max Horiz 2=-99 (LC 12), 15=-99 (LC 12) Max Uplift 2=-10 (LC 10), 10=-45 (LC 15),

11=-35 (LC 15), 13=-35 (LC 14), 14=-46 (LC 14), 15=-10 (LC 10)

Max Grav 2=137 (LC 27), 8=128 (LC 2), 10=205 (LC 27), 11=185 (LC 27), 12=126 (LC 29), 13=186 (LC 26),

14=205 (LC 26), 15=137 (LC 27), 18=128 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/18, 2-3=-99/76, 3-4=-105/48,

4-5=-105/91, 5-6=-105/93, 6-7=-88/26,

7-8=-88/72. 8-9=0/18

BOT CHORD 2-14=-68/96, 13-14=-68/96, 12-13=-68/96, 11-12=-68/96, 10-11=-68/96, 8-10=-68/96

5-12=-85/42, 4-13=-151/96, 3-14=-147/94,

6-11=-150/96, 7-10=-147/94

WEBS NOTES

Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-2-8 to 3-2-8, Interior (1) 3-2-8 to 6-7-0, Exterior (2) 6-7-0 to 9-7-0, Interior (1) 9-7-0 to 12-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- 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.
- 10) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 13, 14, 11, and 10. This connection is for uplift only and does not consider lateral forces
- 11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



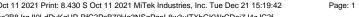
Page: 1

December 22,2021



Job Truss Truss Type Qtv Ply 149386673 2975058 Q1 Attic Job Reference (optional)

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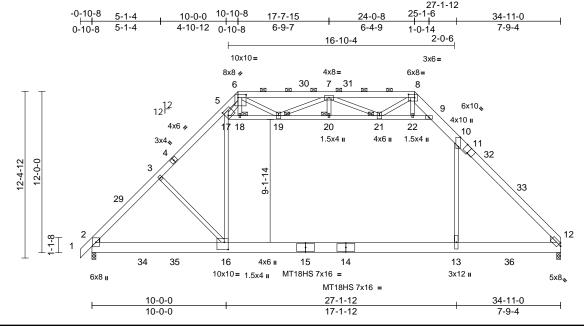


Plate Offsets (X, Y): [5:0-2-0,0-5-4], [6:0-7-4,0-2-12], [8:0-5-8,0-3-0], [10:0-8-6,Edge], [11:0-5-0,Edge], [12:0-2-4,0-2-0], [16:0-3-8,0-6-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.44	13-16	>948	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.63	13-16	>660	240	MT18HS	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.03	12	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.11	13-16	>999	240		
BCDL	10.0										Weight: 295 lb	FT = 20%

LUMBER

Scale = 1:85.8

2x6 SPF 1650F 1.5E *Except* 11-8:2x8 SP TOP CHORD

2400F 2.0E

BOT CHORD 2x10 SP 2400F 2.0E WEBS 2x4 SPF No.2 WEDGE Left: 2x4 SPF No.2 Right: 2x6 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-5-13 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-8.

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

bracing.

JOINTS 1 Brace at Jt(s): 18,

19, 20, 21

REACTIONS (lb/size) 2=1663/0-3-8, 12=1644/0-3-8

Max Horiz 2=179 (LC 11)

Max Grav 2=2208 (LC 3), 12=2284 (LC 3)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=0/43, 2-3=-2913/0, 3-5=-2717/0, TOP CHORD 5-6=-2835/75, 6-7=-1359/0, 7-8=-1025/2

8-9=-865/20, 9-10=-1966/18, 10-12=-2934/73

BOT CHORD 2-16=-46/1999, 13-16=0/1910,

12-13=-9/1901

WEBS 3-16=-226/144, 16-17=0/1350,

5-17=-575/195, 10-13=0/1205, 17-18=-1039/44, 18-19=-1029/46, 19-20=-902/544, 20-21=-902/544, 21-22=-1969/32, 9-22=-1986/31,

6-17=-74/1992, 6-18=0/111, 6-19=-16/603, 7-19=-585/106, 7-20=0/94, 7-21=-939/76,

8-21=0/797, 8-22=0/164

NOTES

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

- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) -0-10-8 to 2-7-6, Interior (1) 2-7-6 to 10-10-8, Exterior (2) 10-10-8 to 15-9-12, Interior (1) 15-9-12 to 24-0-8, Exterior (2) 24-0-8 to 28-11-12, Interior (1) 28-11-12 to 34-11-0 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Ceiling dead load (10.0 psf) on member(s). 9-10, 17-18, 18-19, 19-20, 20-21, 21-22, 9-22
- 10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-16
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord
- 12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard



December 22,2021





Job Truss Truss Type Qtv Ply 149386674 2975058 Q1SE Attic Structural Gable Job Reference (optional)

Run: 8.43 E Aug 16 2021 Print: 8.430 E Aug 16 2021 MiTek Industries, Inc. Wed Dec 22 08:14:09 ID:yGFoJ20SxstSISsME470P5yKgSZ-YcVMa7DoFqoefEDY53KcrkbS?bVH7mp7DTWqqTy6UPU

Page: 1

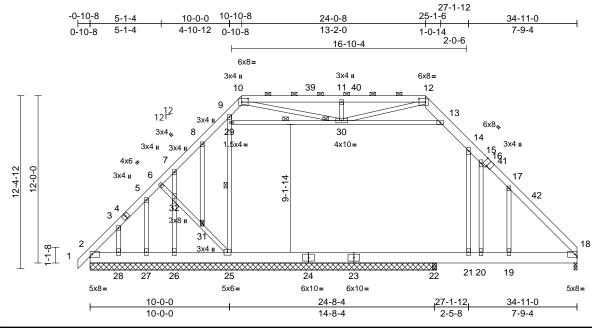


Plate Offsets (X, Y): [10:0-5-8,0-3-0], [12:0-5-8,0-3-0], [16:0-4-0, Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	-0.14	22-25	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.18	22-25	>967	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.01	18	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.03	19	>999	240		
BCDL	10.0										Weight: 322 lb	FT = 20%

