

# City of Portland, Oregon - Bureau of Development Services



1900 SW Fourth Avenue Portland, Oregon 97201 | 503-823-7300 | www.portlandoregon.gov/bds

# Submittal Dogui

Deferred Submittal Requireme	nts and Application
Applicants will provide:  A copy of this application Three (3) sets of plans Two (2) set of calculations Two (2) sets of product information Drawings and calculations must be stamped and signed by an Engineer registered in Oregon and approved by the Architect/Engineer of record for the building.	Permit fee (paid at time of submittal)  If the DFS includes exterior elements, plan views and elevations identifying the location(s) as approved by the Architect and Engineer of Record must be submitted.  One (1) copy of your main building permit approved plans (NOTE: Approved plans do not need to be submitted if your project has a development liaison assigned.)
Contractor submittal information:	
Contact name Eric Rystadt	
Address 5331 SW Macadam Ave	
<sub>City</sub> Portland	State OR Zip Code 97239
Phone 5034227707 E-mail eric	c@msdpdx.com
Value of deferred submittal  Job site address 5769/63/57/53 SW Clay Ct  Description/Scope of work Truss design	Issued main building permit # 17-254023/26/28/29-R5
building permit. DFS fees cover the cost of the additional design build element.  The DFS fee for processing and reviewing deferred procedurated using the value of the particular deferred procedure. Minimum fee: Residential, one and two familiars.	plan submittals is 10 percent of the building permit fee
The Bureau of Development Services (BDS) fee schewww.portlandoregon.gov/bds   select the Fees tab	edule is also available on the BDS web site at
Helpful Information Bureau of Development Services	Important Telephone Numbers BDS main number

1900 SW 4th Avenue, Portland, OR 97201

Submit your plans to:

Development Services Center (DSC), First Floor, For Hours Call 503-823-7310 | Select option 1

DEFERRED SUBMITTAL REQUIREMENTS AND APPLICATION

DSC automated information line ...... 503-823-7310

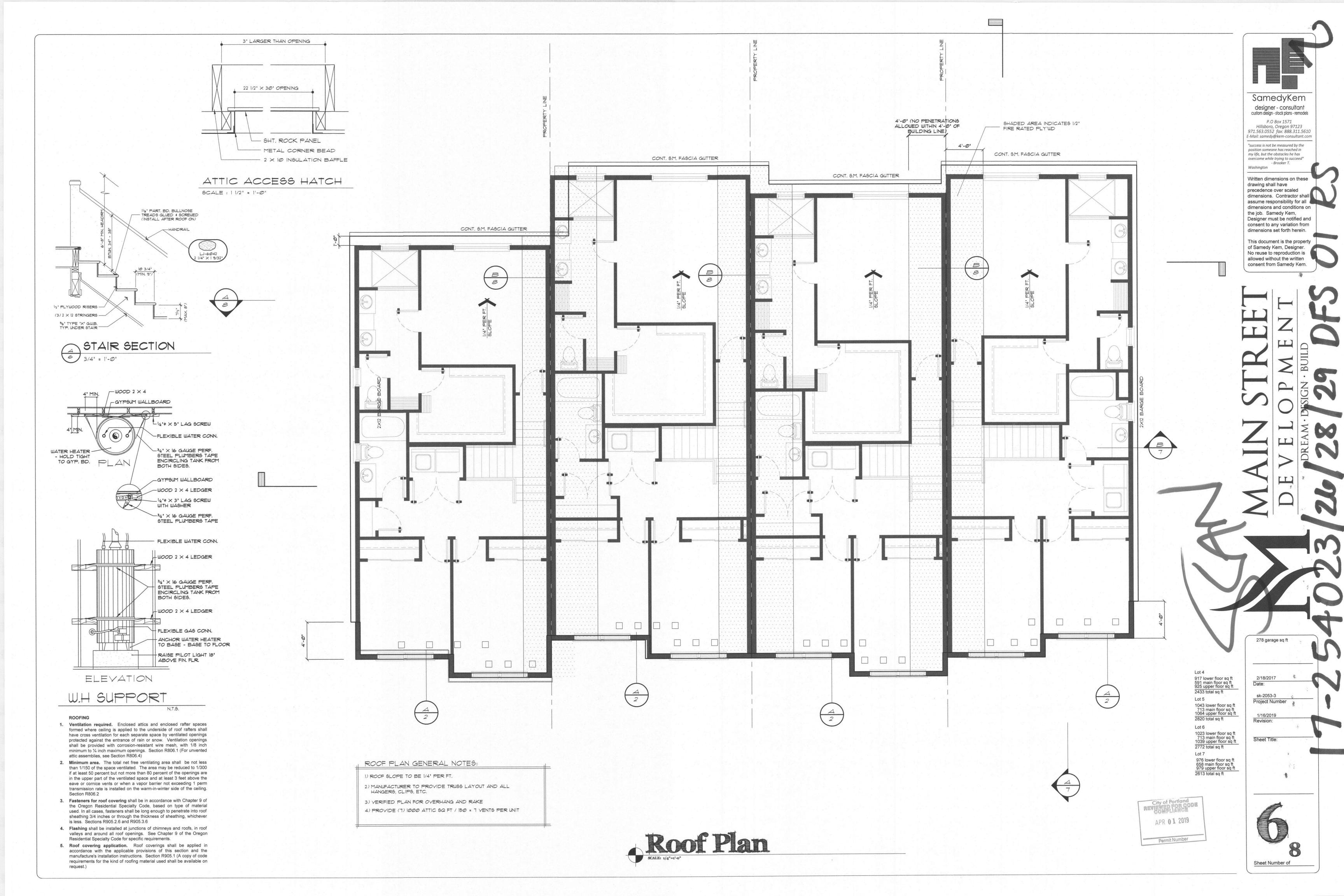
Building code information ......503-823-1456

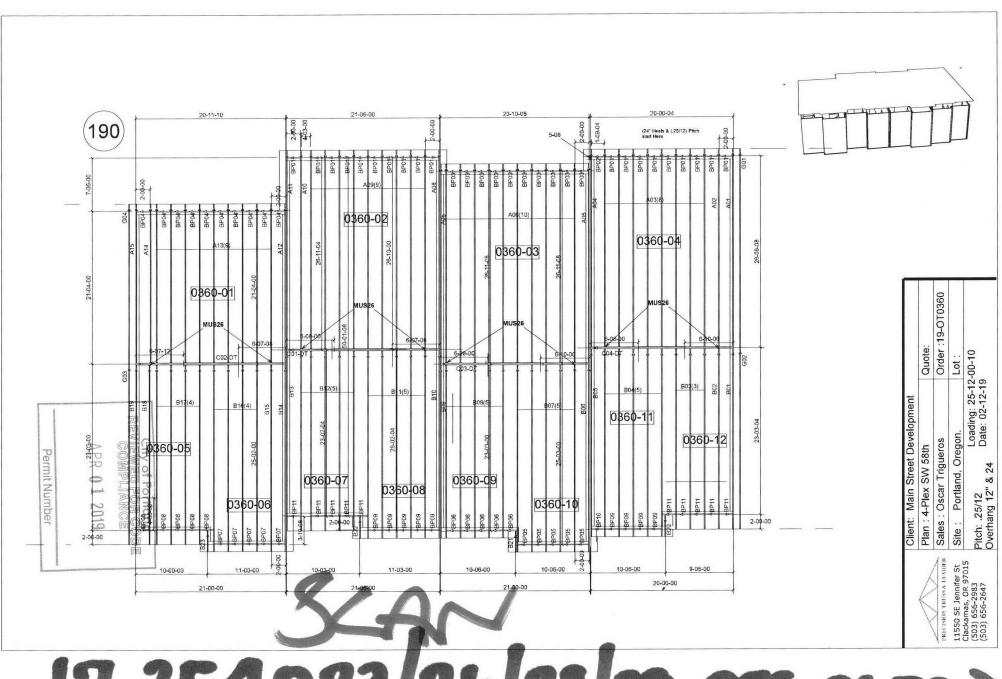
BDS 24 hour inspection request line ....... 503-823-7000 Residential information for

one and two family dwellings......503-823-7388

City of Portland TTY ...... 503-823-6868

Information is subject to change.





17-254023/26/28/29 DFS OI RS



MiTek USA, Inc.

250 Klug Circle Corona, CA 92880 951-245-9525

Re: 19-OT0360 4-Plex SW 58TH

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Precision Roof Trusses, Inc.

Pages or sheets covered by this seal: K5735049 thru K5735104

My license renewal date for the state of Oregon is December 31, 2019.

STERED PROFESSION B9200PE

OREGON WAY 14, 20 ART MERRILL BRY

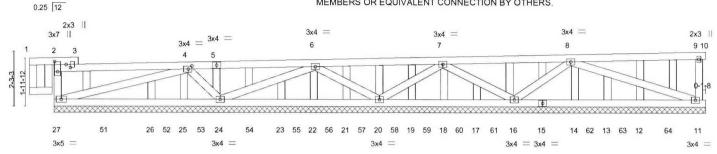
February 15,2019

Baxter, David

**IMPORTANT NOTE:** Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.

8	4-Plex SW 58TH	Ply	Qty	Truss Type	Truss	b	Job
K57350-	200						
)	Job Reference (optional)	1	1	GABLE	A01	-OT0360	19-010
ndustries, Inc. Fri Feb 15 09:47:14 2019 Page 1 Hy6MfCGWRbeScCT4GqRWj58vZzkv7R	8.240 s Dec 6 2018 MiTek Indus avfxzoYef-DANqb869?o7r9Hy6	jqNrCl5Jav	ID:D0JFF4nFh1		MBER, INC., CLACKAMAS,OR. 9701		PREC
						-0-1-0	
26-7-15	21-1-14	_1	15-11-4	10-8-11	5-6-1	_ 1-0-0	_
5-6-1	5-2-9		5-2-9	5-2-9	5-6-1	0-11-0	

MT\*1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.



	6-9-12	1	13-3-1	5	1	18-10	-3			26-7-15		
	6-9-12		6-6-4			5-6-	4	-2		7-9-12		
Plate Offsets (X,Y) [2:	0-5-0,0-1-8], [2:0-1-7,0-2-	-1], [4:0-1-12,0	)-1-8]									
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0	SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI. TC BC	0.56 0.32	DEFL. Vert(LL) Vert(CT)	in 0.00 0.01	1	l/defl n/r n/r	L/d 120 90	PLATES MT20	<b>GRIP</b> 185/148	
BCLL 0.0 * BCDL 10.0	Rep Stress Incr Code IRC2015/TF	YES PI2014	WB Matri	0.14 x-R	Horz(CT)	0.01	11	n/a	n/a	Weight: 138 lb	FT = 0%	

TOP CHORD

**BOT CHORD** 

TOP CHORD 2x4 DF No.2

0-1-0

**BOT CHORD** 2x4 DF No.2 WEBS 2x4 HF Std \*Except\*

1-33,33-34: 2x4 DF No.2

**OTHERS** 2x4 HF Std

REACTIONS. All bearings 26-7-15.

(lb) - Max Horz 27=60(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 27, 13, 17, 18, 19, 21, 22 except 11=-172(LC 12), 24=-135(LC

12), 20=-134(LC 12), 16=-145(LC 12), 25=-118(LC 25), 10=-315(LC 1)

Max Grav All reactions 250 lb or less at joint(s) 10 except 27=385(LC 40), 11=610(LC 1), 24=556(LC 1),

20=483(LC 1), 16=564(LC 1), 12=292(LC 54), 13=265(LC 53), 14=294(LC 52), 17=273(LC 50), 18=278(LC 49),

19=276(LC 48), 21=278(LC 46), 22=270(LC 45), 23=293(LC 44), 25=253(LC 42), 26=318(LC 41)

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

TOP CHORD 2-27=-281/105, 9-11=-523/197 WEBS

4-24=-495/177, 6-24=-340/122, 6-20=-466/163, 7-20=-375/128, 7-16=-346/121,

8-16=-545/186

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-0-0 to 2-0-0, Exterior(2) 2-0-0 to 26-7-15 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
- 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Bearing at joint(s) 10 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) 27, 13, 17, 18, 19. 21, 22 except (it=lb) 11=172, 24=135, 20=134, 16=145, 25=118, 10=315,
- 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

STERED PROFESS, 0

Structural wood sheathing directly applied or 6-0-0 oc purlins,

City of Portland

APR 01 2019

Permit Number

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

except end verticals.

Scale = 1:45.6

EXPIRES: 12-31-2019 February 15,2019

Continued on page 2

M WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 danage. 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	C	Qty	Ply	4-Plex SW 58TH		
19-OT0360	A01	GABLE	1		1	1		K5735
PRECISION TRUSS & L	UMBER, INC., CLACKAMAS,OR.	97015				Job Reference (opti 8.240 s Dec 6 2018 Mil	onal) Fek Industries, Inc. Fri Feb 15 09:4	47:14 2019 Page 2
			ID:D0JFF	4nFh1jq	NrCl5Jav		7r9Hy6MfCGWRbeScCT4G	
NOTES- 13) This truss has t	peen designed for a moving	g concentrated load of 250.0lb live loca	ated at all mid panels	and at	all panel	points along the Bo	tom Chord, nonconcurrent	t with
any other live lo								
		00 from left end and 0 from right end or chords. For edge-wise notching, prov					1.5x4 tie plates required a	at
2 0 0 0.0. maxi	mani between the stacking	onords. To eage wise notering, prov	nde at least one to p	nate bet	ween ea	cir noton.		
LOAD CASE(S)	-ld\\	-4 45 Dieta Incompany 4 45						
Uniform Loads (		e=1.15, Plate Increase=1.15						
Vert: 1-2	2=-74, 2-9=-74, 9-10=-74,							
<ol> <li>Dead + 0.75 Sno Uniform Loads ()</li> </ol>		rease=1.15, Plate Increase=1.15						
	2=-62, 2-9=-61, 9-10=-62, <sup>-</sup>	11-27=-20						
	and the second s	e: Lumber Increase=1.25, Plate Increas	se=1.25					
Uniform Loads () Vert: 1-2	pit) 2=-24, 2-9=-24, 9-10=-24, <sup>-</sup>	11-27=-40						
		1: Lumber Increase=1.60, Plate Increa	se=1.60					
Uniform Loads (	plf) 2=13, 2-9=25, 9-10=25, 11	27- 12						
	·27=15, 1-2=21, 2-3=34, 3-							
		2: Lumber Increase=1.60, Plate Increa	se=1.60					
Uniform Loads (	plf) 2=21, 2-9=25, 9-10=25, 11	-27=-12						
		3-9=-34, 9-10=-34, 9-11=-15						
	A STATE OF A STATE OF THE SECTION ASSESSMENT OF THE PARTY	1: Lumber Increase=1.60, Plate Increa	ase=1.60					
Uniform Loads ( Vert: 1-:	2=-19, 2-9=-34, 9-10=-34,	11-27=-20						
	-27=-19, 1-2=5, 2-3=-10, 3							
7) Dead + 0.6 C-C Uniform Loads (	, , , , , , , , , , , , , , , , , , , ,	2: Lumber Increase=1.60, Plate Increa	ase=1.60					
	2=-29, 2-9=-34, 9-10=-34,	11-27=-20						
	-27=25, 1-2=-5, 2-3=-10, 3-		1 60					
Uniform Loads (		.eft: Lumber Increase=1.60, Plate Incre	ease=1.60					
Vert: 1-	2=35, 2-9=25, 9-10=25, 11							
	-27=13, 1-2=44, 2-3=33, 3-	-9=-33, 9-10=-33, 9-11=17 Right: Lumber Increase=1.60, Plate Inci	roaso-1 60					
Uniform Loads (	The state of the second second and the second secon	light. Europe increase-1.00, Flate inci	1ease=1.00					
	2=6, 2-9=10, 9-10=10, 11-							
		3-9=-19, 9-10=-19, 9-11=-13 Left: Lumber Increase=1.60, Plate Inc	rease=1 60					
Uniform Loads		Zot. Zambol morodoo moo, mate mo	.0000 1.00					
	1-2=4, 2-9=-1, 9-10=-1, 11-							
		3-9=-23, 9-10=-23, 9-11=8 Right: Lumber Increase=1.60, Plate In	ncrease=1.60					
Uniform Loads	(plf)							
	-2=-10, 2-9=-15, 9-10=-15 2-27=-8, 1-2=14, 2-3=9, 3-							
		1st Parallel: Lumber Increase=1.60, Pl	late Increase=1.60					
Uniform Loads		14.07-40						
	I-2=20, 2-9=25, 9-10=25, 1 2-27=11, 1-2=28, 2-3=33, :	3-9=-33, 9-10=-33, 9-11=16						
13) Dead + 0.6 MV	VFRS Wind (Pos. Internal)	2nd Parallel: Lumber Increase=1.60, F	Plate Increase=1.60					
Uniform Loads	(plf) I-2=6, 2-9=10, 9-10=10, 11	1-27=-12						
		3-9=-19, 9-10=-19, 9-11=-11						
		3rd Parallel: Lumber Increase=1.60, P	late Increase=1.60					
Uniform Loads Vert: 1	. (ріг) 1-2=10, 2-9=15, 9-10=15, 1	11-27=-12						
Horz:	2-27=6, 1-2=18, 2-3=23, 3	-9=-23, 9-10=-23, 9-11=12						
15) Dead + 0.6 MV Uniform Loads		4th Parallel: Lumber Increase=1.60, P	late Increase=1.60					
	1-2=1, 2-9=6, 9-10=6, 11-2	7=-12						
		3-9=-14, 9-10=-14, 9-11=-6						
16) Dead + 0.6 MV Uniform Loads		1st Parallel: Lumber Increase=1.60, P	late Increase=1.60					
	1-2=4, 2-9=-1, 9-10=-1, 11-	-27=-20						
		3-9=-23, 9-10=-23, 9-11=7	Diete I 1 60					
17) Dead + 0.6 MV Uniform Loads		) 2nd Parallel: Lumber Increase=1.60, F	riate increase=1.60					
Vert: 1	1-2=-10, 2-9=-15, 9-10=-15							
	2-27=-7, 1-2=14, 2-3=9, 3-	-9=-9, 9-10=-9, 9-11=-21 rease=1.15, Plate Increase=1.15						
Uniform Loads	No. of the contract of the con	rease-1.15, Flate illerease-1.15						
Vert:	1-2=-124, 2-9=-24, 9-10=-2							
101 Dead Lumber	Increase=0.90 Plate Incre	ase=11 Un Pit metal=0 Q0						

