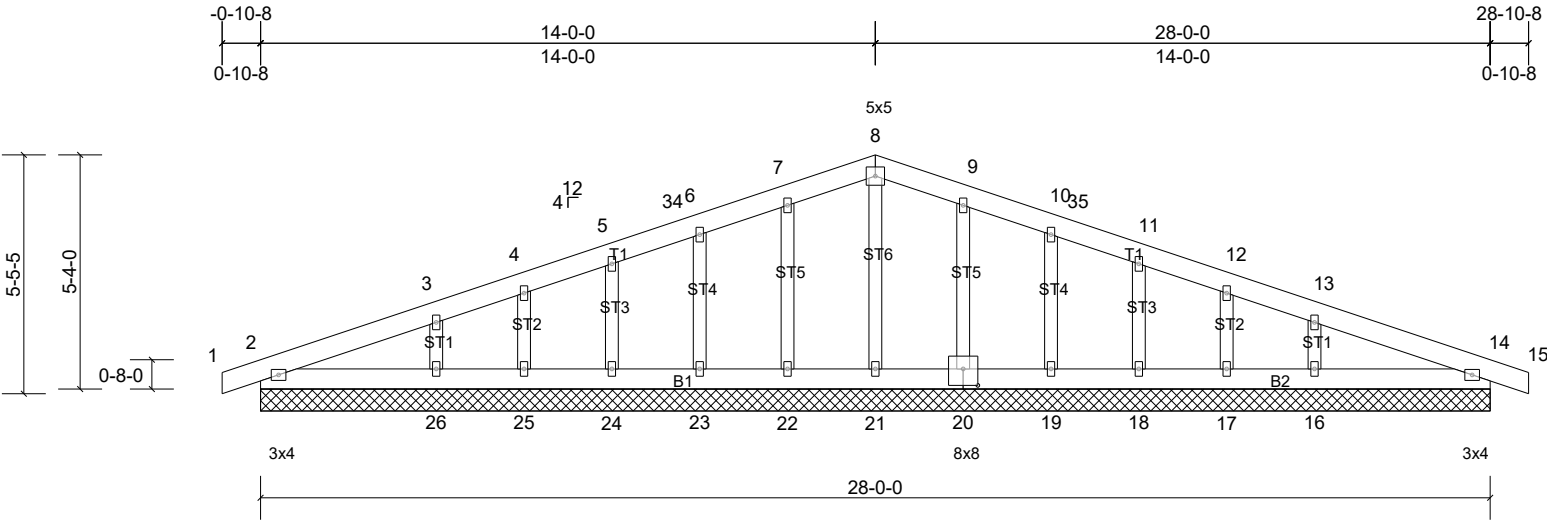


Job	Truss	Truss Type	Qty	Ply	Aspen
J0325-1502	A01	Common Supported Gable	2	1	Job Reference (optional)



Scale = 1:52.7

Plate Offsets (X, Y): [20:0-4-0,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	14	n/a	n/a	
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS							Weight: 182 lb FT = 25%

LUMBER

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
OTHERS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Structural wood sheathing directly applied.

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

8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-06"-00 tall by 2'-00"-00 wide will fit between the bottom chord and any other members.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 14, 22, 23, 24, 25, 26, 20, 19, 18, 17, 16, 2, 14.

10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

REACTIONS

- All bearings 28'-0'-0".
- (lb) - Max Horiz 2=-59 (LC 17), 27=-59 (LC 17)
- Max Uplift All uplift 100 (lb) or less at joint(s) 2, 14, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 31
- Max Grav All reactions 250 (lb) or less at joint (s) 2, 14, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 31 except 16=309 (LC 26), 26=309 (LC 25)

FORCES

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Corner (3E) -0-10-8 to 3-6-5, Exterior(2N) 3-6-5 to 14-0-0, Corner(3R) 14-0-0 to 18-4-13, Exterior(2N) 18-4-13 to 28-10-8 zone; 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.
- All plates are 2x4 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.

