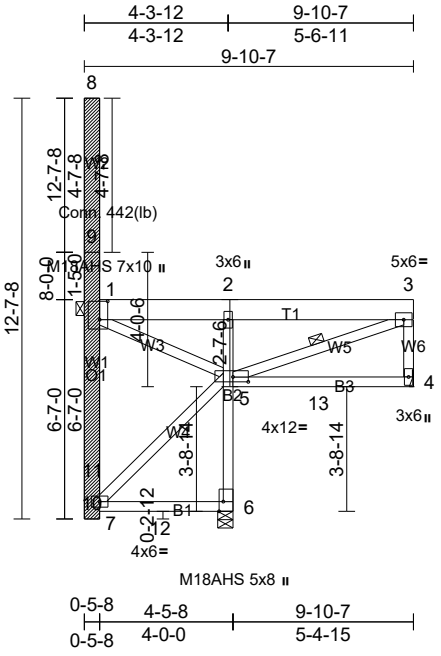
Job	Truss	Truss Type	Qty	Ply	Discovery Animal Hospital
2504308-A	M60	Roof Special	1	1	Job Reference (optional)



Scale = 1:56.9

Plate Offsets (X, Y): [1:0-6-10,0-2-15], [5:0-5-8,0-1-12], [6:0-3-8,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	0.43	Vert(LL)	-0.11	4-5	>613	360	M18AHS	186/179
Snow (Pf/Pg)	19.0/20.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.13	4-5	>492	360	MT20	244/190
TCDL	15.0	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.11	4	n/a	n/a		
BCLL	0.0	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	2	>999	240		
BCDL	10.0										Weight: 135 lb	FT = 12%

LUMBER
TOP CHORD 2x8 SP M 23
BOT CHORD 2x4 SP 1650F 1.6E *Except* B2:2x4 SP No.2
WEBS 2x4 SP No.2 *Except* W2,W1:2x6 SP 2400F 2.0E
LBR SCAB 8-10 SP 2400F 2.0E one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-6 oc purlins, except end verticals.
Except:
6-0-0 oc bracing: 1-10
10-0-0 oc bracing: 1-8
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-5, 1-10, 1-8

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

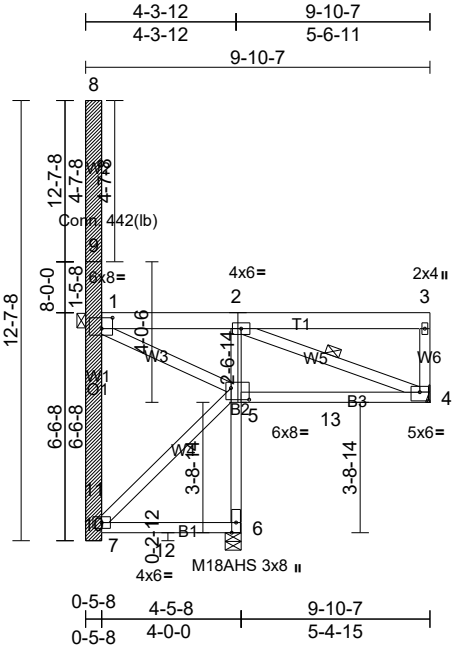
REACTIONS (lb/size) 4=-512/ Mechanical, (min. 0-1-8), 6=3752/0-5-8, (min. 0-4-9)
Max Horiz 6=-520 (LC 11)
Max Uplift 4=-839 (LC 19), 6=-912 (LC 9)
Max Grav 4=746 (LC 11), 6=3874 (LC 36)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2996/2421, 2-3=-2992/2421, 3-4=-1213/902, 7-11=-906/644, 1-11=-906/644
BOT CHORD 7-12=-881/688, 6-12=-881/688, 5-6=-3833/1881, 2-5=-1997/500
WEBS 3-5=-2613/3227, 5-7=-951/1313, 1-5=-2383/2405

NOTES
1) Attached 12-7-8 scab 8 to 10, front face(s) 2x6 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 3-7-9 from end at joint 8, nail 2 row(s) at 7" o.c. for 3-8-10.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=19.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All additional member connections shall be provided by others for forces as indicated.
8) Plates checked for a plus or minus 5 degree rotation about its center.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 839 lb uplift at joint 4 and 912 lb uplift at joint 6.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 6-7=-20, 4-5=-20
Concentrated Loads (lb)
Vert: 1=-3, 2=-84
Trapezoidal Loads (lb/ft)
Vert: 1=-559-to-2=-554, 2=-151-to-3=-105

Job	Truss	Truss Type	Qty	Ply	Discovery Animal Hospital
2504308-A	M61	Roof Special	1	1	Job Reference (optional)



Scale = 1:56.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.10	4-5	>630	360	MT20	244/190
Snow (Pf/Pg)	19.0/20.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.13	4-5	>505	360	M18AHS	186/179
TCDL	15.0	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.18	4	n/a	n/a		
BCLL	0.0	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	2	>999	240		
BCDL	10.0										Weight: 128 lb	FT = 12%

