

THE APPROVED CONSTRUCTION PLANS,
DOCUMENTS AND ALL ENGINEERING MUST
BE POSTED ON THE JOB AT ALL
INSPECTIONS IN A VISIBLE AND READILY
ACCESSIBLE LOCATION.

Re: J1128349B
BRC Family LLC

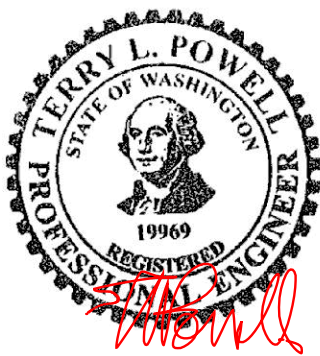
FULL SIZED LEDGIBLE COLOR PLANS ARE
REQUIRED TO BE PROVIDED BY THE
PERMITEE ON SITE FOR INSPECTION

Tri-State Engineering, Inc.
12810 NE 178th Street
Suite 218
Woodinville, WA 98072
425.481.6601

The truss drawing(s) referenced below have been prepared by Tri-State Engineering under my direct supervision based on the parameters provided by The Truss Company (Sumner).

Pages or sheets covered by this seal: I14526166 thru I14526190

My license renewal date for the state of Washington is August 20, 2024.



November 9, 2022

Terry Powell

The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI 1.

Job J1128349B	Truss A01	Truss Type GABLE	Qty 1	Ply 1	BRC Family LLC	I14526166
The Truss Company (Sumner), Sumner, WA - 98390,						8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:21 2022 Page 1
						ID:8pwdBHssSJtKgvrYbzoM2yPvaF-fjkaSOxHtiwfpDUKE?3v87?Tr0uddlqznkRjyLBy0
						Job Reference (optional)

8-7-5	16-4-14	24-2-7	32-0-0	39-9-9	47-7-2	55-4-11	64-0-0
8-7-5	7-9-9	7-9-9	7-9-9	7-9-9	7-9-9	7-9-9	8-7-5

PRMU20221586

Scale = 1:113.4

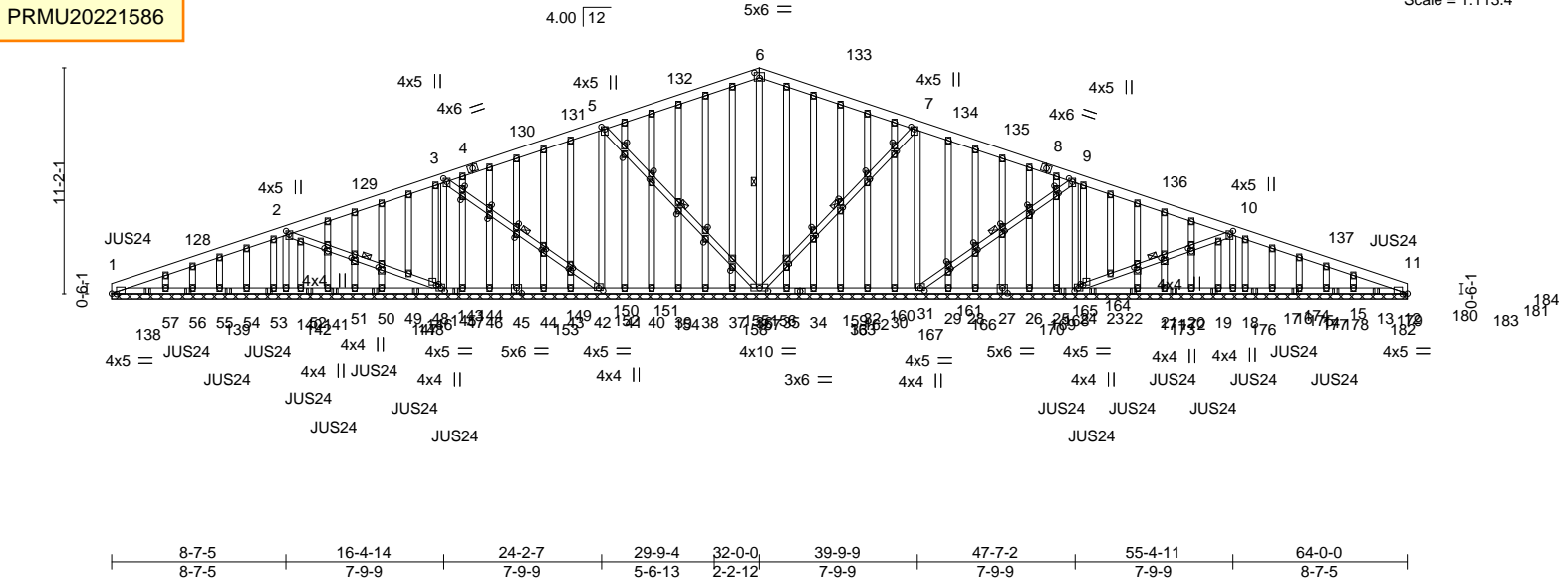


Plate Offsets (X,Y)--	[1:0-2-14,Edge], [2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-1-8,0-2-0], [6:0-3-0,0-3-0], [7:0-1-8,0-2-0], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [108:0-2-0,0-1-4], [108:0-2-0,0-1-4], [106:0-2-0,0-1-4], [106:0-2-0,0-1-4], [104:0-2-0,0-1-4], [104:0-2-0,0-1-4], [102:0-2-0,0-1-4], [102:0-2-0,0-1-4], [100:0-2-0,0-1-4], [100:0-2-0,0-1-4], [11:0-2-14,Edge], [110:0-2-0,0-1-4], [110:0-2-0,0-1-4], [112:0-2-0,0-1-4], [112:0-2-0,0-1-4], [114:0-0-0,0-0-0], [117:0-1-12,0-2-0], [117:0-0-0,0-0-0], [119:0-1-12,0-2-0], [119:0-0-0,0-0-0], [122:0-0-0,0-0-0], [121:0-0-0,0-0-0], [121:0-1-12,0-2-0], [22:0-0-10,0-1-8], [22:0-2-4,0-1-12], [25:0-3-0,0-3-0], [28:0-2-8,0-1-8], [35:0-5-0,0-1-12], [41:0-2-8,0-1-8], [44:0-3-0,0-3-0], [47:0-0-10,0-1-8], [47:0-2-4,0-1-12], [58:0-2-0,0-1-4], [60:0-2-0,0-1-4], [60:0-2-0,0-1-4], [62:0-2-0,0-1-4], [62:0-2-0,0-1-4], [64:0-2-0,0-1-4], [64:0-2-0,0-1-4], [66:0-2-0,0-1-4], [66:0-2-0,0-1-4], [68:0-2-0,0-1-4], [68:0-2-0,0-1-4], [70:0-2-0,0-1-4], [70:0-2-0,0-1-4], [72:0-2-0,0-1-4], [72:0-2-0,0-1-4], [74:0-2-0,0-1-4], [74:0-2-0,0-1-4], [76:0-2-0,0-1-4], [76:0-2-0,0-1-4], [81:0-1-12,0-2-0], [83:0-1-12,0-2-0], [85:0-1-12,0-2-0], [94:0-0-0,0-0-0], [94:0-2-0,0-1-4], [96:0-2-0,0-1-4], [96:0-2-0,0-1-4], [98:0-2-0,0-1-4], [98:0-2-0,0-1-4]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	Plate Grip DOL 1.15	TC 0.39	Vert(LL) n/a - n/a 999	MT20	185/148
(Roof Snow=25.0)	Lumber DOL 1.15	BC 0.44	Vert(CT) n/a - n/a 999		
TCDL 15.0	Rep Stress Incr NO	WB 0.88	Horz(CT) 0.01 11 n/a n/a		
BCLL 0.0 *	Code IBC2018/TPI2014	Matrix-SH		Weight: 621 lb	FT = 20%
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x6 DF SS	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 HF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 HF No.2 *Except*	6-0-0 oc bracing: 40-41,39-40,38-39,37-38,36-37,35-36,34-35,32-34
9-22,10-17,3-47,2-52: 2x4 DF Stud	,31-32,30-31,29-30,28-29.
OTHERS 2x4 DF Stud *Except*	WEBS 1 Row at midpt 6-35, 7-35, 9-28, 10-22, 5-35, 3-41, 2-47
58-59,93-94: 2x4 HF No.2	

REACTIONS.	All bearings 64-0-0.
(lb) - Max Horz 1=122(LC 137)	
Max Uplift All uplift 100 lb or less at joint(s) 1, 11, 36, 37, 38, 39, 40, 42, 48,	
49, 50, 51, 53, 54, 55, 56, 57, 34, 32, 31, 30, 29, 27, 21, 20, 19, 18, 16,	
15, 14, 13, 12 except 35=109(LC 6), 28=107(LC 134), 22=171(LC 7),	
17=180(LC 134), 41=113(LC 133), 47=162(LC 10), 52=178(LC 133), 46=133(LC	
52), 23=130(LC 75)	
Max Grav All reactions 250 lb or less at joint(s) except 1=444(LC 33), 35=923(LC	
17), 28=736(LC 17), 22=1004(LC 17), 17=678(LC 17), 41=736(LC 16), 47=933(LC	
16), 52=705(LC 16), 11=454(LC 41), 36=327(LC 106), 37=327(LC 105),	
38=326(LC 104), 39=328(LC 103), 40=323(LC 102), 42=322(LC 100), 43=345(LC	
99), 45=351(LC 98), 46=329(LC 97), 48=533(LC 95), 49=337(LC 94), 50=486(LC	
93), 51=424(LC 92), 53=443(LC 90), 54=369(LC 89), 55=452(LC 88), 56=353(LC	
87), 57=540(LC 86), 34=327(LC 108), 32=327(LC 109), 31=326(LC 110), 30=328(LC	
111), 29=323(LC 112), 27=322(LC 114), 26=345(LC 115), 24=352(LC 116),	
23=323(LC 117), 21=512(LC 119), 20=390(LC 120), 19=388(LC 121), 18=439(LC	
122), 16=461(LC 81), 15=371(LC 125), 14=448(LC 126), 13=349(LC 127),	
12=563(LC 128)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS	6-35=-645/36, 7-28=-702/90, 9-22=-549/101, 10-17=-749/154, 5-41=-702/103,
	3-47=-549/111, 2-52=-748/164



Continued on page 2

November 9,2022

Job J1128349B	Truss A01	Truss Type GABLE	PRMU20221586	Qty 1	Ply 1	BRC Family LLC	I14526166
The Truss Company (Sumner), Sumner, WA - 98390,				8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:25 2022 Page 2 ID:8pwdBHssSJtKgvrYbzoM2yPvaF-XUz5llqSlwO8OG7_jalxDllo_4DyqRculbXZVvYLBxy			

NOTES- (18)

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 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) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
- 6) All plates are 3x4 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.
- 8) Gable studs spaced at 1-4-0 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 23.0psf on the bottom chord in 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) 1, 11, 36, 37, 38, 39, 40, 42, 48, 49, 50, 51, 53, 54, 55, 56, 57, 34, 32, 31, 30, 29, 27, 21, 20, 19, 18, 16, 15, 14, 13, 12 except (jt=lb) 35=109, 28=107, 22=171, 17=180, 41=113, 47=162, 52=178, 46=133, 23=130.
- 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 14) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-9-4 from the left end to 17-0-4 to connect truss(es) to front face of bottom chord.
- 15) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 46-11-12 from the left end to 62-5-9 to connect truss(es) to front face of bottom chord.
- 16) Fill all nail holes where hanger is in contact with lumber.
- 17) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 18) All dimensions given in feet-inches-sixteenths (FFI/SS) format.

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 1-6=-80, 6-11=-80, 1-11=-20
 - Concentrated Loads (lb)
 - Vert: 53=-257(F) 56=-257(F) 21=-257(F) 18=-257(F) 14=-257(F) 139=-257(F) 142=-257(F) 146=-257(F) 147=-257(F) 150=-257(F) 151=-257(F) 152=-257(F) 172=-257(F) 173=-257(F) 176=-257(F) 180=-257(F) 183=-257(F) 184=-257(F)



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component**

Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



theTRUSSCO. INC.

Job J1128349B	Truss A01B	Truss Type GABLE	PRMU20221586	Qty 1	Ply 1	BRC Family LLC	I14526167
The Truss Company (Sumner), Sumner, WA - 98390,							Job Reference (optional)

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:50 2022 Page 2
ID:8pwdBHssSJtKgvrYbzoM2yPvaF-IL_YXl87PcXbu6XnhKFok0r4g9h4BrZV_lmyYyLBxZ

NOTES- (16)

- 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) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
- 6) All plates are 3x4 MT20 unless otherwise indicated.
- 7) Gable studs spaced at 1-4-0 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 23.0psf on the bottom chord in 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) 1, 11, 38, 39, 40, 41, 43, 44, 45, 46, 47, 20, 19, 18, 16, 15, 14, 12 except (jt=lb) 30=153, 22=121, 17=146, 37=130, 42=185, 31=256, 36=341, 29=256, 23=341, 13=109.
- 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 13) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-9-4 from the left end to 13-3-4 to connect truss(es) to front face of bottom chord.
- 14) Fill all nail holes where hanger is in contact with lumber.
- 15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 16) All dimensions given in feet-inches-sixteenths (F/I/ISS) format.

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 1-6=-80, 6-11=-80, 1-11=-20
 - Concentrated Loads (lb)
 - Vert: 38=-257(F) 39=-257(F) 43=-257(F) 46=-257(F) 139=-257(F) 142=-257(F) 146=-257(F)



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Safety Information



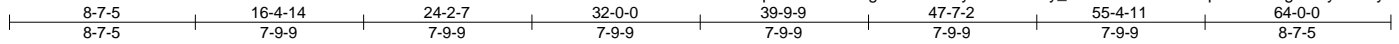
theTRUSSCO. INC.

