BRADLEY HEIGHTS SS LLC

BRADLEY HEIGHTS CLUBHOUSE

202 27th Avenue SE
Puyallup, WA

FULL SIZED LEDGIBLE COLOR REPORT IS REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS

City of Puyallup
Building
ACCEPTED
JMontgomery
05/16/2024
11:12:09 AM

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

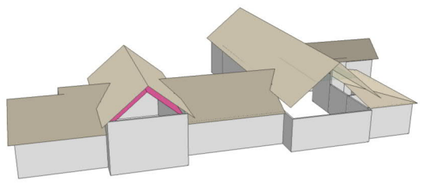
SUBMITTAL #2

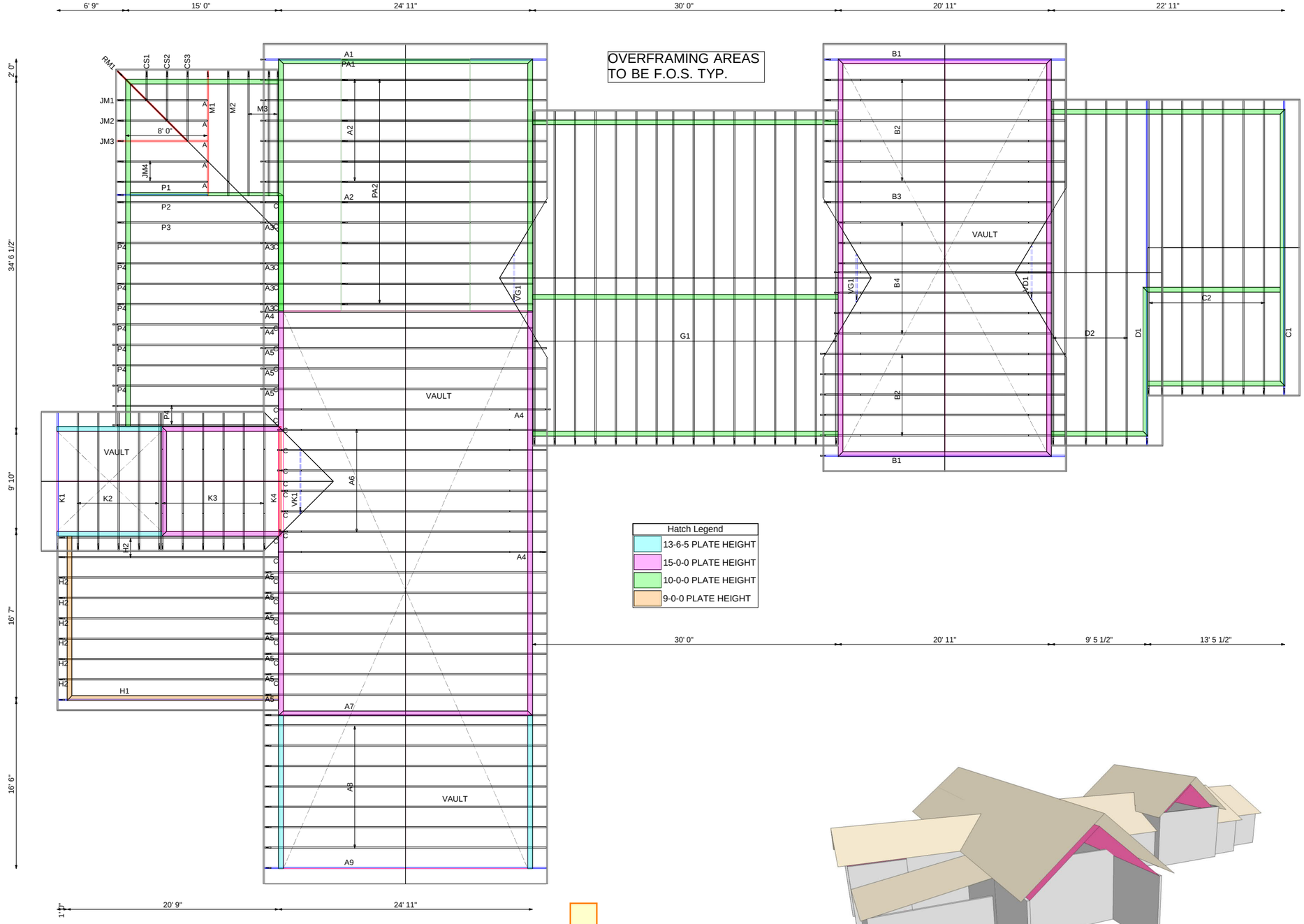
Date: Sept. 17, 2024

PRCNC20240278

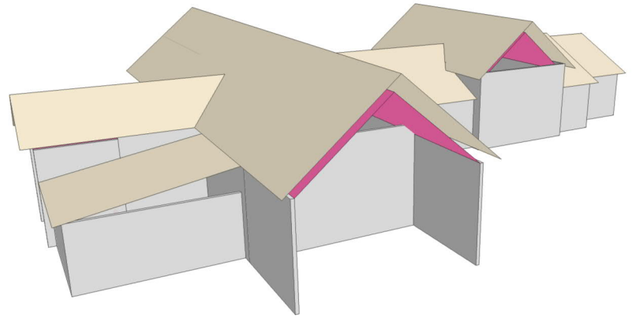
Alliance Job # N0652

Representative: Craig Westerberg





Hatch Legend
13-6-5 PLATE HEIGHT
15-0-0 PLATE HEIGHT
10-0-0 PLATE HEIGHT
9-0-0 PLATE HEIGHT



ALLIANCE TRUSS

alliancetruss.com | 1.604.574.3525

WOOD TRUSSES | WALL PANELS

Job Number:
Quote Number: N0652A
Customer: Timberlane
Job Name: Clubhouse
Address: 202 27th Ave SE
City: Puyallup, WA

Salesman: CW
Drawn By: AL
Date: May 26/23
Rev 1: Aug. 30, 2024
Rev 2: -
Rev 3: -
Architectural Plan Date: 7-31-24
Structural Plan Date: NA

Design Loads

TC LL: 25 psf
TC DL: 12 psf
BC LL: 0 psf
BC DL: 10 psf

General
Spacing: 24"oc U.N.O
O/H Length: Varies
O/A Heel: Varies
Slope: Varies
Roof Material: Duroid
Roof Area: 7538 sq ft
Scale: NTS

HANGER SCHEDULE

TYPE	SYMBOL	QTY	TYPE	SYMBOL	QTY
JL24	A	5	-	H	0
JL26	B	0	-	K	0
HUS26	C	27	-	M	0
THDH26	D	0	-	P	0
THDH28	E	0	-	Q	0
THDH210	G	0	-	S	0

IMPORTANT:
SEE HANGER INSTALLATION DOCUMENT FOR SHEAR NAIL AND GENERAL NAILING INFORMATION.

TIEDOWNS & STRAPS

TYPE	QTY	DESCRIPTION
RT15	24	ROOF TRUSSES
RT16A	2	GIRDER TRUSSES
RT16-2	2	2-PLY GIRDERS

IMPORTANT
1. REFER TO ENGINEERED TRUSS DRAWINGS FOR WEB BRACING AND BEARING SCAB REQUIREMENTS.
2. FOR ERECTION AND BRACING RECOMMENDATIONS, THE WTCA *'HANDLING, INSTALLATION, AND BRACING OF WOOD TRUSSES'* IS PROVIDED AT TIME OF DELIVERY.

MiTek Canada, Inc.
240 Stirling Crescent
Bradford, ON. Canada L3Z 4L5
Phone (905) 952-2900
Toll Free (800) 268-3434

Re: N0652A
Clubhouse

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Alliance Truss (CA).

Pages or sheets covered by this seal: U1531705 thru U1531748

My license renewal date for the state of Washington is February 17, 2026.

September 17,2024

Garcia, Juan

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	A1	GABLE	1	1	U1531705
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:02 2024 Page 1
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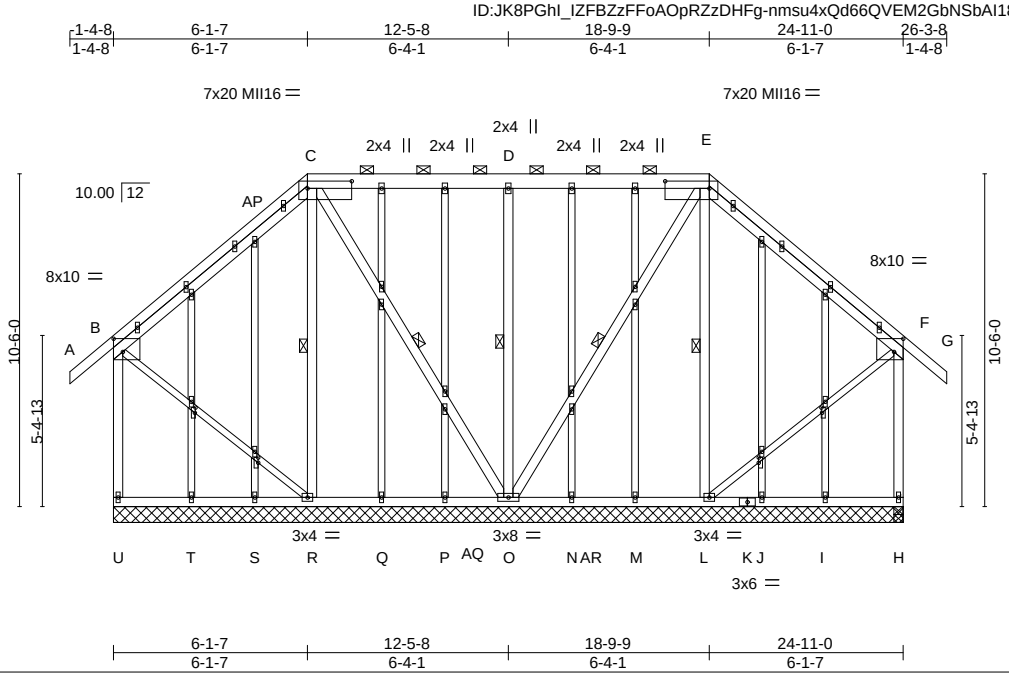

Plate Offsets (X,Y)-- [B:0-3-8,0-5-0], [C:1-4-12,0-2-12], [E:0-0-0,0-0-0], [E:1-4-12,0-2-12], [F:0-3-8,0-5-0], [F:0-0-0,0-0-0], [AB:0-2-0,0-0-0], [AD:0-2-0,0-0-4], [AF:0-0-1,0-0-0], [AH:0-0-1,0-0-0], [AI:0-0-1,0-0-0], [AK:0-0-1,0-0-0], [AL:0-0-0,0-0-0], [AM:0-2-0,0-0-0], [AM:0-0-0,0-0-0], [AN:0-0-0,0-0-0], [AO:0-2-0,0-0-4], [AO:0-0-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.00	T-U	>999	240	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.00	T-U	>999	180	MII16	127/82
TCDL	12.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	-0.01	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 229 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except* C-E: 2x6 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2 *Except* B-R,F-L: 2x3 SPF No.2
OTHERS	2x3 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 (10-0-0 max.): C-E.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt C-R, C-O, D-O, E-O, E-L

REACTIONS. All bearings 24-11-0.
(lb) - Max Horz U=-255(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) U, R, L, H except O=-176(LC 5)
Max Grav All reactions 250 lb or less at joint(s) P, Q, S, T, N, M, J, I except U=366(LC 1), R=356(LC 16), O=849(LC 1), L=328(LC 17), H=366(LC 1), H=366(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-U=-336/83, F-H=-336/76
WEBS C-R=-273/36, D-O=-514/162, E-L=-273/39

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Wleft=13-10-0, Wright=13-10-0
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) U, R, L, H except (jt=lb) O=176.
10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

September 17,2024

Continued on page 2

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	A1	GABLE	1	1	U1531705 Job Reference (optional)

NOTES-

12) No notches allowed in overhang and 10408 from left end and 10408 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.
13) The loading on this truss has been modified to reflect the roof profile, the ridgeline is located 6-4-1 from joint 1 and has a slope of 10.000 on the left and -10.000 on the right.

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	A2	PIGGYBACK BASE	7	1	U1531706
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:03 2024 Page 1
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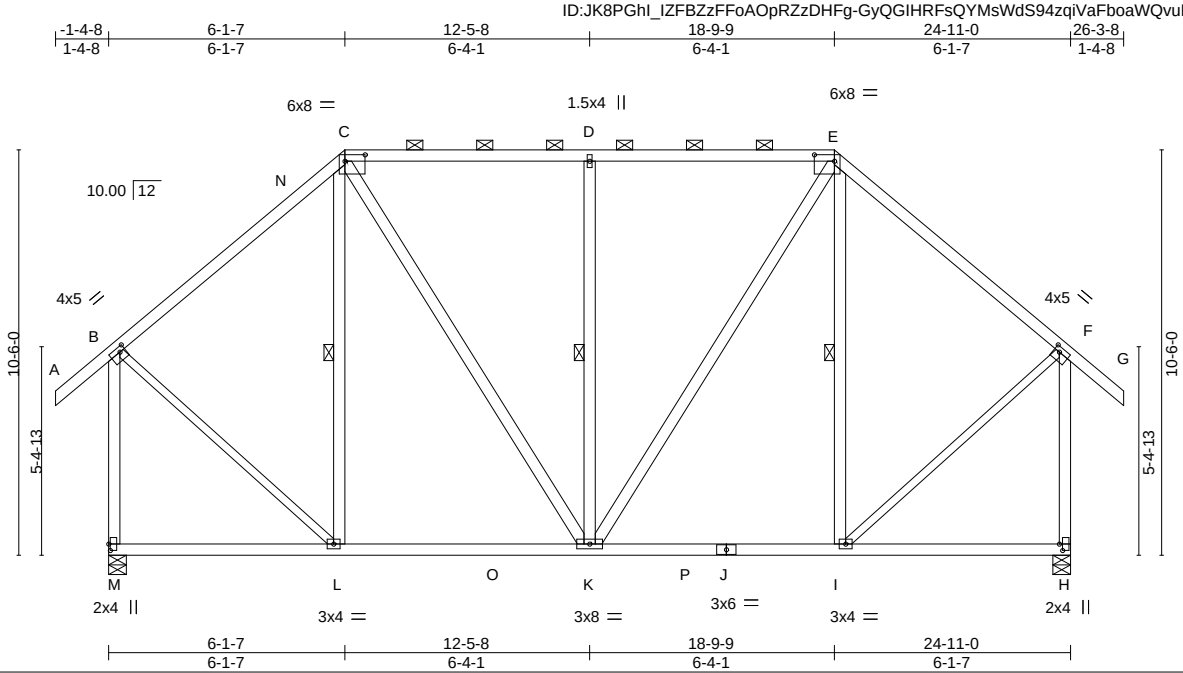

Plate Offsets (X,Y)-- [B:0-1-12,0-1-8], [C:0-6-4,0-2-0], [E:0-6-4,0-2-0], [F:0-1-12,0-1-8], [H:0-2-0,0-1-0], [M:0-2-0,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.06	I-K	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.10	I-K	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.01	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	K	>999	240	Weight: 150 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
B-L,F-I: 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-14 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): C-E.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt C-L, D-K, E-I

REACTIONS. (size) M=0-5-8, H=0-5-8
Max Horz M=-268(LC 6)
Max Uplift M=-71(LC 8), H=-71(LC 9)
Max Grav M=1341(LC 2), H=1341(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-872/92, C-D=-795/103, D-E=-795/103, E-F=-872/92, B-M=-1258/91, F-H=-1258/91
BOT CHORD K-L=-164/630, I-K=-86/577
WEBS C-L=-311/121, C-K=-132/411, D-K=-521/163, E-K=-132/412, E-I=-311/122, B-L=-80/740, F-I=-80/740

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Wleft=13-10-0, Wright=13-10-0
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) M, H.
6) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) The loading on this truss has been modified to reflect the roof profile, the ridgeline is located 6-4-1 from joint 1 and has a slope of 10.000 on the left and -10.000 on the right.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	A3	PIGGYBACK BASE	5	1	U1531707
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:03 2024 Page 1
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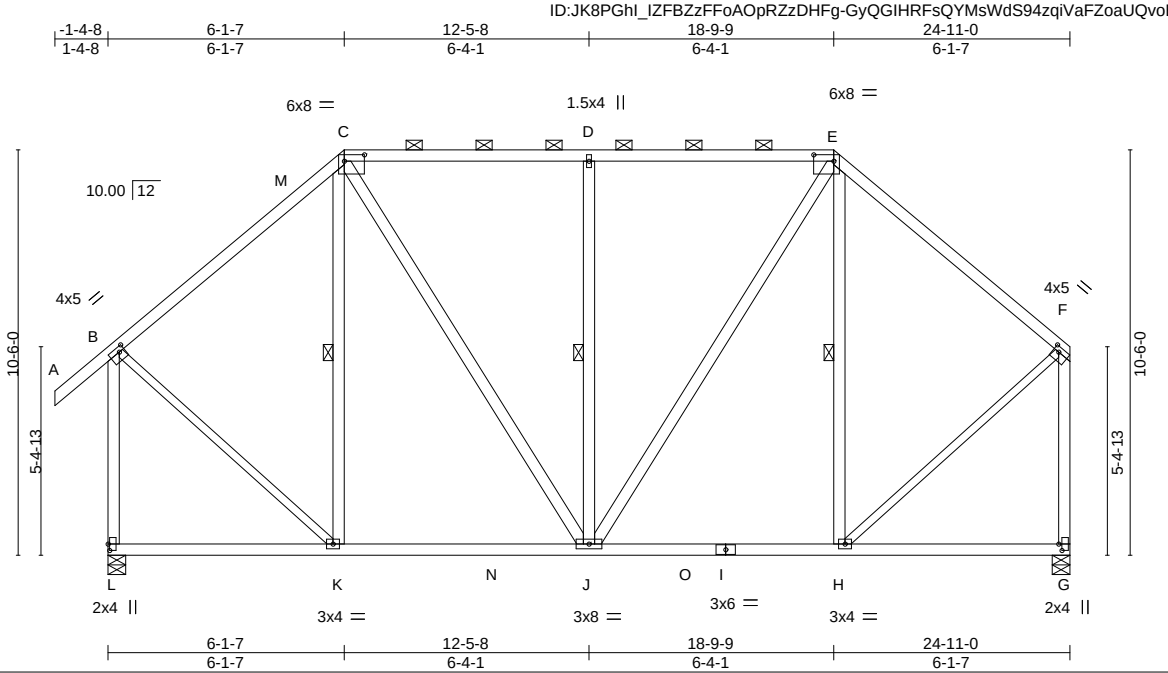

Plate Offsets (X,Y)-- [B:0-1-12,0-1-8], [C:0-6-4,0-2-0], [E:0-6-4,0-2-0], [F:0-1-12,0-1-8], [G:0-2-0,0-1-0], [L:0-2-0,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.06	J-K	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.10	J-K	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.01	G	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	J	>999	240		
BCDL	10.0										Weight: 147 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
B-K,F-H: 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-11 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): C-E.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt C-K, D-J, E-H

REACTIONS. (size) L=0-5-8, G=0-5-8
Max Horz L=260(LC 5)
Max Uplift L=-68(LC 8), G=-49(LC 9)
Max Grav L=1344(LC 2), G=1245(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-875/90, C-D=-798/100, D-E=-798/100, E-F=-872/83, B-L=-1261/88, F-G=-1162/70
BOT CHORD J-K=-173/621, H-J=-92/584
WEBS C-K=-313/120, C-J=-129/414, D-J=-518/163, E-J=-135/406, E-H=-317/125, B-K=-78/742, F-H=-85/747

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Wleft=13-10-0, Wright=12-5-8
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) L, G.
6) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) The loading on this truss has been modified to reflect the roof profile, the ridgeline is located 6-4-1 from joint 1 and has a slope of 10.000 on the left and -10.000 on the right.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	A4	Roof Special	4	1	U1531708
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:04 2024 Page 1
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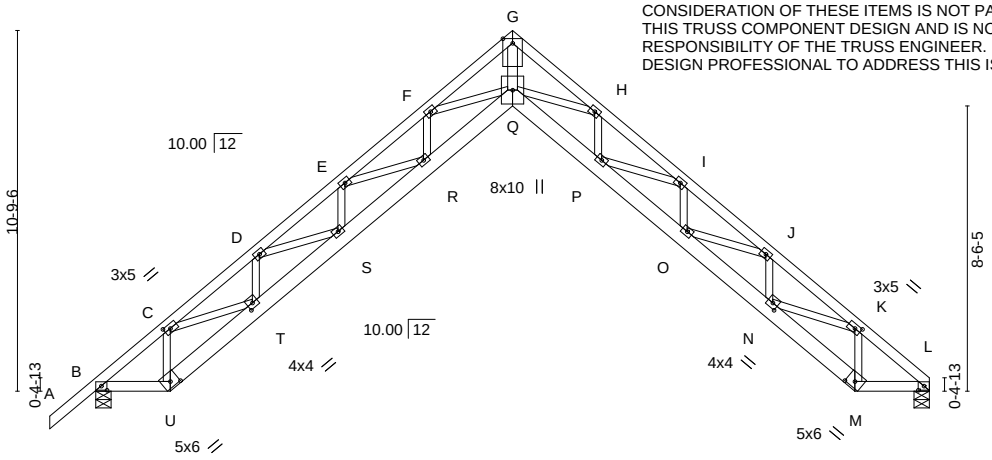
1-4-8	2-2-12	4-9-7	7-4-2	9-10-13	12-5-8	15-0-3	17-6-14	20-1-10	22-8-5	24-11-0
1-4-8	2-2-12	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-2-12

Scale = 1:68.9

7x10 MT18HS

DUE TO THE LATERAL MOVEMENT DEVELOPED BY SCISSOR TYPE TRUSSES, CAREFUL CONSIDERATION SHOULD BE GIVEN TO THE SUPPORTING STRUCTURE(S). CONSIDERATION OF THESE ITEMS IS NOT PART OF THIS TRUSS COMPONENT DESIGN AND IS NOT THE RESPONSIBILITY OF THE TRUSS ENGINEER. REGISTERED DESIGN PROFESSIONAL TO ADDRESS THIS ISSUE.