Continued on page 3

Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20



K5735049

Job	Truss	Truss Type	Qty	/ F	Ply	4-Plex SW 58TH	K!	5735
19-OT0360	A01	GABLE	1		1	Job Reference (option		
PRECISION TRUSS & LUMBER,	INC., CLACKAMAS,OR. 97015		ID-DO IEE4		-OIE I	8.240 s Dec 6 2018 MiTek	Industries, Inc. Fri Feb 15 09:47:14 2019 Page	3
			ID:D0JFF4r	nFh1jqN	rCI5Jav	vfxzoYef-DANqb869?o7i	9Hy6MfCGWRbeScCT4GqRWj58vZzkv	7R
LOAD CASE(S)								
	I.) + 0.75(0.6 MWFRS Wind (	Neg. Int) Left): Lumber Increa	se=1.60, Plate Increa	ase=1.60	O			
Uniform Loads (plf) Vert: 1-2=-40	, 2-9=-44, 9-10=-44, 11-27=-2	0						
	7, 1-2=21, 2-3=18, 3-9=-18, 9							
21) Dead + 0.75 Snow (ba		Neg. Int) Right): Lumber Incre	ease=1.60, Plate Incre	ease=1.	60			
Uniform Loads (plf)	2.0- FF 0.10- FF 11.07- C	0						
	, 2-9=-55, 9-10=-55, 11-27=-2 5, 1-2=10, 2-3=7, 3-9=-7, 9-10							
		Neg. Int) 1st Parallel): Lumbe	r Increase=1.60, Plate	e Increa	se=1.6	60		
Uniform Loads (plf)								
	, 2-9=-44, 9-10=-44, 11-27=-2							
	6, 1-2=21, 2-3=18, 3-9=-18, 9	-10=-18, 9-11=5 Neg. Int) 2nd Parallel): Lumbe	er Increase=1 60. Pla	te Incre	250=1	60		
Uniform Loads (plf)	1.) • 0.70(0.0 101001 110 001110 1	riog. Int/ 2nd r drailer/. Edition	or morease=1.00, 1 la	te mere	u30-1.	00		
	, 2-9=-55, 9-10=-55, 11-27=-2	0						
	5, 1-2=10, 2-3=7, 3-9=-7, 9-10							
Uniform Loads (plf)	w: Lumber Increase=1.15, Pla	ate Increase=1.15						
	. 2-9=-64, 9-10=-64, 11-27=-2	0						
	nber Increase=1.25, Plate Inc	rease=1.25						
Uniform Loads (plf)	00 04 040 04 44 07 6							
Vert: 1-2=-24, Concentrated Loads (I	, 2-9=-24, 9-10=-24, 11-27=-2 lb)	:0						
Vert: 51=-250								
	mber Increase=1.25, Plate Inc	crease=1.25						
Uniform Loads (plf)	0.0-04.040-04.44.07-6							
Concentrated Loads (I	, 2-9=-24, 9-10=-24, 11-27=-2 lb)	:0						
Vert: 52=-250								
	mber Increase=1.25, Plate Inc	rease=1.25						
Uniform Loads (plf)	2.0- 24.0.10- 24.11.27- (	00						
Concentrated Loads (I	, 2-9=-24, 9-10=-24, 11-27=-2 lb)	:0						
Vert: 53=-250								
	nber Increase=1.25, Plate Inc	rease=1.25						
Uniform Loads (plf)	2.0- 24.0.10- 24.11.27- (	00						
Concentrated Loads (I	, 2-9=-24, 9-10=-24, 11-27=-2 lb)	.0						
Vert: 54=-250								
	nber Increase=1.25, Plate Inc	rease=1.25						
Uniform Loads (plf)	, 2-9=-24, 9-10=-24, 11-27=-2	20						
Concentrated Loads (I		:0						
Vert: 55=-250	· ·							
	nber Increase=1.25, Plate Inc	rease=1.25						
Uniform Loads (plf)	, 2-9=-24, 9-10=-24, 11-27=-2	20						
Concentrated Loads (I								
Vert: 56=-250								
	mber Increase=1.25, Plate Inc	rease=1.25						
Uniform Loads (plf) Vert: 1-2=-24	, 2-9=-24, 9-10=-24, 11-27=-2	20						
Concentrated Loads (								
Vert: 57=-250								
32) 8th Moving Load: Lun Uniform Loads (plf)	mber Increase=1.25, Plate Inc	rease=1.25						
	, 2-9=-24, 9-10=-24, 11-27=-2	20						
Concentrated Loads (								
Vert: 58=-250								
33) 9th Moving Load: Lur Uniform Loads (plf)	mber Increase=1.25, Plate Inc	rease=1.25						
	, 2-9=-24, 9-10=-24, 11-27=-2	20						
Concentrated Loads (	· · · · · · · · · · · · · · · · · · ·							
Vert: 59=-250		1.05						
Uniform Loads (plf)	umber Increase=1.25, Plate Ir	ocrease=1.25						
	, 2-9=-24, 9-10=-24, 11-27=-2	20						
Concentrated Loads (	lb)							
Vert: 60=-250								
35) 11th Moving Load: Lu Uniform Loads (plf)	umber Increase=1.25, Plate Ir	ncrease=1.25						
	, 2-9=-24, 9-10=-24, 11-27=-2	20						
Concentrated Loads (	lb)							
Vert: 61=-250		1.05						
36) 12th Moving Load: Lu	umber Increase=1.25, Plate Ir	icrease=1.25						

Continued on page 4

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20



K5735049

Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	
19-OT0360	A01	GABLE	1	1		K5735049
					Job Reference (optional)	

PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

8.240 s Dec 6 2018 MTek Industries, Inc. Fri Feb 15 09:47:14 2019 Page 4 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-DANqb869?o7r9Hy6MfCGWRbeScCT4GqRWj58vZzkv7R

### LOAD CASE(S)

Concentrated Loads (lb)

Vert: 15=-250

37) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (Ib)

Vert: 62=-250

38) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 63=-250

39) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (Ib)

Vert: 64=-250

40) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 27=-250

41) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb) Vert: 26=-250

42) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 25=-250

43) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 24=-250

44) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 23=-250

45) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 22=-250

46) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 21=-250

47) 23rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 20=-250

48) 24th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 19=-250

49) 25th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (Ib)

Vert: 18=-250

50) 26th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 17=-250

51) 27th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 16=-250



Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	
19-OT0360	A01	GABLE	1	1	Job Reference (optional)	K5735049

PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR. 97015

8.240 s Dec 6 2018 MTek Industries, Inc. Fri Feb 15 09.47:14 2019 Page 5 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-DANqb869?o7r9Hy6MfCGWRbeScCT4GqRWj58vZzkv7R

## LOAD CASE(S)

52) 28th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf) Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb) Vert: 14=-250

53) 29th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (Ib)

Vert: 13=-250

54) 30th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20 Concentrated Loads (lb)

Vert: 12=-250

55) 31st Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)
Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20
Concentrated Loads (lb)

Vert: 11=-250

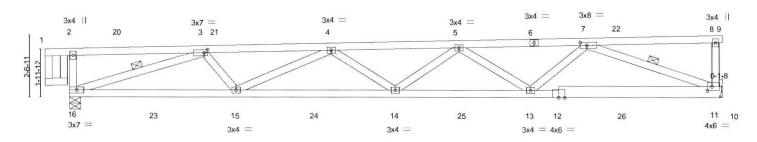


Job Truss Truss Type Qty Ply 4-Plex SW 58TH K5735050 19-OT0360 A02 Jack-Closed 1 Job Reference (optional) 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:36:57 2019 Page 1 CLACKAMAS, OR - 97015, Precision Truss & Lumber, Inc., ID:D0JFF4nFh1jqNrCl5JavfxzoYef-zgDMEDaZJxOzQFICZixbwJYAPuWE06YdeE8\_lpzkvH4 -0-1-0 <del>-1-0-0</del> <del>||</del>

MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

0.25 12

Scale = 1:45.5



L	6-9-12	1	13-3-	15	7	18-10	)-3		ľ.	26-7-15	
	6-9-12	- 40	6-6-4	4		5-6-	4			7-9-12	
Plate Offsets (X,Y) [3:0	)-1-12,0-1-8], [7:0-3-4,0-1	1-8], [11:0-2-4	,0-2-0]								
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TF	2-0-0 1.15 1.15 YES PI2014	CSI. TC BC WB Matri	0.67 0.83 0.62 x-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.27 -0.52 0.10	14	I/defl >999 >605 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 121 lb	<b>GRIP</b> 185/148 FT = 0%

BRACING-

TOP CHORD

BOT CHORD

**WEBS** 

LUMBER-

TOP CHORD 2x4 DF No.2

0-1-0

BOT CHORD 2x4 DF No.1&Btr \*Except\*

10-12: 2x6 DF No.2

WEBS 2x4 HF Std \*Except\*

1-17,17-18: 2x4 DF No.2

REACTIONS. (lb/size) 16=1320/0-5-8, 11=1257/Mechanical

Max Horz 16=70(LC 9)

Max Uplift 16=-207(LC 8), 11=-165(LC 8)

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

TOP CHORD 2-16=-294/105, 3-4=-3284/394, 4-5=-4026/510, 5-7=-3104/394

BOT CHORD 15-16=-373/2916, 14-15=-541/4052, 13-14=-508/3831, 11-13=-346/2457

WEBS 3-16=-2962/418, 3-15=0/624, 4-15=-862/192, 5-14=0/391, 5-13=-893/179, 7-13=-21/881,

7-11=-2544/384

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 26-7-15 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \*This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=207, 11=165.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



Structural wood sheathing directly applied or 2-8-15 oc purlins,

Rigid ceiling directly applied or 9-1-3 oc bracing.

except end verticals

1 Row at midpt



EXPIRES: 12-31-2019 February 15,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 property 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Ply 4-Plex SW 58TH Truss Truss Type Qty K5735051 19-OT0360 A03 Jack-Closed 1 Job Reference (optional) 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:36:58 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-RsnkRZbB4FWq2PtO6PSqTX4L9IsTlYomtutYIGzkvH3 Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015. -0-1-0 <del>1-0-0</del> <del>||</del> <del>0-11-0</del> <del>||</del> 5-6-1 5-6-1 10-8-11 0-1-0 Scale = 1:45.5

MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

0.25 12

Structural wood sheathing directly applied or 2-8-15 oc purlins,

3-16, 7-11

APR 01 2019

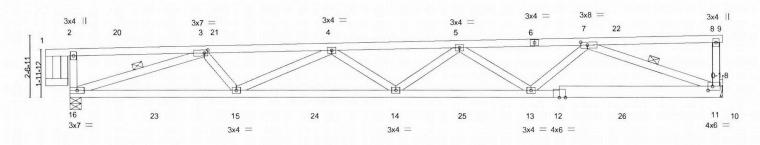
Permit Number

Rigid ceiling directly applied or 9-1-3 oc bracing.

REV

except end verticals.

1 Row at midpt



13-3-15 18-10-3 6-9-12 5-6-4 7-9-12 [3:0-1-12,0-1-8], [7:0-3-4,0-1-8], [11:0-2-4,0-2-0] Plate Offsets (X,Y)--LOADING (psf) SPACING-CSL DEFL 2-0-0 in (loc) I/defl 1/d PLATES GRIP TCLL 25.0 Plate Grip DOL 1.15 TC 0.67 Vert(LL) -0.27240 185/148 14 >999 MT20 (Roof Snow=25.0) Lumber DOL 1.15 BC 0.83 Vert(CT) -0.52 14-15 >605 180 TCDL 12.0 YES WB Rep Stress Incr 0.62 Horz(CT) 0.10 11 n/a n/a BCLL 0.0 \* Code IRC2015/TPI2014 Matrix-S Weight: 121 lb FT = 0%BCDL 10.0 **BRACING-**

TOP CHORD

**BOT CHORD** 

**WEBS** 

LUMBER-

TOP CHORD 2x4 DF No.2 **BOT CHORD** 

2x4 DF No.1&Btr \*Except\*

10-12: 2x6 DF No.2

**WEBS** 2x4 HF Std \*Except\*

1-17,17-18: 2x4 DF No.2

REACTIONS. (lb/size) 16=1320/0-5-8, 11=1257/Mechanical

Max Horz 16=70(LC 9)

Max Uplift 16=-207(LC 8), 11=-165(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-16=-294/105, 3-4=-3284/394, 4-5=-4026/510, 5-7=-3104/394 TOP CHORD

**BOT CHORD** 15-16=-373/2916, 14-15=-541/4052, 13-14=-508/3831, 11-13=-346/2457

3-16=-2962/418, 3-15=0/624, 4-15=-862/192, 5-14=0/391, 5-13=-893/179, 7-13=-21/881, **WEBS** 

7-11=-2544/384

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 26-7-15 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=207, 11=165,
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

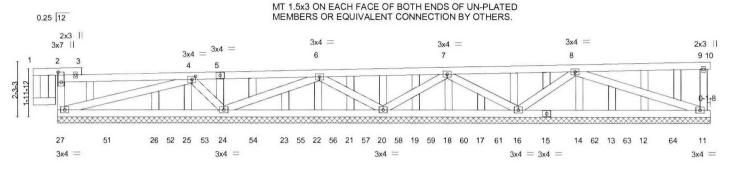
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> EXPIRES: 12-31-2019 February 15,2019

🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.







1	6-9-12			15		18-10	-3			26-7-15	
	6-9-12	1	6-6-4	1		5-6-	4			7-9-12	
Plate Offsets (X,Y) [2:0	-5-0,0-1-8], [4:0-1-12,0-	1-8]									
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI. TC BC WB	0.40 0.35 0.14	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.01 0.01	(loc) 1 1 1	l/defl n/r n/r n/a	L/d 120 90 n/a	PLATES MT20	<b>GRIP</b> 185/148
BCLL 0.0 * BCDL 10.0	Code IRC2015/TF	PI2014	Matri	x-S						Weight: 138 lb	FT = 0%

TOP CHORD

BOT CHORD

#### LUMBER-BRACING-

TOP CHORD 2x4 DE No 2 BOT CHORD 2x4 DF No 2 2x4 HF Std \*Except\* WEBS

1-33,33-34: 2x4 DF No.2

5-6-1

0-1-0

**OTHERS** 2x4 HF Std

REACTIONS. All bearings 26-7-15.

Max Horz 27=60(LC 9) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 27, 13, 17, 18, 19, 21, 22 except

11=-196(LC 12), 24=-136(LC 12), 20=-133(LC 8), 16=-144(LC 12), 25=-141(LC

25), 10=-385(LC 1)

Max Grav All reactions 250 lb or less at joint(s) 25, 10 except 27=381(LC 40),

11=676(LC 1), 24=561(LC 1), 20=479(LC 1), 16=562(LC 1), 12=297(LC 54), 13=263(LC 53), 14=295(LC 52), 17=273(LC 50), 18=278(LC 49), 19=276(LC 48),

21=278(LC 46), 22=270(LC 45), 23=293(LC 44), 26=336(LC 25)

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

TOP CHORD 2-27=-274/104, 9-11=-592/214 **WEBS** 

4-24=-497/180, 6-24=-345/123, 6-20=-459/161, 7-20=-373/128, 7-16=-348/121,

8-16=-540/184

### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-0-0 to 2-0-0, Exterior(2) 2-0-0 to 26-7-15 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
- 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Bearing at joint(s) 10 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) 27, 13, 17, 18, Contil De 2102 2 20 (jt=lb) 11=196, 24=136, 20=133, 16=144, 25=141, 10=385



Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.

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Scale = 1:45.5

February 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 10/03/2015 REFORE USF Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not Design Valid for use only with Mil execonnectors. 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 

\*\*MSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	WE305055
≯9-OT0360	A04	GABLE	1	1		K5735052
					Job Reference (optional)	

Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MTek Industries, Inc. Fri Feb 15 11:37:01 2019 Page 2 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-sRSt4bd4NAvPvtczoY0X59iwaW\_cy01CZs6CubzkvH0

### NOTES-

- 12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 13) No notches allowed in overhang and 10000 from left end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

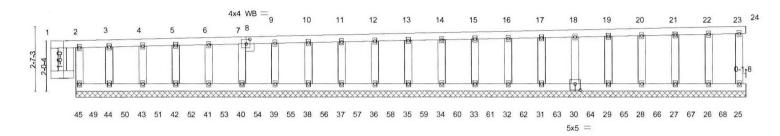
Qty Ply 4-Plex SW 58TH Joh Truss Truss Type K5735053 19-OT0360 A05 GABLE Job Reference (optional) 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:04 2019 Page 1 Precision Truss & Lumber, Inc., CLACKAMAS OR - 97015 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-G08?icfyg5H\_mKKYTgZEjoKVsj4l9PdeFqKsUvzkvGz -0-1-0

26-9-15

0-11-0 0-1-0

MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

0.25 12



26-9-15 Plate Offsets (X,Y)-- [7:0-1-12,0-0-0], [8:0-1-12,0-2-4], [8:0-0-0,0-1-12], [30:0-2-8,0-3-0] LOADING (psf) SPACING-DEFL PLATES GRIP 2-0-0 CSI in (loc) I/defl 1/d TCLL 25.0 Plate Grip DOL 1.15 TC 0.14 Vert(LL) 0.00 185/148 n/r 120 MT20 (Roof Snow=25.0) Lumber DOL 1.15 BC 0.10 Vert(CT) -0.00 90 n/r TCDL 12.0 WB Rep Stress Incr YES 0.02 Horz(CT) -0.0124 n/a n/a BCLL 0.0 \* Code IRC2015/TPI2014 FT = 0% Weight: 120 lb Matrix-R BCDL 10.0 **BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF No.2 **BOT CHORD** 2x4 DF No.2

2x4 HF Std \*Except\* WEBS 1-46: 2x4 DF No.2

**OTHERS** 2x4 HF Std

REACTIONS. All bearings 26-9-15

(lb) - Max Horz 45=72(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 45, 24, 25, 44, 43, 42, 41, 40, 39,

38, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26

All reactions 250 lb or less at joint(s) 24 except 45=313(LC 45), 25=276(LC

65), 44=294(LC 46), 43=311(LC 47), 42=308(LC 48), 41=309(LC 49), 40=309(LC 50), 39=309(LC 51), 38=309(LC 52), 37=309(LC 53), 36=309(LC 54), 35=309(LC

55), 34=309(LC 56), 33=309(LC 57), 32=309(LC 58), 31=309(LC 59), 30=309(LC

60), 29=309(LC 61), 28=309(LC 62), 27=308(LC 63), 26=313(LC 64)

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

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-0-0 to 2-0-0, Exterior(2) 2-0-0 to 26-9-15 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 6) All plates are 2x3 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.
- 8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 9) Gable studs spaced at 1-4-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 12) Bearing at joint(s) 24 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) 45, 24, 25, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26.