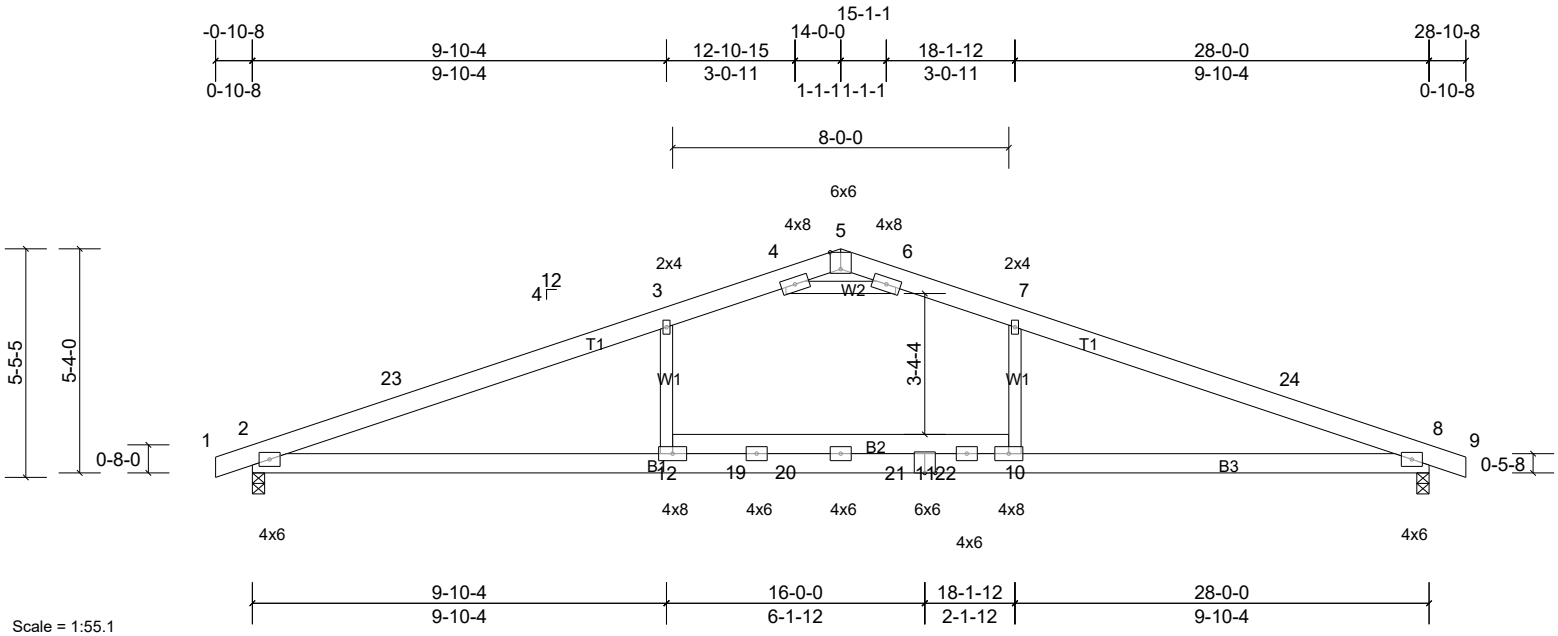
Job	Truss	Truss Type	Qty	Ply	Aspen
J0325-1502	A02	Common	6	1	Job Reference (optional)

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Scale = 1:55.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.98	Vert(LL)	-0.30	10-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.52	10-18	>652	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS		Wind(LL)	0.19	12-15	>999	240	Weight: 171 lb	FT = 25%

LUMBER

TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.