2-2-12	4-9-7	7-4-2	9-10-13	12-5-8	15-0-3	17-6-14	20-1-10	22-8-5	24-11-0
2-2-12	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-2-12

Plate Offsets (X,Y)-- [B:0-2-1,0-1-8], [C:0-2-4,0-1-8], [K:0-2-4,0-1-8], [L:0-2-1,0-1-8], [M:0-3-0,0-2-1], [N:0-2-0,0-1-12], [T:0-2-0,0-1-12], [U:0-3-0,0-2-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.46	Q	>644	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.87	Q	>342	240	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	1.23	L	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.20	Q	>999	240	Weight: 121 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF No.2 *Except*
Q-U,M-Q: 2x6 SPF No.2
WEBS 2x3 SPF No.2 *Except*
G-Q: 2x4 SPF 2100F 1.8E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: Q-R
1-4-12 oc bracing: P-Q.

REACTIONS. (size) L=0-5-8, B=0-5-8
Max Horz B=215(LC 5)
Max Uplift L=-78(LC 9), B=-103(LC 8)
Max Grav L=1168(LC 1), B=1276(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1638/100, C-D=-3275/327, D-E=-4393/401, E-F=-5048/315, F-G=-5084/85, G-H=-5084/100, H-I=-5058/164, I-J=-4413/192, J-K=-3317/165, K-L=-1675/117
BOT CHORD B-U=-178/1214, T-U=-229/1545, S-T=-393/3232, R-S=-378/4351, Q-R=-214/4935, P-Q=-8/4945, O-P=-80/4372, N-O=-103/3260, M-N=-80/1590, L-M=-59/1250
WEBS G-Q=-73/6237, H-Q=-213/382, I-P=-51/556, I-O=-538/12, J-O=0/864, J-N=-780/43, K-N=-24/1321, K-M=-983/65, E-R=0/504, E-S=-543/17, D-S=0/869, D-T=-788/108, C-T=-129/1337, C-U=-971/169

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x4 MT20 unless otherwise indicated.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) L except (jt=lb) B=103.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

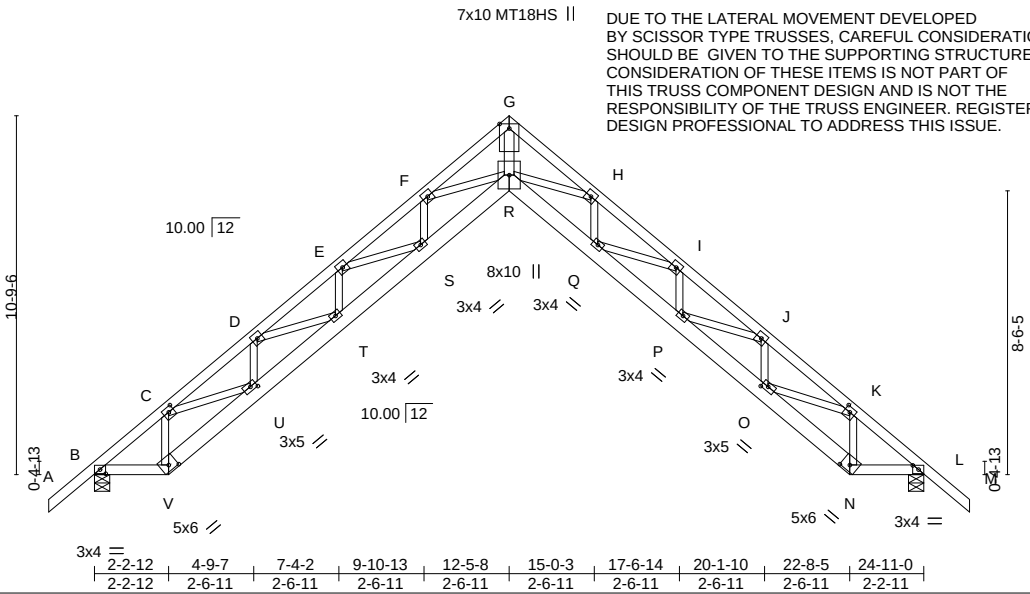
PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	A5	ROOF SPECIAL	10	1	U1531709
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:05 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-CLY1izTVO1o45pmrGV?lowfgscGiujaX1hNTPNyd3da

1-4-8	2-2-12	4-9-7	7-4-2	9-10-13	12-5-8	15-0-3	17-6-14	20-1-10	22-8-5	24-11-0	26-3-8
1-4-8	2-2-12	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-2-11	1-4-8

Scale = 1:69.2



2-2-12	4-9-7	7-4-2	9-10-13	12-5-8	15-0-3	17-6-14	20-1-10	22-8-5	24-11-0
2-2-12	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-2-11

Plate Offsets (X,Y)-- [B:0-2-1,0-1-8], [C:0-2-0,0-1-12], [D:0-0-0,0-0-0], [E:0-0-0,0-0-0], [F:0-0-0,0-0-0], [K:0-2-0,0-1-12], [L:0-2-1,0-1-8], [N:0-3-0,0-2-1], [O:0-2-4,0-1-8], [U:0-2-4,0-1-8], [V:0-3-0,0-2-1]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.43	R	>695	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.81	R	>369	240	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.65	Horz(CT)	1.13	L	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.18	R	>999	240	Weight: 123 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF No.2 *Except*
R-V,N-R: 2x6 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
G-R: 2x4 SPF 2100F 1.8E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) B=0-5-8, L=0-5-8
Max Horz B=-223(LC 6)
Max Uplift B=-103(LC 8), L=-103(LC 9)
Max Grav B=1273(LC 1), L=1273(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1634/99, C-D=-3264/300, D-E=-4364/350, E-F=-5016/241, F-G=-5028/0, G-H=-5029/10, H-I=-5019/90, I-J=-4367/139, J-K=-3266/134, K-L=-1634/97
BOT CHORD B-V=-162/1224, U-V=-209/1553, T-U=-347/3228, S-T=-309/4335, R-S=-124/4901, Q-R=0/4904, P-Q=-8/4326, O-P=-53/3211, N-O=-43/1534, L-N=-30/1210
WEBS G-R=0/6170, H-R=-223/401, I-Q=-41/584, I-P=-540/0, J-P=0/865, J-O=-786/32, K-O=-7/1323, K-N=-962/47, F-R=-27/259, E-S=0/529, E-T=-540/4, D-T=0/864, D-U=-786/96, C-U=-108/1323, C-V=-970/156

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 4x4 MT20 unless otherwise indicated.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=103, L=103.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

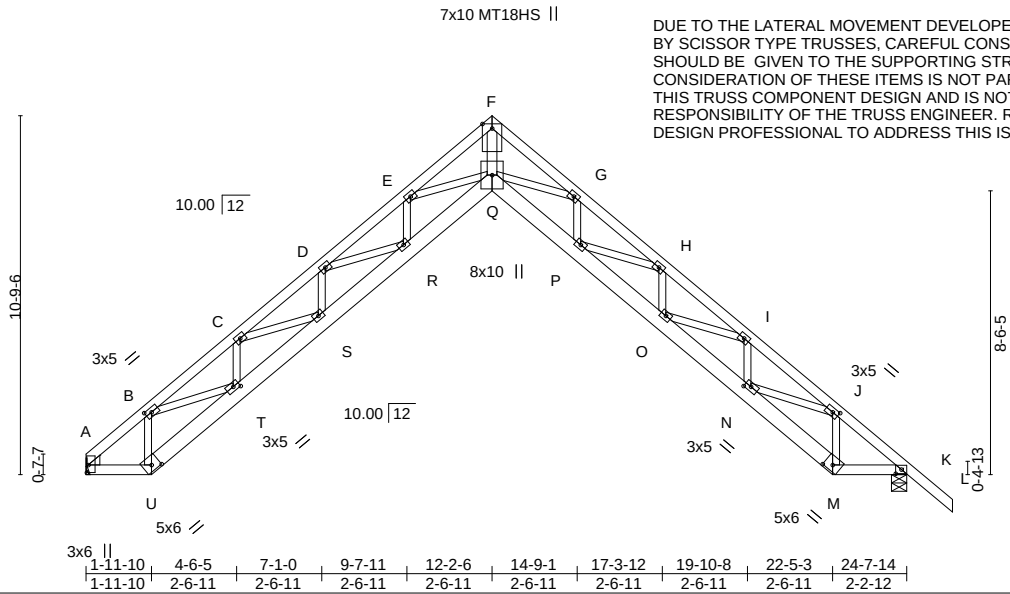
Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	A6	Roof Special	6	1	U1531710
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:05 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-CLY1izTVO1o45pmrGV?lowfgzcGouklX1hNTPNyd3da

1-11-10	4-6-5	7-1-0	9-7-11	12-2-6	14-9-1	17-3-12	19-10-8	22-5-3	24-7-14	26-0-6
1-11-10	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-2-12	1-4-8

Scale = 1:69.2

DUE TO THE LATERAL MOVEMENT DEVELOPED BY SCISSOR TYPE TRUSSES, CAREFUL CONSIDERATION SHOULD BE GIVEN TO THE SUPPORTING STRUCTURE(S). CONSIDERATION OF THESE ITEMS IS NOT PART OF THIS TRUSS COMPONENT DESIGN AND IS NOT THE RESPONSIBILITY OF THE TRUSS ENGINEER. REGISTERED DESIGN PROFESSIONAL TO ADDRESS THIS ISSUE.



1-11-10	4-6-5	7-1-0	9-7-11	12-2-6	14-9-1	17-3-12	19-10-8	22-5-3	24-7-14
1-11-10	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-6-11	2-2-12

Plate Offsets (X,Y)-- [A:0-2-12,0-0-8], [B:0-2-4,0-1-8], [J:0-2-4,0-1-8], [K:0-2-1,0-1-8], [M:0-3-0,0-2-1], [N:0-2-4,0-1-8], [T:0-2-4,0-1-8], [U:0-3-0,0-2-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.42	Q	>711	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.78	Q	>378	240	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	1.10	K	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.17	Q	>999	240	Weight: 121 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF No.2 *Except*
Q-U,M-Q: 2x6 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
F-Q: 2x4 SPF 2100F 1.8E
WEDGE
Left: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) K=0-5-8, A=Mechanical
Max Horz A=-215(LC 4)
Max Uplift K=-103(LC 9), A=-75(LC 8)
Max Grav K=1264(LC 1), A=1156(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-1490/108, B-C=-3118/305, C-D=-4259/356, D-E=-4915/246, E-F=-4947/0, F-G=-4947/14, G-H=-4950/93, H-I=-4315/142, I-J=-3232/136, J-K=-1620/97
BOT CHORD A-U=-169/1109, T-U=-217/1408, S-T=-353/3115, R-S=-314/4230, Q-R=-129/4815, P-Q=0/4836, O-P=-10/4274, N-O=-55/3177, M-N=-44/1521, K-M=-31/1199
WEBS F-Q=0/6066, G-Q=-229/401, H-P=-43/573, H-O=-531/1, I-O=0/851, I-N=-777/33, J-N=-7/1308, J-M=-953/47, E-Q=-24/260, D-R=0/541, D-S=-548/3, C-S=0/870, C-T=-802/96, B-T=-105/1353, B-U=-921/155

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x4 MT20 unless otherwise indicated.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A except (jt=lb) K=103.
10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	A7	Roof Special	1	1	U1531711
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:06 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-gX6PwJU79LwxjzL1qDWXK8Crc0bydAqhGL60xqyd3dZ

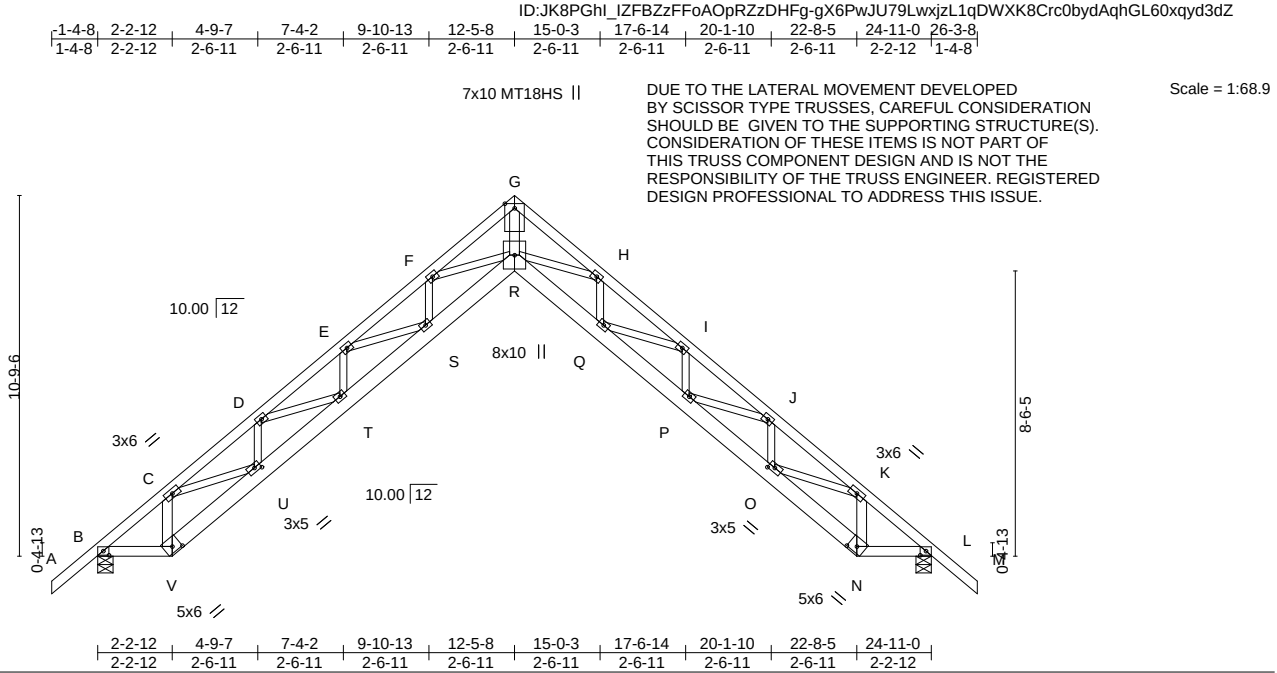


Plate Offsets (X,Y)-- [B:0-2-1,0-1-8], [L:0-2-1,0-1-8], [N:0-3-0,0-2-1], [O:0-2-4,0-1-8], [U:0-2-4,0-1-8], [V:0-3-0,0-2-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.43	R	>696	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.81	R	>369	240	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.65	Horz(CT)	1.12	L	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.18	R	>999	240	Weight: 124 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF No.2 *Except*
R-V,N-R: 2x6 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
G-R: 2x4 SPF 2100F 1.8E, K-N,C-V: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) B=0-5-8, L=0-5-8
Max Horz B=223(LC 7)
Max Uplift B=-103(LC 8), L=-103(LC 9)
Max Grav B=1273(LC 1), L=1273(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1634/99, C-D=-3267/300, D-E=-4364/350, E-F=-5016/241, F-G=-5027/0, G-H=-5027/10, H-I=-5016/90, I-J=-4365/139, J-K=-3267/134, K-L=-1634/98
BOT CHORD B-V=-163/1227, U-V=-206/1527, T-U=-348/3229, S-T=-309/4335, R-S=-125/4901, Q-R=0/4901, P-Q=-8/4323, O-P=-54/3210, N-O=-43/1509, L-N=-31/1212
WEBS G-R=0/6169, H-R=-222/401, I-Q=-41/584, I-P=-541/0, J-P=0/864, J-O=-785/33, K-O=-8/1345, K-N=-950/46, F-R=-28/259, E-S=0/529, E-T=-541/4, D-T=0/864, D-U=-785/97, C-U=-111/1346, C-V=-958/155

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x4 MT20 unless otherwise indicated.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=103, L=103.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	A8	Roof Special	7	1	U1531712
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:07 2024 Page 1
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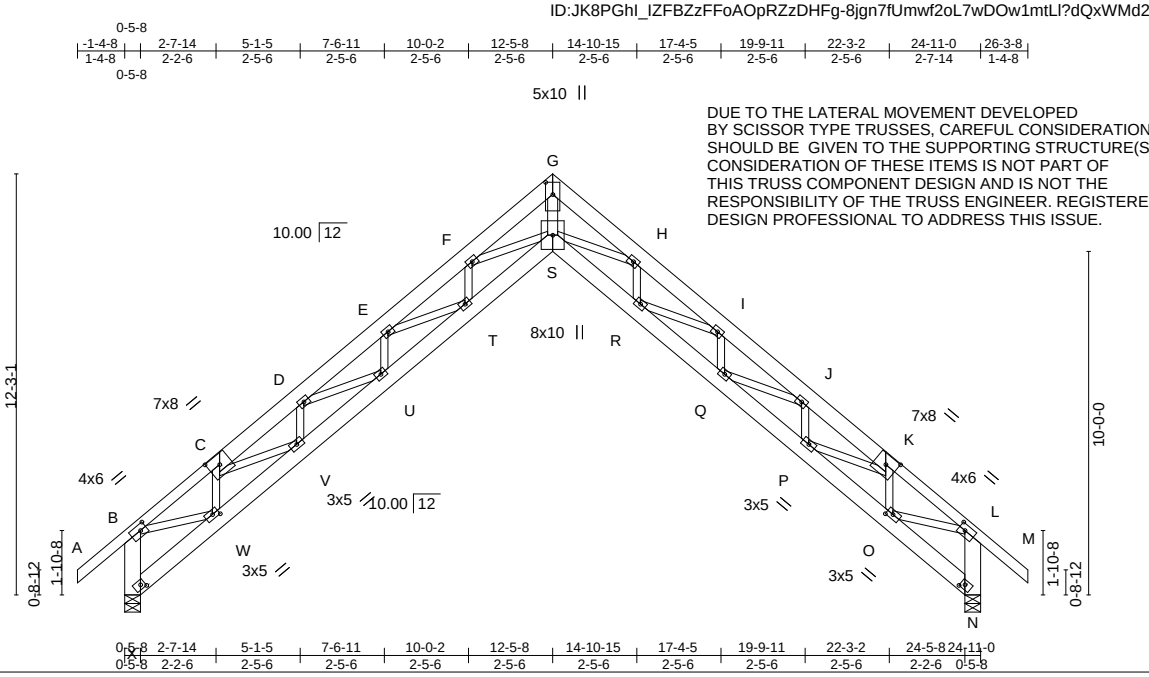

Scale = 1:67.1

DUE TO THE LATERAL MOVEMENT DEVELOPED BY SCISSOR TYPE TRUSSES, CAREFUL CONSIDERATION SHOULD BE GIVEN TO THE SUPPORTING STRUCTURE(S). CONSIDERATION OF THESE ITEMS IS NOT PART OF THIS TRUSS COMPONENT DESIGN AND IS NOT THE RESPONSIBILITY OF THE TRUSS ENGINEER. REGISTERED DESIGN PROFESSIONAL TO ADDRESS THIS ISSUE.

Plate Offsets (X,Y)-- [B:0-2-4,0-2-0], [C:0-4-0,0-3-4], [G:0-4-4,0-2-8], [K:0-4-0,0-3-4], [L:0-2-4,0-2-0], [N:0-1-8,0-1-8], [O:0-2-4,0-1-8], [W:0-2-4,0-1-8], [X:0-1-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.35	S	>845	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.66	S	>448	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.65	Horz(CT)	1.19	N	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.13	S	>999	240	Weight: 153 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF 2100F 1.8E *Except*
A-C,K-M: 2x4 SPF No.2
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
G-S: 2x4 SPF 2100F 1.8E, B-X,L-N: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: W-X,N-O.