APR 01 2019 Permit Number STERED PROFESSION STENSINEER SOLLER 89200PE

City of Portland

Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 6-0-0 oc bracing

except end verticals.

EXPIRES: 12-31-2019 February 15,2019

Continued on page 2

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\*

\*\*available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



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Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	K5735053
19-OT0360	A05	GABLE	2	1		K3/33033
					Job Reference (optional)	

Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:05 2019 Page 2 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-kDiNvygaQOPrNUvl1O4TF?tfc7QXustoUU4P1MzkvGy

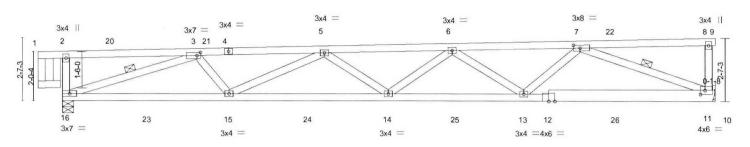
#### NOTES-

14) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	K573505
19-OT0360	A06	Jack-Closed	10	1		K573505
					Job Reference (optional	1)
Precision Truss & L	umber, Inc., CLACKA	MAS, OR - 97015,	ID:D0JFF4n			ies, Inc. Fri Feb 15 11:37:05 2019 Page 1 PrNUvl1O4TF?tXO7F6ujVoUU4P1MzkvGy
-1-0-0 II	5-6-8	10-9-8	16-0-7	T.	21-3-7	26-9-15
0-11-0	5-6-8	5-3-0	5-3-0		5-3-0	5-6-8
0-1-0						Scale = 1:45

MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

0.25 12



	6-10-4		13-5-			18-11				26-9-15	
	6-10-4		6-6-1	2	, , , , , , , , , , , , , , , , , , ,	5-6-1	2			7-10-4	
Plate Offsets (X,Y) [3:0	0-1-12,0-1-8], [7:0-3-4,0-1-8],	, [11:0-2-4,0-	2-0]								
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	Plate Grip DOL Lumber DOL	-0-0 1.15 1.15 YES	CSI. TC BC WB Matri	0.67 0.83 0.62 x-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.27 -0.51 0.10	(loc) 14 14-15 11	I/defl >999 >619 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 122 lb	<b>GRIP</b> 185/148 FT = 0%

**BRACING-**

TOP CHORD

**BOT CHORD** 

**WEBS** 

LUMBER-

REACTIONS.

TOP CHORD 2x4 DF No.2 BOT CHORD 2x4 DF No.18

2x4 DF No.1&Btr \*Except\*

10-12: 2x6 DF No.2 WEBS 2x4 HF Std \*Except\*

2x4 HF Std \*Except\* 1-17: 2x4 DF No.2

(lb/size) 16=1328/0-5-8, 11=1265/Mechanical

Max Horz 16=71(LC 9)

Max Uplift 16=-208(LC 8), 11=-166(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-16=-295/105, 3-5=-3253/391, 5-6=-3992/505, 6-7=-3079/391

BOT CHORD 15-16=-369/2888, 14-15=-535/4015, 13-14=-503/3800, 11-13=-343/2438

WEBS 3-16=-2942/415, 3-15=0/626, 5-15=-858/191, 6-14=0/387, 6-13=-889/178, 7-13=-20/878,

7-11=-2532/381

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 26-9-15 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \*This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=208. 11=166.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

City of Portland
REVIEWED FOR GODE
COMPLIANCE
APR 0 1 2019

Permit Number

Structural wood sheathing directly applied or 2-9-2 oc purlins,

3-16, 7-11

Rigid ceiling directly applied or 9-1-12 oc bracing.

except end verticals.

1 Row at midpt

EXPIRES: 12-31-2019 February 15,2019

STERED PROFES

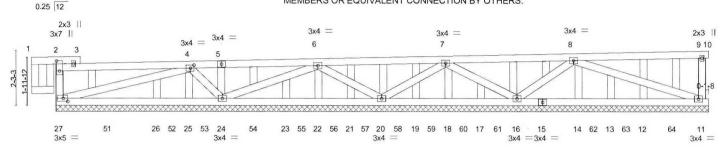
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Ply Truss Truss Type Qty 4-Plex SW 58TH K5735055 19-OT0360 A08 GABLE 1 Job Reference (optional) CLACKAMAS, OR - 97015. Precision Truss & Lumber, Inc., 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:08 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-9oNWY\_jTjJnQEyeJiWeAteV4EKNU5BmEARI4dhzkvGv -0-1-0 0-11-0 10-9-6 16-0-5 5-6-7 5-6-7 5-2-15 5-2-15 0-1-0 Scale = 1:45.7

#### MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.



1	6-10-3			14		18-11	-8		ſ	26-9-11	
I	6-10-3			1	L. T. C.	5-6-1	1		7-10-3		
Plate Offsets (X,Y) [2:0	-5-0,0-1-8], [4:0-1-12,0- <sup>-</sup>	1-8], [27:0-2-4	,0-1-8]								
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI. TC BC WB	0.57 0.34 0.14	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.01 0.01	(loc) 1 1 11	l/defl n/r n/r n/a	L/d 120 90 n/a	PLATES MT20	<b>GRIP</b> 185/148
BCDL 10.0	Code IRC2015/TF	12014	Matri	x-K						Weight: 138 lb	FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF No.2 2x4 DF No.2 **BOT CHORD** 

2x4 HF Std \*Except\* **WEBS** 33-34: 2x4 DF No.2

**OTHERS** 2x4 HF Std

REACTIONS. All bearings 26-9-11.

(lb) - Max Horz 27=60(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 27, 13, 17, 18, 19, 21, 22 except

11=-174(LC 12), 24=-134(LC 12), 20=-135(LC 12), 16=-145(LC 12), 25=-132(LC

25), 10=-320(LC 1)

Max Grav All reactions 250 lb or less at joint(s) 25, 10 except 27=386(LC 40),

11=615(LC 1), 24=561(LC 1), 20=486(LC 1), 16=568(LC 1), 12=292(LC 54),

13=265(LC 53), 14=295(LC 52), 17=273(LC 50), 18=278(LC 49), 19=278(LC 48),

21=278(LC 46), 22=269(LC 45), 23=295(LC 44), 26=322(LC 41)

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

TOP CHORD 2-27=-282/106, 9-11=-528/199

WEBS 4-24=-499/179, 6-24=-343/123, 6-20=-471/164, 7-20=-379/130, 7-16=-349/122,

8-16=-549/187

## NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-0-0 to 2-0-0, Exterior(2) 2-0-0 to 26-9-11 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Bearing at joint(s) 10 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) 27, 13, 17, 18, Contifue 21022 age ot (jt=lb) 11=174, 24=134, 20=135, 16=145, 25=132, 10=320.

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APR 01 2019

Permit Number

EXPIRES: 12-31-2019 February 15,2019

🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE, Design valid for use only with MITE(80 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 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 property 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/TPH\*\* Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.

Rigid ceiling directly applied or 10-0-0 oc bracing of Portland

except end verticals.

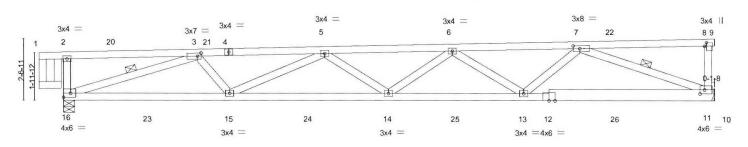
Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH
49-OT0360	A08	GABLE	1		K573505
45-010500	700	GABLE	· ·		Job Reference (optional)
Precision Truss & L	umber, Inc., CLACKA	AMAS, OR - 97015,	10.001554.5		Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:08 2019 Page 2
			ID:D0JFF4nF	nijqNrCis	JavfxzoYef-9oNWY_jTjJnQEyeJiWeAteV4EKNU5BmEARI4dhzkvGv

- 12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 13) No notches allowed in overhang and 10000 from left end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

Ply Job Truss Type Qty 4-Plex SW 58TH Truss K5735056 19-OT0360 A09 Jack-Closed Job Reference (optional) 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:09 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-d\_xulKj5UdvHs5DWGD9PQr1G\_kbvqXcOP52dA7zkvGu Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015. -0-1-0 0-11-0 H 5-6-7 5-6-7 0-1-0 Scale = 1:45.8

> MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

0.25 12



	6-10-3		13-4-14	1	18-11-8		1	26-9-11	
Plata Offects (V.)	6-10-3 Offsets (X,Y) [3:0-1-12,0-1-8], [7:0-3-4,0-1-8], [8		6-6-11		5-6-11		7-10-3		
	1 [3.0-1-12,0-1-6], [7.0-3-4,0-	1-0], [0.0-1-13	,0-1-0 <u>], [11:0-2-4,0-2-0], [</u>	16.Euge,0-2-0]					
(Roof Snow=25.0 TCDL 12	2.0 Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI. TC 0.50 BC 0.84 WB 0.61	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc -0.28 1 -0.53 14-1 0.10 1	4 >999 5 >596	L/d 240 180 n/a	PLATES MT20	GRIP 185/148
BCDL 10	0.0 Code IRC2015/T	P12014	Matrix-R					Weight: 122 lb	FT = 0%
LUMBER-				BRACING-					

TOP CHORD

**BOT CHORD** 

WEBS

TOP CHORD 2x4 DF No.2

2x4 DF No.1&Btr \*Except\* **BOT CHORD** 

10-12: 2x6 DF No.2

**WEBS** 2x4 HF Std \*Except\* 2-16,8-11,17-18: 2x4 DF No.2

REACTIONS. (lb/size) 16=1327/0-5-8, 11=1264/Mechanical

Max Horz 16=70(LC 9)

Max Uplift 16=-208(LC 8), 11=-166(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-16=-308/107, 3-5=-3305/400, 5-6=-4073/515, 6-7=-3127/398

**BOT CHORD** 15-16=-376/2940, 14-15=-547/4094, 13-14=-514/3871, 11-13=-348/2480

**WEBS** 3-16=-2916/422, 3-15=0/618, 5-15=-884/193, 6-14=0/397, 6-13=-913/181, 7-13=-24/879,

7-11=-2511/383

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 26-9-11 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \*This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 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) except (jt=lb) 16=208, 11=166.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

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> EXPIRES: 12-31-2019 February 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MTI-6k® 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 designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing individual 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 is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Structural wood sheathing directly applied or 2-8-13 oc purlins,

3-16, 7-11 City of Portland

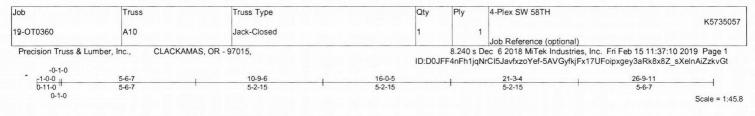
APR 01 2019

Permit Number

Rigid ceiling directly applied or 9-0-9 oc bracing.

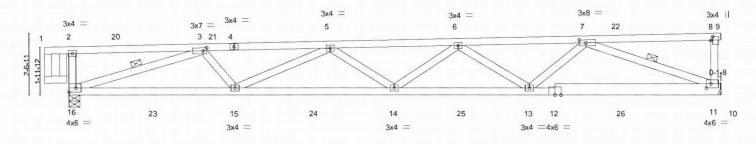
except end verticals

1 Row at midpt



#### MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.





6-10-3		13-4-14 18-11-8		26-9-11
6-10-3 Plate Offsets (X,Y) [3:0-1-12,0-1-8	3], [7:0-3-4,0-1-8], [8:0-1-13	6-6-11 ,0-1-0], [11:0-2-4,0-2-0], [	5-6-11 [6:Edge,0-2-0]	7-10-3
CLL 25.0 Plate	CING- 2-0-0 Grip DOL 1.15 per DOL 1.15	CSI. TC 0.50 BC 0.84	DEFL. in (loc) I/defl Vert(LL) -0.28 14 >999 Vert(CT) -0.53 14-15 >596	L/d PLATES GRIP 240 MT20 185/148 180
CII 00 * Rep	Stress Incr YES e IRC2015/TPI2014	WB 0.61 Matrix-R	Horz(CT) 0.10 11 n/a	n/a Weight: 122 lb FT = 0%

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x4 DF No.2 **BOT CHORD** 

2x4 DF No 1&Btr \*Except\*

10-12: 2x6 DF No.2

WEBS 2x4 HF Std \*Except\*

2-16,8-11,17-18: 2x4 DF No.2

(lb/size) 16=1327/0-5-8, 11=1264/Mechanical REACTIONS.

Max Horz 16=70(LC 9)

Max Uplift 16=-208(LC 8), 11=-166(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-16=-308/107, 3-5=-3305/400, 5-6=-4073/515, 6-7=-3127/398 TOP CHORD

BOT CHORD 15-16=-376/2940, 14-15=-547/4094, 13-14=-514/3871, 11-13=-348/2480

**WEBS** 3-16=-2916/422, 3-15=0/618, 5-15=-884/193, 6-14=0/397, 6-13=-913/181, 7-13=-24/879,

### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 26-9-11 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=208, 11=166
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



EXPIRES: 12-31-2019 February 15,2019

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ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Structural wood sheathing directly applied or 2-8-13 oc purlins,

3-16, 7-17 of Political REVIEWED FOR CODE COMPLIANCE

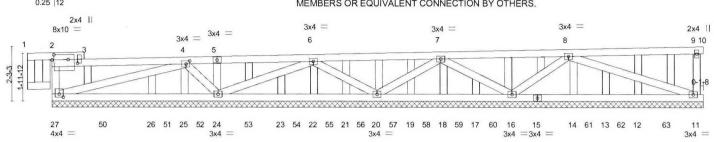
APR 01 2019

Permit Number

Rigid ceiling directly applied or 9-0-9 oc bracing.

except end verticals

1 Row at midnt



T.	6-10-3	Y	13-4-	14	T .	18-11	-8			26-9-11	
	6-10-3		6-6-1	1		5-6-1	1				
Plate Offsets (X,Y) [2:0	)-1-0,0-2-8], [2:0-1-14,0-	4-11], [4:0-1-1	2,0-1-8], [27	:0-2-0,0-1-8]							
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TI	2-0-0 1.15 1.15 YES PI2014	CSI. TC BC WB Matri	0.45 0.34 0.14 x-R	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.01	(loc) 1 1 11	l/defl n/r n/r n/a	L/d 120 90 n/a	PLATES MT20 Weight: 138 lb	<b>GRIP</b> 185/148 FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF No.2 2x4 DF No.2 BOT CHORD

2x4 HF Std \*Except\* WEBS 33-34: 2x4 DF No.2

OTHERS 2x4 HF Std

REACTIONS All bearings 26-9-11. (lb) -Max Horz 27=60(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 27, 13, 17, 18, 19, 21, 22 except 11=-174(LC 12), 24=-136(LC

12), 20=-134(LC 12), 16=-145(LC 12), 25=-133(LC 25), 10=-320(LC 1)

Max Grav All reactions 250 lb or less at joint(s) 25, 10 except 273-385(LC 40), 11=615(LC 1), 24=565(LC 1), 20=484(LC 1), 16=568(LC 1), 12=292(LC 54), 13=265(LC 53), 14=295(LC 52), 17=273(LC 50), 18=278(LC 49),

19=278(LC 48), 21=278(LC 46), 22=269(LC 45), 23=295(LC 44), 26=324(LC 41)

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

TOP CHORD 2-27=-276/104, 9-11=-529/199 WEBS

4-24=-502/180, 6-24=-347/124, 6-20=-465/162, 7-20=-379/130, 7-16=-349/122,

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-0-0 to 2-0-0, Exterior(2) 2-0-0 to 26-9-11 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
- 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00

- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Bearing at joint(s) 10 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) 27, 13, 17, 18, 19, 21, 22 except (jt=lb) 11=174, 24=136, 20=134, 16=145, 25=133, 10=320.
- 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



City of Portland

REVIEWED FOR CODE COMPLIANCE

APR 01 2019

Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.