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

- 5) * 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.
- 6) One RT3A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 8. This connection is for uplift only and does not consider lateral forces.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

REACTIONS (lb/size) 2=1273/0-3-8, (min. 0-1-10),
8=1273/0-3-8, (min. 0-1-10)
Max Horiz 2=-59 (LC 13)
Max Uplift 2=-20 (LC 8), 8=-20 (LC 9)
Max Grav 2=1353 (LC 2), 8=1353 (LC 2)

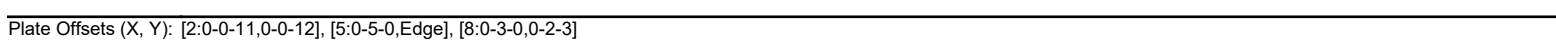
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-23=-2655/336, 3-23=-2550/360,
3-4=-2361/428, 4-5=-182/1712,
5-6=-182/1713, 6-7=-2360/428,
7-24=-2550/360, 8-24=-2655/336
BOT CHORD 2-12=-218/2419, 12-19=-223/2410,
19-20=-219/2415, 20-21=-219/2420,
11-21=-217/2421, 11-22=-220/2396,
10-22=-234/2383, 8-10=-218/2419
WEBS 3-12=0/536, 7-10=0/540, 4-6=-4227/632

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust)
Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-10-8 to 3-6-5, Interior (1) 3-6-5 to 14-0-0, Exterior(2R) 14-0-0 to 18-1-12, Interior (1) 18-1-12 to 28-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 200.0lb AC unit load placed on the bottom chord, 14-0-0 from left end, supported at two points, 5-0-0 apart.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

LOAD CASE(S) Standard

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LUMBER		6) * This truss has been designed for a live load of 20.0psf
TOP CHORD	2x6 SP 2400F 2.0E	on the bottom chord in all areas where a rectangle
BOT CHORD	2x6 SP No.1	3-06-00 tall by 2-00-00 wide will fit between the bottom
WEBS	2x4 SP No.2	chord and any other members, with BCDL = 10.0psf.
BRACING		7) One RT3A MiTek connectors recommended to connect
TOP CHORD	2-0-0 oc purlins (5-0-10 max.)	truss to bearing walls due to UPLIFT at jt(s) 2 and 8. This
	(Switched from sheeted: Spacing > 2-0-0).	connection is for uplift only and does not consider lateral
BOT CHORD	Structural wood sheathing directly applied or	forces.
	10-0-0 oc bracing.	8) Graphical purlin representation does not depict the size
REACTIONS (lb/size)	2=1419/0-3-8, (min. 0-1-13),	or the orientation of the purlin along the top and/or
	8=1419/0-3-8, (min. 0-1-13)	bottom chord.
	Max Horiz 2=-67 (LC 13)	LOAD CASE(S) Standard
	Max Uplift 2=-35 (LC 8), 8=-35 (LC 9)	
	Max Grav 2=1510 (LC 2), 8=1510 (LC 2)	
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250	
	(lb) or less except when shown.	
TOP CHORD	2-23=-2973/417, 3-23=-2859/444,	
	3-4=-2647/516, 4-5=-256/2001,	
	5-6=-256/2002, 6-7=-2646/516,	
	7-24=-2859/444, 8-24=-2974/417	
BOT CHORD	2-12=-283/2712, 12-19=-288/2702,	
	19-20=-283/2707, 20-21=-283/2713,	
	11-21=-281/2714, 11-22=-284/2686,	
	10-22=-298/2673, 8-10=-283/2712	
WEBS	7-10=0/593, 3-12=0/588, 4-6=-4824/802	

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust)
 Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf, h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -0-10-8 to 3-6-5, Interior (1) 3-6-5 to 14-0-0, Exterior(2R) 14-0-0 to 18-1-12, Interior (1) 18-1-12 to 28-10-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 200.0lb AC unit placed on the bottom chord, 14-0-0 from left end, supported at two points, 5-0-0 apart.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

