

Trenco 818 Soundside Rd Edenton, NC 27932

Re: 22010318 WAG-8

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by The Building Center.

Pages or sheets covered by this seal: I49984283 thru I49984312

My license renewal date for the state of North Carolina is December 31, 2022.

North Carolina COA: C-0844



February 1,2022

Gilbert, Eric

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	WAG-8	
					149984	4283
22010318	A1	ATTIC	6	1		
					Job Reference (optional)	
The Building Center,	Gastonia, NC - 28052,		8.	430 s Aug	16 2021 MiTek Industries, Inc. Mon Jan 31 13:33:08 2022 Page 1	1







Plate Offsets (X,Y)	[7:0-6-0,0-2-8], [12:0-10-0,0-2-8], [15:0-	2-5,0-2-0], [28:0-2-8,0-3-0)], [39:0-3-8,0-2-0], [49:0)-3-8,0-4-0], [57:	0-3-8,0-3-0]			
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.86 BC 0.88 WB 0.96 Matrix-MSH	DEFL. ir Vert(LL) -0.26 Vert(CT) -0.50 Horz(CT) 0.06 Attic 0.14	n (loc) l/defl 5 46-48 >999 0 46-48 >706 5 20 n/a 4 28-45 1945	L/d 360 240 n/a 360	PLATES MT20 Weight: 585 lb	GRIP 244/190 FT = 20%	
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x6 SF WEBS 2x4 SF 6-46,20 SLIDER Right 2	2 No.2 2 No.1 2 No.3 *Except* 6-51,14-52,52-58: 2x4 SP No.2, 2-50: 2x 2x6 SP No.1 2-6-0	x6 SP No.1	BRACING- TOP CHORD BOT CHORD WEBS JOINTS	Structural woo 2-0-0 oc purlin Rigid ceiling di 1 Row at midp 1 Brace at Jt(s	d sheathing di s (2-11-11 ma irectly applied t 4): 53, 54, 55, 5	rectly applied, except x.): 7-12. or 4-5-4 oc bracing. I5-58, 54-57, 15-24, 5 66, 57, 35, 32, 30, 29,	end verticals, and -46 38, 42, 43, 59	d
REACTIONS. All be (lb) - Max H Max U Max G	earings 0-3-8 except (jt=length) 20=Mec lorz 50=-151(LC 11) lplift All uplift 100 lb or less at joint(s) 2 grav All reactions 250 lb or less at joint 25=1206(LC 25)	hanical. 0, 25 except 50=-155(LC (s) except 50=1909(LC 24	10) I), 20=1506(LC 2), 37=2	319(LC 16),				
FORCES. (lb) - Max. TOP CHORD 2-3=- 8-9=- 15-11	Comp./Max. Ten All forces 250 (lb) or -2792/249, 3-5=-2710/296, 5-6=-2358/30 -2784/535, 9-11=-2019/438, 11-12=-201 6=-2349/317, 16-18=-2356/240, 18-20=-	r less except when shown 05, 6-7=-1767/304, 7-8=-2 9/438, 13-14=-288/1538, -2385/224, 2-50=-1803/24	!784/535, 14-15=-907/118, 3					
BOT CHORD 49-5 39-4 27-3 21-2 35-3 28-2	D=237/434, 48-49=-228/2411, 46-48=-1 1=-179/283, 37-39=-1818/159, 36-37=-2 1=-41/736, 26-27=-79/924, 25-26=-84/80 2=-151/2089, 20-21=-151/2089, 43-45=- 8=264/1120	2007/224, 2 304 1002/2017 2017/2017/2017/2017 2017/2017/2017/2017/2017/2017/2017/2017/	, 41-44=-179/283, 2, 31-33=-41/736, =-62/1723, , 38-42=-189/3838, 20,					
WEBS 3-49 28-50 55-50 14-5 7-56 27-20 39-42 15-22 15-22 35-3	2=258/89, 45-46=-65/405, 45-58=-25/439 9=-960/220, 51-59=-1766/309, 16-22=-3 6=-544/1509, 55-57=-544/1509, 54-57=- 1=-3162/490, 7-53=-43/362, 12-54=-766 =-366/1368, 9-56=-255/94, 9-57=-997/13 9=-291/0, 38-39=0/719, 43-44=-308/0, 4 2=-2049/0, 27-30=-156/949, 30-33=-131 2=-205/805, 5-48=-48/386, 5-46=-581/13 9=-1306/184, 13-51=-1625/292, 13-54=- 47=-1151/0, 37-38=-1735/0	9, 6-58=-43/427, 26-28=-8 97/184, 2-49=-55/2070, 5 2006/275, 51-54=-3158/4 /178, 8-56=-307/115, 11-1 77, 12-57=-444/2115, 6-5 4-45=-651/165, 42-44=-1 0/0, 33-35=0/2076, 15-24 76, 24-28=-49/998, 15-28 -308/1603, 14-59=-227/16	05/115, 3-56=-501/117, 90, 57=-308/115, 3=-689/152, 33/1726, =-718/42, =-93/726, 27, 27-28=-120/731,		L	OR TH C	AR0////	· Manna

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-1-1, Exterior(2) 16-1-1 to 24-6-15, Interior(1) 24-6-15 to 36-0-9, Exterior(2) 36-0-9 to 44-6-7, Interior(1) 44-6-7 to 58-8-8, Exterior(2) 58-8-8 to 61-8-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





leb	Truce	Trues Type	Otv	DIV	WAG-8	
365	11035	Truss Type	Guy	l' 'y	14000	1202
		17710			14990	04203
22010318	A1	ATTIC	6	1		
					Job Reference (optional)	
The Building Center,	Gastonia, NC - 28052,		8.	430 s Aug	16 2021 MiTek Industries, Inc. Mon Jan 31 13:33:08 2022 Page	2

ID:Wo_1eCsrM7?X8Y6dRBGMxmygJt7-mIRzLBGmU7COGy?_Or8Zo9MEgTInsYdqtBDWpOzpq_9

NOTES-

- 3) 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.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) Ceiling dead load (5.0 psf) on member(s). 53-58, 53-56, 55-56, 55-57, 54-57, 51-54, 14-51, 15-59
- 9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 43-45, 42-43, 38-42, 35-38, 32-35, 30-32, 29-30, 28-29
- 10) Refer to girder(s) for truss to truss connections.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 25 except (jt=lb) 50=155.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Attic room checked for L/360 deflection.

