BRADLEY HEIGHTS SS LLC

BRADLEY HEIGHTS APARTMENTS

BUILDINGS ‘A’ Through ‘H’

202 27th Avenue SE

Puyallup, WA

SUBMITTAL #2 **Date: Sept. 16, 2024**

Alliance Job # N0653 Representative: Craig Westerberg

PRMU20240283 BLDG D

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.

PRMU20240283 BLDG D

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.

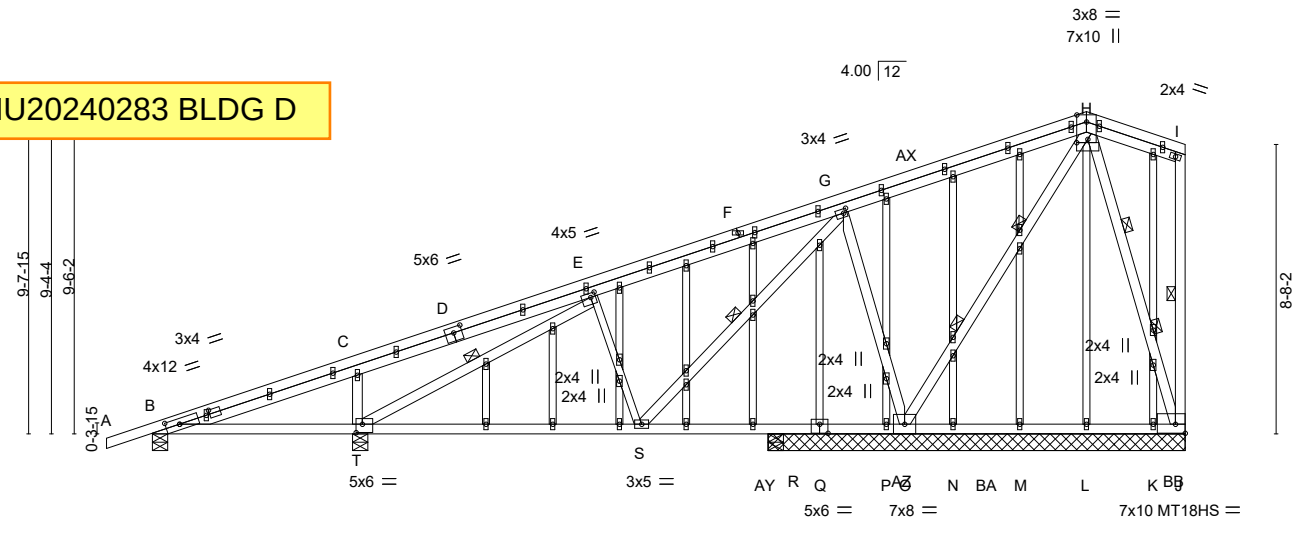
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A1	GABLE	7	1	U1530772
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:22 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-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

PRMU20240283 BLDG D



6-1-12 | 6-2-12 | 14-6-11 | 18-11-0 | 22-6-9 | 30-11-8
6-1-12 | 0-1-0 | 8-3-15 | 4-4-5 | 3-7-9 | 8-4-15

Plate Offsets (X,Y)-- [B:0-5-0,0-2-0], [B:0-11-7,0-1-8], [D:0-3-0,0-2-0], [E:0-1-12,0-1-8], [G:0-1-4,0-1-8], [H:0-4-0,0-1-3], [J:Edge,0-3-4], [Q:0-3-0,0-3-4], [T:0-2-4,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	-0.14	S-T	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.24	S-T	>616	240	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.92	Horz(CT)	-0.14	K	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.10	S-T	>999	240	Weight: 224 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
E-S: 2x3 SPF No.2, H-O: 2x4 SPF 2100F 1.8E
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 1-4-12 oc bracing.
WEBS 1 Row at midpt E-T, G-S, I-J
2 Rows at 1/3 pts H-O, H-J

REACTIONS. All bearings 12-6-0 except (jt=length) B=0-5-8, T=0-5-8, R=0-5-8.
(lb) - Max Horz B=767(LC 35)
Max Uplift All uplift 100 lb or less at joint(s) P, K, R except B=-683(LC 32), T=-1390(LC 40), O=-3168(LC 32), J=-2861(LC 39)
Max Grav All reactions 250 lb or less at joint(s) L, M, N, P, K, R except B=862(LC 27), T=1967(LC 29), O=3358(LC 53), J=2755(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1871/1661, C-E=-1589/1525, E-G=-1305/1048, G-H=-2223/2315, H-I=-744/785
BOT CHORD B-T=-1672/1563, S-T=-3848/3965, R-S=-4478/4400, P-R=-4445/4400, O-P=-2509/2431, N-O=-4102/4141, M-N=-3325/3278, L-M=-2136/2089, K-L=-948/900, J-K=-950/903
WEBS C-T=-510/168, E-T=-2789/2606, E-S=-694/690, G-S=-798/1220, G-O=-1104/584, H-O=-3890/3747, H-J=-2804/2891

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) P, K, R except (jt=lb) B=683, T=1390, O=3168, J=2861.
12) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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) PRMU20240283 BLDG D ft end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at For edge-wise notching, provide at least one tie plate between each notch.

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

PRMU20240283 BLDG D

Scale = 1:60.7

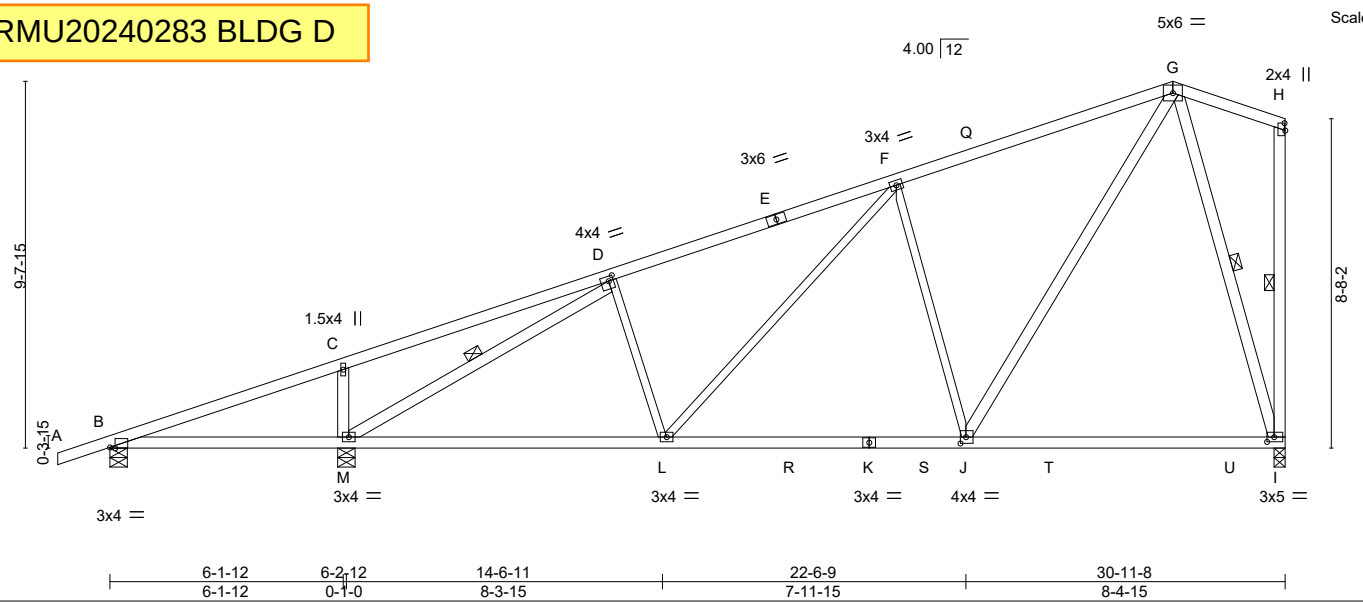


Plate Offsets (X,Y)-- [B:0-1-10,Edge], [D:0-1-8,0-1-8], [H:0-2-5,0-0-4], [I:0-2-4,0-1-8], [J:0-1-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.23	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	Weight: 134 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: B-M.
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) 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) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

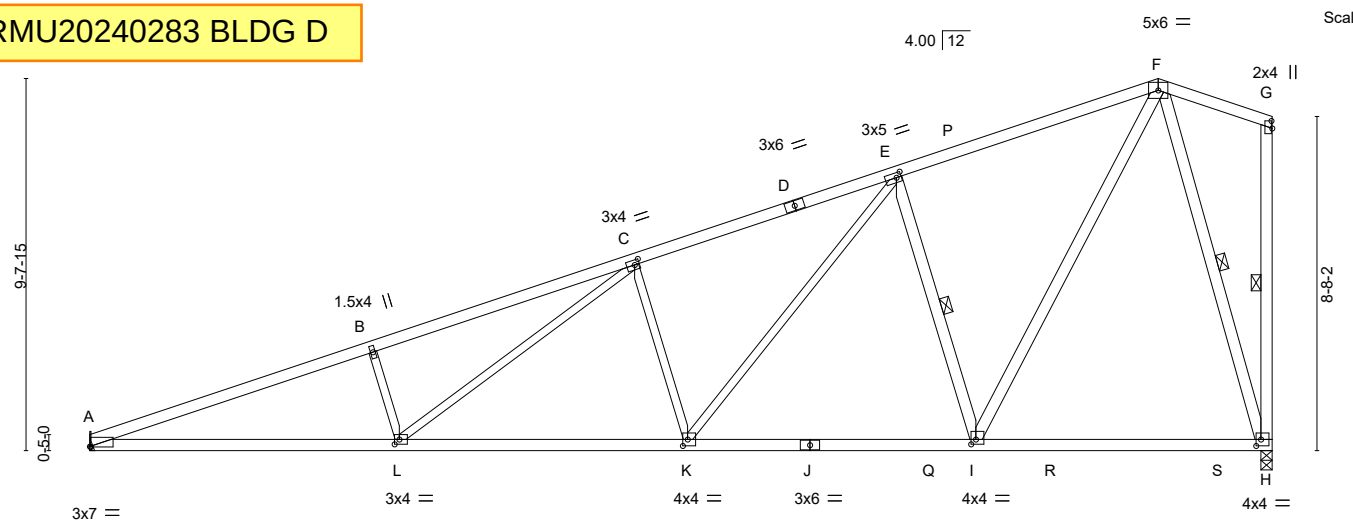
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A3	Common	5	1	U1530820
					Job Reference (optional)

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

7-4-3	14-1-12	20-11-5	27-8-14	30-8-6
7-4-3	6-9-9	6-9-9	6-9-9	2-11-8

PRMU20240283 BLDG D

Scale = 1:59.8



8-0-7	15-6-4	23-0-1	30-8-6
8-0-7	7-5-13	7-5-13	7-8-5

Plate Offsets (X,Y)-- [A:0-0-4,0-0-2], [C:0-1-8,0-1-8], [E:0-1-8,0-1-8], [G:0-2-5,0-0-4], [H:0-1-8,0-2-0], [I:0-1-8,0-1-8], [K:0-1-8,0-2-0], [L:0-1-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.76	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-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
A-J: 2x4 SPF 2100F 1.8E
WEBS 2x4 SPF No.2 *Except*
B-L,C-L,C-K,E-K: 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 10-0-0 oc bracing.
WEBS 1 Row at midpt E-I, G-H, F-H

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-
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) A=160, H=174.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:58 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-NAfxE5zDtTpc5VE27CqLgPh7fdIP?eJMRQvO2MyeVrF

PRMU20240283 BLDG D

Scale = 1:60.0

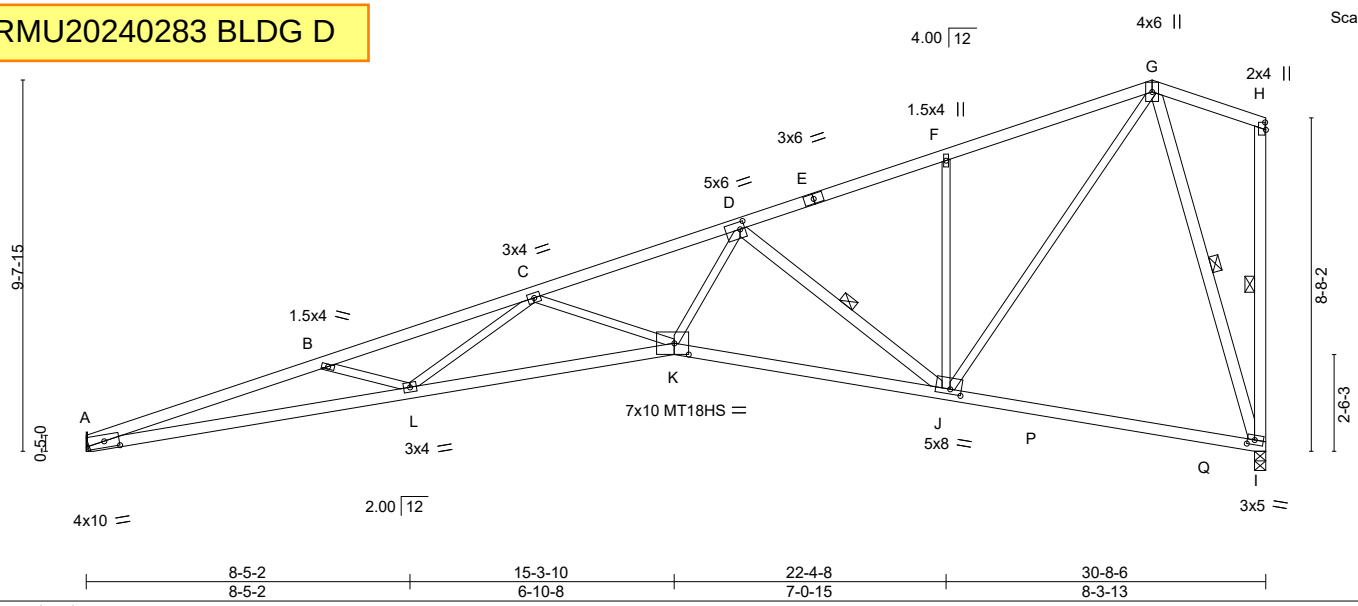


Plate Offsets (X,Y)-- [A:0-4-11,0-2-0], [D:0-1-8,0-2-4], [H:0-2-5,0-0-4], [I:0-2-4,0-1-8], [J:0-3-8,0-1-8], [K:0-4-8,0-3-8]

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

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-3-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-13 oc bracing.
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-I=-1485/166

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) 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 1.

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:58 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-NAfxE5zDtTpc5VE27CqLgPh5idJ_?gFMRQvO2MyeVrF

PRMU20240283 BLDG D

Scale = 1:59.9

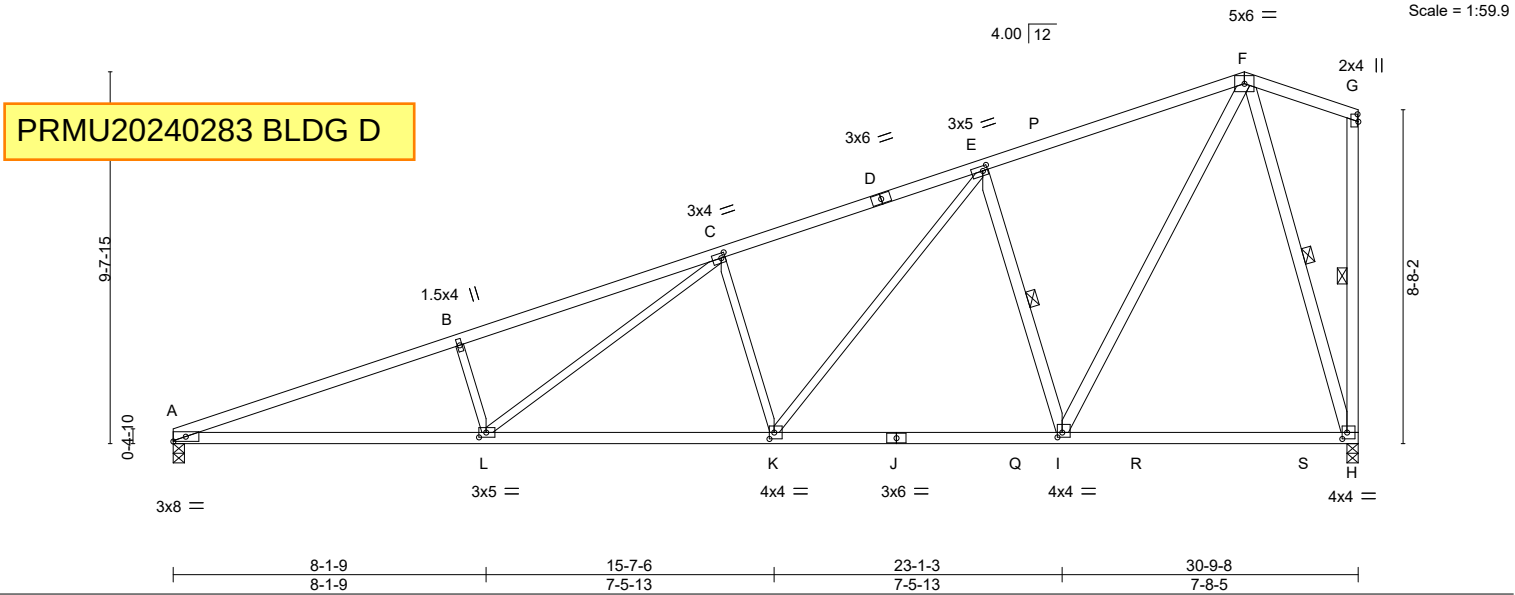


Plate Offsets (X,Y)-- [C:0-1-4,0-1-8], [E:0-1-8,0-1-8], [G:0-2-5,0-0-4], [H:0-1-8,0-2-0], [I:0-1-8,0-1-8], [K:0-1-8,0-2-0], [L:0-2-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.23	K-L	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.42	K-L	>873	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	L	>999	240	Weight: 131 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
A-J: 2x4 SPF 2100F 1.8E
WEBS 2x4 SPF No.2 *Except*
B-L,C-L,C-K,E-K: 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 10-0-0 oc bracing.
WEBS 1 Row at midpt E-I, G-H, F-H

REACTIONS. (size) A=0-3-8, H=0-3-8
Max Horz A=268(LC 9)
Max Uplift A=-161(LC 6), H=-175(LC 6)
Max Grav A=1514(LC 3), H=1572(LC 3)

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.

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

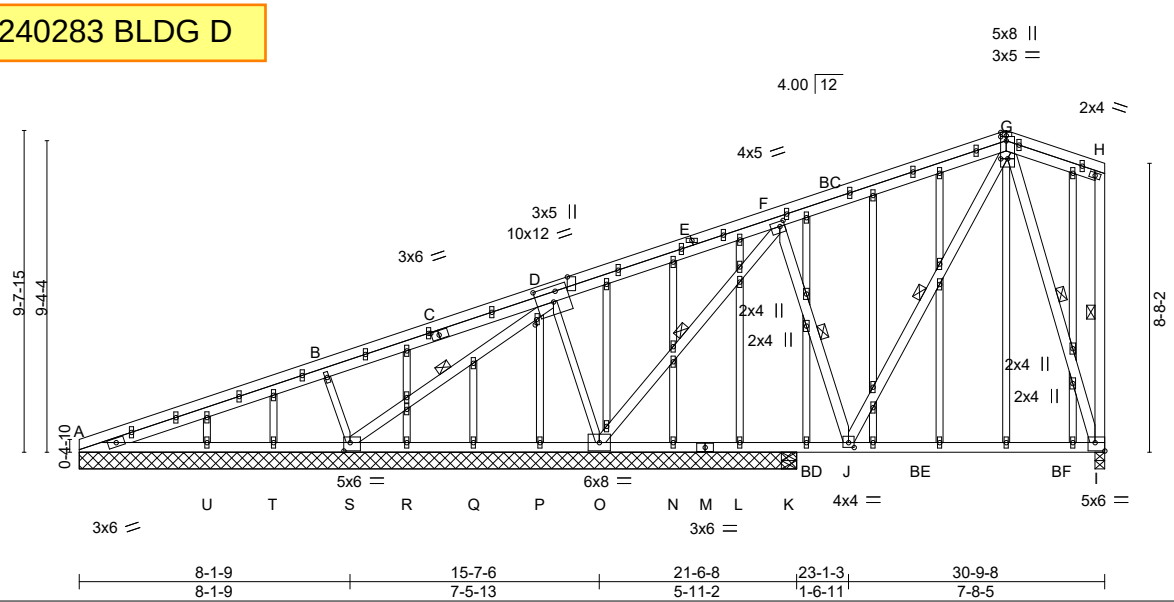
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A5	GABLE	5	1	U1530823
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:00 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-JYnhem_UP53KKpOQFdsplqmS0Q1WTXWfvkOU7EyeVrD

7-5-5	14-2-14	21-0-7	27-10-0	30-9-8
7-5-5	6-9-9	6-9-9	6-9-9	2-11-8

PRMU20240283 BLDG D

Scale = 1:69.2



8-1-9	15-7-6	21-6-8	23-1-3	30-9-8
8-1-9	7-5-13	5-11-2	1-6-11	7-8-5

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-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	25.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.17	I-J	>679	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.26	I-J	>427	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.86	Horz(CT)	-0.02	N	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.03	I-J	>999	240	Weight: 223 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
B-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 drag loads along bottom chord from 0-0-0 to 21-6-8 for 343.1 plf.

Continued on page 2

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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.

PRMU20240283 BLDG D

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A6	Common	2	1	U1530824
					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
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-nlL3s6?6AOBByzydoLN2I1JdLqOfCy0p7O72fgyeVrC

PRMU20240283 BLDG D

Scale = 1:59.7

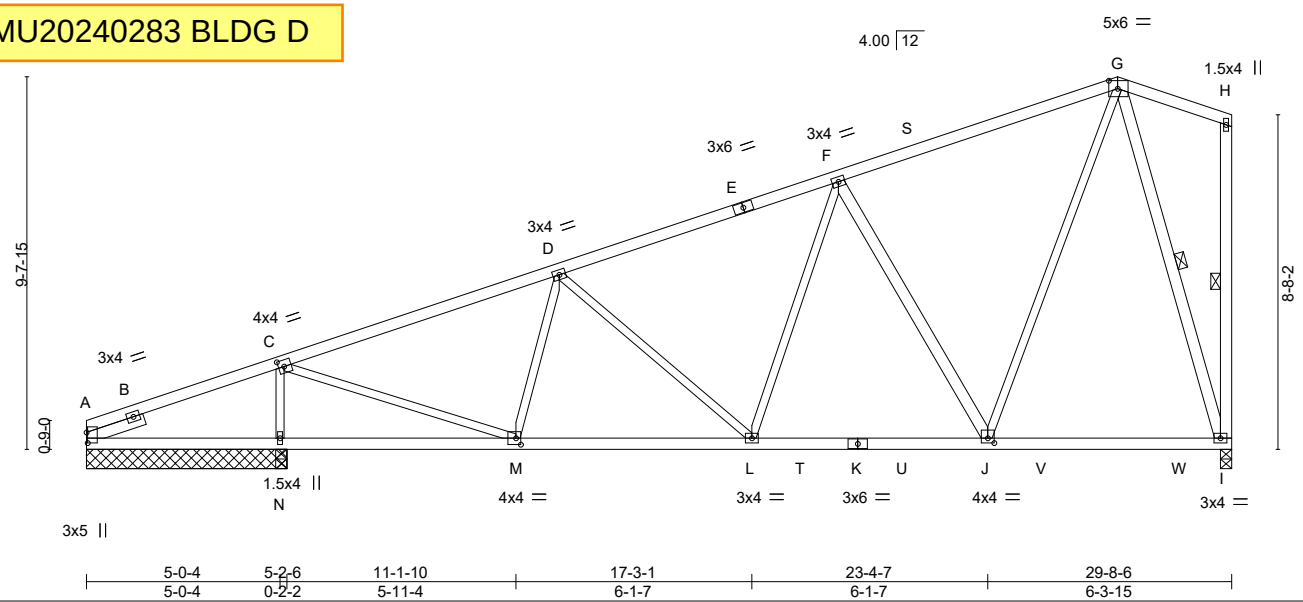


Plate Offsets (X,Y)-- [A:0-3-5,0-0-6], [C:0-1-12,0-2-0], [G:0-2-12,0-2-8], [J:0-2-0,0-1-8], [M:0-1-8,0-2-0]

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

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
F-J,H-I,G-I: 2x4 SPF No.2
SLIDER Left 2x4 SPF No.2 1-7-0

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

REACTIONS. All bearings 5-2-6 except (jt=length) I=0-3-8.
(lb) - Max Horz 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) 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 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

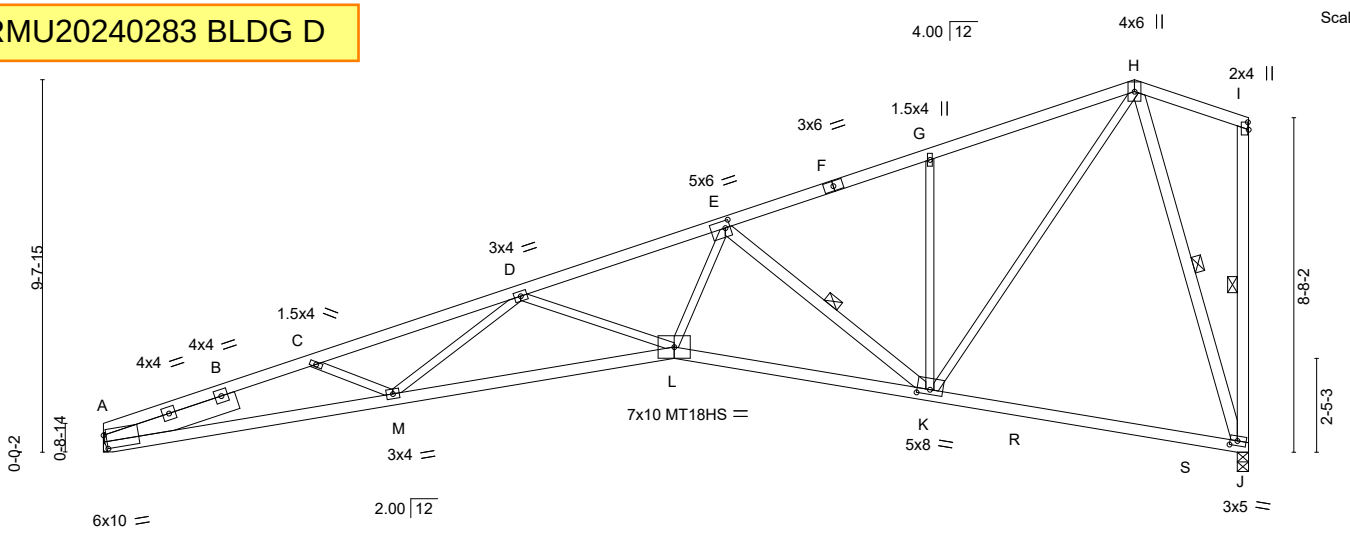
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A7	Scissor	14	1	U1530825
					Job Reference (optional)

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
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-nlL3s6?6AOBByzydoLN2l1JfSqMGC1pp7O72fgyeVrC

5-6-3	10-9-14	16-1-8	21-5-3	26-8-14	29-8-6
5-6-3	5-3-11	5-3-11	5-3-11	5-3-11	2-11-8

PRMU20240283 BLDG D

Scale = 1:59.8



7-6-1	14-9-10	21-5-3	29-8-6
7-6-1	7-3-9	6-7-9	8-3-3

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]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.41	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	Weight: 128 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2 *Except*
A-F: 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
E-K,I-J,H-J: 2x4 SPF No.2
SLIDER Left 2x6 SPF No.2 3-7-10

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-7-6 oc bracing.
WEBS 1 Row at midpt E-K, I-J, H-J

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

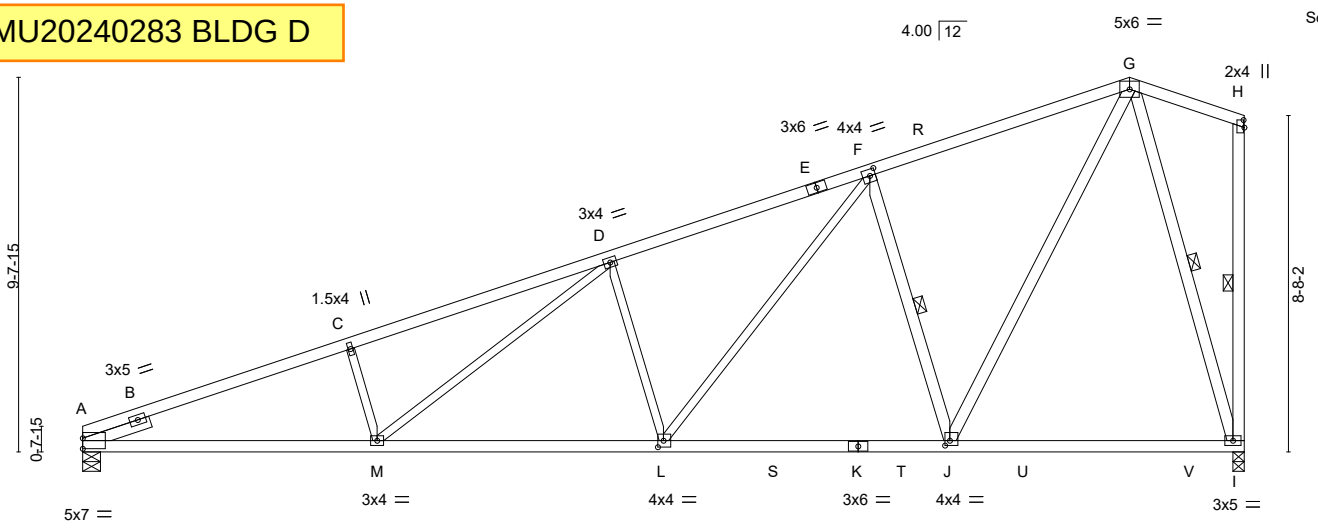
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A8	Common	2	1	U1530826
					Job Reference (optional)

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
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-GxvS3S0kxiJ2Z6XpM2vHqFrpmEhaxVWyM2tbB7yeVrB

6-10-14	13-7-4	20-3-10	27-0-0	29-11-8
6-10-14	6-8-6	6-8-6	6-8-6	2-11-8

PRMU20240283 BLDG D

Scale = 1:59.4



7-7-2	14-11-12	22-4-6	29-11-8
7-7-2	7-4-10	7-4-10	7-7-2

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-	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)	-0.21	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	Weight: 131 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except*
	A-E: 2x4 SPF 2100F 1.8E
BOT CHORD	2x4 SPF No.2 *Except*
	A-K: 2x4 SPF 2100F 1.8E
WEBS	2x4 SPF No.2 *Except*
	C-M,D-M,D-L,F-L: 2x3 SPF No.2
SLIDER	Left 2x4 SPF No.2 1-9-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-4-2 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt F-J, H-I, G-I

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

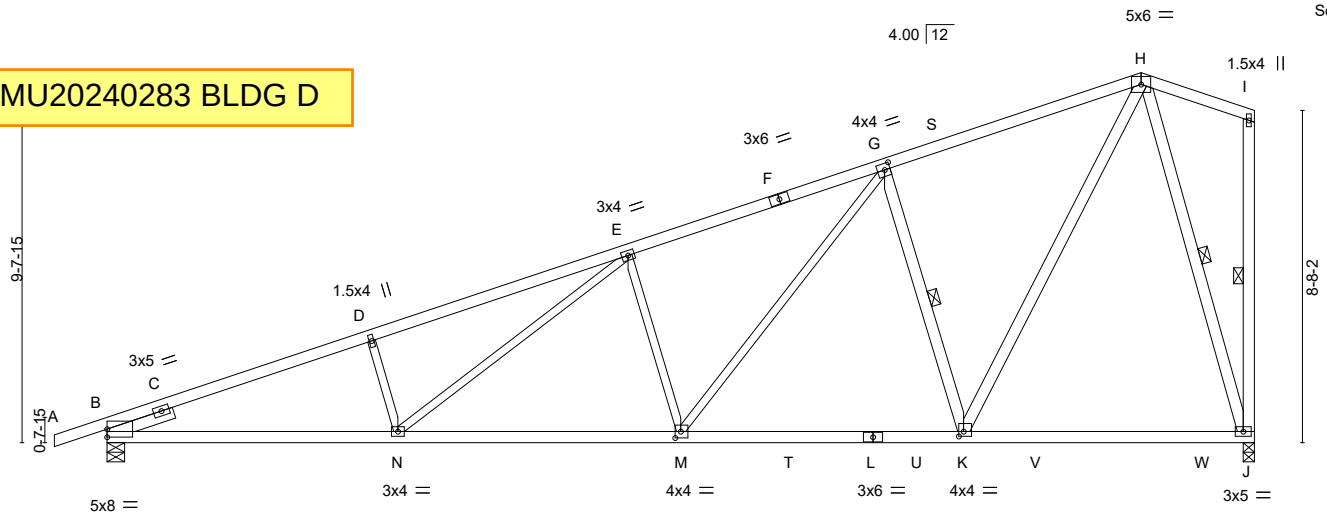
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A9	Common	6	1	U1530827
					Job Reference (optional)

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
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-k7TqHo1Mi0SvBG6?wmQWNSO_Xe1qgyn6bic9jZyeVrA

-1-4-8	6-10-14	13-7-4	20-3-10	27-0-0	29-11-8
1-4-8	6-10-14	6-8-6	6-8-6	6-8-6	2-11-8

Scale = 1:60.2

PRMU20240283 BLDG D



7-7-2	14-11-12	22-4-6	29-11-8
7-7-2	7-4-10	7-4-10	7-7-2

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.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	-0.21	M-N	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.40	M-N	>900	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.07	J	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.10	M-N	>999	240	Weight: 133 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2 *Except* A-F: 2x4 SPF 2100F 1.8E
BOT CHORD	2x4 SPF No.2 *Except* B-L: 2x4 SPF 2100F 1.8E
WEBS	2x4 SPF No.2 *Except* D-N,E-N,E-M,G-M: 2x3 SPF No.2
SLIDER	Left 2x4 SPF No.2 1-9-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-4-2 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt G-K, I-J, H-J

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) 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 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

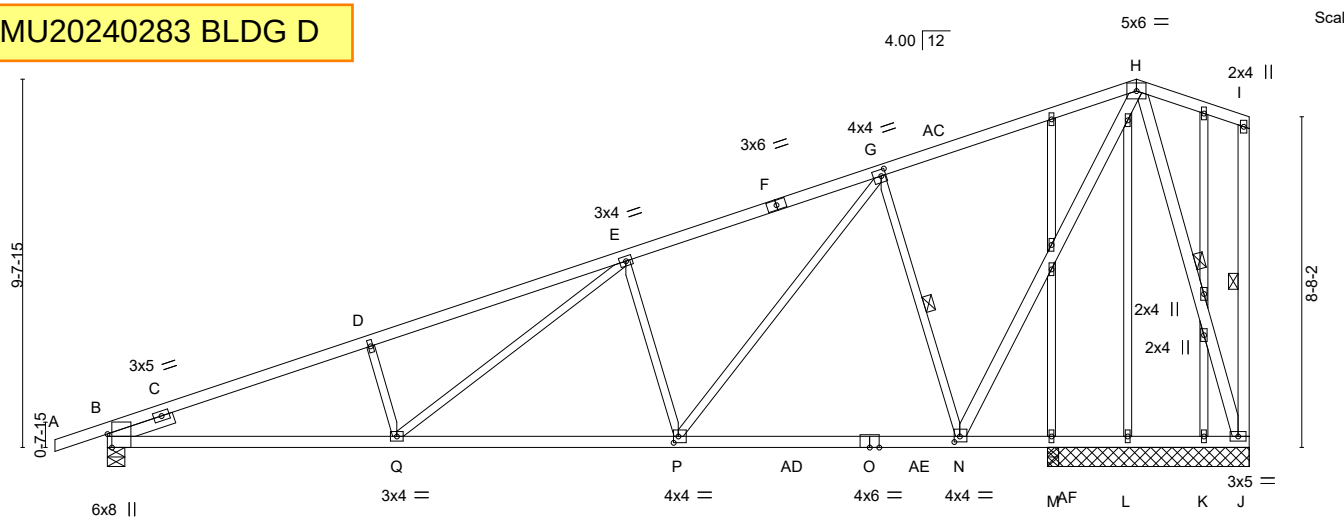
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A10	GABLE	2	1	U1530828
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:47 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-C2VnwKqKT5RAGpuw_P7mj4jBPBc3wjtlvDkI9UyeVrQ

-1-4-8	6-10-14	13-7-4	20-3-10	27-0-0	29-11-8
1-4-8	6-10-14	6-8-6	6-8-6	6-8-6	2-11-8

PRMU20240283 BLDG D

Scale = 1:60.5



7-7-2	14-11-12	22-4-6	24-8-0	29-11-8
7-7-2	7-4-10	7-4-10	2-3-10	5-3-8

Plate Offsets (X,Y)-- [B:0-4-4,Edge], [G:0-1-8,0-2-0], [N:0-1-12,0-1-12], [P: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	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.22	N-P	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.40	P-Q	>751	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.06	J	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.11	P-Q	>999	240	Weight: 151 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B-O: 2x4 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
H-N,I-J,H-J: 2x4 SPF No.2
OTHERS 2x3 SPF No.2
SLIDER Left 2x4 SPF No.2 1-9-12

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt G-N, I-J, H-J

REACTIONS. All bearings 5-3-8 except (jt=length) B=0-5-8, M=0-3-8, M=0-3-8.
(lb) - Max Horz B=272(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) K, M except B=-198(LC 6), J=-183(LC 7), L=-145(LC 17)
Max Grav All reactions 250 lb or less at joint(s) L, K except B=1513(LC 3), J=1198(LC 2), M=309(LC 3), M=291(LC 1)

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

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) K, M except (jt=lb) B=198, J=183, L=145.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:47:48 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-gF397gryEPZ1uzT7Y6f?GIGQmbr9f89u8tUshxyeVrP

PRMU20240283 BLDG D

Scale = 1:65.5

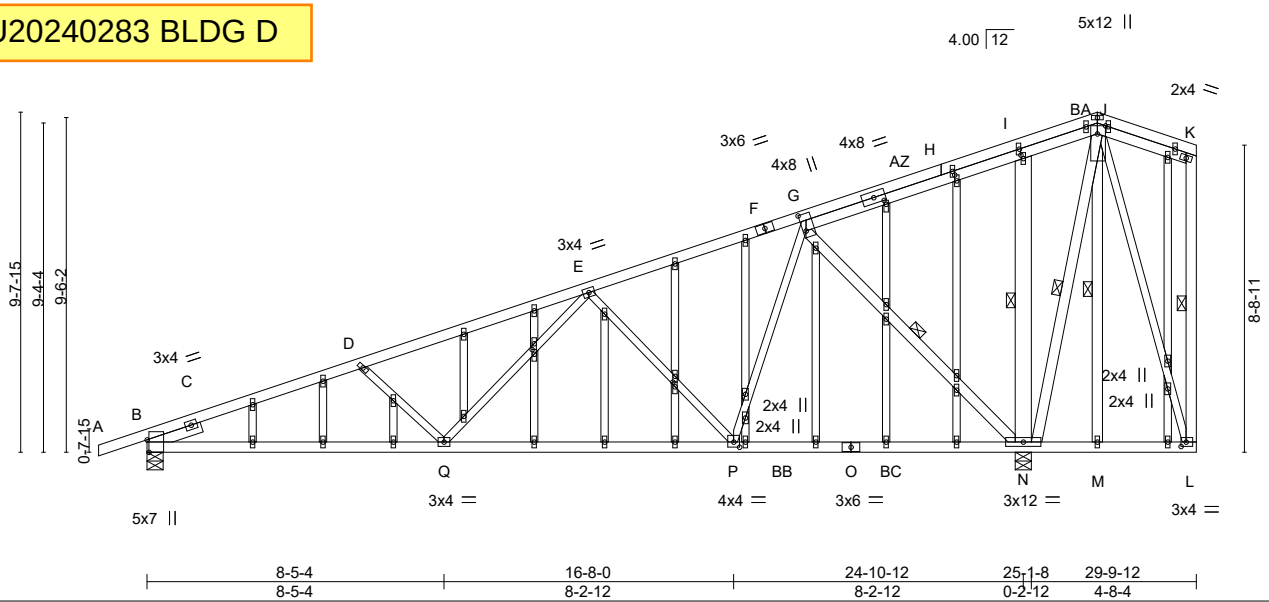


Plate Offsets (X,Y)-- [B:0-4-4,Edge], [G:0-5-12,0-1-0], [I:0-2-0,0-0-8], [J:0-2-12,Edge], [L:0-1-12,0-1-8], [P:0-2-0,0-1-12], [R:0-2-0,0-0-11], [U:0-1-6,0-0-12], [AE:0-1-10,0-0-12], [AH:0-1-10,0-0-12]

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	0.74	Vert(LL)	-0.16	P-Q	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.31	P-Q	>949	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.06	N	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.08	P-Q	>999	240	Weight: 208 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
G-N,J-N,K-L: 2x4 SPF No.2, I-N: 2x6 SPF No.2
OTHERS 2x3 SPF No.2 *Except*
J-M: 2x4 SPF No.2
SLIDER Left 2x4 SPF No.2 1-7-4

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

REACTIONS. (size) B=0-5-8, N=0-5-8
Max Horz B=265(LC 9)
Max Uplift B=-168(LC 6), N=-203(LC 6)
Max Grav B=1263(LC 3), N=1742(LC 3)

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

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) 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.

September 12,2024

Continued on page 2

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

NOTES-

12) No notches allowed in overhang and 200100 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.