BRACING

TOP CHORD

BOT CHORD

WEBS

JOINTS

LUMBER 2x6 SPF 1650F 1.5E *Except* 12-16:2x8 SP 2400F 2.0E

TOP CHORD **BOT CHORD** 2x10 SP 2400F 2.0E

Scale = 1:82.6

2x4 SPF No.2 *Except* 9-25:2x4 SPF 1650F 1.5E **WEBS**

OTHERS 2x4 SPF No.2

REACTIONS All bearings 24-10-0. except 18=0-2-8, 22=0-3-8

(lb) - Max Horiz 2=179 (LC 11)

Max Uplift All uplift 100 (lb) or less at joint(s) 2 except 26=-853 (LC 21), 28=-142 (LC

All reactions 250 (lb) or less at joint(s) 26, 28 except 2=846 (LC 2) Max Grav

18=1064 (LC 32), 22=1515 (LC 28), 25=1649 (LC 21), 27=625 (LC 3)

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

2-3=-844/80, 3-4=-814/60, 4-5=-725/73, 5-6=-899/77, 6-7=-861/85,

7-8=-1013/159, 8-9=-919/189, 9-10=-869/139, 10-39=-1865/72, 11-39=-1865/72, 11-40=-1865/72, 12-40=-1865/72, 12-13=-899/69,

13-14=-1083/124, 14-15=-786/98, 15-16=-865/95, 16-41=-862/93,

17-41=-934/89, 17-42=-913/0, 18-42=-1072/0

2-28=-132/552, 27-28=-8/551, 26-27=-8/550, 25-26=-8/550, 24-25=0/657, BOT CHORD

23-24=0/657, 22-23=0/657, 21-22=0/657, 20-21=0/661, 19-20=0/661,

18-19=0/661

WEBS 25-29=-365/64, 9-29=-300/102, 14-21=-485/6, 11-30=-465/108, 7-32=-293/116,

26-32=-316/138, 5-27=-261/18, 10-30=0/1331, 12-30=-48/1292

NOTES

Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) -0-10-8 to 2-7-6, Interior (1) 2-7-6 to 10-10-8, Exterior (2) 10-10-8 to 15-9-12, Interior (1) 15-9-12 to 24-0-8, Exterior (2) 24-0-8 to 28-11-12, Interior (1) 28-11-12 to 34-11-0 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. 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.

TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs.

This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs nonconcurrent with other live loads.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

25-29, 29-30

2-0-0 oc purlins (6-0-0 max.): 10-12.

1 Row at midpt

1 Brace at Jt(s): 30, 31

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

December 22,2021

Continued on page 2

Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information



Job	Truss	Truss Type	Qty	Ply	
2975058	Q1SE	Attic Structural Gable	1	1	I49386674 Job Reference (optional)

Run: 8.43 E Aug 16 2021 Print: 8.430 E Aug 16 2021 MiTek Industries, Inc. Wed Dec 22 08:14:09 ID:yGFoJ20SxstSISsME470P5yKgSZ-YcVMa7DoFqoefEDY53KcrkbS?bVH7mp7DTWqqTy6UPU

Page: 2

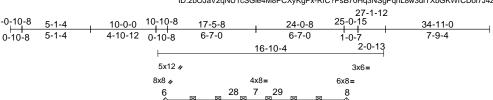
- Provide adequate drainage to prevent water ponding.
- All plates are 3x4 MT20 unless otherwise indicated. 7)
- 8) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 9)
- 10) * This truss has been designed for 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
- Ceiling dead load (10.0 psf) on member(s). 13-14, 29-30, 13-30
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 22-25, 21-22 12)
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18. 13)
- One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 28. This connection is for uplift only and does not consider lateral forces. 14)
- 15) Two RT7 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 26. This connection is for uplift only and does not consider lateral forces.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 17) Double installations of RT7 require the two hurricane ties to be installed on opposite sides of top plate to avoid nail interference in single ply truss.
- 18) Attic room checked for L/360 deflection.

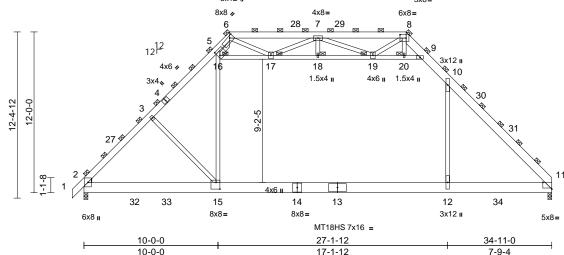
LOAD CASE(S)

Standard

Ply Job Truss Truss Type Qtv 149386675 2975058 Q2 Attic 2 Job Reference (optional)

> Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:44 ID:2bOJaV2qNU1cSGie4M8PCXyKgPx-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f





Scale = 1:86

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

Loading	(psf)	Spacing	3-6-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	-0.37	12-15	>999	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.53	12-15	>796	240	MT18HS	244/190
TCDL	10.0	Rep Stress Incr	NO	WB	0.47	Horz(CT)	0.02	11	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.08	12-15	>999	240		
BCDL	10.0										Weight: 611 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SPF 1650F 1.5E *Except* 8-11:2x8 SP

2400F 2.0E

BOT CHORD 2x10 SP 2400F 2.0E WEBS 2x4 SPF No.2 WEDGE Left: 2x4 SPF 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): 6.

8, 16, 17, 18, 19,

20

REACTIONS (lb/size) 2=2911/0-3-8, 11=2878/0-3-8

Max Horiz 2=315 (LC 13)

Max Grav 2=3863 (LC 3), 11=3988 (LC 3) (lb) - Maximum Compression/Maximum

FORCES Tension

1-2=0/76, 2-3=-5068/0, 3-5=-4726/0,

5-6=-4899/122, 6-7=-2429/0, 7-8=-1903/40,

8-9=-1612/66, 9-10=-3400/26, 10-11=-5194/0 2-15=-74/3485, 12-15=0/3321, 11-12=0/3305

BOT CHORD WEBS

TOP CHORD

3-15=-388/257, 15-16=0/2317, 5-16=-943/333, 10-12=0/2268, 16-17=-1857/51, 17-18=-1424/1016, 18-19=-1424/1016, 19-20=-3234/3,

9-20=-3263/0, 6-16=-80/3516, 6-17=0/1267,

7-17=-1046/197, 7-18=0/144,

7-19=-1680/128, 8-19=0/1335, 8-20=0/264

NOTES

- 1) 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, 2x8 - 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=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) -0-10-8 to 2-7-6, Interior (1) 2-7-6 to 10-10-8. Exterior (2) 10-10-8 to 15-9-12. Interior (1) 15-9-12 to 24-0-8, Exterior (2) 24-0-8 to 28-11-12, Interior (1) 28-11-12 to 34-11-0 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10. Lu=50-0-0
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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, with BCDL = 10.0psf.

