

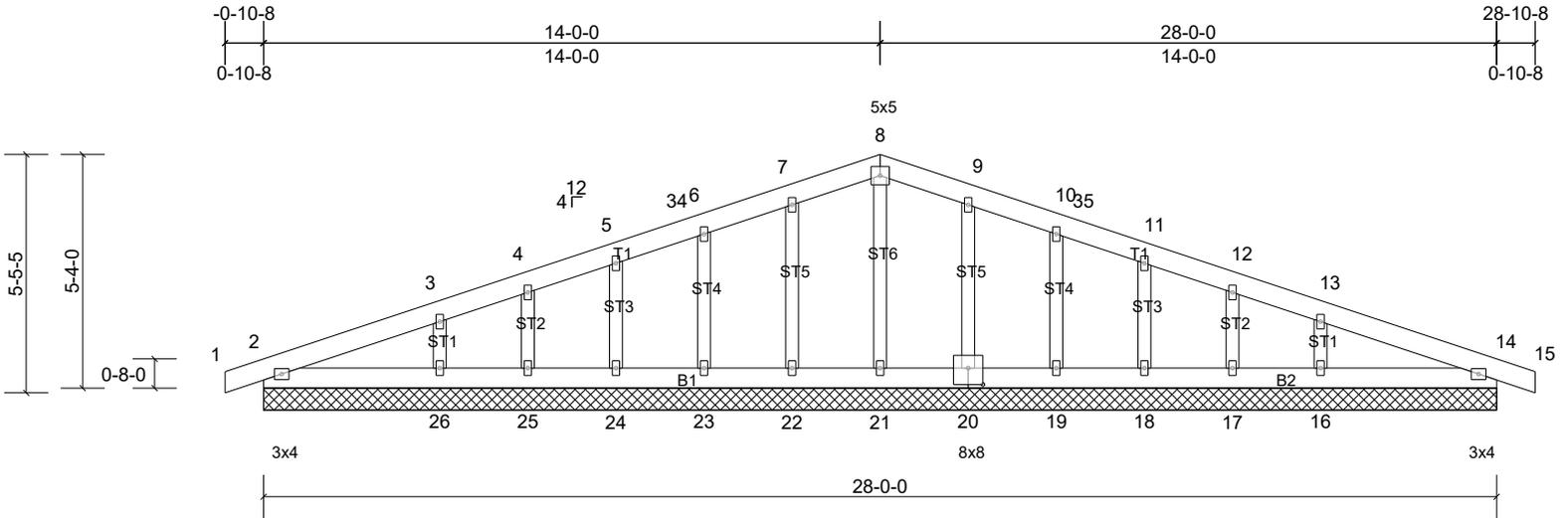
Job J0325-1502	Truss A01	Truss Type Common Supported Gable	Qty 2	Ply 1	Aspen Job Reference (optional)
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Scale = 1:52.7

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	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
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" oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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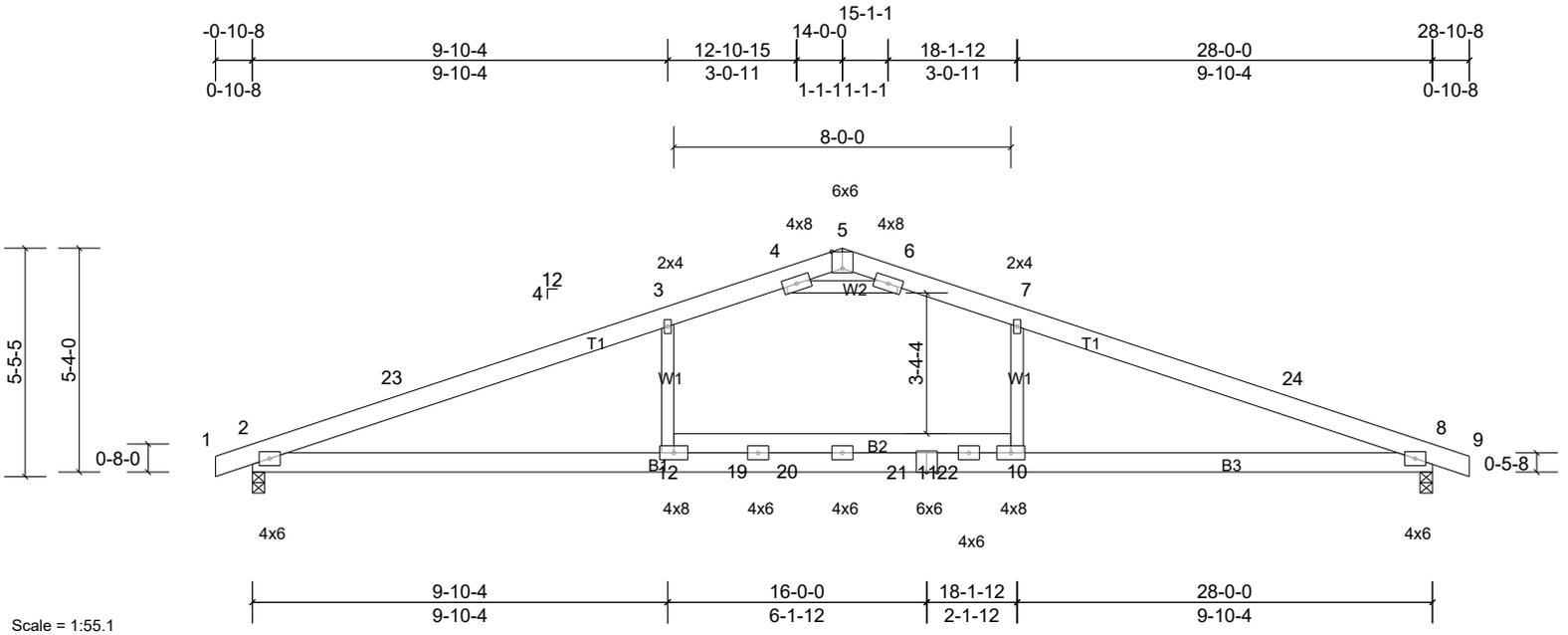