REACTIONS. (size) X=0-5-8, N=0-5-8
Max Horz X=-271(LC 6)
Max Uplift X=-98(LC 8), N=-98(LC 9)
Max Grav X=1268(LC 1), N=1268(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1832/230, C-D=-3359/359, D-E=-4490/342, E-F=-5102/172, F-G=-5139/19, G-H=-5164/41, H-I=-5044/0, I-J=-4436/70, J-K=-3314/98, K-L=-1805/81, B-X=-1216/189, L-N=-1210/105
BOT CHORD W-X=-345/342, V-W=-353/2055, U-V=-364/3564, T-U=-321/4633, S-T=-231/5112, R-S=0/4905, Q-R=0/4405, P-Q=0/3324, O-P=-20/1809
WEBS G-S=-35/6293, H-S=-251/402, I-R=-86/551, I-Q=-546/31, J-Q=-11/853, J-P=-814/12, K-P=0/1176, K-O=-998/36, L-O=-8/1319, F-S=-21/294, E-T=0/448, E-U=-531/4, D-U=0/830, D-V=-814/56, C-V=-41/1176, C-W=-998/126, B-W=-120/1319

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
4) All plates are 3x4 MT20 unless otherwise indicated.
5) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) X, N considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) X, N.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	A9	Roof Special	1	1	U1531713
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:07 2024 Page 1
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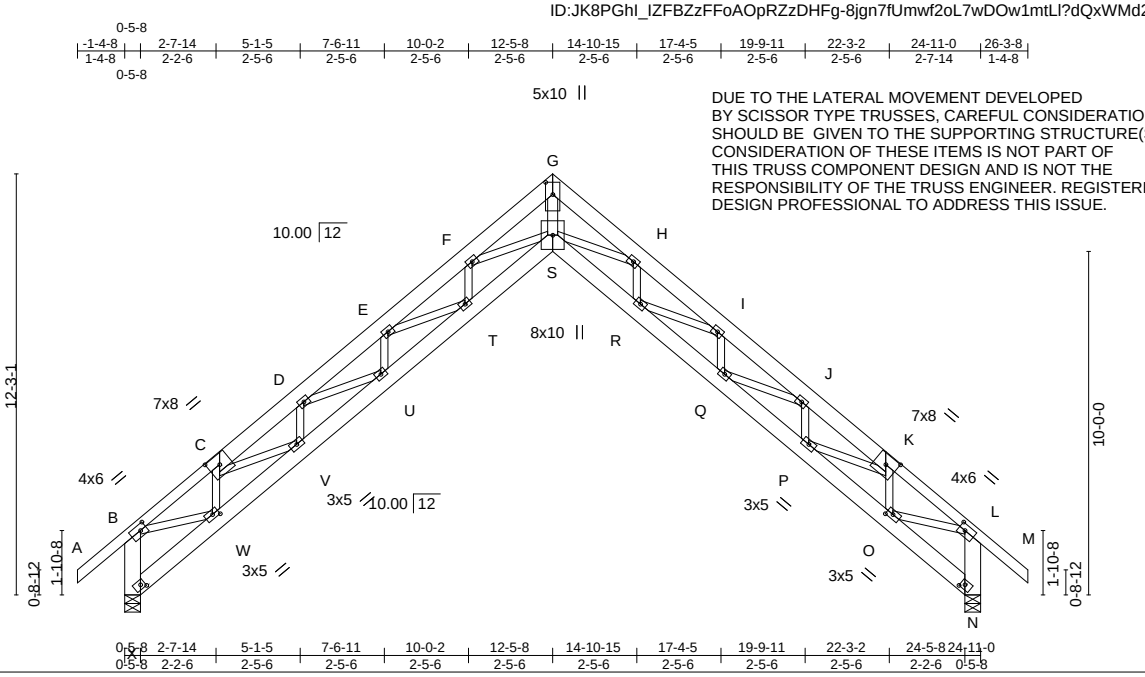


Scale = 1:67.1

DUE TO THE LATERAL MOVEMENT DEVELOPED BY SCISSOR TYPE TRUSSES, CAREFUL CONSIDERATION SHOULD BE GIVEN TO THE SUPPORTING STRUCTURE(S). CONSIDERATION OF THESE ITEMS IS NOT PART OF THIS TRUSS COMPONENT DESIGN AND IS NOT THE RESPONSIBILITY OF THE TRUSS ENGINEER. REGISTERED DESIGN PROFESSIONAL TO ADDRESS THIS ISSUE.

Plate Offsets (X,Y)-- [B:0-2-4,0-2-0], [C:0-4-0,0-3-4], [G:0-4-4,0-2-8], [K:0-4-0,0-3-4], [L:0-2-4,0-2-0], [N:0-1-8,0-1-8], [O:0-2-4,0-1-8], [W:0-2-4,0-1-8], [X:0-1-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.35	S	>845	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.66	S	>448	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.65	Horz(CT)	1.19	N	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.13	S	>999	240	Weight: 153 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF 2100F 1.8E *Except*
A-C,K-M: 2x4 SPF No.2
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
G-S: 2x4 SPF 2100F 1.8E, B-X,L-N: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: W-X,N-O.

REACTIONS. (size) X=0-5-8, N=0-5-8
Max Horz X=-271(LC 6)
Max Uplift X=-98(LC 8), N=-98(LC 9)
Max Grav X=1268(LC 1), N=1268(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1832/230, C-D=-3359/359, D-E=-4490/342, E-F=-5102/172, F-G=-5139/19, G-H=-5164/41, H-I=-5044/0, I-J=-4436/70, J-K=-3314/98, K-L=-1805/81, B-X=-1216/189, L-N=-1210/105
BOT CHORD W-X=-345/342, V-W=-353/2055, U-V=-364/3564, T-U=-321/4633, S-T=-231/5112, R-S=0/4905, Q-R=0/4405, P-Q=0/3324, O-P=-20/1809
WEBS G-S=-35/6293, H-S=-251/402, I-R=-86/551, I-Q=-546/31, J-Q=-11/853, J-P=-814/12, K-P=0/1176, K-O=-998/36, L-O=-8/1319, F-S=-21/294, E-T=0/448, E-U=-531/4, D-U=0/830, D-V=-814/56, C-V=-41/1176, C-W=-998/126, B-W=-120/1319

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
4) All plates are 3x4 MT20 unless otherwise indicated.
5) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) X, N considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) X, N.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

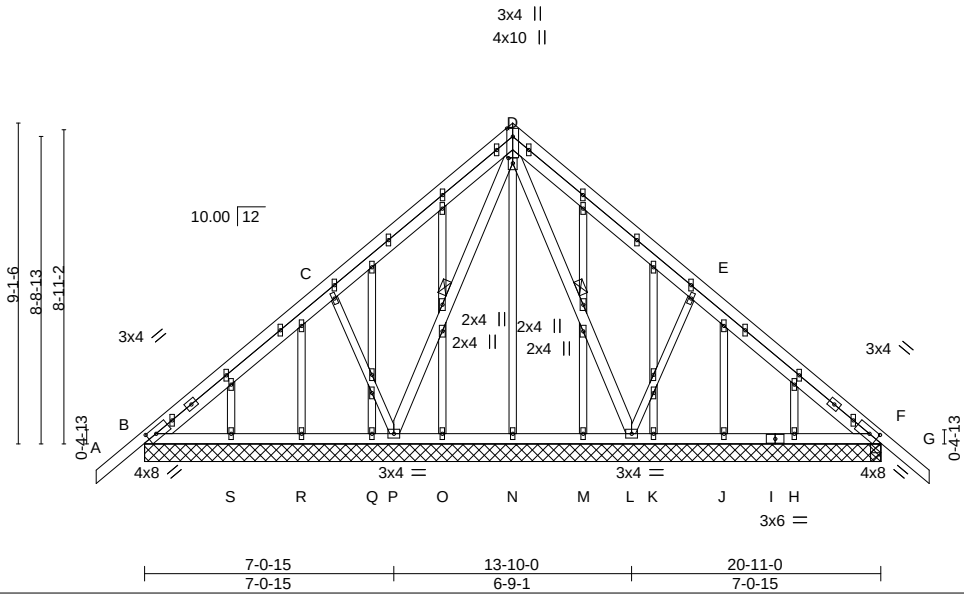
PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	B1	GABLE	2	1	U1531714
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:08 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-cwE9L?VOhyAfyHVQyeZ0PZHAkpLz5Cizjeb70iyd3dX

-1-4-8	5-4-11	10-5-8	15-6-5	20-11-0	22-3-8
1-4-8	5-4-11	5-0-13	5-0-13	5-4-11	1-4-8

Scale = 1:65.5



7-0-15	13-10-0	20-11-0
7-0-15	6-9-1	7-0-15

Plate Offsets (X,Y)-- [B:0-3-0,0-2-0], [D:0-1-12,0-1-8], [D:0-2-12,0-2-0], [F:0-3-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	0.00	F-H	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.00	B-S	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	F	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S		Wind(LL)	0.00	B-S	>999	240		
BCDL	10.0										Weight: 148 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
E-L,C-P: 2x3 SPF No.2
OTHERS 2x3 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 D-L, D-P

REACTIONS. All bearings 20-11-0.
(lb) - Max Horz B=-183(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) B, F except L=-144(LC 9), P=-170(LC 8)
Max Grav All reactions 250 lb or less at joint(s) N, O, Q, R, S, M, K, J, H except B=355(LC 1), L=509(LC 1), P=519(LC 1), F=368(LC 1), F=368(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-251/71
WEBS E-L=-345/194, C-P=-351/194

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, F except (jt=lb) L=144, P=170.
10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) No notches allowed in overhang and 10408 from left end and 10408 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	B2	Roof Special	11	1	U1531715
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:09 2024 Page 1
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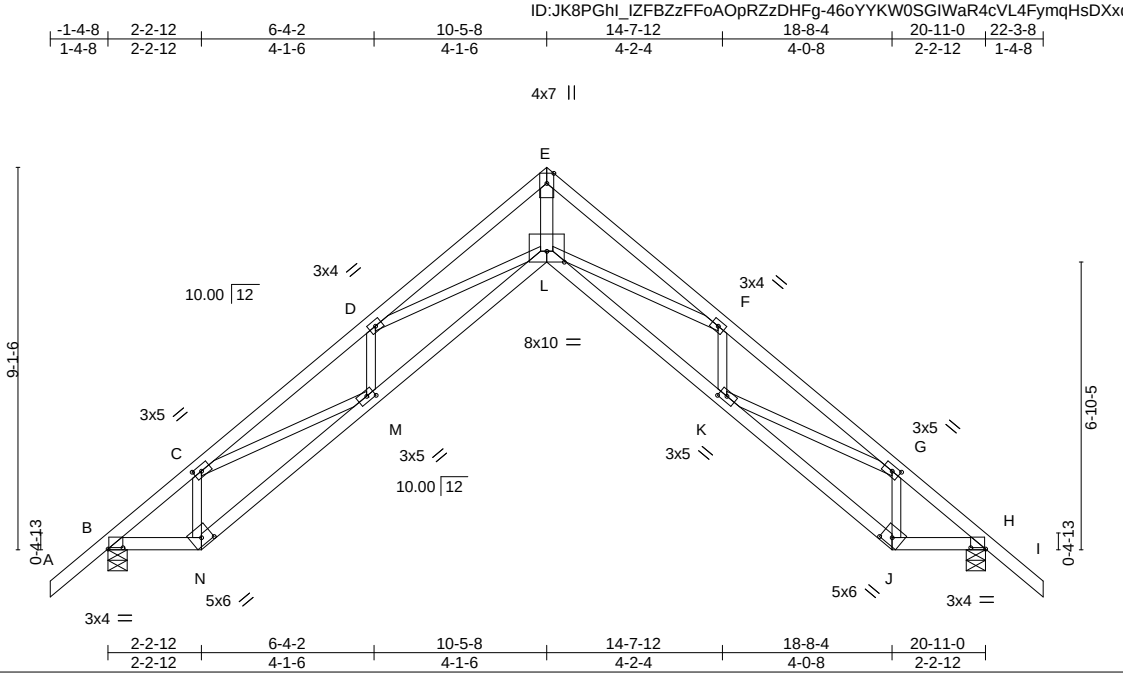

Plate Offsets (X,Y)-- [B:0-4-4,0-0-6], [C:0-2-4,0-1-8], [G:0-2-4,0-1-8], [H:0-4-4,0-0-6], [J:0-3-0,0-2-1], [K:0-2-4,0-1-8], [L:0-5-0,0-3-2], [M:0-2-4,0-1-8], [N:0-3-0,0-2-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	-0.31	L	>822	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.58	L	>435	240		
TCDL	12.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.78	H	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.12	L	>999	240	Weight: 87 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
E-L: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) B=0-5-8, H=0-5-8
Max Horz B=-191(LC 6)
Max Uplift B=-90(LC 8), H=-90(LC 9)
Max Grav B=1085(LC 1), H=1085(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1372/85, C-D=-3091/231, D-E=-3527/2, E-F=-3527/26, F-G=-3091/100, G-H=-1372/83
BOT CHORD B-N=-137/1042, M-N=-179/1322, L-M=-230/3011, K-L=-9/2992, J-K=-40/1306, H-J=-26/1029
WEBS E-L=0/4089, F-L=-149/598, F-K=-470/35, G-K=0/1409, G-J=-793/52, D-L=0/461, D-M=-471/63, C-M=-39/1411, C-N=-800/145

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, H.
7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	B3	Roof Special	1	1	U1531716
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:10 2024 Page 1
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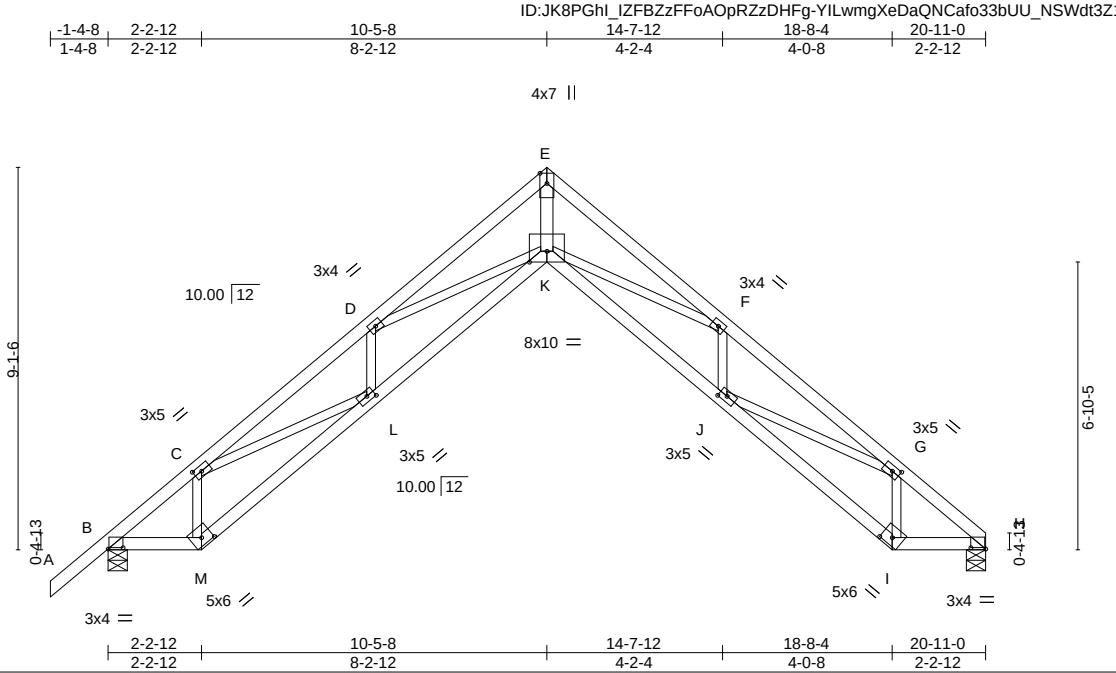

Plate Offsets (X,Y)-- [B:0-4-4,0-0-6], [C:0-2-4,0-1-8], [G:0-2-4,0-1-8], [H:0-4-4,0-0-6], [I:0-3-0,0-2-1], [J:0-2-4,0-1-8], [K:0-5-0,0-3-2], [L:0-2-4,0-1-8], [M:0-3-0,0-2-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	-0.30	K	>833	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.57	K	>442	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.77	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.13	K	>999	240	Weight: 85 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
E-K: 2x4 SPF 2100F 1.8E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) H=0-5-8, B=0-5-8
Max Horz B=183(LC 5)
Max Uplift H=-65(LC 9), B=-91(LC 8)
Max Grav H=980(LC 1), B=1088(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1377/86, C-D=-3106/267, D-E=-3552/73, E-F=-3552/96, F-G=-3124/140, G-H=-1410/101
BOT CHORD B-M=-153/1033, L-M=-199/1311, K-L=-285/3007, J-K=-67/3025, I-J=-76/1353, H-I=-54/1066
WEBS F-K=-150/556, E-K=-37/4121, F-J=-466/46, G-I=-805/72, G-J=0/1396, C-M=-795/158, D-K=0/425, D-L=-474/75, C-L=-69/1417

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) H, B.
7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	B4	Roof Special	7	1	U1531717
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:10 2024 Page 1
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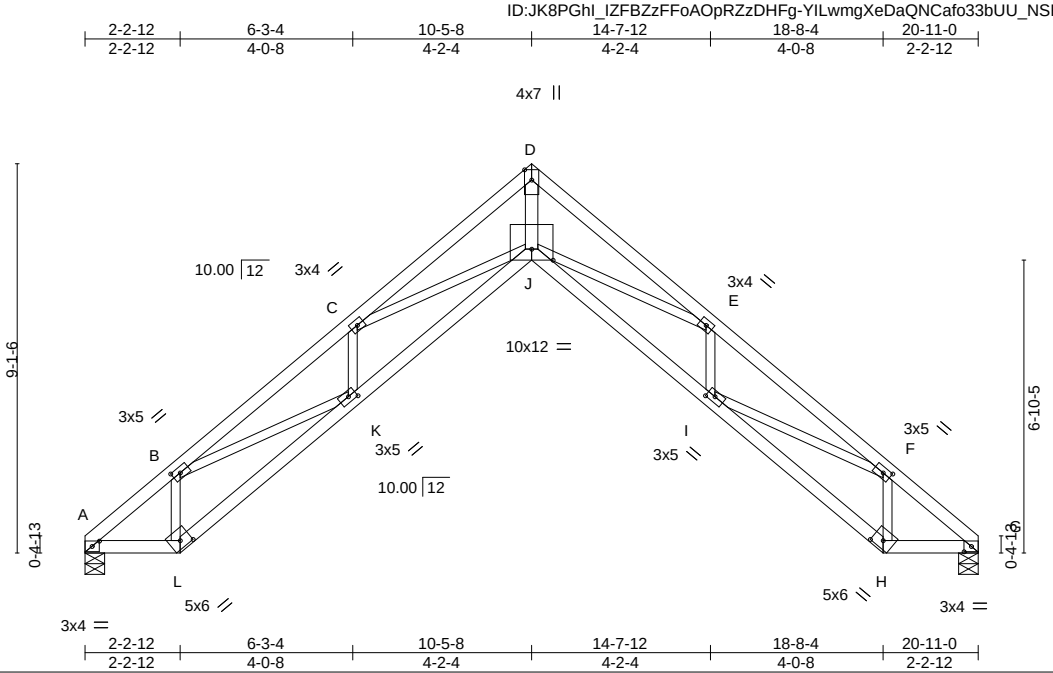


Plate Offsets (X,Y)-- [A:0-2-1,0-1-8], [B:0-2-4,0-1-8], [F:0-2-4,0-1-8], [G:0-2-1,0-1-8], [H:0-3-0,0-2-1], [I:0-2-4,0-1-8], [J:0-6-0,0-3-2], [K:0-2-4,0-1-8], [L:0-3-0,0-2-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	-0.30	J	>825	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.57	J	>439	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.78	G	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.13	J	>999	240	Weight: 83 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
D-J: 2x4 SPF 2100F 1.8E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) A=0-5-8, G=0-5-8
Max Horz A=-169(LC 4)
Max Uplift A=-65(LC 8), G=-65(LC 9)
Max Grav A=983(LC 1), G=983(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-1415/103, B-C=-3139/282, C-D=-3576/83, D-E=-3576/107, E-F=-3139/146, F-G=-1415/101
BOT CHORD A-L=-170/1070, K-L=-220/1358, J-K=-300/3039, I-J=-74/3039, H-I=-77/1358, G-H=-55/1070
WEBS D-J=-50/4150, E-J=-151/560, E-I=-469/47, F-I=-0/1403, F-H=-808/72, C-J=0/421, C-K=-469/72, B-K=-63/1403, B-L=-808/163