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30-3-0 40-3-8 <u>36-3-0 39-3-0 41-8-12 45-11-15</u> 3-0-0 3-0-0 1-0-8 4-3-3 21-7-12 24-7-12 27-7-12 30-2-8 33-3-0 2-10-8 3-0-0 3-0-0 2-6-12 3-0-0 61-8-8 4-7-4 8-0-0 18-9-4 10-9-4 + 50-1-4 57-1-4 7-0-0 3-0-0 1-5-4 0-0-8

Plate Offsets (X,Y)--[2:0-1-7,0-1-8], [7:0-6-0,0-2-8], [10:0-1-12,0-3-4], [107:0-1-9,0-1-8], [109:0-1-9,0-1-8], [113:0-1-10,0-1-8], [12:0-6-0,0-2-8], [122:0-1-8,0-1-8], [137:0-1-9,0-1-8], [109:0-1-9,0-1-8], ,0-0-8], [135:0-1-9,0-0-8], [139:0-1-9,0-0-8], [14:0-1-14,0-1-0], [15:0-2-5,0-2-0], [20:0-5-13,0-0-1], [34:0-2-8,0-3-0], [73:0-2-0,0-2-8]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.70 BC 0.06 WB 0.68 Matrix-MSH	DEFL. in Vert(LL) -0.00 Vert(CT) 0.00 Horz(CT) 0.01	(loc) l/defl 1 n/r 1 n/r 20 n/a	L/d 120 90 n/a	PLATES MT20 Weight: 784 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x6 SF WEBS 2x4 SF 6-52,32 OTHERS 2x4 SF SLIDER Right 2	P No.2 P No.1 P No.3 *Except* 2-67,14-68,68-74: 2x4 SP No.2, 2-66: 2x No.3 Ix6 SP No.1 2-6-0	6 SP No.1	BRACING- TOP CHORD BOT CHORD WEBS JOINTS	Structural wood s except end vertic Rigid ceiling dire 1 Row at midpt 1 Brace at Jt(s):	sheathing dir cals, and 2-0 ctly applied o 6 69, 70, 71, 7	rectly applied or 6-0-0 c -0 oc purlins (3-10-10 r or 10-0-0 oc bracing. i-51, 34-75, 15-31, 15-2 2, 73, 41, 38, 36, 35, 4	oc purlins, nax.): 7-12. 27, 5-52 4, 48, 49, 75
REACTIONS. All be (lb) - Max H Max U Max G	earings 61-8-8. orz 66=-151(LC 11) plift All uplift 100 lb or less at joint(s) 6 32=-203(LC 6), 27=-190(LC 11), 51 irav All reactions 250 lb or less at joint 59, 60, 61, 64, 65, 29, 28, 26, 25, 2 63=496(LC 1), 32=975(LC 1), 27=5 42=263(LC 16), 39=377(LC 16), 37 47=361(LC 16), 50=375(LC 16), 58	6, 63, 52, 22, 43, 65 exce =-185(LC 7), 58=-138(LC (s) 52, 31, 20, 43, 53, 54, 4, 23, 21, 20 except 66=4 22(LC 23), 22=280(LC 23 =353(LC 16), 33=377(LC =302(LC 1)	pt :10), 62=-129(LC 3) 56, 57, 29(LC 1), 3), 51=800(LC 1), 16), 45=306(LC 16),				
FORCES. (lb) - Max. TOP CHORD 2-3=- 9-11: BOT CHORD 65-60 WEBS 3-63: 67-73 71-73 11-73 6-69: 14-73	Comp./Max. Ten All forces 250 (lb) or 321/83, 3-5=-250/112, 6-7=-715/294, 7- =-1575/596, 11-12=-1575/596, 13-14=-4 5=-238/276, 64-65=-238/276, 63-64=-23 =-366/65, 51-74=-765/211, 6-74=-777/2 5=-1383/454, 16-27=-377/184, 18-22=-3 3=-683/2018, 67-70=-1228/470, 14-67=- 3=-317/114, 7-72=-479/1345, 9-72=-321 =-166/596, 5-58=-259/56, 15-75=-505/20 5=-246/617	less except when shown. 8=-1860/703, 8-9=-1860/ 07/1244, 14-15=-119/409 8/276 15, 32-34=-910/254, 34-75 45/96, 69-72=-117/440, 7 1233/471, 12-70=-651/21 (/115, 9-73=-618/227, 12-7 00, 13-67=-1301/426, 13-7	703, , 2-66=-399/142 5=-1084/312, 1-72=-683/2018, 7, 8-72=-319/114, 73=-594/1648, 70=-437/1303,		L	OR TH C	AROLIN
NOTES- 1) Unbalanced roof live 2) Wind: ASCE 7-10; V gable end zone and 36-0-9, Exterior(2) 3 ;c-C for members a 3) Truss designed for V Gable End Details a	e loads have been considered for this de (ult=115mph Vasd=91mph; TCDL=5.0ps C-C Exterior(2) -0-10-8 to 2-1-8, Interior 6-0-9 to 44-6-7, Interior(1) 44-6-7 to 58- nd forces & MWFRS for reactions shown vind loads in the plane of the truss only. s applicable, or consult gualified building	sign. f; BCDL=5.0psf; h=35ft; C r(1) 2-1-8 to 16-1-1, Exteri 8-8, Exterior(2) 58-8 to 0 h; Lumber DOL=1.33 plate For studs exposed to wir a designer as per ANSI/TF	Cat. II; Exp B; Enclosed; N ior(2) 16-1-1 to 24-6-15, I 61-8-8 zone; cantilever le e grip DOL=1.33 nd (normal to the face), se P 1.	ለWFRS (envelop nterior(1) 24-6-15 ft and right expos ee Standard Indus	e) i to ed stry	SE/ 0363	AL 322

3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

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Edenton, NC 27932



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Job	Truss	Truss Type	Qty	Ply	WAG-8	
22010318	AIGE	GABLE	1	1	14998	4284
22010310			1		Job Reference (optional)	
The Building Center, G	astonia, NC - 28052,		8.4	130 s Aug	16 2021 MiTek Industries, Inc. Mon Jan 31 13:33:41 2022 Page	2

ID:Wo_1eCsrM7?X8Y6dRBGMxmygJt7-IfwRHTgTjGMij11KqHEId7EwnnDG4YChTpjIT_zppze

NOTES-

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) Provide adequate drainage to prevent water ponding.

6) All plates are 2x4 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Ceiling dead load (5.0 psf) on member(s). 6-7, 15-75
- 12) Bearing at joint(s) 51 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 66, 63, 52, 22, 43, 65 except (jt=lb) 32=203, 27=190, 51=185, 58=138, 62=129.
- 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

15) Attic room checked for L/360 deflection.