Plate Offsets (X, Y): [5:0-3:0,Edge]

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	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**
- 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 load placed on the bottom chord, 14-0-0 from left end, supported at two points, 5-0-0 apart.
 - 4) 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 J0325-1502	Truss A03	Truss Type Common	Qty 2	Ply 1	Aspen Job Reference (optional)
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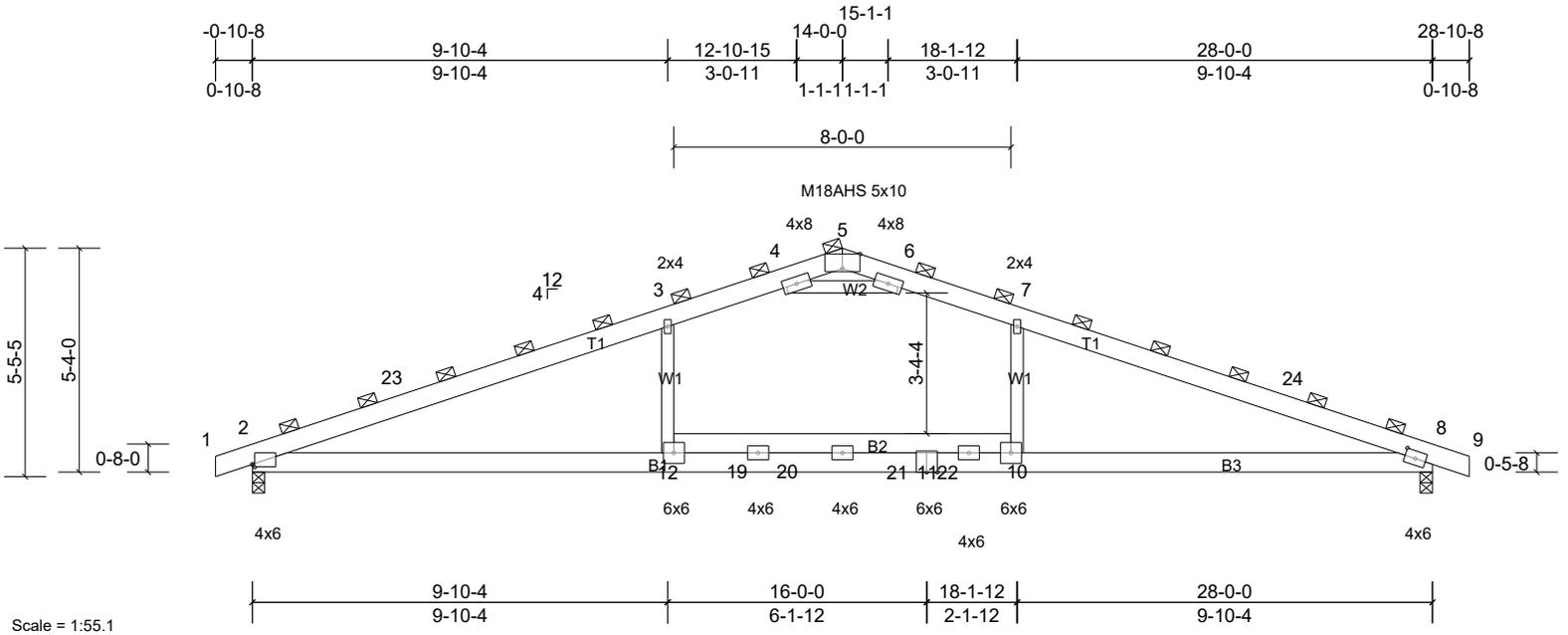