Page: 1

- 11) Ceiling dead load (10.0 psf) on member(s). 9-10, 16-17, 17-18, 18-19, 19-20, 9-20
- 12) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-15
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or
- 14) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard



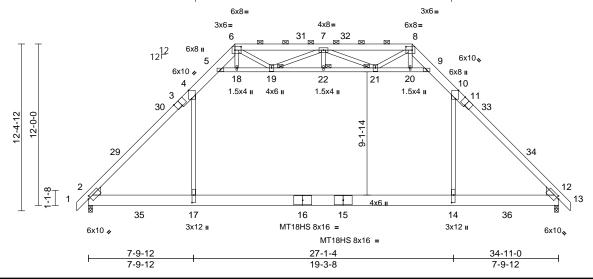


Job Truss Truss Type Qtv Ply 149386676 2975058 R1 Attic 5 Job Reference (optional)

OH . Builders FirstSource (

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[2:0-1-15,0-1-15], [3:0-5-0,Edge], [4:0-7-6,Edge], [6:0-5-8,0-3-0], [8:0-5-8,0-3-0], [10:0-7-6,Edge], [11:0-5-0,Edge], [12:0-1-15,0-1-15], [14:0-6-12,0-1-8], [17:0-6-12,0-1-8]

Plate Offsets (X, Y):

Loading	(psf)	Spacing	2-0-0	csı		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.64	14-17	>650	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.92	14-17	>454	240	MT18HS	244/190
TCDL	10.0	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.04	12	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.11	14-17	>999	240		
BCDL	10.0										Weight: 296 lb	FT = 20%

LUMBER

Scale = 1:85.6

TOP CHORD 2x6 SPF 1650F 1.5E *Except* 3-6,8-11:2x8 SP 2400F 2.0E

BOT CHORD 2x10 SP 2400F 2.0E 2x4 SPF No.2 WFRS WEDGE Left: 2x8 SP No.2 Right: 2x8 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

3-11-13 oc purlins, except

2-0-0 oc purlins (6-0-0 max.): 6-8.

BOT CHORD Rigid ceiling directly applied or 9-2-5 oc

bracing. JOINTS 1 Brace at Jt(s): 19,

21, 22

REACTIONS (lb/size) 2=1696/0-3-8, 12=1696/0-3-8

Max Horiz 2=183 (LC 13)

2=2377 (LC 3), 12=2377 (LC 3) Max Grav (lb) - Maximum Compression/Maximum

FORCES Tension

TOP CHORD 1-2=0/43, 2-4=-3196/0, 4-5=-1938/36,

5-6=-611/239, 6-7=-613/542, 7-8=-613/542,

8-9=-612/239, 9-10=-1938/36, 10-12=-3196/0, 12-13=0/43

BOT CHORD 2-17=-67/2090, 14-17=0/2101, 12-14=0/2089 **WEBS**

4-17=0/1636, 10-14=0/1636, 5-18=-2666/0, 18-19=-2646/0, 19-22=-2122/0, 21-22=-2122/0, 20-21=-2646/0,

9-20=-2665/0, 6-18=0/180, 6-19=-47/602, 8-20=0/180, 8-21=-47/602, 7-22=0/61,

7-19=-733/106, 7-21=-733/106

NOTES

Unbalanced roof live loads have been considered for this design.

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) -0-10-8 to 2-7-6, Interior (1) 2-7-6 to 10-10-8, Exterior (2) 10-10-8 to 15-9-12, Interior (1) 15-9-12 to 24-0-8, Exterior (2) 24-0-8 to 28-11-12, Interior (1) 28-11-12 to 35-9-8 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads
- Provide adequate drainage to prevent water ponding
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Ceiling dead load (5.0 psf) on member(s). 4-5, 9-10, 5-18, 18-19, 19-22, 21-22, 20-21, 9-20; Wall dead load (5.0psf) on member(s).4-17, 10-14
- 10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-17
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

12) NOTE: DUE TO THE OVERALL LENGTH TO DEPTH RATIO OF THE ROOM, THE FLOOR MAY EXHIBIT OBJECTIONABLE VIBRATION AND OR BOUNCE. BUILDING DESIGNER TO CONSIDER PROVIDING MEANS TO DAMPEN THESE EFFECTS. TRUSS DESIGN SHALL BE REVIEWED AND APPROVED PRIOR TO MANUFACTURING

Page: 1

13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard



December 22,2021



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

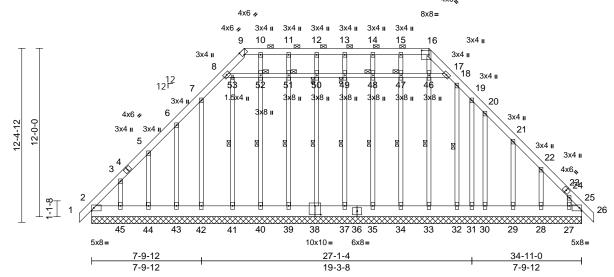
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information



Job Truss Truss Type Qtv Ply 149386677 2975058 R1E Attic Supported Gable Job Reference (optional) Page: 1

Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:45 ID:HjB8_BPzpVf5OFMraiFMeYyKgVx-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:82.1 Plate Offsets (X, Y): [9:0-2-2,Edge], [16:0-6-4,0-3-12], [38:0-5-0,0-7-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.01	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.00	25	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0			1							Weight: 392 lb	FT = 20%

LUMBER

2x6 SPF 1650F 1.5F TOP CHORD 2x10 SP 2400F 2.0E BOT CHORD **WEBS** 2x4 SPF No.2 **OTHERS** 2x4 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins, except

2-0-0 oc purlins (6-0-0 max.): 9-16.

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

bracing.