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Plate Offsets (X,Y)	[7:0-6-0,0-2-8], [12:0-10-0,0-2-8], [15:0-	2-5,0-2-0], [20:0-7-13,0-0-	-1], [28:0-2-8,0-3-0]				
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.73 BC 0.88 WB 0.81 Matrix-MSH	DEFL. i Vert(LL) -0.0 Vert(CT) -0.1 Horz(CT) 0.0 Attic 0.0	n (loc) l/defl 7 46-48 >999 3 46-48 >999 3 20 n/a 5 28-45 5266	L/d 360 240 n/a 360	PLATES MT20 Weight: 585 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x2 BOT CHORD 2x6 WEBS 2x2 6-4 SLIDER Rig	4 SP No.2 5 SP No.1 4 SP No.3 *Except* 6,26-51,14-52,52-58: 2x4 SP No.2, 2-50: 2x ht 2x6 SP No.1 2-6-0	(6 SP No.1	BRACING- TOP CHORD BOT CHORD WEBS JOINTS	Structural woo except end ver Rigid ceiling di 1 Row at midpi 1 Brace at Jt(s	d sheathing dii ticals, and 2-0 rectly applied (3): 53, 54, 55, 5	rectly applied or 3-11-2 I-0 oc purlins (3-2-8 ma or 6-0-0 oc bracing. 3-49, 45-58, 28-59, 15-3 56, 57, 35, 32, 30, 29, 3	c oc purlins, x.): 7-12. 24, 5-48 8, 42, 43, 59
REACTIONS. A (lb) - Ma Ma Ma	II bearings 0-3-8 except (jt=length) 20=Mec ax Horz 50=-151(LC 11) ax Uplift All uplift 100 lb or less at joint(s) 5 ax Grav All reactions 250 lb or less at joint 25=1657(LC 25)	nanical. 0, 20, 25 except 49=-182(i (s) 50 except 49=2245(LC	LC 10) 2), 20=1062(LC 1), 37	=1947(LC 16),			
FORCES. (Ib) - M TOP CHORD 2 8	lax. Comp./Max. Ten All forces 250 (lb) or -3=-82/515, 3-5=-908/153, 5-6=-1270/219, (-9=-2478/524, 9-11=-2017/438, 11-12=-201 4.15458/79, 15-161422/243, 15-1814	less except when shown. 5-7=-1264/261, 7-8=-2478 7/438, 12-13=-284/80, 13- 34/166, 18-201597/161	/524, -14=-277/1215,				
BOT CHORD 4 3 2 2	9-50=-224/276, 48-49=-380/137, 46-48=-53 9-41=0/585, 37-39=-721/101, 36-37=-1186/ 7-31=0/1233, 26-27=-70/692, 25-26=-74/58 1-22=-97/1401, 20-21=-97/1401, 43-45=-30	/789, 44-46=-56/1157, 41- 24, 33-36=-1193/25, 31-33 1, 24-25=-74/581, 22-24=- 8/120, 42-43=-308/120, 38	-44=0/585, 3=0/1233, -10/877, 8-42=-26/1784,				
3 WEBS 3 5 8 1 4 3 3 3 3 3 3 3 3 3	5-35=0/2/09, 32-35=-139/8/5, 30-32=-139/ -49=-1988/227, 45-46=-396/59, 45-58=-440 8-59=-1053/211, 51-59=-1540/308, 16-22=- 5-57=-497/1992, 54-57=-899/187, 51-54=-1 -56=-312/115, 11-57=-311/114, 7-56=-353/ 2-57=-439/1966, 6-53=-141/351, 27-29=-26 4-45=-180/309, 42-44=-27/764, 39-42=-130 3-35=0/1649, 15-24=-840/38, 15-22=-200/8 -48=-78/1548, 5-46=0/604, 24-28=-1/443, 1 3-51=-1437/294, 13-54=-302/1430, 14-59=- 7-38=-1268/0	8/5, 29-30=-552/69, 28-27 /121, 6-58=-457/125, 26-2 388/184, 2-49=-586/223, 4 986/390, 14-51=-1992/38 1494, 9-56=-346/85, 9-57= 6/0, 38-39=0/446, 43-44=- 5/0, 27-30=-118/501, 30-3 63, 18-22=-315/144, 5-48 5-28=-88/561, 15-59=-819 207/1014, 27-28=0/1128,	9=-502/69 28=-1101/97, 55-56=-497/1992, 9, 12-54=-670/174, 813/170, -313/0, 33=-921/0, =-899/96, 9/168, 35-37=-1069/0,		Ċ	PRESS	AROUNING AR

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-1-1, Exterior(2) 16-1-1 to 24-6-15, Interior(1) 24-6-15 to 36-0-9, Exterior(2) 36-0-9 to 44-6-7, Interior(1) 44-6-7 to 58-8-8, Exterior(2) 58-8-8 to 61-8-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

SEAL 036322 February 1,2022



Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	WAG-8	
					14998	4285
22010318	A2	ATTIC	1	1		
					Job Reference (optional)	
The Building Center. G	astonia. NC - 28052.		8.4	430 s Aua	16 2021 MiTek Industries, Inc. Mon Jan 31 13:33:45 2022 Page	2

ID:Wo_1eCsrM7?X8Y6dRBGMxmygJt7-BQAy6qj_mUs8CeK537IEozObKONI0K8GORhzclzppza

NOTES-

- 3) 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.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) Ceiling dead load (5.0 psf) on member(s). 53-58, 53-56, 55-56, 55-57, 54-57, 51-54, 14-51, 15-59
- 9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 43-45, 42-43, 38-42, 35-38, 32-35, 30-32, 29-30, 28-29
- 10) Refer to girder(s) for truss to truss connections.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 50, 20, 25 except (jt=lb) 49=182.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Attic room checked for L/360 deflection.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses sand truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Scale = 1:112.5





Plate Offsets (X, Y)	[2:0-4-10,0-3-0], [7:0-6-0,0-2-8], [12:0-1	0-0,0-2-8], [15:0-2-5,0-2-0)], [20:0-5-13,0-0-1], [28	<u>8:0-2-8,0-3-0], [42:0-3-8,0-2-8], [4</u>	13:0-3-8,0-2-8], [51:0-4-0,0-3-0]
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrNOCodeIRC2015/TPI2014	CSI. TC 0.75 BC 0.94 WB 0.95 Matrix-MSH	DEFL. i Vert(LL) -0.2 Vert(CT) -0.4 Horz(CT) 0.3	n (loc) l/defl L/d 1 40 >999 360 0 40-42 >571 240 3 20 n/a n/a	PLATES GRIP MT20 244/190 Weight: 526 lb FT = 20%
LUMBER- TOP CHORD 2x4 SP 1-4: 2x4	No.2 *Except* 4 SP DSS		BRACING- TOP CHORD	Structural wood sheathing dire	ectly applied or 5-10-5 oc purlins, 0 oc purlins (3-6-15 max.): 7-12.

