



BRADLEY HEIGHTS SS LLC

BRADLEY HEIGHTS APARTMENTS BUILDINGS 'A' Through 'H' 202 27th Avenue SE Puyallup, WA

SUBMITTAL #2

Alliance Job # N0653

Date: Sept. 16, 2024

Representative: Craig Westerberg



MiTek Canada, Inc.

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

Re: N0653A

Buildings A-H

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: U1530820 thru U1530901

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



September 12, 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.



MiTek Canada, Inc.

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

Re: N0653A

Buildings A-H

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: U1530772 thru U1530819

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



September 12, 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.

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530772
N0653A	A1	GABLE	7	1	Job Reference (optional)	

Alliance Truss (CA),

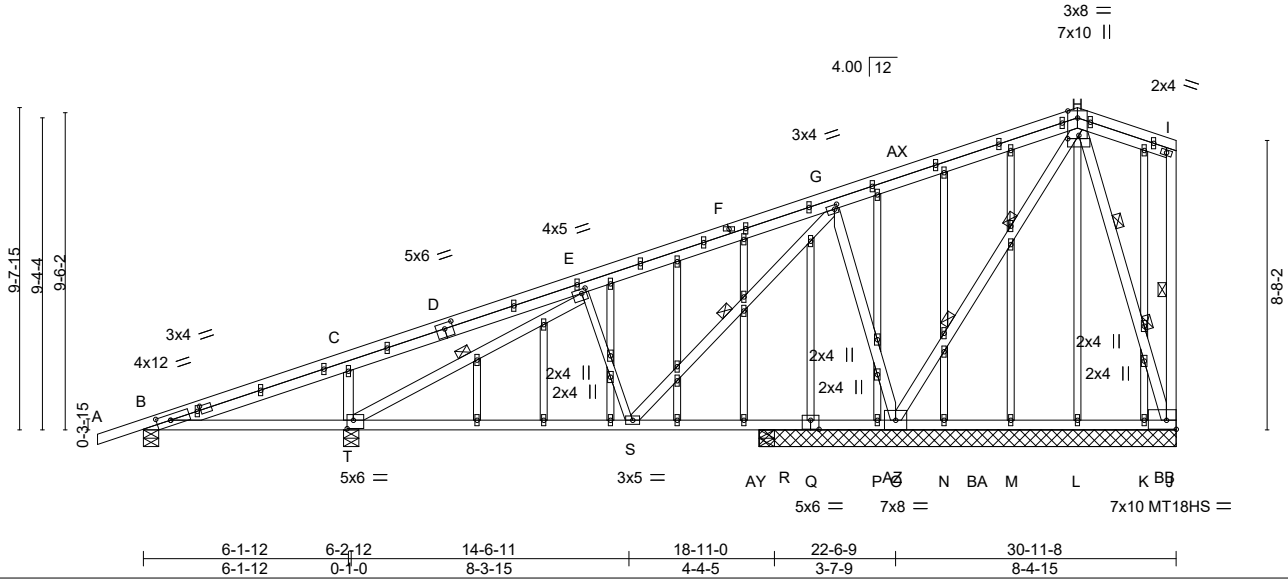
Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:22 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKwRCDoi7J4zJC?f

1-4-8	6-1-12	13-2-13	20-8-9	28-0-0	30-11-8
1-4-8	6-1-12	7-1-1	7-5-12	7-3-7	2-11-8

Scale = 1:69.1



PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A1	GABLE	7	1		U1530772
						Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:23 2024 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

- NOTES-**
- 13) 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 18-5-8 to 30-11-8 for 594.4 plf.
- 14) No notches allowed in overhang and 10408 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.

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A2	Common	28	1		U1530773
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:23 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f
20-8-9 28-0-0 30-11-8
-1-4-8 6-1-12 13-2-13 7-5-12 7-3-7 2-11-8
1-4-8 6-1-12 7-1-1

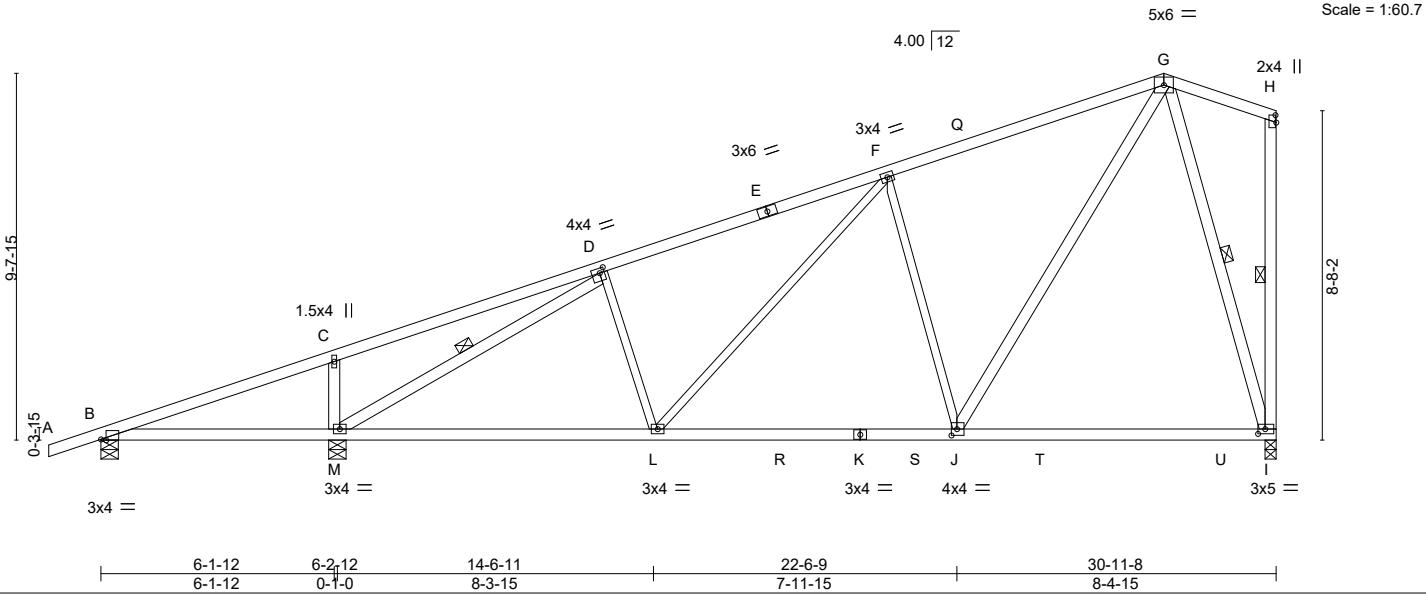


Plate Offsets (X,Y)--	[B:0-1-10,Edge], [D:0-1-8,0-1-8], [H:0-2-5,0-0-4], [I:0-2-4,0-1-8], [J:0-1-12,0-2-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.84	Vert(LL)	-0.23	I-J	>999	360	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.80	Vert(CT)	-0.37	I-J	>800	240		
TCDL 12.0	Rep Stress Incr	YES	WB 1.00	Horz(CT)	0.04	I	n/a	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.04	J-L	>999	240		
BCDL 10.0									Weight: 134 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SPF No.2 *Except*	6-0-0 oc bracing: B-M.
D-L,F-L,F-J: 2x3 SPF No.2	WEBS 1 Row at midpt D-M, H-I, G-I

REACTIONS.	(size) B=0-5-8, M=0-5-8, I=0-3-8
Max Horz B=276(LC 9)	
Max Uplift B=-48(LC 6), M=-200(LC 10), I=-135(LC 6)	
Max Grav B=300(LC 1), M=1668(LC 3), I=1254(LC 3)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	D-F=-1523/194, F-G=-1101/187
BOT CHORD	L-M=-179/1377, J-L=-126/1136, I-J=-87/337
WEBS	C-M=-513/167, D-M=-1746/193, F-L=-48/388, F-J=-782/218, G-J=-150/1234, G-I=-1135/137

- 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) TCDL: 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, 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 except (jt=lb) M=200, I=135.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

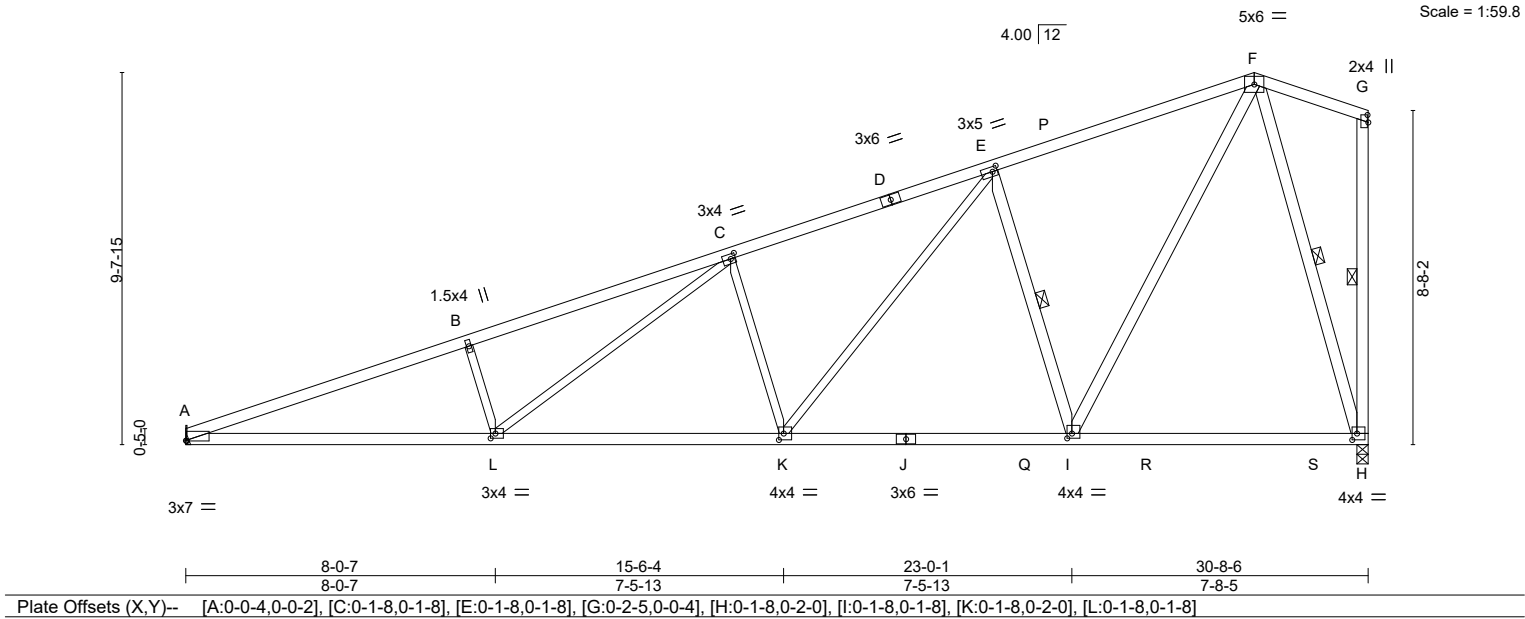
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530820
N0653A	A3	Common	5	1	Job Reference (optional)	

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,
8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:57 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-vz5Z0lyb6AhmTLfrZVJ67B8yBDzpGD1DDm9qWvyeVrG
20-11-5
27-8-14
30-8-6
2-11-8



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.23 K-L	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.42 K-L	>866	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.08 H	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.12 K-L	>999	240	Weight: 131 lb	FT = 20%
BCDL	10.0										

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
	A-J: 2x4 SPF 2100F 1.8E	WEBS	1 Row at midpt E-I, G-H, F-H
WEBS	2x4 SPF No.2 *Except*		
	B-L,C-L,C-K,E-K: 2x3 SPF No.2		

REACTIONS. (size) A=Mechanical, H=0-3-8
Max Horz A=267(LC 9)
Max Uplift A=-160(LC 6), H=-174(LC 6)
Max Grav A=1510(LC 3), H=1568(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-3666/396, B-C=-3552/421, C-E=-2448/316, E-F=-1332/215
BOT CHORD A-L=-460/3419, K-L=-303/2468, I-K=-151/1509, H-I=-88/433
WEBS B-L=-491/167, C-L=-141/1068, C-K=-815/207, E-K=-156/1253, E-I=-1223/264, F-I=-201/1661, F-H=-1472/172

- NOTES-**
- 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
 - 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
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=160, H=174.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

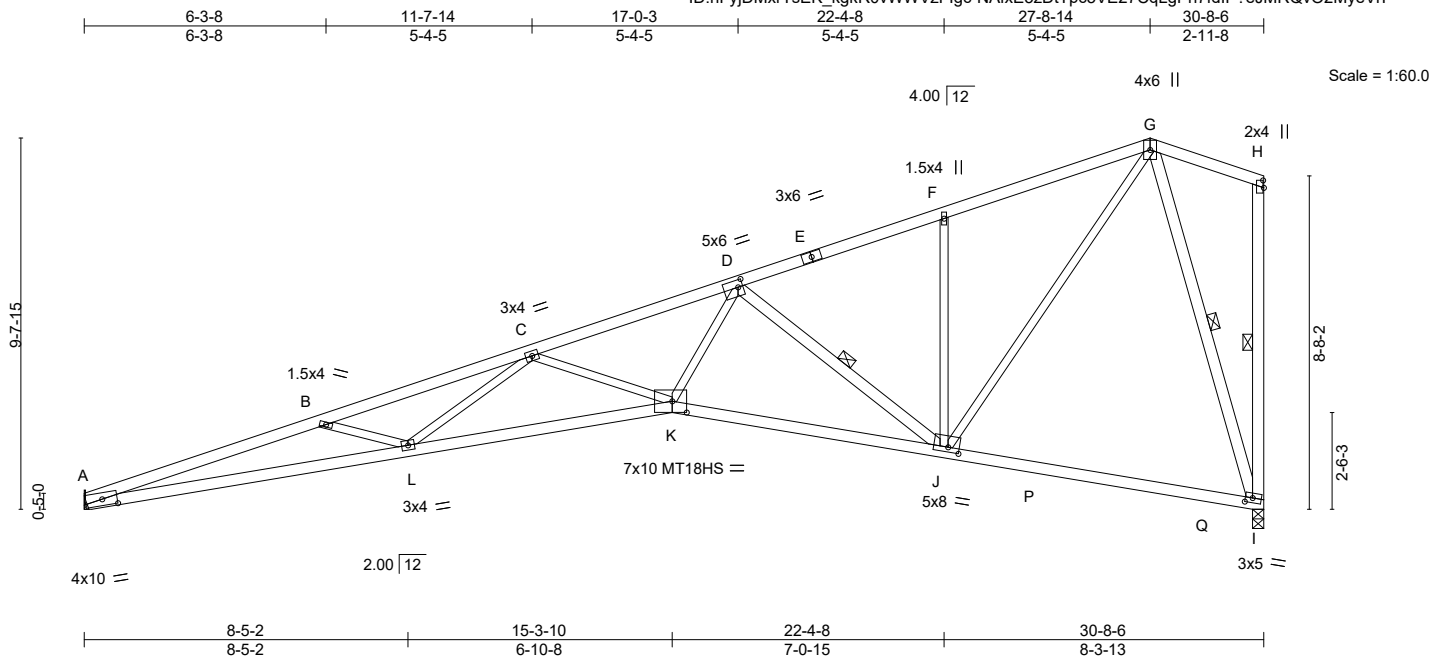
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A3A	Scissor	30	1	Job Reference (optional)	U1530821

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ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-NAfxE5zDtTpc5VE27CqLgPh7fdIP?eJMRQvO2MyeVrF



	0-1	0-2	0-3	0-4
Plate Offsets (X,Y)--	[A:0-4-11,0-2-0], [D:0-1-8,0-2-4]	[H:0-2-5,0-0-4], [I:0-2-4,0-1-8]	[J:0-3-8,0-1-8]	[K:0-4-8,0-3-8]

LOADING (psf)		SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)		Plate Grip DOL 1.15	TC 0.71	Vert(LL) -0.57 K-L >639 360	MT20	197/144
TCDL 12.0		Lumber DOL 1.15	BC 0.84	Vert(CT) -1.04 K-L >351 240	MT18HS	197/144
BCLL 0.0 *		Rep Stress Incr YES	WB 0.77	Horz(CT) 0.43 I n/a n/a		
BCDL 10.0		Code IBC2018/TPI2014	Matrix-MS	Wind(LL) 0.31 K-L >999 240	Weight: 124 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2 *Except* A-E: 2x4 SPF 2100F 1.8E	TOP CHORD	Structural wood sheathing directly applied or 2-3-6 oc purlins, except end verticals.
BOT CHORD	2x4 SPF 2100F 1.8E	BOT CHORD	Rigid ceiling directly applied or 8-3-13 oc bracing.
WEBS	2x3 SPF No.2 *Except* D-J, H-I, G-I: 2x4 SPF No.2	WEBS	1 Row at midpt D-J, H-I, G-I

REACTIONS. (size) A=Mechanical, I=0-3-8
 Max Horz A=268(LC 9)
 Max Uplift A=-160(LC 6), I=-174(LC 6)
 Max Grav A=1496(LC 3), I=1541(LC 3)

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

TOP CHORD	A-B=6536/821, B-C=6142/686, C-D=4578/532, D-F=-1696/209, F-G=-1723/270
BOT CHORD	A-L=-887/6230, K-L=-705/5293, J-K=-394/3304, I-J=-98/475
WEBS	B-L=456/187, C-L=-4/776, C-K=-1007/216, D-K=-229/2254, D-J=-2182/333, F-J=-504/147, G-J=-253/2028, G-L=-1485/166

NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TC DL=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) TCDL: 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) All plates are MT20 plates unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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) Refer to girder(s) for truss to truss connections.
- 8) Bearing at joint(s) I considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=160, I=174.
- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI



September 12, 2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE

Design valid for use only with MITEk® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building**

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



240 Stirling Crescent
Bradford, ON, L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A4	Common	30	1	Job Reference (optional)	U1530822

Structural diagram of a roof truss system. The diagram shows a series of truss members and joints. Key dimensions and labels include:

- Overall height: 9'-7" to 15'-0"
- Overall width: 8'-6" to 2'-0"
- Member labels: 3x8, 1.5x4, 3x5, 3x4, 3x6, 3x5, 4x4, 3x6, 4x4, 5x6, 2x4, 4x4.
- Joint labels: A, B, C, D, E, F, G, H, I, J, K, L, Q, R, S.
- Scale: 1:59.9

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2 *Except*		
	A-J: 2x4 SPF 2100F 1.8E	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SPF No.2 *Except*	WEBS	1 Row at midpt E-I, G-H, F-H
	B-L, C-L, C-K, E-K: 2x3 SPF No.2		

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

TOP CHORD	A-B=-3719/402, B-C=-3606/427, C-E=-2460/317, E-F=-1337/216
BOT CHORD	A-L=-465/3472, K-L=-305/2483, I-K=-152/1515, H-I=-88/434
WEBS	B-L=-503/168, C-L=-146/1113, C-K=-826/208, E-K=-157/1262, E-I=-1229/265, F-I=-201/1669, F-H=-1477/172

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 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, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=161, H=175.
- 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



PRMU20240284 - BLDG C

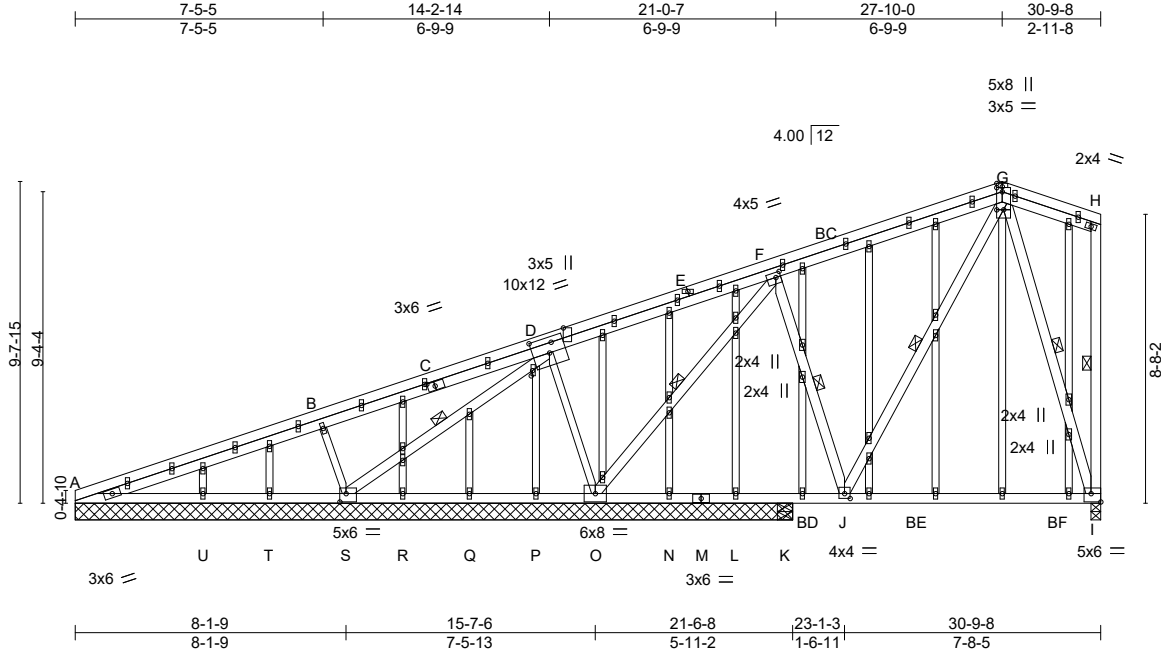
Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530823
N0653A	A5	GABLE	5	1		

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:00 2024 Page 1

ID:hFyJDMxrTsEK_kgkR0vWWVzFlgc-JYnhem_UP53KKpOQFdsplqmS0Q1WTXWfVkuOU7EyeVrD



Scale = 1:69.2

Plate Offsets (X,Y)-- [C:0-2-11,0-1-8], [D:0-6-0,0-5-8], [D:0-1-14,0-0-8], [D:0-5-3,Edge], [F:0-1-12,0-1-12], [G:0-1-8,0-2-0], [G:0-2-8,0-0-1], [G:0-2-0,Edge], [I:Edge,0-3-0], [J:0-2-0,0-1-12], [S:0-2-4,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.79	Vert(LL)	-0.17	I-J	>679	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.61	Vert(CT)	-0.26	I-J	>427		
TCDL 12.0	Lumber DOL 1.15	WB 0.86	Horz(CT)	-0.02	N	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Wind(LL)	0.03	I-J	>999		
BCDL 10.0	Code IBC2018/TPI2014						Weight: 223 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
B-S,D-O: 2x3 SPF No.2
OTHERS 2x3 SPF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-10-7 oc bracing.
WEBS 1 Row at midpt D-S, F-O, F-J, G-J, H-I, G-I

REACTIONS.

All bearings 21-6-8 except (jt=length) I=0-3-8, K=0-5-8.
(lb) - Max Horz A=298(LC 38)
Max Uplift All uplift 100 lb or less at joint(s) T, U except S=-1694(LC 31), O=-1065(LC 31), I=-1279(LC 32), A=-840(LC 31), K=-116(LC 18)
Max Grav All reactions 250 lb or less at joint(s) L, N, P, Q, R, T, U, K except S=1772(LC 52), O=1663(LC 28), I=1646(LC 25), A=920(LC 52), A=276(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2591/2424, B-D=-957/932, D-F=-1614/1540, F-G=-1708/1570, G-H=-750/788
BOT CHORD A-U=-2089/1978, T-U=-1312/1201, S-T=-547/515, R-S=-1794/1683, Q-R=-1210/1101, P-Q=-524/415, O-P=-996/887, N-O=-746/884, L-N=-873/979, K-L=-1381/1447, J-K=-1381/1447, I-J=-450/468
WEBS B-S=-571/218, D-S=-2554/2513, D-O=-933/949, F-O=-2375/2163, F-J=-1136/1263, G-J=-1255/1387, G-I=-1543/1354

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) 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) T, U except (jt=lb) S=1694, O=1065, I=1279, A=840, K=116, A=840.
- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 11) 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

Continuous load on bottom chord from 0-0-0 to 21-6-8 for 343.1 plf.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.

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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



September 12, 2024



240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A5	GABLE	5	1		U1530823
						Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:00 2024 Page 2

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-JYnhem_UP53KKpOQFdsplqmS0Q1WTXWfvkOU7EyeVrD

- NOTES-**
- 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.

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A6	Common	2	1	Job Reference (optional)	U1530824

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:01 2024 Page 1
 ID:hFyjDMxrTsEK_kgkR0vWVWzFgC-niL3s6?6A0BBYzydoLN21JdLqOfCy0p7O72fgyeVrC
 5-0-4 12-3-2 19-6-0 26-8-14 29-8-6
 5-0-4 7-2-14 7-2-14 7-2-14 2-11-8

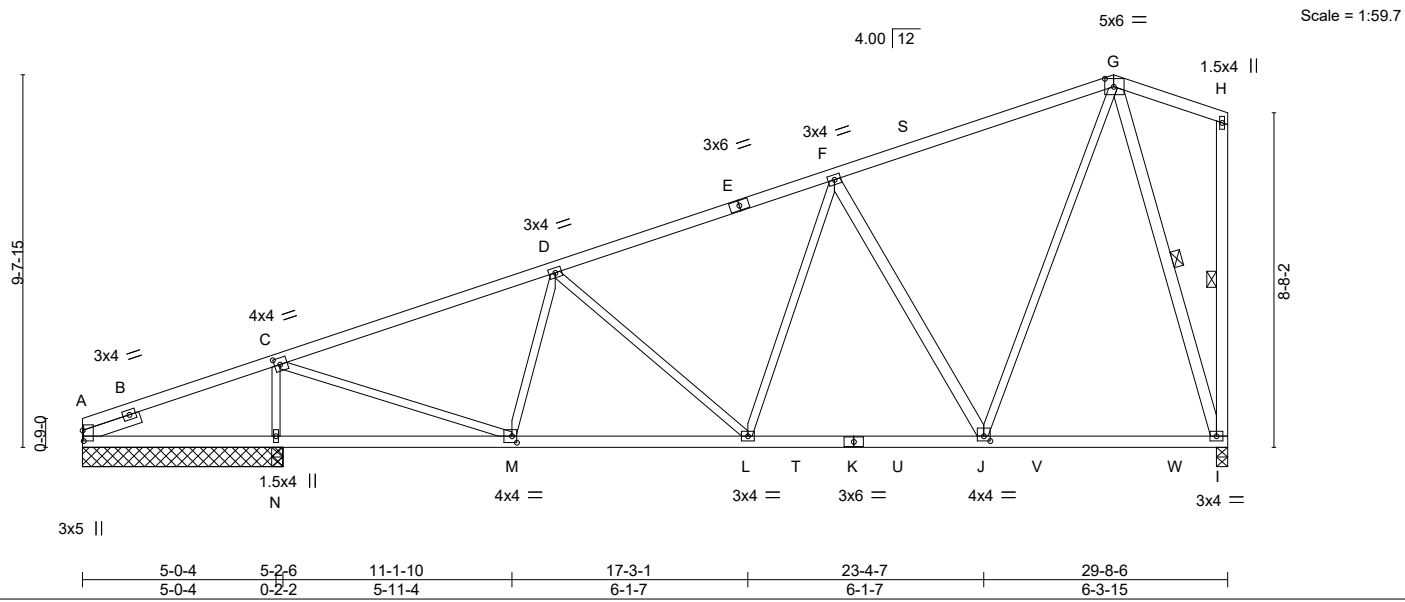


Plate Offsets (X,Y)--								
[A:0-3-5,0-0-6], [C:0-1-12,0-2-0], [G:0-2-12,0-2-8], [J:0-2-0,0-1-8], [M:0-1-8,0-2-0]								
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc) l/defl L/d	PLATES GRIP
TCLL 25.0 (Roof Snow=25.0)		Plate Grip DOL	1.15	TC 0.81		Vert(LL) -0.08 I-J >999	360	MT20 197/144
TCDL 12.0		Lumber DOL	1.15	BC 0.55		Horz(CT) -0.14 L-M >999	240	
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.97		Wind(CT) 0.03 I n/a	n/a	
BCDL 10.0		Code IBC2018/TPI2014		Matrix-MS		Wind(LL) 0.04 L-M >999	240	Weight: 130 lb FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 4-2-4 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2		
WEBS	2x3 SPF No.2 *Except* F-J, H-I, G-I: 2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
	Left 2x4 SPF No.2 1-7-0	WEBS	1 Row at midpt H-I, G-I

REACTIONS. All bearings 5-2-6 except (jt=length) I=0-3-8.
 (lb) - Max Horiz A=253(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) except N=-186(LC 6), I=-156(LC 6)
 Max Grav All reactions 250 lb or less at joint(s) A, A except N=1548(LC 3), N=1463(LC 1), I=1241(LC 3)

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

TOP CHORD	C-D=-1470/90, D-F=-1363/113, F-G=-834/90
BOT CHORD	L-M=-264/1390, J-L=-186/1109, I-J=-52/342
WEBS	C-N=-1344/232, C-M=-94/1385, D-M=-327/100, D-L=-271/101, F-L=-10/409, F-J=-859/198, G-J=-111/1073, G-I=-1171/186

- 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 exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) TCELL: 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 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, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 186 lb uplift at joint N and 156 lb uplift at joint I.
 - 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024

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240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A7	Scissor	14	1		U1530825
Job Reference (optional)						

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:01 2024 Page 1
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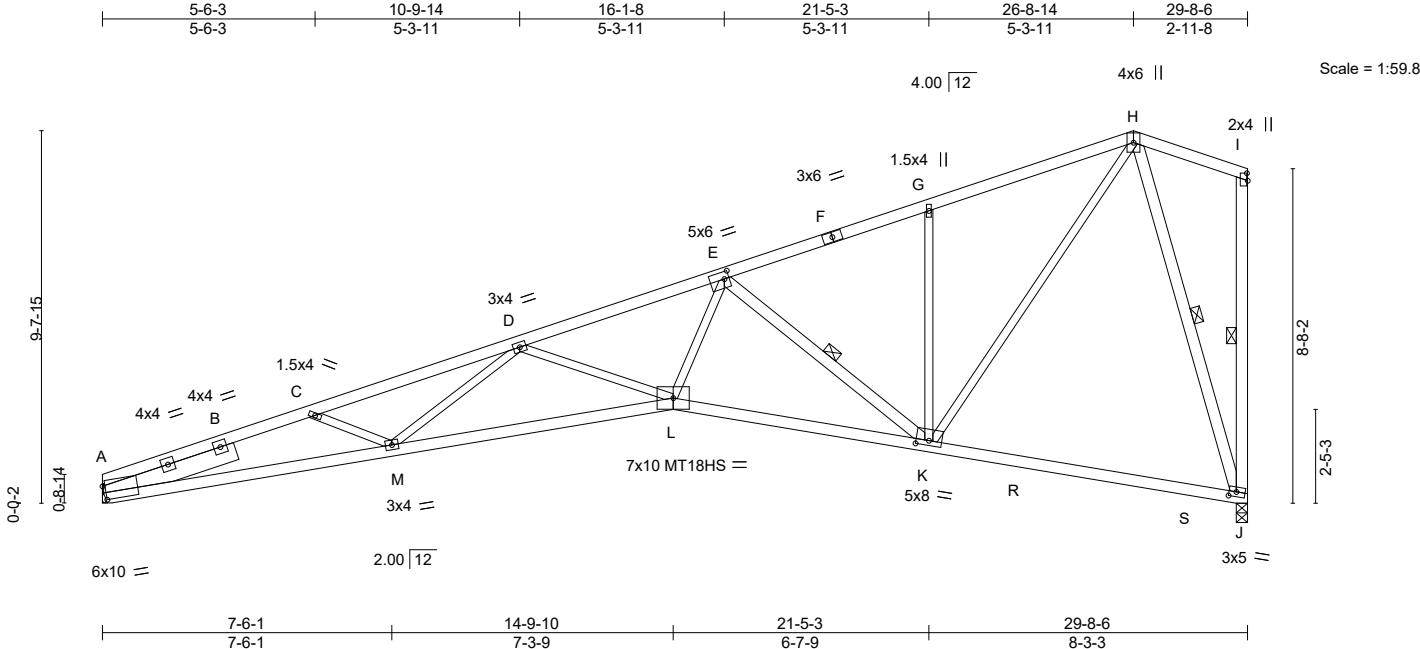


Plate Offsets (X,Y)--	[A:0-0-12,0-4-6], [E:0-1-8,0-2-4], [I:0-2-5,0-0-4], [J:0-2-4,0-1-8], [K:0-4-0,0-1-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP	
TCLL 25.0	Plate Grip DOL	1.15	TC 0.68	Vert(LL)	-0.41	L-M	>869	360	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.70	Vert(CT)	-0.75	L-M	>470	240	MT18HS	197/144
TCDL 12.0	Rep Stress Incr	YES	WB 0.66	Horz(CT)	0.31	J	n/a	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.21	L-M	>999	240		
BCDL 10.0									Weight: 128 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except* A-F: 2x4 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 2-6-7 oc purlins, except end verticals.
BOT CHORD 2x4 SPF 2100F 1.8E	BOT CHORD Rigid ceiling directly applied or 9-7-6 oc bracing.
WEBS 2x3 SPF No.2 *Except* E-K,I-J,H-J: 2x4 SPF No.2	WEBS 1 Row at midpt E-K, I-J, H-J
SLIDER Left 2x6 SPF No.2 3-7-10	

REACTIONS. (size) A=Mechanical, J=0-3-8
Max Horz A=264(LC 9)
Max Uplift A=-154(LC 6), J=-169(LC 6)
Max Grav A=1448(LC 3), J=1491(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-C=-4837/607, C-D=-4865/548, D-E=-3946/460, E-G=-1611/201, G-H=-1637/262
BOT CHORD A-M=-663/4569, L-M=-610/4472, K-L=-362/3067, J-K=-98/459
WEBS D-M=0/324, D-L=-789/191, E-L=-183/1864, E-K=-2001/306, G-K=-501/146, H-K=-243/1928, H-J=-1429/161

- 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) All plates are MT20 plates unless otherwise indicated.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 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) Refer to girder(s) for truss to truss connections.
 - 8) Bearing at joint(s) J considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint A and 169 lb uplift at joint J.
 - 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A8	Common	2	1		U1530826
Job Reference (optional)						

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:02 2024 Page 1
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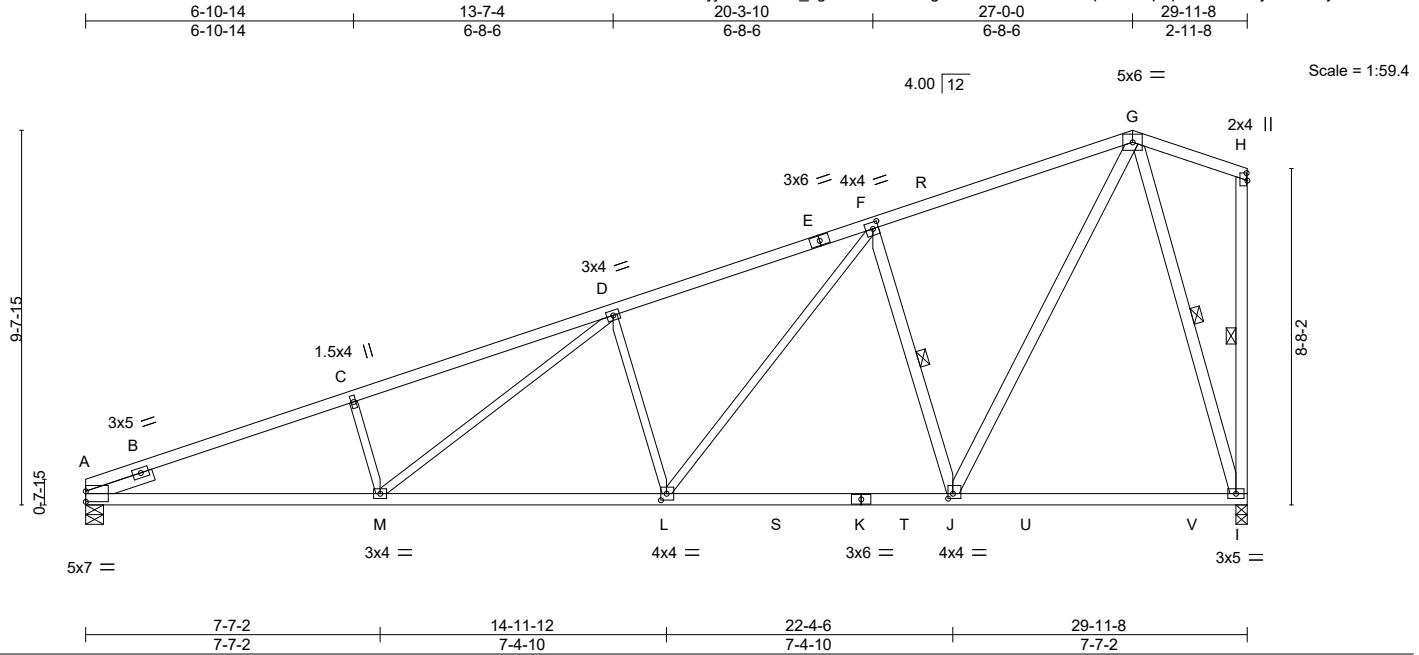


Plate Offsets (X,Y)--		[A:0-0-0,0-3-4], [F:0-1-12,0-2-0], [H:0-2-5,0-0-4], [J:0-1-8,0-1-8], [L:0-1-12,0-2-0]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	-0.21 L-M >999 360	MT20		197/144	
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.39 L-M >914 240				
TCDL	12.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.07 I n/a n/a				
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.10 L-M >999 240				
BCDL	10.0							Weight: 131 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2 *Except* A-E: 2x4 SPF 2100F 1.8E	TOP CHORD	Structural wood sheathing directly applied or 3-4-2 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2 *Except* A-K: 2x4 SPF 2100F 1.8E	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SPF No.2 *Except* C-M,D-M,D-L,F-L: 2x3 SPF No.2	WEBS	1 Row at midpt F-J, H-I, G-I
SLIDER	Left 2x4 SPF No.2 1-9-12		

REACTIONS.	
(size)	A=0-5-8, I=0-3-8
Max Horz	A=264(LC 9)
Max Uplift	A=-155(LC 6), I=-170(LC 6)
Max Grav	A=1476(LC 3), I=1532(LC 3)

FORCES.	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	A-C=-3225/352, C-D=-3137/378, D-F=-2323/303, F-G=-1277/209
BOT CHORD	A-M=-412/2999, L-M=-286/2327, J-L=-143/1444, I-J=-88/422
WEBS	C-M=-377/150, D-M=-111/766, D-L=-749/200, F-L=-149/1181, F-J=-1177/257, G-J=-193/1599, G-I=-1437/167

- 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 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, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 155 lb uplift at joint A and 170 lb uplift at joint I.
 - 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A9	Common	6	1		U1530827
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:03 2024 Page 1
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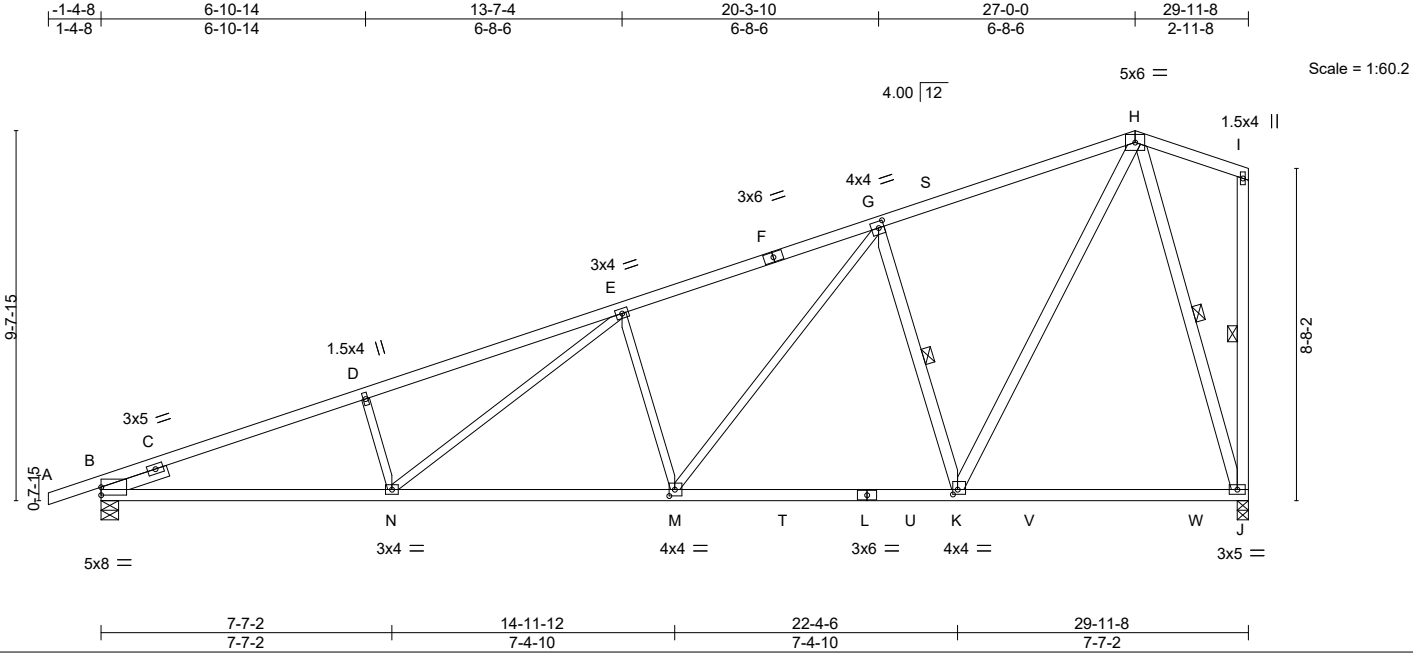


Plate Offsets (X,Y)--		[G:0-1-12,0-2-0], [K:0-1-8,0-1-8], [M:0-1-12,0-2-0]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 25.0	Plate Grip DOL	1.15	TC 0.71
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.76
TCDL 12.0	Rep Stress Incr	YES	WB 0.63
BCLL 0.0 *	Code	IBC2018/TPI2014	Matrix-MS
BCDL 10.0			
DEFL.	in (loc)	l/defl	L/d
Vert(LL)	-0.21	M-N	>999
Vert(CT)	-0.40	M-N	>900
Horz(CT)	0.07	J	n/a
Wind(LL)	0.10	M-N	>999
PLATES	GRIP		
MT20	197/144		
Weight: 133 lb	FT = 20%		

LUMBER-	BRACING-
TOP CHORD	TOP CHORD
2x4 SPF No.2 *Except*	Structural wood sheathing directly applied or 3-4-2 oc purlins, except end verticals.
A-F: 2x4 SPF 2100F 1.8E	
BOT CHORD	BOT CHORD
2x4 SPF No.2 *Except*	Rigid ceiling directly applied or 10-0-0 oc bracing.
B-L: 2x4 SPF 2100F 1.8E	
WEBS	WEBS
2x4 SPF No.2 *Except*	1 Row at midpt
D-N,E-N,E-M,G-M: 2x3 SPF No.2	G-K, I-J, H-J
SLIDER	
Left 2x4 SPF No.2 1-9-12	

REACTIONS.	(size) B=0-5-8, J=0-3-8
	Max Horz B=271(LC 6)
	Max Uplift B=-181(LC 6), J=-188(LC 6)
	Max Grav B=1563(LC 3), J=1531(LC 3)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	B-D=-3205/292, D-E=-3116/318, E-G=-2318/245, G-H=-1275/149
BOT CHORD	B-N=-486/2978, M-N=-361/2321, K-M=-216/1442, J-K=-63/422
WEBS	D-N=-369/150, E-N=-111/749, E-M=-744/200, G-M=-151/1177, G-K=-1174/258, H-K=-186/1596, H-J=-1434/223

- 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 exposed; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) TCDL: 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, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 181 lb uplift at joint B and 188 lb uplift at joint J.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A10	GABLE	2	1	U1530828 Job Reference (optional)

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:47 2024 Page 1
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LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.
BOT CHORD	2x4 SPF No.2 *Except* B-O: 2x4 SPF 2100F 1.8E	BOT CHORD	
WEBS	2x3 SPF No.2 *Except* H-N,I-J,H-J: 2x4 SPF No.2	WEBS	1 Row at midpt G-N, I-J, H-J
OTHERS	2x3 SPF No.2		
SLIDER	Left 2x4 SPF No.2 1-9-12		

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

TOP CHORD	B-D=-3068/336, D-E=-2980/361, E-G=-2183/293, G-H=-1099/201
BOT CHORD	B-Q=-401/2851, P-Q=-278/2193, N-P=-147/1283, M-N=-94/364, L-M=-94/364, K-L=-94/364, J-K=-94/364
WEBS	D-Q=-381/149, E-Q=-107/747, E-P=-740/199, G-P=-148/1228, G-N=-1196/257, H-N=-184/1349, H-J=-1272/163

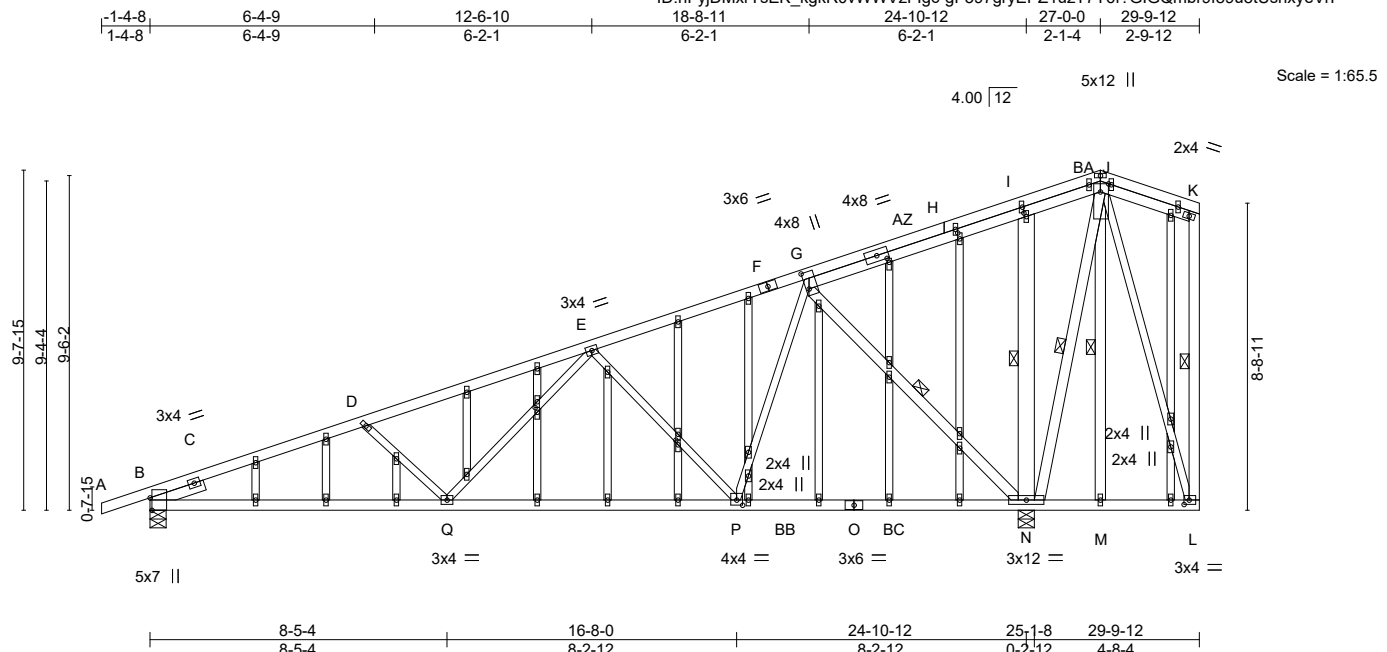
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.