LUMBER
TOP CHORD 2x6 SP 2400F 2.0E
BOT CHORD 2x4 SP 1650F 1.6E *Except* B2:2x4 SP No.2
WEBS 2x4 SP No.2 *Except* W2,W1:2x6 SP 2400F 2.0E
LBR SCAB 8-10 SP 2400F 2.0E one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-2 oc purlins, except end verticals.
Except:
6-0-0 oc bracing: 1-10
10-0-0 oc bracing: 1-8
BOT CHORD Rigid ceiling directly applied or 4-3-8 oc bracing.
WEBS 1 Row at midpt 2-4, 1-10, 1-8

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

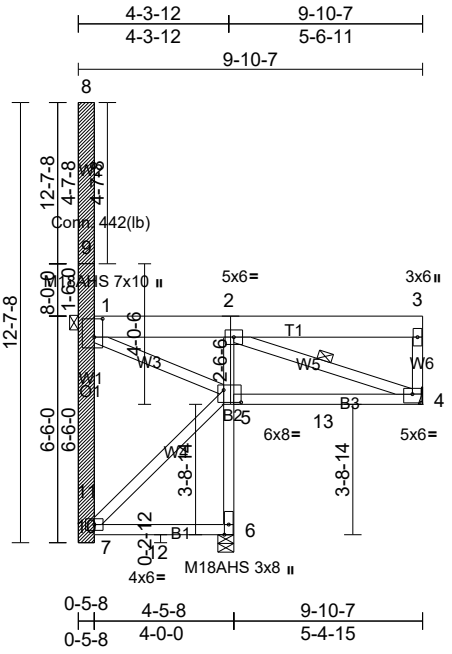
REACTIONS (lb/size) 4=-378/ Mechanical, (min. 0-1-8), 6=3193/0-5-8, (min. 0-5-3)
Max Horiz 6=-519 (LC 11)
Max Uplift 4=-738 (LC 19), 6=-912 (LC 9)
Max Grav 4=746 (LC 11), 6=3315 (LC 36)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3310/2452, 7-11=-992/704, 1-11=-992/704
BOT CHORD 7-12=-879/688, 6-12=-879/688, 5-6=-3276/1877, 2-5=-2311/1807, 5-13=-2489/3378, 4-13=-2492/3377
WEBS 2-4=-3550/2647, 5-7=-1014/1406, 1-5=-2362/2666

NOTES
1) Attached 12-7-8 scab 8 to 10, front face(s) 2x6 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 3-7-9 from end at joint 8, nail 2 row(s) at 7" o.c. for 3-8-4.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=19.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All additional member connections shall be provided by others for forces as indicated.
8) Plates checked for a plus or minus 5 degree rotation about its center.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 738 lb uplift at joint 4 and 912 lb uplift at joint 6.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 6-7=-20, 4-5=-20
Trapezoidal Loads (lb/ft)
Vert: 1=-471-to-2=-476, 2=-151-to-3=-105

Job	Truss	Truss Type	Qty	Ply	Discovery Animal Hospital
2504308-A	M62	Roof Special	1	1	Job Reference (optional)



Scale = 1:56.9

Plate Offsets (X, Y): [1:0-6-5,0-2-14], [4:0-3-0,0-3-0], [5:0-6-0,0-4-4]

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	0.41	Vert(LL)	-0.10	4-5	>637	360	M18AHS	186/179
Snow (Pf/Pg)	19.0/20.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.13	4-5	>506	360	MT20	244/190
TCDL	15.0	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.19	4	n/a	n/a		
BCLL	0.0	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	2	>999	240		
BCDL	10.0										Weight: 134 lb	FT = 12%

LUMBER
TOP CHORD 2x8 SP M 23
BOT CHORD 2x4 SP 1650F 1.6E *Except* B2:2x4 SP No.2
WEBS 2x4 SP No.2 *Except* W2,W1:2x6 SP 2400F 2.0E
LBR SCAB 8-10 SP 2400F 2.0E one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-2 oc purlins, except end verticals.
Except:
10-0-0 oc bracing: 1-10, 1-8
BOT CHORD Rigid ceiling directly applied or 4-3-12 oc bracing.
WEBS 1 Row at midpt 2-4, 1-10, 1-8