	1-4: 2x4 SP DSS		except end verticals, and 2-	0-0 oc purlins (3-6-15 max.): 7-12.
BOT CHORD	2x6 SP No.1	BOT CHORD	Rigid ceiling directly applied	l or 4-4-12 oc bracing.
WEBS	2x4 SP No.3 *Except*	WEBS	1 Row at midpt	3-43, 6-40, 26-53, 15-24, 5-42, 15-28
	6-40,26-45,14-46,3-42,46-52: 2x4 SP No.2, 2-44: 2x6 SP No.1		2 Rows at 1/3 pts	2-43
SLIDER	Right 2x6 SP No.1 2-6-0	JOINTS	1 Brace at Jt(s): 47, 48, 49,	50, 51, 29, 35, 37, 31, 53, 34

REACTIONS. All bearings 0-3-8 except (jt=length) 43=0-5-0 (input: 0-3-8), 20=Mechanical. (lb) - Max Horz 44=-151(LC 11)

 Max Uplift
 All uplift 100 lb or less at joint(s) 30 except 44=-1628(LC 21), 43=-438(LC 10), 20=-172(LC 11), 25=-160(LC 6)

 Max Grav
 All reactions 250 lb or less at joint(s) except 44=251(LC 7), 43=4258(LC

22), 33=697(LC 3), 20=660(LC 23), 30=785(LC 1), 25=1575(LC 1)

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

TOP CHORD	2-3=-428/3322, 3-5=-98/1003, 5-6=-168/341, 6-7=-876/389, 7-8=-2127/794,
	8-9=-2127/794, 9-11=-1646/674, 11-12=-1646/674, 12-13=0/326, 13-14=-490/2122,
	14-15=-163/858, 15-16=-555/390, 16-18=-570/289, 18-20=-877/286, 2-44=-208/1659
BOT CHORD	42-43=-2873/311, 40-42=-761/88, 38-40=-43/338, 36-38=-20/1022, 33-36=-20/1022,
	37-39=-1285/60, 35-37=-1285/60, 26-27=-197/1213, 25-26=-169/1066, 24-25=-169/1066,
	21-22=-212/798, 20-21=-212/798, 29-31=-1026/134, 28-29=-1026/134
WEBS	3-43=-3574/494, 39-40=-1456/238, 39-52=-862/225, 6-52=-872/229, 26-28=-1150/224,
	28-53=-1448/340, 45-53=-1973/499, 16-22=-381/186, 2-43=-2986/424, 47-50=-165/729,
	49-50=-758/2403, 49-51=-758/2403, 48-51=-324/228, 45-48=-1866/590, 14-45=-1868/590,
	12-48=-896/242, 8-50=-317/114, 11-51=-318/114, 7-50=-511/1473, 9-50=-290/124,
	9-51=-813/254, 12-51=-652/2021, 6-47=-187/699, 38-39=-27/1070, 35-38=-51/323,
	33-35=-1064/23, 27-31=-171/1321, 15-24=-437/107, 15-22=-196/889, 18-22=-424/104,
	5-42=-1876/264, 3-42=-328/2961, 5-40=-167/1438, 24-28=-1105/219, 15-28=-154/253,
	15-53=-780/227, 13-45=-1834/466, 13-48=-499/1847, 14-53=-278/947, 30-31=-822/102,
	32-34=-258/0

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-1-1, Exterior(2) 16-1-1 to 24-6-15, Interior(1) 24-6-15 to 36-0-9, Exterior(2) 36-0-9 to 44-6-7, Interior(1) 44-6-7 to 58-8-8, Exterior(2) 58-8-8 to 61-8-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Job	Truss	Truss Type	Qty	Ply	WAG-8	
					1499842	286
22010318	A3	ATTIC	2	1		
					Job Reference (optional)	
The Building Center.	Gastonia, NC - 28052.		8.	430 s Aua	16 2021 MiTek Industries, Inc. Mon Jan 31 13:33:49 2022 Page 2	

ID:Wo_1eCsrM7?X8Y6dRBGMxmygJt7-3BPTyCmUqjMagGesIyNAypZG1?jKy5zsJ3fAlWzppzW

NOTES-

- 3) 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.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) WARNING: Required bearing size at joint(s) 43 greater than input bearing size.
- 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) 30 except (jt=lb) 44=1628, 43=438, 20=172, 25=160.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 12) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
- 13) Attic room checked for L/360 deflection.
- 14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
- Uniform Loads (plf)
 - Vert: 1-2=-60, 2-7=-60, 7-12=-60, 12-20=-60, 32-44=-20, 39-65=-100, 34-65=-20, 14-52=-10(F), 30-54=-20, 28-31=-100

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LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrNOCode IRC2015/TPI2014	CSI. TC 0.76 BC 0.94 WB 0.97 Matrix-MSH	DEFL. in Vert(LL) -0.21 Vert(CT) -0.42 Horz(CT) 0.34	i (loc) l/defl L/d 39 >999 360 39 >572 240 20 n/a n/a	PLATES GRIP MT20 244/190 Weight: 525 lb FT = 20%				
LUMBER- BRACING- TOP CHORD 2x4 SP No.2 *Except* TOP CHORD Structural wood sheathing directly applied or 5-10-6 oc purlins, except end verticals, and 2-0-0 oc purlins (3-7-0 max.): 7-12. BOT CHORD 2x6 SP No.1 BOT CHORD BOT CHORD Structural wood sheathing directly applied or 4-3-13 oc bracing. WEBS 2x4 SP No.3 *Except* BOT CHORD BOT CHORD Rigid ceiling directly applied or 4-3-13 oc bracing. SLIDER Right 2x6 SP No.1 2-6-0 JOINTS 1 Brace at Jt(s): 34, 46, 47, 48, 49, 50, 29, 35, 36, 31, 52									
REACTIONS. All be (lb) - Max H Max U Max G	REACTIONS. All bearings 0-3-8 except (jt=length) 42=0-5-2 (input: 0-3-8), 20=Mechanical. (lb) - Max Horz 43=-151(LC 11) Max Uplift All uplift 100 lb or less at joint(s) 30 except 43=-1686(LC 21), 42=-437(LC 10), 20=-172(LC 11), 25=-160(LC 6) Max Grav All reactions 250 lb or less at joint(s) except 43=251(LC 7), 42=4363(LC 22), 32=678(LC 3), 20=659(LC 23), 30=785(LC 1), 25=1576(LC 1)								
FORCES. (lb) - Max. TOP CHORD 2-3=- 8-9=- 14-12 BOT CHORD 41-42 36-34	FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-428/3424, 3-5=-98/1038, 5-6=-168/341, 6-7=-876/389, 7-8=-2125/794, 8-9=-2125/794, 9-11=-1639/674, 11-12=-1639/674, 12-13=0/337, 13-14=-490/2143, 14-15=-163/867, 15-16=-554/391, 16-18=-569/289, 18-20=-876/286, 2-43=-208/1715 BOT CHORD 41-42=-2964/312, 39-41=-794/89, 37-39=-42/339, 33-37=-18/1212, 32-33=-18/1212,								
WEBS 3-42: 28-52 48-44 12-4 9-500 32-33 5-41:	2=-212/797, 20-21=-212/797, 29-31=-10 =-3661/495, 38-39=-1488/237, 38-51=-8 2=-1453/341, 44-52=-1985/499, 16-22=- 9=-758/2398, 48-50=-758/2398, 47-50=- 7=-901/242, 8-49=-317/114, 11-50=-318 =-816/254, 12-50=-652/2024, 6-46=-188 5=-1271/18, 27-31=-171/1322, 15-24=-4 =-1941/266, 3-41=-328/3043, 5-39=-167	27/134, 28-29=-1027/134 60/225, 6-51=-870/229, 26- 381/186, 2-42=-3072/424, 4 335/229, 44-47=-1885/590, 3/114, 7-49=-511/1470, 9-4 /699, 36-37=-269/19, 37-38 36/108, 15-22=-196/889, 18 /1496, 24-28=-1108/219, 15	- 25 - 155/224, 46-49=-165/730, 14-44=-1887/590, 9=-287/124, 1=-26/1171, 3-22=-424/103, 5-28=-154/257.	6	TH CARO				