Design valid for use only with MiteTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A11	GABLE	2	1	Job Reference (optional)	U1530829

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:48 2024 Page 1
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[illegible]

BRACING-	
TOP CHORD	Structural wood sheathing directly applied or 2-5-1 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt G-N, I-N, J-N, K-L, J-M

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-D=-2427/278, D-E=-2187/227, E-G=-1200/154
 BOT CHORD B-Q=-347/2252, P-Q=-223/1591, N-P=-84/804
 WEBS D-Q=-396/149, E-Q=-26/641, E-P=-793/183, G-P=-55/941, G-N=-1251/212, I-N=-475/123,
 J-N=-360/115

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TC DL=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) TCDL: 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 studs spaced at 2'-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" tall by 2'-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) except (jt=lb) B=168, N=203.
- 11) 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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Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A11	GABLE	2	1		U1530829
						Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:48 2024 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFgC-gF397gryEPZ1uzT7Y6f?GIGQmbr9f89u8tUshxyeVrP

NOTES-

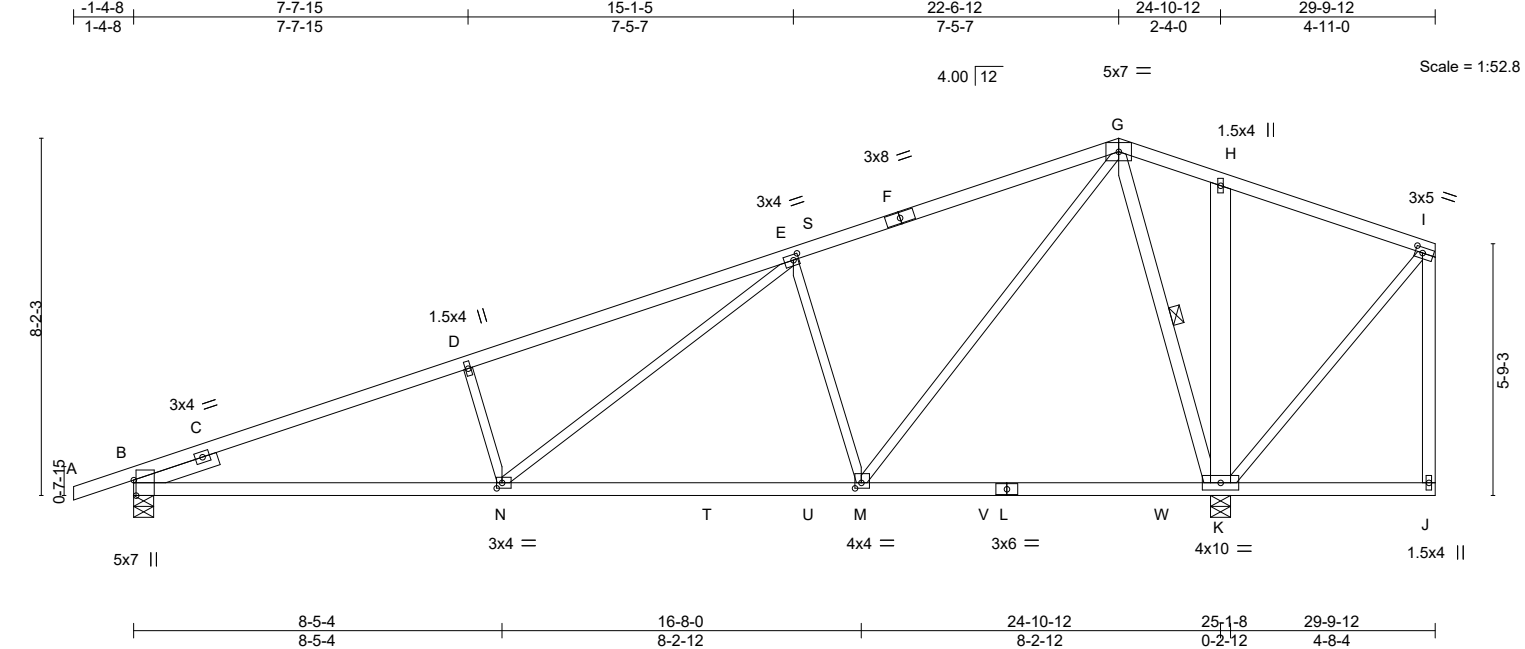
12) No notches allowed in overhang and 200/100 from left end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2'-0" o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A12	COMMON	6	1		U1530830
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:50 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-cdAvYMTcm0pl7GdVfxhTLjLiUOZv705BcBzympeVrN



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.98	Vert(LL)	-0.20 M-N >999 360	MT20		197/144	
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.36 M-N >826 240				
TCDL	12.0	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.05 K n/a n/a				
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.07 M-N >999 240				
BCDL	10.0							Weight: 128 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 9-7-3 oc bracing.
WEBS	2x3 SPF No.2 *Except*	WEBS	1 Row at midpt G-K
	G-K, I-J: 2x4 SPF No.2, H-K: 2x6 SPF No.2		
SLIDER	Left 2x4 SPF No.2 2-0-2		

REACTIONS. (size) B=0-5-8, K=0-5-8
Max Horz B=198(LC 10)
Max Uplift B=-165(LC 6), K=-161(LC 6)
Max Grav B=1313(LC 3), K=1776(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-D=-2500/248, D-E=-2401/276, E-G=-1381/184, H-I=-9/265
BOT CHORD B-N=-372/2316, M-N=-223/1462, K-M=-47/295
WEBS D-N=-461/168, E-N=-132/1007, E-M=-1008/241, G-M=-183/1541, G-K=-1296/184, H-K=-480/108, I-K=-269/41

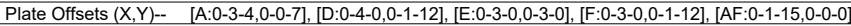
- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) TCCL: ASCE 7-16; Pf=25.0 psf (Lum 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, 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=165, K=161.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A13	GABLE	2	1	Job Reference (optional)	U1530831

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:50 2024 Page 1
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TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2 *Except*
	C-Q,D-Q,D-M: 2x3 SPF No.2
OTHERS	2x3 SPF No.2
SLIDER	Left 2x4 SPF No.2 4-0-1

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.
WEBS	1 Row at midpt F-M, F-H

ONS. All bearings 25-1-8.
(lb) - Max Horz A=112(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) A, Q, M, H, N
Max Grav All reactions 250 lb or less at joint(s) A, Q, M, H, H, I, J, L, N, O, P,
R, S, T

TOP CHORD A-C=-256/19
WEBS C-Q=-264/93

- 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 exposed ; end vertical left 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) 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) A, Q, M, H, N.
- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024



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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



240 Stirling Crescent
Bradford, ON, L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A14	GABLE	2	1		U1530832

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:52 2024 Page 1
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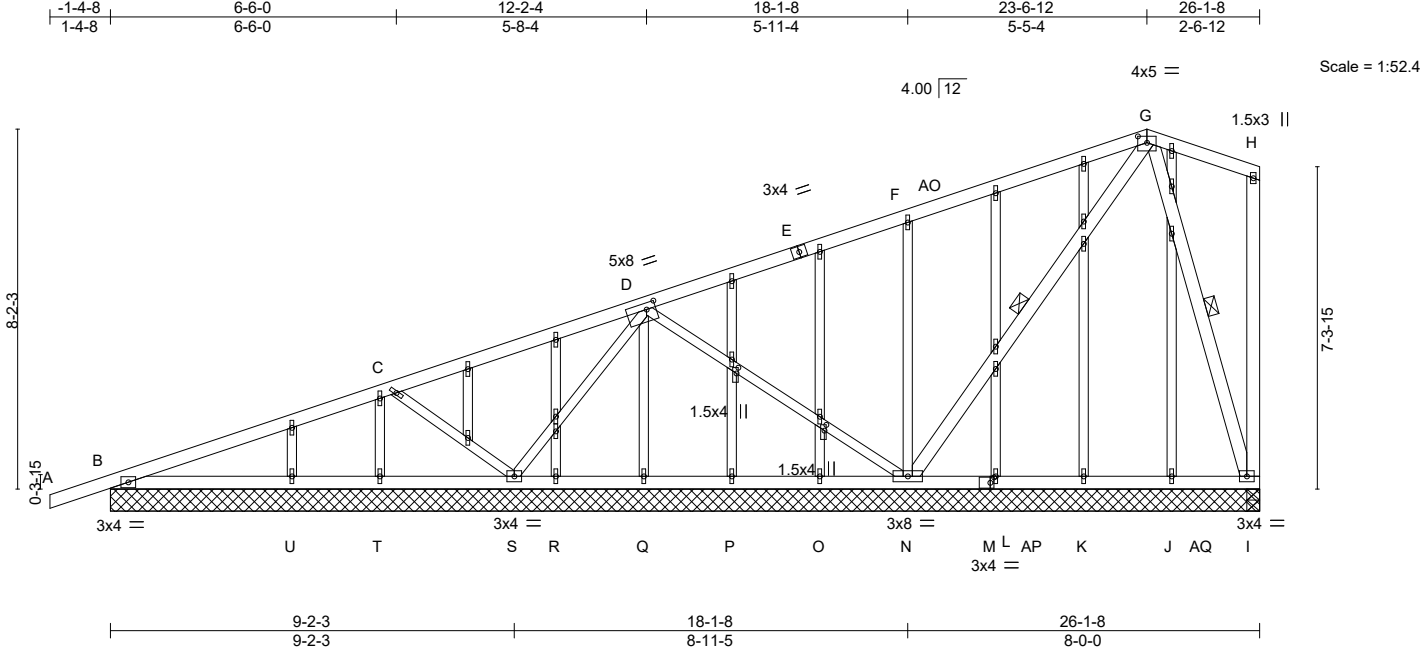


Plate Offsets (X,Y)--		[D:0-2-8,0-1-12], [G:0-2-8,0-1-12], [M:0-1-0,0-1-8], [AF:0-1-9,0-0-8], [AH:0-1-9,0-0-8]	
LOADING (psf)		SPACING-	1-0-0
TCLL 25.0		Plate Grip DOL	1.15
(Roof Snow=25.0)		Lumber DOL	1.15
TCDL 12.0		Rep Stress Incr	NO
BCLL 0.0 *		Code IBC2018/TPI2014	
BCDL 10.0			
		CSI.	
		TC 0.29	
		BC 0.13	
		WB 0.24	
		Matrix-S	
		DEFL.	
		in (loc)	
		l/defl	
		L/d	
		PLATES	GRIP
		MT20	197/144
		Weight: 141 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x3 SPF No.2 *Except*	WEBS	1 Row at midpt G-N, G-I
	G-N,H-I,G-I: 2x4 SPF No.2		
OTHERS	2x3 SPF No.2		

REACTIONS. All bearings 26-1-8.
(lb) - Max Horz B=119(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) B, S, N, I, Q
Max Grav All reactions 250 lb or less at joint(s) B, I, I, J, K, L, O, P, Q, R, T, U except S=314(LC 17), N=350(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS C-S=-269/91, F-N=-260/79

- 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 exposed ; end vertical left 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 1x4 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, S, N, I, Q.
 - 11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A15	Roof Special	6	1	Job Reference (optional)	U1530833

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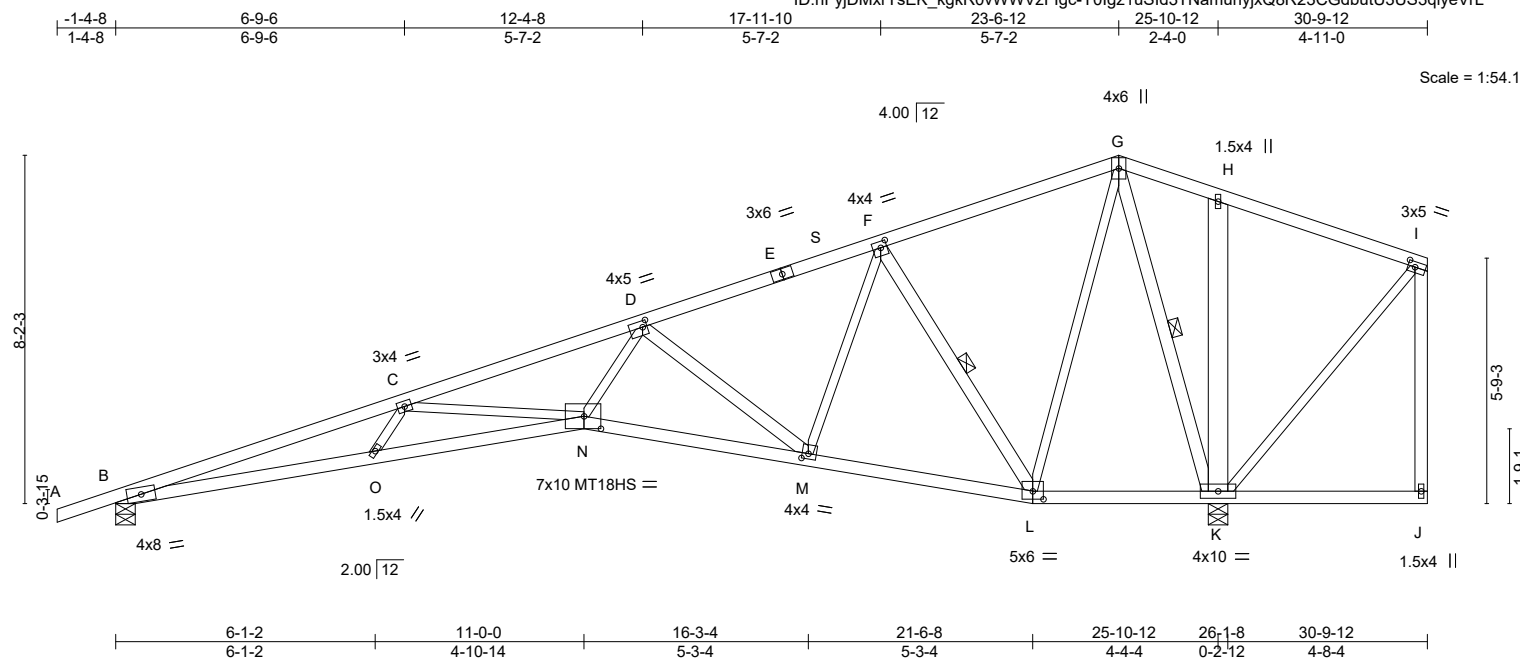


Plate Offsets (X,Y)-- [D:0-1,4,0,-1-12], [F:0-1-12,0,-1-12], [I:0-2,0,-0,1-8], [L:0-3-0,0,-2-4], [M:0-1-12,0,-1-8], [N:0-4-12,0,-3-8]							
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 25.0 (Roof Snow=25.0)		Plate Grip DOL 1.15		TC 0.98		Vert(LL) -0.41 N-O >752 360	MT20 197/144
TCDL 12.0		Lumber DOL 1.15		BC 0.80		Vert(CT) -0.75 N-O >417 240	MT18HS 197/144
BCLL 0.0 *		Rep Stress Incr YES		WB 0.90		Horz(CT) 0.30 K n/a n/a	
BCDL 10.0		Code IBC2018/TPI2014		Matrix-MS		Wind(LL) 0.23 N-O >999 240	Weight: 138 lb FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	2x4 SPF No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 9-2-5 oc bracing.
	B-N: 2x4 SPF 2100F 1.8E	WEBS	1 Row at midpt F-L, G-K
WEBS	2x3 SPF No.2 *Except*		
	D-M,F-L,G-K,I-J: 2x4 SPF No.2, H-K: 2x6 SPF No.2		

REACTIONS. (size) B=0-5-8, K=0-5-8
Max Horz B=166(LC 9)
Max Uplift B=-182(LC 6), K=-200(LC 7)
Max Grav B=1339(LC 17), K=1704(LC 1)

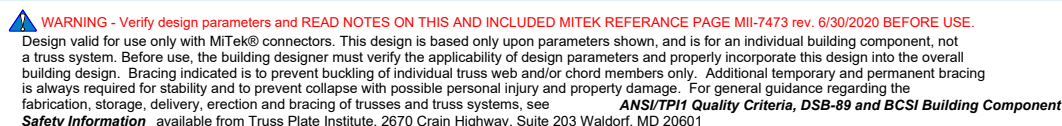
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-5336/630, C-D=-4305/511, D-F=-1825/226, F-G=-720/138, H-I=-54/272
 BOT CHORD B-O=-679/5068, N-O=-716/5048, M-N=-412/3163, L-M=-144/1361, K-L=-25/299
 WEBS C-N=-971/206, D-N=-192/1829, D-M=-1881/304, F-M=-97/1089, F-L=-1465/228,
 G-L=-134/1151, G-K=-1320/143, H-K=-503/117, I-K=-280/56

NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCFL=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=1.0; 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) Bearing at joint(s) B considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=182, K=200.
- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI



September 12, 2024



Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A16	GABLE	2	1	Job Reference (optional)	U1530834

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:53 2024 Page 1
 ID:hFyJDMxrTSEK_kgkR0vWWVzFfgC-0Cs2ANv53xBK_kL4kFEAzLzF4caXKL9d18BdN8yeVrK
 1-4-8 4-7-6 7-11-11 11-0-0 14-9-1 21-6-8 28-11-4 30-11-8
 1-4-8 4-7-6 3-4-5 3-0-5 3-9-2 6-9-6 7-4-12 2-0-4

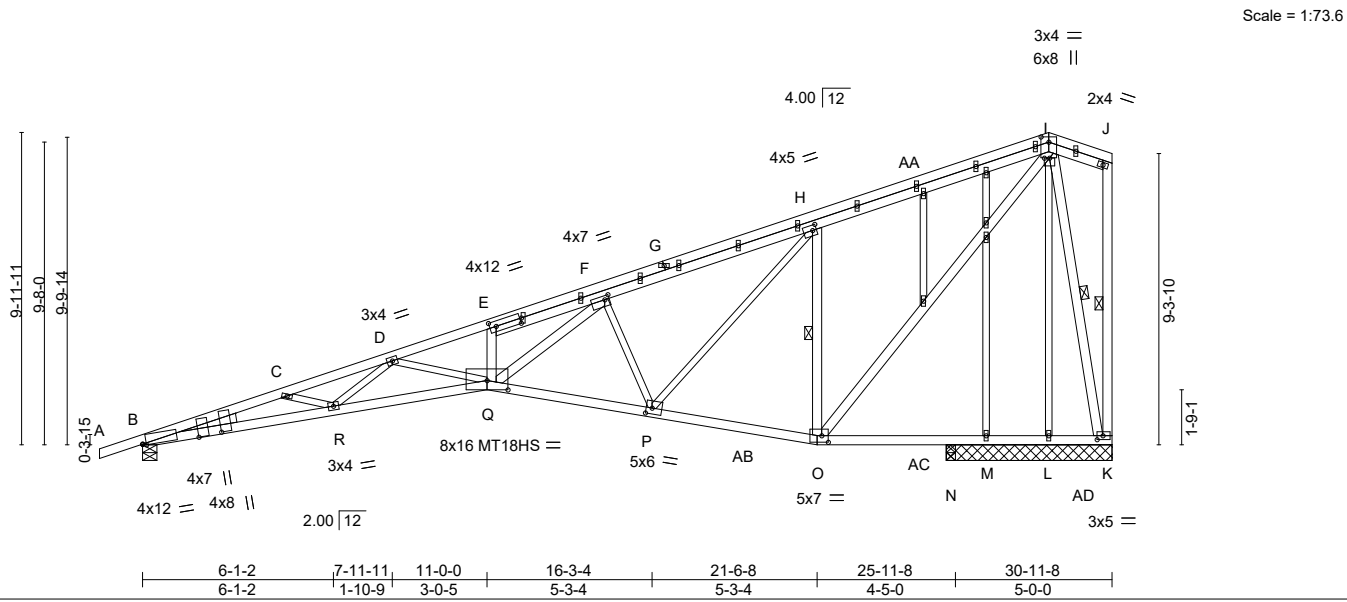


Plate Offsets (X,Y)-- [B:0-1-7,Edge], [B:0-0-14,1-9-12], [B:0-0-6,2-6-10], [E:0-2-0,0-0-1], [E:0-2-8,0-2-0], [F:0-1-12,0-1-8], [H:0-1-8,0-2-0], [I:0-2-0,0-3-0], [I:0-2-0,0-0-0],
[K:0-2-4,0-1-8], [O:0-2-8,0-2-8], [P:0-2-4,0-2-4], [Q:0-8-0,0-3-9]

[illegible]

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2 *Except* A-G: 2x4 SPF 2100F 1.8E	TOP CHORD	Structural wood sheathing directly applied or 1-7-8 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2 *Except* B-Q: 2x4 SPF 2100F 1.8E	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	2x4 SPF No.2 *Except* D-Q,F-P,H-P,D-R,C-R: 2x3 SPF No.2	WEBS	1 Row at midpt H-O, J-K, I-K
OTHERS	2x3 SPF No.2		
WEDGE			
Left: 2x4 SPF No.2			


REACTIONS. All bearings 5-3-8 except (jt=length) B=0-5-8, N=0-3-8.
 (lb) - Max Horz B=289(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) L, N except B=-208(LC 6), K=-185(LC 6), M=-480(LC 17)
 Max Grav All reactions 250 lb or less at joint(s) M except B=1529(LC 3), K=1212(LC 17), L=251(LC 21), N=722(LC 3)

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

TOP CHORD B-C=-7397/948, C-D=-7170/879, D-E=-6314/798, E-F=-6399/846, F-H=-2712/371,
H-I=-1441/294

BOT CHORD B-R=-10277/1710, Q-R=-964/6689, P-Q=-454/3260, O-P=-172/1360, N-O=-91/256,
M-N=-91/256, L-M=-91/256, K-L=-91/256

WEBS D-Q=-605/137, F-P=-1635/303, H-P=-228/1842, H-O=-1557/324, I-O=-296/1675,
I-K=-1335/206, E-Q=-357/86, D-R=0/324, C-R=-301/97, F-Q=-491/3657



- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDF=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) TCDL: 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 MT20 plates unless otherwise indicated.
- 7) All plates are 1.5x4 MT20 unless otherwise indicated.
- 8) Gable studs spaced at 2'-0" oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



September 12, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

MiTek®
 240 Stirling Crescent
 Bradford, ON, L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A16	GABLE	2	1	U1530834

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:53 2024 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-0Cs2ANv53xBK_kL4KfEAzLzF4caXKL9dI8BdN8yeVrK

- NOTES-**
- 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, with BCDL = 10.0psf.
 - 11) Bearing at joint(s) B considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) L, N except (jt=lb) B=208, K=185, M=480.
 - 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 14) No notches allowed in overhang and 120800 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.

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A17	Roof Special	11	1		U1530835
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:54 2024 Page 1

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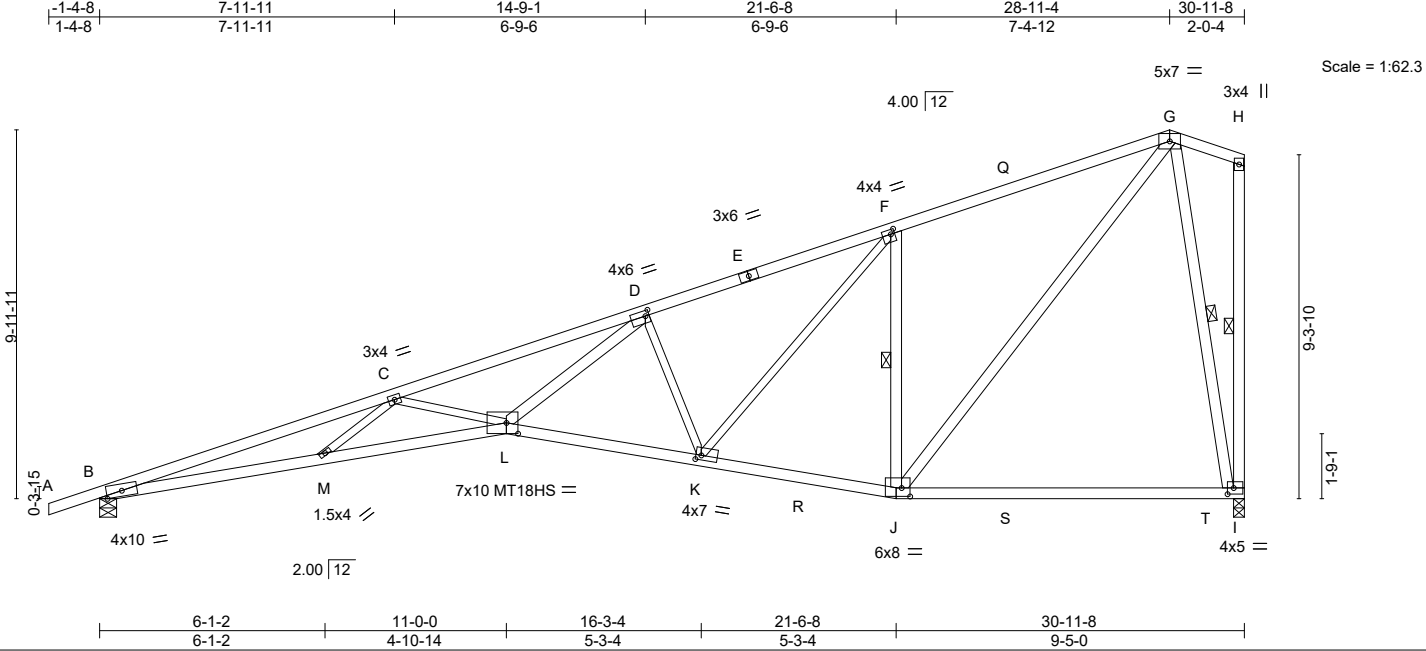


Plate Offsets (X,Y)--	[D:0-1-4,0-1-12], [F:0-1-4,0-1-8], [I:0-2-0,0-2-0], [J:0-2-12,0-2-12], [K:0-1-12,0-1-8], [L:0-3-12,0-3-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.90	Vert(LL)	-0.56	L-M	>663	360	MT20 197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.89	Vert(CT)	-1.01	L-M	>367	240	MT18HS 197/144
TCDL 12.0	Rep Stress Incr	YES	WB 0.76	Horz(CT)	0.37	I	n/a	n/a	
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.30	L	>999	240	
BCDL 10.0									Weight: 137 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except* A-E: 2x4 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SPF 2100F 1.8E *Except* J-L: 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 8-3-12 oc bracing.
WEBS 2x4 SPF No.2 *Except* C-M,C-L,D-K,F-K: 2x3 SPF No.2	WEBS 1 Row at midpt F-J, H-I, G-I

REACTIONS. (size) B=0-5-8, I=0-3-8
Max Horz B=299(LC 9)
Max Uplift B=-205(LC 6), I=-185(LC 6)
Max Grav B=1602(LC 3), I=1587(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-6801/760, C-D=-5845/678, D-F=-2805/358, F-G=-1645/285
BOT CHORD B-M=-831/6480, L-M=-902/6335, K-L=-403/3197, J-K=-151/1514, I-J=-85/288
WEBS C-M=0/291, C-L=-849/228, D-L=-359/3077, D-K=-1547/290, F-K=-231/1755,
F-J=-1525/322, G-J=-287/1963, G-I=-1439/199

- 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, with BCDL = 10.0psf.
 - 8) Bearing at joint(s) B considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=205, I=185.
 - 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A18	ROOF SPECIAL	1	1		U1530836
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:55 2024 Page 1
ID:hFyJDMxrTsEK_kgkR0vWWVzFlgc-zb_ob3xLaYR2E2VTS4He2m3ZIPFpolowISgjR1yeVrl

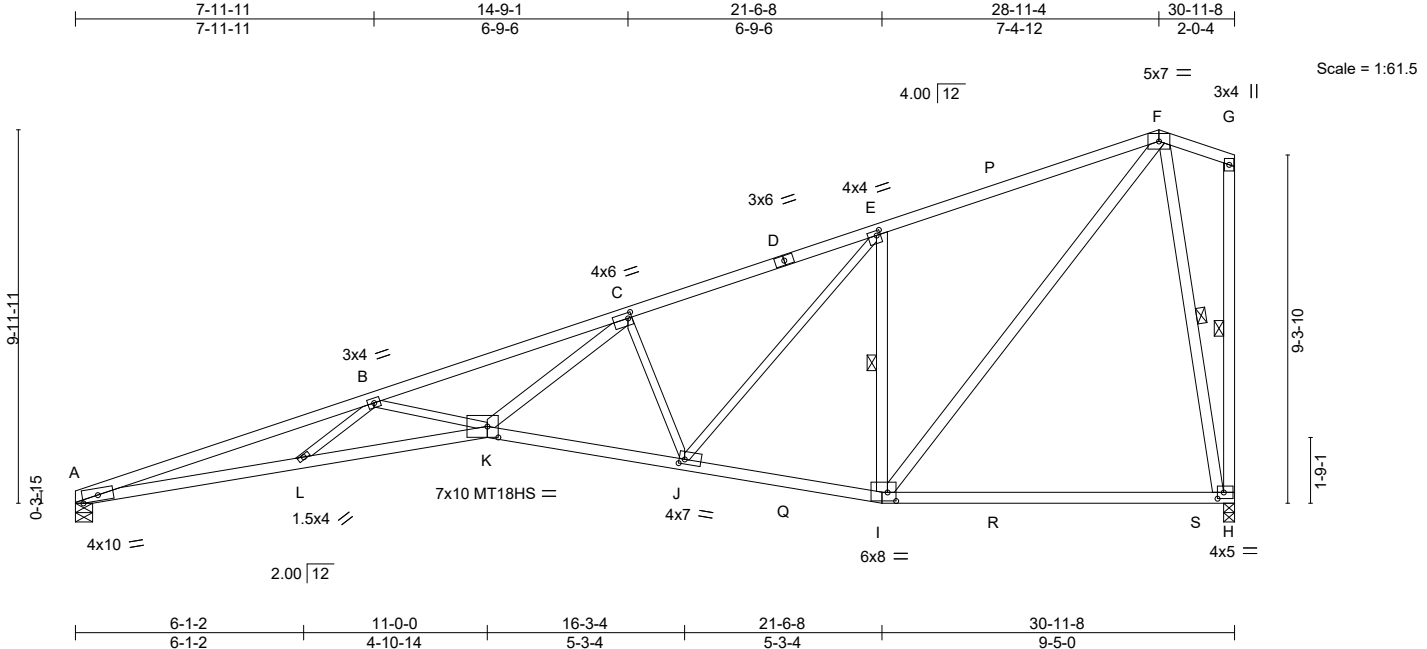


Plate Offsets (X,Y)--	[C:0-1-4,0-1-12], [E:0-1-4,0-1-8], [H:0-2-0,0-2-0], [I:0-2-12,0-2-12], [J:0-1-12,0-1-8], [K:0-3-8,0-3-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP	
TCLL 25.0	Plate Grip DOL	1.15	TC 0.95	Vert(LL)	-0.56	K-L	>663	360	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.90	Vert(CT)	-1.01	K-L	>366	240	MT18HS	197/144
TCDL 12.0	Rep Stress Incr	YES	WB 0.76	Horz(CT)	0.37	H	n/a	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.31	K	>999	240		
BCDL 10.0									Weight: 135 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except* A-D: 2x4 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SPF 2100F 1.8E *Except* I-K: 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 8-3-2 oc bracing.
WEBS 2x4 SPF No.2 *Except* B-L,B-K,C-J,E-J: 2x3 SPF No.2	WEBS 1 Row at midpt E-I, G-H, F-H

REACTIONS. (size) A=0-5-8, H=0-3-8
Max Horz A=292(LC 9)
Max Uplift A=-160(LC 6), H=-186(LC 6)
Max Grav A=1515(LC 3), H=1589(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-6852/778, B-C=-5866/686, C-E=-2810/361, E-F=-1647/287
BOT CHORD A-L=-847/6531, K-L=-913/6372, J-K=-405/3204, I-J=-152/1517, H-I=-85/288
WEBS B-L=0/297, B-K=-870/233, C-K=-365/3093, C-J=-1553/292, E-J=-232/1760, E-I=-1528/323, F-I=-288/1966, F-H=-1441/199

- 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) All plates are MT20 plates unless otherwise indicated.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 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) Bearing at joint(s) A 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) except (jt=lb) A=160, H=186.
 - 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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Bradford, ON. L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A19	GABLE	1	1		U1530837

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:56 2024 Page 1
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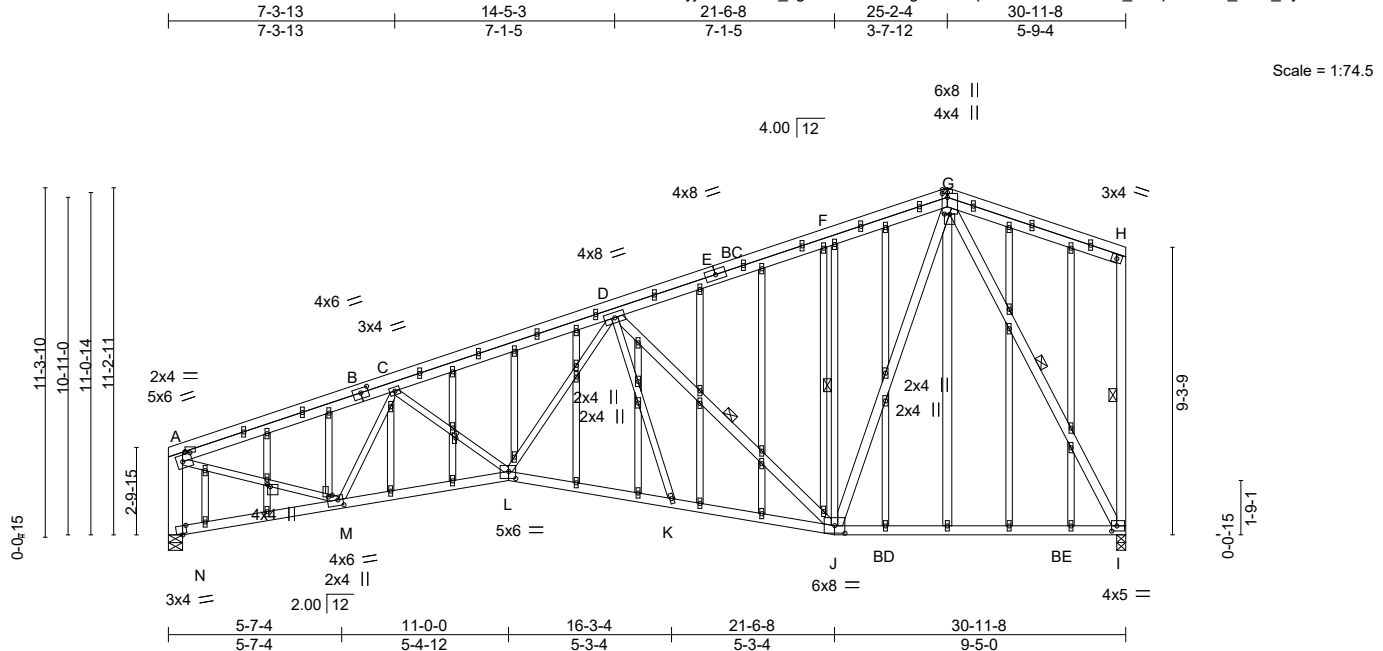


Plate Offsets (X,Y)--	[A:0-3-12,0-2-8], [A:0-0-0,0-0-4], [B:0-3-0,0-1-12], [G:0-2-0,Edge], [G:0-1-8,0-2-0], [G:0-0-1,0-2-0], [I:0-2-0,0-2-0], [J:0-4-0,0-2-15], [L:0-2-12,0-2-12], [M:0-2-0,0-2-4], [M:0-0-11,0-1-8], [N:0-1-13,Edge], [AJ:0-1-14,0-0-4], [AP:0-0-13,0-1-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.75	Vert(LL)	-0.44	I-J	>829	MT20	197/144
TCDL 12.0	Plate Grip DOL 1.15	BC 0.79	Vert(CT)	-0.70	I-J	>521		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.90	Horz(CT)	0.13	I	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Wind(LL)	0.08	L	>999	Weight: 264 lb	FT = 20%
	Code IBC2018/TPI2014							

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2 *Except* I-J: 2x4 SPF 2100F 1.8E	BOT CHORD Rigid ceiling directly applied or 9-11-12 oc bracing.
WEBS 2x3 SPF No.2 *Except* D-J, G-J, H-I, G-I: 2x4 SPF No.2, A-N: 2x6 SPF No.2	WEBS 1 Row at midpt D-J, F-J, H-I, G-I
OTHERS 2x3 SPF No.2 *Except* G-O: 2x4 SPF No.2	

REACTIONS. (size) I=0-3-8, N=0-5-8
Max Horz N=259(LC 7)
Max Uplift I=-151(LC 6), N=-156(LC 6)
Max Grav I=1547(LC 2), N=1523(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-C=-2234/231, C-D=-2811/333, D-F=-1293/187, F-G=-1280/243, A-N=-1448/190, H-I=-307/71
BOT CHORD M-N=-254/101, L-M=-347/2486, K-L=-237/2128, J-K=-219/2182, I-J=-115/668
WEBS C-M=-940/175, D-L=-103/959, D-J=-1377/202, F-J=-594/151, G-J=-197/1491, A-M=-189/2083, G-I=-1384/147

- 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) TOLL: 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) 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) Bearing at joint(s) N 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) except (jt=lb) I=151, N=156.
 - 11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	A19	GABLE	1	1		U1530837
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:56 2024 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RnXApPxzLsZvrB4f0notb_bnYpdmXio4_6QH_TyeVrH

NOTES-

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.

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530774
N0653A	B1	GABLE	7	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:24 2024 Page 1

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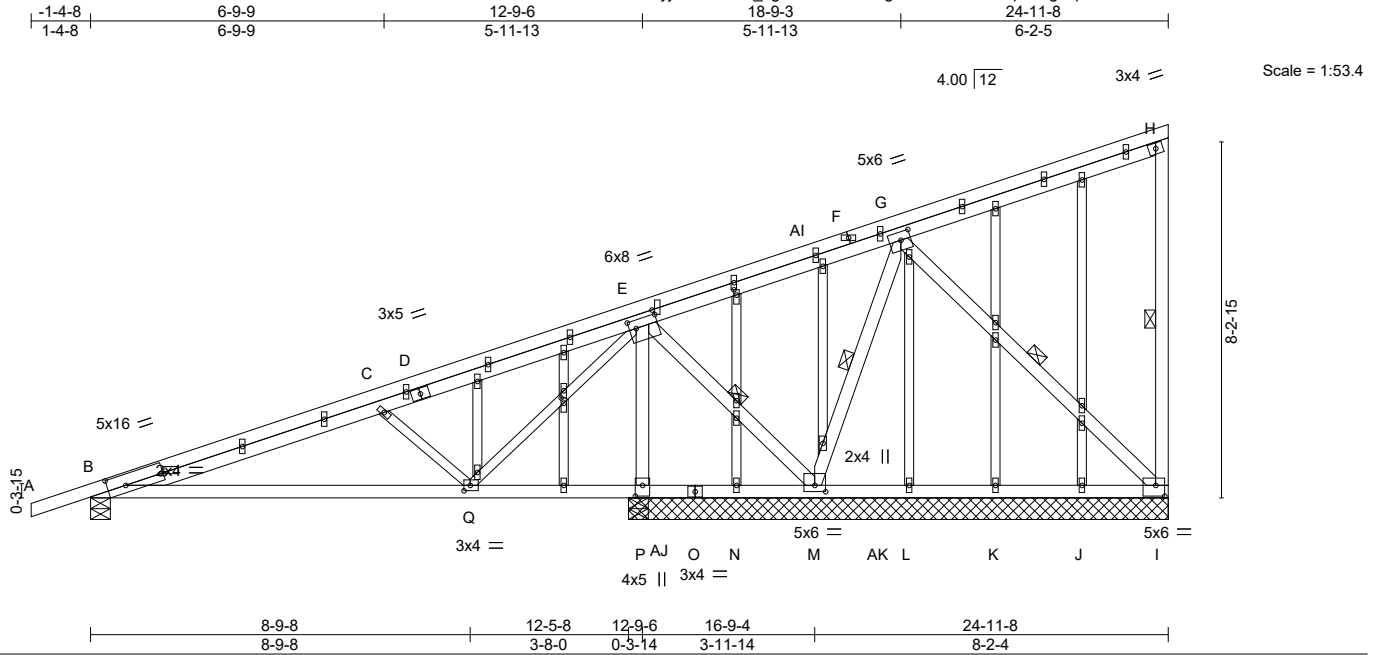


Plate Offsets (X,Y)-- [B:0-5-1,0-3-0], [E:0-1-14,0-2-4], [G:0-1-4,0-0-12], [H:0-2-12,0-2-4], [I:0-2-8,0-3-0], [M:0-3-0,0-1-12], [P:0-3-0,0-2-0], [Q:0-1-12,0-1-8], [Y:0-1-7,0-0-12], [AA:0-1-7,0-0-12], [AG:0-1-0,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.72	Vert(LL)	-0.17	Q-AH	>877	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.73	Vert(CT)	-0.32	Q-AH	>466		
TCDL 12.0	Lumber DOL 1.15	WB 0.91	Horz(CT)	-0.05	J	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Wind(LL)	0.10	Q-AH	>999		
BCDL 10.0	Code IBC2018/TPI2014						Weight: 158 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
C-Q,E-Q: 2x3 SPF No.2
OTHERS 2x3 SPF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-5-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-7-12 oc bracing.
WEBS 1 Row at midpt H-I, E-M, G-M, G-I

REACTIONS.

All bearings 12-6-0 except (jt=length) B=0-5-8.
(lb) - Max Horz B=618(LC 35)
Max Uplift All uplift 100 lb or less at joint(s) J, K, L, N except I=1485(LC 35), B=750(LC 32), P=2877(LC 32)
Max Grav All reactions 250 lb or less at joint(s) J, K, L, N except I=1484(LC 52), B=1165(LC 27), P=3277(LC 29), P=1257(LC 1)

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

TOP CHORD B-C=-2245/1859, C-E=-1537/1247, E-G=-1020/906, G-H=-1678/1585, H-I=-290/53
BOT CHORD B-Q=-1911/2105, P-Q=-2060/1926, N-P=-1835/1714, M-N=-816/671, L-M=-2542/2482, K-L=-1494/1434, J-K=-629/582, I-J=-1517/1457
WEBS C-Q=-573/193, E-Q=-164/965, E-M=-2921/3050, G-M=-2273/2225, G-I=-2018/2061, E-P=-3216/2858

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 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) J, K, L, N except (jt=lb) I=1485, B=750, P=2877.
- 11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Continued on page 2



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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



September 12, 2024



240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	B1	GABLE	7	1		U1530774
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:24 2024 Page 2

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

- NOTES-**
- 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 12-5-8 to 24-11-8 for 479.2 plf.
- 13) No notches allowed in overhang and 10408 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.

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	B2	Monopitch	28	1		U1530838

Alliance Truss (CA),	Abbotsford, BC - V2S 7P6,	8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:03 2024 Page 1
		ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-k7TqHo1Mi0SvBG6?wmQWNSO?me?Vgw56bic9jZyeVrA

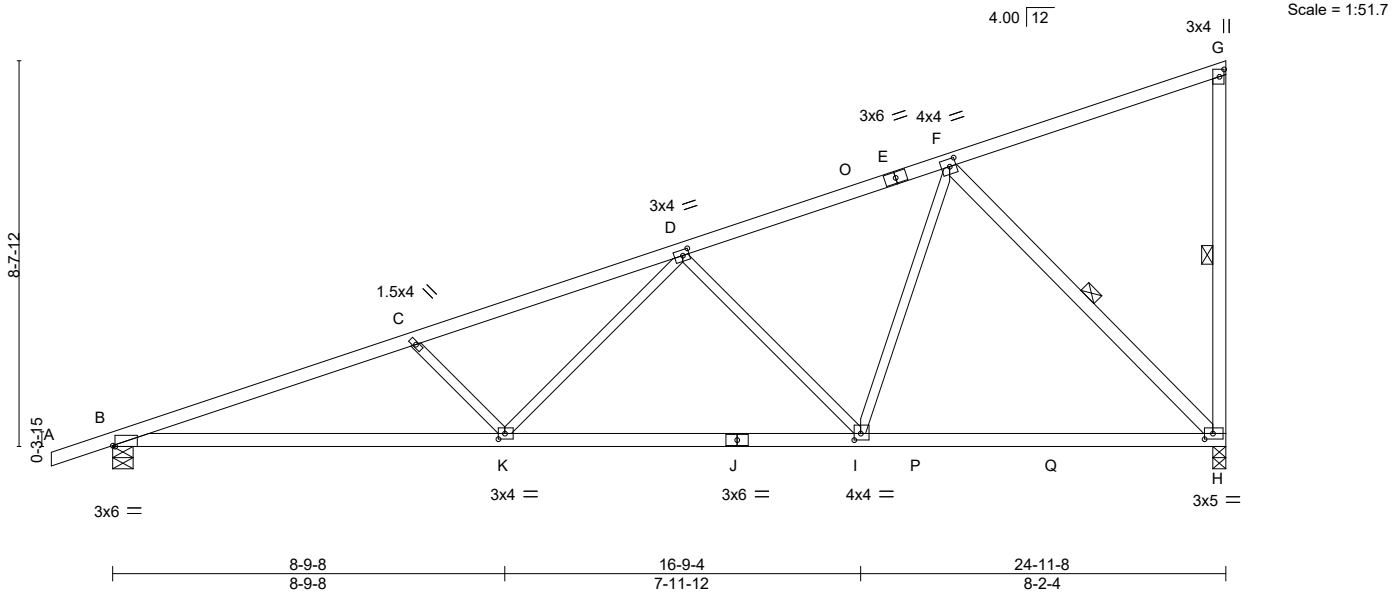


Plate Offsets (X,Y)-- [B:0-0-10,Edge], [D:0-1-12,0-1-8], [F:0-1-12,0-2-0], [G:0-2-0,0-1-4], [H:0-2-4,0-1-8], [I:0-1-12,0-1-12], [K:0-1-12,0-1-8]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.69	Vert(LL)	-0.20	K-N	>999	360	MT20
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.84	Vert(CT)	-0.39	K-N	>769	240	197/144
TCDL 12.0	Rep Stress Incr	YES	WB 0.74	Horz(CT)	0.06	H	n/a	n/a	
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.09	K-N	>999	240	
BCDL 10.0									Weight: 96 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-7-4 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x3 SPF No.2 *Except*	WEBS 1 Row at midpt G-H, F-H
G-H,F-H: 2x4 SPF No.2	

REACTIONS. (size) H=0-3-8, B=0-5-8
Max Horz B=281(LC 9)
Max Uplift H=-167(LC 10), B=-172(LC 6)
Max Grav H=1419(LC 3), B=1331(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2955/311, C-D=-2666/260, D-F=-1455/158, G-H=-283/51
BOT CHORD B-K=-378/2775, I-K=-232/1883, H-I=-103/1036
WEBS C-K=-516/161, D-K=-53/861, D-I=-849/185, F-I=-56/980, F-H=-1470/216

- 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, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 167 lb uplift at joint H and 172 lb uplift at joint B.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	B3	Roof Special	49	1		U1530839
Job Reference (optional)						

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,
8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:04 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-CK0CU82_TJampQhCUTxlvgwA12JuPNeFqMMiG?yeVr9
18-6-1
24-8-6
6-2-5

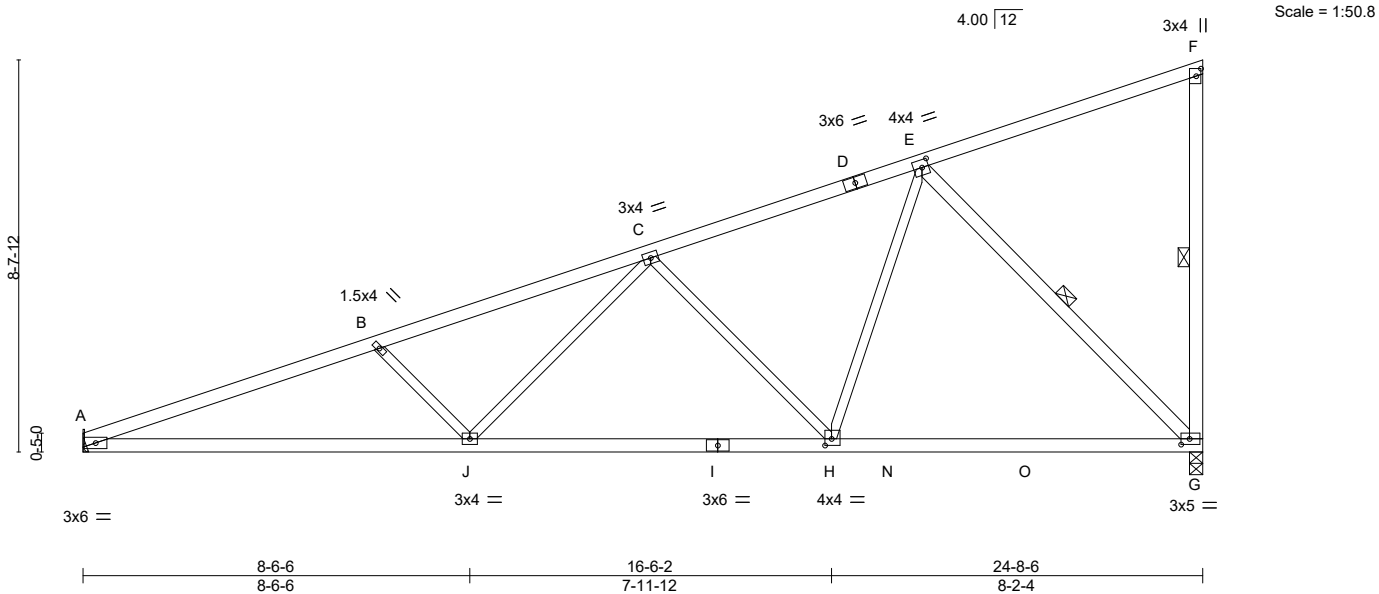


Plate Offsets (X,Y)--		[E:0-1-12,0-2-0], [F:0-2-0,0-1-4], [G:0-2-4,0-1-8], [H:0-1-12,0-1-12]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.67	Vert(LL)	-0.20	G-H >999	360	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.96	Vert(CT)	-0.34	G-H >873	240		
TCDL 12.0	Rep Stress Incr	YES	WB 0.72	Horz(CT)	0.07	G n/a	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.07	J-M >999	240	Weight: 93 lb	FT = 20%
BCDL 10.0									

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-11-5 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x3 SPF No.2 *Except*	WEBS 1 Row at midpt F-G, E-G
F-G,E-G: 2x4 SPF No.2	

REACTIONS. (size) G=0-3-8, A=Mechanical
Max Horz A=272(LC 9)
Max Uplift G=-167(LC 10), A=-125(LC 6)
Max Grav G=1390(LC 3), A=1225(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2853/311, B-C=-2565/261, C-E=-1422/157, F-G=-281/51
BOT CHORD A-J=-373/2660, H-J=-231/1832, G-H=-104/1009
WEBS B-J=-488/159, C-J=-50/798, C-H=-827/184, E-H=-56/967, E-G=-1429/215

- NOTES-**
- 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
 - 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
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 167 lb uplift at joint G and 125 lb uplift at joint A.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	B3A	ROOF SPECIAL	42	1		U1530840
Job Reference (optional)						

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,
8.820 s Aug 30 2024 MiTek Industries, Inc.
Thu Sep 12 02:48:04 2024
Page 1
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6-7-6
6-7-6
12-3-10
5-8-4
18-4-12
6-1-2
24-8-6
6-3-10

4.00 12
3x4 ||
3x6 =
4x4 =
4x5 =
3x4 =
1.5x4 ||
6x10 MT18HS =
4x4 =
3x5 =
2-0-3

0-5-0
8-7-12
2.00 12

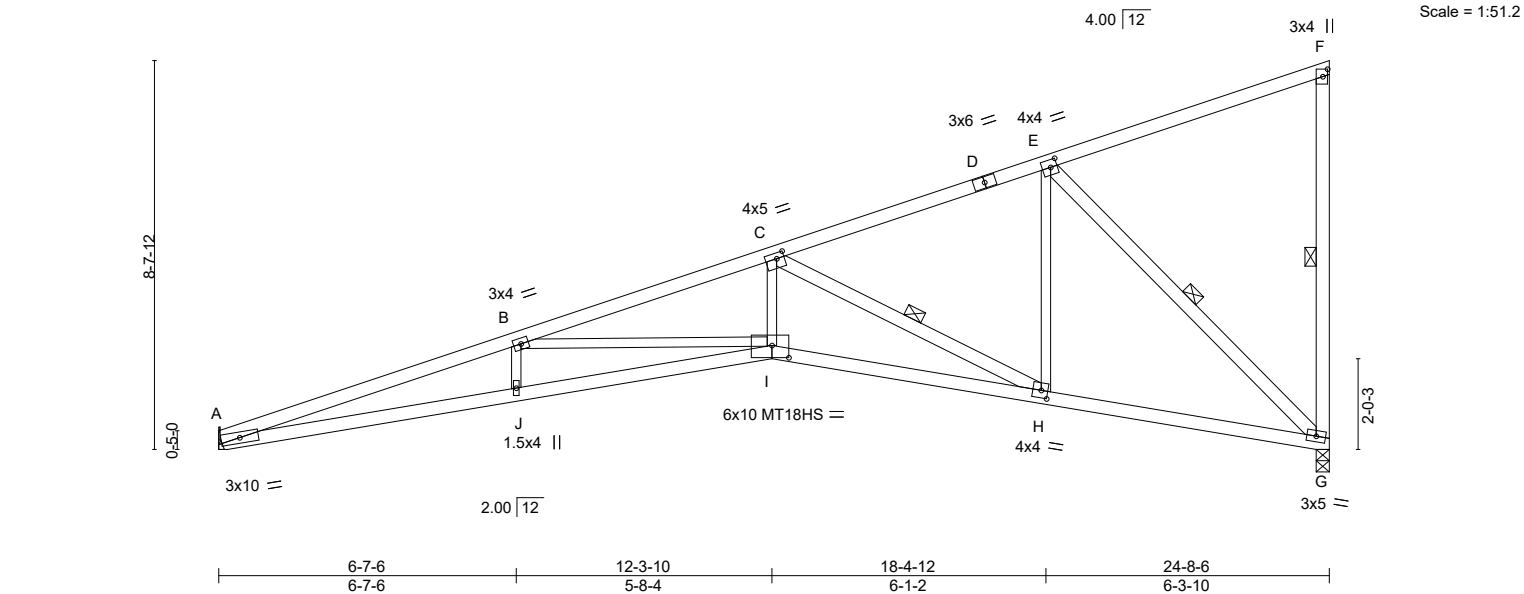


Plate Offsets (X,Y)-- [C:0-2-0,0-1-8], [E:0-1-12,0-2-0], [F:0-2-0,0-1-4], [H:0-1-12,0-2-0], [I:0-4-8,0-3-4]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	-0.41 I-J >710	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.76 I-J >386	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.34 G n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.24 I-J >999	Weight: 96 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 2-0-11 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	2x3 SPF No.2 *Except*	WEBS	1 Row at midpt F-G, C-H, E-G
	F-G,C-H,E-G: 2x4 SPF No.2		

REACTIONS. (size) G=0-3-8, A=Mechanical
Max Horz A=247(LC 6)
Max Uplift G=-188(LC 6), A=-102(LC 6)
Max Grav G=1380(LC 16), A=1195(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-4990/575, B-C=-3791/427, C-E=-1368/94, F-G=-286/64
BOT CHORD A-J=-762/4729, I-J=-764/4739, H-I=-564/3595, G-H=-182/1267
WEBS B-I=-1143/197, C-I=-178/1557, C-H=-2599/423, E-H=-63/968, E-G=-1747/249

- 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 exposed ; end vertical left 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) All plates are MT20 plates unless otherwise indicated.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 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) Bearing at joint(s) G considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 188 lb uplift at joint G and 102 lb uplift at joint A.
 - 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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PRMU20240284 - BLDG C

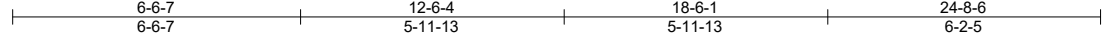
Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	B4	GABLE	7	1		U1530775

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:26 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:52.3

Plate Offsets (X,Y)-- [D:0-1-15,0-1-8], [F:0-1-8,0-1-12], [G:0-2-4,0-1-8], [H:0-3-0,0-3-0], [I:0-2-8,0-1-8], [M:0-3-0,0-1-8], [AD:0-1-7,0-0-12], [AE:0-1-12,0-0-12], [AK:0-0-12,0-0-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.70	Vert(LL)	-0.16	H-I	>712	360	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.79	Vert(CT)	-0.27	H-I	>410	240		
TCDL 12.0	Rep Stress Incr	YES	WB 0.96	Horz(CT)	-0.02	H	n/a	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.06	O	>760	240		
BCDL 10.0									Weight: 156 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 3-3-2 oc bracing.
WEBS 2x4 SPF No.2 *Except*	WEBS 1 Row at midpt G-H, D-I, F-H
B-O,D-O,D-M: 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS. All bearings 15-5-6 except (jt=length) H=0-3-8, J=0-5-8.
(lb) - Max Horz A=315(LC 38)
Max Uplift All uplift 100 lb or less at joint(s) K except H=919(LC 40), A=999(LC 31), N=320(LC 31), P=447(LC 31), Q=222(LC 54), M=1455(LC 31), J=315(LC 18)
Max Grav All reactions 250 lb or less at joint(s) K, J except H=1330(LC 27), A=1099(LC 52), N=427(LC 28), P=487(LC 52), Q=350(LC 35), M=2167(LC 28), A=370(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-3149/2947, B-D=-1579/1391, D-F=-1946/1652, F-G=-1687/1587, G-H=-286/52
BOT CHORD A-Q=-2497/2487, P-Q=-1260/1250, O-P=-547/664, N-O=-1003/917, M-N=-1702/1617, K-M=-2580/2491, J-K=-2780/2691, I-J=-2780/2691, H-I=-958/1023
WEBS B-O=-589/250, D-O=-665/772, D-I=-1836/2119, F-I=-1378/1492, F-H=-1410/1308, D-M=-2255/1624

- 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) 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) K except (jt=lb) H=919, A=999, N=320, P=447, Q=222, M=1455, J=315, A=999.
 - 10) 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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Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.

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

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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	B4	GABLE	7	1		U1530775
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:26 2024 Page 2

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 11) 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 15-5-6 for 383.7 plf.
- 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.

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	C1	GABLE	15	1	U1530776 Job Reference (optional)

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:26 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

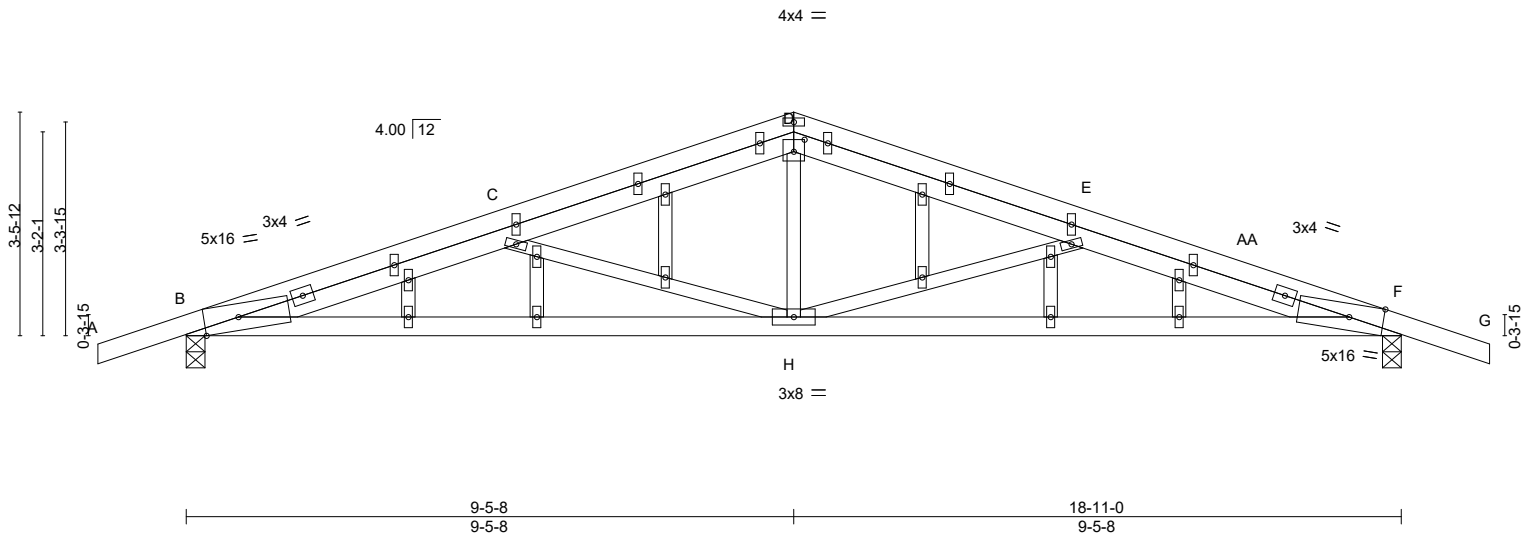


Plate Offsets (X,Y)-- [B:0-6-7,Edge], [D:0-2-0,0-2-4], [F:0-6-7,Edge]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.14	H-Z	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.33	H-W	>684	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.06	F	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.06	H-W	>999	240	Weight: 83 lb	FT = 20%
BCDL	10.0											

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x3 SPF No.2
OTHERS	2x3 SPF No.2

TOP CHORD	Structural wood sheathing directly applied or 3-3-12 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

(size) B=0-3-8, F=0-3-8
Max Horz B=54(LC 10)
Max Uplift B=-169(LC 6), F=-137(LC 7)
Max Grav B=1105(LC 17), F=1057(LC 18)

TOP CHORD B-C=-2401/253, C-D=-1609/111, D-E=-1608/113, E-F=-2535/243
BOT CHORD B-H=-234/2275, F-H=-184/2396
WEBS D-H=0/675, E-H=-1018/188, C-H=-932/197

- 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 studs spaced at 2'-0" o.c.
- 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" tall by 2'-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=169, F=137.
- 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" o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.