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

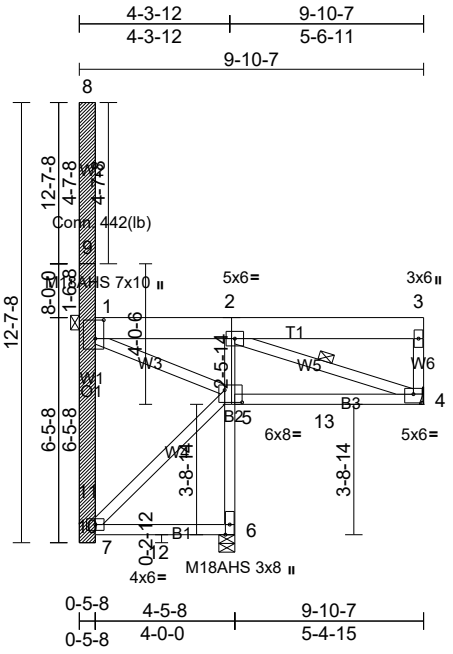
REACTIONS (lb/size) 4=-393/ Mechanical, (min. 0-1-8), 6=3232/0-5-8, (min. 0-5-4)
Max Horiz 6=-521 (LC 11)
Max Uplift 4=-751 (LC 19), 6=-913 (LC 9)
Max Grav 4=748 (LC 11), 6=3354 (LC 36)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3339/2480, 7-11=-967/687, 1-11=-967/687
BOT CHORD 7-12=-882/687, 6-12=-882/687, 5-6=-3313/1884, 2-5=-2407/1828, 5-13=-2504/3403, 4-13=-2507/3402
WEBS 2-4=-3532/2630, 5-7=-987/1365, 1-5=-2367/2694

NOTES
1) Attached 12-7-8 scab 8 to 10, front face(s) 2x6 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 3-7-9 from end at joint 8, nail 2 row(s) at 7" o.c. for 3-9-10.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=19.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All additional member connections shall be provided by others for forces as indicated.
8) Plates checked for a plus or minus 5 degree rotation about its center.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 751 lb uplift at joint 4 and 913 lb uplift at joint 6.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 6-7=-20, 4-5=-20
Trapezoidal Loads (lb/ft)
Vert: 1=-482-to-2=-477, 2=-151-to-3=-104

Job	Truss	Truss Type	Qty	Ply	Discovery Animal Hospital
2504308-A	M63	Roof Special	1	1	Job Reference (optional)



Scale = 1:56.9

Plate Offsets (X, Y): [1:0-6-6,0-2-14], [4:0-3-0,0-3-0], [5:0-6-0,0-4-4]

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	0.42	Vert(LL)	-0.10	4-5	>638	360	M18AHS	186/179
Snow (Pf/Pg)	19.0/20.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.13	4-5	>510	360	MT20	244/190
TCDL	15.0	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.19	4	n/a	n/a		
BCLL	0.0	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	2	>999	240		
BCDL	10.0										Weight: 134 lb	FT = 12%

LUMBER
TOP CHORD 2x8 SP M 23
BOT CHORD 2x4 SP 1650F 1.6E *Except* B2:2x4 SP No.2
WEBS 2x4 SP No.2 *Except* W2,W1:2x6 SP 2400F 2.0E
LBR SCAB 8-10 SP 2400F 2.0E one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-7 oc purlins, except end verticals.
Except:
10-0-0 oc bracing: 1-10, 1-8
BOT CHORD Rigid ceiling directly applied or 4-3-1 oc bracing.
WEBS 1 Row at midpt 2-4, 1-10, 1-8

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

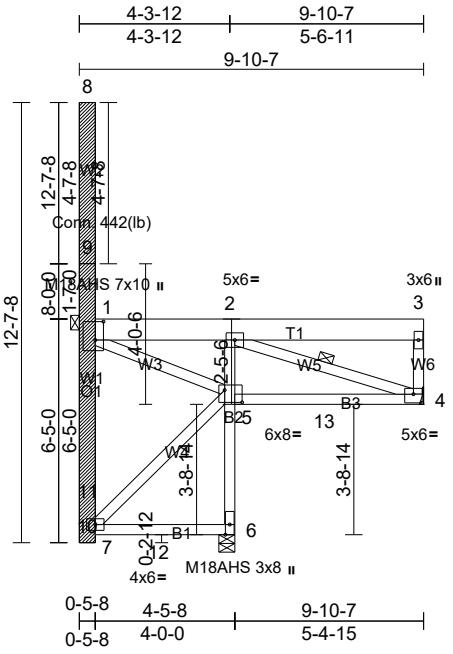
REACTIONS (lb/size) 4=-393/ Mechanical, (min. 0-1-8), 6=3251/0-5-8, (min. 0-5-5)
Max Horiz 6=-522 (LC 11)
Max Uplift 4=-751 (LC 19), 6=-914 (LC 9)
Max Grav 4=748 (LC 11), 6=3374 (LC 36)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3404/2530, 3-4=-215/253, 7-11=-973/690, 1-11=-973/690
BOT CHORD 7-12=-882/687, 6-12=-882/687, 5-6=-3333/1885, 2-5=-2429/1837, 5-13=-2553/3465, 4-13=-2556/3464
WEBS 2-4=-3585/2672, 5-7=-993/1374, 1-5=-2409/2746