EXPIRES: 12-31-2019 February 15,2019

ERRIL

Continued on page 2

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 10/03/2015 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 

\*\*ANSI/IPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply		4-Plex SW 58TH	
19-OT0360	A11	GABLE	1		1	Job Reference (optional)	K573
PRECISION TRUSS &	LUMBER, INC., CLACKAMAS,O	R. 97015	ID DO IFFE			8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 1	15 09:52:15 2019 Page
NOTES-			ID:D0JFF4n	i-h1jqNr0	C15.	JavfxzoYef-v43dn3ly6G27mXTzÜN5rDvZ55y	xf6OHkk3WZzczkv2k
13) This truss has	been designed for a movir	ig concentrated load of 250.0lb live locate	ed at all mid panels and a	at all pan	nel p	points along the Bottom Chord, nonconcurr	rent with
any other live							
14) No notches all	lowed in overhang and 100	00 from left end and 0 from right end or "	12" along rake from scarf,	whiche	ver	is larger. Minimum 1.5x4 tie plates require	ed at
2-0-0 o.c. max	imum between the stacking	g chords. For edge-wise notching, provide	de at least one tie plate be	etween e	eac	h notch.	
LOAD CASE(S)		70 No. 10					
The state of the s		e=1.15, Plate Increase=1.15					
Uniform Loads		44.07.00					
	-2=-74, 2-9=-74, 9-10=-74,						
Uniform Loads	the state of the s	rease=1.15, Plate Increase=1.15					
	(911) -2=-62, 2-9=-61, 9-10=-62,	11-27=-20					
		e: Lumber Increase=1.25, Plate Increase	=1 25				
Uniform Loads			1.20				
	-2=-24, 2-9=-24, 9-10=-24,	11-27=-40					
4) Dead + 0.6 C-C	Wind (Pos. Internal) Case	1: Lumber Increase=1.60, Plate Increas	e=1.60				
Uniform Loads	(plf)						
	-2=13, 2-9=25, 9-10=25, 11						
		-9=-34, 9-10=-34, 9-11=29					
The State of the S	Contraction of a residence of the contraction of th	2: Lumber Increase=1.60, Plate Increas	e=1.60				
Uniform Loads	No. of the control of						
	-2=21, 2-9=25, 9-10=25, 11						
		3-9=-34, 9-10=-34, 9-11=-15 - 1: Lumber Increase=1.60, Plate Increas	-1.60				
Uniform Loads		1. Lumber increase=1.60, Plate increas	BE-1.00				
	-2=-19, 2-9=-34, 9-10=-34,	11-27=-20					
	2-27=-19, 1-2=5, 2-3=-10, 3						
		2: Lumber Increase=1.60, Plate Increas	se=1.60				
Uniform Loads	(plf)	THE STATE STATE OF THE STATE OF					
	-2=-29, 2-9=-34, 9-10=-34,						
	2-27=25, 1-2=-5, 2-3=-10, 3						
		eft: Lumber Increase=1.60, Plate Increa	se=1.60				
Uniform Loads							
	-2=35, 2-9=25, 9-10=25, 1						
		-9=-33, 9-10=-33, 9-11=17	222-1 60				
Uniform Loads	,	Right: Lumber Increase=1.60, Plate Incre	ase=1.00				
	-2=6, 2-9=10, 9-10=10, 11-	.27=_12					
		3-9=-19, 9-10=-19, 9-11=-13					
		Left: Lumber Increase=1.60, Plate Incre	ease=1.60				
Uniform Load:	the second secon						
	10-1 00-1 010-1 11	07 00					

Horz: 2-27=23, 1-2=28, 2-3=23, 3-9=-23, 9-10=-23, 9-11=8

11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-2=-10, 2-9=-15, 9-10=-15, 11-27=-20

Horz: 2-27=-8, 1-2=14, 2-3=9, 3-9=-9, 9-10=-9, 9-11=-23

12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-2=20, 2-9=25, 9-10=25, 11-27=-12

Horz: 2-27=11, 1-2=28, 2-3=33, 3-9=-33, 9-10=-33, 9-11=16

13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-2=6, 2-9=10, 9-10=10, 11-27=-12

Horz: 2-27=-16, 1-2=14, 2-3=19, 3-9=-19, 9-10=-19, 9-11=-11

14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-2=10, 2-9=15, 9-10=15, 11-27=-12 Horz: 2-27=6, 1-2=18, 2-3=23, 3-9=-23, 9-10=-23, 9-11=12

15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-2=1, 2-9=6, 9-10=6, 11-27=-12

Horz: 2-27=-12, 1-2=10, 2-3=14, 3-9=-14, 9-10=-14, 9-11=-6

16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-2=4, 2-9=-1, 9-10=-1, 11-27=-20

Horz: 2-27=21, 1-2=28, 2-3=23, 3-9=-23, 9-10=-23, 9-11=7

17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-2=-10, 2-9=-15, 9-10=-15, 11-27=-20

Horz: 2-27=-7, 1-2=14, 2-3=9, 3-9=-9, 9-10=-9, 9-11=-21

18) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-2=-124, 2-9=-24, 9-10=-24, 11-27=-20

19) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90

Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20





K5735058

loh	Truce	Truce Tune	lOty	IDI.	A Discourse Til
	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH K57350
	A11	GABLE	1	1	Job Reference (optional)
PRECISION TRUSS & LUMBER,	INC., CLACKAMAS,OR. 97015		ID:D0JFF4nFl	h1jqNrCl5	8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 09:52:15 2019 Page 3 JavfxzoYef-v43dn3ly6G27mXTzUN5rDvZ55yxf6OHkk3WZzczkv2k
Uniform Loads (plf)	.) + 0.75(0.6 MWFRS Wind ( 2-9=-44, 9-10=-44, 11-27=-2	Neg. Int) Left): Lumber Increase=1.60, P			
Horz: 2-27=17, 21) Dead + 0.75 Snow (bal.	1-2=21, 2-3=18, 3-9=-18, 9		Plate Increase=	1.60	
	2-9=-55, 9-10=-55, 11-27=-2 1-2=10, 2-3=7, 3-9=-7, 9-10				
		Neg. Int) 1st Parallel): Lumber Increase=	=1.60, Plate Incre	ease=1.60	)
	2-9=-44, 9-10=-44, 11-27=-2 , 1-2=21, 2-3=18, 3-9=-18, 9				
Uniform Loads (plf)		Neg. Int) 2nd Parallel): Lumber Increase:	=1.60, Plate Incr	rease=1.6	0
	2-9=-55, 9-10=-55, 11-27=-2 1-2=10, 2-3=7, 3-9=-7, 9-10				
24) Dead + Minimum Snow Uniform Loads (plf)	: Lumber Increase=1.15, Pla	ate Increase=1.15			
	2-9=-64, 9-10=-64, 11-27=-2 ber Increase=1.25, Plate Inc				
Uniform Loads (plf)	2-9=-24, 9-10=-24, 11-27=-2				
Concentrated Loads (Ib Vert: 50=-250					
Uniform Loads (plf)	ber Increase=1.25, Plate Inc				
Concentrated Loads (Ib Vert: 51=-250	2-9=-24, 9-10=-24, 11-27=-2 ))	.0			
	ber Increase=1.25, Plate Inc	rease=1.25			
Concentrated Loads (It	2-9=-24, 9-10=-24, 11-27=-2 o)	0			
	ber Increase=1.25, Plate Inc	rease=1.25			
Uniform Loads (plf) Vert: 1-2=-24, Concentrated Loads (lt	2-9=-24, 9-10=-24, 11-27=-2	0			
Vert: 53=-250	ber Increase=1.25, Plate Inc	rease=1.25			
	2-9=-24, 9-10=-24, 11-27=-2	20			
Concentrated Loads (Ib Vert: 54=-250		4.05			
Uniform Loads (plf)	ber Increase=1.25, Plate Inc 2-9=-24, 9-10=-24, 11-27=-2				
Concentrated Loads (It		.0			
<ol> <li>7th Moving Load: Lum Uniform Loads (plf)</li> </ol>	ber Increase=1.25, Plate Inc				
Concentrated Loads (It	2-9=-24, 9-10=-24, 11-27=-2 ))	20			
Vert: 56=-250 32) 8th Moving Load: Lum Uniform Loads (plf)	ber Increase=1.25, Plate Inc	rease=1.25			
	2-9=-24, 9-10=-24, 11-27=-2 b)	20			
	ber Increase=1.25, Plate Inc	rease=1.25			
the state of the s	2-9=-24, 9-10=-24, 11-27=-2	20			
Concentrated Loads (It	o) mber Increase=1.25, Plate Ir	perease=1.25			
Uniform Loads (plf)	2-9=-24, 9-10=-24, 11-27=-2				
Concentrated Loads (It Vert: 59=-250					
Uniform Loads (plf)	mber Increase=1.25, Plate Ir				
Vert: 1-2=-24, Concentrated Loads (It Vert: 60=-250	2-9=-24, 9-10=-24, 11-27=-2 b)	20			
	mber Increase=1.25, Plate Ir	ocrease=1.25			
	2-9=-24, 9-10=-24, 11-27=-2	20			



K5735058

Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	
19-OT0360	A11	GABLE	1	1		K5735058
					Job Reference (optional)	
PRECISION TRUSS & L	UMBER, INC., CLACKAMAS,	DR. 97015			8 240 s Dec 6 2018 MiTek Industries Inc. Eri Fe	h 15 09-52-15 2019 Page 4

ID:D0JFF4nFh1jqNrCl5JavfxzoYef-v43dn3ly6G27mXTzUN5rDvZ55yxf6OHkk3WZzczkv2k

## LOAD CASE(S)

Concentrated Loads (lb)

Vert: 15=-250

37) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (Ib)

Vert: 61=-250

38) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 62=-250

39) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 63=-250

40) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 27=-250

41) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 26=-250

42) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb) Vert: 25=-250

43) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 24=-250

44) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 23=-250

45) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 22=-250

46) 22nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 21=-250

47) 23rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 20=-250

48) 24th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 19=-250

49) 25th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 18=-250

50) 26th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 17=-250

51) 27th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 16=-250



Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	
19-OT0360	A11	GABLE	1	1		K5735058
					Job Reference (optional)	

PRECISION TRUSS & LUMBER, INC., CLACKAMAS, OR, 97015

B.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 09:52:15 2019 Page 5 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-v43dn3ly6G27mXTzUN5rDvZ55yxf6OHkk3WZzczkv2k

#### LOAD CASE(S)

52) 28th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)
 Vert: 1-2e-24, 2-9e-24, 9-10e-24, 11-27e-20
Concentrated Loads (lb)
 Vert: 14e-250

53) 29th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)
Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20
Concentrated Loads (lb)

Vert: 13=-250
54) 30th Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 12=-250

55) 31st Moving Load: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf) Vert: 1-2=-24, 2-9=-24, 9-10=-24, 11-27=-20

Concentrated Loads (lb)

Vert: 11=-250



loh Ply Truss Truss Type Qty 4-Plex SW 58TH K5735059 19-OT0360 A12 GABLE 1 Job Reference (optional) 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:15 2019 Page 1 Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015. ID:D0JFF4nFh1jqNrCl5JavfxzoYef-S8l90Nos4TfQa0ggcUGpf6HN?9qvEOMGn1VxNnzkvGo -1-0-0 0-11-0 0-1-0 Scale = 1:35.6

> MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

0.25 12

Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.

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

REVIEWED FOR CODE

COMPLIANCE

APR 01 2019

Permit Number

except end verticals.

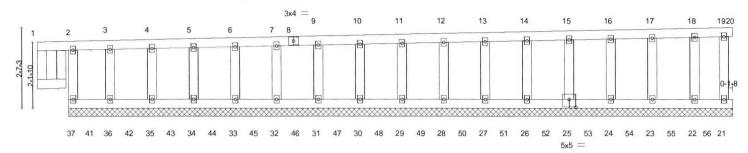


Plate Offsets (X,Y)-- [25:0-2-8,0-3-0] LOADING (psf) SPACING. 2-0-0 CSL DEFI I/defl 1/d PLATES GRIP (loc) TCLL 25.0 Plate Grip DOL TC 0.15 Vert(LL) 0.00 1.15 n/r 120 MT20 185/148 (Roof Snow=25.0) BC Lumber DOL 1.15 0.10 Vert(CT) -0.00n/r 90 TCDL 12.0 WB Rep Stress Incr YES 0.02 Horz(CT) -0.0120 n/a n/a **BCLL** 0.0 \* Code IRC2015/TPI2014 Matrix-R Weight: 98 lb FT = 0%BCDL

**BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF No.2 2x4 DF No.2 BOT CHORD

2x4 HF Std \*Except\* WFBS 38-39,1-38: 2x4 DF No.2

**OTHERS** 2x4 HF Std

REACTIONS. All bearings 21-2-7.

(lb) - Max Horz 37=72(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 37, 20, 21, 36, 35, 34, 33, 32, 31,

30, 29, 28, 27, 26, 25, 24, 23, 22

Max Grav All reactions 250 lb or less at joint(s) 20 except 37=312(LC 41), 21=267(LC

57), 36=296(LC 42), 35=311(LC 43), 34=308(LC 44), 33=309(LC 45), 32=309(LC 46), 31=309(LC 47), 30=309(LC 48), 29=309(LC 49), 28=309(LC 50), 27=309(LC

51), 26=309(LC 52), 25=309(LC 53), 24=309(LC 54), 23=310(LC 55), 22=307(LC

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

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-0-0 to 2-0-0, Exterior(2) 2-0-0 to 21-2-7 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 6) All plates are 2x3 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.
- 8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web)
- 9) Gable studs spaced at 1-4-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 12) Bearing at joint(s) 20 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) 37, 20, 21, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22.

EXPIRES: 12-31-2019 February 15,2019

STERED PROFESSON ENGINEER SOL

89200PF

Continued on page 2

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 

\*\*AMSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	
19-OT0360	A12	GABLE	1	1		K5735059
					Job Reference (optional)	

Precision Truss & Lumber, Inc.,

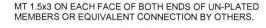
CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:15 2019 Page 2 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-S8I90Nos4TfQa0ggcUGpf6HN?9qvEOMGn1VxNnzkvGo

### NOTES-

14) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

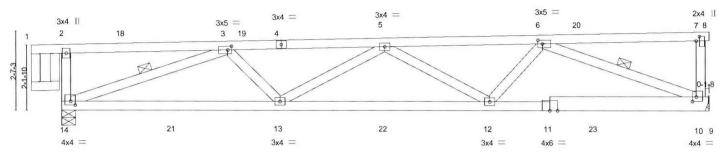
lob	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	K5735060
19-OT0360	A13	Jack-Closed	9	1		1070000
Precision Truss & Lur	nber, Inc., CLACKAN	IAS, OR - 97015,	ID DO IEEA E		Job Reference (optional) ec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:16	
-0-1-0			ID:DUJFF4nFn		avfxzoYef-wKsYDjpUrnoHCAFsABn2CKqQ2Zy0zkIP0	JhEVvDzkvGn
<del>-1-0-0</del>	5-5-6 5-5-6	10-7-3 5-1-14	1	15-9-1 5-1-14	21-2-7 5-5-6	-
0-1-0						Scale = 1:36.5



0.25 12

except end verticals.

1 Row at midpt



L		7-2-0		T		14-0-7		San	1		21-2-7		
		7-2-0			6-10-8					7-2-0			
Plate Offsets (X,)	Y) [3:0-	1-8,0-1-8], [6:0-1-12,0-	1-8], [7:0-1-13	,0-1-4], [10:0-	-1-8,0-1-12]	, [14:0-1-12,0-1-8]	1						
(Roof Snow=25.0 TCDL 12 BCLL 0	5.0 0) 2.0 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TF	2-0-0 1.15 1.15 YES PI2014	BC	0.64 1.00 0.42 -S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.22 -0.35 0.05		I/defl >999 >713 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 98 lb	<b>GRIP</b> 185/148 FT = 0%	
LUMBER-						BRACING-							

TOP CHORD

**BOT CHORD** 

WEBS

TOP CHORD 2x4 DF No.2

2x4 DF No.2 \*Except\* **BOT CHORD** 

9-11: 2x6 DF No.2

**WEBS** 2x4 HF Std \*Except\* 15-16,1-15: 2x4 DF No.2

REACTIONS. (lb/size) 14=1064/0-5-8, 10=1000/Mechanical

Max Horz 14=71(LC 9)

Max Uplift 14=-174(LC 8), 10=-129(LC 8)

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

TOP CHORD 2-14=-284/103, 3-5=-2238/255, 5-6=-2068/254

**BOT CHORD** 13-14=-254/1989, 12-13=-324/2457, 10-12=-242/1793

**WEBS** 3-14=-2035/305, 3-13=0/446, 5-13=-262/116, 5-12=-460/121, 6-12=0/492,

6-10=-1858/272

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 21-2-7 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 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) except (jt=lb) 14=174, 10=129.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



Structural wood sheathing directly applied or 3-11-5 oc purlins,

3-14, 6-10

Rigid ceiling directly applied or 2-2-0 oc bracing.



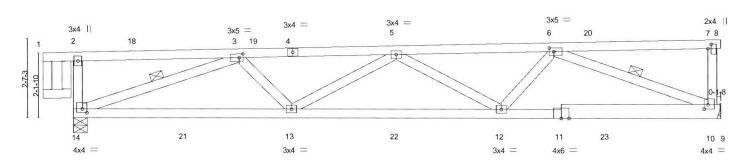
EXPIRES: 12-31-2019 February 15,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 Design value for use only which mease continuous. 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

\*\*ABSITPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type		Qty	Ply	4-Plex SW 58TH	Darry.
19-OT0360	DT0360 A14 Jack-Closed  ecision Truss & Lumber, Inc., CLACKAMAS, OR - 97015,		1	1	K5735	061	
						Job Reference (optional)	
Precision Truss & L	umber, Inc., CLACKAI	MAS, OR - 97015,			8.240 s E	Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:17 2019 Page 1	1
				ID:D0JFF4n	Fh1jqNrCI5J	JavfxzoYef-OWQwQ3q6c4w8pKq2kvIHkXNboyIFiBYZFL 2SfzkvGm	
					100		
1-1-0-0 H	5-5-6		10-7-3		15-9-1	21-2-7	
	5-5-6	II.	5-1-14	1	5-1-14	5-5-6	
0-1-0						Scale = 1:	:36.5
	MT 1.5x3 C	N EACH FACE OF BOTH	ENDS OF UN-PLA	TED			
	MEMBERS	OR EQUIVALENT CONN	ECTION BY OTHER	RS.			
					(	0.25 12	



1	7-2-0		1		14-0-7			1	21-2-7				
	7-2-0			6-10-8					7-2-0				
Plate Offsets (X,Y) [3	:0-1-8,0-1-8], [6:0-1-12,0-1	1-8], [7:0-1-13	,0-1-4], [10:0	-1-8,0-1-12]	[14:0-1-12,0-1-8]						er auto-		
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TF	2-0-0 1.15 1.15 YES PI2014	CSI. TC BC WB Matrix	0.64 1.00 0.42	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.22 -0.35 0.05		I/defl >999 >713 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 98 lb	<b>GRIP</b> 185/148 FT = 0%		
LUMBER-					BRACING-								

TOP CHORD

**BOT CHORD** 

**WEBS** 

TOP CHORD 2x4 DF No.2

2x4 DF No.2 \*Except\* **BOT CHORD** 

9-11: 2x6 DF No.2

**WEBS** 2x4 HF Std \*Except\* 15-16,1-15: 2x4 DF No.2

REACTIONS. (lb/size) 14=1064/0-5-8, 10=1000/Mechanical

Max Horz 14=71(LC 9)

Max Uplift 14=-174(LC 8), 10=-129(LC 8)

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

TOP CHORD 2-14=-284/103, 3-5=-2238/255, 5-6=-2068/254

**BOT CHORD** 13-14=-254/1989, 12-13=-324/2457, 10-12=-242/1793

**WEBS** 3-14=-2035/305, 3-13=0/446, 5-13=-262/116, 5-12=-460/121, 6-12=0/492,

6-10=-1858/272

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 21-2-7 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 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) except (jt=lb) 14=174, 10=129.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

City of Portland REVIEWED FOR CODE COMPLIANCE APR 01 2019 Permit Number

Structural wood sheathing directly applied or 3-11-5 oc purlins,

3-14, 6-10

Rigid ceiling directly applied or 2-2-0 oc bracing.

except end verticals.