Job J1128349B	Truss A02	Truss Type Common	PRMU20221586	Qty 10	Ply 1	BRC Family LLC	I14526168
Job Reference (optional)							

The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:52 2022 Page 1

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Scale = 1:106.7

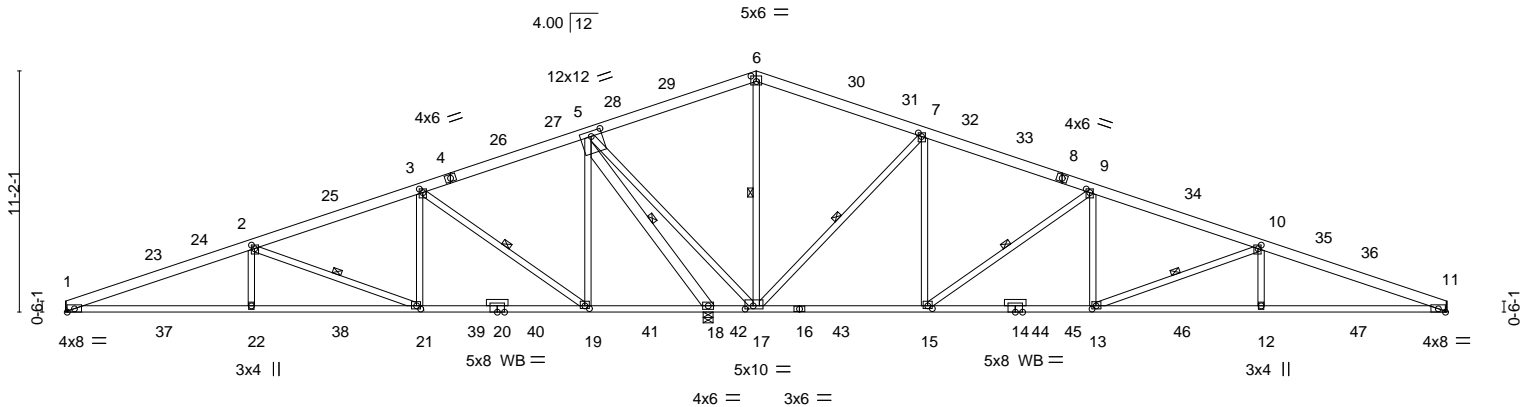


Plate Offsets (X,Y)--	[2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-6-0,0-2-12], [6:0-3-0,0-3-0], [7:0-2-0,0-1-12], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [13:0-2-4,0-1-12], [15:0-2-8,0-1-8], [17:0-4-8,0-1-12], [19:0-2-8,0-1-8], [21:0-2-4,0-1-12]
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LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.43	Vert(LL)	-0.27 12-13	>999	360	MT20	185/148
TCDL 15.0	Plate Grip DOL 1.15	BC 0.99	Vert(CT)	-0.48 12-13	>844	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.94	Horz(CT)	0.09 11	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-SH					Weight: 376 lb	FT = 20%
	Code IBC2018/TPI2014							

LUMBER-
TOP CHORD 2x6 DF SS
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 HF No.2 *Except*
7-17,5-17: 2x4 DF No.1&Btr, 9-13,10-12,3-21,2-22: 2x4 DF Stud
5-18: 2x6 DF 2400F 2.0E
OTHERS 2x4 DF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 6-17, 7-17, 9-15, 10-13, 3-19, 2-21, 5-18

REACTIONS. (size) 1=Mechanical, 11=Mechanical, 18=0-5-8
Max Horz 1=122(LC 16)
Max Uplift 1=-89(LC 12), 11=-129(LC 13), 18=-194(LC 8)
Max Grav 1=1046(LC 18), 11=1359(LC 4), 18=4590(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2164/200, 2-3=-887/160, 3-5=0/994, 5-6=0/1381, 6-7=0/1384, 7-9=-615/295,
9-10=-1809/252, 10-11=-3062/320
BOT CHORD 1-22=-261/1976, 21-22=-261/1976, 19-21=-121/740, 18-19=-889/182, 17-18=-3857/398,
15-17=-225/502, 13-15=-114/1617, 12-13=-251/2835, 11-12=-251/2835
WEBS 6-17=-1320/124, 7-17=-2096/200, 7-15=-25/1240, 9-15=-1478/157, 9-13=0/769,
10-13=-1327/147, 10-12=0/471, 5-17=-276/3827, 5-19=-29/1130, 3-19=-1500/156,
3-21=0/806, 2-21=-1357/151, 2-22=0/468, 5-18=-5283/445

- NOTES-** (12)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-12 to 6-5-9, Interior(1) 6-5-9 to 25-7-3, Exterior(2R) 25-7-3 to 38-4-13, Interior(1) 38-4-13 to 57-6-7, Exterior(2E) 57-6-7 to 63-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
 - 5) All plates are 4x5 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 23.0psf on the bottom chord in 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) Refer to girder(s) for truss to truss connections.

Continued on page 2



November 9,2022

Job J1128349B	Truss A02	Truss Type Common	PRMU20221586	Qty 10	Ply 1	BRC Family LLC	I14526168
Job Reference (optional)							

The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:52 2022 Page 2
ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-Eh6ly_9OxDnJ8QhAoIHGpRwQbzHgfePsyInt0QyLBxX

NOTES- (12)

- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 11=129, 18=194.
- 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 12) All dimensions given in feet-inches-sixteenths (FFI/SS) format.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Safety Information



the**TRUSS**CO. INC.

Job J1128349B	Truss A03	Truss Type Common	PRMU20221586	Qty 4	Ply 1	BRC Family LLC	I14526169
Job Reference (optional)							

The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:54 2022 Page 1

ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-B4E2NgBeTq21NjrZwAKkus?glm_?7Y_9QcGz5JyLBxV

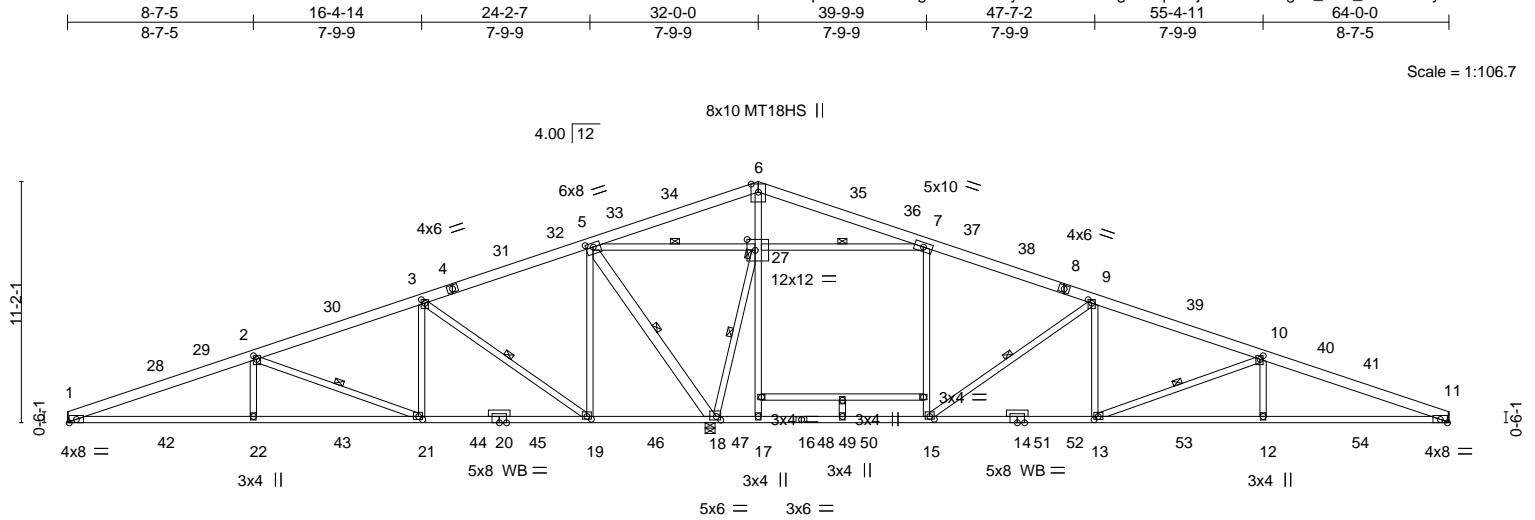


Plate Offsets (X,Y)--	[2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-4-0,0-2-4], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [13:0-2-4,0-1-12], [15:0-2-8,0-1-8], [18:0-2-8,0-2-0], [19:0-2-8,0-1-8], [21:0-2-4,0-1-12], [27:0-4-8,0-6-0]
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LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15	TC 0.80	Vert(LL)	-0.35 13-15	>999	360	MT20	185/148
TCDL 15.0	Lumber DOL 1.15	BC 0.93	Vert(CT)	-0.61 13-15	>671	240	MT18HS	185/148
BCLL 0.0 *	Rep Stress Incr NO	WB 0.87	Horz(CT)	0.08 11	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-SH					Weight: 387 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 DF SS	TOP CHORD Structural wood sheathing directly applied or 4-3-4 oc purlins.
BOT CHORD 2x4 DF 2400F 2.0E *Except*	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
14-16,16-20: 2x4 DF No.1&Btr	WEBS 1 Row at midpt 9-15, 10-13, 3-19, 2-21, 5-18, 7-27, 5-27, 18-27
WEBS 2x4 HF No.2 *Except*	JOINTS 1 Brace at Jt(s): 27
9-13,10-12,3-21,2-22,25-26: 2x4 DF Stud, 5-18: 2x6 DF SS	
7-27,5-27,18-27: 2x4 DF 2400F 2.0E	
OTHERS 2x4 DF Stud	

REACTIONS. (size) 1=Mechanical, 18=0-5-8, 11=Mechanical
Max Horz 1=122(LC 16)
Max Uplift 1=83(LC 12), 18=216(LC 8), 11=139(LC 13)
Max Grav 1=964(LC 3), 18=4783(LC 2), 11=1352(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1912/182, 2-3=-628/265, 3-5=0/1168, 5-6=-368/5265, 6-7=-371/5353,
7-9=-602/417, 9-10=-1842/286, 10-11=-3076/351
BOT CHORD 1-22=-244/1738, 21-22=-244/1738, 19-21=-202/495, 18-19=-1035/158, 17-18=-365/468,
15-17=-362/473, 13-15=-147/1652, 12-13=-281/2834, 11-12=-281/2834
WEBS 17-27=0/571, 6-27=-3881/386, 7-15=-32/1251, 9-15=-1563/163, 9-13=0/777,
10-13=-1304/145, 10-12=0/470, 5-19=-31/1185, 3-19=-1513/157, 3-21=0/798,
2-21=-1361/151, 2-22=0/470, 5-18=-1098/427, 7-27=-5267/526, 5-27=-4040/457,
18-27=-4736/406

- NOTES-** (14)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-12 to 6-5-9, Interior(1) 6-5-9 to 25-7-3, Exterior(2R) 25-7-3 to 38-4-13, Interior(1) 38-4-13 to 57-6-7, Exterior(2E) 57-6-7 to 63-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
 - 5) All plates are MT20 plates unless otherwise indicated.
 - 6) All plates are 4x5 MT20 unless otherwise indicated.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



November 9,2022

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	BRC Family LLC	I14526169
J1128349B	A03	Common	PRMU20221586	4	1	
Job Reference (optional)						

- NOTES-** (14)
- * This truss has been designed for a live load of 23.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 18=216, 11=139.
 - 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 100 lb down and 13 lb up at 34-10-12, and 100 lb down and 13 lb up at 36-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - All dimensions given in feet-inches-sixteenths (FPIISS) format.

LOAD CASE(S) Standard

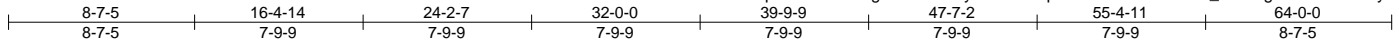
- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 1-6=-80, 6-11=-80, 1-11=-20
 - Concentrated Loads (lb)
 - Vert: 48=-100 50=-100

Job J1128349B	Truss A04	Truss Type Common	PRMU20221586	Qty 2	Ply 1	BRC Family LLC	I14526170
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The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:56 2022 Page 1

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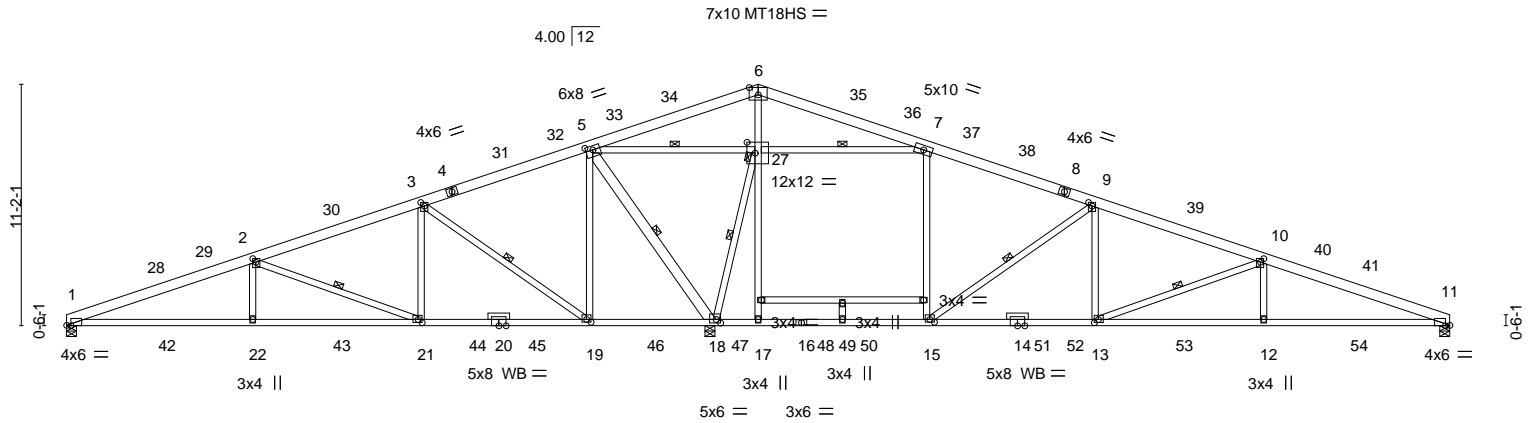


Plate Offsets (X,Y)--	[1:0-2-6,Edge], [2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-4-0,0-2-4], [6:0-5-0,0-4-0], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [11:0-2-6,Edge], [13:0-2-4,0-1-12], [15:0-2-8,0-1-8], [18:0-2-8,0-2-0], [19:0-2-8,0-1-8], [21:0-2-4,0-1-12], [27:0-4-8,0-6-0]
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LOADING (psf)	SPACING-	CSL	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)	-0.34 13-15	>999	360	MT20	185/148
TCDL 15.0	Lumber DOL 1.15	BC 0.93	Vert(CT)	-0.60 13-15	>674	240	MT18HS	185/148
BCLL 0.0 *	Rep Stress Incr NO	WB 0.86	Horz(CT)	0.08 11	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-SH					Weight: 387 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 DF SS	TOP CHORD Structural wood sheathing directly applied or 4-3-13 oc purlins.
BOT CHORD 2x4 DF 2400F 2.0E *Except*	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 HF No.2 *Except*	WEBS 1 Row at midpt 9-15, 10-13, 3-19, 2-21, 5-18, 7-27, 5-27, 18-27
OTHERS 2x4 DF Stud	JOINTS 1 Brace at Jt(s): 27

REACTIONS.	(size)
1=0-5-8, 18=0-5-8, 11=0-5-8	
Max Horz 1=122(LC 16)	
Max Uplift 1=83(LC 12), 18=215(LC 8), 11=140(LC 13)	
Max Grav 1=969(LC 3), 18=4737(LC 2), 11=1356(LC 19)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-1911/179, 2-3=-659/220, 3-5=0/1112, 5-6=-363/5196, 6-7=-366/5284, 7-9=-637/381, 9-10=-1862/286, 10-11=-3057/347
BOT CHORD	1-22=-241/1734, 21-22=-241/1734, 19-21=-159/525, 18-19=-982/155, 17-18=-330/502, 15-17=-327/507, 13-15=-147/1672, 12-13=-277/2811, 11-12=-277/2811
WEBS	17-27=0/570, 6-27=-3836/382, 7-15=-31/1243, 9-15=-1549/161, 9-13=0/763, 10-13=-1261/142, 10-12=0/468, 5-19=-31/1179, 3-19=-1503/156, 3-21=0/786, 2-21=-1326/148, 2-22=0/468, 5-18=-1091/424, 7-27=-5238/524, 5-27=-4021/455, 18-27=-4689/403

- NOTES-** (13)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-2-12 to 6-7-9, Interior(1) 6-7-9 to 25-7-3, Exterior(2R) 25-7-3 to 38-4-13, Interior(1) 38-4-13 to 57-4-7, Exterior(2E) 57-4-7 to 63-9-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
 - 5) All plates are MT20 plates unless otherwise indicated.
 - 6) All plates are 4x5 MT20 unless otherwise indicated.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



November 9,2022

Continued on page 2

Job J1128349B	Truss A04	Truss Type Common	PRMU20221586	Qty 2	Ply 1	BRC Family LLC	I14526170
Job Reference (optional)							

The Truss Company (Sumner),
Sumner, WA - 98390,
8.530 s Aug 11 2022
MiTek Industries, Inc.
Tue Nov 8 15:58:56 2022
Page 2
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- NOTES-** (13)
- 8) * This truss has been designed for a live load of 23.0psf on the bottom chord in 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) 1 except (jt=lb) 18=215, 11=140.
 - 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
 - 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 100 lb down and 13 lb up at 34-10-12, and 100 lb down and 13 lb up at 36-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 13) All dimensions given in feet-inches-sixteenths (FIISS) format.