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, G.
6) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

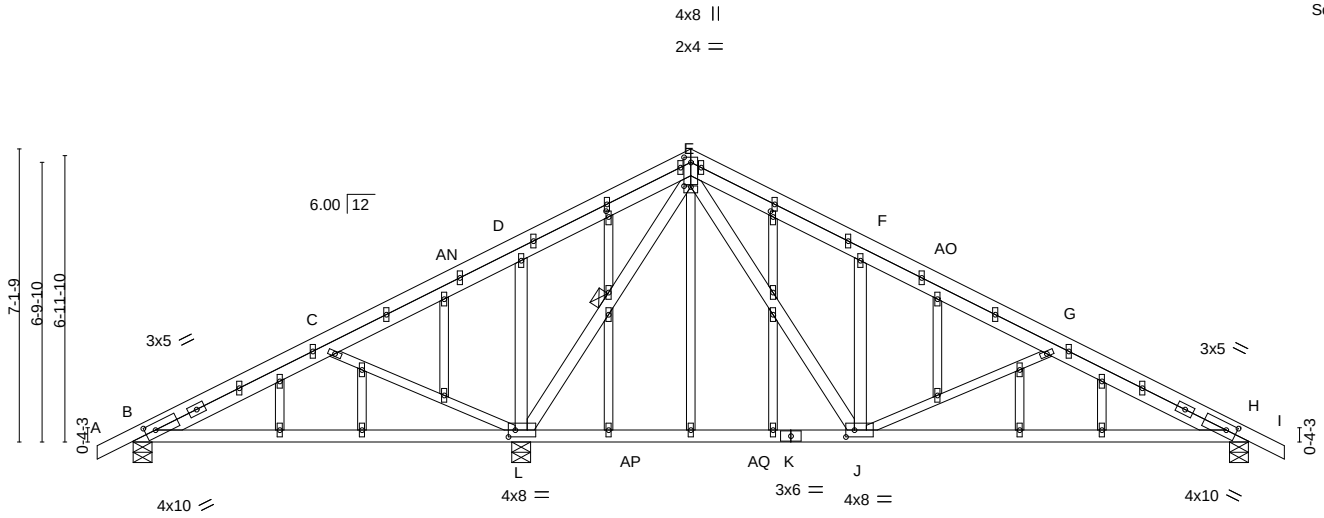
PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	C1	GABLE	1	1	U1531718
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:11 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-1VvIz0XG_tYEpkE_dm6j1Bvhp1ETIXIQPcqnc1yd3dU

-0-10-8	4-10-14	9-5-4	13-6-13	17-8-5	22-2-11	27-1-9	28-0-1
0-10-8	4-10-14	4-6-6	4-1-8	4-1-8	4-6-6	4-10-14	0-10-8

Scale = 1:56.1



9-5-4	17-8-5	27-1-9
9-5-4	8-3-0	9-5-4

Plate Offsets (X,Y)-- [B:0-3-0,0-2-0], [E:0-2-0,0-0-4], [E:0-1-8,0-2-0], [H:0-3-0,0-2-0], [J:0-2-8,0-2-0], [L:0-2-0,0-2-0], [O:0-1-11,0-0-12], [Y:0-1-11,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.13	J-AM	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.27	L-AJ	>403	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.02	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.02	L-AJ	>999	240		
BCDL	10.0										Weight: 157 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2 *Except* G-J,C-L: 2x3 SPF No.2
OTHERS	2x3 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-6-10 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt E-L

REACTIONS. (size) B=0-5-8, L=0-5-8, H=0-5-8
Max Horz B=100(LC 10)
Max Uplift B=-37(LC 10), L=-163(LC 10), H=-87(LC 11)
Max Grav B=466(LC 17), L=1542(LC 2), H=901(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-289/98, C-D=-108/389, D-E=-30/386, E-F=-1068/145, F-G=-1045/68, G-H=-1448/141
BOT CHORD J-L=0/303, H-J=-74/1292
WEBS E-J=-134/1062, F-J=-483/142, G-J=-493/141, E-L=-1038/131, D-L=-476/140, C-L=-458/138

NOTES-

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
6) All plates are 1.5x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, H except (jt=lb) L=163.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) No notches allowed in overhang and 1008 from left end and 1008 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

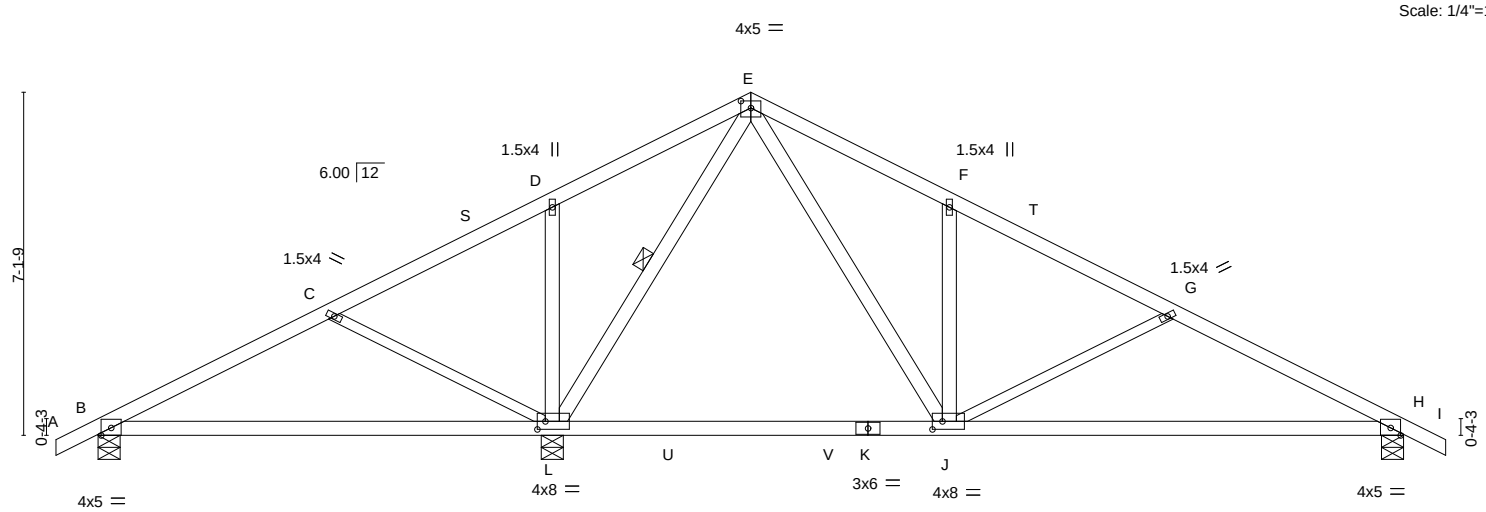
PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	C2	Common	7	1	U1531719
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:11 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-1VvIz0XG_tYEpkE_dm6j1Bvgz1E?IWxQPcqnc1yd3dU

-0-10-8	4-10-14	9-5-4	13-6-13	17-8-5	22-2-11	27-1-9	28-0-1
0-10-8	4-10-14	4-6-6	4-1-8	4-1-8	4-6-6	4-10-14	0-10-8

Scale: 1/4"=1'



9-5-4	17-8-5	27-1-9
9-5-4	8-3-0	9-5-4

Plate Offsets (X,Y)-- [E:0-2-8,0-1-12], [J:0-2-8,0-2-0], [L:0-2-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.15	J-R	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.32	J-R	>663	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.02	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.04	J-R	>999	240	Weight: 104 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
G-J,C-L: 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt E-L

REACTIONS. (size) B=0-5-8, L=0-5-8, H=0-5-8
Max Horz B=-94(LC 15)
Max Uplift B=-27(LC 10), L=-142(LC 10), H=-94(LC 11)
Max Grav B=350(LC 17), L=1664(LC 2), H=865(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD C-D=-69/462, D-E=0/450, E-F=-958/175, F-G=-938/96, G-H=-1306/159
BOT CHORD H-J=-83/1141
WEBS E-J=-140/1051, F-J=-478/142, G-J=-445/138, E-L=-1091/90, D-L=-482/143, C-L=-453/139

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 25.0 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.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, H except (jt=lb) L=142.
8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	CS1	Jack-Open	1	1	U1531720
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:12 2024 Page 1
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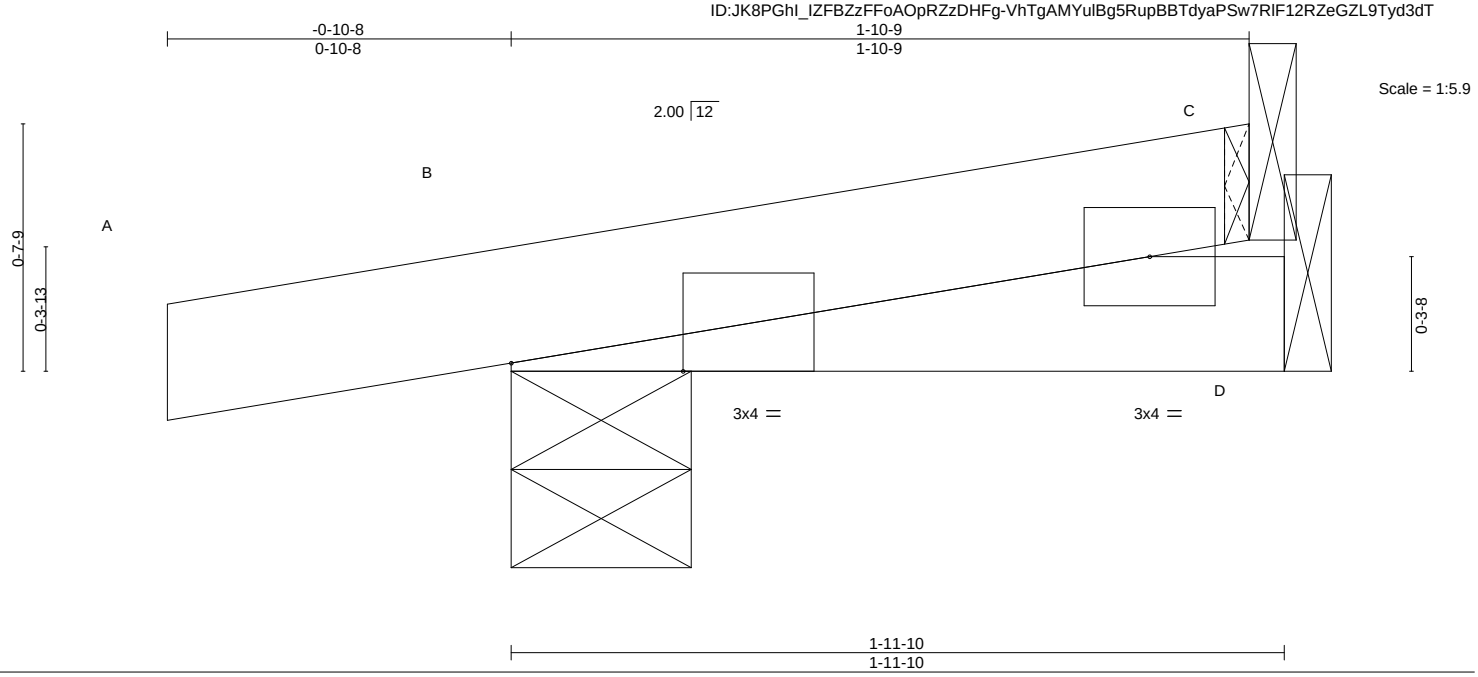

Plate Offsets (X,Y)-- [B:0-5-4,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	-0.00	E	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.05	Vert(CT)	-0.00	E	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	D	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MP		Wind(LL)	0.00	E	>999	240	Weight: 5 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-10-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) B=0-5-8, D=Mechanical
Max Horz B=15(LC 6)
Max Uplift B=-45(LC 6), D=-6(LC 10)
Max Grav B=205(LC 17), D=83(LC 17)

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

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 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.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, D.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	CS2	Jack-Open	1	1	U1531721
					Job Reference (optional)

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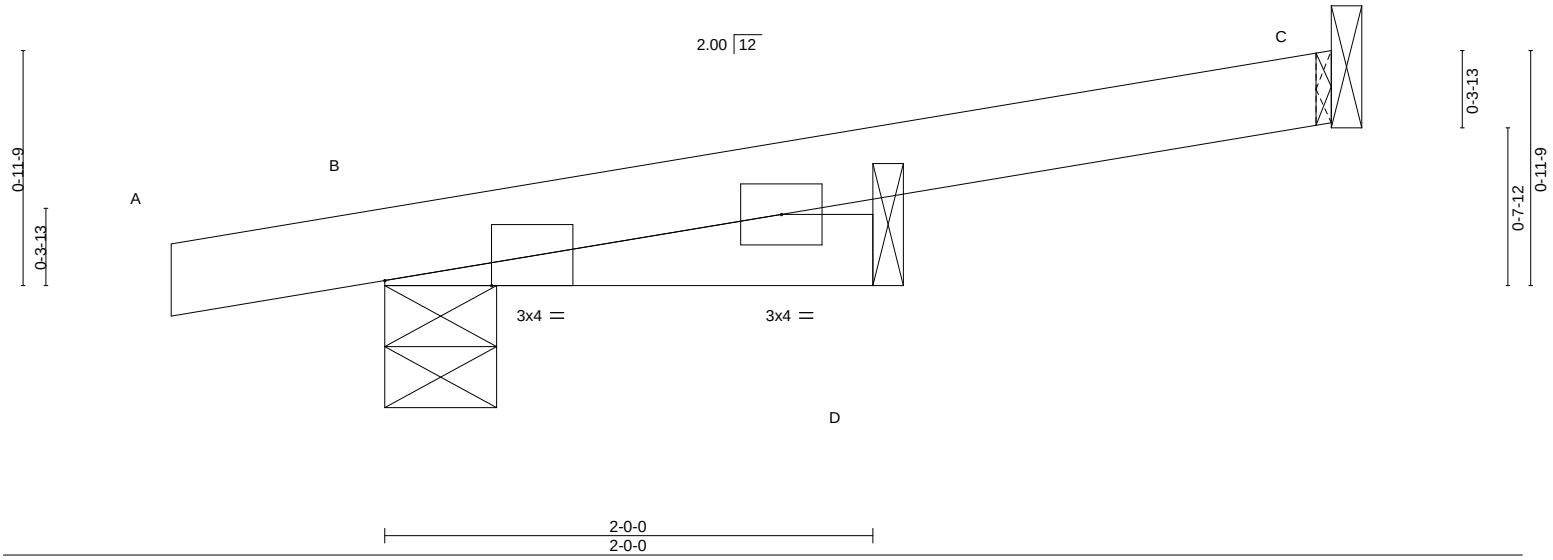

Plate Offsets (X,Y)-- [B:0-5-4,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	-0.00	E	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.00	G	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MP		Wind(LL)	0.00	E	>999	240	Weight: 8 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) C=Mechanical, B=0-5-8, D=Mechanical
Max Horz B=25(LC 6)
Max Uplift C=-20(LC 6), B=-42(LC 6), D=-32(LC 10)
Max Grav C=83(LC 17), B=213(LC 17), D=192(LC 17)

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

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 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.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) C, B, D.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	CS3	Jack-Open	1	1	U1531722
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:13 2024 Page 1
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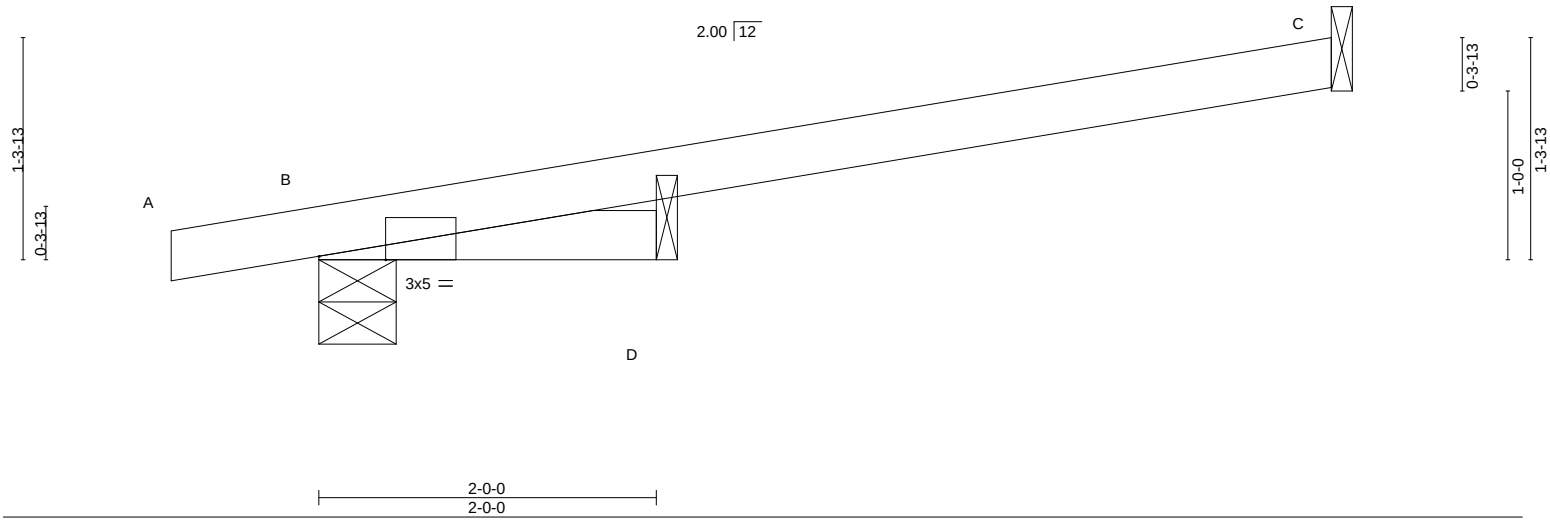

Plate Offsets (X,Y)-- [B:0-4-12,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.00	G	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.00	G	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MP		Wind(LL)	0.00	E	>999	240	Weight: 10 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) C=Mechanical, B=0-5-8, D=Mechanical
Max Horz B=36(LC 6)
Max Uplift C=-38(LC 6), B=-27(LC 6), D=-76(LC 10)
Max Grav C=159(LC 17), B=161(LC 16), D=377(LC 17)

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

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 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.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) C, B, D.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	D1	GABLE	1	1	U1531723
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:13 2024 Page 1
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0-10-8	5-8-7	5-1-15	5-1-15	5-1-15	5-1-15	5-8-7	0-10-8

4x5 ||

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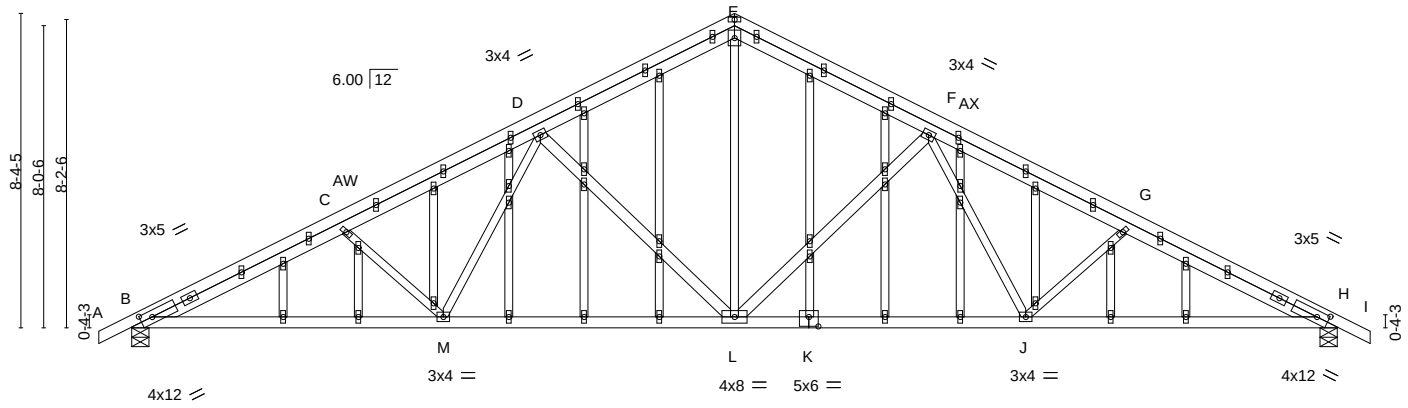