NOTES
1) Attached 12-7-8 scab 8 to 10, front face(s) 2x6 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 3-7-9 from end at joint 8, nail 2 row(s) at 7" o.c. for 3-10-2.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=19.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All additional member connections shall be provided by others for forces as indicated.
8) Plates checked for a plus or minus 5 degree rotation about its center.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 751 lb uplift at joint 4 and 914 lb uplift at joint 6.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-483, 6-7=-20, 4-5=-20
Trapezoidal Loads (lb/ft)
Vert: 2=-152-to-3=-105

Job	Truss	Truss Type	Qty	Ply	Discovery Animal Hospital
2504308-A	M64	Roof Special	1	1	Job Reference (optional)



Scale = 1:56.9

Plate Offsets (X, Y): [1:0-6-6,0-2-13], [4:0-3-0,0-3-0], [5:0-6-0,0-4-4]

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	0.42	Vert(LL)	-0.10	4-5	>638	360	M18AHS	186/179
Snow (Pf/Pg)	19.0/20.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.13	4-5	>510	360	MT20	244/190
TCDL	15.0	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.20	4	n/a	n/a		
BCLL	0.0	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	2	>999	240		
BCDL	10.0										Weight: 134 lb	FT = 12%

LUMBER
TOP CHORD 2x8 SP M 23
BOT CHORD 2x4 SP 1650F 1.6E *Except* B2:2x4 SP No.2
WEBS 2x4 SP No.2 *Except* W2,W1:2x6 SP 2400F 2.0E
LBR SCAB 8-10 SP 2400F 2.0E one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-10 oc purlins, except end verticals. Except:
10-0-0 oc bracing: 1-10, 1-8
BOT CHORD Rigid ceiling directly applied or 4-3-8 oc bracing.
WEBS 1 Row at midpt 2-4, 1-10, 1-8

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

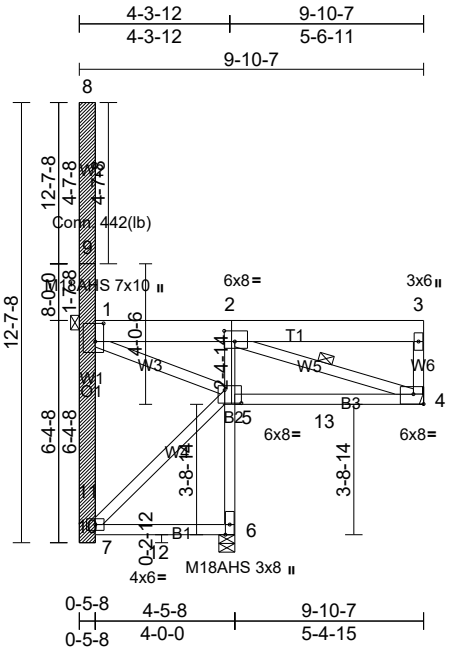
REACTIONS (lb/size) 4=-378/ Mechanical, (min. 0-1-8), 6=3193/0-5-8, (min. 0-5-3)
Max Horiz 6=-522 (LC 11)
Max Uplift 4=-741 (LC 19), 6=-915 (LC 9)
Max Grav 4=749 (LC 11), 6=3315 (LC 36)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3471/2550, 3-4=-221/257, 7-11=-979/694, 1-11=-979/694
BOT CHORD 7-12=-883/686, 6-12=-883/686, 5-6=-3275/1886, 2-5=-2393/1846, 5-13=-2570/3528, 4-13=-2573/3527
WEBS 2-4=-3640/2682, 5-7=-998/1384, 1-5=-2416/2799

NOTES
1) Attached 12-7-8 scab 8 to 10, front face(s) 2x6 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 3-7-9 from end at joint 8, nail 2 row(s) at 7" o.c. for 3-10-10.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=19.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All additional member connections shall be provided by others for forces as indicated.
8) Plates checked for a plus or minus 5 degree rotation about its center.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 741 lb uplift at joint 4 and 915 lb uplift at joint 6.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 6-7=-20, 4-5=-20
Trapezoidal Loads (lb/ft)
Vert: 1=-471-to-2=-476, 2=-151-to-3=-105

Job	Truss	Truss Type	Qty	Ply	Discovery Animal Hospital
2504308-A	M65	Roof Special	1	1	Job Reference (optional)



Scale = 1:56.9

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

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	0.43	Vert(LL)	-0.10	4-5	>639	360	M18AHS	186/179
Snow (Pf/Pg)	19.0/20.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.13	4-5	>511	360	MT20	244/190
TCDL	15.0	Rep Stress Incr	NO	WB	0.77	Horz(CT)	0.20	4	n/a	n/a		
BCLL	0.0	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	2	>999	240		
BCDL	10.0										Weight: 134 lb	FT = 12%