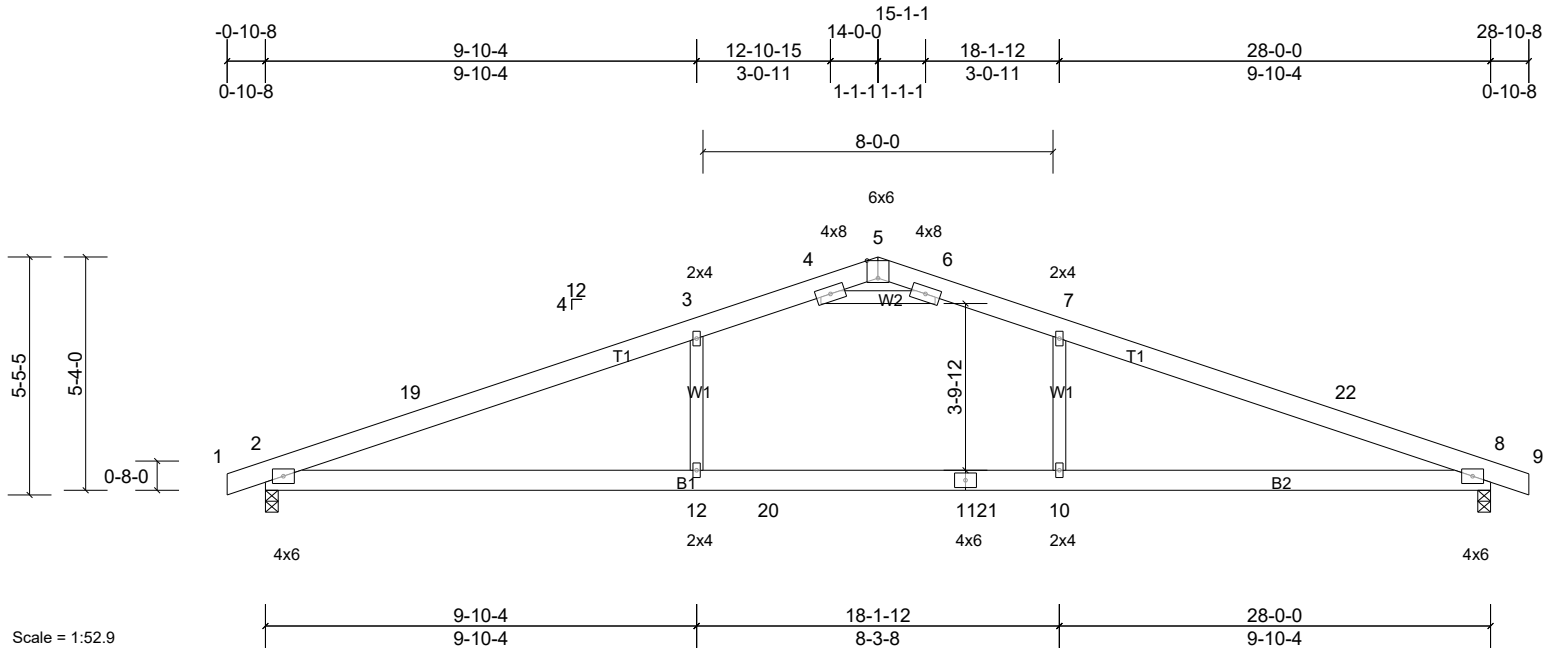
Job	Truss	Truss Type	Qty	Ply	Aspen
J0325-1502	A04	Common	8	1	Job Reference (optional)

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Scale = 1:52.9

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

Loading	(psf)	Spacing	2-0-0	CSI	1.00	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.32	10-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.53	10-18	>636	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS		Wind(LL)	0.20	12-15	>999	240	Weight: 152 lb	FT = 25%

LUMBER

TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.