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-1-1, Exterior(2) 16-1-1 to 24-6-15, Interior(1) 24-6-15 to 36-0-9, Exterior(2) 36-0-9 to 44-6-7, Interior(1) 44-6-7 to 58-8-8, Exterior(2) 58-8-8 to 61-8-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

15-52=-789/227, 13-44=-1844/466, 13-47=-499/1857, 14-52=-278/957, 30-31=-823/102

SEAL 036322 February 1,2022



Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	WAG-8	
						49984287
22010318	A4	ATTIC	2	1		
					Job Reference (optional)	
The Building Center. G	astonia. NC - 28052.		8.4	430 s Aua	16 2021 MiTek Industries. Inc. Mon Jan 31 13:33:53 2022 P	age 2

ID:Wo_1eCsrM7?X8Y6dRBGMxmygJt7-yyfzoZp?uyt?9txeXoS67fjyvc5GuueSEhdOuHzppzS

NOTES-

- 3) 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.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) WARNING: Required bearing size at joint(s) 42 greater than input bearing size.
- 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) 30 except (jt=lb) 43=1686, 42=437, 20=172, 25=160.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 12) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
- 13) Attic room checked for L/360 deflection.
- 14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
- Uniform Loads (plf)
 - Vert: 1-2=-60, 2-7=-60, 7-12=-60, 12-20=-60, 32-43=-20, 34-38=-100, 14-51=-10(F), 30-53=-20, 28-31=-100

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses sand truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Scale = 1:113.6



Plate Offsets (X Y)	[7.0-6-0 0-2-8]	[12:0-10-0.0-2-8] [15:0-4-9.0-2-0] [26:0-2-8.0-3-0]	
	11.0 0 0,0 Z 0],		

Plate Offsets (X,Y)	[7:0-6-0,0-2-8], [12:0-10-0,0-2-8], [15:0-	4-9,0-2-0], [26:0-2-8,0-3-0)]					
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.70 BC 0.59 WB 0.99 Matrix-MSH	DEFL. Vert(LL) -0 Vert(CT) -0 Horz(CT) 0 Attic 0	in (loc) .07 27-28 .12 27-28 .03 19 .04 26-42	l/defl >999 >999 n/a 6683	L/d 360 240 n/a 360	PLATES MT20 Weight: 583 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SP No.2 BRACING- TOP CHORD TOP CHORD Structural wood sheathing directly applied or 4-5-13 oc purlins, except end verticals, and 2-0-0 oc purlins (3-1-7 max.): 7-12. WEBS 2x4 SP No.3 *Except* 6-43,24-48,14-49,49-55: 2x4 SP No.2, 2-47: 2x6 SP No.1 BOT CHORD WEBS Rigid ceiling directly applied or 6-0-0 oc bracing. 1 Row at midpt 42-55, 15-21 JOINTS 1 Row at midpt 42-55, 15-21 JOINTS 1 Brace at Jt(s): 50, 51, 52, 53, 54, 33, 30, 28, 27, 35, 39, 40, 56 REACTIONS. All bearings 0-3-8 except (jt=length) 19=0-3-0. (lb) Max Horz 47=-167(LC 11) Max Uplift 1 Brace pt Jt(s): 50, 51, 52, 53, 54, 33, 30, 28, 27, 35, 39, 40, 56 Max Grav All reactions 250 lb or less at joint(s) except 46=-251(LC 10) Max Grav Mar Grav All reactions 250 lb or less at joint(s) except 47=402(LC 1), 46=1849(LC 24), 21=2671(LC 25), 36=1904(LC 16), 19=383(LC 1)								
FORCES. (Ib) - Max. TOP CHORD 2-3= 8-9= 14-1	Comp./Max. Ten All forces 250 (lb) or -314/72, 3-5=-1188/152, 5-6=-1428/229, -2589/514, 9-11=-2236/439, 11-12=-223 -836/73, 15-16=-6/500, 16-18=-20/55	less except when shown. 6-7=-1337/266, 7-8=-258 6/439, 12-13=-654/67, 13 18-19=-498/180, 2-47=-	9/514, -14=-352/766, 335/85					
BOT CHORD 46-4 24-2 40-4 28-3	14-15=-836//3, 15-16=-6/500, 16-18=-20/551, 18-19=-498/180, 2-47=-335/85 BOT CHORD 46-47=-210/310, 43-45=-22/1030, 41-43=-43/1254, 29-31=0/1785, 25-29=0/1785, 24-25=-64/932, 23-24=-55/938, 21-23=-25/675, 20-21=-125/398, 19-20=-125/398, 40-42=-52/305, 39-40=-52/305, 35-39=0/2407, 33-35=0/2407, 30-33=-522/468,							
28-30=-522/468, 27-28=-494/104, 26-27=-494/104 NEBS 3-46=-1668/273, 42-43=-279/83, 42-55=-383/122, 6-55=-402/126, 26-56=-859/208, 48-56=-1265/331, 16-21=-384/183, 18-20=0/268, 2-46=-228/299, 52-53=-484/1982, 52-54=-484/1982, 51-54=-748/208, 48-51=-1746/436, 14-48=-1751/437, 12-51=-548/193, 8-53=-311/115, 11-54=-309/114, 7-53=-350/1544, 9-53=-407/83, 9-54=-778/178, 12-54=-448/1921, 6-50=-176/266, 30-31=-318/0, 25-27=-304/0, 35-36=-496/0, 40-41=-320/0, 41-42=-336/70, 39-41=0/1090, 36-39=-1306/0, 33-36=-1506/0, 25-28=-393/168, 28-31=-405/3, 31-33=0/1443, 15-21=-2124/0, 18-21=-635/165, 5-45=-706/117, 3-45=-107/1248, 5-43=-20/425, 23-26=-515/166, 15-26=-20/1225, 15-56=-706/191, 13-48=-1190/311, 13-51=-337/1209, 14-56=-236/874, 25-26=0/1090								

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-1-1, Exterior(2) 16-1-1 to 24-6-15, Interior(1) 24-6-15 to 36-0-9, Exterior(2) 36-0-9 to 44-6-7, Interior(1) 44-6-7 to 59-8-8, Exterior(2) 59-8-8 to 62-8-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) 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 Contriacingon page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to preven tbuckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses sand truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



SEAL



Job	Truss	Truss Type	Qty	Ply	WAG-8
00040040					149984288
22010318	A5	ATTIC	3	1	Job Reference (optional)
The Building Center, C	astonia, NC - 28052,	l	8.	430 s Aug	16 2021 MiTek Industries, Inc. Mon Jan 31 13:33:56 2022 Page 2

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jan 31 13:33:56 2022 Page 2 ID:Wo_1eCsrM7?X8Y6dRBGMxmygJt7-MXK6QbrtBtFa0KgDCw?pkHLU5qBU5F5uwer2VczppzP

NOTES-

4) Provide adequate drainage to prevent water ponding.