LUMBER
TOP CHORD 2x8 SP M 23
BOT CHORD 2x4 SP 1650F 1.6E *Except* B2:2x4 SP No.2
WEBS 2x4 SP No.2 *Except* W2,W1:2x6 SP 2400F 2.0E
LBR SCAB 8-10 SP 2400F 2.0E one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-13 oc purlins, except end verticals.
Except:
10-0-0 oc bracing: 1-10, 1-8
BOT CHORD Rigid ceiling directly applied or 4-2-11 oc bracing.
WEBS 1 Row at midpt 2-4, 1-10, 1-8

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

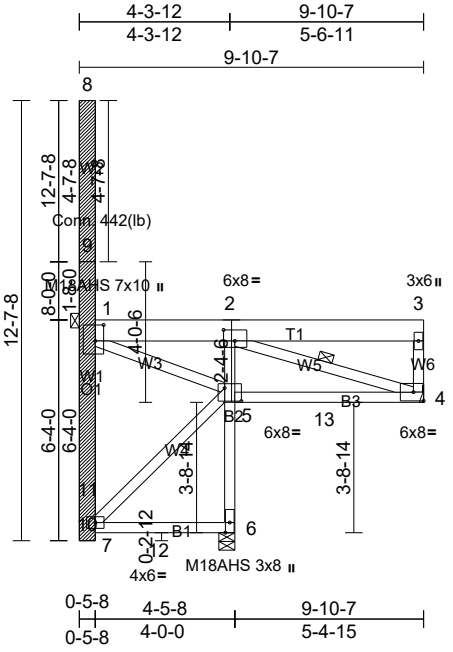
REACTIONS (lb/size) 4=-386/ Mechanical, (min. 0-1-8), 6=3213/0-5-8, (min. 0-5-4)
Max Horiz 6=-523 (LC 11)
Max Uplift 4=-747 (LC 19), 6=-916 (LC 9)
Max Grav 4=750 (LC 11), 6=3335 (LC 36)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3540/2610, 3-4=-228/261, 7-11=-986/697, 1-11=-986/697
BOT CHORD 7-12=-884/686, 6-12=-884/686, 5-6=-3294/1887, 2-5=-2411/1856, 5-13=-2628/3593, 4-13=-2631/3592
WEBS 2-4=-3695/2733, 5-7=-1004/1393, 1-5=-2468/2853

NOTES
1) Attached 12-7-8 scab 8 to 10, front face(s) 2x6 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 3-7-9 from end at joint 8, nail 2 row(s) at 7" o.c. for 3-11-2.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=19.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All additional member connections shall be provided by others for forces as indicated.
8) Plates checked for a plus or minus 5 degree rotation about its center.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 747 lb uplift at joint 4 and 916 lb uplift at joint 6.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-476, 6-7=-20, 4-5=-20
Trapezoidal Loads (lb/ft)
Vert: 2=-151-to-3=-105

Job	Truss	Truss Type	Qty	Ply	Discovery Animal Hospital
2504308-A	M66	Roof Special	1	1	Job Reference (optional)



Scale = 1:56.9

Plate Offsets (X, Y): [1:0-5-8,0-2-14], [2:0-3-14,0-3-13], [5:0-5-12,0-4-8]

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	0.44	Vert(LL)	-0.10	4-5	>639	360	M18AHS	186/179
Snow (Pf/Pg)	19.0/20.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.13	4-5	>511	360	MT20	244/190
TCDL	15.0	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.21	4	n/a	n/a		
BCLL	0.0	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	2	>999	240		
BCDL	10.0										Weight: 134 lb	FT = 12%

LUMBER
TOP CHORD 2x8 SP M 23
BOT CHORD 2x4 SP 1650F 1.6E *Except* B2:2x4 SP No.2
WEBS 2x4 SP No.2 *Except* W2,W1:2x6 SP 2400F 2.0E
LBR SCAB 8-10 SP 2400F 2.0E one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-1 oc purlins, except end verticals.
Except:
10-0-0 oc bracing: 1-10, 1-8
BOT CHORD Rigid ceiling directly applied or 4-2-2 oc bracing.
WEBS 1 Row at midpt 2-4, 1-10, 1-8