WEBS 1 Row at midpt 33-46, 34-47, 35-48,

37-49, 38-50, 39-51,

40-52, 41-53, 18-32

JOINTS 1 Brace at Jt(s): 47, 48, 49, 50, 51, 52

2=210/34-11-0, 25=192/34-11-0, REACTIONS (lb/size)

27=66/34-11-0, 28=163/34-11-0, 29=160/34-11-0, 30=117/34-11-0,

31=67/34-11-0, 32=99/34-11-0, 33=119/34-11-0, 34=155/34-11-0, 35=158/34-11-0, 37=160/34-11-0,

38=156/34-11-0, 39=150/34-11-0, 40=161/34-11-0, 41=103/34-11-0, 42=167/34-11-0, 43=137/34-11-0,

44=162/34-11-0, 45=141/34-11-0

Max Horiz 2=-184 (LC 12)

Max Uplift 2=-33 (LC 10), 25=-64 (LC 13),

27=-100 (LC 15), 28=-33 (LC 15), 29=-39 (LC 15), 30=-25 (LC 15), 31=-21 (LC 15), 39=-1 (LC 10),

42=-15 (LC 14), 43=-42 (LC 14) 44=-24 (LC 14), 45=-82 (LC 14) Max Grav 2=261 (LC 32), 25=260 (LC 34), 27=125 (LC 32), 28=188 (LC 32),

29=188 (LC 32), 30=135 (LC 32), 31=81 (LC 36), 32=132 (LC 36), 33=146 (LC 36), 34=178 (LC 36), 35=184 (LC 35), 37=183 (LC 35),

38=181 (LC 36), 39=180 (LC 36), 40=186 (LC 35), 41=118 (LC 35),

42=198 (LC 35), 43=162 (LC 31),

44=186 (LC 2), 45=194 (LC 31)

(lb) - Maximum Compression/Maximum Tension

FORCES

TOP CHORD

1-2=0/43, 2-3=-204/114, 3-5=-189/83, 5-6=-178/67, 6-7=-158/87, 7-8=-166/138,

8-9=-93/88, 9-10=-76/81, 10-11=-76/81, 11-12=-76/81, 12-13=-76/81, 13-14=-76/81, 14-15=-76/81, 15-16=-76/81, 16-17=-95/93,

17-18=-162/138, 18-19=-157/135, 19-20=-138/100, 20-21=-171/59,

21-22=-182/63, 22-24=-193/91, 24-25=-204/139, 25-26=0/43

BOT CHORD 2-45=-148/182, 44-45=-108/182,

43-44=-109/183, 42-43=-109/183, 41-42=-109/183, 40-41=-109/183,

39-40=-109/183, 37-39=-109/183, 35-37=-109/183, 34-35=-109/183,

33-34=-109/183, 32-33=-109/183, 31-32=-109/183, 30-31=-108/183,

29-30=-108/182, 28-29=-108/182, 27-28=-107/182, 25-27=-106/181

WEBS

7-42=-158/52, 19-31=-72/38, 8-53=-92/86, 52-53=-91/87, 51-52=-91/87, 50-51=-91/87, 49-50=-92/88, 48-49=-92/88, 47-48=-92/88, 46-47=-92/88, 17-46=-92/88, 16-46=-101/3,

33-46=-104/5, 15-47=-140/30, 34-47=-138/28, 14-48=-143/40,

35-48=-145/40, 13-49=-141/39, 37-49=-141/38, 12-50=-142/39,

38-50=-141/41, 11-51=-138/48, 39-51=-142/43, 10-52=-177/18,

40-52=-146/14, 41-53=-75/10, 6-43=-130/94, 5-44=-146/91, 3-45=-137/94, 18-32=-97/15,

20-30=-101/69, 21-29=-147/94, 22-28=-148/93, 24-27=-114/83

NOTES

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



December 22,2021



Job	Truss	Truss Type	Qty	Ply	
2975058	R1E	Attic Supported Gable	1	1	Job Reference (optional)

Run: 8.43 S. Oct 11.2021 Print: 8.430 S. Oct 11.2021 MiTek Industries. Inc. Tue Dec 21.15:19:45 ID:HjB8_BPzpVf5OFMraiFMeYyKgVx-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 2

Wind: ASCE 7-10: Vult=115mph (3-second aust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) -0-10-8 to 2-7-6, Exterior (2) 2-7-6 to 10-10-8, Corner (3) 10-10-8 to 14-4-6, Exterior (2) 14-4-6 to 24-0-8, Corner (3) 24-0-8 to 27-6-6, Exterior (2) 27-6-6 to 35-9-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

),

- Truss designed for wind loads in the plane of the truss only. 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10, Lu=50-0-0
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- All plates are 3x6 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 9) Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) * 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.
- 12) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 42, 31, 39, 43, 44, 45, 30, 29, 28, 27, and 25. This connection is for uplift only and does not consider lateral forces.
- 13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 25.
- 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord
- 15) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job Truss Truss Type Qtv Ply 149386678 2975058 R2 Attic 4 Job Reference (optional) Page: 1

Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:46 ID:n1se2UrkzS8rgmt16Nna4EyKgMK-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

3x6=

6x8=

27-1-4 25-1-6 10-10-8 9-9-10 -0-10-8 35-9-8 7-9-12 24-0-8 34-11-0 0-10-8 7-9-12 7-9-12 0-10-8 1-11-14 1-0-14 1-0-14

THIS DRAWING ASSUMES NO RESPONSIBILITY FOR THE DESIGN OF THE LATERAL BRACING SHOWN DUE TO THE WIDE SPACING OF THE TRUBBER ASSUMED. SHOWN. DUE TO THE WIDE SPACING OF THE TRUSSES, SPECIAL CONSIDERATIONS MUST BE GIVEN IN THIS AREA. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER/ARCHITECT

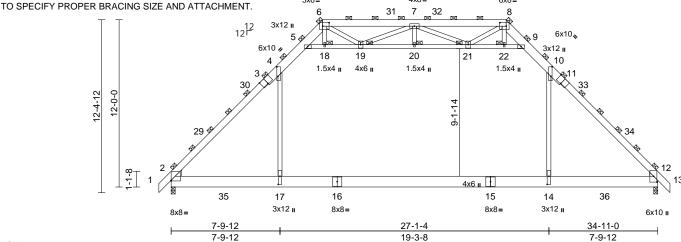


Plate Offsets (X, Y): [2:Edge, 0-0-8], [3:0-5-0, Edge], [4:0-8-4, 0-1-0], [6:0-5-8, 0-3-0], [8:0-5-8, 0-3-0], [10:0-8-4, 0-1-0], [11:0-5-0, Edge], [12:0-5-0, 0-2-12], [14:0-7-0, 0-1-8], [17:0-7-0, 0-1-8]