September 12, 2024



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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



240 Stirling Crescent
Bradford, ON, L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	D1	GABLE	7	1		U1530777
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:27 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



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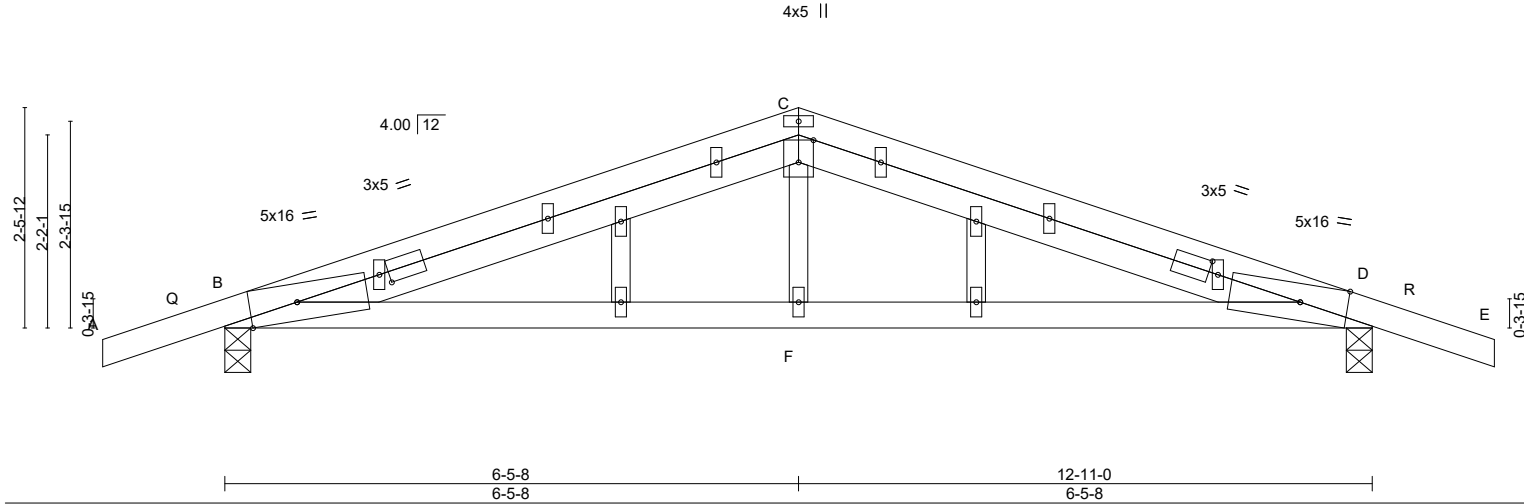


Plate Offsets (X,Y)-- [B:0-6-7,Edge], [B:1-1-0,0-1-8], [C:0-3-0,Edge], [D:1-1-0,0-1-8], [D:0-6-7,Edge]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.11 F-M >999 360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.18 F-M >864 240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.02 D n/a n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.04 F-M >999 240	Weight: 50 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x3 SPF No.2		
OTHERS	2x3 SPF No.2		

REACTIONS. (size) B=0-3-8, D=0-3-8
Max Horz B=41(LC 10)
Max Uplift B=-141(LC 6), D=-110(LC 7)
Max Grav B=974(LC 17), D=822(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1260/86, C-D=-1230/91
BOT CHORD B-F=-53/1118, D-F=-53/1118
WEBS C-F=0/288

- NOTES-**
- 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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-16; 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
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - All plates are 1.5x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=141, D=110.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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 12,2024

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	G1	GABLE	20	1		U1530841
Alliance Truss (CA), Abbotsford, BC - V2S 7P6,						8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:05 2024 Page 1
						ID:hFyJDMxrTsEK_kgkR0vWWVzFlgc-gWaaIU2cEdidQaGO1AS_StTKARoq8_rO205FoSyeVr8
						Job Reference (optional)

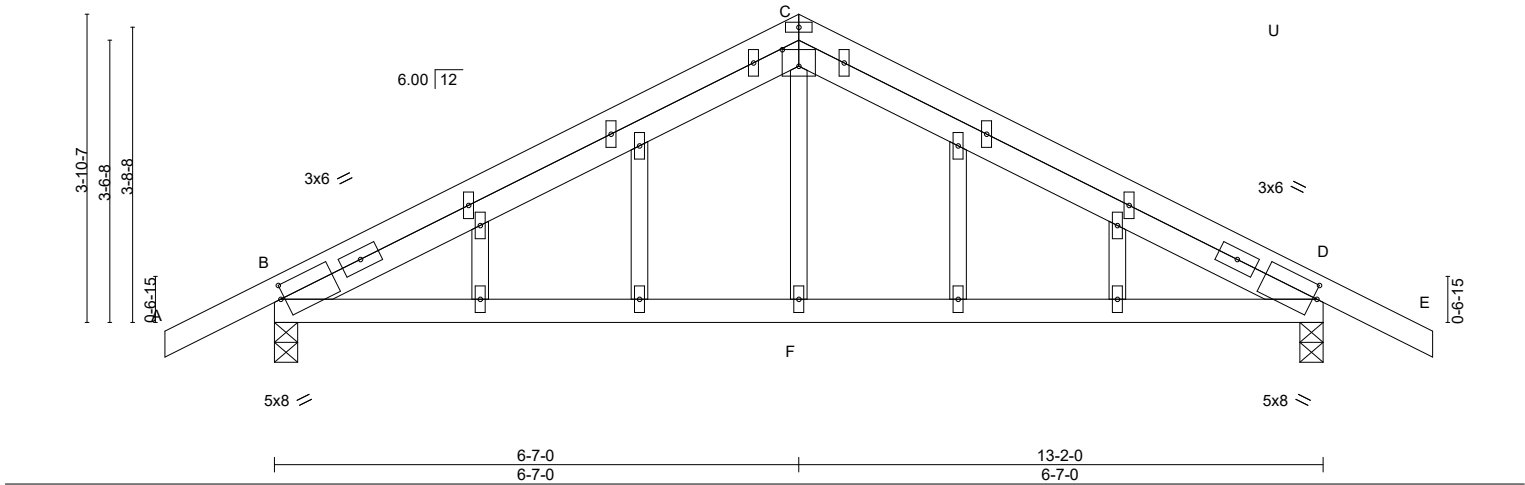
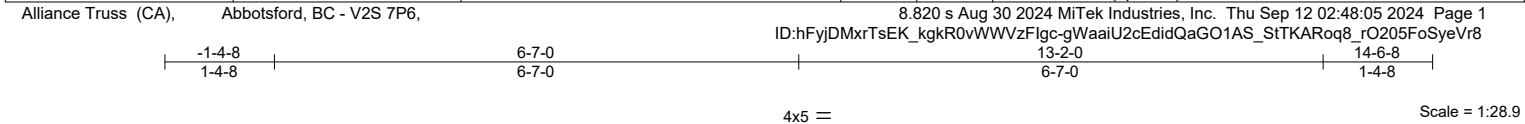


Plate Offsets (X,Y)-- [B:0-0-9,0-2-1], [C:0-2-8,0-2-8], [D:0-0-9,0-2-1]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.07 F-T	MT20	GRIP 197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.10 F-T		
TCDL	12.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01 B		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.03 F-Q	Weight: 59 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 4-4-14 oc purlins.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x3 SPF No.2		
OTHERS	2x3 SPF No.2		

REACTIONS. (size) B=0-3-8, D=0-3-8
Max Horz B=52(LC 10)
Max Uplift B=-90(LC 10), D=-78(LC 11)
Max Grav B=760(LC 1), D=817(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-815/65, C-D=-877/66
BOT CHORD B-F=-15/662, D-F=-15/662
WEBS C-F=0/265

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 90 lb uplift at joint B and 78 lb uplift at joint D.
- 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 12,2024

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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	G2	Common	14	1		U1530778
Job Reference (optional)						

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,
8.630 s Jul 12 2024
MiTek Industries, Inc.
Thu Sep 12 02:47:27 2024
Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f
13-2-0
14-6-8
6-7-0
1-4-8
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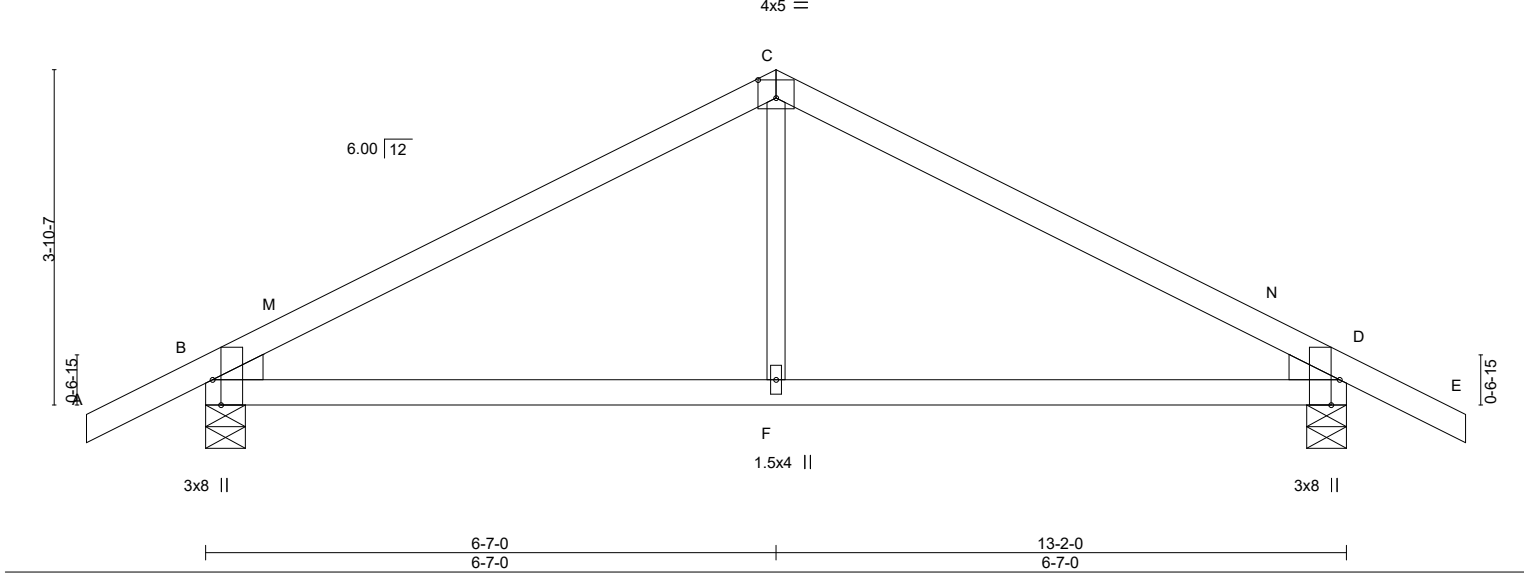


Plate Offsets (X,Y)-- [B:0-3-8,Edge], [C:0-2-8,0-2-8], [D:0-3-8,Edge]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.11 F-I >999 360	MT20	GRIP 197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.15 F-I >999 240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.02 B n/a n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.04 F-I >999 240	Weight: 40 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 2-9-12 oc purlins.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x3 SPF No.2		
WEDGE			
Left: 2x4 SPF No.2 , Right: 2x4 SPF No.2			

REACTIONS. (size) B=0-5-8, D=0-5-8
Max Horz B=-52(LC 15)
Max Uplift B=-75(LC 10), D=-75(LC 11)
Max Grav B=817(LC 17), D=817(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-870/71, C-D=-870/71
BOT CHORD B-F=-14/647, D-F=-14/647
WEBS C-F=0/289

- NOTES-**
- 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
 - 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
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, D.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	G3	GABLE	2	1		U1530842
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:05 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-gWaaIU2cEdidQaGO1AS_StTSeRts8?BO205FoSyVr8
15-6-0 16-10-8
7-9-0 15-6-0 1-4-8
-1-4-8 1-4-8 7-9-0 7-9-0 15-6-0 16-10-8 1-4-8

4x4 =

Scale = 1:30.8

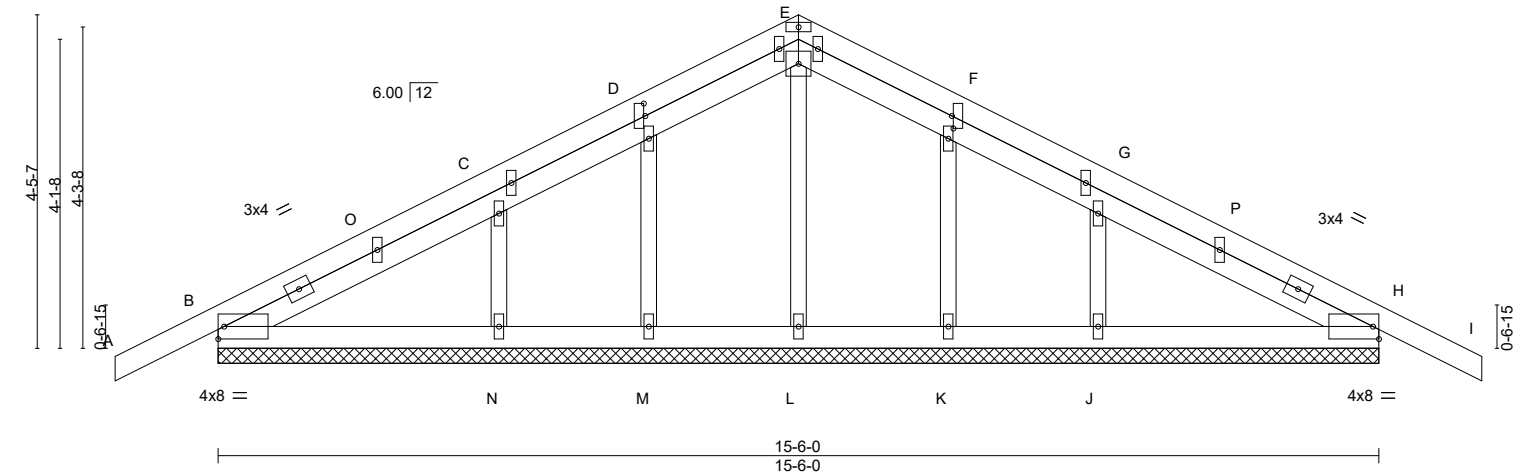


Plate Offsets (X,Y)--	[D:0-2-0,0-0-4], [F:0-2-0,0-0-4]
-----------------------	----------------------------------

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)	0.00	H	n/r	120	MT20
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.08	Vert(CT)	0.00	I	n/r	90	197/144
TCDL 12.0	Rep Stress Incr	YES	WB 0.06	Horz(CT)	0.00	H	n/a	n/a	
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-S						
BCDL 10.0									
								Weight: 70 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x3 SPF No.2	

REACTIONS. All bearings 15-6-0.
(lb) - Max Horz B=-55(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) B, H, M, N, K, J
Max Grav All reactions 250 lb or less at joint(s) L, M, K except B=289(LC 17), H=289(LC 18), N=401(LC 17), J=400(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS C-N=-321/89, G-J=-320/90

- 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 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) B, H, M, N, K, J.
 - 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 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 12,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	G4	Common Girder	2	2		U1530843
Alliance Truss (CA), Abbotsford, BC - V2S 7P6,						8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:06 2024 Page 1
						ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-8i8yvq3F?xqU2krabuzD?50Y?r6ktDIYHGrpKuyeVr7
						Job Reference (optional)

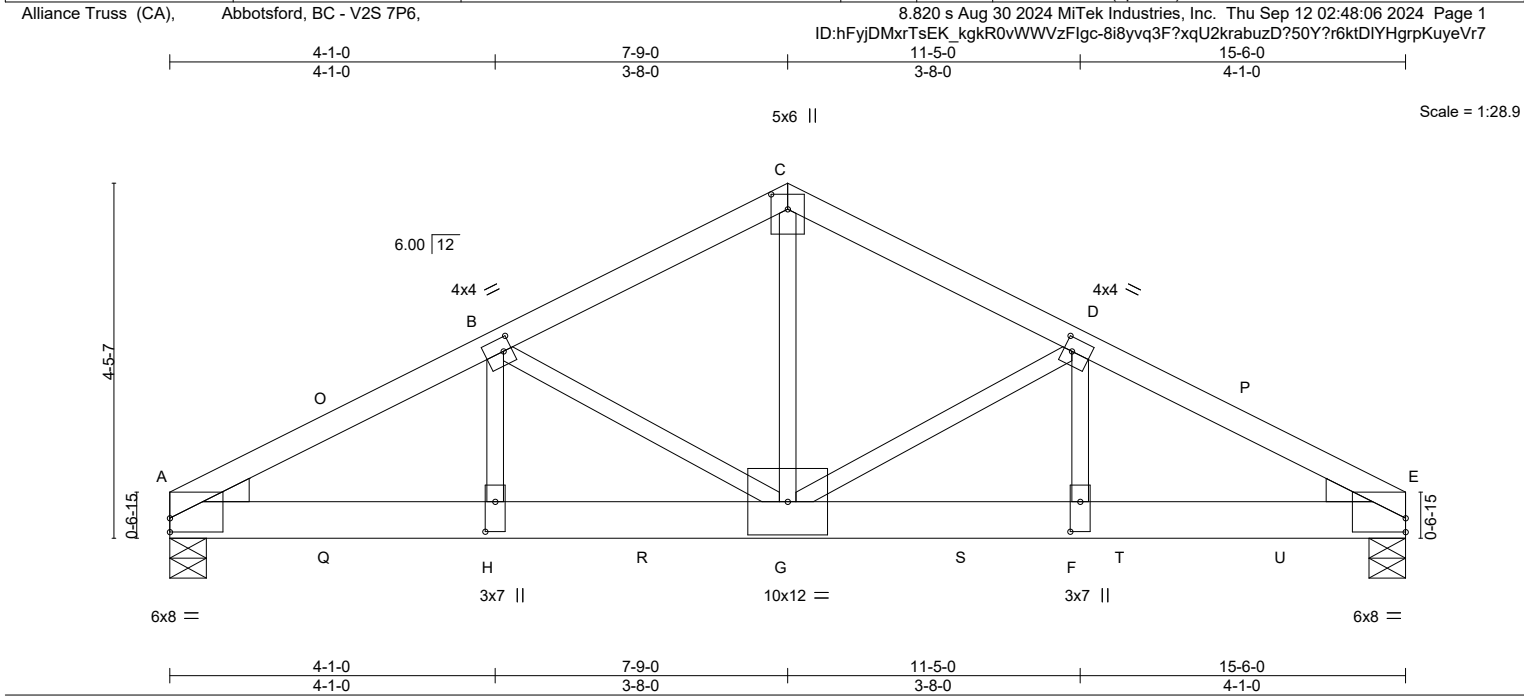


Plate Offsets (X,Y)-- [A:0-0-0,0-2-1], [B:0-1-4,0-2-0], [C:0-2-4,0-2-8], [D:0-1-4,0-2-0], [E:Edge,0-2-1], [F:0-4-8,0-1-8], [H:0-4-8,0-1-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	-0.11	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.20		
TCDL	12.0	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.04		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.06	Weight: 124 lb	FT = 20%
BCDL	10.0								

LUMBER-					BRACING-				
TOP CHORD	2x4 SPF No.2				TOP CHORD	Structural wood sheathing directly applied or 3-7-5 oc purlins.			
BOT CHORD	2x6 SPF 2100F 1.8E				BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.			
WEBS	2x3 SPF No.2								
WEDGE									
Left: 2x4 SP No.3 , Right: 2x4 SP No.3									

REACTIONS.		(size)	A=0-5-8, E=0-5-8
Max Horz		A=51(LC 29)	
Max Uplift		A=-614(LC 10), E=-649(LC 11)	
Max Grav		A=5531(LC 3), E=5841(LC 4)	

FORCES.		(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	A-B=-9488/1055, B-C=-6914/792, C-D=-6916/792, D-E=-9448/1051	
BOT CHORD	A-H=-953/8416, G-H=-953/8416, F-G=-900/8388, E-F=-900/8388	
WEBS	C-G=-638/5829, D-G=-2638/347, D-F=-222/2235, B-G=-2670/350, B-H=-228/2291	

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-4-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc.
Webs connected as follows: 2x3 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - 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 exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 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
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=614, E=649.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1428 lb down and 174 lb up at 2-0-4, 1428 lb down and 174 lb up at 4-0-4, 1428 lb down and 174 lb up at 6-0-4, 1428 lb down and 174 lb up at 8-0-4, 1428 lb down and 174 lb up at 10-0-4, and 1428 lb down and 174 lb up at 12-0-4, and 1428 lb down and 174 lb up at 14-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
Continued on page 2



September 12,2024

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	G4	Common Girder	2	2	Job Reference (optional)	U1530843

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:06 2024 Page 2
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LOAD CASE(S) Standard

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

Uniform Loads (plf)

 Vert: A-C=-74, C-E=-74, I-L=-20

Concentrated Loads (lb)

 Vert: G=-1387(B) H=-1387(B) Q=-1387(B) R=-1387(B) S=-1387(B) T=-1387(B) U=-1387(B)

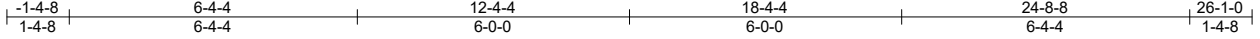
PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	H1	GABLE	7	1		U1530779

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:29 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



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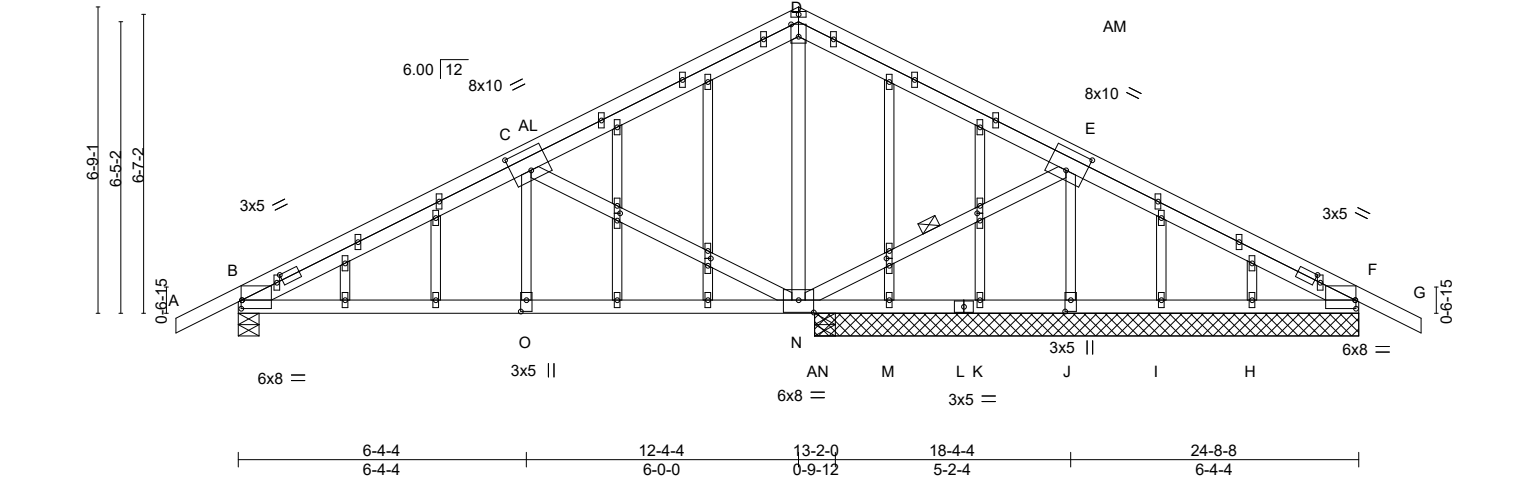


Plate Offsets (X,Y)--	[B:0-0-3,0-2-4], [B:0-11-15,0-1-8], [C:0-5-0,0-5-8], [D:0-3-4,0-2-0], [E:0-5-0,0-5-8], [F:0-11-15,0-1-8], [F:0-0-3,0-2-4], [J:0-3-0,0-1-8], [N:0-4-0,0-3-4], [O:0-3-0,0-1-8], [P:0-1-15,0-0-12], [S:0-1-15,0-0-12], [AA:0-1-15,0-0-12], [AC:0-1-15,0-0-12]
-----------------------	--

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.88	Vert(LL)	-0.08	N-O	>999	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.66	Vert(CT)	-0.09	O-AH	>999		
TCDL 12.0	Lumber DOL 1.15	WB 0.92	Horz(CT)	0.04	J	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Wind(LL)	0.11	O-AH	>999		
BCDL 10.0	Code IBC2018/TPI2014						Weight: 139 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF 2100F 1.8E *Except*	TOP CHORD Structural wood sheathing directly applied or 2-11-6 oc purlins.
B-D,D-F: 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 4-4-1 oc bracing.
BOT CHORD 2x4 SPF 2100F 1.8E	WEBS 1 Row at midpt E-N
WEBS 2x4 SPF No.2 *Except*	
E-J,C-O: 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS.
All bearings 12-0-0 except (jt=length) B=0-5-8.
(lb) - Max Horz B=153(LC 49)
Max Uplift All uplift 100 lb or less at joint(s) M except B=957(LC 40), N=1988(LC 40), J=1528(LC 43), I=111(LC 55), H=469(LC 42), F=1647(LC 43)
Max Grav All reactions 250 lb or less at joint(s) M, K, I except B=1208(LC 29), N=2470(LC 29), N=1088(LC 1), J=1567(LC 38), H=533(LC 39), F=1690(LC 52), F=294(LC 1)

FORCES.
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2014/1784, C-D=-1270/1422, D-E=-2878/2936, E-F=-3031/3017
BOT CHORD B-O=-1700/1900, N-O=-1700/1900, M-N=-3202/3239, K-M=-2389/2423, J-K=-1401/1438, I-J=-560/597, H-I=-1549/1585, F-H=-2350/2387
WEBS D-N=-1405/1227, E-N=-1655/1672, E-J=-1556/1573, C-N=-858/367, C-O=-77/261

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCCL=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) TCCL: 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) M except (jt=lb) B=957, N=1988, J=1528, I=111, H=469, F=1647, F=1647.
 - 11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.

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September 12, 2024

240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	H1	GABLE	7	1		U1530779
						Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:29 2024 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 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 12-8-8 to 24-8-8 for 494.2 plf.
- 13) 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.

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	H2	Common	7	1		U1530780
Job Reference (optional)						

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,
8.630 s Jul 12 2024
MiTek Industries, Inc.
Thu Sep 12 02:47:29 2024
Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWwCDoi7J4zJC?f

-1-4-8
1-4-8
6-4-4
6-4-4
12-4-4
6-0-0
18-4-4
6-0-0
24-8-8
26-1-0
1-4-8

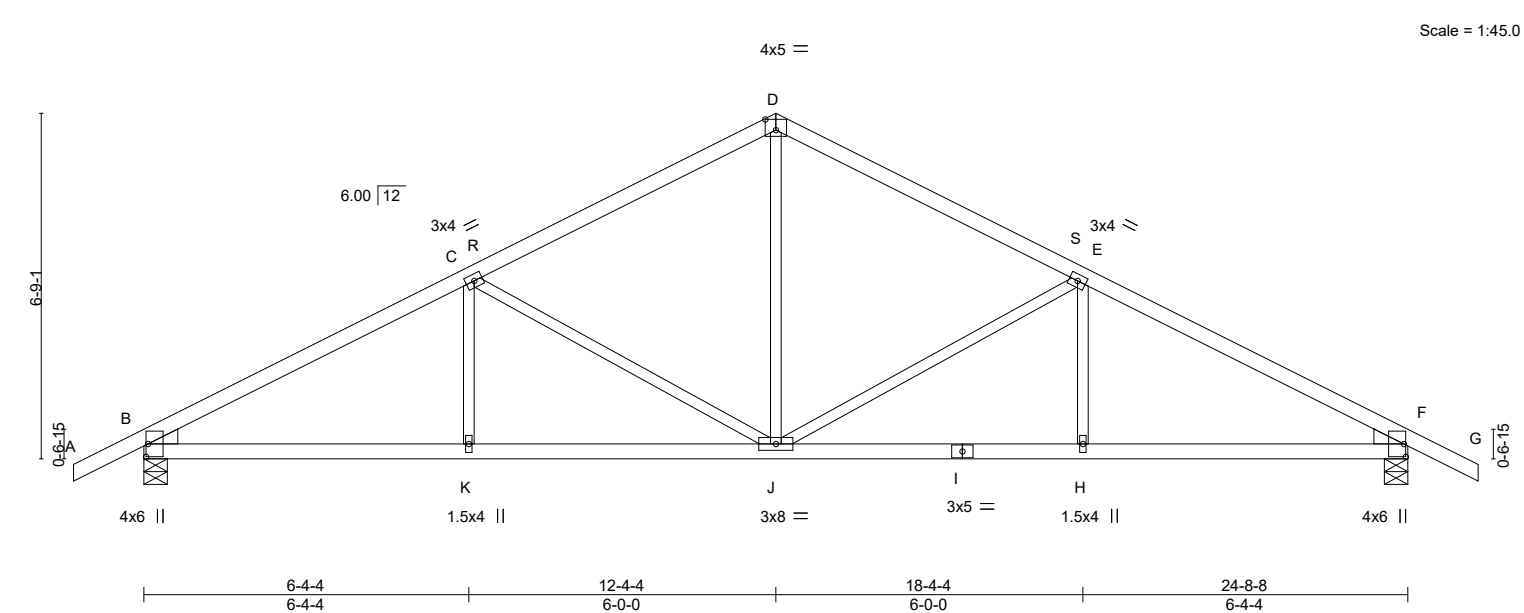


Plate Offsets (X,Y)-- [B:0-3-0,0-0-7], [D:0-2-8,0-2-8], [F:0-3-0,0-0-7]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.09 J-K	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.17 J-K		
TCDL	12.0	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.06 F		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.04 H-J	Weight: 86 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x3 SPF No.2		
WEDGE			
Left: 2x4 SPF No.2 , Right: 2x4 SPF No.2			

REACTIONS. (size) B=0-5-8, F=0-5-8
Max Horz B=-90(LC 11)
Max Uplift B=-119(LC 10), F=-119(LC 11)
Max Grav B=1287(LC 17), F=1287(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1988/155, C-D=-1373/137, D-E=-1373/137, E-F=-1988/155
BOT CHORD B-K=-152/1701, J-K=-152/1701, H-J=-62/1701, F-H=-62/1701
WEBS D-J=-23/716, E-J=-705/149, C-J=-705/149

- NOTES-**
- 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
 - 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
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=119, F=119.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

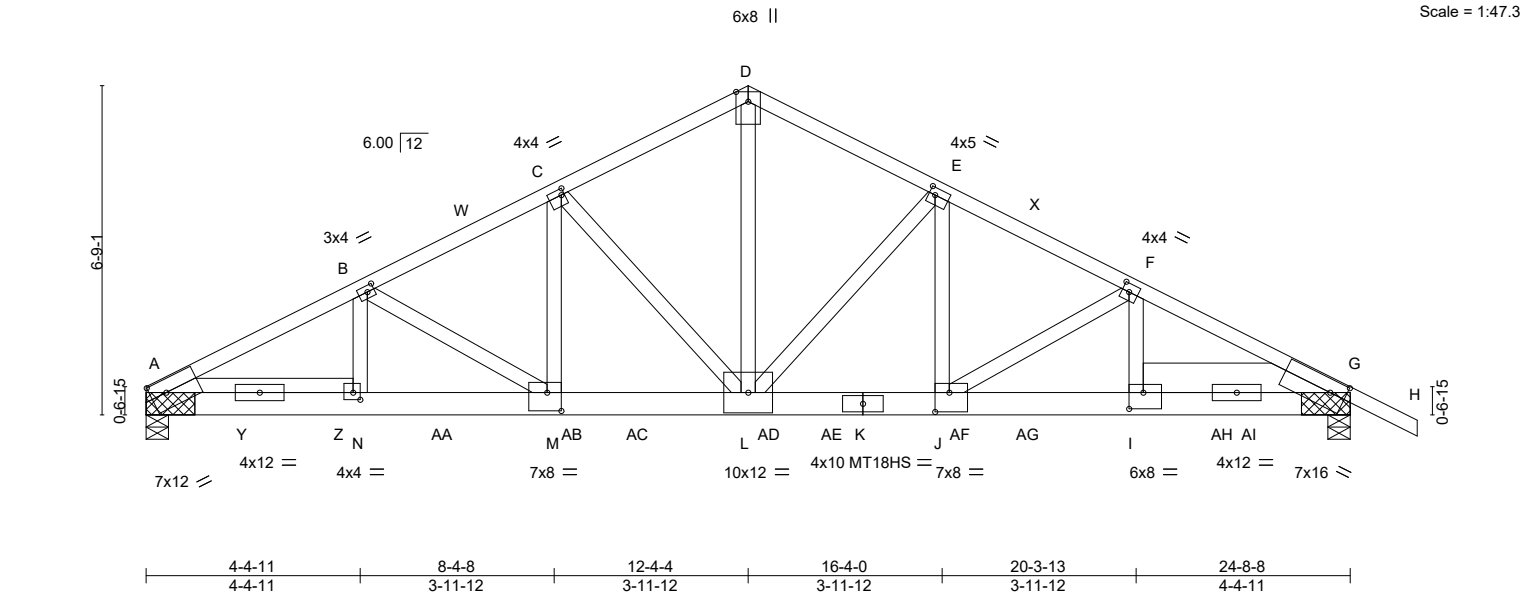


September 12,2024

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	H3	Common Girder	7	2		U1530781

Alliance Truss (CA),	Abbotsford, BC - V2S 7P6,	8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:31 2024 Page 1
		ID:hFyjDMxRTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f
		16-4-0 20-3-13 24-8-8 26-1-0
		4-4-11 3-11-12 3-11-12 3-11-12 3-11-12 3-11-12 4-4-11 1-4-8



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.93	Vert(LL)	-0.21	L-M	>999	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.63	Vert(CT)	-0.39	L-M	>753	MT18HS	220/195
TCDL 12.0	Lumber DOL 1.15	WB 0.97	Horz(CT)	0.08	G	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MS	Wind(LL)	0.11	L-M	>999		
BCDL 10.0	Code IBC2018/TPI2014						Weight: 302 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except*	TOP CHORD Structural wood sheathing directly applied or 2-1-4 oc purlins.
D-H: 2x4 SPF 2100F 1.8E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
BOT CHORD 2x6 DF 2400F 2.0E	
WEBS 2x4 SPF No.2	
SLIDER Left 2x4 SPF No.2 3-10-0, Right 2x8 SPF 1950F 1.7E 3-10-0	

REACTIONS. (size) A=(0-5-8 + bearing block) (req. 0-6-3), G=(0-5-8 + bearing block) (req. 0-6-13)
Max Horz A=-100(LC 15)
Max Uplift A=-865(LC 10), G=-971(LC 11)
Max Grav A=7891(LC 3), G=8683(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-13476/1480, B-C=-11809/1305, C-D=-9158/1041, D-E=-9156/1042, E-F=-11891/1312, F-G=-14169/1551
BOT CHORD A-N=-987/8499, M-N=-1349/11987, L-M=-1139/10537, J-L=-1079/10604, I-J=-1326/12642, G-I=-855/8046
WEBS D-L=-861/7872, E-L=-3721/471, E-J=-381/3627, F-J=-2380/315, F-I=-223/2040, C-L=-3621/460, C-M=-368/3496, B-M=-1695/245, B-N=-156/1470

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-3-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - 2x6 DF 2400F 2.0E bearing block 12" long at jt. A attached to each face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners per block. Bearing is assumed to be SPF No.2.
 - 2x6 DF 2400F 2.0E bearing block 12" long at jt. G attached to each face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners per block. Bearing is assumed to be SPF No.2.
 - 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
 - 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
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	H3	Common Girder	7	2	U1530781

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:31 2024 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

- NOTES-**
- 11) * 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.
 - 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=865, G=971.
 - 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1205 lb down and 145 lb up at 2-0-4, 1205 lb down and 145 lb up at 4-0-4, 1205 lb down and 145 lb up at 6-0-4, 1205 lb down and 145 lb up at 8-0-4, 1205 lb down and 145 lb up at 10-0-4, 1205 lb down and 145 lb up at 12-0-4, 1205 lb down and 145 lb up at 14-0-4, 1205 lb down and 145 lb up at 16-0-4, 1205 lb down and 145 lb up at 18-0-4, 1205 lb down and 145 lb up at 20-0-4, and 1205 lb down and 145 lb up at 22-0-4, and 1205 lb down and 145 lb up at 22-7-12 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-D=-74, D-H=-74, O-S=-20
 - Concentrated Loads (lb)
 - Vert: I=-1175(F) Y=-1175(F) Z=-1175(F) AA=-1175(F) AB=-1175(F) AC=-1175(F) AD=-1175(F) AE=-1175(F) AF=-1175(F) AG=-1175(F) AH=-1175(F) AI=-1175(F)

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	K1	GABLE	13	2		U1530844

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:07 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-cvIL6A4tmEyLguQm9bUSXIYiWfQXcjzhWkaMsKyeVr6

4-7-2	8-9-5	12-4-4	13-2-0
4-7-2	4-2-3	3-6-15	0-9-12

3x8 =
5x10 ||
2x4 =

Scale = 1:46.3

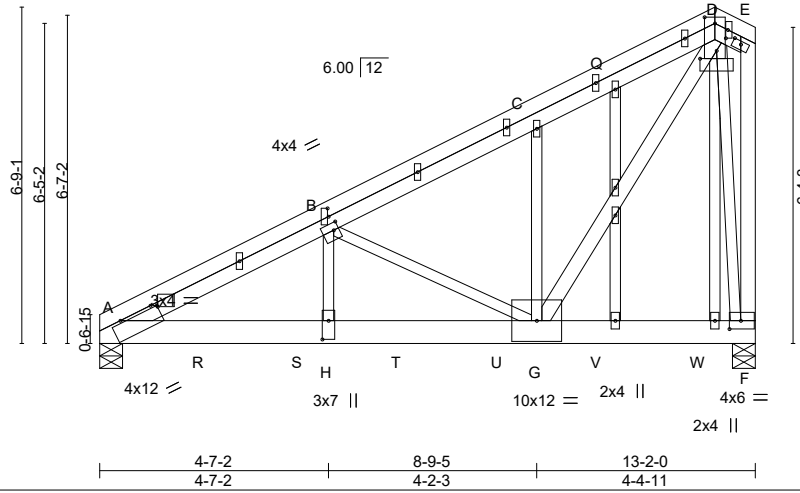


Plate Offsets (X,Y)-- [A:0-9-8,0-0-10], [B:0-1-4,0-1-12], [B:0-2-0,0-0-4], [D:0-4-0,0-1-15], [D:0-1-8,0-2-8], [D:0-2-0,0-0-8], [E:0-2-0,0-0-12], [F:0-2-12,0-2-0], [H:0-4-8,0-1-8], [O:0-1-12,0-0-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.58	Vert(LL)	-0.10	G-H	>999	MT20	197/144
TCDL 12.0	Plate Grip DOL 1.15	BC 0.58	Vert(CT)	-0.17	G-H	>878		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.81	Horz(CT)	0.02	F	n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Wind(LL)	0.05	G-H	>999	Weight: 175 lb	FT = 20%
	Code IBC2018/TPI2014							

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-11-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) A=0-5-8, F=0-5-8
Max Horz A=176(LC 28)
Max Uplift A=532(LC 10), F=630(LC 10)
Max Grav A=4676(LC 3), F=5224(LC 3)

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

TOP CHORD A-B=-7751/879, B-C=-4320/502, C-D=-4340/566, E-F=-326/86
BOT CHORD A-H=-861/7096, G-H=-862/7105, F-G=-99/451
WEBS B-H=-270/2565, B-G=-3686/477, C-G=-331/119, D-G=-833/6615, D-F=-3640/457

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x3 - 1 row at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); ls=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00
- Unbalanced snow loads have been considered for this design.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=532, F=630.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



September 12, 2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	K1	GABLE	13	2	U1530844

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:07 2024 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-cviL6A4tmEyLguQm9bUSXIYiWfQXcjzhWkaMsKyeVr6

- NOTES-**
- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1476 lb down and 180 lb up at 2-0-4, 1476 lb down and 180 lb up at 4-0-4, 1476 lb down and 180 lb up at 6-0-4, 1476 lb down and 180 lb up at 8-0-4, and 1476 lb down and 180 lb up at 10-0-4, and 1476 lb down and 180 lb up at 12-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 14) No notches allowed in overhang and 0-0-0 from left end and 0-0-0 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.
- 15) Studding applied to ply: 1(Front)

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=-74, F-N=-20

Concentrated Loads (lb)

Vert: R=-1434(F) S=-1434(F) T=-1434(F) U=-1434(F) V=-1434(F) W=-1434(F)

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	K2	GABLE	13	1		U1530845
Alliance Truss (CA), Abbotsford, BC - V2S 7P6,						Job Reference (optional)

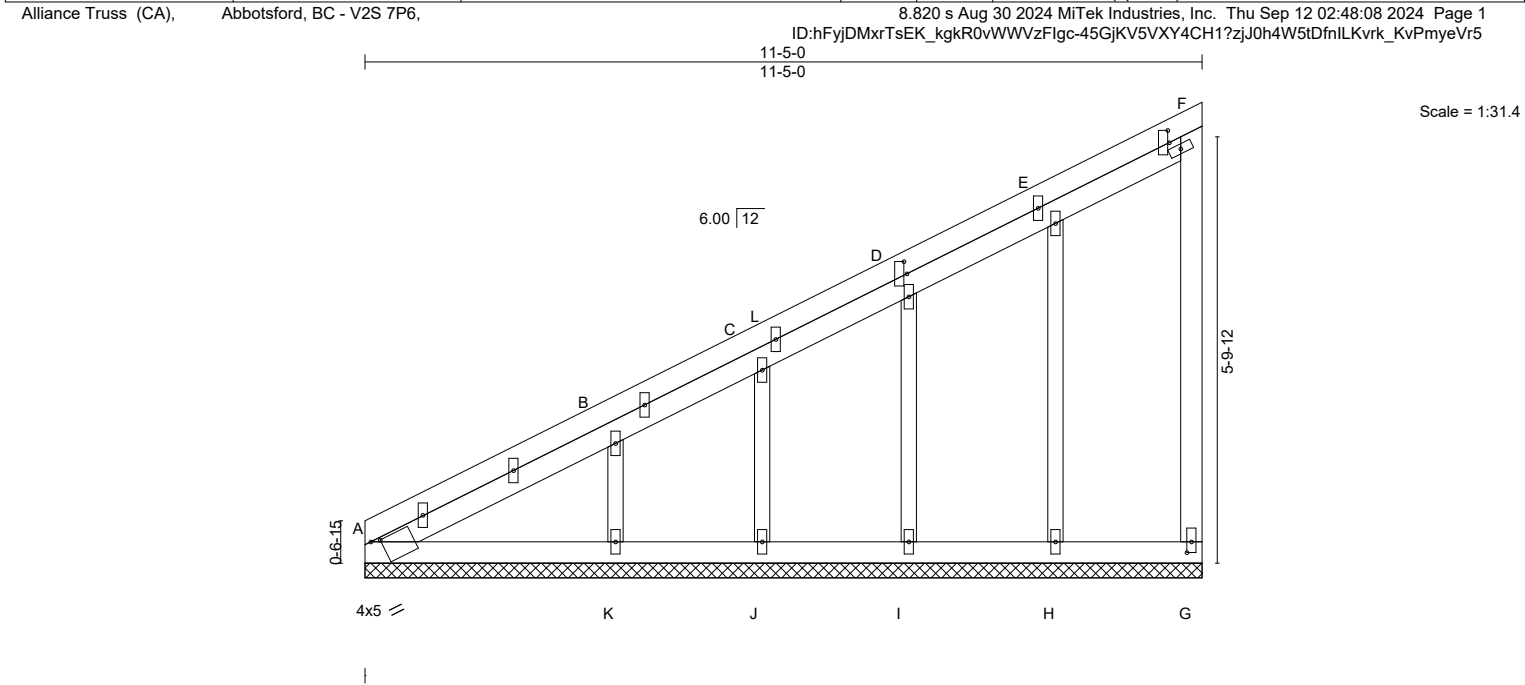


Plate Offsets (X,Y)-- [A:0-1-8,0-0-7], [D:0-2-0,0-0-8], [F:0-2-0,0-0-4], [G:0-1-12,0-0-12]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	n/a -	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.55	Vert(CT)	n/a -		
TCDL	12.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)	-0.03 G		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-S				Weight: 58 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 3-3-9 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 3-6-11 oc bracing.
WEBS	2x4 SPF No.2		
OTHERS	2x3 SPF No.2		

REACTIONS. All bearings 11-5-0.

(lb) - Max Horz A=172(LC 34)

Max Uplift All uplift 100 lb or less at joint(s) G, H, I, J, K except A=1292(LC 31)

Max Grav All reactions 250 lb or less at joint(s) G, J except A=1405(LC 38), H=275(LC 16), I=276(LC 16), K=318(LC 1)

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

TOP CHORD A-B=-3139/2996, B-C=-2237/2131, C-D=-1686/1604, D-E=-1140/1078, E-F=-587/549

BOT CHORD A-K=-2740/2746, J-K=-1938/1925, I-J=-1459/1445, H-I=-979/965, G-H=-499/485

- 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) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 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) G, H, I, J, K except (jt=lb) A=1292.
 - 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 11-5-0 for 240.0 plf.
 - 13) 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 12,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.

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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	L1	Monopitch Supported Gable	7	1		U1530782
Job Reference (optional)						

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024
MiTek Industries, Inc.
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Page 1

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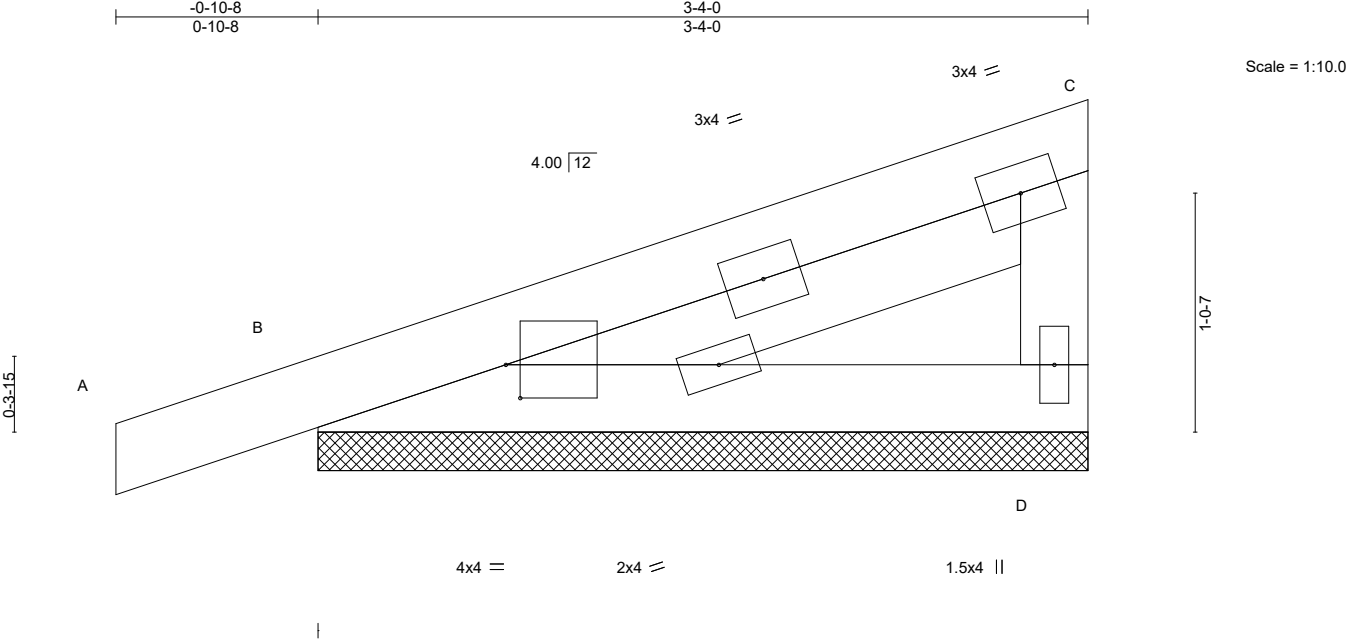


Plate Offsets (X,Y)-- [B:0-0-12,0-1-12]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.09	Vert(LL)	-0.00	A	n/r	120	MT20
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.10	Vert(CT)	0.00	A	n/r	90	197/144
TCDL 12.0	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	D	n/a	n/a	
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-P						
BCDL 10.0									
								Weight: 13 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-4-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2	

REACTIONS.	(size)	D=3-4-0, B=3-4-0
Max Horz	B=40(LC 7)	
Max Uplift	D=-19(LC 10), B=-48(LC 6)	
Max Grav	D=183(LC 17), B=297(LC 17)	

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

- NOTES-**
- 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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-16; 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
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) D, B.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) B.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



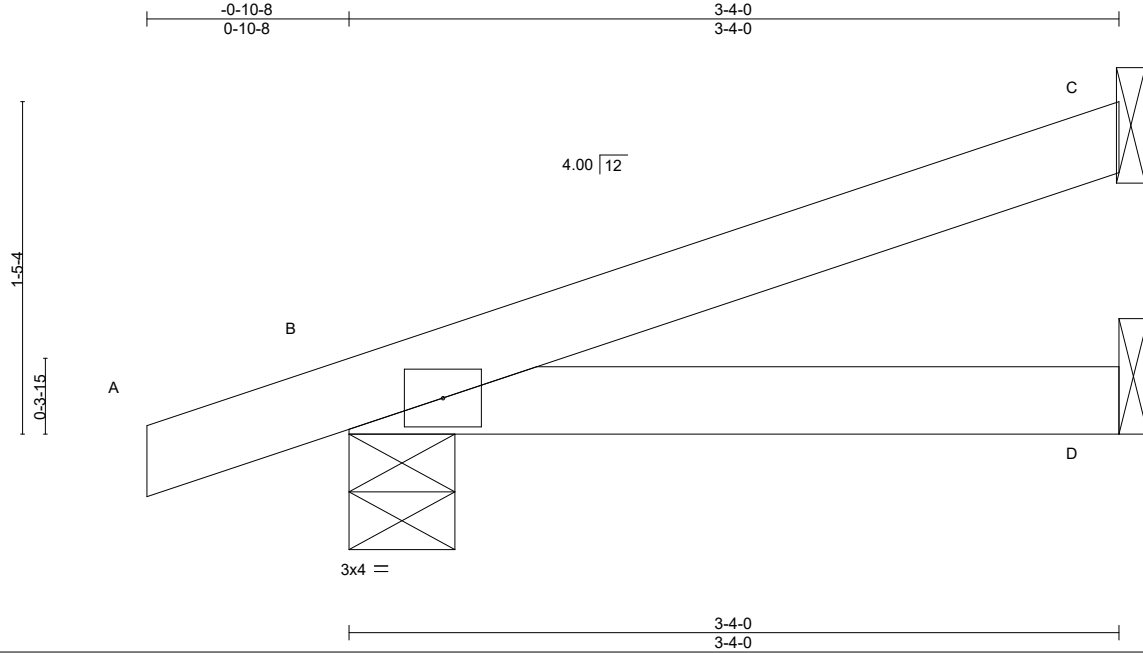
September 12,2024

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	L2	Monopitch	42	1		U1530783
Job Reference (optional)						

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:32 2024 Page 1
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.17	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.16	Vert(LL) -0.01 D-G >999 360		
TCDL 12.0	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.02 D-G >999 240		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP	Horz(CT) 0.00 B n/a n/a		
BCDL 10.0	Code IBC2018/TPI2014		Wind(LL) 0.00 D-G >999 240		
				Weight: 9 lb	FT = 20%

LUMBER-TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2**BRACING-**TOP CHORD Structural wood sheathing directly applied or 3-4-0 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=45(LC 6)
Max Uplift C=-28(LC 10), B=-46(LC 6)
Max Grav C=132(LC 17), B=302(LC 17), D=59(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 12, 2024

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	L3	Monopitch Supported Gable	9	1		U1530784
Job Reference (optional)						

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:32 2024 Page 1
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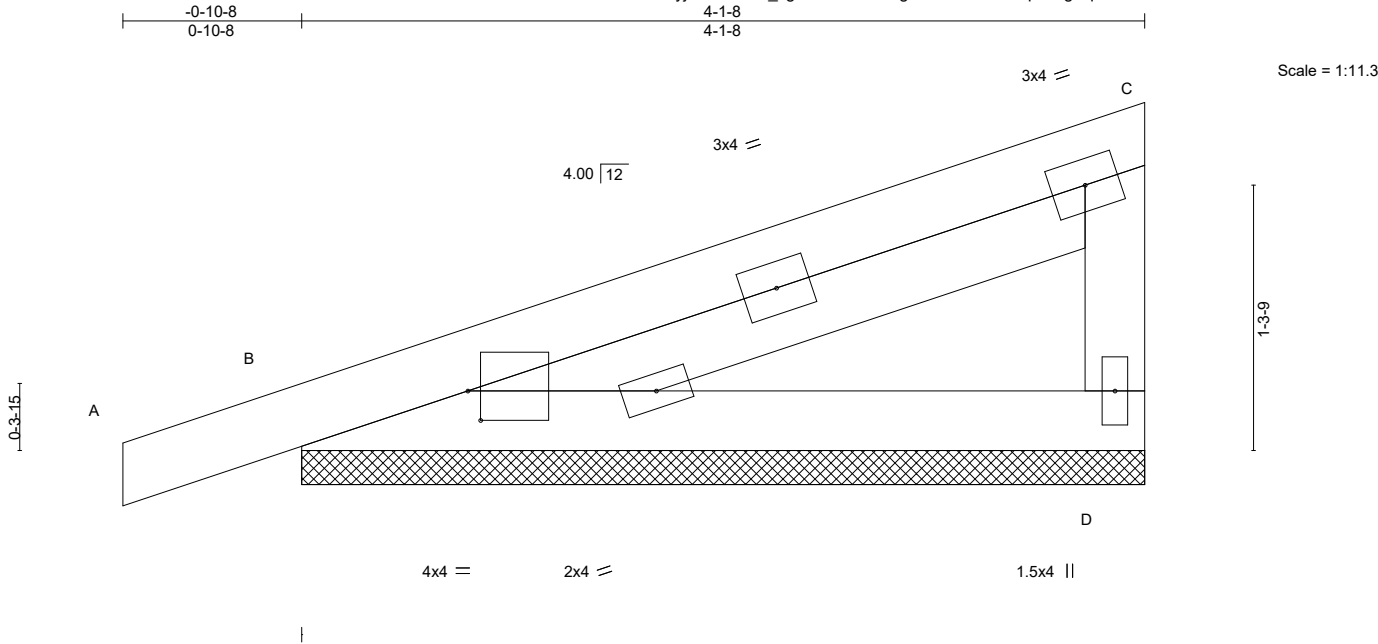