- LOAD CASE(S)** Standard
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 1-6=-80, 6-11=-80, 1-11=-20
 - Concentrated Loads (lb)
 - Vert: 48=-100 50=-100

Job J1128349B	Truss A05	Truss Type COMMON	PRMU20221586	Qty 4	Ply 1	BRC Family LLC	I14526171
Job Reference (optional)							

The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:58 2022 Page 1

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-1-0-0 8-7-5 16-4-14 24-2-7 32-0-0 39-9-9 47-7-2 55-4-11 64-0-0 65-0-0
1'-0-0 8'-7-5 7'-9-9 7'-9-9 7'-9-9 7'-9-9 7'-9-9 7'-9-9 8'-7-5 1'-0-0

Scale = 1:107.1

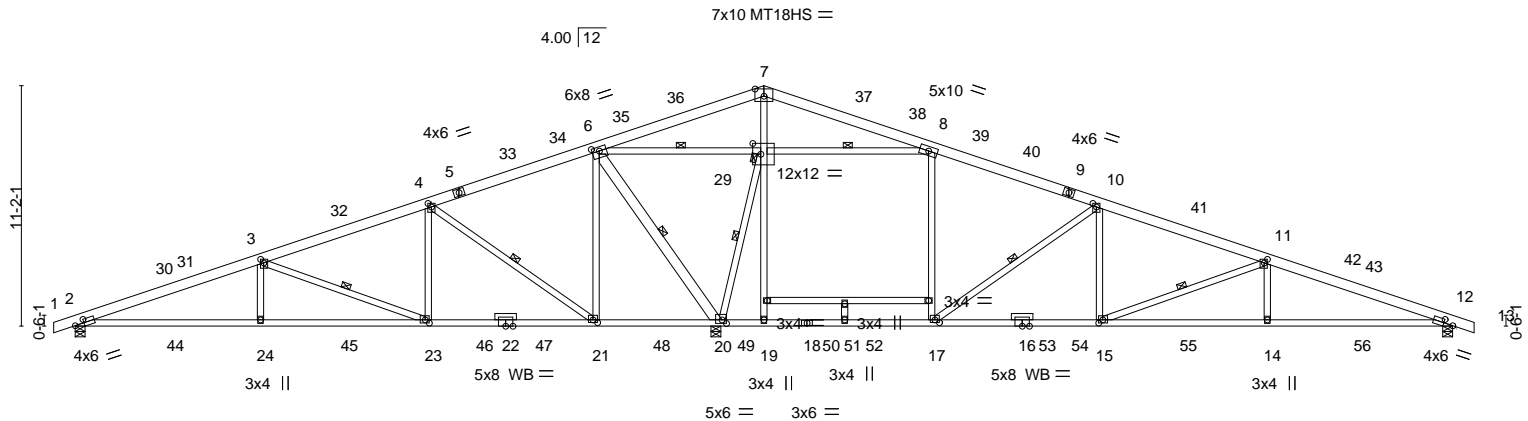


Plate Offsets (X,Y)--	[2:0-5-2,0-2-0], [3:0-2-0,0-1-12], [4:0-2-0,0-2-0], [6:0-4-0,0-2-4], [7:0-5-0,0-4-0], [10:0-2-0,0-2-0], [11:0-2-0,0-1-12], [12:0-5-2,0-2-0], [15:0-2-4,0-1-12], [17:0-2-8,0-1-8], [20:0-2-8,0-2-0], [21:0-2-8,0-1-8], [23:0-2-4,0-1-12], [29:0-4-8,0-6-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.80	Vert(LL)	-0.35 15-17	>999	360	MT20	185/148
TCDL 15.0	Plate Grip DOL 1.15	BC 0.93	Vert(CT)	-0.60 15-17	>675	240	MT18HS	185/148
BCLL 0.0 *	Lumber DOL 1.15	WB 0.87	Horz(CT)	0.08 12	n/a	n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-SH					Weight: 392 lb	FT = 20%
	Code IBC2018/TPI2014							

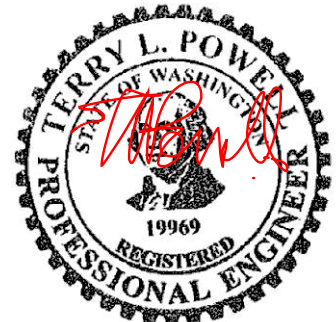
LUMBER-	BRACING-
TOP CHORD 2x6 DF SS	TOP CHORD Structural wood sheathing directly applied or 4-4-4 oc purlins.
BOT CHORD 2x4 DF 2400F 2.0E *Except*	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 HF No.2 *Except*	WEBS 1 Row at midpt 10-17, 11-15, 4-21, 3-23, 6-20, 8-29, 6-29, 20-29
10-15,11-14,4-23,3-24,27-28: 2x4 DF Stud, 6-20: 2x6 DF SS	JOINTS 1 Brace at Jt(s): 29
8-29,6-29,20-29: 2x4 DF 2400F 2.0E	
OTHERS 2x4 DF Stud	

REACTIONS.	(size)
2=0-5-8, 20=0-5-8, 12=0-5-8	
Max Horz 2=125(LC 16)	
Max Uplift 2=-115(LC 8), 20=-212(LC 8), 12=-164(LC 9)	
Max Grav 2=1069(LC 19), 20=4729(LC 2), 12=1462(LC 20)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1904/178, 3-4=-667/218, 4-6=0/1106, 6-7=-347/5207, 7-8=-350/5296, 8-10=-653/379, 10-11=-1875/288, 11-12=-3055/347
BOT CHORD	2-24=-237/1725, 23-24=-237/1725, 21-23=-157/533, 20-21=-976/156, 19-20=-328/516, 17-19=-325/521, 15-17=-144/1685, 14-15=-271/2807, 12-14=-271/2807
WEBS	19-29=0/570, 7-29=-3846/372, 8-17=-30/1241, 10-17=-1546/160, 10-15=0/758, 11-15=-1247/136, 11-14=0/467, 6-21=-30/1177, 4-21=-1500/155, 4-23=0/782, 3-23=-1311/145, 3-24=0/467, 6-20=-1103/435, 8-29=-5260/522, 6-29=-4047/455, 20-29=-4700/392

- NOTES-** (15)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 5-4-13, Interior(1) 5-4-13 to 25-7-3, Exterior(2R) 25-7-3 to 38-4-13, Interior(1) 38-4-13 to 58-7-3, Exterior(2E) 58-7-3 to 65-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 5) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
 - 6) All plates are MT20 plates unless otherwise indicated.

Continued on page 2



November 9, 2022

Job J1128349B	Truss A05	Truss Type COMMON	PRMU20221586	Qty 4	Ply 1	BRC Family LLC	I14526171
Job Reference (optional)							

The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:58 2022 Page 2
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NOTES- (15)

- 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 23.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=115, 20=212, 12=164.
- 11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 12) Load case(s) 21, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 13) This truss has been designed for a moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 100 lb down and 13 lb up at 34-10-12, and 100 lb down and 13 lb up at 36-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 15) All dimensions given in feet-inches-sixteenths (FPIISS) format.

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-7=-80, 7-13=-80, 2-12=-20
Concentrated Loads (lb)
Vert: 50=-100 52=-100
- 21) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-23=-40, 23-46=-66, 21-46=-40, 21-48=-66, 48-54=-40, 15-54=-66, 12-15=-40
Concentrated Loads (lb)
Vert: 50=-50 52=-50
- 26) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=7, 2-7=-26, 7-12=-26, 12-13=7, 2-12=-8
Horz: 1-2=-16, 2-7=16, 7-12=-16, 12-13=16
Concentrated Loads (lb)
Vert: 50=-18 52=-18
- 27) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-7=7, 7-13=7, 2-12=-8
Horz: 1-7=-16, 7-13=16
Concentrated Loads (lb)
Vert: 50=-18 52=-18
- 28) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 30=-300 50=-50 52=-50
- 29) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 32=-300 50=-50 52=-50
- 30) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 33=-300 50=-50 52=-50
- 31) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 36=-300 50=-50 52=-50
- 32) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 37=-300 50=-50 52=-50
- 33) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 40=-300 50=-50 52=-50
- 34) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 41=-300 50=-50 52=-50
- 35) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 43=-300 50=-50 52=-50

Continued on page 3



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component**

Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



theTRUSSCO. INC.

Job J1128349B	Truss A05	Truss Type COMMON	PRMU20221586	Qty 4	Ply 1	BRC Family LLC Job Reference (optional) I14526171
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The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:58 2022 Page 3
ID:8pwdBHssSJtKgvrYbzom2yPvaF-3rTZD1E9X3YTsL9K9?Og3iALJOLw2M_ILLEEBe4yLBxR

LOAD CASE(S) Standard

- 36) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 2=-300 50=-50 52=-50
- 37) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 3=-300 50=-50 52=-50
- 38) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 4=-300 50=-50 52=-50
- 39) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 6=-300 50=-50 52=-50
- 40) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 7=-300 50=-50 52=-50
- 41) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 8=-300 50=-50 52=-50
- 42) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 10=-300 50=-50 52=-50
- 43) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 11=-300 50=-50 52=-50
- 44) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 12=-300 50=-50 52=-50
- 45) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 44=-300 50=-50 52=-50
- 46) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 45=-300 50=-50 52=-50
- 47) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 47=-300 50=-50 52=-50
- 48) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 48=-300 50=-50 52=-50
- 49) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 49=-300 50=-50 52=-50
- 50) 23rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 50=-50 51=-300 52=-50

Continued on page 4



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component**

Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



theTRUSSCO. INC.

Job J1128349B	Truss A05	Truss Type COMMON	PRMU20221586	Qty 4	Ply 1	BRC Family LLC	I14526171
Job Reference (optional)							

The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:58 2022 Page 4
ID:8pwdBHssSJtKgvrYbzoM2yPvaF-3rTZD1E9X3YTsL9K9?Og3iALJOLw2M_ILLEEBe4yLBxR

LOAD CASE(S) Standard

- 51) 24th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 50=-50 52=-50 53=-300
- 52) 25th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 50=-50 52=-50 55=-300
- 53) 26th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 50=-50 52=-50 56=-300
- 54) 27th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 24=-300 50=-50 52=-50
- 55) 28th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 23=-300 50=-50 52=-50
- 56) 29th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 21=-300 50=-50 52=-50
- 57) 30th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 20=-300 50=-50 52=-50
- 58) 31st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 19=-300 50=-50 52=-50
- 59) 32nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 17=-300 50=-50 52=-50
- 60) 33rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 15=-300 50=-50 52=-50
- 61) 34th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-30, 7-13=-30, 2-12=-20
Concentrated Loads (lb)
Vert: 14=-300 50=-50 52=-50



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult

ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component

Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



theTRUSSCO. INC.

Job J1128349B	Truss A06	Truss Type COMMON	PRMU20221586	Qty 2	Ply 1	BRC Family LLC	I14526172
Job Reference (optional)							

The Truss Company (Sumner),
Sumner, WA - 98390,
8.530 s Aug 11 2022 MiTek Industries, Inc.
Tue Nov 8 15:59:00 2022
Page 2
ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-?DbKejGP3goA5eliGQQ887FnpB0yWFAQ2oYjIzyLBxP

- NOTES-** (12)
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=119, 12=155, 20=189.
- 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 12) All dimensions given in feet-inches-sixteenths (FFI/SS) format.

Job J1128349B	Truss A07	Truss Type COMMON	PRMU20221586	Qty 2	Ply 1	BRC Family LLC	I14526173
The Truss Company (Sumner), Sumner, WA - 98390,							8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:01 2022 Page 1
ID:8pwwBHssSJtKgvzrYbzoM2yPvaF-UQ9ir3G1q_w1jotvq8yNhKoyVbNIFicB1CTrrPyLBxO							Job Reference (optional)

-1-0-0 8-7-5 16-4-14 24-2-7 32-0-0 39-9-9 47-7-2 55-4-11 64-0-0 65-0-0
1'-0-0 8-7-5 7-9-9 7-9-9 7-9-9 7-9-9 7-9-9 7-9-9 8-7-5 1'-0-0

Scale = 1:107.1

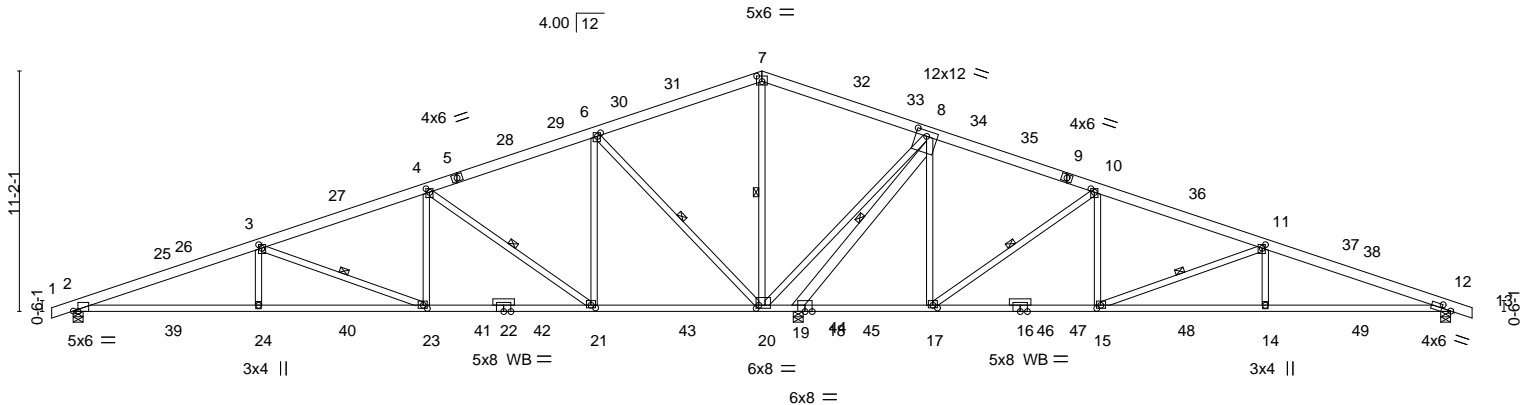


Plate Offsets (X,Y)--	[2:0-2-10,Edge], [3:0-2-0,0-1-12], [4:0-2-0,0-2-0], [6:0-2-0,0-1-12], [7:0-3-0,0-3-0], [8:0-6-0,0-3-0], [10:0-2-0,0-2-0], [11:0-2-0,0-1-12], [12:0-5-2,0-2-0], [15:0-2-4,0-1-12], [17:0-2-8,0-1-8], [20:0-1-8,0-1-12], [21:0-2-8,0-1-8], [23:0-2-4,0-1-12]
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LOADING (psf)	SPACING-	CS.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.42	Vert(LL)	-0.27 23-24	>999	360	MT20	185/148
TCDL 15.0	Lumber DOL 1.15	BC 0.96	Vert(CT)	-0.48 23-24	>838	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.94	Horz(CT)	0.09 12	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-SH					Weight: 381 lb	FT = 20%

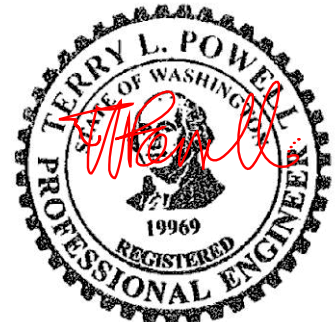
LUMBER-	BRACING-
TOP CHORD 2x6 DF SS	TOP CHORD Structural wood sheathing directly applied or 4-5-7 oc purlins.
BOT CHORD 2x4 DF No.1&Btr	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 HF No.2 *Except*	WEBS 1 Row at midpt 7-20, 10-17, 11-15, 6-20, 4-21, 3-23, 8-19
8-20,6-20: 2x4 DF No.1&Btr, 10-15,11-14,4-23,3-24: 2x4 DF Stud	
8-19: 2x6 DF 2400F 2.0E	
OTHERS 2x4 DF Stud	

REACTIONS.	(size)
Max Horz	2=125(LC 16)
Max Uplift	2=-138(LC 8), 12=-139(LC 9), 19=-173(LC 8)
Max Grav	2=1420(LC 19), 12=1192(LC 20), 19=4540(LC 2)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2936/250, 3-4=-1731/187, 4-6=-555/348, 6-7=0/1454, 7-8=0/1451, 8-10=-31/832, 10-11=-1041/206, 11-12=-2266/270
BOT CHORD	2-24=-304/2702, 23-24=-304/2702, 21-23=-173/1544, 20-21=-275/445, 19-20=-3844/391, 17-19=-736/130, 15-17=-66/887, 14-15=-199/2065, 12-14=-199/2065
WEBS	7-20=-1360/121, 8-20=-259/3731, 8-17=-27/1122, 10-17=-1486/153, 10-15=0/789, 11-15=-1300/142, 11-14=0/465, 6-20=-2101/200, 6-21=-24/1237, 4-21=-1460/155, 4-23=0/750, 3-23=-1275/141, 3-24=0/468, 8-19=-5238/431

- NOTES-** (12)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 5-4-13, Interior(1) 5-4-13 to 25-7-3, Exterior(2R) 25-7-3 to 38-4-13, Interior(1) 38-4-13 to 58-7-3, Exterior(2E) 58-7-3 to 65-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 5) **WARNING:** This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
 - 6) All plates are 4x5 MT20 unless otherwise indicated.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 23.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide

Conclude design of the bottom chord and any other members, with BCDL = 10.0psf.