Loading	(psf)	Spacing	8-6-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.69	14-17	>608	360	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.98	14-17	>428	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.05	12	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.12	14-17	>999	240		
BCDL	10.0										Weight: 1174 lb	FT = 20%

LUMBER

Scale = 1:82.7

TOP CHORD 2x6 SPF 1650F 1.5E *Except* 3-6,8-11:2x8

SP 2400F 2.0E

BOT CHORD 2x10 SP 2400F 2.0E WEBS 2x4 SPF No.2 WEDGE Left: 2x6 SP No.2

Right: 2x4 SPF 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): 6. 8, 18, 19, 20, 21,

22

REACTIONS (lb/size) 2=7278/0-3-8, 12=7278/0-3-8

Max Horiz 2=779 (LC 13)

Max Grav 2=10172 (LC 3), 12=10172 (LC 3)

FORCES (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-2=0/184, 2-4=-13672/0, 4-5=-8588/56,

5-6=-3135/465, 6-7=-3438/1452, 7-8=-3489/1427, 8-9=-3168/447,

9-10=-8579/52, 10-12=-13663/0, 12-13=0/184

2-17=-283/8968, 14-17=0/9011,

BOT CHORD 12-14=0/8963

WFBS 4-17=0/6618, 10-14=0/6675,

5-18=-10917/139, 18-19=-10828/147, 19-20=-8067/449, 20-21=-8067/449, 21-22=-10790/121, 9-22=-10879/114, 6-18=0/834, 6-19=0/2974, 7-19=-3298/355. 7-20=0/426, 7-21=-3285/339, 8-21=0/2964,

8-22=0/832

NOTES

- 1) 4-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, 2x8 - 2 rows staggered at 0-9-0 oc.

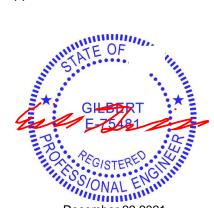
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc

Web connected as follows: 2x4 - 1 row at 0-9-0 oc. Attach TC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc. Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 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=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) -0-10-8 to 2-7-6. Interior (1) 2-7-6 to 10-10-8, Exterior (2) 10-10-8 to 15-9-12, Interior (1) 15-9-12 to 24-0-8, Exterior (2) 24-0-8 to 28-11-12, Interior (1) 28-11-12 to 35-9-8 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
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10. Lu=50-0-0
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads
- Provide adequate drainage to prevent water ponding.

- 8) 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.
- 10) Ceiling dead load (10.0 psf) on member(s). 4-5, 9-10, 5-18, 18-19, 19-20, 20-21, 21-22, 9-22
- 11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-17
- 12) NOTE: DUE TO THE OVERALL LENGTH TO DEPTH RATIO OF THE ROOM, THE FLOOR MAY EXHIBIT OBJECTIONABLE VIBRATION AND OR BOUNCE. BUILDING DESIGNER TO CONSIDER PROVIDING MEANS TO DAMPEN THESE EFFECTS. TRUSS DESIGN SHALL BE REVIEWED AND APPROVED PRIOR TO MANUFACTURING.
- 13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard



December 22,2021



Design Valid to its 90 mly with win New Commercials. This design is based only upon parameters shown, and is 10 at an individual outlining Component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply		
2975058	S1	Attic	1	4	Job Reference (optional)	149386679

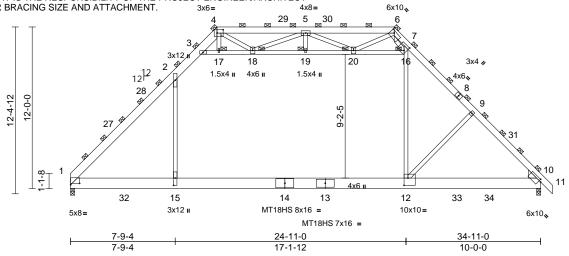
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Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:47 ID:AFuerRrIHFpTqAbHI8JMlyyKgNc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

8x8

10-10-8 7-9-4 9-10-1 17-5-8 24-0-8 24-11-0 29-9-12 34-11-0 35-9-8 7-9-4 2-0-13 6-7-0 6-7-0 0-10-8 4-10-12 5-1-4 0-10-8

THIS DRAWING ASSUMES NO RESPONSIBILITY FOR THE DESIGN OF THE LATERAL TERRICANG SHOWN. DUE TO THE WIDE SPACING OF THE TRUSSES, SPECIAL CONSIDERATIONS MUST BE GIVEN IN THIS AREA. IT IS THE RESPONSIBILITY OF THE PROJECT EN THE PROJECT EN THE RESPONSIBILITY OF THE PROJECT EN TH



Scale = 1:85.6

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

Loading	(psf)	Spacing	8-6-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	-0.45	12-15	>925	360	MT20	244/190
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.65	12-15	>646	240	MT18HS	244/190
TCDL	10.0	Rep Stress Incr	NO	WB	0.66	Horz(CT)	0.05	10	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.10	12-15	>999	240		
BCDL	10.0										Weight: 1228 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SPF 1650F 1.5E *Except* 1-4:2x8 SP

2400F 2.0E

BOT CHORD 2x10 SP 2400F 2.0E WEBS 2x4 SPF No.2 WEDGE Right: 2x8 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): 4,

6, 16, 17, 18, 19,

20

REACTIONS (lb/size) 1=6989/0-3-8, 10=7069/0-3-8

Max Horiz 1=-765 (LC 12)

Max Grav 1=9684 (LC 3), 10=9381 (LC 3) (lb) - Maximum Compression/Maximum

FORCES (lb) - Ma Tension

TOP CHORD 1-2=-12583/0, 2-3=-8256/63, 3-4=-3917/151,

4-5=-4757/87, 5-6=-5858/0, 6-7=-11896/291,

7-9=-11472/0, 9-10=-12355/0, 10-11=0/184 D 1-15=-61/8063, 12-15=0/8098, 10-12=0/8199

BOT CHORD 1 WEBS 2

2-15=0/5470, 12-16=0/5627, 7-16=-2286/796, 9-12=-913/642, 3-17=-7936/12, 17-18=-7863/20,

18-19=-3465/2462, 19-20=-3465/2462, 16-20=-4508/122, 6-16=-190/8533, 4-17=0/667, 4-18=0/3368, 5-18=-3924/314,

5-19=0/347, 5-20=-2578/481, 6-20=0/3036

NOTES

1) 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 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. Attach TC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc. Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 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.
- 4) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-0-0 to 3-5-14, Interior (1) 3-5-14 to 10-10-8, Exterior (2) 10-10-8 to 15-9-12, Interior (1) 15-9-12 to 24-0-8, Exterior (2) 24-0-8 to 28-11-12, Interior (1) 28-11-12 to 35-9-8 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
- 5) TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10. Lu=50-0-0
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 19.2 psf on overhangs non-concurrent with other live loads.
- 7) Provide adequate drainage to prevent water ponding.