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

- * 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.
- One RT3A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 8. This connection is for uplift only and does not consider lateral forces.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

REACTIONS (lb/size) 2=1273/0-3-8, (min. 0-1-10),
8=1273/0-3-8, (min. 0-1-10)
Max Horiz 2=-59 (LC 13)
Max Uplift 2=-20 (LC 8), 8=-20 (LC 9)
Max Grav 2=1371 (LC 2), 8=1371 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250
(lb) or less except when shown.
TOP CHORD 2-19=-2705/319, 3-19=-2599/343,
3-4=-2405/413, 4-5=-178/1742,
5-6=-178/1742, 6-7=-2405/413,
7-22=-2599/343, 8-22=-2705/319
BOT CHORD 2-12=-203/2466, 12-20=-203/2466,
11-20=-203/2466, 11-21=-203/2466,
10-21=-203/2466, 8-10=-203/2466
WEBS 7-10=0/545, 3-12=0/545, 4-6=-4304/613

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust)
Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-10-8 to 3-6-5, Interior (1) 3-6-5 to 14-0-0, Exterior(2R) 14-0-0 to 18-1-12, Interior (1) 18-1-12 to 28-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 200.0lb AC unit load placed on the bottom chord, 14-0-0 from left end, supported at two points, 5-0-0 apart.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Aspen
J0325-1502	A05	Common	4	1	Job Reference (optional)

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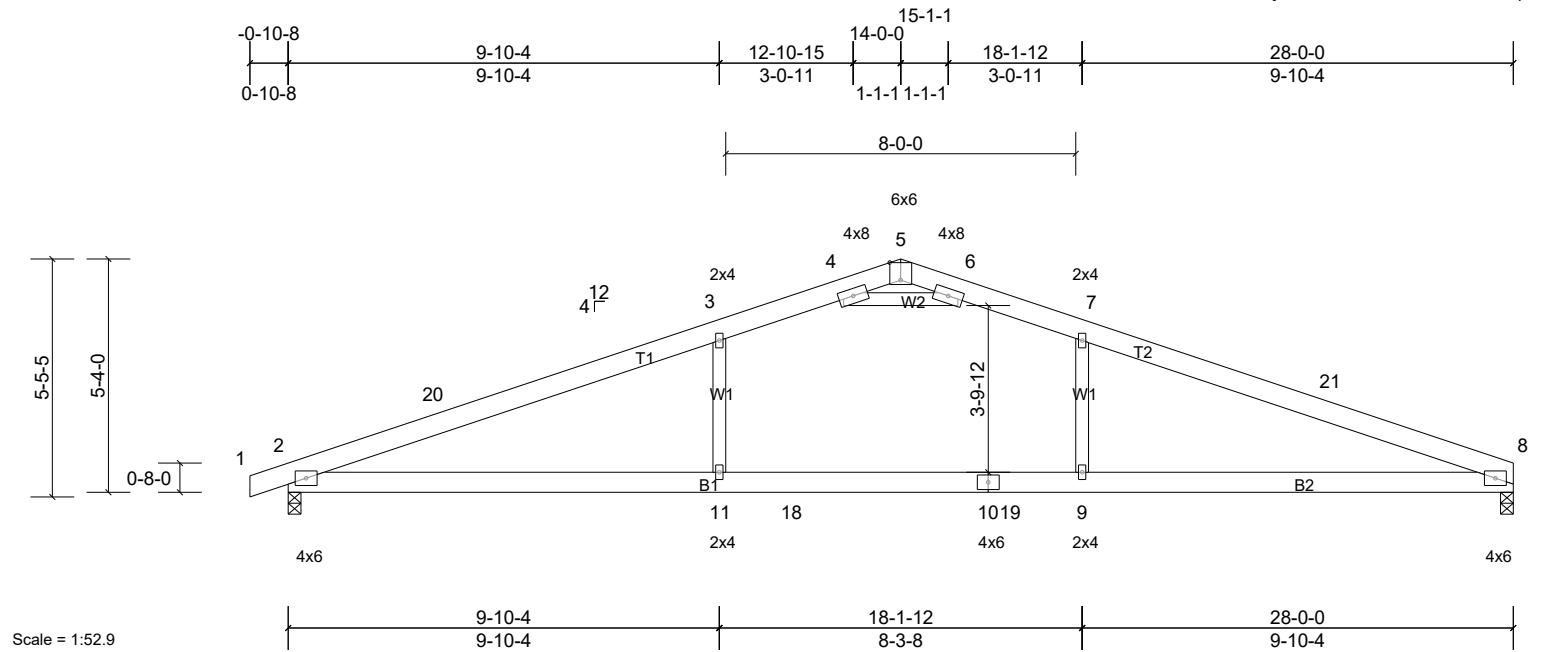


Plate Offsets (X, Y): [5:0-3:0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.32	9-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.53	9-17	>632	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS		Wind(LL)	0.20	9-17	>999	240	Weight: 150 lb	FT = 25%

LUMBER

TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.