8-3-6	16-0-5	23-9-3	32-0-9
8-3-6	7-8-14	7-8-14	8-3-6

Plate Offsets (X,Y)-- [B:0-3-12,0-2-0], [H:0-3-12,0-2-0], [K:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	-0.18	J-L	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.37	J-L	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.11	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.09	L-M	>999	240	Weight: 193 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x3 SPF No.2 *Except* F-L,D-L: 2x4 SPF No.2
OTHERS	2x3 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-11-9 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) B=0-5-8, H=0-5-8
Max Horz B=116(LC 10)
Max Uplift B=-163(LC 10), H=-143(LC 11)
Max Grav B=1637(LC 1), H=1567(LC 1)

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

TOP CHORD	B-C=-2985/256, C-D=-2648/222, D-E=-1819/179, E-F=-1819/180, F-G=-2641/219, G-H=-2976/253
BOT CHORD	B-M=-280/2651, L-M=-162/2068, J-L=-65/2065, H-J=-170/2641
WEBS	E-L=-73/1185, F-L=-852/173, F-J=-22/518, G-J=-484/146, D-L=-855/174, D-M=-25/526, C-M=-489/148

NOTES-

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
6) All plates are 1.5x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=163, H=143.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) No notches allowed in overhang and 1008 from left end and 1008 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

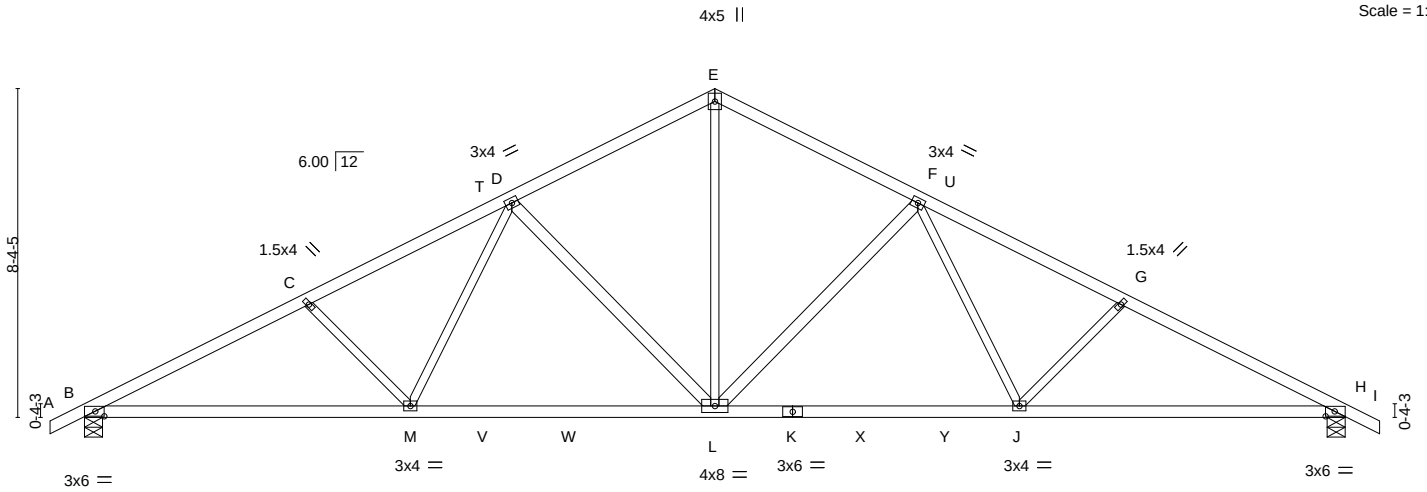
PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	D2	Common	5	1	U1531724
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:14 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-R4bRb2a9HowogCyZIufQfqX9DEB3Vm5s6a2RDMyd3dR

-0-10-8	5-8-7	10-10-6	16-0-5	21-2-3	26-4-2	32-0-9	32-11-1
0-10-8	5-8-7	5-1-15	5-1-15	5-1-15	5-1-15	5-8-7	0-10-8

Scale = 1:58.6



8-3-6	16-0-5	23-9-3	32-0-9
8-3-6	7-8-14	7-8-14	8-3-6

Plate Offsets (X,Y)-- [B:0-2-12,0-1-8], [H:0-2-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	-0.21	L-M	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.37	L-M	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.12	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.07	M-P	>999	240	Weight: 118 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
F-L,D-L: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (size) B=0-5-8, H=0-5-8
Max Horz B=-110(LC 11)
Max Uplift B=-139(LC 10), H=-139(LC 11)
Max Grav B=1632(LC 2), H=1632(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2942/242, C-D=-2718/221, D-E=-1881/182, E-F=-1881/182, F-G=-2718/221, G-H=-2942/242
BOT CHORD B-M=-262/2597, L-M=-152/2099, J-L=-60/2099, H-J=-152/2597
WEBS E-L=-78/1317, F-L=-822/173, F-J=-29/622, G-J=-390/142, D-L=-822/173, D-M=-29/622, C-M=-390/142

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 25.0 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.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=139, H=139.
8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

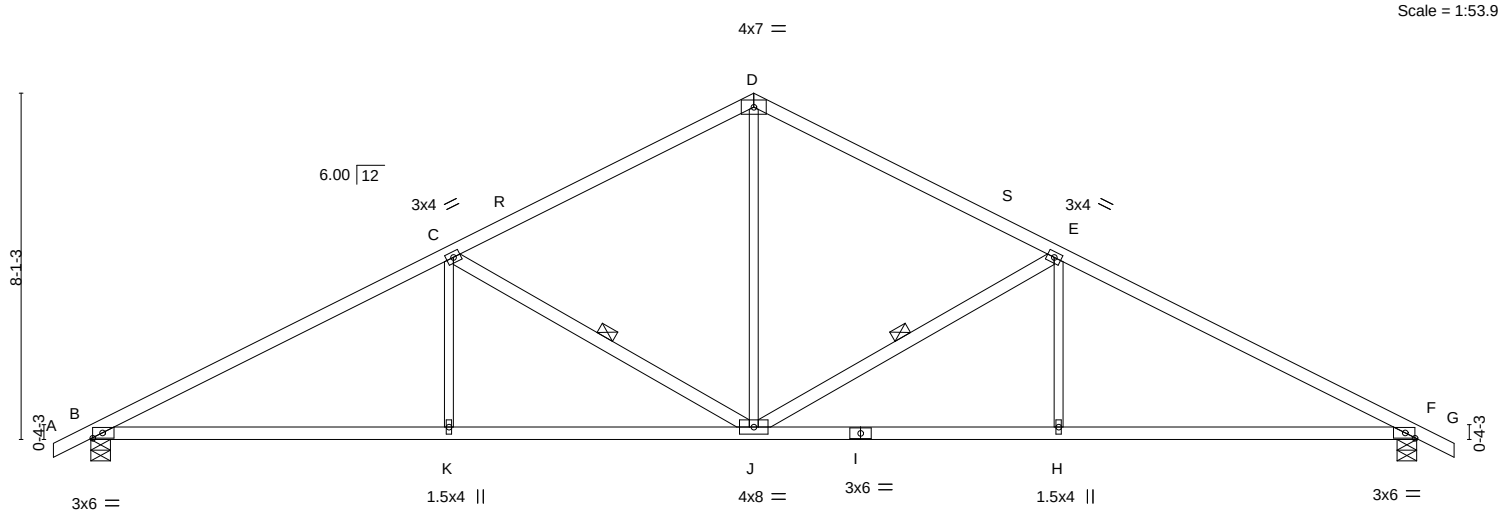
PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	G1	Common	16	1	U1531725
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:15 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-vG9ppOan262fIMXmscBfB14IheYyEKf?KEo?loyd3dQ

-0-10-8 | 8-4-8 | 15-6-1 | 22-7-9 | 31-0-1 | 31-10-9
0-10-8 | 8-4-8 | 7-1-9 | 7-1-9 | 8-4-8 | 0-10-8

Scale = 1:53.9



8-4-8 | 15-6-1 | 22-7-9 | 31-0-1
8-4-8 | 7-1-9 | 7-1-9 | 8-4-8

Plate Offsets (X,Y)-- [B:0-2-12,0-1-8], [F:0-2-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.16	K-N	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.94	Vert(CT)	-0.36	K-N	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.11	F	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.11	K-N	>999	240	Weight: 108 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
E-J,C-J: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt E-J, C-J

REACTIONS. (size) B=0-5-8, F=0-5-8
Max Horz B=-107(LC 15)
Max Uplift B=-135(LC 10), F=-135(LC 11)
Max Grav B=1522(LC 1), F=1522(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2618/206, C-D=-1782/174, D-E=-1782/174, E-F=-2618/206
BOT CHORD B-K=-204/2246, J-K=-204/2246, H-J=-97/2246, F-H=-97/2246
WEBS D-J=-44/1029, E-J=-1007/198, E-H=0/338, C-J=-1007/197, C-K=0/338

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 25.0 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.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=135, F=135.
8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

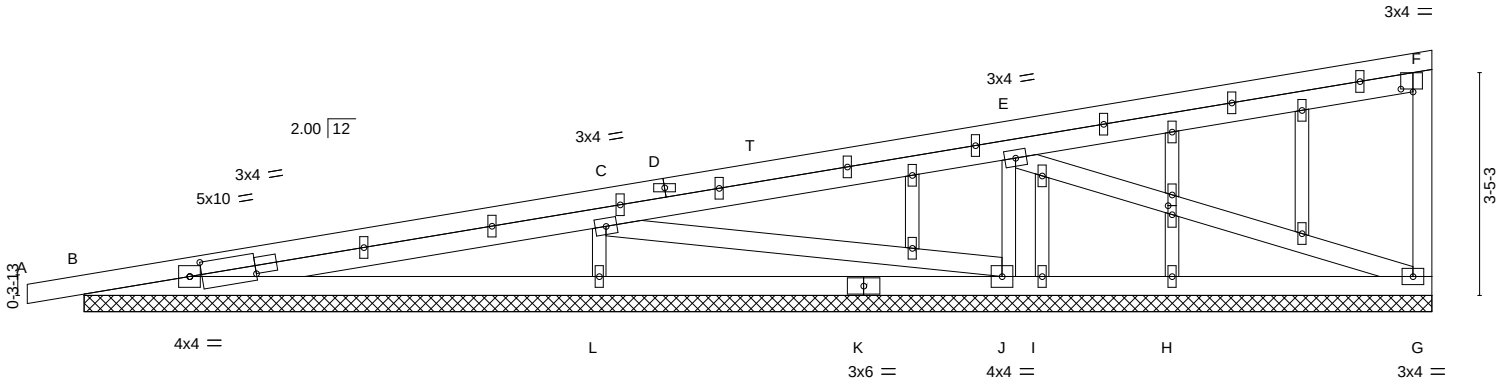
PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	H1	GABLE	1	1	U1531726
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:15 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-vG9ppOan262fIMXmscBfB14FKefiEOI?KEo?loyd3dQ

-0-10-8 7-11-3 14-2-13 20-9-0
0-10-8 7-11-3 6-3-11 6-6-3

Scale = 1:35.5



7-11-3 14-2-13 20-9-0
7-11-3 6-3-11 6-6-3

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	0.07	A	n/r	120	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.45	Vert(CT)	0.13	A	n/r	90		
TCDL	12.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.00	G	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 96 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
C-L,E-J: 2x3 SPF No.2
OTHERS 2x3 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, Except: 6-0-0 oc bracing: B-L.

REACTIONS. All bearings 20-9-0.
(lb) - Max Horz B=99(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) G, B, L, J except I=-148(LC 5)
Max Grav All reactions 250 lb or less at joint(s) H except G=312(LC 17), B=374(LC 1), L=810(LC 17), J=698(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD F-G=-264/59
WEBS C-L=-626/172, E-J=-602/129

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
6) All plates are 1.5x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) G, B, L, J except (jt=lb) I=148.
12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) No notches allowed in overhang and 1008 from left end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

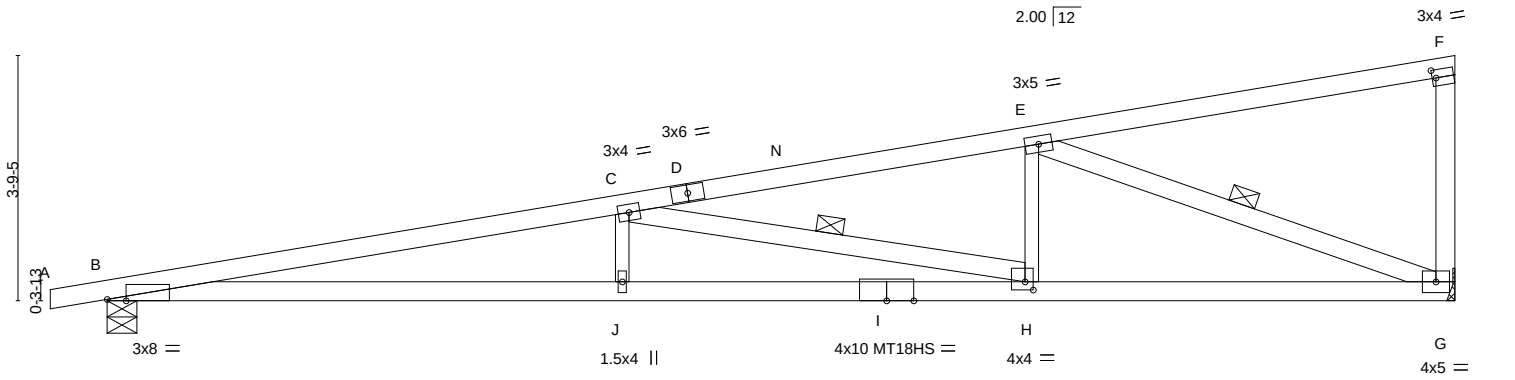
PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	H2	Monopitch	8	1	U1531727
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:16 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-NSjB0kbPpQAWwV6yQJiukFdTu2tKzkp9ZuXYIFyd3dP

-0-10-8	7-11-3	14-2-13	20-9-0
0-10-8	7-11-3	6-3-11	6-6-3

Scale = 1:35.5



7-11-3	14-2-13	20-9-0
7-11-3	6-3-11	6-6-3

Plate Offsets (X,Y)-- [B:0-3-8,Edge], [F:0-0-11,0-1-8], [H:0-1-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.31	J-M	>806	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.56	J-M	>439	240	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.09	G	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.17	J-M	>999	240	Weight: 69 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except*
	A-D: 2x4 SPF 2100F 1.8E
BOT CHORD	2x4 SPF No.2 *Except*
	B-I: 2x4 SPF 2100F 1.8E
WEBS	2x4 SPF No.2 *Except*
	C-J,E-H: 2x3 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-9-14 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt C-H, E-G

REACTIONS. (size) B=0-5-8, G=Mechanical
Max Horz B=108(LC 9)
Max Uplift B=-146(LC 6), G=-126(LC 10)
Max Grav B=1092(LC 17), G=1143(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-4152/460, C-E=-2286/244, F-G=-265/58
BOT CHORD B-J=-479/4074, H-J=-479/4074, G-H=-232/2216
WEBS C-J=0/287, C-H=-1900/253, E-H=0/533, E-G=-2313/269

NOTES-

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) 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.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=146, G=126.
10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

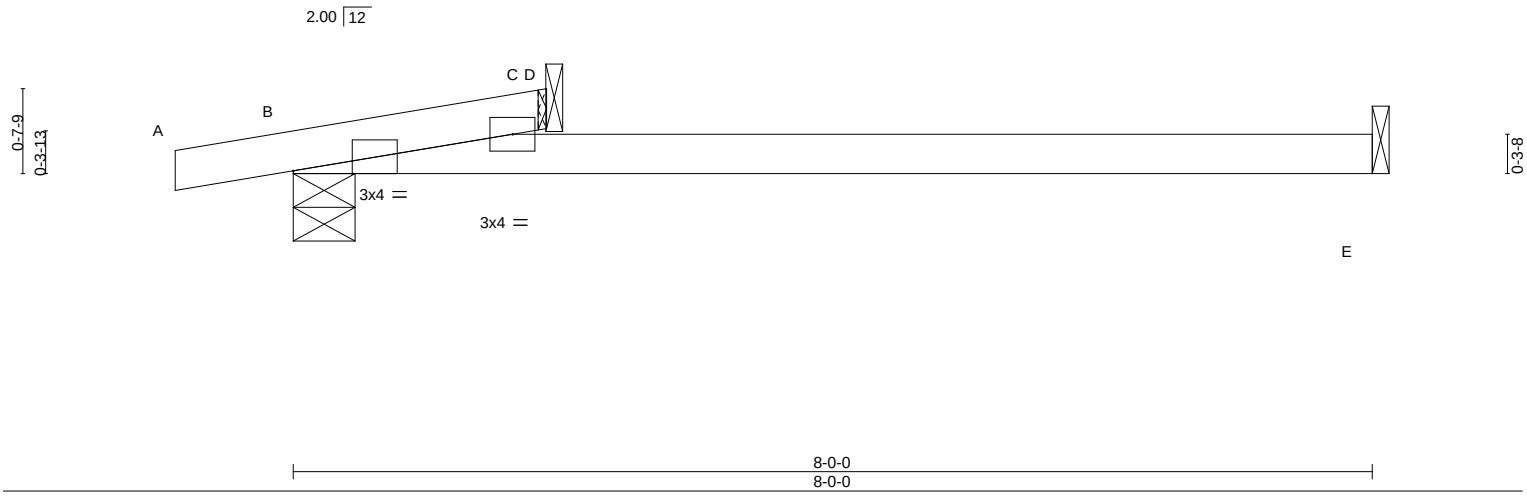
PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	JM1	Jack-Open	1	1	U1531728
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:16 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-NSjB0kbPpQAWwV6yQJiukFdcz22?zsQ9ZuXYIFyd3dP

-0-10-8 1-10-9
0-10-8 1-10-9

Scale = 1:17.1



8-0-0
8-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	-0.04	E-H	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.08	E-H	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MP		Wind(LL)	0.00	H	>999	240	Weight: 12 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-10-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) B=0-5-8, E=Mechanical, C=Mechanical
Max Horz B=15(LC 6)
Max Uplift B=-67(LC 6)
Max Grav B=154(LC 17), E=96(LC 5), C=293(LC 5)

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

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 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.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	JM2	Jack-Open	1	1	U1531729
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:16 2024 Page 1
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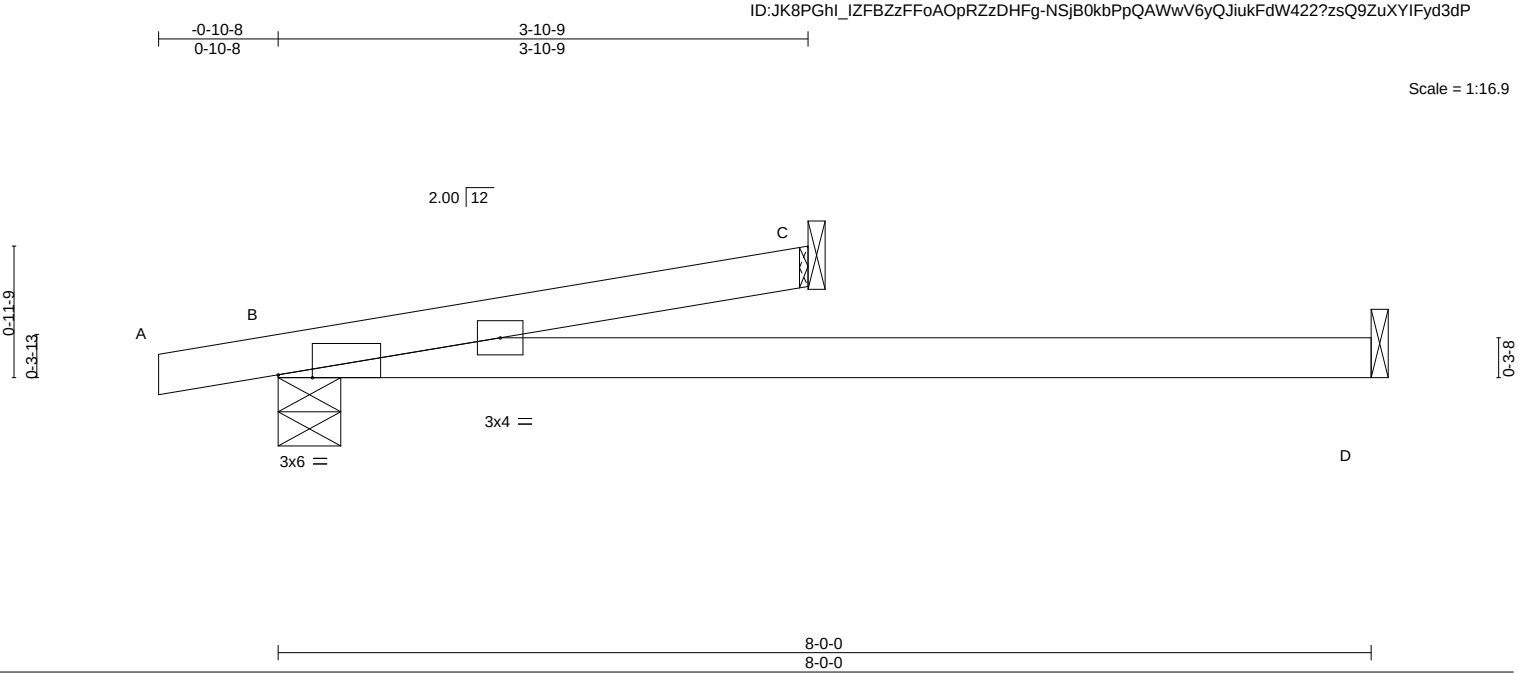