1 Row at midpt



EXPIRES: 12-31-2019 February 15,2019

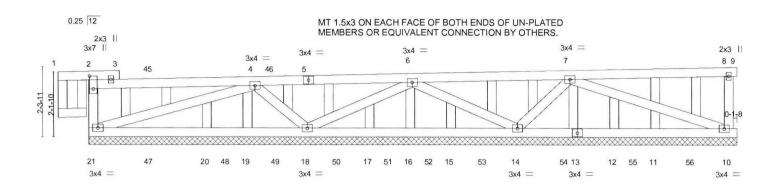
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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 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, reaction and bracing of trusses and truss systems, see 

ANSI/THI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



.loh Truss Truss Type Qty Ply 4-Plex SW 58TH K5735062 19±OT0360 A15 GABLE 1 Job Reference (optional) Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015. 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:18 2019 Page 1  $ID: D0JFF4nFh1jqNrCI5JavfxzoYef-sj\_lePqkNO2?RUPEHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNO2?RUPEHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNO2?RUPEHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNO2?RUPEHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNO2?RUPEHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNO2?RUPEHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNO2?RUPEHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNO2?RUPEHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNO2?RUPEHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNO2?RUPEHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNO2?RupeHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNo2?RupeHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNo2?RupeHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNo2?RupeHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNo2?RupeHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNo2?RupeHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNo2?RupeHcpWHlvrkMnmRiGiT?jb\_6zkvGlinePqkNo2?RupeHcpWHlvrkMnmRiGiT?phwditAttfinePqkNo2?RupeHcpWHlvrkMnmRiGiT?phwditAttfinePqkNo2?RupeHcpWHlvrkMnmRiGiT?phwditAttfinePqkNo2?RupeHcpWHlvrkMnmRiGiT?phwditAttfinePqkNo2?RupeHcpWHlvrkMnmRiGiT?phwditAttfinePqkNo2?RupeHcpWHlvrkMnmRiGiT?phwditAttfinePqkNo2?RupeHcpWHlvrkMnmRiGiT?phwditAttfinePqkNo2?RupeHcpWHlvrkMnmRiGiT?phwditAttfinePqkNo2?RupeHcpWHlvrkMnmPqkNo2?RupeHcpWHlvrkMnmPqkNo2?RupeHcpWHlvrkMnmPqk$ 1-1-0-0 | 0-1-0



T.	7-2-0		1		14-0-7			1		21-2-7	
1	7-2-0				6-10-8					7-2-0	
Plate Offsets (X,Y) [2:0	-5-0,0-1-8]										
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES		0.37 0.34 0.14	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.01 0.00	(loc) 1 1 1	l/defl n/r n/r n/r	L/d 120 90 n/a	PLATES MT20	GRIP 185/148
BCDL 10.0	Code IRC2015/TF	PI2014	Matri	x-S						Weight: 112 lb	FT = 0%

BRACING.

TOP CHORD

BOT CHORD

IUMBER-

TOP CHORD 2x4 DF No 2 BOT CHORD 2x4 DF No.2

2x4 HF Std \*Except\* WEBS 27-28,1-27: 2x4 DF No.2

OTHERS 2x4 HF Std

REACTIONS. All bearings 21-2-7

(lb) - Max Horz 21=61(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 11, 12, 15, 16, 17 except

21=-101(LC 8), 10=-177(LC 8), 18=-150(LC 8), 14=-143(LC 8), 19=-111(LC 25),

9=-361(LC 1)

Max Grav All reactions 250 lb or less at joint(s) 9 except 21=381(LC 35),

10=623(LC 1), 18=603(LC 1), 14=607(LC 1), 11=284(LC 44), 12=298(LC 43),

15=281(LC 41), 16=273(LC 40), 17=284(LC 39), 19=262(LC 37), 20=323(LC 25)

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

TOP CHORD 2-21=-270/103, 8-10=-564/178 WEBS

4-18=-527/163, 6-18=-408/138, 6-14=-395/129, 7-14=-492/161

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 21-2-7 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
- 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
- 10) Bearing at joint(s) 9 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) 11, 12, 15, 16, 17 except (jt=lb) 21=101, 10=177, 18=150, 14=143, 19=111, 9=361
- 12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along Continue attoma Geord, nonconcurrent with any other live loads



Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals



Scale = 1:36.4

EXPIRES: 12-31-2019 February 15,2019

M. WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/THI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	
19-OT0360	A15	GABLE	1	1		K5735062
					Job Reference (optional)	

Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MTek Industries, Inc. Fri Feb 15 11:37:19 2019 Page 2 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-KvYgrkrN7iAs3e\_RrKKlpyS0Um7?A9WsifT9WYzkvGk

#### NOTES

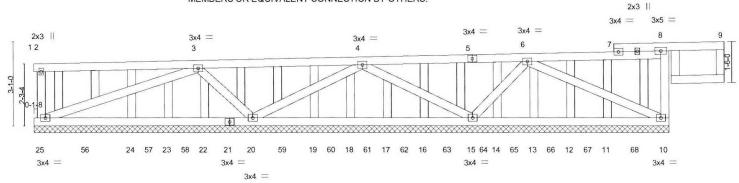
13) No notches allowed in overhang and 10000 from left end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

Ply Truss Type Qty 4-Plex SW 58TH Job Truss K5735063 19-OT0360 B01 GABLE Job Reference (optional) 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:21 2019 Page 1 CLACKAMAS, OR - 97015. Precision Truss & Lumber, Inc., ID:D0JFF4nFh1jqNrCl5JavfxzoYef-GlgRGQtdfJQalx7pzlNDvNXldaq8e2j99zyGbQzkvGi 23-1-11 5-1-11

Scale = 1:40.6

0.25 12

# MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.



I.	8-0-0	1		1	6-0-0		1	23-1-11			
1	8-0-0	- 1	8-0-0					7-1-11			
Plate Offsets (X,Y) [7:0-0-1,	,0-0-0]										
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TP	2-0-0 1.15 1.15 YES	CSI. TC BC WB Matri	0.52 0.30 0.22 x-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.00 -0.01 0.00	(loc) 8 9 10	l/defl n/r n/r n/a	L/d 120 90 n/a	PLATES MT20 Weight: 139 lb	GRIP 185/148 FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF No.2 BOT CHORD 2x4 DF No.2

WEBS 2x4 HF Std \*Except\* 28-29: 2x4 DF No.2

OTHERS 2x4 HF Std

REACTIONS. All bearings 23-1-11.

(lb) - Max Horz 1=87(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 18, 22, 17, 14, 13, 12 except

 $25 = -231(LC\ 8),\ 10 = -106(LC\ 12),\ 20 = -185(LC\ 8),\ 15 = -175(LC\ 8),\ 23 = -114(LC\ 25),$ 

1=-451(LC 1)

Max Grav All reactions 250 lb or less at joint(s) 1 except 25=747(LC 1), 10=405(LC

1), 20=670(LC 1), 15=608(LC 1), 18=273(LC 45), 19=289(LC 44), 22=283(LC 42),

23=258(LC 41), 24=314(LC 40), 17=276(LC 46), 16=283(LC 47), 14=268(LC 49),

13=280(LC 50), 12=271(LC 51), 11=292(LC 52)

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

TOP CHORD 2-25=-673/248, 8-10=-370/126

WEBS 3-20=-544/196, 4-20=-481/169, 4-15=-450/160, 6-15=-473/163

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-0-0 to 3-0-0, Exterior(2) 3-0-0 to 25-1-11 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 22, 17, 14, 13, 12 except (it=lb) 25=231, 10=106, 20=185, 15=175, 23=114, 1=451.
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

City of Portland
REVIEWED FOR CODE
COMPLIANCE

APR 0 1 2019

Permit Number

Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.





EXPIRES: 12-31-2019 February 15,2019

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	VE725000
19-OT0360	B01	GABLE	1	1		K5735063
					Job Reference (optional)	

Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:21 2019 Page 2 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-GlgRGQtdfJQalx7pzlNDvNXldaq8e2j99zyGbQzkvGi

### NOTES-

12) No notches allowed in overhang and 0 from left end and 20000 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

Ply 4-Plex SW 58TH .loh Truss Truss Type Qty K5735064 19-OT0360 B02 JACK-CLOSED 1 Job Reference (optional) 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:22 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-kUDpUmtFQdYQw5i0WSuSRb4Rwz25NR0IOdhp7tzkvGh Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015. 6-0-0 23-2-11 25-1-11 0-1-0 1-11-0 23-1-11 6-0-0 6-0-0 5-1-11

Scale = 1:40.6

0.25 12

Structural wood sheathing directly applied or 3-10-11 oc purlins,

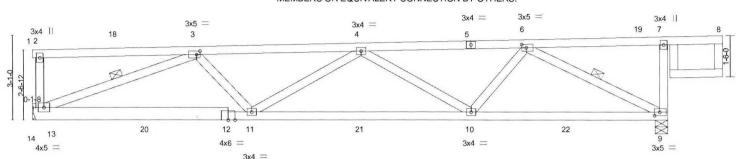
3-13, 6-9

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

except end verticals.

1 Row at midpt

#### MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.



LOADING (psf) TCLL 25.0 SPACING- 2-0-0 CSI. DEF	7-1-11  FL. in (loc) I/defl L/d PLATES GRIP
LOADING (psf) TCLL 25.0 SPACING- 2-0-0 CSI. DEF	EL. in (loc) I/defl I/d PLATES GRIP
TCII 250	L. in (loc) l/defl L/d PLATES GRIP
(Roof Snow=25.0)	(LL) -0.26 10-11 >999 240 MT20 185/148 (CT) -0.40 10-11 >674 180 z(CT) 0.05 9 n/a n/a Weight: 112 lb FT = 09

TOP CHORD

**BOT CHORD** 

WEBS

TOP CHORD 2x4 DF No.2

**BOT CHORD** 2x6 DF No.2 \*Except\*

9-12: 2x4 DF No.1&Btr

2x4 HF Std \*Except\* WEBS

15-16: 2x4 DF No.2

REACTIONS. (lb/size) 13=1086/Mechanical, 9=1234/0-5-8

Max Horz 13=85(LC 11)

Max Uplift 13=-145(LC 8), 9=-185(LC 12)

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

3-4=-2205/257, 4-6=-1940/227, 7-9=-362/115 TOP CHORD

**BOT CHORD** 11-13=-261/1975, 10-11=-323/2424, 9-10=-198/1578

3-13=-2029/308, 3-11=0/435, 4-11=-265/119, 4-10=-578/159, 6-10=0/592, WEBS

## NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; 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 25-1-11 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 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) except (jt=lb) 13=145, 9=185
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



City of Portland

REVIEWED FOR CODE COMPLIANCE

APR 01 2019

Permit Number

EXPIRES: 12-31-2019 February 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 properly 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Ply 4-Plex SW 58TH K5735065 19°-OT0360 B03 JACK-CLOSED 1 Job Reference (optional) CLACKAMAS, OR - 97015. 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:23 2019 Page 1 Precision Truss & Lumber, Inc., ID:D0JFF4nFh1jqNrCl5JavfxzoYef-DgnBh6utBwgHXFHC49Ph\_odcgNOK6uGRdHRMfJzkvGg 18-0-0 | 23-1-11 23-2<sub>1</sub>11 25-1-11 6-0-0 23-2-11 25-1-11 0-1-0 1-11-0 6-0-0 6-0-0 5-1-11

Scale = 1:40.6

#### MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

0.25 12

Structural wood sheathing directly applied or 3-10-11 oc purlins,

35136-8f Portland

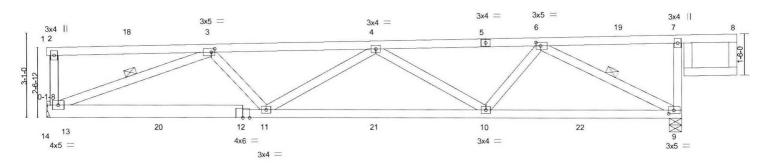
APR 01 2019

Permit Number

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

except end verticals

1 Row at midpt



	8-0-0			16-0-0					23-1-11			
Plate Offsets (X,Y) [3:0	8-0-0 0-1-8,0-1-8], [6:0-2-0,0-1-	81 [9:0-2-4.0-	1_81		8-0-0				/	-1-11		
LOADING (psf)	 	0], [9.0-2-4,0-	1-0]		T					T		
Programme and the second state of the second s	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP	
	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.26	10-11	>999	240	MT20	185/148	
(Roof Snow=25.0)	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.40	10-11	>674	180			
TCDL 12.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.05	9	n/a	n/a			
BCLL 0.0 * BCDL 10.0	Code IRC2015/TF	PI2014	Matrix	k-S						Weight: 112 lb	FT = 0%	
LUMBER-					BRACING-					1		

TOP CHORD

**BOT CHORD** 

WEBS

TOP CHORD 2x4 DF No.2

2x6 DF No.2 \*Except\* **BOT CHORD** 9-12: 2x4 DF No.1&Btr

2x4 HF Std \*Except\* WEBS

15-16: 2x4 DF No.2

REACTIONS. (lb/size) 13=1086/Mechanical, 9=1234/0-5-8

Max Horz 13=85(LC 11)

Max Uplift 13=-145(LC 8), 9=-185(LC 8)

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

TOP CHORD 3-4=-2205/256, 4-6=-1940/227, 7-9=-362/115

**BOT CHORD** 11-13=-263/1975, 10-11=-320/2424, 9-10=-195/1578

**WEBS** 3-13=-2029/308, 3-11=0/435, 4-11=-265/119, 4-10=-578/159, 6-10=0/592,

6-9=-1771/253

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; 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 25-1-11 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=145, 9=185,
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



EXPIRES: 12-31-2019 February 15,2019

Marning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MTek® 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 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/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type		Qty	Ply	4-Plex SW 58TH		K5735066
19-OT0360	B04	JACK-CLOSED		5	1	Job Reference (op	itional)	K3733000
Precision Truss &		KAMAS, OR - 97015,				ec 6 2018 MiTek In	dustries, Inc. Fri Feb 15 11 VVyEo89PsOetwwW09jKnh	
1	6-0-0	12-0-0		18-0-0			25-1-11	25-2111 0-1-0
	6-0-0	6-0-0 MT 1.5x3 ON EACH FAC	E OF BOTH ENDS OF U	6-0-0 N-PLATED			7-1-11	0-1-0 Scale 117.42.2
		MEMBERS OR EQUIVAL					0.25 12	
		3x6 =	3x4 =		3x4 =	3x6 =		3x4
3x4	18	3	4		5	6	19	7 8
12	A				()	10	R	
14 13	20	12 11	21		10		22	9
4x6 =		4x6 = 3x4 =			3x4 =			4x5 =

F	8-0-0 8-0-0		16-0-0 8-0-0				25-1-11					
Plate Offsets (X,Y) [3:0	-2-0,0-1-8], [6:0-2-0,0-1-	8], [7:0-1-9,0-	1-0], [9:0-2-0									
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TF	2-0-0 1.15 1.15 YES PI2014	CSI. TC BC WB Matri	0.94 1.00 0.75 x-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.39 -0.59 0.07	(loc) 9-10 9-10 9	I/defl >753 >506 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 116 lb	GRIP 185/148 FT = 0%	

TOP CHORD

**BOT CHORD** 

WEBS

TOP CHORD 2x4 DF No.2

2x6 DF No.2 \*Except\* **BOT CHORD** 9-12: 2x4 DF No.1&Btr

WEBS 2x4 HF Std \*Except\*

15-16: 2x4 DF No.2

REACTIONS. (lb/size) 13=1186/Mechanical, 9=1249/0-5-8

Max Horz 13=86(LC 11)

Max Uplift 13=-159(LC 8), 9=-176(LC 8)

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

TOP CHORD 3-4=-2513/303, 4-6=-2572/308, 7-9=-334/103

**BOT CHORD** 11-13=-291/2214, 10-11=-377/2878, 9-10=-300/2280

**WEBS** 3-13=-2283/348, 3-11=0/499, 4-11=-437/132, 4-10=-368/130, 6-10=0/535,

6-9=-2345/339

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ff; 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 26-1-11 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=159, 9=176,
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



Structural wood sheathing directly applied or 3-6-3 oc purlins,

3-13, 6-9

Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

except end verticals.

1 Row at midpt

2-2-0 oc bracing: 9-10.



