

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

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

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

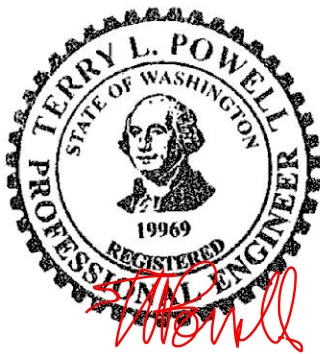
Tri-State Engineering, Inc.
12810 NE 178th Street
Suite 218
Woodinville, WA 98072
425.481.6601

Re: J1128349B
BRC Family LLC

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.



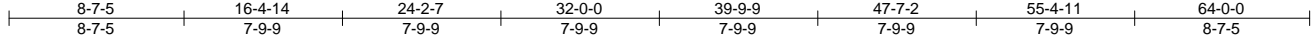
November 9, 2022

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
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:21 2022 Page 1
 ID:8pwdBHssSjtKgvzrYbzoM2yPvaF-fjkaSOnxFhtiwfpDUKE?3v87?TrUoddIqznrKjyLBy0



PRMU20221555

Scale = 1:113.4

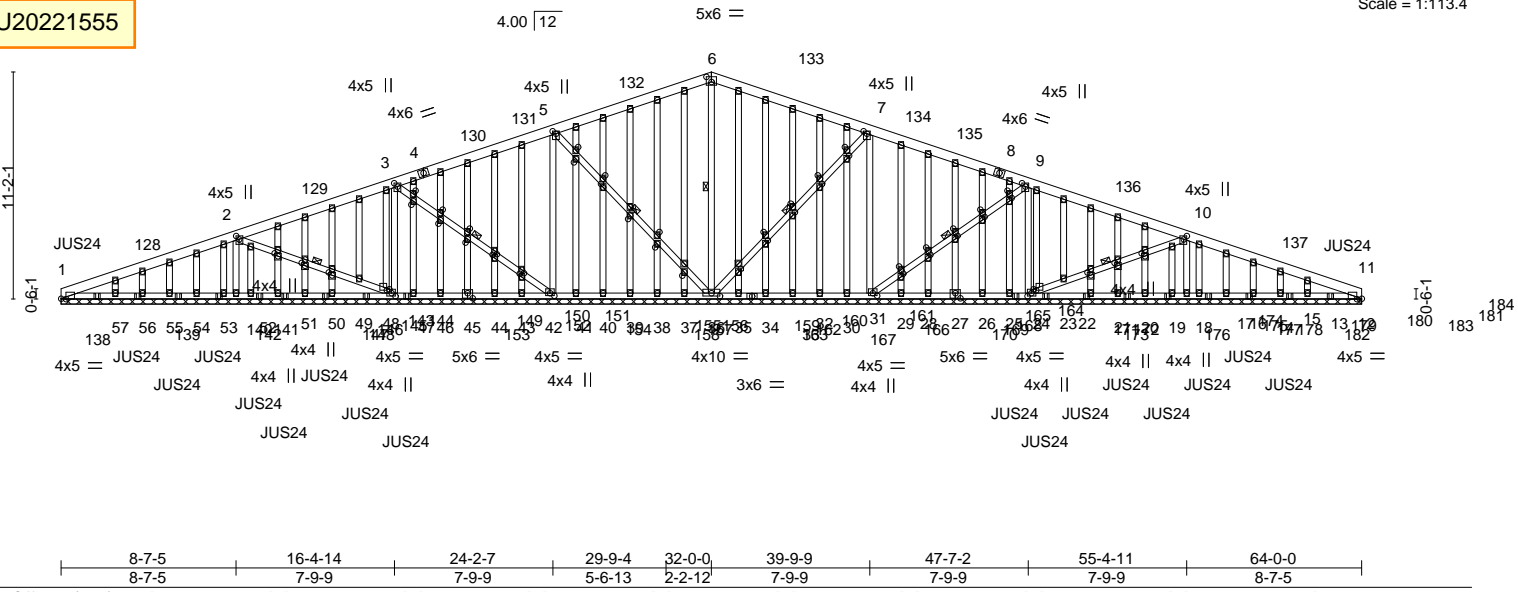


Plate Offsets (X,Y)--	[1:0-2-14,Edge], [2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-1-8,0-2-0], [6:0-3-0,0-3-0], [7:0-1-8,0-2-0], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [108:0-2-0,0-1-4], [108:0-2-0,0-1-4], [106:0-2-0,0-1-4], [106:0-2-0,0-1-4], [104:0-2-0,0-1-4], [104:0-2-0,0-1-4], [102:0-2-0,0-1-4], [102:0-2-0,0-1-4], [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 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.39 BC 0.44 WB 0.88 Matrix-SH	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.01 11 n/a n/a	MT20	185/148
TCDL 15.0	Rep Stress Incr NO				
BCLL 0.0 *	Code IBC2018/TPI2014				
BCDL 10.0				Weight: 621 lb	FT = 20%

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

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 ANS/TP1 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 A01	Truss Type GABLE	PRMU20221555	Qty 1	Ply 1	BRC Family LLC	I14526166
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The Truss Company (Sumner),

Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:25 2022 Page 2
ID:8pwdBHssSJtKgvzrYbzom2yPvaF-XUz5llqSlwO8OG7_jaixDllo_4DyqRculbixZVvYLBxy

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	PRMU20221555	Qty 1	Ply 1	BRC Family LLC	14526167
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:48 2022 Page 1
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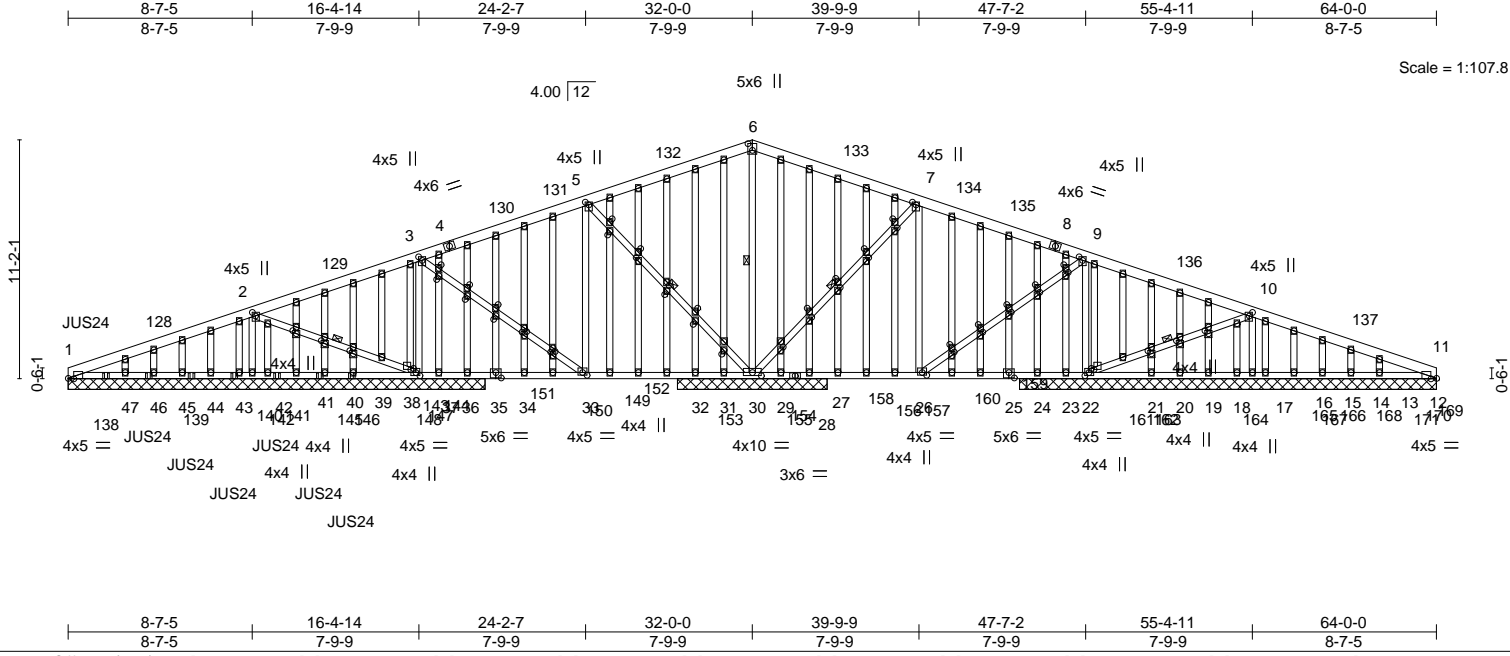


Plate Offsets (X,Y)-- [1:0-3-2,Edge], [2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-1-8,0-2-0], [6:0-3-12,0-2-8], [7:0-1-8,0-2-0], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [108:0-2-0,0-1-4], [108:0-2-0,0-1-4], [106:0-2-0,0-1-4], [106:0-2-0,0-1-4], [103:0-2-0,0-1-4], [103:0-2-0,0-1-4], [100:0-2-0,0-1-4], [100:0-2-0,0-1-4], [11:0-3-2,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], [121:0-0-0,0-0-0], [121:0-1-12,0-2-0], [122:0-0-0,0-0-0], [22:0-0-10,0-1-8], [22:0-2-4,0-1-12], [25:0-3-0,0-3-0], [26:0-2-8,0-1-8], [30:0-5-0,0-1-12], [33:0-2-8,0-1-8], [34:0-3-0,0-3-0], [37:0-0-10,0-1-8], [37:0-2-4,0-1-12], [48:0-2-0,0-1-4], [50:0-2-0,0-1-4], [50:0-2-0,0-1-4], [52:0-2-0,0-1-4], [52:0-2-0,0-1-4], [55:0-2-0,0-1-4], [55:0-2-0,0-1-4], [58:0-2-0,0-1-4], [58:0-2-0,0-1-4], [61:0-2-0,0-1-4], [61:0-2-0,0-1-4], [64:0-2-0,0-1-4], [64:0-2-0,0-1-4], [67:0-2-0,0-1-4], [67:0-2-0,0-1-4], [69:0-2-0,0-1-4], [69:0-2-0,0-1-4], [71:0-2-0,0-1-4], [71:0-2-0,0-1-4], [76:0-1-12,0-2-0], [78:0-1-12,0-2-0], [80:0-1-12,0-2-0], [89:0-0-0,0-0-0], [89:0-2-0,0-1-4], [91:0-2-0,0-1-4], [91:0-2-0,0-1-4], [94:0-2-0,0-1-4], [94:0-2-0,0-1-4], [97:0-2-0,0-1-4], [97:0-2-0,0-1-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.39	in (loc) l/defl L/d	MT20	185/148
TCDL 15.0	Plate Grip DOL 1.15	BC 0.68	Vert(LL) -0.09 24-26 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.50	Vert(CT) -0.13 24-26 >984 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-SH	Horz(CT) 0.01 11 n/a n/a		
	Code IBC2018/TP12014			Weight: 621 lb	FT = 20%