Plate Offsets (X,Y)-- [B:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.07	D-G	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.15	D-G	>634	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	B	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MP		Wind(LL)	0.02	D-G	>999	240	Weight: 15 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) C=Mechanical, B=0-5-8, D=Mechanical
Max Horz B=25(LC 6)
Max Uplift C=-11(LC 10), B=-47(LC 6)
Max Grav C=212(LC 17), B=334(LC 17), D=108(LC 5)

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

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 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.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) C, B.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	JM3	JACK-CLOSED GIRDER	1	1	U1531730
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:17 2024 Page 1
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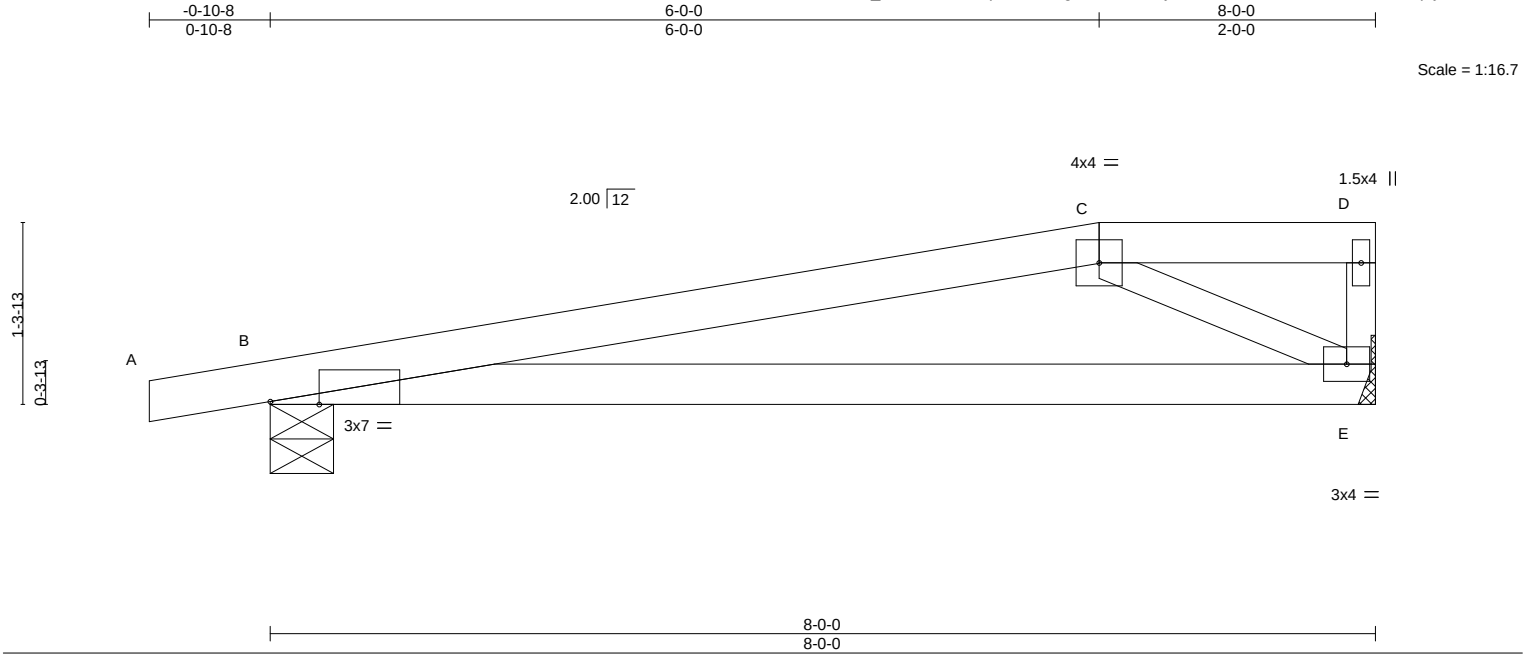

Plate Offsets (X,Y)-- [B:0-4-4,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.18	E-H	>529	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.34	E-H	>281	240		
TCDL	12.0	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.01	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MP		Wind(LL)	0.07	E-H	>999	240	Weight: 22 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) B=0-5-8, E=Mechanical
Max Horz B=33(LC 44)
Max Uplift B=-85(LC 6), E=-78(LC 6)
Max Grav B=659(LC 28), E=696(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1076/154
BOT CHORD B-E=-144/1041
WEBS C-E=-1183/172

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, E.
10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 451 lb down and 122 lb up at 6-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-C=-74, C-D=-74, E-F=-20

September 17,2024

Continued on page 2

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	JM3	JACK-CLOSED GIRDER	1	1	U1531730 Job Reference (optional)

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: C=-419(B)

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	JM4	Jack-Partial	2	1	U1531731
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:17 2024 Page 1
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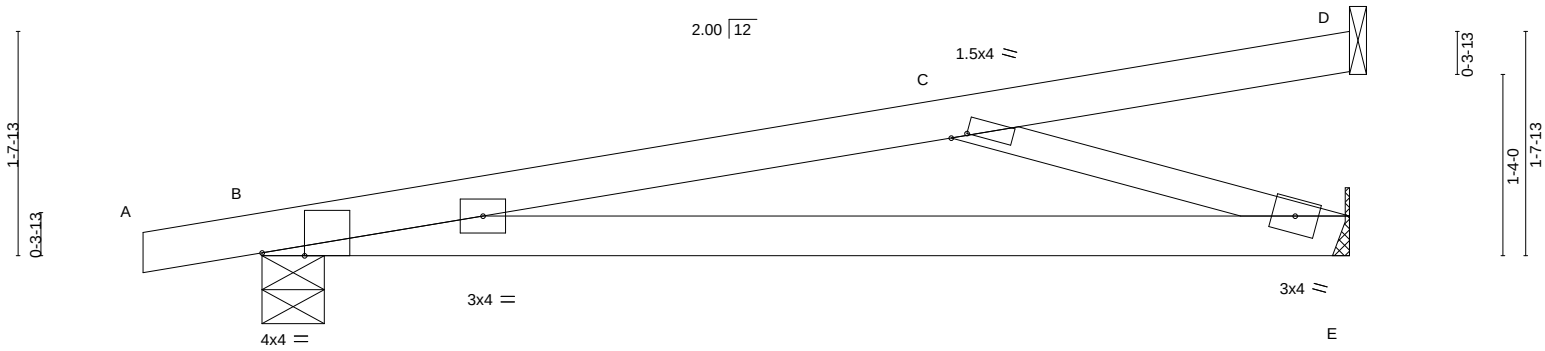

8-0-0 / 8-0-0

Plate Offsets (X,Y)-- [B:0-3-12,Edge], [C:0-1-4,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.09	E-H	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.20	E-H	>481	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.01	E	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MP		Wind(LL)	0.04	E-H	>999	240	Weight: 22 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) D=Mechanical, B=0-5-8, E=Mechanical
Max Horz B=46(LC 6)
Max Uplift D=-30(LC 6), B=-73(LC 6), E=-20(LC 10)
Max Grav D=79(LC 17), B=552(LC 17), E=375(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1052/131
BOT CHORD B-E=-149/1034
WEBS C-E=-1078/155

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 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.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) D, B, E.
10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	K1	GABLE	1	1	U1531732
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:18 2024 Page 1
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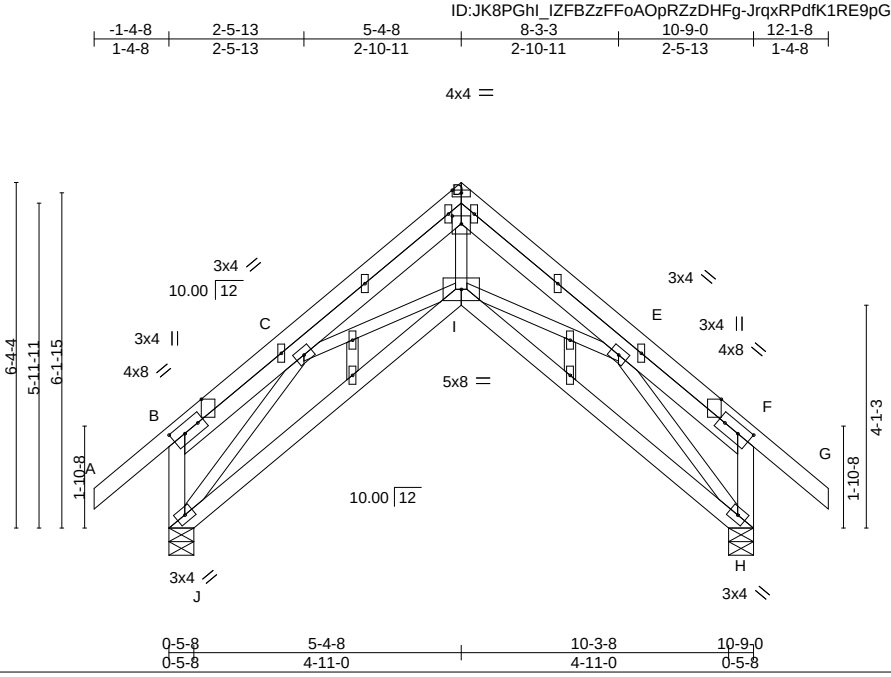

Plate Offsets (X,Y)-- [B:0-5-4,Edge], [B:0-2-14,0-2-0], [D:0-2-0,0-1-12], [F:0-2-14,0-2-0], [F:0-5-4,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.04	I	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.27	Vert(CT)	-0.09	I-J	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.15	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.02	I	>999	240	Weight: 69 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
B-J,F-H: 2x4 SPF No.2
OTHERS 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) H=0-5-8, J=0-5-8
Max Horz J=-155(LC 6)
Max Uplift H=-56(LC 9), J=-56(LC 8)
Max Grav H=604(LC 1), J=604(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD C-D=-1147/33, D-E=-1168/61, B-J=-253/70, F-H=-253/68
BOT CHORD I-J=-198/802, H-I=-23/662
WEBS D-I=-53/1224, E-I=-74/443, E-H=-855/22, C-I=0/347, C-J=-864/63

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) H, J considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) H, J.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) No notches allowed in overhang and 10408 from left end and 10408 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	K2	Roof Special	5	1	U1531733
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:19 2024 Page 1
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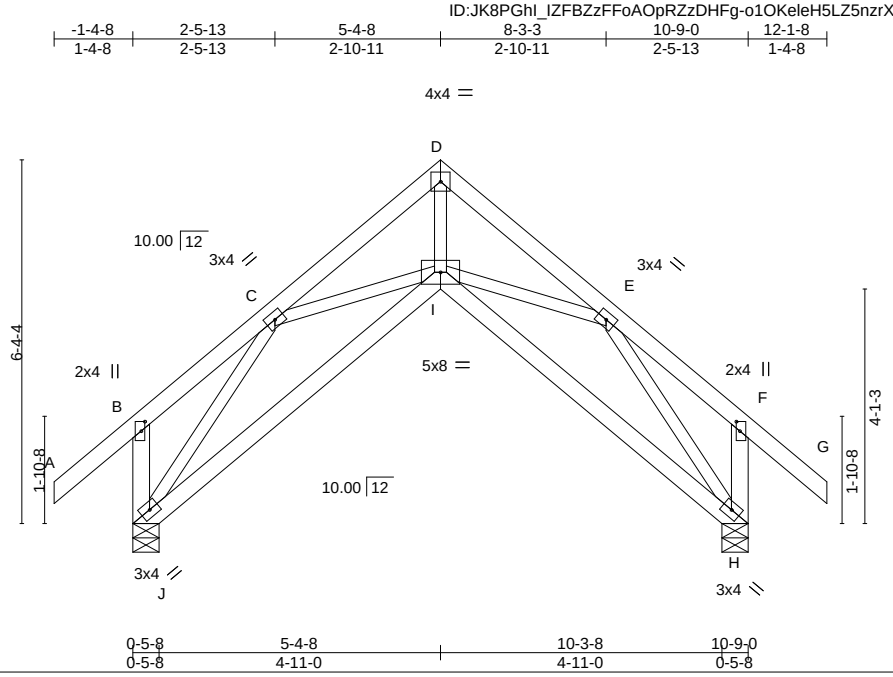

Plate Offsets (X,Y)-- [B:0-2-0,0-0-12], [F:0-2-0,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.04	I-J	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.08	I-J	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.11	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.02	I	>999	240	Weight: 53 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
B-J,F-H: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) H=0-5-8, J=0-5-8
Max Horz J=-162(LC 6)
Max Uplift H=-53(LC 9), J=-53(LC 8)
Max Grav H=604(LC 1), J=604(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD C-D=-938/38, D-E=-958/63, B-J=-250/83
BOT CHORD I-J=-190/701, H-I=-20/573
WEBS D-I=-59/966, E-I=-64/336, E-H=-756/3, C-I=0/264, C-J=-756/31

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) H, J considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) H, J.
8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	K3	Roof Special	6	1	U1531734
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:19 2024 Page 1
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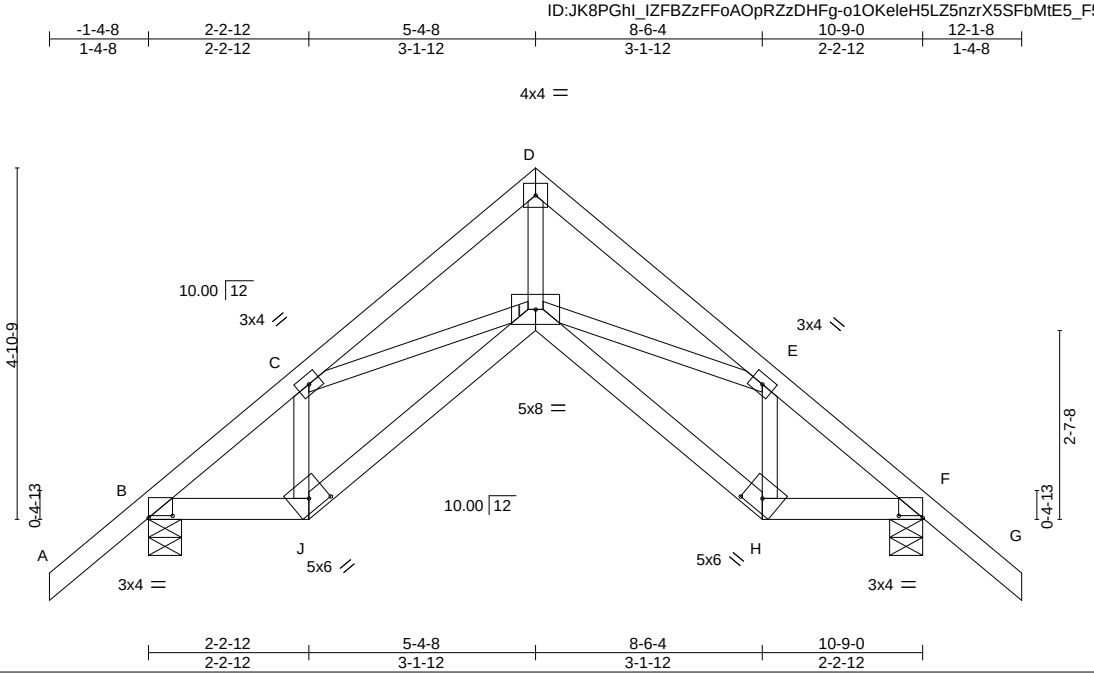


Plate Offsets (X,Y)-- [B:0-4-0,0-0-6], [F:0-4-0,0-0-6], [H:0-3-0,0-2-1], [J:0-3-0,0-2-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.02	I	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.05	I	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.05	F	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	I	>999	240	Weight: 45 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) B=0-5-8, F=0-5-8
Max Horz B=-109(LC 6)
Max Uplift B=-59(LC 8), F=-59(LC 9)
Max Grav B=607(LC 1), F=607(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-633/38, C-D=-974/7, D-E=-974/26, E-F=-633/39
BOT CHORD B-J=-42/473, I-J=-61/605, H-I=-3/585, F-H=0/457
WEBS D-I=0/911, E-I=-23/323, E-H=-328/25, C-I=0/288, C-J=-339/67

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, F.
7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	K4	COMMON GIRDER	1	2	U1531735
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:20 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-GDyis5evsehyO7Qjf9mqu5nF2fPovYZkUWVmR0yd3dL

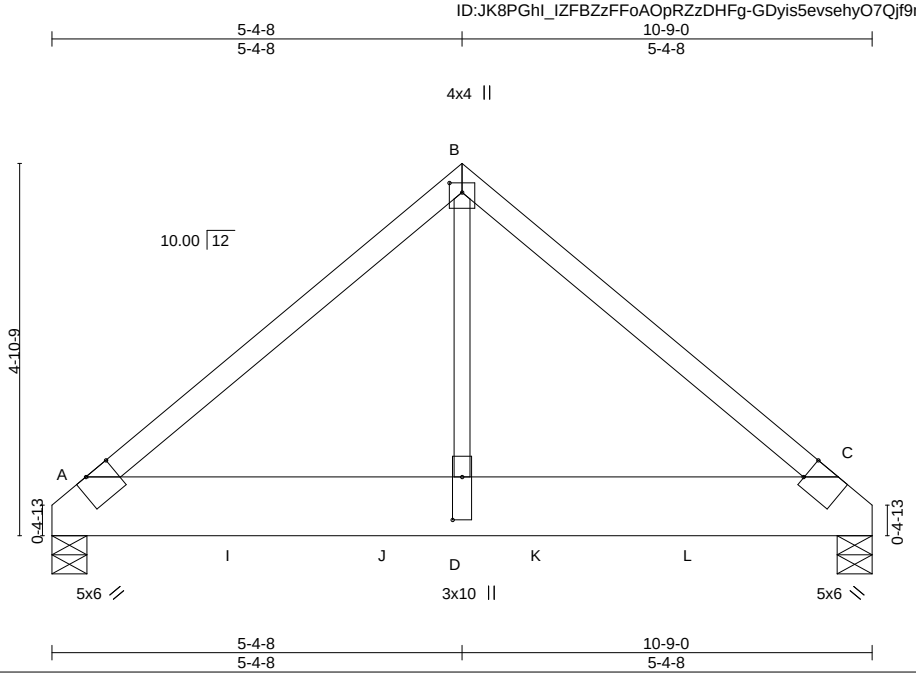


Plate Offsets (X,Y)-- [A:0-4-2,Edge], [B:0-1-8,0-2-0], [C:0-0-2,Edge], [D:0-6-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.02	D	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.04	D-G	>999	240		
TCDL	12.0	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.01	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.01	D	>999	240		
BCDL	10.0										Weight: 112 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x10 DF SS
WEBS 2x3 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. (size) A=0-5-8, C=0-5-8
Max Horz A=83(LC 24)
Max Uplift A=-282(LC 8), C=-205(LC 9)
Max Grav A=3871(LC 1), C=2785(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2948/255, B-C=-2948/254
BOT CHORD A-D=-144/2184, C-D=-144/2184
WEBS B-D=-232/3305

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-7-0 oc.
Webs connected as follows: 2x3 - 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.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=282, C=205.
8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1144 lb down and 87 lb up at 0-2-12, 1136 lb down and 95 lb up at 2-5-5, 1136 lb down and 95 lb up at 4-5-5, and 1136 lb down and 95 lb up at 6-5-5, and 1136 lb down and 95 lb up at 8-5-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-B=-74, B-C=-74, A-C=-20

September 17,2024

Continued on page 2

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

LOAD CASE(S) Standard

Concentrated Loads (lb)