8) All plates are MT20 plates unless otherwise indicated.

Page: 1

- 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, with BCDL = 10.0psf.
- 11) Ceiling dead load (10.0 psf) on member(s). 2-3, 3-17, 17-18, 18-19, 19-20, 16-20
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-15
- 13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard



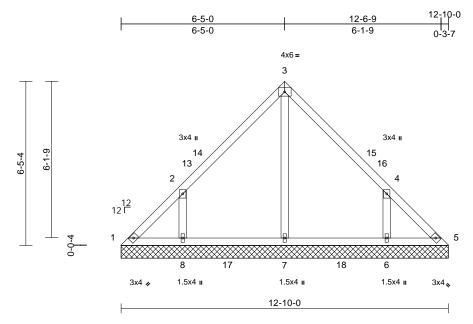




Job Truss Truss Type Qtv Ply 149386680 2975058 V1 Valley Job Reference (optional)

> Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:47 ID:Zj27H27OEmNRbK6uf9hwysyMZe6-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:45.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.12	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0			1							Weight: 45 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x4 SPF No.2 **OTHERS**

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) 1=82/12-10-0, 5=82/12-10-0, 6=303/12-10-0, 7=238/12-10-0,

8=303/12-10-0

Max Horiz 1=-96 (LC 10)

Max Uplift 1=-21 (LC 10), 6=-64 (LC 15),

8=-66 (LC 14)

Max Grav 1=114 (LC 26), 5=97 (LC 25),

6=368 (LC 26), 7=353 (LC 25),

8=371 (LC 25)

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=-131/92, 2-3=-162/96, 3-4=-160/95,

4-5=-113/66

BOT CHORD 1-8=-43/92, 7-8=-43/66, 6-7=-43/66,

5-6=-43/79

WEBS 3-7=-185/0, 2-8=-282/157, 4-6=-282/157

NOTES

TOP CHORD

- Unbalanced roof live loads have been considered for 1)
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 6-5-4, Exterior (2) 6-5-4 to 9-5-4, Interior (1) 9-5-4 to 12-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow): Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint
- 10) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8 and 6. This connection is for uplift only and does not consider lateral forces

LOAD CASE(S) Standard

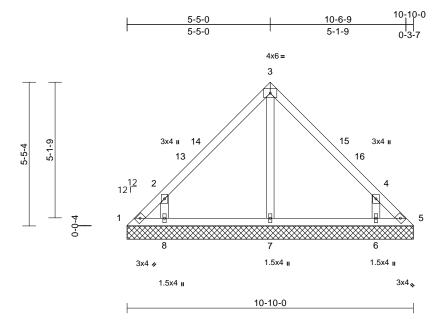




Job Truss Truss Type Qtv Ply 149386681 2975058 V₁A Valley Job Reference (optional)

> Run: 8.43 S Oct 11 2021 Print: 8.430 S Oct 11 2021 MiTek Industries, Inc. Tue Dec 21 15:19:47 ID:1vbVUO80?4VIDUh4DsCAV4yMZe5-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:43.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.10	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 36 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x4 SPF No.2 **OTHERS**

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)

1=25/10-10-0, 5=25/10-10-0, 6=295/10-10-0, 7=211/10-10-0,

8=295/10-10-0

Max Horiz 1=-81 (LC 10)

Max Uplift 1=-45 (LC 12), 5=-25 (LC 13),

6=-60 (LC 15), 8=-63 (LC 14) 1=68 (LC 11), 5=48 (LC 10), 6=347

(LC 30), 7=236 (LC 2), 8=347 (LC

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=-109/91, 2-3=-185/85, 3-4=-185/84, 4-5=-104/85

BOT CHORD 1-8=-46/69, 7-8=-18/69, 6-7=-18/69,

5-6=-46/69

WEBS 3-7=-148/0, 2-8=-321/198, 4-6=-321/198

NOTES

TOP CHORD

- 1) Unbalanced roof live loads have been considered for
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 5-5-4, Exterior (2) 5-5-4 to 8-5-4, Interior (1) 8-5-4 to 10-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 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 45 lb uplift at joint 1 and 25 lb uplift at joint 5.
- 10) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8 and 6. This connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard

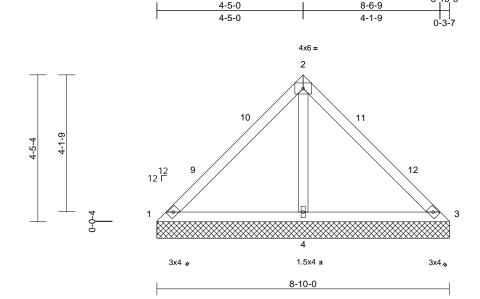




Job Truss Truss Type Qtv Ply 149386682 2975058 V1B Valley Job Reference (optional)

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Scale = 1:34.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.21	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 28 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x4 SPF No.2 **OTHERS**

BRACING

TOP CHORD Structural wood sheathing directly applied or

8-10-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (lb/size) 1=40/8-10-0, 3=40/8-10-0, 4=613/8-10-0

Max Horiz 1=-66 (LC 10)

Max Uplift 1=-23 (LC 30), 3=-23 (LC 29)

Max Grav 1=88 (LC 29), 3=88 (LC 30), 4=702

(LC 2)

(lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-85/277, 2-3=-84/277

BOT CHORD 1-4=-174/105, 3-4=-174/105

WFBS 2-4=-531/132

NOTES

FORCES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 4-5-4, Exterior (2) 4-5-4 to 7-5-4, Interior (1) 7-5-4 to 8-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.

- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.;
- 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 23 lb uplift at joint 1 and 23 lb uplift at joint 3.

LOAD CASE(S) Standard



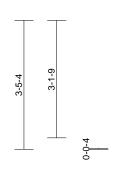


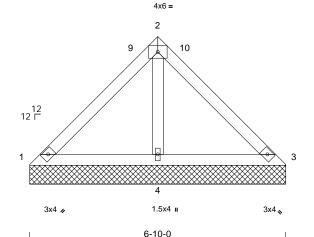
Job Truss Truss Type Qty Ply 149386683 2975058 V1C Valley Job Reference (optional)

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Page: 1







Scale = 1:30.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.15	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0	1									Weight: 21 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x4 SPF No.2 **OTHERS**

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-10-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (lb/size) 1=43/6-10-0, 3=43/6-10-0, 4=451/6-10-0

Max Horiz 1=-50 (LC 10)

Max Uplift 1=-8 (LC 30), 3=-8 (LC 29)

1=78 (LC 29), 3=78 (LC 30), 4=517 Max Grav

(LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-56/183, 2-3=-56/183 **BOT CHORD** 1-4=-134/90, 3-4=-134/90

WFBS 2-4=-365/95

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 3-5-4, Exterior (2) 3-5-4 to 6-2-1, Interior (1) 6-2-1 to 6-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.

- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.;
- 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 8 lb uplift at joint 1 and 8 lb uplift at joint 3.

LOAD CASE(S) Standard





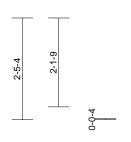


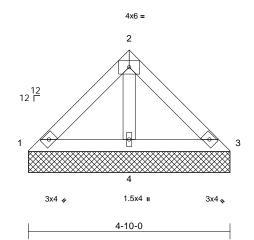
Truss Type Qty Job Truss Ply 149386684 2975058 V1D Valley Job Reference (optional)

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Scale = 1:27.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0	[Weight: 14 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x4 SPF No.2 **OTHERS**

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-10-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (lb/size) 1=49/4-10-0, 3=49/4-10-0, 4=280/4-10-0

Max Horiz 1=-35 (LC 12)

Max Grav 1=71 (LC 29), 3=71 (LC 30), 4=321

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-60/93, 2-3=-60/93

BOT CHORD 1-4=-71/54, 3-4=-71/54

WEBS 2-4=-201/43

NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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. 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10

- 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.

LOAD CASE(S) Standard

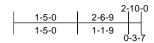


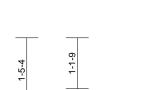


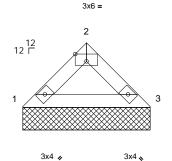
Qty Job Truss Truss Type Ply 149386685 2975058 V1E Valley 1 Job Reference (optional)

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Page: 1







2-10-0

Scale = 1:25.6

Plate Offsets (X, Y): [2:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 7 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF No 2 BOT CHORD 2x4 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-10-0 oc purlins.

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

bracing.

1=111/2-10-0, 3=111/2-10-0 REACTIONS (lb/size)

Max Horiz 1=19 (LC 13) Max Grav 1=128 (LC 2), 3=128 (LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-152/17, 2-3=-152/17

BOT CHORD 1-3=-3/102

NOTES

- Unbalanced roof live loads have been considered for 1)
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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. 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct = 1.10
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.

- 7) 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.

LOAD CASE(S) Standard

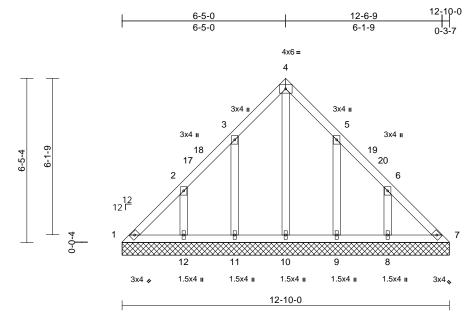




Job Truss Truss Type Qtv Ply 149386686 2975058 V2 Valley Job Reference (optional)

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Page: 1



Scale = 1:45.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horiz(TL)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 54 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x4 SPF No.2 **OTHERS**

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (lb/size)

1=77/12-10-0, 7=77/12-10-0, 8=201/12-10-0, 9=150/12-10-0, 10=153/12-10-0, 11=150/12-10-0,

12=201/12-10-0

Max Horiz 1=-96 (LC 10)

Max Uplift 1=-13 (LC 10), 8=-30 (LC 15), 9=-39 (LC 15), 11=-39 (LC 14),

12=-33 (LC 14)

Max Grav 1=106 (LC 26), 7=89 (LC 2), 8=230

(LC 2), 9=179 (LC 26), 10=173 (LC 2), 11=178 (LC 25), 12=230 (LC

25)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-112/104, 2-3=-77/75, 3-4=-83/93, 4-5=-83/93, 5-6=-56/54, 6-7=-97/91

BOT CHORD 1-12=-81/88. 11-12=-81/86. 10-11=-81/86.

9-10=-81/86, 8-9=-81/86, 7-8=-81/86 4-10=-128/12, 3-11=-149/96, 2-12=-157/88,

5-9=-148/96, 6-8=-155/88

WFBS NOTES

Unbalanced roof live loads have been considered for this design.

- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 6-5-4, Exterior (2) 6-5-4 to 9-5-4, Interior (1) 9-5-4 to 12-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate arip DOL=1.60
- 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- Gable requires continuous bottom chord bearing.
- 6) 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint
- 10) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 11, 12, 9, and 8. This connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard

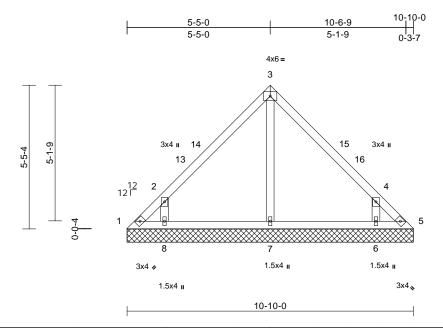




Job Truss Truss Type Qty Ply 149386687 2975058 V2A Valley Job Reference (optional)

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Page: 1



Scale = 1:43.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.10	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	5	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 36 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x4 SPF No.2 **OTHERS**

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) 1=25/10-10-0, 5=25/10-10-0, 6=295/10-10-0, 7=211/10-10-0,

8=295/10-10-0

Max Horiz 1=-81 (LC 12)

Max Uplift 1=-45 (LC 12), 5=-25 (LC 13),

6=-60 (LC 15), 8=-63 (LC 14) 1=68 (LC 11), 5=48 (LC 10), 6=347

(LC 30), 7=236 (LC 2), 8=347 (LC

FORCES (lb) - Maximum Compression/Maximum

Tension

1-2=-109/91, 2-3=-185/85, 3-4=-185/84,

4-5=-104/85

BOT CHORD 1-8=-46/69, 7-8=-18/69, 6-7=-18/69,

5-6=-46/69

WEBS 3-7=-148/0, 2-8=-321/198, 4-6=-321/198

NOTES

TOP CHORD

- 1) Unbalanced roof live loads have been considered for
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 5-5-4, Exterior (2) 5-5-4 to 8-5-4, Interior (1) 8-5-4 to 10-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10
- 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 45 lb uplift at joint 1 and 25 lb uplift at joint 5.
- 10) One RT4 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8 and 6. This connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard



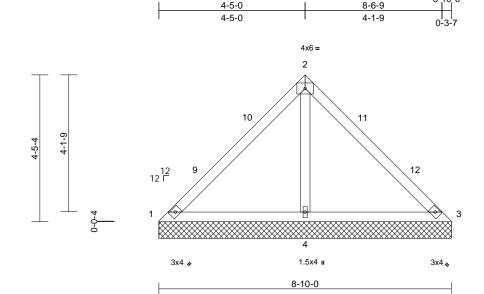




Job Truss Truss Type Qtv Ply 149386688 2975058 V2B Valley Job Reference (optional)

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.21	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 28 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x4 SPF No.2 **OTHERS**

BRACING

TOP CHORD Structural wood sheathing directly applied or

8-10-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (lb/size) 1=40/8-10-0, 3=40/8-10-0, 4=613/8-10-0

Max Horiz 1=66 (LC 11)

Max Uplift 1=-23 (LC 30), 3=-23 (LC 29)

Max Grav 1=88 (LC 29), 3=88 (LC 30), 4=702

(LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-85/277, 2-3=-84/277 1-4=-174/105, 3-4=-174/105

BOT CHORD 2-4=-531/132

WFBS

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 4-5-4, Exterior (2) 4-5-4 to 7-5-4, Interior (1) 7-5-4 to 8-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.

- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.;
- 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 23 lb uplift at joint 1 and 23 lb uplift at joint 3.

LOAD CASE(S) Standard



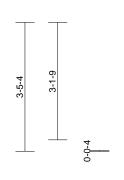


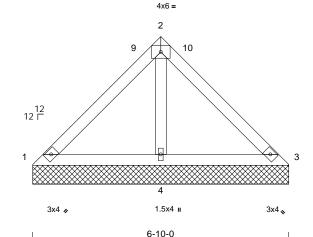
Job Truss Truss Type Qty Ply 149386689 2975058 V2C Valley Job Reference (optional)

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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.15	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0	1									Weight: 21 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x4 SPF No.2 **OTHERS**

BRACING

TOP CHORD Structural wood sheathing directly applied or

6-10-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (lb/size) 1=43/6-10-0, 3=43/6-10-0,

4=451/6-10-0 Max Horiz 1=-50 (LC 12)

Max Uplift 1=-8 (LC 30), 3=-8 (LC 29)

1=78 (LC 29), 3=78 (LC 30), 4=517 Max Grav

(LC 2)

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-56/183, 2-3=-56/183 **BOT CHORD** 1-4=-134/90, 3-4=-134/90

2-4=-365/95 WFBS

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 0-0-4 to 3-0-4, Interior (1) 3-0-4 to 3-5-4, Exterior (2) 3-5-4 to 6-2-1, Interior (1) 6-2-1 to 6-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.

- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.;
- 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 8 lb uplift at joint 1 and 8 lb uplift at joint 3.

LOAD CASE(S) Standard





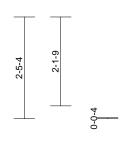


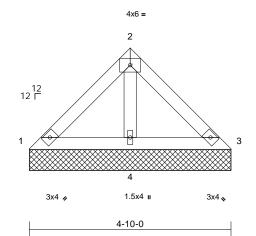
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 14 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF No.2 **BOT CHORD** 2x4 SPF No.2 2x4 SPF No.2 **OTHERS**

BRACING

TOP CHORD Structural wood sheathing directly applied or

4-10-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

bracing.

REACTIONS (lb/size) 1=49/4-10-0, 3=49/4-10-0,

4=280/4-10-0 Max Horiz 1=-35 (LC 10)

Max Grav 1=71 (LC 29), 3=71 (LC 30), 4=321

FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-60/93, 2-3=-60/93

BOT CHORD 1-4=-71/54, 3-4=-71/54

WEBS 2-4=-201/43

NOTES

- Unbalanced roof live loads have been considered for 1) this design.
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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. 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. TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.10

- 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.

LOAD CASE(S) Standard

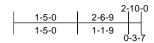


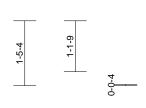


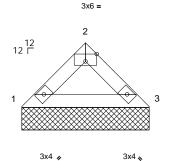
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Page: 1







2-10-0

Scale = 1:25.6

Plate Offsets (X, Y): [2:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 7 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SPF No 2 BOT CHORD 2x4 SPF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or

2-10-0 oc purlins.

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

bracing.

REACTIONS (lb/size) 1=111/2-10-0, 3=111/2-10-0

Max Horiz 1=-19 (LC 10)

Max Grav 1=127 (LC 2), 3=127 (LC 2) FORCES (lb) - Maximum Compression/Maximum

Tension

TOP CHORD 1-2=-152/17, 2-3=-152/17

BOT CHORD 1-3=-3/102

NOTES

- Unbalanced roof live loads have been considered for 1)
- Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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. 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.
- TCLL: ASCE 7-10; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.2 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct = 1.10
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.

- 7) 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.

LOAD CASE(S) Standard