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: 36-37,35-36,33-35,24-26,23-24,22-23.
9-22,10-17,3-37,2-42: 2x4 DF Stud	WEBS 1 Row at midpt 6-30, 7-30, 10-22, 5-30, 2-37
OTHERS 2x4 DF Stud *Except*	
48-49,88-89: 2x4 HF No.2	

REACTIONS. All bearings 19-6-0 except (jt=length) 30=7-0-0, 31=7-0-0, 32=7-0-0, 29=7-0-0, 27=7-0-0.
 (lb) - Max Horz 1=122(LC 14)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 11, 38, 39, 40, 41, 43, 44, 45, 46, 47, 20, 19, 18, 16, 15, 14, 12 except 30=-153(LC 6), 22=-121(LC 114), 17=-146(LC 114), 37=-130(LC 113), 42=-185(LC 113), 31=-256(LC 56), 36=-341(LC 55), 29=-256(LC 61), 23=-341(LC 62), 13=-109(LC 75)
 Max Grav All reactions 250 lb or less at joint(s) 36, 23 except 1=440(LC 33), 30=1691(LC 1), 22=1023(LC 17), 17=706(LC 17), 37=1020(LC 16), 42=643(LC 16), 11=406(LC 41), 31=281(LC 91), 32=453(LC 56), 35=490(LC 55), 38=481(LC 85), 39=433(LC 84), 40=373(LC 83), 41=447(LC 82), 43=446(LC 80), 44=369(LC 79), 45=452(LC 78), 46=353(LC 77), 47=539(LC 76), 29=281(LC 93), 27=453(LC 61), 24=490(LC 62), 21=352(LC 99), 20=315(LC 100), 19=331(LC 101), 18=322(LC 102), 16=324(LC 104), 15=325(LC 105), 14=337(LC 106), 13=286(LC 107), 12=411(LC 108)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-5=-480/129, 5-6=0/359, 6-7=0/350, 7-9=-480/144
 BOT CHORD 32-33=-3/372, 31-32=-3/372, 30-31=-3/372, 29-30=0/372, 27-29=0/372, 26-27=0/372
 WEBS 6-30=-727/42, 7-30=-811/129, 9-26=0/435, 9-22=-933/136, 10-17=-700/149, 5-30=-812/123, 3-33=-7/435, 3-37=-931/150, 2-42=-708/161

NOTES- (16)
 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TC DL=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
 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 ANSITP1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job J1128349B	Truss A01B	Truss Type GABLE	PRMU20221555	Qty 1	Ply 1	BRC Family LLC	I14526167
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The Truss Company (Sumner),

Sumner, WA - 98390,

8,530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:50 2022 Page 2
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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) TCLK: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 5) **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 (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: 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.

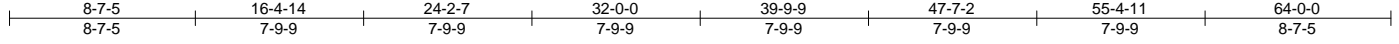
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral 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 Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



the**TRUSSCO.** INC.

Job J1128349B	Truss A02	Truss Type Common	PRMU20221555	Qty 10	Ply 1	BRC Family LLC	114526168
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:52 2022 Page 1
 ID:8pwdBHssSjtKgvzrYbzoM2yPvaF-Eh6ly_90xDnJ8QhAoIHGpRwQbzHgfePsyInt0QyLBxX



Scale = 1:106.7

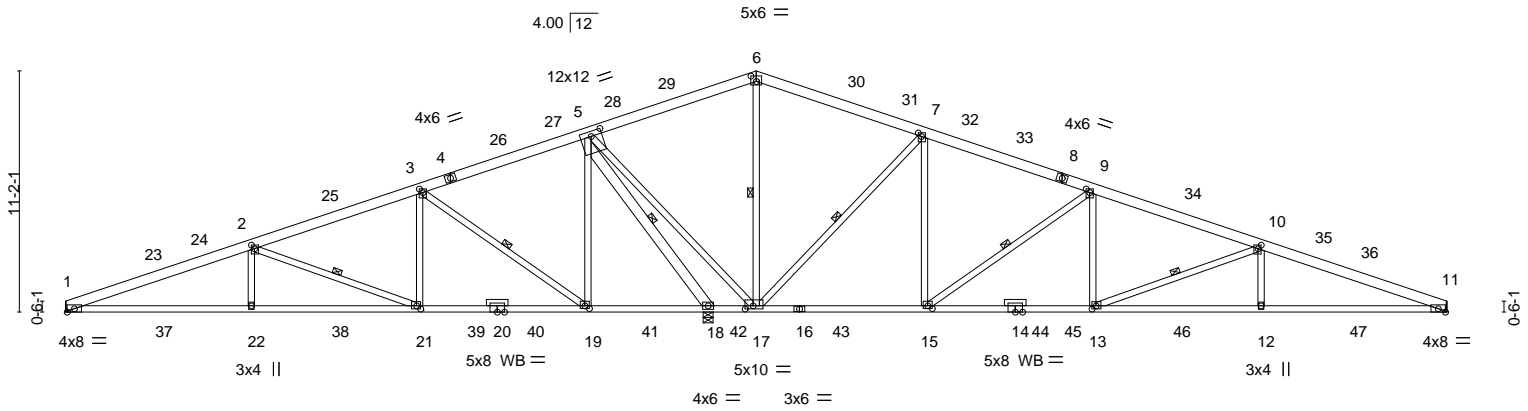


Plate Offsets (X,Y)--	[2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-6-0,0-2-12], [6:0-3-0,0-3-0], [7:0-2-0,0-1-12], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [13:0-2-4,0-1-12], [15:0-2-8,0-1-8], [17:0-4-8,0-1-12], [19:0-2-8,0-1-8], [21:0-2-4,0-1-12]
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LOADING (psf)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

LUMBER-	BRACING-
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	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; TC DL=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.



November 9, 2022

Continued on page 2

<p>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 ANSITPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.</p>	
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Job J1128349B	Truss A02	Truss Type Common	PRMU20221555	Qty 10	Ply 1	BRC Family LLC	I14526168
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The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:52 2022 Page 2
ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-Eh6ly_9OxDnJ8QhAoIHGpRwQbzHgePsyInt0QyLBxX

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.

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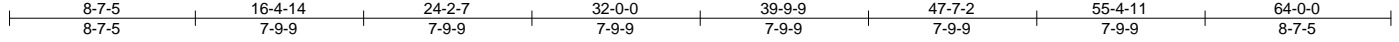
Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



the**TRUSSCO.** INC.

Job J1128349B	Truss A03	Truss Type Common	Qty PRMU20221555 4	Ply 1	BRC Family LLC	14526169
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:54 2022 Page 1
 ID:8pwdBHssJtKgvzrYbzoM2yPvaF-B4E2NgBeTq21NjrZwAKkus?glim_?7Y_9QcGz5JyLBxV



Scale = 1:106.7

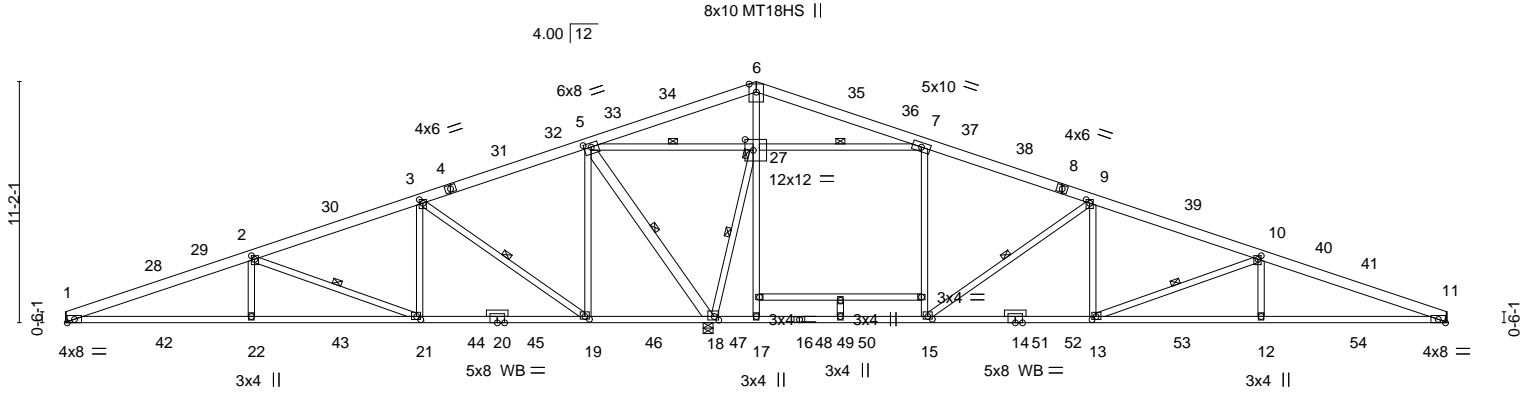


Plate Offsets (X,Y)--	[2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-4-0,0-2-4], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [13:0-2-4,0-1-12], [15:0-2-8,0-1-8], [18:0-2-8,0-2-0], [19:0-2-8,0-1-8], [21:0-2-4,0-1-12], [27:0-4-8,0-6-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	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 13-15	>999	360	MT20	185/148
TCDL 15.0	Plate Grip DOL 1.15	BC 0.93	Vert(CT)	-0.61 13-15	>671	240	MT18HS	185/148
BCLL 0.0 *	Lumber DOL 1.15	WB 0.87	Horz(CT)	0.08 11	n/a	n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-SH						
	Code IBC2018/TPI2014						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.
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=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

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 ANSITPI 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 A03	Truss Type Common	PRMU20221555	Qty 4	Ply 1	BRC Family LLC	I14526169
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:54 2022 Page 2
 ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-B4E2NgBeTq21NjrZwAKkus?glm_?7Y_9QcGz5JyLBxV

NOTES- (14)

- 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.
- 10) 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.
- 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) 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.
- 14) 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: 48=-100 50=-100

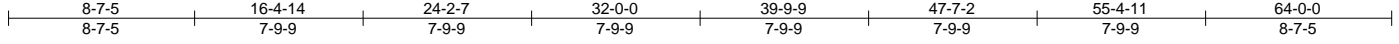
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

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 J1128349B	Truss A04	Truss Type Common	PRMU20221555	Qty 2	Ply 1	BRC Family LLC	14526170
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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
 ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-7SLpoMCu?Sl1c1?x1bMC_H5?tagSbSZStwl49CylBxT