Plate Offsets (X,Y)--		[B:0-0-12,0-1-12]										
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 25.0		Plate Grip DOL	1.15	TC 0.13		Vert(LL)	-0.00	A	n/r	120	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC 0.16		Vert(CT)	0.00	A	n/r	90		
TCDL 12.0		Rep Stress Incr	YES	WB 0.00		Horz(CT)	-0.00	D	n/a	n/a		
BCLL 0.0 *		Code IBC2018/TPI2014		Matrix-P							Weight: 16 lb	FT = 20%
BCDL 10.0												

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-1-8 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2	

REACTIONS. (size) D=4-1-8, B=4-1-8
Max Horz B=49(LC 7)
Max Uplift D=-25(LC 10), B=-52(LC 6)
Max Grav D=238(LC 17), B=350(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) 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) D, B.
 - 11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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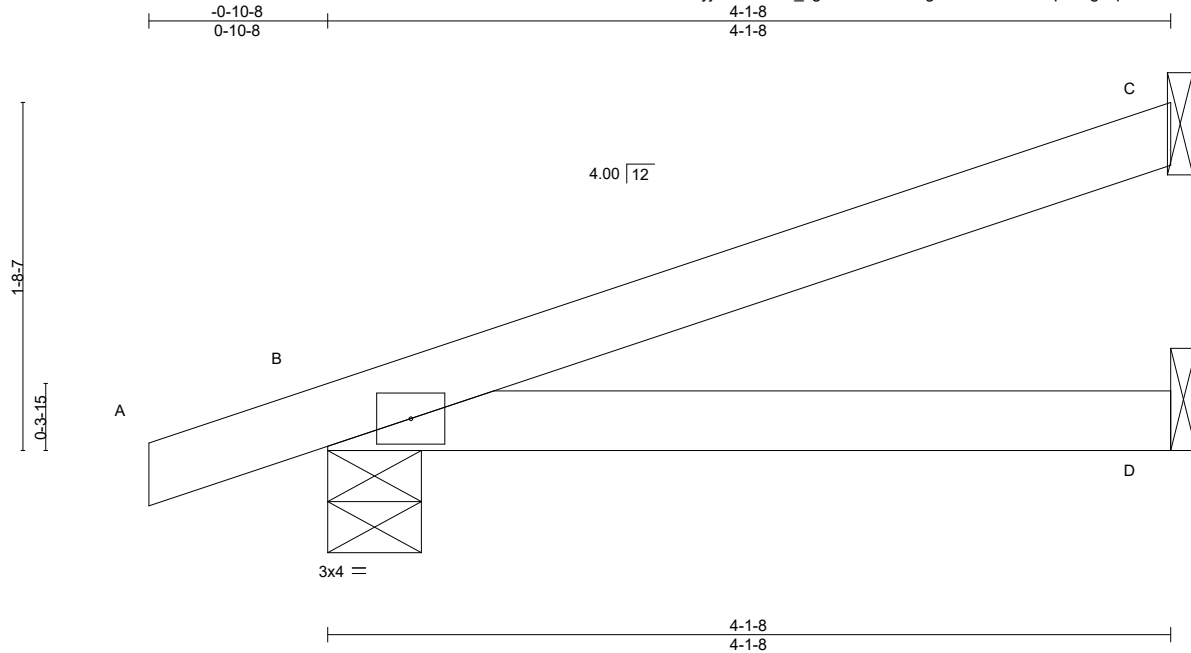


PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	L4	JACK	54	1		U1530785
Job Reference (optional)						

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:33 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.29	Vert(LL)	-0.02 D-G	>999	360	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.26	Vert(CT)	-0.04 D-G	>999	240		
TCDL 12.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.00 B	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP	Wind(LL)	0.01 D-G	>999	240		
BCDL 10.0	Code IBC2018/TPI2014						Weight: 11 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-1-8 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=53(LC 6)
Max Uplift C=-36(LC 10), B=-48(LC 6)
Max Grav C=174(LC 17), B=356(LC 17), D=74(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 12, 2024



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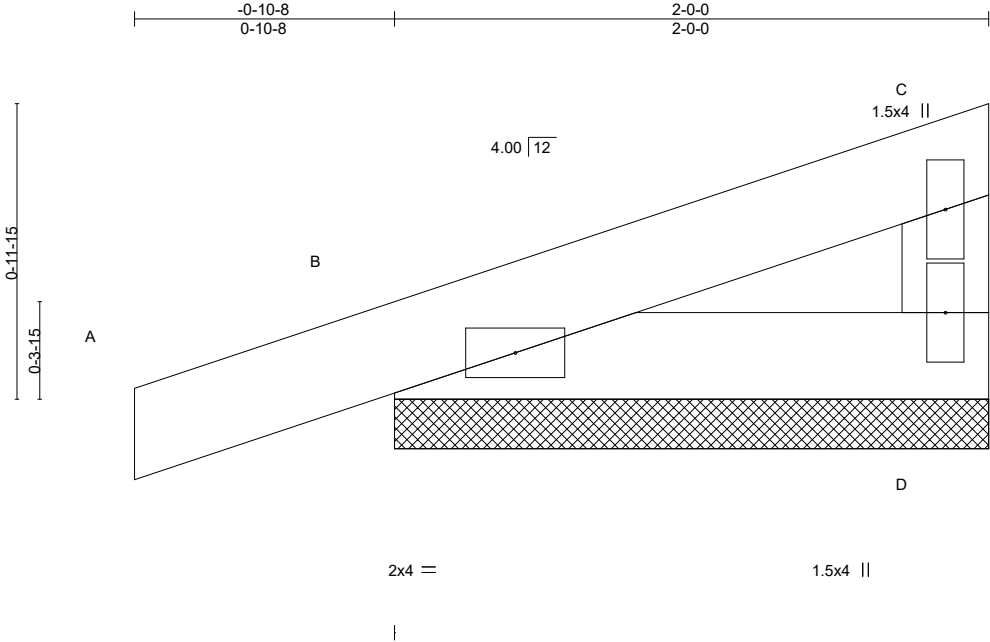
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

240 Stirling Crescent
Bradford, ON, L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	L5	Monopitch Supported Gable	2	1		U1530786
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:33 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWvzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWwCDoi7J4zJC?f



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	A	n/r	120	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.03	Vert(CT)	0.00	A	n/r	90	
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-P						
BCDL 10.0									
								Weight: 6 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2	

REACTIONS. (size) D=2-0-0, B=2-0-0
Max Horz B=26(LC 7)
Max Uplift D=-9(LC 10), B=-45(LC 6)
Max Grav D=89(LC 17), B=214(LC 17)

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

- NOTES-**
- 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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-16; 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
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) D, B.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024

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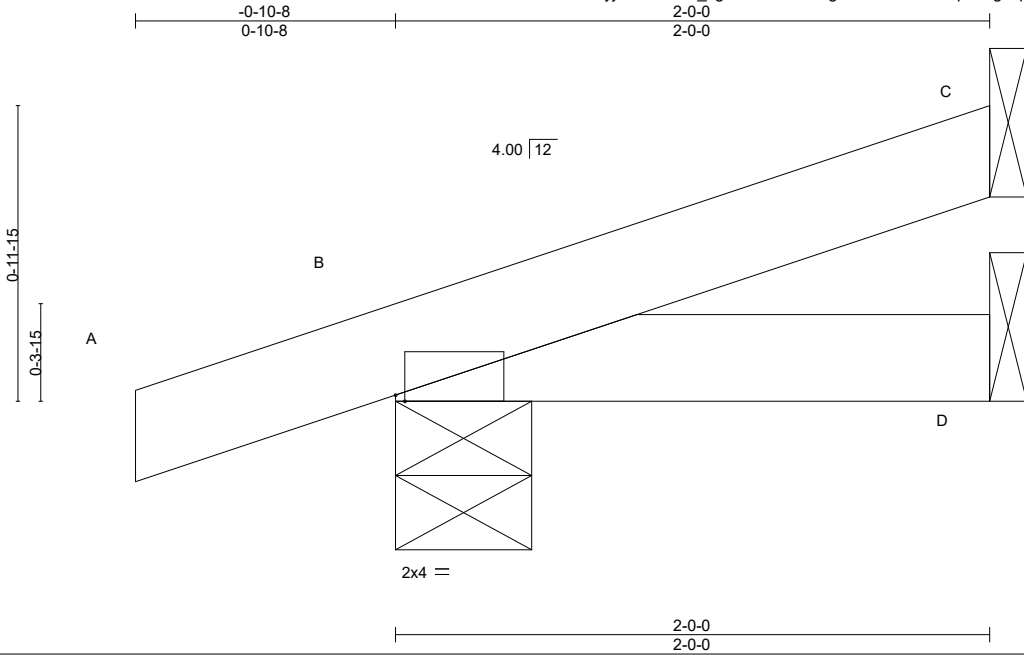


PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	L6	Monopitch	9	1		U1530787
Job Reference (optional)						

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:34 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Scale = 1:7.8

Plate Offsets (X,Y)-- [B:0-0-6,Edge]

LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		I/defl		L/d		PLATES		GRIP			
TCLL 25.0		Plate Grip DOL		1.15		TC 0.15		Vert(LL)		-0.00		G		>999		360		MT20		197/144	
(Roof Snow=25.0)		Lumber DOL		1.15		BC 0.20		Vert(CT)		-0.01		G		>999		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)		0.00		G		>999		240		Weight: 6 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) B=0-5-8, D=Mechanical
Max Horz B=30(LC 6)
Max Uplift B=42(LC 6), D=-12(LC 7)
Max Grav B=222(LC 17), D=104(LC 16)

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

NOTES-

- 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
- 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
- Unbalanced snow loads have been considered for this design.
- 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.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, D.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024



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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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

240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	M1	Monopitch	44	1		U1530846
Job Reference (optional)						

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,
8.820 s Aug 30 2024 MiTek Industries, Inc.
Thu Sep 12 02:48:09 2024
Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-YHq5Xr57HrC3vBa9G0Xwcje5G36R4jK_ze3TxDyeVr4
11-2-6
4-8-2
16-1-0
4-10-10

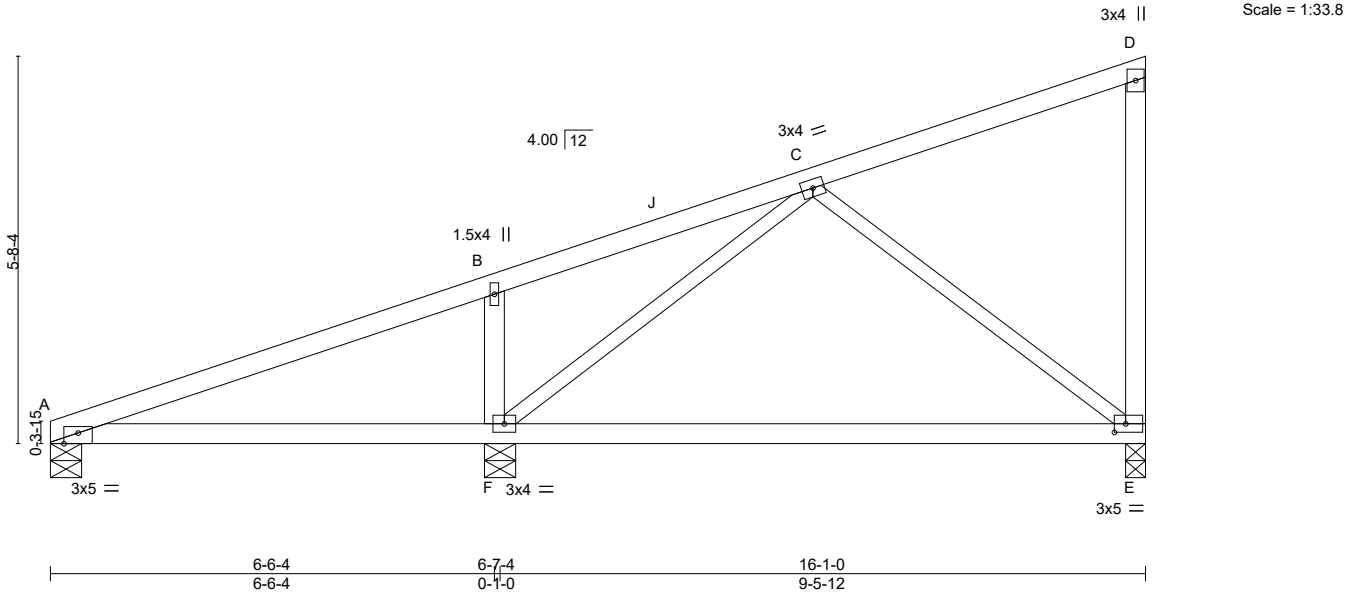


Plate Offsets (X,Y)-- [A:0-2-8,Edge], [E:0-2-0,0-1-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.21 E-F	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.40 E-F		
TCDL	12.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.01 E		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.04 F-I	Weight: 55 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SPF No.2 *Except*		
	C-F,C-E: 2x3 SPF No.2		

REACTIONS. (size) A=0-5-8, F=0-5-8, E=0-3-8
Max Horz A=176(LC 9)
Max Uplift A=-27(LC 6), F=-92(LC 6), E=-70(LC 10)
Max Grav A=266(LC 16), F=896(LC 16), E=550(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD E-F=-89/343
WEBS B-F=-447/147, C-F=-345/39, C-E=-411/116

- NOTES-**
- 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
 - 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
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, F, E.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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PRMU20240284 - BLDG C

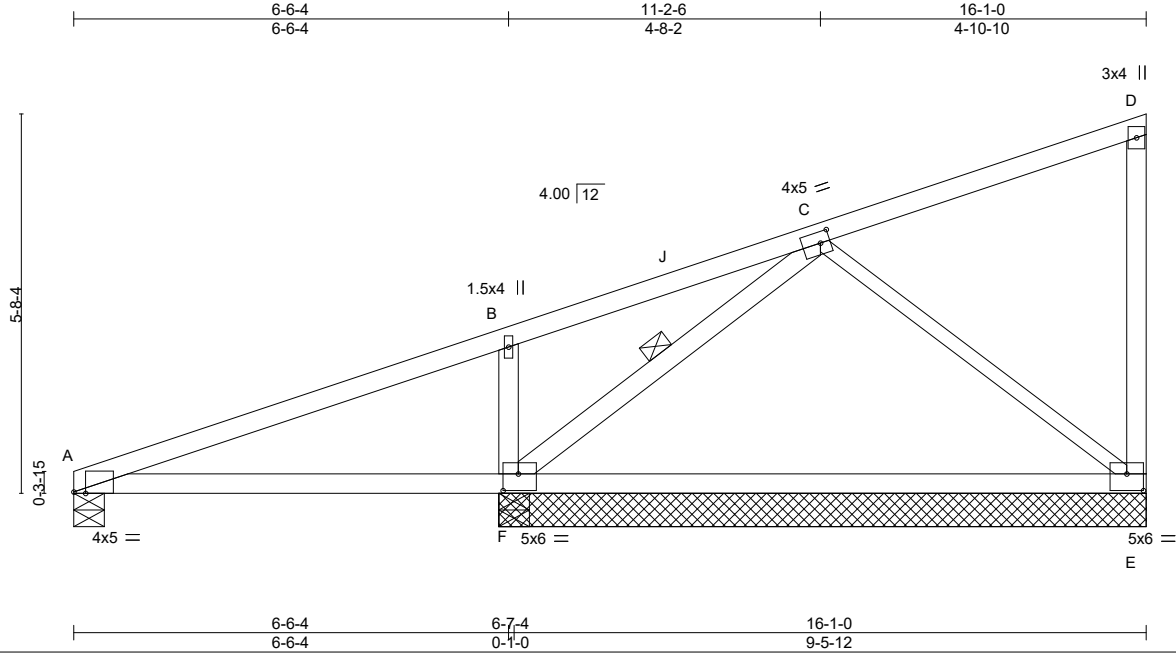
Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	M2	Monopitch	44	1		U1530847

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:09 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-YHq5Xr57HrC3vBa9G0Xwcje5G3274bb_ze3TxDyeVr4



Scale = 1:34.6

Plate Offsets (X,Y)--	[A:0-2-2,Edge], [C:0-1-12,0-2-0], [E:0-3-0,0-3-0], [F:0-2-12,0-3-0]
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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 0.43	Vert(LL)	-0.21	E-F	>545	360	MT20
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.89	Vert(CT)	-0.40	E-F	>283	240	197/144
TCDL 12.0	Rep Stress Incr	YES	WB 0.87	Horz(CT)	-0.04	E	n/a	n/a	
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.06	F-I	>999	240	
BCDL 10.0									Weight: 57 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-8-15 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SPF No.2 *Except*	WEBS 1 Row at midpt C-F
C-E: 2x3 SPF No.2	

REACTIONS. All bearings 0-5-8 except (jt=length) E=9-8-8.
 (lb) - Max Horz A=257(LC 38)
 Max Uplift All uplift 100 lb or less at joint(s) except A=-550(LC 31), F=-1377(LC 31), E=-601(LC 40)
 Max Grav All reactions 250 lb or less at joint(s) except A=635(LC 52), F=1747(LC 28), F=836(LC 1), E=852(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=-1541/1392, B-C=-1250/1232, C-D=-1290/1209
 BOT CHORD A-F=-1548/1488, E-F=-3159/3153
 WEBS B-F=-446/147, C-F=-2137/2094, C-E=-966/974

- 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 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 550 lb uplift at joint A, 1377 lb uplift at joint F and 601 lb uplift at joint E.
 - 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 8) 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 6-4-8 to 16-1-0 for 397.6 plf.



September 12, 2024

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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	M3	Monopitch	44	1		U1530848
Job Reference (optional)						

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,
8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:10 2024
Page 1
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11-2-6
4-8-2
16-1-0
4-10-10

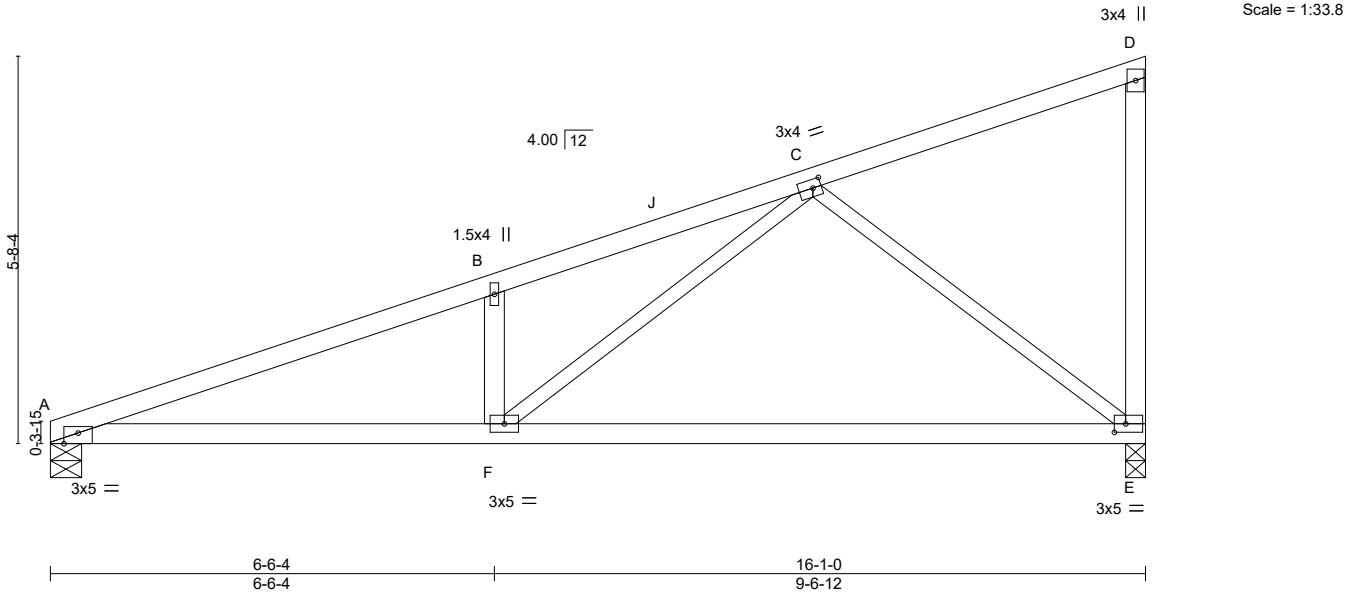


Plate Offsets (X,Y)-- [A:0-2-8,Edge], [C:0-1-8,0-1-8], [E:0-2-0,0-1-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	-0.23 E-F	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.46 E-F		
TCDL	12.0	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.03 E		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.06 F-I	Weight: 55 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 3-6-12 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SPF No.2 *Except*		
	C-F,C-E: 2x3 SPF No.2		

REACTIONS. (size) A=0-5-8, E=0-3-8
Max Horz A=176(LC 9)
Max Uplift A=-81(LC 6), E=-108(LC 10)
Max Grav A=795(LC 16), E=916(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-1739/147, B-C=-1752/205
BOT CHORD A-F=-176/1607, E-F=-96/806
WEBS B-F=-423/145, C-F=-103/1029, C-E=-1000/176

- 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 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 81 lb uplift at joint A and 108 lb uplift at joint E.
 - 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	M4	MONOPITCH	4	1		U1530849

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:10 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-1UOTIB6I29KvXL8Lqk299xADHSPAp468Clp0TfyeVr3

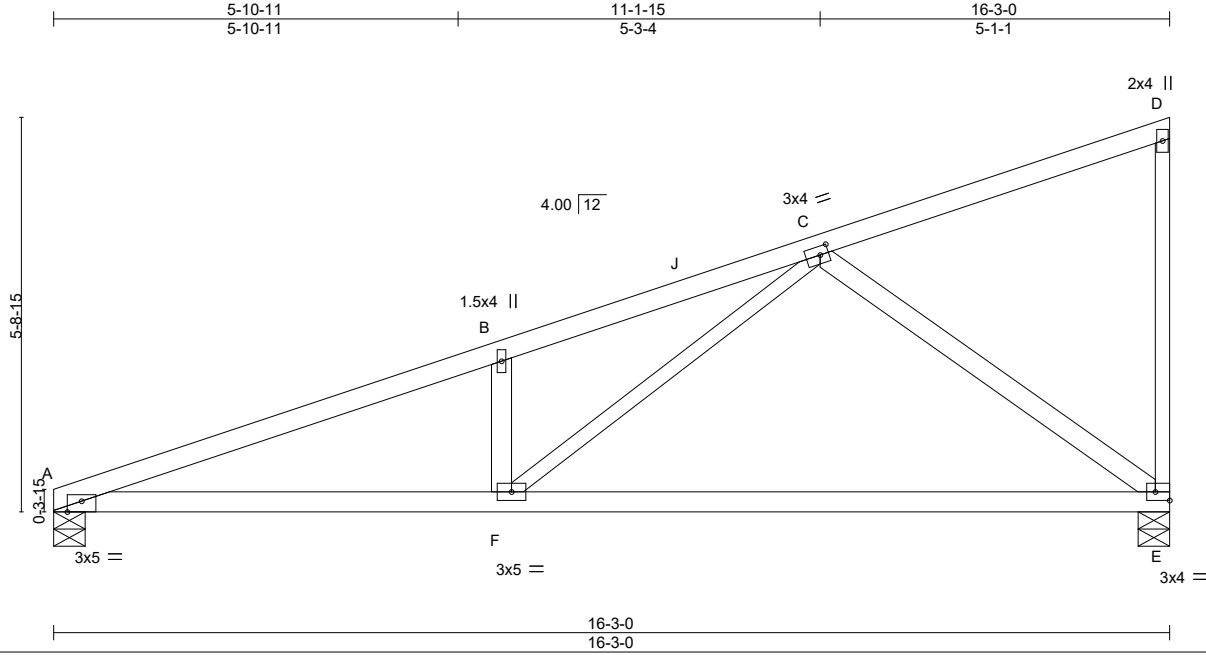


Plate Offsets (X,Y)-- [A:0-2-8,Edge], [C:0-1-8,0-1-8], [E:Edge,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.54	Vert(LL)	-0.27	E-F	>725	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.78	Vert(CT)	-0.54	E-F	>360		
TCDL 12.0	Lumber DOL 1.15	WB 0.72	Horz(CT)	0.03	E	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Wind(LL)	0.06	F-I	>999		
BCDL 10.0	Code IBC2018/TPI2014						Weight: 56 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-6-3 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) A=0-5-8, E=0-5-8
 Max Horz A=163(LC 6)
 Max Uplift A=-68(LC 6), E=-123(LC 6)
 Max Grav A=804(LC 16), E=927(LC 16)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=-1770/100, B-C=-1778/157
 BOT CHORD A-F=-216/1635, E-F=-146/846
 WEBS B-F=-413/142, C-F=-90/1024, C-E=-1040/186

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 exposed ; end vertical left 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 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 68 lb uplift at joint A and 123 lb uplift at joint E.
- 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024



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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

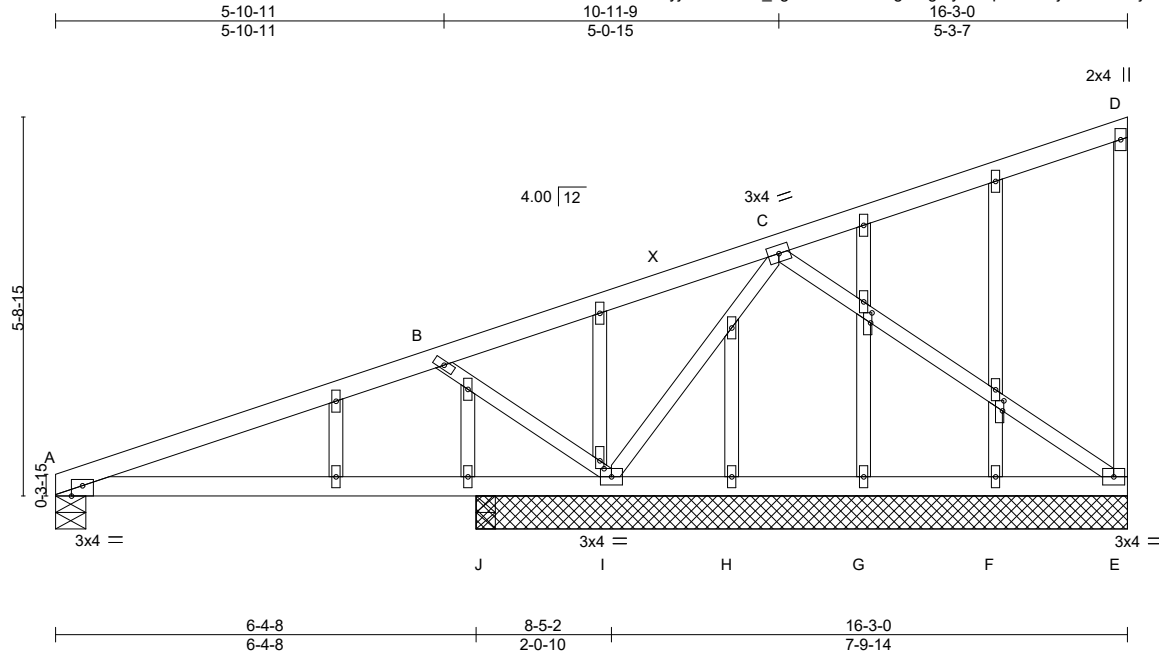
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	M5	Monopitch Structural Gable	4	1	U1530850 Job Reference (optional)

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U1530850

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A horizontal timeline with a vertical tick mark. The label "1-9" is positioned to the left of the tick mark, and the label "16-3-0" is positioned to the right of the tick mark.



Scale = 1:34.9

Plate Offsets (X,Y)-- [A:0-2-0,Edge], [I:0-1-7,0-0-12], [L:0-1-13,0-0-4], [N:0-1-13,0-0-4]

[illegible]

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x3 SPF No.2
OTHERS	2x3 SPF No.2

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.

All bearings 9-10-8 except (jt=length) A=0-5-8, J=0-3-8.

(lb) - Max Horz A=178(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) A, E except I=-185(LC 10)

Max Grav All reactions 250 lb or less at joint(s) F, G, H except A=305(LC 1), I=722(LC 16), E=369(LC 16), J=271(LC 5)

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

TOP CHORD A-B=-281/29, B-C=-103/253

WEBS B-I=-498/156, C-I=-607/128

- 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 ; e and 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, E except (jt=lb) I=185.
- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1



September 12, 2024



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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

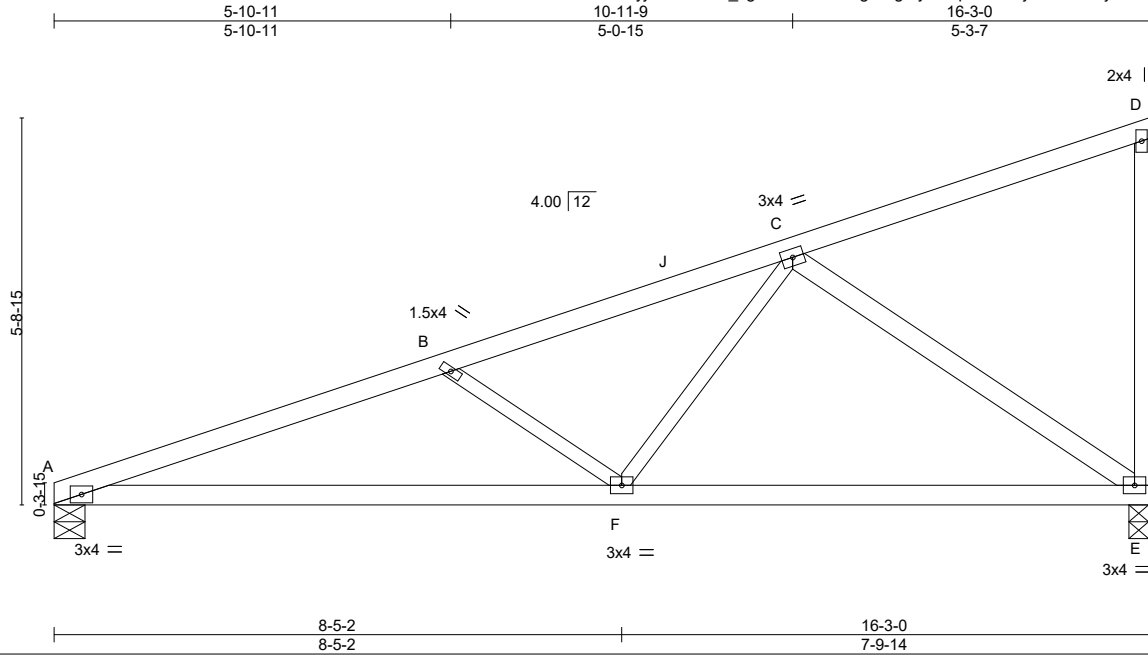


240 Stirling Crescent
Bradford, ON, L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	M6	MONOPITCH	4	1	Job Reference (optional)	U1530851

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ID:hFyjDMxrTsEK_kgkR0vWWvZFlgc-VgxryX7NpTsm8VjYORZO8jP1sn3YWDHRyYa?5yeVr2



LOADING (psf)		CSL.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	SPACING- 2-0-0	TC 0.48	Vert(LL)	-0.10	F-I	>999	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.67	Vert(CT)	-0.22	F-I	>876		
TCDL 12.0	Lumber DOL 1.15	WB 0.79	Horz(CT)	0.03	E	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Wind(LL)	0.06	F-I	>999	Weight: 55 lb	FT = 20%
BCDL 10.0	Code IBC2018/TPI2014							

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

TOP CHORD	Structural wood sheathing directly applied or 3-8-11 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

(size) A=0-5-8, E=0-3-8
Max Horz A=163(LC 6)
Max Uplift A=-68(LC 6), E=-123(LC 6)
Max Grav A=804(LC 16), E=927(LC 16)

TOP CHORD A-B=-1762/150, B-C=-1370/76
BOT CHORD A-F=-267/1643, E-F=-143/909
WEBS B-F=-502/150, C-F=-4/597, C-E=-1101/175

- 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 exposed; end vertical left 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 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 except (jt=lb) E=123.
- 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024



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

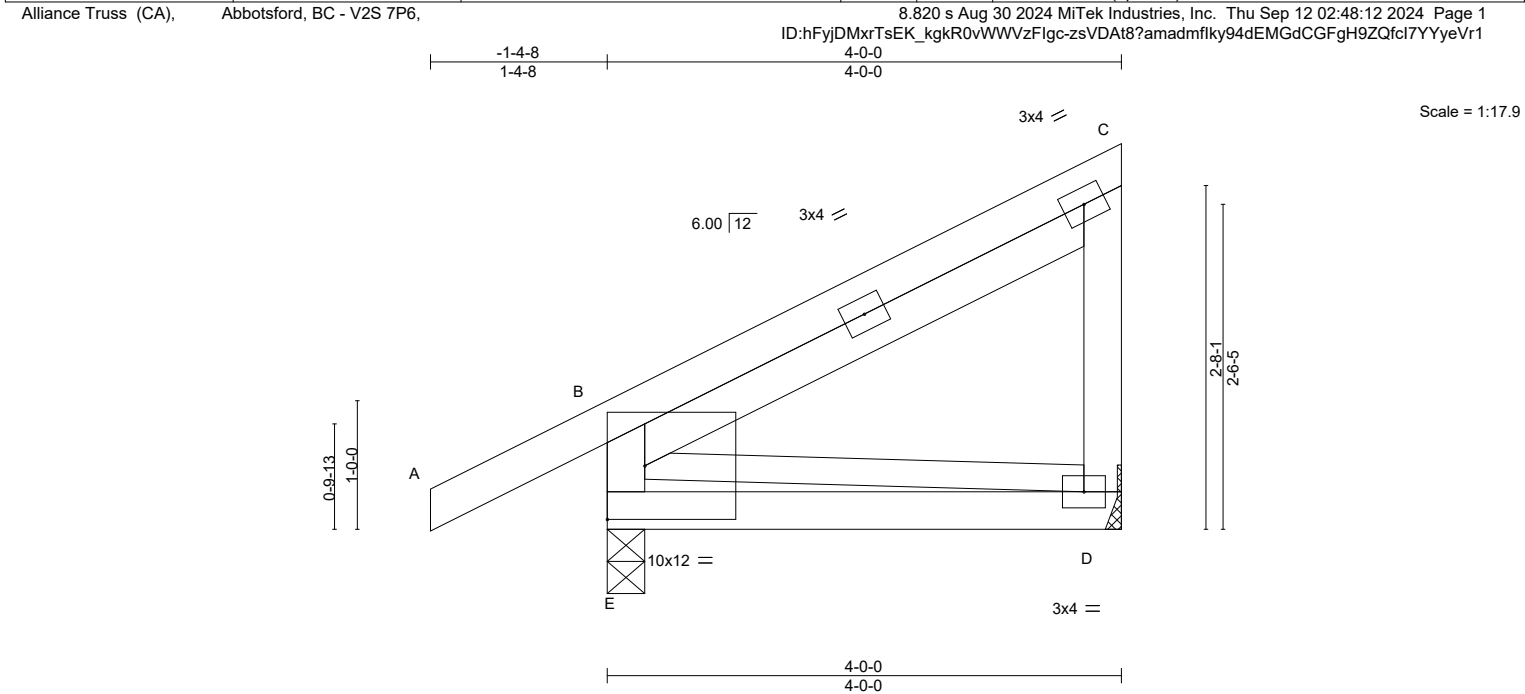
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



240 Stirling Crescent
Bradford, ON, L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	N1	MONOPITCH SUPPORTED	48	1		U1530852
Alliance Truss (CA), Abbotsford, BC - V2S 7P6,						8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:12 2024 Page 1
						ID:hFyjDMxrTsEK_kgkR0vWWVzFJgc-zsVDA8?amadmflky94dEMGdCGFgH9ZQfcl7YYeVr1
						Job Reference (optional)



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.26	Vert(LL)	-0.01	D-E	>999	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.14	Vert(CT)	-0.02	D-E	>999		
TCDL 12.0	Lumber DOL 1.15	WB 0.02	Horz(CT)	-0.00	D	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP	Wind(LL)	0.00	E	****		
BCDL 10.0	Code IBC2018/TPI2014						Weight: 22 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.2 *Except*	
B-D: 2x3 SPF No.2	

REACTIONS. (size) E=0-3-8, D=Mechanical
Max Horz E=87(LC 7)
Max Uplift E=-41(LC 10), D=-30(LC 10)
Max Grav E=450(LC 17), D=210(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-E=-414/59

- 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) 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, D.
 - 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	N2	MONOPITCH	120	1		U1530853
Job Reference (optional)						

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:12 2024 Page 1
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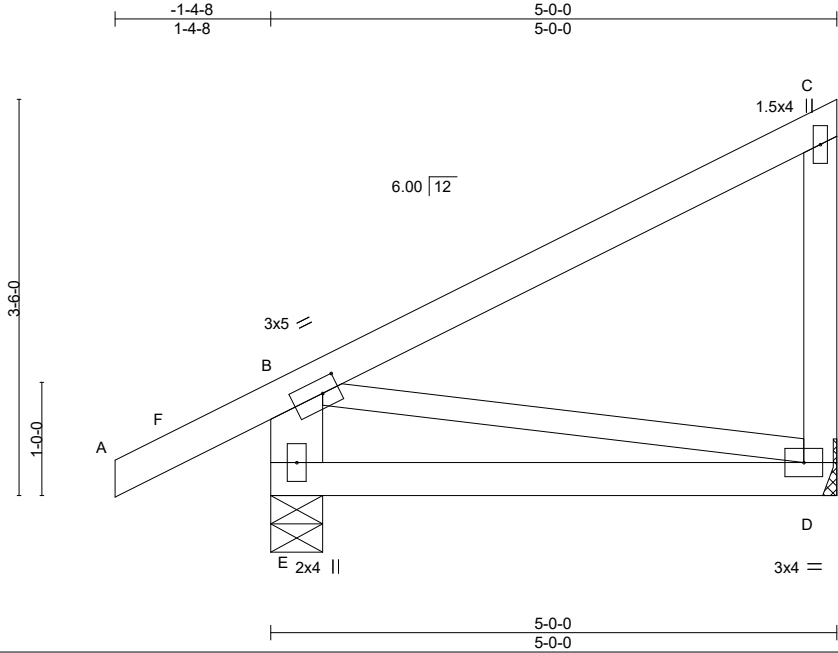


Plate Offsets (X,Y)-- [B:0-1-12,0-1-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	25.0	2-0-0		TC	0.54	in (loc)	l/defl	L/d	GRIP
(Roof Snow=25.0)		Plate Grip DOL	1.15	BC	0.22	Vert(LL)	-0.03 D-E	>999	360
TCDL	12.0	Lumber DOL	1.15	WB	0.02	Vert(CT)	-0.05 D-E	>999	240
BCLL	0.0 *	Rep Stress Incr	YES	Matrix-MP		Horz(CT)	-0.00 D	n/a	n/a
BCDL	10.0	Code IBC2018/TPI2014				Wind(LL)	0.00 E	****	240
								Weight: 22 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SPF No.2 *Except*		
	B-E: 2x6 SPF No.2, B-D: 2x3 SPF No.2		

REACTIONS. (size) D=Mechanical, E=0-5-8
Max Horz E=105(LC 7)
Max Uplift D=-38(LC 10), E=-45(LC 10)
Max Grav D=281(LC 17), E=485(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-E=-439/68

- 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) 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) D, E.
 - 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024

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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	P1	GABLE	7	1		U1530854
						Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:14 2024 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-vFd_bZ9G6OqL?zS73Z65JnLs14pLlqDj7wnEcQyeVr?

- NOTES-**
- 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 21-8-8 for 342.3 plf.
 - 13) No notches allowed in overhang and 10408 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.

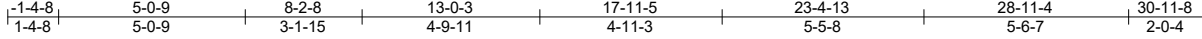
PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	P2A	Scissor	38	1		U1530855
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:15 2024 Page 1

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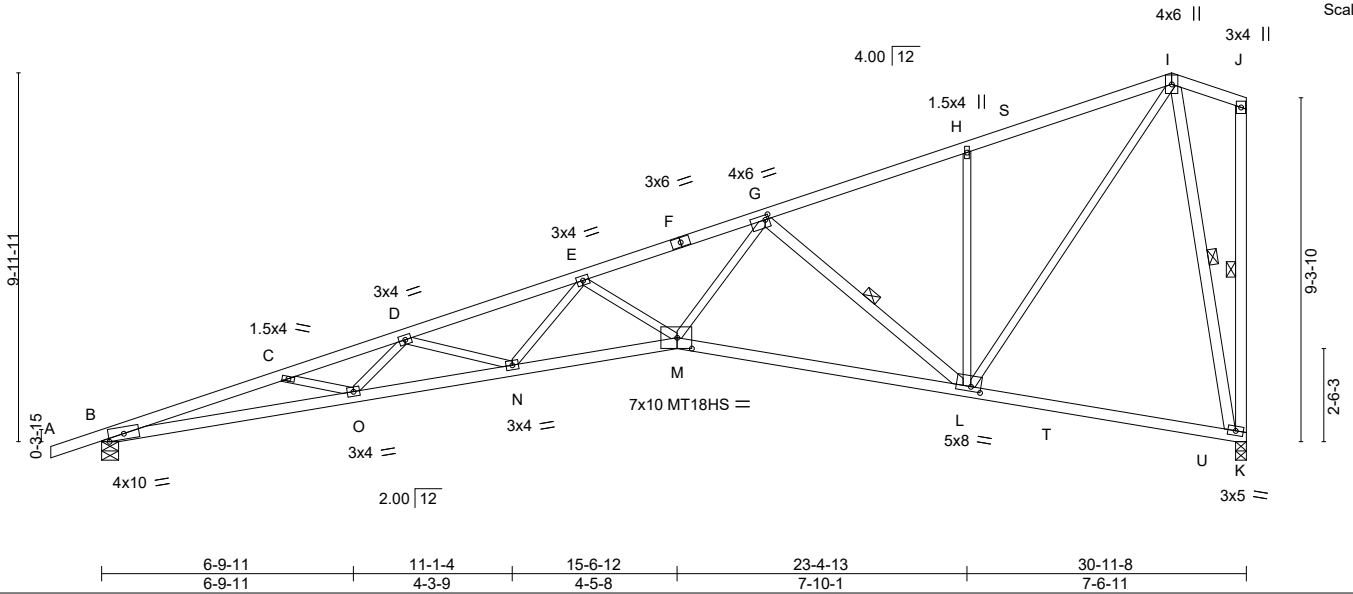


Plate Offsets (X,Y)--	[G:0-1-4,0-1-8], [L:0-3-4,0-1-8], [M:0-4-12,0-3-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP	
TCLL 25.0	Plate Grip DOL	1.15	TC 0.59	Vert(LL)	-0.54	N-O	>683	360	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.83	Vert(CT)	-0.98	N-O	>376	240	MT18HS	197/144
TCDL 12.0	Rep Stress Incr	YES	WB 0.84	Horz(CT)	0.45	K	n/a	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.31	N-O	>999	240		
BCDL 10.0									Weight: 131 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except* A-F: 2x4 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 2-4-4 oc purlins, except end verticals.
BOT CHORD 2x4 SPF 2100F 1.8E	BOT CHORD Rigid ceiling directly applied or 8-3-6 oc bracing.
WEBS 2x3 SPF No.2 *Except* G-L,J-K,I-K: 2x4 SPF No.2	WEBS 1 Row at midpt G-L, J-K, I-K

REACTIONS. (size) B=0-5-8, K=0-3-8
Max Horz B=300(LC 9)
Max Uplift B=205(LC 6), K=185(LC 6)
Max Grav B=1586(LC 3), K=1547(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-6709/822, C-D=-6571/758, D-E=-5757/677, E-G=-4567/538, G-H=-1496/191, H-I=-1515/253
BOT CHORD B-O=-903/6397, N-O=-838/6187, M-N=-656/5068, L-M=-362/2974, K-L=-89/322
WEBS D-N=-721/153, E-N=-55/729, E-M=-877/183, G-M=-259/2437, G-L=-2054/322, H-L=-479/152, I-L=-262/1982, I-K=-1478/168

- 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) 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, with BCDL = 10.0psf.
 - 8) Bearing at joint(s) B, K considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=205, K=185.
 - 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



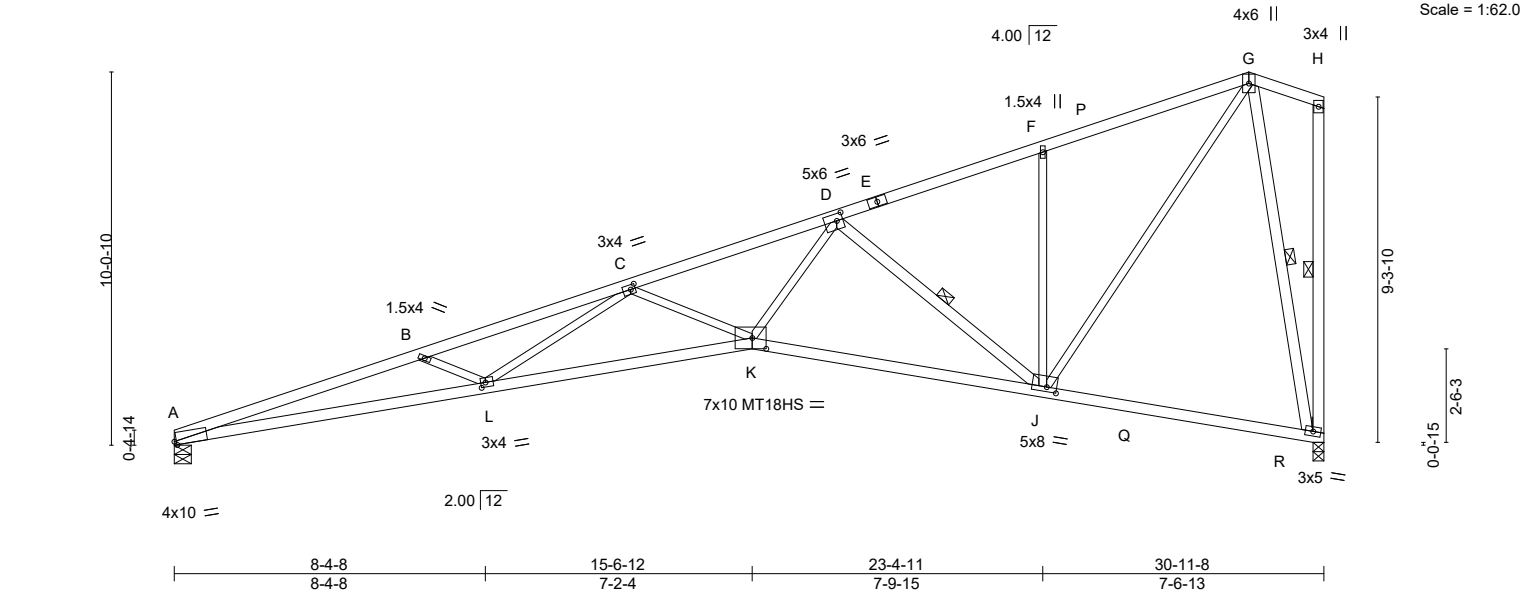
September 12,2024

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	P3A	Scissor	4	1		U1530856
Job Reference (optional)						

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,
8.820 s Aug 30 2024 MiTek Industries, Inc.
Thu Sep 12 02:48:16 2024
Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-rdlk?FBWw?43FGcVB_9ZOCQC5tRJDms0aDGLgJyeVqz

6-8-14
6-8-14
12-3-8
5-6-9
17-10-1
5-6-9
23-4-11
5-6-9
28-11-4
5-6-9
30-11-8
2-0-4



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.59	MT20	197/144		
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.86	Vert(CT)	-1.09	MT18HS	197/144		
TCDL	12.0	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.45				
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.32				
BCDL	10.0							Weight: 127 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2 *Except* A-E: 2x4 SPF 2100F 1.8E	TOP CHORD	Structural wood sheathing directly applied or 2-3-2 oc purlins, except end verticals.
BOT CHORD	2x4 SPF 2100F 1.8E	BOT CHORD	Rigid ceiling directly applied or 8-2-2 oc bracing.
WEBS	2x3 SPF No.2 *Except* D-J,H-I,G-I: 2x4 SPF No.2	WEBS	1 Row at midpt D-J, H-I, G-I

REACTIONS. (size) A=0-5-8, I=0-3-8
Max Horz A=292(LC 9)
Max Uplift A=-160(LC 6), I=-186(LC 6)
Max Grav A=1499(LC 3), I=1549(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-6798/848, B-C=-6399/734, C-D=-4600/539, D-F=-1502/193, F-G=-1520/255
BOT CHORD A-L=-921/6500, K-L=-713/5265, J-K=-372/3038, I-J=-89/322
WEBS B-L=-487/180, C-L=-55/1066, C-K=-995/222, D-K=-249/2425, D-J=-2108/331, F-J=-480/151, G-J=-263/1985, G-I=-1478/168

- NOTES-**
- 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
 - 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
 - Unbalanced snow loads have been considered for this design.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) I considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=160, I=186.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) A.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	P4	Common	25	1		U1530788

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:35 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWCrCDoi7J4zJC?f

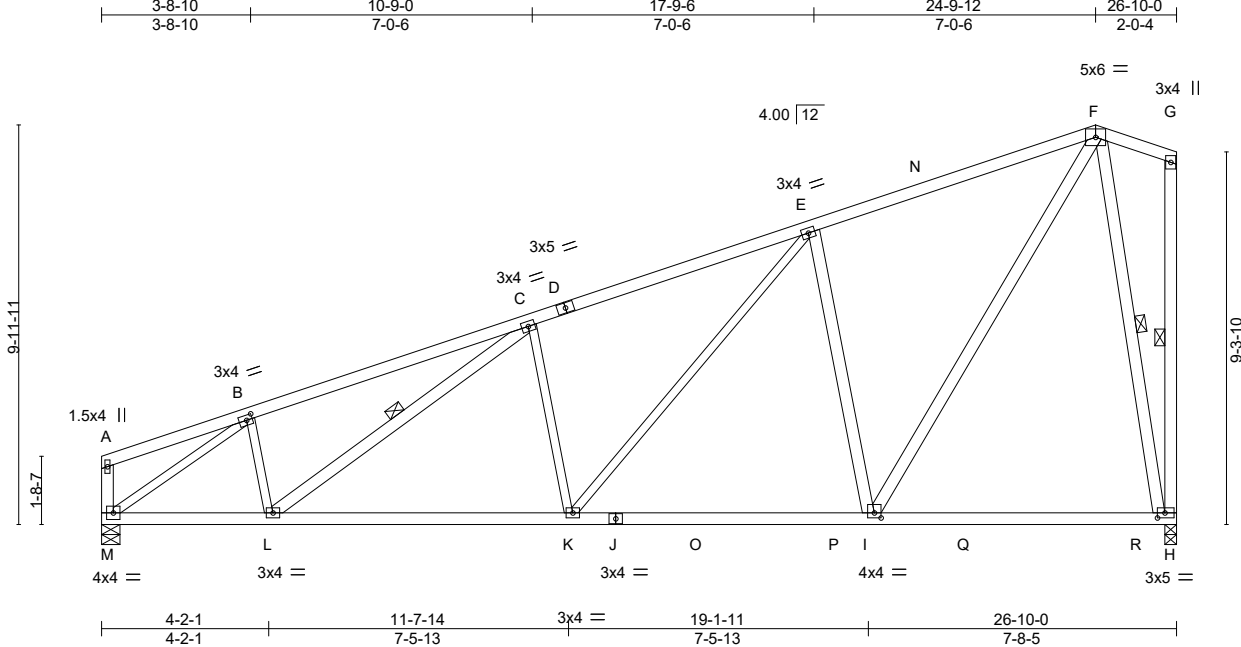


Plate Offsets (X,Y)--	[B:0-1-12,0-1-8], [H:0-2-4,0-1-8], [I:0-2-0,0-1-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 25.0	Plate Grip DOL	1.15	TC 0.72	Vert(LL)	-0.16	H-I	>999	360	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.72	Vert(CT)	-0.26	H-I	>999	240		
TCDL 12.0	Rep Stress Incr	YES	WB 0.97	Horz(CT)	0.05	H	n/a	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.06	K-L	>999	240		
BCDL 10.0									Weight: 132 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-7-7 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2 *Except*	WEBS 1 Row at midpt C-L, G-H, F-H
B-L,C-K,E-K,B-M: 2x3 SPF No.2	

REACTIONS. (size) M=0-5-8, H=0-3-8
Max Horz M=285(LC 9)
Max Uplift M=-134(LC 6), H=-162(LC 6)
Max Grav M=1315(LC 3), H=1375(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1838/235, C-E=-1856/258, E-F=-1121/203
BOT CHORD L-M=-260/1628, K-L=-227/1770, I-K=-132/1159, H-I=-84/251
WEBS B-L=0/298, C-K=-472/178, E-K=-127/854, E-I=-983/250, F-I=-199/1456, B-M=-1974/205, F-H=-1277/165

- 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 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, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) M=134, H=162.
 - 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	P5	GABLE	4	1	U1530789 Job Reference (optional)

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:37 2024 Page 1

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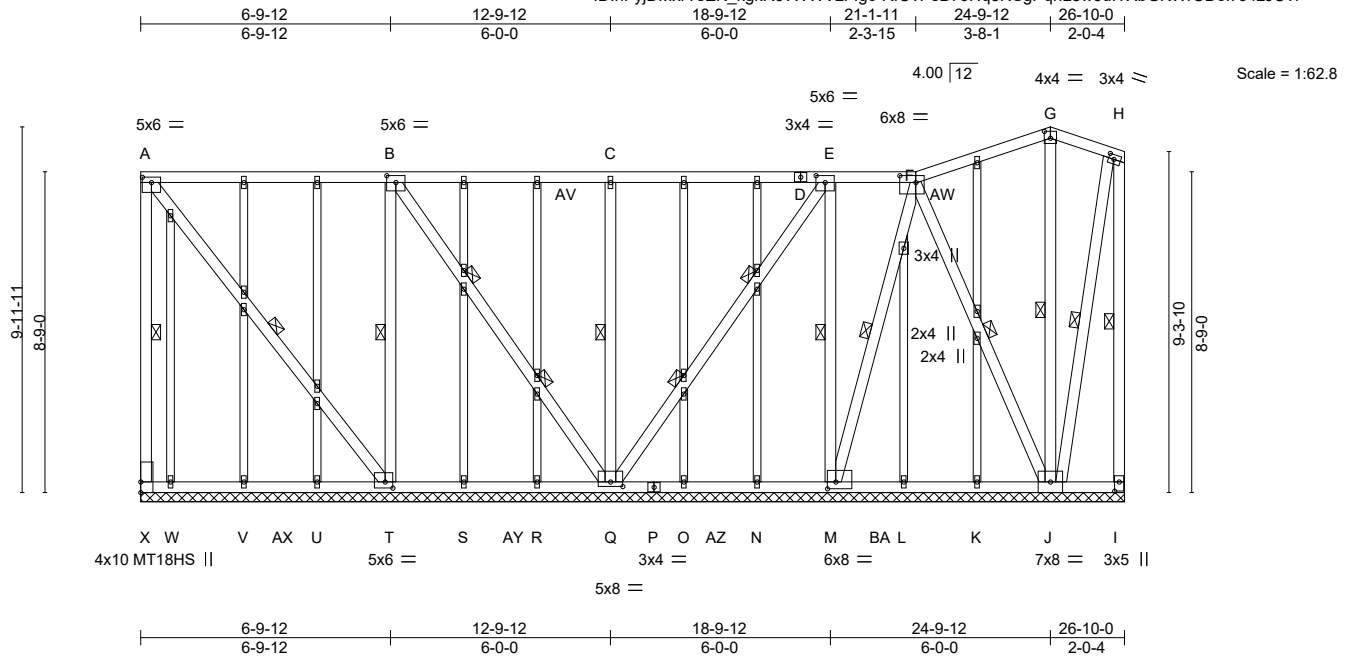


Plate Offsets (X,Y)-- [A:0-3,0,0-1-12], [B:0-3,0,0-2-4], [E:0-3,0,0-2-4], [F:0-5-4,0-2-4], [G:0-2-0,0-2-4], [H:0-1-12,0-1-8], [I:0-3,0,0-1-8], [M:0-2-12,0-2-4], [Q:0-4,0,0-1-8],
[T:0-2-8,0-2-0]

[illegible]

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2 *Except*
	A-X,A-T: 2x4 SPF 2100F 1.8E
OTHERS	2x3 SPF No.2

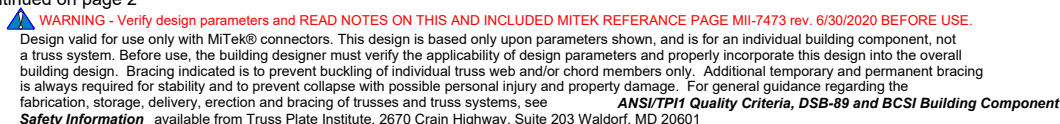
TOP CHORD	Structural wood sheathing directly applied or 4-1-14 oc purlins, except end verticals.	
BOT CHORD	Rigid ceiling directly applied or 4-7-5 oc bracing.	
WEBS	1 Row at midpt	A-X, A-T, B-T, C-Q, E-M, F-M, F-J, G-J, H-I, H-J
	2 Rows at 1/3 pts	B-Q, E-Q

NS. All bearings 26-10-0.
(lb) - Max Horz X=-159(LC 37)
Max Uplift All uplift 100 lb or less at joint(s) except X=-2533(LC 36), T=-542(LC 41),
Q=-227(LC 40), M=-774(LC 32), J=-1684(LC 33), I=-853(LC 35), W=-126(LC 35)
Max Grav All reactions 250 lb or less at joint(s) (K, L, N, O, R, S, U, V, W except
X=2473(LC 35), T=751(LC 28), Q=1118(LC 68), M=899(LC 29), J=1770(LC 52),
I=871(LC 52)

TOP CHORD	A-X=-2388/2402, A-B=-1877/1861, B-C=-1612/1590, C-E=-1375/1353, E-F=-541/522, F-G=-1250/1223, G-H=-284/311, H-I=-488/853
BOT CHORD	V-W=-708/702, U-V=-1188/1182, T-U=-1668/1662, S-T=-282/274, R-S=-762/754, Q-R=-1242/1234, O-Q=-1493/1488, N-O=-1013/1008, M-N=-533/528, L-M=-766/763, K-L=-286/283, J-K=-696/693, I-J=-448/448
WEBS	A-T=-3019/3015, B-T=-1990/1993, B-C=-2347/2335, C-Q=-658/135, E-Q=-2411/2408 E-M=-1962/1955, F-M=-2717/2714, F-J=-2461/2468, G-J=-329/236, H-J=-798/798

- 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 exposed ; end vertical left 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/TP1 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=1.00; Cs=1.00; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 5) Provide adequate drainage to prevent water ponding.
- 6) All plates are MT20 plates unless otherwise indicated.
- 7) All plates are 1.5x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.
- 9) Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

Continued on page 2



September 12, 2024



PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	P5	GABLE	4	1	U1530789
Job Reference (optional)					

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:37 2024 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2533 lb uplift at joint X, 542 lb uplift at joint T, 227 lb uplift at joint Q, 774 lb uplift at joint M, 1684 lb uplift at joint J, 853 lb uplift at joint I and 126 lb uplift at joint W.
- 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 14) 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 26-10-0 for 240.0 plf.

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	P6	GABLE	4	1		U1530790

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:38 2024 Page 1

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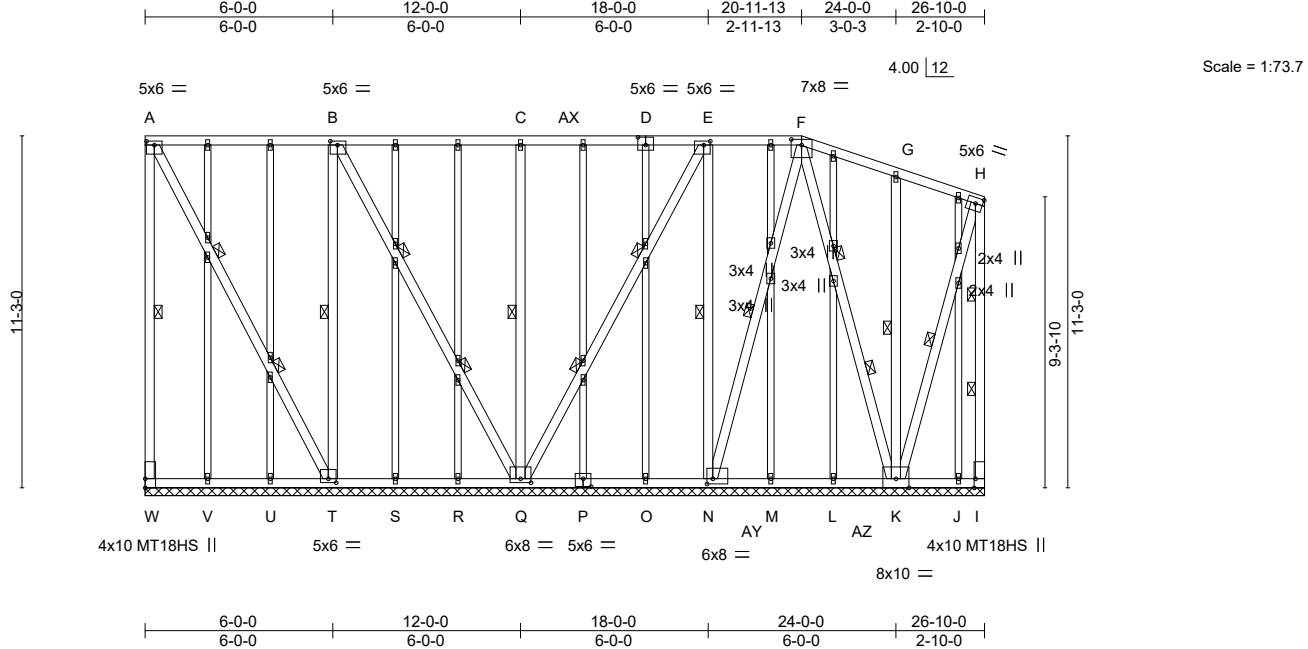


Plate Offsets (X,Y)--	[A:0-3-0,0-1-8], [B:0-2-12,0-1-8], [D:0-3-0,0-3-0], [E:0-2-8,0-1-8], [F:0-4-0,0-2-3], [H:0-2-12,0-2-4], [I:0-3-8,Edge], [N:0-2-4,0-2-0], [P:0-3-0,0-3-0], [Q:0-4-0,0-1-8], [T:0-3-0,0-1-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.88	Vert(LL)	n/a	-	n/a	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.33	Vert(CT)	n/a	-	n/a	MT18HS	197/144
TCDL 12.0	Rep Stress Incr	YES	WB 1.00	Horz(CT)	0.02	Q	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-S						
BCDL 10.0								Weight: 283 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-9-5 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 4-8-5 oc bracing.
WEBS 2x4 SPF 2100F 1.8E *Except*	WEBS 1 Row at midpt A-W, B-T, C-Q, E-N, F-N, G-K, H-K
G-K,H-I,H-K: 2x4 SPF No.2	2 Rows at 1/3 pts A-T, B-Q, E-Q, F-K, H-I
OTHERS 2x3 SPF No.2	

REACTIONS.	All bearings 26-10-0.
(lb) - Max Horz W=-184(LC 33)	
Max Uplift	All uplift 100 lb or less at joint(s) except W=-2704(LC 32), T=-119(LC 34), Q=-208(LC 33), N=-332(LC 34), I=-1801(LC 39), K=-1788(LC 35), J=-138(LC 32)
Max Grav	All reactions 250 lb or less at joint(s) V, U, S, R, O, M, L, J except W=2688(LC 51), T=578(LC 64), Q=1224(LC 64), N=535(LC 29), I=1782(LC 32), K=1844(LC 52)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	A-W=-2661/2699, A-B=-1408/1416, B-C=-1456/1464, C-E=-1487/1495, E-F=-771/805, F-G=-977/1027, G-H=-568/541, H-I=-1670/1650
BOT CHORD	V-W=-592/625, U-V=-1072/1105, T-U=-1552/1585, S-T=-627/653, R-S=-1107/1133, Q-R=-1587/1613, O-Q=-1534/1535, N-O=-574/575, M-N=-872/862, L-M=-392/382, K-L=-786/775, J-K=-740/716, I-J=-260/236
WEBS	A-T=-2996/2982, B-T=-2730/2757, B-Q=-3055/3048, C-Q=-676/137, E-Q=-3062/3111, E-N=-2681/2674, F-N=-2987/3003, F-K=-3332/3303, G-K=-377/112, H-K=-1597/1615

- 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 right exposed; end vertical 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) Provide adequate drainage to prevent water ponding.
 - 6) All plates are MT20 plates unless otherwise indicated.
 - 7) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 8) Gable requires continuous bottom chord bearing.
 - 9) Gable studs spaced at 2-0-0 oc.
 - 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.



September 12, 2024

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	P6	GABLE	4	1	U1530790
Job Reference (optional)					

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:39 2024 Page 2
ID:hFyjDMxTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2704 lb uplift at joint W, 119 lb uplift at joint T, 208 lb uplift at joint Q, 332 lb uplift at joint N, 1801 lb uplift at joint I, 1788 lb uplift at joint K and 138 lb uplift at joint J.
- 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 14) 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 26-10-0 for 240.0 plf.

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	P7	Common	24	1		U1530791
Alliance Truss (CA), Abbotsford, BC - V2S 7P6,						8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:39 2024 Page 1
Job Reference (optional)						ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

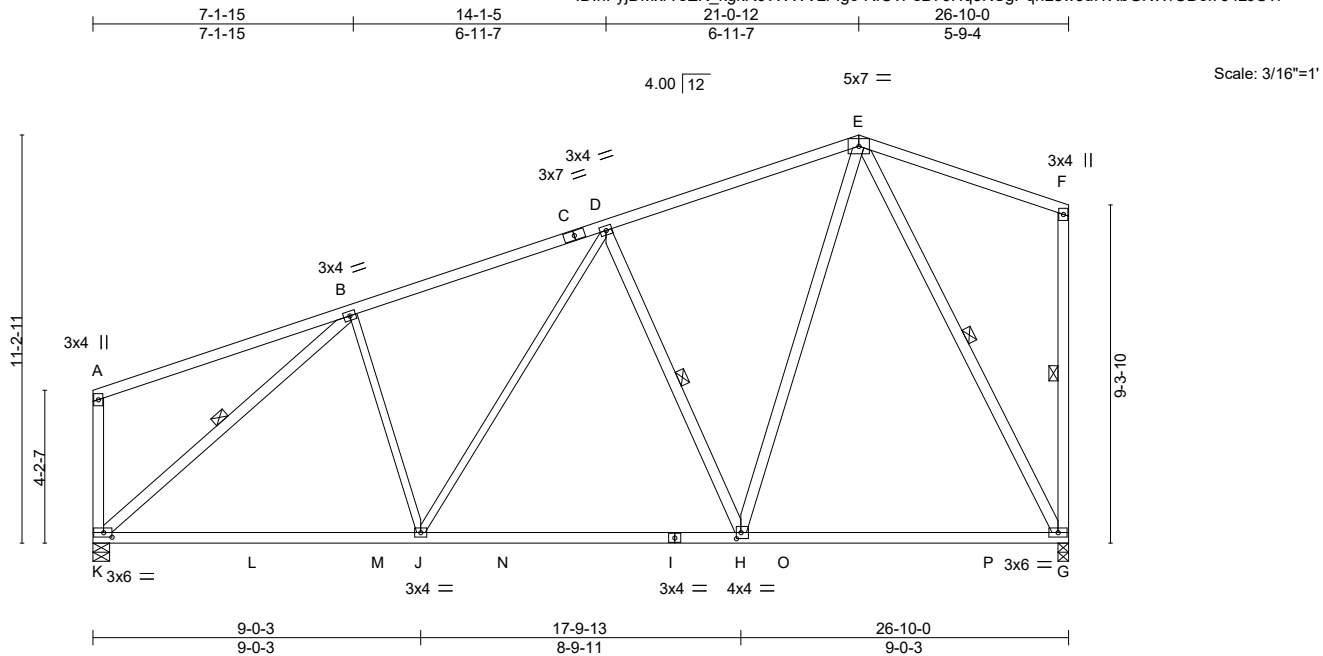


Plate Offsets (X,Y)--	[H:0-1-8,0-2-0], [K:0-2-12,0-1-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.83	Vert(LL) -0.31	G-H	>999	360	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.90	Vert(CT) -0.49	G-H	>652	240		
TCDL 12.0	Lumber DOL 1.15	WB 0.86	Horz(CT) 0.04	G	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Wind(LL) -0.05	G-H	>999	240		
BCDL 10.0	Code IBC2018/TPI2014						Weight: 137 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2 *Except*	WEBS 1 Row at midpt D-H, B-K, F-G, E-G
B-J,D-J: 2x3 SPF No.2	

REACTIONS. (size) K=0-5-8, G=0-3-8
Max Horz K=262(LC 7)
Max Uplift K=-135(LC 6), G=-125(LC 6)
Max Grav K=1410(LC 3), G=1397(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-D=-1415/184, D-E=-1053/174, F-G=-293/68
BOT CHORD J-K=-204/1220, H-J=-159/1168, G-H=-114/592
WEBS B-J=0/257, D-J=-23/265, D-H=-724/193, E-H=-93/1090, B-K=-1567/155, E-G=-1263/128

- 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 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, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint K and 125 lb uplift at joint G.
 - 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



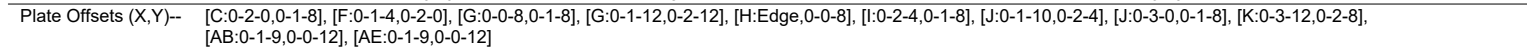
September 12,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	P8A	GABLE	3	1	Job Reference (optional)	U1530857

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:17 2024 Page 1
rTsEK_kgkR0vWWVzFlgc-JqJ6DaC8PJCwsQBhkigoxPzNtHlzyBV9pt?uClyeVqy

[illegible]

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x3 SPF No.2 *Except*
	A-M,B-M,H-I,G-I: 2x4 SPF No.2
OTHERS	2x3 SPF No.2

TOP CHORD	Structural wood sheathing directly applied or 2-11-15 oc purlins, except end verticals.	
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: K-L.	
WEBS	1 Row at midpt 2 Rows at 1/3 pts	F-J, B-M, H-I G-I

(size) M=0-5-8, I=0-3-8
 Max Horz M=260(LC 7)
 Max Uplift M=-157(LC 6), I=-152(LC 6)
 Max Grav M=1524(LC 3), I=1538(LC 2)

TOP CHORD B-D=-2704/322, D-F=-2643/324, F-G=-1220/187, H-I=-306/68
BOT CHORD L-M=-337/2345, K-L=-323/2679, J-K=-210/1847, I-J=-124/804
WEBS B-L=0/434, D-K=-356/139, F-K=-139/1352, F-J=-1497/264, G-J=-122/1453,
B-M=-2724/306, G-I=-1605/138

- 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) 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) Bearing at joint(s) M, I 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) except (jt=lb) M=157, I=152.
- 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 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 12, 2024



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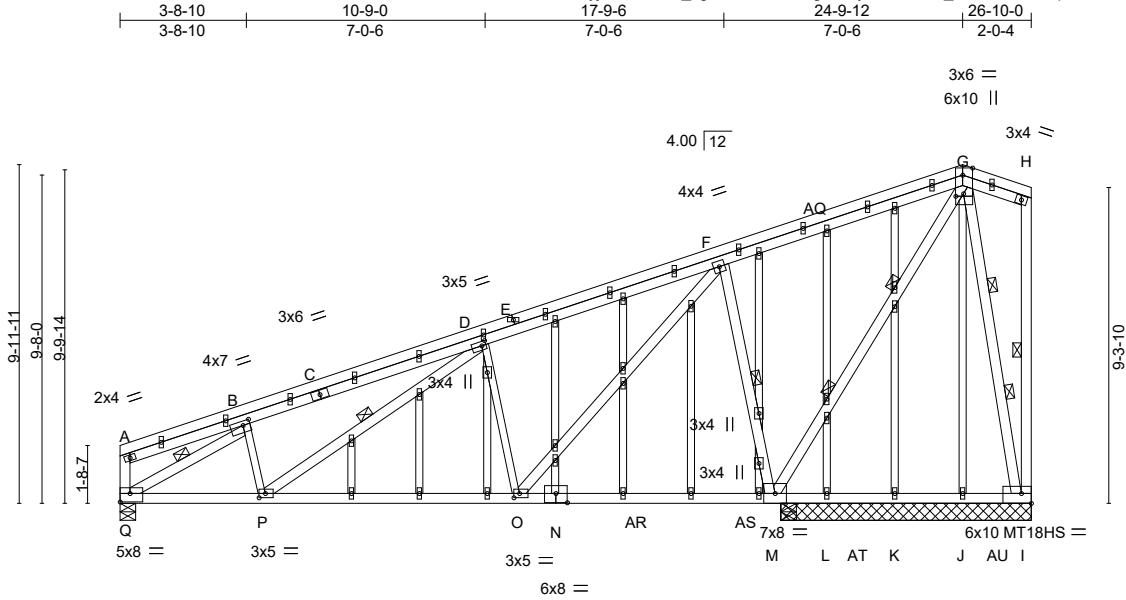
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



240 Stirling Crescent
Bradford, ON, L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	P9	GABLE	1	1		U1530792

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, ID:hFyJDMxrTsEK_kgkR0vWVvZfLgc-SFyMHHKhZ5_a2tBB8VwsRq1Cxt2MQFD4VKICNmyeUeX 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Sep 12 16:09:48 2024 Page 1



PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530792
N0653A	P9	GABLE	1	1	Job Reference (optional)	

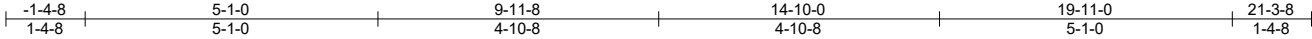
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- NOTES-**
- 13) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 19-5-8 to 26-10-0 for 873.2 plf.
 - 14) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
 - 15) 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.

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530793
N0653A	P10	GABLE	1	1		
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:34 2024 Page 1
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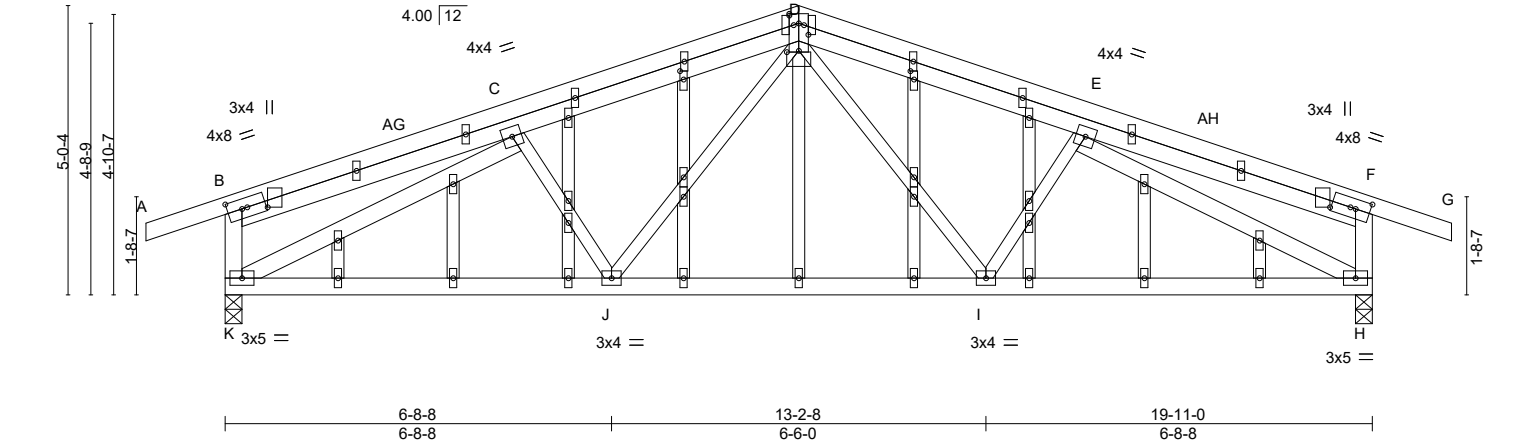


Plate Offsets (X,Y)--	[B:0-0-0,0-4-4], [B:0-3-0,0-2-0], [D:0-2-0,0-0-15], [D:0-2-0,0-0-2-0], [D:0-2-8,0-0-4], [D:0-2-0,0-0-15], [F:0-3-0,0-2-0], [F:0-0-0,0-4-4], [N:0-1-12,0-0-12], [W:0-1-12,0-0-12], [Y:0-0-0,0-0-0], [Y:0-0-0,0-0-0], [AB:0-0-0,0-0-0], [AB:0-0-0,0-0-0], [AF:0-0-0,0-0-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.42 BC 0.43 WB 0.81	Vert(LL) -0.05 Vert(CT) -0.11 Horz(CT) 0.04 Wind(LL) 0.03	H-I H-I H I-J	>999 >999 n/a >999	360 240 n/a 240	MT20	197/144
TCDL 12.0	Rep Stress Incr YES	Matrix-MS					Weight: 119 lb	FT = 20%
BCLL 0.0 *	Code IBC2018/TPI2014							
BCDL 10.0								

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-4-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2 *Except*	
D-I,E-I,D-J,C-J: 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS. (size) K=0-3-8, H=0-3-8
Max Horz K=-31(LC 24)
Max Uplift K=-139(LC 6), H=-139(LC 7)
Max Grav K=1095(LC 17), H=1095(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD C-D=-1380/138, D-E=-1380/138, B-K=-310/104, F-H=-310/104
BOT CHORD J-K=-110/1342, I-J=-42/1016, H-I=-110/1342
WEBS D-I=-31/403, D-J=-31/403, C-K=-1465/129, E-H=-1465/129

- 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 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) K=139, H=139.
 - 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 12,2024

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PRMU20240284 - BLDG C

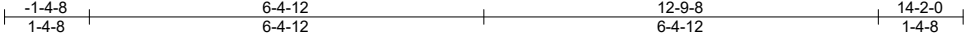
Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	R1	GABLE	1	1		U1530794
Job Reference (optional)						

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:41 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWvzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWwCDoi7J4zJC?f



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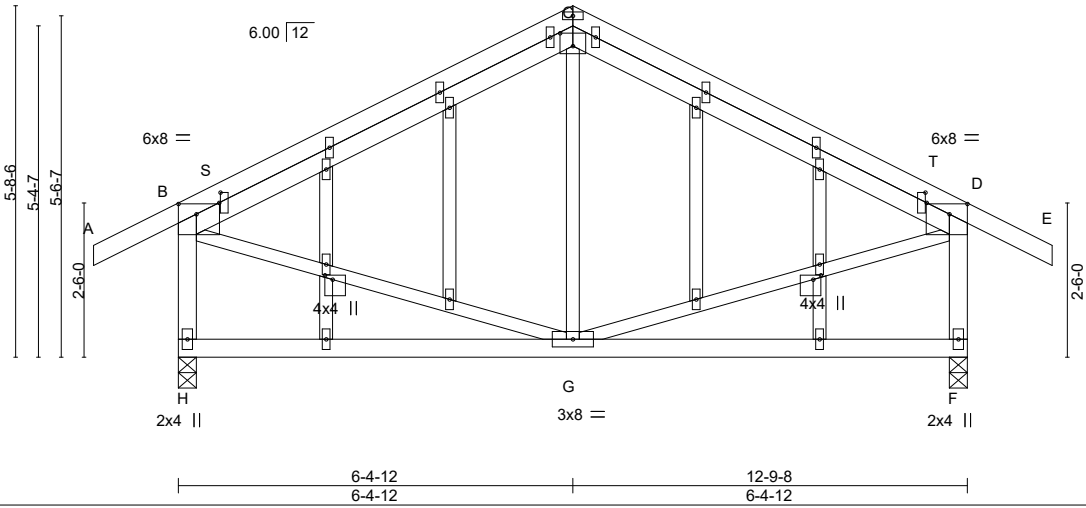


Plate Offsets (X,Y)--	[B:0-3-8,0-2-0], [C:0-2-8,0-2-8], [D:0-3-8,0-2-0], [K:0-0-14,0-1-8], [R:0-0-14,0-1-8], [S:0-2-0,0-0-4], [T:0-2-0,0-0-4]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.71	Vert(LL)	-0.03	G-H	>999	360	MT20
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.28	Vert(CT)	-0.07	G-H	>999	240	197/144
TCDL 12.0	Rep Stress Incr	YES	WB 0.13	Horz(CT)	0.00	F	n/a	n/a	
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.00	G	>999	240	
BCDL 10.0									Weight: 79 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-9-4 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x3 SPF No.2 *Except*	
B-H,D-F: 2x4 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS. (size) H=0-3-8, F=0-3-8
Max Horz H=93(LC 9)
Max Uplift H=-74(LC 10), F=-74(LC 11)
Max Grav H=802(LC 17), F=802(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-594/62, C-D=-594/62, B-H=-742/99, D-F=-742/99
WEBS B-G=0/383, D-G=0/383

- 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) TCLK: 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) H, F.
 - 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 12,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
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8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:18 2024 Page 1

U1530858

Job Reference (optional)

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-o0tVQwCmAcKnUamulPB1UdWYchHMhsTJ2XIRkByeVqx

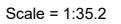


Plate Offsets (X,Y)-- [B:0-3-8,Edge], [C:0-2-8,0-2-4], [D:0-3-0,0-1-8]

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 0.71	Vert(LL) -0.04 G-H >999 360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL 1.15	BC 0.25	Vert(CT) -0.08 G-H >999 240		
TCDL 12.0		Rep Stress Incr YES	WB 0.12	Horz(CT) -0.00 F n/a n/a		
BCLL 0.0 *		Code IBC2018/TPI2014	Matrix-MS	Wind(LL) 0.00 G >999 240	Weight: 62 lb	FT = 20%
BCDL 10.0						

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x3 SPF No.2 *Except*
	B-H,D-F: 2x4 SPF No.2
OTHERS	2x4 SPF No.2
LBR SCAB	C-E 2x4 SPF No.2 one side

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

(size) H=0-5-8, F=0-5-8
 Max Horz H=114(LC 9)
 Max Uplift H=-70(LC 10), F=-95(LC 11)
 Max Grav H=729(LC 17), F=882(LC 18)

TOP CHORD B-C=-478/47, C-D=-400/68, B-H=-668/97, D-F=-847/111
WEBS D-G=0/353

- 1) Attached 8-10-0 scab C to E, front face(s) 2x4 SPF No.2 with 1 row(s) of 10d (0.131"x3") nails spaced 9" o.c. except : starting at 4-3-3 from end at joint C, nail 1 row(s) at 4" o.c. for 2-11-11.
- 2) 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
- 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) 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) H, F.
- 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024



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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI-1 Quality Criteria, DSB-89 and BCSI Building Component



240 Stirling Crescent
Bradford, ON L37 4L5

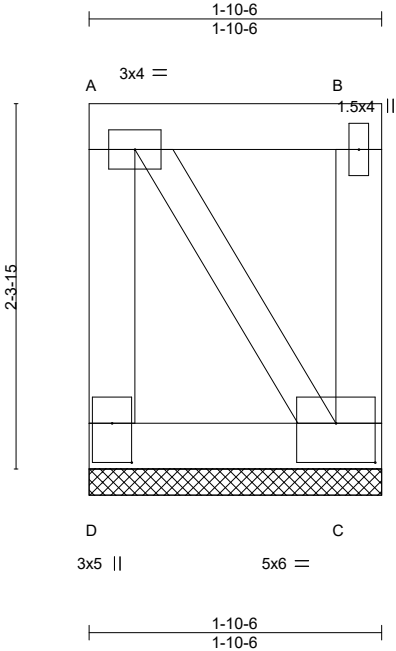
PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S1	BLOCKING SUPPORTED	75	1		U1530795
Job Reference (optional)						

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024
MiTek Industries, Inc.
Thu Sep 12 02:47:42 2024
Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:14.7

Plate Offsets (X,Y)-- [C:0-3-0,0-3-0], [D:0-3-0,0-1-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a -	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a -		
TCDL	12.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	-0.00 C		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-P				Weight: 10 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SPF No.2 *Except*		
	A-C: 2x3 SPF No.2		

REACTIONS. (size) D=1-10-6, C=1-10-6
Max Horz D=58(LC 5)
Max Uplift D=-535(LC 24), C=-535(LC 27)
Max Grav D=544(LC 31), C=544(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-D=-528/543, A-B=-361/356
BOT CHORD C-D=-390/385
WEBS A-C=-665/665

- NOTES-**
- 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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-16; 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
 - Provide adequate drainage to prevent water ponding.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) D=535, C=535.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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 1-10-6 for 240.0 plf.



September 12,2024

<div> <div> </div> <div> WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601 </div> </div>	<div> <div> </div> <div> MiTek® 240 Stirling Crescent Bradford, ON. L3Z 4L5 </div> </div>
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PRMU20240284 - BLDG C

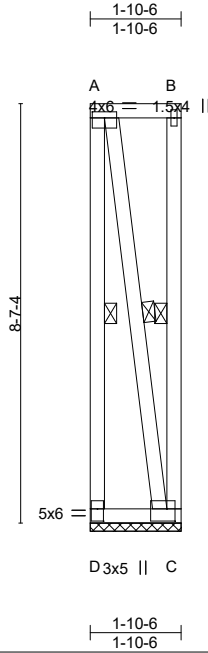
Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S2	BLOCKING SUPPORTED	117	1		U1530859
Job Reference (optional)						

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:20 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-kP_FrcE1iEbVkvuGQqDVZ2bvvU_U9dlcVrEYp4yeVqv



Scale = 1:47.3

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

LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	n/a - n/a	999	MT20	197/144	
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a - n/a	999			
TCDL	12.0	Rep Stress Incr	NO	WB	0.68	Horz(CT)	0.00 C	n/a			
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-P							
BCDL	10.0								Weight: 32 lb	FT = 20%	

LUMBER-

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

REACTIONS.

(size) D=1-10-6, C=1-10-6
Max Uplift D=-2005(LC 23), C=-2005(LC 24)
Max Grav D=2030(LC 44), C=2030(LC 43)

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

TOP CHORD A-D=-2014/2013, A-B=-340/340
BOT CHORD C-D=-340/340
WEBS A-C=-2031/2031

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; 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) Provide adequate drainage to prevent water ponding.
- 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) except (jt=lb) D=2005, C=2005.
- 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 9) 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 1-10-6 for 240.0 plf.



September 12, 2024

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S3	BLOCKING SUPPORTED	117	1		U1530860
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:21 2024 Page 1
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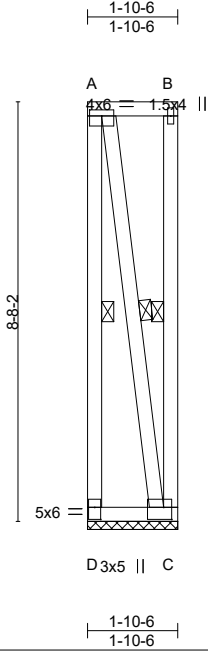


Plate Offsets (X,Y)-- [A:0-3-0,0-1-8], [C:0-2-0,0-3-0], [D:0-3-0,0-1-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	n/a - n/a	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a - n/a		
TCDL	12.0	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.00 C n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-P				Weight: 32 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SPF No.2	WEBS	1 Row at midpt A-D, B-C, A-C

REACTIONS.	
(size)	D=1-10-6, C=1-10-6
Max Uplift	D=-2022(LC 23), C=-2022(LC 24)
Max Grav	D=2047(LC 44), C=2047(LC 43)

FORCES.	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	A-D=-2031/2029, A-B=-340/340
BOT CHORD	C-D=-340/340
WEBS	A-C=-2047/2047

- 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; 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) Provide adequate drainage to prevent water ponding.
 - 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) except (jt=lb) D=2022, C=2022.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) 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 1-10-6 for 240.0 plf.



September 12,2024

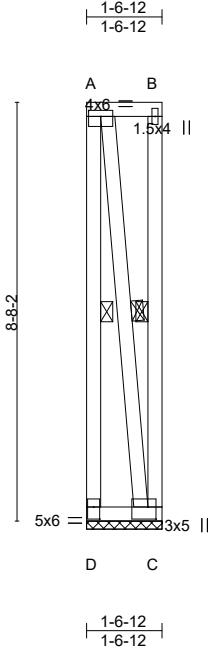
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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S3A	BLOCKING SUPPORTED	1	1		U1530861
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:21 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-CbYd3yFTXjML1UTzYkk5F84QuLyu4QlkVz5LWyeVqu



Scale: 1/4"=1'

Plate Offsets (X,Y)--	[A:0-3-0,0-1-8], [C:0-2-0,0-3-0], [D:0-3-0,0-1-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.68	Vert(LL)	n/a	-	n/a	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.06	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.68	Horz(CT)	0.00	C	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-P					Weight: 31 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 1-6-12 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.2	WEBS 1 Row at midpt A-D, B-C, A-C

REACTIONS.	(size) D=1-6-12, C=1-6-12
	Max Uplift D=-2020(LC 23), C=-2020(LC 24)
	Max Grav D=2040(LC 44), C=2040(LC 43)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	A-D=-2027/2026, A-B=-274/274
BOT CHORD	C-D=-275/275
WEBS	A-C=-2035/2035

- 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; 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) Provide adequate drainage to prevent water ponding.
 - 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) except (jt=lb) D=2020, C=2020.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) 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 1-6-12 for 240.0 plf.



September 12, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
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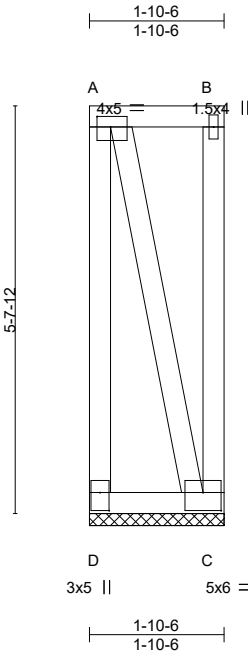


PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S4	BLOCKING SUPPORTED	88	1		U1530862
Job Reference (optional)						

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024
MiTek Industries, Inc.
Thu Sep 12 02:48:22 2024
Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-gn6?GIFHErrDzB3fXFGzeTgEElgjdUFvy9jftyVqt



Scale: 3/8"=1'

Plate Offsets (X,Y)-- [A:0-2-4,0-1-12], [C:0-3-0,0-3-0], [D:0-3-0,0-1-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	n/a - n/a	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a - n/a		
TCDL	12.0	Rep Stress Incr	YES	WB	0.84	Horz(CT)	-0.00 C n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-P				Weight: 22 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SPF No.2		

REACTIONS. (size) D=1-10-6, C=1-10-6
Max Horz D=-151(LC 4)
Max Uplift D=-1553(LC 24), C=-1553(LC 27)
Max Grav D=1561(LC 31), C=1561(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-D=-1545/1561, A-B=-396/382
BOT CHORD C-D=-472/458
WEBS A-C=-1609/1609

- NOTES-**
- 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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-16; 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
 - Provide adequate drainage to prevent water ponding.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) D=1553, C=1553.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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 1-10-6 for 240.0 plf.



September 12,2024

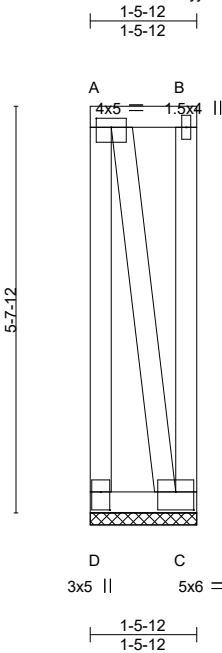
PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S5	BLOCKING SUPPORTED	22	1		U1530863
Job Reference (optional)						

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024
MiTek Industries, Inc.
Thu Sep 12 02:48:23 2024
Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-8_gOTeGv_9z3bLer5ynCBgDOsi0DMxJ2BpSCQPyeVqs



Scale: 3/8"=1'

Plate Offsets (X,Y)-- [A:0-2-8,0-1-8], [C:0-3-0,0-3-0], [D:0-3-0,0-1-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	n/a - n/a	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a - n/a		
TCDL	12.0	Rep Stress Incr	YES	WB	0.85	Horz(CT)	-0.00 C n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-P				Weight: 21 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 1-5-12 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SPF No.2		

REACTIONS. (size) D=1-5-12, C=1-5-12
Max Horz D=-152(LC 25)
Max Uplift D=-1634(LC 24), C=-1634(LC 27)
Max Grav D=1640(LC 31), C=1640(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-D=-1629/1640, A-B=-313/299
BOT CHORD C-D=-389/375
WEBS A-C=-1667/1667

- NOTES-**
- 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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-16; 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
 - Provide adequate drainage to prevent water ponding.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) D=1634, C=1634.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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 1-5-12 for 240.0 plf.



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<div> <div> </div> <div> WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601 </div> </div>	<div> <div> </div> <div> MiTek® 240 Stirling Crescent Bradford, ON. L3Z 4L5 </div> </div>
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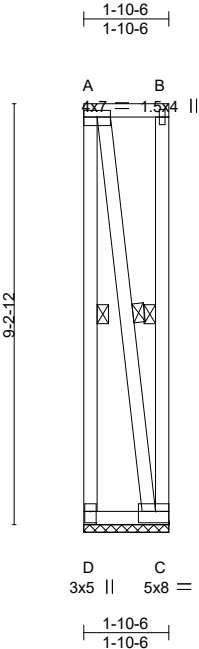
PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S6	BLOCKING SUPPORTED	98	1		U1530864
Job Reference (optional)						

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024
MiTek Industries, Inc.
Thu Sep 12 02:48:23 2024
Page 1

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Scale = 1:50.5

Plate Offsets (X,Y)-- [A:Edge,0-1-12], [C:Edge,0-3-0], [D:0-3-0,0-1-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	n/a - n/a	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a - n/a		
TCDL	12.0	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.00 C n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-P				Weight: 34 lb	FT = 20%
BCDL	10.0								

LUMBER-			BRACING-		
TOP CHORD	2x4 SPF No.2		TOP CHORD	Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.	
BOT CHORD	2x4 SPF No.2		BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.	
WEBS	2x4 SPF No.2		WEBS	1 Row at midpt	A-D, B-C, A-C
REACTIONS.					
(size) D=1-10-6, C=1-10-6					
Max Uplift D=-2155(LC 23), C=-2155(LC 24)					
Max Grav D=2180(LC 44), C=2180(LC 43)					
FORCES.					
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.					
TOP CHORD	A-D=-2164/2163, A-B=-340/340				
BOT CHORD	C-D=-340/340				
WEBS	A-C=-2178/2178				

- NOTES-**
- 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; Lumber DOL=1.33 plate grip DOL=1.33
 - 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
 - Provide adequate drainage to prevent water ponding.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) D=2155, C=2155.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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 1-10-6 for 240.0 plf.



September 12,2024

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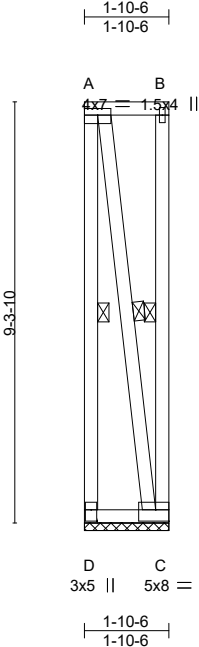


PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	S7	BLOCKING SUPPORTED	99	1	U1530865
Job Reference (optional)					

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:24 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-cAEmh_HXIS5wCVD2fglSjulYE6MW5OcBQTCmyryeVqr



Scale = 1:50.9

Plate Offsets (X,Y)-- [A:Edge,0-1-12], [C:Edge,0-3-0], [D:0-3-0,0-1-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	n/a - n/a	999	MT20 197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a - n/a	999	
TCDL	12.0	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.00 C n/a	n/a	
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-P					
BCDL	10.0								Weight: 34 lb FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SPF No.2	WEBS	1 Row at midpt A-D, B-C, A-C
REACTIONS.			
(size) D=1-10-6, C=1-10-6			
Max Uplift D=-2171(LC 23), C=-2171(LC 24)			
Max Grav D=2197(LC 44), C=2197(LC 43)			
FORCES.			
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.			
TOP CHORD	A-D=-2181/2179, A-B=-340/340		
BOT CHORD	C-D=-340/340		
WEBS	A-C=-2195/2195		

- 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; 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) Provide adequate drainage to prevent water ponding.
 - 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) except (jt=lb) D=2171, C=2171.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) 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 1-10-6 for 240.0 plf.



September 12,2024

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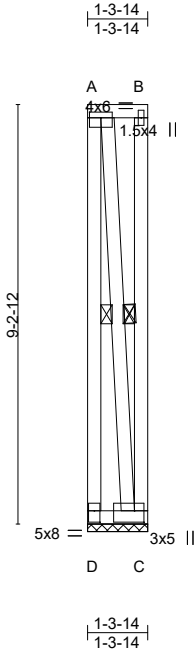


PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S8	BLOCKING SUPPORTED	4	1		U1530796
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:45 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:50.7

Plate Offsets (X,Y)--	[A:0-3-0,0-1-8], [C:0-2-8,0-3-0], [D:0-3-0,0-1-8]
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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 0.81	Vert(LL)	n/a	-	n/a	999	MT20
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.04	Vert(CT)	n/a	-	n/a	999	197/144
TCDL 12.0	Rep Stress Incr	YES	WB 0.81	Horz(CT)	0.00	C	n/a	n/a	
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-P						
BCDL 10.0									
								Weight: 33 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 1-3-14 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.2	WEBS 1 Row at midpt A-D, B-C, A-C

REACTIONS.	(size) D=1-3-14, C=1-3-14
Max Uplift D=-2152(LC 23), C=-2152(LC 24)	
Max Grav D=2168(LC 44), C=2168(LC 43)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	A-D=-2158/2157
WEBS	A-C=-2160/2160

- 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; 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) Provide adequate drainage to prevent water ponding.
 - 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) except (jt=lb) D=2152, C=2152.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) 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 1-3-14 for 240.0 plf.



September 12,2024

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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S9	BLOCKING SUPPORTED	4	1		U1530797
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:46 2024 Page 1
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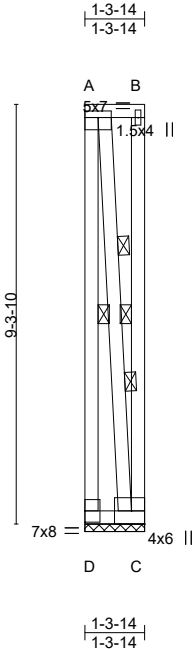


Plate Offsets (X,Y)-- [A:Edge,0-1-12]																	
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc) l/defl L/d		PLATES		GRIP			
TCLL 25.0		Plate Grip DOL		1.15		TC 0.98		Vert(LL)		n/a - n/a		999		MT20		197/144	
(Roof Snow=25.0)		Lumber DOL		1.15		BC 0.08		Vert(CT)		n/a - n/a		999					
TCDL 12.0		Rep Stress Incr		YES		WB 0.96		Horz(CT)		-0.00 C		n/a					
BCLL 0.0 *		Code IBC2018/TPI2014				Matrix-P											
BCDL 10.0																	
											Weight: 33 lb		FT = 20%				

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 1-3-14 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SPF 2100F 1.8E *Except*	WEBS	1 Row at midpt A-D, B-C
	A-C: 2x4 SPF No.2		2 Rows at 1/3 pts A-C

REACTIONS. (size) D=1-3-14, C=1-3-14
Max Horz D=-255(LC 4)
Max Uplift D=-3281(LC 24), C=-3281(LC 27)
Max Grav D=3287(LC 31), C=3287(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-D=-3276/3286, A-B=-317/295
BOT CHORD C-D=-445/422
WEBS A-C=-3297/3297

- 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) Provide adequate drainage to prevent water ponding.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 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) D=3281, C=3281.
 - 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 1-3-14 for 240.0 plf.



September 12, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
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MiTek®
240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRMU20240284 - BLDG C

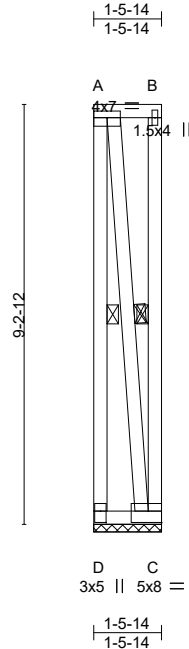
Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S10	BLOCKING SUPPORTED	1	1		U1530798
Job Reference (optional)						

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:42 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:50.6

Plate Offsets (X,Y)-- [A:Edge,0-1-12], [C:Edge,0-3-0], [D:0-3-0,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2018/TPI2014	TC 0.81 BC 0.05 WB 0.82 Matrix-P	Vert(LL) Vert(CT) Horz(CT)	n/a n/a 0.00	- - C	n/a n/a n/a	999 999 n/a	MT20	197/144
TCDL 12.0								Weight: 33 lb	FT = 20%
BCLL 0.0 *									
BCDL 10.0									

LUMBER-

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

REACTIONS.

(size) D=1-5-14, C=1-5-14
Max Uplift D=-2153(LC 23), C=-2153(LC 24)
Max Grav D=2172(LC 44), C=2172(LC 43)

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

TOP CHORD A-D=-2160/2159, A-B=-259/259
BOT CHORD C-D=-259/259
WEBS A-C=-2165/2165

NOTES-

- 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; Lumber DOL=1.33 plate grip DOL=1.33
- 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
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) D=2153, C=2153.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 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 1-5-14 for 240.0 plf.



September 12, 2024

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S11	BLOCKING SUPPORTED	1	1	Job Reference (optional)	U1530799

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$$\begin{array}{r} 1-5-14 \\ \hline 1-5-14 \end{array}$$

Technical drawing of a chimney cross-section. The drawing shows a rectangular structure with a cross-hatched base. The top is labeled 'A' and 'B'. The left side is labeled '4x7' and the right side '1.5x4'. The height is indicated as '9.3-10'. The base is labeled 'D' and 'C'. The bottom width is indicated as '1.5-14'.

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; 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) Provide adequate drainage to prevent water ponding.
- 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) except (jt=lb) D=2169, C=2169.
- 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 9) 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 1-5-14 for 240.0 plf.



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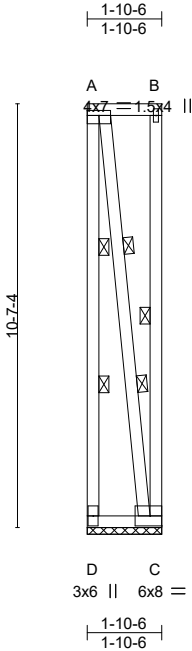
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S12	BLOCKING SUPPORTED	232	1		U1530800
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:43 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWvzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrcDoi7J4zJC?f



Scale = 1:57.7

LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	n/a - n/a	MT20	197/144		
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a - n/a				
TCDL	12.0	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.00 C				
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-P							
BCDL	10.0										
								Weight: 39 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SPF No.2	WEBS	1 Row at midpt B-C 2 Rows at 1/3 pts A-D, A-C

REACTIONS. (size) D=1-10-6, C=1-10-6
Max Uplift D=-2485(LC 23), C=-2485(LC 24)
Max Grav D=2510(LC 44), C=2510(LC 43)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-D=-2494/2493, A-B=-340/340
BOT CHORD C-D=-340/340
WEBS A-C=-2504/2504

- 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; 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) Provide adequate drainage to prevent water ponding.
 - 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) except (jt=lb) D=2485, C=2485.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) 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 1-10-6 for 240.0 plf.



September 12, 2024

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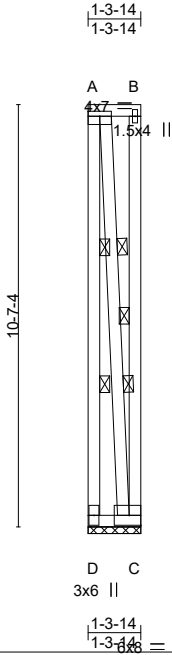
PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S13	BLOCKING SUPPORTED	6	1		U1530801
Job Reference (optional)						

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024
MiTek Industries, Inc.
Thu Sep 12 02:47:44 2024
Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:57.9

Plate Offsets (X,Y)-- [A:Edge,0-1-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	n/a - n/a	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a - n/a		
TCDL	12.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.00 C n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-P				Weight: 37 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 1-3-14 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SPF No.2	WEBS	1 Row at midpt B-C 2 Rows at 1/3 pts A-D, A-C

REACTIONS. (size) D=1-3-14, C=1-3-14
Max Uplift D=-2482(LC 23), C=-2482(LC 24)
Max Grav D=2498(LC 44), C=2498(LC 43)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-D=-2488/2487
WEBS A-C=-2488/2488

- 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; 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) Provide adequate drainage to prevent water ponding.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 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) D=2482, C=2482.
 - 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 1-3-14 for 240.0 plf.

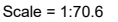


September 12,2024

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	S14	BLOCKING SUPPORTED	36	1	U1530802

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:45 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



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; 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=1.0; Ct=1.10
- 3) Provide adequate drainage to prevent water ponding.
- 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) except (jt=lb) D=3085, C=3085.
- 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 9) 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 1-10-6 for 240.0 plf.



September 12, 2024



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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



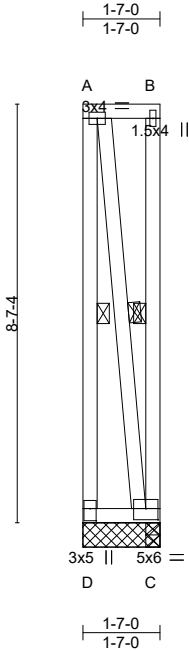
240 Stirling Crescent
Bradford, ON, L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S15	BLOCKING STRUCTURAL	2	1		U1530866
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:18 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzF1gc-o0tVQwCmAcKnUamulPB1UdWbGhKphrQJ2XIRkByeVqx



Scale = 1:47.4

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.54	Vert(LL)	-0.00	D	>999	360	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.03	Vert(CT)	-0.00	D	>999	240		
TCDL 12.0	Rep Stress Incr	NO	WB 0.19	Horz(CT)	0.00	C	n/a	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-P	Wind(LL)	0.00	D	****	240		
BCDL 10.0									Weight: 31 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 1-7-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2	WEBS 1 Row at midpt A-D, B-C, A-C

REACTIONS.	(size) D=1-7-0, C=1-7-0, C=1-7-0
Max Horz	D=-175(LC 6)
Max Uplift	D=-548(LC 6), C=-435(LC 5)
Max Grav	D=419(LC 5), C=577(LC 6), C=61(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	A-D=-413/561
WEBS	A-C=-570/432

- 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 exposed ; end vertical left 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) Provide adequate drainage to prevent water ponding.
 - 5) Gable studs spaced at 2-0-0 oc.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 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) D=548, C=435.
 - 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024

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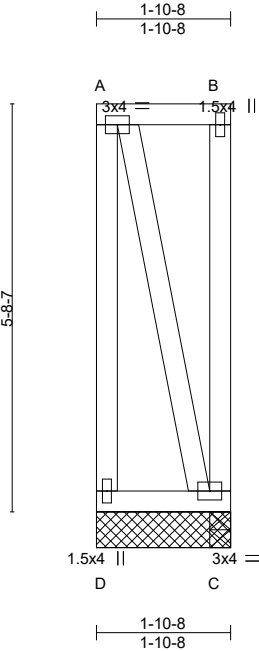
PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S16	BLOCKING STRUCTURAL	9	1		U1530867
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:18 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-o0tVQwCmAcKnUamuIPB1UdWj0hKrhtMJ2XIRkByeVqx



Scale: 3/8"=1'

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.05	Vert(LL)	-0.00 D	>999	360	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.02	Vert(CT)	-0.00 D	>999	240		
TCDL 12.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.00 C	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-P	Wind(LL)	0.00 D	****	240		
BCDL 10.0	Code IBC2018/TPI2014						Weight: 22 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 1-10-8 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2	

REACTIONS. (size) D=1-10-8, C=1-10-8, C=1-10-8
Max Uplift D=-9(LC 4), C=-9(LC 4)
Max Grav D=74(LC 1), C=74(LC 1), C=74(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; 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) Provide adequate drainage to prevent water ponding.
 - 5) Gable studs spaced at 2-0-0 oc.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 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) D, C.
 - 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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PRMU20240284 - BLDG C

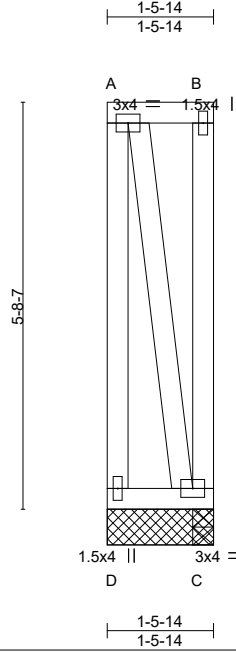
Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S17	BLOCKING STRUCTURAL	2	1		U1530868
Job Reference (optional)						

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:19 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-GCQteGDOxwTe6kL4s7iG0q2u55fEQKcSGBU?HeyeVqw



Scale: 3/8"=1'

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.03	Vert(LL)	-0.00 D	>999	360	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.01	Vert(CT)	-0.00 D	>999	240		
TCDL 12.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	-0.00 C	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-P	Wind(LL)	0.00 D	****	240		
BCDL 10.0	Code IBC2018/TPI2014						Weight: 21 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-5-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) D=1-5-14, C=1-5-14, C=1-5-14
Max Uplift D=-7(LC 4), C=-7(LC 4)
Max Grav D=56(LC 1), C=56(LC 1), C=56(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; 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) Provide adequate drainage to prevent water ponding.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 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) D, C.
- 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024



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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



240 Stirling Crescent
Bradford, ON. L3Z 4L5

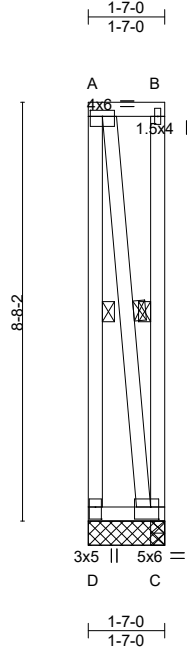
PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S18	BLOCKING STRUCTURAL	1	1		U1530869
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:19 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFgC-GCQteGDOxwTe6kL4s7iG0q2kw5fUQAWSGBU?HeyeVqw



Scale: 1/4"=1'

Plate Offsets (X,Y)--	[A:0-3-0,0-1-8], [C:0-2-0,0-3-0], [D:0-3-0,0-1-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.68	Vert(LL)	-0.00	D	>999	360	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.06	Vert(CT)	-0.00	D	>999	240		
TCDL 12.0	Rep Stress Incr	NO	WB 0.68	Horz(CT)	0.00	C	n/a	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-P	Wind(LL)	0.00	D	****	240		
BCDL 10.0									Weight: 31 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 1-7-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.2	WEBS 1 Row at midpt A-D, B-C, A-C

REACTIONS.	(size) D=1-7-0, C=1-7-0, C=1-7-0
Max Uplift D=-2020(LC 23), C=-2020(LC 24)	
Max Grav D=2041(LC 44), C=2041(LC 43), C=61(LC 1)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-D=-2028/2026, A-B=-279/279	
BOT CHORD C-D=-279/279	
WEBS A-C=-2036/2036	

- 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; 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) TCDL: 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) Provide adequate drainage to prevent water ponding.
 - 5) Gable studs spaced at 2-0-0 oc.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 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) D=2020, C=2020.
 - 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) 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 1-7-0 for 240.1 plf.