November 9,2022

Job J1128349B	Truss A07	Truss Type COMMON	PRMU20221586	Qty 2	Ply 1	BRC Family LLC	I14526173
Job Reference (optional)							

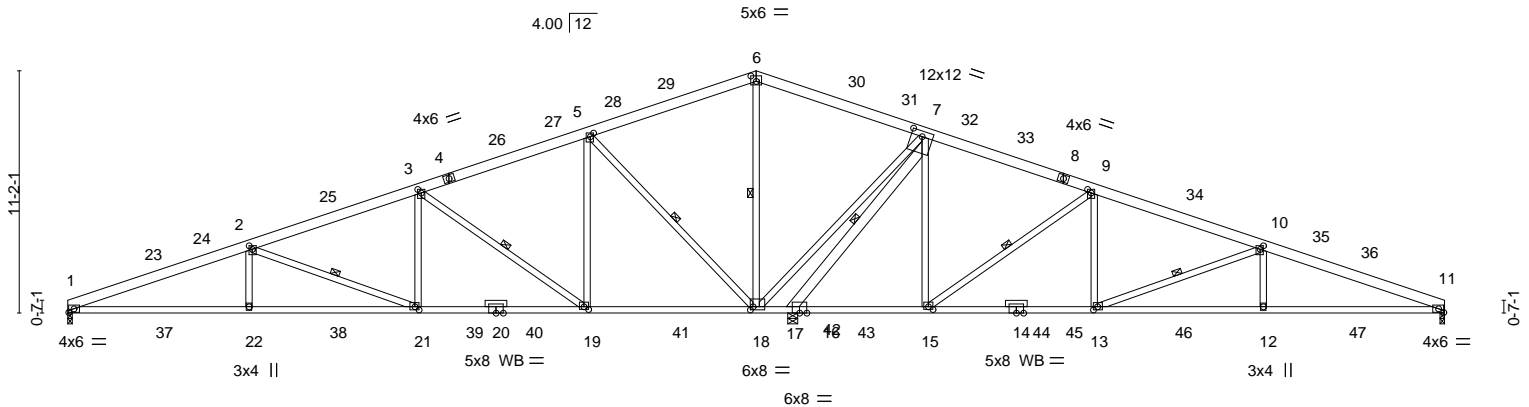
The Truss Company (Sumner),
Sumner, WA - 98390,
8.530 s Aug 11 2022 MiTek Industries, Inc.
Tue Nov 8 15:59:01 2022 Page 2
ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-UQ9ir3G1q_w1jotvq8yNhKoyVbNIFicB1CTrrPyLBxO

- NOTES-** (12)
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=138, 12=139, 19=173.
- 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 12) All dimensions given in feet-inches-sixteenths (FFI/ISS) format.

Job J1128349B	Truss A08	Truss Type Common	PRMU20221586	Qty 2	Ply 1	BRC Family LLC	I14526174
The Truss Company (Sumner), Sumner, WA - 98390,							8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:03 2022 Page 1
							ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-QoGSGIIHMBAlY61HyZ_rmltl4P3zjcDUUWyyvlyLBxM
							Job Reference (optional)

8-4-5	16-1-14	23-11-7	31-9-0	39-6-9	47-4-2	55-1-11	63-6-0
8-4-5	7-9-9	7-9-9	7-9-9	7-9-9	7-9-9	7-9-9	8-4-5

Scale = 1:106.3



8-4-5	16-1-14	23-11-7	31-9-0	33-5-4	39-6-9	47-4-2	55-1-11	63-6-0
8-4-5	7-9-9	7-9-9	7-9-9	1-8-4	6-1-5	7-9-9	7-9-9	8-4-5

Plate Offsets (X,Y)-- [1:0-2-14,0-2-0], [2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-2-0,0-1-12], [6:0-3-0,0-3-0], [7:0-6-0,0-3-0], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [11:0-2-14,0-2-0], [13:0-2-4,0-1-12], [15:0-2-8,0-1-8], [18:0-1-8,0-1-12], [19:0-2-8,0-1-8], [21:0-2-4,0-1-12]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.41	Vert(LL)	-0.27 21-22	>999	360	MT20	185/148
TCDL 15.0	Plate Grip DOL 1.15	BC 0.94	Vert(CT)	-0.47 21-22	>839	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.93	Horz(CT)	0.09 11	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-SH					Weight: 375 lb	FT = 20%
	Code IBC2018/TPI2014							

LUMBER-	BRACING-
TOP CHORD 2x6 DF SS	TOP CHORD Structural wood sheathing directly applied or 4-5-7 oc purlins.
BOT CHORD 2x4 DF No.1&Btr	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 HF No.2 *Except*	WEBS 1 Row at midpt 6-18, 9-15, 10-13, 5-18, 3-19, 2-21, 7-17
7-18,5-18: 2x4 DF No.1&Btr, 9-13,10-12,3-21,2-22: 2x4 DF Stud	
7-17: 2x6 DF 2400F 2.0E	
OTHERS 2x4 DF Stud	

REACTIONS. (size) 1=0-2-8, 11=0-2-8, 17=0-5-8
Max Horz 1=122(LC 16)
Max Uplift 1=107(LC 12), 11=113(LC 13), 17=175(LC 8)
Max Grav 1=1327(LC 3), 11=1089(LC 19), 17=4515(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=2922/248, 2-3=1732/185, 3-5=562/326, 5-6=0/1425, 6-7=0/1423, 7-9=32/802, 9-10=1050/203, 10-11=2264/267
BOT CHORD 1-22=306/2688, 21-22=306/2688, 19-21=174/1544, 18-19=254/452, 17-18=3799/395, 15-17=707/129, 13-15=68/896, 12-13=201/2063, 11-12=201/2063
WEBS 6-18=1344/126, 7-18=267/3691, 7-15=27/1119, 9-15=1481/154, 9-13=0/784, 10-13=1286/145, 10-12=0/464, 5-18=2083/200, 5-19=24/1233, 3-19=1453/155, 3-21=0/743, 2-21=1256/142, 2-22=0/467, 7-17=5210/440

- NOTES-** (12)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-4 to 6-5-7, Interior(1) 6-5-7 to 25-4-13, Exterior(2R) 25-4-13 to 38-1-3, Interior(1) 38-1-3 to 57-0-9, Exterior(2E) 57-0-9 to 63-4-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
 - 5) All plates are 4x5 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 23.0psf on the bottom chord in 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 at joint(s) 1, 11.

Continued on page 2



November 9, 2022

Job J1128349B	Truss A08	Truss Type Common	PRMU20221586	Qty 2	Ply 1	BRC Family LLC	I14526174
Job Reference (optional)							

The Truss Company (Sumner),
Sumner, WA - 98390,
8.530 s Aug 11 2022 MiTek Industries, Inc.
Tue Nov 8 15:59:03 2022
Page 2
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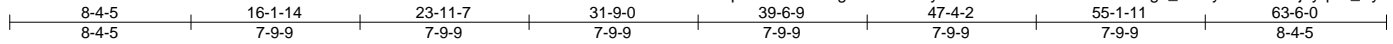
- NOTES-** (12)
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=107, 11=113, 17=175.
- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 11) This truss has been designed for a moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 12) All dimensions given in feet-inches-sixteenths (FFI/ISS) format.

Job J1128349B	Truss A09	Truss Type Common	PRMU20221586	Qty 6	Ply 1	BRC Family LLC	I14526175
Job Reference (optional)							

The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:05 2022 Page 1

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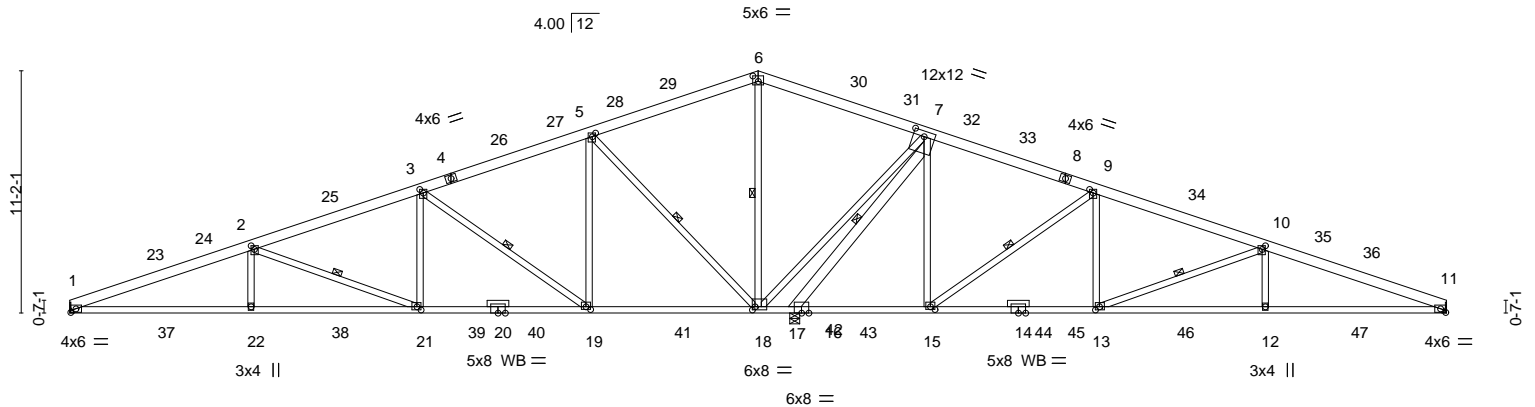


Plate Offsets (X,Y)--	[1:0-2-14,0-2-0], [2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-2-0,0-1-12], [6:0-3-0,0-3-0], [7:0-6-0,0-3-0], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [11:0-2-14,0-2-0], [13:0-2-4,0-1-12], [15:0-2-8,0-1-8], [18:0-1-8,0-1-12], [19:0-2-8,0-1-8], [21:0-2-4,0-1-12]
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LOADING (psf)	SPACING-	CS.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.41	Vert(LL)	-0.27 21-22	>999	360	MT20	185/148
TCDL 15.0	Plate Grip DOL 1.15	BC 0.94	Vert(CT)	-0.47 21-22	>839	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.93	Horz(CT)	0.09 11	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-SH					Weight: 375 lb	FT = 20%
	Code IBC2018/TPI2014							

LUMBER-	BRACING-
TOP CHORD 2x6 DF SS	TOP CHORD Structural wood sheathing directly applied or 4-5-7 oc purlins.
BOT CHORD 2x4 DF No.1&Btr	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 HF No.2 *Except*	WEBS 1 Row at midpt 6-18, 9-15, 10-13, 5-18, 3-19, 2-21, 7-17
7-18,5-18: 2x4 DF No.1&Btr, 9-13,10-12,3-21,2-22: 2x4 DF Stud	
7-17: 2x6 DF 2400F 2.0E	
OTHERS 2x4 DF Stud	

REACTIONS. (size) 1=Mechanical, 11=Mechanical, 17=0-5-8
Max Horz 1=-122(LC 13)
Max Uplift 1=-107(LC 12), 11=-113(LC 13), 17=-175(LC 8)
Max Grav 1=1327(LC 3), 11=1089(LC 19), 17=4515(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2922/248, 2-3=-1732/185, 3-5=-562/326, 5-6=0/1425, 6-7=0/1423, 7-9=-32/802, 9-10=-1050/203, 10-11=-2264/267
BOT CHORD 1-22=-306/2688, 21-22=-306/2688, 19-21=-174/1544, 18-19=-254/452, 17-18=-3799/395, 15-17=-707/129, 13-15=-68/896, 12-13=-201/2063, 11-12=-201/2063
WEBS 6-18=-1344/126, 7-18=-267/3691, 7-15=-27/1119, 9-15=-1481/154, 9-13=0/784, 10-13=-1286/145, 10-12=0/464, 5-18=-2083/200, 5-19=-24/1233, 3-19=-1453/155, 3-21=0/743, 2-21=-1256/142, 2-22=0/467, 7-17=-5210/440

- NOTES-** (12)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-4 to 6-5-7, Interior(1) 6-5-7 to 25-4-13, Exterior(2R) 25-4-13 to 38-1-3, Interior(1) 38-1-3 to 57-0-9, Exterior(2E) 57-0-9 to 63-4-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
 - 5) All plates are 4x5 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 23.0psf on the bottom chord in 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) Refer to girder(s) for truss to truss connections.

Continued on page 2



November 9,2022

Job J1128349B	Truss A09	Truss Type Common	PRMU20221586	Qty 6	Ply 1	BRC Family LLC	I14526175
Job Reference (optional)							

The Truss Company (Sumner),
Sumner, WA - 98390,
8.530 s Aug 11 2022 MiTek Industries, Inc.
Tue Nov 8 15:59:05 2022
Page 2
ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-MBOChRJYtDQTBQBg3_0JrAyeaCkRBWjnyqR3_AyLBxK

- NOTES-** (12)
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=107, 11=113, 17=175.
- 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 12) All dimensions given in feet-inches-sixteenths (FFI/SS) format.