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

- 5) * 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.
- 6) One RT3A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 8. This connection is for uplift only and does not consider lateral forces.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

REACTIONS (lb/size) 2=1273/0-3-8, (min. 0-1-10),
8=1219/0-3-8, (min. 0-1-9)
Max Horiz 2=63 (LC 16)
Max Uplift 2=-20 (LC 8)
Max Grav 2=1372 (LC 2), 8=1327 (LC 2)

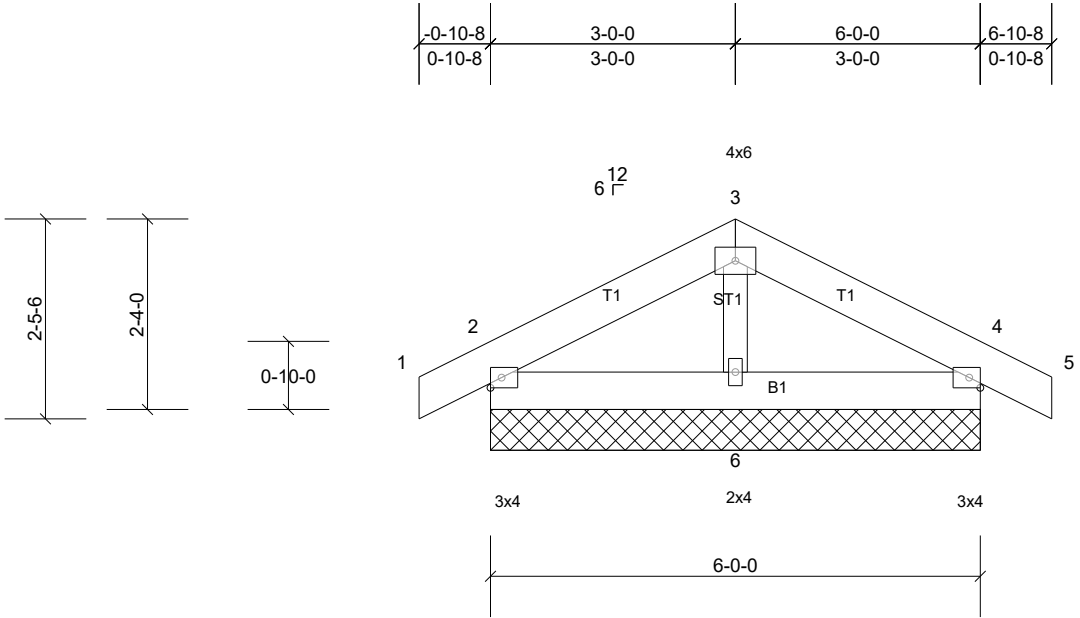
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-20=-2708/320, 3-20=-2602/344,
3-4=-2407/415, 4-5=-186/1746,
5-6=-180/1746, 6-7=-2407/419,
7-21=-2602/348, 8-21=-2708/327
BOT CHORD 2-11=-230/2468, 11-18=-230/2468,
10-18=-230/2468, 10-19=-230/2468,
9-19=-230/2468, 8-9=-230/2468
WEBS 3-11=0/546, 7-9=0/545, 4-6=-4311/627

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust)
Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-10-8 to 3-6-5, Interior (1) 3-6-5 to 14-0-0, Exterior(2R) 14-0-0 to 18-1-12, Interior (1) 18-1-12 to 28-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 200.0lb AC unit load placed on the bottom chord, 14-0-0 from left end, supported at two points, 5-0-0 apart.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Aspen
J0325-1502	B01	Common Supported Gable	1	1	Job Reference (optional)



Scale = 1:28.3

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS							Weight: 37 lb	FT = 25%

LUMBER		
TOP CHORD	2x6 SP No.1	
BOT CHORD	2x6 SP No.1	
OTHERS	2x4 SP No.2	
BRACING		
TOP CHORD	Structural wood sheathing directly applied.	
BOT CHORD	Structural wood sheathing directly applied.	
	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.	