5) All plates are 2x4 MT20 unless otherwise indicated.

6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.

- 8) Ceiling dead load (5.0 psf) on member(s). 50-55, 50-53, 52-53, 52-54, 51-54, 48-51, 14-48, 15-56
- 9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 40-42, 39-40, 35-39, 33-35, 30-33, 28-30, 27-28, 26-27

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 47, 21, 19 except (jt=lb) 46=251.

11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

12) Attic room checked for L/360 deflection.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design in to the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing tabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTPH 1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Otv	Plv	WAG-8	
000	11400		~.,	,		149984289
22010318	46	ATTIC	2	1		
22010010			-		Job Reference (optional)	
The Building Center. G	astonia. NC - 28052.		8.4	430 s Aua	16 2021 MiTek Industries, Inc. Mon Jan 31 13:34:00 2022	Page 2

NOTES-

ID:Wo_1eCsrM7?X8Y6dRBGMxmygJt7-EJadGyvOE5l0Vy__Rm4lv7W8fRXF151UrGpGeNzppzL

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-1-1, Exterior(2) 16-1-1 to 24-6-15, Interior(1) 24-6-15 to 36-0-9, Exterior(2) 36-0-9 to 44-6-7, Interior(1) 44-6-7 to 60-8-1, Exterior(2) 60-8-1 to 63-8-1 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) 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.

4) Provide adequate drainage to prevent water ponding.

5) All plates are 2x4 MT20 unless otherwise indicated.

6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.

8) Ceiling dead load (5.0 psf) on member(s). 53-58, 53-56, 55-56, 55-57, 54-57, 51-54, 14-51, 15-59

- 9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 43-45, 42-43, 38-42, 36-38, 33-36, 32-33, 30-32, 27-30, 26-27
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 583 lb uplift at joint 50 and 256 lb uplift at joint 22.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

12) Attic room checked for L/360 deflection.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses sand truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	WAG-8
22010318	Δ7	ATTIC	5	1	149984290
22010010	74		U		Job Reference (optional)
The Building Center,	Gastonia, NC - 28052,		8.	430 s Aug	16 2021 MiTek Industries, Inc. Mon Jan 31 13:34:03 2022 Page 2

ID:Wo_1eCsrM7?X8Y6dRBGMxmygJt7-fuFlu_xGX07bMPiZ6udSXm8iXeUtER1wXE2wFizppzI

NOTES-

- 3) 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.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) Ceiling dead load (5.0 psf) on member(s). 53-58, 53-56, 55-56, 55-57, 54-57, 51-54, 14-51, 15-59
- 9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 43-45, 42-43, 38-42, 36-38, 33-36, 32-33, 30-32, 27-30, 26-27
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 50, 21.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 12) Attic room checked for L/360 deflection.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses sand truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins,
BOT CHORD	2x6 SP No.1		except end verticals, and 2-0-0 oc purlins (3-10-11 max.): 7-12.
WEBS	2x4 SP No.3 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
	6-52,31-66,14-67,67-73: 2x4 SP No.2, 2-65: 2x6 SP No.1	WEBS	1 Row at midpt 6-52, 31-74, 15-30, 15-26, 5-52
OTHERS	2x4 SP No.3	JOINTS	1 Brace at Jt(s): 68, 69, 70, 71, 72, 42, 39, 38, 36, 44, 48, 49, 74

REACTIONS. All bearings 57-3-0 except (jt=length) 19=0-3-0.

(lb) - Max Horz 65=-180(LC 11)

- Max Uplift All uplift 100 b or less at joint(s) 65, 62, 52, 21, 19, 34, 64 except 31=-251(LC 6), 26=-195(LC 11), 51=-193(LC 7), 58=-122(LC 10), 61=-126(LC 3), 22=-389(LC 3) Max Grav All reactions 250 lb or less at joint(s) 52, 30, 34, 53, 54, 56, 57, 59, 60, 63, 64, 28, 27, 25, 24, 23 except 65=430(LC 1), 62=496(LC 1),
 - 31=1019(LC 1), 26=508(LC 23), 21=763(LC 23), 21=762(LC 1), 51=776(LC 22), 43=353(LC 16), 40=365(LC 16), 37=367(LC 16), 35=315(LC 16), 45=368(LC 16), 45=368(
 - 47=357(LC 16), 50=352(LC 16), 58=333(LC 1), 19=273(LC 23)

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

- TOP CHORD 2-3=-322/90, 3-5=-252/121, 6-7=-704/296, 7-8=-1856/708, 8-9=-1856/708,
- 9-11=-1573/599, 11-12=-1573/599, 13-14=-404/1245, 14-15=-115/409, 2-65=-400/146 BOT CHORD 64-65=-224/292, 63-64=-224/292, 62-63=-224/292, 61-62=-68/253, 60-61=-68/253,
- 59-60=-68/253, 58-59=-68/253 WEBS 3-62=-357/68, 51-73=-749/203, 6-73=-761/207, 31-32=-935/281, 32-74=-1061/319, 66-74=-1383/453, 16-26=-373/183, 18-21=-356/99, 68-71=-119/432, 70-71=-682/2013, 70-72=-682/2013, 66-69=-1230/473, 14-66=-1235/474, 12-69=-650/216, 8-71=-319/114, 11-72=-317/114, 7-71=-477/1347, 9-71=-322/114, 9-72=-617/229, 12-72=-595/1646, 6-68=-168/587, 5-58=-260/53, 15-74=-488/196, 13-66=-1301/425, 13-69=-436/1303, 14-74=-247/619