EXPIRES: 12-31-2019 February 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 10/03/2015 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 tracing 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty 4-Plex SW 58TH K5735067 19-OT0360 B05 GABI F Job Reference (optional) 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:26 2019 Page 1 CLACKAMAS, OR - 97015. Precision Truss & Lumber, Inc.,

ID:D0JFF4nFh1jqNrCl5JavfxzoYef-dFTJJ8xmUr2sPj0nllyOcREEsbaUJM0uJFg1GezkvGd

25-2-11 0-1-0 Scale-11-041.9

MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

0.25 12

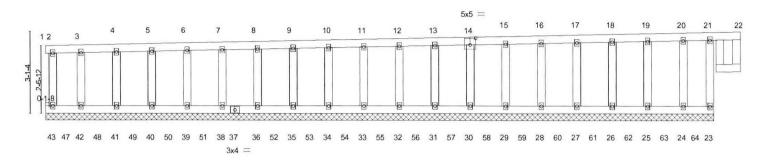


Plate Offsets (X,Y)-- [14:0-2-8,0-3-0] LOADING (psf) SPACING-DEFL. 2-0-0 CSI. **PLATES** GRIP in (loc) I/defl L/d TCLL 25.0 Plate Grip DOL 0.24 TC Vert(LL) 0.00 1.15 21 n/r 120 MT20 185/148 (Roof Snow=25.0) BC Lumber DOL 1.15 0.10 Vert(CT) -0.00 22 n/r 90 TCDL 12.0 Rep Stress Incr YES WB 0.03 Horz(CT) 0.01 23 n/a n/a 0.0 \* BCLL Code IRC2015/TPI2014 Matrix-R Weight: 125 lb FT = 0%BCDL 10.0 BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF No.2 2x4 DF No.2 **BOT CHORD** 

2x4 HF Std \*Except\* **WEBS** 44-45: 2x4 DF No.2

OTHERS 2x4 HF Std

REACTIONS.

All bearings 25-1-11.

(lb) - Max Horz 1=87(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 43, 23, 1, 42, 41, 40, 39, 38, 36,

35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24

Max Grav All reactions 250 lb or less at joint(s) 1 except 43=271(LC 44)

23=308(LC 63), 42=310(LC 45), 41=309(LC 46), 40=309(LC 47), 39=309(LC 48), 38=309(LC 49), 36=309(LC 50), 35=309(LC 51), 34=309(LC 52), 33=309(LC 53), 32=309(LC 54), 31=309(LC 55), 30=309(LC 56), 29=309(LC 57), 28=309(LC 58),

27=309(LC 59), 26=309(LC 60), 25=310(LC 61), 24=292(LC 62)

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

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-0-0 to 3-0-0, Exterior(2) 3-0-0 to 26-1-11 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 6) All plates are 2x3 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing
- 8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

9) Gable studs spaced at 1-4-0 oc.

- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 43, 23, 1, 42, 41, 40, 39, 38, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24.
- 13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 6-0-0 oc bracing

except end verticals.



EXPIRES: 12-31-2019 February 15,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 Design Valid for use only with Mil eke Conhectors. 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 

\*\*ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss T	уре	Qty	Ply	4-Plex S	W 58TH			K5735068
19-ОТ0360	В06	GABLE		1		1				K3/33000
							erence (option			
Precision Truss & L	Lumber, Inc., CLAC	CKAMAS, OR - 97015,								:29 2019 Page 1
				ID:D0JFF4nFI	11jqNrCl5Ja	vfxzoYef-1q9	9Sy9zenmQR	GAIMRQW	/5D3sgVoamWg	_K?DuhtzzkvGa 26-1-7
1	6-0-0	T. Comment	12-0-0	1 18	-0-0	1		25	-1-7	25-2-7
	6-0-0		6-0-0	6	-0-0			7-	1-7	0-1-0
										Scale-11 1.42.2
			FACE OF BOTH ENDS							0.25 12
		MEMBERS OR EQU	JIVALENT CONNECTIO	N BY OTHERS.						2x3
										3x8 II
					3x4 =	= 3x4	=			
2x4		3x4 =	3>	<b>√</b> 4 =	384 -	6				8 9
1 2		3	4		5	· ·				7 9
1.15					•	1				
e   10							7			
3-1-13				1				7		
2-3-12										
0-1-8										
T T T T T T T T T T T T T T T T T T T		, p, p								
<b></b>	***************************************	***************************************	***************************************	***************************************	******	*********	**********	*******	***********	
25 5	6 24 57 23	58 22 21 20	59 19 60 18 6	1 17 62 16	63 15	64 14	65 13 66	12 67	11 68	10
3x4 =		3x4	=		3x4	=				3x4 =
		3x4 =								
		-								

1	8-0-0			16-0-0				25-1-7					
	8-0-0	1		8-0-	0		1			9-1-7			
Plate Offsets (X,Y) [8:0	-5-0,0-1-8]												
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI. TC BC WB	0.53 0.25 0.20	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.01 0.00	(loc) 8 9 10	l/defl n/r n/r n/a	L/d 120 90 n/a	PLATES MT20	<b>GRIP</b> 185/148		
BCDL 10.0	Code IRC2015/TPI	2014	Matri	x-R						Weight: 146 lb	FT = 0%		

TOP CHORD

BOT CHORD

TOP CHORD 2x4 DF No.2 2x4 DF No.2

**BOT CHORD** 2x4 HF Std \*Except\* WEBS

8-10.30-31: 2x4 DF No.2

**OTHERS** 2x4 HF Std

REACTIONS. All bearings 25-1-7.

(lb) - Max Horz 1=89(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 17, 18, 19, 23, 14, 13, 12 except 25=-214(LC 8), 10=-105(LC 12), 20=-181(LC 8), 15=-203(LC 12), 1=-361(LC 1)

Max Grav All reactions 250 lb or less at joint(s) 1 except 25=658(LC 1), 10=412(LC

1), 20=657(LC 1), 15=739(LC 1), 17=274(LC 46), 18=276(LC 45), 19=282(LC 44),

22=289(LC 42), 23=263(LC 41), 24=301(LC 40), 16=286(LC 47), 14=281(LC 49),

13=277(LC 50), 12=270(LC 51), 11=294(LC 52)

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

TOP CHORD 2-25=-583/229, 8-10=-340/120 WEBS

3-20=-550/197, 4-20=-430/151, 4-15=-438/155, 6-15=-625/214

### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ff; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-0-0 to 3-0-0, Exterior(2) 3-0-0 to 26-1-7 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
- 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 18, 19, 23, 14, 13, 12 except (jt=lb) 25=214, 10=105, 20=181, 15=203, 1=361.
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

EXPIRES: 12-31-2019 February 15,2019

Continued on page 2

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 Design valid for use only with Mil ek® 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 

\*\*ANSI/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

City of Portland REVIEWED FOR CODE COMPLIANCE

APR 0 1 2019

Permit Number

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

except end verticals.

Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH
19-OT0360	B06	GABLE	1		K5735068
					Job Reference (optional)
Precision Truss & I	Lumber, Inc., CLACKA	MAS, OR - 97015,	ID:D0JFF4nF		Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:30 2019 Page 2 JavfxzoYef-V0iq9V_GY4YItKKY_81KmHPrFCw?F7ETEteEPPzkvGZ

NOTES-

<sup>12)</sup> No notches allowed in overhang and 0 from left end and 10000 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

Job	Truss	Truss Type		Qty	Ply	4-Plex SW 58TH		K5735069
19-OT0360	B07	JACK-CLOSED		5	1			K3733009
Precision Truss & L		AMAS, OR - 97015,	I	D:D0JFF4nFh	3.240 s De		nai) stries, Inc. Fri Feb 15 11 /4YItKKY_81KmHPlwCk	RF?tTEteEPPzkvGZ 26-1-7
-	6-0-0 6-0-0	12-0-0 6-0-0	I	18-0-0 6-0-0			25-1-7 7-1-7	25-2-7 0-1-0 Scale 1-1-0.42.2
		1.5x3 ON EACH FACE OF BO MBERS OR EQUIVALENT CO					0.25 12	
		3x6 =	3x4 =		3x4 =	3x6 =		3x4
3x4      1 2	18	3	4		5	6	19	7 8
2-7-4	<b>D</b>				<b>ΦI</b>		A	9
0-18					6/			
14 13	20	12 11	21		10		22	9
4x6 =		4x6 = 3x4 =			3x4 =			4x5 =

	8-0-0	16-0-0			-			25-1-7	
Plate Offsets (X,Y) [3:0	8-0-0 0-2-0,0-1-8], [6:0-2-0,0-1-8], [7:0-1-9,0-1-	8-0-0 -0], [9:0-2-0,0-2-0], [13:0-						9-1-7	
LOADING (psf) TCLL 25.0 Roof Snow=25.0) TCDL 12.0 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 0.94 BC 0.99 WB 0.74 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.39 -0.58 0.07	(loc) 9-10 9-10 9	l/defl >757 >511 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 117 lb	GRIP 185/148 FT = 0%
	n.2 *Except* DF No.1&Btr d *Except*		BRACING- TOP CHORE BOT CHORE WEBS	) F	except e Rigid ce	nd vertica iling direct bracing:	als. tly applied o 9-10.	" REVIEWED	except: Portland FOR CODE
Max Horz	13=1185/Mechanical, 9=1248/0-5-8 13=88(LC 11) 13=-159(LC 8), 9=-176(LC 8)							COMP	Liance 1 2019

TOP CHORD 3-4=-2465/297, 4-6=-2522/303, 7-9=-333/103

**BOT CHORD** 11-13=-288/2171, 10-11=-368/2823, 9-10=-293/2235

3-13=-2247/343, 3-11=0/496, 4-11=-431/130, 4-10=-363/128, 6-10=0/531, WEBS

# NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; 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 26-1-7 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=159, 9=176,
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



Permit Number

EXPIRES: 12-31-2019 February 15,2019

M WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 dange. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



19-OT0360	В08	Jack-Closed		5	1 Jo	b Reference (	optional)		K5735070
Precision Truss & Lu	umber, Inc., CLAC	KAMAS, OR - 97015,	ID:D	0JFF4nFh1j	8.240 s Dec	6 2018 MiTek	Industries, In	nc. Fri Feb 15 11:3 YrYZJUy_ob6F_W	
-	6-0-0 6-0-0		-0-0 0-0		18-0-0 6-0-0		1	23-1-7 5-1-7	23-2-7 0-1-0 Scale 1 - 1:38.9
			ON EACH FACE OF BOTH S OR EQUIVALENT CONN					0.25 12	
3x4      1 2	18	3x5 = 3	3x4 = 4		5	4 =	3x5 = 6	19	2x3    7   8
3-1-5	A						**	A	1001
14 13 4x5 =	20	12 11 4x6 = 3x4 =	21		1: 3x	0 4 =	;	22	9

Ply

Qty

4-Plex SW 58TH

	8-0-0	1	16-0-0		23-1-7
	8-0-0		8-0-0	1	7-1-7
Plate Offsets (X,Y) [3:0-1-	-8,0-1-8], [6:0-2-0,0-1-8], [9:0-2-4,0-	1-8]			
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 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 0.67 BC 0.83 WB 0.47 Matrix-S	DEFL. in (loc) Vert(LL) -0.26 10-11 Vert(CT) -0.40 10-11 Horz(CT) 0.05 9	l/defl L/d >999 240 >680 180 n/a n/a	PLATES GRIP MT20 185/148 Weight: 109 lb FT = 0%

TOP CHORD

**BOT CHORD** 

WEBS

Job

TOP CHORD 2x4 DF No.2

**BOT CHORD** 2x6 DF No.2 \*Except\*

9-12: 2x4 DF No.1&Btr 2x4 HF Std \*Except\* **WEBS** 

15-16: 2x4 DF No.2

REACTIONS. (lb/size) 13=1091/Mechanical, 9=1154/0-5-8

Truss

Truss Type

Max Horz 13=86(LC 11)

Max Uplift 13=-146(LC 8), 9=-163(LC 8)

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

TOP CHORD 3-4=-2179/256, 4-6=-1936/233, 7-9=-252/78

**BOT CHORD** 11-13=-265/1950, 10-11=-318/2400, 9-10=-201/1587

WEBS 3-13=-2011/307, 3-11=0/434, 4-11=-268/120, 4-10=-557/152, 6-10=0/577,

# NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; 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 24-1-7 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=146, 9=163.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



Structural wood sheathing directly applied or 3-10-15 oc purlins,

3-13.6-9

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

except end verticals.

1 Row at midpt



EXPIRES: 12-31-2019 February 15,2019

🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev., 10/03/2015 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 properly 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Ply 4-Plex SW 58TH K5735071 19-OT0360 B09 GABLE Job Reference (optional) Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015. 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:33 2019 Page 1

ID: D0JFF4nFh1jqNrCI5JavfxzoYef-wbOznX09q?xtkn27gGb1Ov1RpPzmSXhwwqsu0kzkvGWScale 11-1:38.7

### MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

0.25 12

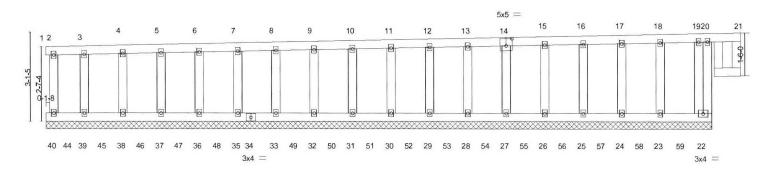
Structural wood sheathing directly applied or 6-0-0 oc purlins,

City of Portland EWED FOR CODE COMPLIANCE

APR 01 2019

Rigid ceiling directly applied or 6-0-0 oc bracing

except end verticals



23-1-7 Plate Offsets (X,Y)-- [14:0-2-8,0-3-0] LOADING (psf) SPACING-2-0-0 CSI DEFI I/defl L/d **PLATES** GRIP in (loc) TCLL 25.0 Plate Grip DOL 1.15 TC 0.25 Vert(LL) 0.00 20 n/r 120 MT20 185/148 (Roof Snow=25.0) BC Lumber DOL 1.15 0.12 Vert(CT) -0.00 21 n/r 90 TCDL 12.0 Rep Stress Incr YES WB 0.03 Horz(CT) 0.01 22 n/a n/a BCLL 0.0 \* Code IRC2015/TPI2014 Matrix-R Weight: 118 lb FT = 0%BCDL

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF No.2 BOT CHORD 2x4 DF No.2 2x4 HF Std \*Except\* WEBS 41-42: 2x4 DF No.2

**OTHERS** 2x4 HF Std

REACTIONS. All bearings 23-1-7.

(lb) - Max Horz 1=88(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 40, 22, 1, 39, 38, 37, 36, 35, 33,

32, 31, 30, 29, 28, 27, 26, 25, 24, 23

Max Grav All reactions 250 lb or less at joint(s) 1 except 40=271(LC 42),

22=321(LC 59), 39=312(LC 43), 38=309(LC 44), 37=309(LC 45), 36=309(LC 46), 35=309(LC 47), 33=309(LC 48), 32=309(LC 49), 31=309(LC 50), 30=309(LC 51), 29=309(LC 52), 28=309(LC 53), 27=309(LC 54), 26=309(LC 55), 25=309(LC 56),

24=309(LC 57), 23=305(LC 58)

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

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-0-0 to 3-0-0, Exterior(2) 3-0-0 to 24-1-7 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 6) All plates are 2x3 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing
- 8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web)
- 9) Gable studs spaced at 1-4-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 40, 22, 1, 39, 38, 37, 36, 35, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23.
- 13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



EXPIRES: 12-31-2019 February 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 10/03/2015 BEFORE U.S.E. 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/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Ply Truss Truss Type Qty 4-Plex SW 58TH K5735072 19-OT0360 B10 GABLE Job Reference (optional) 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:36 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-KA45QY217wJRbFniLO8k0YfyLc?qftUMco5Yd3zkvGT CLACKAMAS, OR - 97015. Precision Truss & Lumber, Inc.,

> 25-0-11 25-0-11

0.25 12

Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.

25-1-11 0-1-0

Scale-11-041.8

MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

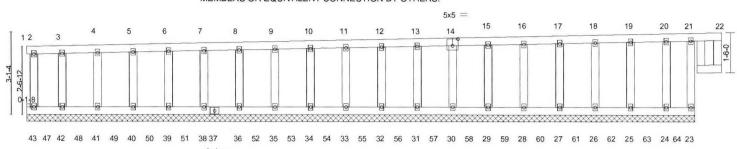


Plate Offsets (X,Y)-- [14:0-2-8,0-3-0] LOADING (psf) SPACING-CSI. DEFL PLATES 2-0-0 in (loc) I/defl I/d GRIP TCLL 25.0 Plate Grip DOL TC 0.24 1.15 Vert(LL) 0.00 21 185/148 n/r 120 MT20 (Roof Snow=25.0) Lumber DOL 1.15 BC 0.10 Vert(CT) -0.00 22 90 n/r TCDL 12.0 Rep Stress Incr YES WB 0.03 0.01 23 Horz(CT) n/a n/a 0.0 \* BCLL Code IRC2015/TPI2014 Matrix-R Weight: 125 lb FT = 0%BCDL 10.0

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF No.2 2x4 DF No.2 **BOT CHORD** 

2x4 HF Std \*Except\* **WEBS** 44-45: 2x4 DF No.2

**OTHERS** 2x4 HF Std

REACTIONS.

All bearings 25-0-11.