PRMU20240283 BLDG D

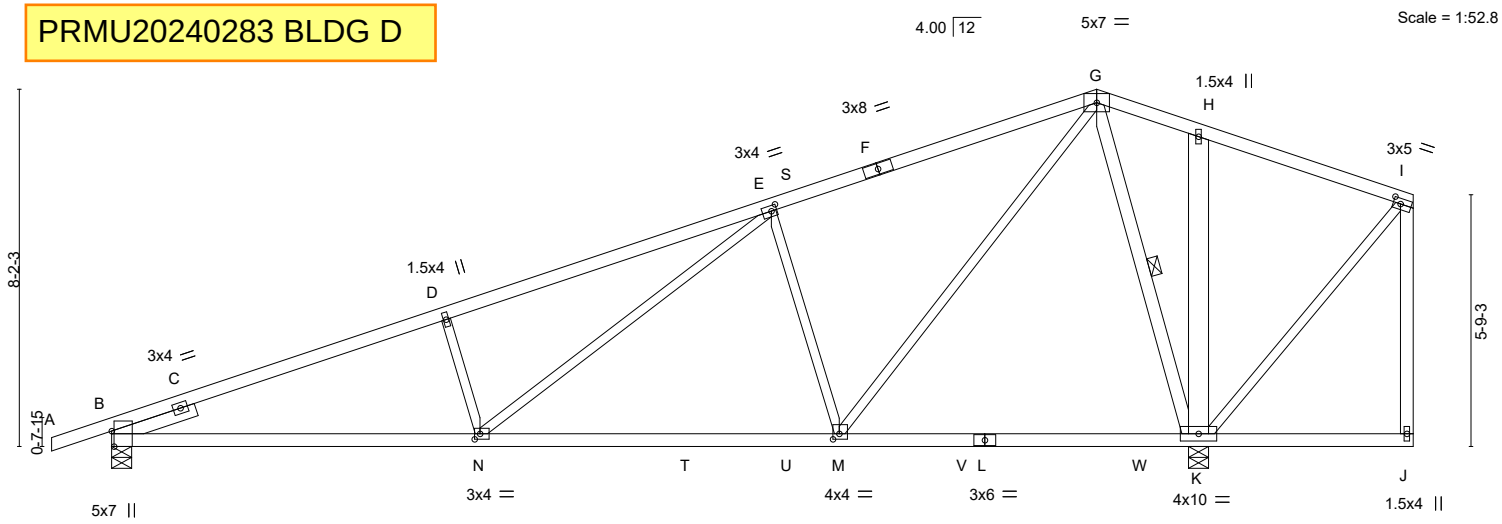
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A12	COMMON	6	1	U1530830
					Job Reference (optional)

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_kgkR0vWWVzFIgc-cdAvYMtCm0pl7GdVfXhTLjLiUOZv705BcBzympyeVrN

-1-4-8	7-7-15	15-1-5	22-6-12	24-10-12	29-9-12
1-4-8	7-7-15	7-5-7	7-5-7	2-4-0	4-11-0

PRMU20240283 BLDG D

Scale = 1:52.8



8-5-4	16-8-0	24-10-12	25-1-8	29-9-12
8-5-4	8-2-12	8-2-12	0-2-12	4-8-4

Plate Offsets (X,Y)-- [B:0-4-4,Edge], [E:0-1-8,0-1-8], [I:0-2-0,0-1-8], [M:0-1-12,0-1-8], [N:0-1-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.98	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	Weight: 128 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x3 SPF No.2 *Except* G-K,I-J: 2x4 SPF No.2, H-K: 2x6 SPF No.2
SLIDER	Left 2x4 SPF No.2 2-0-2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-7-3 oc bracing.
WEBS	1 Row at midpt G-K

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; 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) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

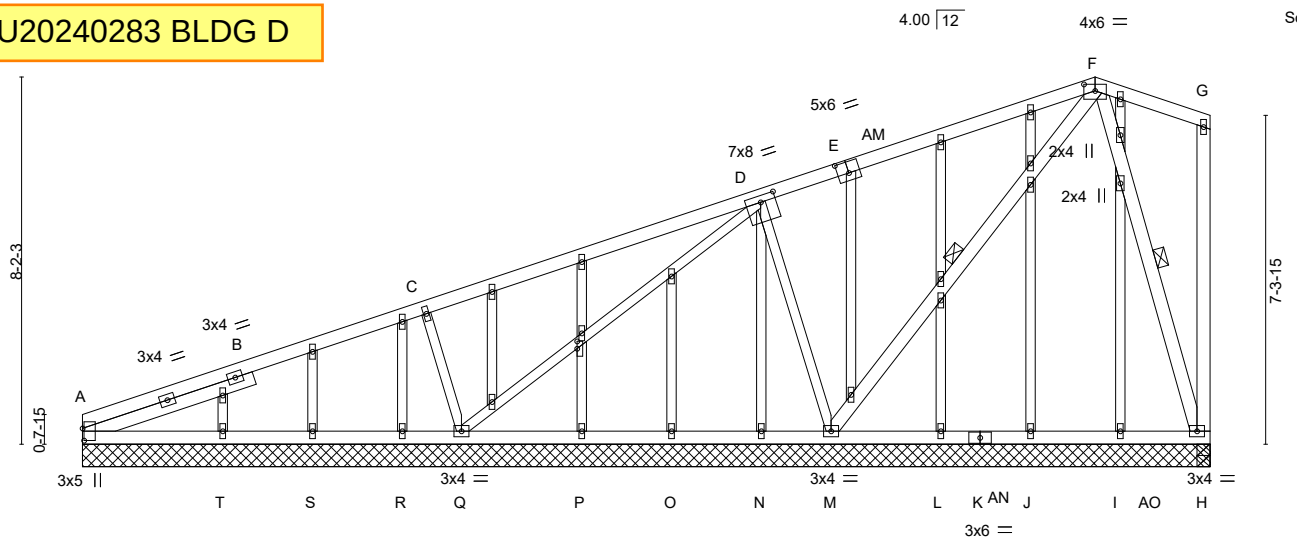
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A13	GABLE	2	1	U1530831
					Job Reference (optional)

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_kgkR0vWWVzFIgc-cdAvYMtCm0pl7GdVfXhTLjLq9Okv7AHBcBzympyeVrN

7-7-15 | 15-1-5 | 22-6-12 | 25-1-8
7-7-15 | 7-5-7 | 7-5-7 | 2-6-12

PRMU20240283 BLDG D

Scale = 1:51.3



8-5-5 | 16-8-3 | 25-1-8
8-5-5 | 8-2-13 | 8-5-5

Plate Offsets (X,Y)-- [A:0-3-4,0-0-7], [D:0-4-0,0-1-12], [E:0-3-0,0-3-0], [F:0-3-0,0-1-12], [AF:0-1-15,0-0-0]

LOADING (psf)		SPACING-	1-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.00	A-T	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	A-T	>999	240		
TCDL	12.0	Rep Stress Incr	NO	WB	0.14	Horz(CT)	0.00	H	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-S		Wind(LL)	0.00	A-T	>999	240		
BCDL	10.0										Weight: 142 lb	FT = 20%

LUMBER-
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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt F-M, F-H

REACTIONS. 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

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-C=-256/19
WEBS C-Q=-264/93

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) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

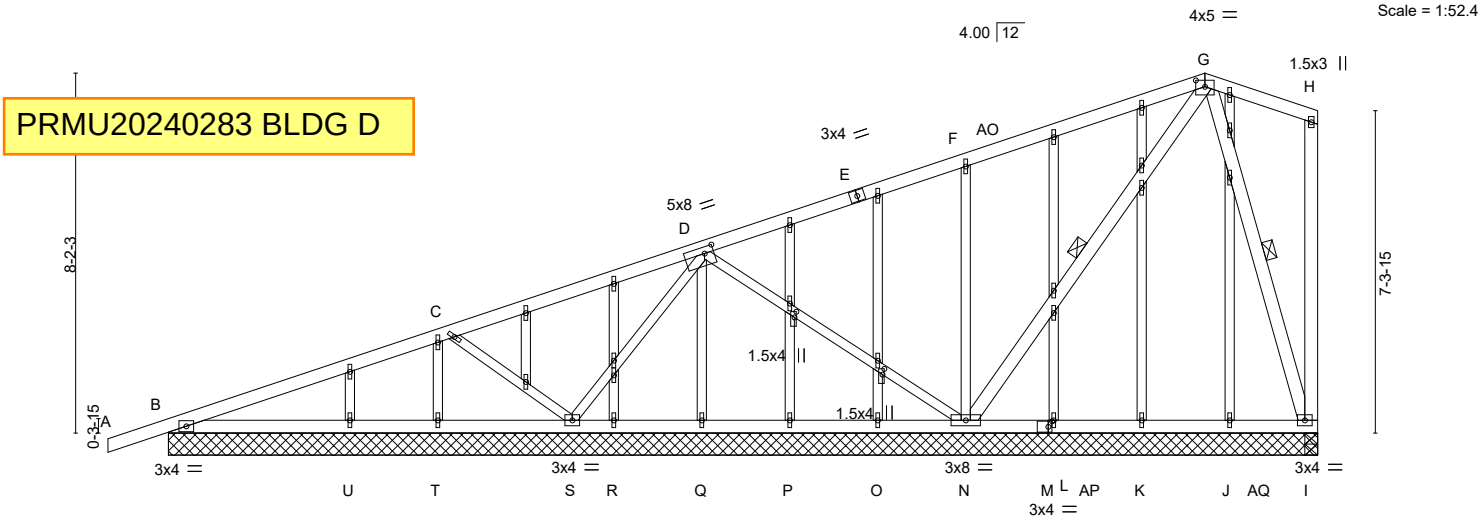
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A14	GABLE	2	1	U1530832
					Job Reference (optional)

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
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-Y0lgz1uSId3TNamunyjxQ8RDpCQ5b3EU3US3qiyeVrL

-1-4-8 | 6-6-0 | 12-2-4 | 18-1-8 | 23-6-12 | 26-1-8
1-4-8 | 6-6-0 | 5-8-4 | 5-11-4 | 5-5-4 | 2-6-12

Scale = 1:52.4

PRMU20240283 BLDG D



9-2-3 | 18-1-8 | 26-1-8
9-2-3 | 8-11-5 | 8-0-0

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	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.01	B-U	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.01	B-U	>999	240		
TCDL	12.0	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.00	S	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S		Wind(LL)	0.00	B-U	>999	240	Weight: 141 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
G-N,H-I,G-I: 2x4 SPF No.2
OTHERS 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt G-N, G-I

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

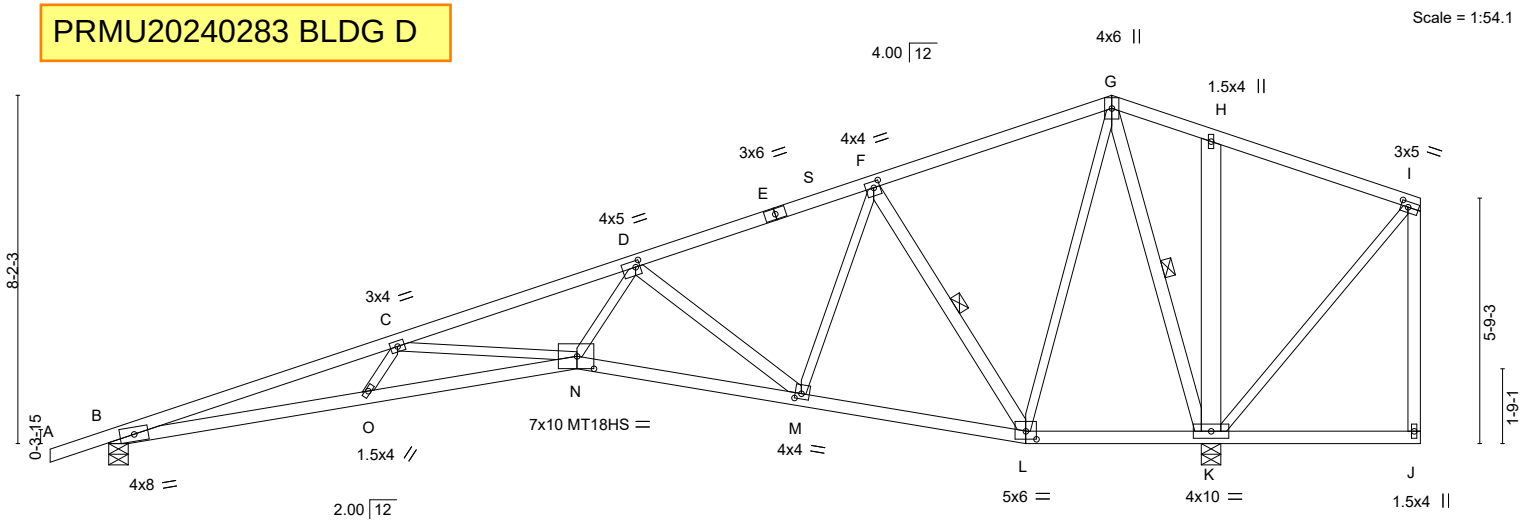
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A15	Roof Special	6	1	U1530833
					Job Reference (optional)

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
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-Y0Igz1uSId3TNamunyjxQ8R23CGdbutU3US3qiyeVrL

-1-4-8	6-9-6	12-4-8	17-11-10	23-6-12	25-10-12	30-9-12
1-4-8	6-9-6	5-7-2	5-7-2	5-7-2	2-4-0	4-11-0

PRMU20240283 BLDG D

Scale = 1:54.1



6-1-2	11-0-0	16-3-4	21-6-8	25-10-12	26-1-8	30-9-12
6-1-2	4-10-14	5-3-4	5-3-4	4-4-4	0-2-12	4-8-4

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	Plate Grip DOL	1.15	TC	0.98	Vert(LL)	-0.41	N-O	>752	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.75	N-O	>417	240	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.30	K	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.23	N-O	>999	240	Weight: 138 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B-N: 2x4 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
D-M,F-L,G-K,I-J: 2x4 SPF No.2, H-K: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-5 oc bracing.
WEBS 1 Row at midpt F-L, G-K

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; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) 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 1.

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

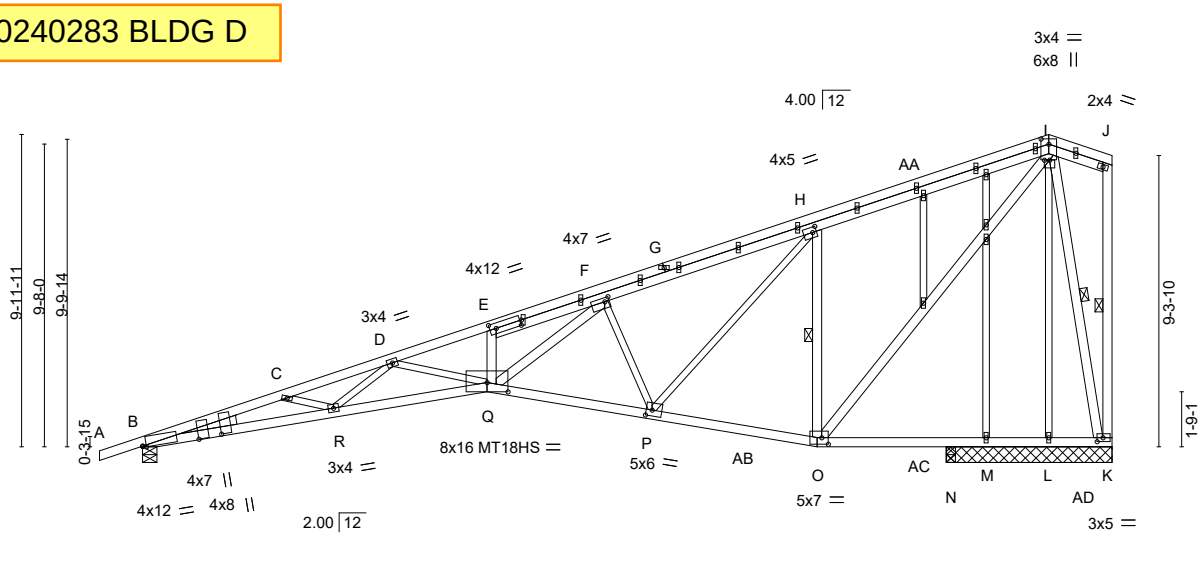
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A16	GABLE	2	1	U1530834
					Job Reference (optional)

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_kgkR0vWWVzFlgc-0Cs2ANv53xBK_kL4KfEAzLzF4caXKL9dI8BdN8yeVrK

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

PRMU20240283 BLDG D

Scale = 1:73.6



6-1-2	7-11-11	11-0-0	16-3-4	21-6-8	25-11-8	30-11-8
6-1-2	1-10-9	3-0-5	5-3-4	5-3-4	4-5-0	5-0-0

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]

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	0.90	Vert(LL)	-0.66	Q-R	>468	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.95	Vert(CT)	-1.20	Q-R	>259	240	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.42	K	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.38	Q-R	>817	240	Weight: 181 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2 *Except*
A-G: 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF No.2 *Except*
B-Q: 2x4 SPF 2100F 1.8E
WEBS 2x4 SPF No.2 *Except*
D-Q,F-P,H-P,D-R,C-R: 2x3 SPF No.2
OTHERS 2x3 SPF No.2
WEDGE
Left: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt H-O, J-K, I-K

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=-1027/7170, 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

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.

Continued on page 2

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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.

PRMU20240283 BLDG D

11) e using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
12) 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.

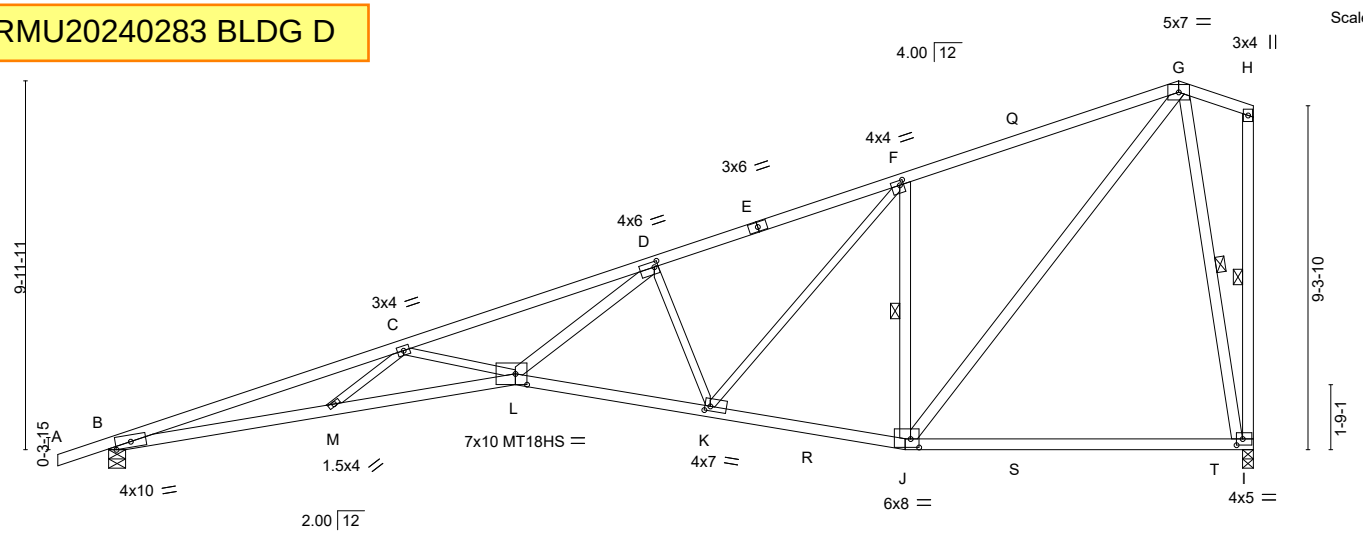
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	A17	Roof Special	11	1	U1530835
					Job Reference (optional)

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
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-VPQQOjwjqFJBcuwHuNlPVZWOi0wc3rcnWoxAvayeVrJ

-1-4-8	7-11-11	14-9-1	21-6-8	28-11-4	30-11-8
1-4-8	7-11-11	6-9-6	6-9-6	7-4-12	2-0-4

PRMU20240283 BLDG D

Scale = 1:62.3



6-1-2	11-0-0	16-3-4	21-6-8	30-11-8
6-1-2	4-10-14	5-3-4	5-3-4	9-5-0

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]

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	0.90	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	Weight: 137 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-12 oc bracing.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
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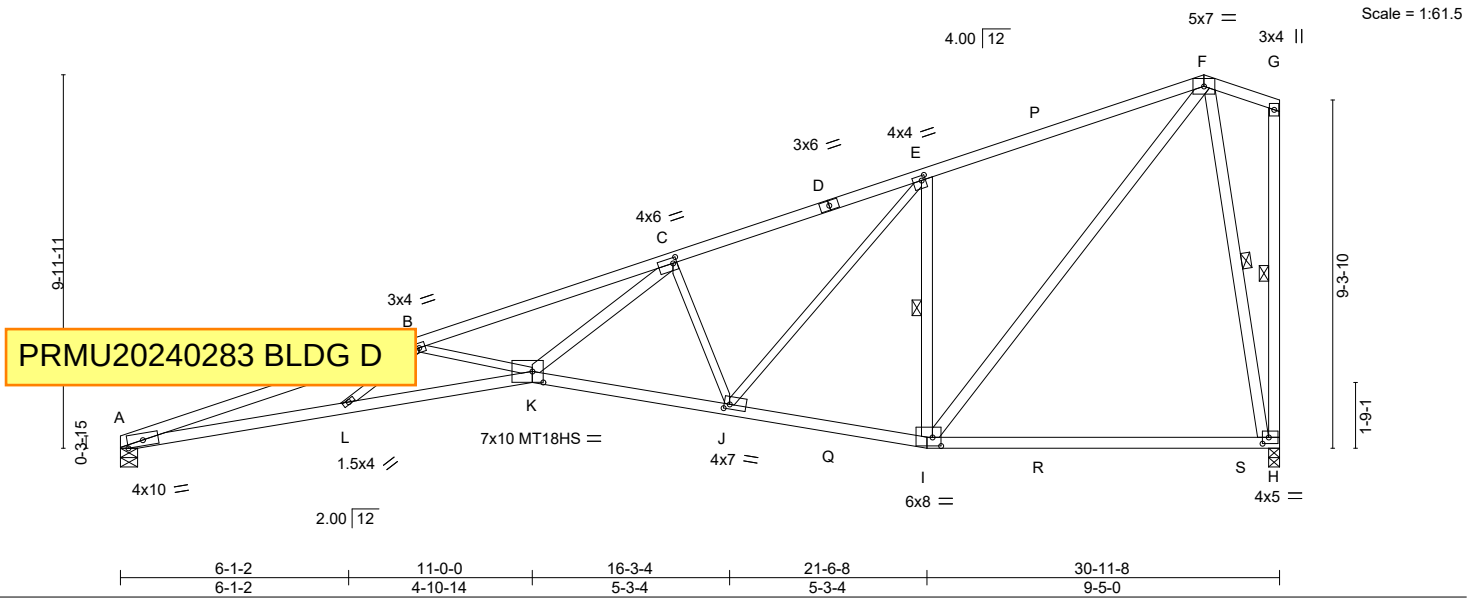

Plate Offsets (X,Y)-- [C:0-1-4,0-1-12], [E:0-1-4,0-1-8], [H:0-2-0,0-2-0], [I:0-2-12,0-2-12], [J:0-1-12,0-1-8], [K:0-3-8,0-3-8]

LOADING (psf)		SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL 1.15	TC 0.95	Vert(LL)	-0.56	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	Weight: 135 lb	FT = 20%
BCDL	10.0									

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-2 oc bracing.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RnXApPxzLsZvrB4f0notb_bnYpdmXio4_6QH_TyeVrH

PRMU20240283 BLDG D

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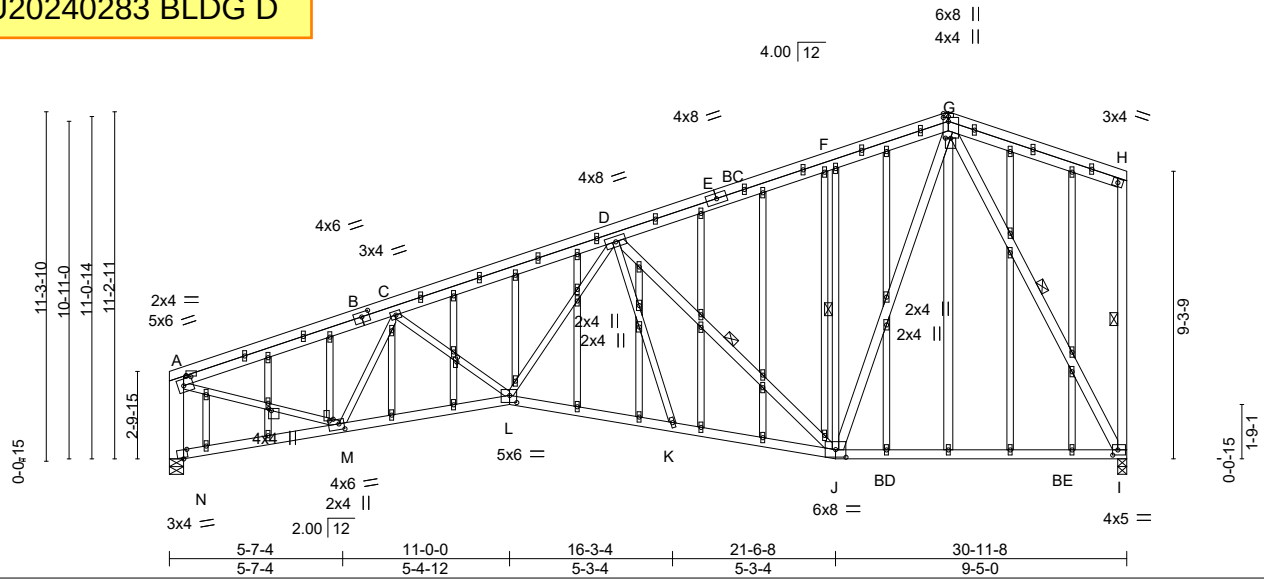


Plate Offsets (X,Y)-- [A:0-3-12,0-2-8], [A:0-0-0,0-0-4], [B:0-3-0,0-1-12], [G:0-2-0,Edge], [G:0-1-8,0-2-0], [G:0-0-1,0-2-0], [I:0-2-0,0-2-0], [J:0-4-0,0-2-15], [L:0-2-12,0-2-12], [M:0-2-0,0-2-4], [M:0-0-11,0-1-8], [N:0-1-13,Edge], [AJ:0-1-14,0-0-4], [AP:0-0-13,0-1-0]

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	0.75	Vert(LL)	-0.44	I-J	>829	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.70	I-J	>521	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.13	I	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.08	L	>999	240	Weight: 264 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
I-J: 2x4 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
D-J,G-J,H-I,G-I: 2x4 SPF No.2, A-N: 2x6 SPF No.2
OTHERS 2x3 SPF No.2 *Except*
G-O: 2x4 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 9-11-12 oc bracing.
WEBS 1 Row at midpt D-J, F-J, H-I, G-I

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) 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) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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.

PRMU20240283 BLDG D

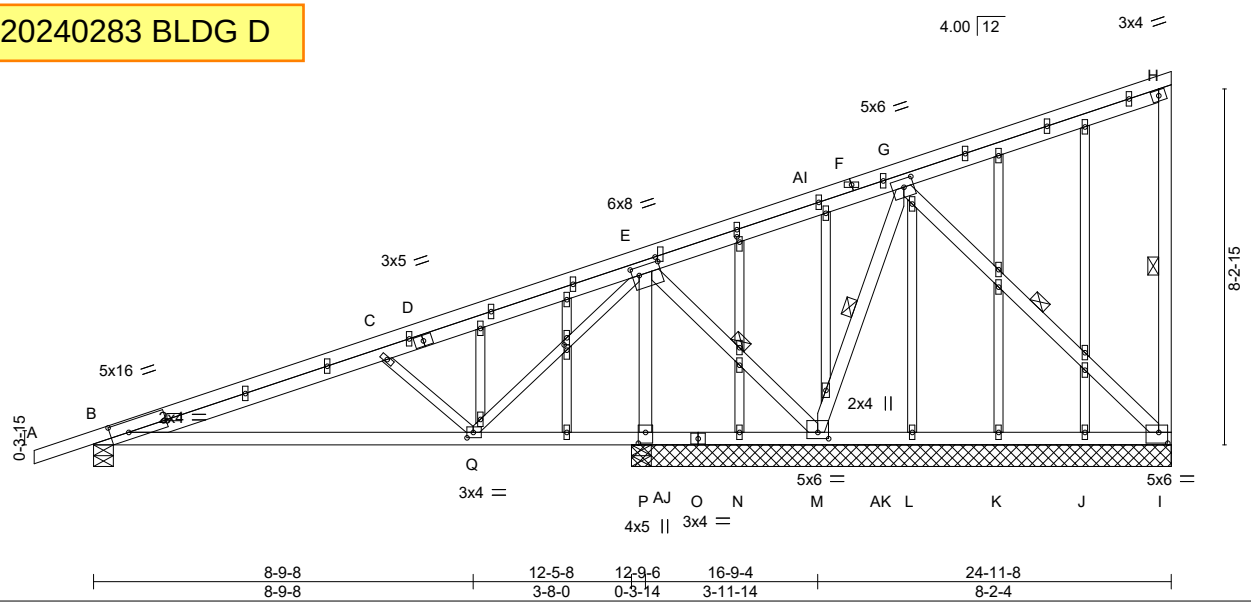
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	B1	GABLE	7	1	U1530774
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:24 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

-1-4-8	6-9-9	12-9-6	18-9-3	24-11-8
1-4-8	6-9-9	5-11-13	5-11-13	6-2-5

PRMU20240283 BLDG D

Scale = 1:53.4



8-9-8	12-5-8	12-9-6	16-9-4	24-11-8
8-9-8	3-8-0	0-3-14	3-11-14	8-2-4

Plate Offsets (X,Y)-- [B:0-5-1,0-3-0], [E:0-1-14,0-2-4], [E:0-1-4,0-0-12], [G: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-**	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)	-0.17	Q-AH	>877	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.32	Q-AH	>466	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.91	Horz(CT)	-0.05	J	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.10	Q-AH	>999	240	Weight: 158 lb	FT = 20%
BCDL	10.0											

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

September 12,2024

Continued on page 2

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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) PRMU20240283 BLDG D ft end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at For edge-wise notching, provide at least one tie plate between each notch.

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

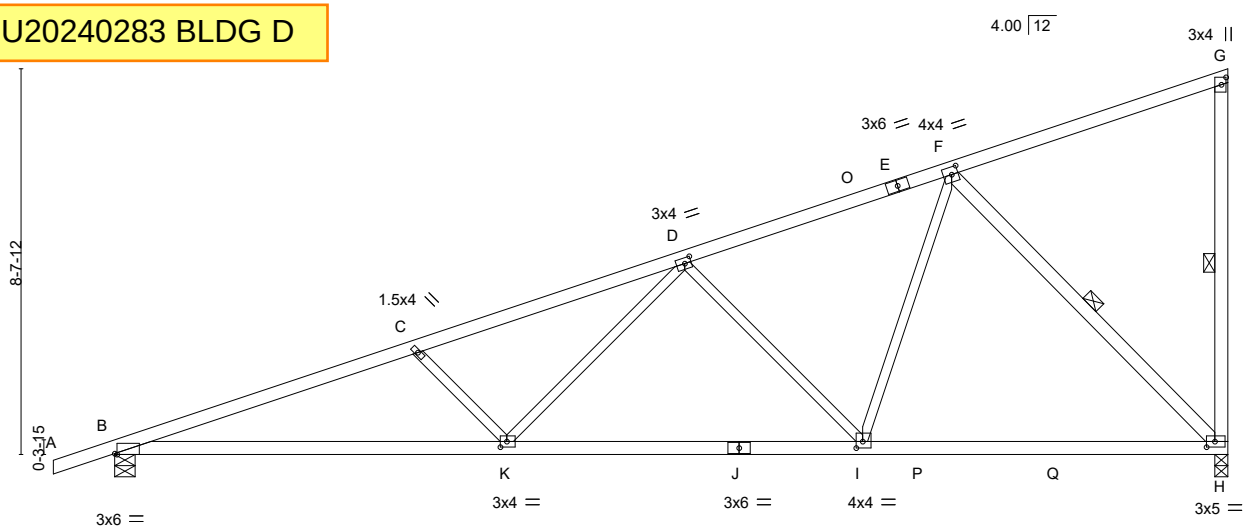
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	B2	Monopitch	28	1	U1530838
					Job Reference (optional)

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
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-k7TqHo1Mi0SvBG6?me?Vgw56bic9jZyeVrA

-1-4-8	6-9-9	12-9-6	18-9-3	24-11-8
1-4-8	6-9-9	5-11-13	5-11-13	6-2-5

PRMU20240283 BLDG D

Scale = 1:51.7



8-9-8	16-9-4	24-11-8
8-9-8	7-11-12	8-2-4

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)	l/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	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.39	K-N	>769	240		
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	Weight: 96 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt G-H, F-H

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

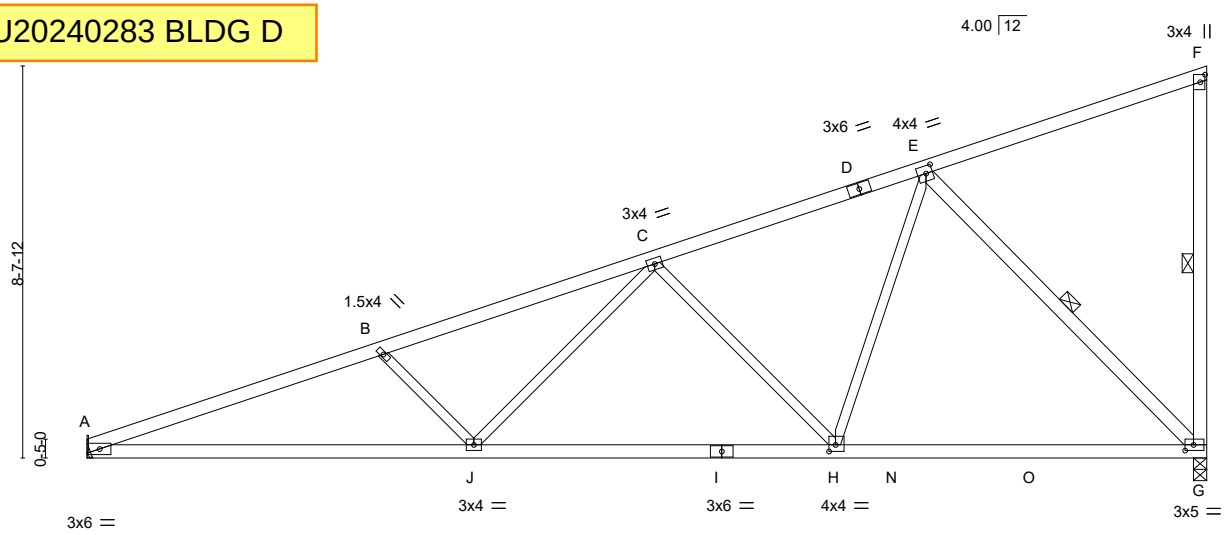
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	B3	Roof Special	49	1	U1530839
					Job Reference (optional)

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_kgkR0vWWVzFIgc-CK0CU82_TJampQhCUTxlvgwAl2JuPNeFqMMiG?yeVr9

6-6-7 | 12-6-4 | 18-6-1 | 24-8-6
6-6-7 | 5-11-13 | 5-11-13 | 6-2-5

PRMU20240283 BLDG D

Scale = 1:50.8



8-6-6 | 16-6-2 | 24-8-6
8-6-6 | 7-11-12 | 8-2-4

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt F-G, E-G

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-
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 167 lb uplift at joint G and 125 lb uplift at joint A.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-CK0CU82_TJampQhCUTxlvgw8U2KLPKBFqMMiG?yeVr9

PRMU20240283 BLDG D

Scale = 1:51.2

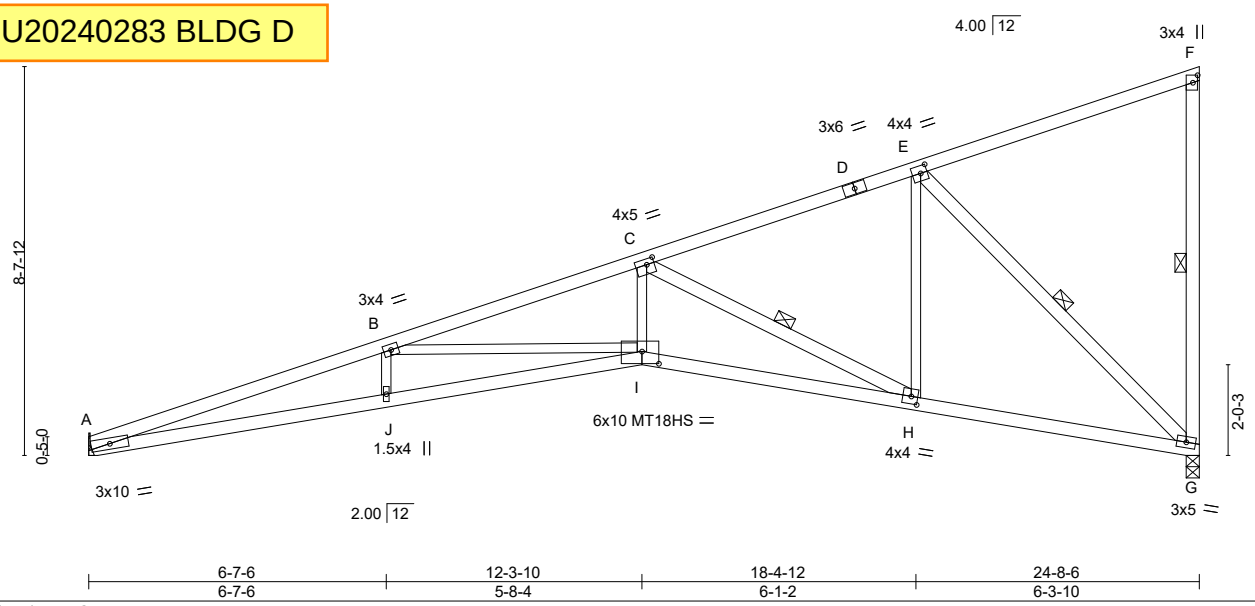


Plate Offsets (X,Y)-- [C:0-2-0,0-1-8], [E:0-1-12,0-2-0], [F:0-2-0,0-1-4], [H:0-1-12,0-2-0], [I:0-4-8,0-3-4]

LOADING (psf)		SPACING-	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)	-0.41	I-J	>710	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.76	I-J	>386	240	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.34	G	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.24	I-J	>999	240	Weight: 96 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt F-G, C-H, E-G

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

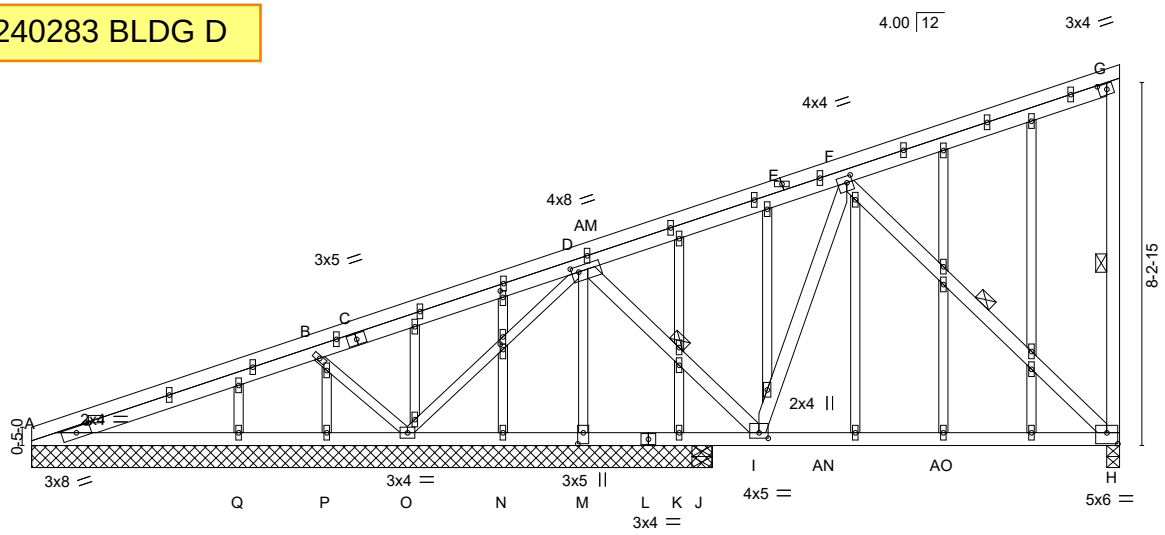
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	B4	GABLE	7	1	U1530775
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Jul 12 2024 MiTek Industries, Inc. Thu Sep 12 02:47:26 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

6-6-7	12-6-4	18-6-1	24-8-6
6-6-7	5-11-13	5-11-13	6-2-5

PRMU20240283 BLDG D

Scale = 1:52.3



8-8-6	12-6-4	15-5-6	16-6-2	24-8-6
8-8-6	3-11-14	2-11-2	1-0-12	8-2-4

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)	l/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	Weight: 156 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
B-O,D-O,D-M: 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 3-3-2 oc bracing.
WEBS 1 Row at midpt G-H, D-I, F-H

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.

September 12,2024

Continued on page 2

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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 283.7 plf.

12) PRMU20240283 BLDG D l 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. wise notching, provide at least one tie plate between each notch.

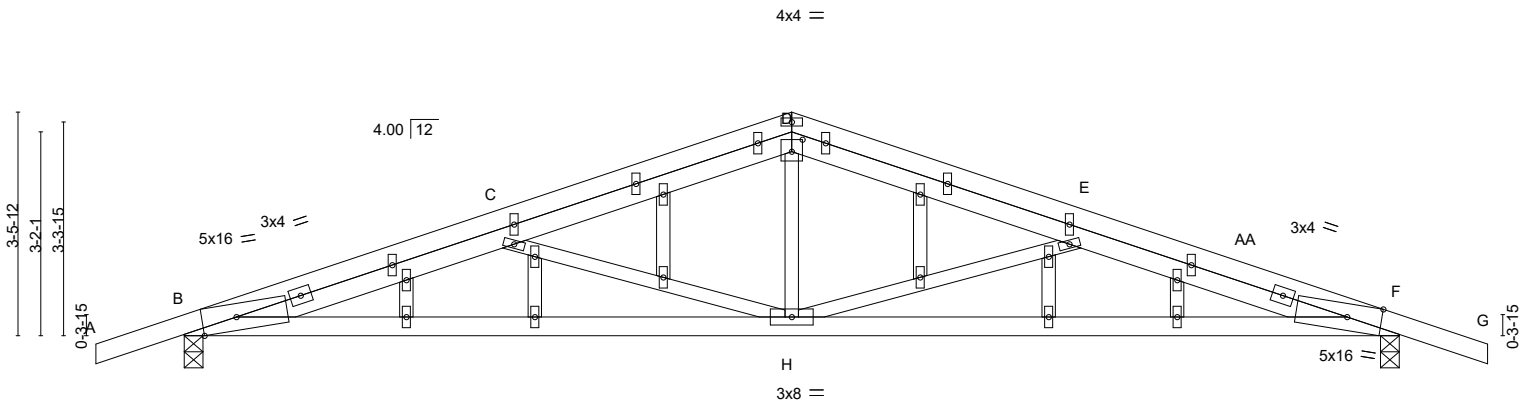
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	C1	GABLE	15	1	U1530776
					Job Reference (optional)

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

-1-4-8	5-1-10	9-5-8	13-9-6	18-11-0	20-3-8
1-4-8	5-1-10	4-3-14	4-3-14	5-1-10	1-4-8

PRMU20240283 BLDG D

Scale = 1:35.9



9-5-8	18-11-0
9-5-8	9-5-8

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											

LUMBER-

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

BRACING-

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.

REACTIONS. (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)

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

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) 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 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

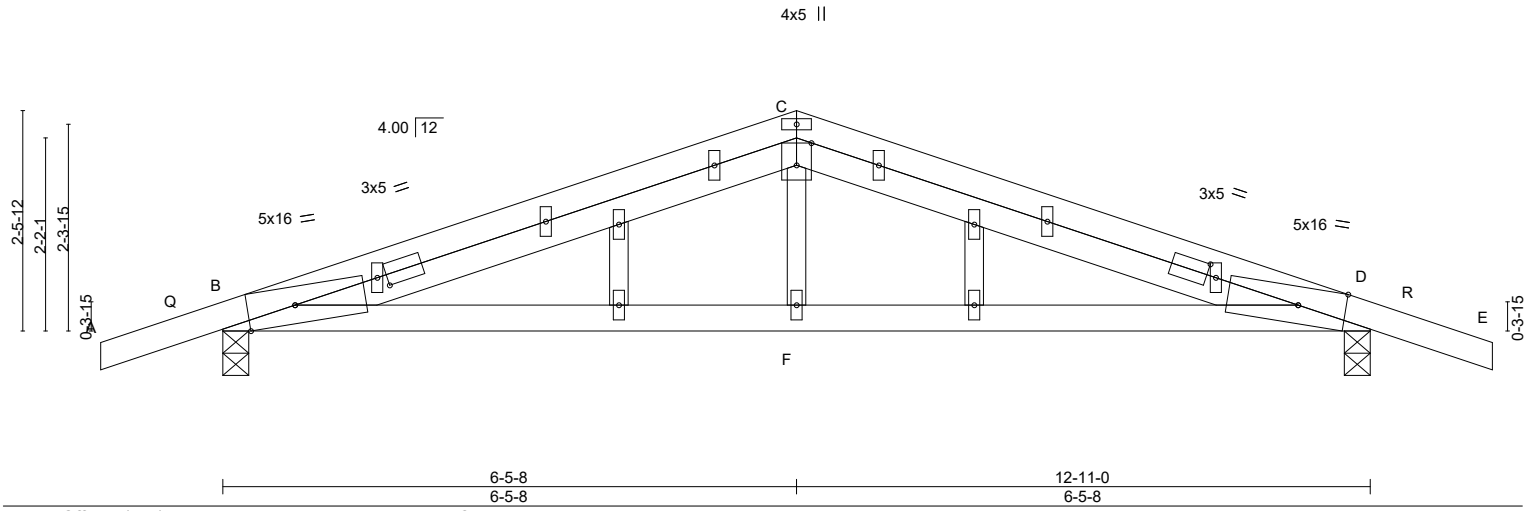
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	D1	GABLE	7	1	U1530777
					Job Reference (optional)

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?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

-1-4-8	6-5-8	12-11-0	14-3-8
1-4-8	6-5-8	6-5-8	1-4-8

PRMU20240283 BLDG D

Scale = 1:25.9



6-5-8	12-11-0
6-5-8	6-5-8

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-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.11	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-

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

BRACING-

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

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-

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) B=141, D=110.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	G1	GABLE	20	1	U1530841
					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_StTKARoq8_rO205FoSyeVr8

-1-4-8 | 6-7-0 | 13-2-0 | 14-6-8
1-4-8 | 6-7-0 | 6-7-0 | 1-4-8

PRMU20240283 BLDG D

4x5 =

Scale = 1:28.9

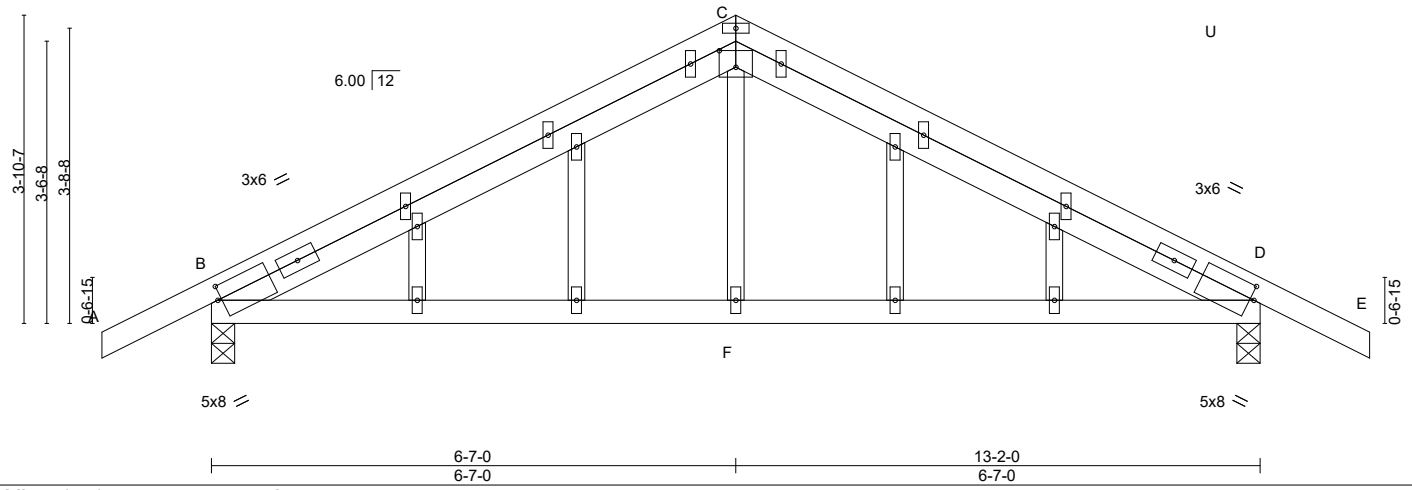


Plate Offsets (X,Y)-- [B:0-0-9,0-2-1], [C:0-2-8,0-2-8], [D:0-0-9,0-2-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.07	F-T	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.10	F-T	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	B	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.03	F-Q	>999	240	Weight: 59 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

-1-4-8 / 1-4-8 | 6-7-0 / 6-7-0 | 13-2-0 / 6-7-0 | 14-6-8 / 1-4-8

PRMU20240283 BLDG D

Scale = 1:26.6

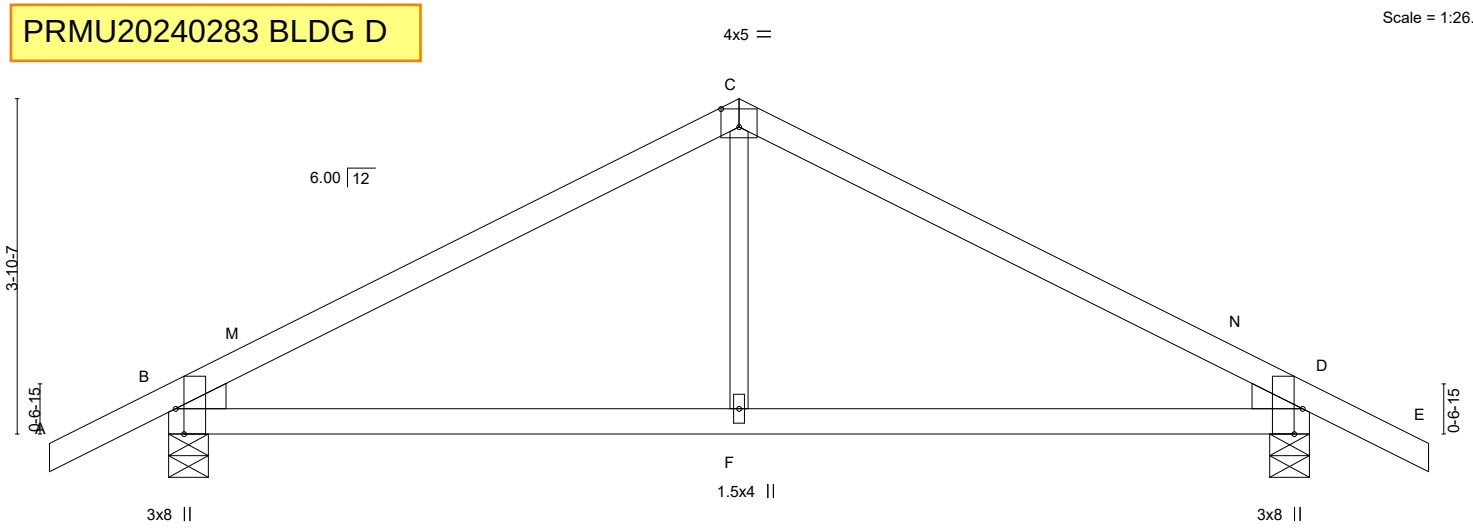


Plate Offsets (X,Y)-- [B:0-3-8,Edge], [C:0-2-8,0-2-8], [D:0-3-8,Edge]

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	0.79	Vert(LL)	-0.11	F-I	>999	360	MT20	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-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2
WEDGE
Left: 2x4 SPF No.2 , Right: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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?BO205FoSyeVr8

-1-4-8 | 7-9-0 | 15-6-0 | 16-10-8
1-4-8 | 7-9-0 | 7-9-0 | 1-4-8

PRMU20240283 BLDG D

Scale = 1:30.8

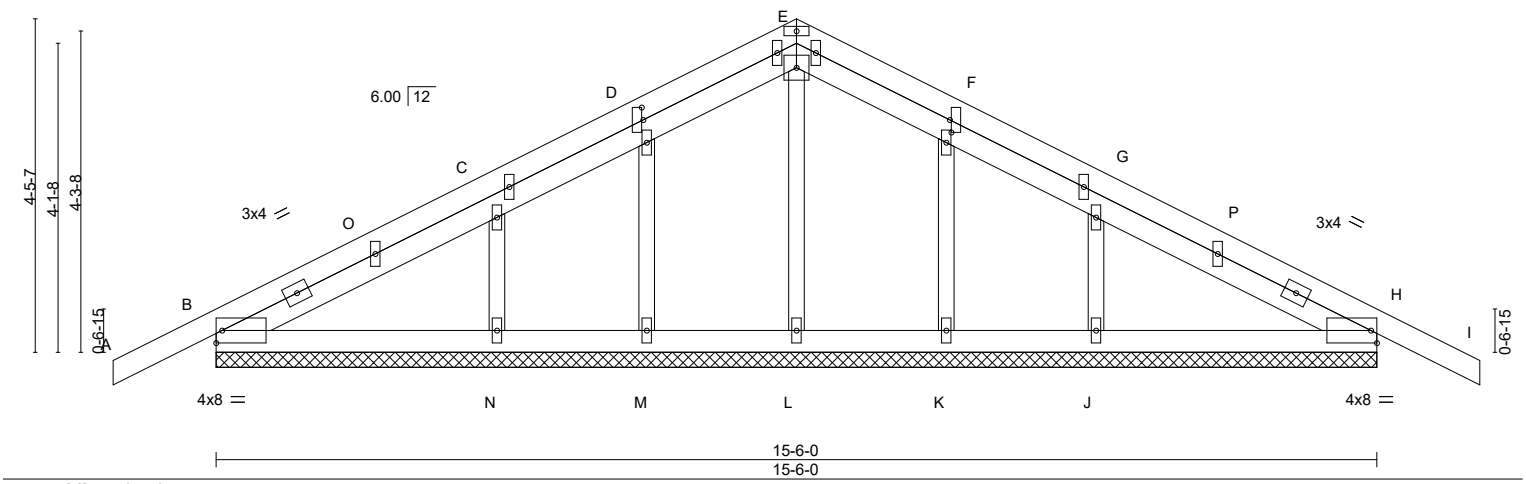


Plate Offsets (X,Y)-- [D:0-2-0,0-0-4], [F:0-2-0,0-0-4]

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	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.08	Vert(CT)	0.00	I	n/r	90		
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							Weight: 70 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. All bearings 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

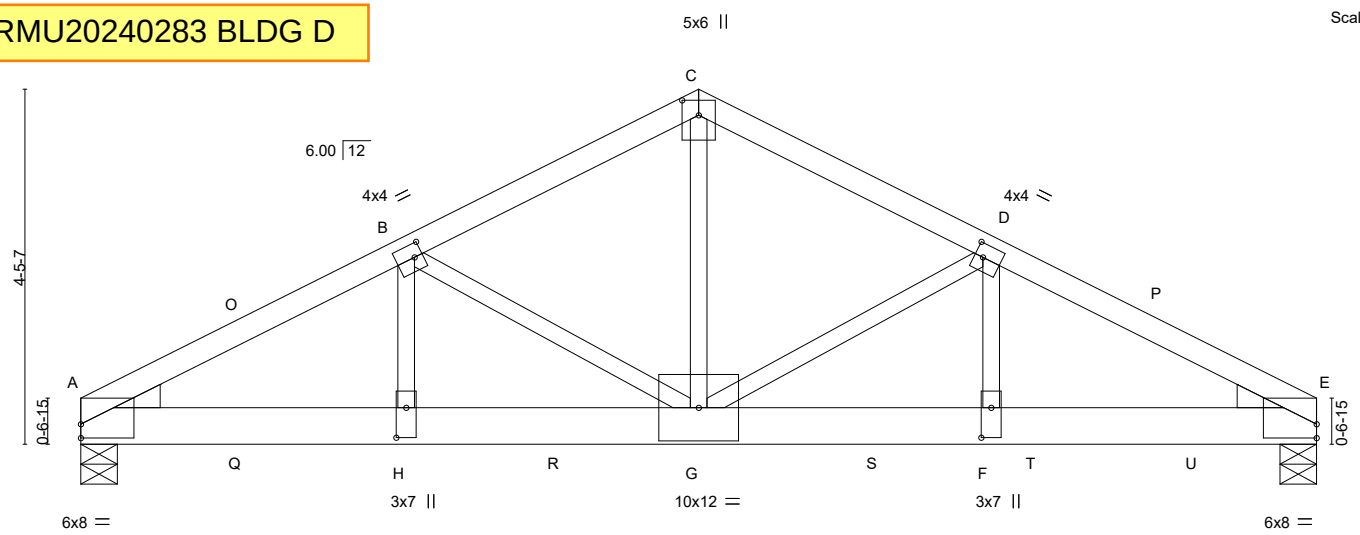
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	G4	Common Girder	2	2	U1530843
					Job Reference (optional)

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_kgkR0vWWVzFlgc-8i8yvq3F?xqU2krabuzD?50Y?r6ktDlYHgrpKuyeVr7

4-1-0	7-9-0	11-5-0	15-6-0
4-1-0	3-8-0	3-8-0	4-1-0

PRMU20240283 BLDG D

Scale = 1:28.9



4-1-0	7-9-0	11-5-0	15-6-0
4-1-0	3-8-0	3-8-0	4-1-0

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-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	-0.11	G-H	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.20	G-H	>917	240		
TCDL	12.0	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.04	E	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.06	G-H	>999	240	Weight: 124 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x3 SPF No.2
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-5 oc purlins.
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=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-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-4-0 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.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for 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) A=614, E=649.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 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.

September 12,2024

LOAD CASE(S) Standard

Continued on page 2

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

LOAD CASE(S) Standard

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

U

PRMU20240283 BLDG D

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)

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 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

PRMU20240283 BLDG D

Scale = 1:50.8

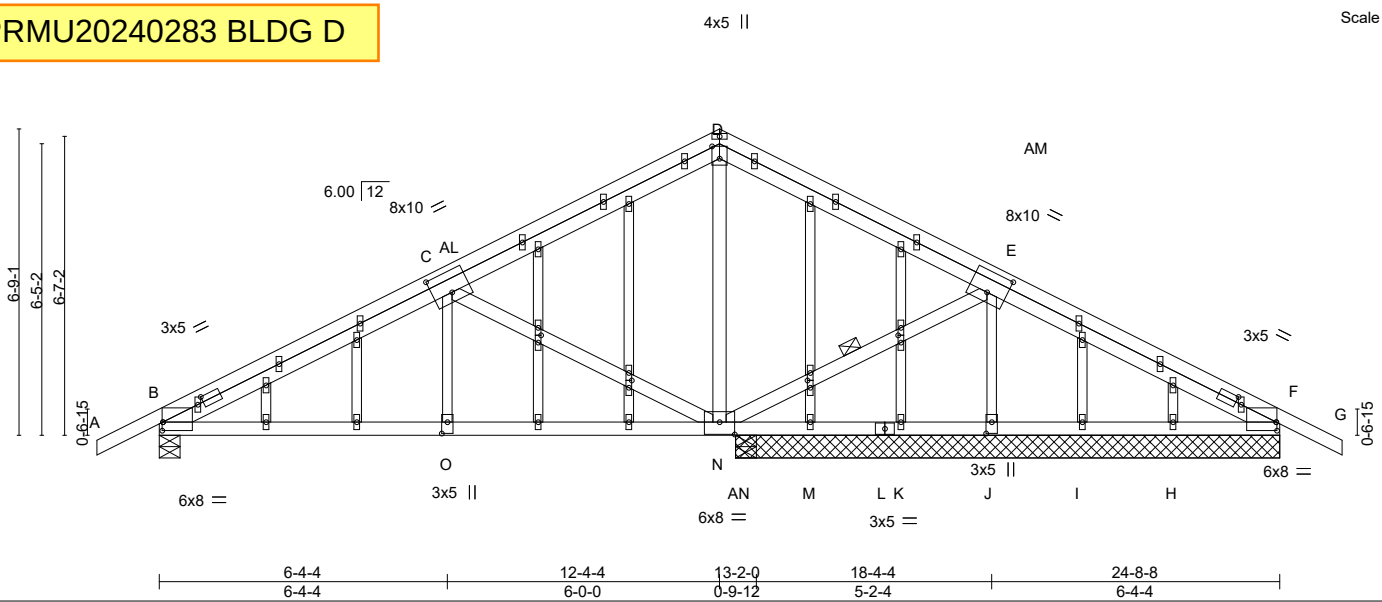


Plate Offsets (X,Y)-- [B:0-0-3,0-2-4], [B:0-11-15,0-1-8], [C:0-5-0,0-5-8], [D:0-3-4,0-2-0], [E:0-5-0,0-5-8], [F:0-11-15,0-1-8], [F:0-0-3,0-2-4], [J:0-3-0,0-1-8], [N:0-4-0,0-3-4], [O:0-3-0,0-1-8], [P:0-1-15,0-0-12], [S:0-1-15,0-0-12], [AA:0-1-15,0-0-12], [AC:0-1-15,0-0-12]

LOADING (psf)		**SPACING-**	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)	-0.08	N-O	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.09	O-AH	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.04	J	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.11	O-AH	>999	240	Weight: 139 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-4-1 oc bracing.
WEBS 1 Row at midpt E-N

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; 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) 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

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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) PRMU20240283 BLDG D ft end and 10408 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at For edge-wise notching, provide at least one tie plate between each notch.

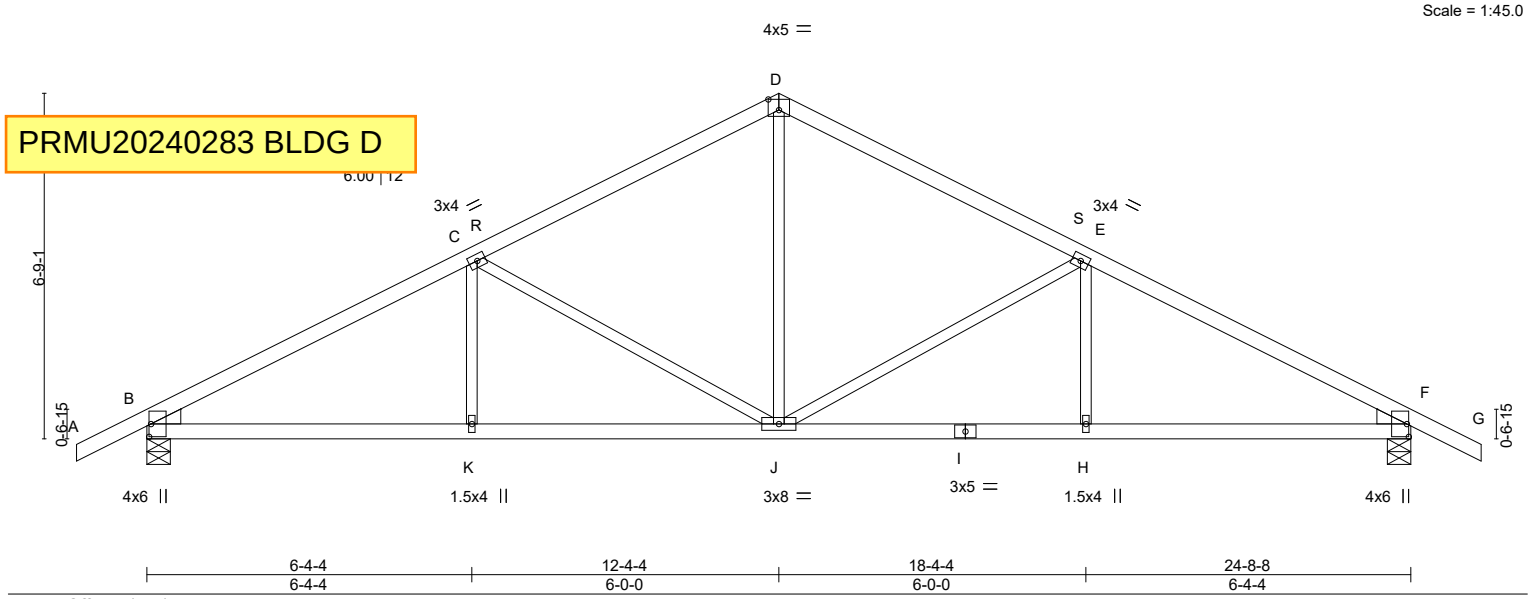
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	H2	Common	7	1	U1530780
					Job Reference (optional)

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?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

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

Scale = 1:45.0

PRMU20240283 BLDG D



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

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-	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)	-0.09	J-K	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.17	J-K	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.06	F	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MS		Wind(LL)	0.04	H-J	>999	240	Weight: 86 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2
WEDGE
Left: 2x4 SPF No.2 , Right: 2x4 SPF No.2

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

REACTIONS. (size) B=0-5-8, F=0-5-8
Max Horz B=-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-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=119, F=119.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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

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?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

4-4-11	8-4-8	12-4-4	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	4-4-11	1-4-8

PRMU20240283 BLDG D

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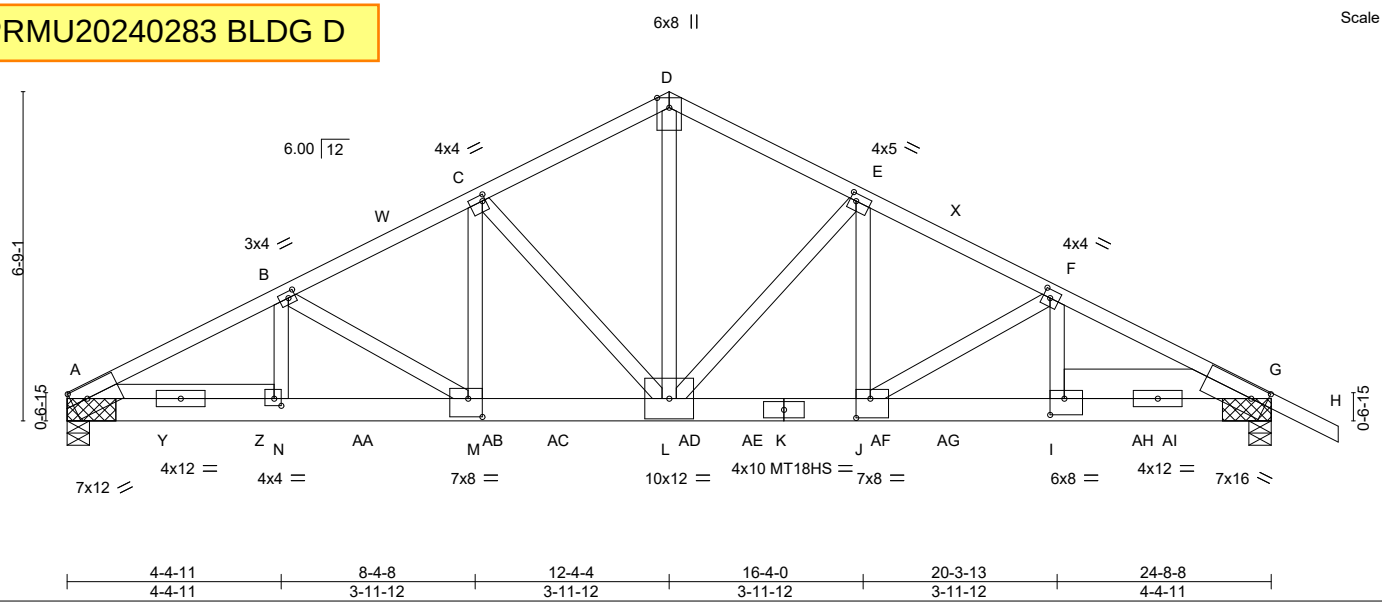

4-4-11	8-4-8	12-4-4	16-4-0	20-3-13	24-8-8
4-4-11	3-11-12	3-11-12	3-11-12	3-11-12	4-4-11

Plate Offsets (X,Y)-- [A:0-3-13,0-3-2], [B:0-1-12,0-1-8], [C:0-0-12,0-1-8], [E:0-1-8,0-1-12], [F:0-1-12,0-2-0], [G:0-3-13,0-3-2], [I:0-3-8,0-4-0], [J:0-3-8,0-4-12], [M:0-3-8,0-4-8], [N: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	0.93	Vert(LL)	-0.21	L-M	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.39	L-M	>753	240	MT18HS	220/195
TCDL	12.0	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.08	G	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.11	L-M	>999	240	Weight: 302 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2 *Except*
D-H: 2x4 SPF 2100F 1.8E
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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-1-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-3-0 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.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 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.
4) 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.
5) 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
6) 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
7) Unbalanced snow loads have been considered for this design.
8) 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.
9) All plates are MT20 plates unless otherwise indicated.
10) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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 22-7-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

PRMU20240283 BLDG D

LOA

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)

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	K1	GABLE	13	2	U1530844
					Job Reference (optional)

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-cviL6A4tmEyLguQm9bUSXlYiWFQXcjzhWKaMsKyeVr6

PRMU20240283 BLDG D

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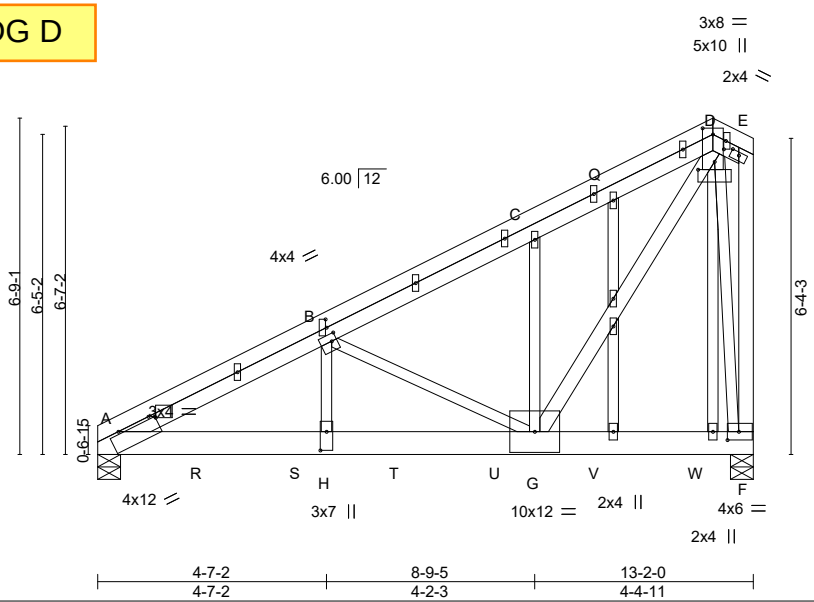

Plate Offsets (X,Y)-- [A:0-9-8,0-0-10], [B:0-1-4,0-1-12], [B:0-2-0,0-0-4], [D:0-4-0,0-1-15], [D:0-1-8,0-2-8], [D:0-2-0,0-0-8], [E:0-2-0,0-0-12], [F:0-2-12,0-2-0], [H:0-4-8,0-1-8], [O:0-1-12,0-0-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.10	G-H	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.17	G-H	>878	240		
TCDL	12.0	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.02	F	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.05	G-H	>999	240	Weight: 175 lb	FT = 20%
BCDL	10.0											

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-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 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.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) 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.
5) 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
6) Unbalanced snow loads have been considered for this design.
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.
11) 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.
12) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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 top chord. The connection device(s) is the responsibility of others.

PRMU20240283 BLDG D

14) [illegible] 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)

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	K2	GABLE	13	1	U1530845
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:08 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-45GjKV5VXY4CH1?zjJ0h4W5tDfnILKvrk_KvPmyeVr5

PRMU20240283 BLDG D

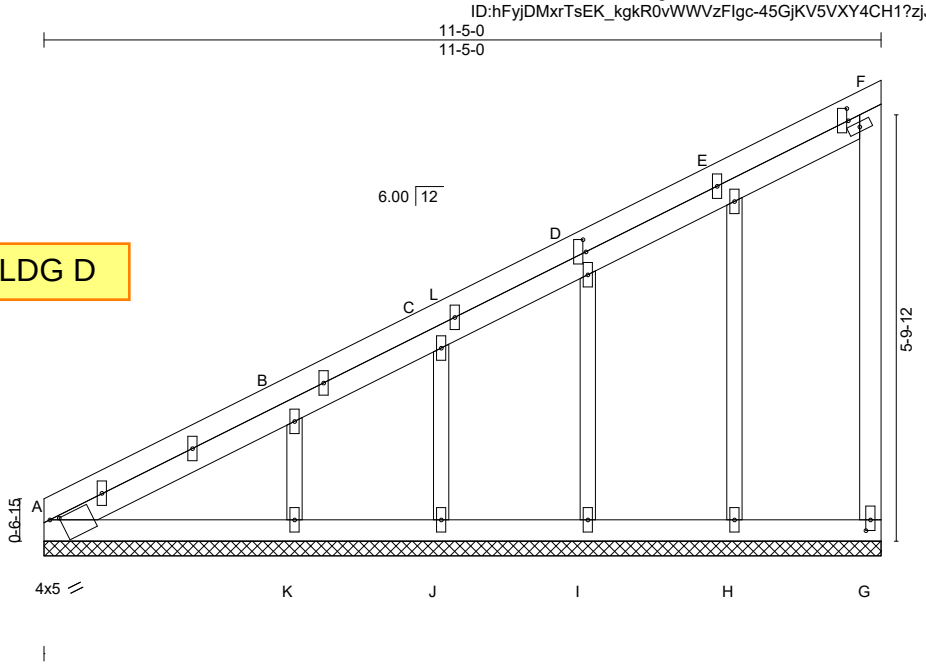

Plate Offsets (X,Y)-- [A:0-1-8,0-0-7], [D:0-2-0,0-0-8], [F:0-2-0,0-0-4], [G:0-1-12,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.55	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)	-0.03	G	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 58 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-6-11 oc bracing.

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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. Thu Sep 12 02:47:31 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

PRMU20240283 BLDG D

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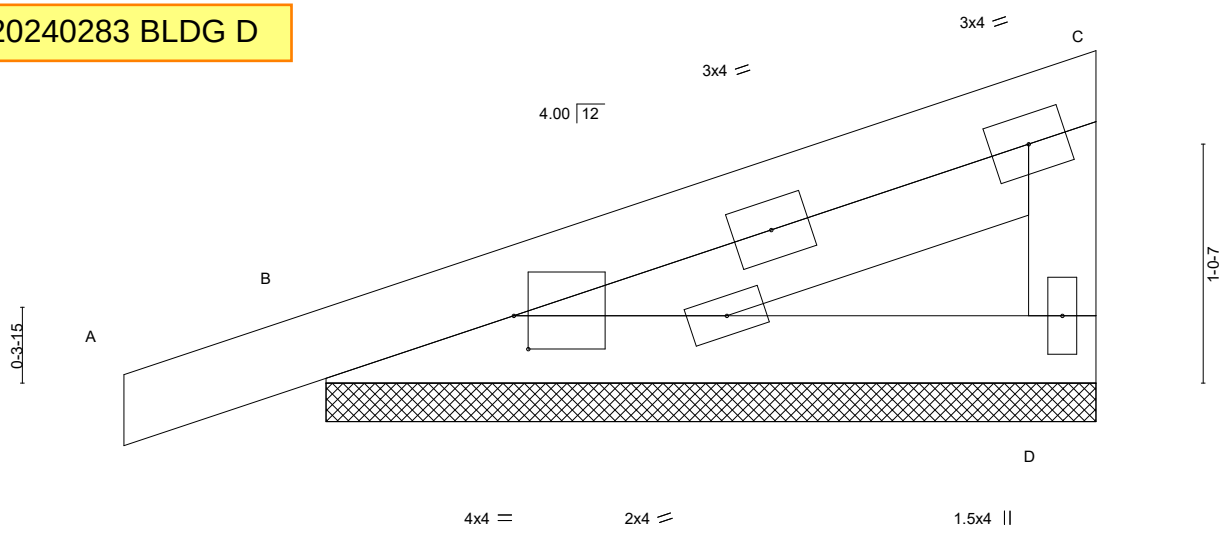

Plate Offsets (X,Y)-- [B:0-0-12,0-1-12]

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	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.10	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: 13 lb	FT = 20%
BCDL	10.0											

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 3-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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-
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) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) B.
12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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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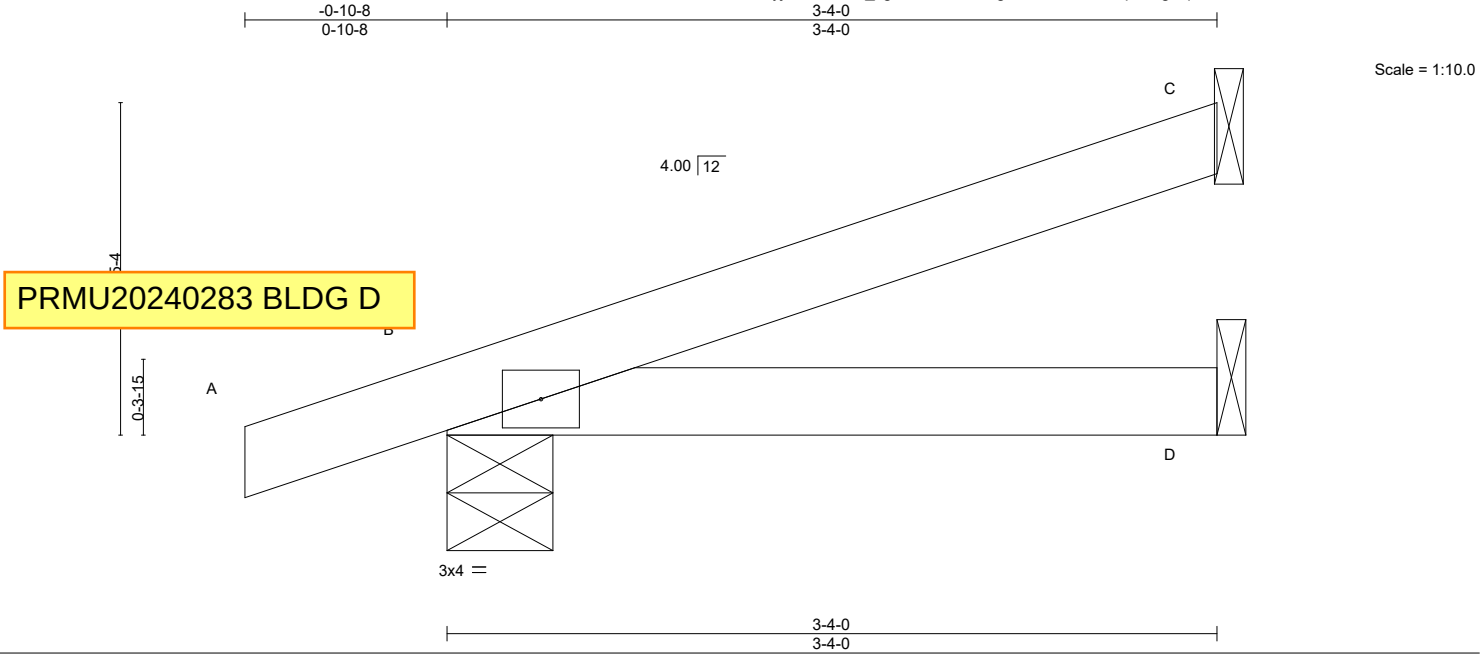

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	D-G	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.02	D-G	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	B	n/a	n/a		
BCLL	0.0 *	Code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

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-0 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

-0-10-8 4-1-8
0-10-8 4-1-8

PRMU20240283 BLDG D

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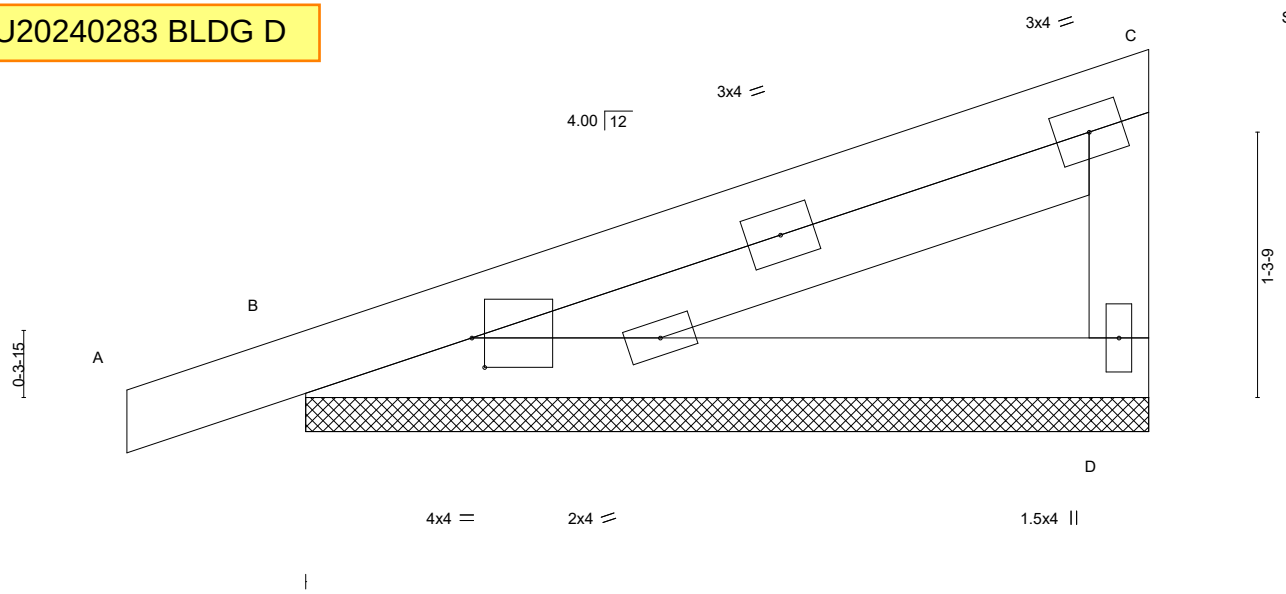

Plate Offsets (X,Y)-- [B:0-0-12,0-1-12]

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-
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 4-1-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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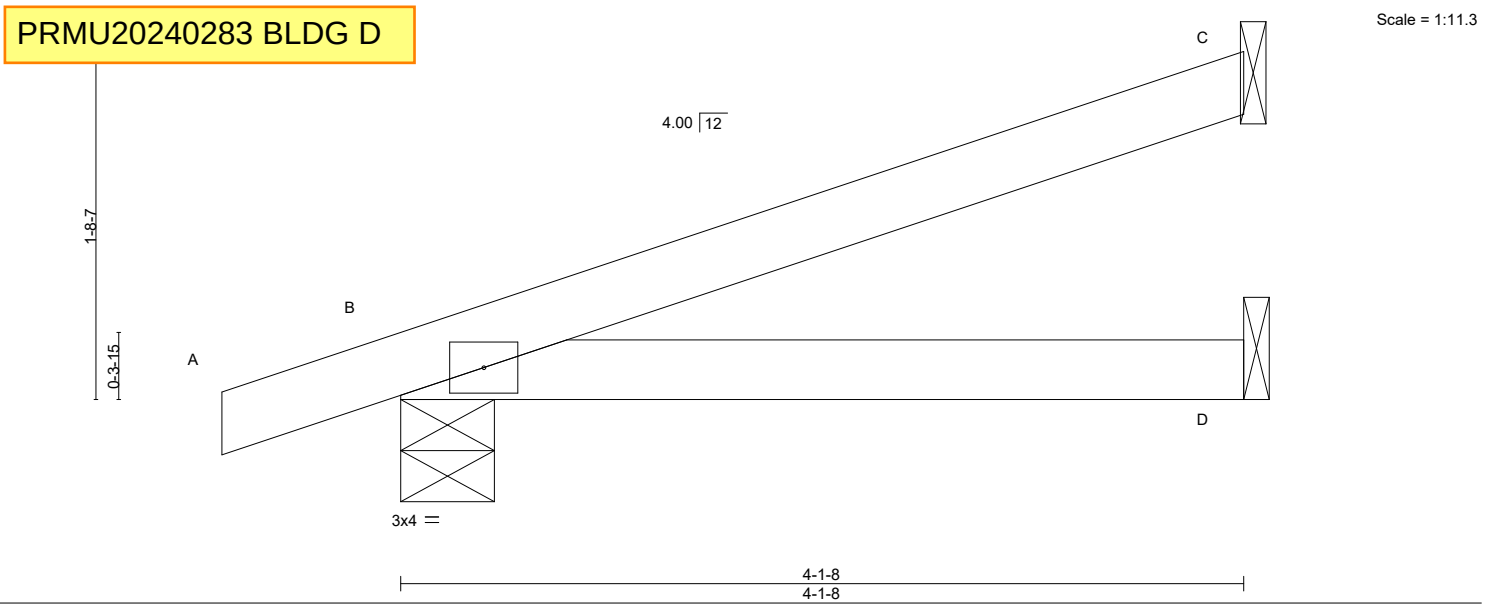

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.02	D-G	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.04	D-G	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	B	n/a	n/a		
BCLL	0.0 *	Code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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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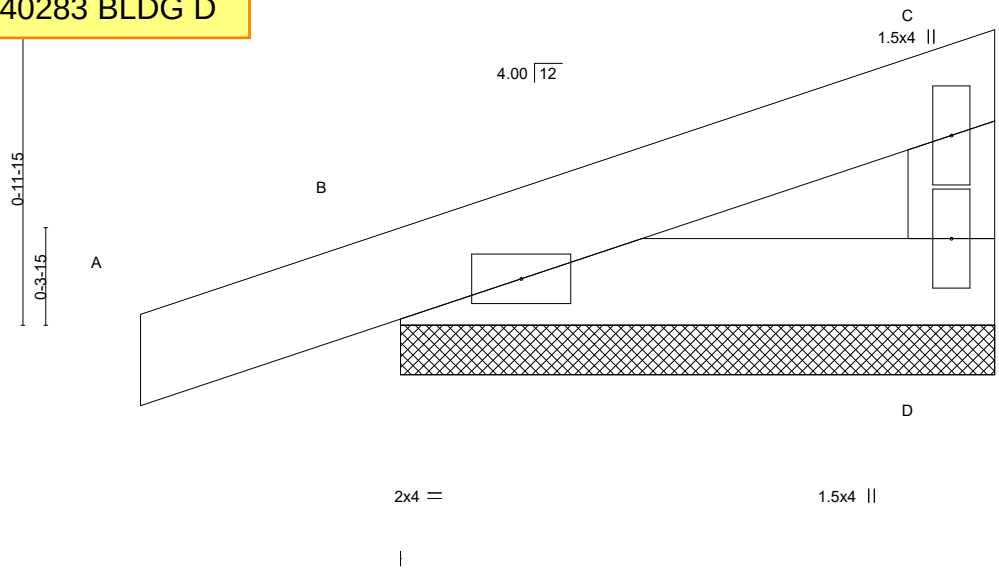

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	0.00	A	n/r	120	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	A	n/r	90		
TCDL	12.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	D	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 6 lb	FT = 20%
BCDL	10.0											

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 2-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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-
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
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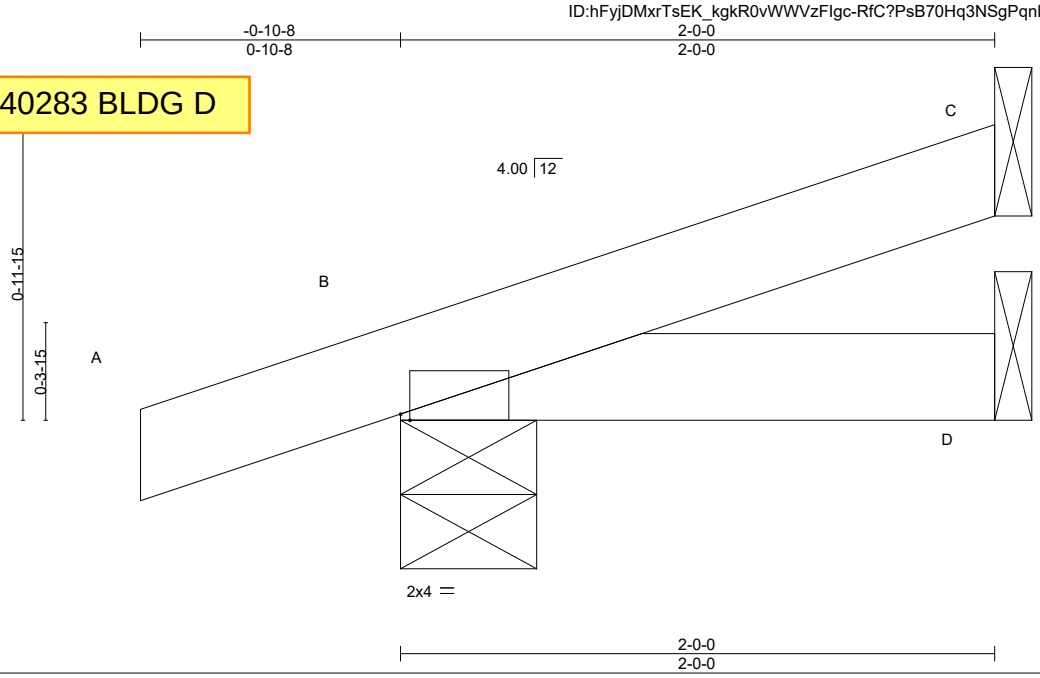

Plate Offsets (X,Y)-- [B:0-0-6,Edge]

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	0.15	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-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, D.
9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
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PRMU20240283 BLDG D

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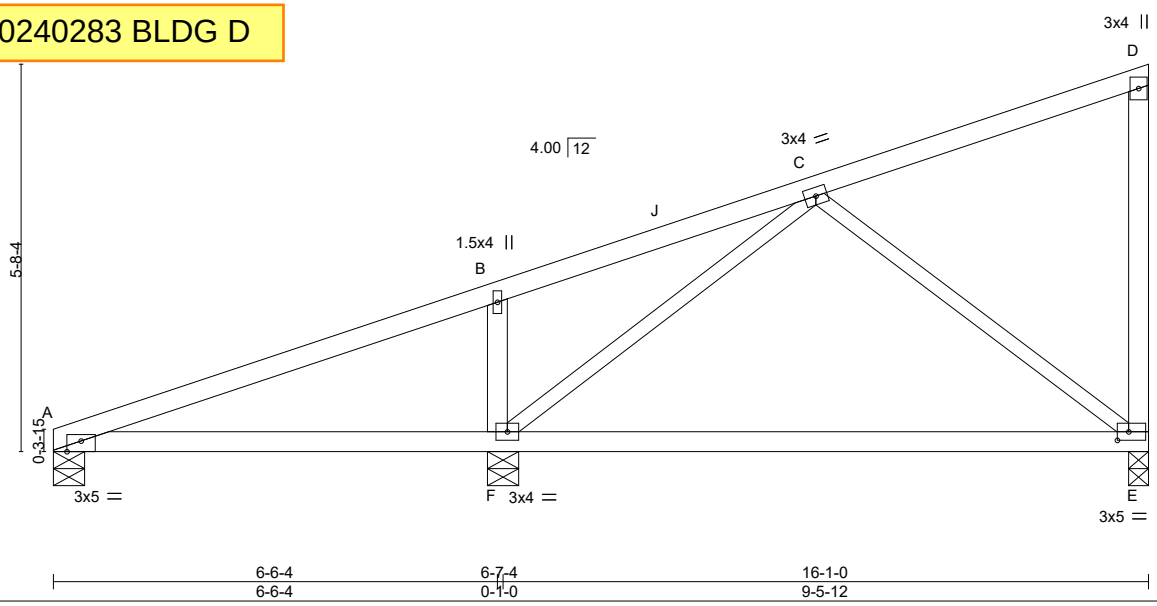


Plate Offsets (X,Y)-- [A:0-2-8,Edge], [E:0-2-0,0-1-8]

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	0.43	Vert(LL)	-0.21	E-F	>545	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.40	E-F	>283	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.01	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.04	F-I	>999	240	Weight: 55 lb	FT = 20%
BCDL	10.0											

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

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

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-
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 100 lb uplift at joint(s) A, F, 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

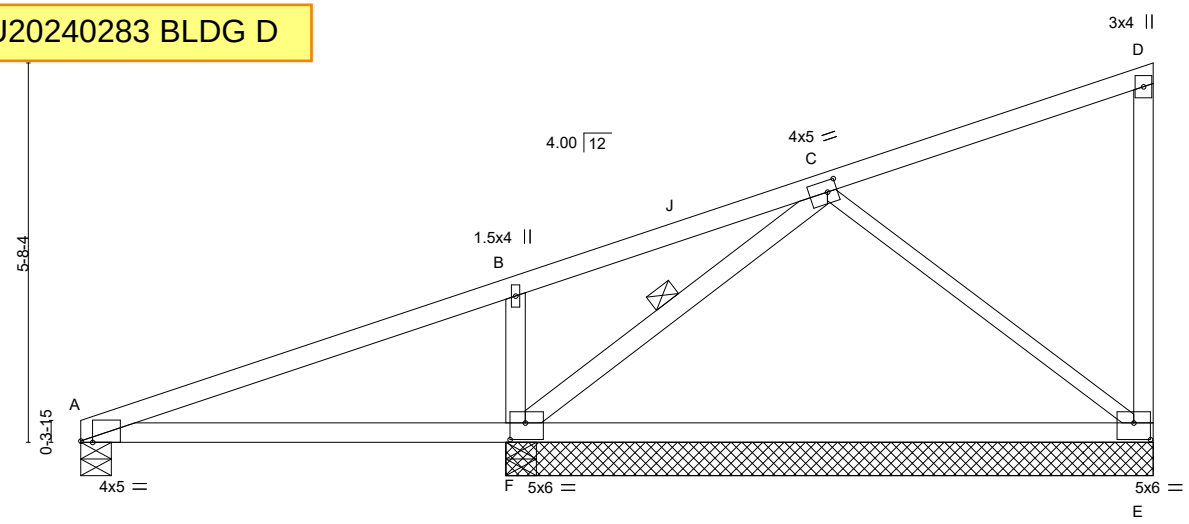
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	M2	Monopitch	44	1	U1530847
					Job Reference (optional)

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_kgkR0vWWVzFlgc-YHq5Xr57HrC3vBa9G0Xwcje5G3274bb_ze3TxDyeVr4

6-6-4 | 11-2-6 | 16-1-0
6-6-4 | 4-8-2 | 4-10-10

PRMU20240283 BLDG D

Scale = 1:34.6



6-6-4 | 6-7-4 | 16-1-0
6-6-4 | 0-1-0 | 9-5-12

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]

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	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.40	E-F	>283	240		
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	Weight: 57 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt C-F

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

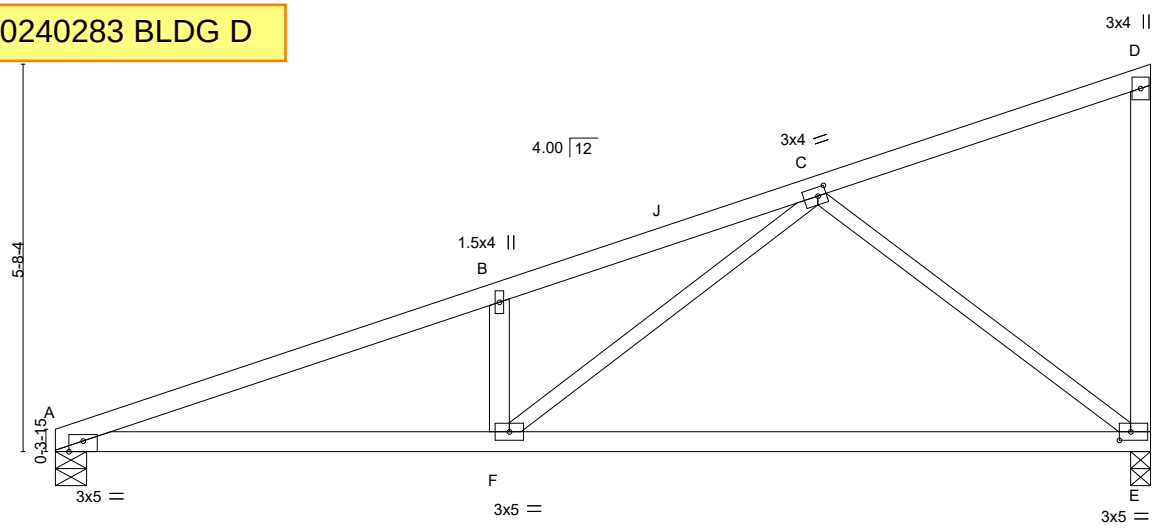
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	M3	Monopitch	44	1	U1530848
					Job Reference (optional)

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
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-1UOTlB6l29KvXL8Lqk299xADOSQYp1G8CIp0TfyeVr3

6-6-4 | 11-2-6 | 16-1-0
6-6-4 | 4-8-2 | 4-10-10

PRMU20240283 BLDG D

Scale = 1:33.8



6-6-4 | 16-1-0
6-6-4 | 9-6-12

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-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	-0.23	E-F	>845	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.46	E-F	>418	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.03	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.06	F-I	>999	240	Weight: 55 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) A=0-5-8, E=0-3-8
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

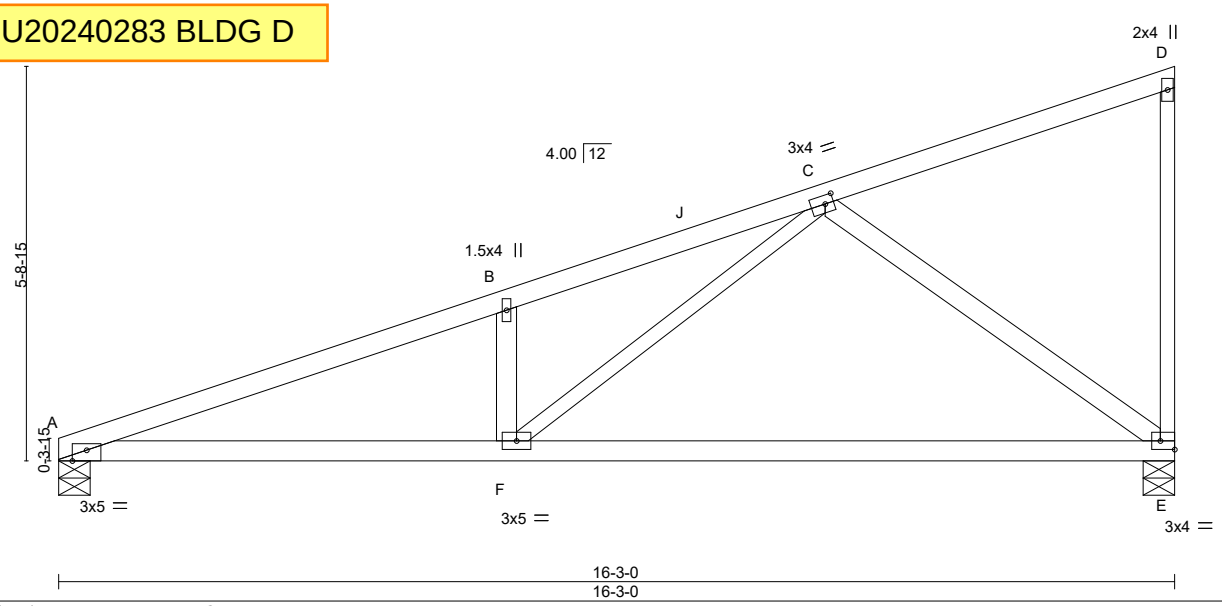
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	M4	MONOPITCH	4	1	U1530849
					Job Reference (optional)

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
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-1UOTlB6l29KvXL8Lqk299xADHSPAp468CIp0TfyeVr3

5-10-11 | 11-1-15 | 16-3-0
5-10-11 | 5-3-4 | 5-1-1

PRMU20240283 BLDG D

Scale = 1:33.5



16-3-0
16-3-0

Plate Offsets (X,Y)-- [A:0-2-8,Edge], [C:0-1-8,0-1-8], [E:Edge,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	0.54	Vert(LL)	-0.27	E-F	>725	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.54	E-F	>360	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.03	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.06	F-I	>999	240	Weight: 56 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
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

MiTek
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)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:11 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-VgxryX7NpTSm8VjYORZOh8jPfssKYelHRyYa?5yeVr2

PRMU20240283 BLDG D

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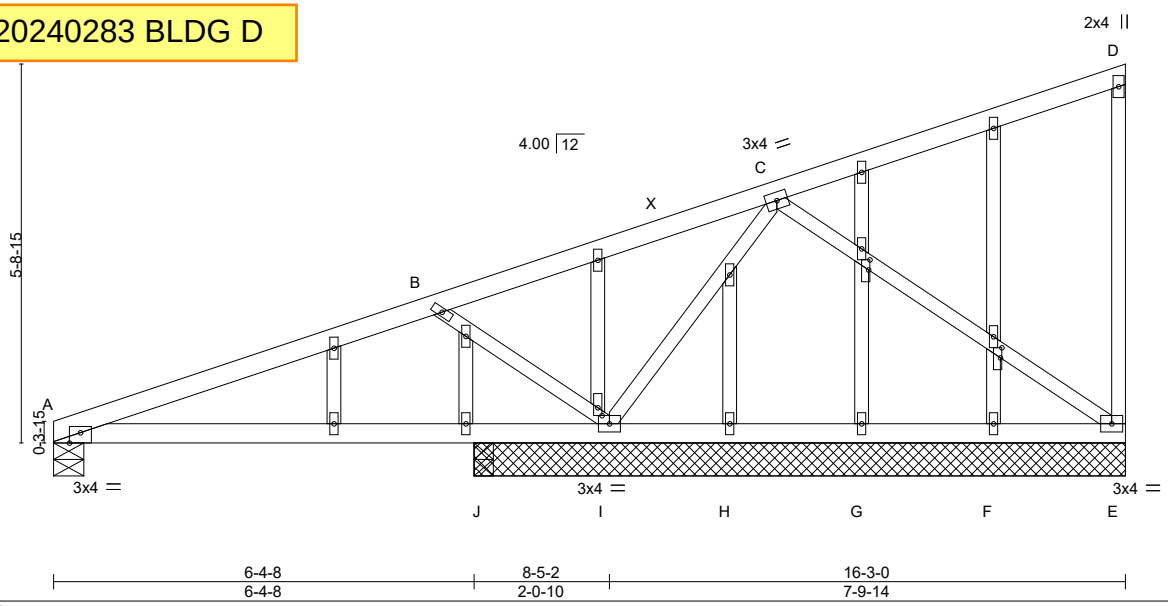


Plate Offsets (X,Y)-- [A:0-2-0,Edge], [I:0-1-7,0-0-12], [L:0-1-13,0-0-4], [N:0-1-13,0-0-4]

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	0.50	Vert(LL)	-0.04	J-W	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.09	J-W	>836	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.01	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.03	J-W	>999	240	Weight: 66 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. 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

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) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

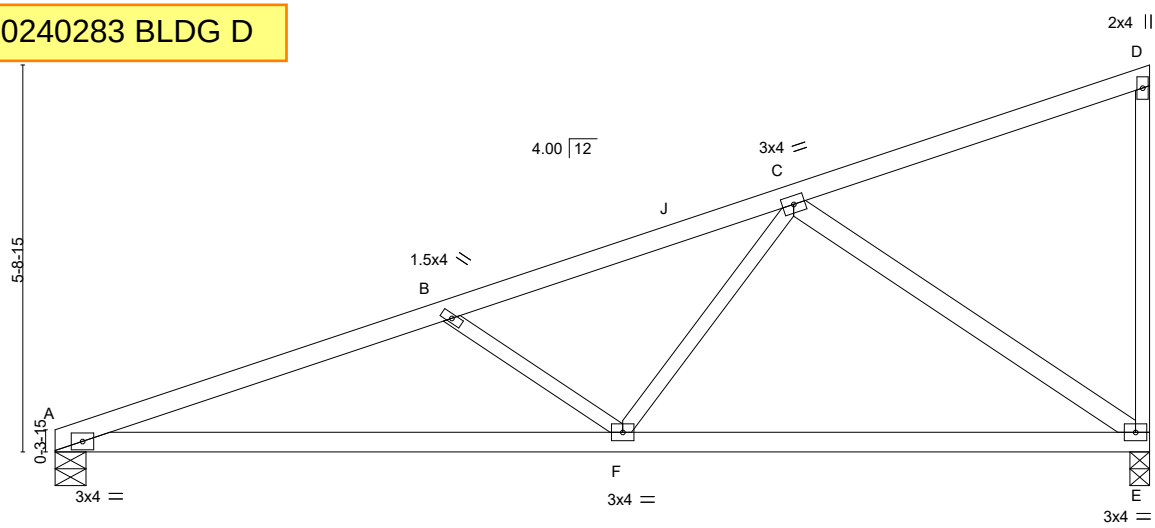
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	M6	MONOPITCH	4	1	U1530851
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:11 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-VgxryX7NpTSm8VjYORZOh8jP1sn3YWDHRyYa?5yeVr2

5-10-11 | 10-11-9 | 16-3-0
5-10-11 | 5-0-15 | 5-3-7

PRMU20240283 BLDG D

Scale = 1:34.2



8-5-2 | 16-3-0
8-5-2 | 7-9-14

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	0.48	Vert(LL)	-0.10	F-I	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.22	F-I	>876	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.03	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.06	F-I	>999	240	Weight: 55 lb	FT = 20%
BCDL	10.0											

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

BRACING-
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.

REACTIONS. (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)

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

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 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	N1	MONOPITCH SUPPORTED	48	1	U1530852
					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
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-zsVDAt8?amadmflky94dEMGdCGFgH9ZQfcl7YYyeVr1

PRMU20240283 BLDG D

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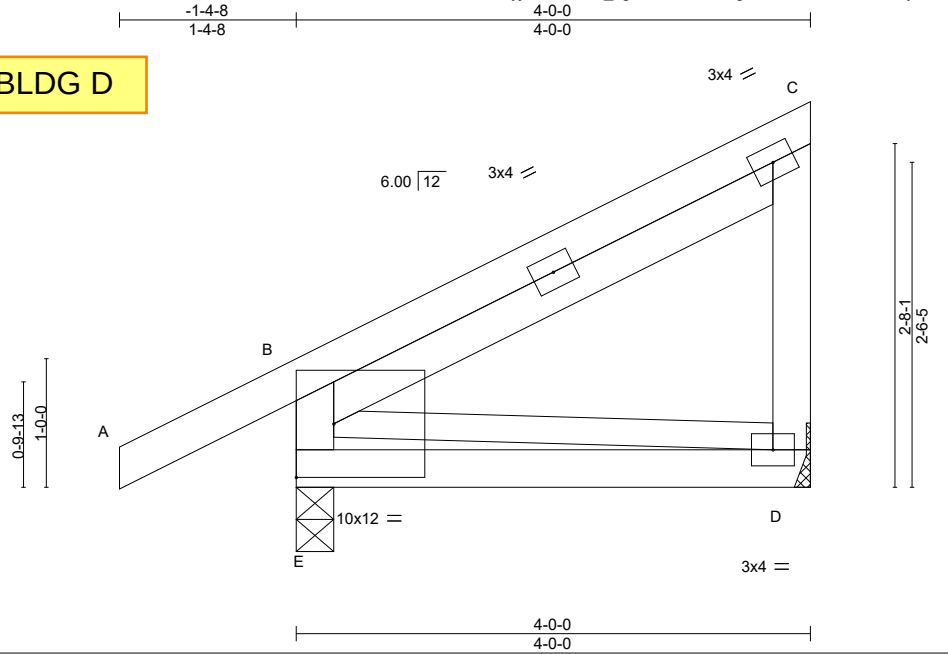

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.01	D-E	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	D-E	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	D	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MP		Wind(LL)	0.00	E	****	240	Weight: 22 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-zsVDAt8?amadmflky94dEMGZtGEMH9VQfcI7YYyeVr1

PRMU20240283 BLDG D

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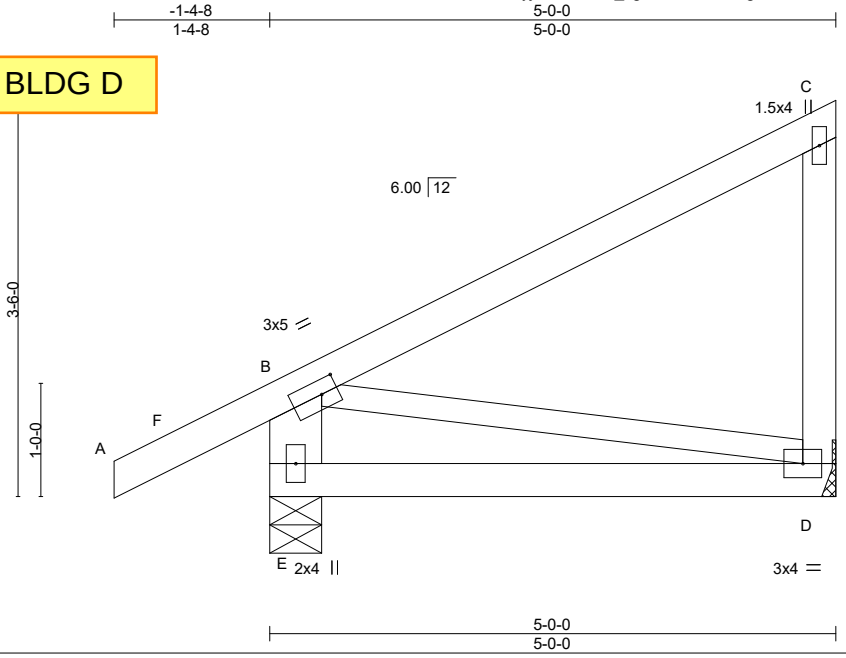


Plate Offsets (X,Y)-- [B:0-1-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	-0.03	D-E	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.05	D-E	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	D	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-MP		Wind(LL)	0.00	E	****	240	Weight: 22 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
B-E: 2x6 SPF No.2, B-D: 2x3 SPF No.2

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

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

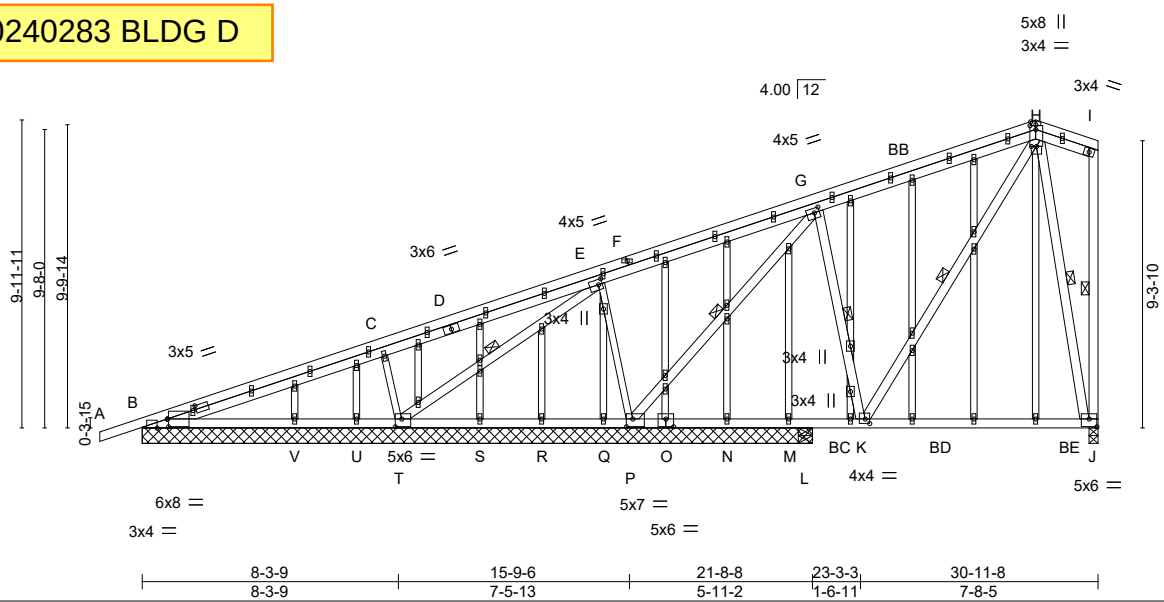
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	P1	GABLE	7	1	U1530854
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:14 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-vFd_bZ9G6OqL?zS73Z65JnLs14pLlqDj7wnEcQyeVr?

1-4-8	7-10-2	14-10-8	21-10-14	28-11-4	30-11-8
1-4-8	7-10-2	7-0-6	7-0-6	7-0-6	2-0-4

PRMU20240283 BLDG D

Scale = 1:74.6



8-3-9	15-9-6	21-8-8	23-3-3	30-11-8
8-3-9	7-5-13	5-11-2	1-6-11	7-8-5

Plate Offsets (X,Y)-- [B:0-0-7,0-3-0], [B:0-11-12,0-1-8], [B:0-4-0,Edge], [E:0-1-8,0-2-0], [G:0-2-0,0-1-12], [H:0-1-8,0-2-4], [H:0-2-0,0-0-0], [H:0-2-0,Edge], [J:0-3-0,0-3-0], [K:0-1-12,0-1-12], [O:0-3-0,0-3-0], [P:0-2-8,0-3-0], [T:0-2-8,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	25.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.16	J-K	>692	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.26	J-K	>432	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.97	Horz(CT)	-0.02	N	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.04	V-BA	>999	240	Weight: 226 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-9-8 oc bracing.
WEBS 1 Row at midpt E-T, G-P, G-K, H-K, I-J, H-J

REACTIONS. All bearings 21-8-8 except (jt=length) J=0-3-8, L=0-5-8.
(lb) - Max Horz B=754(LC 35)
Max Uplift All uplift 100 lb or less at joint(s) M, U, V except B=-1006(LC 32), T=-1651(LC 40), P=-1094(LC 32), J=-1170(LC 33), L=-198(LC 19)
Max Grav All reactions 250 lb or less at joint(s) M, N, Q, R, S, U, L except B=1117(LC 27), T=1750(LC 53), P=1693(LC 29), J=1557(LC 26), V=330(LC 26), B=481(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-2932/2749, C-E=-966/930, E-G=-1569/1477, G-H=-1624/1472, H-I=-529/553
BOT CHORD B-V=-2174/2051, U-V=-1082/954, T-U=-393/270, S-T=-1915/1800, R-S=-1022/908, Q-R=-592/477, P-Q=-891/776, N-P=-903/1006, M-N=-1023/1097, L-M=-1209/1282, K-L=-1209/1282, J-K=-293/295
WEBS C-T=-539/202, E-T=-2562/2500, E-P=-943/931, G-P=-2452/2236, G-K=-1136/1260, H-K=-1336/1472, H-J=-1456/1228

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) M, U, V except (jt=lb) B=1006, T=1651, P=1094, J=1170, L=198, B=1006.

September 12,2024

Continued on page 2

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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

PRMU20240283 BLDG D

13) ft 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.

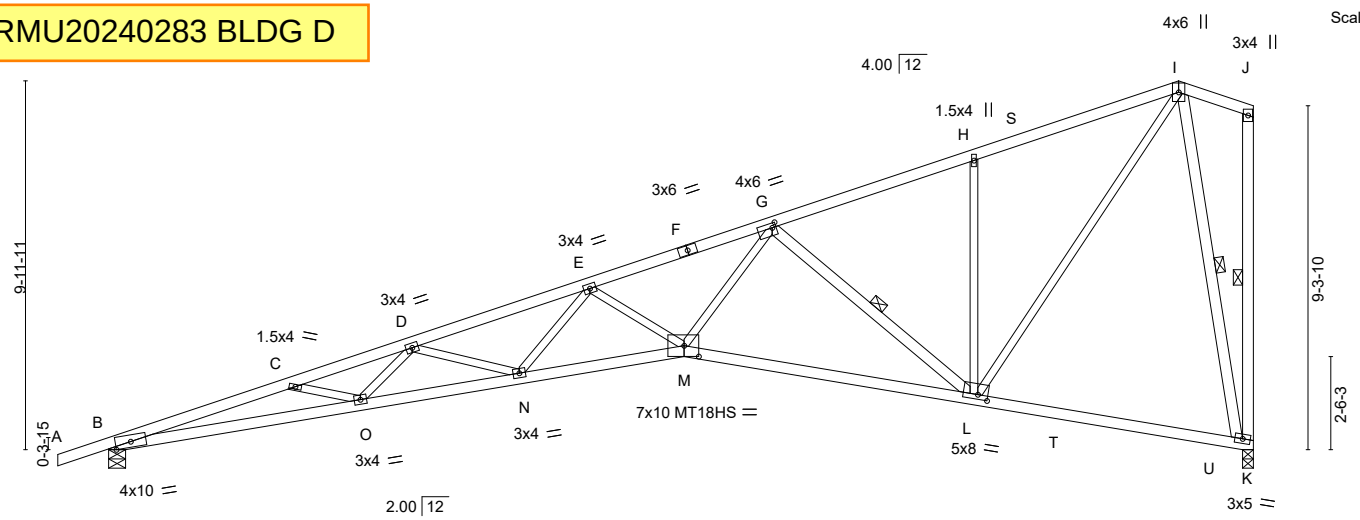
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	P2A	Scissor	38	1	U1530855
					Job Reference (optional)

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
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-NRBMovAuthyCd61JdHeKs_u3ET5VUJXtLZWn9syeVr_

-1-4-8	5-0-9	8-2-8	13-0-3	17-11-5	23-4-13	28-11-4	30-11-8
1-4-8	5-0-9	3-1-15	4-9-11	4-11-3	5-5-8	5-6-7	2-0-4

PRMU20240283 BLDG D

Scale = 1:62.3



6-9-11	11-1-4	15-6-12	23-4-13	30-11-8
6-9-11	4-3-9	4-5-8	7-10-1	7-6-11

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]

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	0.59	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	Weight: 131 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2 *Except*
A-F: 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
G-L,J-K,I-K: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-4-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-6 oc bracing.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

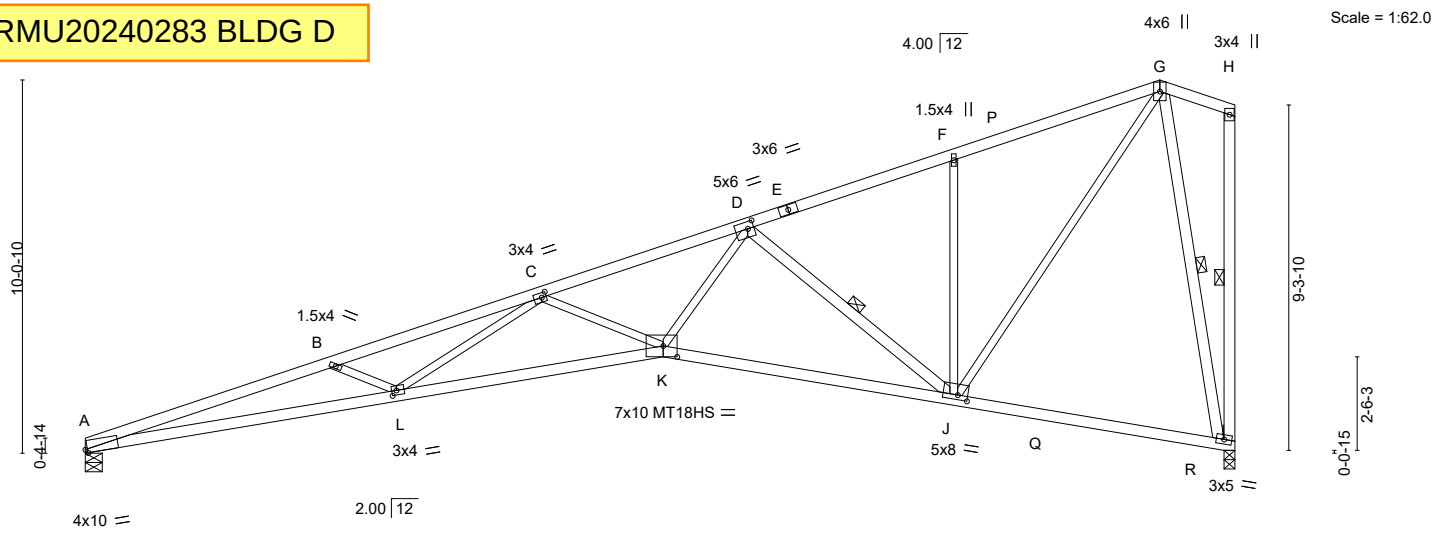
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	P3A	Scissor	4	1	U1530856
					Job Reference (optional)

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_kgkR0vWWVzFIgc-rdlk?FBWe?43FGcVB_9ZOCQC5tRJDms0aDGLgJyeVqz

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

PRMU20240283 BLDG D

Scale = 1:62.0



8-4-8	15-6-12	23-4-11	30-11-8
8-4-8	7-2-4	7-9-15	7-6-13

Plate Offsets (X,Y)-- [A:0-0-11,Edge], [C:0-1-8,0-1-8], [D:0-2-0,0-2-4], [J:0-3-4,0-1-8], [K:0-4-8,0-3-8], [L:0-1-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.59	K-L	>623	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.86	Vert(CT)	-1.09	K-L	>339	240	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.45	I	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.32	K-L	>999	240	Weight: 127 lb	FT = 20%
BCDL	10.0											

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-3-2 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 8-2-2 oc bracing.
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-

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) I 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, I=186.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

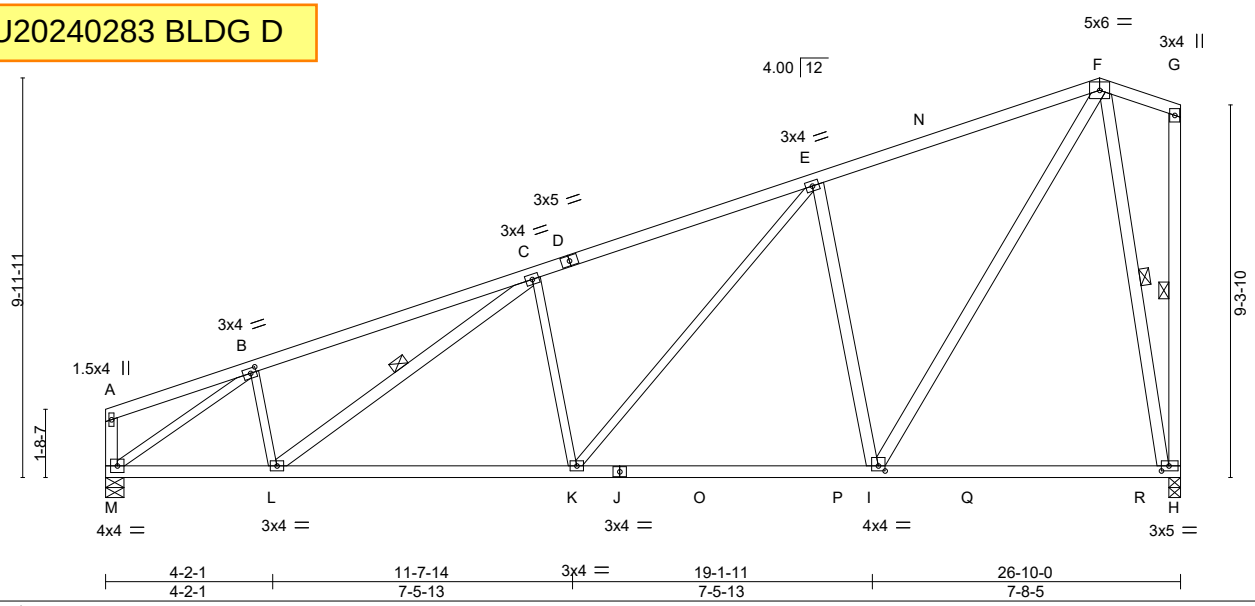
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	P4	Common	25	1	U1530788
					Job Reference (optional)

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?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

3-8-10	10-9-0	17-9-6	24-9-12	26-10-0
3-8-10	7-0-6	7-0-6	7-0-6	2-0-4

PRMU20240283 BLDG D

Scale = 1:57.5



4-2-1	11-7-14	19-1-11	26-10-0
4-2-1	7-5-13	7-5-13	7-8-5

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]

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	Weight: 132 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
B-L,C-K,E-K,B-M: 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt C-L, G-H, F-H

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

PRMU20240283 BLDG D

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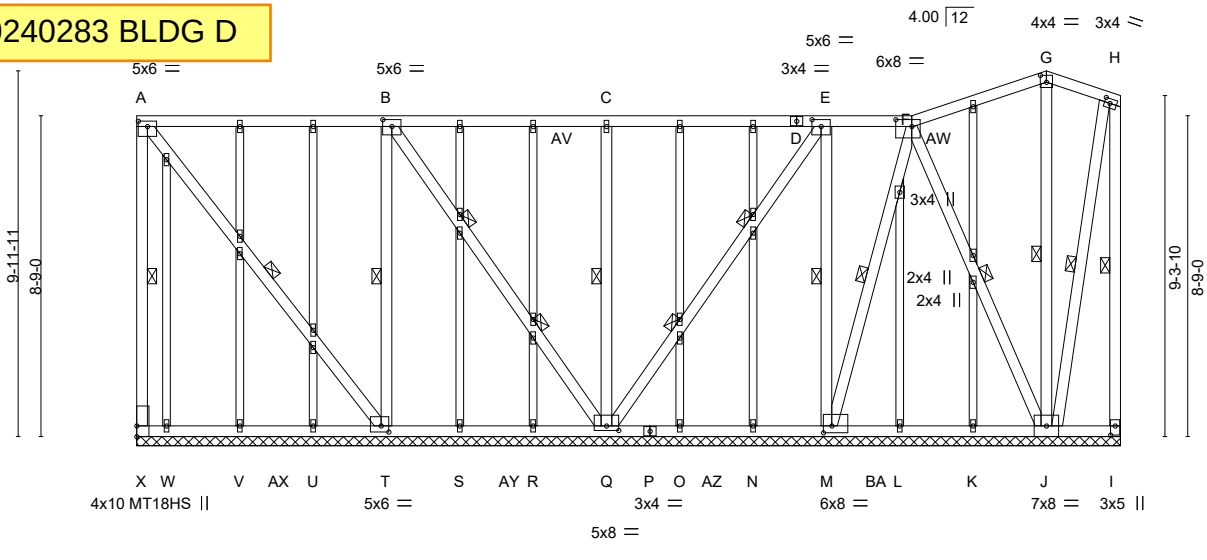

Plate Offsets (X,Y)-- [A:0-3-0,0-1-12], [B:0-3-0,0-2-4], [E:0-3-0,0-2-4], [F:0-5-4,0-2-4], [G:0-2-0,0-2-4], [H:0-1-12,0-1-8], [I:0-3-0,0-1-8], [M:0-2-12,0-2-4], [Q:0-4-0,0-1-8], [T:0-2-8,0-2-0]

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	0.85	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.33	Vert(CT)	n/a	-	n/a	999	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.98	Horz(CT)	-0.01	Q	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 242 lb	FT = 20%
BCDL	10.0											

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

BRACING-
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

REACTIONS. 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)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
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=-294/311, H-I=-848/853
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-Q=-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

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) 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

Continued on page 2

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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.

PRMU20240283 BLDG D

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 02:47:38 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

PRMU20240283 BLDG D

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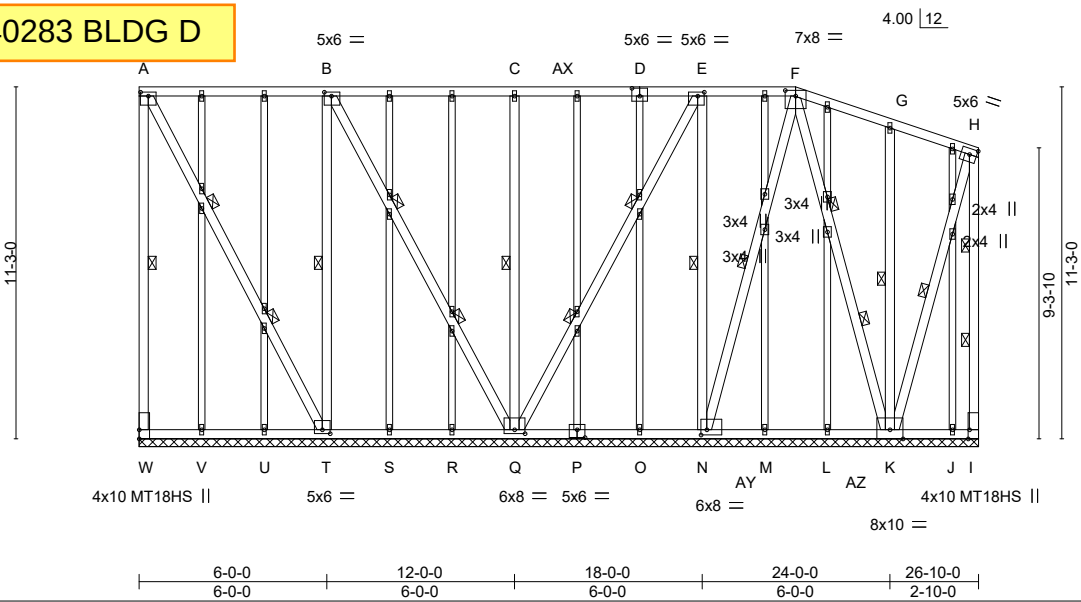


Plate Offsets (X,Y)-- [A:0-3-0,0-1-8], [B:0-2-12,0-1-8], [D:0-3-0,0-3-0], [E:0-2-8,0-1-8], [F:0-4-0,0-2-3], [H:0-2-12,0-2-4], [I:0-3-8,Edge], [N:0-2-4,0-2-0], [P:0-3-0,0-3-0], [Q:0-4-0,0-1-8], [T:0-3-0,0-1-8]

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	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.33	Vert(CT)	n/a	-	n/a	999	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.02	Q	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 283 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-8-5 oc bracing.
WEBS 1 Row at midpt A-W, B-T, C-Q, E-N, F-N, G-K, H-K
2 Rows at 1/3 pts A-T, B-Q, E-Q, F-K, H-I

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

Continued on page 2

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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 L, 1788 lb uplift at joint K and 138 lb uplift at joint J.