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 17-4-0, Exterior(2) 17-4-0 to 23-4-0, Interior(1) 23-4-0 to 37-3-8, Exterior(2) 37-3-8 to 43-5-5, Interior(1) 43-5-5 to 60-8-1, Exterior(2) 60-8-1 to 63-8-1 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Job	Truss	Truss Type	Qty	Ply	WAG-8
22010318	47GE	GABLE	1	1	149984291
22010310	Arde	GADEE	'	· ·	Job Reference (optional)
The Building Center, C	Gastonia, NC - 28052,		8.	430 s Aug	16 2021 MiTek Industries, Inc. Mon Jan 31 13:34:38 2022 Page 2

ID:Wo_1eCsrM7?X8Y6dRBGMxmygJt7-7dt_EyMDInXd3nuHfllgR85fOlfuxKK4aB0GzAzppyl

NOTES-

- 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) Provide adequate drainage to prevent water ponding.
- 6) All plates are 2x4 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- 10) Bearing at joint(s) 51 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 65, 62, 52, 21, 19, 34, 64 except (jt=lb) 31=251, 26=195 , 51=193, 58=122, 61=126, 22=389.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Attic room checked for L/360 deflection.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses sand truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-0-0, Exterior(2) 7-0-0 to 13-0-0, Interior(1) 13-0-0 to 17-10-8, Exterior(2) 17-10-8 to 20-10-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7.

6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses sand truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





BCDL	10.0
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LUMBER-		BRACING-	
TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
WEBS OTHERS	2x4 SP No.3 2x4 SP No.3	BOT CHORD WEBS	Rigid ceiling directly applied or 10-0-0 oc bracing. 1 Row at midpt 10-28

REACTIONS. All bearings 20-0-0.

(lb) - Max Horz 37=183(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 20, 29, 30, 31, 32, 34, 35, 27, 26, 25, 24, 23, 22 except 37=-160(LC 8), 36=-206(LC 10), 21=-178(LC 11)

Max Grav All reactions 250 lb or less at joint(s) 20, 28, 29, 30, 31, 32, 34, 35, 36, 27, 26, 25, 24, 23, 22, 21 except 37=253(LC 10)

Matrix-R

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

Code IRC2015/TPI2014

NOTES

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 20-0, Exterior(2) 2-0-0 to 7-0-0, Corner(3) 7-0-0 to 13-0-0, Exterior(2) 13-0-0 to 17-10-8, Corner(3) 17-10-8 to 20-10-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

All plates are 2x4 MT20 unless otherwise indicated.

5) Gable requires continuous bottom chord bearing.

6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

7) Gable studs spaced at 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0
- 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) 20, 29, 30, 31, 32, 34, 35, 27, 26, 25, 24, 23, 22 except (jt=lb) 37=160, 36=206, 21=178.



Weight: 173 lb

FT = 20%

AMITERATINE CONTRACTOR OF CONT

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818 Soundside Road

Edenton, NC 27932

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Job	Truss	Truss Type	Qty	Ply	WAG-8	
						149984294
22010318	DGR	COMMON GIRDER	1	2		
				-	Job Reference (optional)	
The Building Center,	Gastonia, NC - 28052,		8.	430 s Aug	16 2021 MiTek Industries, Inc. Mon Jan 31 13:34:43 2022	2 Page 2
		ID:Wo_1	eCsrM7?X8	Y6dRBGN	/xmygJt7-UagtHgQM6JAv9ZmFSILr8BoXemKqcWrpjSk1e	eOzppyg

LOAD CASE(S) Standard

Uniform Loads (plf) Vert: 1-3=-60, 3-6=-60, 11-14=-20

Concentrated Loads (lb)

Vert: 9=-1042(B) 8=-1467(B) 13=-640(B) 17=-639(B) 18=-640(B) 19=-640(B) 20=-1467(B) 21=-1467(B) 22=-1467(B) 23=-1467(B) 24=-1467(B) 24=-14

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7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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- All plates are 2x4 M120 unless otherwise indicate
 Gable requires continuous bottom chord bearing.
- 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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 16, 17, 18, 14, 13, 12.
- 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-3-15 to 3-3-15, Interior(1) 3-3-15 to 6-11-12, Exterior(2) 6-11-12 to 12-11-12, Interior(1) 12-11-12 to 16-7-9, Exterior(2) 16-7-9 to 19-7-9 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) Gable requires continuous bottom chord bearing.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 10=110, 8=110.

 See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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(lb) - Max Horz 1=66(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 1, 15, 2, 22, 23, 24, 25, 26, 20, 19, 18, 17, 16, 14

Max Grav All reactions 250 lb or less at joint(s) 1, 15, 2, 21, 22, 23, 24, 25, 26, 20, 19, 18, 17, 16, 14

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-3-15 to 3-3-12, Exterior(2) 3-3-12 to 6-11-12, Corner(3) 6-11-12 to 12-11-12, Exterior(2) 12-11-12 to 16-7-9, Corner(3) 16-7-9 to 19-7-9 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

4) All plates are 2x4 MT20 unless otherwise indicated.

5) Gable requires continuous bottom chord bearing

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 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0

between the bottom chord and any other members. 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 15, 2, 22, 23, 24, 25, 26, 20, 19, 18, 17, 16, 14.

10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0
- between the bottom chord and any other members, with BCDL = 10.0psf. 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 22, 32, 31, 34, 35, 36, 37, 38, 39, 40, 41, 30, 29, 27, 26, 25, 24, 23.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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0- <u>0-5</u> 0-0-5			<u>26-5-0</u> 26-4-11					
Plate Offsets (X,Y)	[4:0-3-0,0-0-4], [7:0-2-0,0-1-13]							
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.20 BC 0.11 WB 0.18 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) n/a - n/a - 0.00 9	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 123 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SF	2 No.2	BRACING- TOP CHORI	D Struct	ural wood	sheathing di	rectly applied or 6-0-0	oc purlins, except	

BOT CHORD

2-0-0 oc purlins (6-0-0 max.): 4-7.

Rigid ceiling directly applied or 10-0-0 oc bracing.

BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3

REACTIONS. All bearings 26-4-6.

(lb) - Max Horz 1=-120(LC 6)

Max Uplift All uplift 100 lb or less at joint(s) 1, 12, 13, 15 except 16=-138(LC 10), 10=-147(LC 11)

Max Grav All reactions 250 lb or less at joint(s) 1, 9 except 11=278(LC 1), 12=341(LC 21), 13=323(LC 22), 15=305(LC 21), 16=320(LC 17), 10=351(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. WEBS 6-12=-261/97, 8-10=-269/182

NOTES-1) Unbalanced roof live loads have been considered for this design.

Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-13 to 11-8-5, Interior(1) 11-8-5 to 14-8-11, Exterior(2) 14-8-11 to 26-0-3 zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) Provide adequate drainage to prevent water ponding.

4) All plates are 2x4 MT20 unless otherwise indicated.

5) Gable requires continuous bottom chord bearing.

6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 12, 13, 15 except (jt=lb) 16=138, 10=147.