Max Horz 1=88(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 43, 23, 1, 42, 41, 40, 39, 38, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24

Max Grav All reactions 250 lb or less at joint(s) 1 except 43=271(LC 44),

23=306(LC 63), 42=310(LC 45), 41=309(LC 46), 40=309(LC 47), 39=309(LC 48), 38=309(LC 49), 36=309(LC 50), 35=309(LC 51), 34=309(LC 52), 33=309(LC 53), 32=309(LC 54), 31=309(LC 55), 30=309(LC 56), 29=309(LC 57), 28=309(LC 58),

27=309(LC 59), 26=309(LC 60), 25=310(LC 61), 24=289(LC 62)

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

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-0-0 to 3-0-0, Exterior(2) 3-0-0 to 26-0-11 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding
- 6) All plates are 2x3 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing
- 8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 9) Gable studs spaced at 1-4-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 43, 23, 1, 42, 41, 40, 39, 38, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24,
- 13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



City of Portland iewed for code Compliance

APR 0 1 2019

Permit Number

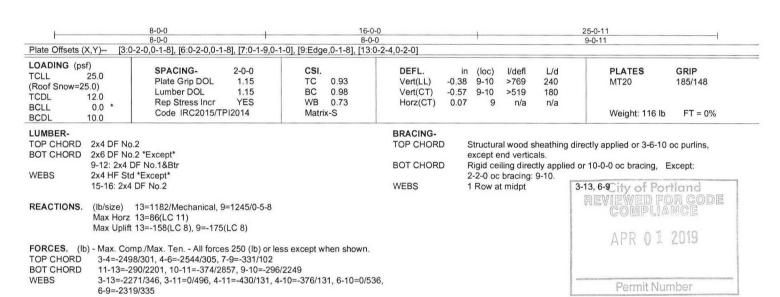
EXPIRES: 12-31-2019 February 15,2019

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ANSI/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type		Qty	Ply	4-Plex SW 58TH		K5735073
19-OT0360	B11	JACK-CLOSED		5	1	Job Reference (opt	ional)	K3733073
Precision Truss & L		AMAS, OR - 97015,	II			ec 6 2018 MiTek Ind	dustries, Inc. Fri Feb 15 11 4HfXZ9rZx4SpAC5zk61Q\$	
-	6-0-0 6-0-0	12-0-0 6-0-0		18-0-0 6-0-0			25-0-11 7-0-11	25-1 <sub>7</sub> 11 0-1-0 Scale 117.42.1
			ON EACH FACE OF BO				0.25 12	
		3x6 =			3x4 =	3x6 =		3x4
3x4 II	18	3	3x4 =		5	6	19	7 8
1 2					T D	90.1-		
3-1-4	A						A	1-6-0
0-18								
14 13	20	12 11	21		10		22	9
4x6 =		4x6 = 3x4 =			3x4 =			3x6 =



### NOTES-

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; 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 26-0-11 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=158. 9=175.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



EXPIRES: 12-31-2019 February 15,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



4-Plex SW 58TH Job Truss Truss Type Qty Ply K5735074 19-OT0360 B12 JACK-CLOSED 1 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:39 2019 Page 1
ID:D0JFF4nFh1jqNrCl5JavfxzoYef-IIIE2a5vQrh0SiWH0XhRdAHLfqr4s7GolmJDDOzkvGQ
18-0-0
23-0-11 CLACKAMAS, OR - 97015, Precision Truss & Lumber, Inc., 23-1<sub>1</sub>11 25-0-11 0-1-0 1-11-0 5-0-11

Scale = 1:40.4

### MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

0.25 12

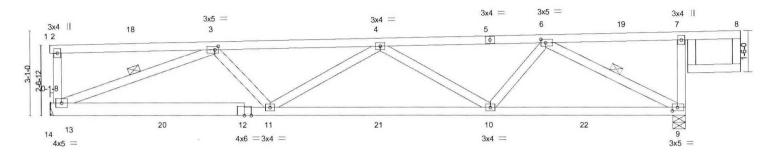
Structural wood sheathing directly applied or 3-10-14 oc purlins,

3-13, 6-9

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

except end verticals.

1 Row at midpt



1	8-0-0				16-0-0		-		-	3-0-11	
Plate Offsets (X V) [3	8-0-0 :0-1-8,0-1-8], [6:0-2-0,0-1-	1_81		8-0-0					7-0-11		
	.0-1-0,0-1-0], [0.0-2-0,0-1-	0], [3.0-2-4,0-	1-0 <u>1</u>		T						
LOADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (	loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.26 10	-11	>999	240	MT20	185/148
(Roof Snow=25.0)	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.40 10	-11	>673	180		
TCDL 12.0	Rep Stress Incr	YES		0.47	Horz(CT)	0.05	9	n/a	n/a		
BCLL 0.0 *	Code IRC2015/TF		Matrix-		(0.)					Weight: 111 lb	FT = 0%
BCDL 10.0	0000 111020 10/11		· · · · · · · · · · · · · · · · · · ·							110.91.6.11.12	
LUMBER-					BRACING-						

TOP CHORD

**BOT CHORD** 

WEBS

2x4 DF No.2 TOP CHORD

2x6 DF No.2 \*Except\* **BOT CHORD** 9-12: 2x4 DF No.1&Btr

2x4 HF Std \*Except\* WEBS

15-16: 2x4 DF No.2

REACTIONS. (lb/size) 13=1082/Mechanical, 9=1230/0-5-8

Max Horz 13=85(LC 11)

Max Uplift 13=-144(LC 8), 9=-184(LC 8)

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

3-4=-2190/254, 4-6=-1914/224, 7-9=-362/114 TOP CHORD

11-13=-261/1963, 10-11=-317/2403, 9-10=-191/1549 **BOT CHORD WEBS** 

3-13=-2017/306, 3-11=0/433, 4-11=-258/119, 4-10=-585/159, 6-10=0/595,

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; 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 25-0-11 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
- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=144, 9=184.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



City of Portland

APR 01 2019

Permit Number

IEWED FOR CODE COMPLIANCE

EXPIRES: 12-31-2019 February 15,2019

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\*\*ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Type Ply 4-Plex SW 58TH Truss Qty K5735075 19-ÖT0360 B13 GABLE 1 Job Reference (optional)

23-0-11

Precision Truss & Lumber Inc.

CLACKAMAS OR - 97015

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:41 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-h8t\_TG6AySxki0ff8xkvjbMjadiVK7s5m4oJIGzkvGO

Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 6-0-0 oc bracing

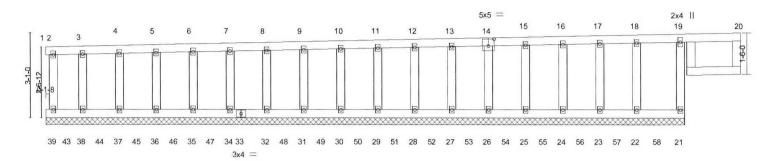
except end verticals.

23-1-1125-0-11

Scale = 1:40.2

MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

0.25 12



23-0-11 Plate Offsets (X,Y)-- [14:0-2-8,0-3-0] LOADING (psf) SPACING-DEFL 2-0-0 CSL in (loc) I/defl 1/4 PLATES GRIP TCLL 25.0 Plate Grip DOL 1.15 TC 0.52 Vert(LL) 0.00 185/148 19 n/r 120 MT20 (Roof Snow=25.0) Lumber DOI 1.15 BC 0.13 -0.02 Vert(CT) 20 n/r 90 TCDL 12.0 YES WB Rep Stress Incr 0.08 Horz(CT) 0.01 21 n/a n/a 0.0 \* BCLL Code IRC2015/TPI2014 Matrix-R Weight: 117 lb FT = 0%BCDL 10.0

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF No.2 2x4 DF No.2 BOT CHORD

2x4 HF Std \*Except\* **WEBS** 40-41: 2x4 DF No.2

2x4 HF Std OTHERS

REACTIONS. All bearings 23-0-11.

Max Horz 1=87(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 39, 1, 38, 37, 36, 35, 34, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23 except 21=-101(LC 8), 22=-114(LC 18)

Max Grav All reactions 250 lb or less at joint(s) 1 except 39=272(LC 42),

21=449(LC 18), 38=319(LC 43), 37=307(LC 44), 36=309(LC 45), 35=309(LC 46), 34=309(LC 47), 32=309(LC 48), 31=309(LC 49), 30=309(LC 50), 29=309(LC 51), 28=309(LC 52), 27=308(LC 53), 26=309(LC 54), 25=309(LC 55), 24=309(LC 56),

23=313(LC 57), 22=284(LC 58)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 19-21=-445/147

# NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-0-0 to 3-0-0, Exterior(2) 3-0-0 to 25-0-11 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding
- 6) All plates are 2x3 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.
- 8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 9) Gable studs spaced at 1-4-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 39, 1, 38, 37, 36, 35, 34, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23 except (jt=lb) 21=101, 22=114.
- 13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



City of Portland

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APR 01 2019

Permit Number

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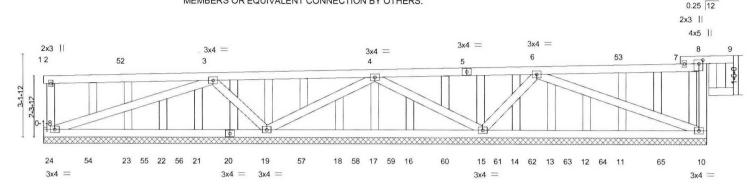
ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Ply 4-Plex SW 58TH K5735076 19-OT0360 B14 GABLE 1 Job Reference (optional) CLACKAMAS, OR - 97015. Precision Truss & Lumber, Inc., 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:43 2019 Page 1  $ID:D0JFF4nFh1jqNrCl5JavfxzoYef-dW?luy8QU3BSxKp2FMmNo0S3zRLeo\_UODOHQM9zkvGM\\$ 12-6-4 25-0-7 26-0-7 18-7-9 23-1-7 6-4-14

Scale = 1:42 0

### MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.



	8-5-5				16-7-2			18-0-0		25-0-7	1
	8-5-5				8-1-13			1-4-14		7-0-7	
Plate Offsets (X,Y) [8:0	0-1-12,0-1-12]										
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TF	2-0-0 1.15 1.15 YES PI2014	CSI. TC BC WB Matri	0.53 0.28 0.26 x-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.02 0.01	(loc) 8 9 10	l/defl n/r n/r n/a	L/d 120 90 n/a	PLATES MT20 Weight: 144 lb	<b>GRIP</b> 185/148 FT = 0%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 DF No.2 **BOT CHORD** 2x4 DF No.2

2x4 HF Std \*Except\* **WEBS** 25-26: 2x4 DF No.2

2x4 HF Std **OTHERS** 

REACTIONS. All bearings 25-0-7.

Max Horz 1=88(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 10, 17, 22, 14, 13 except

24=-287(LC 12), 1=-490(LC 1), 19=-186(LC 8), 15=-180(LC 8), 12=-102(LC 37)

All reactions 250 lb or less at joint(s) 1 except 24=800(LC 1), 10=392(LC

51), 17=260(LC 44), 18=297(LC 43), 19=715(LC 1), 21=295(LC 41), 22=258(LC

40), 23=307(LC 39), 16=299(LC 45), 15=680(LC 1), 14=265(LC 47), 13=283(LC

48), 12=261(LC 49), 11=308(LC 50)

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

TOP CHORD 2-24=-720/290, 3-4=-129/285, 8-10=-294/93 **WEBS** 

3-19=-621/212, 4-19=-555/179, 4-15=-434/149, 6-15=-572/185

# NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; 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 26-0-7 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 17, 22, 14, 13 except (jt=lb) 24=287, 1=490, 19=186, 15=180, 12=102.
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

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Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals



EXPIRES: 12-31-2019 February 15,2019

# Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 10/03/2015 REFORE 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 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/TH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	
19-OT0360	B14	GABLE	1	1		K5735076
		W. Markey			Job Reference (optional)	

Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:44 2019 Page 2  $ID:D0JFF4nFh1jqNrCl5JavfxzoYef-5jZ75l82FNJJZUOEp4HcKE\_EjrgtXRkXS21zvbzkvGL$ 

# NOTES-

12) No notches allowed in overhang and 0 from left end and 10000 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

Job Truss Truss Type Qty Ply 4-Plex SW 58TH K5735077 19-OT0360 B15 JACK-CLOSED GIRDER 1 Job Reference (optional) Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:45 2019 Page 1 26-0-7 Scale-11-042.1 MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED 0.25 12 MEMBERS OR EQUIVALENT CONNECTION BY OTHERS. 3x6 =3x4 = 3x4 || 3x6 =3x4 = 6 19 8 3x4 18 3 4 5 12 6 0

16-7-2 25-0-7 [2:0-2-1,0-0-4], [3:0-2-0,0-1-8], [6:0-2-4,0-1-8], [9:0-2-12,0-1-8], [13:0-2-4,0-2-0] Plate Offsets (X,Y)--LOADING (psf) SPACING-2-0-0 DEFL in (loc) I/defl L/d **PLATES** GRIP TCLL 25.0 TC Plate Grip DOL 1.15 0.82 Vert(LL) -0.329-10 >928 240 MT20 185/148 (Roof Snow=25.0) BC Lumber DOL 1.15 0.90 Vert(CT) -0.47 10-11 >629 180 TCDL 12.0 Rep Stress Incr YES WB 0.60 Horz(CT) 0.07 9 n/a n/a

BRACING-

TOP CHORD

**BOT CHORD** 

WEBS

21

LUMBER-

BCLL

BCDL

WEBS

TOP CHORD 2x4 DF No.2

13 14

4x6 =

2x6 DF No.2 \*Except\* **BOT CHORD** 

0.0 \*

9-12: 2x4 DF No.1&Btr

2x4 HF Std

REACTIONS. (lb/size) 13=1181/Mechanical, 9=1244/0-5-8

Max Horz 13=88(LC 11)

Max Uplift 13=-158(LC 8), 9=-176(LC 12)

20

12

4x6 =

11

3x4 =

Matrix-S

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 3-4=-2524/303, 4-6=-2399/289, 7-9=-304/93 TOP CHORD

11-13=-302/2260, 10-11=-373/2806, 9-10=-272/2063 **BOT CHORD** 

3-13=-2307/352, 3-11=0/470, 4-11=-340/125, 4-10=-487/147, 6-10=0/570, **WEBS** 

Code IRC2015/TPI2014

1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; 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 26-0-7 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00

3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.

4) Provide adequate drainage to prevent water ponding.

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

6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

7) Refer to girder(s) for truss to truss connections.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=158, 9=176.

9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

City of Portland APR 01 2019

Structural wood sheathing directly applied or 3-6-15 oc purlins,

3-13, 6-9

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

Weight: 116 lb

22

3x6 =

FT = 0%

10

3x4 =

except end verticals

1 Row at midpt

Permit Number

STERED PROFESS ER

> EXPIRES: 12-31-2019 February 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 per opporty damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

\*\*ABSITPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Plv 4-Plex SW 58TH K5735078 19-OT0360 B16 JACK-CLOSED GIRDER 1 Job Reference (optional) CLACKAMAS OR - 97015 Precision Truss & Lumber, Inc. 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:45 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-Zv6VJd9g0hRAAezRNnortRXLuFr0GpphhimXR1zkvGK 12-6-4 6-1-6 6-4-14 Scale-117.42.1

### MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

0.25 12

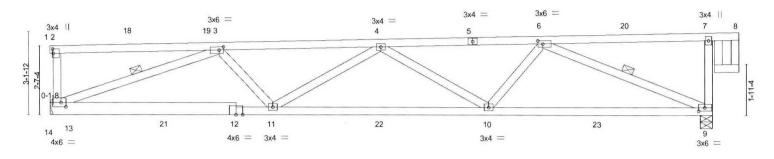
Structural wood sheathing directly applied or 3-6-15 oc purlins,

3-13, 6-9

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

except end verticals.

1 Row at midpt



	8-5-5			16-7-2		I.	25-0-7				
	8-5-5			8-1-13					8-5-5		
Plate Offsets (X,Y) [2	0-2-1,0-0-4], [3:0-2-0,0-1-8	8], [6:0-2-4,0-	1-8], [9:0-2-12,0-1-8]	, [13:0-2-4,0-2-0]							
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TP	2-0-0 1.15 1.15 NO I2014	CSI. TC 0.82 BC 0.99 WB 0.60 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.32 -0.47 0.07	(loc) 9-10 10-11 9	I/defl >928 >629 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 116 lb	GRIP 185/148 FT = 0%	
LUMBER-				BRACING-							

TOP CHORD

**BOT CHORD** 

**WEBS** 

REACTIONS.

TOP CHORD 2x4 DF No.2

2x6 DF No.2 \*Except\* **BOT CHORD** 

9-12: 2x4 DF No.1&Btr

**WEBS** 

2x4 HF Std

(lb/size) 13=1181/Mechanical, 9=1244/0-5-8

Max Horz 13=88(LC 11)

Max Uplift 13=-158(LC 8), 9=-175(LC 8)

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

TOP CHORD 3-4=-2524/302, 4-6=-2399/289, 7-9=-304/93

**BOT CHORD** 11-13=-297/2260, 10-11=-370/2806, 9-10=-269/2063

**WEBS** 3-13=-2307/352, 3-11=0/470, 4-11=-340/125, 4-10=-487/146, 6-10=0/570,

6-9=-2179/315

# NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; 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 26-0-7 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=158, 9=175
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.





EXPIRES: 12-31-2019 February 15,2019

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ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Type Ply 4-Plex SW 58TH Truss Qty K5735079 19-OT0360 B17 JACK-CLOSED 1 Job Reference (optional) CLACKAMAS, OR - 97015. Precision Truss & Lumber, Inc., 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:46 2019 Page 1 6-0-0 23-0-7 23-1-7 25-0-7 0-1-0 1-11-0 6-0-0 6-0-0 5-0-7

Scale = 1:40.4

### MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

0.25 12

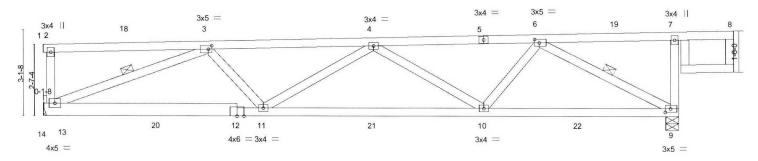
Structural wood sheathing directly applied or 3-11-5 oc purlins,

3-13, 6-9

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

except end verticals.