13) PRMU20240283 BLDG D International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

14) f 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.

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	P7	Common	24	1	U1530791
					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 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

PRMU20240283 BLDG D

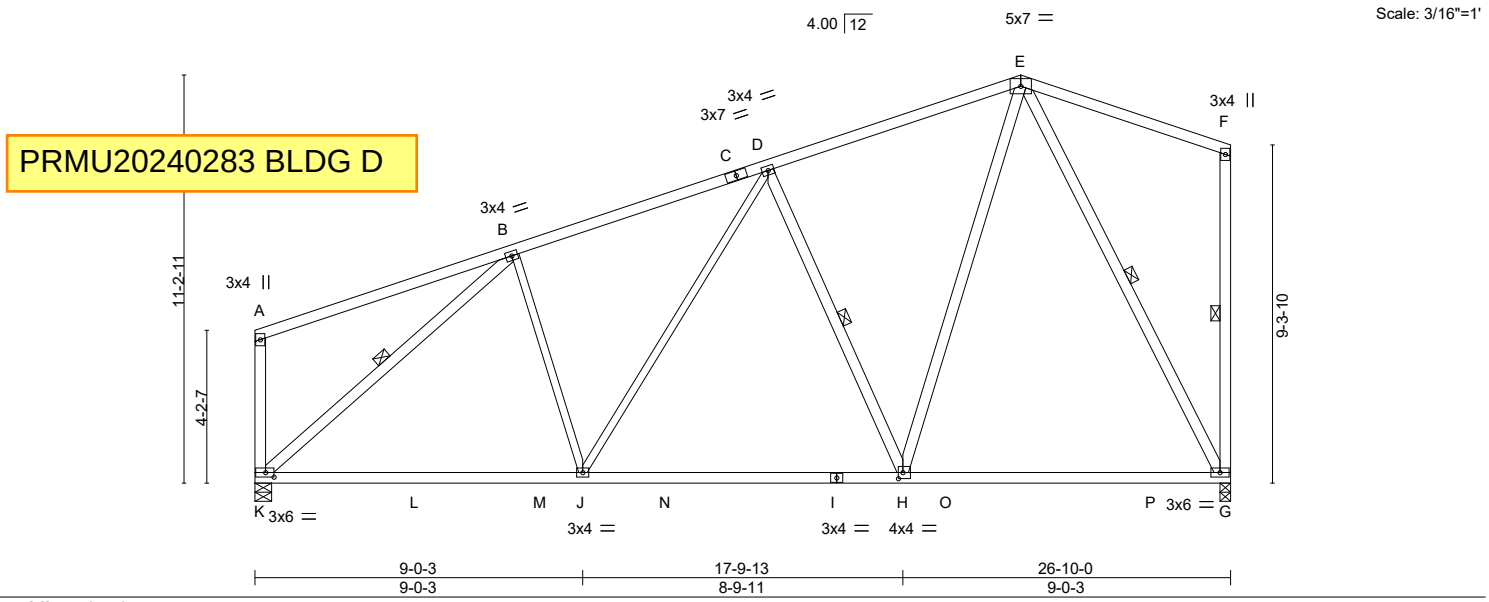


Plate Offsets (X,Y)-- [H:0-1-8,0-2-0], [K:0-2-12,0-1-8]

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

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
B-J,D-J: 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 10-0-0 oc bracing.
WEBS 1 Row at midpt D-H, B-K, F-G, E-G

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:17 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-JqJ6DaC8PJCwsQBhkigoxPzNtHlzyBV9pt?uClyeVqy

6-5-7	12-8-6	18-11-5	25-2-4	30-11-8
6-5-7	6-2-15	6-2-15	6-2-15	5-9-4

PRMU20240283 BLDG D

Scale = 1:72.7

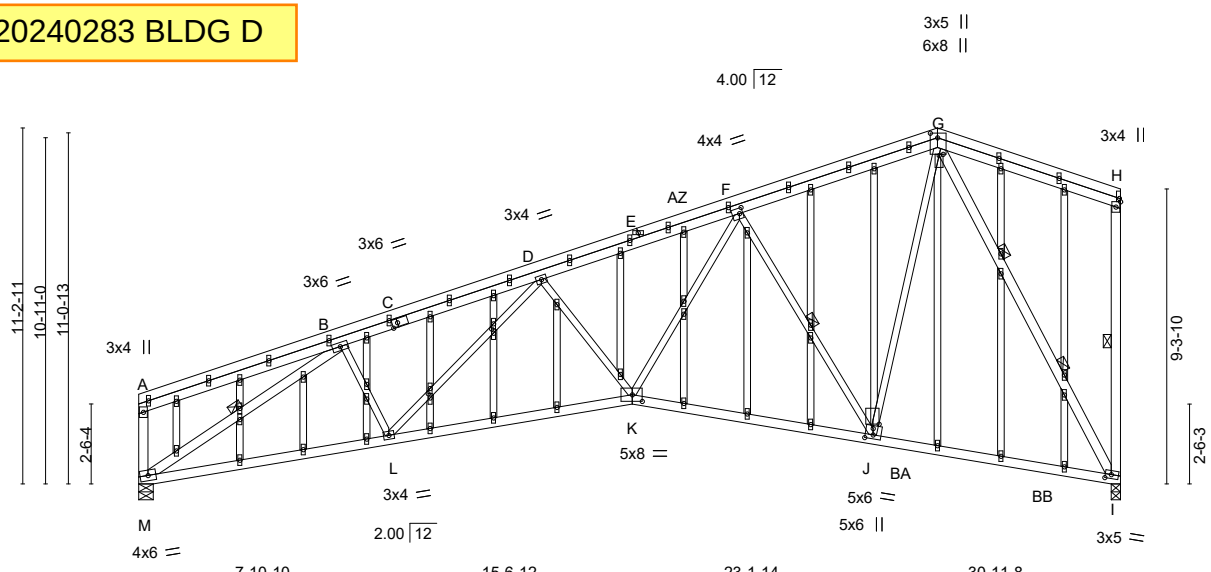


Plate Offsets (X,Y)-- [C:0-2-0,0-1-8], [F:0-1-4,0-2-0], [G:0-0-8,0-1-8], [G:0-1-12,0-2-12], [H:Edge,0-0-8], [I:0-2-4,0-1-8], [J:0-1-10,0-2-4], [J:0-3-0,0-1-8], [K:0-3-12,0-2-8], [AB:0-1-9,0-0-12], [AE:0-1-9,0-0-12]

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	0.71	Vert(LL)	-0.23	K-L	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.44	K-L	>839	240		
TCDL	12.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.20	I	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.10	K-L	>999	240	Weight: 239 lb	FT = 20%
BCDL	10.0											

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

BRACING-
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 F-J, B-M, H-I
2 Rows at 1/3 pts G-I

REACTIONS. (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)

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

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) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

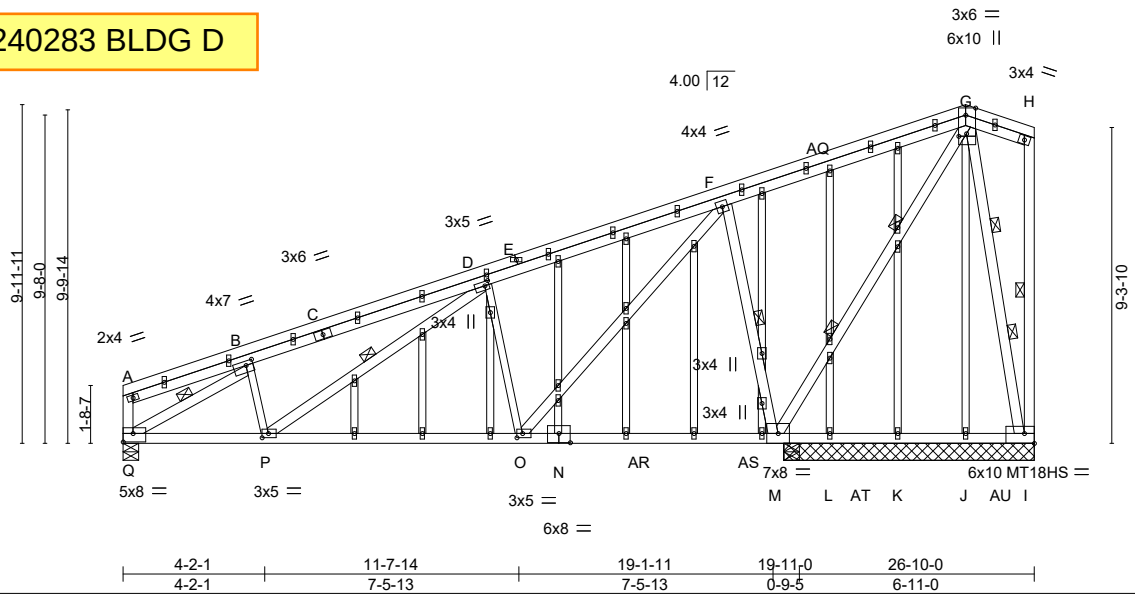
Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	P9	GABLE	1	1	Job Reference (optional)	U1530792

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Feb 9 2023 MiTek Industries, Inc. Thu Sep 12 16:09:48 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-SFyMHHKhZ5_a2tBB8VwsRq1Cxt2MQFD4VKICNmyeUeX

3-8-10 | 10-9-0 | 17-9-6 | 24-9-12 | 26-10-0
3-8-10 | 7-0-6 | 7-0-6 | 7-0-6 | 2-0-4

PRMU20240283 BLDG D

Scale = 1:67.9



4-2-1 | 11-7-14 | 19-1-11 | 19-11-0 | 26-10-0
4-2-1 | 7-5-13 | 7-5-13 | 0-9-5 | 6-11-0

Plate Offsets (X,Y)-- [B:0-2-8,0-1-8], [D:0-1-8,0-1-8], [G:0-2-12,0-0-14], [G:0-2-8,Edge], [I:Edge,0-3-8], [N:0-4-0,0-3-4], [O:0-2-0,0-1-8], [P:0-2-4,0-1-8], [Q:Edge,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	-0.14	O-P	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.22	O-P	>999	240	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.94	Horz(CT)	-0.14	I	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.12	O-P	>999	240	Weight: 211 lb	FT = 20%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 SPF No.2
BOT CHORD	2x4 SPF 2100F 1.8E *Except* N-Q: 2x4 SPF No.2
WEBS	2x4 SPF No.2 *Except* B-P,D-O: 2x3 SPF No.2, G-M: 2x4 SPF 2100F 1.8E
OTHERS	2x3 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-4-5 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt D-P, F-M, B-Q, H-I 2 Rows at 1/3 pts G-M, G-I

REACTIONS. All bearings 7-4-8 except (jt=length) Q=0-5-8.
(lb) - Max Horz Q=471(LC 37)
Max Uplift All uplift 100 lb or less at joint(s) J except M=-3032(LC 39), Q=-1657(LC 31), I=-2686(LC 50), L=-118(LC 26)
Max Grav All reactions 250 lb or less at joint(s) J, K, L except M=4048(LC 28), M=1815(LC 1), Q=1949(LC 26), I=2571(LC 39)

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

TOP CHORD	A-B=-803/824, B-D=-2462/1943, D-F=-1581/1341, F-G=-2032/2184, G-H=-521/548
BOT CHORD	P-Q=-2786/3032, O-P=-3904/4061, M-O=-4358/4252, L-M=-6183/6132, K-L=-4694/4698, J-K=-3002/2951, I-J=-1256/1205
WEBS	B-P=-743/863, D-P=-1329/1450, D-O=-825/574, F-O=-629/1424, F-M=-1215/514, G-M=-3825/3587, B-Q=-3304/2884, G-I=-2584/2731

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 MT20 plates unless otherwise indicated.
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) All bearings are assumed to be SPF No.2 crushing capacity of 425 psi.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) J except (jt=lb) M=3032, Q=1657, I=2686, L=118.
12) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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 requires modification(s) for [illegible] load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer

PRMU20240283 BLDG D

15) [illegible] 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.

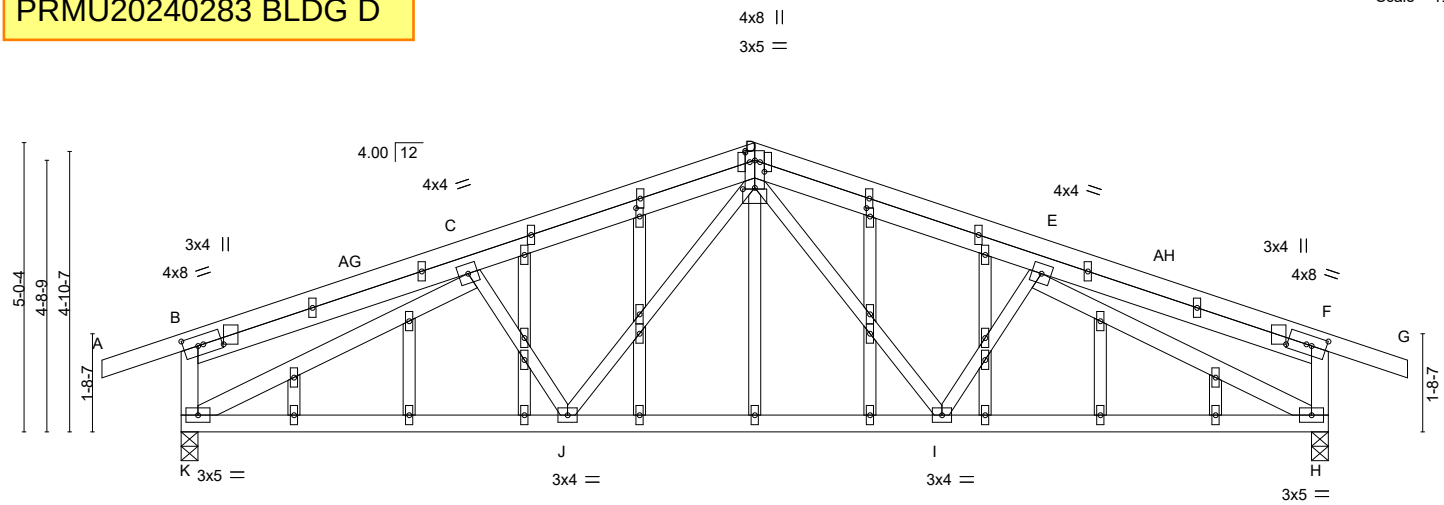
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	P10	GABLE	1	1	U1530793
					Job Reference (optional)

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

-1-4-8	5-1-0	9-11-8	14-10-0	19-11-0	21-3-8
1-4-8	5-1-0	4-10-8	4-10-8	5-1-0	1-4-8

PRMU20240283 BLDG D

Scale = 1:40.0



6-8-8	13-2-8	19-11-0
6-8-8	6-6-0	6-8-8

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:0-2-0,0-2-0], [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]

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	0.42	Vert(LL)	-0.05	H-I	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.11	H-I	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.04	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.03	I-J	>999	240	Weight: 119 lb	FT = 20%
BCDL	10.0											

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

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

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

-1-4-8	6-4-12	12-9-8	14-2-0
1-4-8	6-4-12	6-4-12	1-4-8

PRMU20240283 BLDG D

Scale = 1:37.4

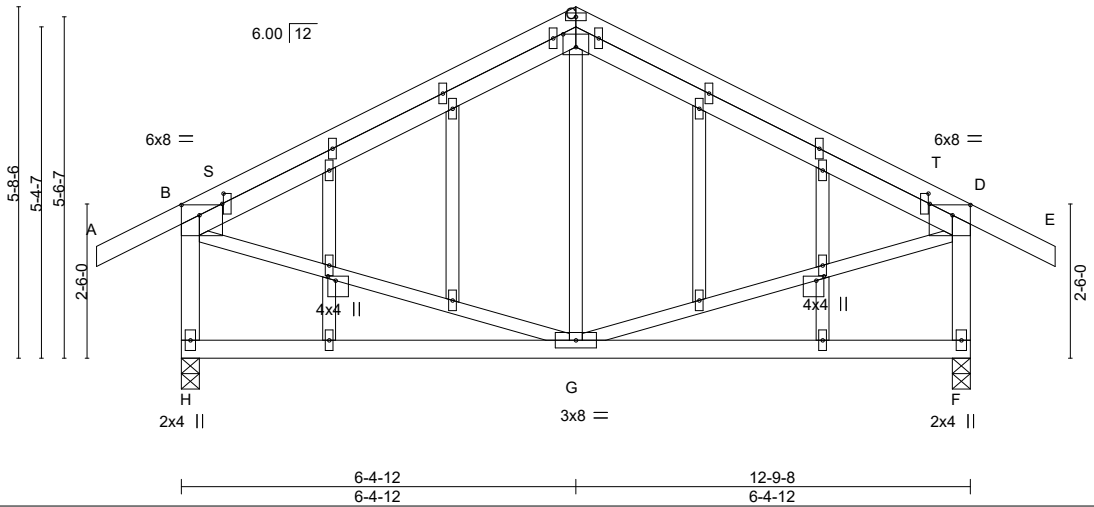


Plate Offsets (X,Y)-- [B:0-3-8,0-2-0], [C:0-2-8,0-2-8], [D:0-3-8,0-2-0], [K:0-0-14,0-1-8], [R:0-0-14,0-1-8], [S:0-2-0,0-0-4], [T:0-2-0,0-0-4]

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	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.07	G-H	>999	240		
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	Weight: 79 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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) 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) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

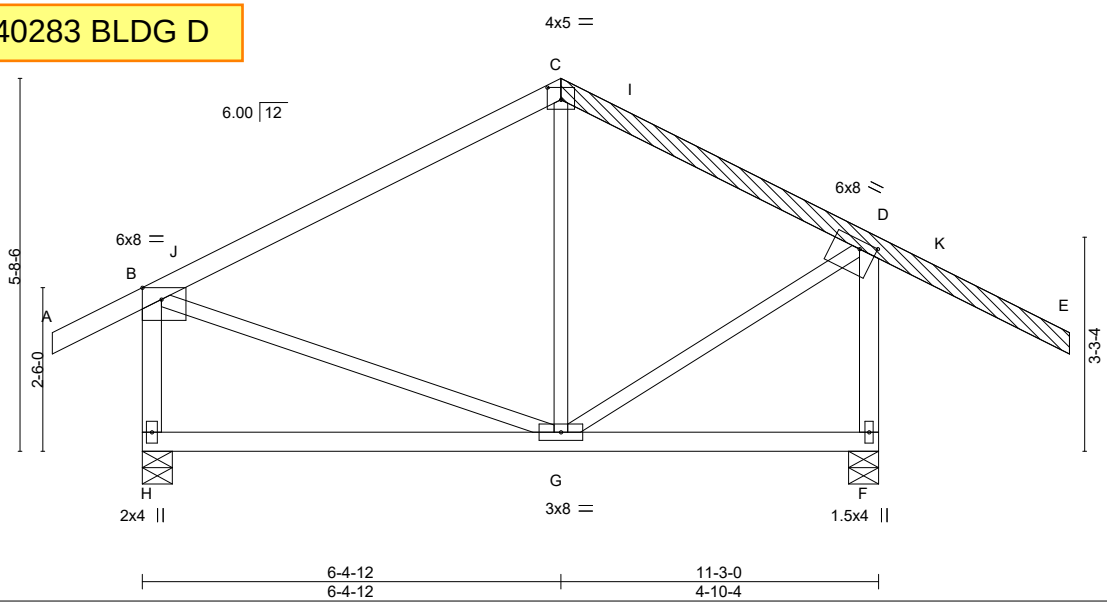
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	R2	Common	3	1	U1530858
					Job Reference (optional)

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-o0tVQwCmAcKnUamuIPB1UdWYchHMhsTJ2XlRkByeVqx

-1-4-8 | 6-4-12 | 11-3-0 | 14-2-0
1-4-8 | 6-4-12 | 4-10-4 | 2-11-0

PRMU20240283 BLDG D

Scale = 1:35.2



6-4-12 | 11-3-0
6-4-12 | 4-10-4

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											

LUMBER-
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

BRACING-
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.

REACTIONS. (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)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-478/47, C-D=-400/68, B-H=-668/97, D-F=-847/111
WEBS D-G=0/353

NOTES-
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

PRMU20240283 BLDG D

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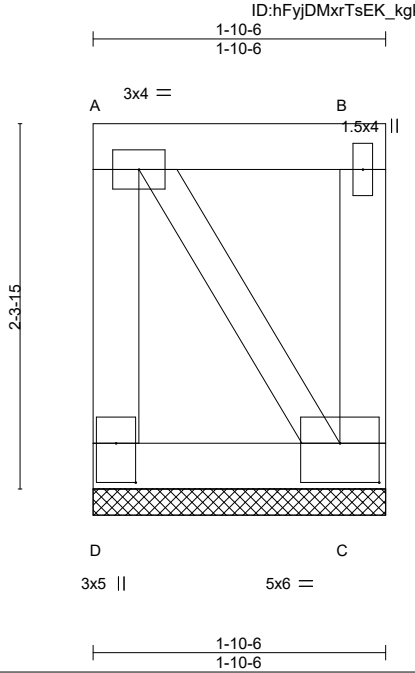

Plate Offsets (X,Y)-- [C:0-3-0,0-3-0], [D:0-3-0,0-1-8]

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	0.12	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	0.20	Horz(CT)	-0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 10 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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-
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=535, C=535.
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 1-10-6 for 240.0 plf.

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
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PRMU20240283 BLDG D

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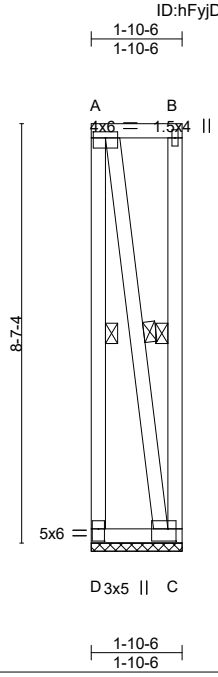

Plate Offsets (X,Y)-- [A:0-3-0,0-1-8], [C:0-2-0,0-3-0], [D:0-3-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	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	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 32 lb	FT = 20%
BCDL	10.0											

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 1-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt A-D, B-C, A-C

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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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PRMU20240283 BLDG D

Scale: 1/4"=1'

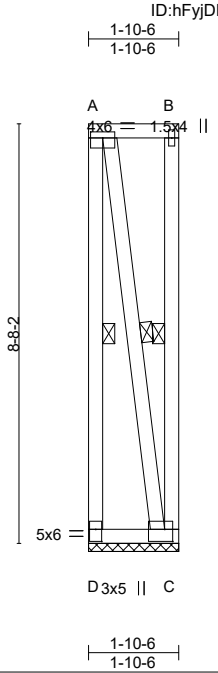

Plate Offsets (X,Y)-- [A:0-3-0,0-1-8], [C:0-2-0,0-3-0], [D:0-3-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	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	0.69	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 32 lb	FT = 20%
BCDL	10.0											

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 1-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
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PRMU20240283 BLDG D

Scale: 1/4"=1'

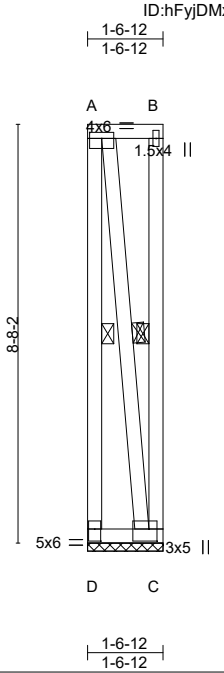

Plate Offsets (X,Y)-- [A:0-3-0,0-1-8], [C:0-2-0,0-3-0], [D:0-3-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
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							Weight: 31 lb	FT = 20%
BCDL	10.0											

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 1-6-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
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PRMU20240283 BLDG D

Scale: 3/8"=1'

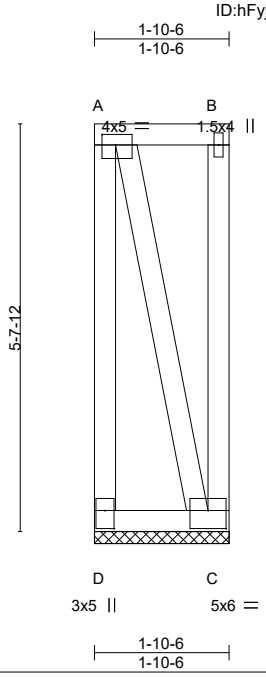

Plate Offsets (X,Y)-- [A:0-2-4,0-1-12], [C:0-3-0,0-3-0], [D:0-3-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.84	Horz(CT)	-0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 22 lb	FT = 20%
BCDL	10.0											

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 1-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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-
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=1553, C=1553.
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 1-10-6 for 240.0 plf.

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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_kgkR0vWWVzFIgc-8_gOTeGv_9z3bLer5ynCBgDOsi0DMxJ2BpSCQPyeVqs

PRMU20240283 BLDG D

Scale: 3/8"=1'

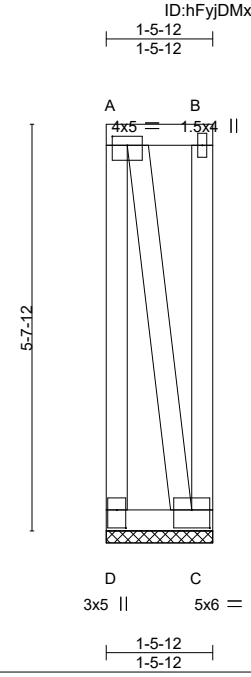

Plate Offsets (X,Y)-- [A:0-2-8,0-1-8], [C:0-3-0,0-3-0], [D:0-3-0,0-1-8]

LOADING (psf)		SPACING-	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	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							Weight: 21 lb	FT = 20%
BCDL	10.0											

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 1-5-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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-
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=1634, C=1634.
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 1-5-12 for 240.0 plf.

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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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PRMU20240283 BLDG D

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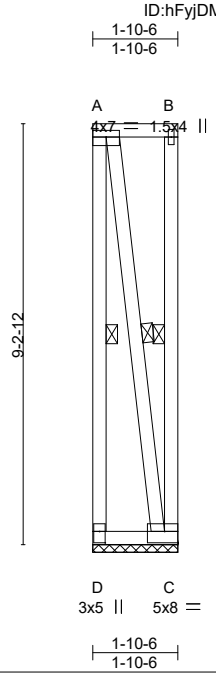

Plate Offsets (X,Y)-- [A:Edge,0-1-12], [C:Edge,0-3-0], [D:0-3-0,0-1-8]

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	0.81	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	0.83	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 34 lb	FT = 20%
BCDL	10.0											

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 1-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
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-
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=2155, C=2155.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
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PRMU20240283 BLDG D

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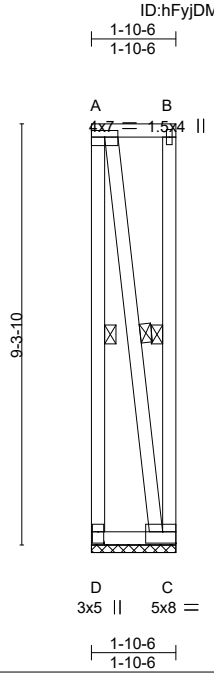

Plate Offsets (X,Y)-- [A:Edge,0-1-12], [C:Edge,0-3-0], [D:0-3-0,0-1-8]

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	0.83	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							Weight: 34 lb	FT = 20%
BCDL	10.0											

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 1-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
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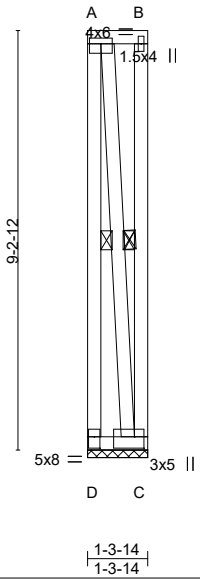

Plate Offsets (X,Y)-- [A:0-3-0,0-1-8], [C:0-2-8,0-3-0], [D:0-3-0,0-1-8]

LOADING (psf)		SPACING-	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	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
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							Weight: 33 lb	FT = 20%
BCDL	10.0											

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 1-3-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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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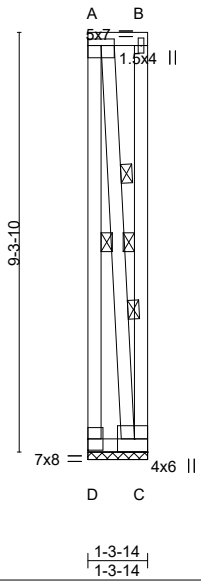

Plate Offsets (X,Y)-- [A:Edge,0-1-12]

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	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 33 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-3-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt A-D, B-C
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
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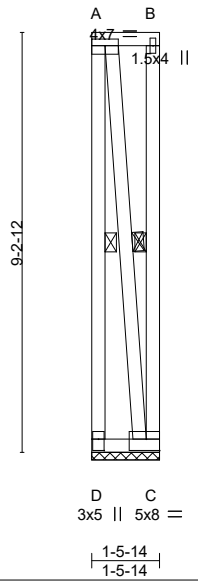

Plate Offsets (X,Y)-- [A:Edge,0-1-12], [C:Edge,0-3-0], [D:0-3-0,0-1-8]

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	0.81	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 33 lb	FT = 20%
BCDL	10.0											

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 6-0-0 oc bracing.
WEBS 1 Row at midpt A-D, B-C, A-C

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-
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=2153, C=2153.
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.

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	S11	BLOCKING SUPPORTED	1	1	U1530799
					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
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PRMU20240283 BLDG D

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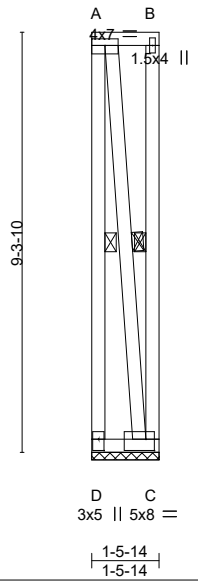

Plate Offsets (X,Y)-- [A:Edge,0-1-12], [C:0-2-4,0-3-0], [D:0-3-0,0-1-8]

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	0.83	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 33 lb	FT = 20%
BCDL	10.0											

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 6-0-0 oc bracing.
WEBS 1 Row at midpt A-D, B-C, A-C

REACTIONS. (size) D=1-5-14, C=1-5-14
Max Uplift D=-2169(LC 23), C=-2169(LC 24)
Max Grav D=2188(LC 44), C=2188(LC 43)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-D=-2176/2175, A-B=-259/259
BOT CHORD C-D=-259/259
WEBS A-C=-2181/2181

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.

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
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PRMU20240283 BLDG D

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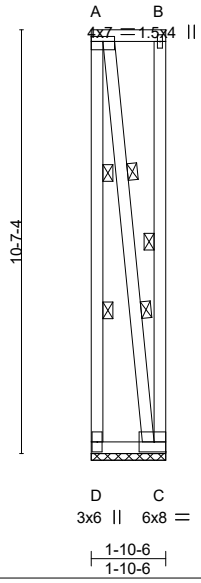

Plate Offsets (X,Y)-- [A:Edge,0-1-8]

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	0.93	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	0.94	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 39 lb	FT = 20%
BCDL	10.0											

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 1-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

PRMU20240283 BLDG D

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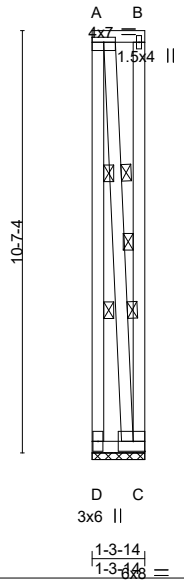

Plate Offsets (X,Y)-- [A:Edge,0-1-8]

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	0.92	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 37 lb	FT = 20%
BCDL	10.0											

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 1-3-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	S14	BLOCKING SUPPORTED	36	1	U1530802
					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?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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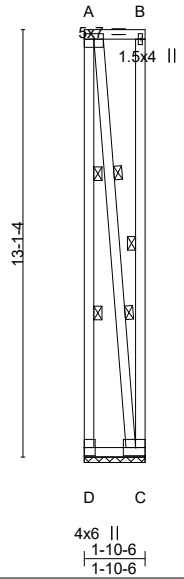

Plate Offsets (X,Y)-- [A:Edge,0-2-0] 6x8 =

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	0.99	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	1.00	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 47 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF 2100F 1.8E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
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=-3085(LC 23), C=-3085(LC 24)
Max Grav D=3110(LC 44), C=3110(LC 43)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-D=-3094/3093, A-B=-340/340
BOT CHORD C-D=-340/340
WEBS A-C=-3099/3099

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=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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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_kgkR0vWWVzFlgc-o0tVQwCmAcKnUamuIPB1UdWbGhKphrQJ2XlRkByeVqx

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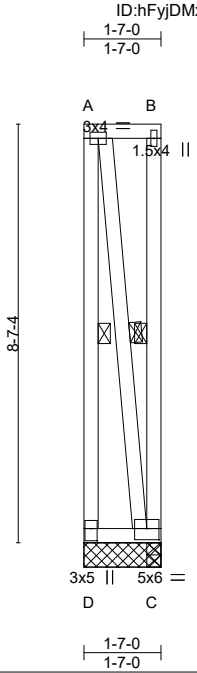


Plate Offsets (X,Y)-- [C:0-3-0,0-2-12], [D:0-3-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/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	Weight: 31 lb	FT = 20%
BCDL	10.0											

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 1-7-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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

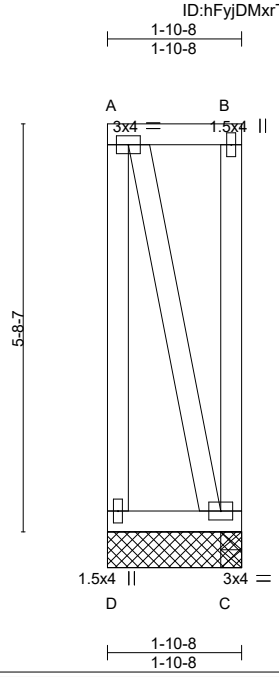
MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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-o0tVQwCmAcKnUamuIPB1UdWj0hKrhtMJ2XlRkByeVqx

PRMU20240283 BLDG D

Scale: 3/8"=1'



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

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 1-10-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
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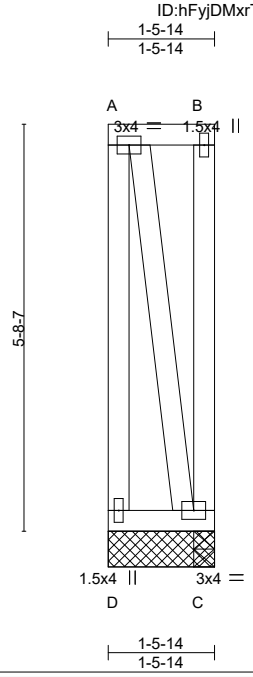
PRMU20240283 BLDG D

Scale: 3/8"=1'



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

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
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PRMU20240283 BLDG D

Scale: 1/4"=1'

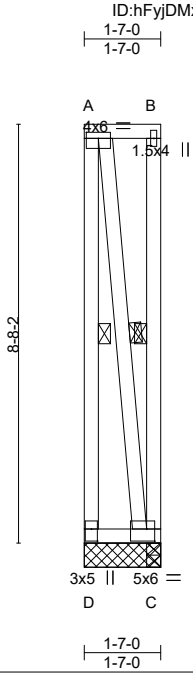

Plate Offsets (X,Y)-- [A:0-3-0,0-1-8], [C:0-2-0,0-3-0], [D:0-3-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.00	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	Weight: 31 lb	FT = 20%
BCDL	10.0											

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 1-7-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
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) 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=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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
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PRMU20240283 BLDG D

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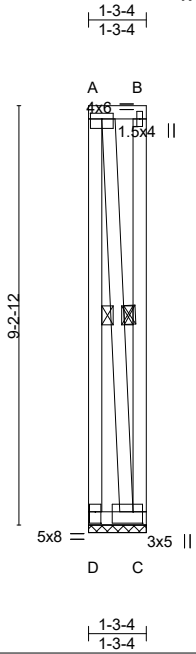

Plate Offsets (X,Y)-- [A:0-3-0,0-1-8], [C:0-2-8,0-3-0], [D:0-3-0,0-1-8]

LOADING (psf)		SPACING-	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	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 33 lb	FT = 20%
BCDL	10.0											

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 1-3-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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 02:48:25 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-4Mo8uJI9WmDnqfoECNphG5Ik9VW_qqeLf7xJUHyeVqq

PRMU20240283 BLDG D

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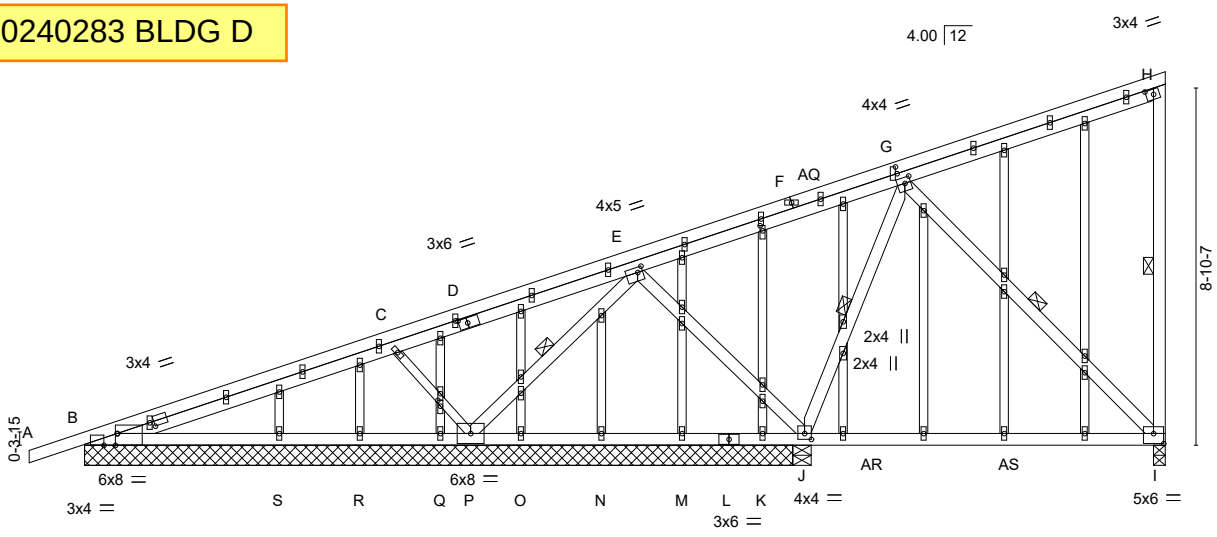


Plate Offsets (X,Y)-- [B:0-0-9,Edge], [B:0-11-7,0-1-8], [B:0-4-0,Edge], [D:0-2-10,0-1-8], [E:0-1-8,0-1-8], [G:0-2-0,0-0-8], [G:0-1-12,0-1-12], [H:0-2-4,0-1-8], [I:0-3-0,0-3-0], [J:0-2-0,0-1-12], [AF:0-1-9,0-0-12], [AM:0-1-12,0-0-12]

LOADING (psf)		SPACING-	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)	-0.22	I-J	>478	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.37	I-J	>288	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.93	Horz(CT)	-0.02	N	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S		Wind(LL)	-0.04	I-J	>999	240	Weight: 176 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-6-7 oc bracing.
WEBS 1 Row at midpt H-I, E-P, G-J, G-I

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 drag loads along bottom chord from 0-0-0 to 17-7-0 for 366.3 plf.

Continued on page 2

September 12,2024

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

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.