September 12, 2024

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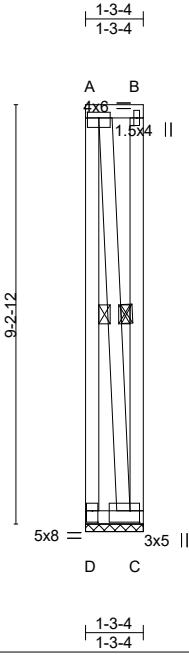
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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	S19	BLOCKING SUPPORTED	1	1		U1530870
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:20 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-kP_FrcE1iEbVkvGQqDVZ2btaU?y9b9cVrEYp4yeVqv



Scale = 1:50.7

Plate Offsets (X,Y)-- [A:0-3-0,0-1-8], [C:0-2-8,0-3-0], [D:0-3-0,0-1-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	n/a - n/a	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a - n/a		
TCDL	12.0	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.00 C n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-P				Weight: 33 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 1-3-4 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SPF No.2	WEBS	1 Row at midpt A-D, B-C, A-C

REACTIONS. (size) D=1-3-4, C=1-3-4
Max Uplift D=-2151(LC 23), C=-2151(LC 24)
Max Grav D=2167(LC 44), C=2167(LC 43)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-D=-2157/2156
WEBS A-C=-2158/2158

- 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; 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) Provide adequate drainage to prevent water ponding.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 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) D=2151, C=2151.
 - 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 1-3-4 for 240.0 plf.



September 12,2024

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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530871
N0653A	T1	GABLE	9	1		

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:25 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-4Mo8uJI9WmDnqfoECNphG5Ik9VW_qqeLf7xJUHyeVqq

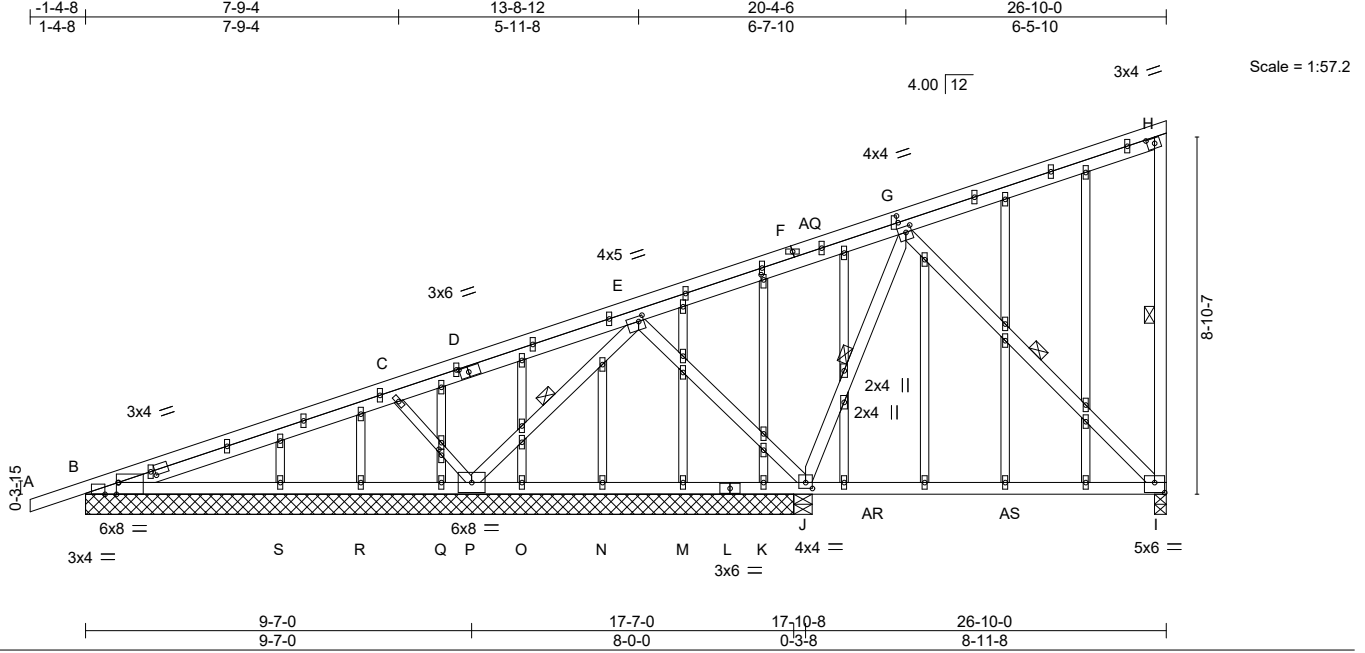


Plate Offsets (X,Y)--	[B:0-0-9,Edge], [B:0-11-7,0-1-8], [B:0-4-0,Edge], [D:0-2-10,0-1-8], [E:0-1-8,0-1-8], [G:0-2-0,0-0-8], [G:0-1-12,0-1-12], [H:0-2-4,0-1-8], [I:0-3-0,0-3-0], [J:0-2-0,0-1-12], [AF:0-1-9,0-0-12], [AM:0-1-12,0-0-12]
-----------------------	--

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.82	Vert(LL) -0.22	I-J	>478	360	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.89	Vert(CT) -0.37	I-J	>288	240		
TCDL 12.0	Lumber DOL 1.15	WB 0.93	Horz(CT) -0.02	N	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Wind(LL) -0.04	I-J	>999	240		
BCDL 10.0	Code IBC2018/TPI2014						Weight: 176 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-4-15 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 3-6-7 oc bracing.
WEBS 2x4 SPF No.2 *Except*	WEBS 1 Row at midpt H-I, E-P, G-J, G-I
C-P: 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS.	All bearings 17-7-0 except (jt=length) I=0-3-8, J=0-5-8.
(lb) - Max Horz B=434(LC 38)	
Max Uplift All uplift 100 lb or less at joint(s) R except I=871(LC 41), B=806(LC 32), P=2103(LC 40), J=318(LC 32), K=446(LC 19)	
Max Grav All reactions 250 lb or less at joint(s) M, N, O, Q, R, S except I=1117(LC 28), B=921(LC 29), P=2141(LC 53), J=1434(LC 29)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2718/2502, C-E=-1022/984, E-G=-2148/1999, G-H=-1764/1659, H-I=-301/52	
BOT CHORD B-S=-2719/2495, R-S=-948/845, Q-R=-820/717, P-Q=-1096/992, O-P=-882/804, N-O=-480/402, M-N=-1213/1134, K-M=-1945/1862, J-K=-2328/2249, I-J=-886/836	
WEBS C-P=-559/200, E-P=-2729/2683, E-J=-1440/1477, G-J=-1516/1417, G-I=-1175/1213	

- 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 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) R except (jt=lb) I=871, B=806, P=2103, J=318, K=446.
 - 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



September 12, 2024

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	T1	GABLE	9	1		U1530871
						Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:26 2024 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-ZZLW6fJnH4LeSpNQm5KwoJruvvrDZHUtnhs0kyeVqp

- NOTES-**
- 13) No notches allowed in overhang and 10408 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.

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	T2	Monopitch	45	1		U1530872

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:26 2024 Page 1
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20-4-6 26-10-0 6-7-10 6-5-10

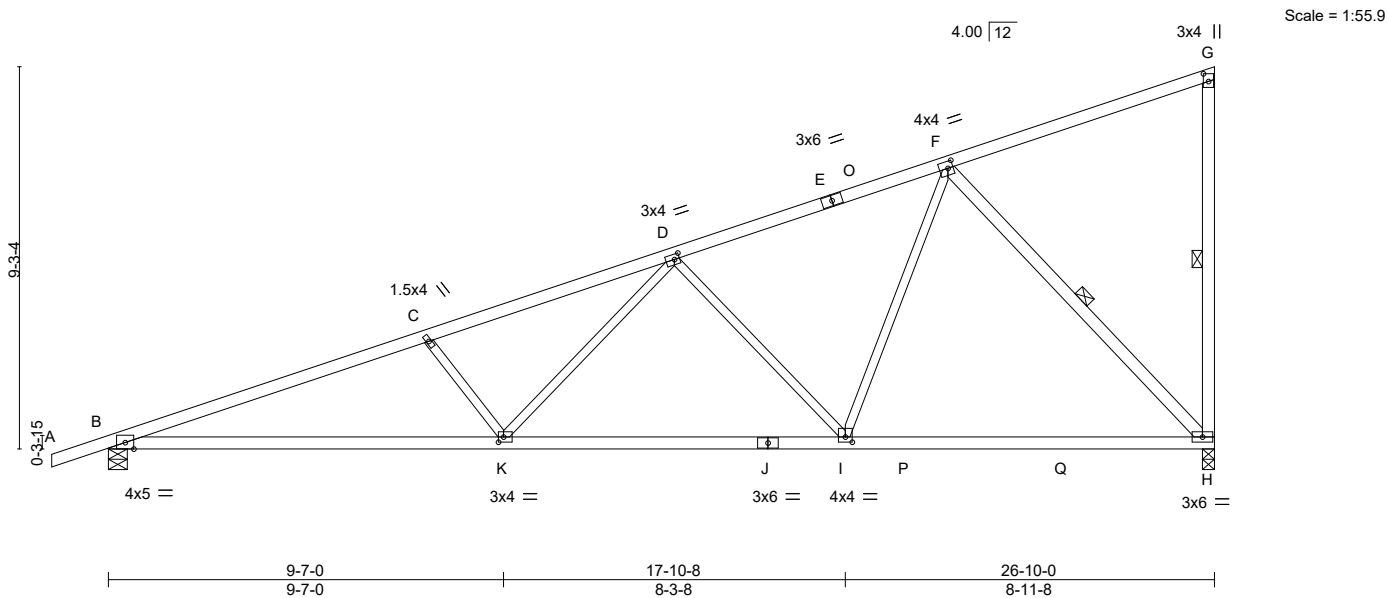


Plate Offsets (X,Y)--	[D:0-1-8,0-1-8], [F:0-1-8,0-2-0], [G:0-2-4,0-1-8], [I:0-2-0,0-1-8], [K:0-1-8,0-1-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 25.0	Plate Grip DOL	1.15	TC 0.94	Vert(LL)	-0.31	H-I	>999	360	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.95	Vert(CT)	-0.55	K-N	>587	240		
TCDL 12.0	Rep Stress Incr	YES	WB 0.89	Horz(CT)	0.07	H	n/a	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.13	K-N	>999	240		
BCDL 10.0									Weight: 103 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SPF No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
B-J: 2x4 SPF 2100F 1.8E	WEBS 1 Row at midpt G-H, F-H
WEBS 2x3 SPF No.2 *Except*	
G-H,F-H: 2x4 SPF No.2	

REACTIONS. (size) H=0-3-8, B=0-5-8
Max Horz B=301(LC 9)
Max Uplift H=-180(LC 10), B=-182(LC 6)
Max Grav H=1537(LC 3), B=1425(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-3139/325, C-D=-2876/291, D-F=-1586/171, G-H=-296/51
BOT CHORD B-K=-394/2941, I-K=-249/2033, H-I=-112/1082
WEBS C-K=-534/165, D-K=-71/947, D-I=-914/199, F-I=-64/1078, F-H=-1568/234

- 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, 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) H=180, B=182.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	T2A	MONOPITCH	54	1		U1530873
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:27 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-1lvuJ?JQ2NTV3yyKor9LWN1dJBxIjle6RQQZAyeVqo

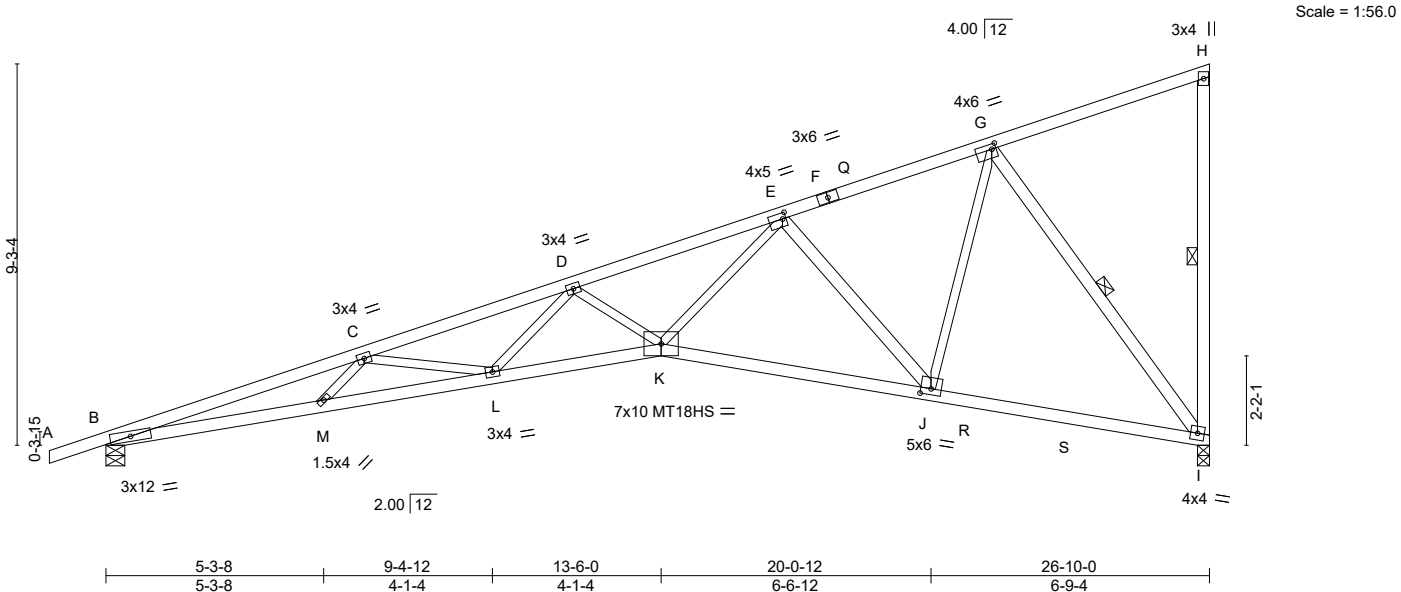


Plate Offsets (X,Y)--		[E:0-1-0,0-1-12], [G:0-1-4,0-1-8], [J:0-3-0,0-1-12]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.47 L-M >676 360	MT20		197/144	
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.84 L-M >381 240	MT18HS		197/144	
TCDL	12.0	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.38 I n/a n/a				
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.26 L >999 240				
BCDL	10.0							Weight: 108 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	2x4 SPF No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 8-3-15 oc bracing.
	B-K: 2x4 SPF 2100F 1.8E	WEBS	1 Row at midpt H-I, G-I
WEBS	2x3 SPF No.2 *Except*		
	H-I,E-J,G-I: 2x4 SPF No.2		

REACTIONS. (size) I=0-3-8, B=0-5-8
Max Horz B=287(LC 6)
Max Uplift I=203(LC 10), B=157(LC 6)
Max Grav I=1527(LC 17), B=1420(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-5834/640, C-D=-5172/569, D-E=-4129/458, E-G=-1440/103
BOT CHORD B-M=-847/5559, L-M=-895/5544, K-L=-705/4549, J-K=-364/2361, I-J=-148/1041
WEBS C-L=-639/168, D-L=-34/622, D-K=-790/170, E-K=-307/2345, E-J=-1608/290, G-J=-116/1349, G-I=-1717/245

- 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 exposed ; end vertical left 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, with BCDL = 10.0psf.
 - 8) Bearing at joint(s) I, B considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=Ib) I=203, B=157.
 - 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	T3	GABLE	9	1	Job Reference (optional)	U1530874

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:28 2024 Page 1
 ID:hFyJDMxrTsEK_kgkR0vWWVzFlgc-VxTHXK2phbMh6XpuWMOukwEnjcp1BunL5Az5cyeVqn
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 1-4-8 7-9-4 5-11-8 6-7-10 6-5-10

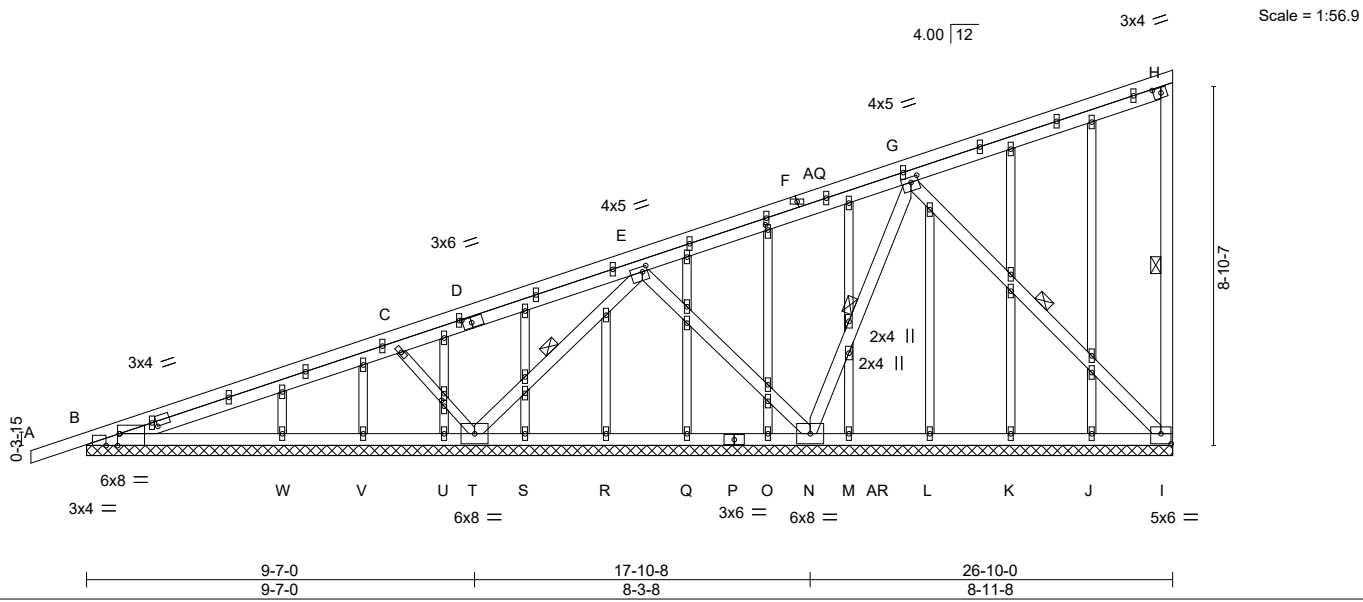


Plate Offsets (X,Y)-- [B:0-0-9,Edge], [B:0-11-7,0-1-8], [B:0-4-0,Edge], [D:0-2-10,0-1-8], [E:0-1-8,0-1-8], [G:0-2-4,0-1-8], [H:0-2-4,0-1-8], [I:0-3-0,0-3-0], [AF:0-1-9,0-0-12],
[AM:0-1-12,0-0-12]

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 0.82	Vert(LL) -0.01	A	n/r	MT20	197/144
(Roof Snow=25.0)		Lumber DOL 1.15	BC 0.56	Vert(CT) 0.04	A	n/r		
TCDL 12.0		Rep Stress Incr YES	WB 0.89	Horz(CT) -0.03	K	n/a		
BCLL 0.0 *		Code IBC2018/TPI2014	Matrix-S				Weight: 176 lb	FT = 20%
BCDL 10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 3-8-5 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2		
WEBS	2x4 SPF No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 3-11-1 oc bracing.
	C-T: 2x3 SPF No.2	WEBS	1 Row at midpt H-I, E-T, G-N, G-I
OTHERS	2x3 SPF No.2		

REACTIONS. All bearings 26-10-0.
(lb) - Max Horz B=291(LC 38)
Max Uplift All uplift 100 lb or less at joint(s) J, V except I=-1199(LC 35), B=-704(LC 32), T=-2021(LC 40), N=-900(LC 40)
Max Grav All reactions 250 lb or less at joint(s) J, K, L, M, O, Q, R, S, U, V, W except I=1231(LC 28), B=844(LC 29), T=2060(LC 53), N=1177(LC 29)

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

TOP CHORD	B-C=-2361/2145, C-E=-1374/1337, E-G=-1682/1537, G-H=-1756/1658, H-I=-302/52
BOT CHORD	B-W=-2234/2014, V-W=-1074/970, U-V=-594/442, T-U=-352/288, S-T=-1564/1483, R-S=-1294/1213, Q-R=-814/733, O-Q=-367/286, N-O=-593/512, M-N=-1104/1049, L-M=-897/843, K-L=-417/389, J-K=-725/670, I-J=-1170/1115
WEBS	C-T=-559/189, E-T=-2629/2583, E-N=-1389/1425, G-N=-1915/1874, G-I=-1577/1612

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, with BCDL = 10.0psf.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) J, V except (jt=lb) I=1199, B=704, T=2021, N=900.
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI




September 12, 2024

Continued on page 2

⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.

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240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	T3	GABLE	9	1	U1530874

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:29 2024 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-z71fkhLga?jDJG5?RDudQxTP77y2me8xZlvXd3yeVqm

- NOTES-**
- 13) 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 26-10-0 for 240.0 plf.
- 14) No notches allowed in overhang and 10408 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.

PRMU20240284 - BLDG C

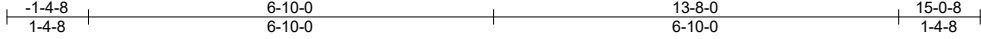
Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	U1	GABLE	10	1		U1530803

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:46 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



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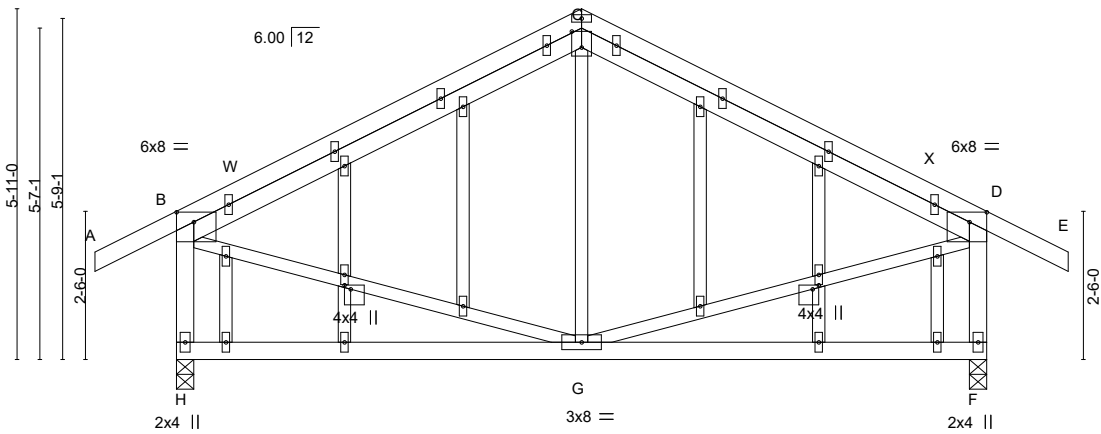


Plate Offsets (X,Y)-- [B:0-3-8,0-2-0], [C:0-3-4,0-2-0], [D:0-3-8,0-2-0], [K:0-0-13,0-1-4], [T:0-0-13,0-1-4]

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 0.81	Vert(LL)	-0.04	F-G	>999	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.33	Vert(CT)	-0.09	F-G	>999		
TCDL 12.0	Rep Stress Incr	YES	WB 0.14	Horz(CT)	0.00	F	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.00	G	>999	Weight: 86 lb	FT = 20%
BCDL 10.0									

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-11-6 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x3 SPF No.2 *Except*	
B-H,D-F: 2x4 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS. (size) H=0-3-8, F=0-3-8
Max Horz H=-95(LC 8)
Max Uplift H=-77(LC 10), F=-77(LC 11)
Max Grav H=836(LC 17), F=836(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-643/66, C-D=-643/66, B-H=-771/103, D-F=-771/103
WEBS B-G=0/413, D-G=0/413

- 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) TCLK: 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) H, F.
 - 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 12,2024

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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	U2	GABLE	10	1		U1530804

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:47 2024 Page 1

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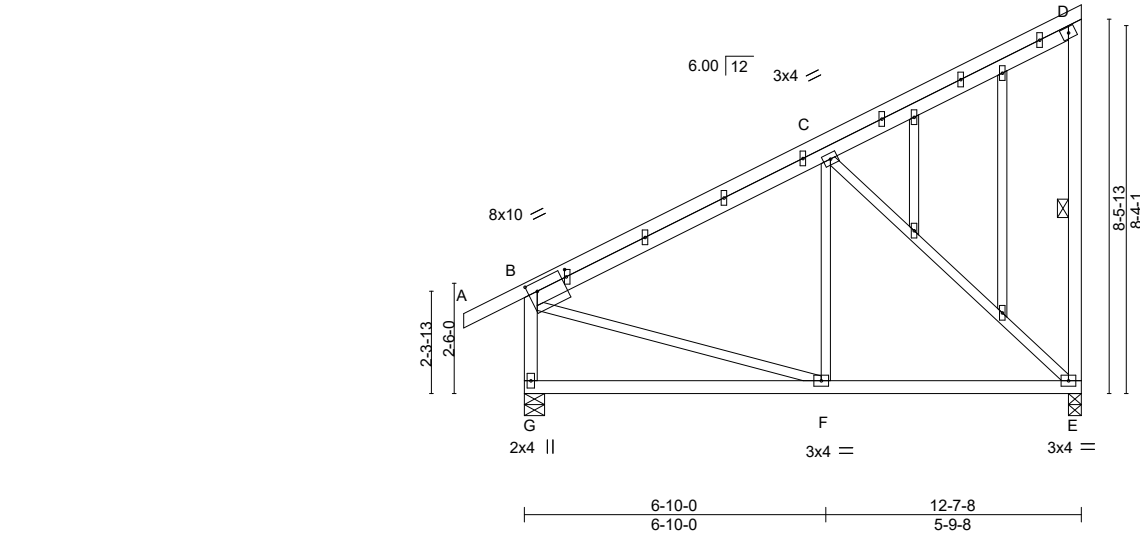


Plate Offsets (X,Y)--	[B:0-2-8,0-2-8], [B:0-2-0,0-0-7]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC 0.63	Vert(LL)	-0.05	F-G	>999	360	MT20
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.33	Vert(CT)	-0.10	F-G	>999	240	197/144
TCDL 12.0	Rep Stress Incr	YES	WB 0.92	Horz(CT)	0.01	E	n/a	n/a	
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	-0.02	E-F	>999	240	
BCDL 10.0									Weight: 82 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x3 SPF No.2 *Except*	WEBS 1 Row at midpt D-E
D-E,B-G: 2x4 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS. (size) G=0-5-8, E=0-3-8
Max Horz G=253(LC 9)
Max Uplift G=-65(LC 10), E=-107(LC 10)
Max Grav G=749(LC 17), E=739(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-621/41, D-E=-262/51, B-G=-685/95
BOT CHORD E-F=-101/474
WEBS C-E=-631/138, B-F=0/431

- 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) G except (jt=lb) E=107.
 - 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 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 12,2024

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PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	U3	Monopitch	20	1		U1530805

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:48 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWwCDoi7J4zJC?f

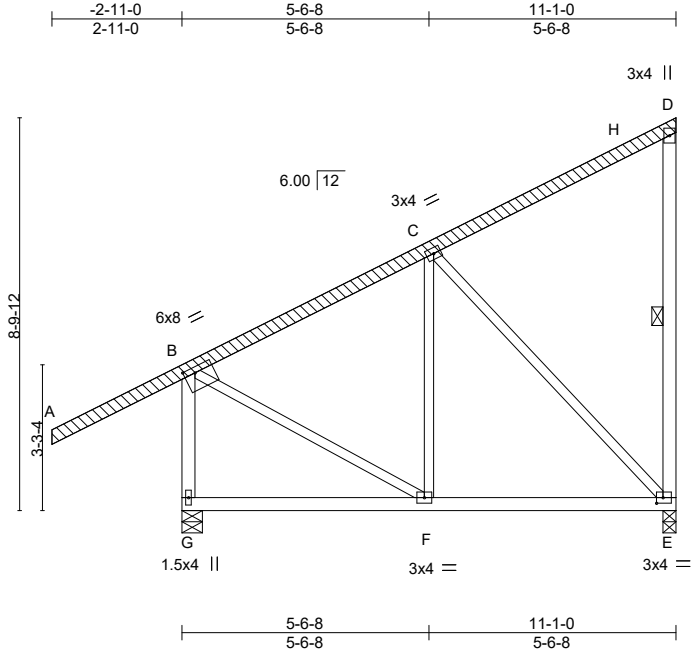


Plate Offsets (X,Y)--		[B:0-3-0,0-1-8], [E:0-1-12,0-1-8]	
LOADING (psf)	SPACING-	CSI.	DEFL.
TCLL 25.0	2-0-0	TC 0.63	in (loc) l/defl L/d
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.25	Vert(LL) -0.02 E-F >999 360
TCDL 12.0	Lumber DOL 1.15	WB 0.67	Vert(CT) -0.04 E-F >999 240
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) -0.00 E n/a n/a
BCDL 10.0	Code IBC2018/TPI2014		Wind(LL) -0.02 E-F >999 240
			PLATES GRIP
			MT20 197/144
			Weight: 77 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x3 SPF No.2 *Except*	WEBS 1 Row at midpt D-E
D-E,B-G: 2x4 SPF No.2	
OTHERS 2x4 SPF No.2	
LBR SCAB A-D 2x4 SPF No.2 one side	

REACTIONS. (size) G=0-5-8, E=0-3-8
Max Horz G=274(LC 7)
Max Uplift G=-83(LC 10), E=-103(LC 7)
Max Grav G=817(LC 17), E=629(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-439/35, D-E=-260/51, B-G=-772/107
BOT CHORD F-G=-256/88, E-F=-114/311
WEBS C-E=-443/116, B-F=0/379

- NOTES-**
- Attached 15-9-9 scab A to D, front face(s) 2x4 SPF No.2 with 1 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 2-5-1 from end at joint A, nail 1 row(s) at 4" o.c. for 2-0-0; starting at 8-5-8 from end at joint A, nail 1 row(s) at 7" o.c. for 2-0-0; starting at 13-5-14 from end at joint A, nail 1 row(s) at 7" o.c. for 2-0-0.
 - 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
 - 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
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) G except (jt=lb) E=103.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

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Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	VG1	GABLE	2	1	Job Reference (optional)	U1530875

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:29 2024 Page 1
ID:hFyjDMxTsEK_kgkR0vWWVzF1gc-z71fhkLga?DJG5?RDudQxTXZ739mqtxZlvXd3yeVqm
12-4-0
6-2-0

Structural diagram of a roof truss system. The truss has a peak at joint C. The left slope is 6.00/12. The roof is supported by a horizontal beam with joints A, B, G, F, and E. A vertical column supports joint C. The beam is supported by a foundation. Members are labeled with sizes and orientations: 3x4, 1.5x4, and 4x4. Joints are labeled A, B, C, D, E, F, G, and H. The diagram includes a scale of 1/4"=1'-0" and dimensions 12'-4" and 12'-4".

[illegible]

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.

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TC DL=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) TOLL: 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, H, F.
- 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.

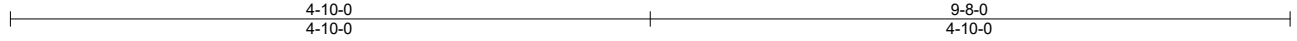
Design valid for use only with MiteTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	VG2	GABLE	2	1		U1530876
Job Reference (optional)						

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:30 2024 Page 1
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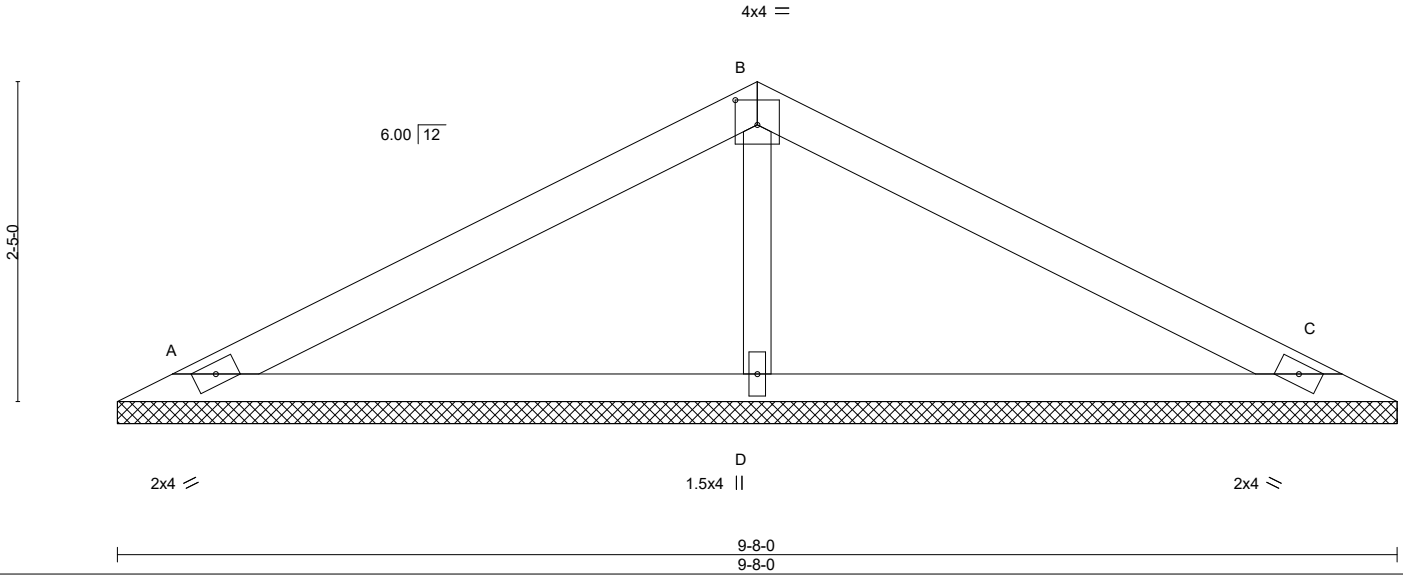


Plate Offsets (X,Y)-- [B:0-2-0,0-2-4]

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)	n/a	-	n/a	999	MT20
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.32	Vert(CT)	n/a	-	n/a	999	197/144
TCDL 12.0	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01	C	n/a	n/a	
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-S						
BCDL 10.0									
								Weight: 21 lb	FT = 20%

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=9-8-0, C=9-8-0, D=9-8-0
Max Horz A=28(LC 14)
Max Uplift A=-56(LC 10), C=-56(LC 11)
Max Grav A=423(LC 16), C=423(LC 17), D=206(LC 5)

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

TOP CHORD A-B=-474/94, B-C=-474/94
BOT CHORD A-D=-60/354, C-D=-60/354

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) TCDL: 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.



September 12, 2024

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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

240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRMU20240284 - BLDG C

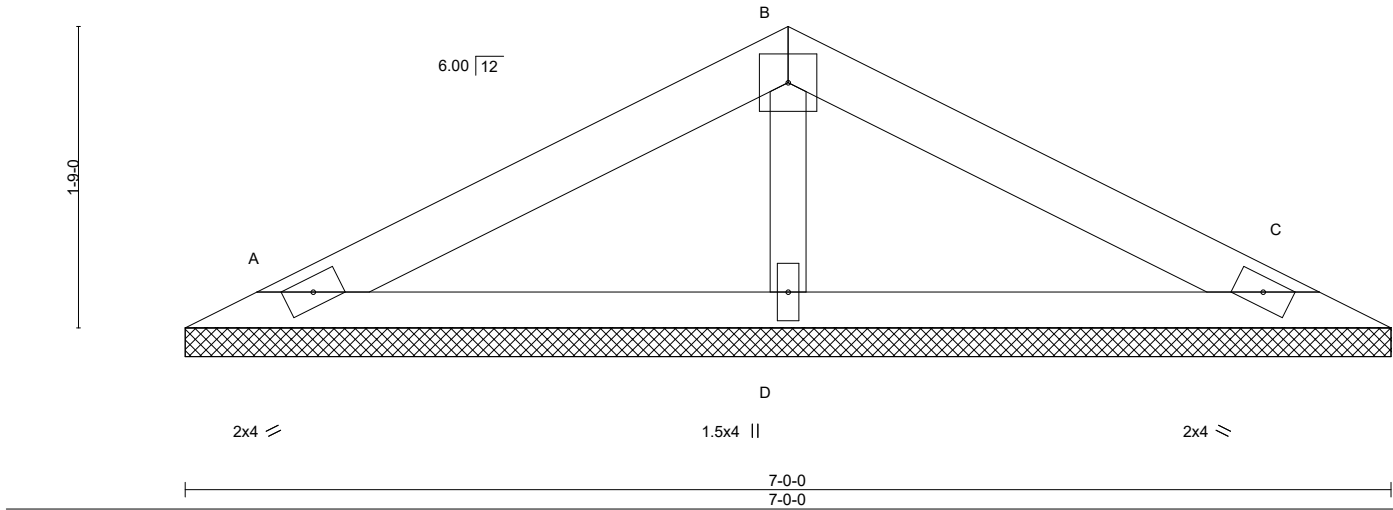
Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	VG3	Valley	2	1		U1530877
Job Reference (optional)						

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:30 2024 Page 1
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Scale = 1:13.4



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 0.23	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.15	Vert(CT)	n/a	-	n/a	999		
TCDL 12.0	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	C	n/a	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-P						Weight: 15 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=7-0-0, C=7-0-0, D=7-0-0
Max Horz A=19(LC 10)
Max Uplift A=-23(LC 10), C=-27(LC 11)
Max Grav A=188(LC 16), C=188(LC 17), D=269(LC 1)

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

NOTES-

- 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
- 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
- Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	VG4	Valley	2	1		U1530878
Job Reference (optional)						

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024
MiTek Industries, Inc.
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Page 1
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2-2-0
2-2-0
4-4-0
2-2-0

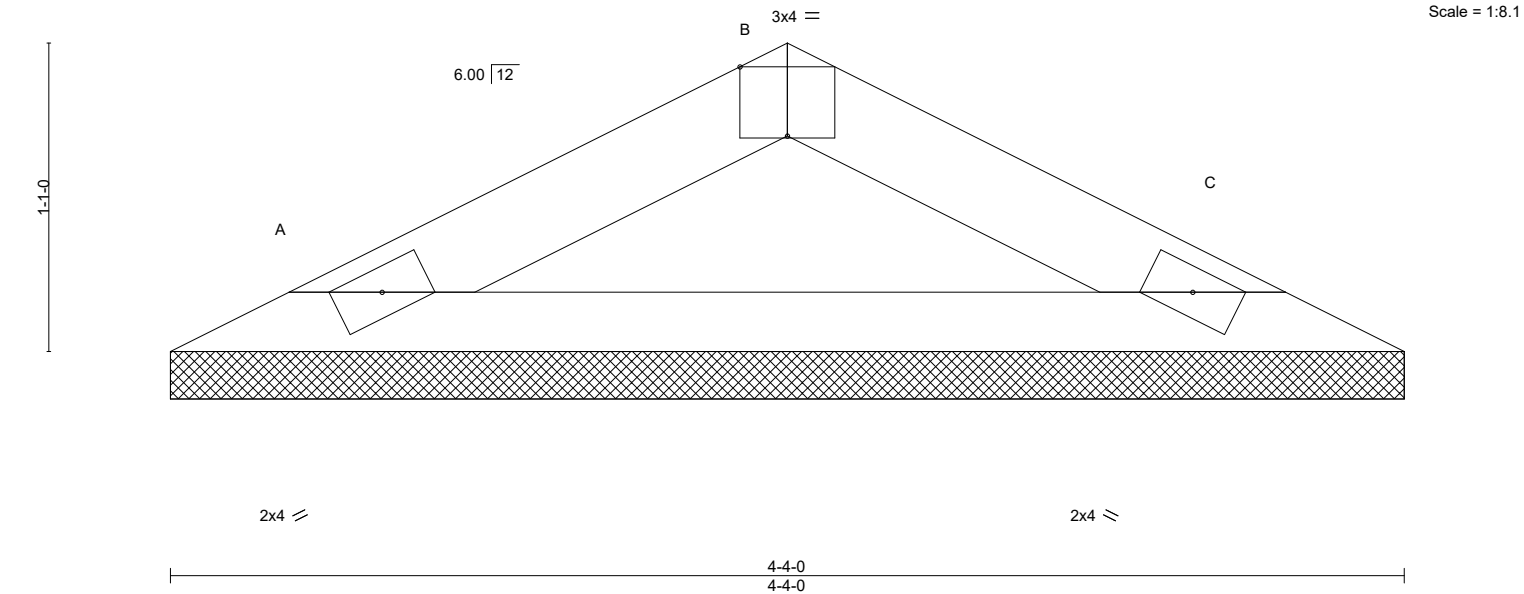


Plate Offsets (X,Y)--		[B:0-2-0,Edge]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d					PLATES GRIP		
TCLL	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	197/144	
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.23	Vert(CT)	n/a	-	n/a	999			
TCDL	12.0	Rep Stress Incr	YES	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-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 4-4-0 oc purlins.
BOT CHORD	2x3 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) A=4-4-0, C=4-4-0
Max Horz A=11(LC 10)
Max Uplift A=-13(LC 10), C=-13(LC 11)
Max Grav A=166(LC 16), C=166(LC 17)

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

- NOTES-**
- 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
 - 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
 - Unbalanced snow loads have been considered for this design.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



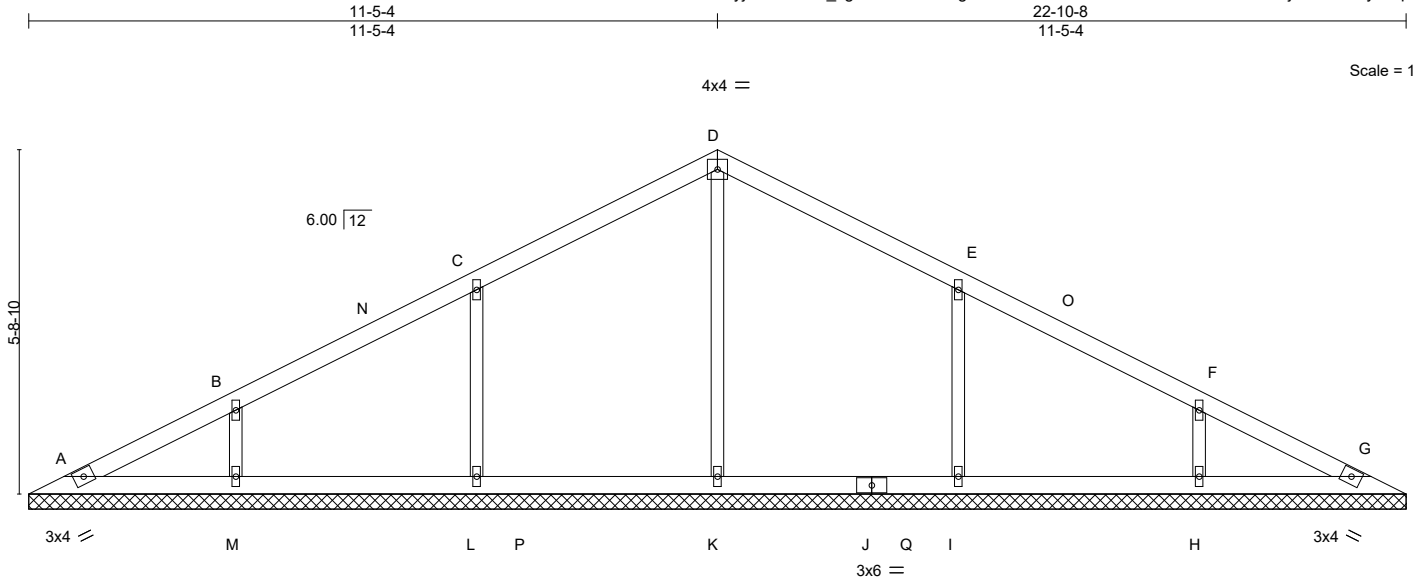
September 12,2024

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530879
N0653A	VH1	Valley	20	1	Job Reference (optional)	

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:31 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-vW9P9NMw6czYafOZew5VMYtmwk0EjuD13OdixyeVqk

LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	25.0	2-0-0		TC	0.30	in (loc)	l/defl	L/d			
(Roof Snow=25.0)		Plate Grip DOL	1.15	BC	0.14	Vert(LL)	n/a	n/a	MT20	197/144	
TCDL	12.0	Lumber DOL	1.15	WB	0.17	Vert(CT)	n/a	n/a			
BCLL	0.0 *	Rep Stress Incr	YES	Matrix-S		Horz(CT)	0.00	G			
BCDL	10.0	Code IBC2018/TPI2014							Weight: 65 lb	FT = 20%	

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 22-10-8.
(lb) - Max Horz A=-71(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) A, L, M, I, H
Max Grav All reactions 250 lb or less at joint(s) A, G except K=403(LC 3), L=551(LC 16), M=357(LC 2),
I=551(LC 17), H=357(LC 2)

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

WEBS C-L=-470/129, B-M=-271/106, E-I=-470/129, F-H=-271/106

NOTES-

- 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
- 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
- Unbalanced snow loads have been considered for this design.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, L, M, I, H.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.**

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

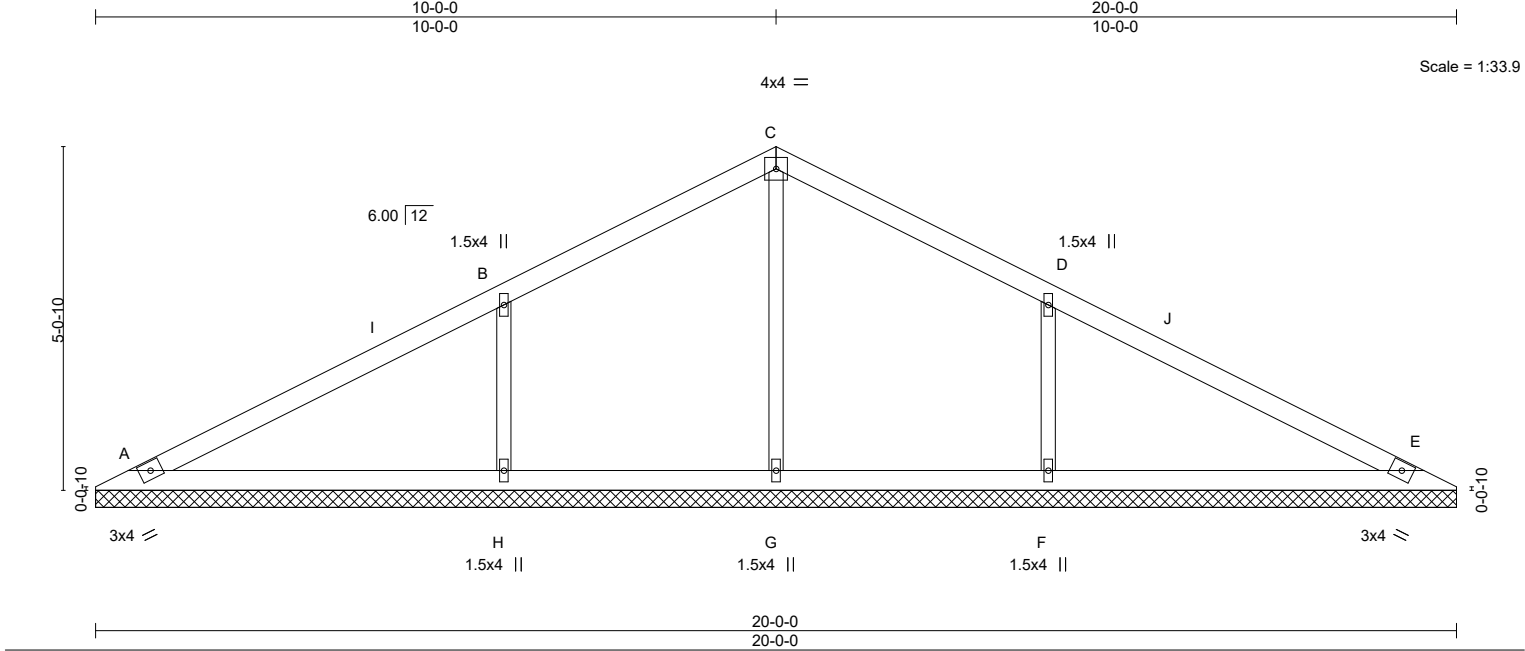
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

240 Stirling Crescent
Bradford, ON. L3Z 4L5

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530880
N0653A	VH2	Valley	20	1	Job Reference (optional)	

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,
8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:32 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-NijnMjNYtw5oAkqa7LRK2a5?zK2GzAiNGj8BENyeVqj



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.46	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.21	Vert(LL) n/a - n/a 999		
TCDL 12.0	Lumber DOL 1.15	WB 0.14	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 E n/a n/a		
BCDL 10.0	Code IBC2018/TPI2014			Weight: 55 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x3 SPF No.2	

REACTIONS.	All bearings 20-0-0.
(lb) - Max Horz A=62(LC 14)	
Max Uplift All uplift 100 lb or less at joint(s) A, E except H=-117(LC 10), F=-117(LC 11)	
Max Grav All reactions 250 lb or less at joint(s) A, E, G except H=704(LC 16), F=704(LC 17)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-H=-572/165, D-F=-573/165	

- NOTES-**
- 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
 - 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
 - Unbalanced snow loads have been considered for this design.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, E except (jt=lb) H=117, F=117.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



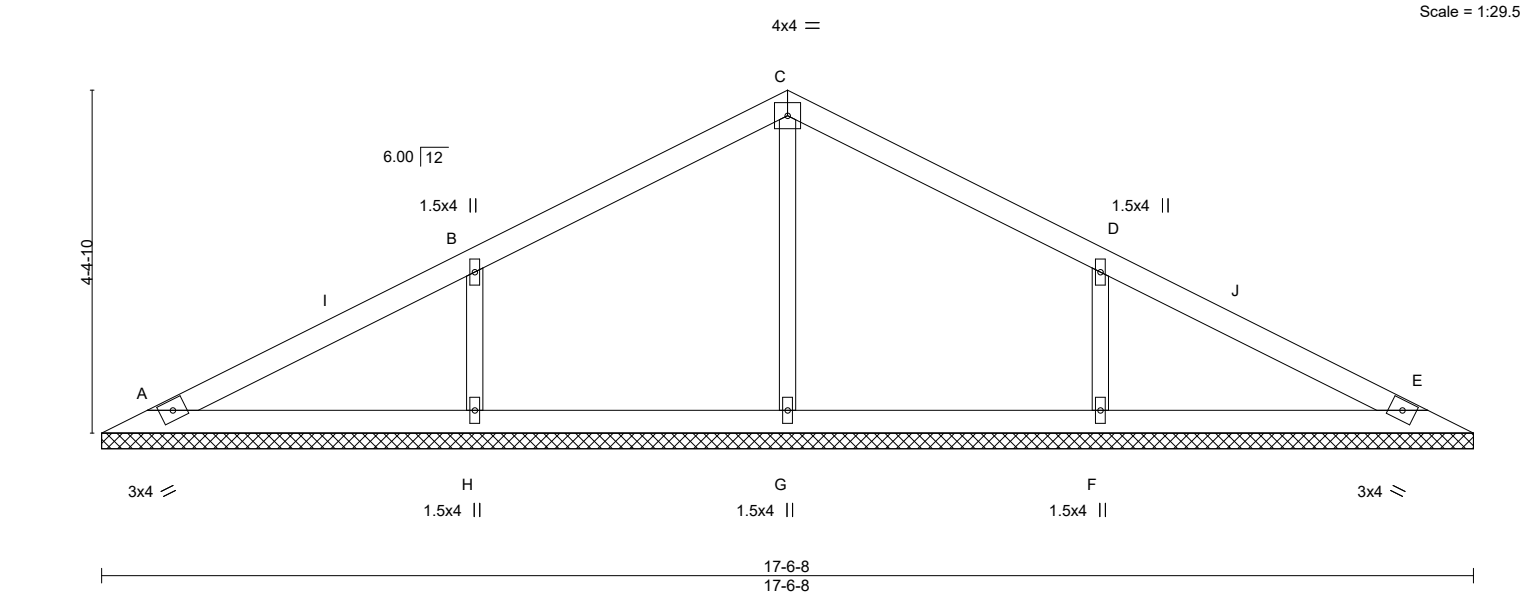
September 12,2024

PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	VH3	Valley	20	1		U1530881

Alliance Truss (CA),
 Abbotsford, BC - V2S 7P6,
 8.820 s Aug 30 2024 MiTek Industries, Inc.
 Thu Sep 12 02:48:32 2024
 Page 1
 ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-NijnMjNYtw5oAkqa7LRK2a51sK4bzBGNGj8BENyeVqj

Job Reference (optional)
 17-6-8
 8-9-4



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.34	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.12	Vert(LL) n/a - n/a 999		
TCDL 12.0	Lumber DOL 1.15	WB 0.10	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 E n/a n/a		
BCDL 10.0	Code IBC2018/TPI2014			Weight: 47 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x3 SPF No.2	

REACTIONS. All bearings 17-6-8.