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

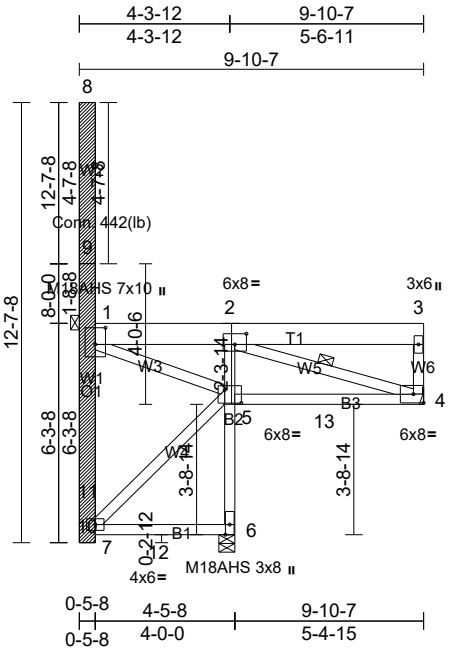
REACTIONS (lb/size) 4=-386/ Mechanical, (min. 0-1-8), 6=3213/0-5-8, (min. 0-5-4)
Max Horiz 6=-524 (LC 11)
Max Uplift 4=-747 (LC 19), 6=-916 (LC 9)
Max Grav 4=750 (LC 11), 6=3335 (LC 36)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3611/2659, 3-4=-234/265, 7-11=-992/701, 1-11=-992/701
BOT CHORD 7-12=-884/686, 6-12=-884/686, 5-6=-3294/1889, 2-5=-2417/1866, 5-13=-2675/3660, 4-13=-2679/3659
WEBS 2-4=-3752/2774, 5-7=-1009/1403, 1-5=-2508/2910

NOTES
1) Attached 12-7-8 scab 8 to 10, front face(s) 2x6 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 3-7-9 from end at joint 8, nail 2 row(s) at 7" o.c. for 3-11-10.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=19.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All additional member connections shall be provided by others for forces as indicated.
8) Plates checked for a plus or minus 5 degree rotation about its center.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 747 lb uplift at joint 4 and 916 lb uplift at joint 6.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-476, 6-7=-20, 4-5=-20
Trapezoidal Loads (lb/ft)
Vert: 2=-151-to-3=-105

Job	Truss	Truss Type	Qty	Ply	Discovery Animal Hospital
2504308-A	M67	Roof Special	1	1	Job Reference (optional)



Scale = 1:56.9

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

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	0.44	Vert(LL)	-0.10	4-5	>646	360	M18AHS	186/179
Snow (Pf/Pg)	19.0/20.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.13	4-5	>515	360	MT20	244/190
TCDL	15.0	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.22	4	n/a	n/a		
BCLL	0.0	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	2	>999	240		
BCDL	10.0										Weight: 133 lb	FT = 12%

LUMBER
TOP CHORD 2x8 SP M 23
BOT CHORD 2x4 SP 1650F 1.6E *Except* B2:2x4 SP No.2
WEBS 2x4 SP No.2 *Except* W2,W1:2x6 SP 2400F 2.0E
LBR SCAB 8-10 SP 2400F 2.0E one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-4 oc purlins, except end verticals.
Except:
10-0-0 oc bracing: 1-10, 1-8
BOT CHORD Rigid ceiling directly applied or 4-2-9 oc bracing.
WEBS 1 Row at midpt 2-4, 1-8

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

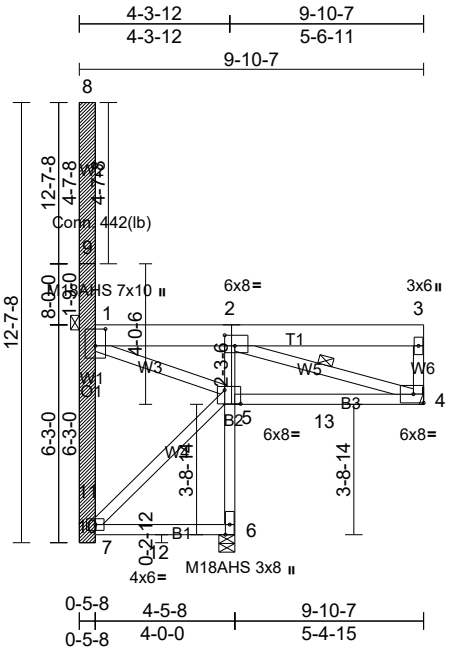
REACTIONS (lb/size) 4=-370/ Mechanical, (min. 0-1-8), 6=3155/0-5-8, (min. 0-5-2)
Max Horiz 6=-524 (LC 11)
Max Uplift 4=-736 (LC 19), 6=-917 (LC 9)
Max Grav 4=751 (LC 11), 6=3277 (LC 36)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3684/2680, 3-4=-242/270, 7-11=-999/705, 1-11=-999/705
BOT CHORD 7-12=-885/685, 6-12=-885/685, 5-6=-3236/1890, 2-5=-2381/1878, 5-13=-2694/3729, 4-13=-2697/3728
WEBS 2-4=-3810/2784, 5-7=-1015/1413, 1-5=-2517/2968

NOTES
1) Attached 12-7-8 scab 8 to 10, front face(s) 2x6 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 3-7-9 from end at joint 8, nail 2 row(s) at 7" o.c. for 4-0-2.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=19.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All additional member connections shall be provided by others for forces as indicated.
8) Plates checked for a plus or minus 5 degree rotation about its center.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 736 lb uplift at joint 4 and 917 lb uplift at joint 6.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 6-7=-20, 4-5=-20
Trapezoidal Loads (lb/ft)
Vert: 1=-464-to-2=-469, 2=-150-to-3=-105