Job J1128349B	Truss A10	Truss Type Common	PRMU20221586	Qty 4	Ply 1	BRC Family LLC	I14526176
Job Reference (optional)							

The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:07 2022 Page 1

ID:8pwdBHssSJtKgvzYbzoM2yPvaF-laWz66LoPqgBRJL3BO2nwb2zJ0QQfQa4P8wA23yLBxl

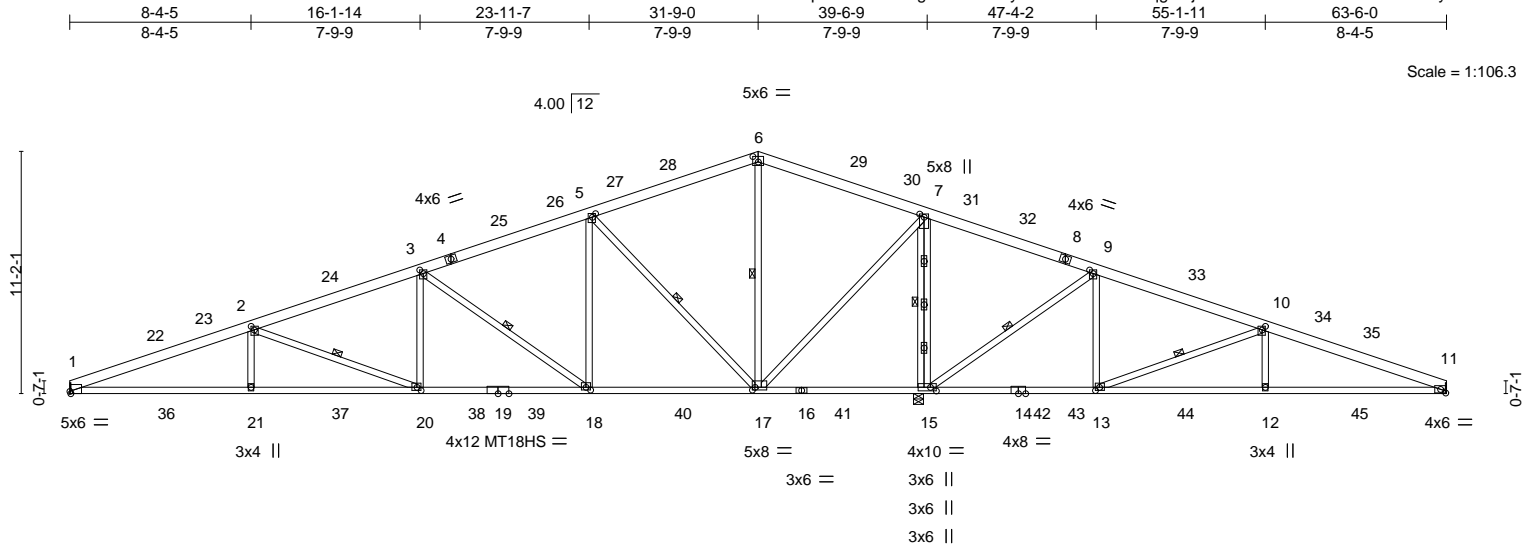


Plate Offsets (X,Y)--	[1:0-0-8,Edge], [2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-2-0,0-1-12], [6:0-3-0,0-3-0], [7:0-1-12,0-2-8], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [11:0-2-14,0-2-0], [13:0-2-4,0-1-12], [15:0-3-4,0-2-0], [17:0-1-8,0-1-8], [18:0-2-8,0-1-8], [20:0-2-4,0-1-12]
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LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.46	Vert(LL)	-0.25 18-20	>999	360	MT20	185/148
TCDL 15.0	Plate Grip DOL 1.15	BC 0.91	Vert(CT)	-0.48 20-21	>983	240	MT18HS	220/195
BCLL 0.0 *	Lumber DOL 1.15	WB 0.91	Horz(CT)	0.09 15	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-SH					Weight: 360 lb	FT = 20%
	Code IBC2018/TPI2014							

LUMBER-
TOP CHORD 2x6 DF SS
BOT CHORD 2x4 DF 2400F 2.0E *Except*
14-16,16-19: 2x4 DF No.1&Btr
WEBS 2x4 HF No.2 *Except*
7-17,5-17: 2x4 DF No.1&Btr, 9-13,10-12,3-20,2-21: 2x4 DF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-7-0 oc bracing.
WEBS 1 Row at midpt 6-17, 7-15, 9-15, 10-13, 5-17, 3-18, 2-20

REACTIONS. (size) 1=Mechanical, 15=0-5-8, 11=Mechanical
Max Horz 1=122(LC 16)
Max Uplift 1=124(LC 8), 15=-174(LC 9), 11=-93(LC 13)
Max Grav 1=1707(LC 3), 15=4647(LC 2), 11=628(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4019/319, 2-3=-2848/259, 3-5=-1622/211, 5-6=-278/228, 7-9=-84/2327,
9-10=-98/1165, 10-11=-927/313
BOT CHORD 1-21=-350/3724, 20-21=-350/3724, 18-20=-220/2619, 17-18=-95/1463, 15-17=-2182/251,
13-15=-1061/146, 12-13=-222/806, 11-12=-222/806
WEBS 6-17=-653/65, 7-17=-192/3071, 7-15=-3428/353, 9-15=-1510/156, 9-13=0/790,
10-13=-1364/151, 10-12=0/469, 5-17=-2031/200, 5-18=-24/1189, 3-18=-1447/154,
3-20=0/732, 2-20=-1192/139, 2-21=0/465

- NOTES-** (13)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-4 to 6-5-7, Interior(1) 6-5-7 to 25-4-13, Exterior(2R) 25-4-13 to 38-1-3, Interior(1) 38-1-3 to 57-0-9, Exterior(2E) 57-0-9 to 63-4-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
 - 5) All plates are MT20 plates unless otherwise indicated.
 - 6) All plates are 4x5 MT20 unless otherwise indicated.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 23.0psf on the bottom chord in 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) Refer to girder(s) for truss to truss connections.

Continued on page 2



November 9,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component
Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job	Truss	Truss Type	Qty	Ply	BRC Family LLC	I14526176
J1128349B	A10	Common	4	1	Job Reference (optional)	

The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:07 2022 Page 2
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NOTES- (13)

- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 1=124, 15=174.
- 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 13) All dimensions given in feet-inches-sixteenths (FFI/SS) format.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult

ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component

Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

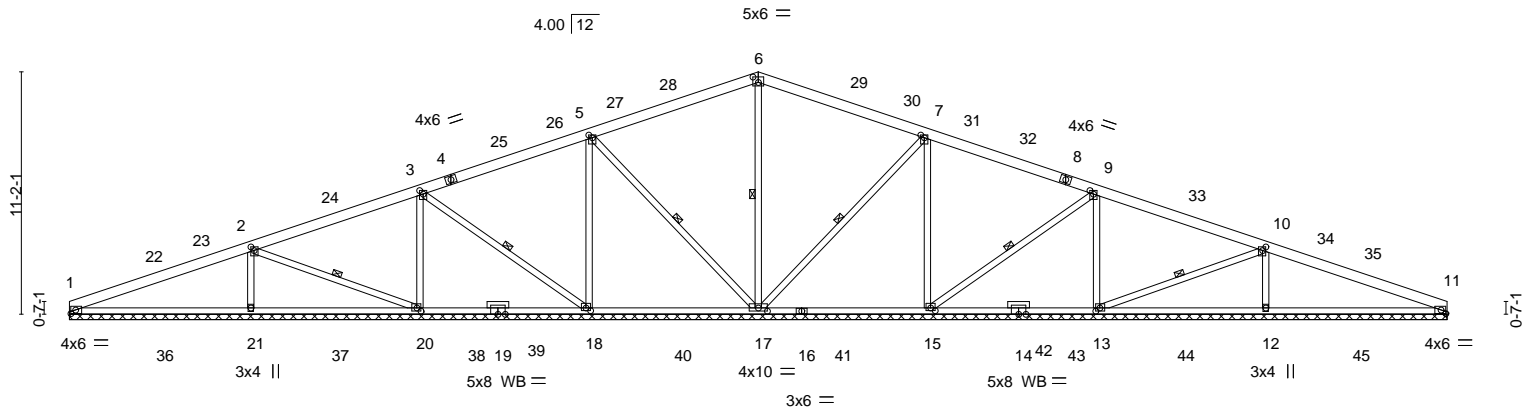


theTRUSSCO. INC.

Job J1128349B	Truss A11	Truss Type Common	PRMU20221586	Qty 2	Ply 1	BRC Family LLC	I14526177
The Truss Company (Sumner), Sumner, WA - 98390,							8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:09 2022 Page 1
							ID:8pwdBHssJtKgvzrYbzoM2yPvaF-FyejXoN2xRxvg1URlp5F?07Lmp8x7LgMtRPG7xyLBxG
							Job Reference (optional)

8-4-5	16-1-14	23-11-7	31-9-0	39-6-9	47-4-2	55-1-11	63-6-0
8-4-5	7-9-9	7-9-9	7-9-9	7-9-9	7-9-9	7-9-9	8-4-5

Scale = 1:106.2



8-4-5	16-1-14	23-11-7	31-9-0	39-6-9	47-4-2	55-1-11	63-6-0
8-4-5	7-9-9	7-9-9	7-9-9	7-9-9	7-9-9	7-9-9	8-4-5

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	0.36	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.78	Vert(CT)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.01	11	n/a	n/a		
BCLL	0.0	Code IBC2018/TPI2014		Matrix-SH							Weight: 349 lb	FT = 20%
BCDL	10.0											

LUMBER-	BRACING-
TOP CHORD 2x6 DF SS	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 DF No.1&Btr	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 HF No.2 *Except*	WEBS 1 Row at midpt 6-17, 7-17, 9-15, 10-13, 5-17, 3-18, 2-20
9-13,10-12,3-20,2-21: 2x4 DF Stud	
OTHERS 2x4 DF Stud	

REACTIONS. All bearings 63-6-0.
 (lb) - Max Horz 1=122(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 17, 15, 13, 12, 18, 20, 21, 11
 Max Grav All reactions 250 lb or less at joint(s) except 1=479(LC 35), 17=1068(LC 4), 15=921(LC 4), 13=750(LC 4), 12=955(LC 4), 18=921(LC 3), 20=750(LC 3), 21=955(LC 3), 11=479(LC 43)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 6-17=-638/79, 7-15=-694/97, 9-13=-541/99, 10-12=-754/144, 5-18=-694/102, 3-20=-541/109, 2-21=-754/155

- NOTES-** (12)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 6-4-3, Interior(1) 6-4-3 to 25-4-13, Exterior(2R) 25-4-13 to 38-1-3, Interior(1) 38-1-3 to 57-1-13, Exterior(2E) 57-1-13 to 63-6-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
 - 5) All plates are 4x5 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 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 23.0psf on the bottom chord in 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) 1, 17, 15, 13, 12, 18, 20, 21, 11.
 - 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.



November 9,2022

Continued on page 2

Job J1128349B	Truss A11	Truss Type Common	PRMU20221586	Qty 2	Ply 1	BRC Family LLC	I14526177
Job Reference (optional)							

The Truss Company (Sumner),
Sumner, WA - 98390,
8.530 s Aug 11 2022
MiTek Industries, Inc.
Tue Nov 8 15:59:09 2022
Page 2
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- NOTES-** (12)
- 11) This truss has been designed for a moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 12) All dimensions given in feet-inches-sixteenths (FFIISS) format.

Job J1128349B	Truss B01	Truss Type GABLE	PRMU20221586	Qty 3	Ply 1	BRC Family LLC	I14526178
The Truss Company (Sumner), Sumner, WA - 98390,							8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:11 2022 Page 1
ID:8pwdBHssSJtKgvrYbzoM2yPvaF-BLIUxUOJT3BcvLeqQE7j5RCILdrvbNPfKluNBqyLBxE							Job Reference (optional)

0-7-4 4-6-4 10-2-0 15-9-11 20-3-15 20-11-3
0-7-4 4-6-4 5-7-12 5-7-11 4-6-4 0-7-4

5x6 =

Scale = 1:43.2

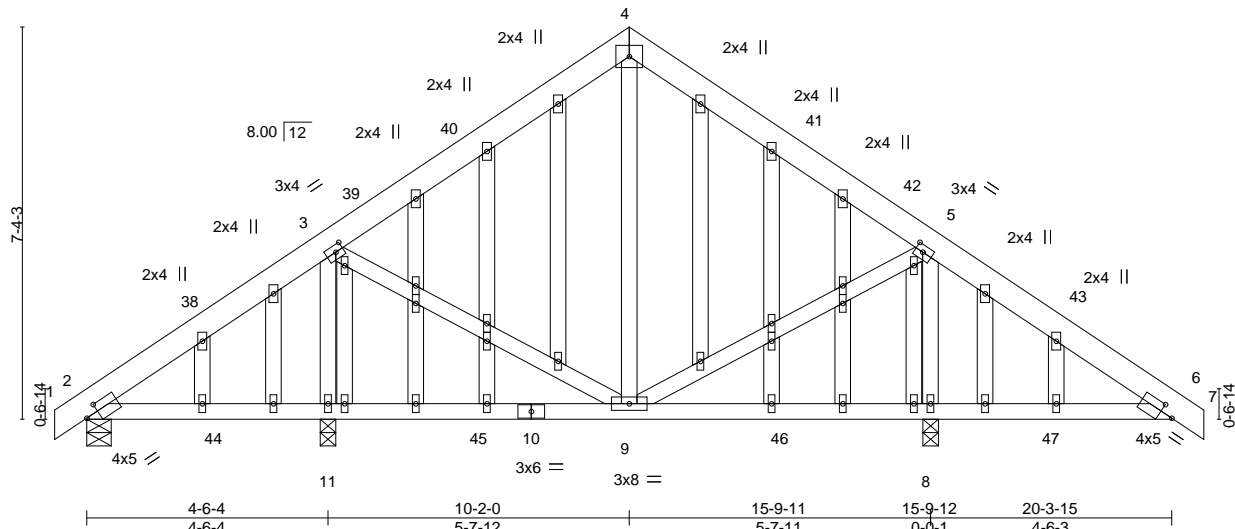


Plate Offsets (X,Y)-- [2:0-2-14,0-1-12], [3:0-1-12,0-1-8], [5:0-1-12,0-1-8], [6:0-2-14,0-1-12], [25:0-0-0,0-0-0], [29:0-0-0,0-0-0], [29:0-0-0,0-0-0], [32:0-0-0,0-0-0], [32:0-0-0,0-0-0], [33:0-0-0,0-0-0]

LOADING (psf)	SPACING-	CS.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.20	Vert(LL)	-0.12	8-9	>999	MT20	185/148
TCDL 15.0	Plate Grip DOL 1.15	BC 0.68	Vert(CT)	-0.16	9-11	>869		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.28	Horz(CT)	-0.01	8	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-SH					Weight: 166 lb	FT = 20%
	Code IBC2018/TPI2014							

LUMBER-
TOP CHORD 2x6 DF SS
BOT CHORD 2x4 HF No.2
WEBS 2x4 DF Stud
OTHERS 2x4 DF Stud

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

REACTIONS. (size) 2=0-5-8, 8=0-3-8, 11=0-3-8
Max Horz 2=121(LC 11)
Max Uplift 2=-29(LC 13), 8=-75(LC 13), 11=-69(LC 12)
Max Grav 2=418(LC 32), 8=1273(LC 20), 11=814(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-441/82, 4-5=-401/78, 5-6=-160/737
BOT CHORD 8-9=-558/151, 6-8=-558/151
WEBS 5-9=-56/600, 5-8=-1159/207, 3-11=-708/110

- NOTES-** (13)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-7-4 to 2-4-12, Interior(1) 2-4-12 to 7-2-0, Exterior(2R) 7-2-0 to 13-2-0, Interior(1) 13-2-0 to 17-11-3, Exterior(2E) 17-11-3 to 20-11-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 16.0 psf or 1.00 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 1-4-0 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 23.0psf on the bottom chord in 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) 2, 8, 11.
 - 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
 - 13) All dimensions given in feet-inches-sixteenths (FPIISS) format.