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 2, 53 lb uplift at joint 6 and 100 lb uplift at joint 2.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

REACTIONS	All bearings 6-0-0.
(lb) - Max Horiz	2=-25 (LC 10), 7=-25 (LC 10)
Max Uplift	All uplift 100 (lb) or less at joint(s) 6 except 2=-101 (LC 26), 7=-101 (LC 26)
Max Grav	All reactions 250 (lb) or less at joint (s) 2, 7 except 6=586 (LC 1)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-352/296, 3-4=-363/300
BOT CHORD	2-6=-243/474, 4-6=-243/474
WEBS	3-6=-399/553

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Corner (3E) zone;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.
 - 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.

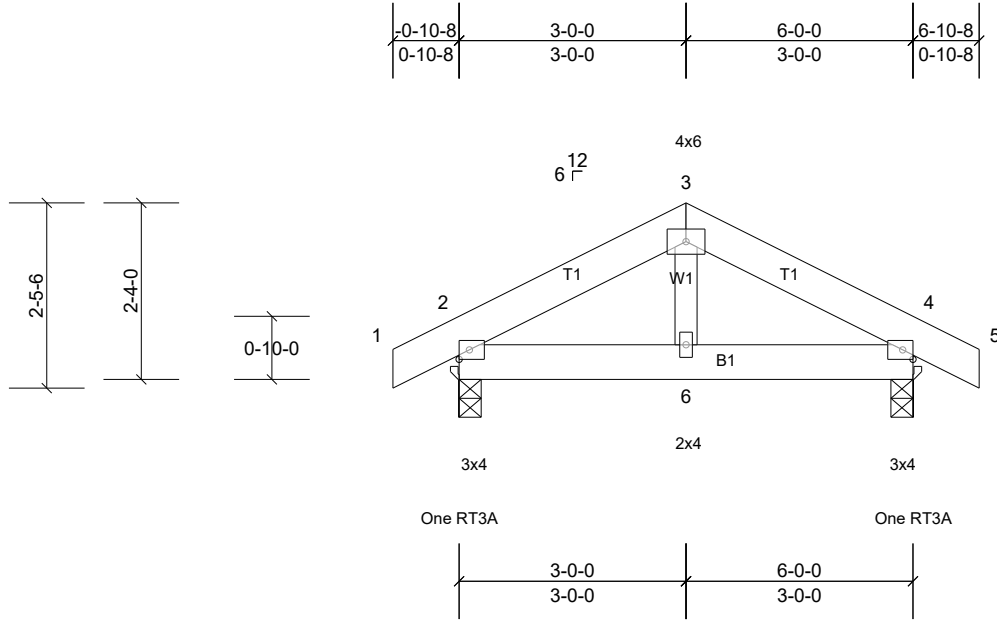
Job	Truss	Truss Type	Qty	Ply	Aspen
J0325-1502	B02	Common	2	1	Job Reference (optional)

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Scale = 1:30.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	0.00	6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-AS		Wind(LL)	0.00	6-9	>999	240	Weight: 37 lb	FT = 25%

LUMBER

TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Structural wood sheathing directly applied.

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

REACTIONS (lb/size) 2=293/0-3-8, (min. 0-1-8),
4=293/0-3-8, (min. 0-1-8)
Max Horiz 2=-25 (LC 10)
Max Uplift 2=-26 (LC 12), 4=-26 (LC 13)

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust)
Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- One RT3A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard