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INSPECTIONS



BRADLEY HEIGHTS SS LLC

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

SUBMITTAL #1

Alliance Job # N0653

Date: May 29, 2023

Representative: Craig Westerberg

PRMU20240282 BLDG E

Re: N0653

TIMBERLANE-202 27th Ave SE-Puyallup-WA

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: U1488906 thru U1489002

My license renewal date for the state of Washington is February 17, 2024.



May 22, 2023

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	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	A1	GABLE	7	1	U1488906

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:12 2023 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

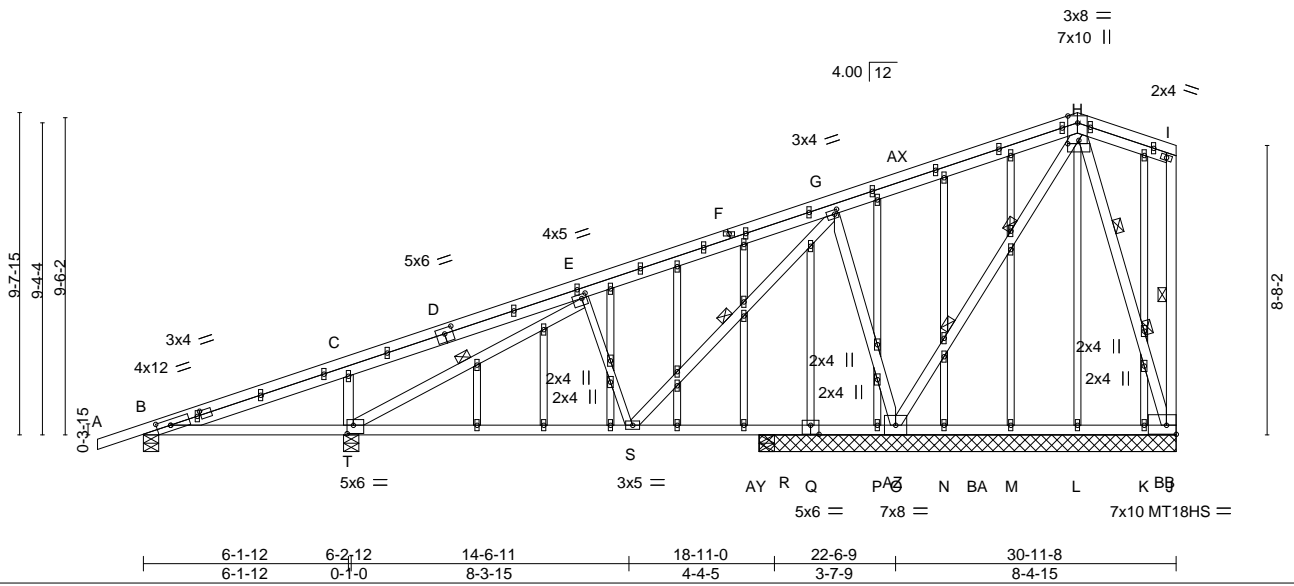


Plate Offsets (X,Y)-- [B:0-5-0,0-2-0], [B:0-11-7,0-1-8], [D:0-3-0,0-2-0], [E:0-1-12,0-1-8], [G:0-1-4,0-1-8], [H:0-4-0,0-1-3], [J:Edge,0-3-4], [Q:0-3-0,0-3-4], [T:0-2-4,0-3-0]

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

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 1-4-12 oc bracing.
WEBS 2x4 SPF No.2 *Except*	WEBS 1 Row at midpt E-T, G-S, I-J
E-S: 2x3 SPF No.2, H-O: 2x4 SPF 2100F 1.8E	2 Rows at 1/3 pts H-O, H-J
OTHERS 2x3 SPF No.2	

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); ls=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.



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Continued on page 2

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

MiTek
 240 Stirling Crescent
 Bradford, ON. L3Z 4L5

PRMU20240282 BLDG E

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488906
N0653	A1	GABLE	7	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:13 2023 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 13) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 18-5-8 to 30-11-8 for 594.4 plf.
- 14) No notches allowed in overhang and 10408 from left end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

PRMU20240282 BLDG E

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

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



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Job N0653	Truss A2	Truss Type Common	Qty 28	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488907
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:14 2023 Page 1

ID:hFyjDMxRTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

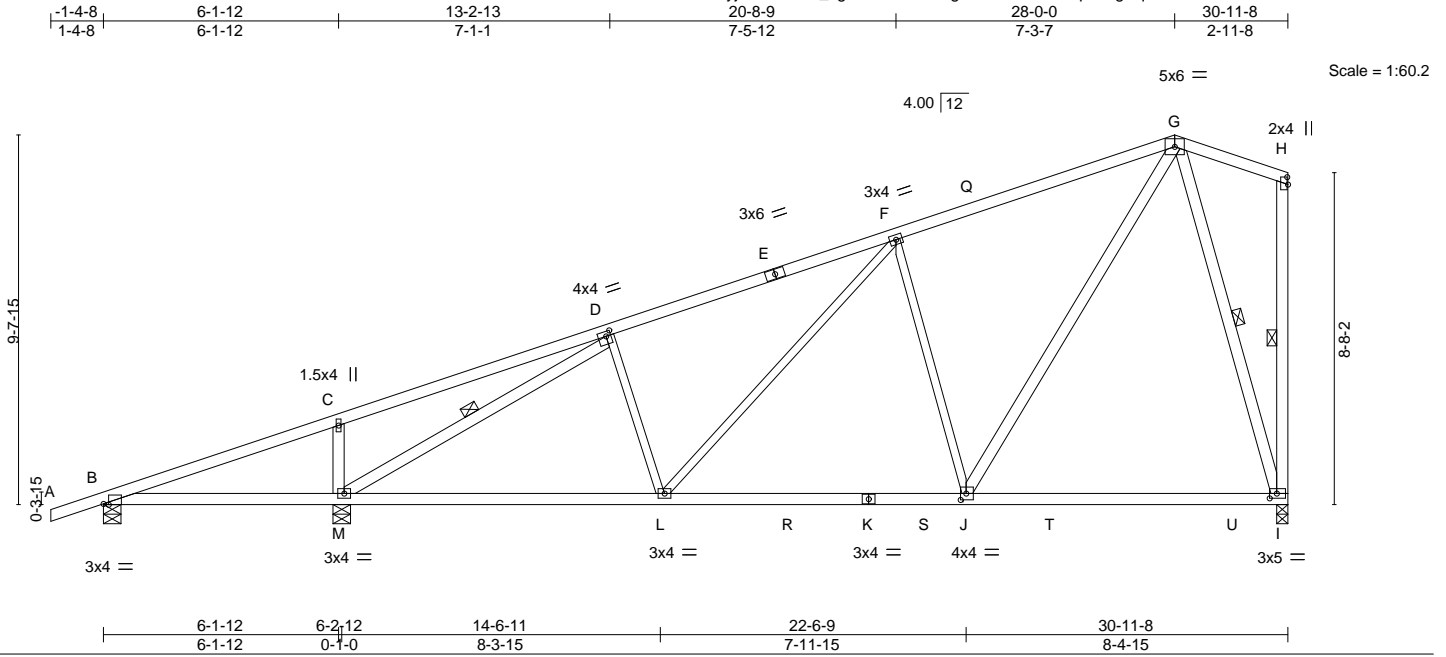


Plate Offsets (X,Y)-- [B:0-1-10,Edge], [D:0-1-8,0-1-8], [H:0-2-5,0-0-4], [I:0-2-4,0-1-8], [J:0-1-12,0-2-0]

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

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.



PRMU20240282 BLDG E

May 22,2023

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

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



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Job N0653	Truss A3	Truss Type Common	Qty 49	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488908
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:16 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWWzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7JzJC?F

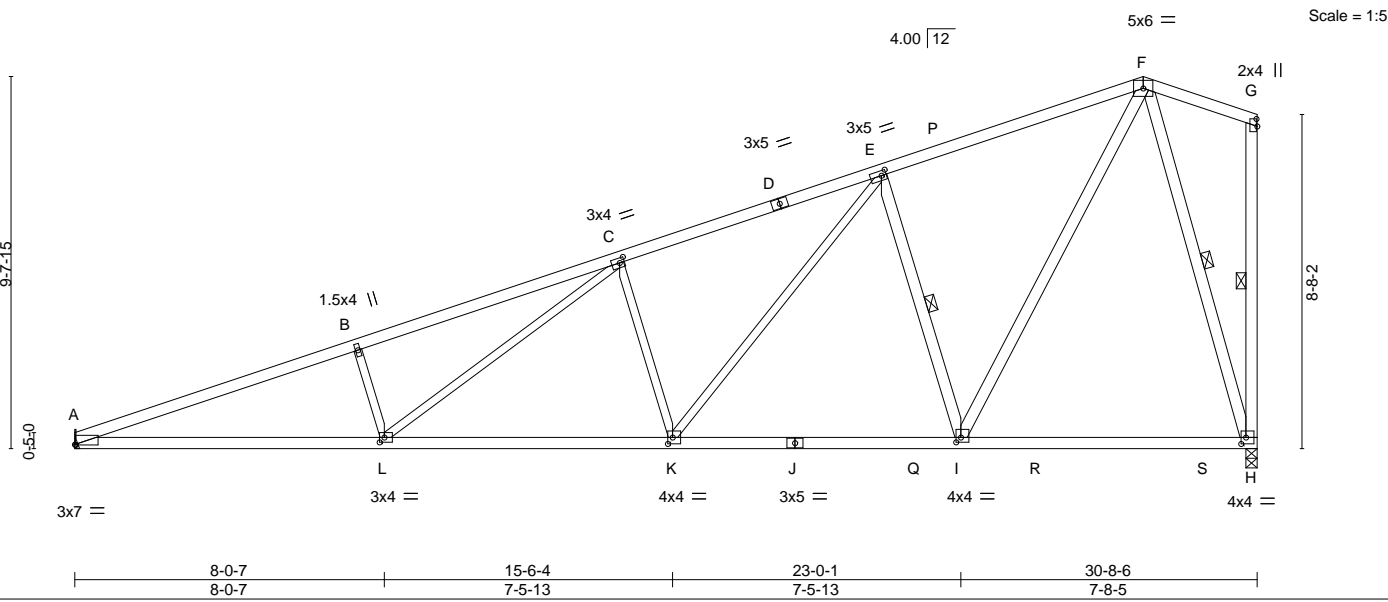


Plate Offsets (X,Y)--	[A:0-0-4,0-0-2], [C:0-1-8,0-1-8], [E:0-1-8,0-1-8], [G:0-2-5,0-0-4], [H:0-1-8,0-2-0], [I:0-1-8,0-1-8], [K:0-1-8,0-2-0], [L:0-1-8,0-1-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.76	Vert(LL) -0.23	K-L	>999	360	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.80	Vert(CT) -0.42	K-L	>866	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.65	Horz(CT) 0.08	H	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS	Wind(LL) 0.12	K-L	>999	240	Weight: 131 lb	FT = 20%

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

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.



May 22, 2023

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

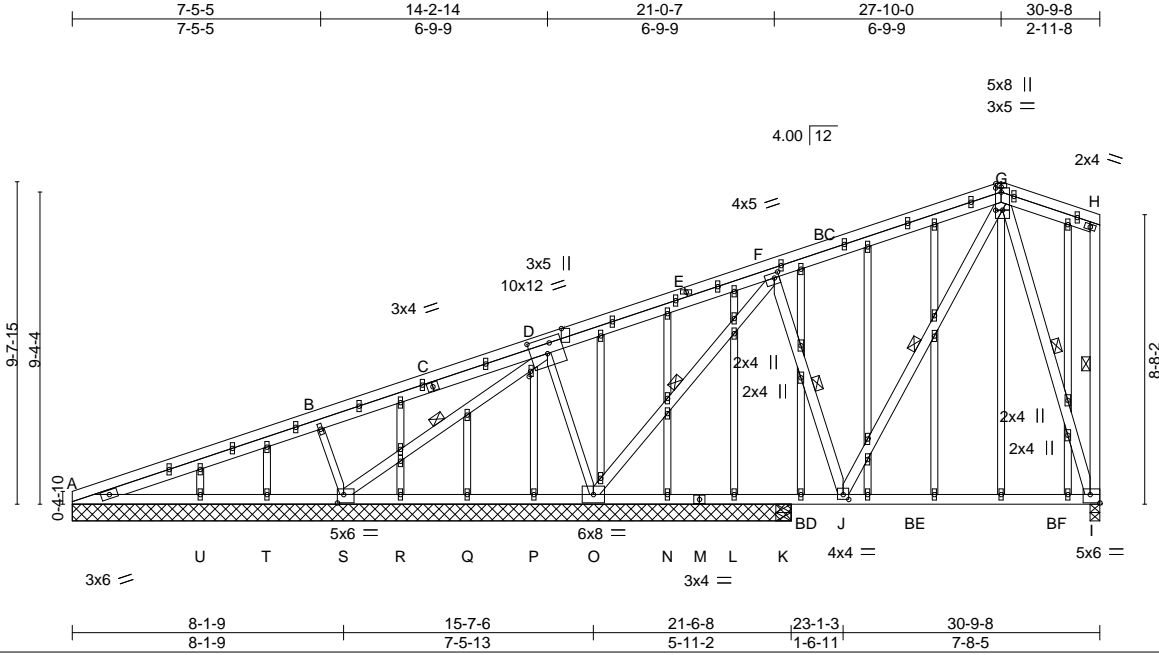
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240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488910
N0653	A5	GABLE	7	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:22 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWRCDoi7J4zJC?f



Scale = 1:69.0

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

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

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 3-10-7 oc bracing.
WEBS 2x4 SPF No.2 *Except*	WEBS 1 Row at midpt D-S, F-O, F-J, G-J, H-I, G-I
B-S,D-O: 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

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=length) 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



May 22,2023

Continue loading on bottom chord from 0-0-0 to 21-6-8 for 343.1 plf.

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

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488910
N0653	A5	GABLE	7	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:22 2023 Page 2
 ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

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.

PRMU20240282 BLDG E

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

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488911
N0653	B1	GABLE	7	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:26 2023 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 12) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 12-5-8 to 24-11-8 for 479.2 plf.
- 13) No notches allowed in overhang and 10408 from left end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

PRMU20240282 BLDG E

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

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



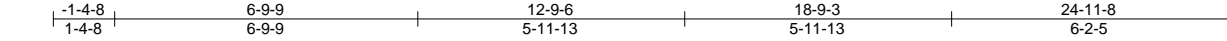
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job N0653	Truss B2	Truss Type Monopitch	Qty 28	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488912
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:27 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFgC-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrcD0i7J4zJC?f



PRMU20240282 BLDG E

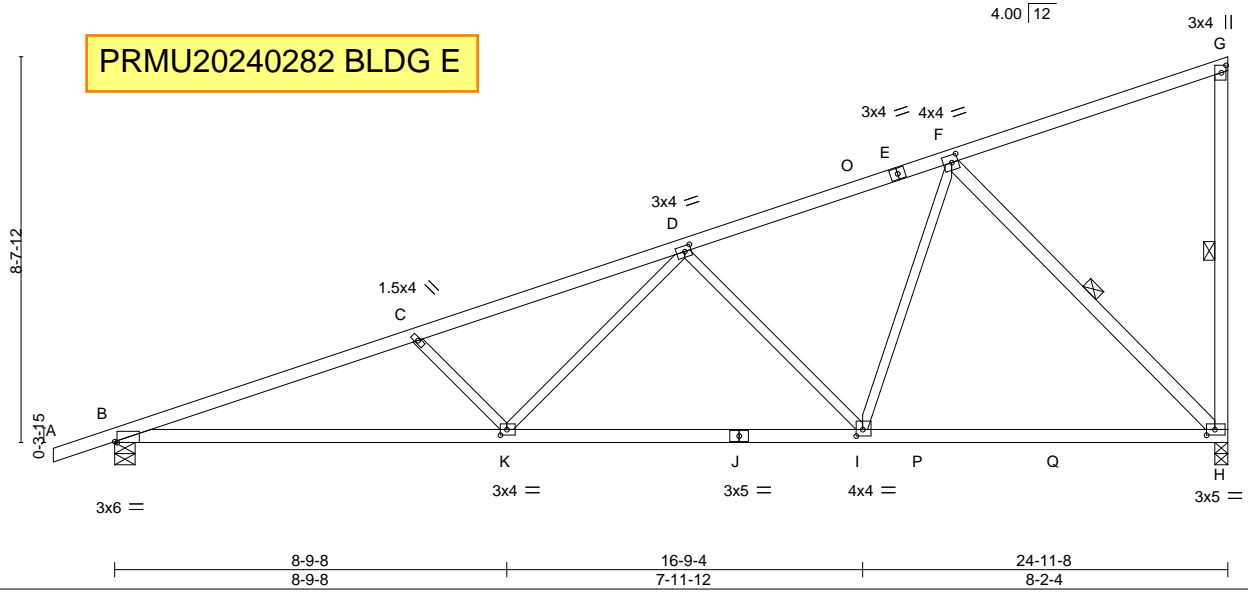


Plate Offsets (X,Y)-- [B:0-0-10,Edge], [D:0-1-12,0-1-8], [F:0-1-12,0-2-0], [G:0-2-0,0-1-4], [H:0-2-4,0-1-8], [I:0-1-12,0-1-12], [K:0-1-12,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.69 BC 0.84 WB 0.74	in (loc) l/defl L/d Vert(LL) -0.20 K-N >999 360 Vert(CT) -0.39 K-N >769 240 Horz(CT) 0.06 H n/a n/a Wind(LL) 0.09 K-N >999 240	MT20	197/144
TCDL 12.0	Rep Stress Incr YES	Matrix-MS		Weight: 96 lb	FT = 20%
BCLL 0.0 *	Code IBC2018/TPI2014				
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 100 lb uplift at joint(s) except (jt=lb) H=167, B=172.
- 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



May 22, 2023

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488913
N0653	B3	Roof Special	91	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:28 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?F

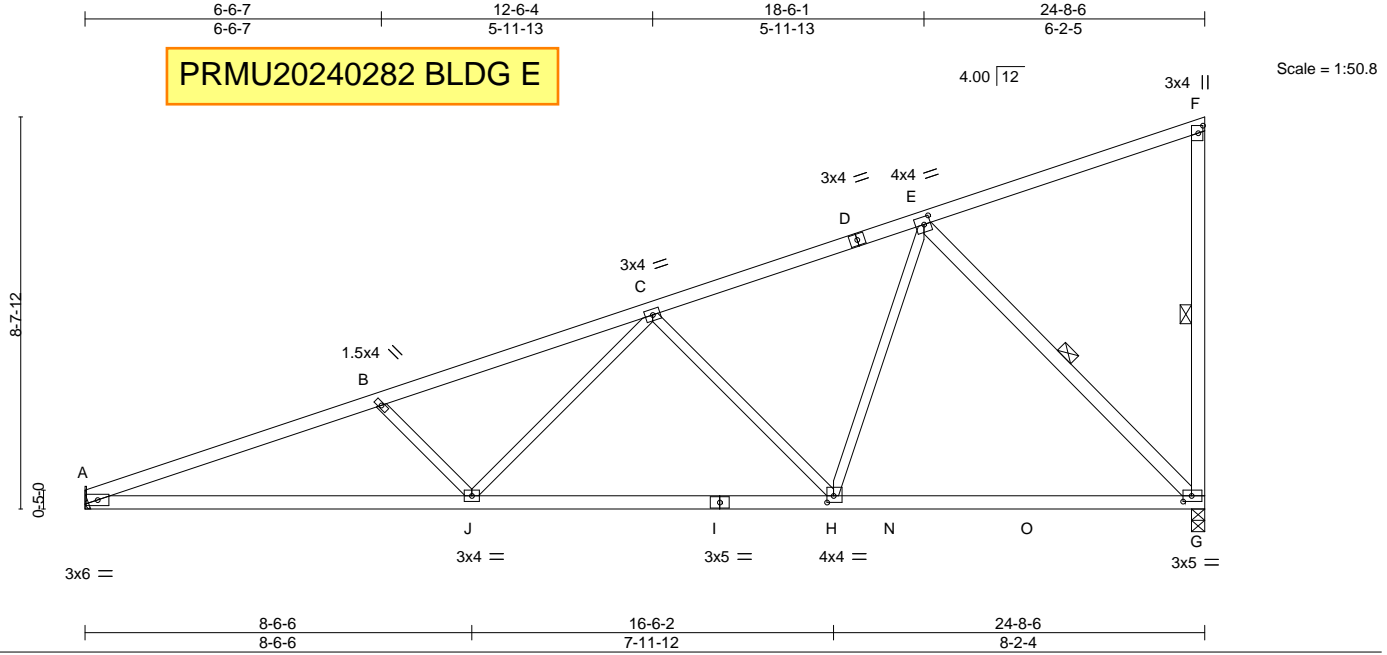


Plate Offsets (X,Y)-- [E:0-1-12,0-2-0], [F:0-2-0,0-1-4], [G:0-2-4,0-1-8], [H:0-1-12,0-1-12]

LOADING (psf)		SPACING-		CSI.		DEFL.				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=1.0; 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=167, A=125.
- 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



May 22, 2023

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job N0653	Truss B4	Truss Type GABLE	Qty 7	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488914
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:31 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWRCD0i7J4zJC?f



Scale = 1:52.1

PRMU20240282 BLDG E

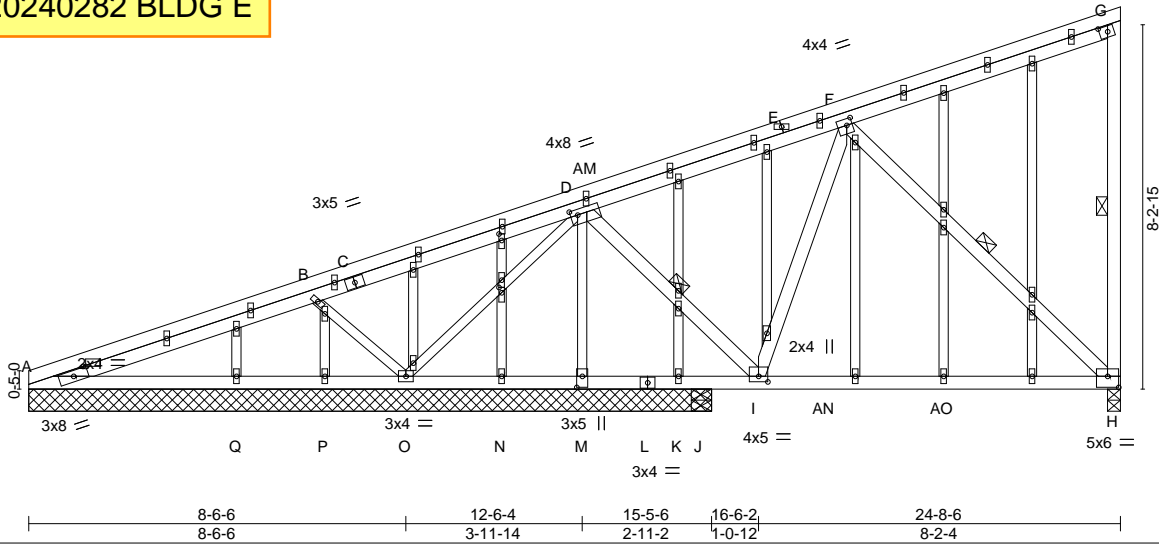


Plate Offsets (X,Y)-- [D:0-1-15,0-1-8], [F:0-1-8,0-1-12], [G:0-2-4,0-1-8], [H:0-3-0,0-3-0], [I:0-2-8,0-1-8], [M:0-3-0,0-1-8], [AD:0-1-7,0-0-12], [AE:0-1-12,0-0-12], [AK:0-0-12,0-0-0]

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



May 22, 2023

Continued on page 2

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

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488914
N0653	B4	GABLE	7	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:32 2023 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 11) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 15-5-6 for 383.7 plf.
- 12) No notches allowed in overhang and 0 from left end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

PRMU20240282 BLDG E

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488915
N0653	C1	GABLE	15	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:33 2023 Page 1
 ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

PRMU20240282 BLDG E

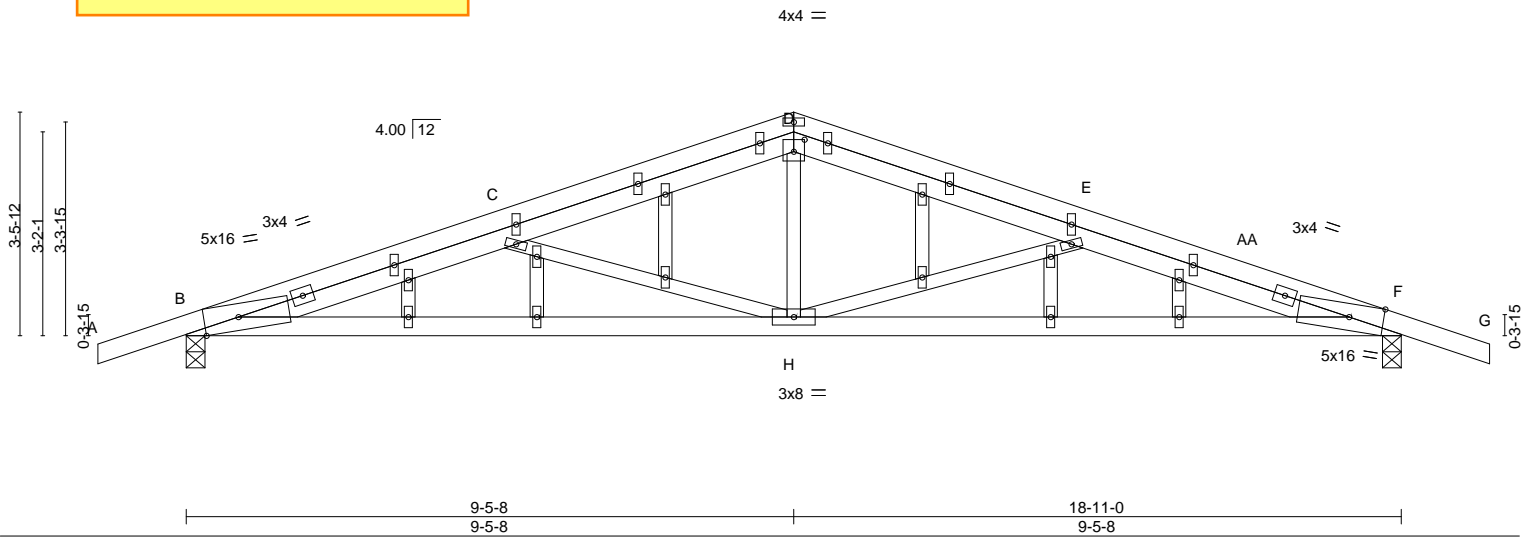


Plate Offsets (X,Y)-- [B:0-6-7,Edge], [D:0-2-0,0-2-4], [F:0-6-7,Edge]

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

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-3-12 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

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) TCELL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 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.



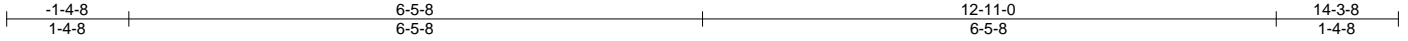
May 22, 2023

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	D1	GABLE	7	1	U1488916

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:34 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKwRCDoi7J4zJC?f



Scale = 1:25.9

PRMU20240282 BLDG E

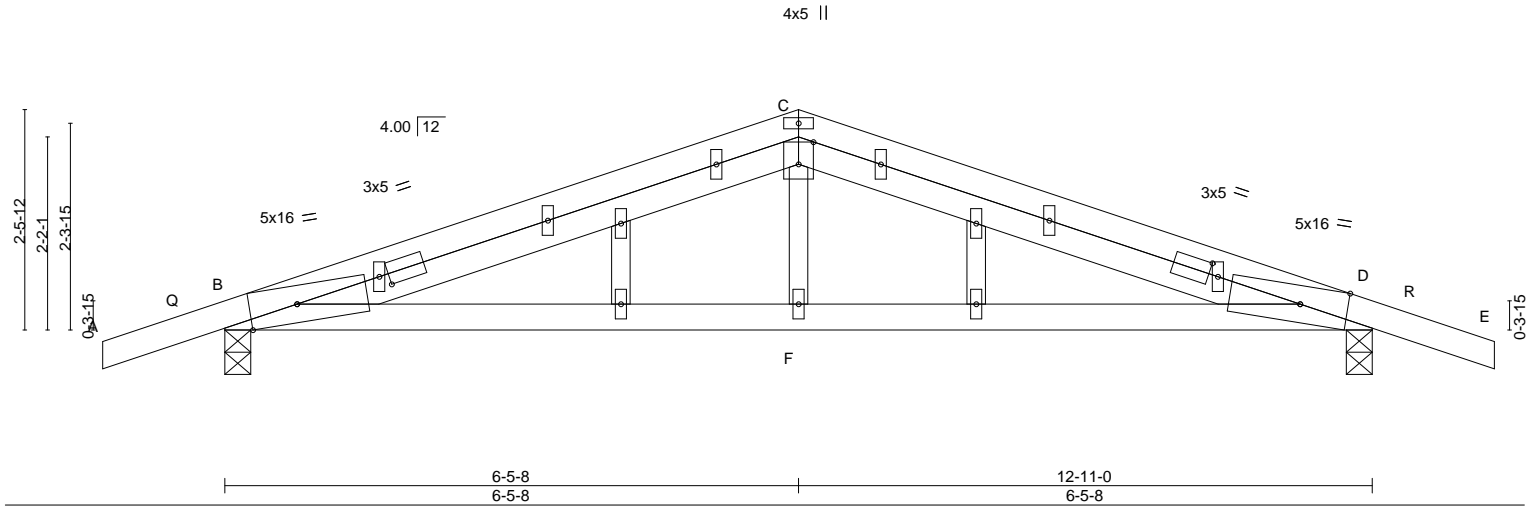


Plate Offsets (X,Y)-- [B:0-6-7,Edge], [B:1-1-0,0-1-8], [C:0-3-0,Edge], [D:1-1-0,0-1-8], [D:0-6-7,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 25.0 (Roof Snow=25.0)	Plate Grip DOL	1.15	TC 0.86	Vert(LL)	-0.11	F-M	>999	360	MT20	197/144
TCDL 12.0	Lumber DOL	1.15	BC 0.76	Vert(CT)	-0.18	F-M	>864	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	0.02	D	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014		Matrix-MS	Wind(LL)	0.04	F-M	>999	240	Weight: 50 lb	FT = 20%

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-

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) B=141, D=110.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- No notches allowed in overhang and 10408 from left end and 10408 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.



May 22, 2023

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

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



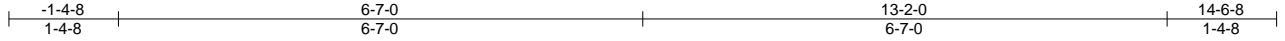
240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job N0653	Truss G1	Truss Type GABLE	Qty 22	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488917
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:36 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?F



PRMU20240282 BLDG E

4x5 =

Scale = 1:28.9

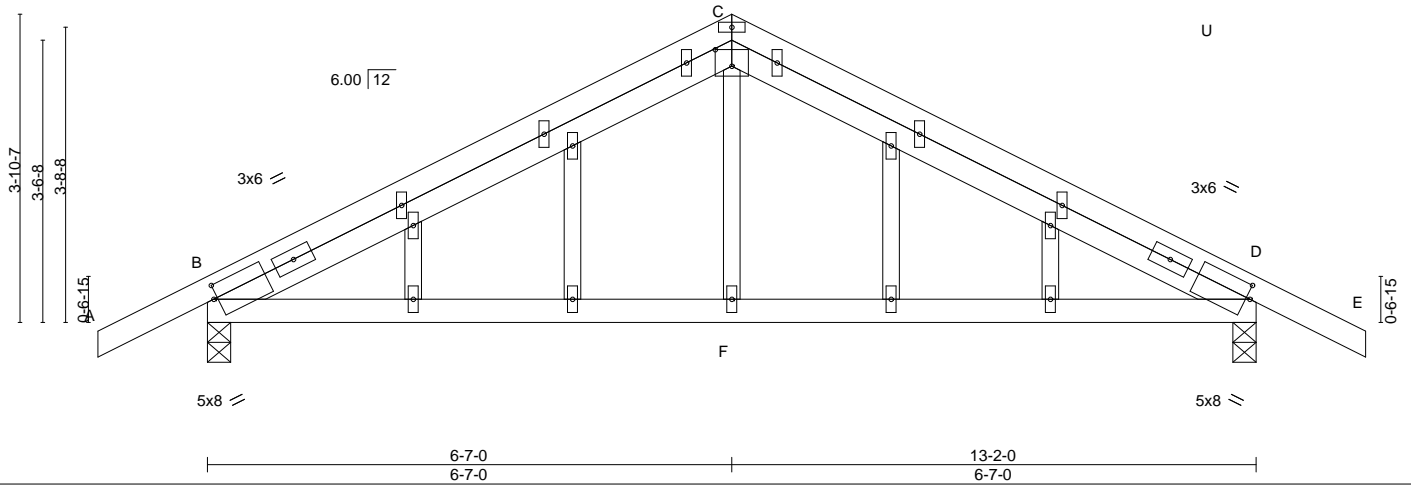


Plate Offsets (X,Y)-- [B:0-0-9,0-2-1], [C:0-2-8,0-2-8], [D:0-0-9,0-2-1]

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



May 22, 2023

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

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488918
N0653	G2	Common	14	1		

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:37 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzF1gc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Job Reference (optional)



PRMU20240282 BLDG E

4x5 =

Scale = 1:26.6

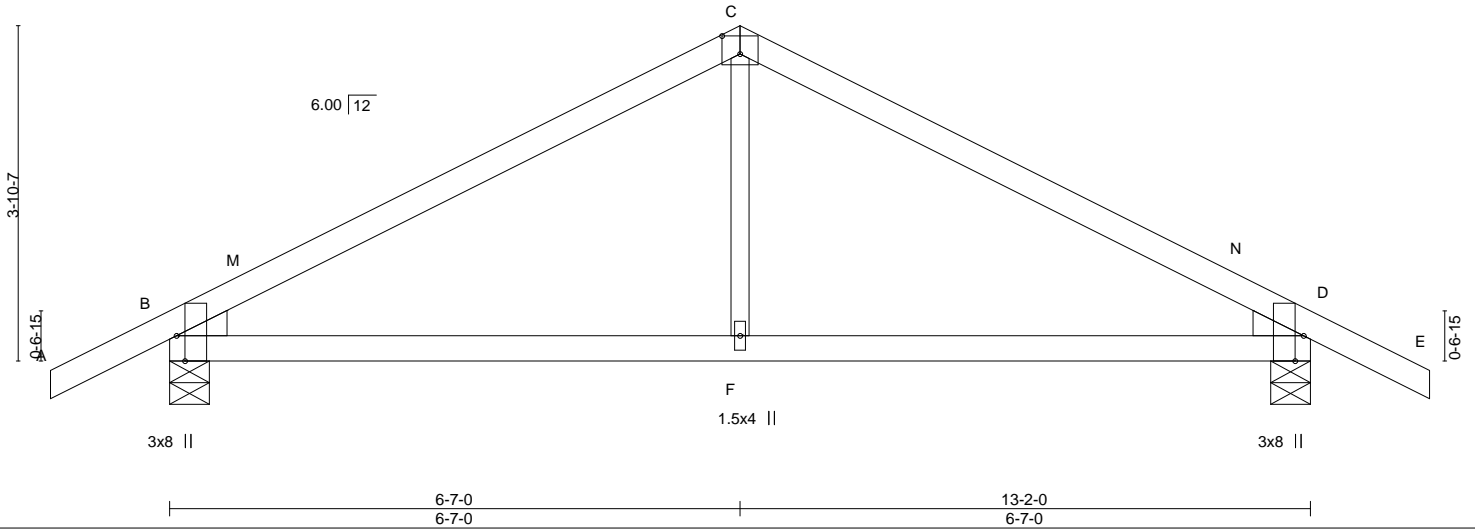


Plate Offsets (X,Y)-- [B:0-3-8,Edge], [C:0-2-8,0-2-8], [D:0-3-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.79	Vert(LL)	-0.11	F-I	>999	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.61	Vert(CT)	-0.15	F-I	>999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.09	Horz(CT)	0.02	B	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS	Wind(LL)	0.04	F-I	>999	Weight: 40 lb	FT = 20%

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.



May 22,2023

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

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



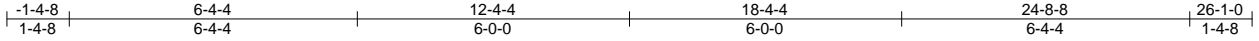
240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	H1	GABLE	7	1	U1488919

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:40 2023 Page 1

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4x5 ||

Scale = 1:50.8

PRMU20240282 BLDG E

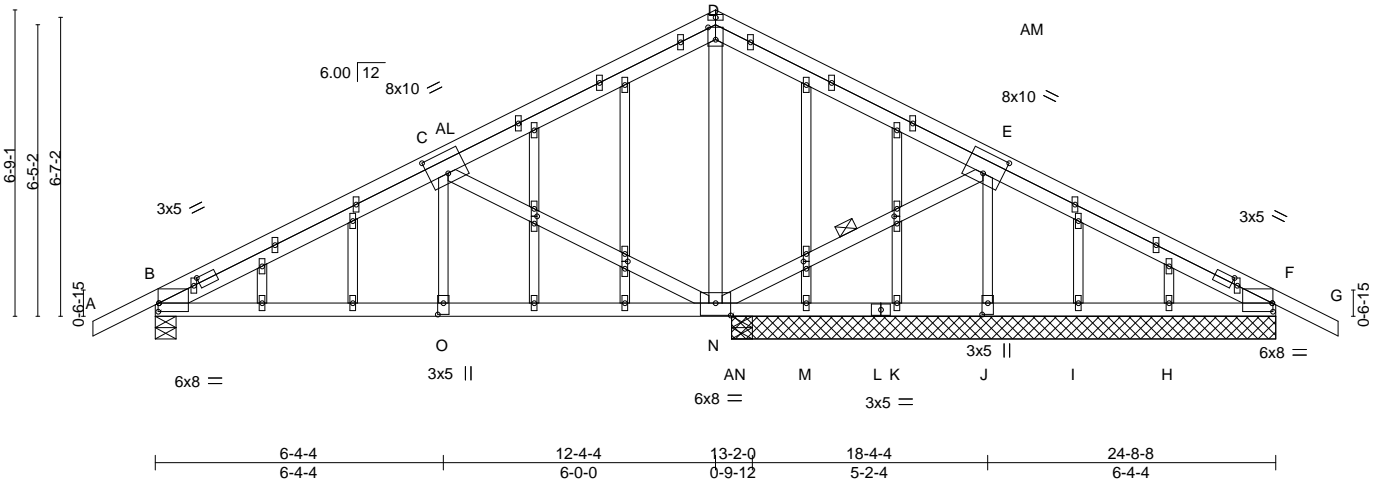


Plate Offsets (X,Y)-- [B:0-0-3,0-2-4], [B:0-11-15,0-1-8], [C:0-5-0,0-5-8], [D:0-3-4,0-2-0], [E:0-5-0,0-5-8], [F:0-11-15,0-1-8], [F:0-0-3,0-2-4], [J:0-3-0,0-1-8], [N:0-4-0,0-3-4], [O:0-3-0,0-1-8], [P:0-1-15,0-0-12], [S:0-1-15,0-0-12], [AA:0-1-15,0-0-12], [AC:0-1-15,0-0-12]

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

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



May 22, 2023

Continued on page 2

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

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



Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488919
N0653	H1	GABLE	7	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:40 2023 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 12) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 12-8-8 to 24-8-8 for 494.2 plf.
- 13) No notches allowed in overhang and 10408 from left end and 10408 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

PRMU20240282 BLDG E

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

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



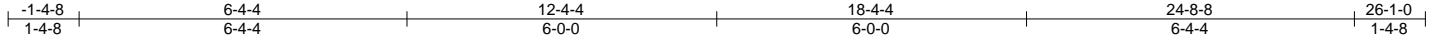
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job N0653	Truss H2	Truss Type Common	Qty 7	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488920
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:42 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



PRMU20240282 BLDG E

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Scale = 1:44.6

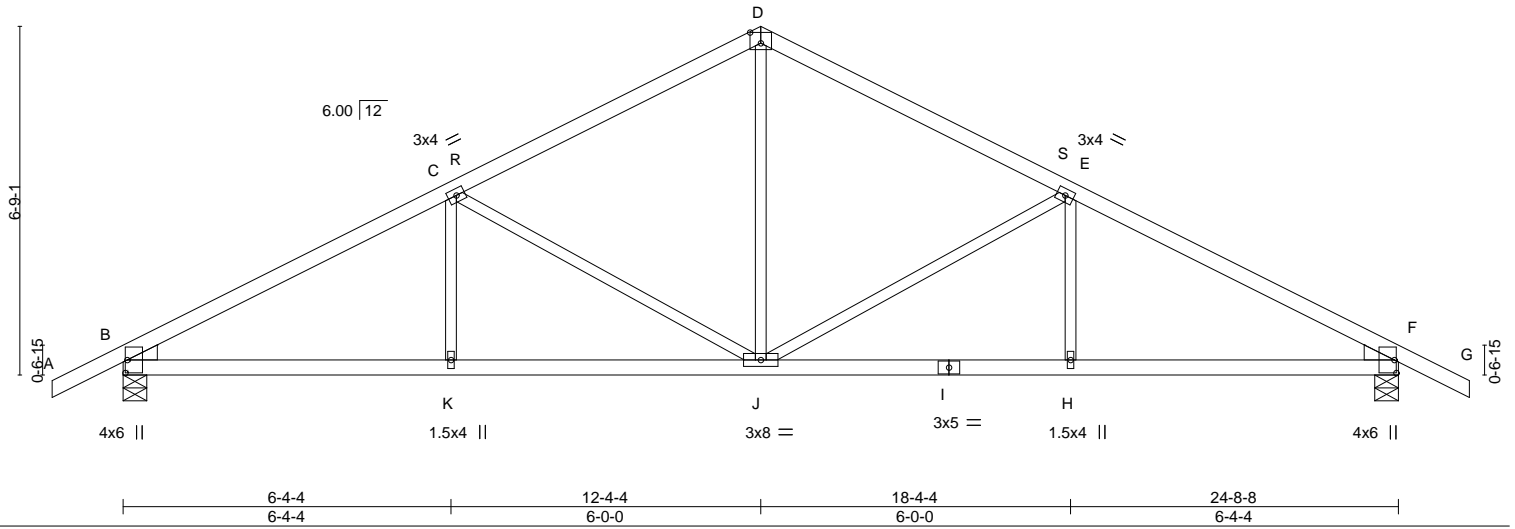


Plate Offsets (X,Y)-- [B:0-3-0,0-0-7], [D:0-2-8,0-2-8], [F:0-3-0,0-0-7]

LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.09	J-K	>999	L/d	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	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.



May 22,2023

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job N0653	Truss H3	Truss Type Common Girder	Qty 7	Ply 2	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488921
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:45 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?F



PRMU20240282 BLDG E

Scale = 1:47.3

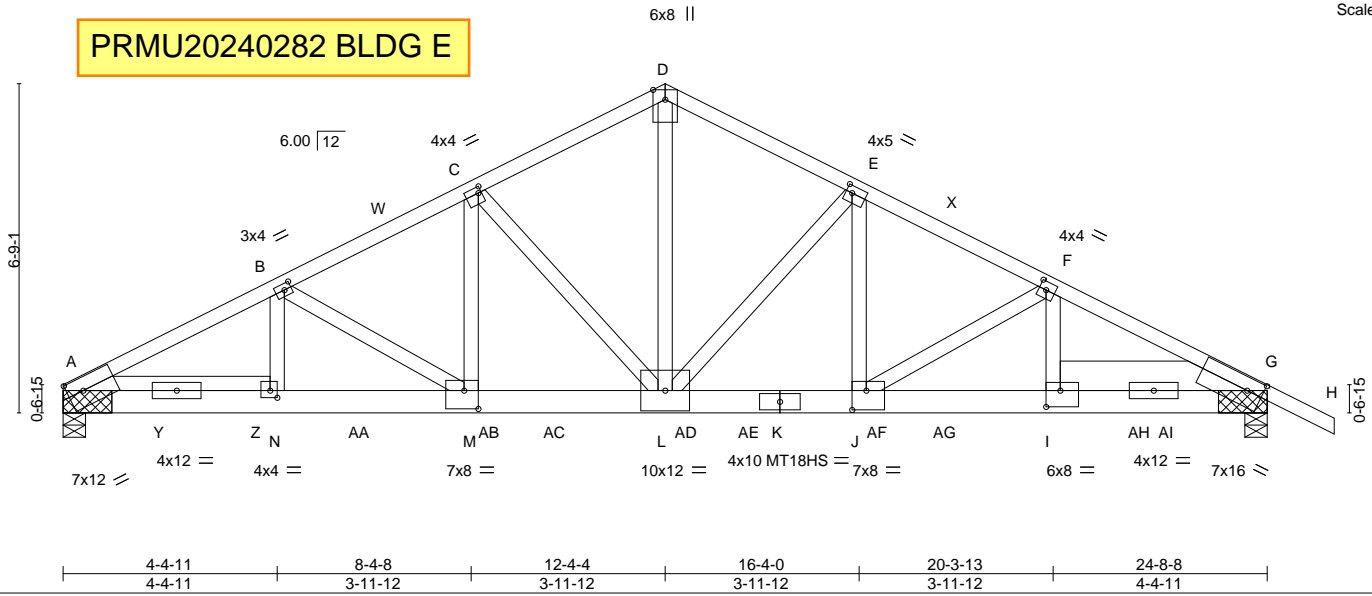


Plate Offsets (X,Y)-- [A:0-3-13,0-3-2], [B:0-1-12,0-1-8], [C:0-0-12,0-1-8], [E:0-1-8,0-1-12], [F:0-1-12,0-2-0], [G:0-3-13,0-3-2], [I:0-3-8,0-4-0], [J:0-3-8,0-4-12], [M:0-3-8,0-4-8], [N:0-1-12,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.93 BC 0.63 WB 0.97 Matrix-MS	Vert(LL) -0.21 Vert(CT) -0.39 Horz(CT) 0.08 Wind(LL) 0.11	L-M L-M G L-M	>999 >753 n/a >999	360 240 n/a 240	MT20 MT18HS	197/144 220/195
TCDL 12.0	Rep Stress Incr NO Code IBC2018/TPI2014							
BCLL 0.0 *								
BCDL 10.0							Weight: 302 lb	FT = 20%

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

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

TOP CHORD A-B=-13476/1480, B-C=-11809/1305, C-D=-9158/1041, D-E=-9156/1042, E-F=-11891/1312, F-G=-14169/1551
BOT CHORD A-N=-987/8499, M-N=-1349/11987, L-M=-1139/10537, J-L=-1079/10604, I-J=-1326/12642, G-I=-855/8046
WEBS D-L=-861/7872, E-L=-3721/471, E-J=-381/3627, F-J=-2380/315, F-I=-223/2040, C-L=-3621/460, C-M=-368/3496, B-M=-1695/245, B-N=-156/1470

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-3-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 2x6 DF 2400F 2.0E bearing block 12" long at jt. A attached to each face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners per block. Bearing is assumed to be SPF No.2.
- 2x6 DF 2400F 2.0E bearing block 12" long at jt. G attached to each face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners per block. Bearing is assumed to be SPF No.2.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



May 22, 2023

Continued on page 2

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240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488921
N0653	H3	Common Girder	7	2	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:45 2023 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzF1gc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=865, G=971.
- 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1205 lb down and 145 lb up at 2-0-4, 1205 lb down and 145 lb up at 4-0-4, 1205 lb down and 145 lb up at 6-0-4, 1205 lb down and 145 lb up at 8-0-4, 1205 lb down and 145 lb up at 10-0-4, 1205 lb down and 145 lb up at 12-0-4, 1205 lb down and 145 lb up at 14-0-4, 1205 lb down and 145 lb up at 16-0-4, 1205 lb down and 145 lb up at 18-0-4, 1205 lb down and 145 lb up at 20-0-4, and 1205 lb down and 145 lb up at 22-0-4, and 1205 lb down and 145 lb up at 22-7-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: A-D=-74, D-H=-74, O-S=-20

Concentrated Loads (lb)

Vert: I=-1175(F) Y=-1175(F) Z=-1175(F) AA=-1175(F) AB=-1175(F) AC=-1175(F) AD=-1175(F) AE=-1175(F) AF=-1175(F) AG=-1175(F) AH=-1175(F) AI=-1175(F)

PRMU20240282 BLDG E

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



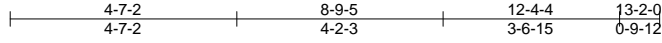
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	K1	GABLE	15	2	U1488922

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:47 2023 Page 1

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PRMU20240282 BLDG E

5x10 ||
3x8 =
2x4 //

Scale = 1:46.7

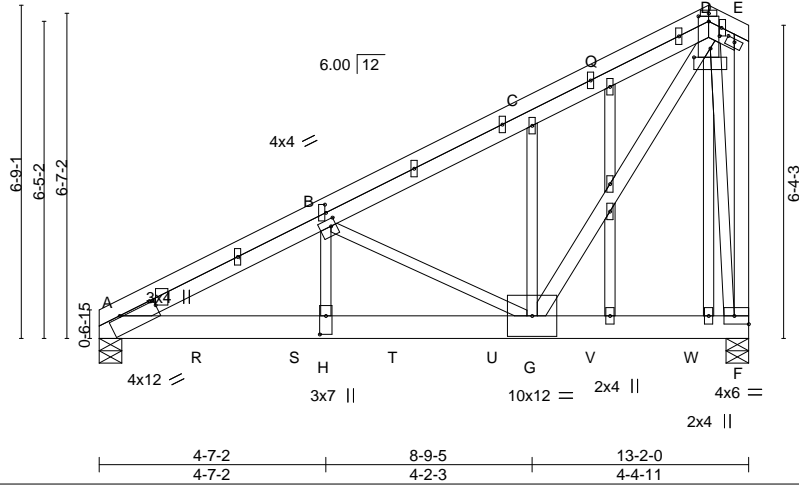


Plate Offsets (X,Y)-- [A:0-9-0,0-0-6], [B:0-1-4,0-1-12], [B:0-2-0,0-0-4], [D:0-1-4,0-2-8], [D:0-2-0,0-0-8], [D:0-4-0,0-2-3], [E:0-2-0,0-0-12], [F:Edge,0-2-0], [H:0-4-8,0-1-8], [O:0-1-0,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.58 BC 0.59	in (loc) l/defl L/d Vert(LL) -0.10 G-H >999 360 Vert(CT) -0.18 G-H >871 240 Horz(CT) 0.02 F n/a n/a Wind(LL) 0.05 G-H >999 240	MT20	197/144
TCDL 12.0	Rep Stress Incr NO	WB 0.82			
BCLL 0.0 *	Code IBC2018/TPI2014	Matrix-MS			
BCDL 10.0				Weight: 175 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-11-13 oc purlins, except end verticals.
BOT CHORD 2x6 SPF 2100F 1.8E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x3 SPF No.2 *Except*	
D-G,E-F: 2x4 SPF No.2	
OTHERS 2x3 SPF No.2	

REACTIONS. (size) A=0-5-8, F=0-5-8
Max Horz A=176(LC 28)
Max Uplift A=-533(LC 10), F=-631(LC 10)
Max Grav A=4716(LC 3), F=5269(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-7818/880, B-C=-4358/503, C-D=-4377/566, E-F=-329/86
BOT CHORD A-H=-862/7158, G-H=-863/7167, F-G=-99/455
WEBS B-H=-270/2590, B-G=-3718/477, C-G=-331/119, D-G=-834/6673, D-F=-3671/457

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x3 - 1 row at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - All plates are 1.5x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) A=533, F=631.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



May 22, 2023

Continued on page 2

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240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	K1	GABLE	15	2	U1488922

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:47 2023 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1490 lb down and 180 lb up at 2-0-4, 1490 lb down and 180 lb up at 4-0-4, 1490 lb down and 180 lb up at 6-0-4, 1490 lb down and 180 lb up at 8-0-4, and 1490 lb down and 180 lb up at 10-0-4, and 1490 lb down and 180 lb up at 12-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 14) No notches allowed in overhang and 0-0-0 from left end and 0-0-0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.
- 15) Studding applied to ply: 1(Front)

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: A-D=-74, D-E=-74, F-N=-20

Concentrated Loads (lb)

Vert: R=-1433(F) S=-1433(F) T=-1433(F) U=-1433(F) V=-1433(F) W=-1433(F)

PRMU20240282 BLDG E

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



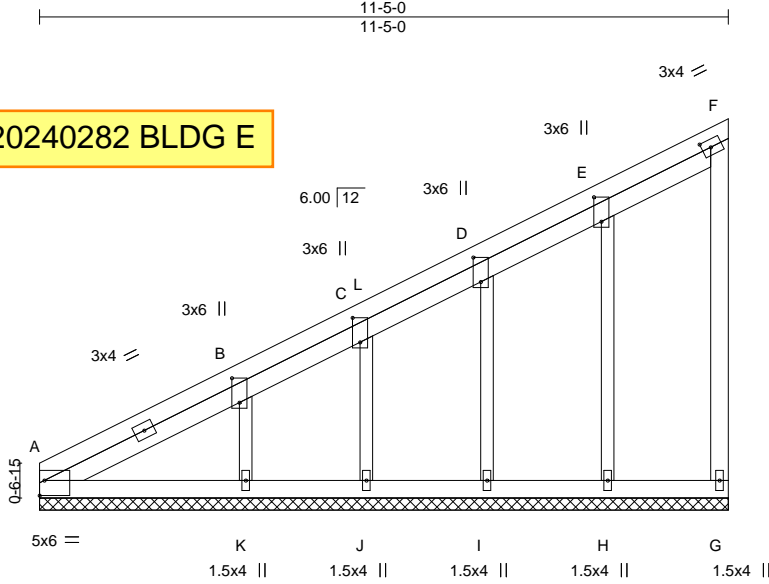
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	K2	GABLE	15	1	U1488923

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:49 2023 Page 1

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PRMU20240282 BLDG E

Plate Offsets (X,Y)-- [A:Edge,0-3-0], [B:0-4-14,0-1-8], [C:0-4-14,0-1-8], [D:0-4-14,0-1-8], [E:0-4-14,0-1-8], [F:0-1-12,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.30	in (loc) l/defl L/d	MT20	197/144
TCDL 12.0	Plate Grip DOL 1.15	BC 0.55	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.12	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) -0.03 G n/a n/a	Weight: 58 lb	FT = 20%
	Code IBC2018/TPI2014				

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 4-8-4 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 3-6-5 oc bracing.

REACTIONS.

All bearings 11-5-0.
 (lb) - Max Horz A=182(LC 34)
 Max Uplift All uplift 100 lb or less at joint(s) G, H, I, J except A=1422(LC 31), K=123(LC 40)
 Max Grav All reactions 250 lb or less at joint(s) G, J except A=1543(LC 38), H=266(LC 16), K=316(LC 1)

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

TOP CHORD A-B=-3211/3055, B-C=-2237/2126, C-D=-1684/1586, D-E=-1141/1075, E-F=-601/558
 BOT CHORD A-K=-2761/2747, J-K=-1942/1928, I-J=-1462/1448, H-I=-982/968, G-H=-502/484

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) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) G, H, I, J except (j=lb) A=1422, K=123.
- 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 11-5-0 for 240.0 plf.



May 22, 2023

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job N0653	Truss L1	Truss Type Monopitch Supported Gable	Qty 7	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488924
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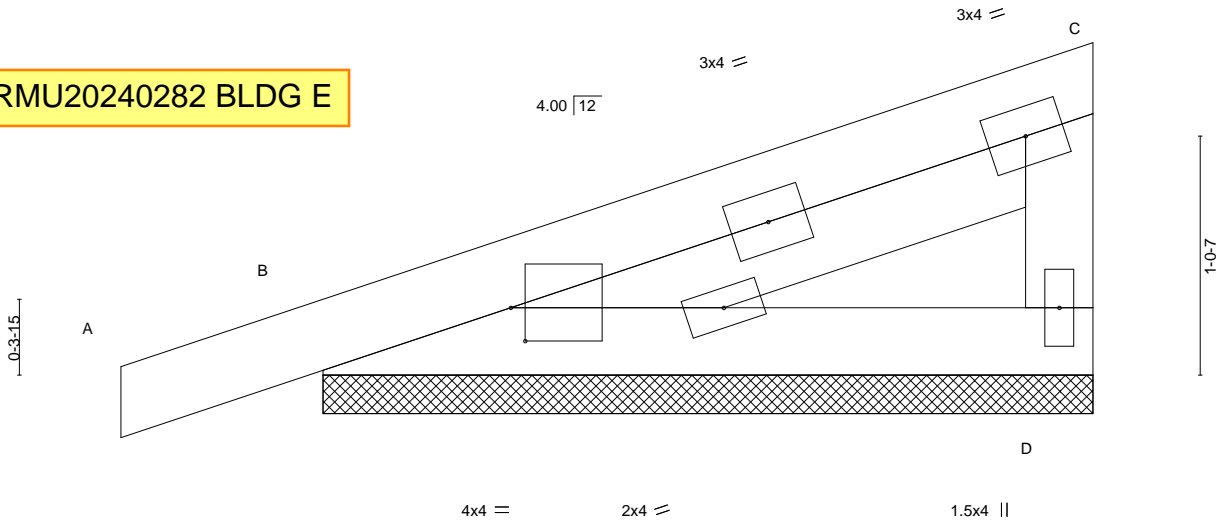
Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:50 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



PRMU20240282 BLDG E



Scale = 1:10.0

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

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

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 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.



May 22, 2023

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

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



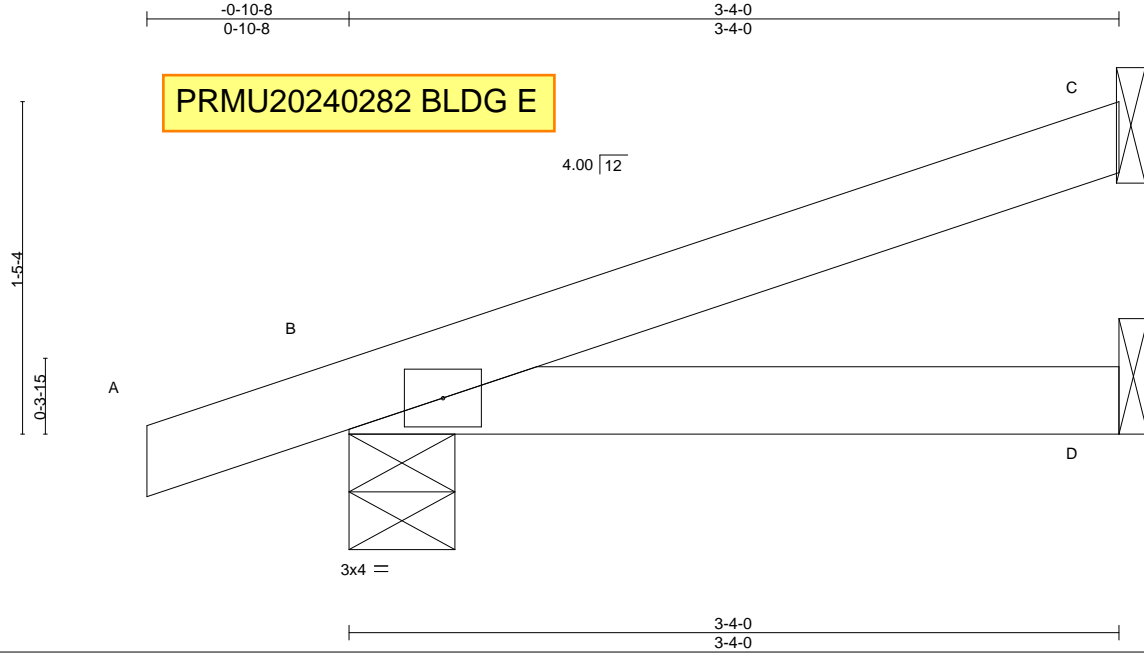
240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488925
N0653	L2	Monopitch	42	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:51 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKwRCDoi7J4zJC?f



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

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-4-0 oc purlins.
BOT CHORD 2x4 SPF No.2	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=1.0; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 5) 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.



May 22, 2023

Job N0653	Truss L3	Truss Type Monopitch Supported Gable	Qty 9	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488926
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:52 2023 Page 1

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PRMU20240282 BLDG E

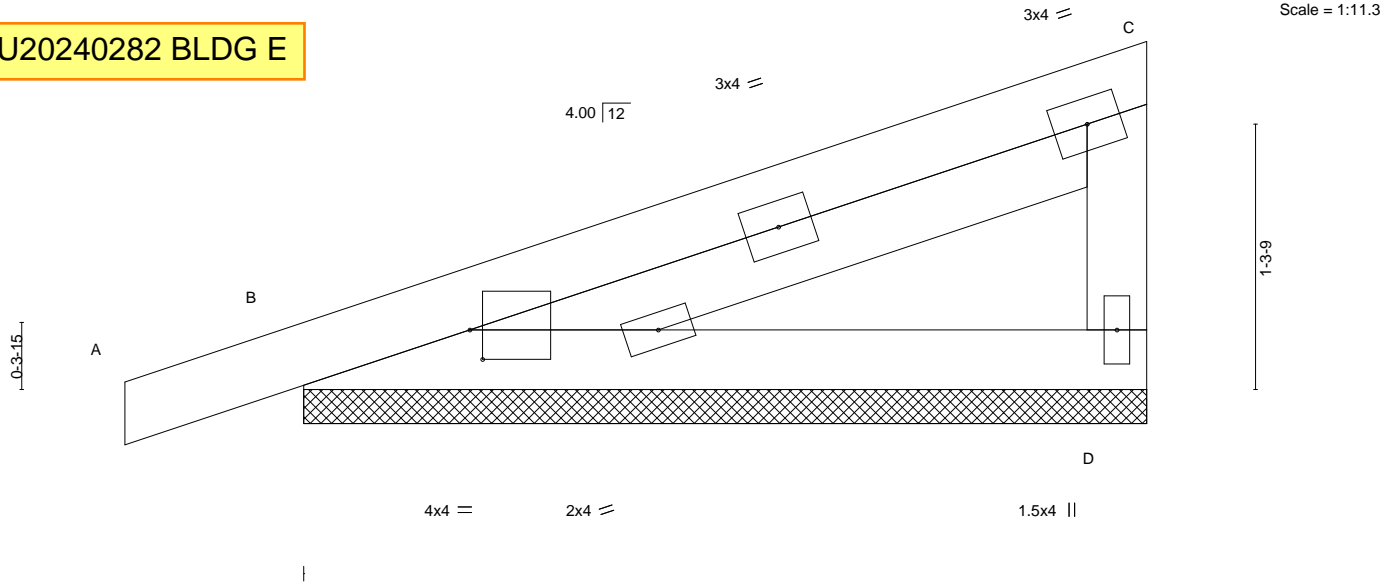


Plate Offsets (X,Y)-- [B:0-0-12,0-1-12]

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

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 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; TC DL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum 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.



May 22, 2023

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

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



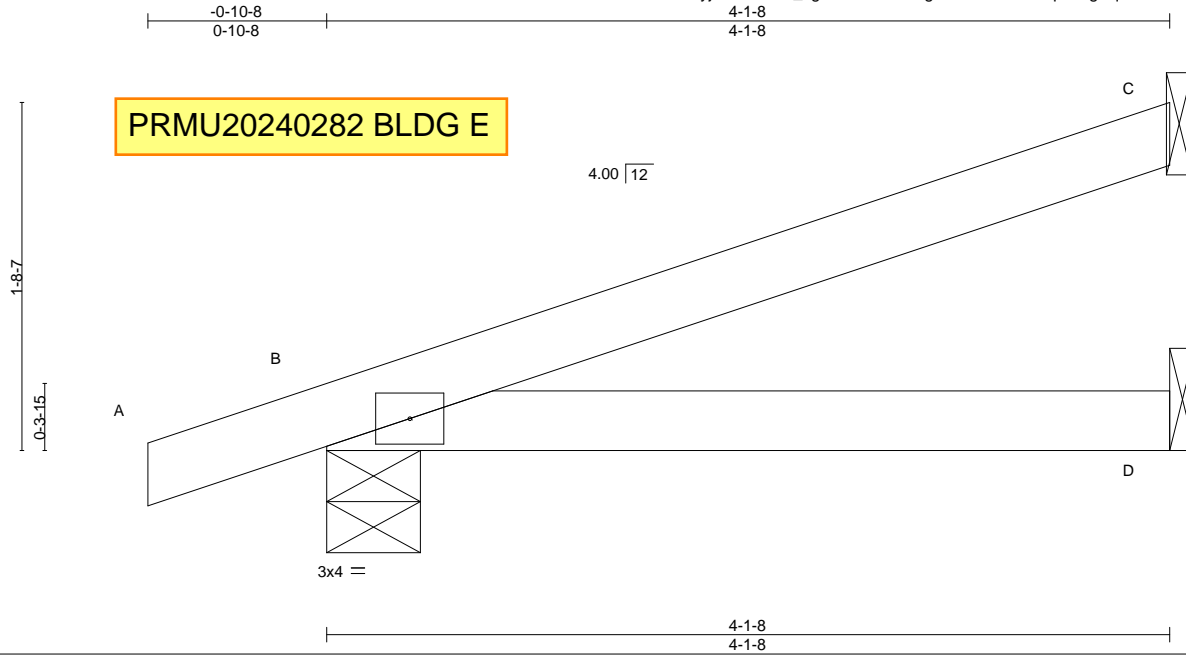
240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488927
N0653	L4	JACK	54	1	Job Reference (optional)	

Alliance Truss (CA),

Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:53 2023 Page 1
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Scale = 1:11.3

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

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-1-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) C=Mechanical, B=0-5-8, D=Mechanical
Max Horz B=53(LC 6)
Max Uplift C=-36(LC 10), B=-48(LC 6)
Max Grav C=174(LC 17), B=356(LC 17), D=74(LC 5)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.0; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) 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.



May 22, 2023

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

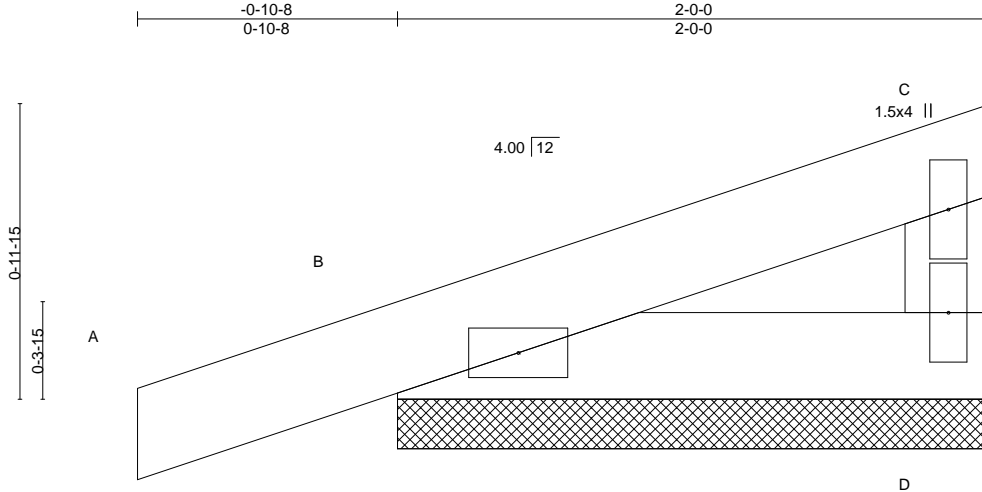


240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job N0653	Truss L5	Truss Type Monopitch Supported Gable	Qty 2	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488928
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:54 2023 Page 1
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Scale = 1:7.8

PRMU20240282 BLDG E

2x4 =

1.5x4 ||

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

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 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-

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



May 22, 2023

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job N0653	Truss M1	Truss Type Monopitch	Qty 52	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488930
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:56 2023 Page 1

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PRMU20240282 BLDG E

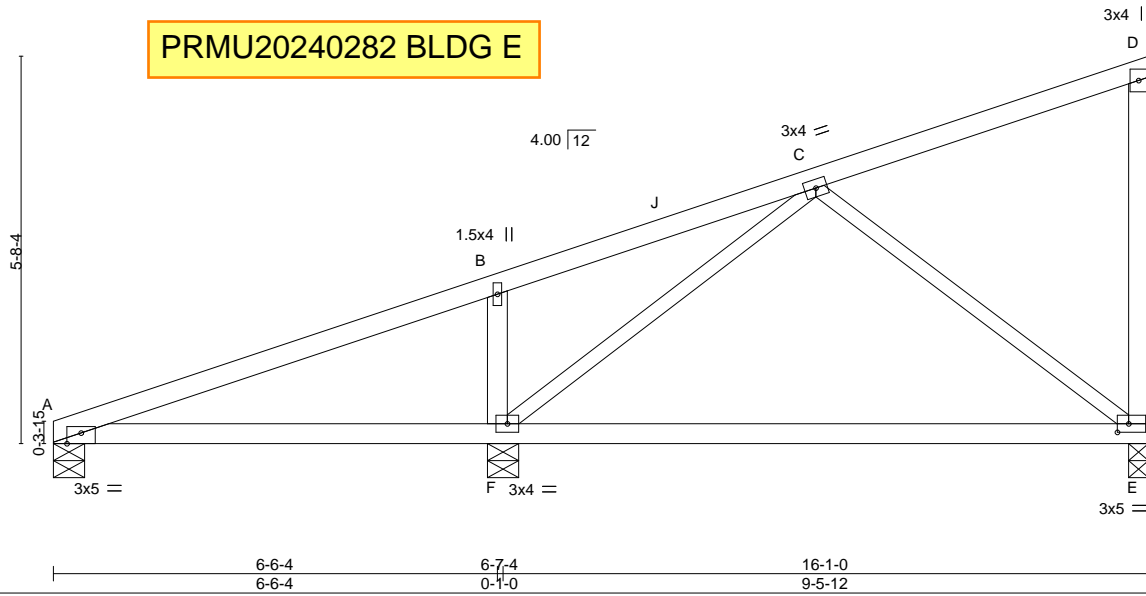


Plate Offsets (X,Y)-- [A:0-2-8,Edge], [E:0-2-0,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.43	in (loc) l/defl L/d	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.62	Vert(LL) -0.21 E-F >545 360		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.37	Vert(CT) -0.40 E-F >283 240		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS	Horz(CT) 0.01 E n/a n/a		
			Wind(LL) 0.04 F-I >999 240	Weight: 55 lb	FT = 20%

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

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



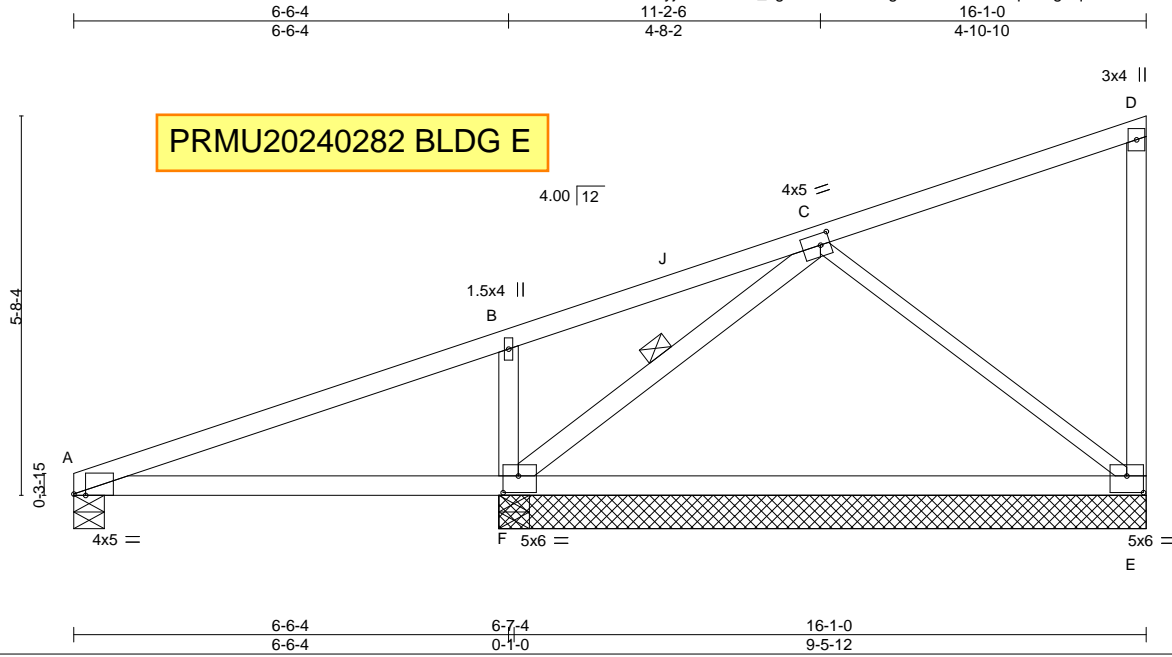
May 22, 2023

Job N0653	Truss M2	Truss Type Monopitch	Qty 52	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488931
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:58 2023 Page 1

ID:hFyjDMxrTsEK_kgxR0vWWVzFgC-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:34.6

Plate Offsets (X,Y)-- [A:0-2-2,Edge], [C:0-1-12,0-2-0], [E:0-3-0,0-3-0], [F:0-2-12,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.43 BC 0.89 WB 0.87 Matrix-MS	in (loc) l/defl L/d Vert(LL) -0.21 E-F >545 360 Vert(CT) -0.40 E-F >283 240 Horz(CT) -0.04 E n/a n/a Wind(LL) 0.06 F-I >999 240	MT20	197/144
TCDL 12.0	Rep Stress Incr YES Code IBC2018/TPI2014			Weight: 57 lb	FT = 20%
BCLL 0.0 *					
BCDL 10.0					

LUMBER-

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



May 22, 2023

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

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

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



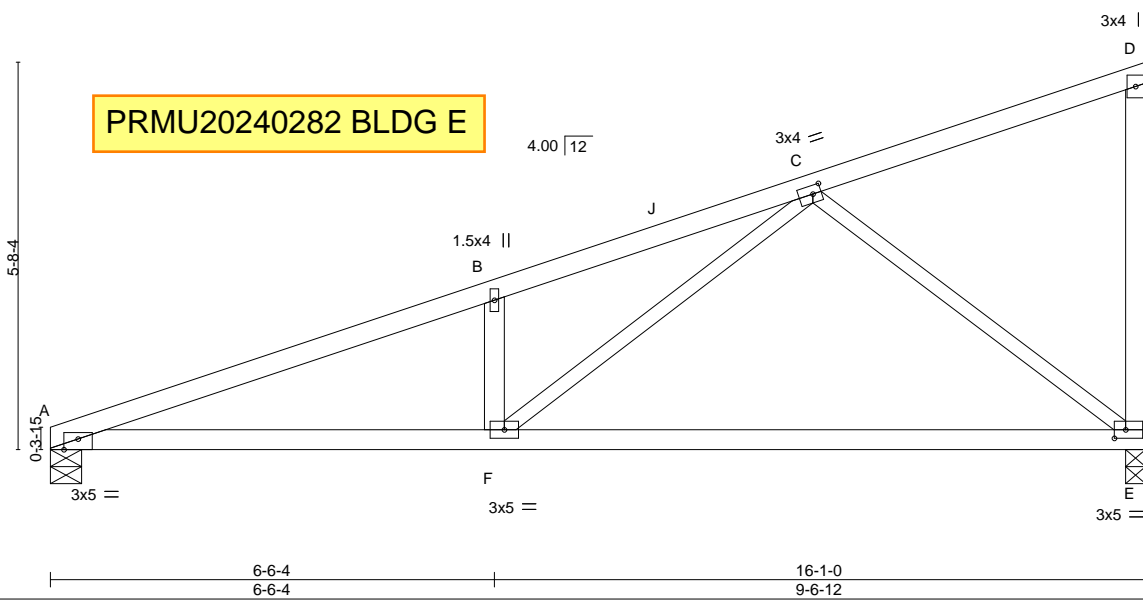
240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488932
N0653	M3	Monopitch	52	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:45:59 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFjgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:33.8

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

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

LUMBER-

TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF No.2 *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=1.0; 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.



May 22, 2023

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job N0653	Truss N1	Truss Type Monopitch Supported Gable	Qty 52	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488933
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:00 2023 Page 1

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Scale = 1:14.5

PRMU20240282 BLDG E

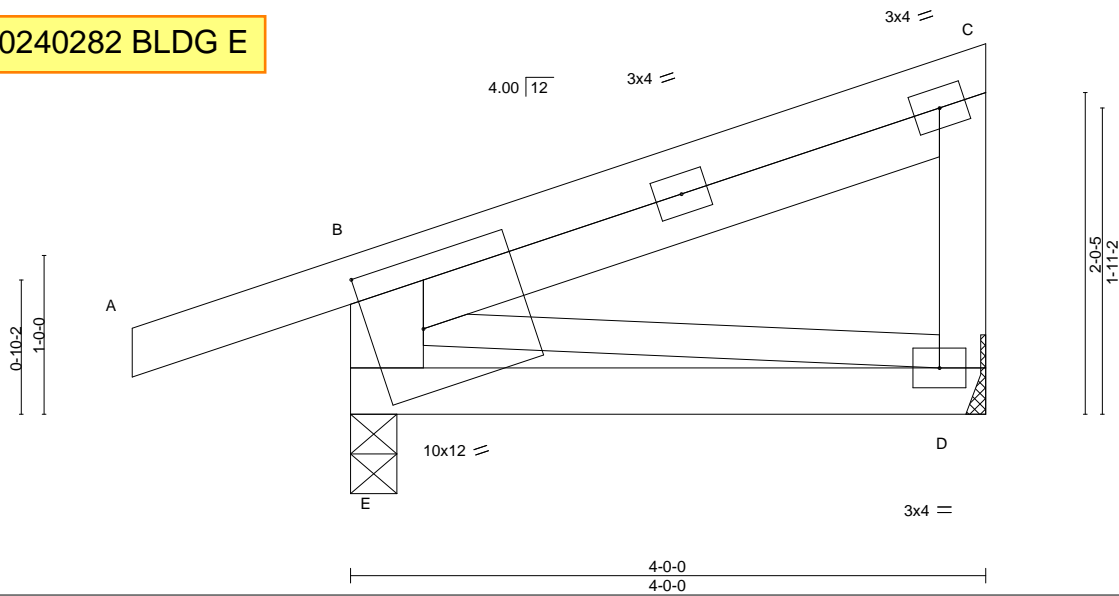


Plate Offsets (X,Y)-- [E:0-4-0,0-5-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.29	Vert(LL)	-0.01	D-E	>999	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.13	Vert(CT)	-0.02	D-E	>999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.02	Horz(CT)	-0.00	D	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MP	Wind(LL)	0.00	E	****	Weight: 21 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x6 SPF No.2 *Except*
 C-D: 2x4 SPF No.2, 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=69(LC 7)
 Max Uplift E=-77(LC 6), D=-23(LC 10)
 Max Grav E=433(LC 17), D=190(LC 17)

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

TOP CHORD B-E=-397/95

NOTES-

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint E and 23 lb uplift at joint D.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



May 22, 2023

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

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



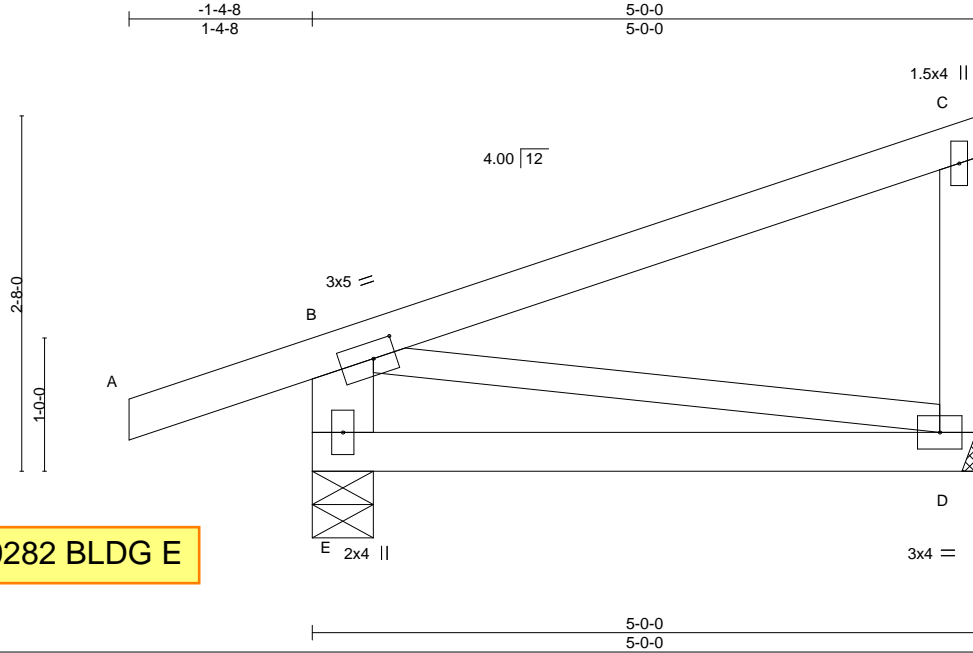
240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	N2	Monopitch	130	1	U1488934

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:01 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:17.3

PRMU20240282 BLDG E

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.47 BC 0.22 WB 0.02 Matrix-MP	Vert(LL) -0.03 Vert(CT) -0.05 Horz(CT) -0.00 Wind(LL) 0.00	D-E D-E D E	>999 >999 n/a ****	360 240 n/a 240	MT20	197/144
TCDL 12.0	Rep Stress Incr YES Code IBC2018/TPI2014						Weight: 20 lb	FT = 20%
BCLL 0.0 *								
BCDL 10.0								

LUMBER-

TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF No.2 *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=81(LC 7)
 Max Uplift D=-30(LC 10), E=-79(LC 6)
 Max Grav D=260(LC 17), E=487(LC 17)

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

TOP CHORD B-E=-441/103

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) 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 30 lb uplift at joint D and 79 lb uplift at joint E.
- 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



May 22, 2023

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488935
N0653	P1	GABLE	9	1		

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:06 2023 Page 1
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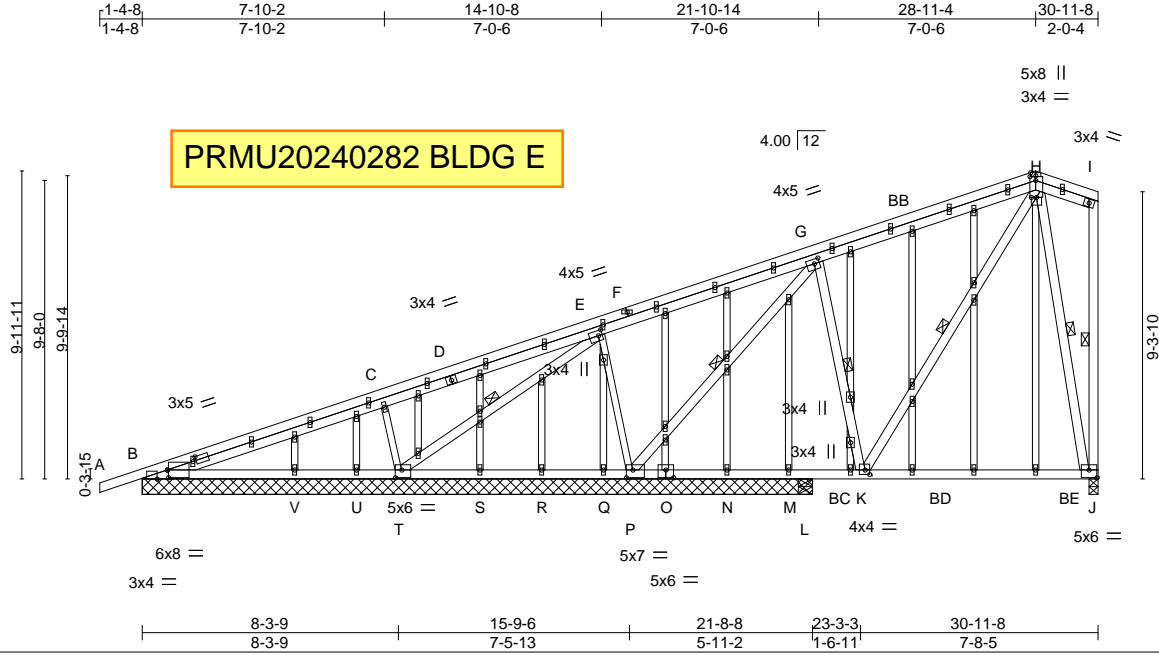


Plate Offsets (X,Y)--	[B:0-0-7,0-3-0], [B:0-11-12,0-1-8], [B:0-4-0,Edge], [E:0-1-8,0-2-0], [G:0-2-0,0-1-12], [H:0-1-8,0-2-4], [H:0-2-0,0-0-0], [H:0-2-0,Edge], [J:0-3-0,0-3-0], [K:0-1-12,0-1-12], [O:0-3-0,0-3-0], [P:0-2-8,0-3-0], [T:0-2-8,0-3-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.75	Vert(LL) -0.16	J-K	>692	360	MT20	197/144
TCDL 12.0	Plate Grip DOL 1.15	BC 0.64	Vert(CT) -0.26	J-K	>432	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.97	Horz(CT) -0.02	N	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Wind(LL) 0.04	V-BA	>999	240	Weight: 226 lb	FT = 20%
	Code IBC2018/TPI2014							

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-3-3 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 3-9-8 oc bracing.
WEBS 2x4 SPF No.2 *Except*	WEBS 1 Row at midpt E-T, G-P, G-K, H-K, I-J, H-J
C-T,E-P: 2x3 SPF No.2	
OTHERS 2x3 SPF No.2	

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.



May 22, 2023

Continued on page 2

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

240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488935
N0653	P1	GABLE	9	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:07 2023 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

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.

PRMU20240282 BLDG E

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

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

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job N0653	Truss P2	Truss Type Common	Qty 49	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488936
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:11 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

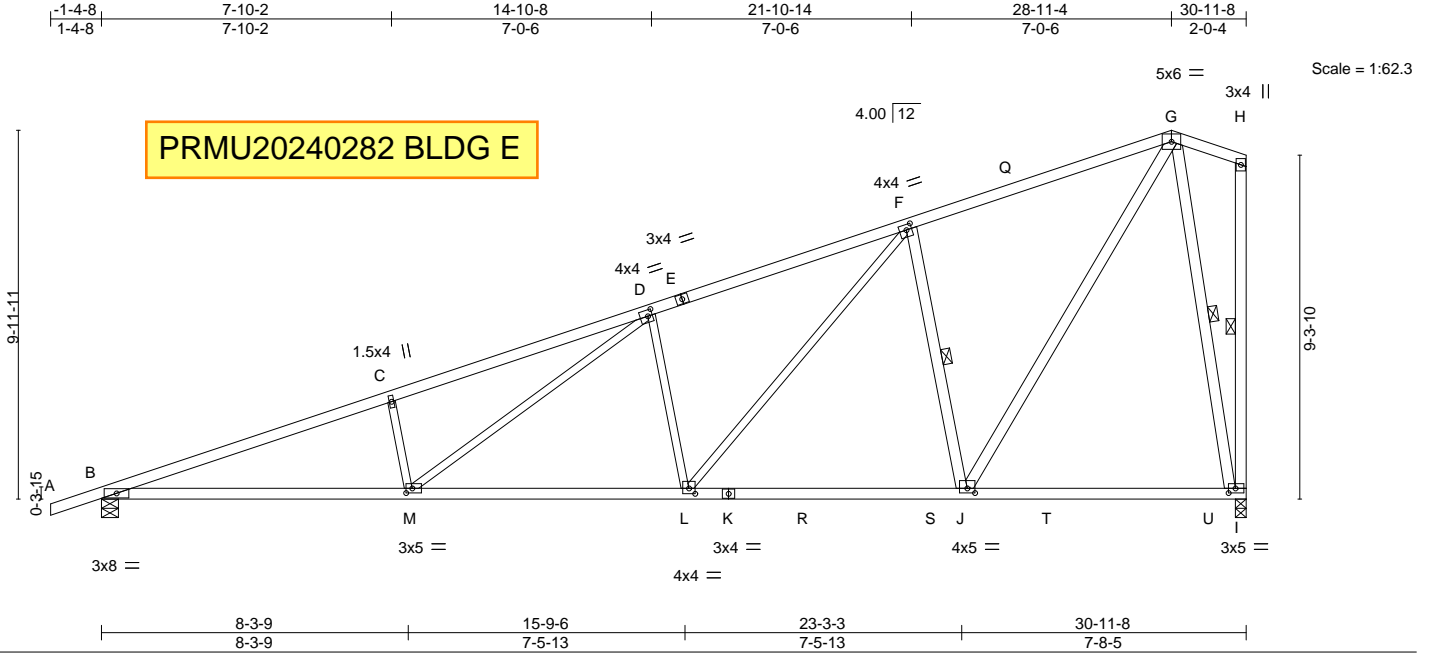


Plate Offsets (X,Y)--	[D:0-1-8,0-2-0], [F:0-1-12,0-1-12], [I:0-2-4,0-1-8], [J:0-2-8,0-1-8], [L:0-2-0,0-1-12], [M:0-2-0,0-1-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.95	in (loc) l/defl L/d	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.78	Vert(LL) -0.27 M-P >999 360		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.66	Vert(CT) -0.49 M-P >747 240		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS	Horz(CT) 0.08 I n/a n/a		
			Wind(LL) 0.14 M-P >999 240	Weight: 136 lb	FT = 20%

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

REACTIONS. (size) B=0-5-8, I=0-3-8
 Max Horz B=299(LC 9)
 Max Uplift B=206(LC 6), I=184(LC 6)
 Max Grav B=1603(LC 3), I=1584(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-3743/392, C-D=-3680/433, D-F=-2470/323, F-G=-1336/226
 BOT CHORD B-M=-466/3511, L-M=-297/2434, J-L=-140/1415, I-J=-83/292
 WEBS C-M=-539/176, D-M=-171/1245, D-L=-868/220, F-L=-181/1365, F-J=-1251/281,
 G-J=-234/1779, G-I=-1488/180

- 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) B=206, I=184.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



May 22, 2023

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job N0653	Truss P3	Truss Type COMMON	Qty 5	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488937
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:12 2023 Page 1

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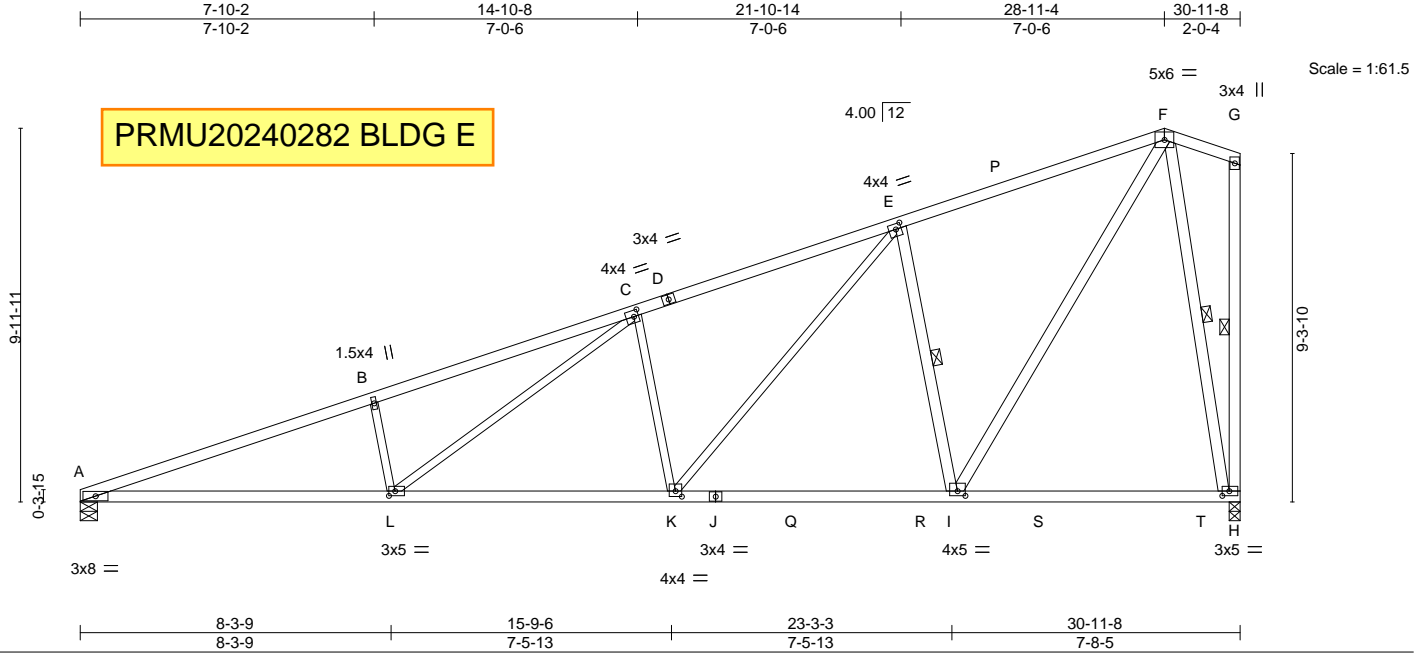


Plate Offsets (X,Y)-- [C:0-1-8,0-2-0], [E:0-1-12,0-1-12], [H:0-2-4,0-1-8], [I:0-2-8,0-1-8], [K:0-2-0,0-1-12], [L:0-2-0,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.73 BC 0.78 WB 0.67 Matrix-MS	in (loc) l/defl L/d Vert(LL) -0.25 L-O >999 360 Vert(CT) -0.46 L-O >804 240 Horz(CT) 0.08 H n/a n/a Wind(LL) 0.13 L-O >999 240	MT20	197/144
TCDL 12.0	Rep Stress Incr YES			Weight: 134 lb	FT = 20%
BCLL 0.0 *	Code IBC2018/TPI2014				
BCDL 10.0					

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

REACTIONS. (size) A=0-5-8, H=0-3-8
Max Horz A=292(LC 9)
Max Uplift A=-161(LC 6), H=-185(LC 6)
Max Grav A=1517(LC 3), H=1586(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-3764/404, B-C=-3703/446, C-E=-2476/327, E-F=-1338/227
BOT CHORD A-L=-473/3533, K-L=-299/2441, I-K=-140/1418, H-I=-83/292
WEBS B-L=-549/178, C-L=-176/1263, C-K=-875/222, E-K=-183/1370, E-I=-1254/281, F-I=-235/1782, F-H=-1490/181

- 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=185.
 - 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



May 22, 2023

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

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240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488938
N0653	P4	Common	25	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:13 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

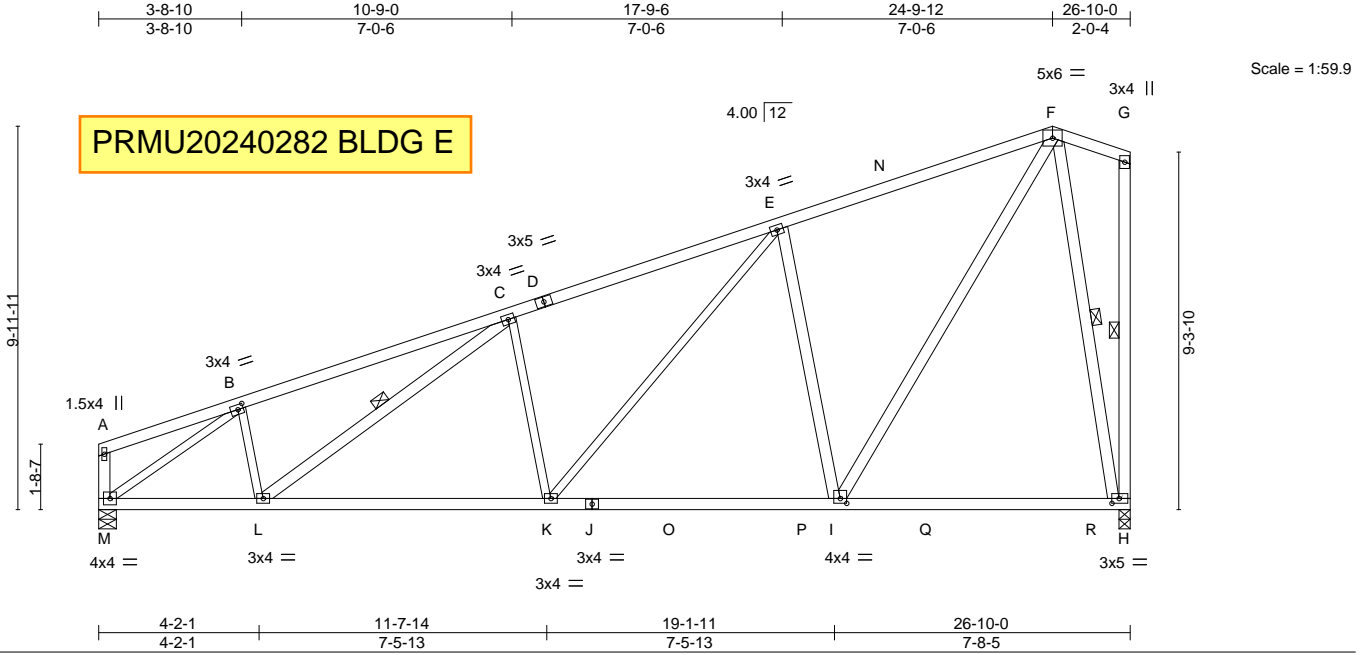


Plate Offsets (X,Y)-- [B:0-1-12,0-1-8], [H:0-2-4,0-1-8], [I:0-2-0,0-1-8]

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

LUMBER-

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



May 22, 2023

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240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488939
N0653	P5	GABLE	4	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:17 2023 Page 1

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PRMU20240282 BLDG E

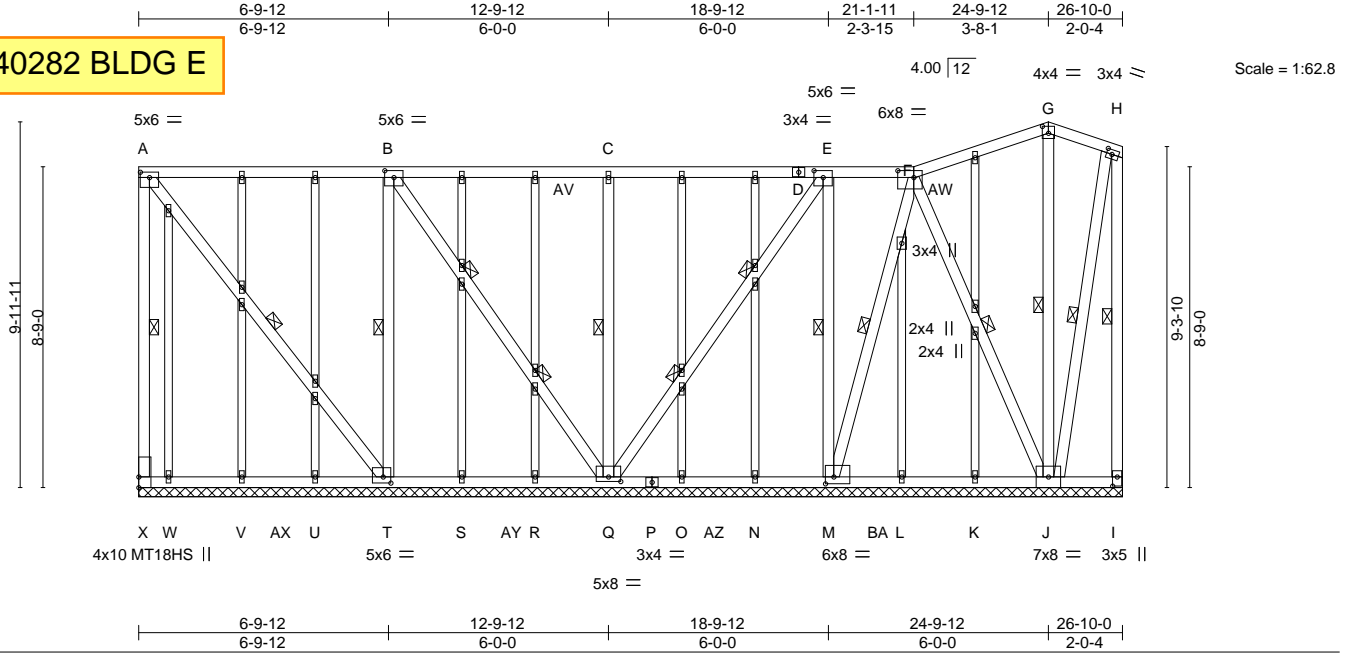


Plate Offsets (X,Y)-- [A:0-3-0,0-1-12], [B:0-3-0,0-2-4], [E:0-3-0,0-2-4], [F:0-5-4,0-2-4], [G:0-2-0,0-2-4], [H:0-1-12,0-1-8], [I:0-3-0,0-1-8], [M:0-2-12,0-2-4], [Q:0-4-0,0-1-8], [T:0-2-8,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.85	in (loc) l/defl L/d	MT20	197/144
TCDL 12.0	Plate Grip DOL 1.15	BC 0.33	Vert(LL) n/a - n/a 999	MT18HS	197/144
BCLL 0.0 *	Lumber DOL 1.15	WB 0.98	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) -0.01 Q n/a n/a		
	Code IBC2018/TPI2014			Weight: 242 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-1-14 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 4-7-5 oc bracing.
WEBS 2x4 SPF No.2 *Except*	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
A-X,A-T: 2x4 SPF 2100F 1.8E	
OTHERS 2x3 SPF No.2	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.



May 22, 2023

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488939
N0653	P5	GABLE	4	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:18 2023 Page 2
 ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2533 lb uplift at joint X, 542 lb uplift at joint T, 227 lb uplift at joint Q, 774 lb uplift at joint M, 1684 lb uplift at joint J, 853 lb uplift at joint I and 126 lb uplift at joint W.
- 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 14) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 26-10-0 for 240.0 plf.

PRMU20240282 BLDG E

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

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

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

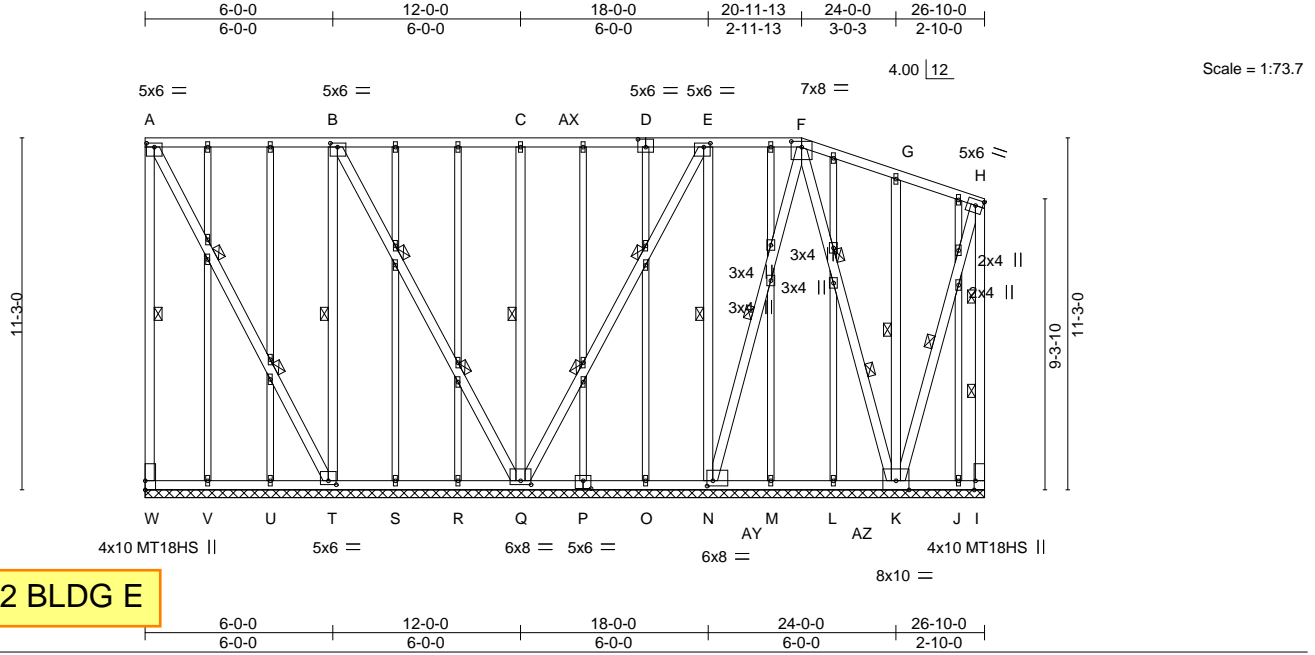
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488940
N0653	P6	GABLE	4	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:22 2023 Page 1
 ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hg3NSgPqnL8w3ulTXbGKWRcDoi7J4zJC?f



PRMU20240282 BLDG E

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-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.88	in (loc) l/defl L/d	MT20	197/144
TCDL 12.0	Plate Grip DOL 1.15	BC 0.33	Vert(LL) n/a - n/a 999	MT18HS	197/144
BCLL 0.0 *	Lumber DOL 1.15	WB 1.00	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.02 Q n/a n/a		
	Code IBC2018/TPI2014			Weight: 283 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-9-5 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 4-8-5 oc bracing.
WEBS 2x4 SPF 2100F 1.8E *Except* G-K,H-I,H-K: 2x4 SPF No.2	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
OTHERS 2x3 SPF No.2	

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

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

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever right exposed; end vertical right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) All plates are MT20 plates unless otherwise indicated.
 - 7) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 8) Gable requires continuous bottom chord bearing.
 - 9) Gable studs spaced at 2-0-0 oc.
 - 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.



May 22, 2023

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488940
N0653	P6	GABLE	4	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:23 2023 Page 2
 ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2704 lb uplift at joint W, 119 lb uplift at joint T, 208 lb uplift at joint Q, 332 lb uplift at joint N, 1801 lb uplift at joint I, 1788 lb uplift at joint K and 138 lb uplift at joint J.
- 13) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 14) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 26-10-0 for 240.0 plf.

PRMU20240282 BLDG E

Job N0653	Truss P7	Truss Type Common	Qty 24	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488941
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:24 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



PRMU20240282 BLDG E

4.00 |12 5x7 =

Scale: 3/16"=1'

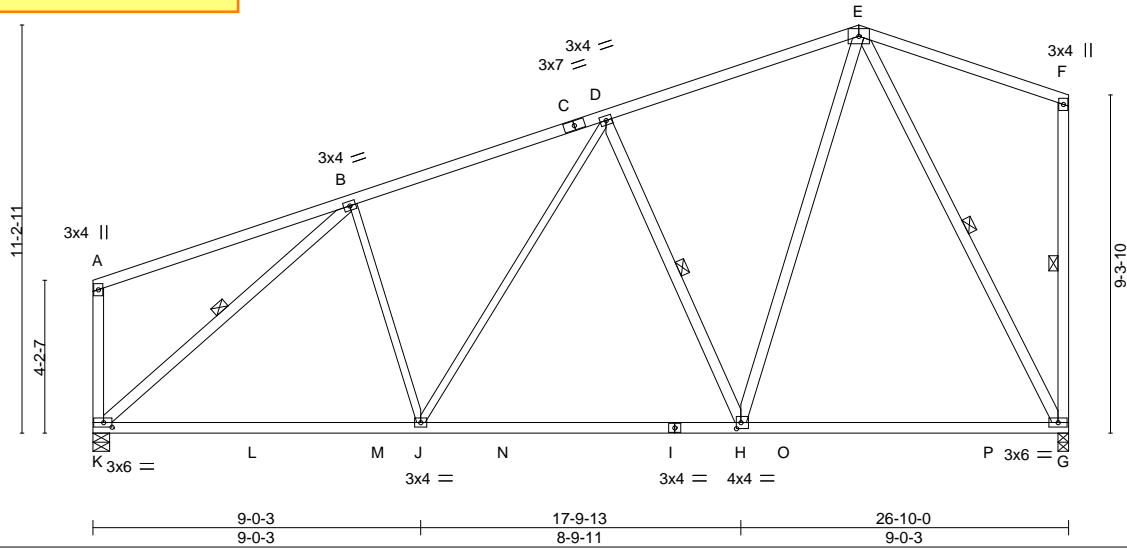


Plate Offsets (X,Y)-- [H:0-1-8,0-2-0], [K:0-2-12,0-1-8]

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

LUMBER-

TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF No.2 *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=1.0; 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.



May 22, 2023

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

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

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

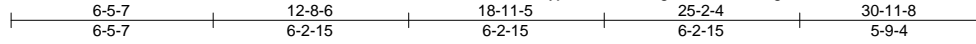


240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job N0653	Truss P8	Truss Type GABLE	Qty 4	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488942
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 21 2022 MiTek Industries, Inc. Fri May 19 15:33:49 2023 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-s3lLa8WCdx4m89J1ZoffuX0yE3lUA1xhJGwYBzEj0



7x8 ||
4x5 ||

Scale = 1:73.6

PRMU20240282 BLDG E

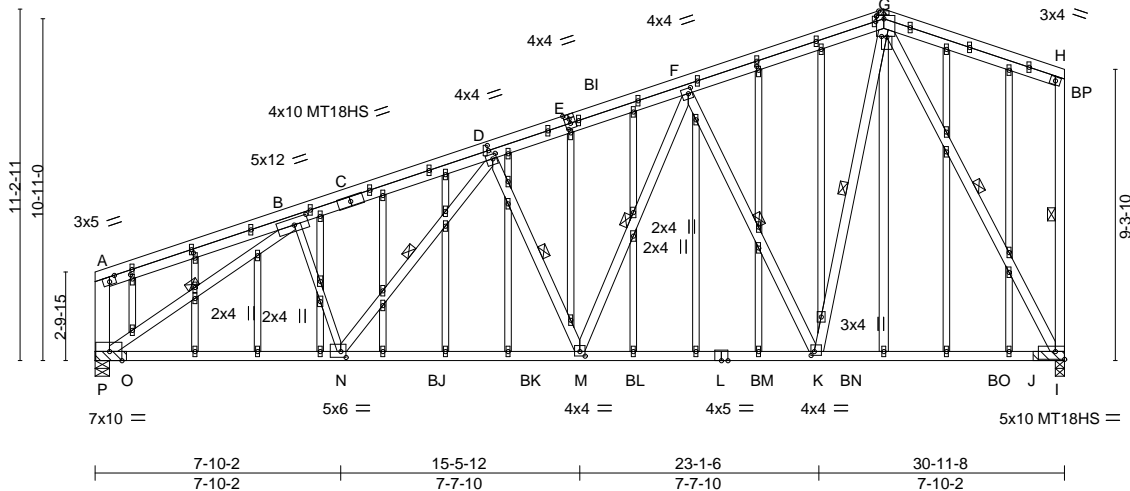


Plate Offsets (X,Y)-- [A:0-2-8,Edge], [B:0-5-8,0-2-8], [D:0-2-0,0-0-8], [D:0-1-8,0-1-12], [E:0-2-0,Edge], [E:0-1-6,0-0-12], [F:0-1-8,0-2-0], [G:0-2-0,0-0-4], [G:0-2-0,Edge], [G:0-0-4,0-2-0], [G:0-1-4,0-2-12], [I:Edge,0-3-0], [K:0-1-4,0-1-8], [M:0-2-0,0-1-12], [N:0-2-0,0-2-4], [P:0-4-12,Edge], [U:0-1-8,0-0-12], [AW:0-2-0,0-0-10], [AZ:0-1-11,0-0-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2018/TPI2014	TC 0.77 BC 0.81 WB 0.94 Matrix-MS	in (loc) l/defl L/d Vert(LL) -0.25 M-N >999 360 Vert(CT) -0.34 M-N >999 240 Horz(CT) 0.12 I n/a n/a Wind(LL) 0.19 M-N >999 240	MT20 MT18HS	197/144 197/144
TCDL 12.0				Weight: 281 lb	FT = 20%
BCLL 0.0 *					
BCDL 10.0					

LUMBER-

TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2 *Except*
 L-P: 2x4 SPF 2100F 1.8E
 WEBS 2x4 SPF No.2 *Except*
 B-N: 2x3 SPF No.2, A-P: 2x6 SPF No.2, B-P,G-I: 2x4 SPF 2100F 1.8E
 OTHERS 2x3 SPF No.2 *Except*
 G-Q: 2x4 SPF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 3-10-3 oc bracing.
 WEBS 1 Row at midpt D-N, D-M, F-M, F-K, G-K, B-P, H-I, G-I

REACTIONS.

(size) I=(0-3-8 + bearing block) , P=(0-5-8 + bearing block)
 Max Horz P=269(LC 33)
 Max Uplift I=-1379(LC 32), P=-3000(LC 31)
 Max Grav I=2510(LC 25), P=3704(LC 28)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=-1480/1507, B-D=-4501/3440, D-F=-4179/3302, F-G=-2787/2374, G-H=-1426/1495, H-I=-303/63
 BOT CHORD N-P=-4010/4782, M-N=-3860/4617, K-M=-2725/3382, I-K=-1317/1626
 WEBS B-N=-1380/1602, D-N=-1701/1752, D-M=-1155/1131, F-M=-1022/1460, F-K=-1608/958, G-K=-795/1845, B-P=-5761/5029, G-I=-2559/1533

NOTES-

- 2x4 SPF No.2 bearing block 12" long at jt. I attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF No.2.
- 2x4 SPF 2100F 1.8E bearing block 12" long at jt. P attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF No.2.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Bearing capacity is increased by the plate at joint(s) P. Plate must be within 1/4 in of bearing surface.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.



May 22,2023

Continued on page 2

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job N0653	Truss P8	Truss Type GABLE	Qty 4	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488942
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 21 2022 MiTek Industries, Inc. Fri May 19 15:33:49 2023 Page 2
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NOTES-

- 13) All bearings are assumed to be SPF No.2 crushing capacity of 425 psi.
- 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1379 lb uplift at joint I and 3000 lb uplift at joint P.
- 15) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 16) 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 30-11-8 for 240.0 plf.
- 17) 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.

PRMU20240282 BLDG E

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

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



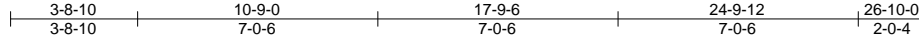
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job N0653	Truss P9	Truss Type GABLE	Qty 1	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488943
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:33 2023 Page 1

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PRMU20240282 BLDG E

3x6 =
6x10 ||

Scale = 1:67.4

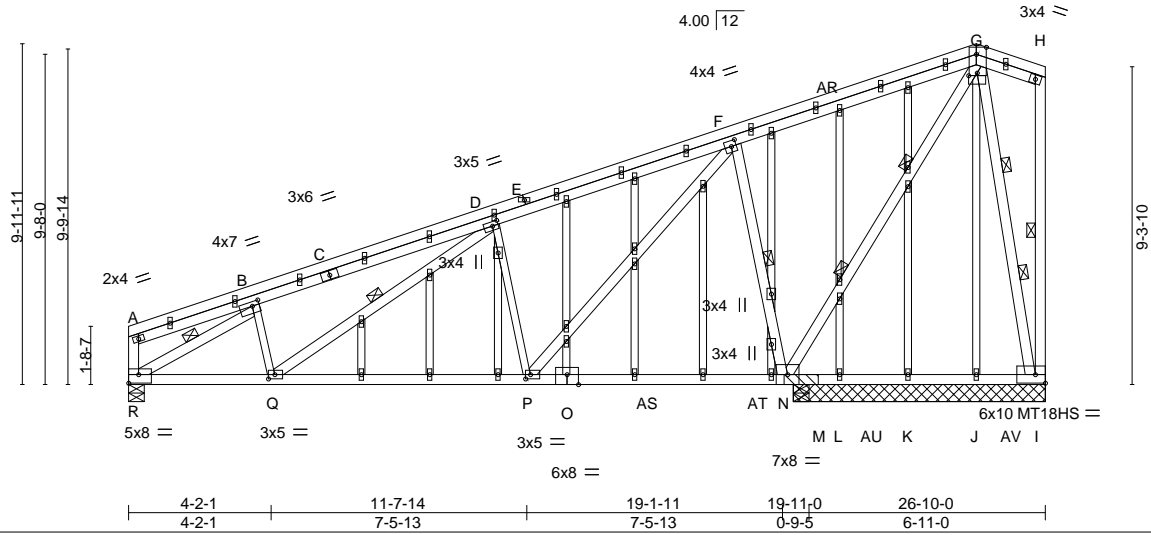


Plate Offsets (X,Y)-- [B:0-2-8,0-1-8], [D:0-2-0,0-1-8], [F:0-1-12,0-2-0], [G:0-3-0,0-0-15], [G:0-2-8,Edge], [O:0-4-0,Edge], [P:0-1-12,0-1-8], [Q:0-2-4,0-1-8], [R:Edge,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2018/TPI2014	TC 0.82 BC 0.95 WB 0.94 Matrix-MS	in (loc) l/defl L/d Vert(LL) -0.14 P-Q >999 360 Vert(CT) -0.22 P-Q >999 240 Horz(CT) -0.14 I n/a n/a Wind(LL) 0.12 P-Q >999 240	MT20 MT18HS Weight: 212 lb	197/144 197/144 FT = 20%

LUMBER-

TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF 2100F 1.8E *Except*
 O-R: 2x4 SPF No.2
 WEBS 2x4 SPF No.2 *Except*
 B-Q,D-P: 2x3 SPF No.2, G-N: 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-Q, F-N, B-R, H-I
 2 Rows at 1/3 pts G-N, G-I

REACTIONS.

All bearings 7-4-8 except (jt=length) R=0-5-8.
 (lb) - Max Horz R=471(LC 37)
 Max Uplift All uplift 100 lb or less at joint(s) J except N=3032(LC 39), R=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 N=4048(LC 28), N=1815(LC 1), R=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 Q-R=-2786/3032, P-Q=-3904/4061, N-P=-4358/4252, L-N=-6183/6132, K-L=-4694/4698,
 J-K=-3002/2951, I-J=-1256/1205
 WEBS B-Q=-743/863, D-Q=-1329/1450, D-P=-825/574, F-P=-629/1424, F-N=-1215/514,
 G-N=-3825/3587, B-R=-3304/2884, G-I=-2584/2731

NOTES-

- 1) 2x4 SPF 2100F 1.8E bearing block 12" long at jt. N attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF No.2.
- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDD=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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum 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) 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) J except (jt=lb) N=3032, R=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



May 22, 2023

Continued on page 2

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

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

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

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488943
N0653	P9	GABLE	1	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:33 2023 Page 2
 ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 13) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 19-5-8 to 26-10-0 for 873.2 plf.
- 14) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
- 15) No notches allowed in overhang and 0 from left end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

PRMU20240282 BLDG E

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

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



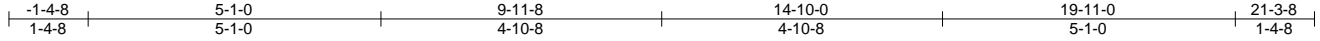
240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job N0653	Truss P10	Truss Type GABLE	Qty 1	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488944
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:09 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCD0i7J4zJC?f



Scale = 1:40.0

PRMU20240282 BLDG E

4x8 ||
3x5 =

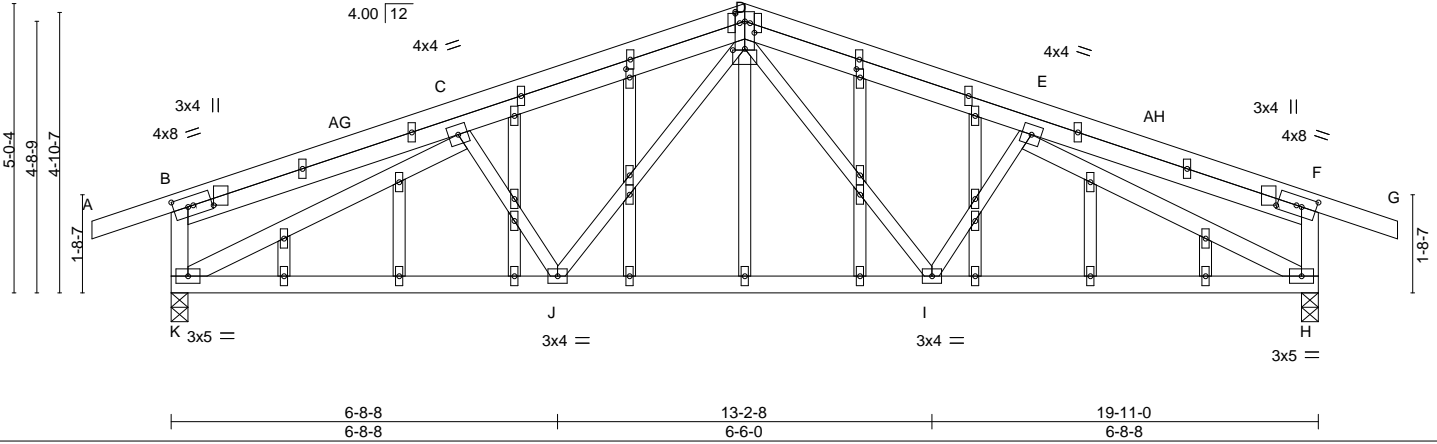


Plate Offsets (X,Y)-- [B:0-0-0,0-4-4], [B:0-3-0,0-2-0], [D:0-2-0,0-15], [D:0-2-0,0-2-0], [D:0-2-8,0-0-4], [D:0-2-0,0-15], [F:0-3-0,0-2-0], [F:0-0-0,0-4-4], [N:0-1-12,0-0-12], [W:0-1-12,0-0-12], [Y:0-0-0,0-0-0], [Y:0-0-0,0-0-0], [AB:0-0-0,0-0-0], [AB:0-0-0,0-0-0], [AF:0-0-0,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.42	Vert(LL) -0.05	H-I	>999	360	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.43	Vert(CT) -0.11	H-I	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.81	Horz(CT) 0.04	H	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS	Wind(LL) 0.03	I-J	>999	240	Weight: 119 lb	FT = 20%

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

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

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

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 6) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 7) Gable studs spaced at 2-0-0 oc.
 - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) K=139, H=139.
 - 11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 12) No notches allowed in overhang and 10408 from left end and 10408 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.



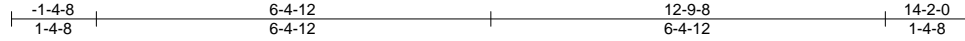
May 22,2023

Job N0653	Truss R1	Truss Type GABLE	Qty 1	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488945
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:35 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



PRMU20240282 BLDG E

4x5 =

Scale = 1:37.4

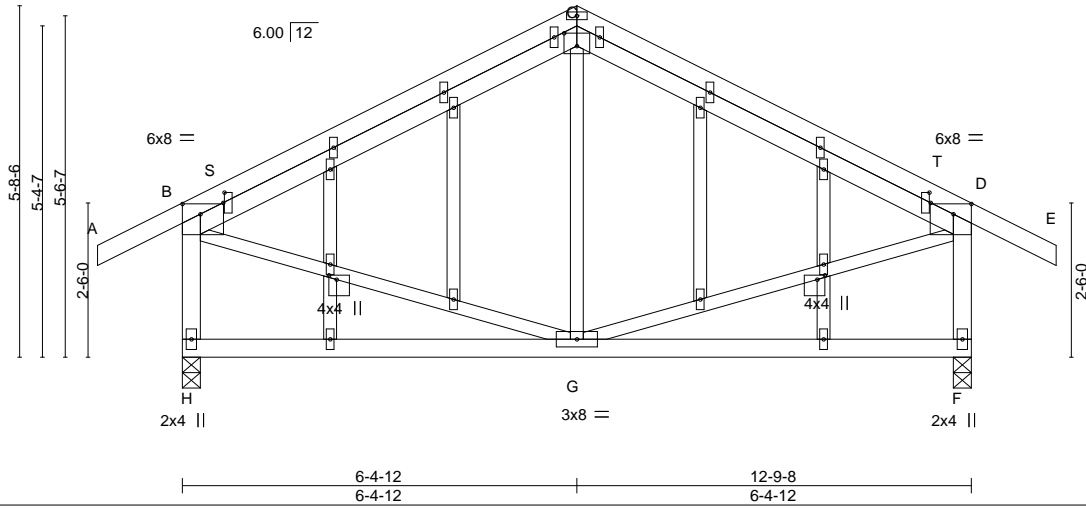


Plate Offsets (X,Y)-- [B:0-3-8,0-2-0], [C:0-2-8,0-2-8], [D:0-3-8,0-2-0], [K:0-0-14,0-1-8], [R:0-0-14,0-1-8], [S:0-2-0,0-0-4], [T:0-2-0,0-0-4]

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

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; BC DL=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.



May 22, 2023

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

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

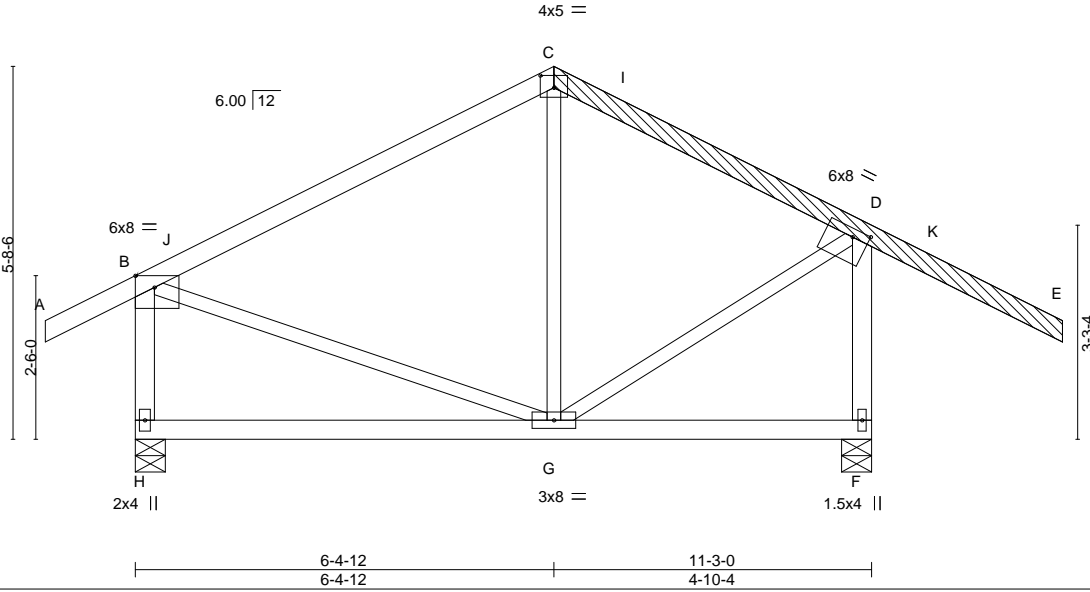
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	R2	Common	3	1	U1488946

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:36 2023 Page 1
 ID:hFyjDMxrTsEK_kgkR0vWWVzF1gc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCD0i7J4zJC?f



Scale = 1:35.2

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-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.71	Vert(LL)	-0.04	G-H	>999	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.25	Vert(CT)	-0.08	G-H	>999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.12	Horz(CT)	-0.00	F	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS	Wind(LL)	0.00	G	>999		
							Weight: 62 lb	FT = 20%

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.



PRMU20240282 BLDG E

May 22, 2023

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

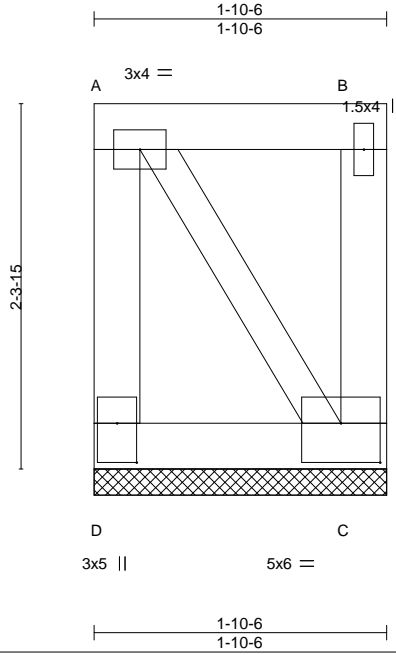
Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	S1	BLOCKING SUPPORTED	75	1	U1488947

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:37 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFgC-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

PRMU20240282 BLDG E



Scale = 1:14.7

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

LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	l/defl	n/a	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	L/d	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	-0.00		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.



May 22, 2023

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

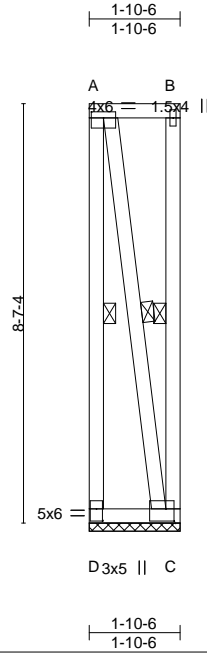
Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	S2	BLOCKING SUPPORTED	119	1	U1488948

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:45 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCdoi7J4zJC?f

PRMU20240282 BLDG E



Scale = 1:47.3

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.66	Vert(LL)	n/a	-	n/a	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.07	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.68	Horz(CT)	0.00	C	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-P					Weight: 32 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-10-6 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.



May 22, 2023

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488949
N0653	S3	BLOCKING SUPPORTED	119	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:46 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

PRMU20240282 BLDG E

Scale: 1/4"=1'

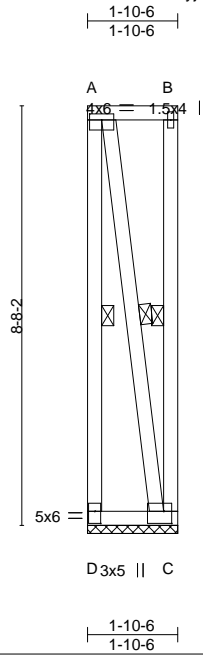


Plate Offsets (X,Y)-- [A:0-3-0,0-1-8], [C:0-2-0,0-3-0], [D:0-3-0,0-1-8]

LOADING (psf)		SPACING-		CSI.		DEFL.				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.



May 22, 2023

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240 Stirling Crescent
 Bradford, ON. L3Z 4L5

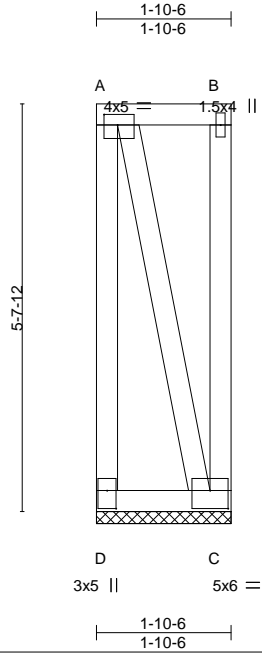
Job N0653	Truss S4	Truss Type BLOCKING SUPPORTED	Qty 104	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488950
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:48 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

PRMU20240282 BLDG E



Scale: 3/8"=1'

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

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

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-10-6 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.



May 22, 2023

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

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



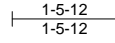
240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488951
N0653	S5	BLOCKING SUPPORTED	26	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:49 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzF1gc-RfC?PsB70Hq3NSgPqnL8w3uTXbGKWrCDoi7J4zJC?f



Scale: 3/8"=1'

PRMU20240282 BLDG E

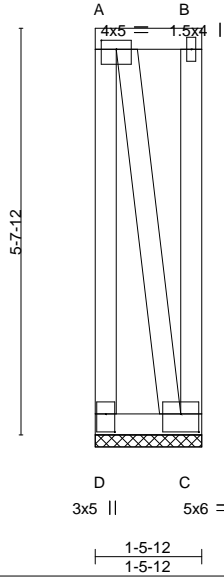


Plate Offsets (X,Y)-- [A:0-2-8,0-1-8], [C:0-3-0,0-3-0], [D:0-3-0,0-1-8]

LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.81	in	(loc)	l/defl	L/d	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.07	Vert(LL)	n/a	-	n/a		
TCDL	12.0	Rep Stress Incr	YES	WB	0.85	Vert(CT)	n/a	-	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-P		Horz(CT)	-0.00	C	n/a		
BCDL	10.0									Weight: 21 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-5-12 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.



May 22, 2023

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	S6	BLOCKING SUPPORTED	99	1	U1488952

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:50 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFgC-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

PRMU20240282 BLDG E

Scale = 1:50.5

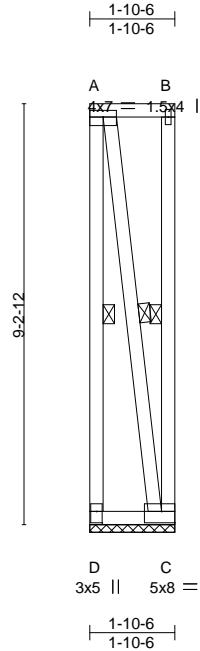


Plate Offsets (X,Y)-- [A:Edge,0-1-12], [C:Edge,0-3-0], [D:0-3-0,0-1-8]

LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	n/a	-	n/a	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-

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) D=2155, C=2155.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 240.0 plf.



May 22, 2023

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	S7	BLOCKING SUPPORTED	99	1	U1488953

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:51 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzF1gc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCdoi7J4zJC?f

Scale = 1:50.9

PRMU20240282 BLDG E

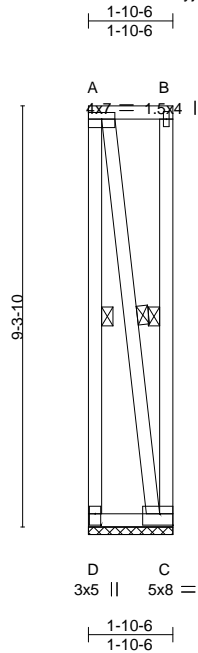


Plate Offsets (X,Y)-- [A:Edge,0-1-12], [C:Edge,0-3-0], [D:0-3-0,0-1-8]

LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.00	C	n/a	n/a		
BCLL	0.0 *	Code IBC2018/TPI2014		Matrix-P							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.



May 22, 2023

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

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

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	S8	BLOCKING SUPPORTED	4	1	U1488954

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:53 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzF1gc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Scale = 1:50.7

PRMU20240282 BLDG E

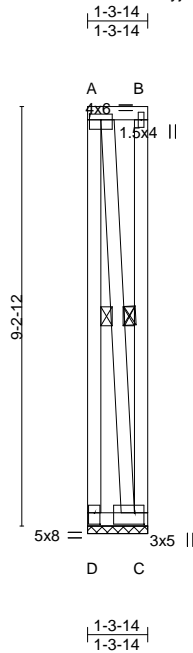


Plate Offsets (X,Y)-- [A:0-3-0,0-1-8], [C:0-2-8,0-3-0], [D:0-3-0,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.81	Vert(LL)	n/a	-	n/a	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.04	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.81	Horz(CT)	0.00	C	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-P					Weight: 33 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-3-14 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.



May 22, 2023

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488955
N0653	S9	BLOCKING SUPPORTED	4	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:54 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

PRMU20240282 BLDG E

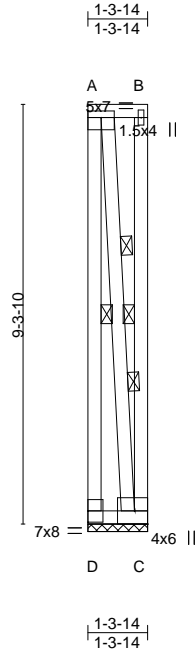


Plate Offsets (X,Y)-- [A:Edge,0-1-12]

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

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.



May 22, 2023

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	S10	BLOCKING SUPPORTED	1	1	U1488956

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:39 2023 Page 1

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PRMU20240282 BLDG E

Scale = 1:50.6

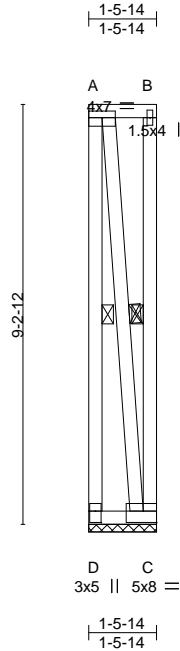


Plate Offsets (X,Y)-- [A:Edge,0-1-12], [C:Edge,0-3-0], [D:0-3-0,0-1-8]

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

LUMBER-

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

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.



May 22, 2023

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

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	S11	BLOCKING SUPPORTED	1	1	U1488957

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:40 2023 Page 1

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PRMU20240282 BLDG E

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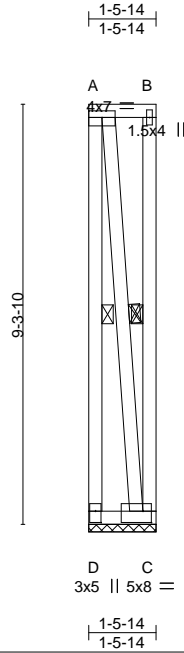


Plate Offsets (X,Y)-- [A:Edge,0-1-12], [C:0-2-4,0-3-0], [D:0-3-0,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.83	Vert(LL)	n/a	-	n/a	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.05	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.84	Horz(CT)	0.00	C	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-P					Weight: 33 lb	FT = 20%

LUMBER-

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

BRACING-

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

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) D=2169, C=2169.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-5-14 for 240.0 plf.



May 22, 2023

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

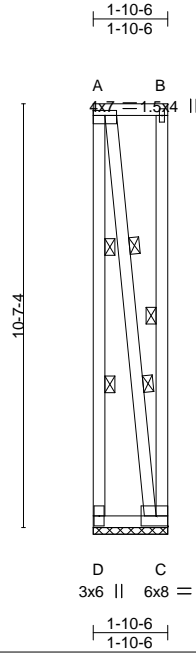
Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	S12	BLOCKING SUPPORTED	232	1	U1488958

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:41 2023 Page 1

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PRMU20240282 BLDG E



Scale = 1:57.7

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.93 BC 0.07 WB 0.94 Matrix-P	Vert(LL) Vert(CT) Horz(CT)	n/a n/a 0.00	- - C	n/a n/a n/a	999 999	MT20 197/144
TCDL 12.0	Rep Stress Incr YES Code IBC2018/TPI2014						Weight: 39 lb	FT = 20%
BCLL 0.0 *								
BCDL 10.0								

LUMBER-

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

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.



May 22, 2023

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

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

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

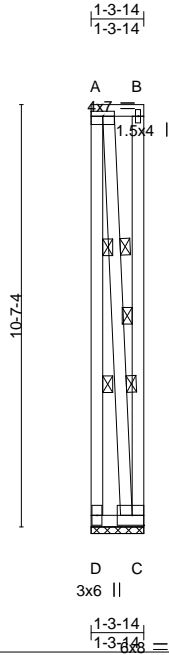
Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	S13	BLOCKING SUPPORTED	6	1	U1488959

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:43 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzF1gc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

PRMU20240282 BLDG E



Scale = 1:57.9

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.92 BC 0.04 WB 0.93 Matrix-P	Vert(LL) Vert(CT) Horz(CT)	n/a n/a 0.00	- - C	n/a n/a n/a	999 999	MT20 197/144
TCDL 12.0	Rep Stress Incr YES Code IBC2018/TPI2014						Weight: 37 lb	FT = 20%
BCLL 0.0 *								
BCDL 10.0								

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

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 pif. 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 pif.



May 22, 2023

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

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

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

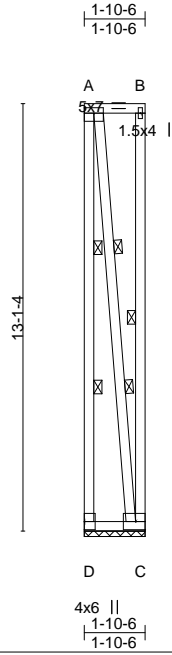
Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488960
N0653	S14	BLOCKING SUPPORTED	36	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:44 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzF1gc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

PRMU20240282 BLDG E



Scale = 1:70.6

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

6x8 =

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.99 BC 0.07 WB 1.00 Matrix-P	Vert(LL) Vert(CT) Horz(CT)	n/a n/a 0.00	- - C	n/a n/a n/a	999 999	MT20 197/144
TCDL 12.0	Rep Stress Incr YES Code IBC2018/TPI2014							
BCLL 0.0 *								
BCDL 10.0							Weight: 47 lb	FT = 20%

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.



May 22, 2023

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

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

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

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

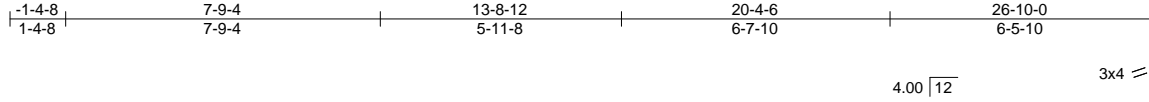


240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job N0653	Truss T1	Truss Type GABLE	Qty 9	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488961
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:58 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCD0i7J4zJC?f



Scale = 1:56.9

PRMU20240282 BLDG E

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

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

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

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

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

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 6) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 7) Gable studs spaced at 2-0-0 oc.
 - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) R except (jt=lb) I=871, B=806, P=2103, J=318, K=446.
 - 11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 12) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist



May 22,2023

Continue on page 2
 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
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240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488961
N0653	T1	GABLE	9	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:46:59 2023 Page 2
 ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

- 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.

PRMU20240282 BLDG E

Job N0653	Truss T2	Truss Type Monopitch	Qty 99	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488962
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:00 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:55.9

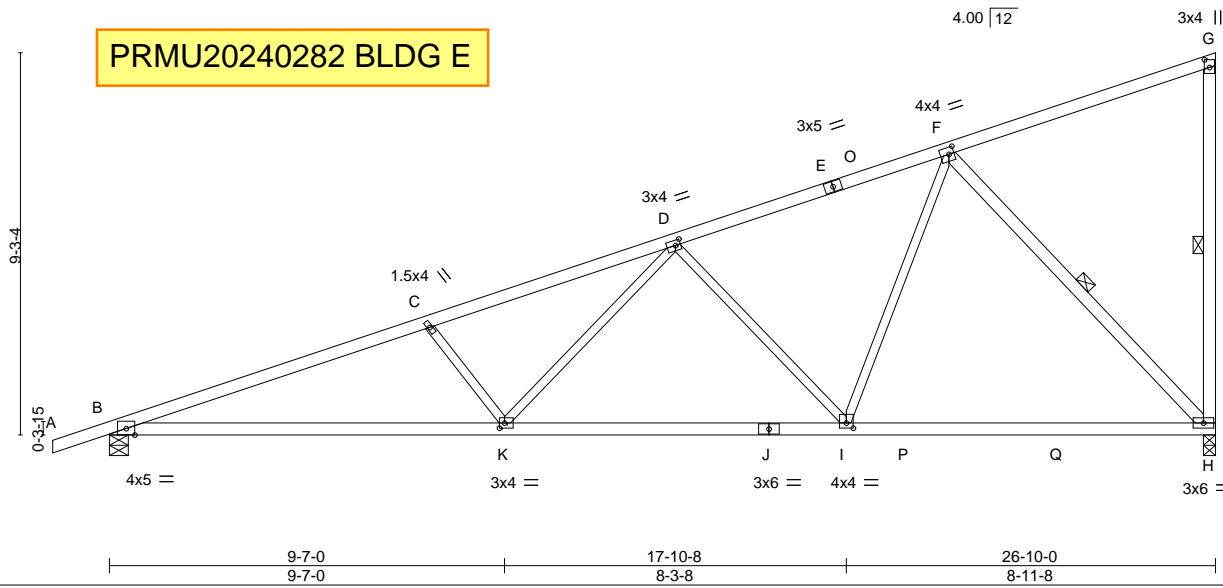


Plate Offsets (X,Y)-- [D:0-1-8,0-1-8], [F:0-1-8,0-2-0], [G:0-2-4,0-1-8], [I:0-2-0,0-1-8], [K:0-1-8,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.94 BC 0.95 WB 0.89 Matrix-MS	Vert(LL) -0.30 Vert(CT) -0.55 Horz(CT) 0.07 Wind(LL) 0.13	H-I K-N H K-N	>999 >587 n/a >999	360 240 n/a 240	MT20	197/144
TCDL 12.0	Rep Stress Incr YES Code IBC2018/TPI2014						Weight: 103 lb	FT = 20%
BCLL 0.0 *								
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=1535(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=-3138/325, C-D=-2875/291, D-F=-1585/171, G-H=-296/51
 BOT CHORD B-K=-394/2941, I-K=-249/2032, H-I=-112/1082
 WEBS C-K=-534/165, D-K=-71/947, D-I=-914/199, F-I=-64/1077, 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.



May 22, 2023

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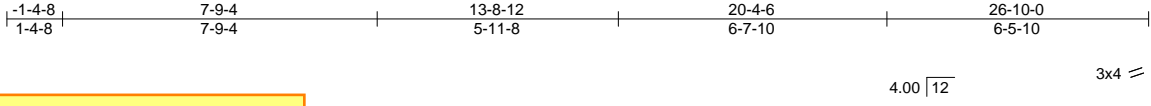
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



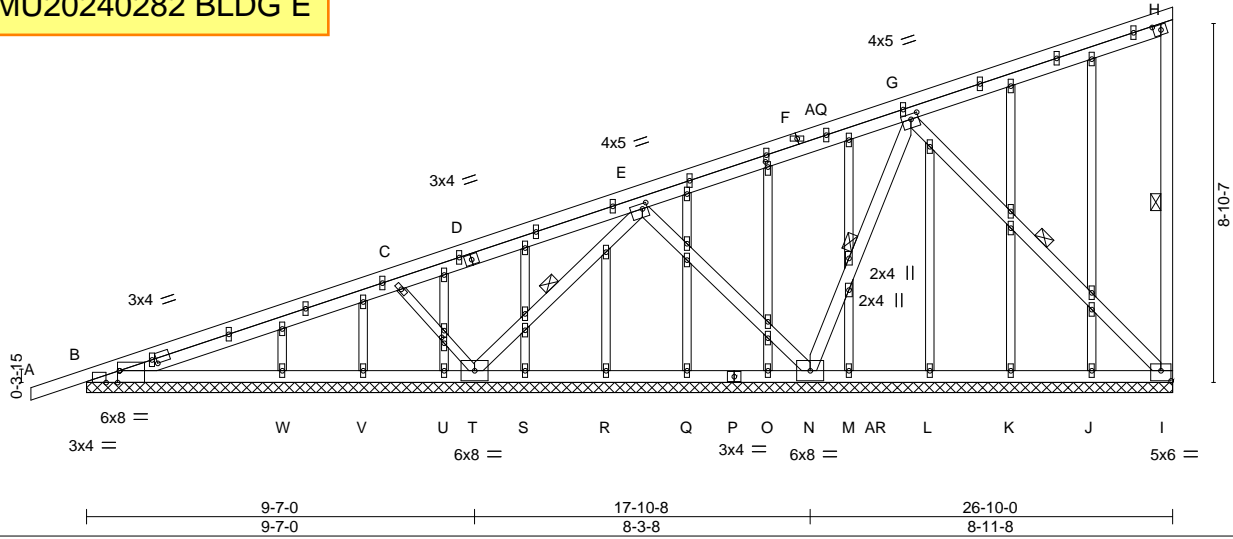
240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job N0653	Truss T3	Truss Type GABLE	Qty 9	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488963
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:05 2023 Page 1
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PRMU20240282 BLDG E



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.82 BC 0.56 WB 0.89 Matrix-S	in (loc) l/defl L/d Vert(LL) -0.01 A n/r 120 Vert(CT) 0.04 A n/r 90 Horz(CT) -0.03 K n/a n/a	MT20 Weight: 176 lb	197/144 FT = 20%
TCDL 12.0	Rep Stress Incr YES				
BCLL 0.0 *	Code IBC2018/TPI2014				
BCDL 10.0					

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

REACTIONS. All bearings 26-10-0.
 (lb) - Max Horz B=291(LC 38)
 Max Uplift All uplift 100 lb or less at joint(s) J, V except I=1199(LC 35), B=-704(LC 32), T=-2021(LC 40), N=-900(LC 40)
 Max Grav All reactions 250 lb or less at joint(s) J, K, L, M, O, Q, R, S, U, V, W except I=1231(LC 28), B=844(LC 29), T=2060(LC 53), N=1176(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 1.



May 22, 2023

Continued on page 2

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

240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488963
N0653	T3	GABLE	9	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:05 2023 Page 2
 ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 13) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 26-10-0 for 240.0 plf.
- 14) No notches allowed in overhang and 10408 from left end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

PRMU20240282 BLDG E

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

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



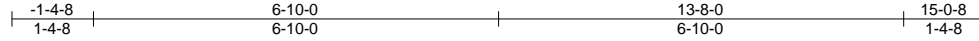
240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job N0653	Truss U1	Truss Type GABLE	Qty 10	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488964
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:07 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



PRMU20240282 BLDG E

4x5 ||

Scale = 1:38.9

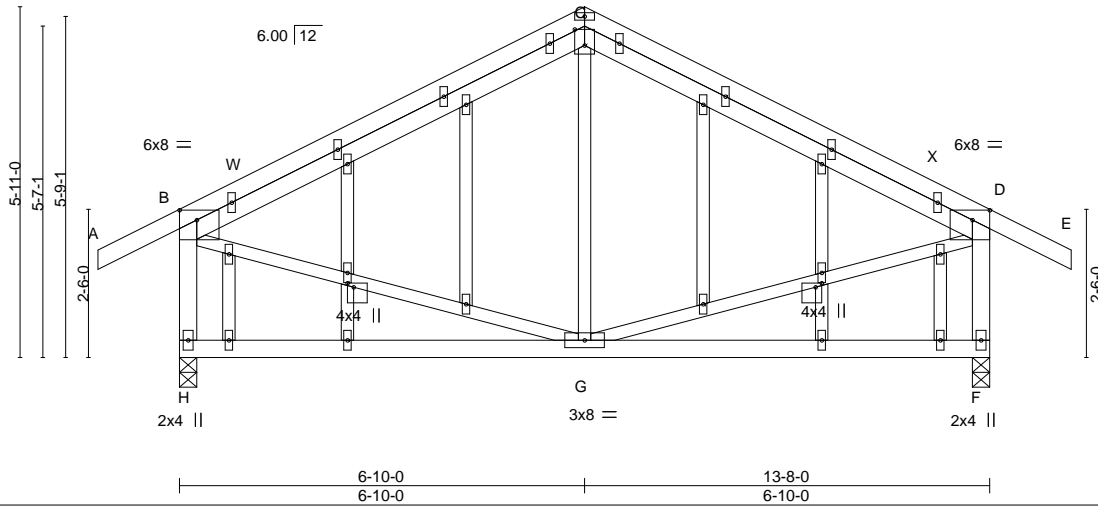


Plate Offsets (X,Y)-- [B:0-3-8,0-2-0], [C:0-3-4,0-2-0], [D:0-3-8,0-2-0], [K:0-0-13,0-1-4], [T:0-0-13,0-1-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.81 BC 0.33 WB 0.14 Matrix-MS	in (loc) l/defl L/d Vert(LL) -0.04 F-G >999 360 Vert(CT) -0.09 F-G >999 240 Horz(CT) 0.00 F n/a n/a Wind(LL) 0.00 G >999 240	MT20	197/144
TCDL 12.0	Rep Stress Incr YES			Weight: 86 lb	FT = 20%
BCLL 0.0 *	Code IBC2018/TPI2014				
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.



May 22, 2023

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	U2	GABLE	10	1	U1488965

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:08 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?F



3x4 ≡

Scale = 1:51.9

PRMU20240282 BLDG E

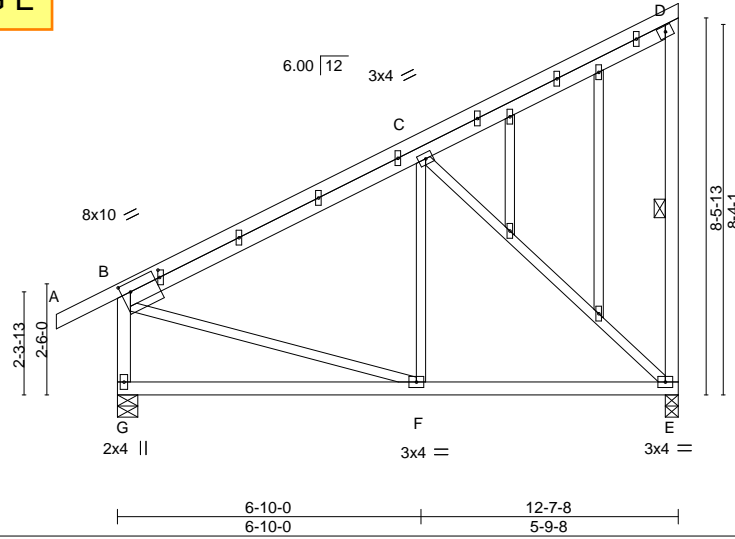


Plate Offsets (X,Y)-- [B:0-2-8,0-2-8], [B:0-2-0,0-0-7]

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

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.



May 22, 2023

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	U3	Monopitch	20	1	U1488966

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:09 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzF1gc-R1C?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

PRMU20240282 BLDG E

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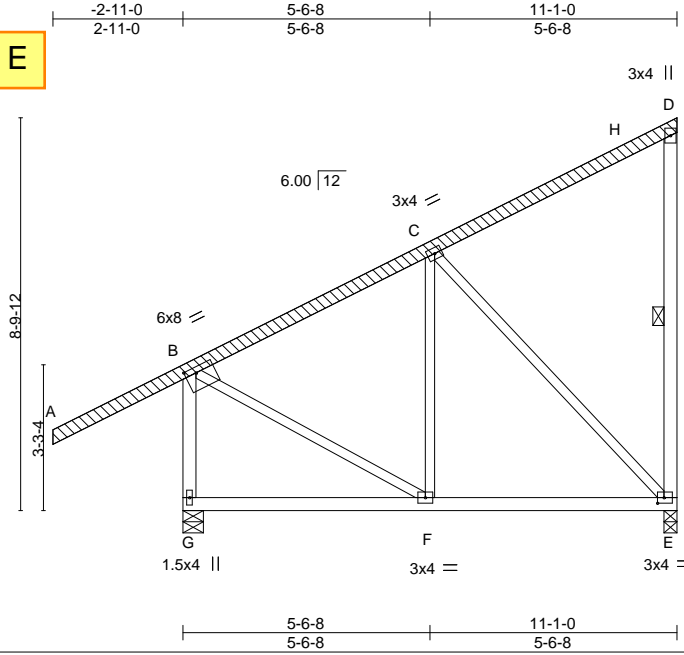


Plate Offsets (X,Y)-- [B:0-3-0,0-1-8], [E:0-1-12,0-1-8]

LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.02	E-F	>999	L/d	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-

- Attached 15-9-9 scab A to D, front face(s) 2x4 SPF No.2 with 1 row(s) of 10d (0.131"x3") nails spaced 9" o.c. except : starting at 2-5-1 from end at joint A, nail 1 row(s) at 4" o.c. for 2-0-0; starting at 8-5-8 from end at joint A, nail 1 row(s) at 7" o.c. for 2-0-0; starting at 13-5-14 from end at joint A, nail 1 row(s) at 7" o.c. for 2-0-0.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) G except (jt=lb) E=103.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



May 22, 2023

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

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

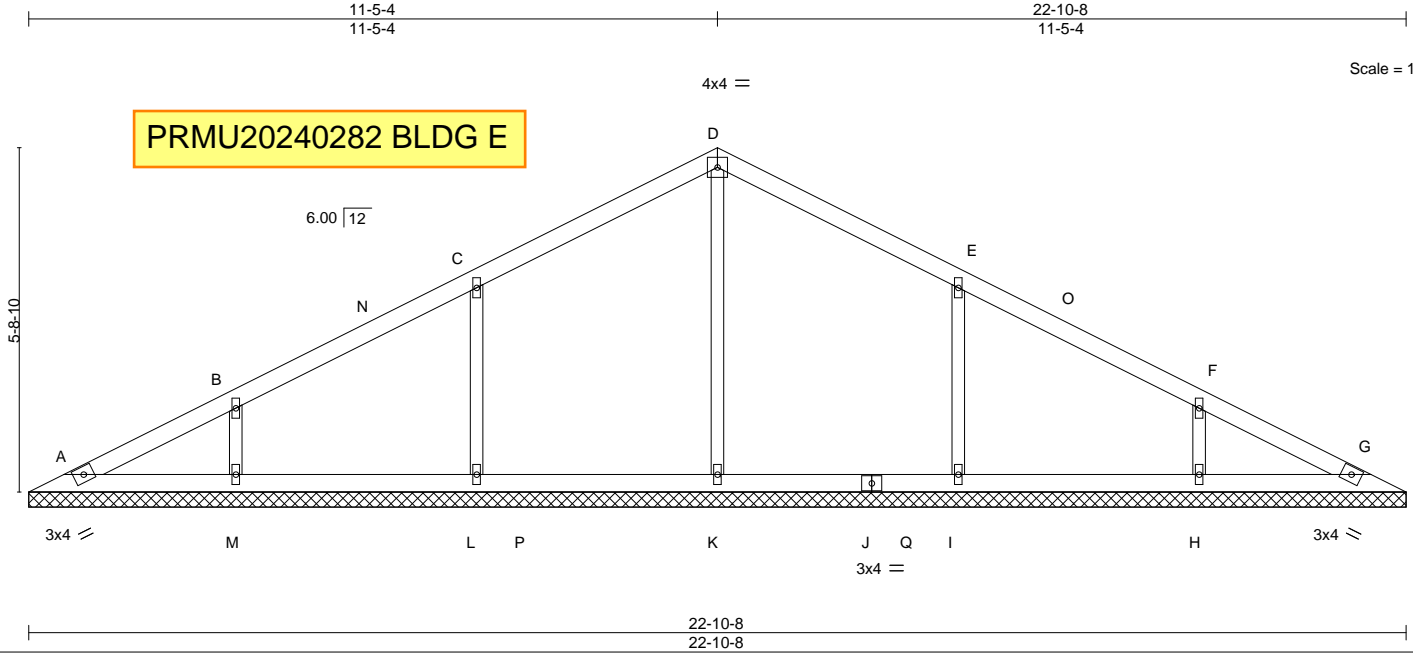


240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job N0653	Truss VH1	Truss Type Valley	Qty 22	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488967
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:11 2023 Page 1
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Scale = 1:38.3

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.30	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.14	Vert(LL) n/a - n/a 999		
TCDL 12.0	Lumber DOL 1.15	WB 0.17	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 G n/a n/a		
BCDL 10.0	Code IBC2018/TPI2014			Weight: 65 lb	FT = 20%

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

REACTIONS. All bearings 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.



May 22, 2023

Job N0653	Truss VH2	Truss Type Valley	Qty 22	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488968
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:12 2023 Page 1

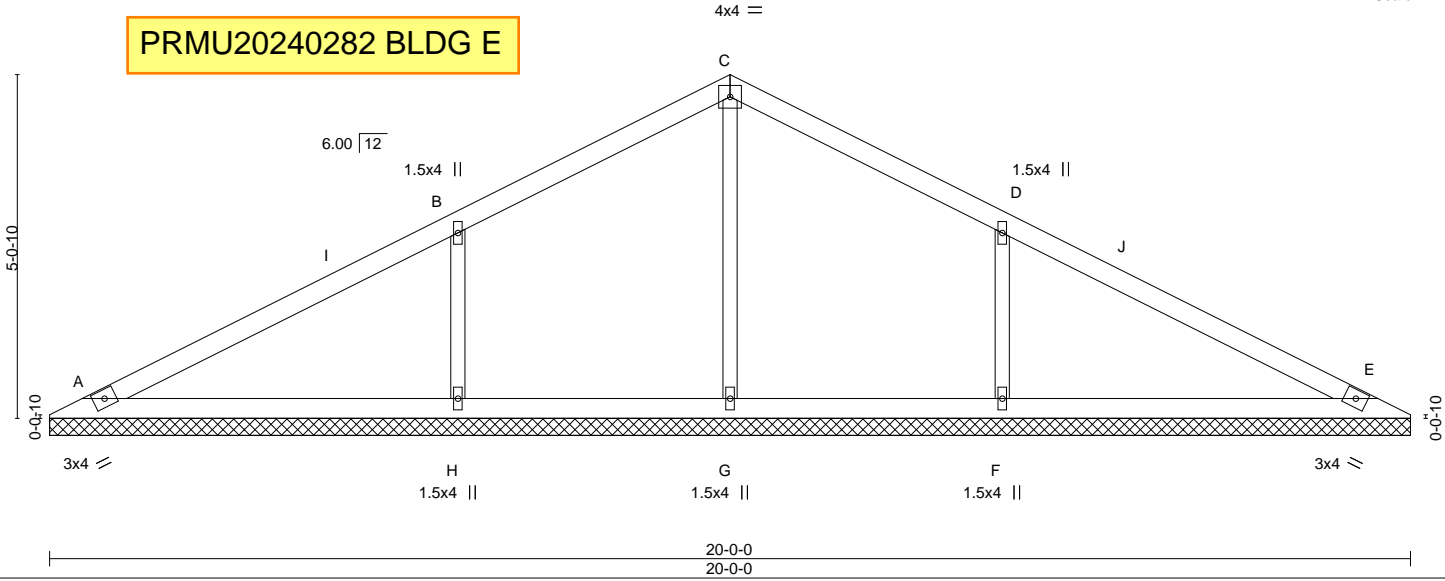
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Job Reference (optional)



Scale = 1:33.9

PRMU20240282 BLDG E



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

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

REACTIONS. All bearings 20-0-0.
 (lb) - Max Horz A=62(LC 14)
 Max Uplift All uplift 100 lb or less at joint(s) A, E except H=-117(LC 10), F=-117(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) A, E, G except H=704(LC 16), F=704(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS B-H=-572/165, D-F=-573/165

- NOTES-**
- 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=1.0; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, 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.



May 22, 2023

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

240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job N0653	Truss VH3	Truss Type Valley	Qty 22	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488969
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:14 2023 Page 1

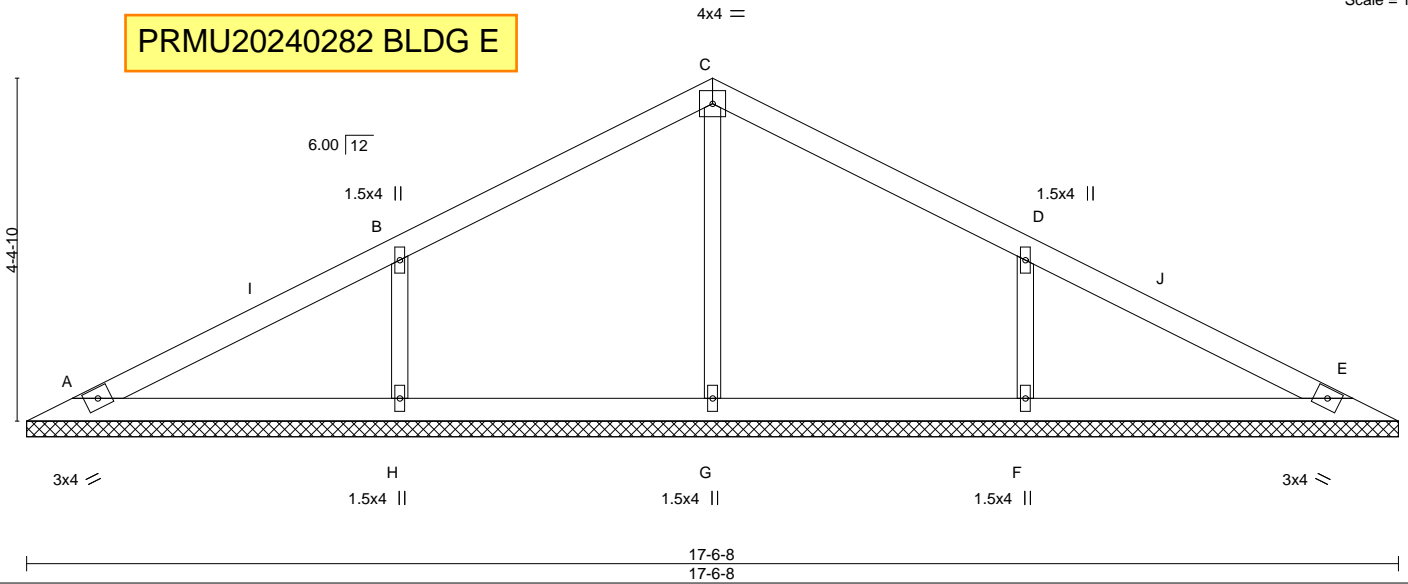
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17-6-8

8-9-4

Scale = 1:29.5

PRMU20240282 BLDG E



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.34 BC 0.12 WB 0.10 Matrix-S	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 E n/a n/a	MT20	197/144
TCDL 12.0 BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IBC2018/TPI2014			Weight: 47 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 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=1.0; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, 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.



May 22, 2023

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

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

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job N0653	Truss VH4	Truss Type Valley	Qty 22	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488970
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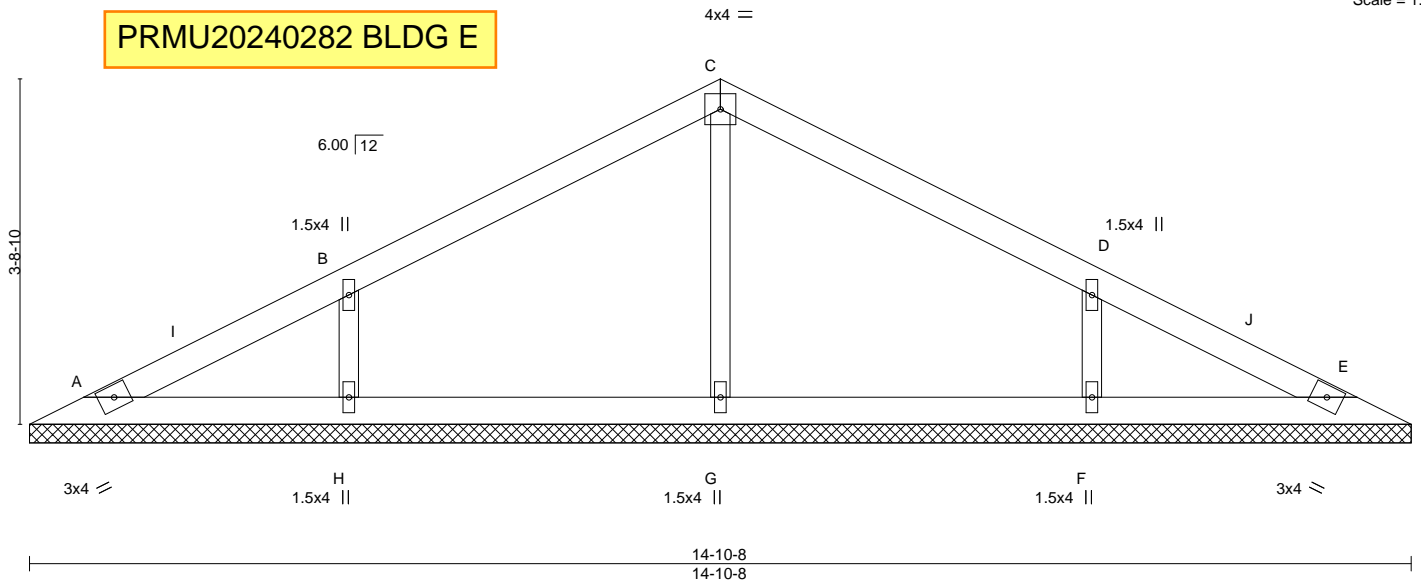
Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:15 2023 Page 1
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14-10-8
7-5-4

Scale = 1:24.8

PRMU20240282 BLDG E



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.28	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.10	Vert(LL) n/a - n/a 999		
TCDL 12.0	Lumber DOL 1.15	WB 0.08	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 E n/a n/a		
BCDL 10.0	Code IBC2018/TPI2014			Weight: 39 lb	FT = 20%

LUMBER-

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=1.0; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, H, F.
- 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



May 22, 2023

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

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

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

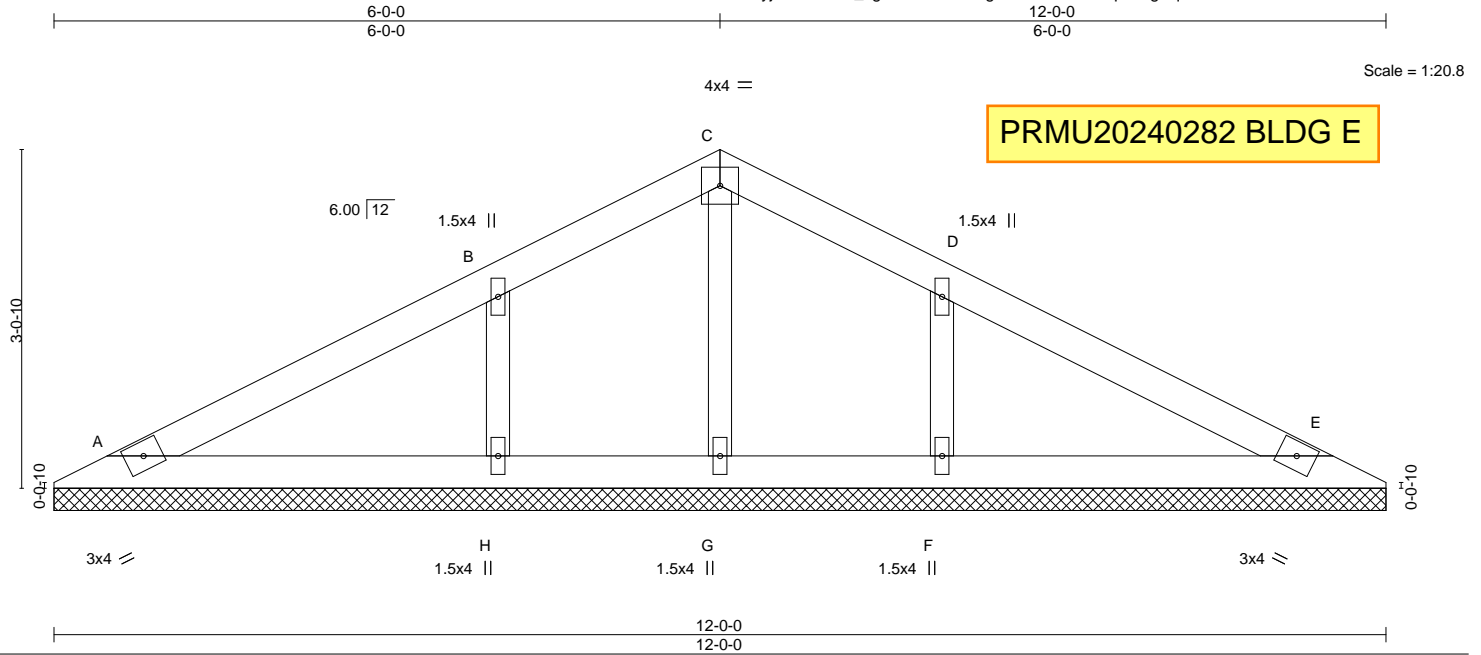
Job N0653	Truss VH5	Truss Type GABLE	Qty 22	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488971
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:16 2023 Page 1

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PRMU20240282 BLDG E



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.23	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.08	Vert(LL) n/a - n/a 999		
TCDL 12.0	Lumber DOL 1.15	WB 0.07	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 E n/a n/a		
BCDL 10.0	Code IBC2018/TPI2014			Weight: 32 lb	FT = 20%

LUMBER-

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=1.0; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, 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.



May 22, 2023

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



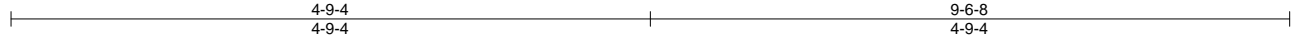
240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488972
N0653	VH6	Valley	22	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:17 2023 Page 1

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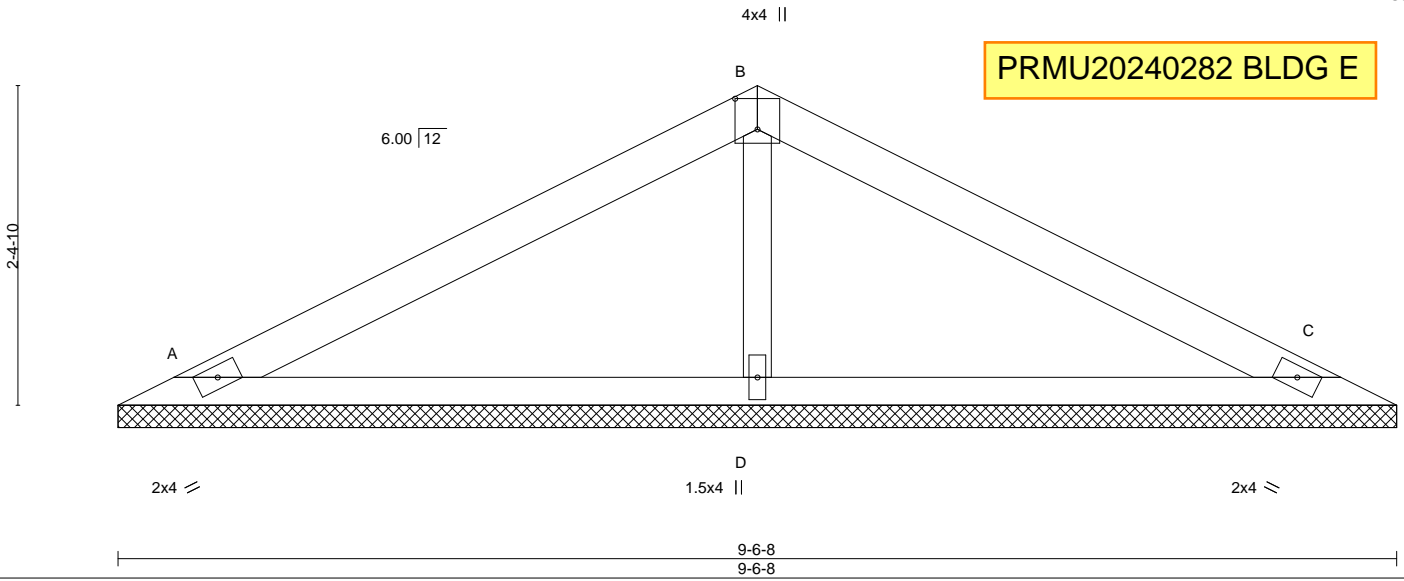


Plate Offsets (X,Y)-- [B:0-2-12,0-2-0]

LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	n/a	-	n/a	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.



May 22, 2023

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

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

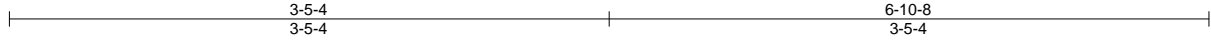


240 Stirling Crescent
Bradford, ON. L3Z 4L5

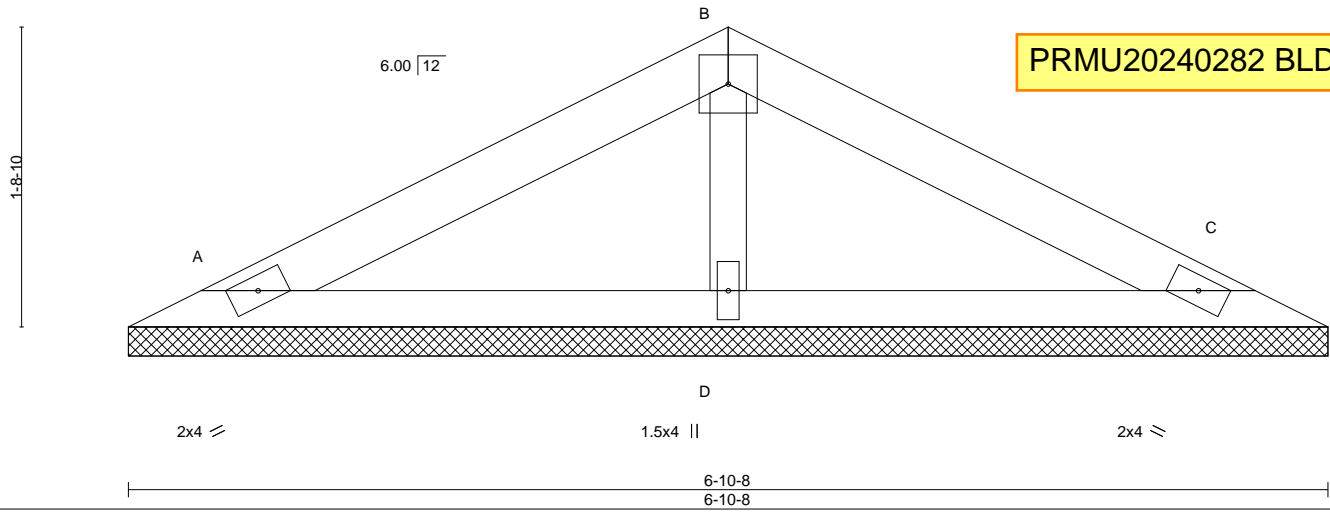
Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488973
N0653	VH7	Valley	22	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:18 2023 Page 1
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Scale = 1:13.2



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.22	Vert(LL)	n/a	-	n/a	MT20	197/144
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.14	Vert(CT)	n/a	-	n/a		
TCDL 12.0	Lumber DOL 1.15	WB 0.04	Horz(CT)	0.00	C	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P					Weight: 14 lb	FT = 20%
BCDL 10.0	Code IBC2018/TPI2014							

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.



May 22, 2023

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



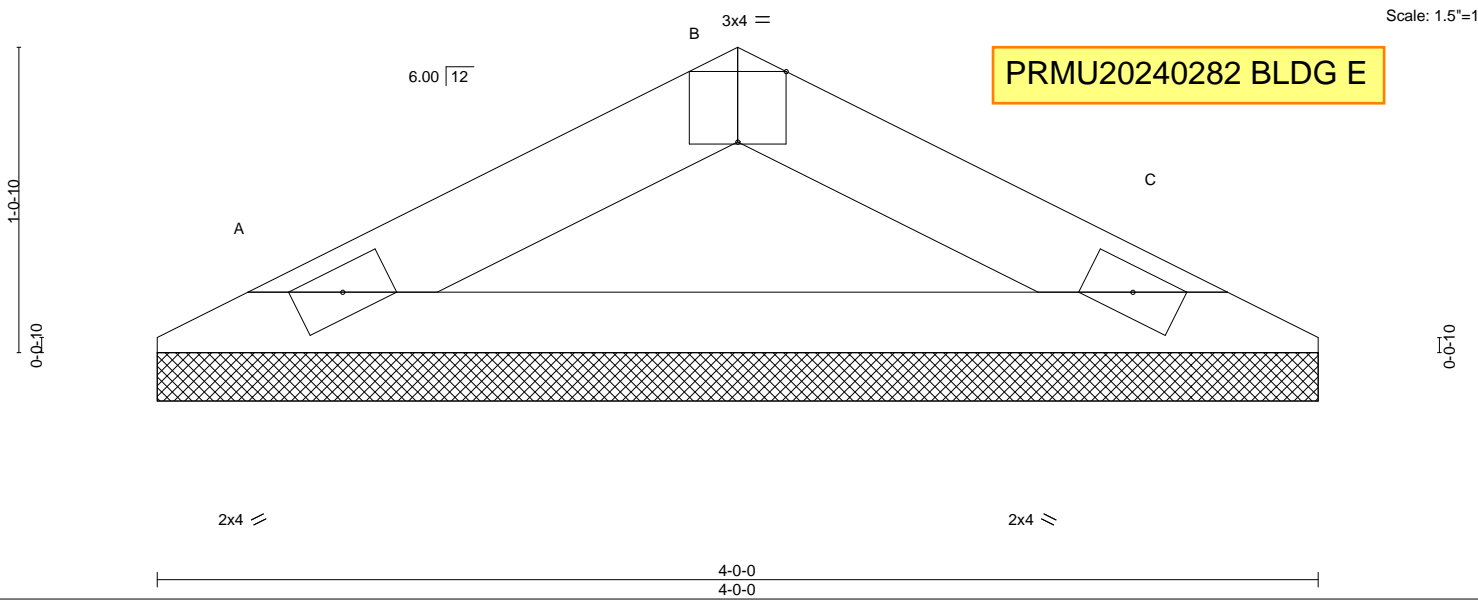
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job N0653	Truss VH8	Truss Type Valley	Qty 22	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488974
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:19 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrcDdoi7J4zJC?f



PRMU20240282 BLDG E

Scale: 1.5"=1'

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

LOADING (psf)		SPACING-		CSI.		DEFL.				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									
BCDL	10.0										Weight: 8 lb	FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 4-2-8 oc purlins.
BOT CHORD	2x3 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) A=4-0-0, C=4-0-0
 Max Horz A=-10(LC 15)
 Max Uplift A=-12(LC 10), C=-12(LC 11)
 Max Grav A=159(LC 16), C=159(LC 17)

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

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



May 22, 2023

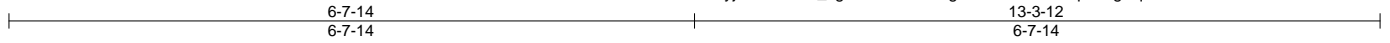
Job N0653	Truss VR1	Truss Type Valley	Qty 1	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488975
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

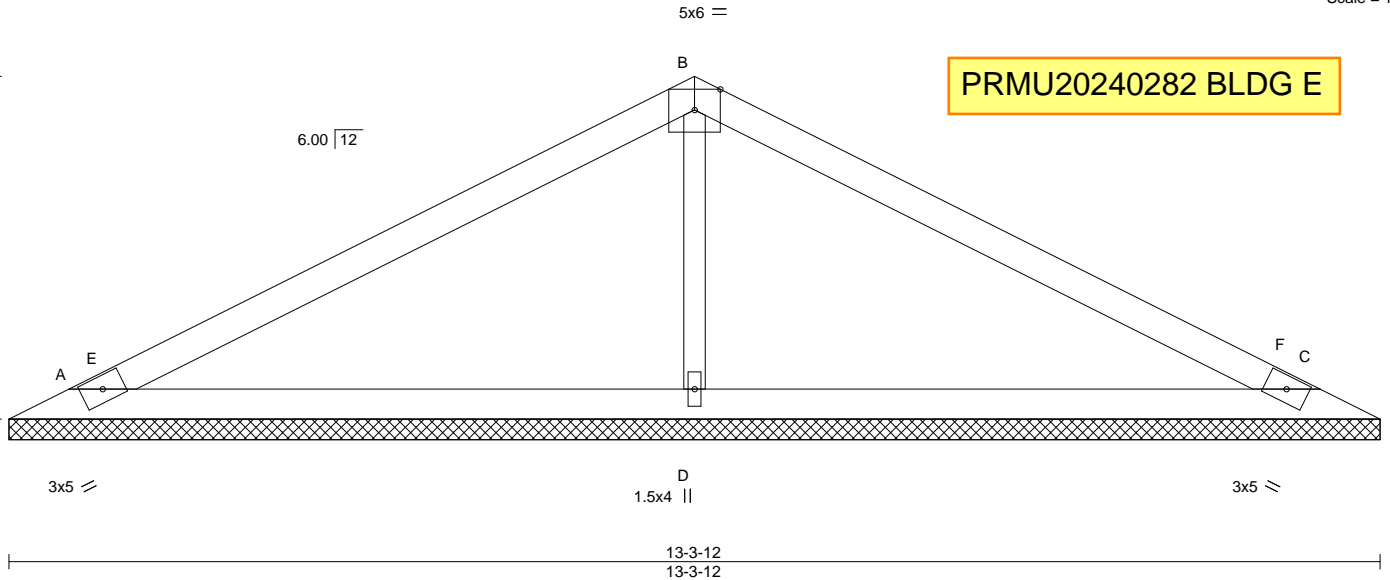
8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:20 2023 Page 1

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Job Reference (optional)



Scale = 1:22.4



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

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 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=1.0; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C, D.
- 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



May 22, 2023

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

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



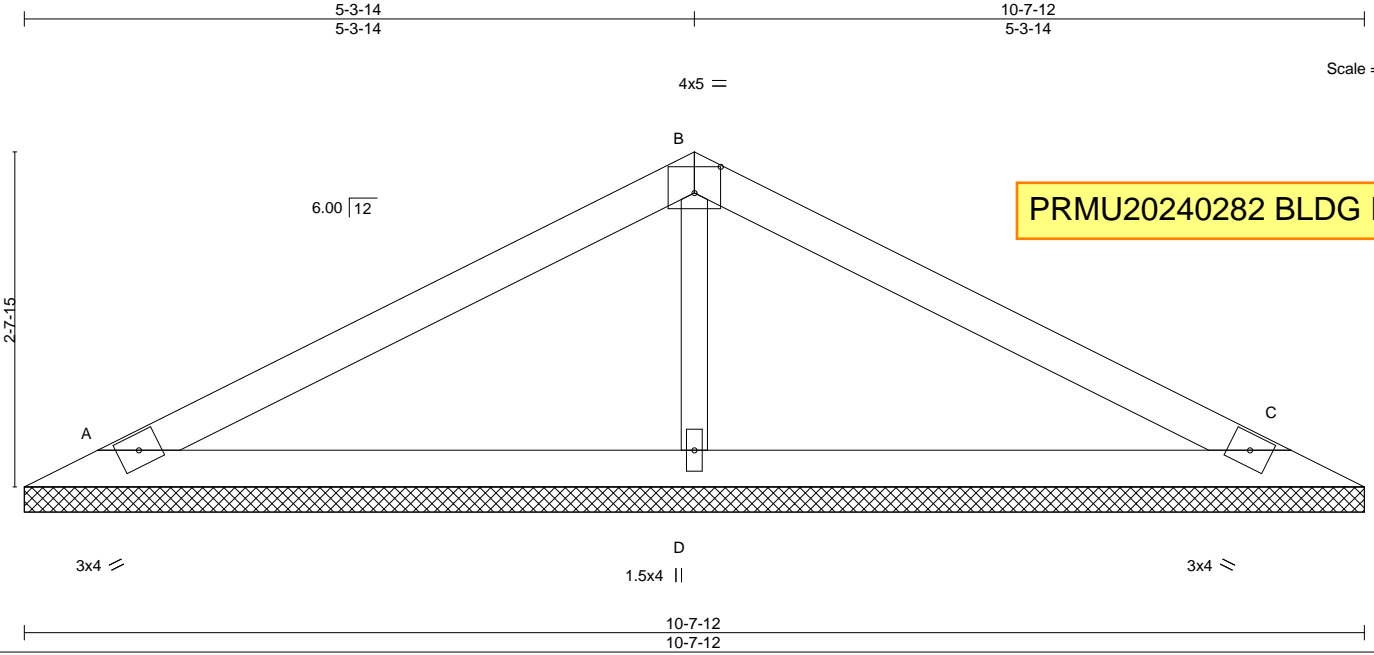
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488976
N0653	VR2	Valley	1	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:21 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



PRMU20240282 BLDG E

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

LOADING (psf)		SPACING-		CSI.		DEFL.				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.



May 22, 2023

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

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

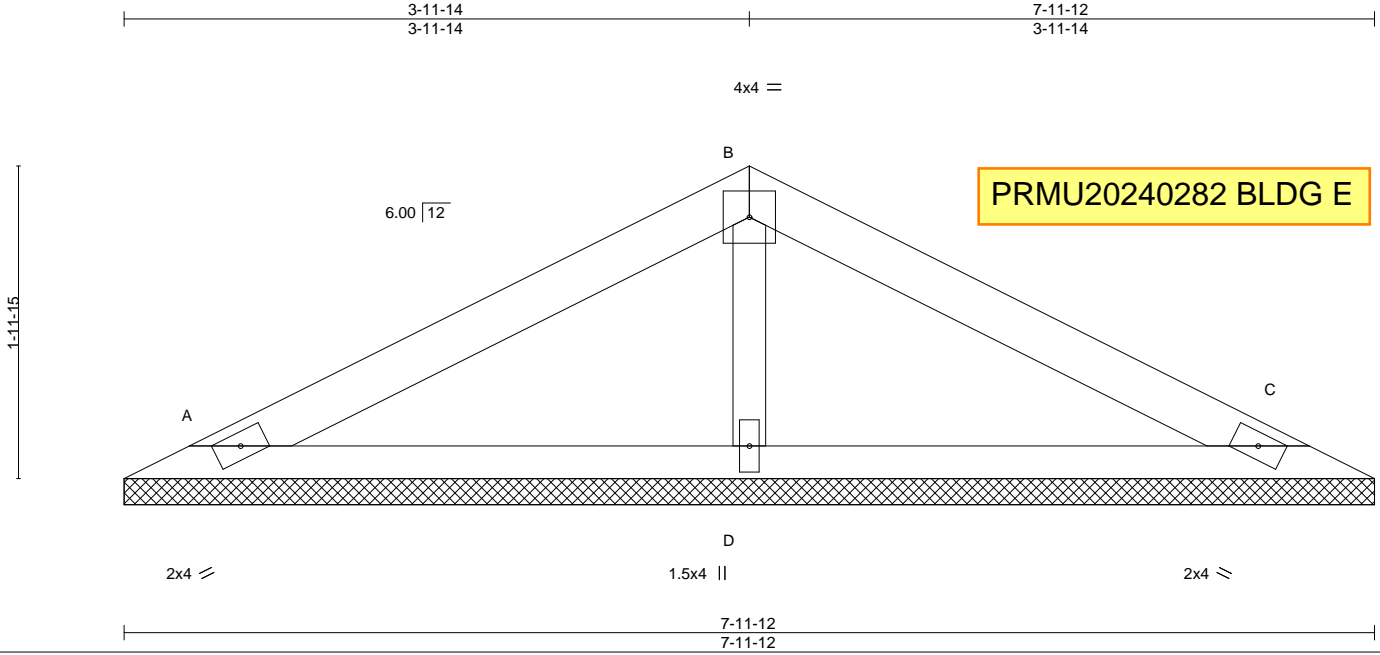


240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job N0653	Truss VR3	Truss Type Valley	Qty 1	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488977
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:23 2023 Page 1
ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:14.7

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.33 BC 0.20 WB 0.04 Matrix-P	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 C n/a n/a	MT20	197/144
TCDL 12.0 BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IBC2018/TPI2014			Weight: 17 lb	FT = 20%

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

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

REACTIONS. (size) A=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.



May 22, 2023

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488978
N0653	VR4	Valley	1	1	Job Reference (optional)	

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

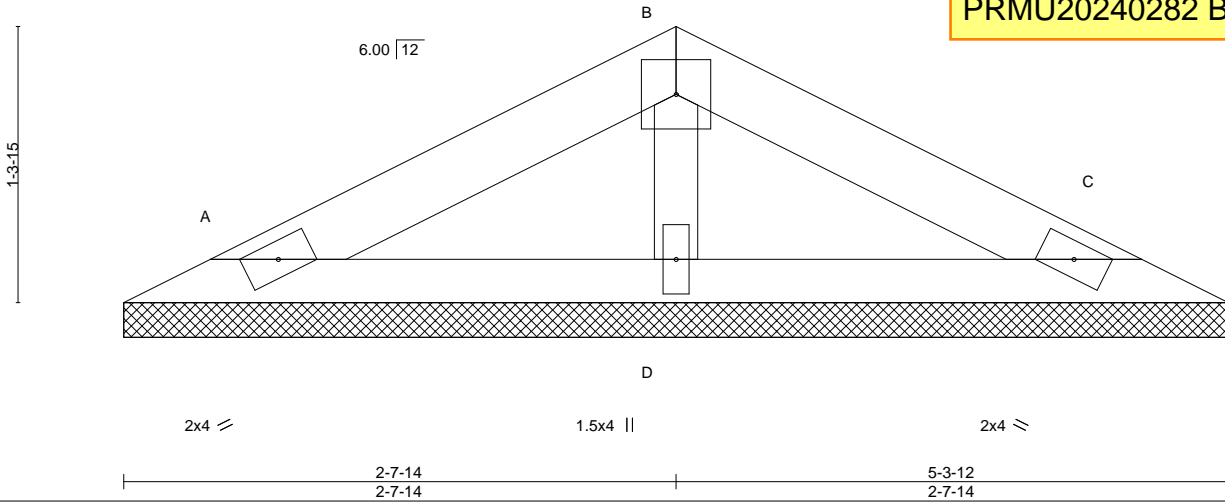
8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:24 2023 Page 1

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Scale = 1:11.1

PRMU20240282 BLDG E



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	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.08	Vert(CT)	n/a	-	n/a		
TCDL 12.0	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.00	C	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.



May 22, 2023

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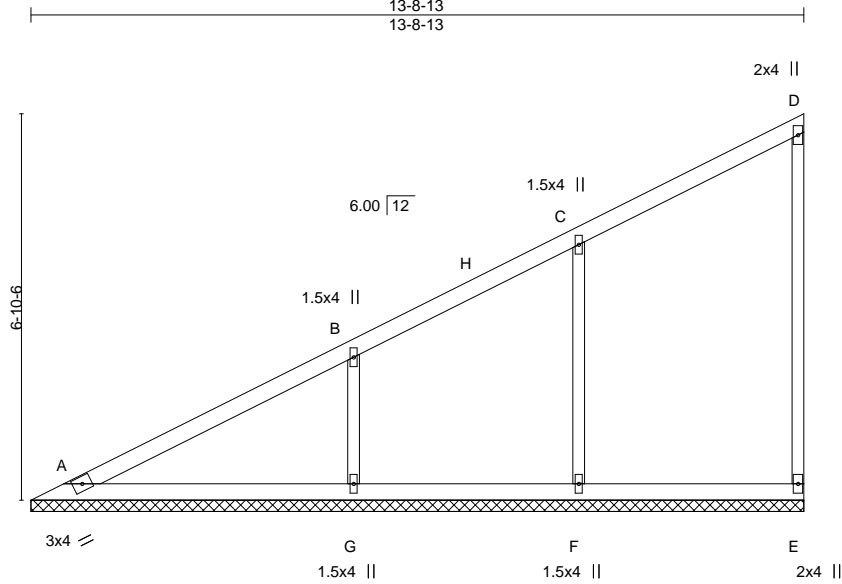
240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	VU1	Valley	20	1	U1488979

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:25 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKwRCDoi7J4zJC?f



Scale = 1:40.9

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 0.34	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							
BCDL 10.0									Weight: 43 lb	FT = 20%

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.

PRMU20240282 BLDG E



May 22, 2023

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

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



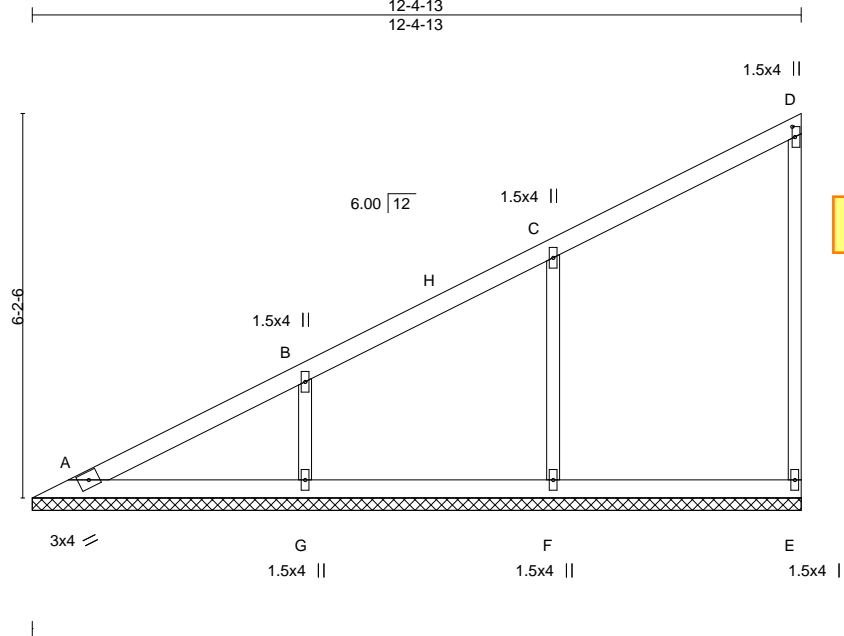
240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	VU2	Valley	20	1	U1488980

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:26 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKwRCDoi7J4zJC?f



PRMU20240282 BLDG E

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.30	in (loc) l/defl L/d	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.14	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.18	Vert(CT) n/a - n/a 999		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-S	Horz(CT) -0.00 E n/a n/a	Weight: 38 lb	FT = 20%

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.