Plate Offsets (X, Y): [2:0-0-11,0-0-12], [5:0-5-0,Edge], [8:0-3-0,0-2-3]

Loading	(psf)	Spacing	2-3-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.33	10-18	>999	360	MT20 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.54	10-18	>617	240	M18AHS 186/179
BCLL	0.0*	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.04	8	n/a	n/a	
BCDL	10.0	Code	IRC2021/TP12014	Matrix-MS		Wind(LL)	0.20	12-15	>999	240	Weight: 171 lb FT = 25%

LUMBER
TOP CHORD 2x6 SP 2400F 2.0E
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

BRACING
TOP CHORD 2-0-0 oc purlins (5-0-10 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Structural wood sheathing directly applied or
10-0-0 oc bracing.

REACTIONS (lb/size) 2=1419/0-3-8, (min. 0-1-13),
8=1419/0-3-8, (min. 0-1-13)
Max Horiz 2=-67 (LC 13)
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

- 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, with BCDL = 10.0psf.
- 7) 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.
- 8) 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

- NOTES**
- 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 load 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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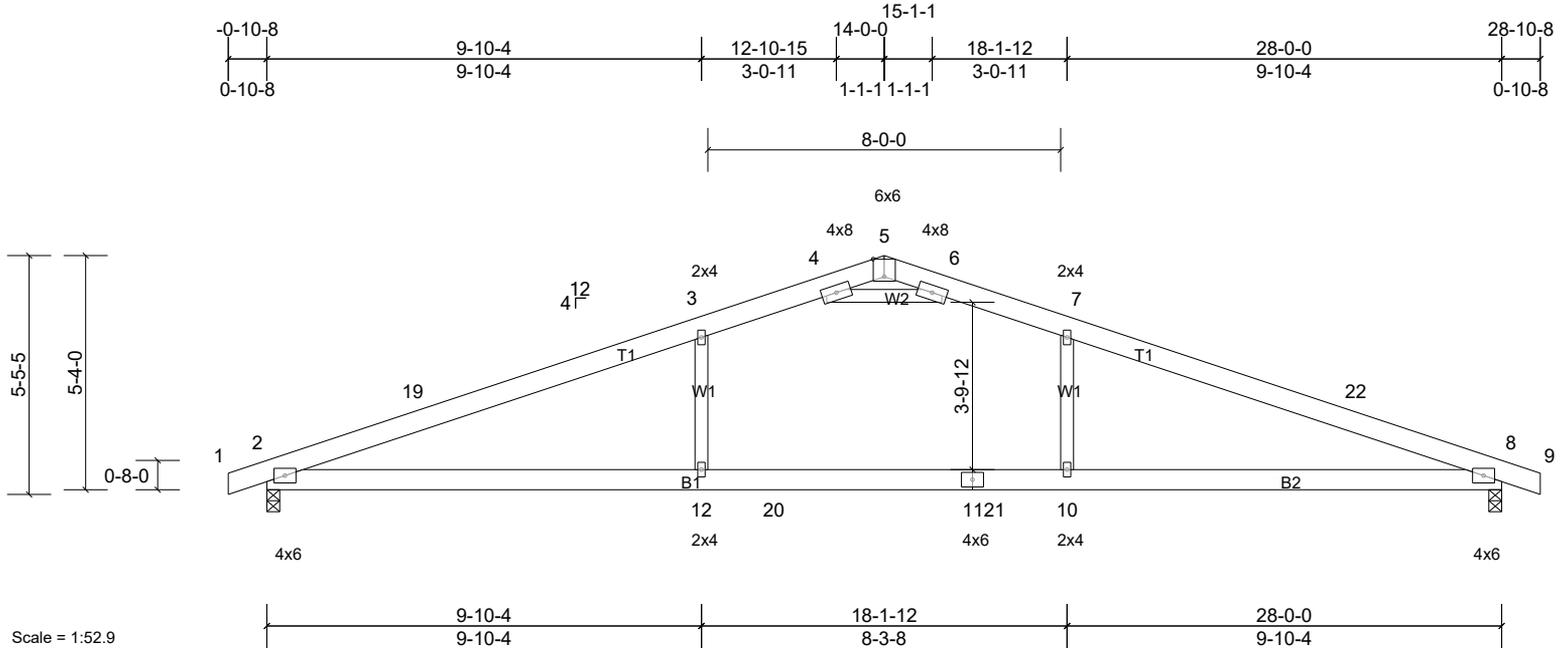


Plate Offsets (X, Y): [5:0-3:0,Edge]

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	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)

LOAD CASE(S) Standard

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.