Job	Truss	Truss Type	Qty	Ply	Discovery Animal Hospital
2504308-A	M68	Roof Special	1	1	Job Reference (optional)



Scale = 1:56.9

Plate Offsets (X, Y): [1:0-5-13,0-3-8], [2:0-3-8,0-3-11], [5:0-5-8,0-4-12]

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	0.46	Vert(LL)	-0.10	4-5	>648	360	M18AHS	186/179
Snow (Pf/Pg)	19.0/20.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.13	4-5	>517	360	MT20	244/190
TCDL	15.0	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.22	4	n/a	n/a		
BCLL	0.0	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	2	>999	240		
BCDL	10.0										Weight: 133 lb	FT = 12%

LUMBER
TOP CHORD 2x8 SP M 23
BOT CHORD 2x4 SP 1650F 1.6E *Except* B2:2x4 SP No.2
WEBS 2x4 SP No.2 *Except* W2,W1:2x6 SP 2400F 2.0E
LBR SCAB 8-10 SP 2400F 2.0E one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-8 oc purlins, except end verticals.
Except:
10-0-0 oc bracing: 1-10, 1-8
BOT CHORD Rigid ceiling directly applied or 4-0-12 oc bracing.
WEBS 1 Row at midpt 2-4, 1-8

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

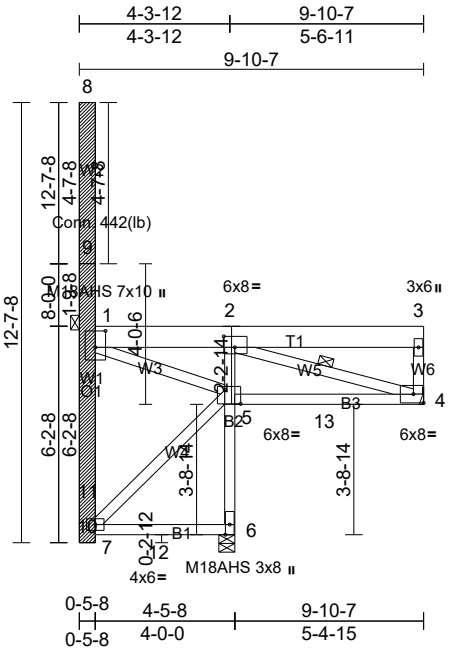
REACTIONS (lb/size) 4=-393/ Mechanical, (min. 0-1-8), 6=3251/0-5-8, (min. 0-5-5)
Max Horiz 6=-525 (LC 11)
Max Uplift 4=-754 (LC 19), 6=-918 (LC 9)
Max Grav 4=752 (LC 11), 6=3374 (LC 36)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3760/2781, 3-4=-249/275, 7-11=-1006/709, 1-11=-1006/709
BOT CHORD 7-12=-885/685, 6-12=-885/685, 5-6=-3333/1891, 2-5=-2460/1889, 5-13=-2793/3799, 4-13=-2796/3798
WEBS 2-4=-3870/2876, 5-7=-1021/1424, 1-5=-2612/3028

NOTES
1) Attached 12-7-8 scab 8 to 10, front face(s) 2x6 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 5-8-3 from end at joint 8, nail 2 row(s) at 7" o.c. for 2-0-0.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=19.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All additional member connections shall be provided by others for forces as indicated.
8) Plates checked for a plus or minus 5 degree rotation about its center.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 754 lb uplift at joint 4 and 918 lb uplift at joint 6.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 6-7=-20, 4-5=-20
Trapezoidal Loads (lb/ft)
Vert: 1=-483-to-2=-483, 2=-152-to-3=-105

Job	Truss	Truss Type	Qty	Ply	Discovery Animal Hospital
2504308-A	M69	Roof Special	1	1	Job Reference (optional)



Scale = 1:56.9

Plate Offsets (X, Y): [1:0-5-10,0-3-8], [2:0-3-13,0-3-13], [5:0-5-8,0-4-12]

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	0.46	Vert(LL)	-0.10	4-5	>649	360	M18AHS	186/179
Snow (Pf/Pg)	19.0/20.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.13	4-5	>517	360	MT20	244/190
TCDL	15.0	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.23	4	n/a	n/a		
BCLL	0.0	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	2	>999	240		
BCDL	10.0										Weight: 133 lb	FT = 12%

LUMBER
TOP CHORD 2x8 SP M 23
BOT CHORD 2x4 SP 1650F 1.6E *Except* B2:2x4 SP No.2
WEBS 2x4 SP No.2 *Except* W2,W1:2x6 SP 2400F 2.0E
LBR SCAB 8-10 SP 2400F 2.0E one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-11 oc purlins, except end verticals.
Except:
10-0-0 oc bracing: 1-10, 1-8
BOT CHORD Rigid ceiling directly applied or 4-0-12 oc bracing.
WEBS 1 Row at midpt 2-4, 1-8