PRMU20240283 BLDG D

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

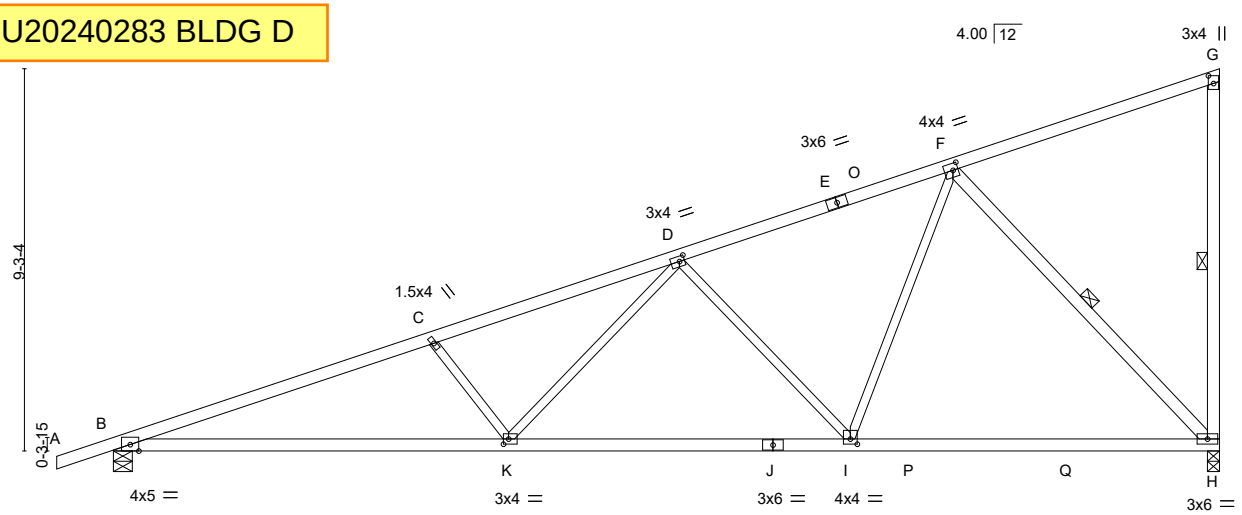
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	T2	Monopitch	45	1	U1530872
					Job Reference (optional)

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:26 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-ZZLW6fJnH4LeSpNQm5KwoJrs6vq9ZITUtnhs0kyeVqp

-1-4-8	7-9-4	13-8-12	20-4-6	26-10-0
1-4-8	7-9-4	5-11-8	6-7-10	6-5-10

PRMU20240283 BLDG D

Scale = 1:55.9



9-7-0	17-10-8	26-10-0
9-7-0	8-3-8	8-11-8

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]

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	Weight: 103 lb	FT = 20%
BCDL	10.0											

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

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

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

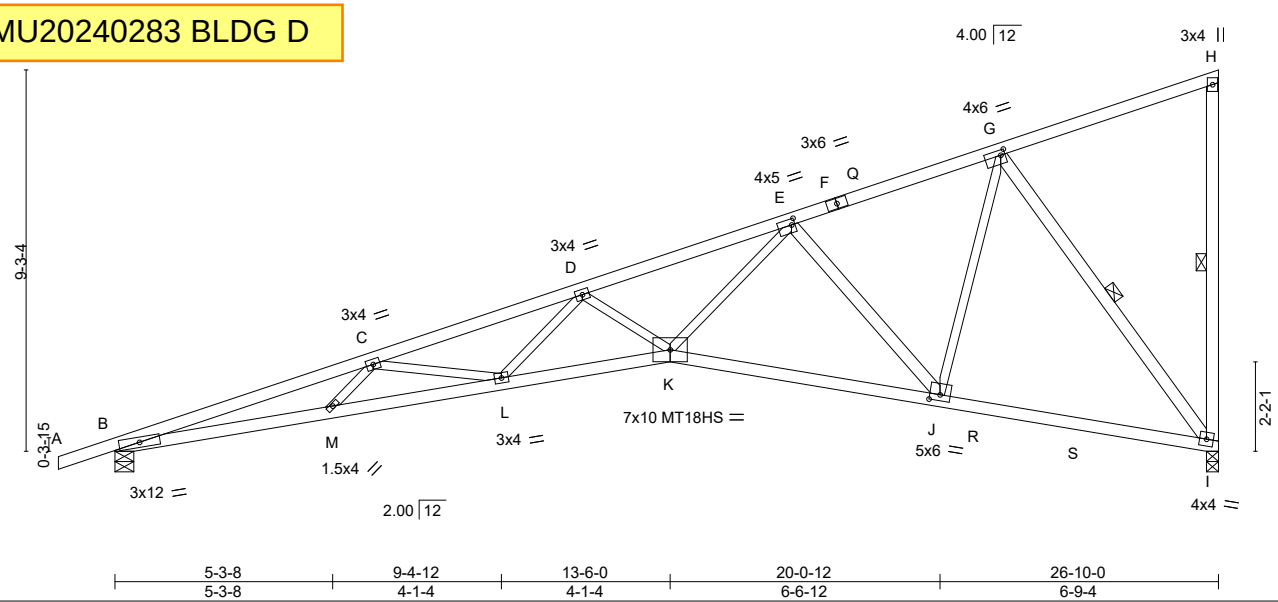
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	T2A	MONOPITCH	54	1	U1530873
					Job Reference (optional)

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-1IvuJ?JQ2NTV3yycKor9LWN1dJBxIjle6RQQZAyeVqo

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

PRMU20240283 BLDG D

Scale = 1:56.0



5-3-8	9-4-12	13-6-0	20-0-12	26-10-0
5-3-8	4-1-4	4-1-4	6-6-12	6-9-4

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-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.47	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	Weight: 108 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B-K: 2x4 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
H-I,E-J,G-I: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-15 oc bracing.
WEBS 1 Row at midpt H-I, G-I

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=lb) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

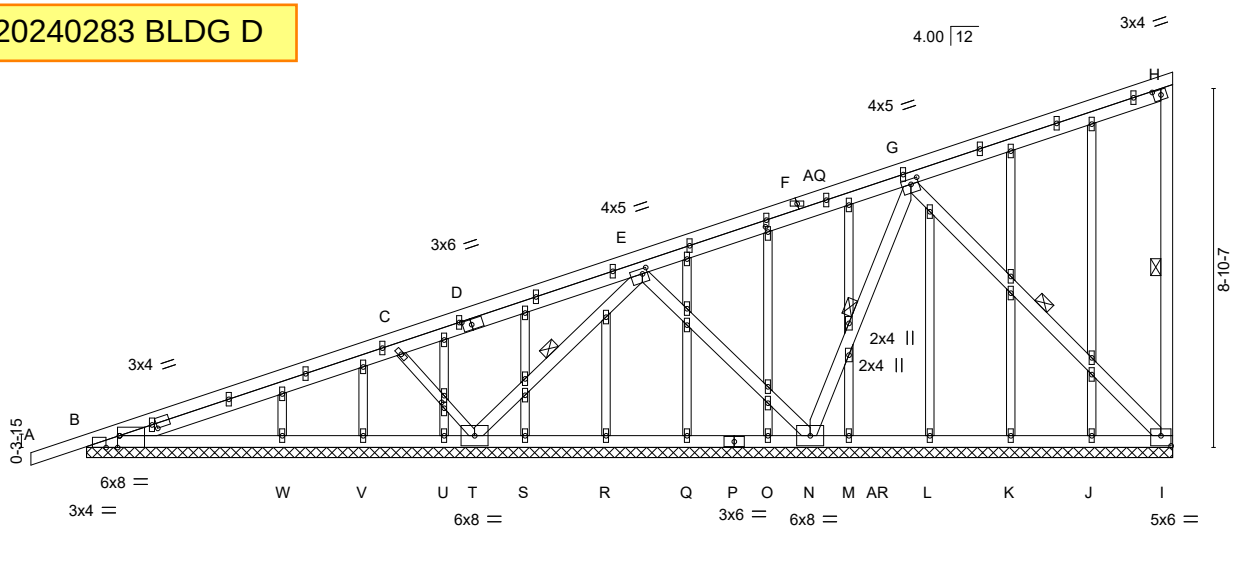
Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	T3	GABLE	9	1	Job Reference (optional)	U1530874

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_kgkR0vWWVzFIgc-VxTHXLK2phbMh6XpuWMOukwENjcp1BunL5Az5cyeVqn

-1-4-8	7-9-4	13-8-12	20-4-6	26-10-0
1-4-8	7-9-4	5-11-8	6-7-10	6-5-10

PRMU20240283 BLDG D

Scale = 1:56.9



9-7-0	17-10-8	26-10-0
9-7-0	8-3-8	8-11-8

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	120	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.56	Vert(CT)	0.04	A	n/r	90		
TCDL	12.0	Rep Stress Incr	YES	WB	0.89	Horz(CT)	-0.03	K	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 176 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-11-1 oc bracing.
WEBS 1 Row at midpt H-I, E-T, G-N, G-I

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

Continued on page 2

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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

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) PRMU20240283 BLDG D ft end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at For edge-wise notching, provide at least one tie plate between each notch.

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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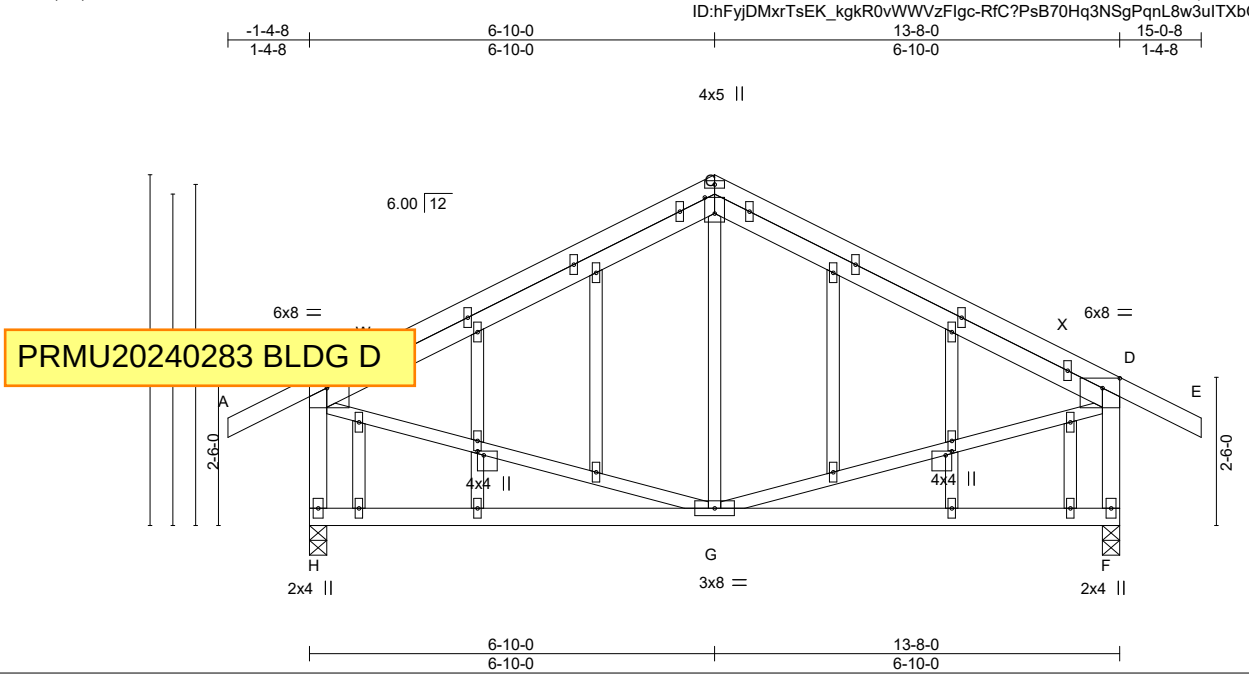

Plate Offsets (X,Y)-- [B:0-3-8,0-2-0], [C:0-3-4,0-2-0], [D:0-3-8,0-2-0], [K:0-0-13,0-1-4], [T:0-0-13,0-1-4]

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	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.09	F-G	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.14	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: 86 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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) 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) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	U2	GABLE	10	1	U1530804
					Job Reference (optional)

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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PRMU20240283 BLDG D

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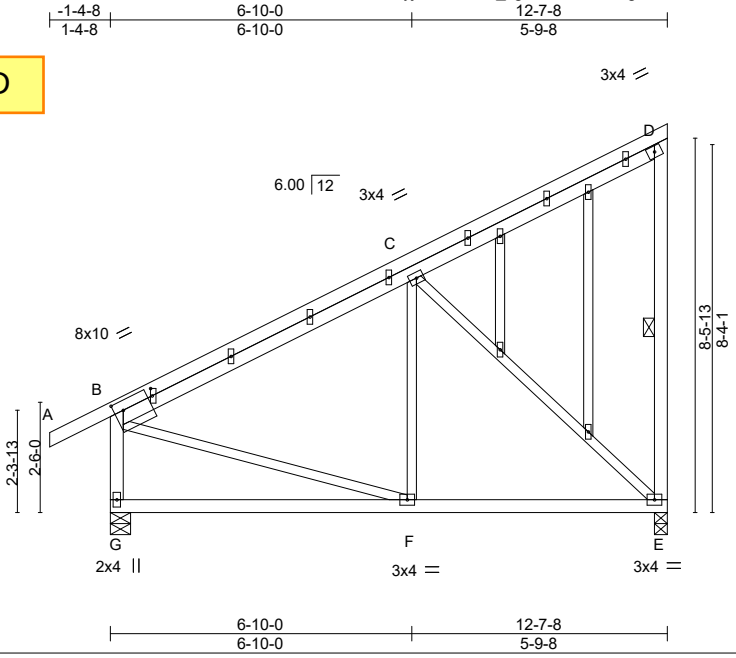

Plate Offsets (X,Y)-- [B:0-2-8,0-2-8], [B:0-2-0,0-0-7]

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	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.10	F-G	>999	240		
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	Weight: 82 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt D-E

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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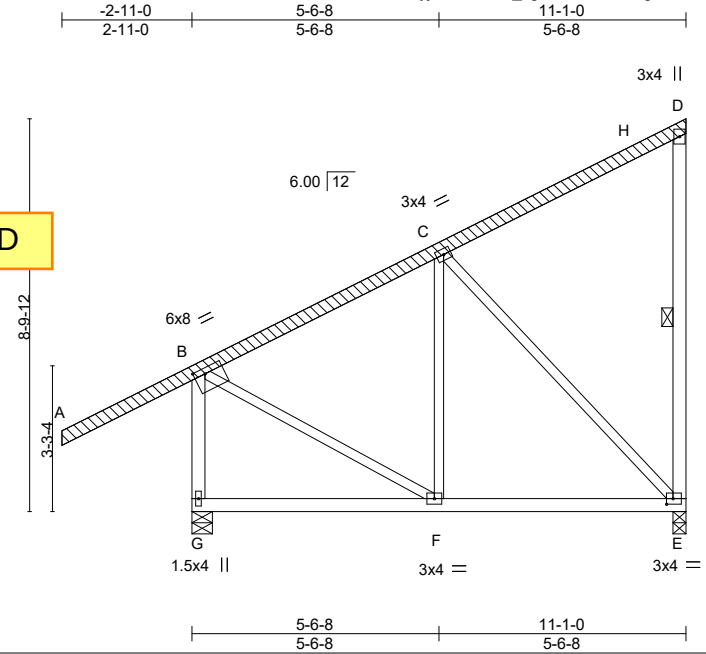

Plate Offsets (X,Y)-- [B:0-3-0,0-1-8], [E:0-1-12,0-1-8]

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

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
D-E,B-G: 2x4 SPF No.2
OTHERS 2x4 SPF No.2
LBR SCAB A-D 2x4 SPF No.2 one side

BRACING-
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.
WEBS 1 Row at midpt D-E

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-
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.
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=103.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.820 s Aug 30 2024 MiTek Industries, Inc. Thu Sep 12 02:48:29 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-z71fkhLga?jDJG5?RDudQxTXZ739mqtxZlvXd3yeVqm

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6-2-0 | 6-2-0

PRMU20240283 BLDG D

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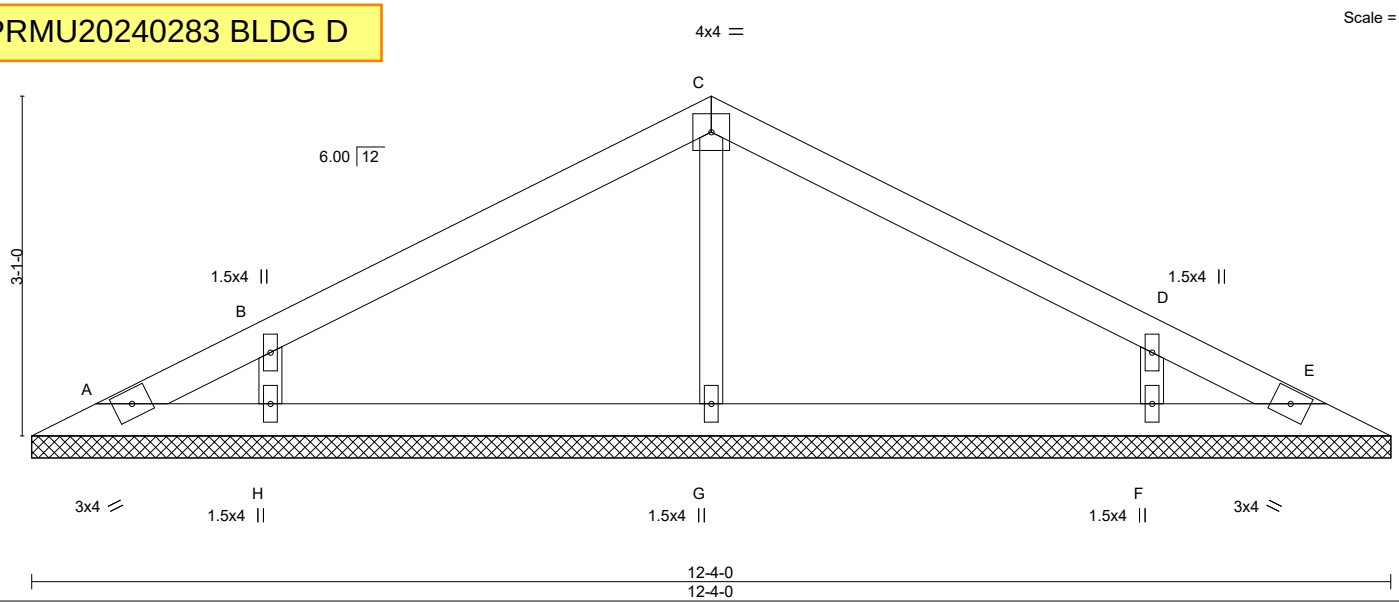

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 31 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. All bearings 12-4-0.
(lb) - Max Horz A=-36(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=332(LC 16), H=495(LC 16), F=495(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-H=-438/114, D-F=-438/114

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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

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4-10-0 9-8-0
4-10-0 4-10-0

PRMU20240283 BLDG D

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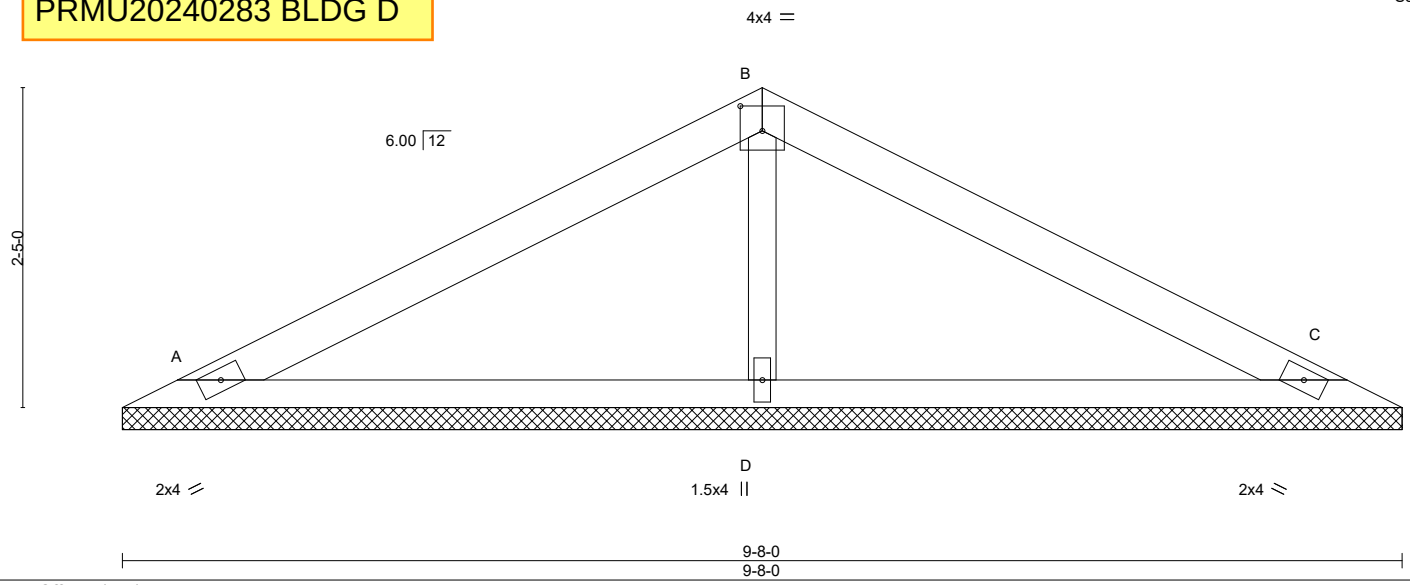

Plate Offsets (X,Y)-- [B:0-2-0,0-2-4]

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	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.32	Vert(CT)	n/a	-	n/a	999		
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							Weight: 21 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=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) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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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3-6-0 3-6-0

PRMU20240283 BLDG D

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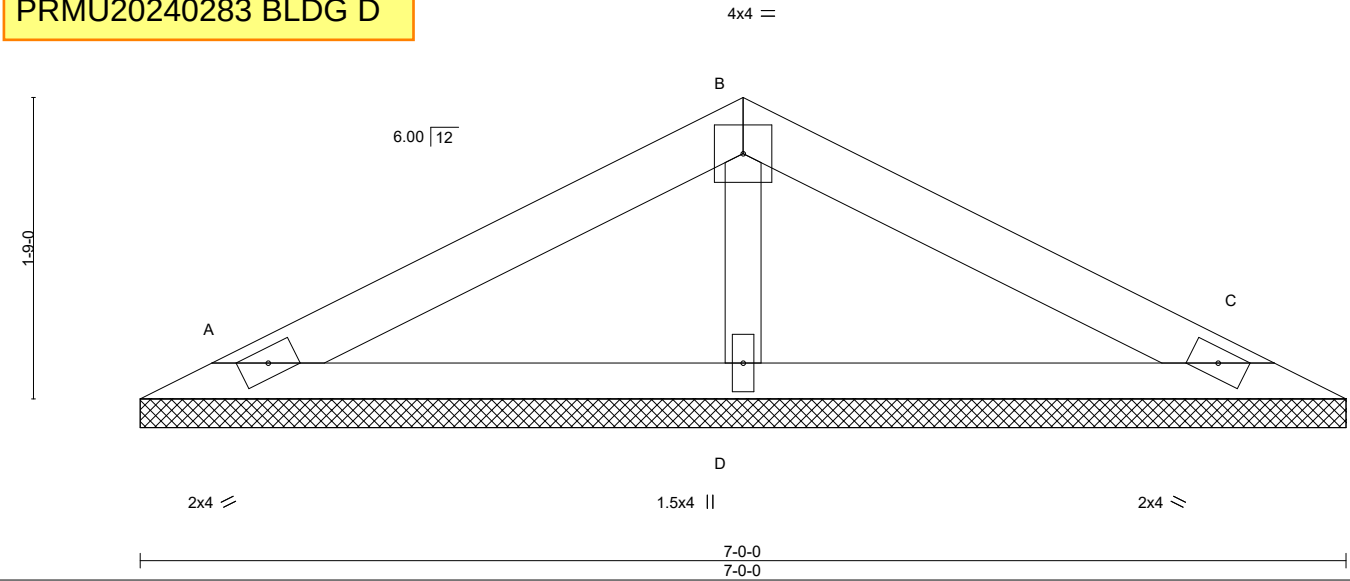

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	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-
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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. Thu Sep 12 02:48:30 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RKb1x1MILIr4wQgB?wPsz9?mpWNUVIK4oPf49VyeVqI

PRMU20240283 BLDG D

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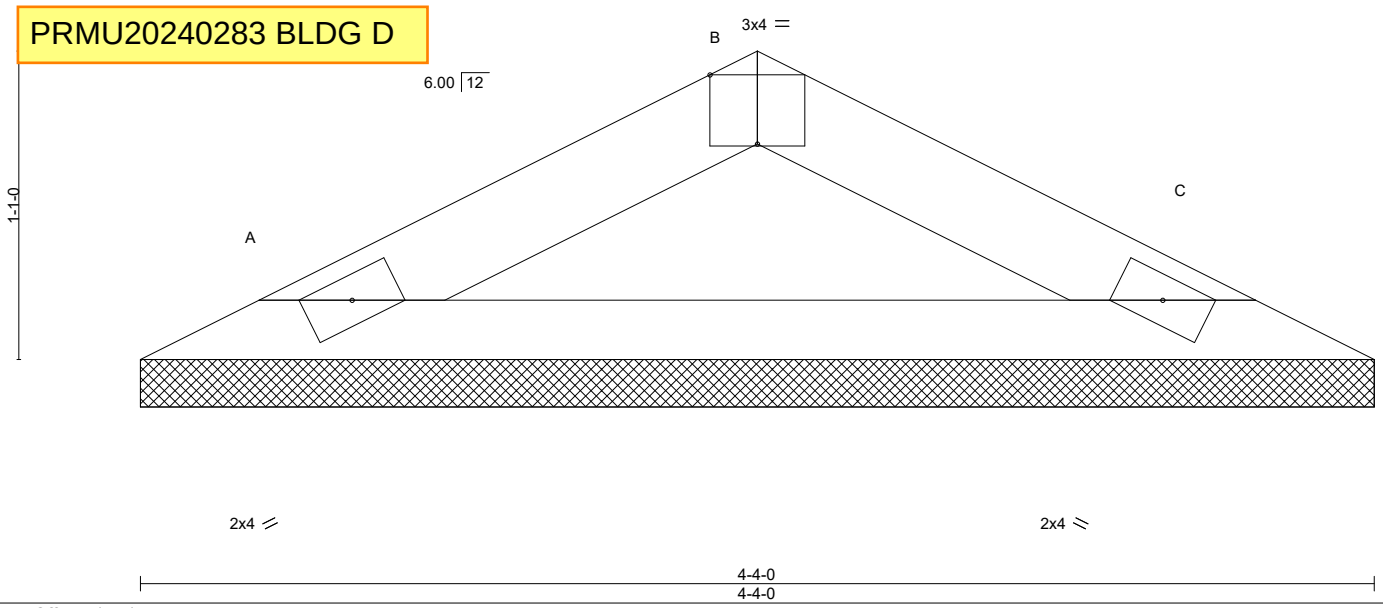


Plate Offsets (X,Y)-- [B:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.06	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-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-0 oc purlins.
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-
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

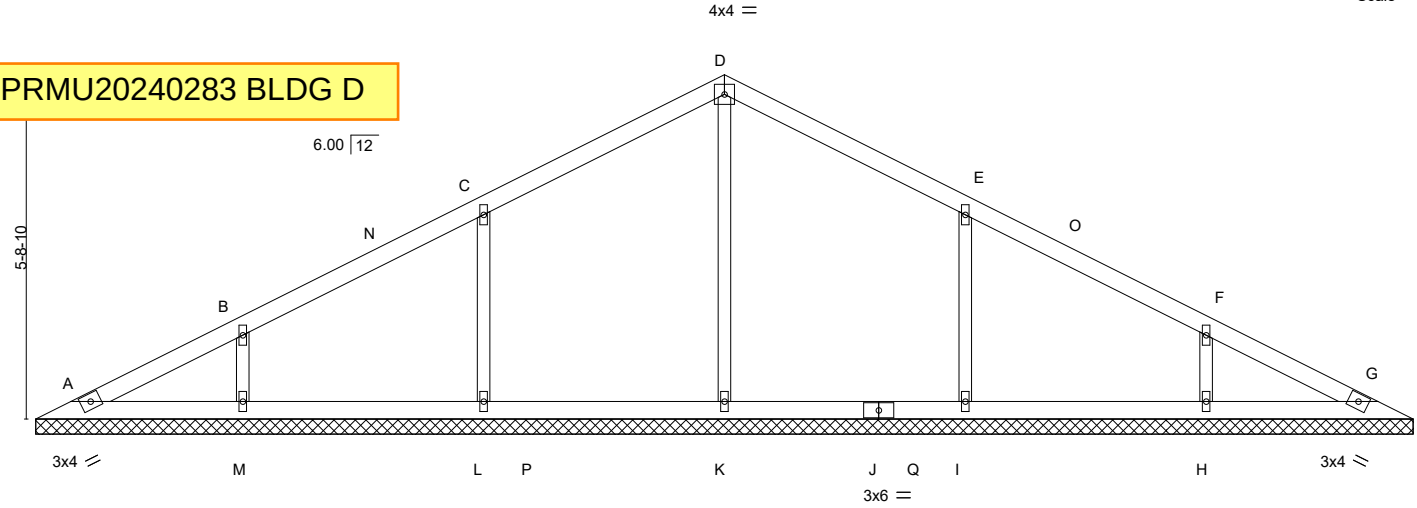
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VH1	Valley	20	1	U1530879
					Job Reference (optional)

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-vW9P9NMw6czxYaFOZew5VMYtmwk0EjuD13OdixyeVqk

11-5-4 | 22-10-8
11-5-4 | 11-5-4

Scale = 1:38.3

PRMU20240283 BLDG D



22-10-8
22-10-8

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	0.17	Horz(CT)	0.00	G	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 65 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. All bearings 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-
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 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
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) A, L, M, I, H.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VH2	Valley	20	1	U1530880
					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_kgkR0vWWVzFIgc-NijnMjNYtw5oAkqa7LRK2a5?zK2GzAiNGj8BENyeVqj

10-0-0
10-0-0
20-0-0
10-0-0

PRMU20240283 BLDG D

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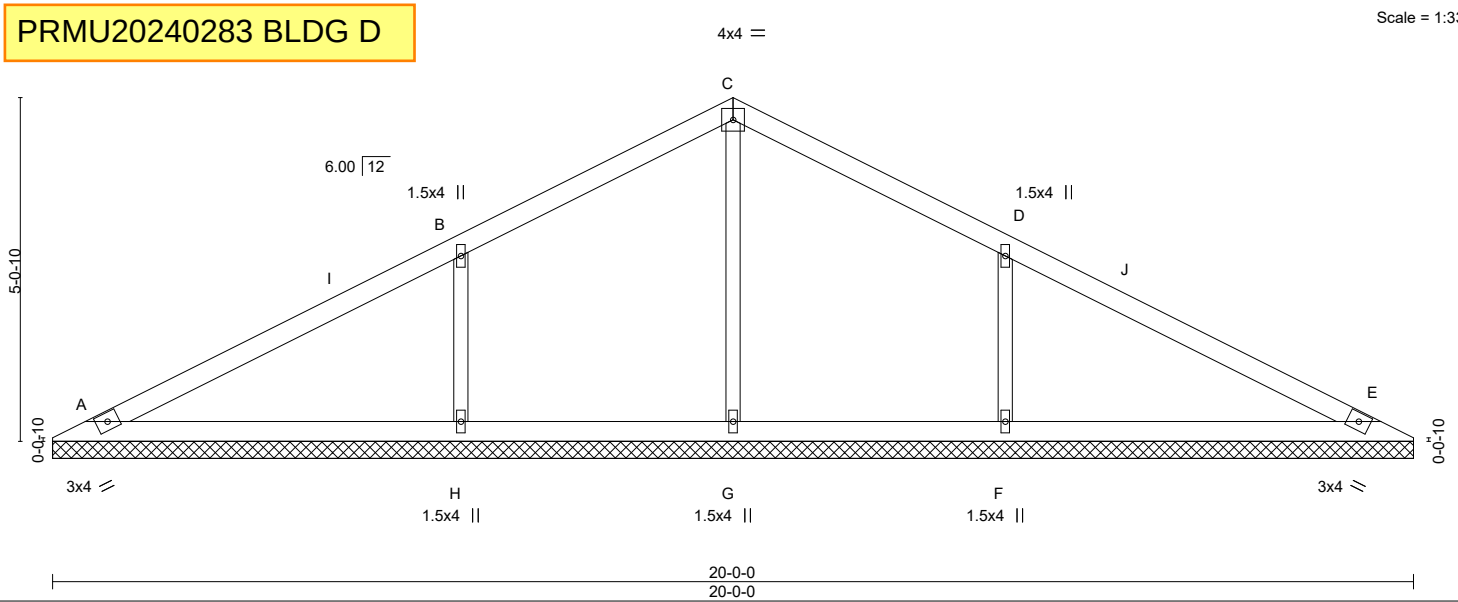


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.21	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 55 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. All bearings 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-
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, E except (jt=lb) H=117, F=117.
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

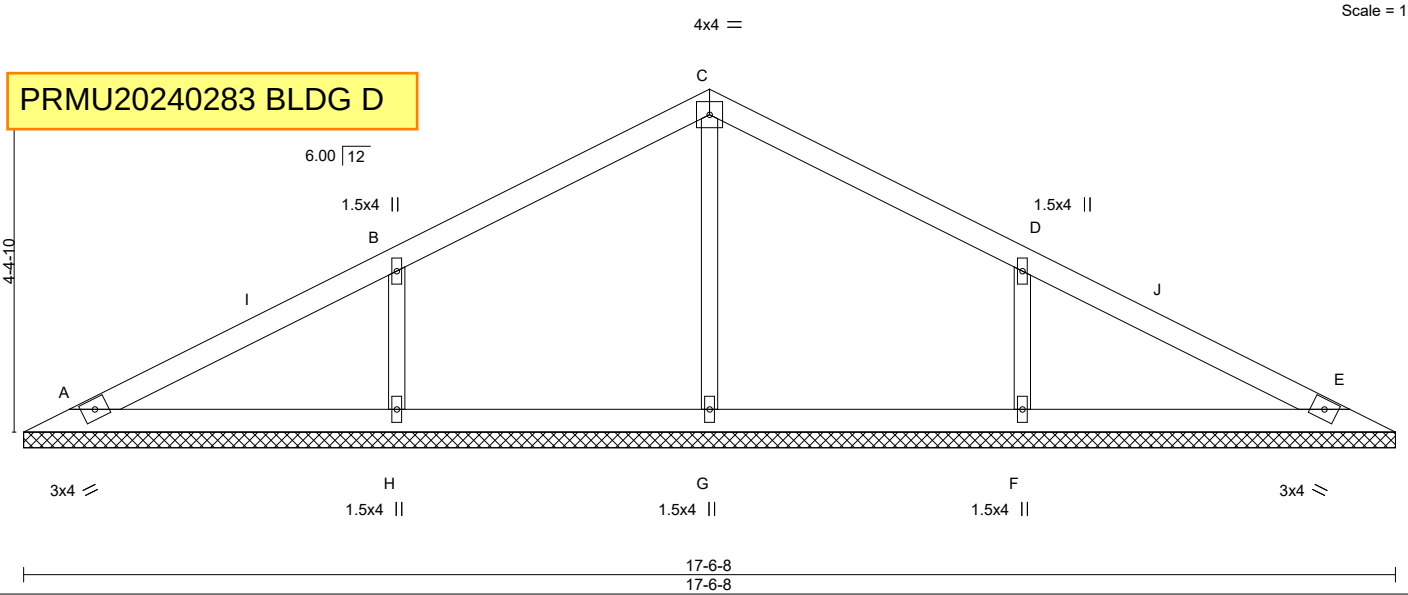
MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VH3	Valley	20	1	U1530881
					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_kgkR0vWWVzFIgc-NijnMjNYtw5oAkqa7LRK2a51sK4bzBGNGj8BENyeVqj

8-9-4 | 17-6-8
8-9-4 | 8-9-4

Scale = 1:29.5



17-6-8
17-6-8

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	0.34	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 47 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. All bearings 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-
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, E, 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

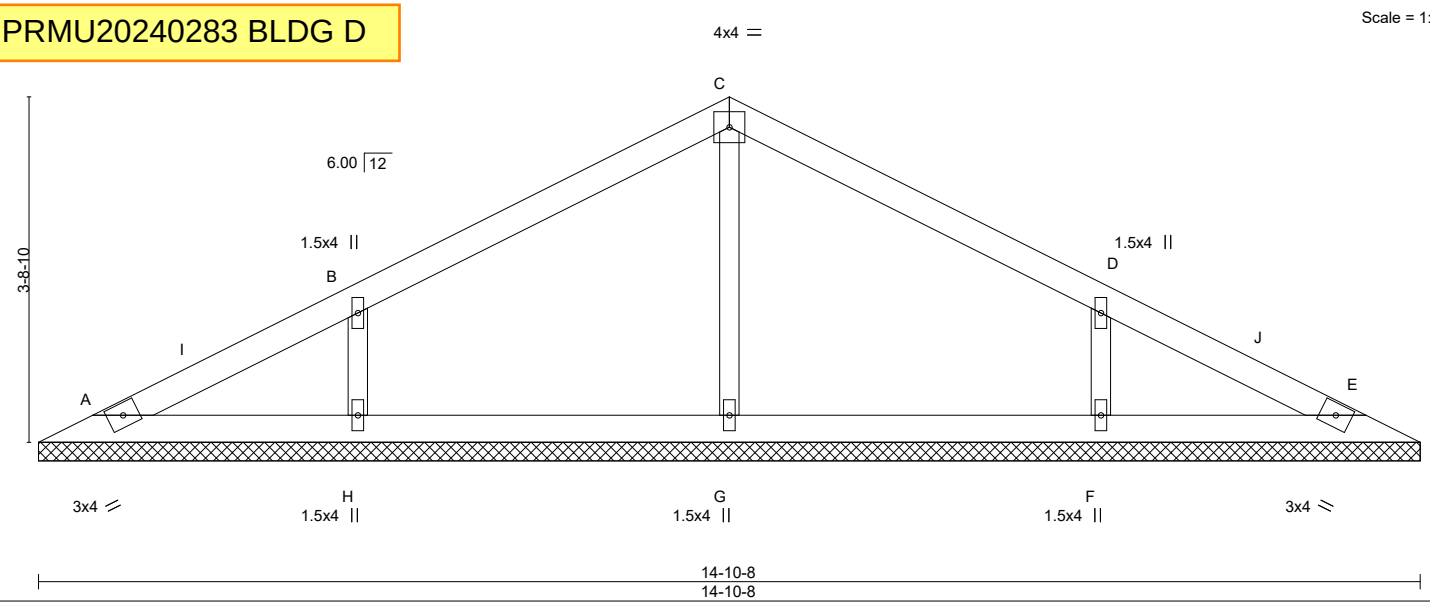
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VH4	Valley	20	1	U1530882
					Job Reference (optional)

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
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-rvHAa3OAeDDfntPmg3yZbndDekQBieoWUNtkmqyeVqi

7-5-4 | 14-10-8
7-5-4 | 7-5-4

PRMU20240283 BLDG D

Scale = 1:24.8



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	0.28	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 39 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. All bearings 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

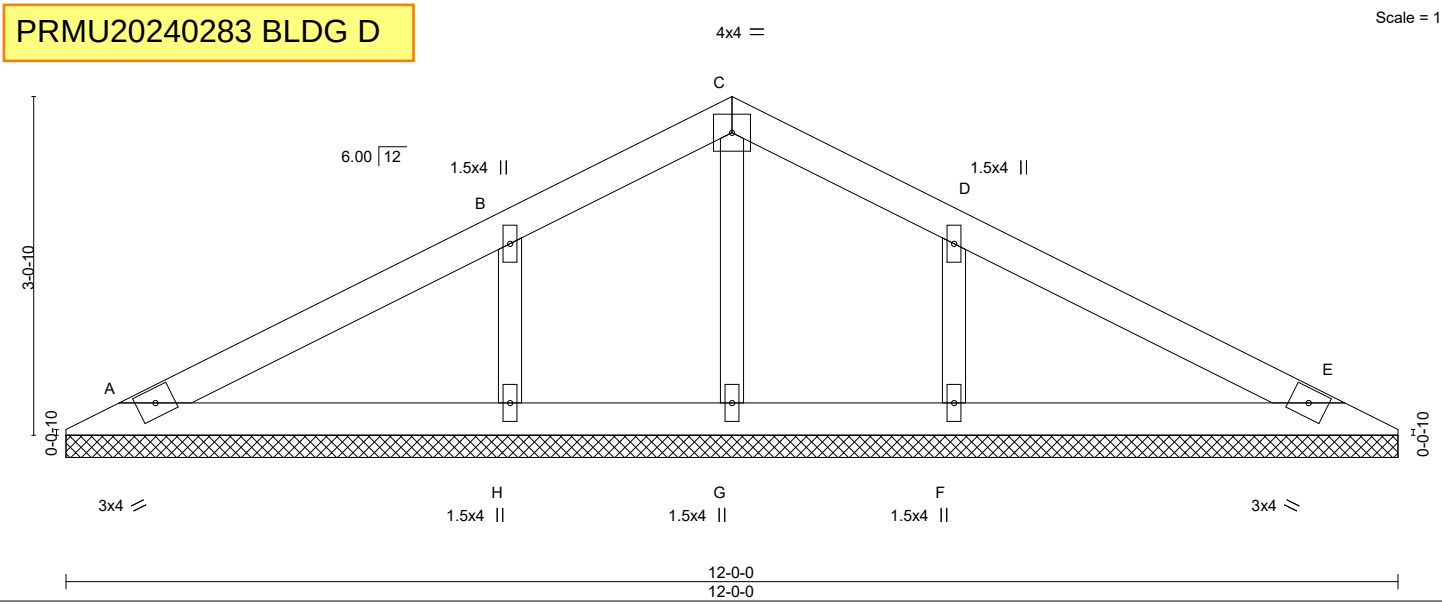
Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VH5	GABLE	20	1	U1530883
					Job Reference (optional)

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
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-rvHAa3OAeDDfntPmg3yZbndEOkQRiexWUNtkmqyeVqi

6-0-0 12-0-0
6-0-0 6-0-0

PRMU20240283 BLDG D

Scale = 1:20.8



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	0.23	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	0.07	Horz(CT)	0.00	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 32 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. All bearings 12-0-0.
(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-
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, E, 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VH6	Valley	20	1	U1530884
					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
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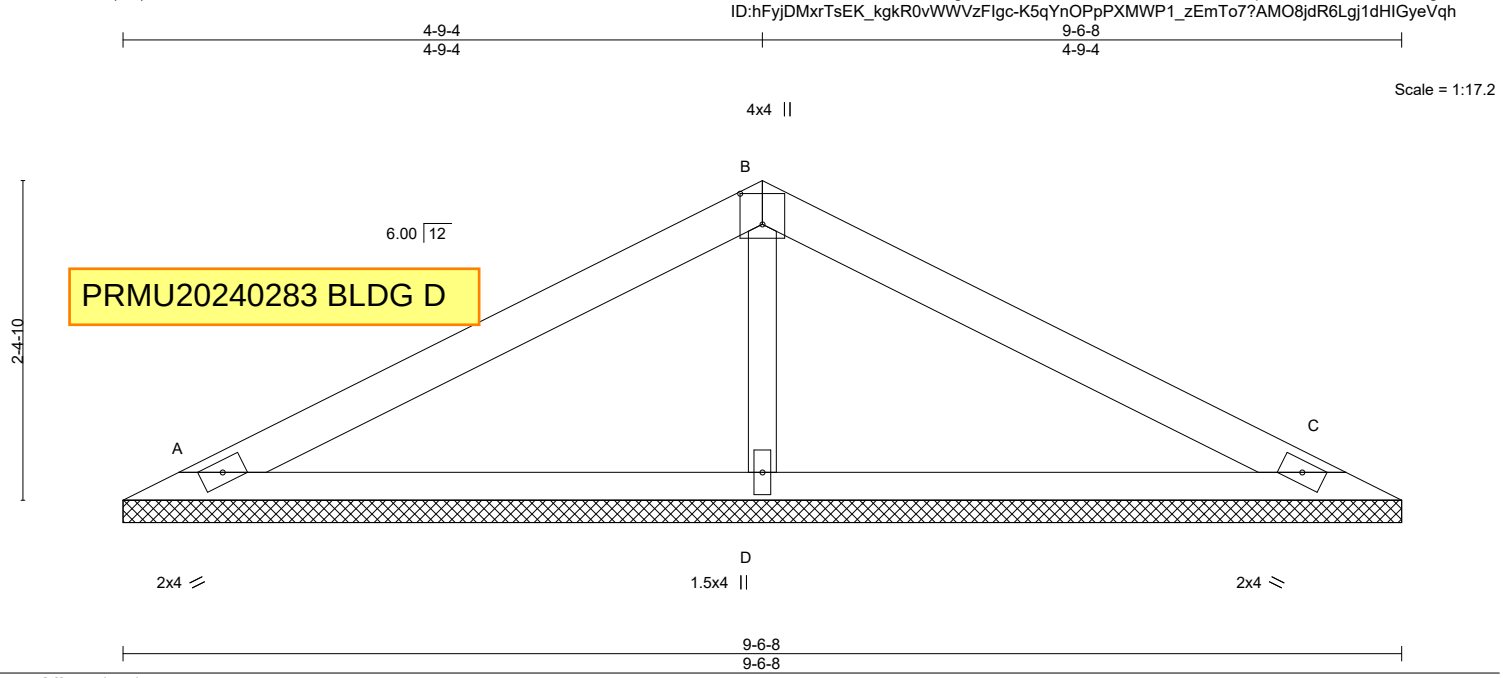

Plate Offsets (X,Y)-- [B:0-2-12,0-2-0]

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	0.41	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.28	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 20 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=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; 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	PRMU20240283 BLDG D	U1530885
N0653A	VH7	Valley	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
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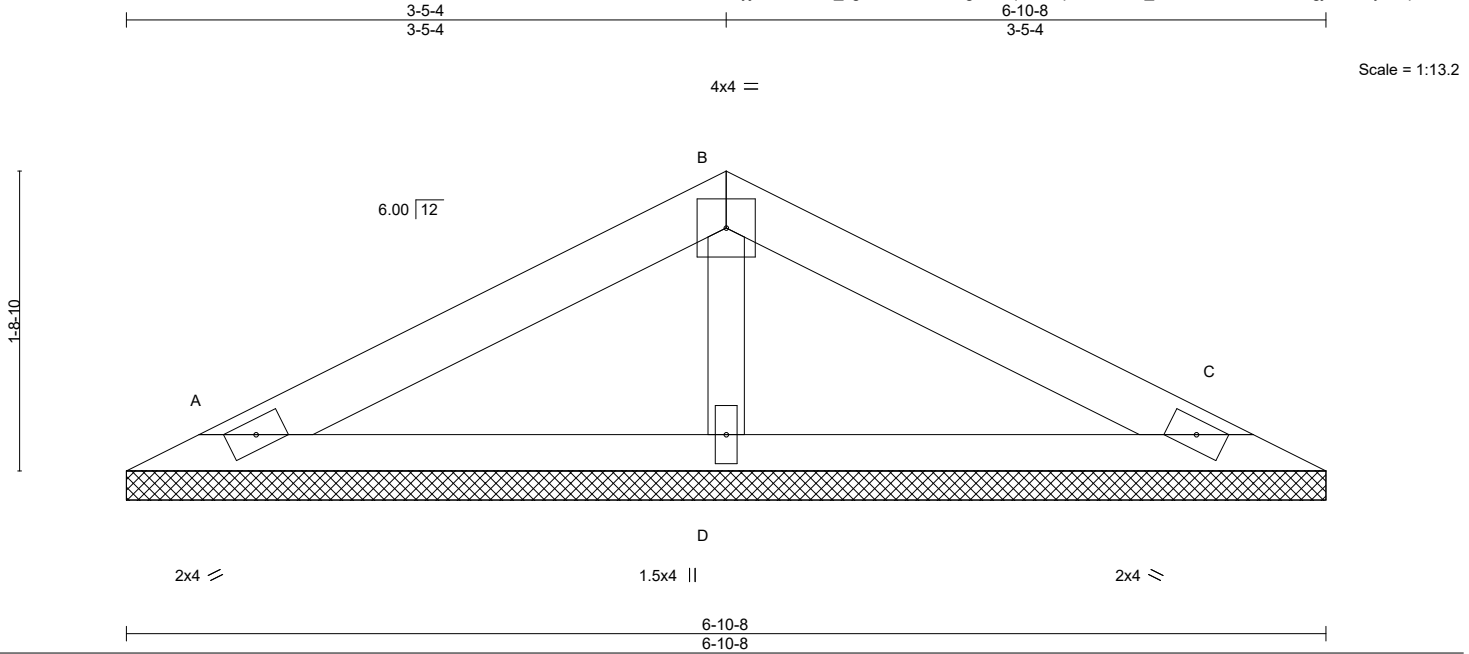

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VH8	Valley	20	1	U1530886
					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
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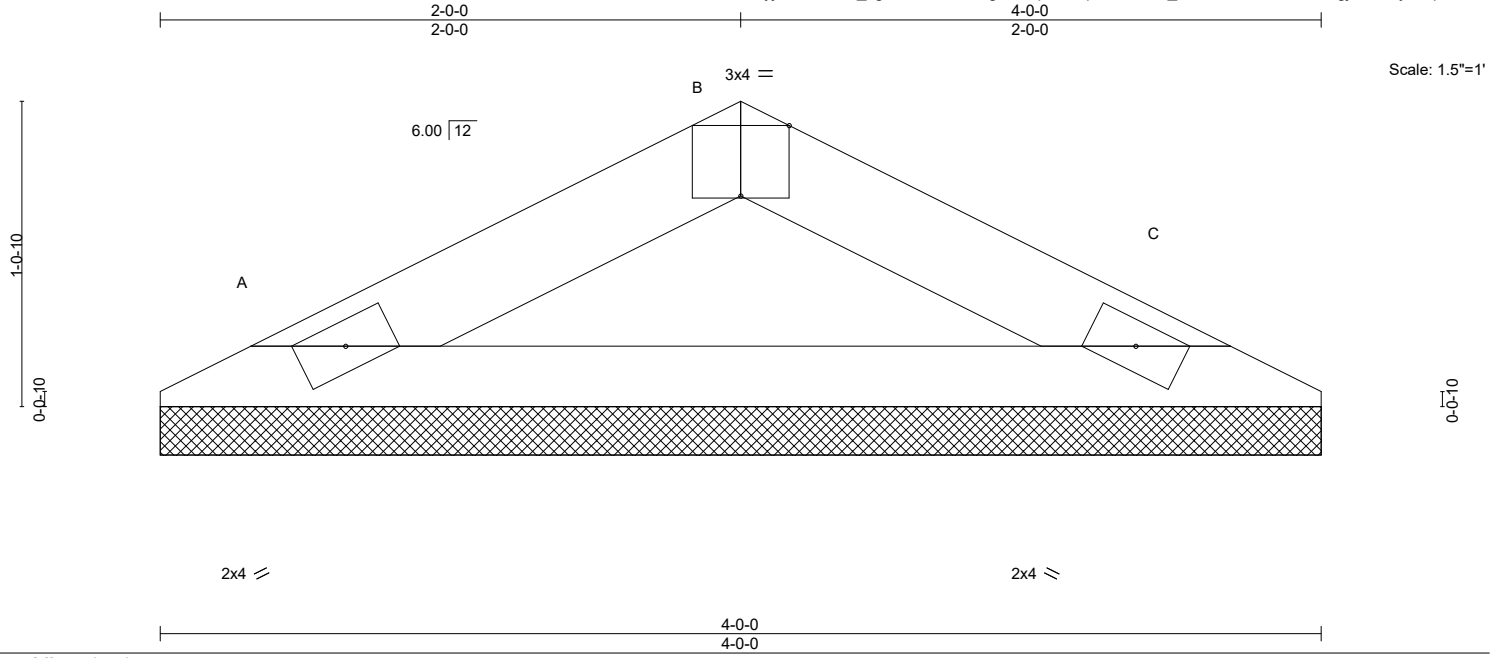

Plate Offsets (X,Y)-- [B:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.21	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 8 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-8 oc purlins.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VR1	Valley	1	1	U1530806
					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
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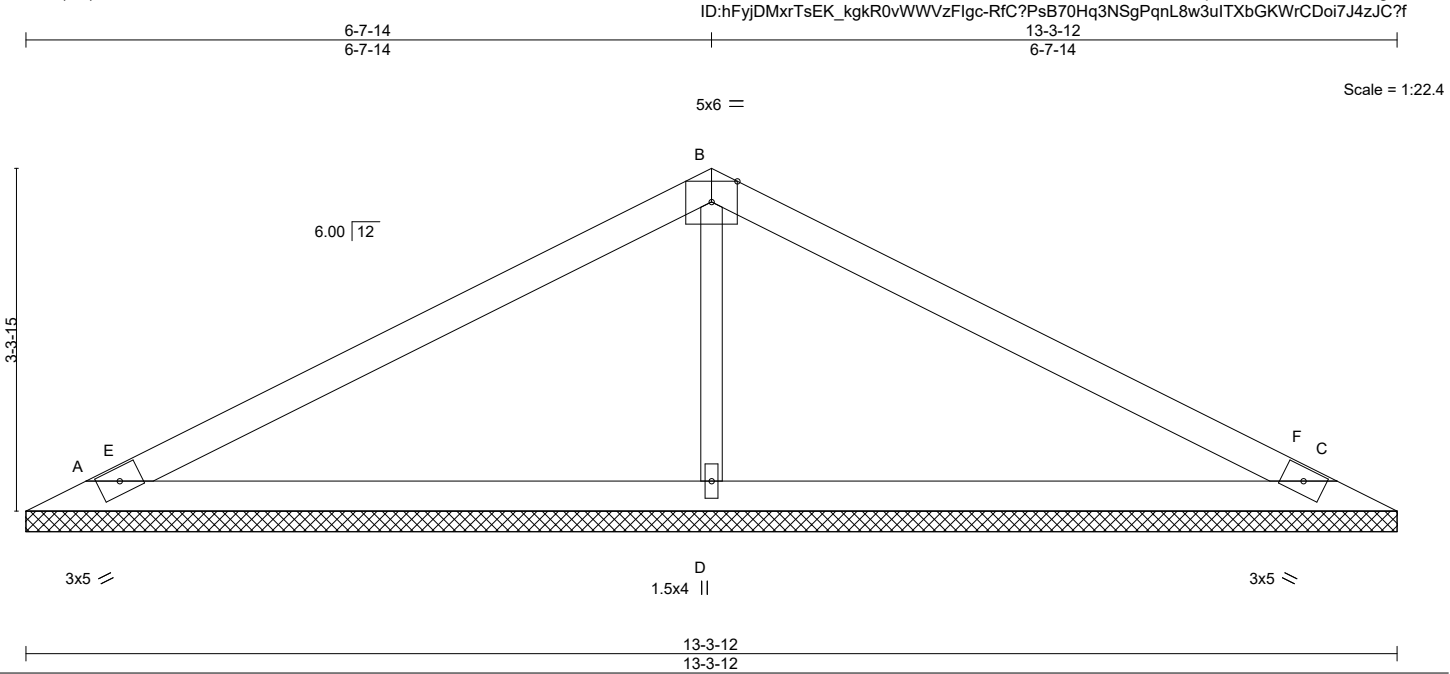

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.32	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 33 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VR2	Valley	1	1	U1530807
					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
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5-3-14 / 5-3-14 | 10-7-12 / 5-3-14

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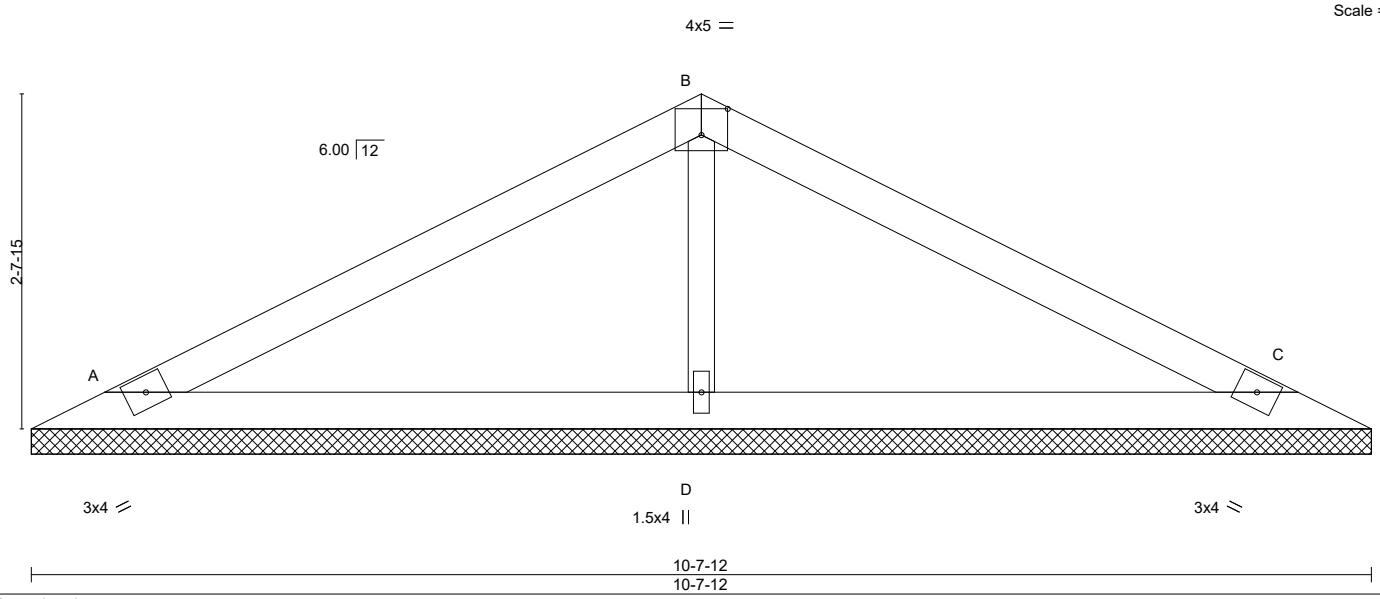

10-7-12 / 10-7-12

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

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	0.48	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.19	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-S							Weight: 26 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. (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; 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VR3	Valley	1	1	U1530808
					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
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3-11-14 | 7-11-12
3-11-14 | 3-11-14

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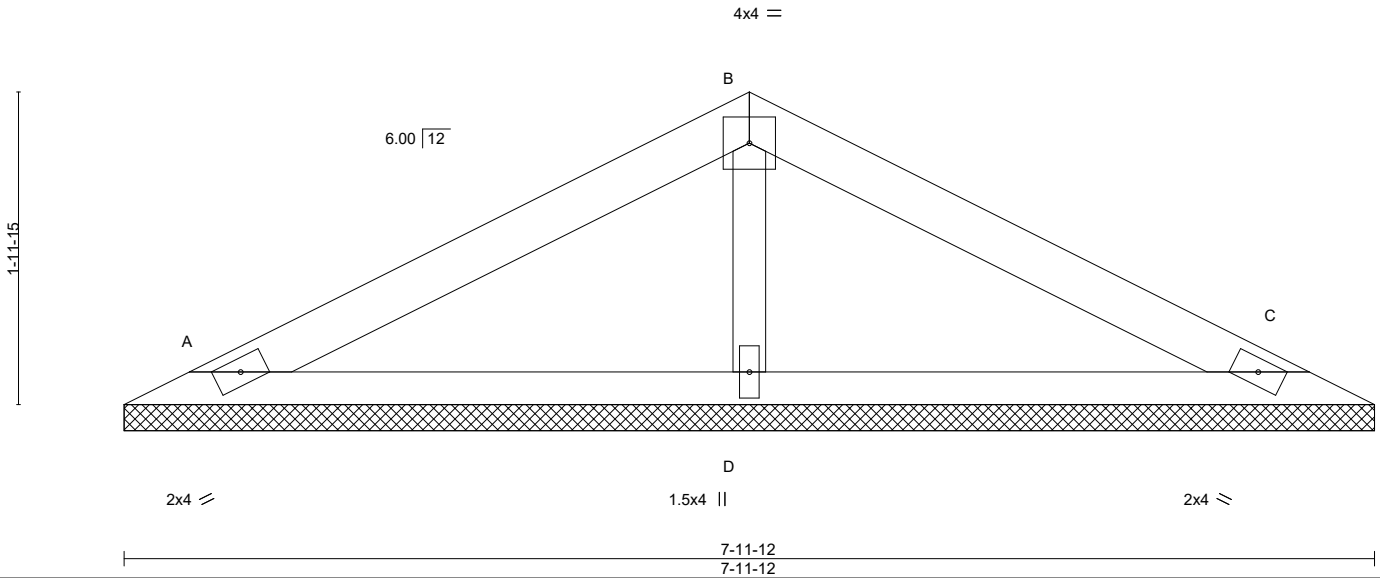

7-11-12
7-11-12

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	0.33	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	0.04	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 17 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=7-11-12, C=7-11-12, D=7-11-12
Max Horz A=23(LC 10)
Max Uplift A=-27(LC 10), C=-32(LC 11)
Max Grav A=223(LC 16), C=223(LC 17), D=314(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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VR4	Valley	1	1	U1530809
					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
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2-7-14 / 2-7-14 — 5-3-12 / 2-7-14

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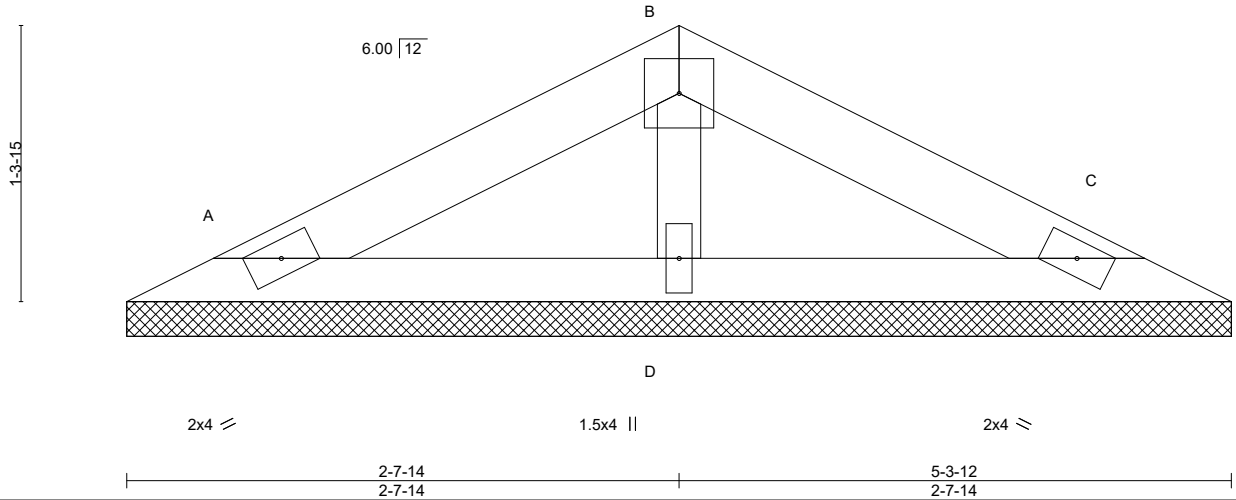

2-7-14 / 2-7-14 — 5-3-12 / 2-7-14

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	0.11	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	0.02	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 11 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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-
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VU1	Valley	20	1	U1530887
					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
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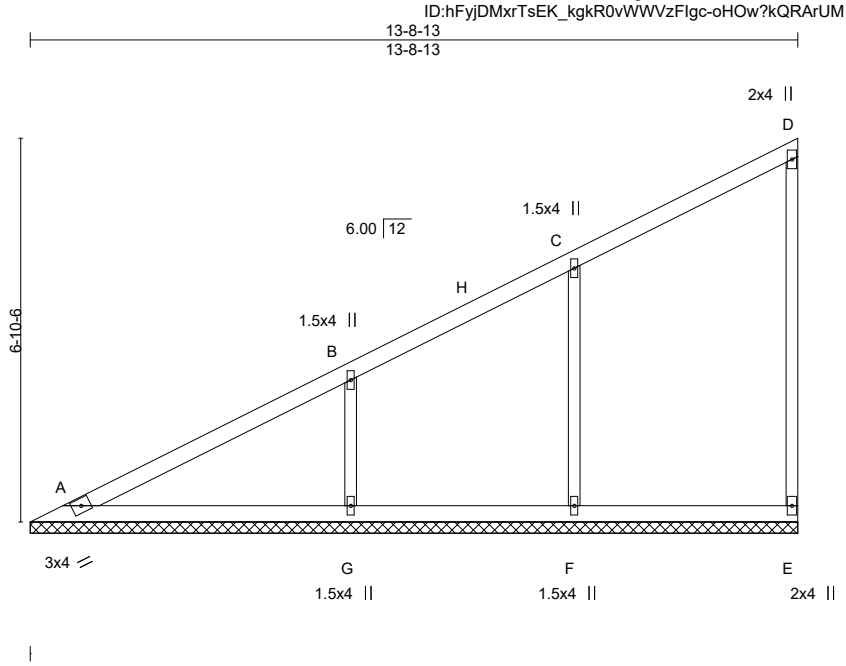

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.20	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	-0.00	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 43 lb	FT = 20%
BCDL	10.0											

LUMBER-

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

BRACING-

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

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VU2	Valley	20	1	U1530888
					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
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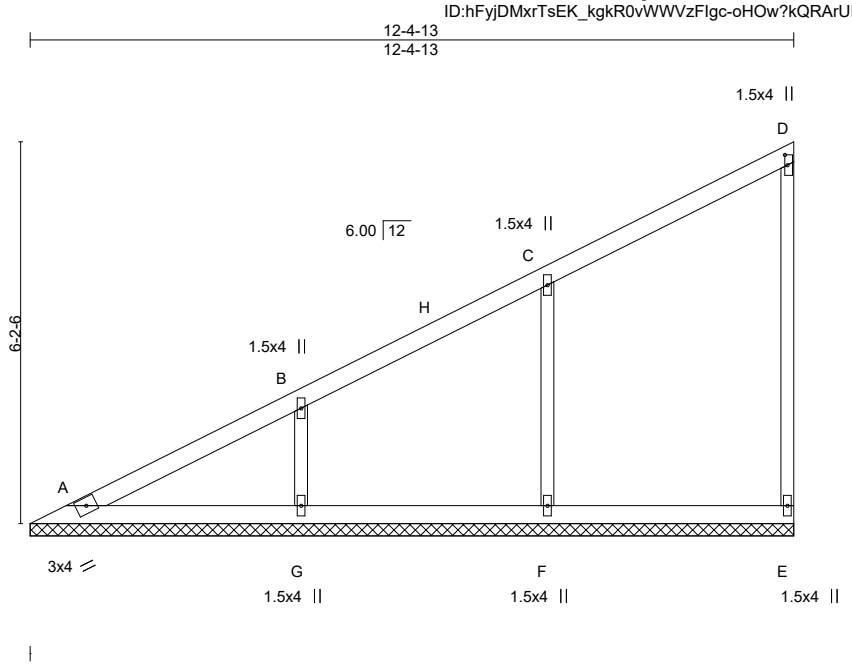

Plate Offsets (X,Y)-- [D:0-2-0,0-0-8]

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

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

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VU3	Valley	20	1	U1530889
					Job Reference (optional)

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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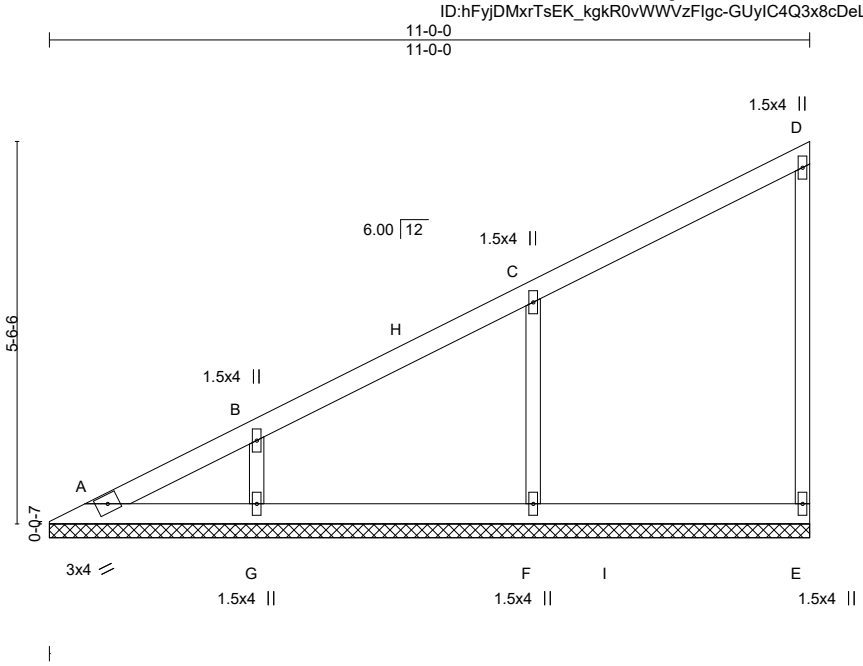

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	-0.00	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 33 lb	FT = 20%
BCDL	10.0											

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

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

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VU4	Valley	20	1	U1530890
					Job Reference (optional)

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

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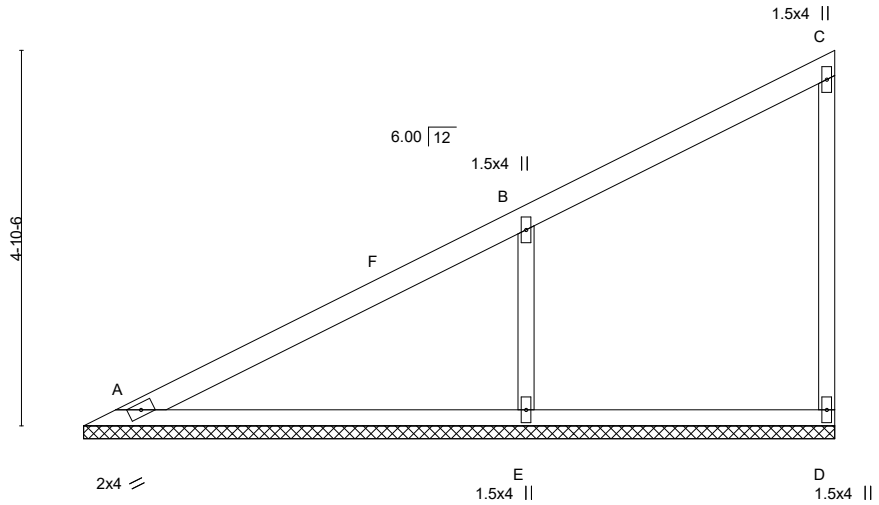

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.35	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)	-0.00	D	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 25 lb	FT = 20%
BCDL	10.0											

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

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

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VU5	Valley	20	1	U1530891
					Job Reference (optional)

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_kgkR0vWWVzFIgc-kgWgPQRhhSk4GVjXvv1VldouPLmoeSW6P?ryvbyeVqe

8-4-13
8-4-13

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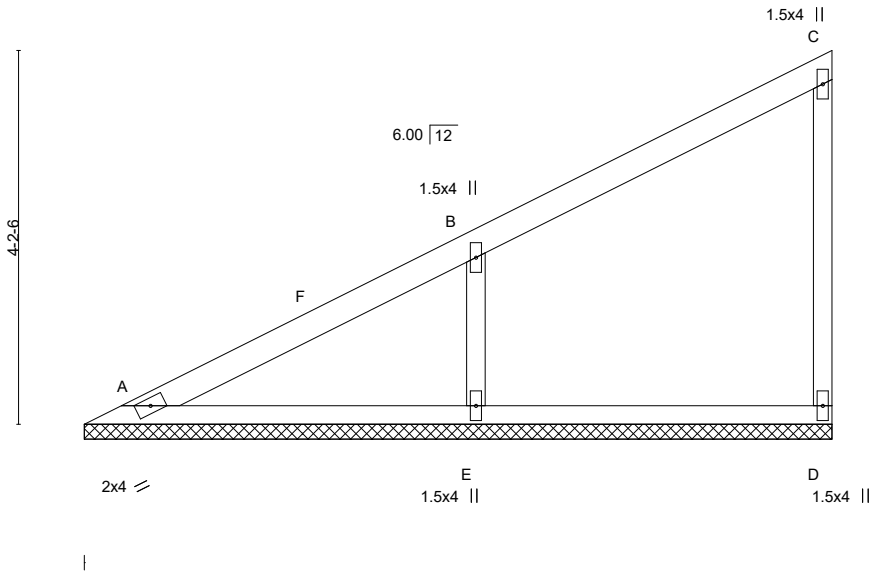

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.25	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.10	Horz(CT)	-0.00	D	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 21 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. (size) A=8-4-13, D=8-4-13, E=8-4-13
Max Horz A=120(LC 7)
Max Uplift D=-19(LC 7), E=-94(LC 10)
Max Grav A=136(LC 16), D=199(LC 16), E=607(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS B-E=-510/142

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VU6	Valley	20	1	U1530892
					Job Reference (optional)

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
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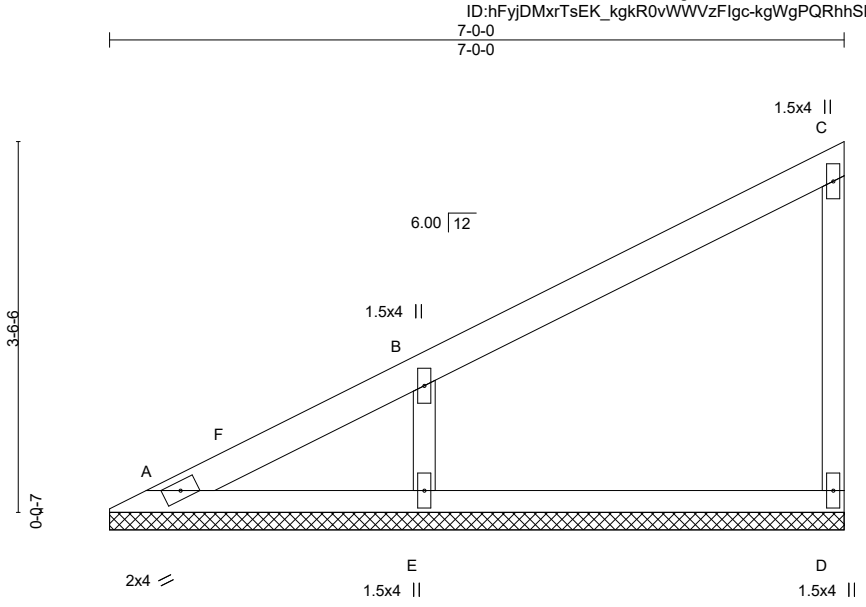

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.21	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00	D	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 17 lb	FT = 20%
BCDL	10.0											

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

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

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VU7	GABLE	20	1	U1530893
					Job Reference (optional)

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
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5-8-13
5-8-13

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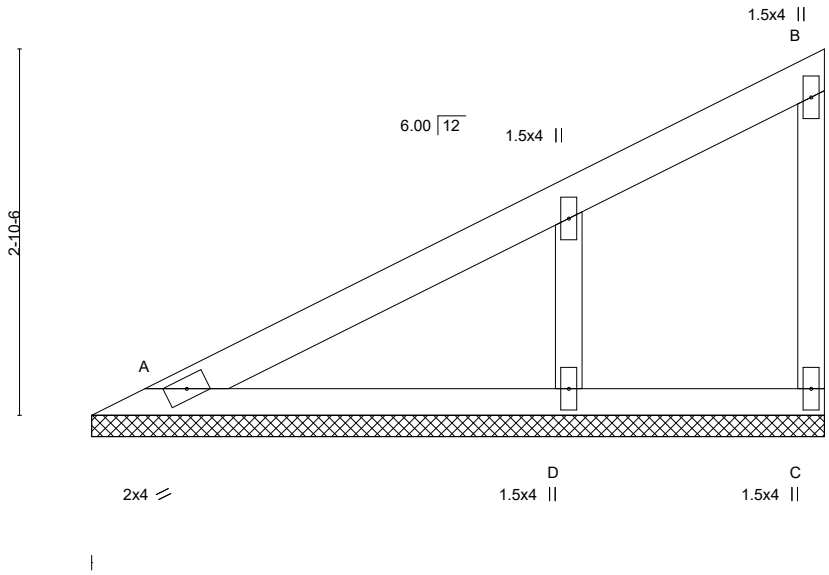

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 14 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VU8	Valley	20	1	U1530894
					Job Reference (optional)

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
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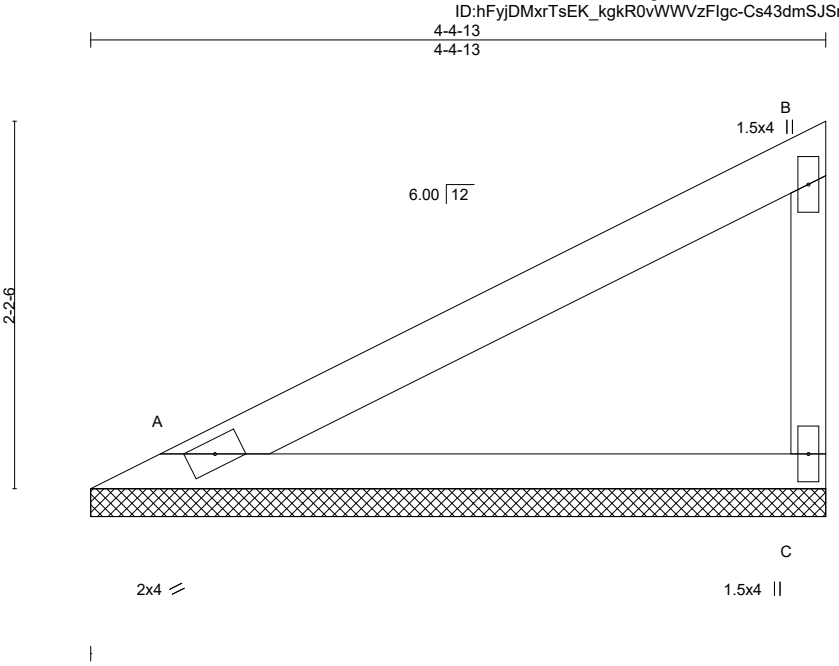

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.29	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 10 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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.

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	VU9	Valley	20	1	U1530895
					Job Reference (optional)

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
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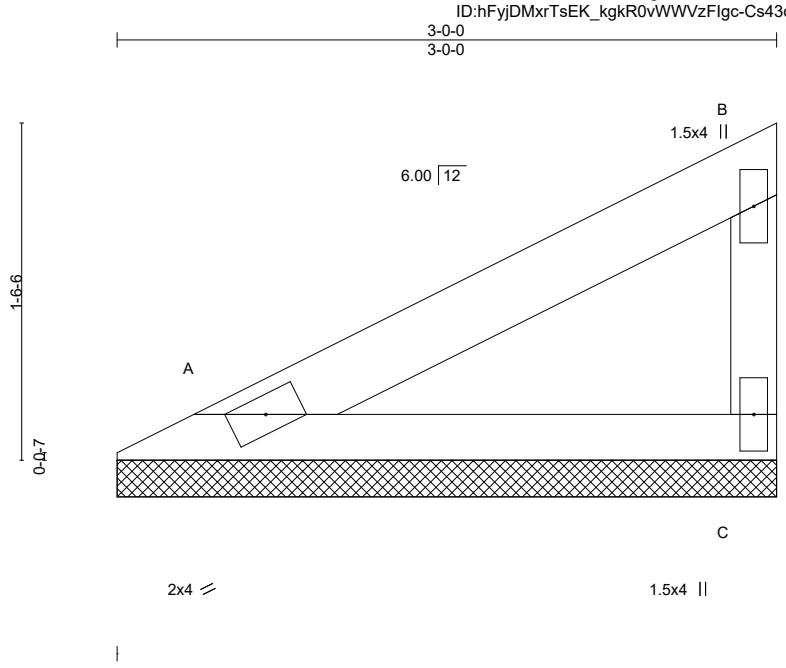

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	C	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-P							Weight: 7 lb	FT = 20%
BCDL	10.0											

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

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

REACTIONS. (size) A=3-0-0, C=3-0-0
Max Horz A=37(LC 7)
Max Uplift A=-10(LC 10), C=-19(LC 10)
Max Grav A=147(LC 16), C=147(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.

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	W1	GABLE	10	1	U1530810
					Job Reference (optional)

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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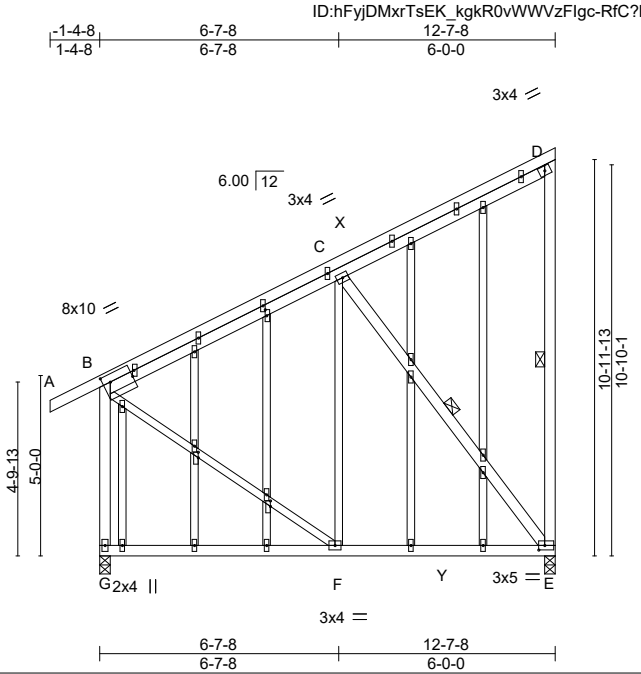

Plate Offsets (X,Y)-- [B:0-2-0,0-0-7], [B:0-2-8,0-2-8], [E:0-2-0,0-1-8], [P:0-1-13,0-0-0], [Q:0-2-0,0-0-8], [S:0-1-13,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.05	E-F	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.09	F-G	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	-0.01	E	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	-0.04	E-F	>999	240	Weight: 115 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt D-E, C-E

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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	W2	Monopitch	20	1	U1530811
					Job Reference (optional)

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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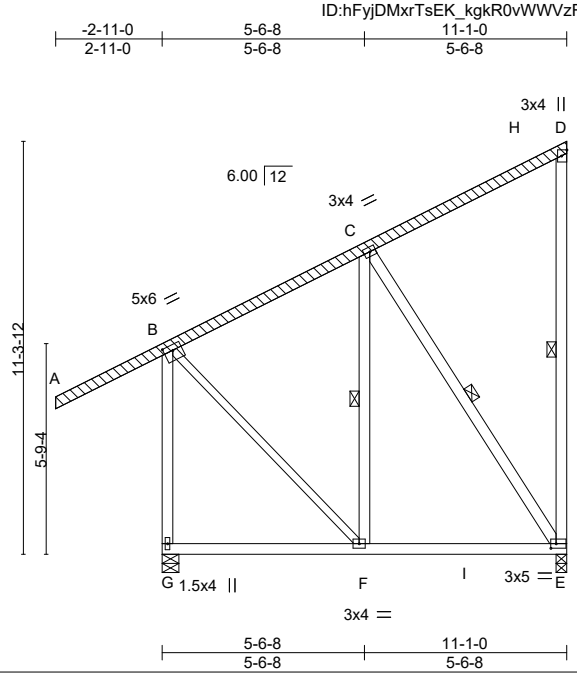

Plate Offsets (X,Y)-- [B:0-3-0,0-1-12], [D:Edge,0-1-12], [E:0-1-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.04	E-F	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.06	E-F	>999	240		
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-MS		Wind(LL)	-0.03	E-F	>999	240	Weight: 93 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
B-F: 2x3 SPF No.2
OTHERS 2x4 SPF No.2
LBR SCAB A-D 2x4 SPF No.2 one side

BRACING-
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.
WEBS 1 Row at midpt D-E, C-F, C-E

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)

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

NOTES-
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.

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	X1	GABLE	8	1	Job Reference (optional)	U1530812

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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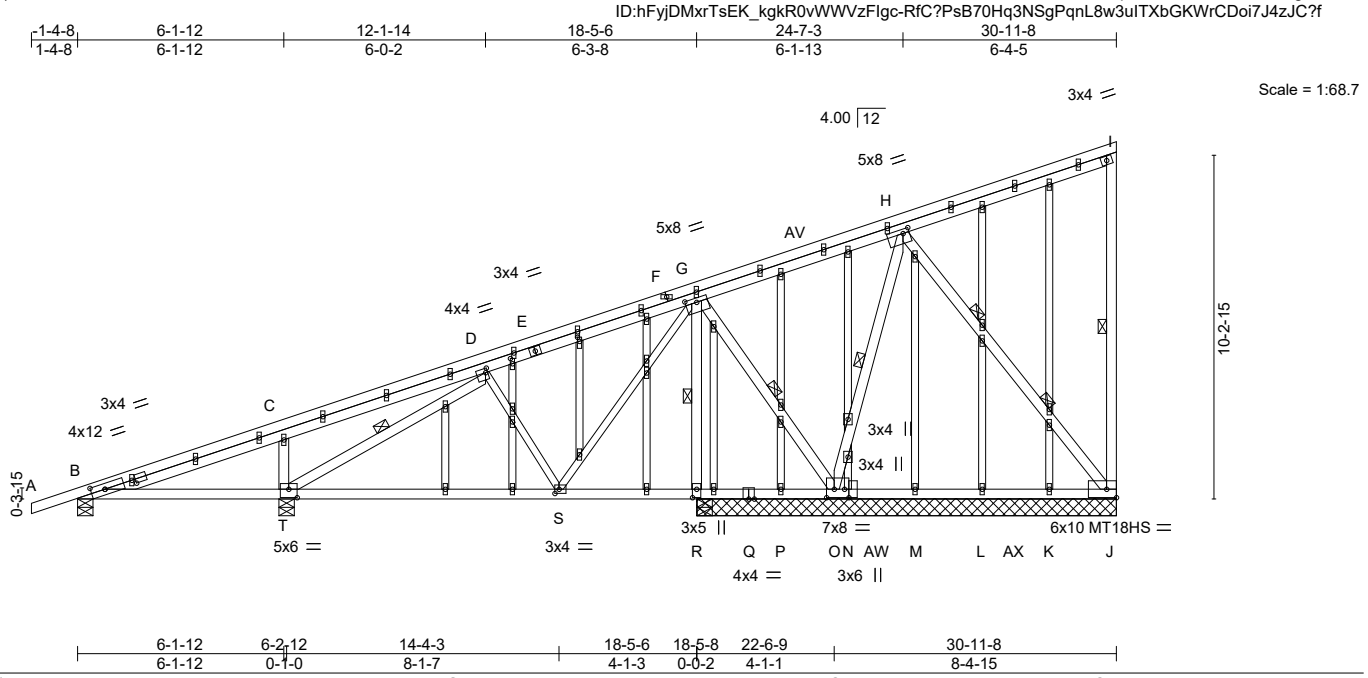

Plate Offsets (X,Y)-- [B:0-5-0,0-2-0], [B:0-11-7,0-1-8], [D:0-0-12,0-1-8], [G:0-4-0,0-1-8], [H:0-2-4,0-1-8], [N:0-3-0,0-1-9], [O:0-2-12,0-3-0], [R:0-3-0,0-1-8], [S:0-1-8,0-1-8], [T:0-3-0,0-3-0], [AM:0-1-7,0-0-12], [AO:0-1-14,0-0-12]

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	0.81	Vert(LL)	-0.10	S-T	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.19	S-T	>793	240	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.98	Horz(CT)	-0.11	K	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.07	T-AU	>999	240	Weight: 221 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-10-8 oc bracing.
WEBS 1 Row at midpt I-J, D-T, G-O, H-O, G-R
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-J=-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) J=2155, B=586, T=1144, O=921, R=2317.

September 12,2024

Continued on page 2

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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.