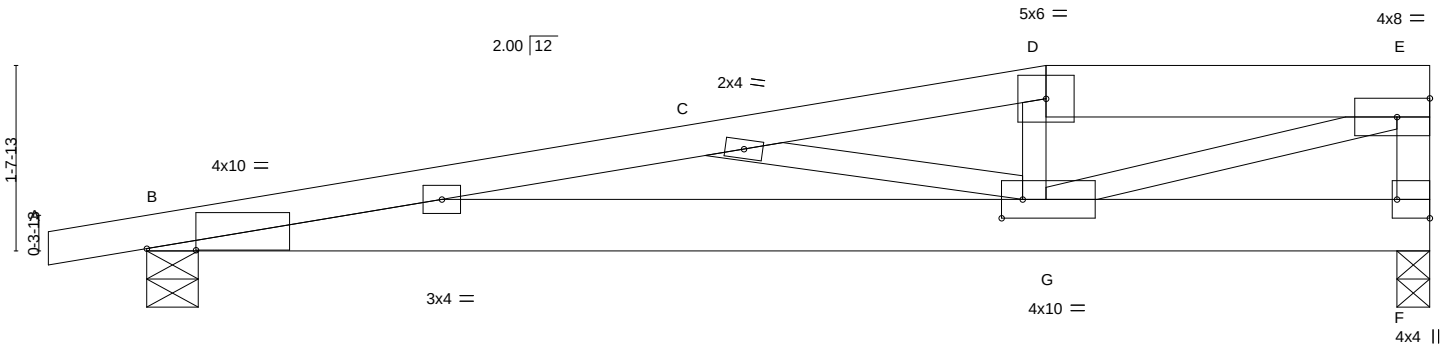
Vert: A=-1144(F) I=-1136(F) J=-1136(F) K=-1136(F) L=-1136(F)

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	M1	Half Hip Girder	1	1	U1531736
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:20 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-GDyis5evsehyO7Qjf9mqu5nAwfKKvS9kUWVmR0yd3dL

-0-10-8 | 5-3-12 | 8-0-0 | 11-4-15
0-10-8 | 5-3-12 | 2-8-4 | 3-4-15

Scale = 1:20.5



8-0-0 | 11-4-15
8-0-0 | 3-4-15

Plate Offsets (X,Y)-- [B:0-5-4,0-0-3], [F:Edge,0-3-8], [G:0-2-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	-0.13	G-I	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.26	G-I	>505	240		
TCDL	12.0	Rep Stress Incr	NO	WB	0.91	Horz(CT)	0.02	F	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.07	G-I	>999	240	Weight: 43 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2 *Except*
D-E: 2x6 SPF No.2
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
E-F: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) F=0-3-8, B=0-5-8
Max Horz B=39(LC 9)
Max Uplift F=-203(LC 6), B=-91(LC 6)
Max Grav F=1434(LC 1), B=1160(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-3675/405, C-D=-2784/344, D-E=-2689/323, E-F=-1191/170
BOT CHORD B-G=-392/3622
WEBS C-G=-930/76, D-G=-432/225, E-G=-295/2658

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B except (jt=lb) F=203.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 735 lb down and 196 lb up at 8-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: A-D=-74, D-E=-111(F=-37), B-G=-50(F=-30), F-G=-124(F=-104)

September 17,2024

Continued on page 2

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	M1	Half Hip Girder	1	1	U1531736 Job Reference (optional)

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: D=-641(F)

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	M2	Half Hip	1	1	U1531737
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:21 2024 Page 1
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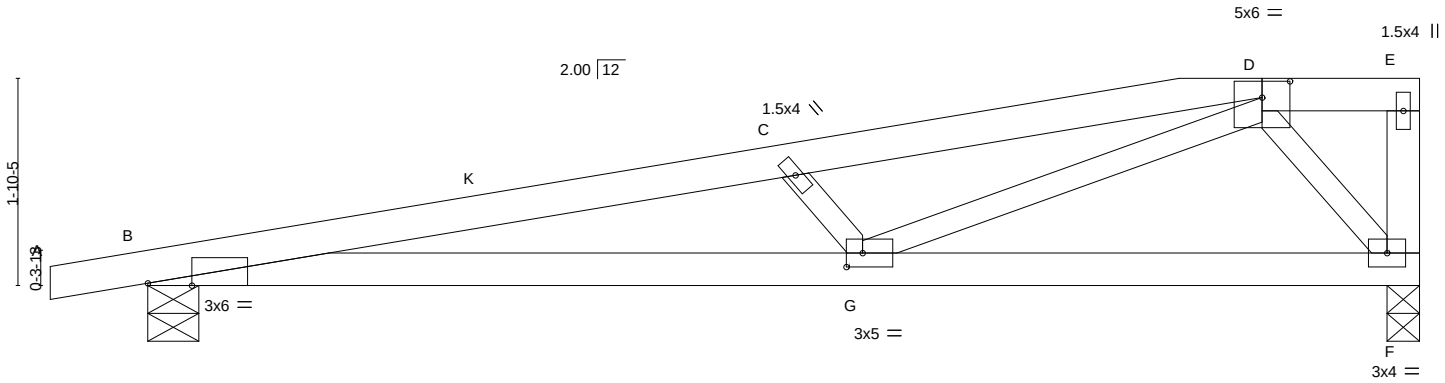
-0-10-8 0-10-8 | 5-9-12 5-9-12 | 10-0-0 4-2-4 | 11-4-15 1-4-15

Scale = 1:20.7



6-5-0 6-5-0 | 11-4-15 5-0-0

Plate Offsets (X,Y)-- [B:0-4-12,Edge], [D:0-3-0,0-1-12], [G:0-1-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.13	G-J	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.22	G-J	>607	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.02	F	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.05	G-J	>999	240	Weight: 34 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
E-F: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) B=0-5-8, F=0-3-8
Max Horz B=49(LC 9)
Max Uplift B=-94(LC 6), F=-67(LC 6)
Max Grav B=768(LC 28), F=603(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2147/215, C-D=-1834/167
BOT CHORD B-G=-213/2103, F-G=-49/469
WEBS C-G=-552/117, D-G=-109/1437, D-F=-733/107

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, F.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	M3	Monopitch	3	1	U1531738
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:21 2024 Page 1
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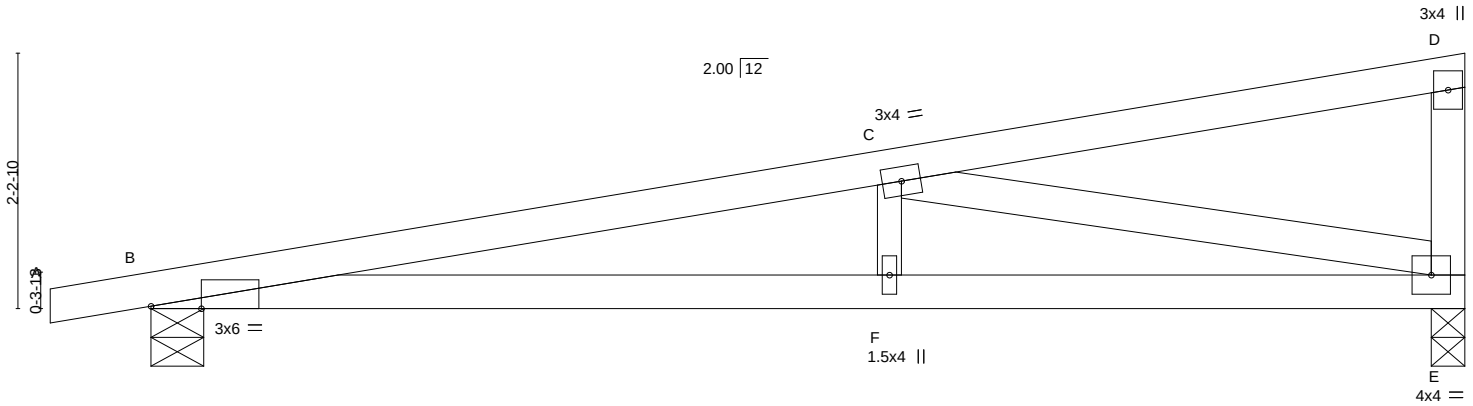
0-10-8 6-5-0 5-0-0

Scale = 1:20.0



6-5-0 11-4-15
6-5-0 5-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	-0.15	F-I	>914	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.25	F-I	>545	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.03	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.07	F-I	>999	240	Weight: 35 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
C-F: 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) E=0-3-8, B=0-5-8
Max Horz B=60(LC 9)
Max Uplift E=-68(LC 10), B=-93(LC 6)
Max Grav E=648(LC 17), B=688(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1950/191
BOT CHORD B-F=-195/1905, E-F=-195/1905
WEBS C-E=-1896/208

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 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.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) E, B.
8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	P1	Monopitch Structural Gable	1	1	U1531739
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:22 2024 Page 1
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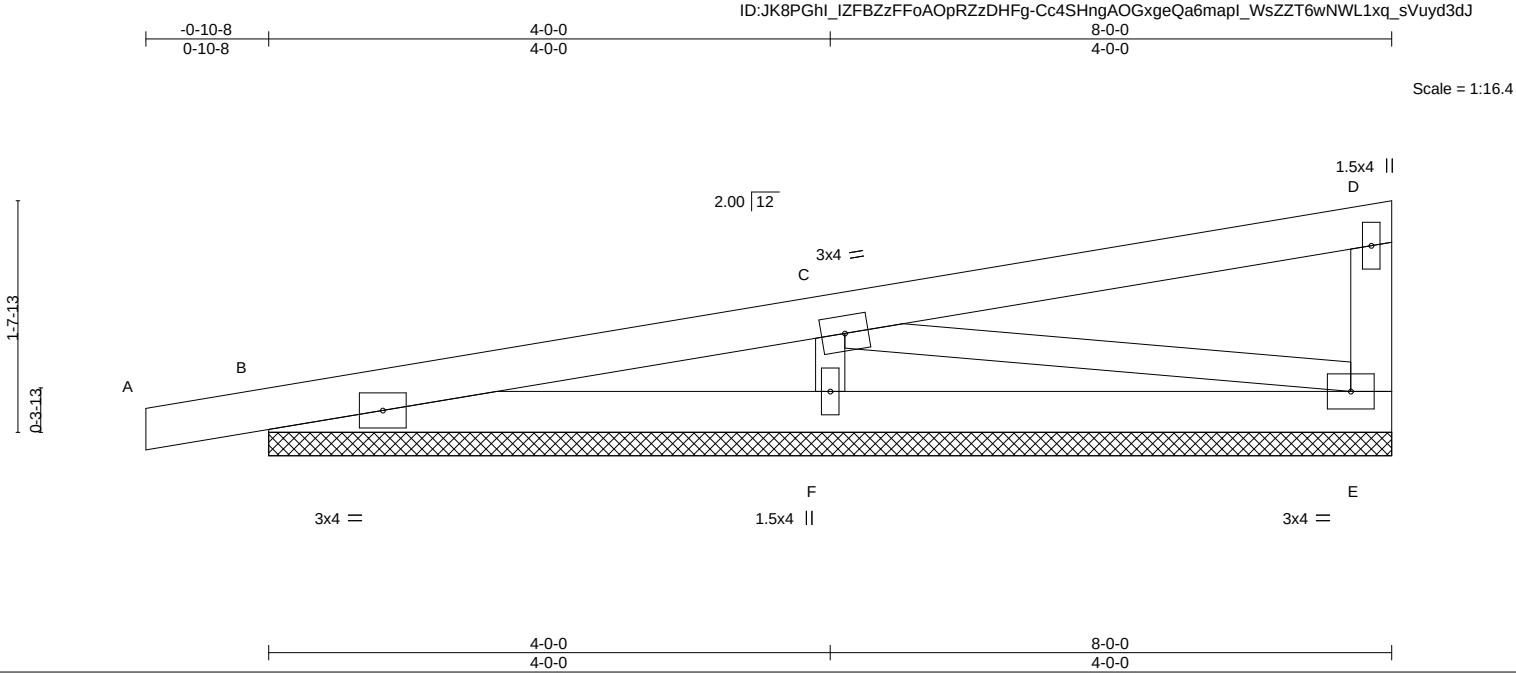


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.00	A	n/r	120	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.22	Vert(CT)	0.00	A	n/r	90		
TCDL	12.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	-0.00	F	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 24 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
D-E: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-8-15 oc bracing.

REACTIONS. (size) E=8-0-0, B=8-0-0, F=8-0-0
Max Horz B=43(LC 35)
Max Uplift E=-152(LC 34), B=-244(LC 33), F=-312(LC 41)
Max Grav E=243(LC 29), B=375(LC 30), F=659(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1169/1151, C-D=-964/938
BOT CHORD B-F=-1055/1046, E-F=-665/655
WEBS C-F=-561/361, C-E=-760/769

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) E=152, B=244, F=312.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 8-0-0 for 240.0 plf.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

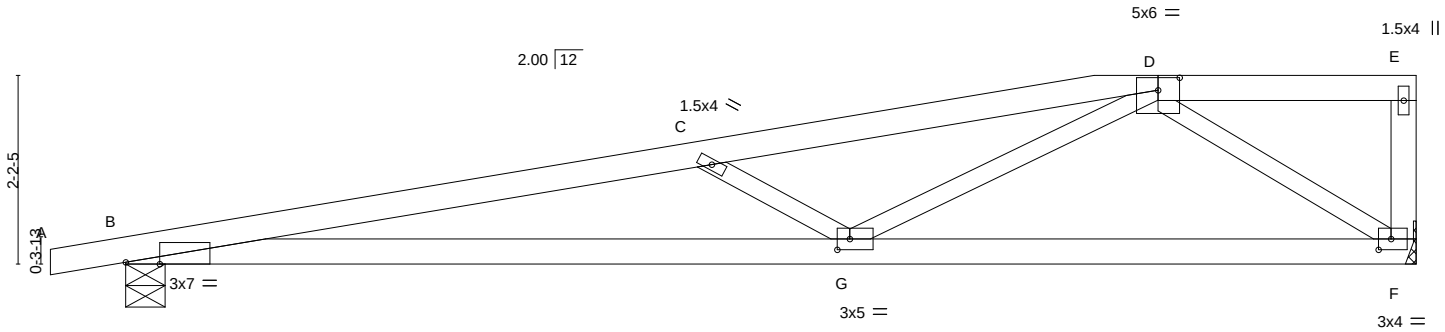
PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	P2	Half Hip	1	1	U1531740
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:22 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-Cc4SHngAOGxgeQa6mapI_WsTbT0NNTC1xq_sVuyd3dJ

-0-10-8 | 6-9-12 | 12-0-0 | 15-0-0
0-10-8 | 6-9-12 | 5-2-4 | 3-0-0

Scale = 1:26.8



8-5-0 | 15-0-0
8-5-0 | 6-7-0

Plate Offsets (X,Y)-- [B:0-4-12,Edge], [D:0-3-0,0-1-12], [F:0-1-12,0-1-8], [G:0-1-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	-0.22	G-J	>802	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.39	G-J	>457	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.04	F	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.09	G-J	>999	240	Weight: 45 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
E-F: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) B=0-5-8, F=Mechanical
Max Horz B=59(LC 9)
Max Uplift B=-115(LC 6), F=-89(LC 6)
Max Grav B=971(LC 28), F=735(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-3076/331, C-D=-2303/195
BOT CHORD B-G=-330/3015, F-G=-113/968
WEBS C-G=-930/193, D-G=-68/1436, D-F=-1150/160

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) F except (jt=lb) B=115.
10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

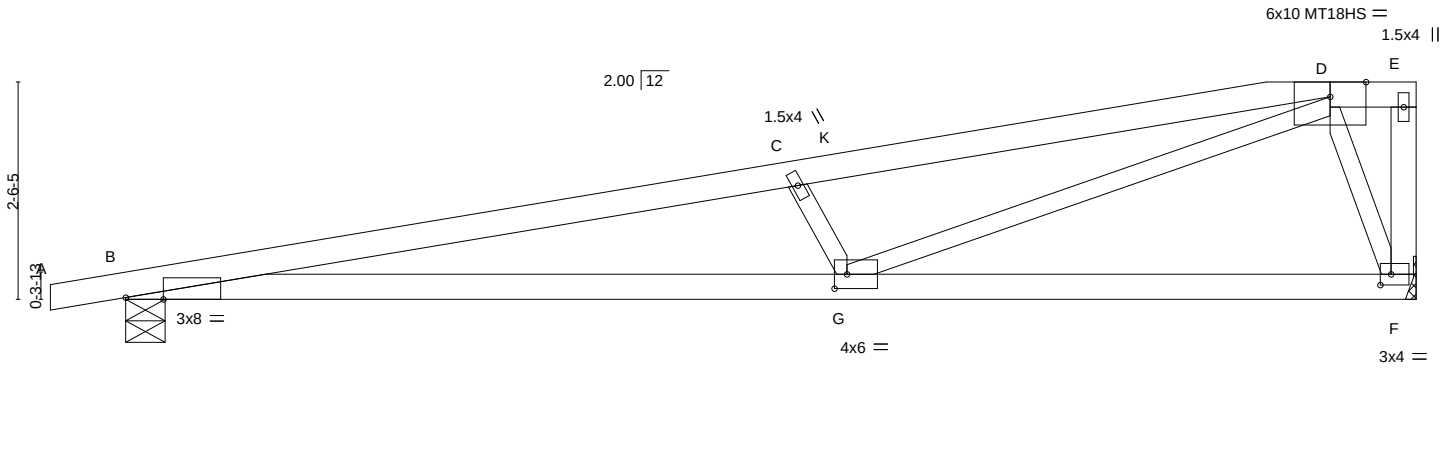
PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	P3	Half Hip	1	1	U1531741
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:23 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-goeqU7ho9Z3XGa9IKHKXWjPbzsJK6qcBAUkQ2Lyd3dI

-0-10-8 | 7-9-12 | 14-0-0 | 15-0-0
0-10-8 | 7-9-12 | 6-2-4 | 1-0-0

Scale = 1:26.8



8-4-10 | 15-0-0
8-4-10 | 6-7-6

Plate Offsets (X,Y)-- [B:0-5-4,Edge], [F:0-1-8,0-1-8], [G:0-1-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	-0.31	G-J	>583	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.51	G-J	>349	240	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.03	F	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.12	G-J	>999	240	Weight: 45 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
E-F: 2x4 SPF No.2

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

REACTIONS. (size) B=0-5-8, F=Mechanical
Max Horz B=70(LC 9)
Max Uplift B=-114(LC 6), F=-89(LC 6)
Max Grav B=986(LC 28), F=843(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2928/288, C-D=-2619/250
BOT CHORD B-G=-292/2862, F-G=-31/366
WEBS C-G=-745/160, D-G=-206/2340, D-F=-993/154

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) F except (jt=lb) B=114.
11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

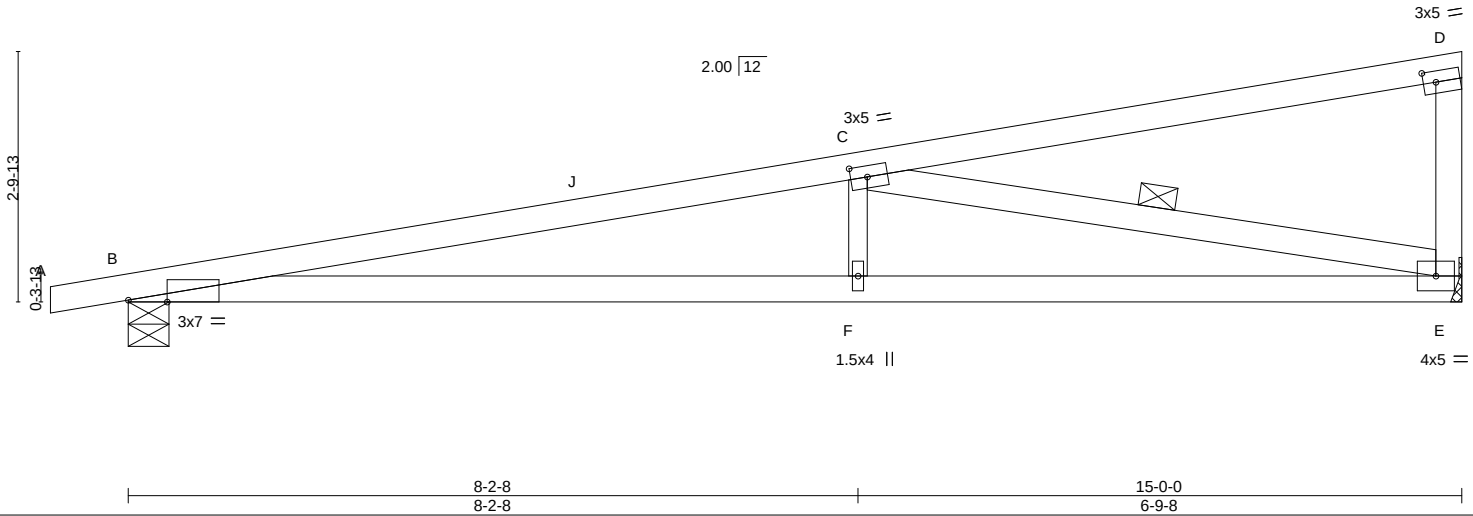
PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	P4	Monopitch	10	1	U1531742
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:23 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-goeqU7ho9Z3XGa9IKHKXWjPcYsLo6tiBAUkQ2Lyd3dI