Scale = 1:106.6

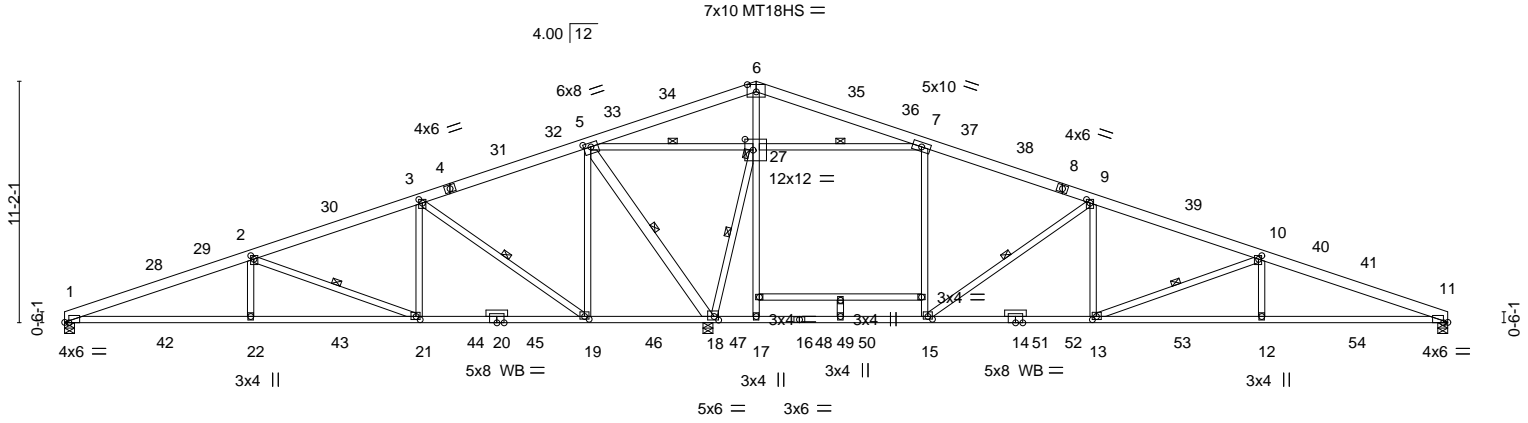


Plate Offsets (X,Y)-- [1:0-2-6,Edge], [2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-4-0,0-2-4], [6:0-5-0,0-4-0], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [11:0-2-6,Edge], [13:0-2-4,0-1-12], [15:0-2-8,0-1-8], [18:0-2-8,0-2-0], [19:0-2-8,0-1-8], [21:0-2-4,0-1-12], [27:0-4-8,0-6-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2018/TPI2014	TC 0.79 BC 0.93 WB 0.86 Matrix-SH	in (loc) l/defl L/d Vert(LL) -0.34 13-15 >999 360 Vert(CT) -0.60 13-15 >674 240 Horz(CT) 0.08 11 n/a n/a	MT20 MT18HS Weight: 387 lb	185/148 185/148 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=-191/179, 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; TC DL=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

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Job J1128349B	Truss A04	Truss Type Common	PRMU20221555	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 2
 ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-7SLpoMCu?Sllc1?x1bMC_H5?tagSbSZStwl49CyLBxT

- 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 (FPIISS) 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

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 J1128349B	Truss A05	Truss Type COMMON PRMU20221555	Qty 4	Ply 1	BRC Family LLC	114526171
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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 1
 ID:8pwdBHSSJtKgvzrYbzoM2yPvaF-3rTZD1E9X3YTsL9K97Og3iALJOLw2M_ILLEE4yLBxR

-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

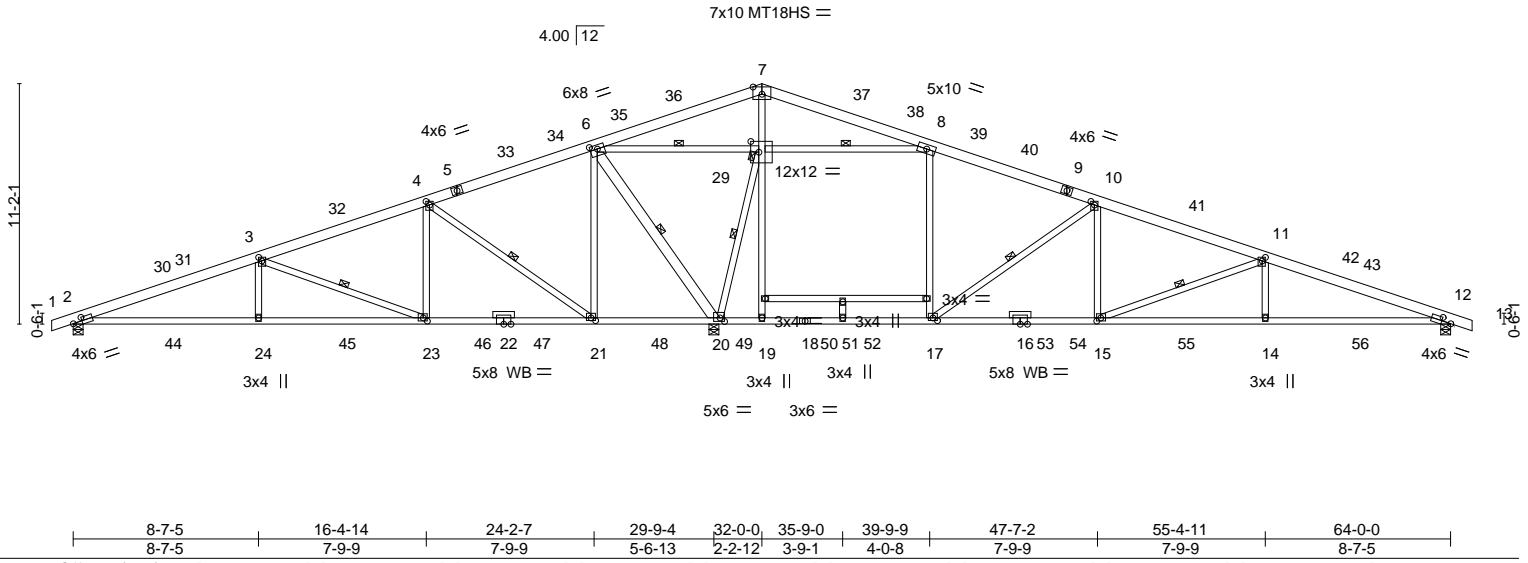


Plate Offsets (X,Y)--	[2:0-5-2,0-2-0], [3:0-2-0,0-1-12], [4:0-2-0,0-2-0], [6:0-4-0,0-2-4], [7:0-5-0,0-4-0], [10:0-2-0,0-2-0], [11:0-2-0,0-1-12], [12:0-5-2,0-2-0], [15:0-2-4,0-1-12], [17:0-2-8,0-1-8], [20:0-2-8,0-2-0], [21:0-2-8,0-1-8], [23:0-2-4,0-1-12], [29:0-4-8,0-6-0]
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LOADING (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						
	Code IBC2018/TPI2014						Weight: 392 lb	FT = 20%

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.
16-18,18-22: 2x4 DF No.1&Btr	WEBS 1 Row at midpt 10-17, 11-15, 4-21, 3-23, 6-20, 8-29, 6-29, 20-29
WEBS 2x4 HF No.2 *Except*	JOINTS 1 Brace at Jt(s): 29
10-15,11-14,4-23,3-24,27-28: 2x4 DF Stud, 6-20: 2x6 DF SS	
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.



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 ANSITPI1 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 A05	Truss Type COMMON	PRMU20221555	Qty 4	Ply 1	BRC Family LLC	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 2
 ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-3rTZD1E9X3YtsL9K9?Og3iALJOLw2M_ILLEE4yLBxR

- 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 (FFI/SS) 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

<p>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.</p>	
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Job J1128349B	Truss A05	Truss Type COMMON	PRMU20221555	Qty 4	Ply 1	BRC Family LLC	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:8pwdBHssJtKgvzrYbzoM2yPvaF-3rTZD1E9X3YTsL9K9?Og3iALJOLw2M_ILLEE4yLBxR

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.

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Job J1128349B	Truss A05	Truss Type COMMON	PRMU20221555	Qty 4	Ply 1	BRC Family LLC	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 4

ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-3rTZD1E9X3YtsL9K9?Og3iALJOLw2M_ILLEE4yLBxR

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.

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



theTRUSSCO. INC.

Job J1128349B	Truss A06	Truss Type COMMON	PRMU20221555	Qty 2	Ply 1	BRC Family LLC	14526172
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:58:59 2022 Page 1

ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-X11xQNFnlNgJTVjWjvvbvjc3ngjnoAuu_kmWylBxQ

-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 = 1:107.3

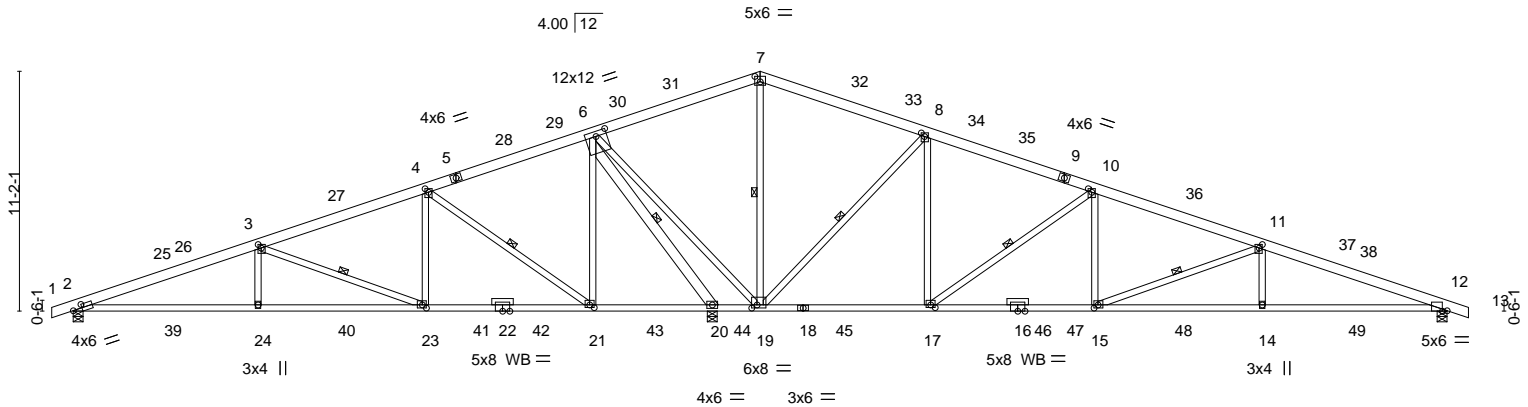


Plate Offsets (X,Y)--	[2:0-5-2,0-2-0], [3:0-2-0,0-1-12], [4:0-2-0,0-2-0], [6:0-6-0,0-2-12], [7:0-3-0,0-3-0], [8:0-2-0,0-1-12], [10:0-2-0,0-2-0], [11:0-2-0,0-1-12], [12:0-2-10,Edge], [15:0-2-4,0-1-12], [17:0-2-8,0-1-8], [19:0-3-0,0-1-12], [21:0-2-8,0-1-8], [23:0-2-4,0-1-12]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.41	Vert(LL)	-0.27 14-15	>999	360	MT20	185/148
TCDL 15.0	Lumber DOL 1.15	BC 0.96	Vert(CT)	-0.48 14-15	>845	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.93	Horz(CT)	0.09 12	n/a	n/a		
BCDL 10.0	Code IBC2018/TPI2014	Matrix-SH					Weight: 380 lb	FT = 20%

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

REACTIONS. (size) 2=0-5-8, 12=0-5-8, 20=0-5-8
 Max Horz 2=125(LC 16)
 Max Uplift 2=-119(LC 8), 12=-155(LC 9), 20=-189(LC 8)
 Max Grav 2=1153(LC 19), 12=1453(LC 20), 20=4539(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2151/196, 3-4=-921/131, 4-6=0/947, 6-7=0/1331, 7-8=0/1334, 8-10=-657/260,
 10-11=-1834/253, 11-12=-3035/315
 BOT CHORD 2-24=-254/1957, 23-24=-254/1957, 21-23=-120/774, 20-21=-844/181, 19-20=-3773/384,
 17-19=-191/542, 15-17=-111/1642, 14-15=-241/2803, 12-14=-241/2803
 WEBS 7-19=-1290/115, 8-19=-2092/199, 8-17=-23/1229, 10-17=-1461/154, 10-15=0/750,
 11-15=-1269/140, 11-14=0/468, 6-19=-262/3790, 6-21=-28/1123, 4-21=-1487/154,
 4-23=0/790, 3-23=-1306/144, 3-24=0/465, 6-20=-5224/429

- 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 non-concurrent with the bottom chord and any other members, with BCDL = 10.0psf.