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	X2	Monopitch	32	1	U1530813
					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
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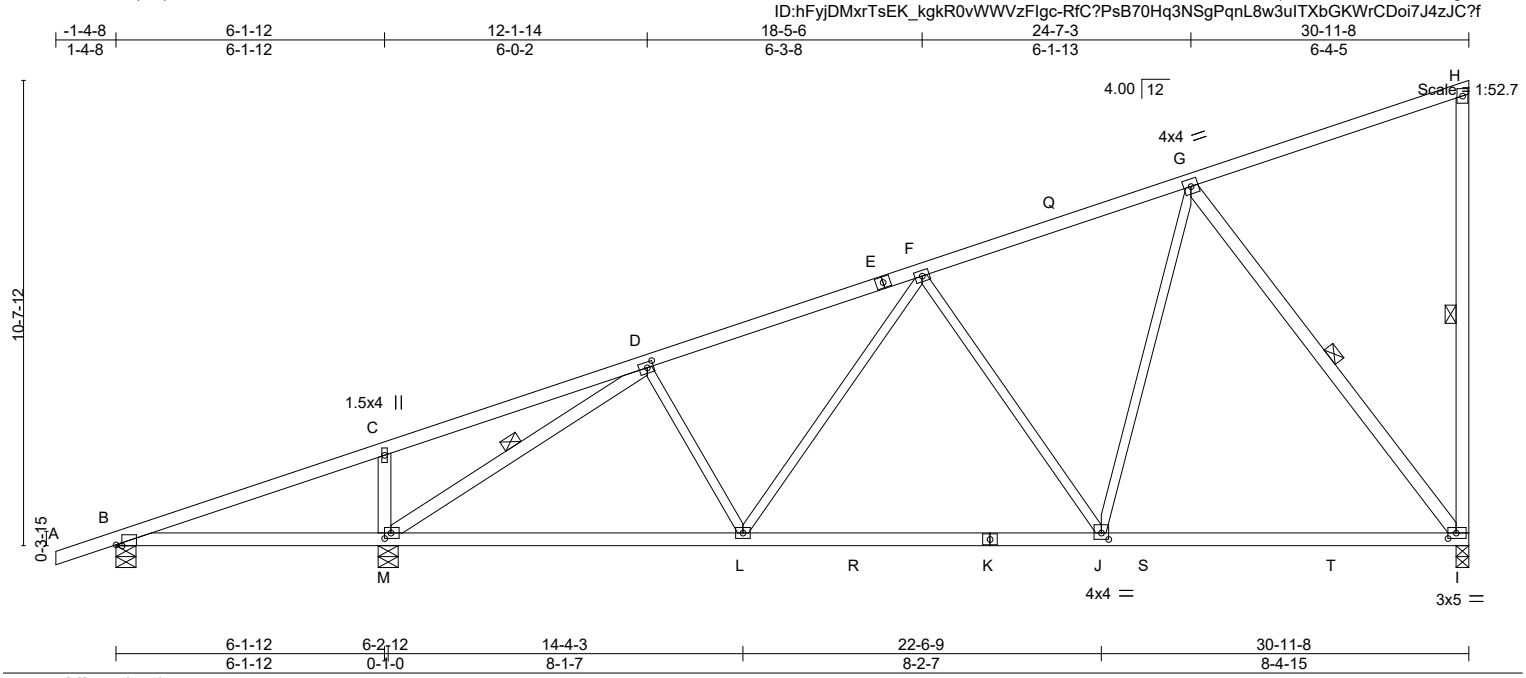


Plate Offsets (X,Y)-- [B:0-1-10,Edge], [D:0-1-12,0-1-8], [I:0-2-4,0-1-8], [J:0-2-0,0-1-12], [M:0-1-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.22	I-J	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.35	I-J	>842	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.05	I	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	-0.06	I-J	>999	240	Weight: 129 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: B-M.
WEBS 1 Row at midpt H-I, D-M, G-I

REACTIONS. (size) I=0-3-8, B=0-5-8, M=0-5-8
Max Horz B=347(LC 9)
Max Uplift I=-169(LC 10), B=-48(LC 6), M=-195(LC 10)
Max Grav I=1468(LC 3), B=291(LC 1), M=1728(LC 3)

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

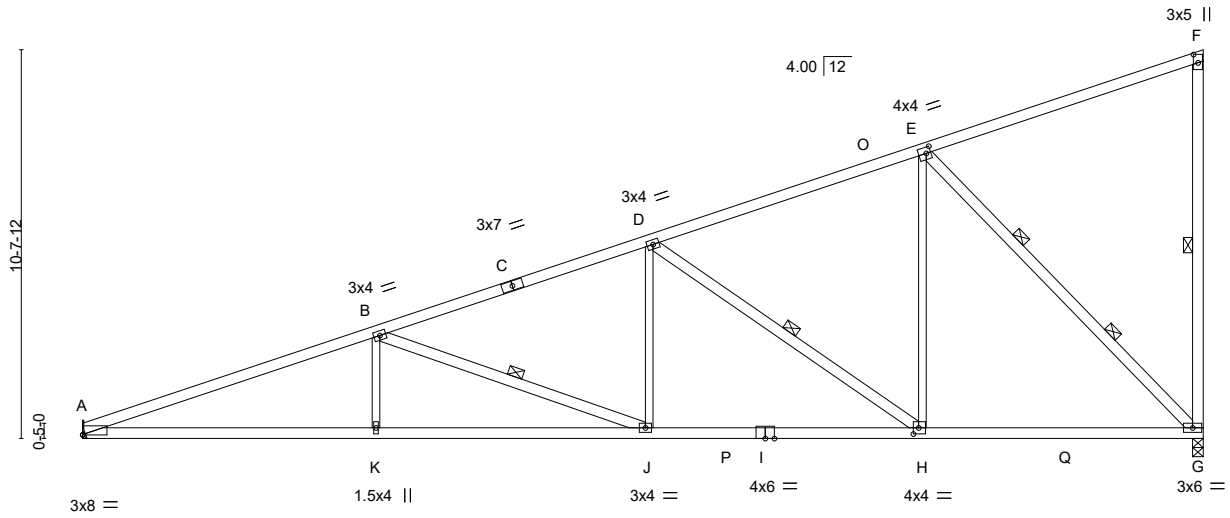
MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	X3	Roof Special	8	1	U1530896
					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_kgkR0vWWVzFIgc-g3eRq6TxD3_oVosw1J3zq2t4x9Gj6CjPtIK2_TyeVqc

8-0-7	15-6-4	23-0-1	30-8-6
8-0-7	7-5-13	7-5-13	7-8-5

Scale = 1:63.1



8-0-7	15-6-4	23-0-1	30-8-6
8-0-7	7-5-13	7-5-13	7-8-5

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]

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	0.99	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	Weight: 127 lb	FT = 20%
BCDL	10.0											

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.	
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:	
	2-2-0 oc bracing: H-J.	
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

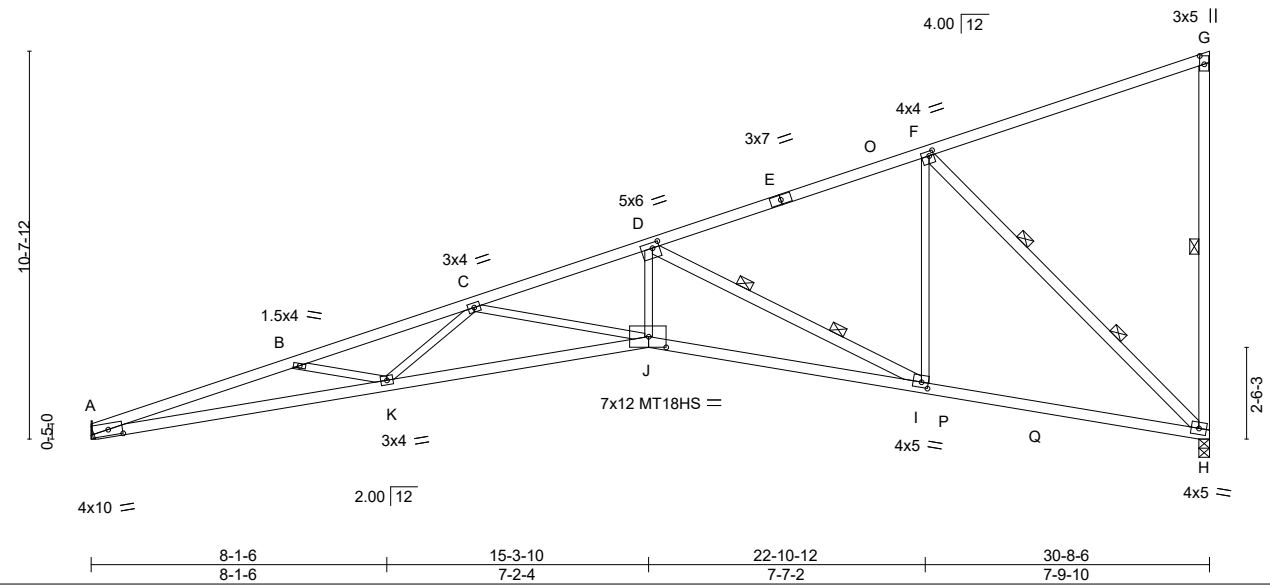
MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	X3A	Roof Special	48	1	U1530897
					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_kgkR0vWWVzFIgc-g3eRq6TxD3_oVosw1J3zq2t8f9H669FPtIK2_TyeVqc

5-8-10	10-6-2	15-3-10	22-10-12	30-8-6
5-8-10	4-9-8	4-9-8	7-7-2	7-9-10

Scale = 1:63.2



8-1-6	15-3-10	22-10-12	30-8-6
8-1-6	7-2-4	7-7-2	7-9-10

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

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	0.76	Vert(LL)	-0.65	J-K	>568	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.83	Vert(CT)	-1.16	J-K	>317	240	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.50	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.34	J-K	>999	240	Weight: 121 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-2-13 oc bracing.
WEBS 1 Row at midpt G-H
2 Rows at 1/3 pts D-I, F-H

REACTIONS. (size) H=0-3-8, A=Mechanical
Max Horz A=339(LC 9)
Max Uplift H=-208(LC 10), A=-156(LC 6)
Max Grav H=1745(LC 16), A=1521(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-6667/817, B-C=-6340/677, C-D=-4792/541, D-F=-1721/188, G-H=-367/63
BOT CHORD A-K=-905/6352, J-K=-748/5680, I-J=-549/4582, H-I=-147/1630
WEBS B-K=-389/180, C-K=0/586, C-J=-1107/201, D-J=-191/2169, D-I=-3298/458, F-I=-67/1380, F-H=-2226/290

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) H 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) H=208, A=156.
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

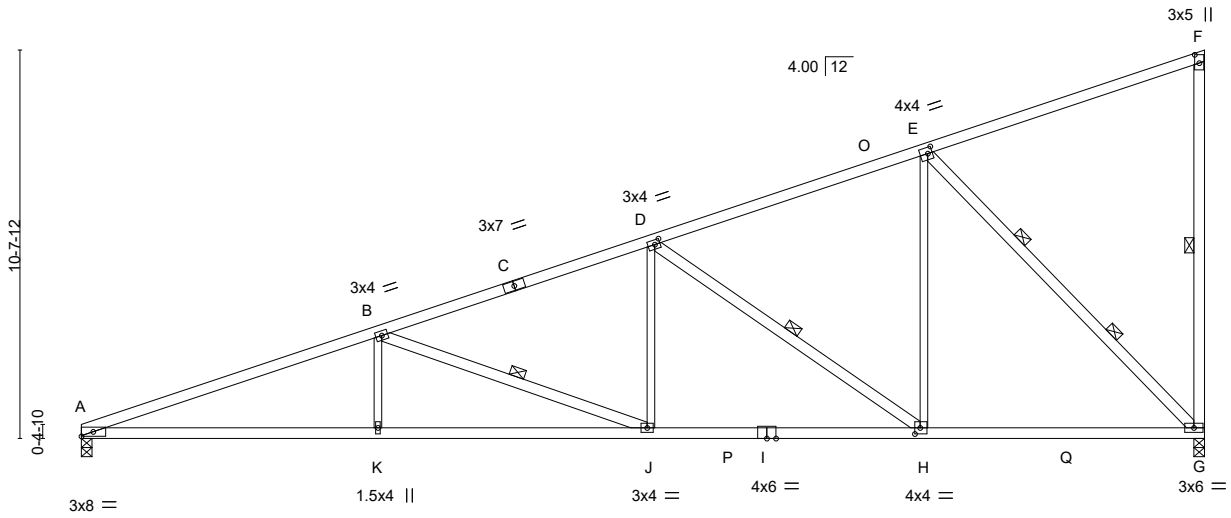
MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	X4	Monopitch	48	1	U1530814
					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?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

8-1-9 | 15-7-6 | 23-1-3 | 30-9-8
8-1-9 | 7-5-13 | 7-5-13 | 7-8-5

Scale = 1:63.2



8-1-9 | 15-7-6 | 23-1-3 | 30-9-8
8-1-9 | 7-5-13 | 7-5-13 | 7-8-5

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: H-J.
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

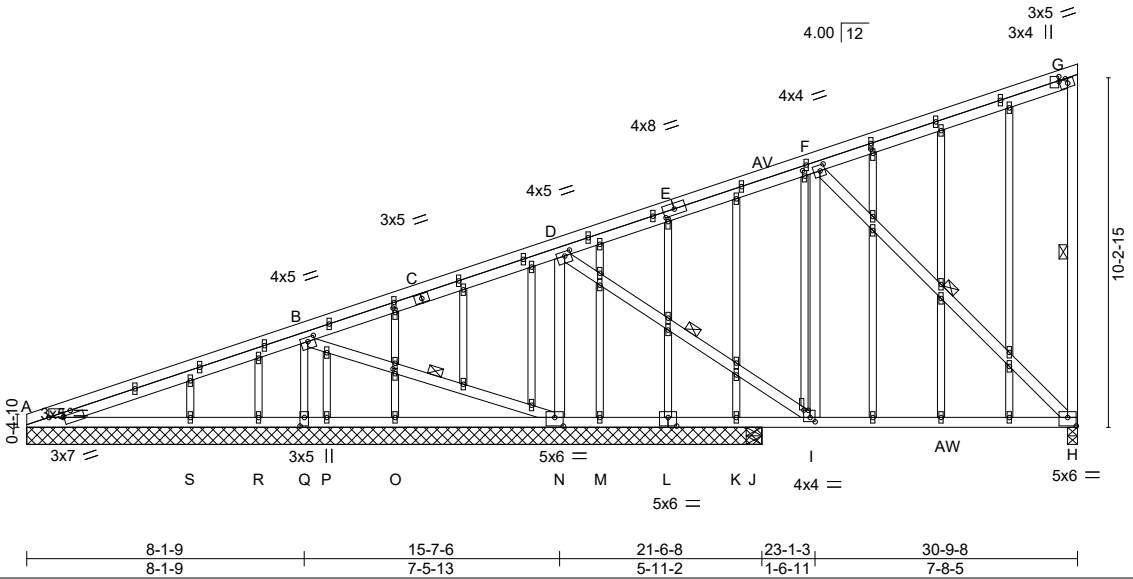
MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	X5	GABLE	8	1	U1530815
					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
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

8-1-9 | 15-7-6 | 23-1-3 | 30-9-8
8-1-9 | 7-5-13 | 7-5-13 | 7-8-5

Scale = 1:67.5



8-1-9 | 15-7-6 | 21-6-8 | 23-1-3 | 30-9-8
8-1-9 | 7-5-13 | 5-11-2 | 1-6-11 | 7-8-5

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]

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)	-0.13	H-I	>842	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.23	H-I	>487	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.94	Horz(CT)	-0.03	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	-0.05	H-I	>999	240	Weight: 216 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2 *Except* C-G,A-C: 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except* B-Q: 2x3 SPF No.2
OTHERS 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-3-4 oc bracing.
WEBS 1 Row at midpt G-H, B-N, D-I, F-H

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

Continued on page 2

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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	
N0653A	Y1	GABLE	12	1	Job Reference (optional)	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 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

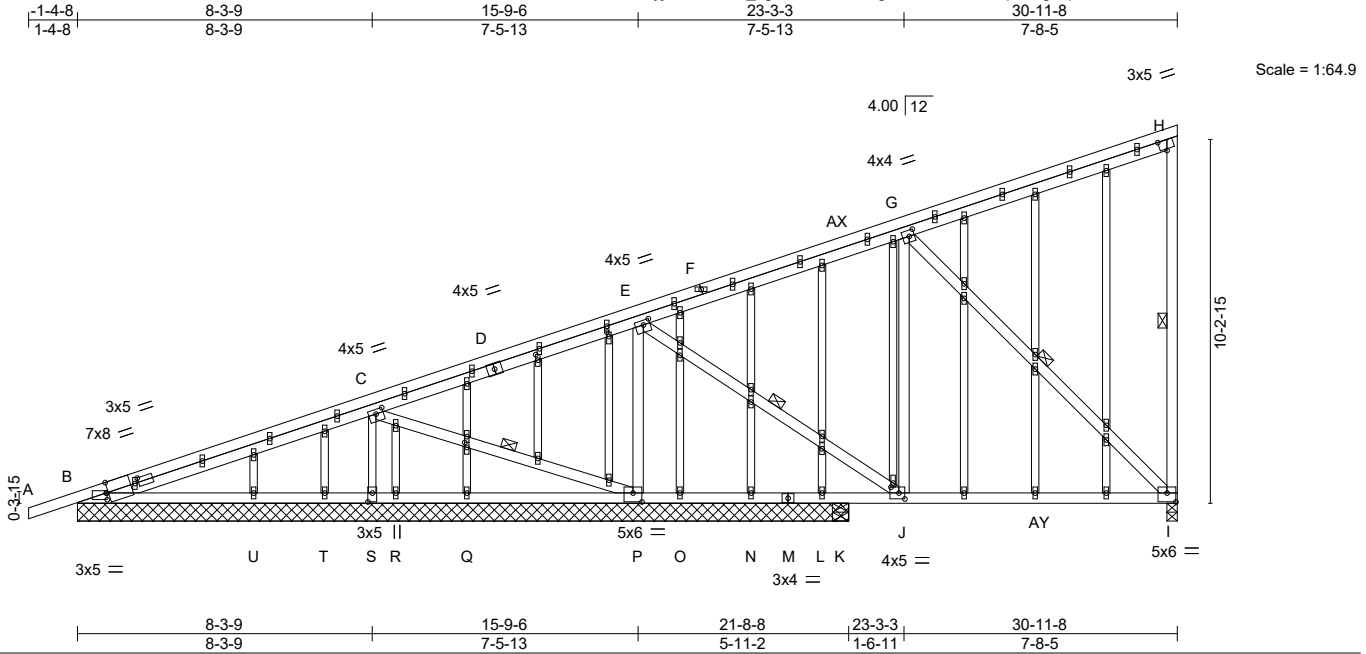


Plate Offsets (X,Y)-- [B:0-0-11,Edge], [B:0-11-7,0-1-8], [B:0-0-4,0-2-4], [C:0-2-8,0-1-8], [E:0-2-4,0-1-8], [G:0-1-12,0-2-0], [H:0-2-3,Edge], [I:0-3-0,0-3-0], [J:0-2-0,0-2-0], [J:0-1-6,0-0-12], [P:0-3-0,0-3-0], [S:0-3-0,0-1-8], [AM:0-1-7,0-0-12], [AO:0-1-14,0-0-12], [AP:0-1-11,0-0-12]

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)	-0.13	I-J	>841	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.23	I-J	>487	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.98	Horz(CT)	-0.03	I	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	-0.05	I-J	>999	240	Weight: 218 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2 *Except*
D-H,A-F: 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
C-S: 2x3 SPF No.2
OTHERS 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-6-4 oc bracing.
WEBS 1 Row at midpt H-I, C-P, E-J, G-I

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 (jt=lb) I=905, B=1107, S=1564, P=1031, T=119, K=218, B=1107.

Continued on page 2

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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.

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	Y2A	Monopitch	66	1	U1530898
					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
ID:hFyjDMxrTsEK_kgkR0vWWVzFIgc-8FCp2STZ_N6f7yR6b1aCNGQHBYdmrbgY5y4cWwyeVqb

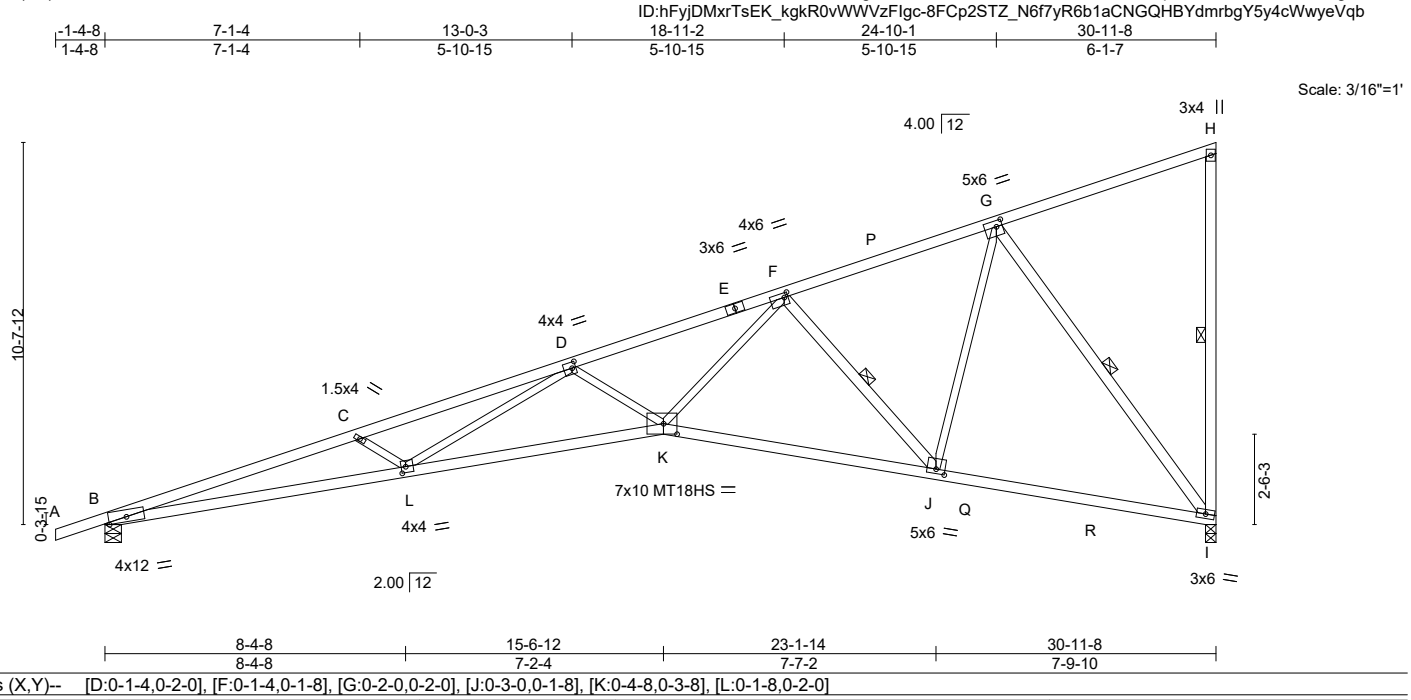


Plate Offsets (X,Y)-- [D:0-1-4,0-2-0], [F:0-1-4,0-1-8], [G:0-2-0,0-2-0], [J:0-3-0,0-1-8], [K:0-4-8,0-3-8], [L:0-1-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	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	Weight: 123 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2 *Except*
A-E: 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
H-I,F-J,G-I: 2x4 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 8-3-2 oc bracing.
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=lb) 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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	Y3A	Monopitch	6	1	U1530899
					Job Reference (optional)

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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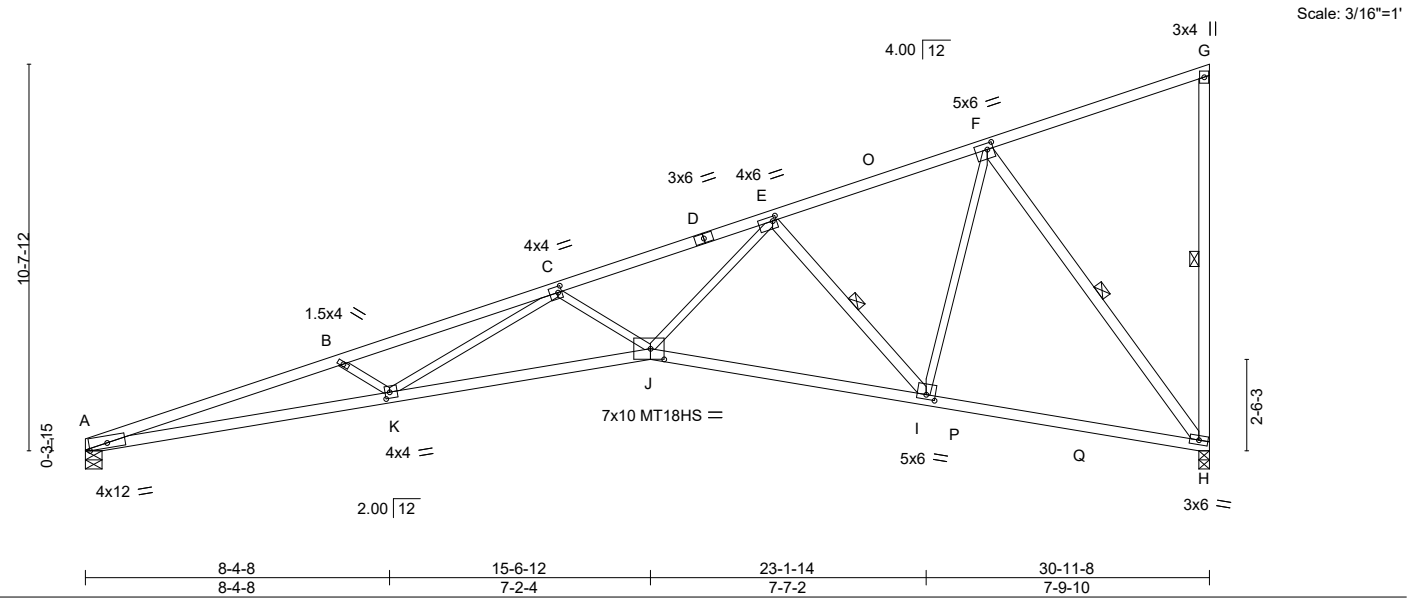

Plate Offsets (X,Y)-- [C:0-1-4,0-2-0], [E:0-1-4,0-1-8], [F:0-2-0,0-2-0], [I:0-3-0,0-1-8], [J:0-4-8,0-3-8], [K:0-1-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	-0.64	J-K	>579	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.88	Vert(CT)	-1.14	J-K	>323	240	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.47	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.33	J-K	>999	240	Weight: 121 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2 *Except*
A-D: 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF 2100F 1.8E
WEBS 2x3 SPF No.2 *Except*
G-H,E-I,F-H: 2x4 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 8-2-7 oc bracing.
WEBS 1 Row at midpt G-H, E-I, F-H

REACTIONS. (size) H=0-3-8, A=0-5-8
Max Horz A=340(LC 9)
Max Uplift H=-209(LC 10), A=-157(LC 6)
Max Grav H=1764(LC 3), A=1535(LC 3)

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

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) 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.

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H	
N0653A	Y4	Monopitch	30	1	Job Reference (optional)	U1530817

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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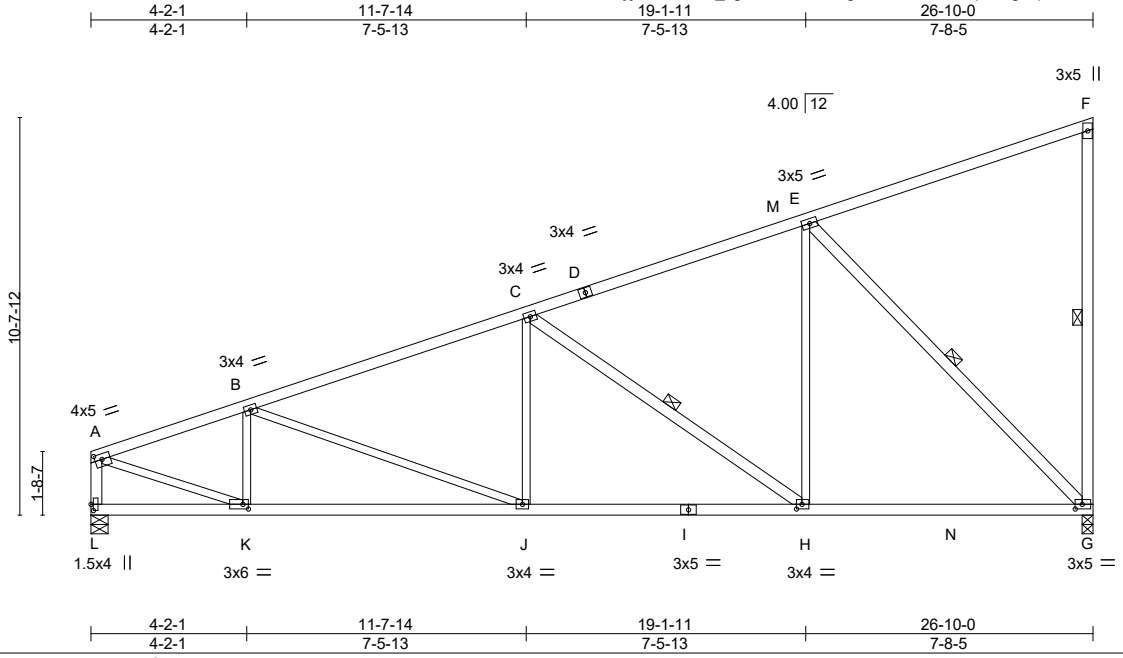

Plate Offsets (X,Y)-- [A:0-2-4,0-1-12], [G:0-2-4,0-1-8], [H:0-1-12,0-1-8], [K:0-1-12,0-1-8], [L:0-2-0,0-0-12]

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	0.70	Vert(LL)	-0.16	G-H	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.26	G-H	>999	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.06	G	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.05	G-H	>999	240	Weight: 120 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E *Except*
A-D: 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
F-G,C-H,E-G,A-L: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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) 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=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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	Y5	GABLE	6	1	U1530900
					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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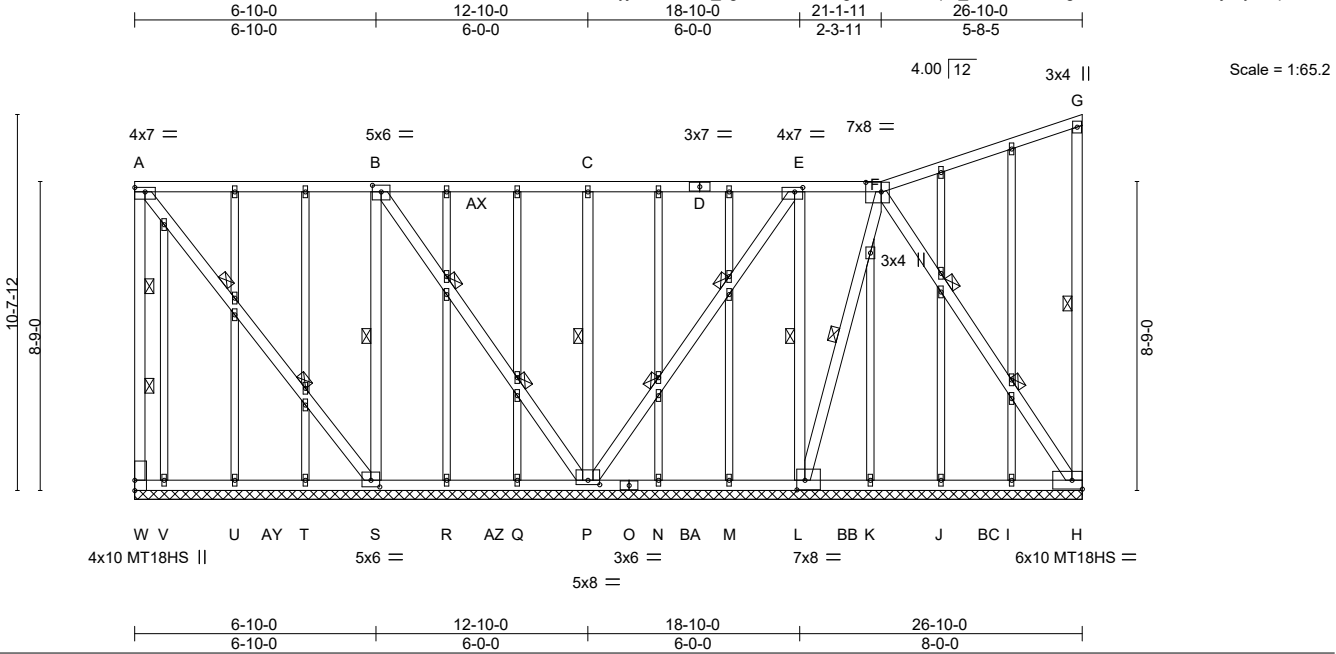


Plate Offsets (X,Y)-- [A:Edge,0-1-8], [B:0-3-0,0-2-4], [E:0-2-12,0-1-8], [F:0-5-4,0-3-4], [L:0-2-12,0-3-4], [P:0-4-0,0-1-8], [S:0-3-0,0-2-4]

LOADING (psf)		SPACING-	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	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.33	Vert(CT)	n/a	-	n/a	999	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	-0.02	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 231 lb	FT = 20%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-6-12 oc bracing.
WEBS 1 Row at midpt G-H, B-S, C-P, E-L, F-L
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) 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 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

Continued on page 2

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
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 02:47:59 2024 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Scale = 1:80.3

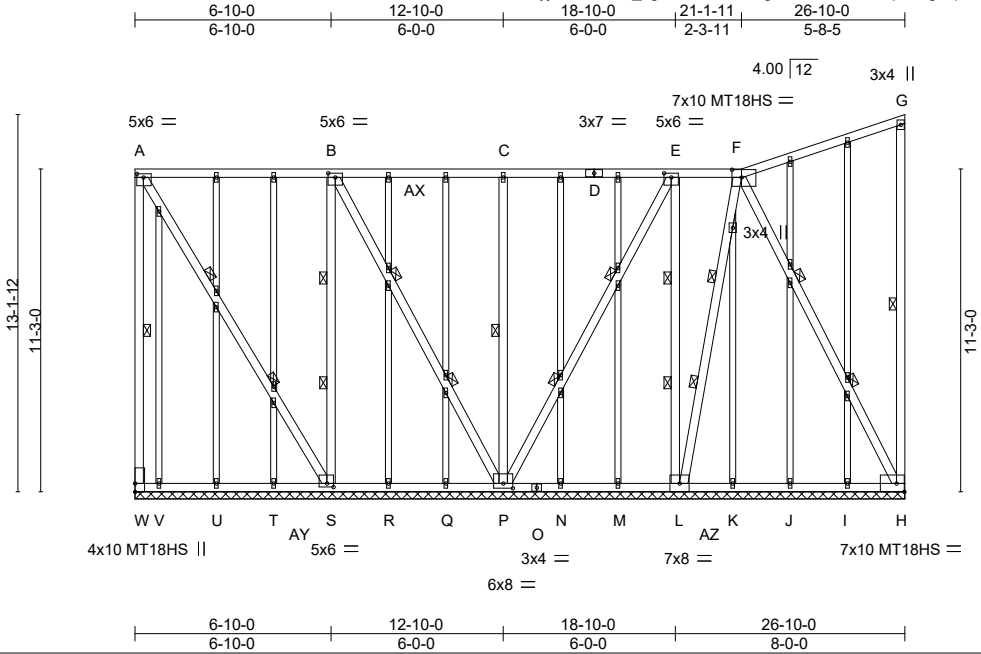


Plate Offsets (X,Y)-- [A:0-2-12,0-1-8], [B:0-3-0,0-1-12], [E:0-3-0,0-1-12], [F:0-4-0,0-3-4], [H:0-3-4,Edge], [P:0-4-0,0-2-0], [S:0-2-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.32	Vert(CT)	n/a	-	n/a	999	MT18HS	197/144
TCDL	12.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	-0.02	H	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-S							Weight: 278 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF 2100F 1.8E *Except*
G-H,B-S,C-P,E-L: 2x4 SPF No.2
OTHERS 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-7-8 oc bracing.
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

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

Continued on page 2

September 12,2024

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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
N0653A	Y7	MONOPITCH	36	1	U1530819
					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
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

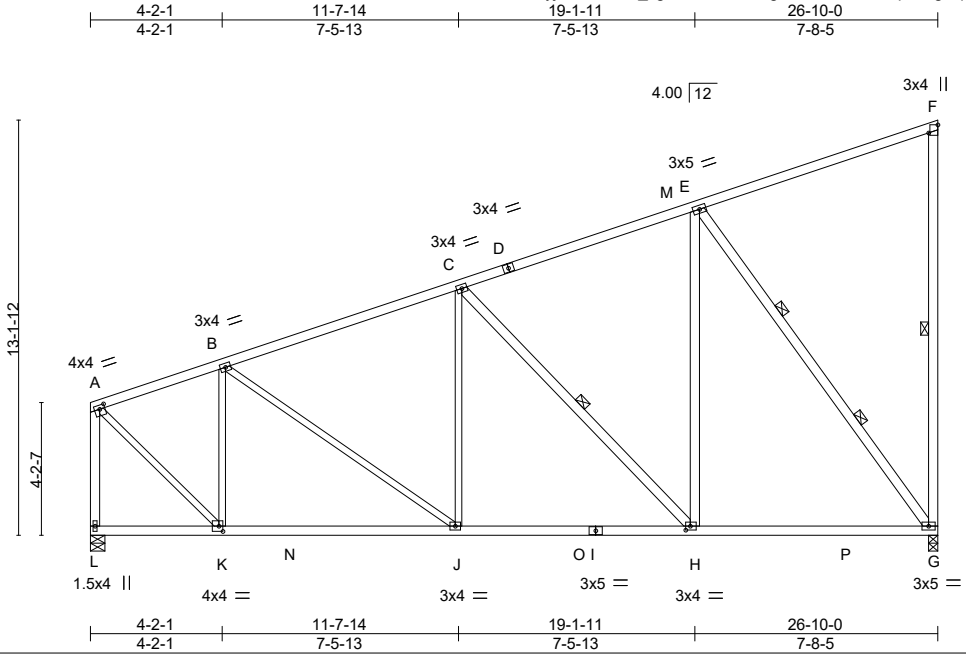


Plate Offsets (X,Y)-- [A:0-2-0,0-1-8], [F:Edge,0-3-8], [H:0-1-12,0-1-8], [K:0-1-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	-0.16	G-H	>999	360	MT20	197/144
(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	Weight: 141 lb	FT = 20%
BCDL	10.0											

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
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

MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	Buildings A-H
N0653A	Y8A	GABLE	6	1	U1530901
					Job Reference (optional)

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_5A0BnRs80a2pfhyeVqX

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

Scale = 1:76.8

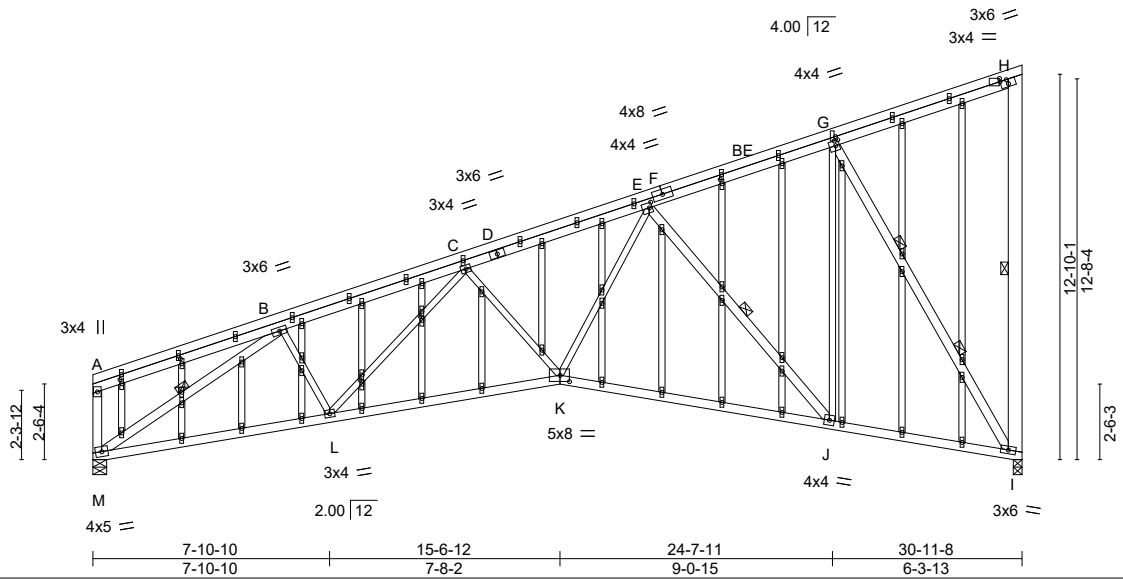


Plate Offsets (X,Y)-- [E:0-1-4,0-2-0], [G:0-1-8,0-2-0], [G:0-1-12,0-0-8], [H:0-2-12,0-0-8], [H:0-3-0,Edge], [K:0-3-12,0-2-8], [AC:0-1-10,0-0-12], [AO:0-1-11,0-0-12], [AR:0-1-11,0-0-12], [BA:0-2-0,0-0-10], [BD:0-1-11,0-0-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	25.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	-0.22	J-K	>999	360	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.51	J-K	>723	240		
TCDL	12.0	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.20	I	n/a	n/a		
BCLL	0.0 *	Code	IBC2018/TPI2014	Matrix-MS		Wind(LL)	0.10	K-L	>999	240	Weight: 257 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
H-I: 2x6 SPF No.2, E-J,G-I,A-M,B-M: 2x4 SPF No.2
OTHERS 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-11 oc bracing.
WEBS 1 Row at midpt H-I, E-J, B-M
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

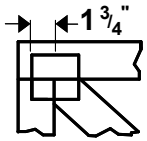
NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) Truss designed for wind 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 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 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

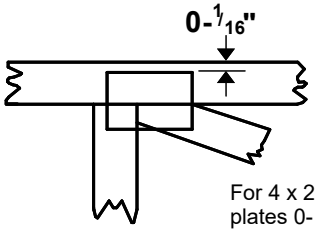
MiTek
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

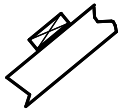
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

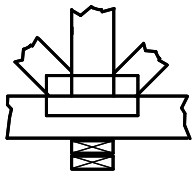
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

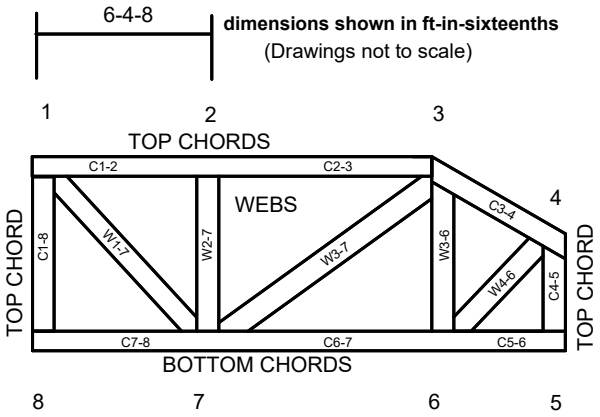


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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