November 9,2022

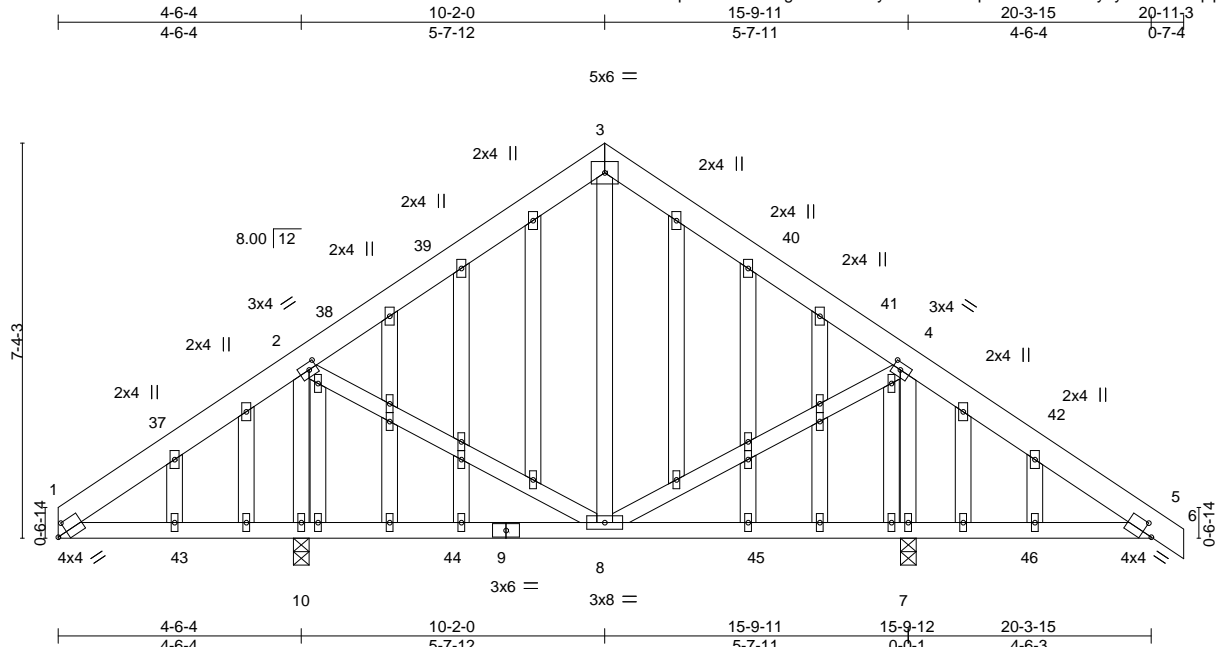
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job J1128349B	Truss B01A	Truss Type GABLE	PRMU20221586	Qty 1	Ply 1	BRC Family LLC	I14526179
Job Reference (optional)							

The Truss Company (Sumner), Sumner, WA - 98390,

8,530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:12 2022 Page 1
ID:8pwdBHssSJtKgvrYbzoM2yPvaF-fXJs9qPxEMJTXVD0zyeydftt51B9KqspZPdwjGyLBxD



Scale = 1:42.9

Plate Offsets (X,Y)-- [1:0-2-3,0-2-5], [2:0-1-12,0-1-8], [4:0-1-12,0-1-8], [5:0-2-3,0-2-5], [24:0-0-0,0-0-0], [28:0-0-0,0-0-0], [28:0-0-0,0-0-0], [31:0-0-0,0-0-0], [31:0-0-0,0-0-0], [32:0-0-0,0-0-0], [34:0-0-0,0-0-0], [36:0-0-0,0-0-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	Plate Grip DOL	1.15	TC 0.20	Vert(LL)	-0.12	8-10	>999	360	MT20	185/148
TCDL 15.0	Lumber DOL	1.15	BC 0.68	Vert(CT)	-0.16	8-10	>869	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.26	Horz(CT)	-0.01	7	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014		Matrix-SH						Weight: 164 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF SS
BOT CHORD 2x4 HF No.2
WEBS 2x4 DF Stud
OTHERS 2x4 DF Stud

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

REACTIONS. (size) 7=0-3-8, 10=0-3-8
Max Horz 10=-119(LC 8)
Max Uplift 7=-65(LC 13), 10=-54(LC 12)
Max Grav 7=1220(LC 20), 10=1139(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-132/704, 2-3=-357/102, 3-4=-348/101, 4-5=-159/737
BOT CHORD 1-10=-530/120, 8-10=-530/128, 7-8=-558/150, 5-7=-558/150
WEBS 3-8=-280/81, 4-8=-26/580, 4-7=-1106/176, 2-8=-1/549, 2-10=-1025/149

- NOTES-** (13)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-2-0, Exterior(2R) 7-2-0 to 13-2-0, Interior(1) 13-2-0 to 17-11-3, Exterior(2E) 17-11-3 to 20-11-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 16.0 psf or 1.00 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 1-4-0 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 23.0psf on the bottom chord in 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) 7, 10.
 - 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
 - 13) All dimensions given in feet-inches-sixteenths (FPIISS) format.



November 9,2022

Job J1128349B	Truss B02	Truss Type Common	PRMU20221586	Qty 6	Ply 1	BRC Family LLC	I14526180
Job Reference (optional)							

The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:14 2022 Page 1

ID:8pwdBHssJtKgvrYbzom2yPvaF-bwRcaWQBm_ZBnoNP5NhQi4qDbqtok950j61o9yLBxB

0-7-4 4-6-4 10-2-0 15-9-11 20-3-15 20-11-3
0-7-4 4-6-4 5-7-12 5-7-11 4-6-4 0-7-4

5x6 =

Scale = 1:43.6

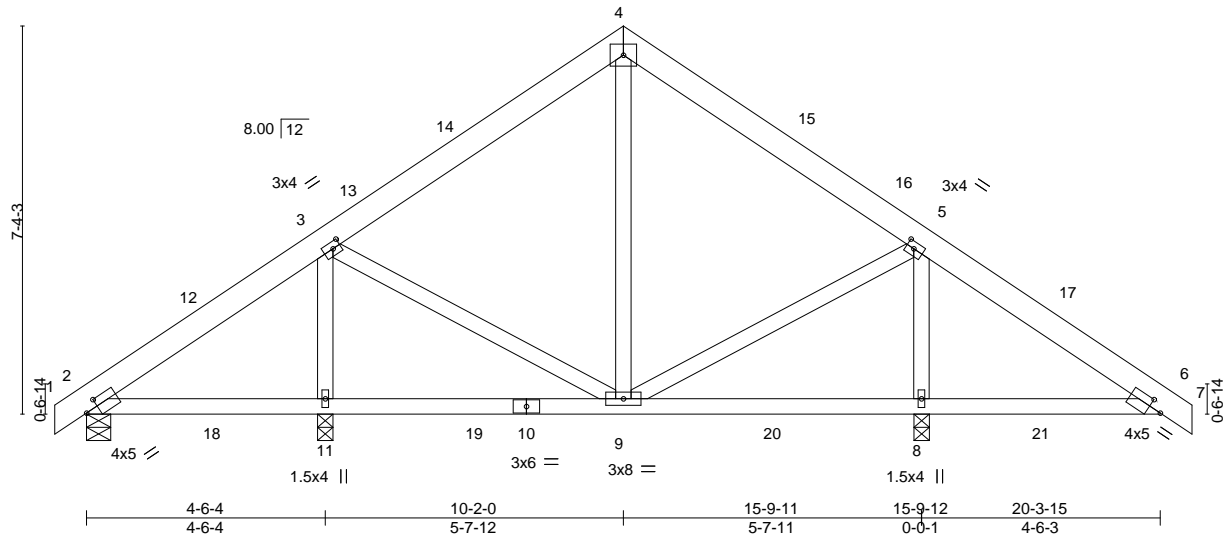


Plate Offsets (X,Y)-- [2:0-2-14,0-1-12], [3:0-1-12,0-1-8], [5:0-1-12,0-1-8], [6:0-2-14,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.20	Vert(LL)	-0.12	8-9	>999	MT20	185/148
TCDL 15.0	Plate Grip DOL 1.15	BC 0.68	Vert(CT)	-0.16	9-11	>869		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.28	Horz(CT)	-0.01	8	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-SH					Weight: 113 lb	FT = 20%
	Code IBC2018/TPI2014							

LUMBER-
TOP CHORD 2x6 DF SS
BOT CHORD 2x4 HF No.2
WEBS 2x4 DF Stud

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

REACTIONS. (size) 2=0-5-8, 8=0-3-8, 11=0-3-8
Max Horz 2=121(LC 11)
Max Uplift 2=-29(LC 13), 8=-75(LC 13), 11=-69(LC 12)
Max Grav 2=418(LC 32), 8=1273(LC 20), 11=814(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-441/82, 4-5=-401/78, 5-6=-160/737
BOT CHORD 8-9=-558/151, 6-8=-558/151
WEBS 5-9=-56/600, 5-8=-1159/207, 3-11=-708/110

- NOTES-** (10)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-7-4 to 2-4-12, Interior(1) 2-4-12 to 7-2-0, Exterior(2R) 7-2-0 to 13-2-0, Interior(1) 13-2-0 to 17-11-3, Exterior(2E) 17-11-3 to 20-11-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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=1.00; 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 16.0 psf or 1.00 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 23.0psf on the bottom chord in 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) 2, 8, 11.
 - 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
 - 10) All dimensions given in feet-inches-sixteenths (FFI/ISS) format.



November 9,2022

Job J1128349B	Truss B02A	Truss Type COMMON	PRMU20221586	Qty 2	Ply 1	BRC Family LLC	I14526181
Job Reference (optional)							

The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:15 2022 Page 1
ID:8pwdBHssSJtKgvrYbzom2yPvaF-36?_nrRpXHh2Oyybf4CfHFNOKEDsXBcFFNsbyLBxA

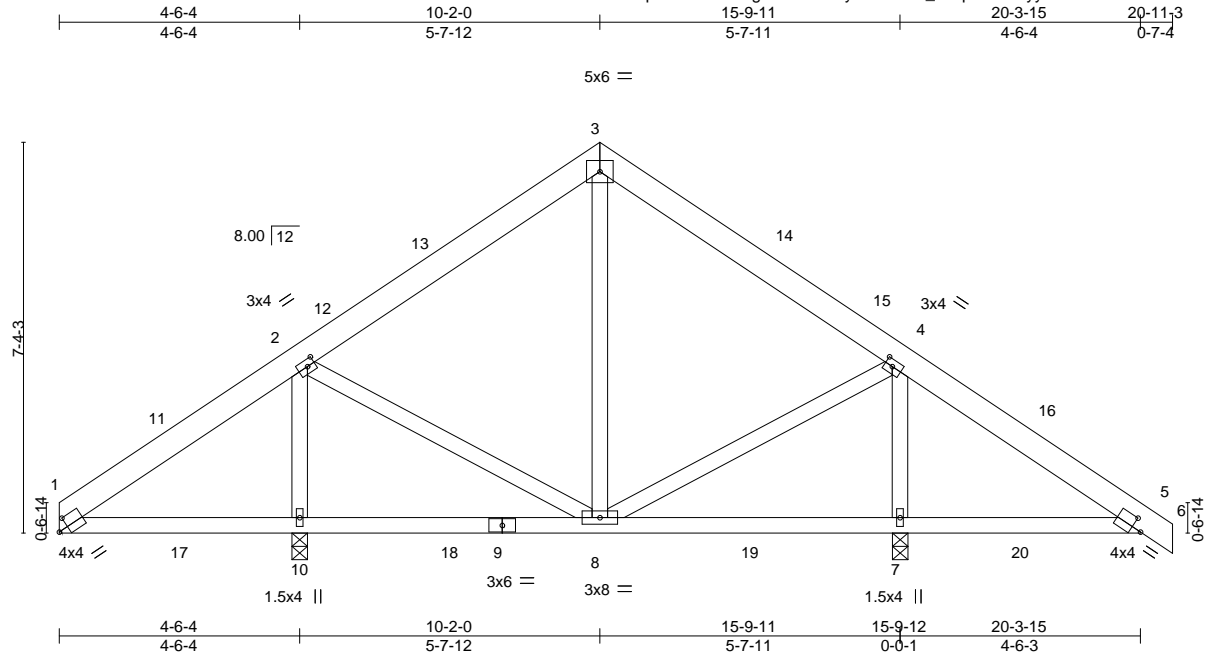


Plate Offsets (X,Y)-- [1:0-2-3,0-2-5], [2:0-1-12,0-1-8], [4:0-1-12,0-1-8], [5:0-2-3,0-2-5]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.20	in (loc) l/defl L/d	MT20	185/148
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.68	Vert(LL) -0.12 8-10 >999 360		
TCDL 15.0	Lumber DOL 1.15	WB 0.26	Vert(CT) -0.16 8-10 >869 240		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-SH	Horz(CT) -0.01 7 n/a n/a		
BCDL 10.0	Code IBC2018/TPI2014			Weight: 111 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF SS
BOT CHORD 2x4 HF No.2
WEBS 2x4 DF Stud

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

REACTIONS. (size) 7=0-3-8, 10=0-3-8
Max Horz 10=-119(LC 8)
Max Uplift 7=-65(LC 13), 10=-54(LC 12)
Max Grav 7=1220(LC 20), 10=1139(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-132/704, 2-3=-357/102, 3-4=-348/101, 4-5=-159/737
BOT CHORD 1-10=-530/120, 8-10=-530/128, 7-8=-558/150, 5-7=-558/150
WEBS 3-8=-280/81, 4-8=-26/580, 4-7=-1106/176, 2-8=-1/549, 2-10=-1025/149

- NOTES-** (10)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-2-0, Exterior(2R) 7-2-0 to 13-2-0, Interior(1) 13-2-0 to 17-11-3, Exterior(2E) 17-11-3 to 20-11-3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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=1.00; 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 16.0 psf or 1.00 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 23.0psf on the bottom chord in 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) 7, 10.
 - 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
 - 10) All dimensions given in feet-inches-sixteenths (FFI/SS) format.



November 9, 2022

Job J1128349B	Truss B03	Truss Type COMMON GIRDER	Qty 3	Ply 3	BRC Family LLC	114526182
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The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:17 2022 Page 1

ID:8pwdBHssSJtKgzrYbzoM2yPvaF-0V6lCXT33vxmeG5_mVE7KiSmW20L?58YihLhPUyLBx8

PRMU20221586

0-7-4 4-6-4 10-2-0 15-9-12 20-4-0
0-7-4 4-6-4 5-7-12 5-7-12 4-6-4

5x6 =

Scale = 1:47.2

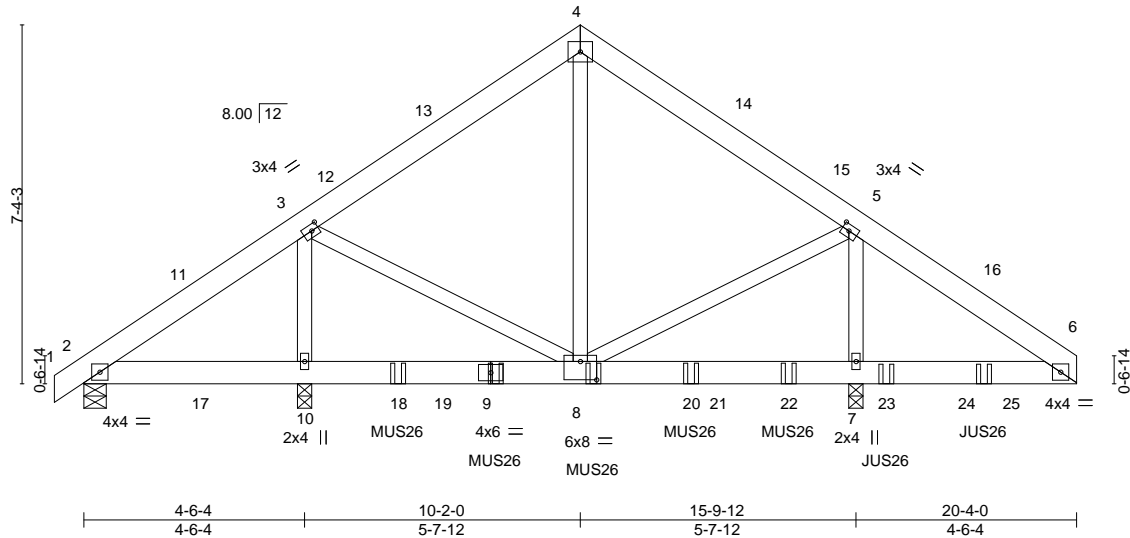


Plate Offsets (X,Y)-- [3:0-1-12,0-1-8], [5:0-1-12,0-1-8], [8:0-4-0,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.09	in (loc) l/defl L/d	MT20	220/195
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.23	Vert(LL) -0.02 8-10 >999 360		
TCDL 15.0	Lumber DOL 1.15	WB 0.26	Vert(CT) -0.04 8-10 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-SH	Horz(CT) -0.00 7 n/a n/a		
BCDL 10.0	Code IBC2018/TPI2014			Weight: 391 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF SS
BOT CHORD 2x6 DF SS
WEBS 2x4 DF Stud

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

REACTIONS. (size) 2=0-5-8, 7=0-3-8, 10=0-3-8
Max Horz 2=119(LC 9)
Max Uplift 2=-79(LC 47), 7=-516(LC 11), 10=-297(LC 10)
Max Grav 2=350(LC 30), 7=5956(LC 18), 10=3215(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-325/72, 3-4=-1798/201, 4-5=-1773/194, 5-6=-92/1082
BOT CHORD 7-8=-798/100, 6-7=-798/100
WEBS 4-8=-213/1368, 5-8=-159/2337, 5-7=-3164/299, 3-8=-98/1373, 3-10=-1911/224

- NOTES-** (15)
- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 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.
 - Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum 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 16.0 psf or 1.00 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 23.0psf on the bottom chord in 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) 2 except (jt=lb) 7=516, 10=297.
 - 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
 - Use MiTek MUS26 (With 6-10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 6-5-4 from the left end to 14-5-4 to connect truss(es) to back face of bottom chord.
 - Use MiTek JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 16-5-4 from the left end to 18-5-4 to connect truss(es) to back face of bottom chord.