November 9, 2022

Job J1128349B	Truss A06	Truss Type COMMON	PRMU20221555	Qty 2	Ply 1	BRC Family LLC	I14526172
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The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:00 2022 Page 2
ID:8pwdBHssSjtKgvzrYbzoM2yPvaF-?DbKejGP3goA5eliGQQ887FnpB0yWFQ2oYjIlyLBxP

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.

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.



the**TRUSS**CO. INC.

Job J1128349B	Truss A07	Truss Type COMMON PRMU20221555	Qty 2	Ply 1	BRC Family LLC	14526173
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:01 2022 Page 1

ID:8pwdBHssSjttKgvzrYbzom2yPvaF-UQ9ir3G1q_wjotvq8yNhhKoyVbNIFicB1CTrrPyLBxO

-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

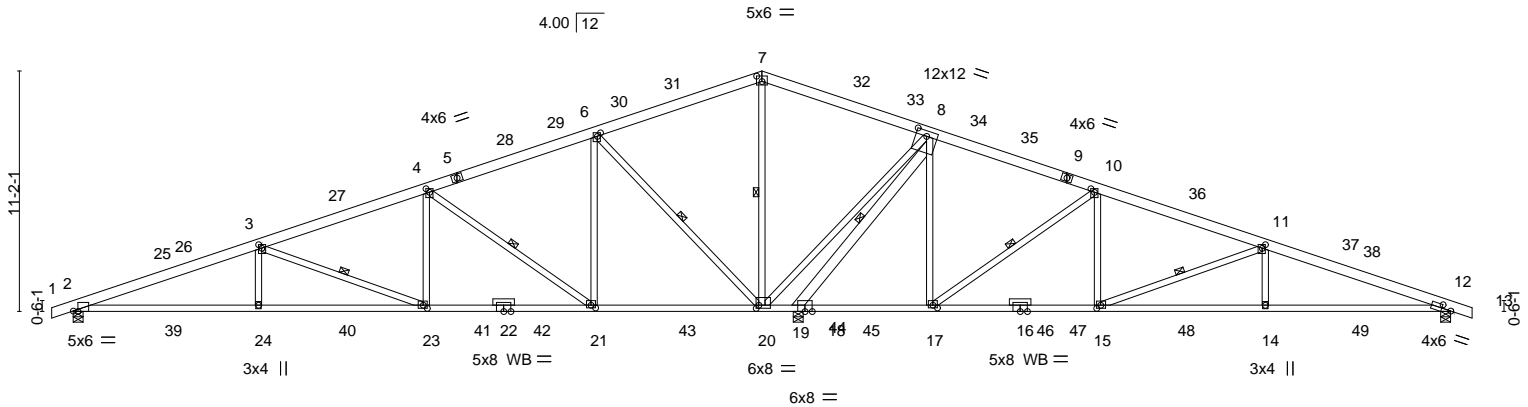


Plate Offsets (X,Y)--	[2:0-2-10,Edge], [3:0-2-0,0-1-12], [4:0-2-0,0-2-0], [6:0-2-0,0-1-12], [7:0-3-0,0-3-0], [8:0-6-0,0-3-0], [10:0-2-0,0-2-0], [11:0-2-0,0-1-12], [12:0-5-2,0-2-0], [15:0-2-4,0-1-12], [17:0-2-8,0-1-8], [20:0-1-8,0-1-12], [21:0-2-8,0-1-8], [23:0-2-4,0-1-12]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.42	Vert(LL)	-0.27	23-24	>999	MT20	185/148
TCDL 15.0	Lumber DOL 1.15	BC 0.96	Vert(CT)	-0.48	23-24	>838		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.94	Horz(CT)	0.09	12	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) 2=0-5-8, 12=0-5-8, 19=0-5-8
 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 non-concurrent with the bottom chord and any other members, with BCDL = 10.0psf.



November 9, 2022

Job J1128349B	Truss A07	Truss Type COMMON	PRMU20221555	Qty 2	Ply 1	BRC Family LLC	I14526173
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The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:01 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/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**

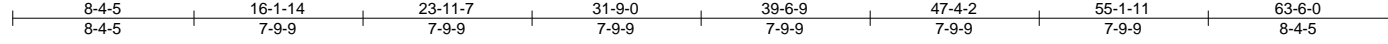
Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



the**TRUSS**CO. INC.

Job J1128349B	Truss A08	Truss Type Common	PRMU20221555	Qty 2	Ply 1	BRC Family LLC	14526174
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:03 2022 Page 1
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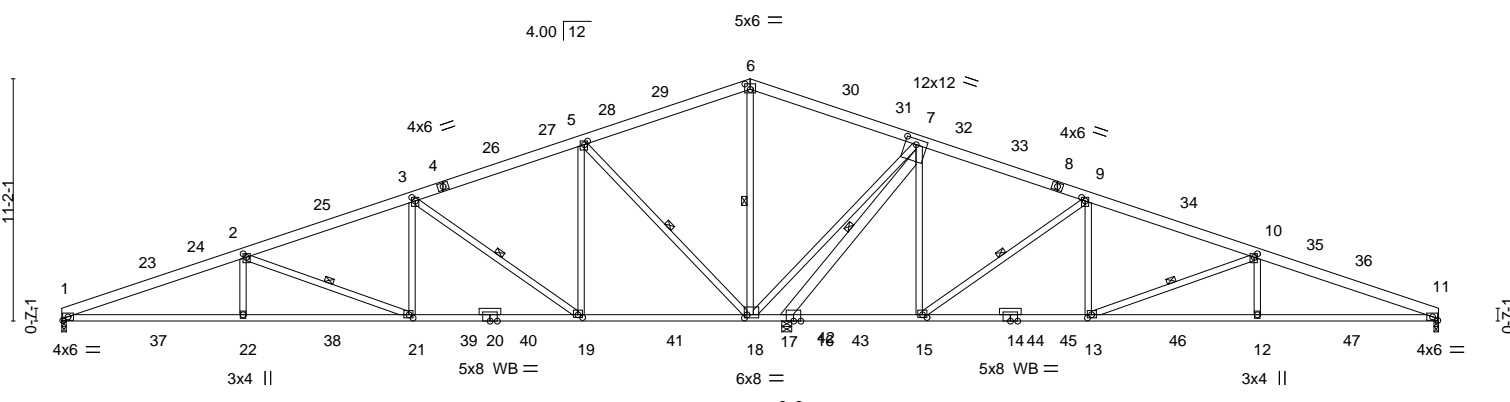


Plate Offsets (X,Y)--	[1:0-2-14,0-2-0], [2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-2-0,0-1-12], [6:0-3-0,0-3-0], [7:0-6-0,0-3-0], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [11:0-2-14,0-2-0], [13:0-2-4,0-1-12], [15:0-2-8,0-1-8], [18:0-1-8,0-1-12], [19:0-2-8,0-1-8], [21:0-2-4,0-1-12]
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LOADING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

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.



November 9,2022

Job J1128349B	Truss A08	Truss Type Common	PRMU20221555	Qty 2	Ply 1	BRC Family LLC	I14526174
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The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:03 2022 Page 2
ID:8pwdBHssSjtKgvzrYbzoM2yPvaF-QoGSGIIHMbAly61HyZ_rmtti4P3zjcDUUWyyvlyLBxM

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.

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

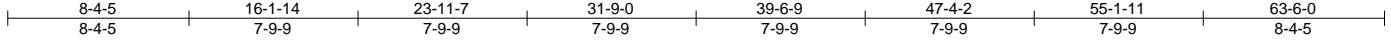
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral 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.



the**TRUSSCO.** INC.

Job J1128349B	Truss A09	Truss Type Common	PRMU20221555	Qty 6	Ply 1	BRC Family LLC	114526175
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:05 2022 Page 1
 ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-MBOChRJYDQTBQBg3_0JrAyeaCkRBWjnyqR3_AyLBxK



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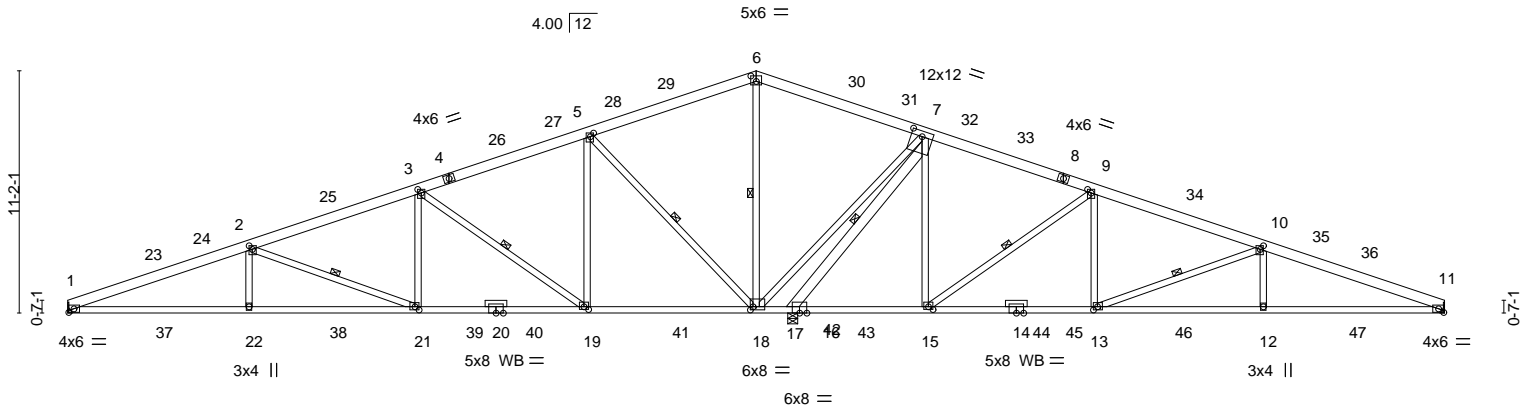


Plate Offsets (X,Y)--	[1:0-2-14,0-2-0], [2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-2-0,0-1-12], [6:0-3-0,0-3-0], [7:0-6-0,0-3-0], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [11:0-2-14,0-2-0], [13:0-2-4,0-1-12], [15:0-2-8,0-1-8], [18:0-1-8,0-1-12], [19:0-2-8,0-1-8], [21:0-2-4,0-1-12]
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LOADING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

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.