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

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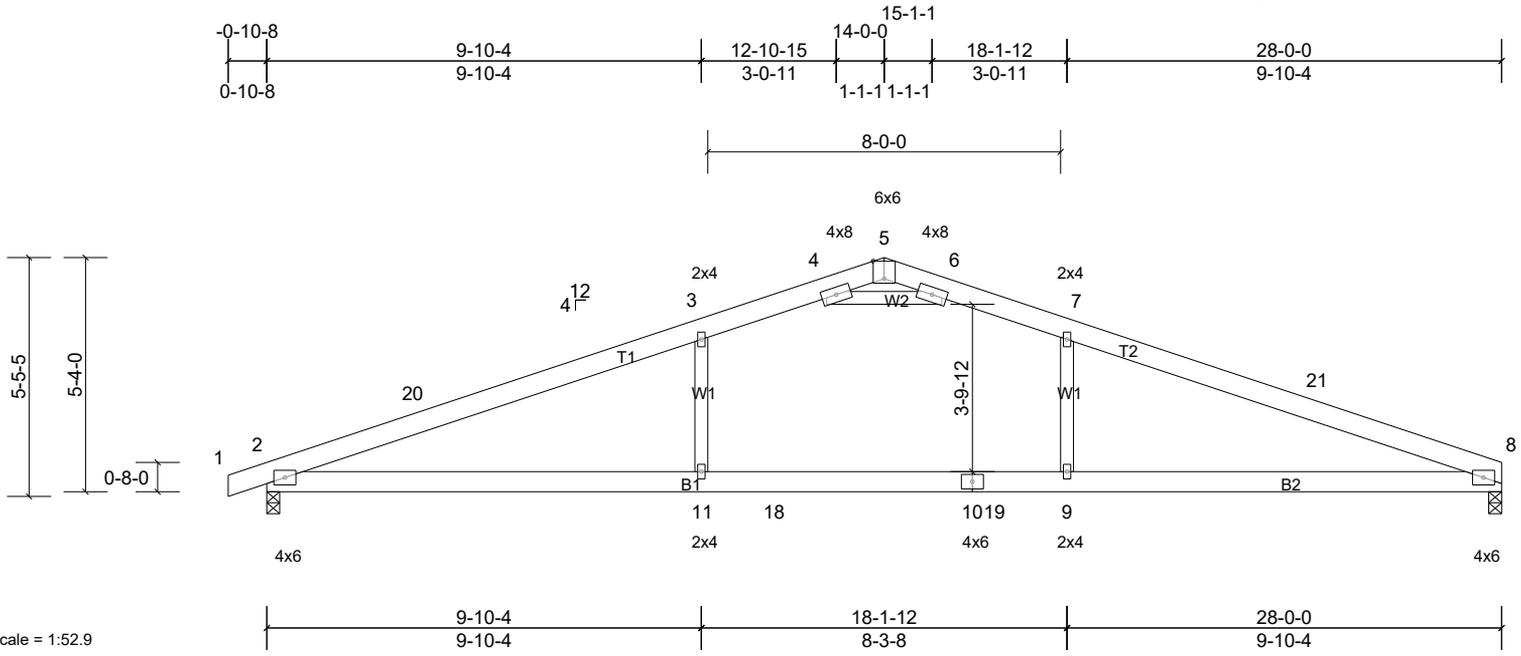


Plate Offsets (X, Y): [5:0-3:0,Edge]

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**
- 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 28-0-0 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 load placed on the bottom chord, 14-0-0 from left end, supported at two points, 5-0-0 apart.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