(lb) - Max Horz A=53(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) A, E, H, F

Max Grav All reactions 250 lb or less at joint(s) A, E except G=298(LC 16), H=604(LC 16), F=604(LC 17)

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

WEBS B-H=-502/139, D-F=-502/139

- NOTES-**
- 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
 - 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
 - Unbalanced snow loads have been considered for this design.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, E, H, F.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

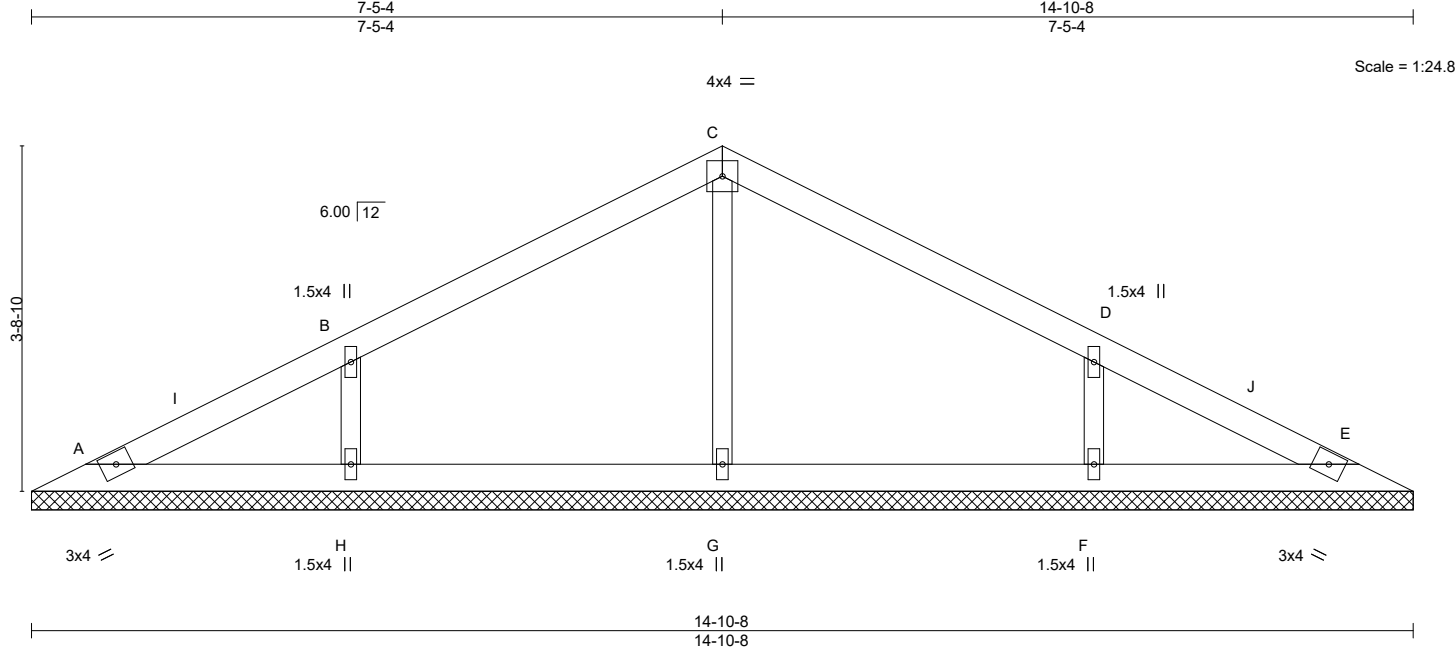
PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	VH4	Valley	20	1		U1530882

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:33 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-rvHAa3OAeDDfntPmg3yZbndDekQBieoWUNtkmqyeVqi



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.28	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.10	Vert(LL) n/a - n/a 999		
TCDL 12.0	Lumber DOL 1.15	WB 0.08	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 E n/a n/a		
BCDL 10.0	Code IBC2018/TPI2014			Weight: 39 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x3 SPF No.2	

REACTIONS. All bearings 14-10-8.
(lb) - Max Horz A=45(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) A, H, F
Max Grav All reactions 250 lb or less at joint(s) A, E except G=326(LC 16), H=526(LC 16), F=526(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-H=-449/119, D-F=-449/119

- 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, H, F.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024

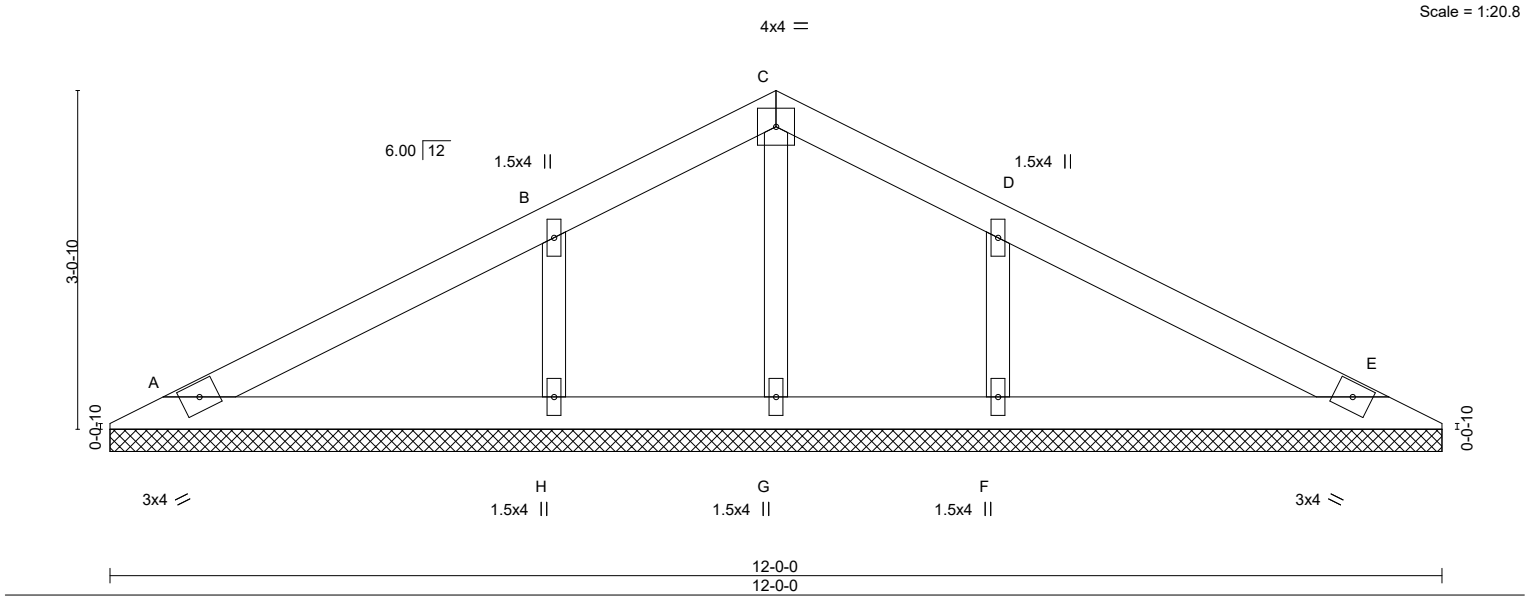
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



PRMU20240284 - BLDG C

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	VH5	GABLE	20	1		U1530883
Job Reference (optional)						

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,
8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:33 2024 Page 1
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12-0-0
6-0-0
6-0-0



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.23	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.08	Vert(LL) n/a - n/a 999		
TCDL 12.0	Lumber DOL 1.15	WB 0.07	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 E n/a n/a		
BCDL 10.0	Code IBC2018/TPI2014			Weight: 32 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x3 SPF No.2	

REACTIONS.
All bearings 12-0-0.
(lb) - Max Horz A=36(LC 14)
Max Uplift All uplift 100 lb or less at joint(s) A, E, H, F
Max Grav All reactions 250 lb or less at joint(s) A, E, G except H=483(LC 16), F=483(LC 17)

FORCES.
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-H=-391/99, D-F=-391/99

- NOTES-**
- 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
 - 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
 - Unbalanced snow loads have been considered for this design.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, E, H, F.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



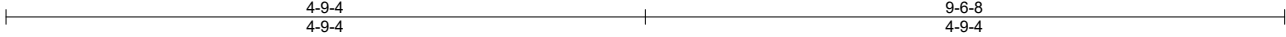
September 12,2024

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530884
N0653A	VH6	Valley	20	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:34 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-K5qYnOPpPXMWP1_zEmTo7?AMO8jdR6Lgj1dHIGyeVqh



Scale = 1:17.2

PRMU20240284 - BLDG C

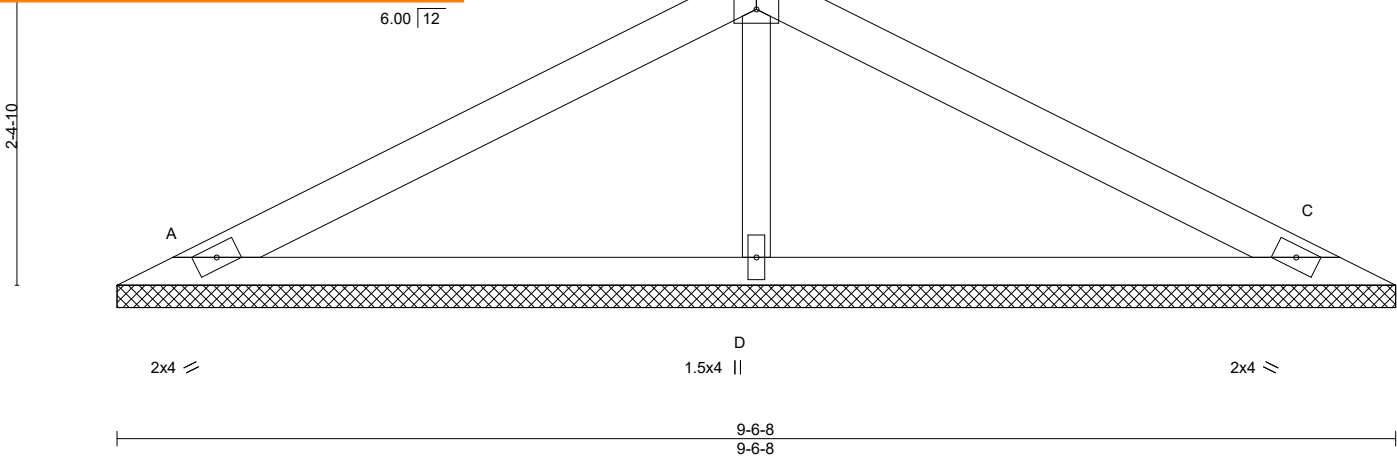


Plate Offsets (X,Y)-- [B:0-2-12,0-2-0]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	n/a - n/a	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.28	Vert(CT)	n/a - n/a		
TCDL	12.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00 C n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-S				Weight: 20 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x3 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x3 SPF No.2		

REACTIONS. (size) A=9-6-8, C=9-6-8, D=9-6-8
Max Horz A=-28(LC 15)
Max Uplift A=-27(LC 10), C=-33(LC 11), D=-12(LC 10)
Max Grav A=262(LC 16), C=262(LC 17), D=424(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-D=-309/57

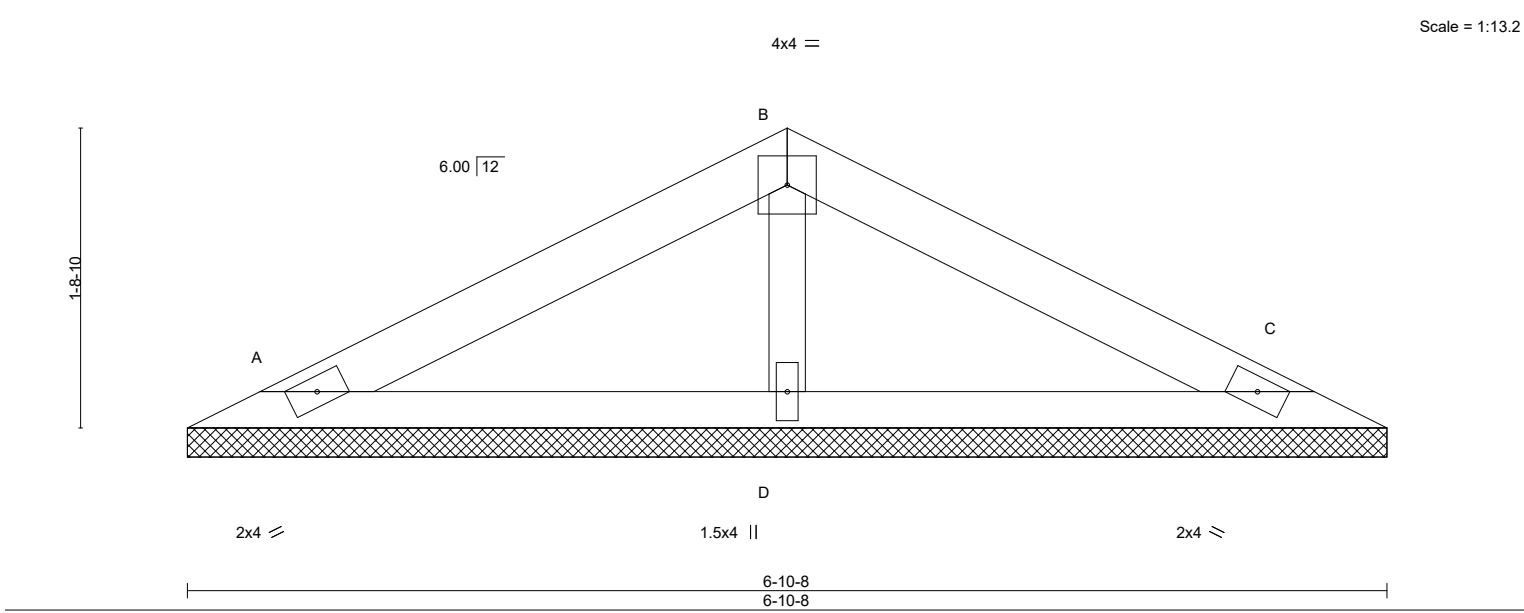
- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) TCCL: ASCE 7-16; 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, D.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
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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 0.22	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.14	Vert(CT)	n/a	-	n/a	999		
TCDL 12.0	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	C	n/a	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-P						Weight: 14 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=6-10-8, C=6-10-8, D=6-10-8
Max Horz A=-19(LC 15)
Max Uplift A=-23(LC 10), C=-27(LC 11)
Max Grav A=183(LC 16), C=183(LC 17), D=264(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) 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.



September 12, 2024

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530886
N0653A	VH8	Valley	20	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:34 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-K5qYnOPpPXMWP1_zEmTo7?ASu8khR6Jg1dHIGyeVqh

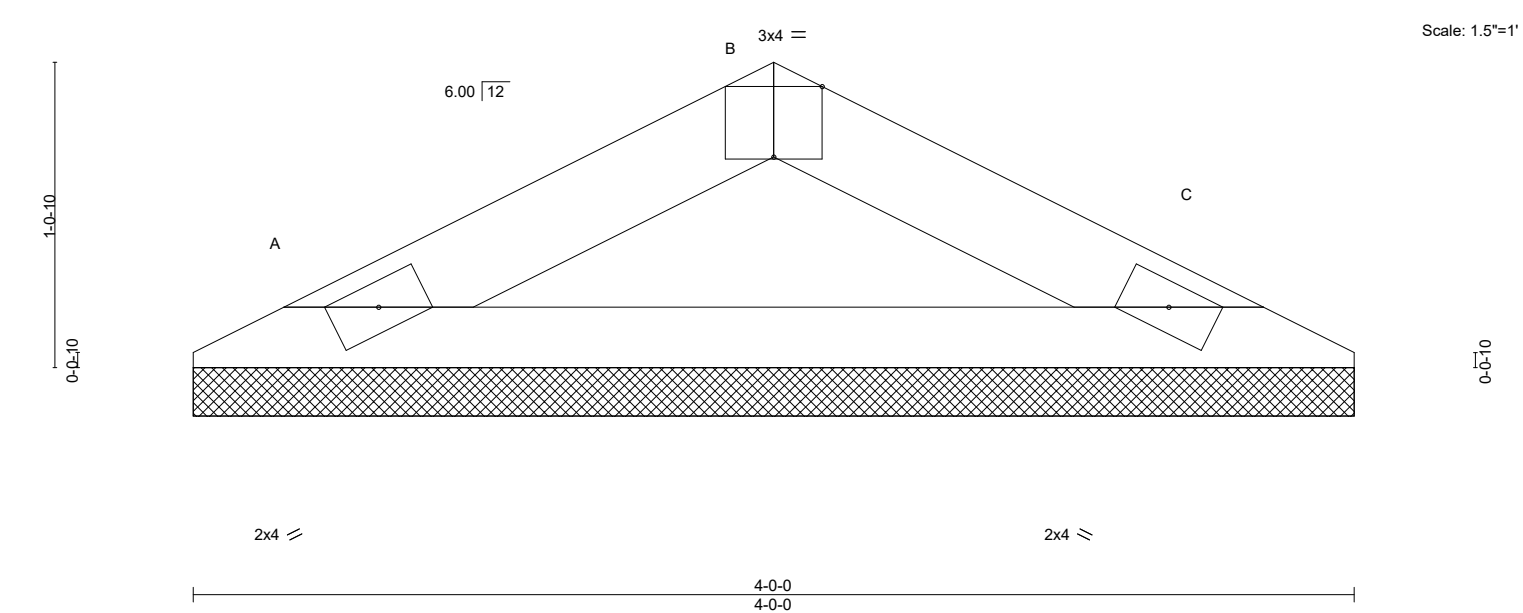


Plate Offsets (X,Y)-- [B:0-2-0,Edge]		4-0-0		4-0-0	
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	PLATES
TCLL 25.0	Plate Grip DOL 1.15		TC 0.05	in (loc) l/defl L/d	MT20
(Roof Snow=25.0)	Lumber DOL 1.15		BC 0.21	Vert(LL) n/a - n/a 999	197/144
TCDL 12.0	Rep Stress Incr YES		WB 0.00	Vert(CT) n/a - n/a 999	
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-P	Horz(CT) 0.00 C n/a n/a	
BCDL 10.0					Weight: 8 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-2-8 oc purlins.
BOT CHORD 2x3 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) A=4-0-0, C=4-0-0
Max Horz A=-10(LC 15)
Max Uplift A=-12(LC 10), C=-12(LC 11)
Max Grav A=159(LC 16), C=159(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.

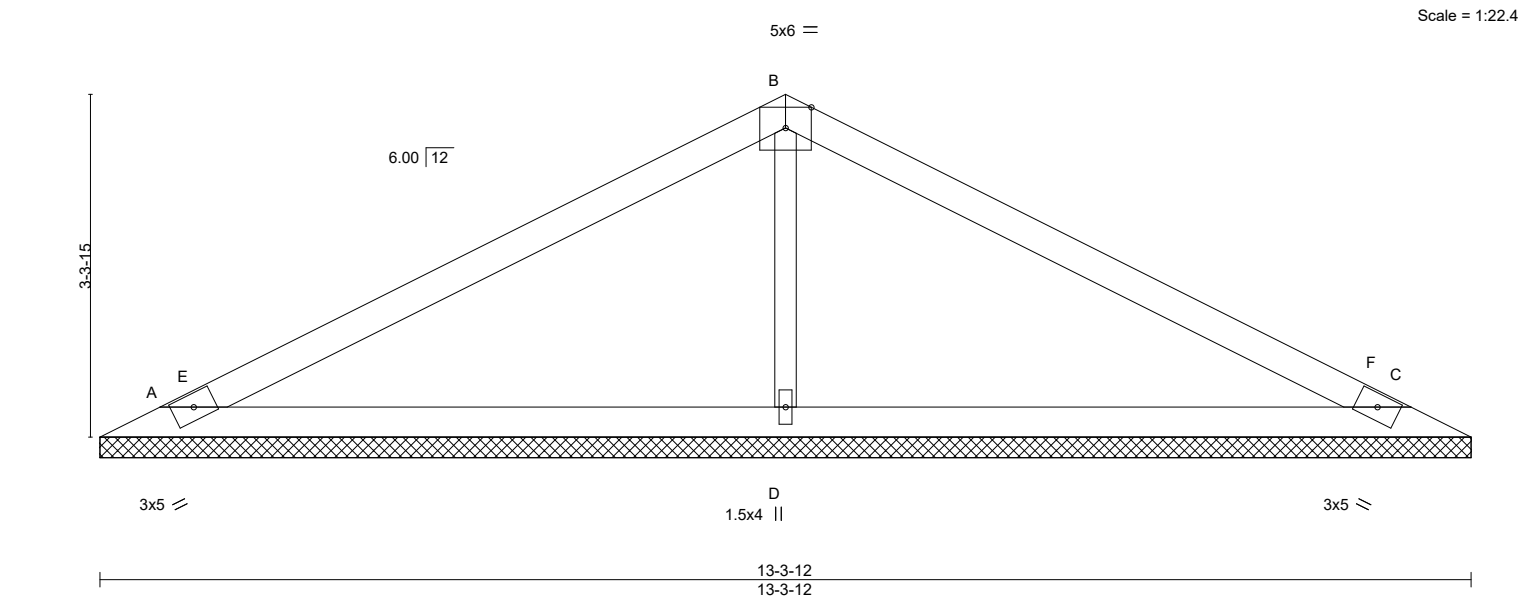


September 12, 2024

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VR1	Valley	1	1	

U1530806

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:48 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.83	Vert(LL)	n/a	-	n/a	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.32	Vert(CT)	n/a	-	n/a		
TCDL 12.0	Lumber DOL 1.15	WB 0.11	Horz(CT)	0.00	C	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S						
BCDL 10.0	Code IBC2018/TPI2014						Weight: 33 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-8-11 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x3 SPF No.2	

REACTIONS. (size) A=13-3-12, C=13-3-12, D=13-3-12
Max Horz A=-39(LC 11)
Max Uplift A=-38(LC 10), C=-45(LC 11), D=-18(LC 10)
Max Grav A=365(LC 16), C=365(LC 17), D=610(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-D=-425/79

- 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, D.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530807
N0653A	VR2	Valley	1	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:48 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f
5-3-14 5-3-14 10-7-12 5-3-14

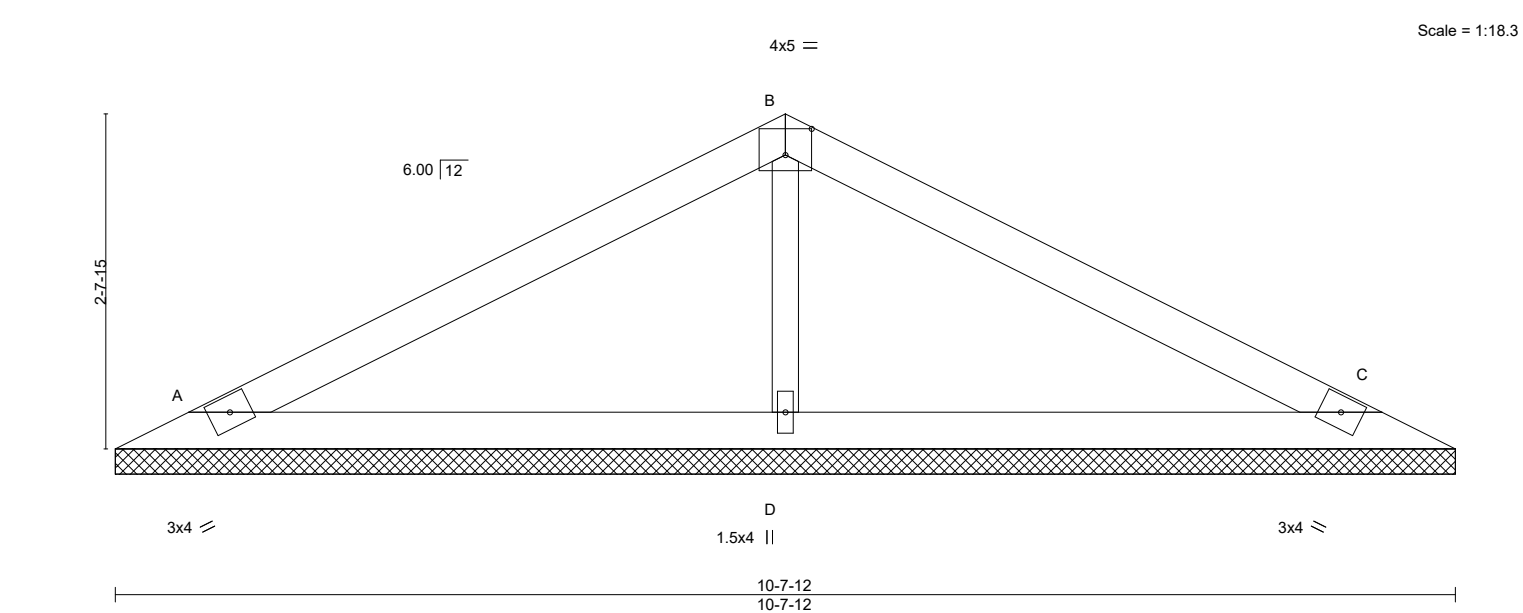


Plate Offsets (X,Y)-- [B:0-2-8,0-2-8]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	n/a - n/a	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.19	Vert(CT)	n/a - n/a		
TCDL	12.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00 C n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-S				Weight: 26 lb	FT = 20%
BCDL	10.0								

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x3 SPF No.2		

REACTIONS. (size) A=10-7-12, C=10-7-12, D=10-7-12
Max Horz A=31(LC 14)
Max Uplift A=-29(LC 10), C=-35(LC 11), D=-14(LC 10)
Max Grav A=296(LC 16), C=296(LC 17), D=474(LC 17)

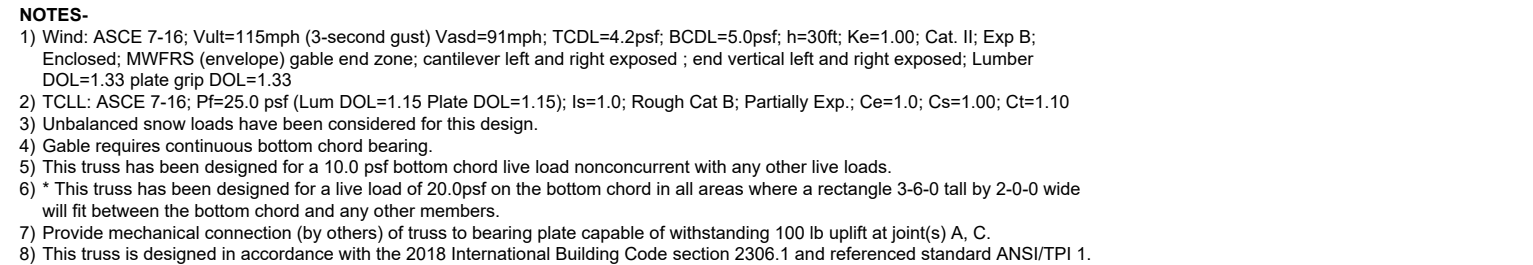
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-D=-329/61

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCCL=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) TCCL: 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=1.0; 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, D.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



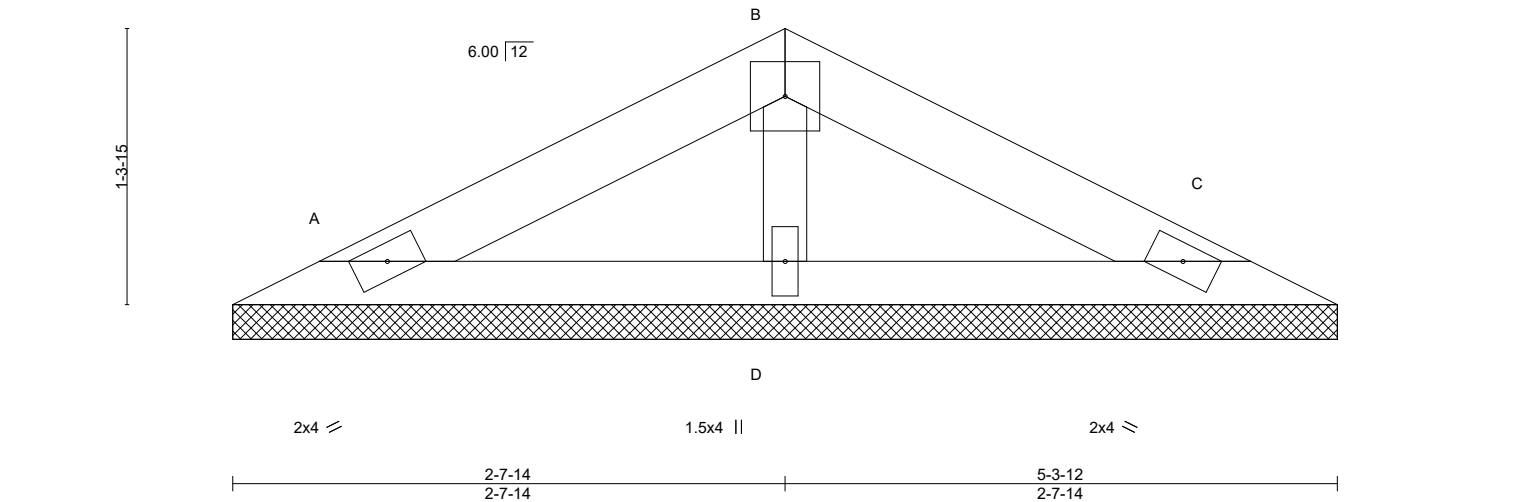
September 12,2024

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:49 2024 Page 1
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 3-11-14 7-11-12
 3-11-14 3-11-14



Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530809
N0653A	VR4	Valley	1	1	Job Reference (optional)	

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,
8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:49 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f
5-3-12
2-7-14
2-7-14
2-7-14
4x4 =
Scale = 1:11.1



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.11	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.08	Vert(CT)	n/a	-	n/a	999		
TCDL 12.0	Lumber DOL 1.15	WB 0.02	Horz(CT)	0.00	C	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P							
BCDL 10.0	Code IBC2018/TPI2014							Weight: 11 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-3-12 oc purlins.
BOT CHORD 2x3 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x3 SPF No.2	

REACTIONS.	(size)
A=5-3-12, C=5-3-12, D=5-3-12	
Max Horz A=14(LC 14)	
Max Uplift A=-17(LC 10), C=-20(LC 11)	
Max Grav A=129(LC 16), C=129(LC 17), D=193(LC 1)	

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

- NOTES-**
- 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
 - 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
 - Unbalanced snow loads have been considered for this design.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

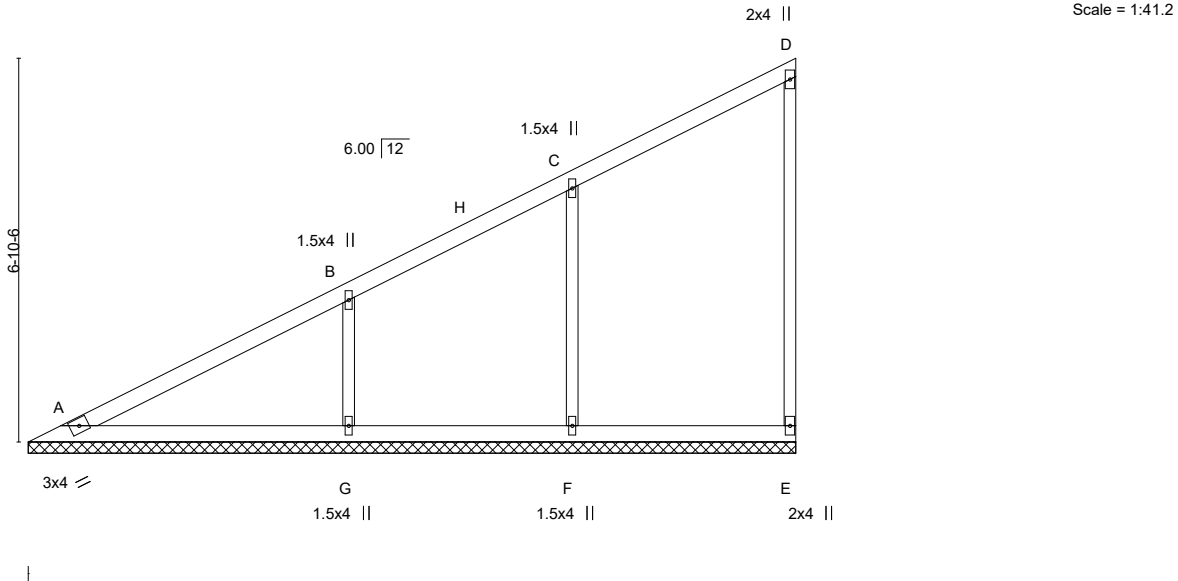


September 12,2024

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530887
N0653A	VU1	Valley	20	1	Job Reference (optional)	

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,
8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:35 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-oHOw?kQrARUM1BZ9oU?1gCjY7X45AWypyhMriyeVqg



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)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.20	Vert(CT)	n/a	-	n/a	999		
TCDL 12.0	Rep Stress Incr	YES	WB 0.23	Horz(CT)	-0.00	E	n/a	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-S						Weight: 43 lb	FT = 20%
BCDL 10.0										

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS. All bearings 13-8-13.
 (lb) - Max Horz A=201(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) E, F except G=-103(LC 10)
 Max Grav All reactions 250 lb or less at joint(s) A, E except F=528(LC 3), G=509(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS C-F=-446/107, B-G=-381/150

- 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, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) E, F except (jt=lb) G=103.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VU2	Valley	20	1	

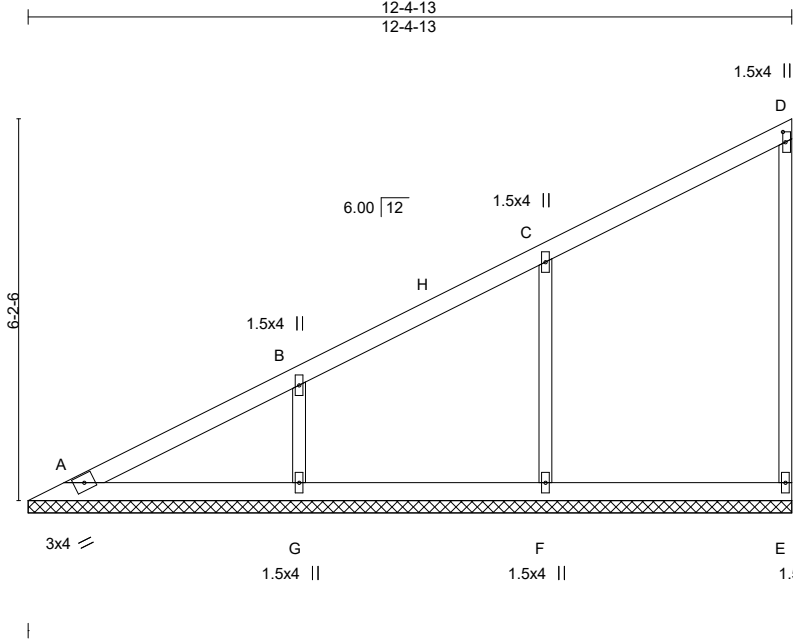
U1530888

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:35 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-oH0w?kQARaUM1BZ9oU?1gCjZjX5wAXjpyhMriyeVqg



Scale = 1:37.4

Plate Offsets (X,Y)--		[D: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 0.30		Vert(LL) n/a - n/a 999		MT20	197/144
(Roof Snow=25.0)		Lumber DOL 1.15		BC 0.14		Vert(CT) n/a - n/a 999			
TCDL 12.0		Rep Stress Incr YES		WB 0.18		Horz(CT) -0.00 E n/a n/a			
BCLL 0.0 *		Code IBC2018/TPI2014		Matrix-S				Weight: 38 lb	FT = 20%
BCDL 10.0									

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS. All bearings 12-4-13.
(lb) - Max Horz A=180(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) E, F, G
Max Grav All reactions 250 lb or less at joint(s) A, E except F=562(LC 3), G=409(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS C-F=-469/118, B-G=-310/123

- 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, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) E, F, G.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024

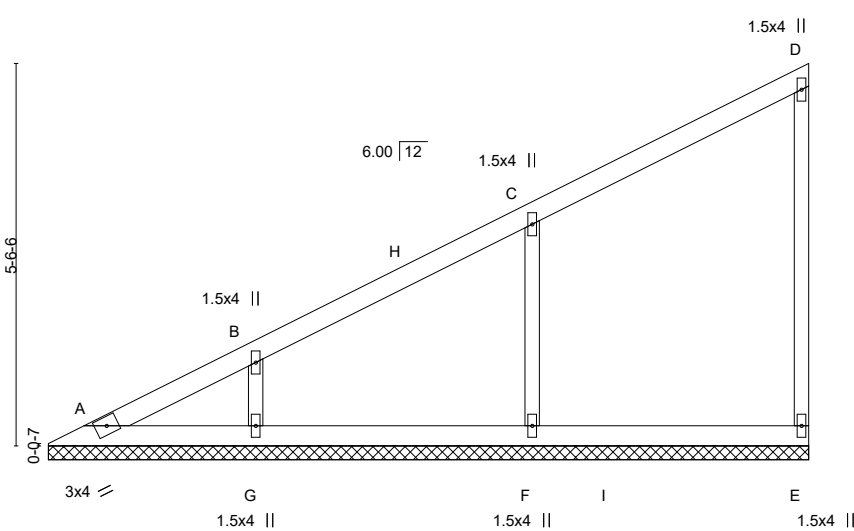
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VU3	Valley	20	1	U1530889

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,
8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:36 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-GUyIC4Q3x8cDeL8LMBWGCQFkExRHv_eyBL6ON9yeVqf



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.32	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.14	Vert(LL) n/a - n/a 999		
TCDL 12.0	Lumber DOL 1.15	WB 0.14	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) -0.00 E n/a n/a		
BCDL 10.0	Code IBC2018/TPI2014			Weight: 33 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS. All bearings 11-0-0.
 (lb) - Max Horz A=159(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) E, F, G
 Max Grav All reactions 250 lb or less at joint(s) A, E except F=569(LC 16), G=333(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS C-F=-481/125, B-G=-256/103

- 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, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) E, F, G.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VU4	Valley	20	1	

U1530890

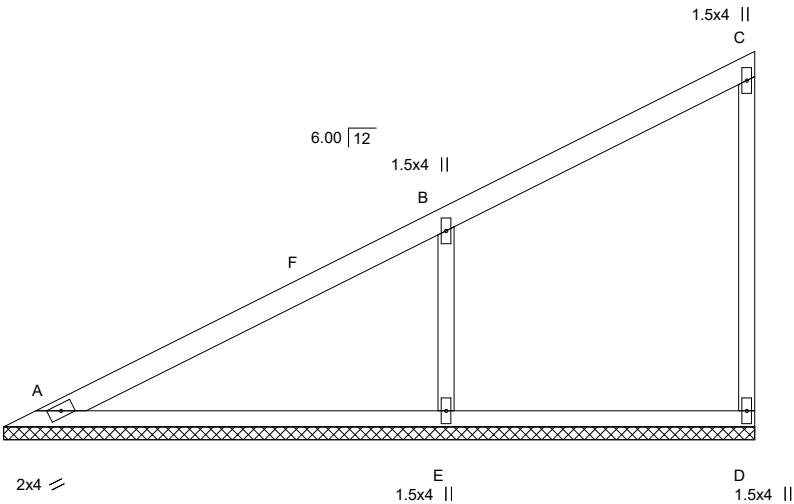
Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:36 2024 Page 1

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9-8-13

9-8-13



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.46	Vert(LL)	n/a	-	n/a	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.35	Vert(CT)	n/a	-	n/a		
TCDL 12.0	Lumber DOL 1.15	WB 0.13	Horz(CT)	-0.00	D	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S						
BCDL 10.0	Code IBC2018/TPI2014						Weight: 25 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x3 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS. (size) A=9-8-13, D=9-8-13, E=9-8-13
Max Horz A=140(LC 7)
Max Uplift D=-19(LC 7), E=-110(LC 10)
Max Grav A=198(LC 16), D=182(LC 16), E=688(LC 16)

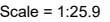
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-E=-571/157

- 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) D except (jt=lb) E=110.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024

8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:37 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-kgWgPQRhhSk4GVjXvv1VldouPLmoesSW6P?ryvbyeVqe
8-4-13
8-4-13



LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x3 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x3 SPF No.2		
OTHERS	2x3 SPF No.2		

NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TC DL=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) TCDL: 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) D, E.
- 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.

Design valid for use only with MiteTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

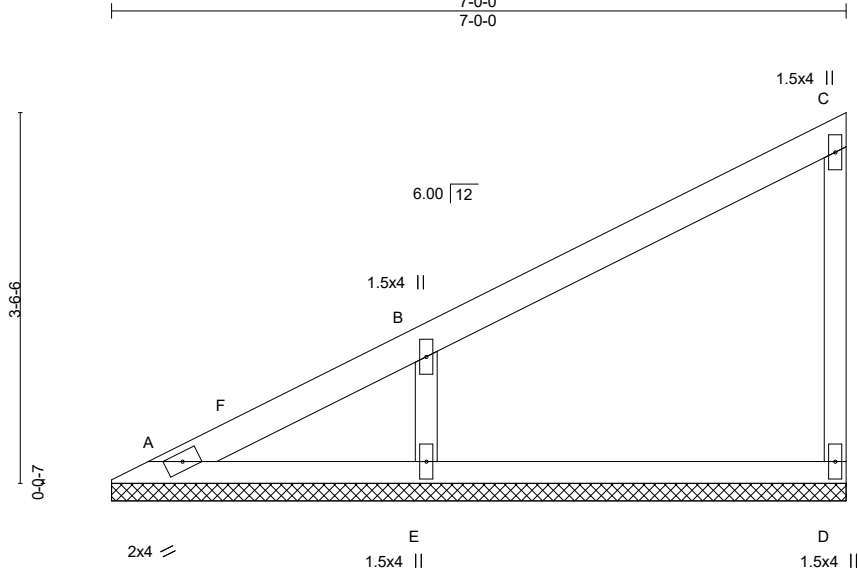


Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VU6	Valley	20	1	

U1530892

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:37 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-kgWgPQRhhSk4GVjXvv1VldovHLMoeSm6P?ryvbyeVqe



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 0.30	Vert(LL)	n/a	-	n/a	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.21	Vert(CT)	n/a	-	n/a		
TCDL 12.0	Rep Stress Incr	YES	WB 0.08	Horz(CT)	-0.00	D	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-P					Weight: 17 lb	FT = 20%
BCDL 10.0									

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x3 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS.	(size) A=7-0-0, D=7-0-0, E=7-0-0
Max Horz A=99(LC 7)	
Max Uplift D=-19(LC 10), E=-81(LC 10)	
Max Grav A=74(LC 20), D=209(LC 16), E=543(LC 16)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS	B-E=-460/122

- 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) D, E.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



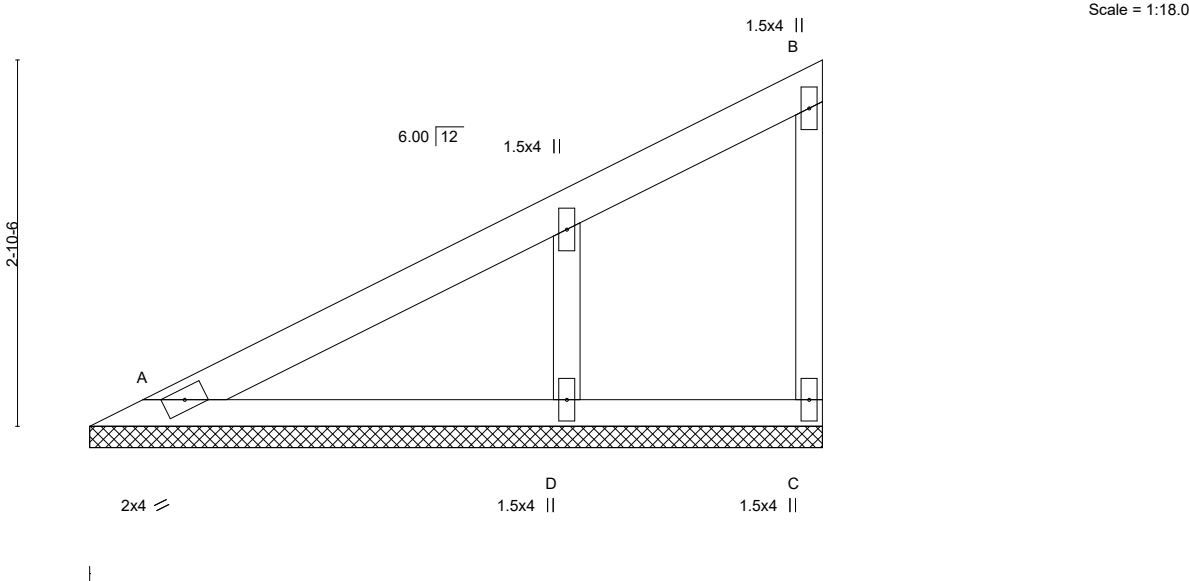
September 12, 2024

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VU7	GABLE	20	1	U1530893

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,

8.820 s Aug 30 2024 MiTek Industries, Inc.
Thu Sep 12 02:48:38 2024
Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-Cs43dmSJSmsxufHkTcYklrLy6i7INwJFeebVS1yeVqd

5-8-13
5-8-13



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.81	Vert(LL)	n/a	-	n/a	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.14	Vert(CT)	n/a	-	n/a		
TCDL 12.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	-0.00	C	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P						
BCDL 10.0	Code IBC2018/TPI2014						Weight: 14 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-8-13 oc purlins, except end verticals.
BOT CHORD 2x3 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS. (size) A=5-8-13, C=5-8-13, D=5-8-13
Max Horz A=79(LC 9)
Max Uplift A=-33(LC 10), C=-61(LC 10)
Max Grav A=311(LC 16), C=294(LC 16), D=134(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-286/65

- 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.

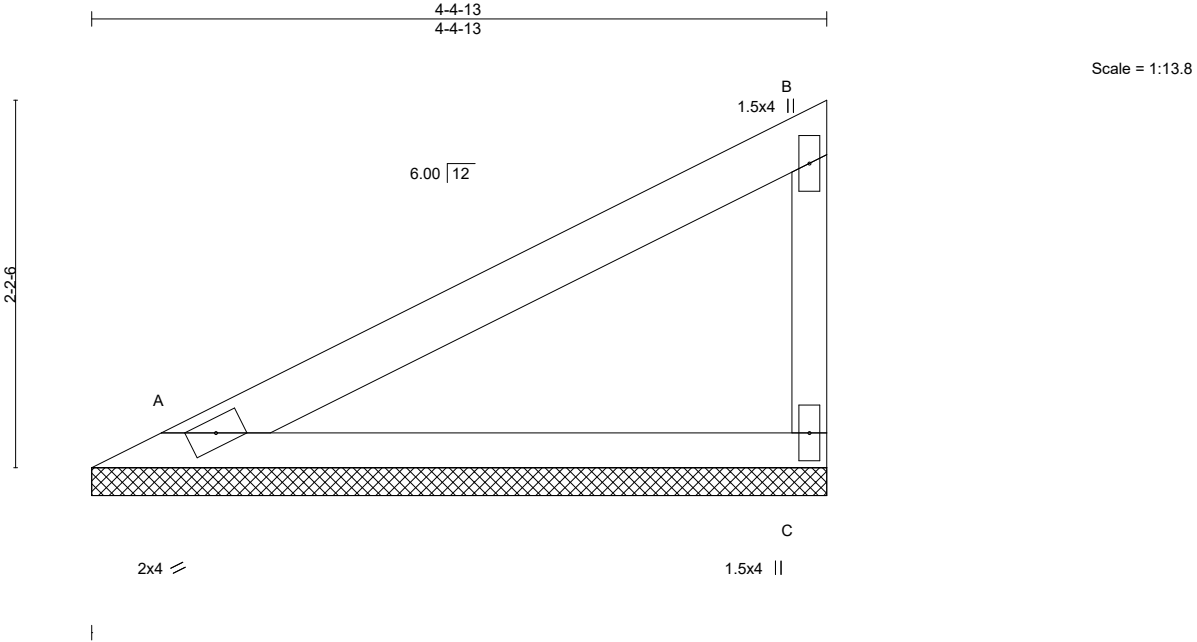


September 12,2024

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VU8	Valley	20	1	U1530894

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,
8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:38 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-Cs43dmSJSmsufHkTcYkrlrL2SI5KNwJFeebVS1yeVqd



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 0.40	Vert(LL)	n/a	-	n/a	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.29	Vert(CT)	n/a	-	n/a		
TCDL 12.0	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	C	n/a	Weight: 10 lb	FT = 20%
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-P						
BCDL 10.0									

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-4-13 oc purlins, except end verticals.
BOT CHORD 2x3 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x3 SPF No.2	

REACTIONS.
(size)
A=4-4-13, C=4-4-13

Max Horz A=58(LC 9)

Max Uplift A=-15(LC 10), C=-29(LC 10)

Max Grav A=239(LC 16), C=239(LC 16)

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.





Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	W1	GABLE	10	1	U1530810

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:50 2024 Page 1
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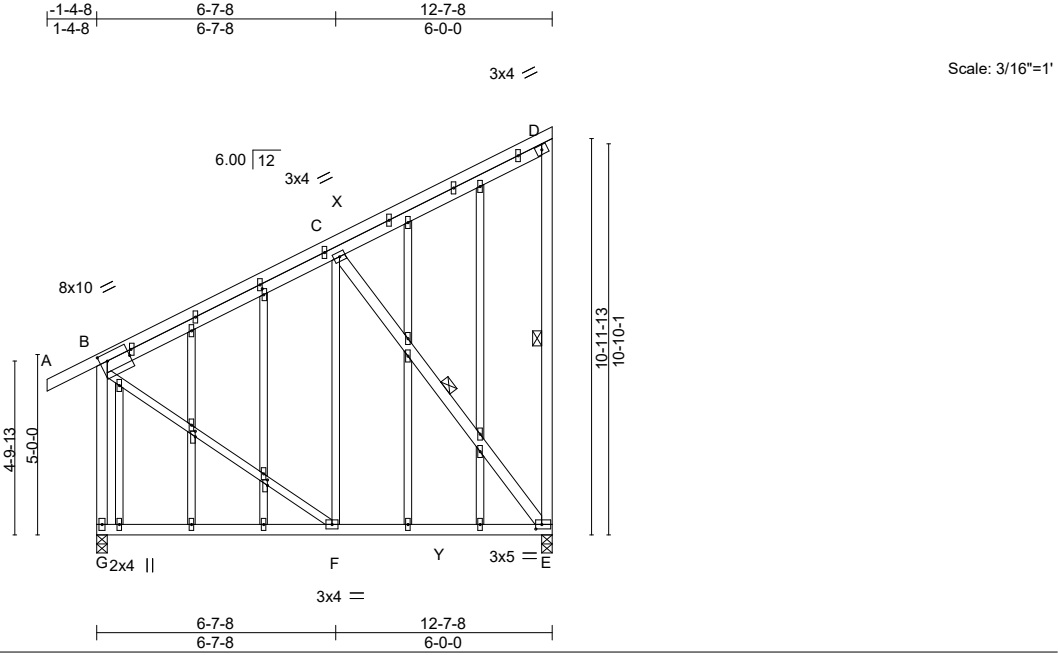


Plate Offsets (X,Y)--	[B:0-2-0,0-0-7], [B:0-2-8,0-2-8], [E:0-2-0,0-1-8], [P:0-1-13,0-0-0], [Q:0-2-0,0-0-8], [S:0-1-13,0-0-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	Plate Grip DOL	1.15	TC 0.68	Vert(LL)	-0.05	E-F	>999	360	MT20 197/144
TCDL 12.0	Lumber DOL	1.15	BC 0.37	Vert(CT)	-0.09	F-G	>999	240	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.24	Horz(CT)	-0.01	E	n/a	n/a	
BCDL 10.0	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	-0.04	E-F	>999	240	
								Weight: 115 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.2 *Except*	WEBS 1 Row at midpt D-E, C-E
C-F,B-F: 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS. (size) G=0-3-8, E=0-3-8
Max Horz G=323(LC 7)
Max Uplift G=-60(LC 10), E=-141(LC 7)
Max Grav G=754(LC 21), E=741(LC 3)

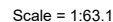
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-469/36, D-E=-273/56, B-G=-689/88
BOT CHORD F-G=-299/136, E-F=-140/347
WEBS C-E=-544/134, B-F=-19/443

- 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) G except (jt=lb) E=141.
 - 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 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 12,2024

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:51 2024 Page 1
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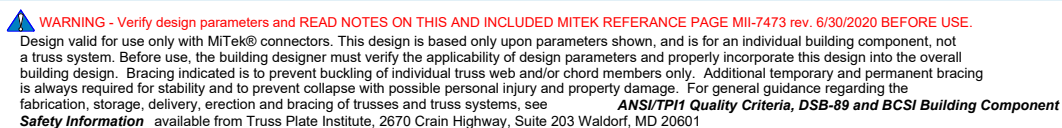


LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SPF No.2 *Except*	WEBS	1 Row at midpt D-E, C-F, C-E
	B-F: 2x3 SPF No.2		
OTHERS	2x4 SPF No.2		
LBR SCAB	A-D 2x4 SPF No.2 one side		

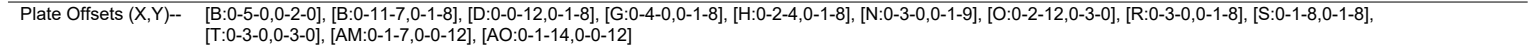
REACTIONS. (size) G=0-5-8, E=0-3-8
 Max Horz G=345(LC 7)
 Max Uplift G=-79(LC 10), E=-175(LC 7)
 Max Grav G=817(LC 17), E=637(LC 3)

TOP CHORD B-C=-356/37, D-E=-261/53, B-G=-774/103
BOT CHORD F-G=-322/137, E-F=-153/251
WEBS C-E=-408/155, B-F=-19/412

- 1) Attached 15-9-9 scab A to D, front face(s) 2x4 SPF No.2 with 1 row(s) of 10d (0.131"x3") nails spaced 9" o.c. except : starting at 2'-5-1 from end at joint A, nail 1 row(s) at 4" o.c. for 2'-0-0; starting at 8'-5-8 from end at joint A, nail 1 row(s) at 7" o.c. for 2'-0-0; starting at 13'-5-14 from end at joint A, nail 1 row(s) at 7" o.c. for 2'-0-0.
- 2) 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
- 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) 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, with BCDL = 10.0psf.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) G except (jt=lb) E=175.
- 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:52 2024 Page 1
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 1-4-8 6-1-12 12-1-14 18-5-6 24-7-3 30-11-8
 1-4-8 6-1-12 6-0-2 6-3-8 6-1-13 6-4-5



LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 3-10-7 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2		
WEBS	2x4 SPF No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 2-10-8 oc bracing.
	D-S,G-S: 2x3 SPF No.2	WEBS	1 Row at midpt I-J, D-T, G-O, H-O, G-R
OTHERS	2x3 SPF No.2		2 Rows at 1/3 pts H-J

REACTIONS. All bearings 12-6-0 except (jt=length) B=0-5-8, T=0-5-8.
(lb) - Max Horz B=695(LC 35)
Max Uplift All uplift 100 lb or less at joint(s) K except J=-2155(LC 35), B=-586(LC 32), T=-1144(LC 40), O=-921(LC 40), R=-2317(LC 40)
Max Grav All reactions 250 lb or less at joint(s) K, L, M, N, P except J=2110(LC 52), B=797(LC 29), T=1707(LC 29), O=1235(LC 29), R=2529(LC 53), R=700(LC 1)

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

TOP CHORD	B-C=-1550/1315, C-D=-1718/1614, D-G=-1364/1148, G-H=-939/899, H-I=-1746/1646, I-J=-309/54
BOT CHORD	B-T=-1524/1369, S-T=-3197/3234, R-S=-3728/3621, P-R=-3669/3594, O-P=-2209/2069, N-O=-3404/3316, M-N=-3160/3072, L-M=-1972/1883, K-L=-755/695, J-K=-1755/1667
WEBS	C-T=-462/160, D-T=-2219/2062, D-S=-634/643, G-S=-591/956, G-O=-2560/2584, H-O=-3058/2973, H-I=-2599/2671, G-R=-2457/2311

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 MT20 plates unless otherwise indicated.
- 7) All plates are 1.5x4 MT20 unless otherwise indicated.
- 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, with BCDL = 10.0psf.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) K except (jt=lb) L=2155 R=586 T=1144 O=921 R=2317




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Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	X1	GABLE	8	1	U1530812
Job Reference (optional)					

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:52 2024 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

- NOTES-**
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) 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 18-5-8 to 30-11-8 for 594.4 plf.
- 14) No notches allowed in overhang and 10408 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.