November 9, 2022

Continued on page 2

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK 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 ANSII/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.</p>	 theTRUSSCO. INC.
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Job J1128349B	Truss A09	Truss Type Common	PRMU20221555	Qty 6	Ply 1	BRC Family LLC	I14526175
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The Truss Company (Sumner), Sumner, WA - 98390,

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

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.



the**TRUSS**CO. INC.

Job J1128349B	Truss A10	Truss Type Common	PRMU20221555	Qty 4	Ply 1	BRC Family LLC	114526176
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:07 2022 Page 1
 ID:8pwdBHssSJtKgvzYbzoM2yPvaF-laWz66LoPqgBRjL3BO2nwb2zJ0QQfQa4P8wA23yLBxl

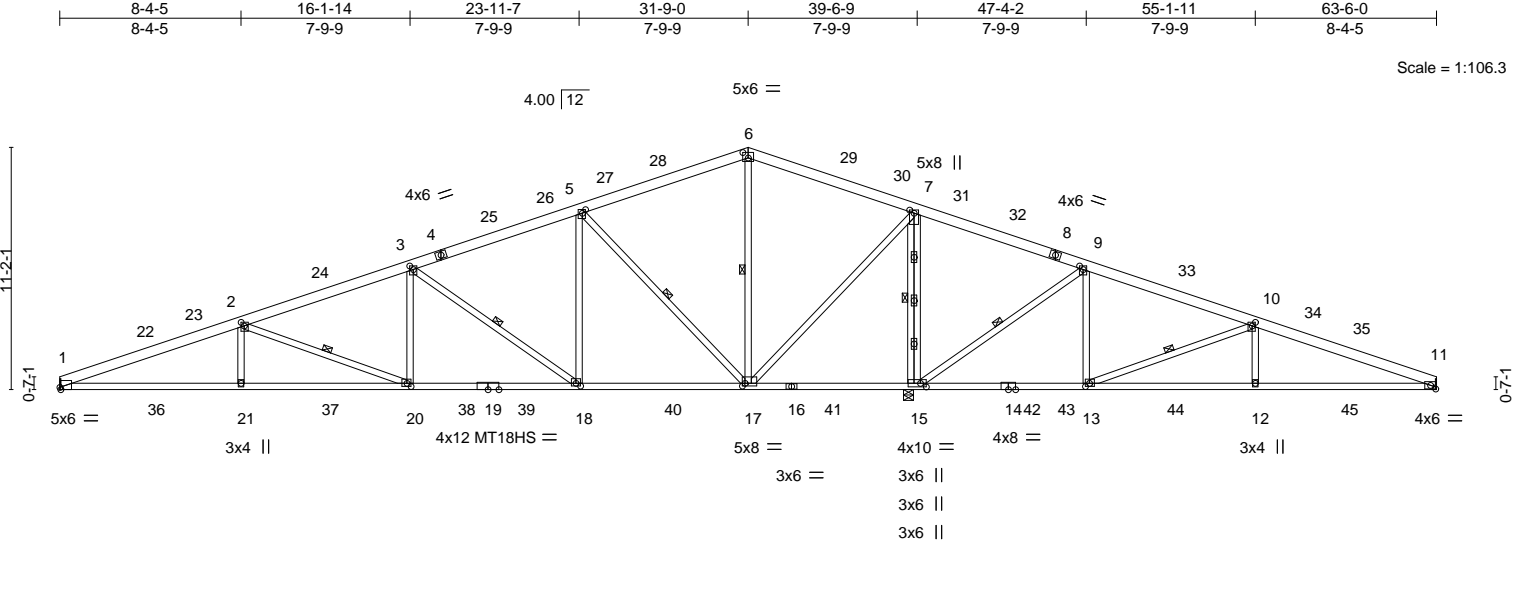


Plate Offsets (X,Y)--	[1:0-0-8,Edge], [2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-2-0,0-1-12], [6:0-3-0,0-3-0], [7:0-1-12,0-2-8], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [11:0-2-14,0-2-0], [13:0-2-4,0-1-12], [15:0-3-4,0-2-0], [17:0-1-8,0-1-8], [18:0-2-8,0-1-8], [20:0-2-4,0-1-12]
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LOADING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

LUMBER-	BRACING-
TOP CHORD 2x6 DF SS	TOP CHORD Structural wood sheathing directly applied or 3-9-5 oc purlins.
BOT CHORD 2x4 DF 2400F 2.0E *Except*	BOT CHORD Rigid ceiling directly applied or 3-7-0 oc bracing.
14-16,16-19: 2x4 DF No.1&Btr	WEBS 1 Row at midpt 6-17, 7-15, 9-15, 10-13, 5-17, 3-18, 2-20
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	

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; TC DL=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.



November 9,2022

Job J1128349B	Truss A10	Truss Type Common	PRMU20221555	Qty 4	Ply 1	BRC Family LLC	I14526176
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The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:07 2022 Page 2
ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-laWz66LoPqgBRJL3BO2nwb2zJ0QQfQa4P8wA23yLBxl

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**

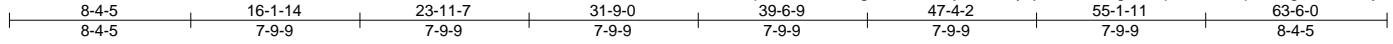
Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



the**TRUSSCO.** INC.

Job J1128349B	Truss A11	Truss Type Common	PRMU20221555	Qty 2	Ply 1	BRC Family LLC	114526177
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:09 2022 Page 1
 ID:8pwdBHssJtKgvzrYbzoM2yPvaF-FyejXoN2xRxvg1URlp5F?07LMp8x7LgMtRPG7xyLBxG



Scale = 1:106.2

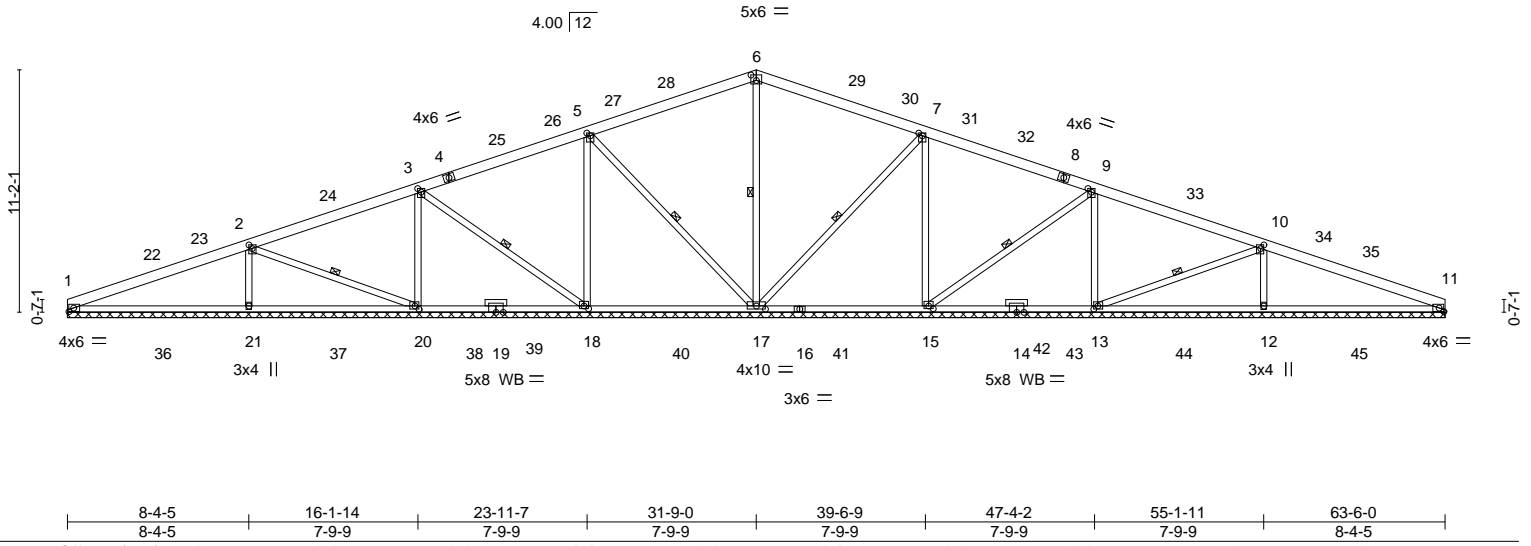


Plate Offsets (X,Y)-- [1:0-2-10,0-2-0], [2:0-2-0,0-1-12], [3:0-2-0,0-2-0], [5:0-1-8,0-2-0], [6:0-3-0,0-3-0], [7:0-1-8,0-2-0], [9:0-2-0,0-2-0], [10:0-2-0,0-1-12], [11:0-2-10,0-2-0], [13:0-2-4,0-1-12], [15:0-2-8,0-1-8], [17:0-5-0,0-1-12], [18:0-2-8,0-1-8], [20:0-2-4,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.36	Vert(LL) n/a	-	n/a	999	MT20	185/148
TCDL 15.0	Plate Grip DOL 1.15	BC 0.78	Vert(CT) n/a	-	n/a	999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.87	Horz(CT) 0.01	11	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-SH					Weight: 349 lb	FT = 20%
	Code IBC2018/TPI2014							

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

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 A11	Truss Type Common	PRMU20221555	Qty 2	Ply 1	BRC Family LLC	I14526177
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The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:09 2022 Page 2
 ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-FyejXoN2xRxvg1URIp5F?07LMp8x7LgMtRPG7xyLBxG

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.

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

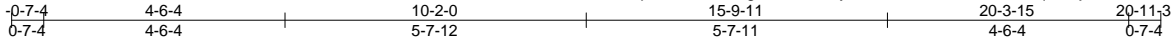
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral 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.



the**TRUSSCO.** INC.

Job J1128349B	Truss B01	Truss Type GABLE	PRMU20221555	Qty 3	Ply 1	BRC Family LLC	14526178
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:11 2022 Page 1
 ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-BLIUxUOJT3BcvLeqQE7j5RCILdrvbnPFIkuNBqyLBxE



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-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0	TC 0.20	in (loc) l/defl L/d	MT20	185/148
TCDL 15.0	Plate Grip DOL 1.15	BC 0.68	Vert(LL) -0.12 8-9 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.28	Vert(CT) -0.16 9-11 >869 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-SH	Horz(CT) -0.01 8 n/a n/a	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.



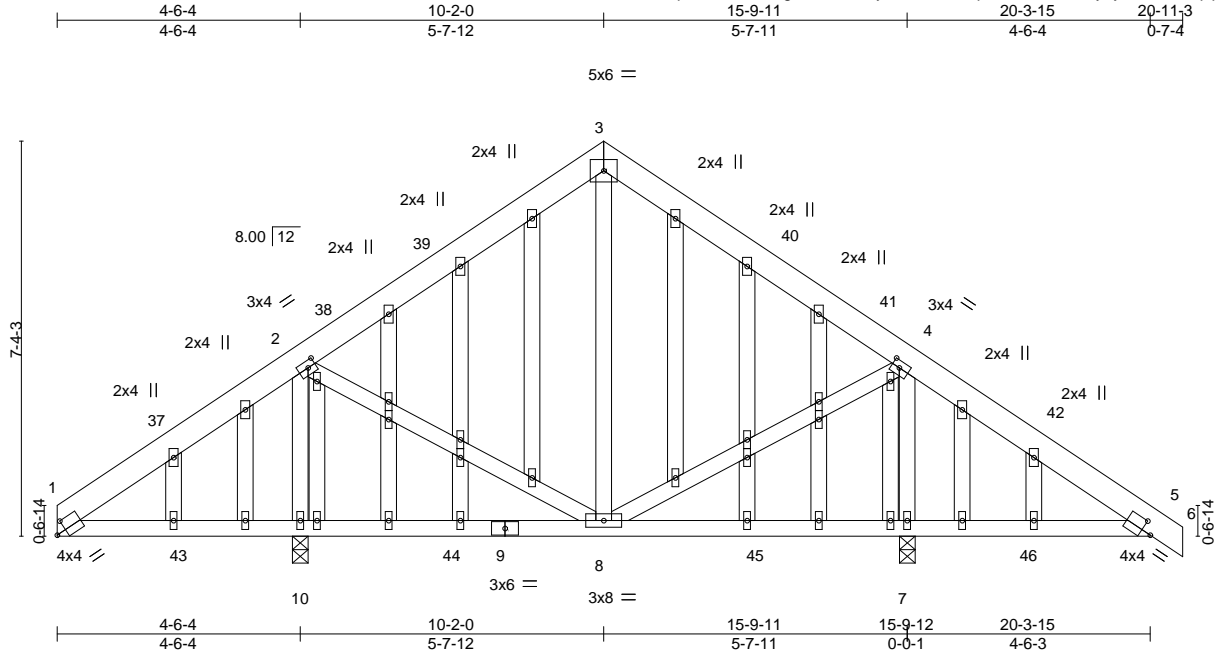
November 9, 2022

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 BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job J1128349B	Truss B01A	Truss Type GABLE	PRMU20221555	Qty 1	Ply 1	BRC Family LLC	114526179
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:12 2022 Page 1
 ID:8pwdBHssSjtKgzrYbzoM2yPvaF-fXJs9qPxEMJTXVD0zyeydfit51B9KqspZPdwjGyLBxD



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

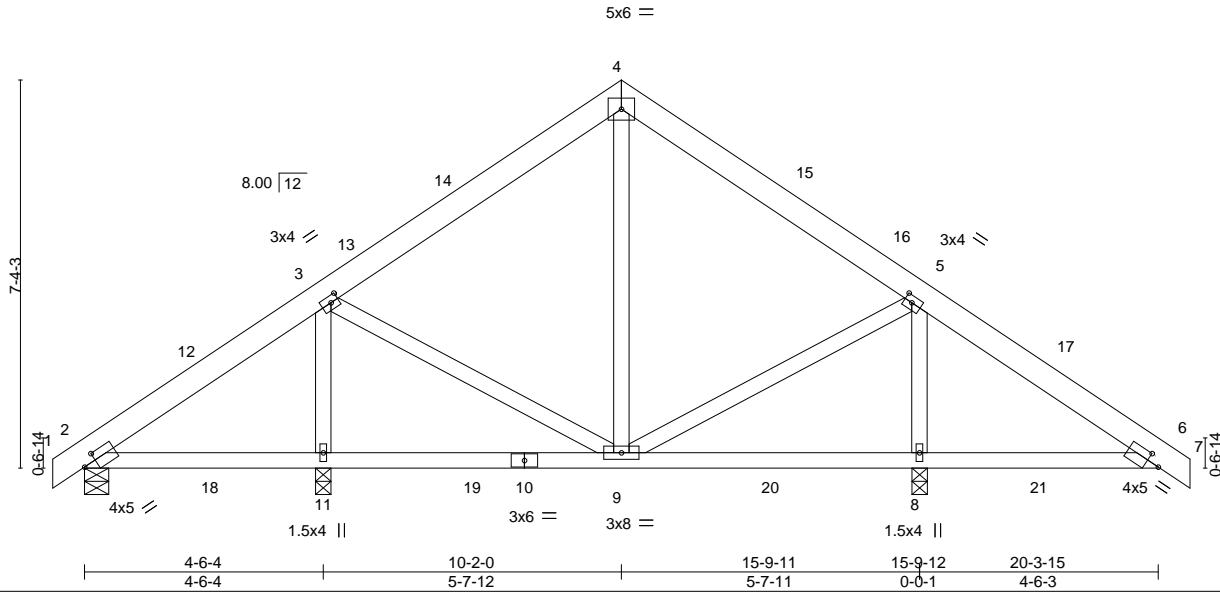


November 9,2022

Job J1128349B	Truss B02	Truss Type Common	PRMU20221555	Qty 6	Ply 1	BRC Family LLC	I14526180
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:14 2022 Page 1
 ID:8pwdBHssSjtKgvzrYbzom2yPvaF-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



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.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2018/TPI2014	TC 0.20 BC 0.68 WB 0.28 Matrix-SH	in (loc) l/defl L/d Vert(LL) -0.12 8-9 >999 360 Vert(CT) -0.16 9-11 >869 240 Horz(CT) -0.01 8 n/a n/a	MT20 Weight: 113 lb	185/148 FT = 20%
TCDL 15.0					
BCLL 0.0 *					
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 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; 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) 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/SS) format.



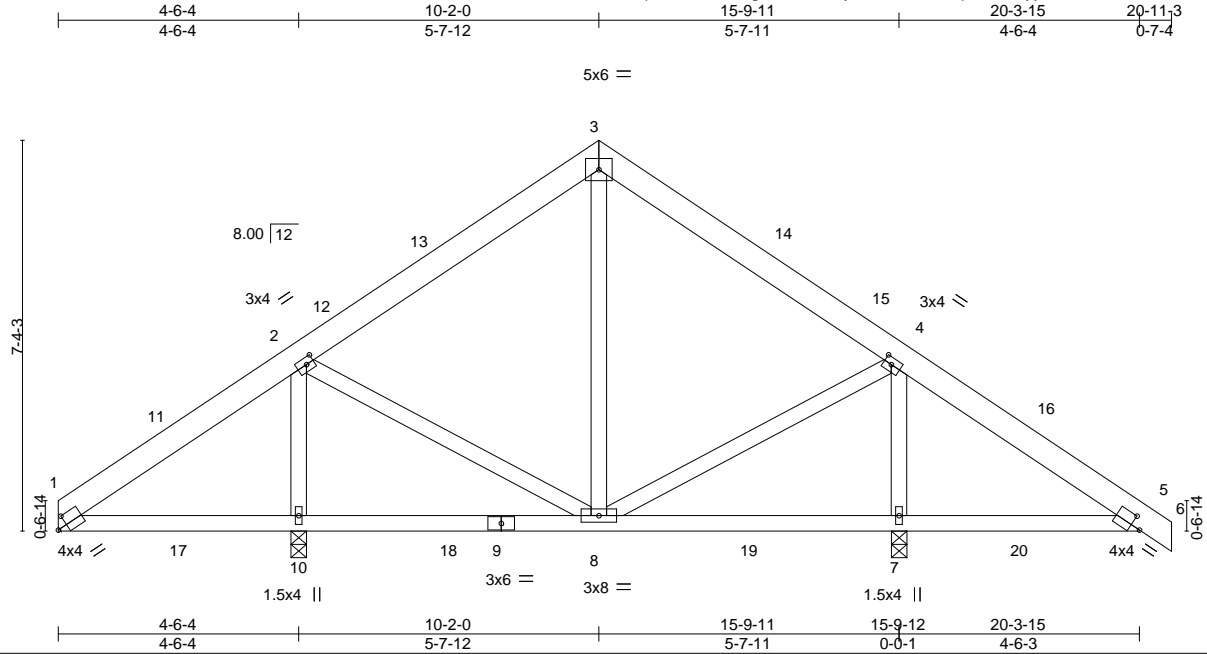
November 9, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
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Job J1128349B	Truss B02A	Truss Type COMMON	PRMU20221555	Qty 2	Ply 1	BRC Family LLC	I14526181
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:15 2022 Page 1
 ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-36?_nrRpXHh2Oybf4CfFHNOKEsXBcFFNsBkbyLBxA



Scale = 1:43.3

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.	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 0.20 BC 0.68 WB 0.26 Matrix-SH	Vert(LL) -0.12 Vert(CT) -0.16 Horz(CT) -0.01	8-10 8-10 7	>999 >869 n/a	360 240 n/a	MT20	185/148
TCDL 15.0 BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES 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=1.0; 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) 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

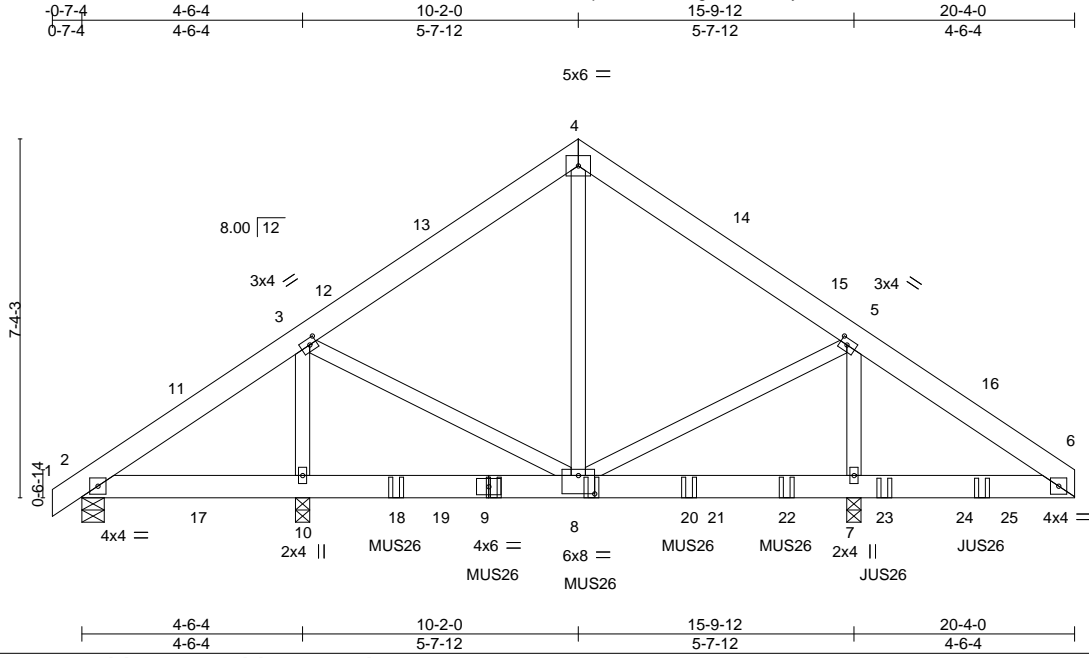
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Job J1128349B	Truss B03	Truss Type COMMON GIRDER	Qty 3	Ply 3	BRC Family LLC	I14526182
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:17 2022 Page 1
 ID:8pwdBHssJttKgvzrYbzoM2yPvaF-0V6lCXT33vxmeG5_mVE7KiSmW20L?58YihLhPUyLbX8

PRMU20221555



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

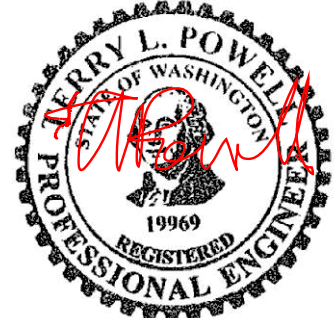
LUMBER-
 TOP CHORD 2x6 DF SS
 BOT CHORD 2x6 DF SS
 WEBS 2x4 DF Stud

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; BCCL=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

Job J1128349B	Truss B03	Truss Type COMMON GIRDER	Qty 3	Ply 3	BRC Family LLC Job Reference (optional)	I14526182
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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 2
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NOTES- (15)

- 14) Fill all nail holes where hanger is in contact with lumber.
- 15) All dimensions given in feet-inches-sixteenths (FFIISS) 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)

PRMU20221555

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



the**TRUSSCO.** INC.

Job J1128349B	Truss B03A	Truss Type COMMON GIRDER	Qty 1	Ply 3	BRC Family LLC	I14526183
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The Truss Company (Sumner), Sumner, WA - 98390, 8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:19 2022 Page 1
 ID:8pwdBHssJtKgzrYbzoM2yPvaF-ytEVdDUKaWBUIzFMuwGcP7Y6prggT_arA?oqTMyLBx6

PRMU20221555

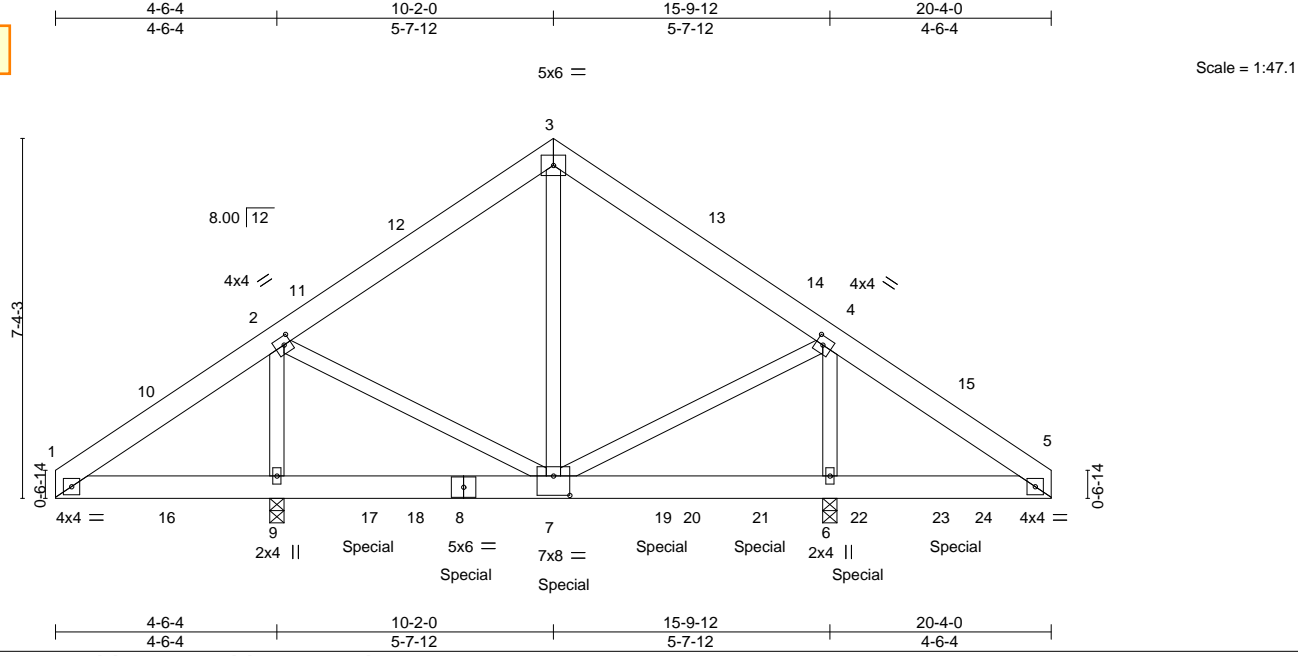


Plate Offsets (X,Y)--	[2:0-1-12,0-2-0], [4:0-1-12,0-2-0], [7:0-4-0,0-4-12]				
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 25.0 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.10 BC 0.31 WB 0.33 Matrix-SH	in (loc) l/defl L/d Vert(LL) -0.03 7-9 >999 360 Vert(CT) -0.06 7-9 >999 240 Horz(CT) -0.00 6 n/a n/a	MT20	220/195
TCDL 15.0	Rep Stress Incr YES			Weight: 386 lb	FT = 20%
BCLL 0.0 *	Code IBC2018/TPI2014				
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 2x6 DF SS	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 DF Stud	

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.



November 9, 2022

Job J1128349B	Truss B03A	Truss Type COMMON GIRDER	Qty 1	Ply 3	BRC Family LLC I14526183
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The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:19 2022 Page 2
ID:8pwdBHssSJtKgvrYbzoM2yPvaF-ytEVdDUKaWBUtZFMuwGcP7Y6prggT_arA?qoTMylBx6

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)

PRMU20221555

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.



the**TRUSSCO.** INC.

Job J1128349B	Truss C01	Truss Type GABLE	Qty 2	Ply 2	BRC Family LLC	114526184
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The Truss Company (Sumner),

Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:27 2022 Page 1
ID:8pwdBHssJtKgzrYbzoM2yPvaF-jQjXlYalZCLqosvMbPukptPG4HDLZz00FmDlvyLBx_

Job Reference (optional)

PRMU20221555

Scale = 1:62.3

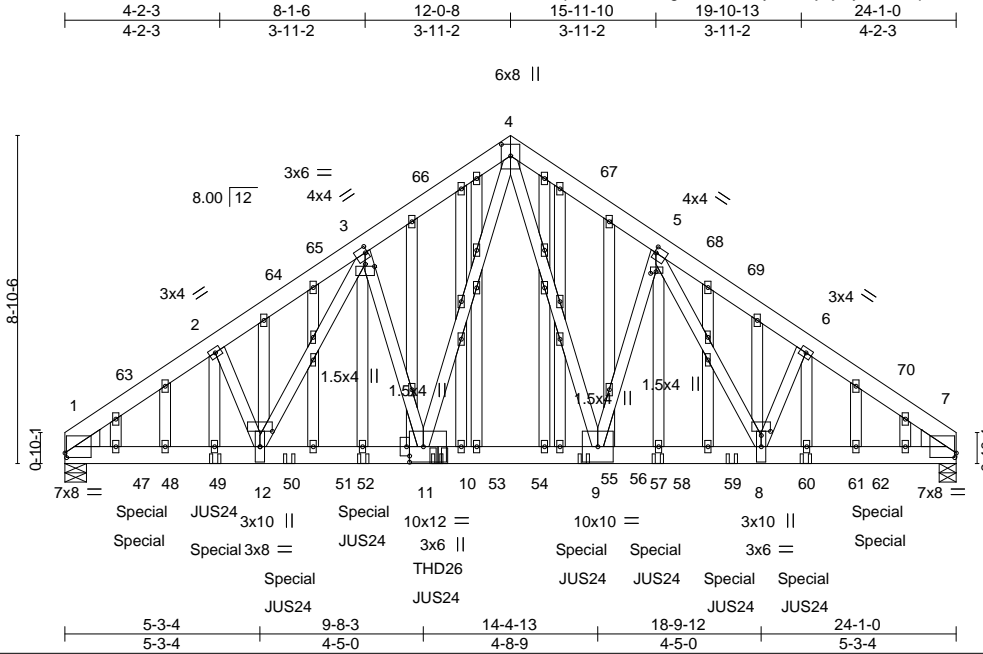


Plate Offsets (X,Y)-- [1:0-0-8,0-1-8], [3:0-3-0,0-0-11], [3:0-0-12,0-2-0], [4:0-3-12,0-3-0], [5:0-1-12,0-0-9], [5:0-0-8,0-2-0], [7:0-0-8,0-1-8], [8:0-3-0,0-1-5], [10:0-4-8,0-5-0], [12:0-4-0,0-5-0], [22:0-3-0,0-1-0]

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



November 9,2022

Continued on page 2

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 ANSITPI Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job J1128349B	Truss C01	Truss Type GABLE	PRMU20221555	Qty 2	Ply 2	BRC Family LLC	I14526184
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The Truss Company (Sumner), Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:27 2022 Page 2
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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/SS) 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.

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.



the**TRUSSCO.** INC.

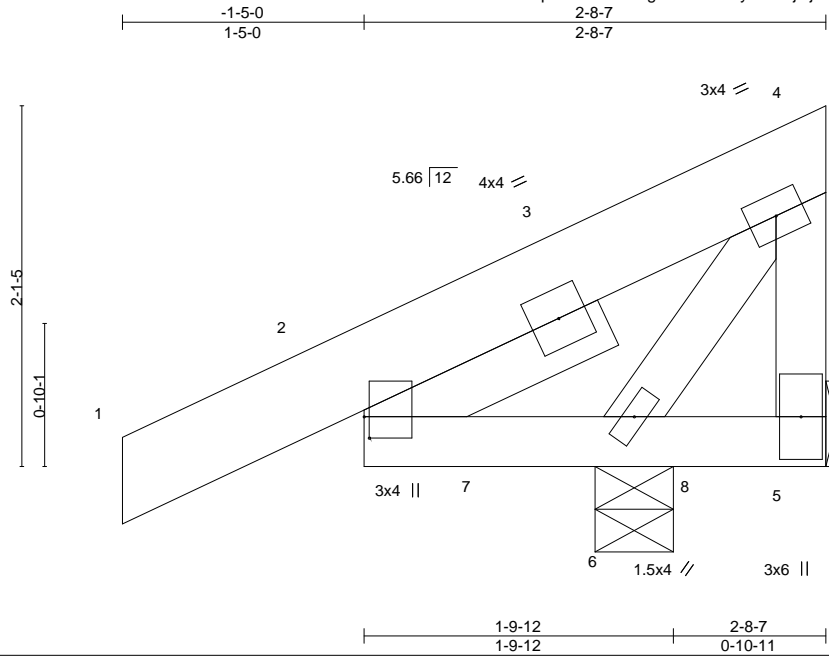
Job J1128349B	Truss CGC	Truss Type Jack-Open Girder	Qty 4	Ply 1	BRC Family LLC	114526185
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The Truss Company (Sumner),

Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:27 2022 Page 1
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PRMU20221555



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 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.19 BC 0.16 WB 0.19 Matrix-P	Vert(LL) -0.00 Vert(CT) 0.00 Horz(CT) 0.00	5-6 5-6 n/a	>999 >999 n/a	360 240 n/a	MT20	185/148
TCDL 15.0	Rep Stress Incr NO						Weight: 19 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
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=1.00; 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/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 J1128349B	Truss D1	Truss Type GABLE	Qty 2	Ply 1	BRC Family LLC	14526186
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The Truss Company (Sumner),

Sumner, WA - 98390,

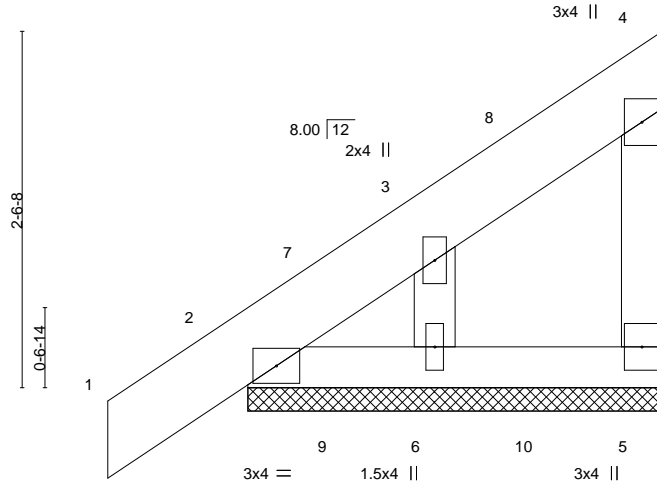
8,530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:28 2022 Page 1

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PRMU20221555

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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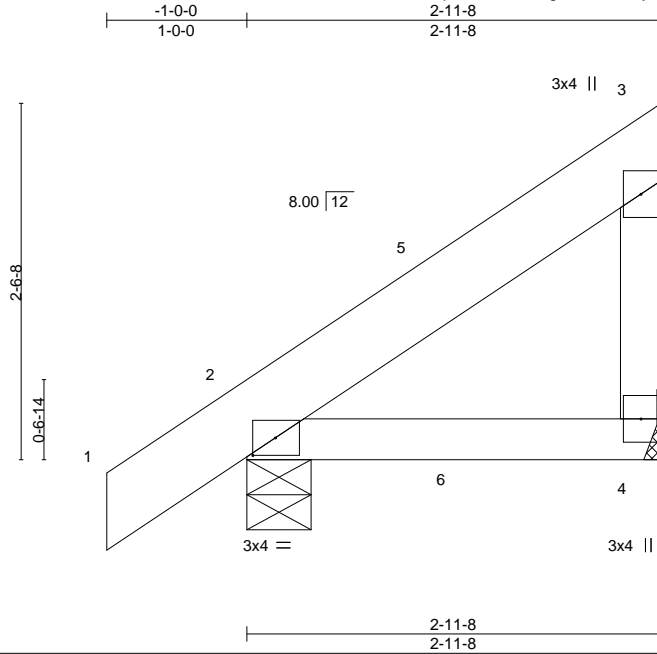
Job J1128349B	Truss D2	Truss Type MONOPITCH	Qty 3	Ply 1	BRC Family LLC	I14526187
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The Truss Company (Sumner),

Sumner, WA - 98390,

8.530 s Aug 11 2022 MiTek Industries, Inc. Tue Nov 8 15:59:29 2022 Page 1
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PRMU20221555



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 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.10 BC 0.41 WB 0.00 Matrix-P	Vert(LL) -0.02 Vert(CT) -0.03 Horz(CT) 0.00	2-4 2-4 4	>999 >999 n/a	360 240 n/a	MT20	185/148
TCDL 15.0	Rep Stress Incr YES						Weight: 17 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 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 (FFIIS) format.



November 9,2022

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Job J1128349B	Truss EJB	Truss Type Jack-Open	Qty 22	Ply 1	BRC Family LLC	I14526188
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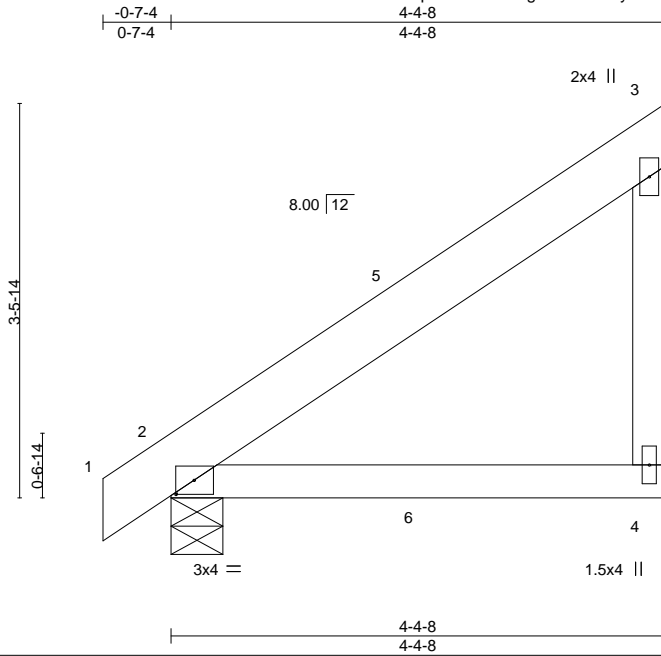
The Truss Company (Sumner),

Sumner, WA - 98390,

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

ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-7?Pfx_dD?uawhGbT1kzBMSVznHK0Y0ESiD_tLEyLBwx

PRMU20221555



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 (FFIISS) format.



November 9,2022

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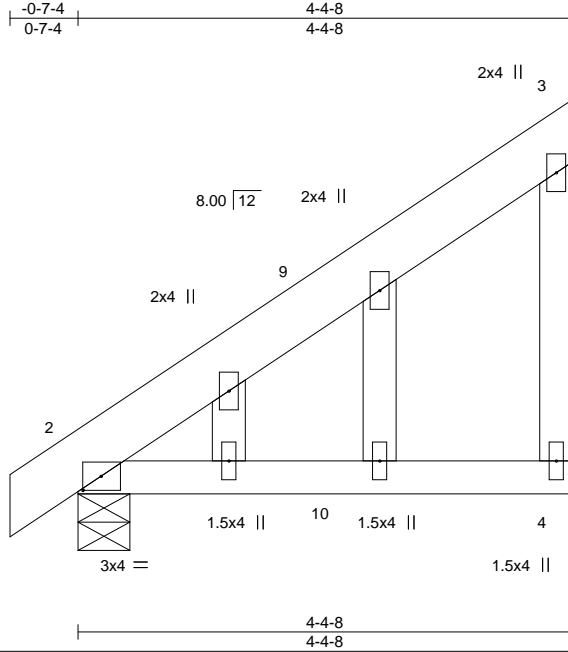
Job J1128349B	Truss EJB1	Truss Type GABLE	Qty 3	Ply 1	BRC Family LLC	I14526189
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The Truss Company (Sumner),

Sumner, WA - 98390,

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

ID:8pwdBHssSJtKgvzrYbzoM2yPvaF-7?Pfx_dD?uawhGbT1kzBMSVznHK0Y0ESiD_tLEyLBwx



Scale = 1:20.4

PRMU20221555

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: 25 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
 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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Job J1128349B	Truss EJC	Truss Type Monopitch	Qty 24	Ply 1	BRC Family LLC	14526190
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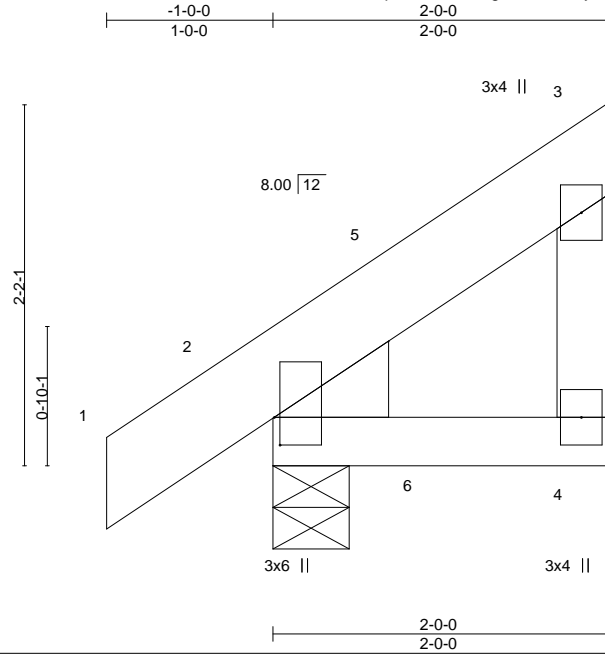
The Truss Company (Sumner),

Sumner, WA - 98390,

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

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PRMU20221555



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 (Roof Snow=25.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.07 BC 0.26 WB 0.00 Matrix-P	Vert(LL) -0.01 Vert(CT) -0.01 Horz(CT) 0.00	2-4 2-4 4	>999 >999 n/a	360 240 n/a	MT20	185/148
TCDL 15.0	Rep Stress Incr YES						Weight: 14 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
 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.



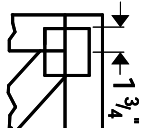
November 9, 2022

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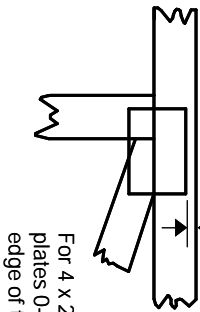


Symbols

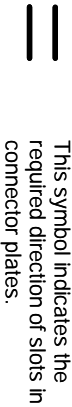
PLATE LOCATION AND ORIENTATION



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



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



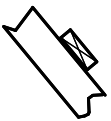
* Plate location details available in MITtek 20/20 software or upon request.

PLATE SIZE

4 X 4

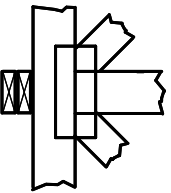
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

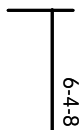


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

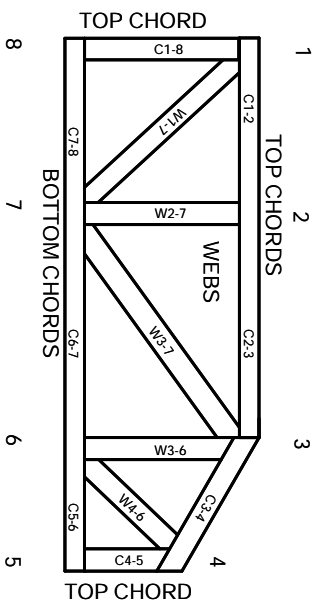
Industry Standards:

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



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



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/TP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP 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/TP 1 Quality Criteria.