LOAD CASE(S) Standard

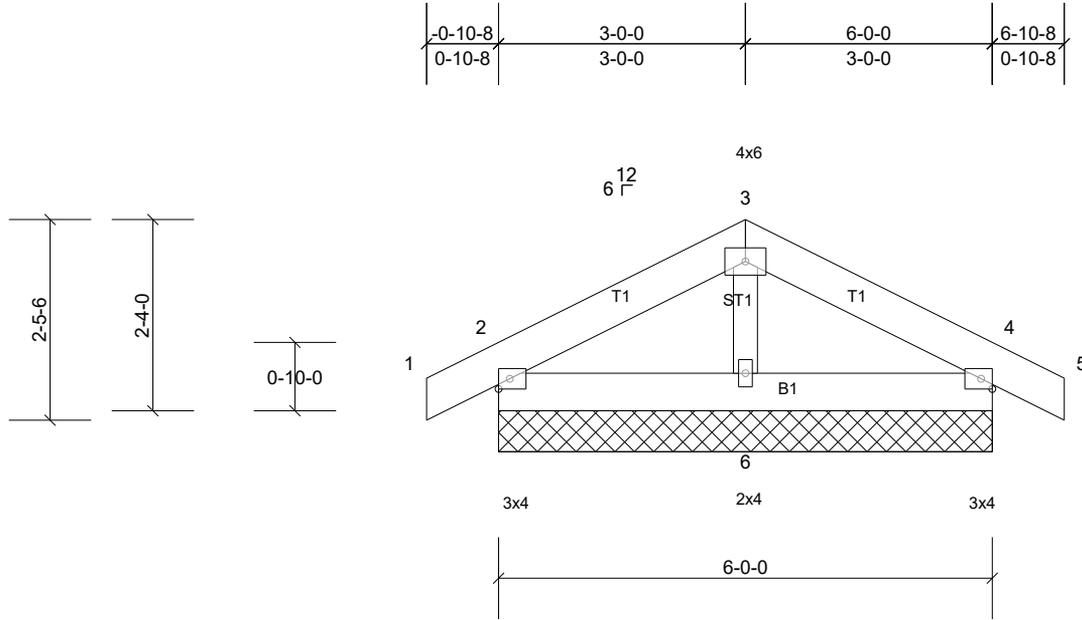
Job J0325-1502	Truss B01	Truss Type Common Supported Gable	Qty 1	Ply 1	Aspen Job Reference (optional)
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Scale = 1:28.3

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.

- 8) 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.
- 9) 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**
- 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 Corner (3E) zone;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.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) Gable studs spaced at 2-0-0 oc.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

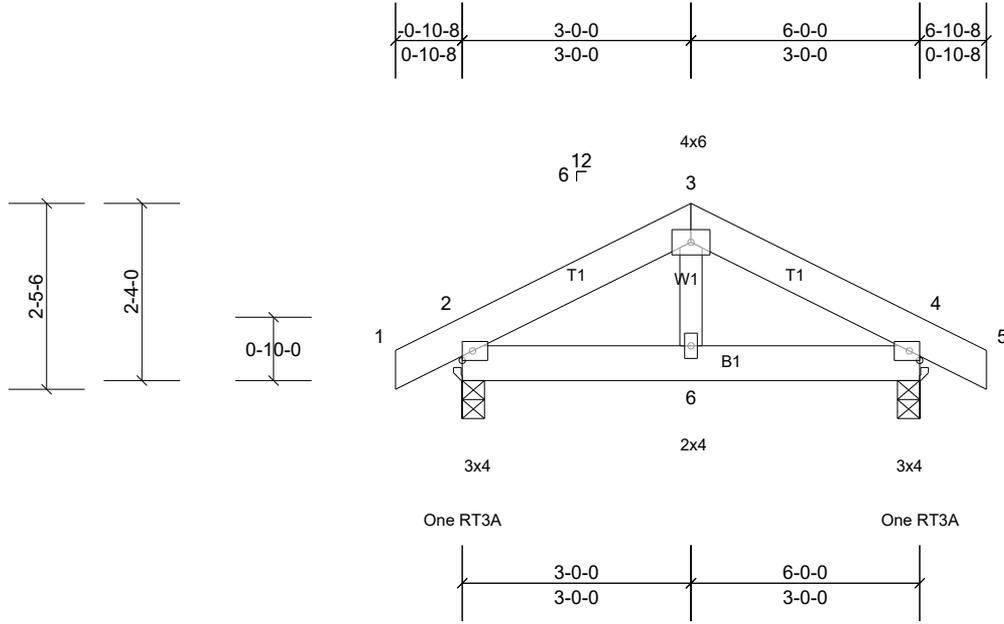
Job J0325-1502	Truss B02	Truss Type Common	Qty 2	Ply 1	Aspen Job Reference (optional)
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Scale = 1:30.6

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

- 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) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * 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.
- 5) 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.
- 6) 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