May 22, 2023

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



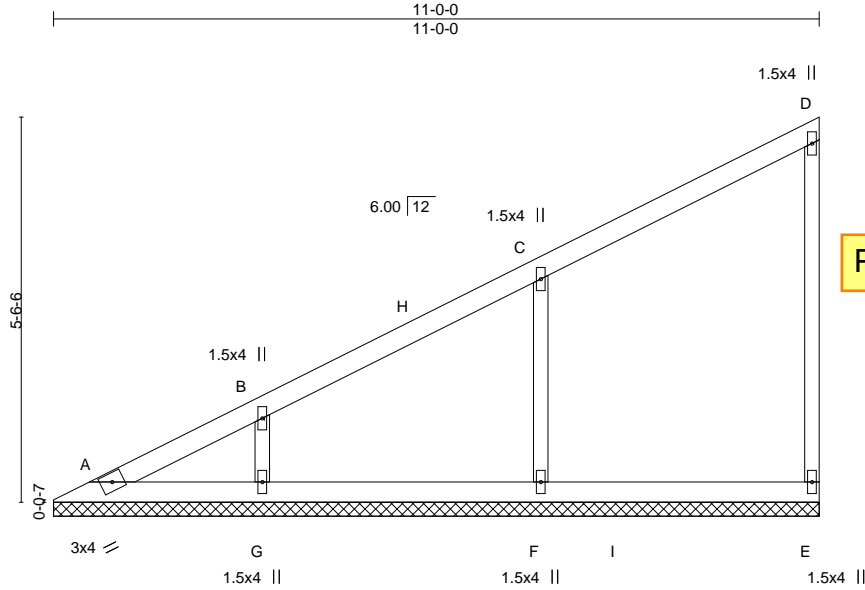
240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	VU3	Valley	20	1	U1488981

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:27 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:33.1

PRMU20240282 BLDG E

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	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.14	Vert(CT)	n/a	-	n/a		
TCDL 12.0	Rep Stress Incr	YES	WB 0.14	Horz(CT)	-0.00	E	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.



May 22, 2023

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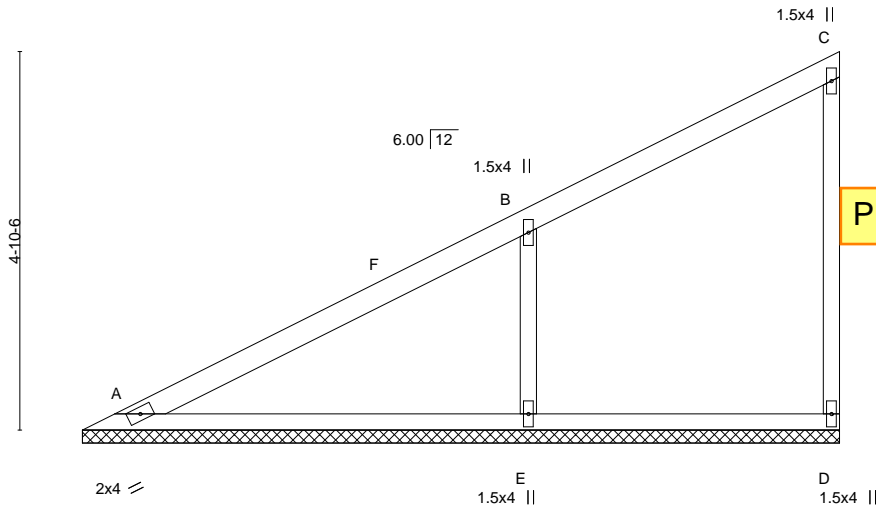
Job N0653	Truss VU4	Truss Type Valley	Qty 20	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488982
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:28 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

9-8-13
9-8-13



Scale = 1:29.6

PRMU20240282 BLDG E

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

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.



May 22, 2023

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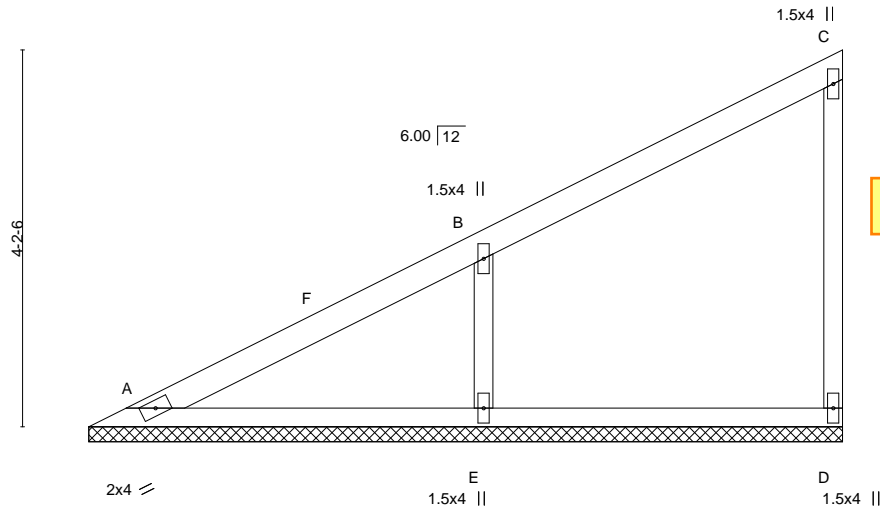
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488983
N0653	VU5	Valley	20	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:29 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFgC-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f
8-4-13
8-4-13



PRMU20240282 BLDG E

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

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.



May 22, 2023

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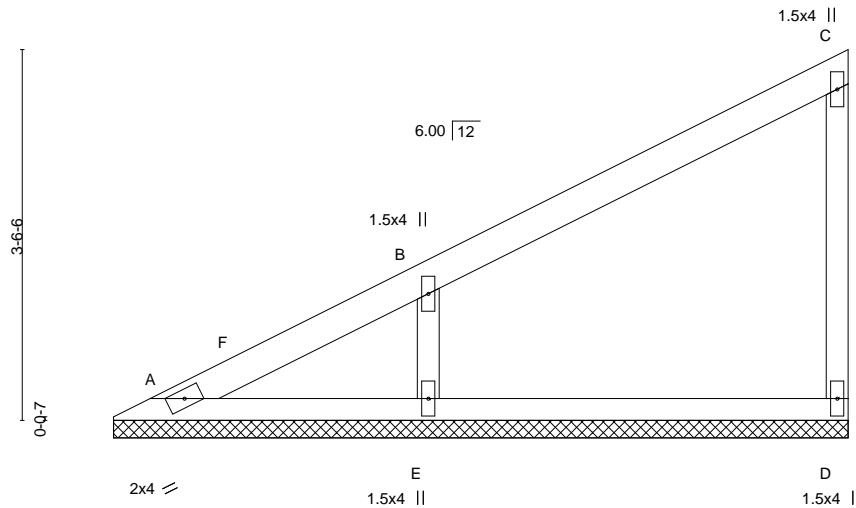
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	VU6	Valley	20	1	U1488984

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:30 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f
7-0-0
7-0-0



Scale = 1:22.0

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 0.30	Vert(LL)	n/a	-	n/a	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.21	Vert(CT)	n/a	-	n/a		
TCDL 12.0	Rep Stress Incr	YES	WB 0.08	Horz(CT)	-0.00	D	n/a		
BCLL 0.0 *	Code IBC2018/TPI2014		Matrix-P					Weight: 17 lb	FT = 20%
BCDL 10.0									

LUMBER-

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.



May 22, 2023

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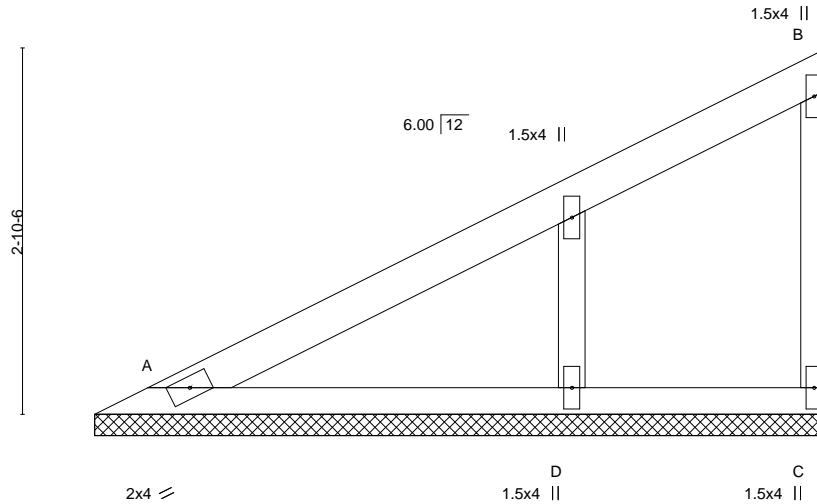
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488985
N0653	VU7	GABLE	20	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:31 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzF1gc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f
5-8-13
5-8-13



Scale = 1:18.0

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

LUMBER-

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.

PRMU20240282 BLDG E



May 22, 2023

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



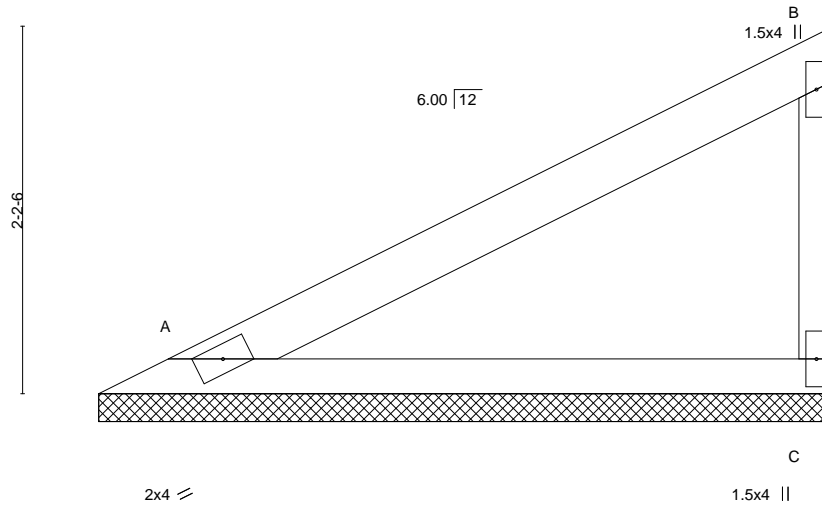
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488986
N0653	VU8	Valley	20	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:32 2023 Page 1

ID:hFyjDMxRTsEK_kgkR0vWWVzFgC-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f
4-4-13
4-4-13



Scale = 1:13.8

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 0.40	Vert(LL)	n/a	-	n/a	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.29	Vert(CT)	n/a	-	n/a		
TCDL 12.0	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	C	n/a		
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)

PRMU20240282 BLDG E

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.



May 22, 2023

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



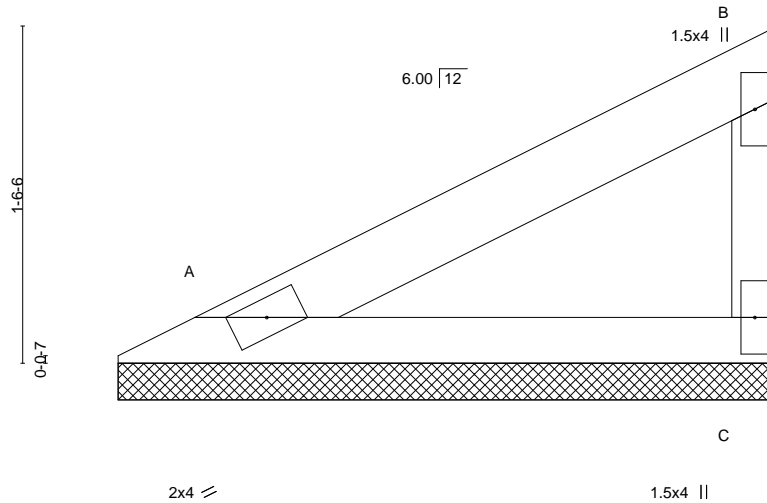
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job N0653	Truss VU9	Truss Type Valley	Qty 20	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488987
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:33 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f
3-0-0
3-0-0



Scale = 1:10.5

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	MT20	197/144
(Roof Snow=25.0)	Lumber DOL	1.15	BC 0.11	Vert(CT)	n/a	-	n/a		
TCDL 12.0	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	C	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.

PRMU20240282 BLDG E

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.



May 22, 2023

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

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



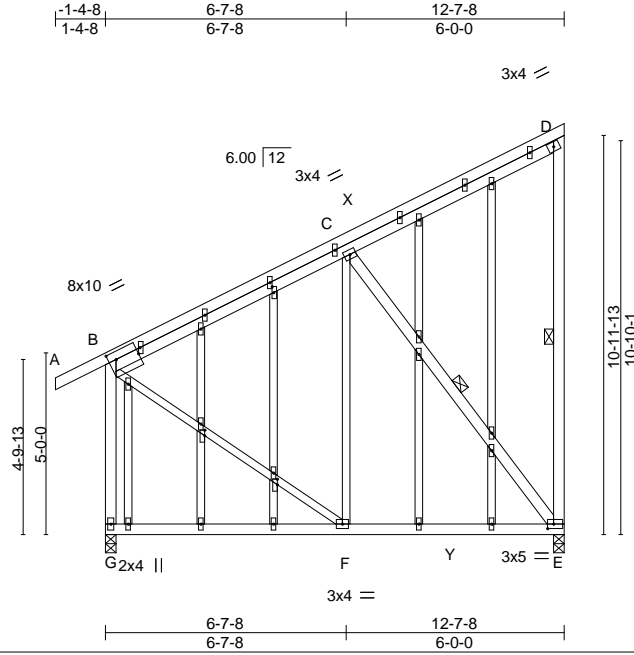
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	W1	GABLE	10	1	U1488988

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:34 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKwRCDoi7J4zJC?f



Scale: 3/16"=1'

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

LUMBER-

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)

PRMU20240282 BLDG E

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.



May 22, 2023

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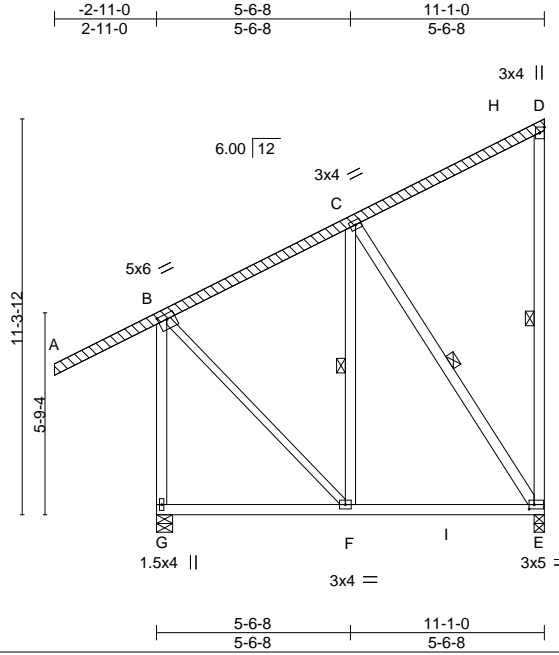
240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA
N0653	W2	Monopitch	20	1	U1488989

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:36 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:65.9

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-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.63	Vert(LL)	-0.04	E-F	>999	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.29	Vert(CT)	-0.06	E-F	>999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.18	Horz(CT)	-0.00	E	n/a		n/a
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS	Wind(LL)	-0.03	E-F	>999		240
							Weight: 93 lb	FT = 20%

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)

PRMU20240282 BLDG E

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-**
- Attached 15-9-9 scab A to D, front face(s) 2x4 SPF No.2 with 1 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 2-5-1 from end at joint A, nail 1 row(s) at 4" o.c. for 2-0-0; starting at 8-5-8 from end at joint A, nail 1 row(s) at 7" o.c. for 2-0-0; starting at 13-5-14 from end at joint A, nail 1 row(s) at 7" o.c. for 2-0-0.
 - Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TC DL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 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.
 - This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



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

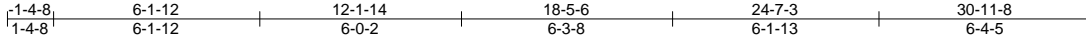


240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job N0653	Truss X1	Truss Type GABLE	Qty 8	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488990
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:39 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFgC-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7JzJC?f



Scale = 1:68.7

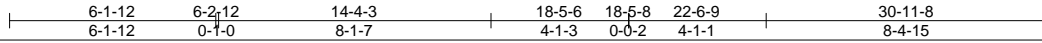
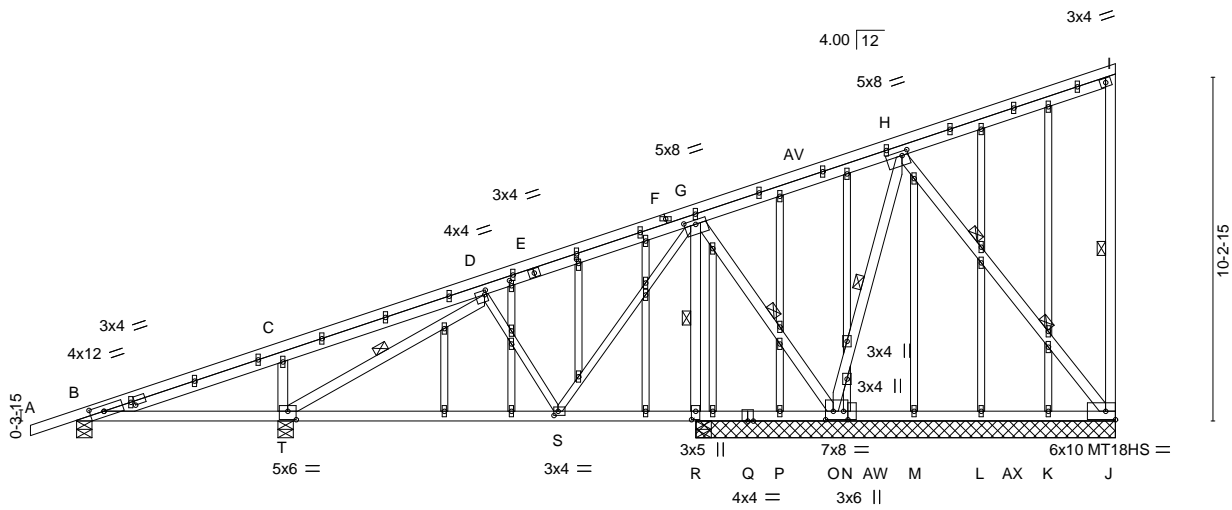


Plate Offsets (X,Y)-- [B:0-5-0,0-2-0], [B:0-11-7,0-1-8], [D:0-0-12,0-1-8], [G:0-4-0,0-1-8], [H:0-2-4,0-1-8], [N:0-3-0,0-1-9], [O:0-2-12,0-3-0], [R:0-3-0,0-1-8], [S:0-1-8,0-1-8], [T:0-3-0,0-3-0], [AM:0-1-7,0-0-12], [AO:0-1-14,0-0-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.81	Vert(LL) -0.10	S-T	>999	360	MT20	197/144
TCDL 12.0	Plate Grip DOL 1.15	BC 0.85	Vert(CT) -0.19	S-T	>793	240	MT18HS	197/144
BCLL 0.0 *	Lumber DOL 1.15	WB 0.98	Horz(CT) -0.11	K	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Wind(LL) 0.07	T-AU	>999	240		
	Code IBC2018/TPI2014						Weight: 221 lb	FT = 20%

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)

PRMU20240282 BLDG E

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.



May 22, 2023

Continued on page 2

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

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

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488990
N0653	X1	GABLE	8	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:40 2023 Page 2
 ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

- NOTES-**
- 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 13) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 18-5-8 to 30-11-8 for 594.4 plf.
 - 14) No notches allowed in overhang and 10408 from left end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

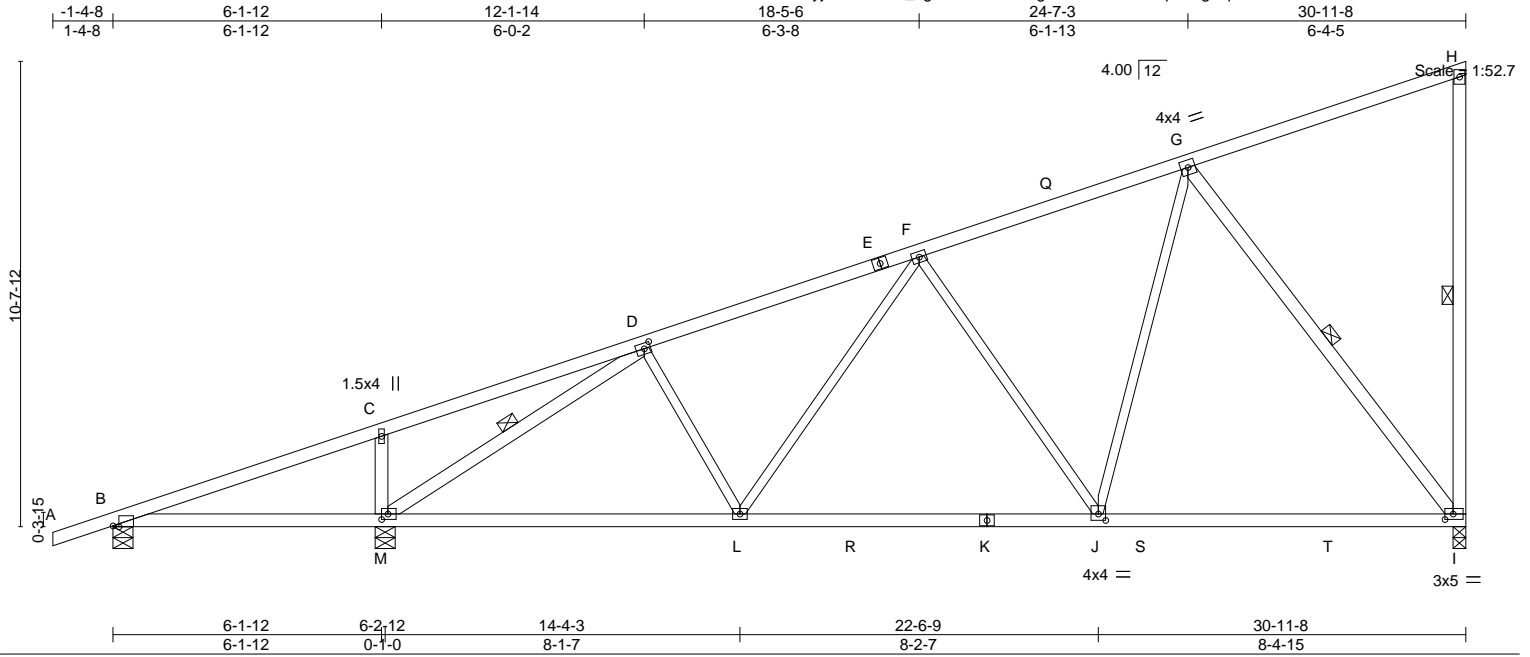
PRMU20240282 BLDG E

Job N0653	Truss X2	Truss Type Monopitch	Qty 32	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488991
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:41 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



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

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

PRMU20240282 BLDG E

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.



May 22, 2023

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

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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job N0653	Truss X3	Truss Type Roof Special	Qty 56	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1488992
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:42 2023 Page 1
 ID:hFyjDMxrTsEK_kgkR0vWWVzF1gc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?F

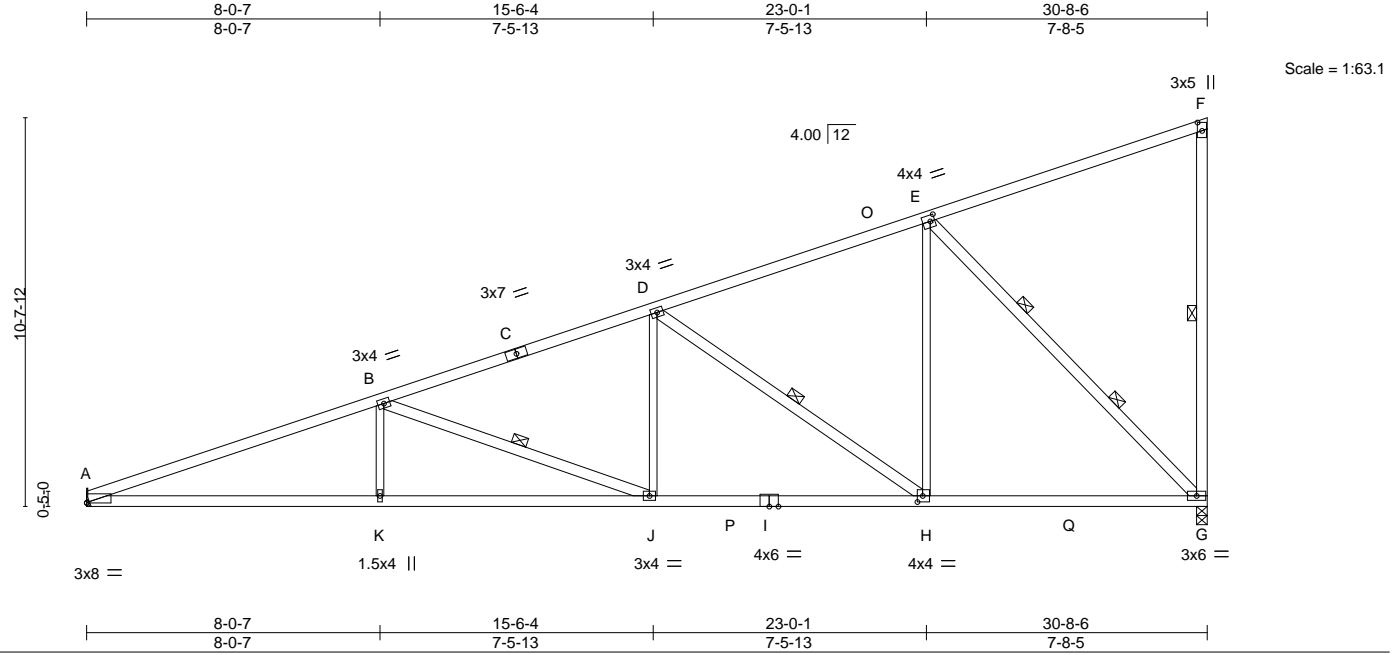


Plate Offsets (X,Y)-- [A:0-0-0,0-0-2], [E:0-1-8,0-2-0], [F:0-2-12,0-1-8], [H:0-1-12,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.99	in (loc) l/defl L/d	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.92	Vert(LL) -0.22 J-K >999 360		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.76	Vert(CT) -0.40 J-K >924 240		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS	Horz(CT) 0.11 G n/a n/a		
			Wind(LL) 0.10 K-N >999 240	Weight: 127 lb	FT = 20%

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

REACTIONS. (size) G=0-3-8, A=Mechanical
 Max Horz A=338(LC 9)
 Max Uplift G=-207(LC 10), A=-156(LC 6)
 Max Grav G=1753(LC 3), A=1524(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=-3682/372, B-D=-2548/265, D-E=-1444/167, F-G=-367/63
 BOT CHORD A-K=-451/3429, J-K=-451/3429, H-J=-273/2347, G-H=-118/1309
 WEBS B-K=0/317, B-J=-1155/190, D-J=0/652, D-H=-1291/206, E-H=-48/1084, E-G=-1856/257

PRMU20240282 BLDG E

- 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.



May 22, 2023

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601</p>	 240 Stirling Crescent Bradford, ON. L3Z 4L5
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Job N0653	Truss X4	Truss Type Monopitch	Qty 48	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488993
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:44 2023 Page 1
 ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7JzJC?F

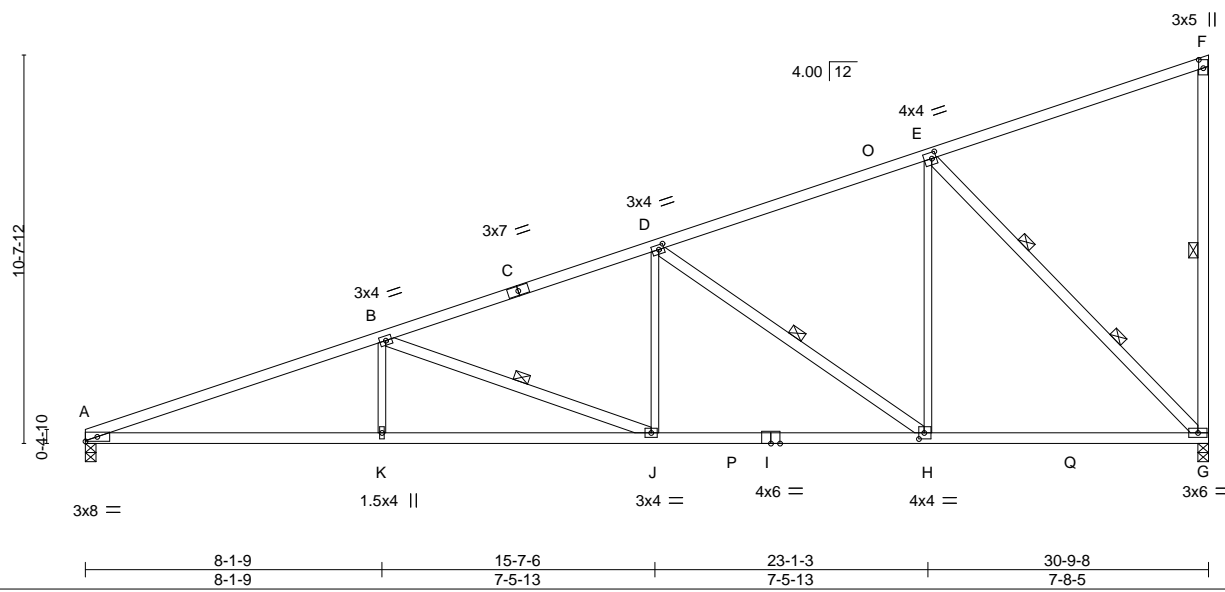


Plate Offsets (X,Y)-- [D:0-1-12,0-1-8], [E:0-1-8,0-2-0], [F:0-2-12,0-1-8], [H:0-1-12,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2018/TPI2014	TC 0.72 BC 0.93 WB 0.76 Matrix-MS	in (loc) l/defl L/d Vert(LL) -0.21 J-K >999 360 Vert(CT) -0.37 J-K >988 240 Horz(CT) 0.11 G n/a n/a Wind(LL) 0.10 K-N >999 240	MT20	197/144
TCDL 12.0				Weight: 127 lb	FT = 20%
BCLL 0.0 *					
BCDL 10.0					

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

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

PRMU20240282 BLDG E

- 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.