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:53 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWWzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrcDoi7J4zJC?f

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

10'-7 1/2"

0'-3 1/5"

A B C D E F G H I J K L M Q R S T

1.5x4 ||

4x4 =

4x4 =

4x5 =

3x5 =

4x12

Scale 1"=5'-0"

6-1-12 6-1-12 6-2-12 0-1-0 14-4-3 8-1-7 22-6-9 8-2-7 30-11-8 8-4-15

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 4-4-1 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2		
WEBS	2x4 SPF No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: B-M.
	D-L,F-L,F-J,G-J: 2x3 SPF No.2	WEBS	1 Row at midpt H-I, D-M, G-I

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

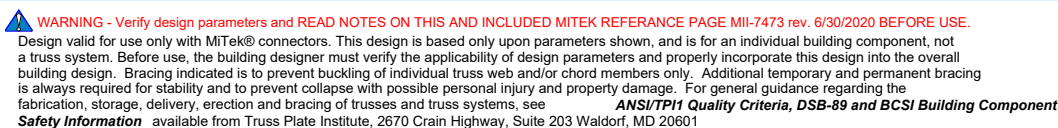
TOP CHORD	D-F=-1555/160, F-G=-1151/138, H-I=-301/52
BOT CHORD	B-M=-285/0, L-M=-188/1346, J-L=-147/1312, I-J=-112/834
WEBS	C-M=-473/153, D-M=-1830/189, F-J=-549/154, G-J=-51/847, G-I=-1360/201

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 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, with BCDL = 10.0psf.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B except (jt=lb) I=169, M=195.
- 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024



Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530896
N0653A	X3	Roof Special	8	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:39 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-g3eRq6TxD3_oVosw1J3zq2t4x9Gj6CjPtIK2_TyeVqc

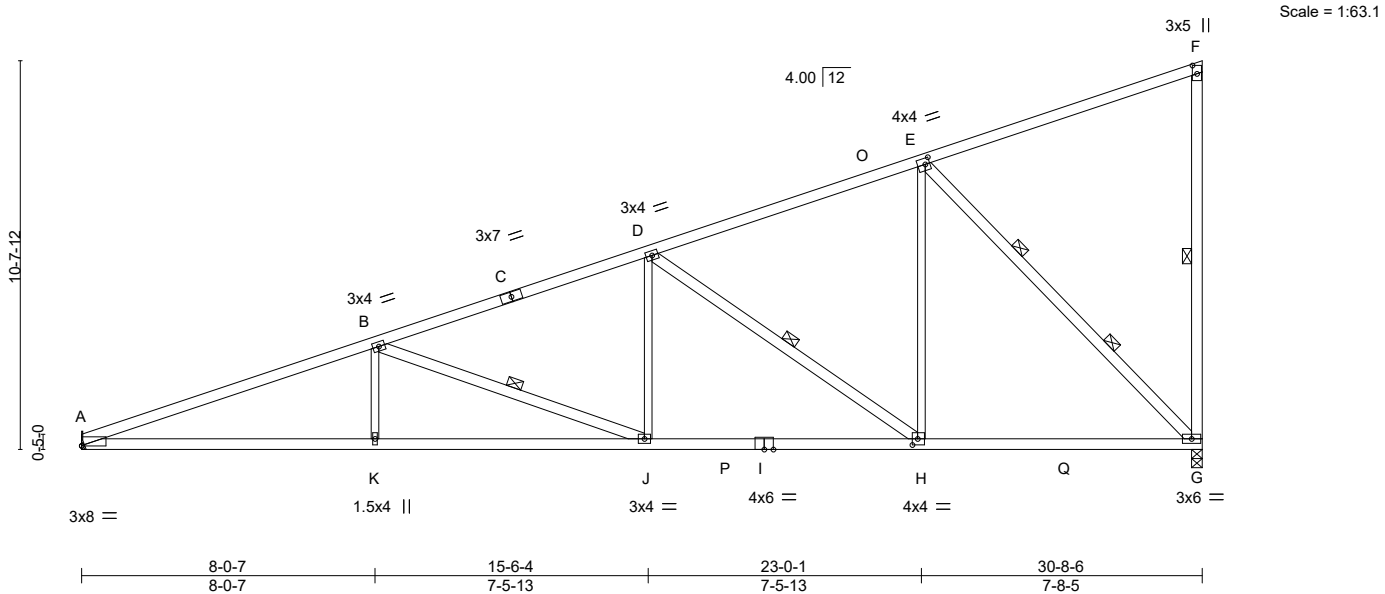


Plate Offsets (X,Y)--	[A:0-0-0,0-0-2], [E:0-1-8,0-2-0], [F:0-2-12,0-1-8], [H:0-1-12,0-2-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP	
TCLL 25.0	Plate Grip DOL	1.15	TC 0.99	Vert(LL)	-0.22	J-K	>999	360	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.92	Vert(CT)	-0.40	J-K	>924	240		
TCDL 12.0	Rep Stress Incr	YES	WB 0.76	Horz(CT)	0.11	G	n/a	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.10	K-N	>999	240		
BCDL 10.0									Weight: 127 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF 2100F 1.8E *Except* A-C: 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SPF 2100F 1.8E *Except* G-I: 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: H-J.
WEBS 2x4 SPF No.2 *Except* B-K,D-J,E-H: 2x3 SPF No.2	WEBS 1 Row at midpt F-G, B-J, D-H 2 Rows at 1/3 pts E-G

REACTIONS. (size) G=0-3-8, A=Mechanical
Max Horz A=338(LC 9)
Max Uplift G=-207(LC 10), A=-156(LC 6)
Max Grav G=1753(LC 3), A=1524(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-3682/372, B-D=-2548/265, D-E=-1444/167, F-G=-367/63
BOT CHORD A-K=-451/3429, J-K=-451/3429, H-J=-273/2347, G-H=-118/1309
WEBS B-K=0/317, B-J=-1155/190, D-J=0/652, D-H=-1291/206, E-H=-48/1084, E-G=-1856/257

- 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 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, with BCDL = 10.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) G=207, A=156.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530814
N0653A	X4	Monopitch	48	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:53 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

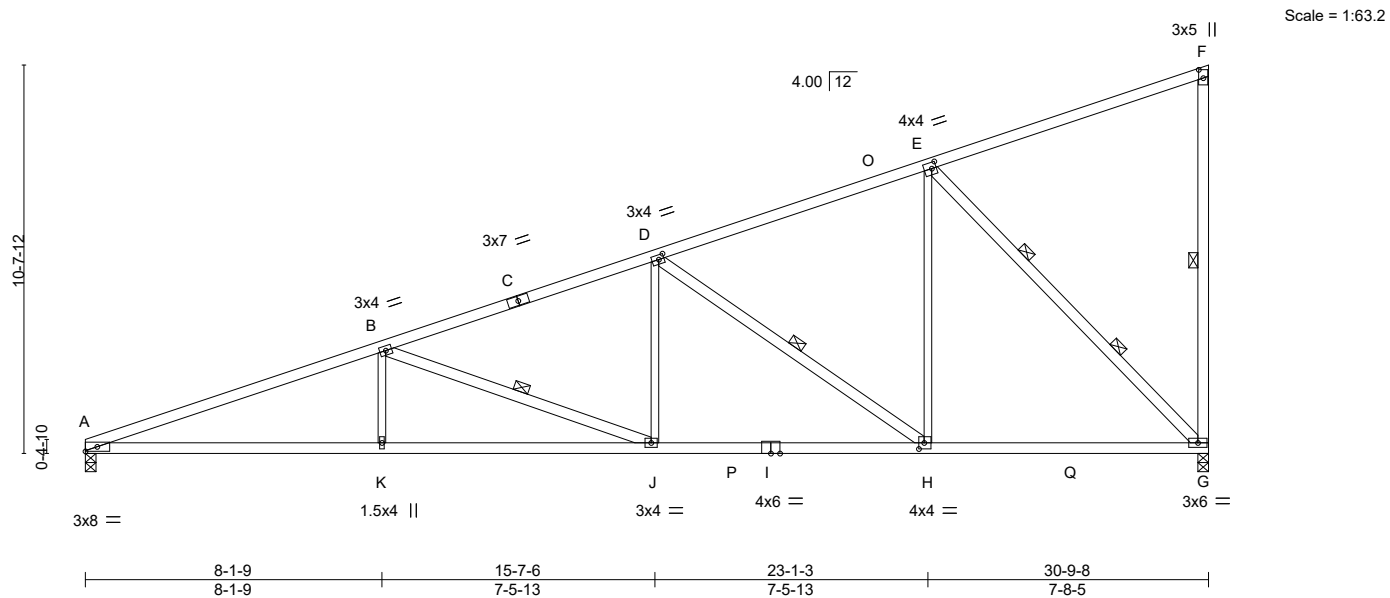


Plate Offsets (X,Y)--		[D:0-1-12,0-1-8], [E:0-1-8,0-2-0], [F:0-2-12,0-1-8], [H:0-1-12,0-2-0]																			
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP			
TCLL 25.0		Plate Grip DOL		1.15		TC 0.72		Vert(LL)		-0.21		J-K		>999		360		MT20		197/144	
(Roof Snow=25.0)		Lumber DOL		1.15		BC 0.93		Vert(CT)		-0.37		J-K		>988		240					
TCDL 12.0		Rep Stress Incr		YES		WB 0.76		Horz(CT)		0.11		G		n/a		n/a					
BCLL 0.0 *		Code IBC2018/TPI2014				Matrix-MS		Wind(LL)		0.10		K-N		>999		240		Weight: 127 lb		FT = 20%	
BCDL 10.0																					

LUMBER-	BRACING-
TOP CHORD 2x4 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 3-4-9 oc purlins, except end verticals.
BOT CHORD 2x4 SPF 2100F 1.8E *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SPF No.2 *Except*	2-2-0 oc bracing: H-J.
B-K,D-J,E-H: 2x3 SPF No.2	WEBS 1 Row at midpt F-G, B-J, D-H
	2 Rows at 1/3 pts E-G

REACTIONS.	(size) G=0-3-8, A=0-3-8
Max Horz	A=338(LC 9)
Max Uplift	G=-208(LC 10), A=-156(LC 6)
Max Grav	G=1759(LC 3), A=1529(LC 3)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	A-B=-3734/377, B-D=-2562/267, D-E=-1449/167, F-G=-367/63
BOT CHORD	A-K=-457/3482, J-K=-457/3482, H-J=-274/2358, G-H=-118/1314
WEBS	B-K=0/325, B-J=-1199/195, D-J=0/664, D-H=-1298/206, E-H=-49/1089, E-G=-1864/258

- 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 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, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) G=208, A=156.
 - 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12, 2024

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530815
N0653A	X5	GABLE	8	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:55 2024 Page 1
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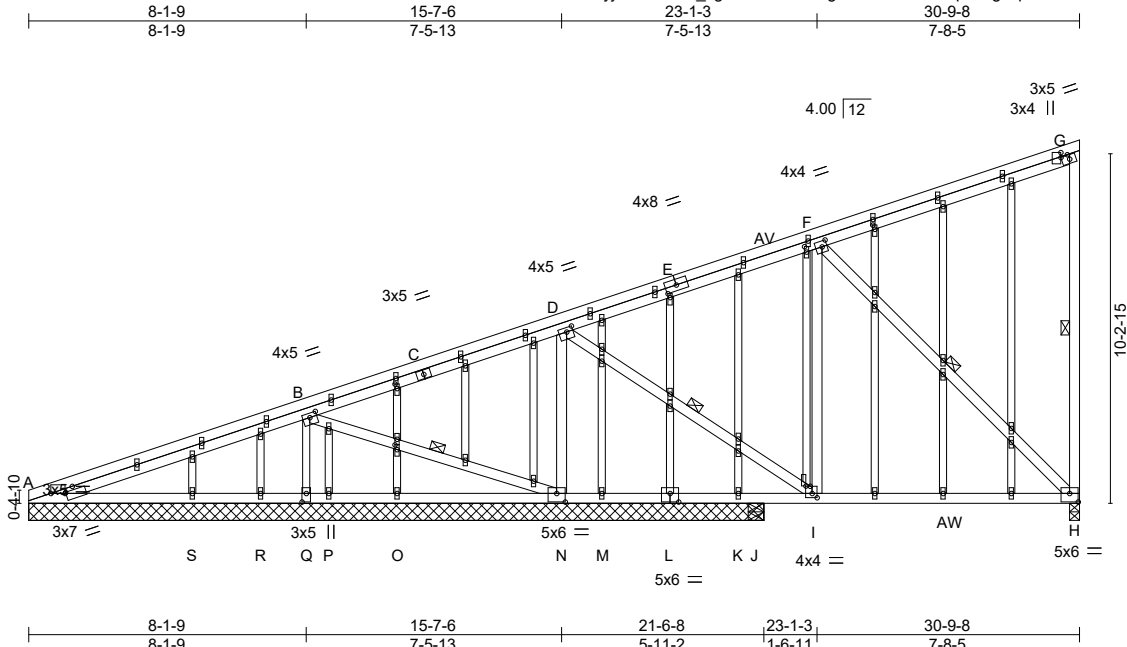


Plate Offsets (X,Y)--	[A:0-5-0,0-1-4], [B:0-2-8,0-1-8], [D:0-2-4,0-1-8], [F:0-1-12,0-2-0], [G:0-0-12,0-2-4], [G:0-2-12,0-1-8], [H:0-3-0,0-3-0], [I:0-0-1,0-1-8], [I:0-1-12,0-1-8], [L:0-3-0,0-3-0], [N:0-3-0,0-3-0], [Q:0-3-0,0-1-8], [Z:0-1-8,0-0-12], [AC:0-1-14,0-0-12], [AF:0-1-6,0-0-12], [AN:0-1-11,0-0-12], [AO:0-1-9,0-0-12], [AT:0-2-8,Edge]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.72	Vert(LL)	-0.13	H-I	>842	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.72	Vert(CT)	-0.23	H-I	>487		
TCDL 12.0	Lumber DOL 1.15	WB 0.94	Horz(CT)	-0.03	H	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Wind(LL)	-0.05	H-I	>999		
BCDL 10.0	Code IBC2018/TPI2014						Weight: 216 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except* C-G,A-C: 2x4 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 3-3-4 oc bracing.
WEBS 2x4 SPF No.2 *Except* B-Q: 2x3 SPF No.2	WEBS 1 Row at midpt G-H, B-N, D-I, F-H
OTHERS 2x3 SPF No.2	

REACTIONS. All bearings 21-6-8 except (jt=length) H=0-3-8, J=0-5-8.
(lb) - Max Horz A=372(LC 38)
Max Uplift All uplift 100 lb or less at joint(s) P, R, S except H=872(LC 40),
A=1004(LC 31), Q=1526(LC 39), N=981(LC 31), J=318(LC 18)
Max Grav All reactions 250 lb or less at joint(s) M, O, P, R, J except H=1507(LC 27), A=1129(LC 50), Q=1622(LC 28), N=1677(LC 28), K=291(LC 18), S=268(LC 29), A=302(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-3240/2962, B-D=-3490/3268, D-F=-3315/3036, F-G=-2063/1943, G-H=-365/63
BOT CHORD A-S=-2591/2512, R-S=-1485/1406, Q-R=-799/720, P-Q=-376/286, O-P=-759/682,
N-O=-2414/2337, M-N=-789/675, K-M=-2202/2088, J-K=-2370/2267, I-J=-2380/2267,
H-I=-853/1112
WEBS B-Q=-1589/1590, B-N=-2137/2135, D-N=-2036/1680, D-I=-1800/2008, F-I=-992/1119,
F-H=-1543/1208

- 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) 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) P, R, S except (jt=lb) H=872, A=1004, Q=1526, N=981, J=318, A=1004.



September 12, 2024

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	X5	GABLE	8	1	U1530815

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:55 2024 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWwCDoi7J4zJC?f

- NOTES-**
- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 11) 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 21-6-8 for 343.1 plf.
 - 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.

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530816
N0653A	Y1	GABLE	12	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:57 2024 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgC-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



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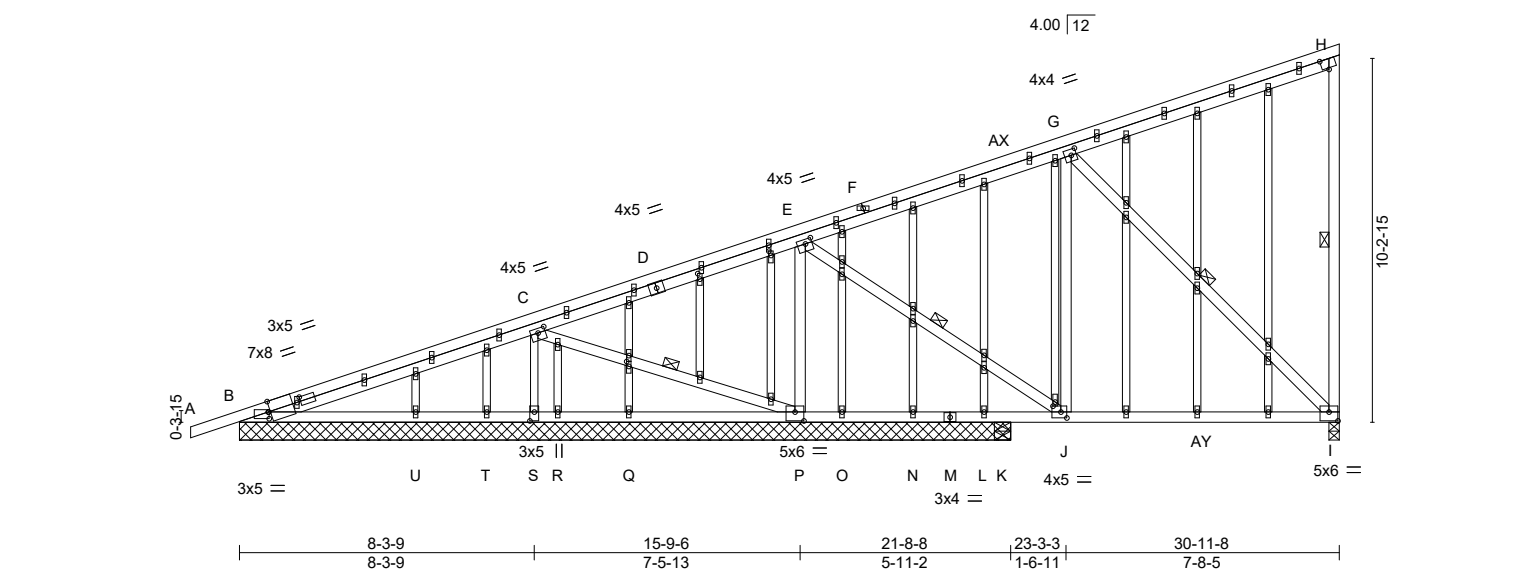


Plate Offsets (X,Y)--	[B:0-0-11,Edge], [B:0-11-7,0-1-8], [B:0-0-4,0-2-4], [C:0-2-8,0-1-8], [E:0-2-4,0-1-8], [G:0-1-12,0-2-0], [H:0-2-3,Edge], [I:0-3-0,0-3-0], [J:0-2-0,0-2-0], [J:0-1-6,0-0-12], [P:0-3-0,0-3-0], [S:0-3-0,0-1-8], [AM:0-1-7,0-0-12], [AO:0-1-14,0-0-12], [AP:0-1-11,0-0-12]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.98	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.72	Vert(LL) -0.13 I-J >841 360		
TCDL 12.0	Lumber DOL 1.15	WB 0.98	Vert(CT) -0.23 I-J >487 240		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) -0.03 I n/a n/a		
BCDL 10.0	Code IBC2018/TPI2014		Wind(LL) -0.05 I-J >999 240	Weight: 218 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except*	TOP CHORD Structural wood sheathing directly applied, except end verticals.
D-H,A-F: 2x4 SPF 2100F 1.8E	BOT CHORD Rigid ceiling directly applied or 3-6-4 oc bracing.
BOT CHORD 2x4 SPF No.2	WEBS 1 Row at midpt H-I, C-P, E-J, G-I
WEBS 2x4 SPF No.2 *Except*	
C-S: 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS.	All bearings 21-8-8 except (jt=length) I=0-3-8, K=0-5-8.
(lb) - Max Horz B=805(LC 35)	
Max Uplift All uplift 100 lb or less at joint(s) L, O, R, U except I=905(LC 41), B=1107(LC 32), S=1564(LC 40), P=1031(LC 32), T=119(LC 1), K=218(LC 19)	
Max Grav All reactions 250 lb or less at joint(s) L, N, Q, R, T, K except I=1537(LC 28), B=1202(LC 29), S=1662(LC 29), P=1764(LC 29), U=355(LC 26), B=492(LC 1)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-3338/3068, C-E=-3380/3168, E-G=-3278/3005, G-H=-2062/1943, H-I=-369/63	
BOT CHORD B-U=-2446/2358, T-U=-1359/1255, S-T=-658/570, R-S=-253/165, Q-R=-920/818, P-Q=-2571/2469, O-P=-936/815, N-O=-1621/1499, L-N=-2306/2184, K-L=-2475/2362, J-K=-2484/2362, I-J=-887/1139	
WEBS C-S=-1590/1578, C-P=-2166/2183, E-P=-2102/1747, E-J=-1871/2083, G-J=-1034/1156, G-I=-1582/1255	

- 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 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) L, O, R, U except I=905(LC 41), B=1107(LC 32), S=1564, P=1031, T=119, K=218, B=1107.



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Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	Y1	GABLE	12	1	U1530816

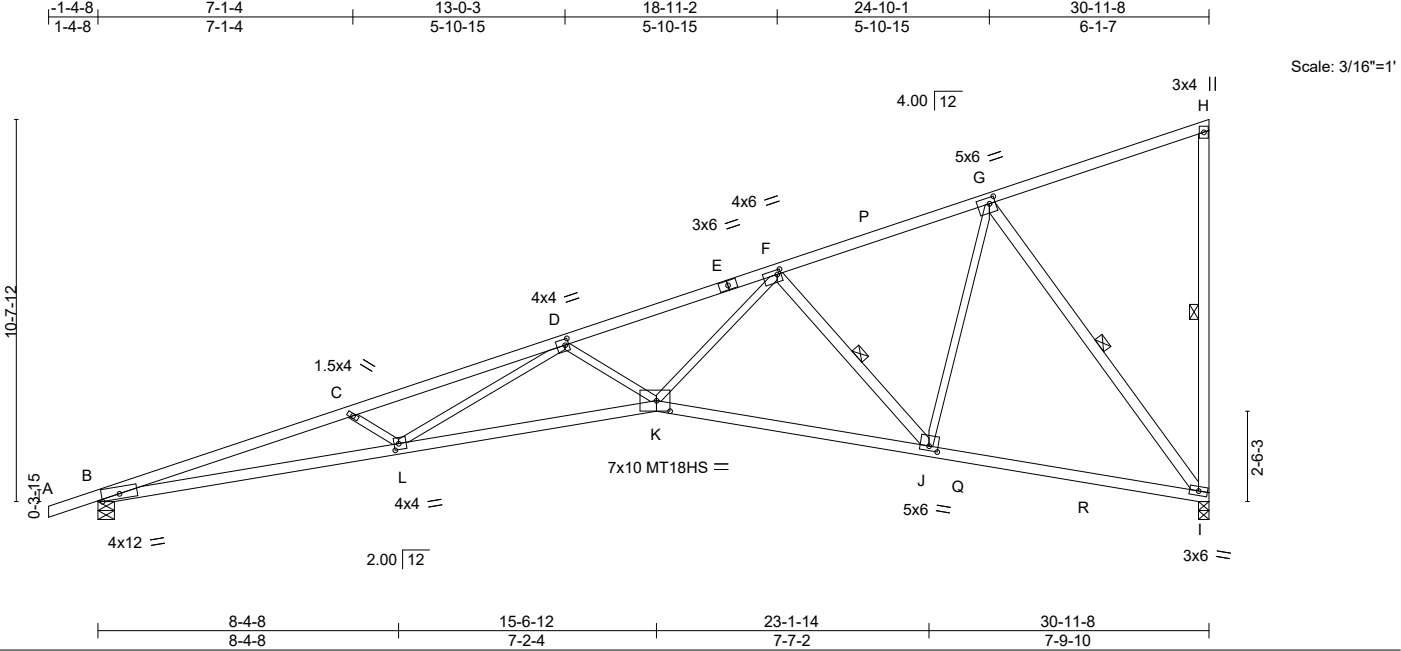
Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:57 2024 Page 2
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- NOTES-**
- 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 21-8-8 for 342.3 plf.
 - 13) No notches allowed in overhang and 10408 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.

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530898
N0653A	Y2A	Monopitch	66	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:40 2024 Page 1
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LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	-0.64 K-L >578 360	MT20		197/144	
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.87	Vert(CT)	-1.14 K-L >323 240	MT18HS		197/144	
TCDL	12.0	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.47 I n/a n/a				
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.33 K-L >999 240				
BCDL	10.0							Weight: 123 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2 *Except* A-E: 2x4 SPF 2100F 1.8E	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	2x4 SPF 2100F 1.8E	BOT CHORD	Rigid ceiling directly applied or 8-3-2 oc bracing.
WEBS	2x3 SPF No.2 *Except* H-I,F-J,G-I: 2x4 SPF No.2	WEBS	1 Row at midpt H-I, F-J, G-I

REACTIONS. (size) I=0-3-8, B=0-5-8
Max Horz B=347(LC 9)
Max Uplift I=209(LC 10), B=202(LC 6)
Max Grav I=1774(LC 3), B=1624(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-6947/816, C-D=-6607/733, D-F=-4823/535, F-G=-1666/190, H-I=-287/49
BOT CHORD B-L=-901/6640, K-L=-685/5302, J-K=-314/2762, I-J=-132/1215
WEBS C-L=-456/167, D-L=-93/1238, D-K=-901/211, F-K=-294/2743, F-J=-1862/308, G-J=-125/1553, G-I=-1987/261

- 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, with BCDL = 10.0psf.
 - 8) Bearing at joint(s) I, B considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=Ib) I=209, B=202.
 - 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

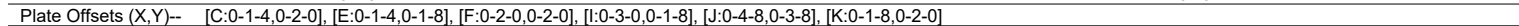


September 12,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



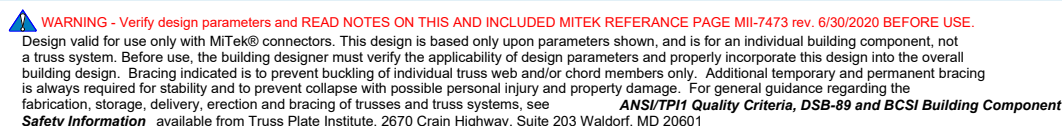
Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:41 2024 Page 1
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 7-1-4 13-0-3 18-11-2 24-10-1 30-11-8
 7-1-4 5-10-15 5-10-15 5-10-15 6-1-7



LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2 *Except* A-D: 2x4 SPF 2100F 1.8E	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	2x4 SPF 2100F 1.8E	BOT CHORD	Rigid ceiling directly applied or 8-2-7 oc bracing.
WEBS	2x3 SPF No.2 *Except* G-H,E-I,F-H: 2x4 SPF No.2	WEBS	1 Row at midpt G-H, E-I, F-H

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=6974/830, B-C=6628/745, C-E=4815/539, E-F=-1658/191, G-H=-285/49
 BOT CHORD A-K=-914/6667, J-K=-689/5299, I-J=-316/2753, H-I=-132/1208
 WEBS B-K=-466/170, C-K=-102/1264, C-J=-908/213, E-J=-297/2744, E-I=-1858/309,
 F-I=-126/1550, F-H=-1973/262

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TC DL=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) TLL: 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=1.0; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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) Bearing at joint(s) H, A 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) except (jt=lb) H=209, A=157.
- 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530817
N0653A	Y4	Monopitch	30	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:58 2024 Page 1
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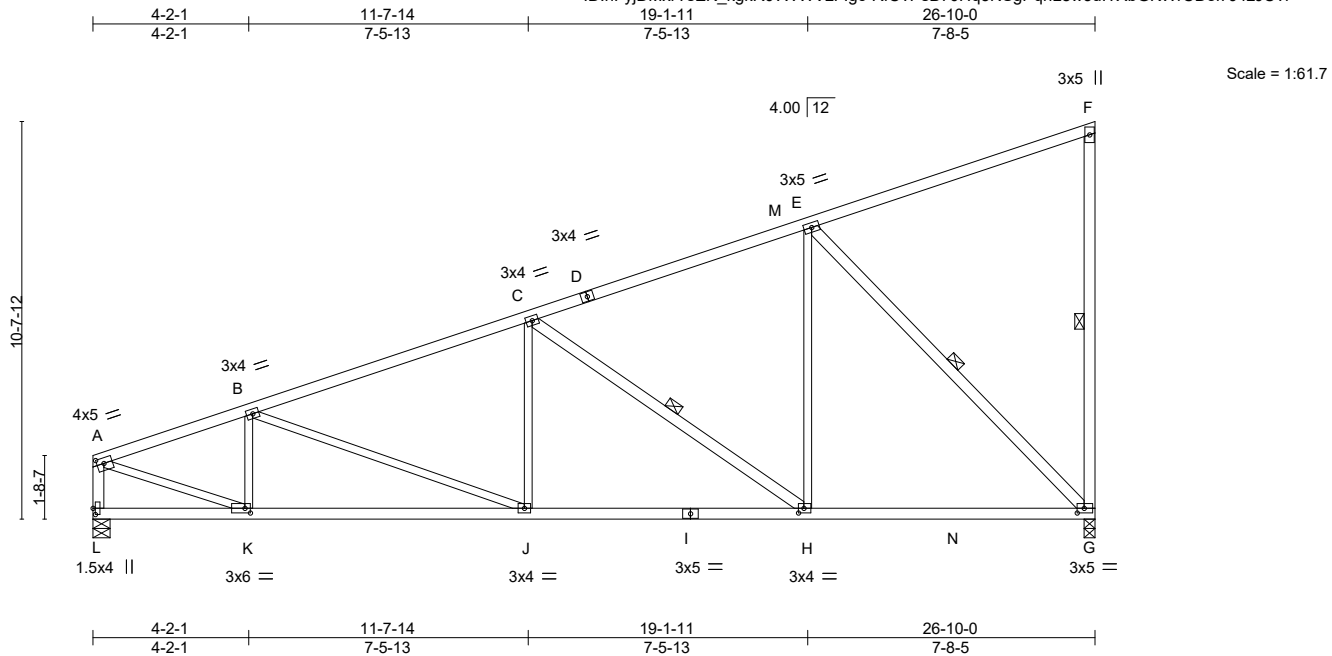


Plate Offsets (X,Y)--	[A:0-2-4,0-1-12], [G:0-2-4,0-1-8], [H:0-1-12,0-1-8], [K:0-1-12,0-1-8], [L:0-2-0,0-0-12]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.70	Vert(LL)	-0.16	G-H	>999	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.79	Vert(CT)	-0.26	G-H	>999		
TCDL 12.0	Lumber DOL 1.15	WB 0.83	Horz(CT)	0.06	G	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Wind(LL)	0.05	G-H	>999		
BCDL 10.0	Code IBC2018/TPI2014						Weight: 120 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF 2100F 1.8E *Except* A-D: 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-7 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x3 SPF No.2 *Except* F-G,C-H,E-G,A-L: 2x4 SPF No.2	WEBS 1 Row at midpt F-G, C-H, E-G

REACTIONS. (size) G=0-3-8, L=0-5-8
Max Horz L=333(LC 7)
Max Uplift G=-186(LC 10), L=-130(LC 6)
Max Grav G=1520(LC 3), L=1328(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-1868/185, B-C=-1925/200, C-E=-1212/145, F-G=-358/63, A-L=-1278/140
BOT CHORD K-L=-318/42, J-K=-270/1749, H-J=-214/1759, G-H=-122/1089
WEBS B-K=-487/125, C-J=0/306, C-H=-851/158, E-H=-20/828, E-G=-1540/227, A-K=-173/1821

- 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) TCDL: 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 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, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) G=186, L=130.
 - 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



September 12,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530900
N0653A	Y5	GABLE	6	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:42 2024 Page 1
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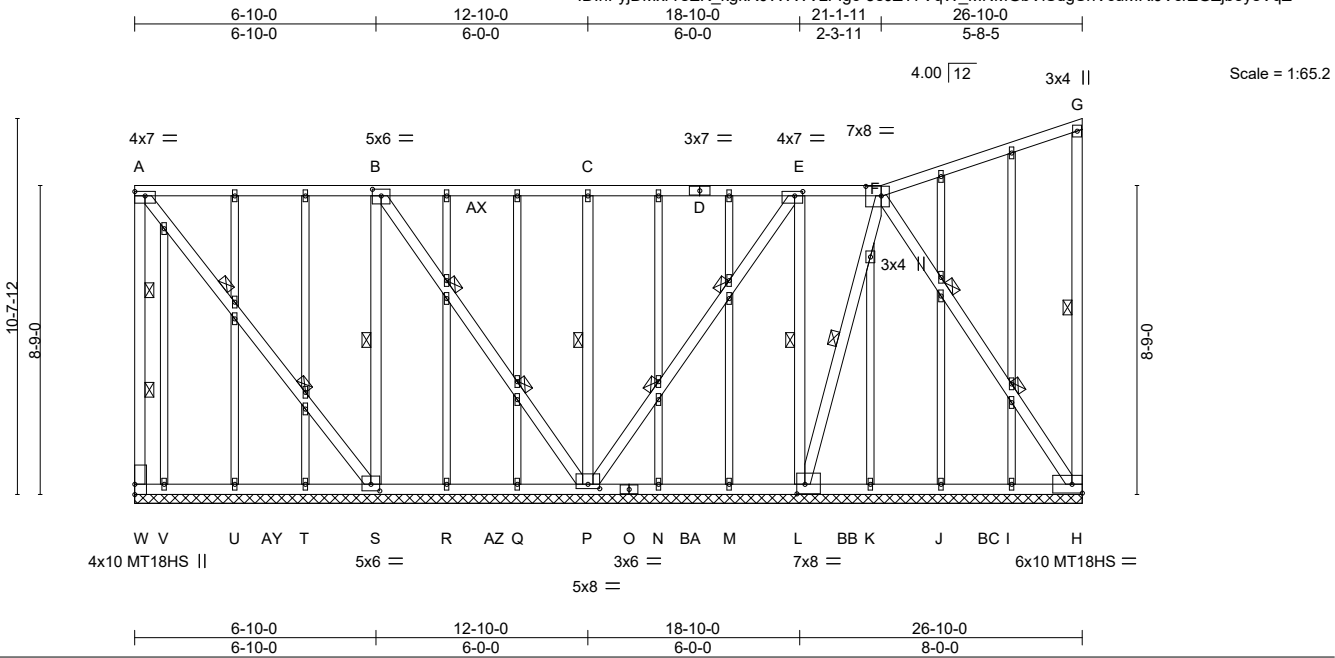


Plate Offsets (X,Y)-- [A:Edge,0-1-8], [B:0-3-0,0-2-4], [E:0-2-12,0-1-8], [F:0-5-4,0-3-4], [L:0-2-12,0-3-4], [P:0-4-0,0-1-8], [S:0-3-0,0-2-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.88	Vert(LL)	n/a	-	n/a	MT20	197/144
TCDL 12.0	Plate Grip DOL 1.15	BC 0.33	Vert(CT)	n/a	-	n/a	MT18HS	197/144
BCLL 0.0 *	Lumber DOL 1.15	WB 1.00	Horz(CT)	-0.02	H	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S						
	Code IBC2018/TPI2014						Weight: 231 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-7-8 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 4-6-12 oc bracing.
WEBS 2x4 SPF No.2	WEBS 1 Row at midpt G-H, B-S, C-P, E-L, F-L
OTHERS 2x3 SPF No.2	2 Rows at 1/3 pts A-W, A-S, B-P, E-P, F-H

REACTIONS. All bearings 26-10-0.
(lb) - Max Horz W=173(LC 34)
Max Uplift All uplift 100 lb or less at joint(s) except W=-2139(LC 36), H=-2305(LC 41), S=-150(LC 41), P=-226(LC 41), L=-891(LC 40), V=-119(LC 35)
Max Grav All reactions 250 lb or less at joint(s) I, J, K, M, N, Q, R, T, U, V except W=2097(LC 35), H=2315(LC 52), S=650(LC 64), P=1112(LC 64), L=1083(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-W=-2014/2015, A-B=-1598/1568, B-C=-1350/1315, C-E=-1662/1627, E-F=-876/827, F-G=-1443/1387, G-H=-292/69
BOT CHORD V-W=-265/207, U-V=-745/687, T-U=-1225/1167, S-T=-1705/1647, R-S=-605/557, Q-R=-1085/1037, P-Q=-1565/1517, N-P=-1184/1160, M-N=-704/680, L-M=-307/283, K-L=-460/452, J-K=-552/543, I-J=-1032/1023, H-I=-1474/1468
WEBS A-S=-2532/2548, B-S=-2022/2020, B-P=-2379/2377, C-P=-657/135, E-P=-2325/2308, E-L=-1883/1887, F-L=-2787/2764, F-H=-2671/2688

- 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 exposed; end vertical left 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) TCDL: 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) Provide adequate drainage to prevent water ponding.
 - 6) All plates are MT20 plates unless otherwise indicated.
 - 7) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 8) Gable requires continuous bottom chord bearing.
 - 9) Gable studs spaced at 2-0-0 oc.
 - 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2139 lb uplift at joint W, 2305 lb uplift at joint H, 150 lb uplift at joint S, 226 lb uplift at joint P, 891 lb uplift at joint L and 119 lb uplift at joint V.
 - 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI



September 12,2024

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530900
N0653A	Y5	GABLE	6	1	Job Reference (optional)	

Alliance Truss (CA),
Abbotsford, BC - V2S 7P6,
8.820 s Aug 30 2024 MiTek Industries, Inc.
Thu Sep 12 02:48:42 2024
Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzF1gc-5eJZT7VqW_MNMGbViSdgShVcuMRiJVcrZGZjboyeVqZ

NOTES-

14) 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 26-10-0 for 240.0 plf.

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530818
N0653A	Y6	GABLE	6	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:59 2024 Page 1
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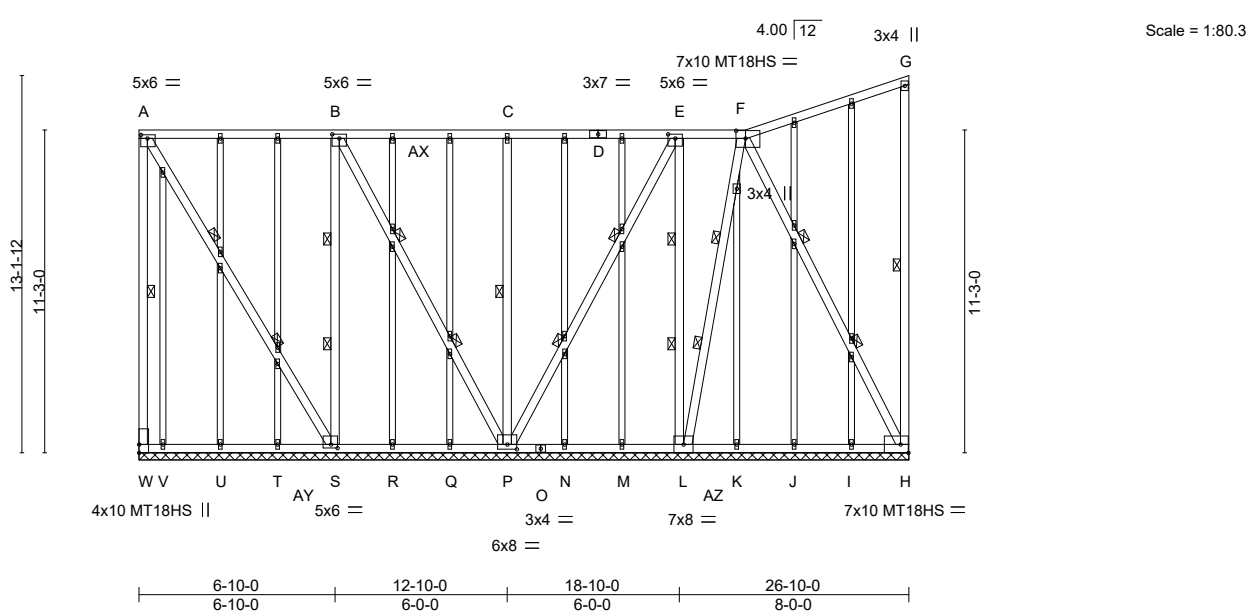


Plate Offsets (X,Y)--	[A:0-2-12,0-1-8], [B:0-3-0,0-1-12], [E:0-3-0,0-1-12], [F:0-4-0,0-3-4], [H:0-3-4,Edge], [P:0-4-0,0-2-0], [S:0-2-12,0-1-8]
-----------------------	--

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.96	Vert(LL)	n/a	-	n/a	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.32	Vert(CT)	n/a	-	n/a	MT18HS	197/144
BCLL 0.0 *	Rep Stress Incr YES	WB 1.00	Horz(CT)	-0.02	H	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-S					Weight: 278 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-7-8 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 4-7-8 oc bracing.
WEBS 2x4 SPF 2100F 1.8E *Except* G-H,B-S,C-P,E-L: 2x4 SPF No.2	WEBS 1 Row at midpt A-W, G-H, C-P 2 Rows at 1/3 pts A-S, B-S, B-P, E-P, E-L, F-L, F-H
OTHERS 2x3 SPF No.2	

REACTIONS. All bearings 26-10-0.
(lb) - Max Horz W=56(LC 32)
Max Uplift All uplift 100 lb or less at joint(s) V except W=-2743(LC 32), H=-3094(LC 33), S=-471(LC 33),
P=-231(LC 32), L=-1185(LC 32)
Max Grav All reactions 250 lb or less at joint(s) I, J, K, M, N, Q, R, T, U, V except W=2772(LC 53),
H=3090(LC 52), S=664(LC 28), P=1272(LC 64), L=1269(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-W=-2737/2708, A-B=-1642/1624, B-C=-1333/1313, C-E=-1652/1632, E-F=-875/850,
F-G=-1442/1386, G-H=-291/71
BOT CHORD U-V=-700/645, T-U=-1180/1125, S-T=-1660/1605, R-S=-495/454, Q-R=-975/934,
P-Q=-1455/1414, N-P=-1133/1114, M-N=-653/634, L-M=-382/362, K-L=-361/349,
J-K=-613/601, I-J=-1093/1081, H-I=-1538/1526
WEBS A-S=-3132/3159, B-S=-2398/2372, B-P=-2680/2691, C-P=-657/141, E-P=-2718/2684,
E-L=-2322/2339, F-L=-3521/3482, F-H=-3374/3401

- 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; 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) Provide adequate drainage to prevent water ponding.
 - 6) All plates are MT20 plates unless otherwise indicated.
 - 7) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 8) Gable requires continuous bottom chord bearing.
 - 9) Gable studs spaced at 2-0-0 oc.
 - 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) V except (jt=lb) W=2743, H=3094, S=471, P=231, L=1185.
 - 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI



September 12, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.

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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	Y6	GABLE	6	1	U1530818
Job Reference (optional)					

Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:48:00 2024 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-
14) 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 26-10-0 for 240.0 plf.

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	U1530819
N0653A	Y7	MONOPITCH	36	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:48:00 2024 Page 1
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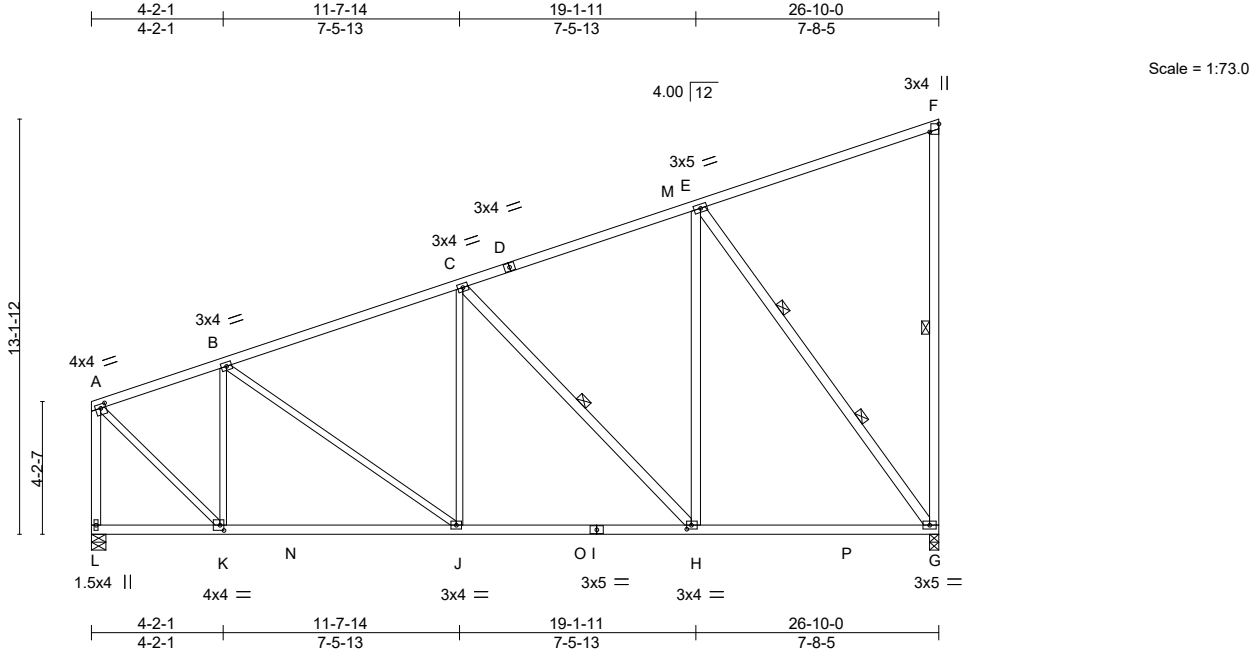


Plate Offsets (X,Y)-- [A:0-2-0,0-1-8], [F:Edge,0-3-8], [H:0-1-12,0-1-8], [K:0-1-8,0-2-0]						
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	L/d
TCLL 25.0	Plate Grip DOL	1.15	TC 0.71	Vert(LL)	-0.16 G-H	>999 360
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.72	Vert(CT)	-0.27 G-H	>999 240
TCDL 12.0	Rep Stress Incr	YES	WB 0.79	Horz(CT)	0.04 G	n/a n/a
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.03 J	>999 240
BCDL 10.0						
			Weight: 141 lb		FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SPF 2100F 1.8E *Except* A-D: 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2 *Except* B-K,B-J,C-J,A-K: 2x3 SPF No.2	WEBS 1 Row at midpt F-G, C-H 2 Rows at 1/3 pts E-G

REACTIONS. (size) G=0-3-8, L=0-5-8
Max Horz L=246(LC 7)
Max Uplift G=238(LC 10), L=76(LC 6)
Max Grav G=1567(LC 3), L=1384(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-1040/50, B-C=-1393/71, C-E=-967/37, F-G=-357/78, A-L=-1343/85
BOT CHORD J-K=-297/973, H-J=-248/1254, G-H=-141/856
WEBS B-K=-758/118, B-J=0/344, C-H=-610/155, E-H=-28/801, E-G=-1426/237, A-K=-71/1355

- 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 exposed; end vertical left 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 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, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) L except (jt=lb) G=238.
 - 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

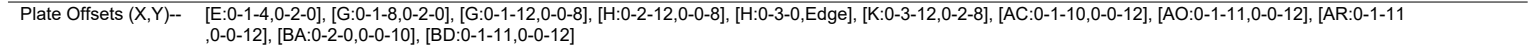


September 12,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:44 2024 Page 1
 ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-10RKtpW42cc5caluqtf8X6b_5A0BnRs80a2pfhyVqX
 6-3-13 12-5-2 18-6-6 24-7-11 30-11-8
 6-3-13 6-1-5 6-1-5 6-1-5 6-3-13




LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 3-1-13 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2		
WEBS	2x3 SPF No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 9-2-11 oc bracing.
	H-I: 2x6 SPF No.2, E-J,G-I,A-M,B-M: 2x4 SPF No.2	WEBS	1 Row at midpt H-I, E-J, B-M
OTHERS	2x3 SPF No.2		2 Rows at 1/3 pts G-I

REACTIONS. (size) I=0-3-8, M=0-5-8
 Max Horz M=401(LC 7)
 Max Uplift I=-217(LC 10), M=-148(LC 6)
 Max Grav I=1748(LC 16), M=1492(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2627/313, C-E=-2603/310, E-G=-1041/143, H-I=-301/54
BOT CHORD L-M=-399/2270, K-L=-358/2655, J-K=-252/1877, I-J=-137/946
WEBS B-L=0/380, C-L=-282/38, C-K=-347/139, E-K=-133/1270, E-J=-1429/259, G-J=-91/1116,
G-I=-1800/238, B-M=-2668/301

NOTES-

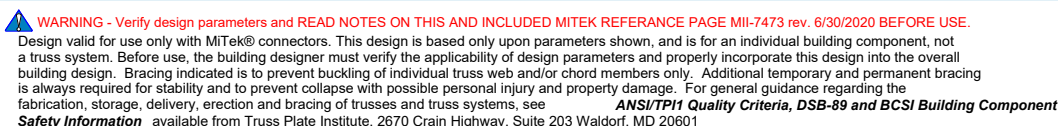
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- 2) Truss designed for wind 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) 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) I, M consider 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 217 lb uplift at joint I and 148 lb uplift at joint M.
- 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 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 12, 2024

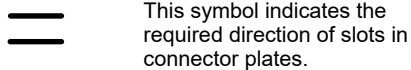
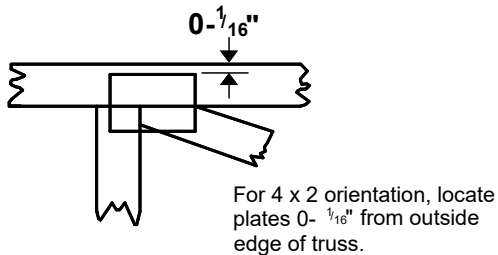
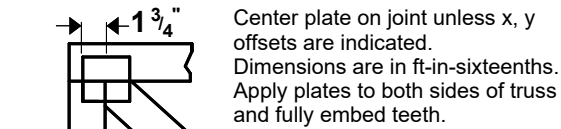


September 12, 2024



Symbols

PLATE LOCATION AND ORIENTATION



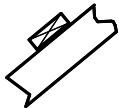
* Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 x 4

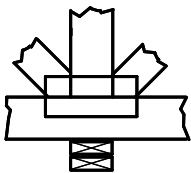
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

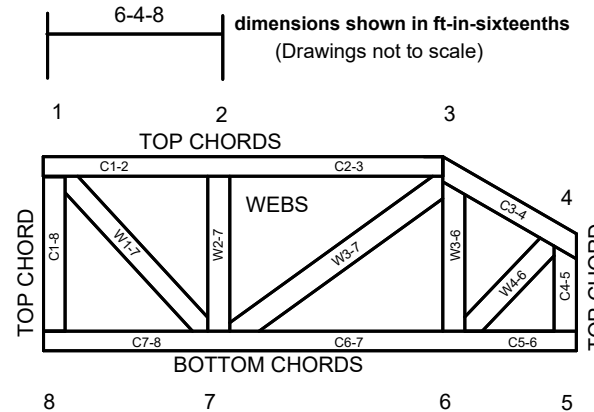


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

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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.