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

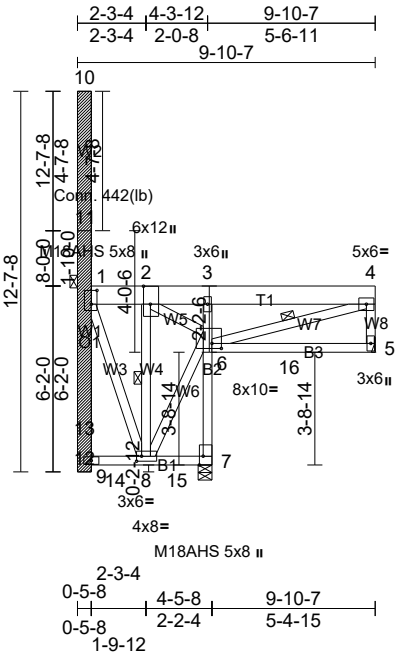
REACTIONS (lb/size) 4=-385/ Mechanical, (min. 0-1-8), 6=3212/0-5-8, (min. 0-5-4)
Max Horiz 6=-526 (LC 11)
Max Uplift 4=-749 (LC 19), 6=-918 (LC 9)
Max Grav 4=752 (LC 11), 6=3334 (LC 36)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3837/2817, 3-4=-258/280, 7-11=-1013/713, 1-11=-1013/713
BOT CHORD 7-12=-886/684, 6-12=-886/684, 5-6=-3293/1892, 2-5=-2436/1902, 5-13=-2826/3872, 4-13=-2829/3871
WEBS 2-4=-3930/2900, 5-7=-1027/1434, 1-5=-2636/3090

NOTES
1) Attached 12-7-8 scab 8 to 10, front face(s) 2x6 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 5-8-11 from end at joint 8, nail 2 row(s) at 7" o.c. for 2-0-0.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=19.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All additional member connections shall be provided by others for forces as indicated.
8) Plates checked for a plus or minus 5 degree rotation about its center.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 749 lb uplift at joint 4 and 918 lb uplift at joint 6.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 6-7=-20, 4-5=-20
Trapezoidal Loads (lb/ft)
Vert: 1=-476-to-2=-476, 2=-151-to-3=-105

Job	Truss	Truss Type	Qty	Ply	Discovery Animal Hospital
2504308-A	M70	Roof Special	1	1	Job Reference (optional)



Scale = 1:58.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.10	5-6	>630	360	M18AHS	186/179
Snow (Pf/Pg)	19.0/20.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.13	5-6	>507	360	MT20	244/190
TCDL	15.0	Rep Stress Incr	NO	WB	0.65	Horz(CT)	0.17	5	n/a	n/a		
BCLL	0.0	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	3	>999	240		
BCDL	10.0										Weight: 144 lb	FT = 12%

LUMBER
TOP CHORD 2x8 SP M 23
BOT CHORD 2x4 SP 1650F 1.6E *Except* B2:2x4 SP No.2
WEBS 2x4 SP No.2 *Except* W2,W1:2x6 SP 2400F 2.0E, W5:2x4 SP 1650F 1.6E
LBR SCAB 10-12 SP 2400F 2.0E one side

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-3 oc purlins, except end verticals.
Except:
10-0-0 oc bracing: 12-1, 1-10
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 1-10, 4-6, 2-8

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

REACTIONS (lb/size) 5=-546/ Mechanical, (min. 0-1-8), 7=3946/0-5-8, (min. 0-4-13)
Max Horiz 7=-526 (LC 11)
Max Uplift 5=-870 (LC 19), 7=-919 (LC 9)
Max Grav 5=753 (LC 11), 7=4068 (LC 37)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1064/729, 2-3=-3523/3068, 3-4=-3550/3059, 4-5=-1221/905, 9-13=-46/283, 1-13=-46/283
BOT CHORD 8-15=-876/678, 7-15=-876/678, 6-7=-4028/1944, 3-6=-1522/743
WEBS 4-6=-3184/3675, 6-8=-1605/2304, 2-6=-3339/3237, 2-8=-2473/1667, 1-8=-584/364

NOTES
1) Attached 12-7-8 scab 10 to 12, front face(s) 2x6 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 5-9-3 from end at joint 10, nail 2 row(s) at 4" o.c. for 2-0-0.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) 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
4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=19.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All additional member connections shall be provided by others for forces as indicated.
8) Plates checked for a plus or minus 5 degree rotation about its center.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 870 lb uplift at joint 5 and 919 lb uplift at joint 7.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 7-9=-20, 5-6=-20
Concentrated Loads (lb)
Vert: 3=-91
Trapezoidal Loads (lb/ft)
Vert: 1=-552-to-2=-595, 2=-595-to-3=-637, 3=-151-to-4=-105