May 22, 2023

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488994
N0653	X5	GABLE	8	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:49 2023 Page 2
 ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 11) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 21-6-8 for 343.1 plf.
- 12) No notches allowed in overhang and 0 from left end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

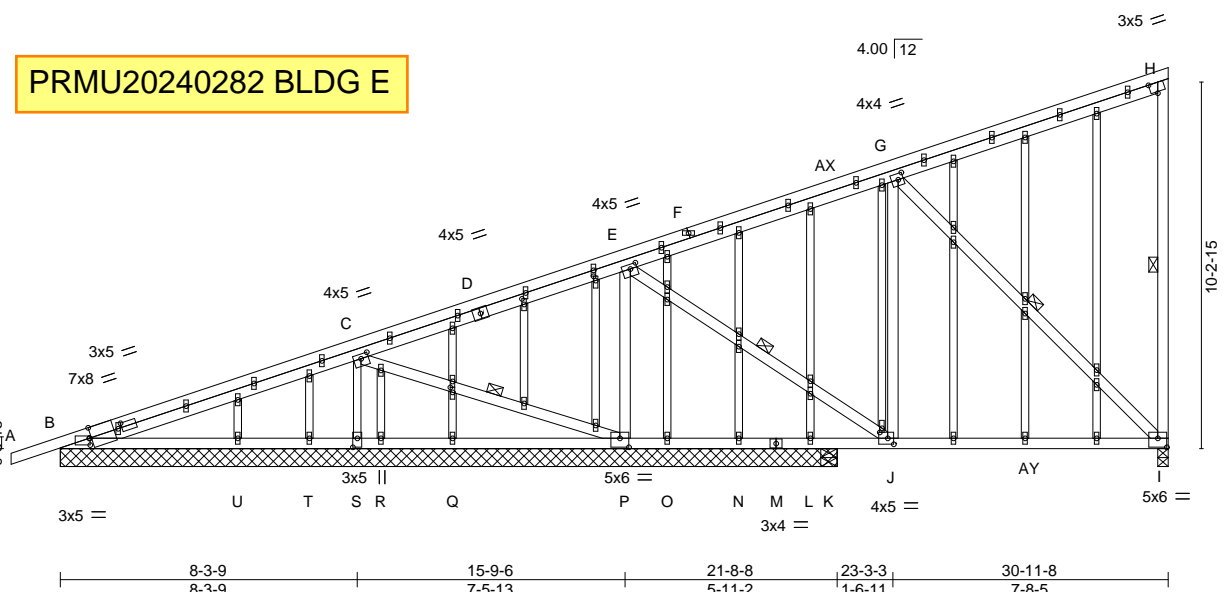
PRMU20240282 BLDG E

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



Job N0653	Truss Y1	Truss Type GABLE	Qty 12	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488995
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:54 2023 Page 1
 ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWRcDoi7J4zJC?f



Scale: 3/16"=1'

PRMU20240282 BLDG E

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-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.98	in (loc) l/defl L/d	MT20	197/144
TCDL 12.0	Plate Grip DOL 1.15	BC 0.72	Vert(LL) -0.13 I-J >841 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.98	Vert(CT) -0.23 I-J >487 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) -0.03 I n/a n/a		
	Code IBC2018/TPI2014		Wind(LL) -0.05 I-J >999 240	Weight: 218 lb	FT = 20%

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

REACTIONS. All bearings 21-8-8 except (jt=length) I=0-3-8, K=0-5-8.
 (lb) - Max Horz B=805(LC 35)
 Max Uplift All uplift 100 lb or less at joint(s) L, O, R, U except I=905(LC 41), B=1107(LC 32), S=1564(LC 40), P=1031(LC 32), T=119(LC 1), K=218(LC 19)
 Max Grav All reactions 250 lb or less at joint(s) L, N, Q, R, T, K except I=1537(LC 28), B=1202(LC 29), S=1662(LC 29), P=1764(LC 29), U=355(LC 26), B=492(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-3338/3068, C-E=-3380/3168, E-G=-3278/3005, G-H=-2062/1943, H-I=-369/63
 BOT CHORD B-U=-2446/2358, T-U=-1359/1255, S-T=-658/570, R-S=-253/165, Q-R=-920/818, P-Q=-2571/2469, O-P=-936/815, N-O=-1621/1499, L-N=-2306/2184, K-L=-2475/2362, J-K=-2484/2362, I-J=-887/1139
 WEBS C-S=-1590/1578, C-P=-2166/2183, E-P=-2102/1747, E-J=-1871/2083, G-J=-1034/1156, G-I=-1582/1255

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 6) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 7) Gable studs spaced at 2-0-0 oc.
 - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) L, O, R, U except



May 22, 2023

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

Job N0653	Truss Y1	Truss Type GABLE	Qty 12	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488995
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:54 2023 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

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.

PRMU20240282 BLDG E

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

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

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

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



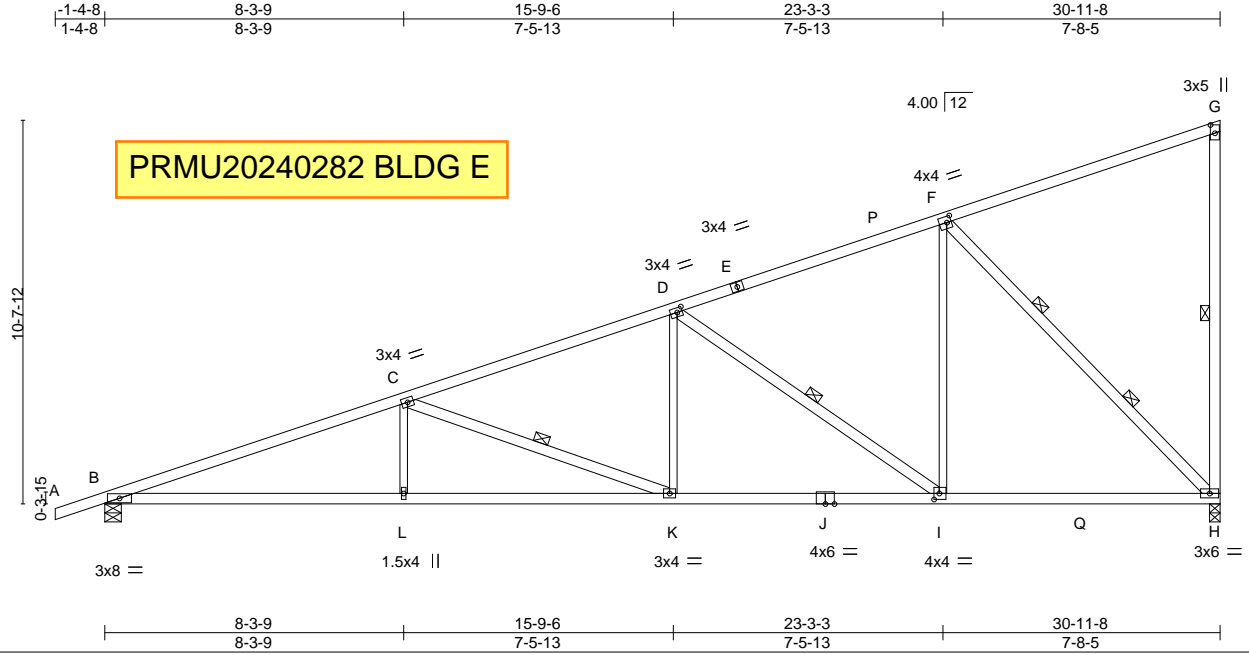
240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job N0653	Truss Y2	Truss Type Monopitch	Qty 66	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488996
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6,

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:56 2023 Page 1

ID:hFyjDMxrTsEK_kgkR0vWWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?F



PRMU20240282 BLDG E

Plate Offsets (X,Y)--	[D:0-1-12,0-1-8], [F:0-1-8,0-2-0], [G:0-2-12,0-1-8], [I:0-1-12,0-2-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	Plate Grip DOL 1.15		TC 0.73	Vert(LL) -0.23	L-O	>999	360	MT20	197/144
TCDL 12.0	Lumber DOL 1.15		BC 0.93	Vert(CT) -0.43	L-O	>856	240		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.77	Horz(CT) 0.11	H	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014		Matrix-MS	Wind(LL) 0.12	L-O	>999	240	Weight: 129 lb	FT = 20%

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

REACTIONS.	(size)	H=0-3-8, B=0-5-8
Max Horz	B=347(LC 9)	
Max Uplift	H=-208(LC 10), B=-202(LC 6)	
Max Grav	H=1777(LC 3), B=1627(LC 3)	


FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	B-C=-3800/374, C-D=-2591/266, D-F=-1467/167, G-H=-370/63
BOT CHORD	B-L=-459/3563, K-L=-459/3563, I-K=-275/2385, H-I=-118/1331
WEBS	C-L=0/339, C-K=-1257/197, D-K=0/679, D-I=-1308/206, F-I=-48/1095, F-H=-1888/258

- 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 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=208, B=202.
 - 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



May 22, 2023

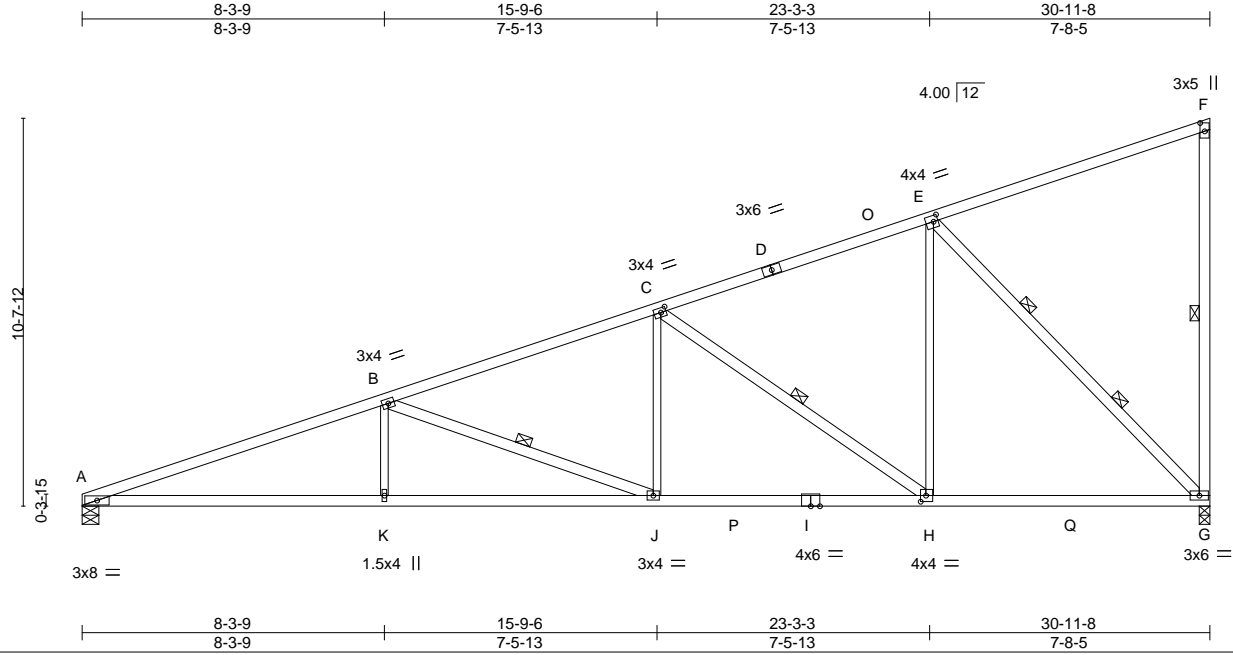
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 6/30/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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



240 Stirling Crescent
Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488997
N0653	Y3	MONOPITCH	6	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:57 2023 Page 1
 ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?F



Scale = 1:63.3

Plate Offsets (X,Y)-- [C: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-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.72	Vert(LL)	-0.24	K-N	>999	360	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.93	Vert(CT)	-0.45	K-N	>828	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.77	Horz(CT)	0.11	G	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS	Wind(LL)	0.13	K-N	>999	240		
								Weight: 127 lb	FT = 20%

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,C-J,E-H: 2x3 SPF No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-1-2 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, C-H
 2 Rows at 1/3 pts E-G

REACTIONS.

(size) G=0-3-8, A=0-5-8
 Max Horz A=339(LC 9)
 Max Uplift G=-209(LC 10), A=-158(LC 6)
 Max Grav G=1769(LC 3), A=1537(LC 3)

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

TOP CHORD A-B=-3811/386, B-C=-2587/269, C-E=-1459/168, F-G=-367/63
 BOT CHORD A-K=-466/3574, J-K=-466/3574, H-J=-276/2380, G-H=-118/1324
 WEBS B-K=0/342, B-J=-1275/203, C-J=0/683, C-H=-1311/208, E-H=-50/1098, E-G=-1879/259

PRMU20240282 BLDG E

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=209, A=158.
- 7) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



May 22, 2023

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488998
N0653	Y4	Monopitch	30	1		

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:47:58 2023 Page 1
 ID:hFyjDMxrTsEK_kgkR0vWVzFfgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

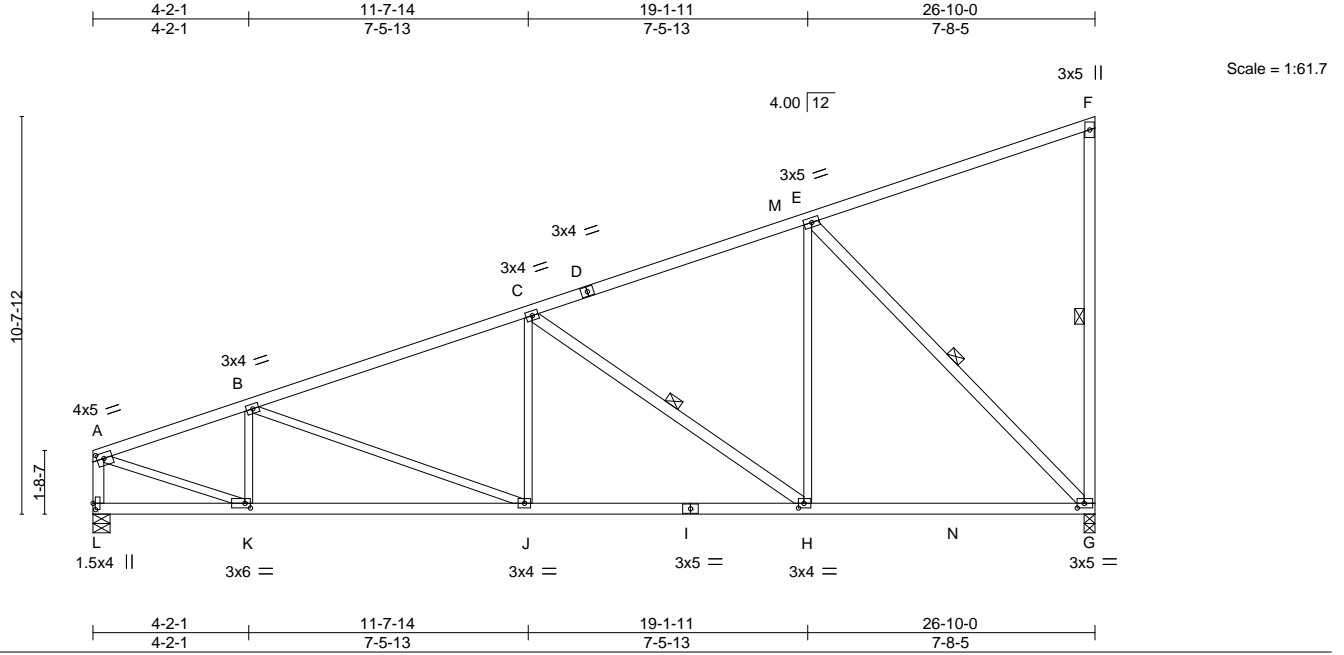


Plate Offsets (X,Y)-- [A:0-2-4,0-1-12], [G:0-2-4,0-1-8], [H:0-1-12,0-1-8], [K:0-1-12,0-1-8], [L:0-2-0,0-0-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.70 BC 0.79 WB 0.83 Matrix-MS	Vert(LL) -0.16 Vert(CT) -0.26 Horz(CT) 0.06 Wind(LL) 0.05	G-H G-H G G-H	>999 >999 n/a >999	360 240 n/a 240	MT20	197/144
TCDL 12.0	Rep Stress Incr YES Code IBC2018/TPI2014						Weight: 120 lb	FT = 20%
BCLL 0.0 *								
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)

PRMU20240282 BLDG E

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.



May 22, 2023

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

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Job N0653	Truss Y5	Truss Type GABLE	Qty 6	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1488999
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:48:02 2023 Page 1
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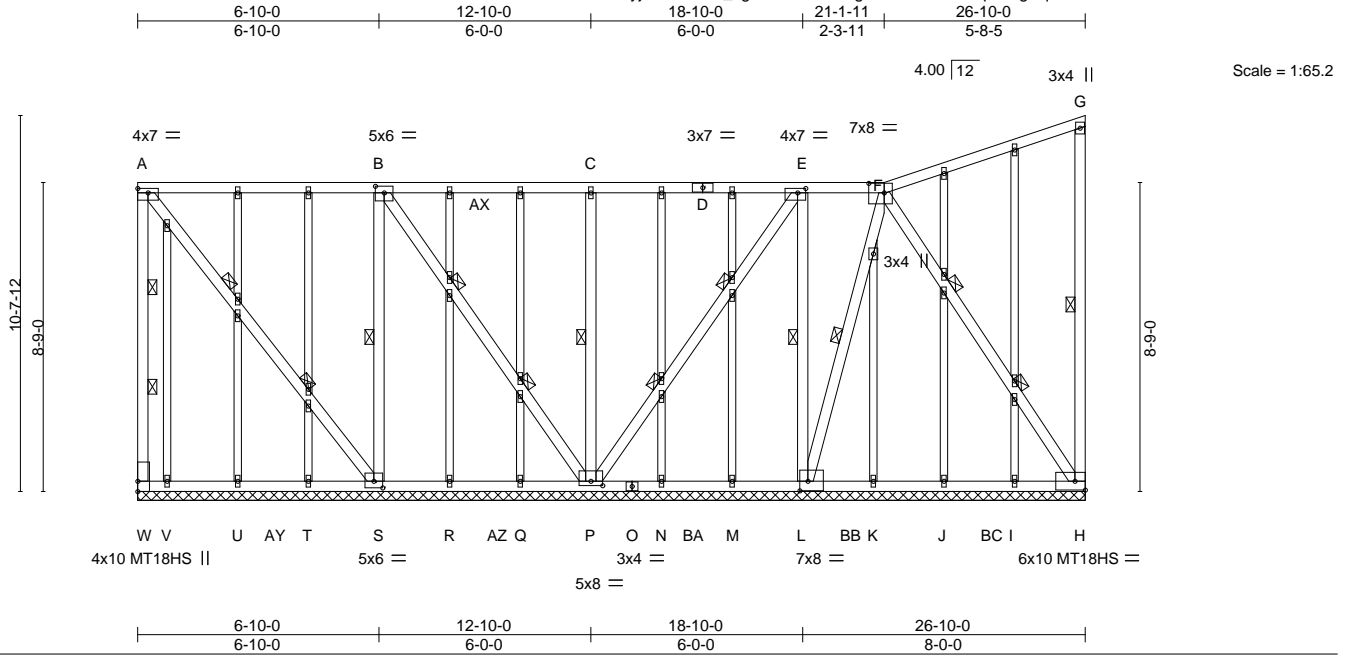


Plate Offsets (X,Y)-- [A:Edge,0-1-8], [B:0-3-0,0-2-4], [E:0-2-12,0-1-8], [F:0-5-4,0-3-4], [L:0-2-12,0-3-4], [P:0-4-0,0-1-8], [S:0-3-0,0-2-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.88	in (loc) l/defl L/d	MT20	197/144
TCDL 12.0	Plate Grip DOL 1.15	BC 0.33	Vert(LL) n/a - n/a 999	MT18HS	197/144
BCLL 0.0 *	Lumber DOL 1.15	WB 1.00	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) -0.02 H n/a n/a		
	Code IBC2018/TPI2014			Weight: 231 lb	FT = 20%

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)

PRMU20240282 BLDG E

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



May 22, 2023

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1488999
N0653	Y5	GABLE	6	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:48:03 2023 Page 2
 ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

14) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 26-10-0 for 240.0 plf.

PRMU20240282 BLDG E

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job N0653	Truss Y6	Truss Type GABLE	Qty 6	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA U1489000
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:48:06 2023 Page 1
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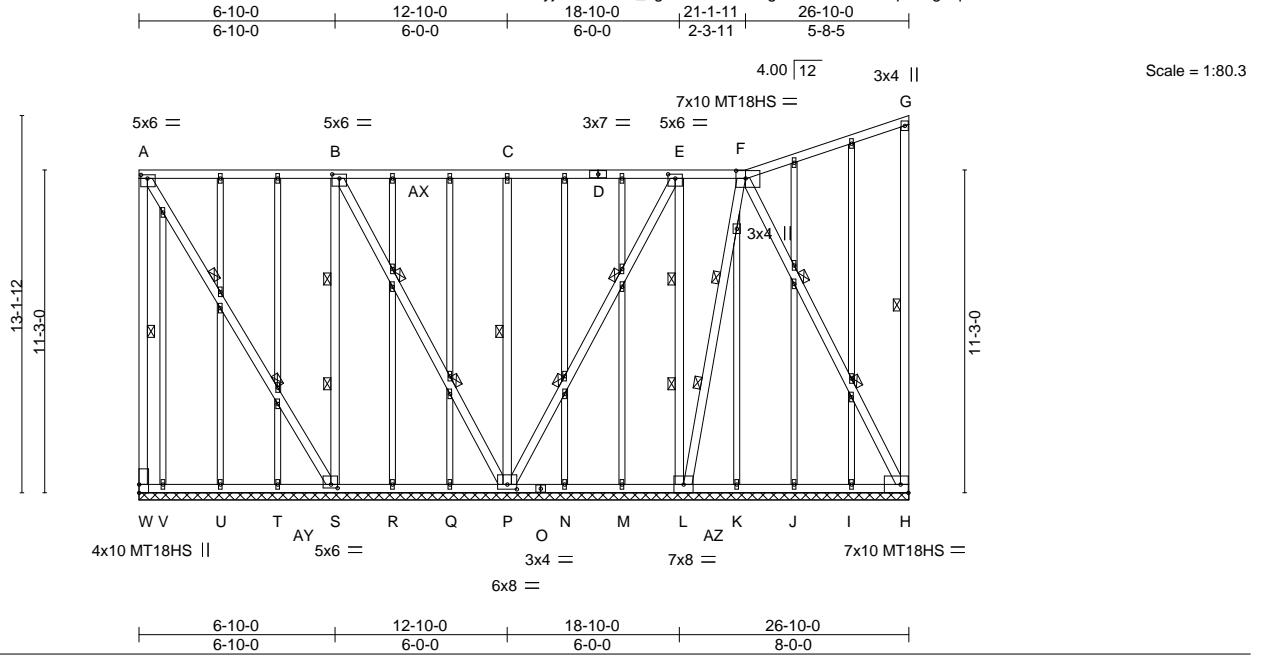


Plate Offsets (X,Y)-- [A:0-2-12,0-1-8], [B:0-3-0,0-1-12], [E:0-3-0,0-1-12], [F:0-4-0,0-3-4], [H:0-3-4,Edge], [P:0-4-0,0-2-0], [S:0-2-12,0-1-8]

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

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

PRMU20240282 BLDG E

NOTES-

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCCL=4.2psf; BCDL=5.0psf; h=30ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; Lumber DOL=1.33 plate grip DOL=1.33
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 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.
- This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI



May 22, 2023

Continued on page 2

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

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1489000
N0653	Y6	GABLE	6	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:48:07 2023 Page 2
 ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

14) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 26-10-0 for 240.0 plf.

PRMU20240282 BLDG E

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

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



240 Stirling Crescent
 Bradford, ON. L3Z 4L5

Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1489001
N0653	Y7	MONOPITCH	36	1	Job Reference (optional)	

Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:48:08 2023 Page 1
 ID:hFyjDMxrTsEK_kgkR0vWWVzFlgc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

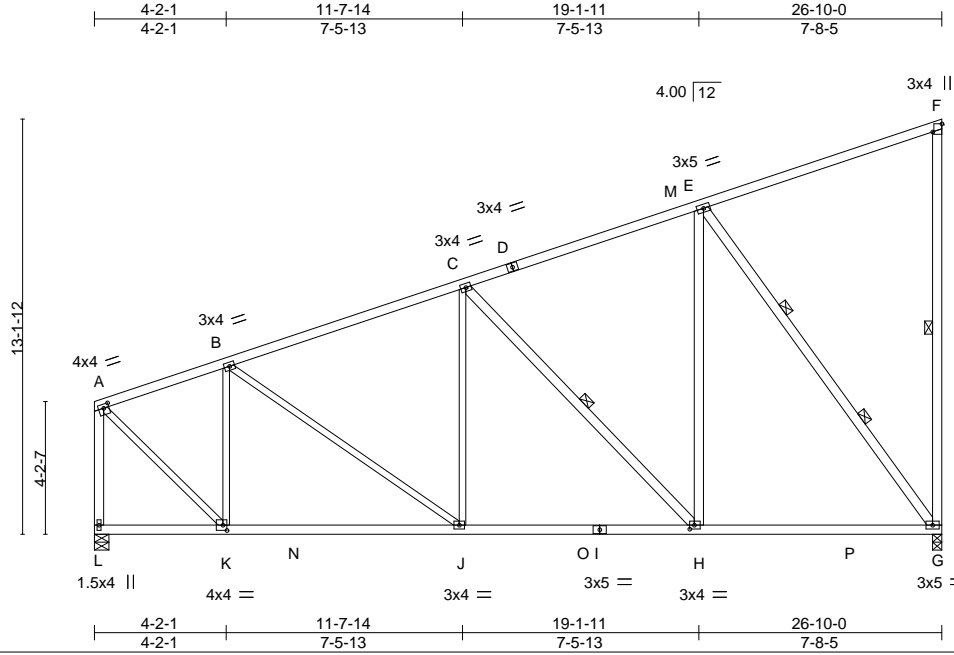


Plate Offsets (X,Y)-- [A:0-2-0,0-1-8], [F:Edge,0-3-8], [H:0-1-12,0-1-8], [K:0-1-8,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.71	in (loc) l/defl L/d	MT20	197/144
TCDL 12.0	Lumber DOL 1.15	BC 0.72	Vert(LL) -0.16 G-H >999 360		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.79	Vert(CT) -0.27 G-H >999 240		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-MS	Horz(CT) 0.04 G n/a n/a	Weight: 141 lb	FT = 20%
			Wind(LL) 0.03 J >999 240		

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

PRMU20240282 BLDG E

- 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.



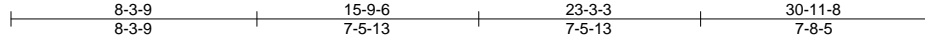
May 22, 2023

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



Job N0653	Truss Y8	Truss Type GABLE	Qty 6	Ply 1	TIMBERLANE-202 27th Ave SE-Puyallup-WA Job Reference (optional)	U1489002
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Alliance Truss (CA), Abbotsford, BC - V2S 7P6, 8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:48:13 2023 Page 1
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Scale = 1:77.7

PRMU20240282 BLDG E

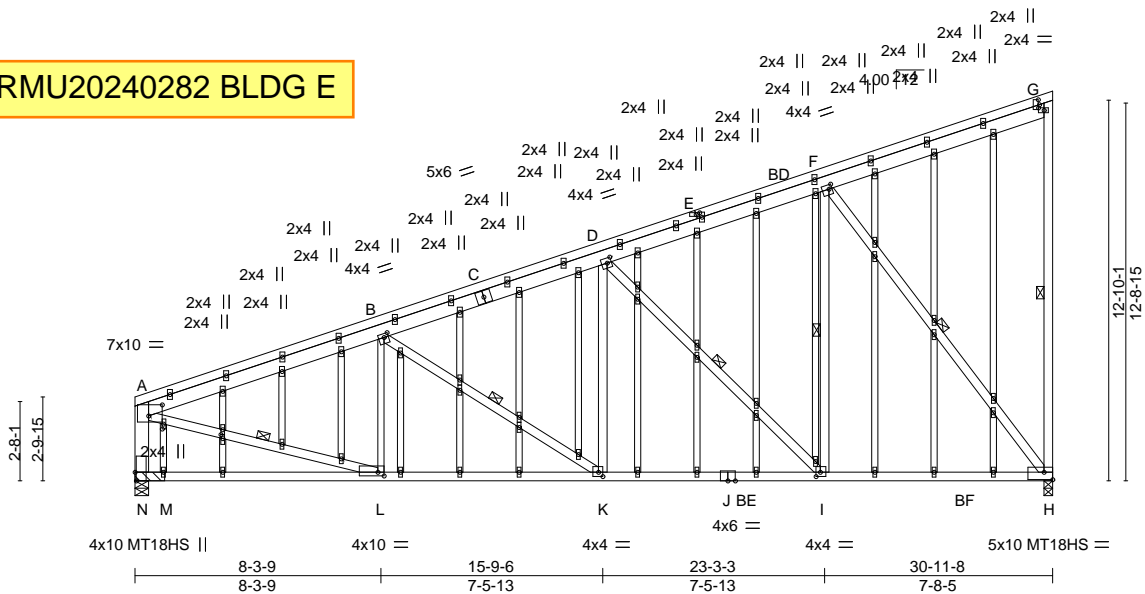


Plate Offsets (X,Y)-- [A:0-5-8,0-4-8], [B:0-1-12,0-1-8], [D:0-1-12,0-2-0], [E:0-1-7,0-0-12], [F:0-1-4,0-1-12], [G:0-2-0,0-0-8], [G:0-2-4,0-1-0], [H:Edge,0-3-0], [I:0-1-12,0-1-12], [K:0-1-12,0-1-12], [L:0-2-8,0-1-8], [N:0-3-8,Edge], [AZ:0-1-10,0-0-12], [BC:0-2-0,0-0-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.86	in (loc) l/defl L/d	MT20	197/144
TCDL 12.0	Plate Grip DOL 1.15	BC 0.83	Vert(LL) -0.20 K-L >999 360	MT18HS	197/144
BCLL 0.0 *	Lumber DOL 1.15	WB 0.96	Vert(CT) -0.28 K-L >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.08 H n/a n/a		
	Code IBC2018/TPI2014		Wind(LL) 0.19 K-L >999 240	Weight: 295 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2 *Except*
 C-G,A-C: 2x6 SPF No.2
 BOT CHORD 2x4 SPF 2100F 1.8E *Except*
 H-J: 2x4 SPF No.2
 WEBS 2x4 SPF No.2 *Except*
 B-L: 2x3 SPF No.2, F-H,A-L: 2x4 SPF 2100F 1.8E, A-N: 2x6 SPF No.2
 OTHERS 2x3 SPF No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-6-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 4-2-8 oc bracing.
 WEBS 1 Row at midpt G-H, B-K, D-I, F-I, F-H, A-L

REACTIONS. (size) H=0-3-8, N=(0-5-8 + bearing block)
 Max Horz N=285(LC 39)
 Max Uplift H=784(LC 40), N=3085(LC 31)
 Max Grav H=2193(LC 27), N=3783(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD A-B=6091/5275, B-D=5343/4656, D-F=3839/3414, F-G=1973/1892, G-H=359/78, A-N=3644/3113
 BOT CHORD L-N=2182/1934, K-L=3343/4225, I-K=2819/3629, H-I=1563/2118
 WEBS B-L=1386/1441, B-K=1822/1777, D-K=900/1157, D-I=1680/1130, F-I=710/1541, F-H=2242/933, A-L=5088/5825

- NOTES-**
- 1) 2x4 SPF 2100F 1.8E bearing block 12" long at jt. N attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF No.2.
 - 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 exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum 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) 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) except (jt=lb) H=784, N=3085.
 - 12) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI



May 22, 2023

Continued on page 2

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



Job	Truss	Truss Type	Qty	Ply	TIMBERLANE-202 27th Ave SE-Puyallup-WA	U1489002
N0653	Y8	GABLE	6	1	Job Reference (optional)	

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

8.630 s Nov 19 2022 MiTek Industries, Inc. Fri May 19 14:48:13 2023 Page 2
ID:hFyjDMxrTsEK_kgkR0vWWVzFigc-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

NOTES-

- 13) This truss has been designed for a total drag load of 240 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 30-11-8 for 240.0 plf.
- 14) 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.

PRMU20240282 BLDG E

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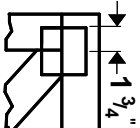
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



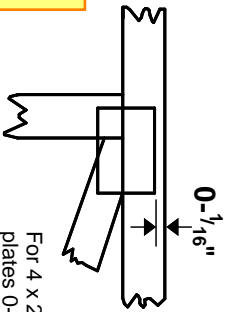
240 Stirling Crescent
Bradford, ON. L3Z 4L5

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

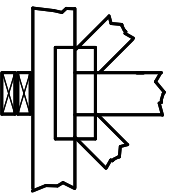
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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.

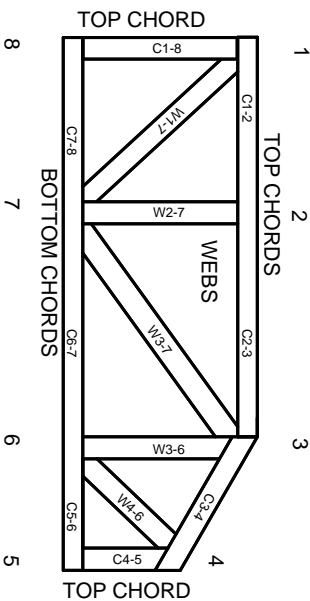
Industry Standards:

ANSI/TFP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing, Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

PRMU20240282 BLDG E

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



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/TFP 1 section 6.3 These truss designs rely on lumber values established by others.

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MITek Engineering Reference Sheet: Mill-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/TFP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TFP 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 fabrication. 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/TFP 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.