November 9, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job	Truss	Truss Type	Qty	Ply	BRC Family LLC	I14526182
J1128349B	B03	COMMON GIRDER	3	3	Job Reference (optional)	

The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:17 2022 Page 2
ID:8pwdBHssSJtKgvrYbzoM2yPvaF-0V6lCXT33vxmeG5_mVE7KiSmW20L?58YihLhPUyLBx8

- NOTES-** (15)
- 14) Fill all nail holes where hanger is in contact with lumber.
- 15) All dimensions given in feet-inches-sixteenths (FFI/SS) format.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-80, 4-6=-80, 2-6=-20

Concentrated Loads (lb)

Vert: 9=-1026(B) 8=-1026(B) 18=-1026(B) 20=-1026(B) 22=-1026(B) 23=-941(B) 25=-941(B)

PRMU20221586

Job J1128349B	Truss B03A	Truss Type COMMON GIRDER	Qty 1	Ply 3	BRC Family LLC	114526183
The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:19 2022 Page 1 ID:8pwdBHssSJtKgvrYbzoM2yPvaF-ytEVdDUKaWBUIZFmUwGcP7Y6prggT_arA?qoTMyLBx6						

PRMU20221586

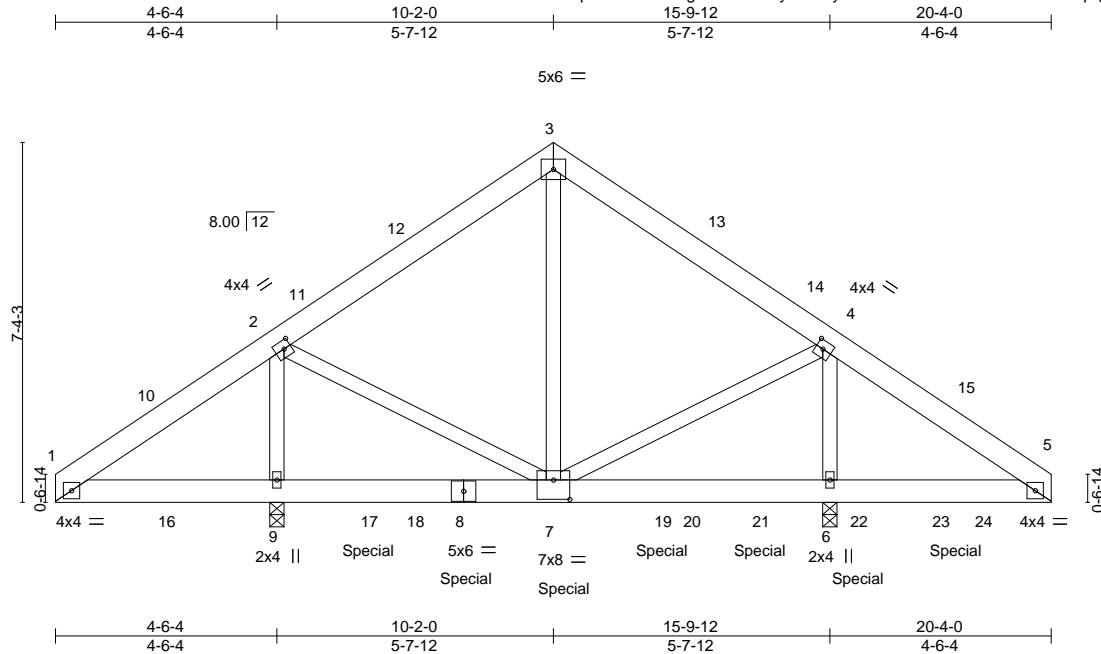


Plate Offsets (X,Y)-- [2:0-1-12,0-2-0], [4:0-1-12,0-2-0], [7:0-4-0,0-4-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.10	Vert(LL) -0.03	7-9	>999	360	MT20	220/195
TCDL 15.0	Plate Grip DOL 1.15	BC 0.31	Vert(CT) -0.06	7-9	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.33	Horz(CT) -0.00	6	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-SH					Weight: 386 lb	FT = 20%
	Code IBC2018/TPI2014							

LUMBER-
TOP CHORD 2x6 DF SS
BOT CHORD 2x6 DF SS
WEBS 2x4 DF Stud

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

REACTIONS. (size) 6=0-3-8 (req. 0-4-3), 9=0-3-8
Max Horz 9=115(LC 9)
Max Uplift 6=-746(LC 11), 9=-346(LC 10)
Max Grav 6=7605(LC 17), 9=3990(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-301/498, 2-3=-2148/251, 3-4=-2166/253, 4-5=-136/1371
BOT CHORD 1-9=-386/182, 7-9=-386/236, 6-7=-985/134, 5-6=-985/134
WEBS 3-7=-309/1822, 4-7=-267/2943, 4-6=-3870/398, 2-7=-136/1711, 2-9=-2346/229

- NOTES-** (13)
- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 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.
 - Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 23.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - WARNING: Required bearing size at joint(s) 6 greater than input bearing size.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=746, 9=346.
 - 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1339 lb down and 149 lb up at 6-4-13, 1339 lb down and 149 lb up at 8-4-13, 1339 lb down and 149 lb up at 10-4-13, 1339 lb down and 149 lb up at 12-4-13, 1339 lb down and 149 lb up at 14-4-13, and 1332 lb down and 159 lb up at 16-4-13, and 1332 lb down and 159 lb up at 18-4-13 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

On all dimensions given in feet-inches-sixteenths (FII/SS) format.



November 9, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
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Job	Truss	Truss Type	Qty	Ply	BRC Family LLC	I14526183
J1128349B	B03A	COMMON GIRDER	1	3	Job Reference (optional)	

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-80, 3-5=-80, 1-5=-20

Concentrated Loads (lb)

Vert: 8=-1326(B) 7=-1326(B) 17=-1326(B) 19=-1326(B) 21=-1326(B) 22=-1332(B) 24=-1332(B)

PRMU20221586

Job J1128349B	Truss C01	Truss Type GABLE	Qty 2	Ply 2	BRC Family LLC	I14526184
Job Reference (optional)						

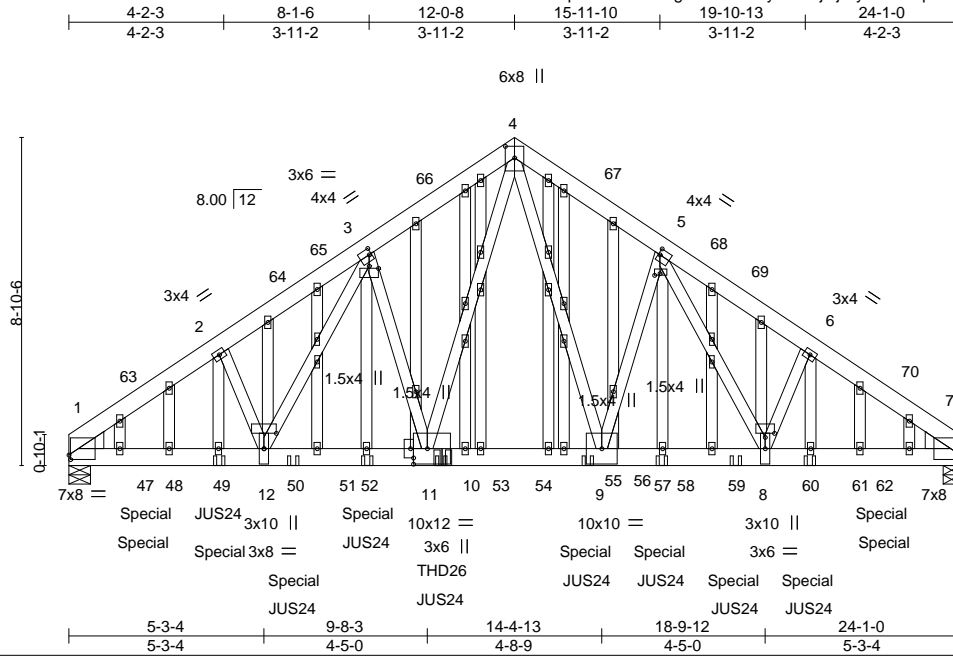
The Truss Company (Sumner),

Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:27 2022 Page 1

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PRMU20221586



Scale = 1:62.3

Plate Offsets (X,Y)-- [1:0-0-8,0-1-8], [3:0-3-0,0-0-1-1], [3:0-0-12,0-2-0], [4:0-3-12,0-3-0], [5:0-1-12,0-0-9], [5:0-0-8,0-2-0], [7:0-0-8,0-1-8], [8:0-3-0,0-1-5], [10:0-4-8,0-5-0], [12:0-4-0,0-5-0], [22:0-3-0,0-1-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.33	Vert(LL) -0.12	8-9	>999	360	MT20	185/148
TCDL 15.0	Plate Grip DOL 1.15	BC 0.77	Vert(CT) -0.21	8-9	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.56	Horz(CT) 0.08	7	n/a	n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-SH					Weight: 453 lb	FT = 20%
	Code IBC2018/TPI2014							

LUMBER-
TOP CHORD 2x6 DF SS
BOT CHORD 2x6 DF SS
WEBS 2x4 DF Stud *Except*
4-11,4-9: 2x4 HF No.2
OTHERS 2x4 DF Stud
WEDGE
Left: 2x6 SP No.2, Right: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-7-0, 7=0-5-8
Max Horz 1=141(LC 56)
Max Uplift 1=896(LC 10), 7=888(LC 11)
Max Grav 1=8633(LC 3), 7=8566(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-12077/1155, 2-3=-11712/1184, 3-4=-9352/936, 4-5=-9378/939, 5-6=-11826/1200,
6-7=-12167/1169
BOT CHORD 1-12=-962/9418, 11-12=-765/8257, 9-11=-537/6385, 8-9=-719/8297, 7-8=-883/9545
WEBS 2-12=-157/790, 3-12=-423/3216, 3-11=-1948/307, 4-11=-540/5157, 4-9=-550/5237,
5-9=-2015/317, 5-8=-441/3340, 6-8=-156/705

- NOTES-** (20)
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 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.
 - Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 2x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 1-4-0 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 23.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

Continued on page 2



November 9,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
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Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job J1128349B	Truss C01	Truss Type GABLE	PRMU20221586	Qty 2	Ply 2	BRC Family LLC	I14526184
The Truss Company (Sumner), Sumner, WA - 98390,				8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:27 2022 Page 2 ID:8pwdBHssSJtKgvrYbzolM2yPvaF-jQjXiYaLizCLqosvMbPUkptPG4HDLZz00FmDlvyLBx_			

NOTES- (20)

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=896, 7=888.
- 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 14) Use MiTek THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent at 10-1-4 from the left end to connect truss(es) to front face of bottom chord.
- 15) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 3-11-8 oc max. starting at 4-0-12 from the left end to 20-0-4 to connect truss(es) to back face of bottom chord.
- 16) Fill all nail holes where hanger is in contact with lumber.
- 17) WARNING: The following hangers are manually applied but fail due to geometric considerations: JUS24 on back face at 8-0-12 from the left end, JUS24 on back face at 14-0-4 from the left end, JUS24 on back face at 16-0-4 from the left end.
- 18) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 65 lb down and 400 lb up at 2-0-0, 1295 lb down and 127 lb up at 2-1-4, and 1295 lb down and 127 lb up at 21-11-12, and 65 lb down and 400 lb up at 22-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 19) Studding applied to ply: 2(Back)
- 20) All dimensions given in feet-inches-sixteenths (FFI/ISS) format.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-7=-20, 1-4=-80, 4-7=-80

Concentrated Loads (lb)

Vert: 10=-1709(F=-1643, B=-66) 47=-1224(F=-1295, B=72) 49=-1362(F=-1295, B=-66) 50=-1362(F=-1295, B=-66) 52=-1709(F=-1643, B=-66) 56=-1709(F=-1643, B=-66) 57=-1709(F=-1643, B=-66) 59=-1362(F=-1295, B=-66) 60=-1362(F=-1295, B=-66) 62=-1224(F=-1295, B=72)



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

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Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

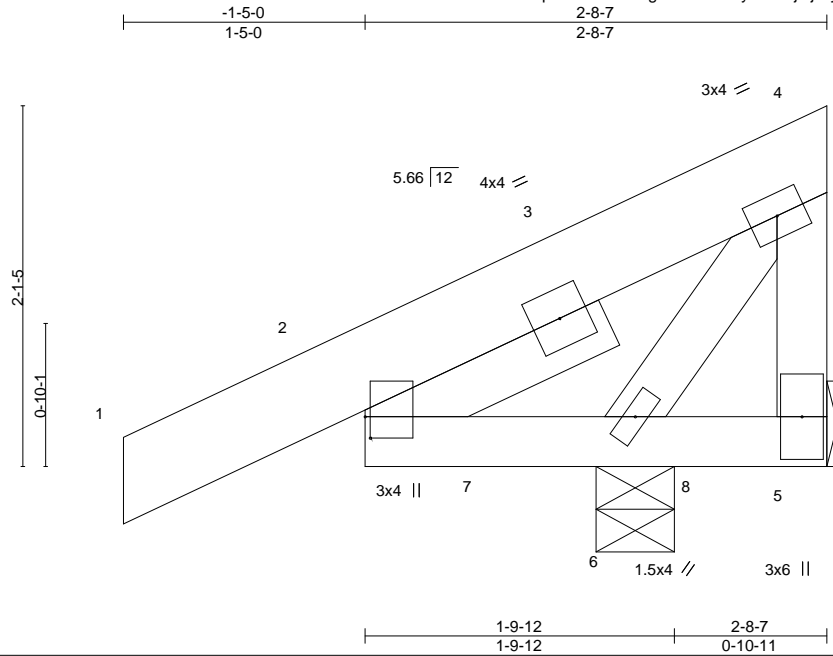


theTRUSSCO. INC.