-0-10-8 / 0-10-8 | 8-2-8 / 8-2-8 | 15-0-0 / 6-9-8

Scale = 1:25.9



8-2-8 / 8-2-8 | 15-0-0 / 6-9-8

Plate Offsets (X,Y)-- [B:0-5-4,Edge], [C:0-2-4,0-1-8], [D:0-1-11,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.24	F-I	>736	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.44	F-I	>402	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.05	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.13	F-I	>999	240	Weight: 46 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF 2100F 1.8E
WEBS 2x4 SPF No.2 *Except*
C-F: 2x3 SPF No.2

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

REACTIONS. (size) E=Mechanical, B=0-5-8
Max Horz B=78(LC 9)
Max Uplift E=-91(LC 10), B=-114(LC 6)
Max Grav E=840(LC 17), B=834(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2622/269, D-E=-263/60
BOT CHORD B-F=-276/2564, E-F=-276/2564
WEBS C-F=0/338, C-E=-2543/292

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 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.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) E except (jt=lb) B=114.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	PA1	GABLE	1	1	U1531743
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:24 2024 Page 1
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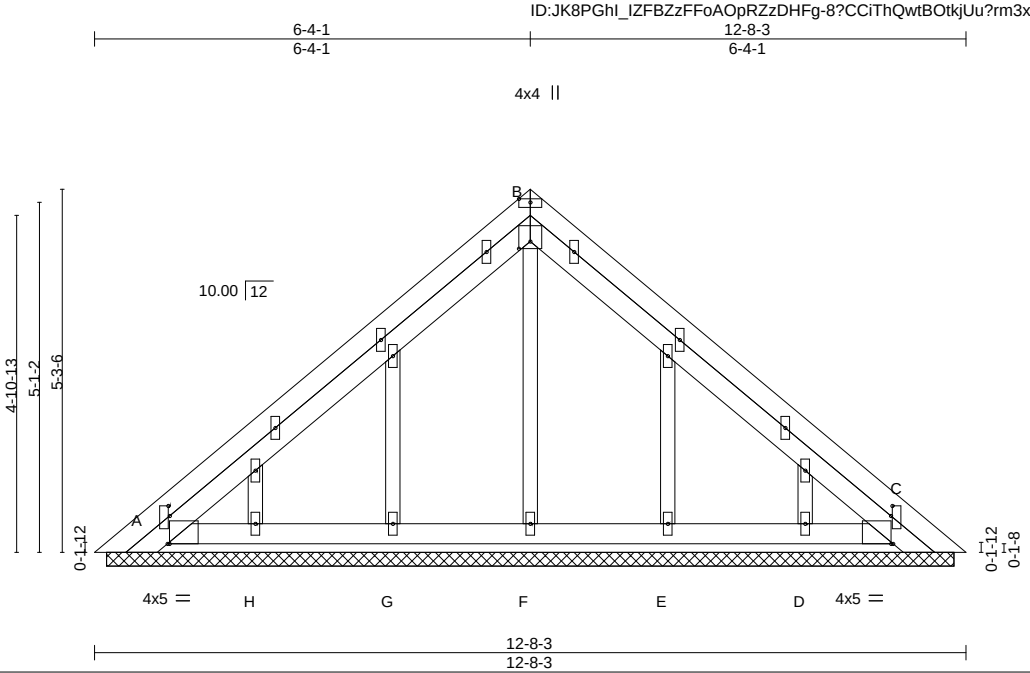

Plate Offsets (X,Y)-- [A:0-0-6,0-0-0], [A:0-1-12,0-0-4], [B:0-1-4,0-2-0], [C:0-1-12,0-0-4], [C:0-0-6,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.39	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS							Weight: 57 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x3 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. All bearings 12-3-15.
(lb) - Max Horz A=-87(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) A, C, F, G, H, D
Max Grav All reactions 250 lb or less at joint(s) A, C, G, H, E, D except F=322(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-F=-263/43

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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) A, C, F, G, H, D.
10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) No notches allowed in overhang and 0 from left end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	PA2	Piggyback	12	1	U1531744
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:24 2024 Page 1
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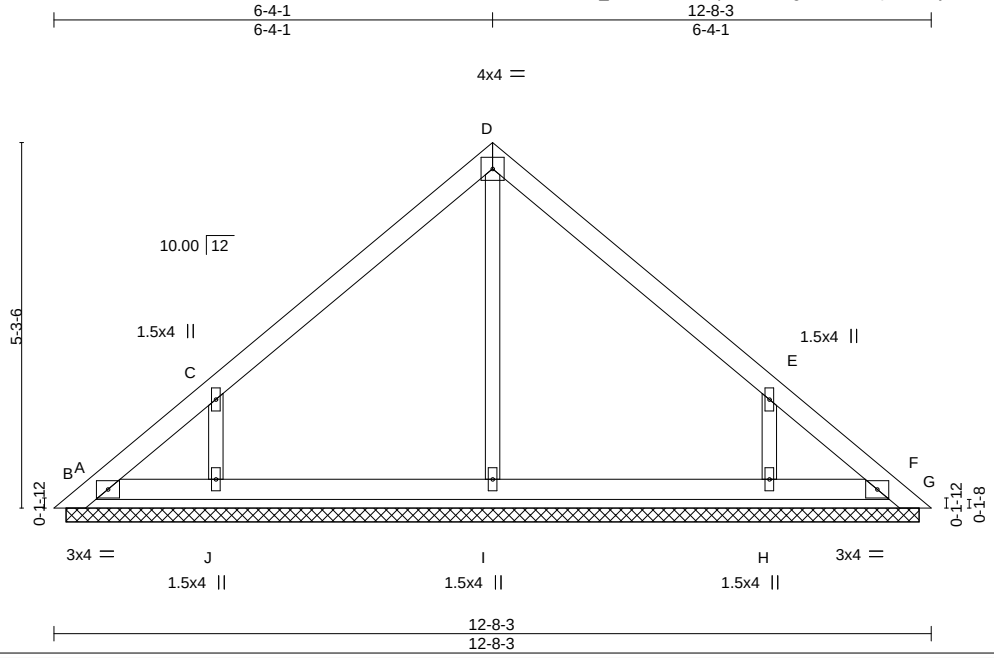

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	G	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 38 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x3 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. All bearings 12-3-15.
(lb) - Max Horz A=99(LC 5)
Max Uplift All uplift 100 lb or less at joint(s) A, G, F except J=-135(LC 8), H=-134(LC 9)
Max Grav All reactions 250 lb or less at joint(s) A, G, B, F except I=265(LC 1), J=358(LC 16), H=357(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS C-J=-292/169, E-H=-291/168

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, G, F except (jt=lb) J=135, H=134.
7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

September 17,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRCNC20240278

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	RM1	RAFTER	1	2	U1531745
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.810 s May 16 2024 MiTek Industries, Inc. Tue Sep 17 10:15:18 2024 Page 1
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-1-6-0 6-5-11 8-3-8
1-6-0 6-5-11 1-9-13

Scale = 1:18.7

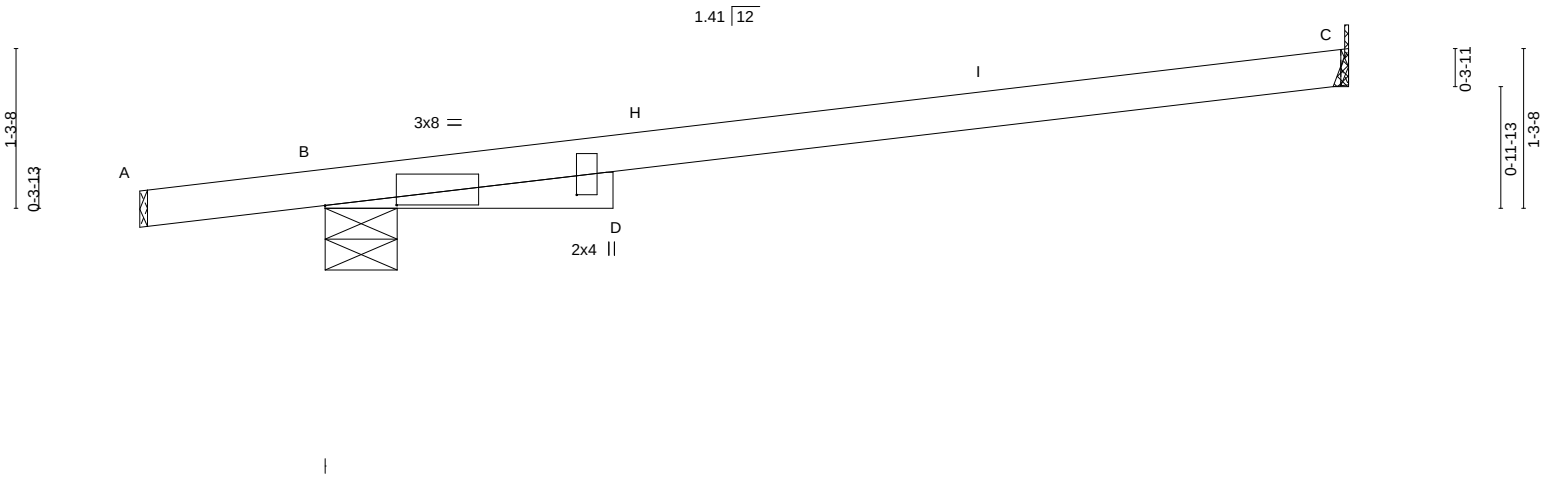

Plate Offsets (X,Y)-- [B:0-6-15,0-0-1], [B:0-1-1,2-0-7]

LOADING (psf)		SPACING-	1-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	-0.21	D	>472	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.38	D	>263	240		
TCDL	12.0	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	B	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MP		Wind(LL)	0.10	D	>984	240	Weight: 28 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E
BOT CHORD 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. (size) C=Mechanical, B=0-7-0
Max Horz B=18(LC 27)
Max Uplift C=-33(LC 10), B=-56(LC 6)
Max Grav C=318(LC 17), B=495(LC 17)

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

NOTES-
1) 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 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.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SPF No.2 crushing capacity of 425 psi.
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint C and 56 lb uplift at joint B.
12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 64 lb down and 18 lb up at 2-8-2, 292 lb down and 37 lb up at 2-9-7, and 92 lb down at 5-5-13, and 59 lb down and 23 lb up at 5-5-13 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: A-C=-37, D-E=-10

Concentrated Loads (lb)

Vert: H=-307(B=-39) I=-73(F=-38, B=-34)

Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	VD1	Valley	1	1	U1531746
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:25 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-cBlbvpi2hBJFVuIhRiM?b8U8eg5KawfTdoDX6Dyd3dG

2-7-0 5-2-0
2-7-0 2-7-0

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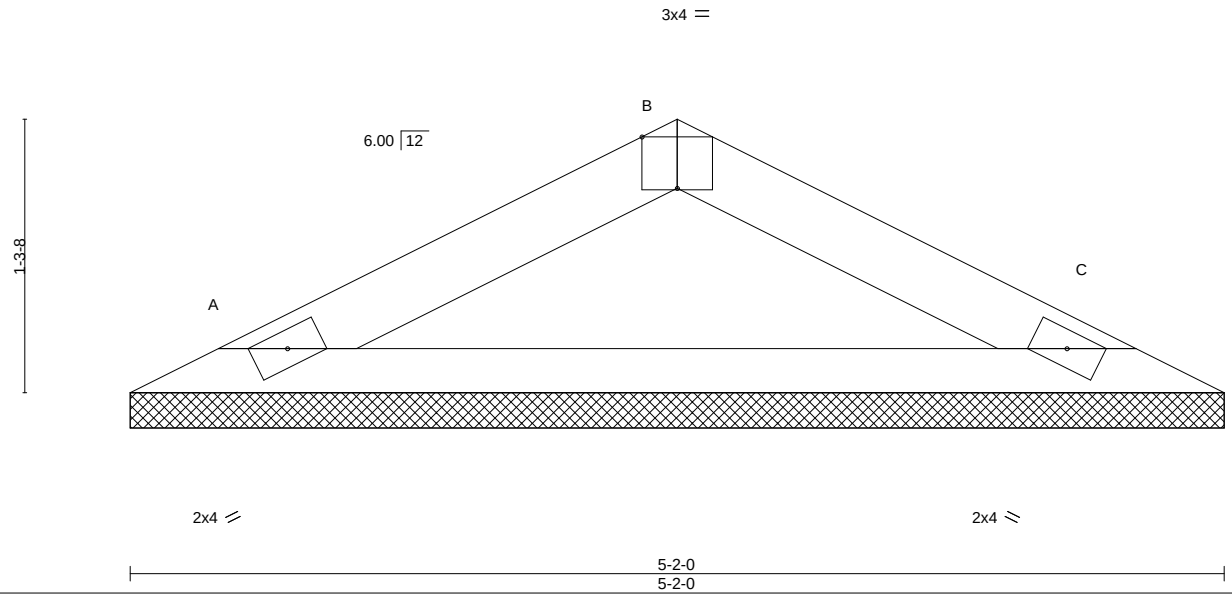

Plate Offsets (X,Y)-- [B:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.37	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 10 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) A=5-2-0, C=5-2-0
Max Horz A=13(LC 14)
Max Uplift A=-16(LC 10), C=-16(LC 11)
Max Grav A=213(LC 16), C=213(LC 17)

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

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) Gable requires continuous bottom chord bearing.
5) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C.
8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

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Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	VG1	Valley	2	1	U1531747
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:26 2024 Page 1
ID:JK8PGhI_IZFBZzFFoAOpRZzDHFg-4NJz68jgSUR572tt?QtE8M1Ju4SFJNvdsSy4efyd3dF

2-3-4 / 2-3-4 — 4-6-8 / 2-3-4

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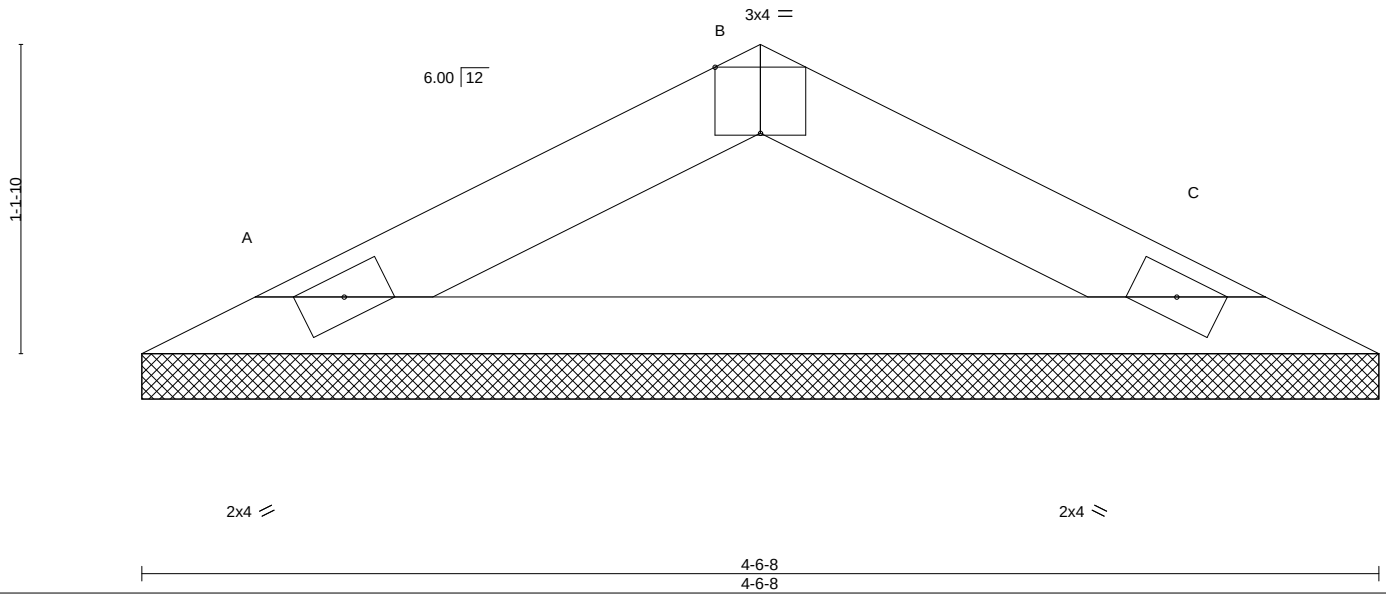

4-6-8 / 4-6-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.26	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 8 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) A=4-6-8, C=4-6-8
Max Horz A=11(LC 14)
Max Uplift A=-13(LC 10), C=-13(LC 11)
Max Grav A=178(LC 16), C=178(LC 17)

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

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) Gable requires continuous bottom chord bearing.
5) 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C.
8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

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Job	Truss	Truss Type	Qty	Ply	Clubhouse
N0652A	VK1	Valley	1	1	U1531748
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Mon Sep 16 11:43:26 2024 Page 1
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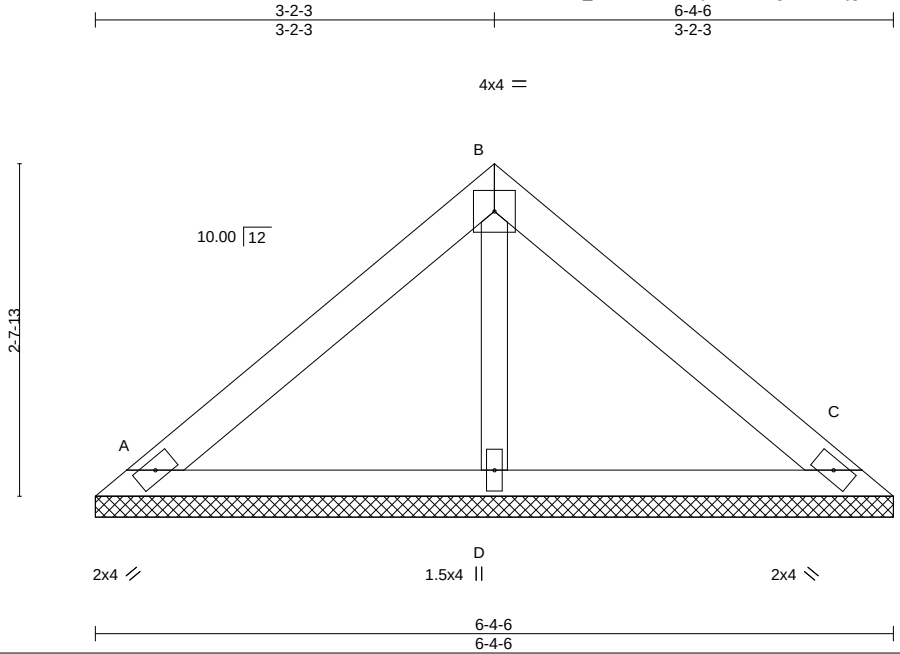

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.13	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 16 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x3 SPF No.2
OTHERS 2x3 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. (size) A=6-4-6, C=6-4-6, D=6-4-6
Max Horz A=46(LC 5)
Max Uplift A=-25(LC 9), C=-30(LC 9)
Max Grav A=158(LC 1), C=158(LC 1), D=215(LC 1)

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

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C.
7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

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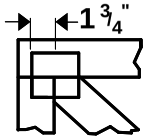
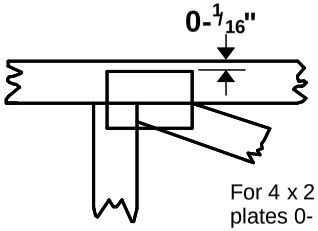
Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

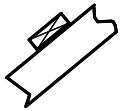
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

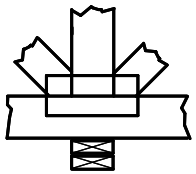
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

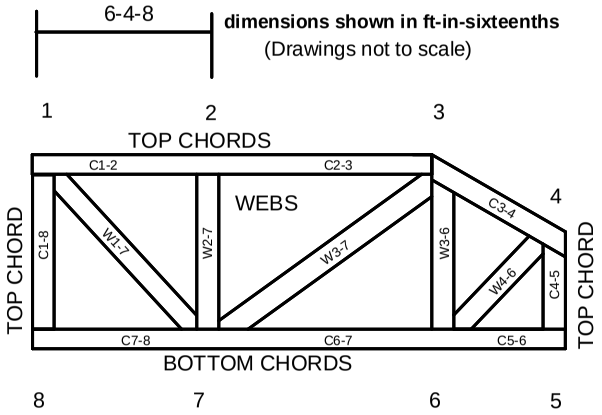


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

MiTek Engineering Reference Sheet: MII-7473 rev. 6/30/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.