9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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			23-11-14		<u>24-</u> p-3
			23-11-14		0-0-5
Plate Offsets (X,Y)	[4:0-3-0,0-0-4], [7:0-2-0,0-1-13]				
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.20 BC 0.11 WB 0.13 Matrix-S	DEFL. in Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	n (loc) l/defl L/d a - n/a 999 a - n/a 999 9 n/a n/a	PLATES GRIP MT20 244/190 Weight: 106 lb FT = 20%
LUMBER- TOP CHORD 2x4 S BOT CHORD 2x4 S OTHERS 2x4 S	P No.2 P No.2 P No.3		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire 2-0-0 oc purlins (6-0-0 max.): 4 Rigid ceiling directly applied or	ctly applied or 6-0-0 oc purlins, except I-7. 10-0-0 oc bracing.

REACTIONS. All bearings 23-11-10.

(lb) - Max Horz 1=-100(LC 6)

6-12=-261/97

 Max Uplift
 All uplift 100 lb or less at joint(s) 1, 9, 11, 12, 13, 15 except 16=-132(LC 10), 10=-134(LC 11)

 Max Grav
 All reactions 250 lb or less at joint(s) 1, 9 except 11=286(LC 1), 12=340(LC 21), 13=322(LC 22), 15=309(LC 21), 16=298(LC 17), 10=312(LC 18)

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

WEBS

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-13 to 10-5-15, Interior(1) 10-5-15 to 13-6-5, Exterior(2) 13-6-5 to 23-7-6 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) Provide adequate drainage to prevent water ponding.

4) All plates are 2x4 MT20 unless otherwise indicated.

5) Gable requires continuous bottom chord bearing.

6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 11, 12, 13, 15 except (jt=lb) 16=132, 10=134.

9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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0-0-5			1-7-2	
Plate Offsets (X,Y)	[3:0-3-0,0-0-4], [6:0-2-0,0-1-13]			
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.30 BC 0.17 WB 0.09 Matrix-S	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 7 n/a n/a	PLATES GRIP MT20 244/190 Weight: 88 lb FT = 20%
LUMBER- TOP CHORD 2x4 SI BOT CHORD 2x4 SI	P No.2 P No.2		BRACING- TOP CHORD Structural wood sheath 2-0-0 oc purlins (6-0-0)	ng directly applied or 6-0-0 oc purlins, except nax.): 3-6.

21-7-6

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 21-6-13.

(lb) - Max Horz 1=-80(LC 6)

2x4 SP No.3

Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 8, 9, 10 except 12=-104(LC 10)

Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 8=375(LC 1), 9=334(LC 21), 10=322(LC 22), 12=372(LC 17)

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

WEBS 6-8=-262/118, 5-9=-260/100, 2-12=-269/140

NOTES-

OTHERS

0-Q-5

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-13 to 9-3-8, Interior(1) 9-3-8 to 12-3-14, Exterior(2) 12-3-14 to 21-2-9 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) Provide adequate drainage to prevent water ponding.

4) Gable requires continuous bottom chord bearing.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 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) 1, 7, 8, 9, 10 except (jt=lb) 12=104.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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19-2-5 Plate Offsets (X,Y) [3:0-3-0,0-0-4], [6:0-2-0,0-1-13]		0-0-5
Plate Offsets (X,Y) [3:0-3-0,0-0-4], [6:0-2-0,0-1-13]		
LOADING (pst) SPACING- 2-0-0 CSI. DEFL. ir TCLL 20.0 Plate Grip DOL 1.15 TC 0.20 Vert(LL) n/z TCDL 10.0 Lumber DOL 1.15 BC 0.11 Vert(CT) n/z BCLL 0.0 * Rep Stress Incr YES WB 0.06 Horz(CT) 0.0	in (loc) l/defl L/d PLATES GRII //a - n/a 999 //a - n/a 999 //a - n/a 999 00 7 n/a n/a	P '190
BCDL 10.0 Code IRC2015/TPI2014 Matrix-S	Weight: 74 lb F	T = 20%
LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3 BOT CHORD 2x4 SP No.3	Structural wood sheathing directly applied or 6-0-0 oc pu 2-0-0 oc purlins (6-0-0 max.): 3-6.	Irlins, except

10.2.5

REACTIONS. All bearings 19-2-0.

(lb) - Max Horz 1=-59(LC 6)

5-9=-260/97

Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 8, 9, 10, 12

Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 8=284(LC 1), 9=339(LC 21), 10=325(LC 22), 12=279(LC 21)

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

WEBS

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-13 to 8-1-2, Interior(1) 8-1-2 to 11-1-8, Exterior(2) 11-1-8 to 18-9-12 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) Provide adequate drainage to prevent water ponding.

4) Gable requires continuous bottom chord bearing.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0

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) 1, 7, 8, 9, 10, 12.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



10-2-10

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6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=141, 6=141.



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A MiTek Affi 818 Soundside Road Edenton, NC 27932



Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-132(LC 10), 6=-132(LC 11)

Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=308(LC 17), 6=308(LC 18)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) Gable requires continuous bottom chord bearing.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 5)

between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=132, 6=132.



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

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) Gable requires continuous bottom chord bearing.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0

between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.



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Max Horz 1=-54(LC 6)

Max Uplift 1=-25(LC 11), 3=-31(LC 11) Max Grav 1=147(LC 1), 3=147(LC 1), 4=219(LC 1)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) Gable requires continuous bottom chord bearing.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0

between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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	0- <u>0-5</u> 0-0-5	4-9-13 4-9-8							
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.07 BC 0.04 WB 0.02 Matrix-P	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 17 lb	GRIP 244/190 FT = 20%

BRACING-TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

OTHERS 2x4 SP No.3

REACTIONS. 1=4-9-3, 3=4-9-3, 4=4-9-3 (size) Max Horz 1=-34(LC 6) Max Uplift 1=-15(LC 11), 3=-20(LC 11) Max Grav 1=92(LC 1), 3=92(LC 1), 4=137(LC 1)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) Gable requires continuous bottom chord bearing.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0

between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



Structural wood sheathing directly applied or 4-9-13 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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						2 7 11				000		
Plate Offsets	s (X,Y)	[2:0-2-0,Edge]										
LOADING (TCLL 2 TCDL 1 BCLL	psf) 20.0 10.0 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI. TC BC WB	0.01 0.03 0.00	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL 1	10.0	Code IRC2015/TP	12014	Matrix	(-P						Weight: 7 lb	FT = 20%
LUMBER- TOP CHORD 2x4 SP No.2				BRACING- TOP CHOR	D	Structur	al wood	sheathing dir	ectly applied or 2-5-	0 oc purlins.		

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

REACTIONS. 1=2-4-6, 3=2-4-6 (size) Max Horz 1=-14(LC 6) Max Uplift 1=-5(LC 10), 3=-5(LC 11) Max Grav 1=64(LC 1), 3=64(LC 1)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

3) Gable requires continuous bottom chord bearing.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 5)

between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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