Job J1128349B	Truss CGC	Truss Type Jack-Open Girder	Qty 4	Ply 1	BRC Family LLC	114526185
The Truss Company (Sumner), Sumner, WA - 98390,						Job Reference (optional)

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:27 2022 Page 1
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PRMU20221586



Scale = 1:13.5

Plate Offsets (X,Y)-- [2-0-1-8,0-0-6]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.19	Vert(LL)	-0.00	5-6	>999	360	MT20	185/148
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.16	Vert(CT)	0.00	5-6	>999	240		
TCDL 15.0	Lumber DOL 1.15	WB 0.19	Horz(CT)	0.00	n/a	n/a			
BCLL 0.0 *	Rep Stress Incr NO	Matrix-P							
BCDL 10.0	Code IBC2018/TPI2014								
								Weight: 19 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF SS
BOT CHORD 2x4 HF No.2
WEBS 2x4 DF Stud
SLIDER Left 2x4 DF Stud 1-6-5

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 5=Mechanical, 6=0-5-8
Max Horz 6=48(LC 12)
Max Uplift 5=-521(LC 29), 6=-48(LC 12)
Max Grav 5=190(LC 30), 6=991(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-294/680
BOT CHORD 2-6=-571/313
WEBS 4-6=-1040/407, 4-5=-194/476

- NOTES-** (11)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 18.3 psf or 1.00 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 23.0psf on the bottom chord in 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) 6 except (jt=lb) 5=521.
 - 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) This truss has been designed for a moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
 - 11) All dimensions given in feet-inches-sixteenths (FFI/ISS) format.



November 9,2022

Job J1128349B	Truss D1	Truss Type GABLE	Qty 2	Ply 1	BRC Family LLC	I14526186
Job Reference (optional)						

The Truss Company (Sumner),

Sumner, WA - 98390,

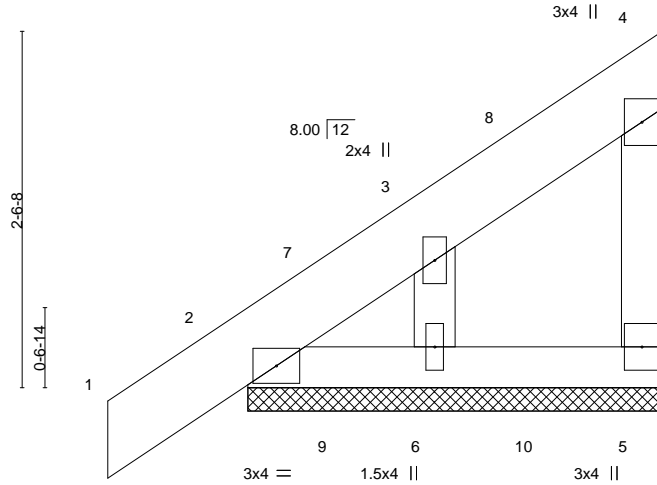
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PRMU20221586



Scale = 1:16.4



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.05	in (loc) l/defl L/d	MT20	185/148
TCDL 15.0	Plate Grip DOL 1.15	BC 0.16	Vert(LL) 0.00 1 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.05	Vert(CT) -0.00 1 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 5 n/a n/a		
	Code IBC2018/TPI2014			Weight: 17 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF SS
BOT CHORD 2x4 HF No.2
WEBS 2x4 DF Stud
OTHERS 2x4 DF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=2-11-8, 2=2-11-8, 6=2-11-8
Max Horz 2=58(LC 9)
Max Uplift 5=-10(LC 9), 2=-4(LC 12), 6=-27(LC 12)
Max Grav 5=332(LC 36), 2=369(LC 31), 6=371(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-312/31
WEBS 3-6=-317/97

- NOTES-** (13)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 16.0 psf or 1.00 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 1-4-0 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 23.0psf on the bottom chord in 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) 5, 2, 6.
 - 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
 - 13) All dimensions given in feet-inches-sixteenths (FFI/SS) format.



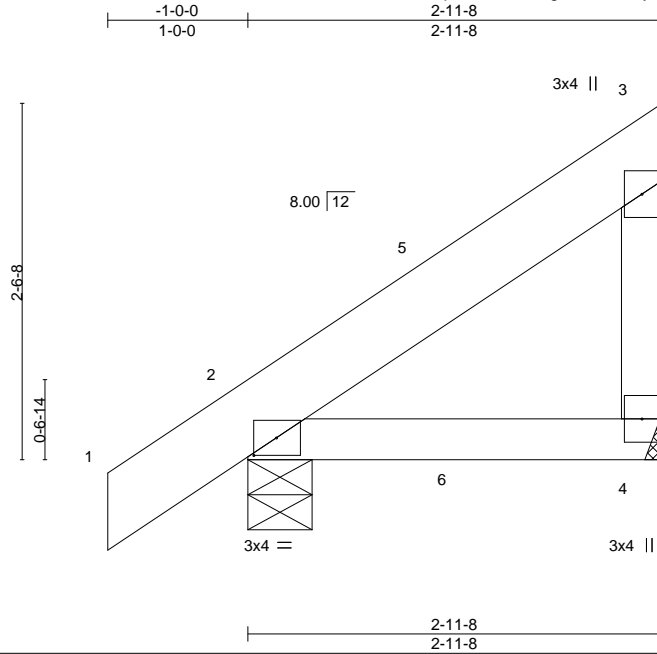
November 9, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
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Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job J1128349B	Truss D2	Truss Type MONOPITCH	Qty 3	Ply 1	BRC Family LLC	I14526187
The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:29 2022 Page 1 ID:8pwdBHssSjtKgvrYbzoM2yPvaF-forHjebEbS3460HT0SypEypit3RpaAJTZFKpnyLBwy						
Job Reference (optional)						

PRMU20221586



Scale = 1:16.4

Plate Offsets (X,Y)-- [2'-0-1-15,0-1-8]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0		TC 0.10	Vert(LL)	-0.02	2-4	>999	360	MT20	185/148
TCDL 15.0	Lumber DOL 1.15		BC 0.41	Vert(CT)	-0.03	2-4	>999	240		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014		Matrix-P						Weight: 17 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF SS
BOT CHORD 2x4 HF No.2
WEBS 2x4 DF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-5-8
Max Horz 2=58(LC 9)
Max Uplift 4=-16(LC 12), 2=-21(LC 12)
Max Grav 4=356(LC 29), 2=410(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=330/37

- NOTES-** (11)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 16.0 psf or 1.00 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 23.0psf on the bottom chord in 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) 4, 2.
 - 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) This truss has been designed for a moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
 - 11) All dimensions given in feet-inches-sixteenths (FFI/SS) format.



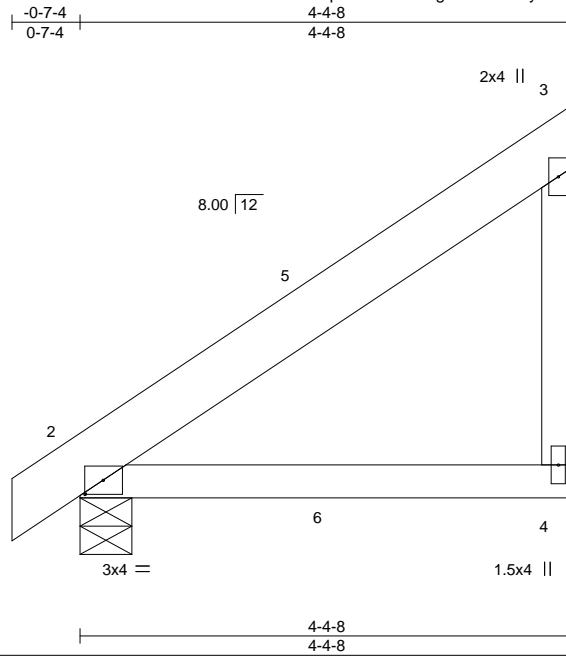
November 9, 2022

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Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job J1128349B	Truss EJB	Truss Type Jack-Open	Qty 22	Ply 1	BRC Family LLC	I14526188
The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:30 2022 Page 1						
ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-7?Pfx_dD?uawhGbT1kzBMSVznHK0Y0ESiD_tLEyLBwx						
Job Reference (optional)						

PRMU20221586



Scale = 1:20.4

Plate Offsets (X,Y)-- [2:0-1-15,0-1-8]

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 0.18 BC 0.70 WB 0.08 Matrix-P	Vert(LL) -0.08 Vert(CT) -0.12 Horz(CT) 0.00	2-4 2-4 n/a	>581 >415 n/a	360 240 n/a	MT20	185/148
TCDL 15.0	Rep Stress Incr YES						Weight: 22 lb	FT = 20%
BCLL 0.0 *	Code IBC2018/TPI2014							
BCDL 10.0								

LUMBER-
TOP CHORD 2x6 DF SS
BOT CHORD 2x4 HF No.2
WEBS 2x4 DF Stud

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

REACTIONS. (size) 2=0-5-8, 4=Mechanical
Max Horz 2=84(LC 12)
Max Uplift 4=44(LC 12)
Max Grav 2=427(LC 29), 4=397(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-4=357/93

- NOTES-** (11)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 16.0 psf or 1.00 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 23.0psf on the bottom chord in 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) 4.
 - 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) This truss has been designed for a moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
 - 11) All dimensions given in feet-inches-sixteenths (FFI/SS) format.



November 9, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
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Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job J1128349B	Truss EJB1	Truss Type GABLE	Qty 3	Ply 1	BRC Family LLC	I14526189
Job Reference (optional)						

The Truss Company (Sumner),

Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:30 2022 Page 1

ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-7?Pfx_dD?uawhGbT1kzBMSVznHK0Y0ESID_tLEyLBwx

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Scale = 1:20.4

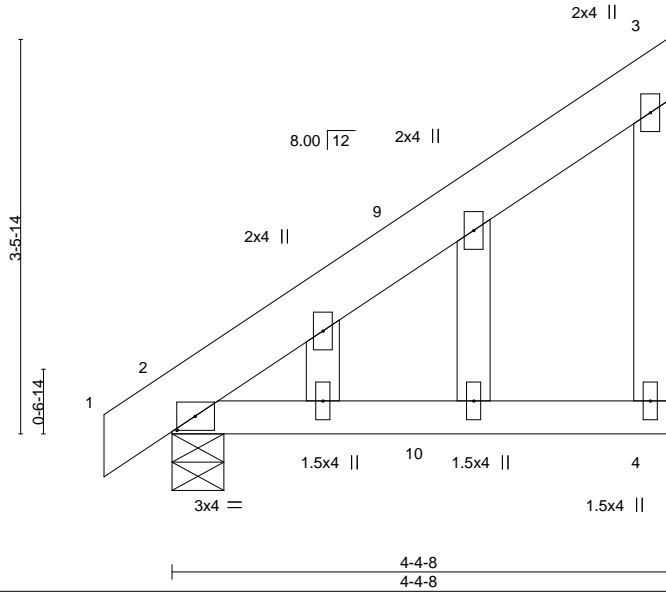


Plate Offsets (X,Y)-- [2:0-1-15,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	L/d	PLATES	GRIP
TCLL 25.0	2-0-0	TC 0.18	Vert(LL) -0.08	2-4	>581	MT20	185/148
(Roof Snow=25.0)	Plate Grip DOL 1.15	BC 0.70	Vert(CT) -0.12	2-4	>415		
TCDL 15.0	Lumber DOL 1.15	WB 0.08	Horz(CT) 0.00	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-P					
BCDL 10.0	Code IBC2018/TPI2014					Weight: 25 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 DF SS
BOT CHORD 2x4 HF No.2
WEBS 2x4 DF Stud
OTHERS 2x4 DF Stud

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

REACTIONS. (size) 2=0-5-8, 4=Mechanical
Max Horz 2=84(LC 12)
Max Uplift 4=-44(LC 12)
Max Grav 2=427(LC 29), 4=397(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-4=-357/93

- NOTES-** (13)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 6) Gable studs spaced at 1-4-0 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 23.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 9) Refer to girder(s) for truss to truss connections.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
 - 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 moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
 - 13) All dimensions given in feet-inches-sixteenths (FFI/SS) format.



November 9,2022

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Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job J1128349B	Truss EJC	Truss Type Monopitch	Qty 24	Ply 1	BRC Family LLC	I14526190
Job Reference (optional)						

The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:31 2022 Page 1
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PRMU20221586



Scale = 1:13.9

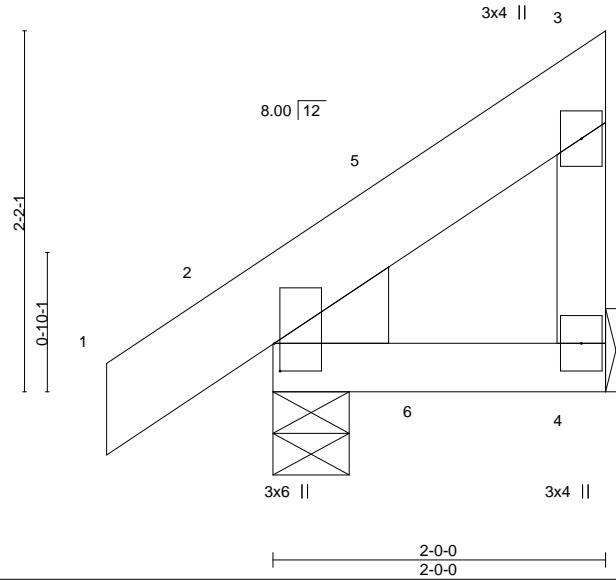


Plate Offsets (X,Y)-- [2-0-2-0,0-0-6]

LOADING (psf)	SPACING-		CSI.		DEFL.	in	(loc)	L/defl	L/d	PLATES	GRIP
TCLL 25.0	2-0-0		TC 0.07		Vert(LL)	-0.01	2-4	>999	360	MT20	185/148
(Roof Snow=25.0)	Plate Grip DOL 1.15		BC 0.26		Vert(CT)	-0.01	2-4	>999	240		
TCDL 15.0	Lumber DOL 1.15		WB 0.00		Horz(CT)	0.00	4	n/a	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 2x6 DF SS
BOT CHORD 2x4 HF No.2
WEBS 2x4 DF Stud
WEDGE
Left: 2x6 DF SS

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) 4=Mechanical, 2=0-5-8
Max Horz 2=45(LC 9)
Max Uplift 4=16(LC 9), 2=15(LC 12)
Max Grav 4=336(LC 29), 2=386(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=318/27

- NOTES-** (11)
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.8psf; BCDL=4.2psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 16.0 psf or 1.00 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 23.0psf on the bottom chord in 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) 4, 2.
 - 9) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) This truss has been designed for a moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
 - 11) All dimensions given in feet-inches-sixteenths (FFI/SS) format.



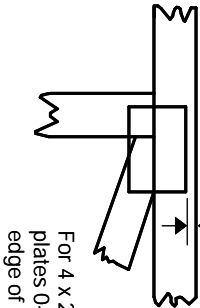
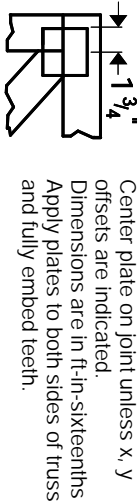
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Symbols

PLATE LOCATION AND ORIENTATION



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 MITtek 20/20 software or upon request.**

PLATE SIZE

4 X 4

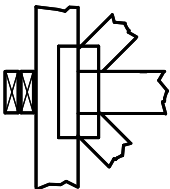
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

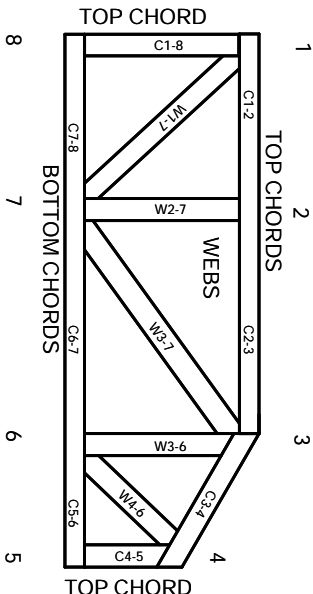


Indicates location where bearings (support) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCS11: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/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, ER-5243, 9604B, 9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

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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 BCS11.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator 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/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 1 Quality Criteria.