1 Row at midpt



1	8-0-0 8-0-0		16-0-0 8-0-0	1		<del></del>			
Plate Offsets (X,Y) [3	3:0-1-8,0-1-8], [6:0-2-0,0-1-8	8], [9:0-2-4,0-	1-8]						
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TP	2-0-0 1.15 1.15 YES	CSI. TC 0.67 BC 0.83 WB 0.47 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.26 10-11 -0.40 10-11 0.05 9	I/defl >999 >679 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 111 lb	<b>GRIP</b> 185/148 FT = 0%
LUMBER-				BRACING-					

TOP CHORD

**BOT CHORD** 

WEBS

TOP CHORD 2x4 DF No.2

**BOT CHORD** 2x6 DF No.2 \*Except\*

9-12: 2x4 DF No.1&Btr **WEBS** 2x4 HF Std \*Except\*

15-16: 2x4 DF No.2

REACTIONS. (lb/size) 13=1081/Mechanical, 9=1229/0-5-8

Max Horz 13=87(LC 11)

Max Uplift 13=-144(LC 8), 9=-184(LC 8)

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

TOP CHORD 3-4=-2153/250, 4-6=-1879/220, 7-9=-362/114

**BOT CHORD** 11-13=-259/1929, 10-11=-311/2362, 9-10=-186/1520

**WEBS** 3-13=-1988/302, 3-11=0/430, 4-11=-254/117, 4-10=-579/158, 6-10=0/593,

6-9=-1722/246

### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ff; 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 25-0-7 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \*This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=144, 9=184
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



City of Portland

APR 01 2019

Permit Number

EXPIRES: 12-31-2019 February 15,2019

🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MTE(NE) 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 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/THI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek 250 Klug Circle Corona, CA 92880 Joh Ply 4-Plex SW 58TH Truss Truss Type Qty K5735080 19-OT0360 B18 JACK-CLOSED Job Reference (optional) CI ACKAMAS. OR - 97015, 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:47 2019 Page 1 Precision Truss & Lumber, Inc., ID:D0JFF4nFh1jqNrCl5JavfxzoYef-WIEGjJBxXIhtQx7pUCrJyscjl2a?kIK\_80FeWwzkvGI 18-0-0 12-0-0 6-0-0 5-0-7

> MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

Scale = 1:40.4

0.25 12

Structural wood sheathing directly applied or 3-11-5 oc purlins,

3-13, 6-9

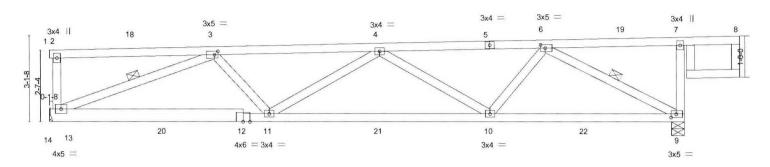
APR 0 1 2019

Permit Number

except end verticals.

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

except end verticals.



TCLL 25.0   Plate Grip DOL 1.15   TC 0.67   Vert(LL)   TCDL 12.0   Pen Stress Incr. VES   WB 0.47   Hegr(CT)	7-0-7
TCLL 25.0   Plate Grip DOL 1.15   TC 0.67   Vert(LL)   (Roof Snow=25.0)   Lumber DOL 1.15   BC 0.83   Vert(CT)   TCDL 12.0   Rep Stress Incr. VES   W/B 0.47   Hept/CT	
BCLL 0.0 * Code IRC2015/TPI2014 Matrix-S	in (loc) I/defl L/d PLATES GRIP -0.26 10-11 >999 240 MT20 185/148 -0.40 10-11 >679 180 0.05 9 n/a n/a Weight: 111 lb FT = 0%

TOP CHORD

**BOT CHORD** 

WEBS

LUMBER-

TOP CHORD 2x4 DF No.2

**BOT CHORD** 2x6 DF No.2 \*Except\*

9-12: 2x4 DF No.1&Btr 2x4 HF Std \*Except\* **WEBS** 

15-16: 2x4 DF No.2

REACTIONS. (lb/size) 13=1081/Mechanical, 9=1229/0-5-8

Max Horz 13=87(LC 11)

Max Uplift 13=-144(LC 8), 9=-184(LC 8)

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

TOP CHORD 3-4=-2153/250, 4-6=-1879/220, 7-9=-362/114

**BOT CHORD** 11-13=-259/1929, 10-11=-311/2362, 9-10=-186/1520

**WEBS** 3-13=-1988/302, 3-11=0/430, 4-11=-254/117, 4-10=-579/158, 6-10=0/593,

### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; 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 25-0-7 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 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) except (jt=lb) 13=144, 9=184
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

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> EXPIRES: 12-31-2019 February 15,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 REFORE 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 

\*\*ANSI/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

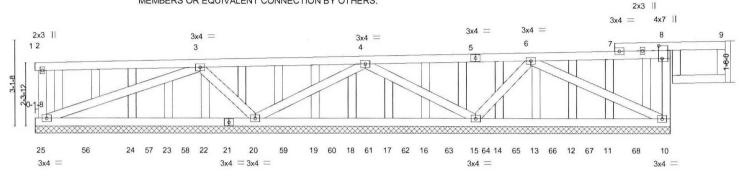


Qty Ply Job Truss Truss Type 4-Plex SW 58TH K5735081 19-OT0360 B19 GABLE 1 Job Reference (optional) CLACKAMAS, OR - 97015, Precision Truss & Lumber, Inc., 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:49 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-SgM08?CB3vybfFGCbdtn1Hh5ZsOmCjfGbKkkapzkvGG 6-0-0 6-0-0 6-0-0 5-0-7

Scale = 1:40.4

0.25 12

### MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.



1	8-0-0 8-0-0	1	16-0-0 8-0-0					23-0-7 7-0-7				
Plate Offsets (X,Y) [	7:0-0-1,0-0-0], [8:0-5-9,0-1	-8]			0-0-0					7-0-7		
LOADING (psf)       TCLL 25.0       (Roof Snow=25.0)       TCDL 12.0       BCLL 0.0 *       BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/Tf	2-0-0 1.15 1.15 YES PI2014	CSI. TC BC WB Matri	0.52 0.29 0.22 x-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.00 -0.01 0.00	(loc) 8 9 10	l/defl n/r n/r n/a	L/d 120 90 n/a	PLATES MT20 Weight: 140 lb	<b>GRIP</b> 185/148 FT = 0%	
LUMBER-					BRACING-							

TOP CHORD

BOT CHORD

TOP CHORD 2x4 DF No.2 **BOT CHORD** 2x4 DF No.2

2x4 HF Std \*Except\* WEBS 26-27: 2x4 DF No.2

2x4 HF Std **OTHERS** 

REACTIONS. All bearings 23-0-7.

(lb) - Max Horz 1=88(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 18, 22, 17, 14, 13, 12 except

25=-231(LC 8), 10=-106(LC 12), 20=-186(LC 8), 15=-172(LC 8), 23=-111(LC 25),

Max Grav All reactions 250 lb or less at joint(s) 1 except 25=746(LC 1), 10=402(LC 1), 20=671(LC 1), 15=603(LC 1), 18=273(LC 45), 19=288(LC 44), 22=284(LC 42),

23=258(LC 41), 24=313(LC 40), 17=275(LC 46), 16=283(LC 47), 14=267(LC 49), 13=280(LC 50), 12=271(LC 51), 11=291(LC 52)

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

TOP CHORD 2-25=-672/247, 8-10=-369/126

WEBS 3-20=-538/194, 4-20=-477/168, 4-15=-443/158, 6-15=-461/160

### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-0-0 to 3-0-0, Exterior(2) 3-0-0 to 25-0-7 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 22, 17, 14, 13, 12 except (jt=lb) 25=231, 10=106, 20=186, 15=172, 23=111, 1=450.
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads

STERED PROFES

EXPIRES: 12-31-2019 February 15,2019

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 10/03/2015 REFORE 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 Design value for use only with mit new contractors. 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 properly 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

City of Portland

APR 01 2019

Permit Number

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

except end verticals

Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH
19-OT0360	B19	GABLE	1		K573508
Mark Tarbus Interdeding		and the second s			Job Reference (optional)
Precision Truss & L	umber, Inc., CLACKA	MAS, OR - 97015,		8.240 s	Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:50 2019 Page 2
			ID:D0JFF4nFh	1jqNrCI5Ja	vfxzoYef-wtwOMLDpqD4SHPrO9KO0aVEGJGj?xAvQq_UI6FzkvGF

NOTES-

<sup>12)</sup> No notches allowed in overhang and 0 from left end and 20000 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

4-Plex SW 58TH Job Truss Truss Type Qty Ply K5735082 19-OT0360 B20 GABLE Job Reference (optional) 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:51 2019 Page 1

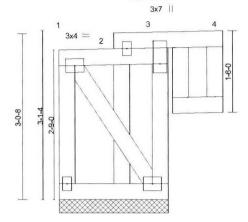
CLACKAMAS, OR - 97015, Precision Truss & Lumber, Inc.,

ID:D0JFF4nFh1jqNrCl5JavfxzoYef-O3UmZhERbXCJuZQaj2vF6inWDf6YgfXZ3eDrfhzkvGE

2-0-0 2-1-0 3-0-0 0-1-0 0-11-0

2x3 0125 12

Scale = 1:20.4



2x3 || 3x4 =

MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.
Rigid ceiling directly applied or 10-0-0 oc bracing, of Portland

Plate Offsets (X,Y	′) [3:0	-5-0,0-1-8]										
LOADING (psf) TCLL 25 (Roof Snow=25.0 TCDL 12 BCLL 0	)	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI. TC BC WB	0.19 0.08 0.07	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.00 -0.00 -0.00	(loc) 3 4 5	l/defl n/r n/r n/a	L/d 120 90 n/a	PLATES MT20	<b>GRIP</b> 185/148
BCDL 10		Code IRC2015/TI	PI2014	Matri	x-P						Weight: 22 lb	FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF No.2 BOT CHORD 2x4 DF No.2 WEBS 2x4 HF Std \*Except\*

8-9: 2x4 DF No.2 OTHERS 2x4 HF Std

REACTIONS. (lb/size) 7=43/2-0-0, 5=181/2-0-0, 6=22/2-0-0

Max Horz 7=87(LC 9)

Max Uplift 7=-51(LC 8), 5=-110(LC 9)

Max Grav 7=269(LC 27), 5=311(LC 29), 6=272(LC 28)

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

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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) 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 5=110
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 12) No notches allowed in overhang and 0 from left end and 10000 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

SISTERED PROFESS

Permit Number

EXPIRES: 12-31-2019 February 15,2019

M. WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Joh Ply 4-Plex SW 58TH Truss Truss Type Qty K5735083 19-OT0360 B21 GABLE 1 Job Reference (optional) 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:51 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-O3UmZhERbXCJuZQaj2vF6inW9f6YgfVZ3eDrfhzkvGE CLACKAMAS, OR - 97015, Precision Truss & Lumber, Inc.,

2-0-0 2-1-0 3-0-0 0-1-0 0-11-0 2-0-0

2x3 0,25 12

Scale = 1:20.6

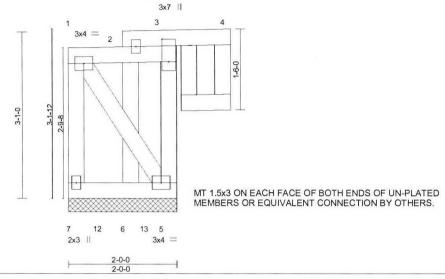


Plate Offsets (X,Y) [3:	0-5-0,0-1-8]	2-0-1			
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI, TC 0.20 BC 0.08 WB 0.07 Matrix-P	DEFL.         in (loc)           Vert(LL)         0.00         3           Vert(CT)         -0.00         4           Horz(CT)         -0.00         5	l/defl L/d n/r 120 n/r 90 n/a n/a	PLATES GRIP MT20 185/148 Weight: 22 lb FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

2x4 DF No.2 TOP CHORD **BOT CHORD** 2x4 DF No.2

2x4 HF Std \*Except\* WEBS

8-9: 2x4 DF No.2

**OTHERS** 2x4 HF Std

REACTIONS. (lb/size) 7=43/2-0-0, 5=181/2-0-0, 6=22/2-0-0

Max Horz 7=88(LC 9)

Max Uplift 7=-53(LC 8), 5=-112(LC 9)

Max Grav 7=269(LC 27), 5=311(LC 29), 6=272(LC 28)

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

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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) 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 5=112.
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 12) No notches allowed in overhang and 0 from left end and 10000 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.



Permit Number

of Portland

EXPIRES: 12-31-2019 February 15,2019

M WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 Design valid for use only with MI lek® 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 

\*\*ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

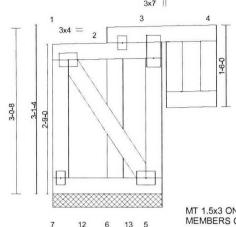


Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals

Job Truss Truss Type Qty Ply 4-Plex SW 58TH K5735084 19-OT0360 B22 GABLE 1 Job Reference (optional) Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015. 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:52 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-sF19n1F3MqKAWi?nHlQUfwJhz3SnP6mjllzPB7zkvGD 2-0-0 2-1-0 3-0-0 0-1-0 0-11-0 2x3 0|25 12 Scale = 1:20 4 3x7 || 3 2



2x3 ||

MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.
Rigid ceiling directly applied or 10-0-0 oc bracing.

Plate Offsets (X,Y) [3:	0-5-0,0-1-8]			2-0-							
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TP	2-0-0 1.15 1.15 YES I2014	CSI. TC BC WB Matri	0.19 0.08 0.07 x-P	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.00 -0.00 -0.00	(loc) 3 4 5	l/defl n/r n/r n/a	L/d 120 90 n/a	PLATES MT20 Weight: 22 lb	<b>GRIP</b> 185/148 FT = 0%

3x4 =

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 DF No.2 BOT CHORD 2x4 DF No.2 WEBS 2x4 HF Std \*Except\*

8-9: 2x4 DF No.2

OTHERS 2x4 HF Std

REACTIONS.

(lb/size) 7=43/2-0-0, 5=181/2-0-0, 6=22/2-0-0

Max Horz 7=87(LC 9)

Max Uplift 7=-51(LC 8), 5=-110(LC 9)

Max Grav 7=269(LC 27), 5=311(LC 29), 6=272(LC 28)

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

### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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) 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 5=110.
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 12) No notches allowed in overhang and 0 from left end and 10000 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.



EXPIRES: 12-31-2019 February 15,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Permit Number

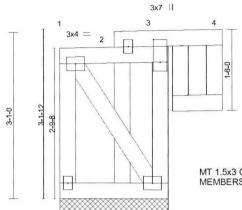
.lob Truss Truss Type Qty Ply 4-Plex SW 58TH K5735085 19-OT0360 B23 GABLE Job Reference (optional) CLACKAMAS, OR - 97015, Precision Truss & Lumber, Inc.,

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:53 2019 Page 1  $ID:D0JFF4nFh1jqNrCl5JavfxzoYef-KSbX\_MFh78S18sazqTxjC7srfTo08Y\_sWyiyjazkvGC$ 2-0-0

2-1-0 3-0-0 0-1-0 0-11-0

2x3 0125 12

Scale = 1:20 6



MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS.

Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals

12 6 13 5 2x3 || 3x4 = 2-0-0

Plate	Offsets	(X.Y)	[3:0-5-0	.0-1-81

LOADING (psf) TCLL 25	5.0	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
	-0.00	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	0.00	3	n/r	120	MT20	185/148
(Roof Snow=25.0		Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.00	4	n/r	90		
	2.0 0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	5	n/a	n/a		
	0.0	Code IRC2015/TF	PI2014	Matri	x-P						Weight: 22 lb	FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF No.2 **BOT CHORD** 2x4 DF No.2 2x4 HF Std \*Except\* WEBS 8-9: 2x4 DF No.2

**OTHERS** 2x4 HF Std

REACTIONS.

(lb/size) 7=43/2-0-0, 5=181/2-0-0, 6=22/2-0-0

Max Horz 7=88(LC 9)

Max Uplift 7=-53(LC 8), 5=-112(LC 9)

Max Grav 7=269(LC 27), 5=311(LC 29), 6=272(LC 28)

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

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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) 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 5=112.
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 12) No notches allowed in overhang and 0 from left end and 10000 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.



Permit Number

City of Portland

EXPIRES: 12-31-2019 February 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 10/03/2015 REFORE 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 properly 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, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



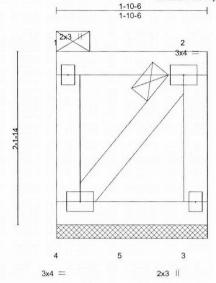
Truss Type Qty Ply 4-Plex SW 58TH Joh Truss K5735086 19-OT0360 BP01 ROOF SPECIAL SUPPORT 19 1 Job Reference (optional) CLACKAMAS OR - 97015

Precision Truss & Lumber, Inc.,

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:53 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-KSbX\_MFh78S18sazqTxjC7ssJTnZ8XgsWyiyjazkvGC

2-0-0 oc purlins: 1-2, except end verticals.

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



1-10-6

LOADING (psf) TCLL 25.0	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
(Roof Snow=25.0)	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	185/148
	Lumber DOL	1.15	BC	0.17	Vert(CT)	n/a	-	n/a	999		
TCDL 12.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	-0.00	3	n/a	n/a		
BCLL 0.0 * BCDL 10.0	Code IRC2015/TF	PI2014	Matri	ix-P						Weight: 11 lb	FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF No.2 2x4 DF No.2 **BOT CHORD** 2x4 HF Std **WEBS** 

(lb/size) 4=74/1-10-6, 3=74/1-10-6 REACTIONS.

Max Horz 4=57(LC 32)

Max Uplift 4=-296(LC 30), 3=-296(LC 33) Max Grav 4=302(LC 37), 3=302(LC 34)

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

TOP CHORD 2-3=-350/377 **WEBS** 2-4=-421/421

### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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) 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=296, 3=296
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads. 12) This truss has been designed for a total drag load of 135 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to resist
- drag loads along bottom chord from 0-0-0 to 1-10-6 for 135.0 plf. 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Scale = 1:13.8



EXPIRES: 12-31-2019 February 15,2019

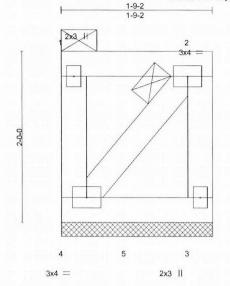
⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before 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 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 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Ply Job Truss Truss Type Qty 4-Plex SW 58TH K5735087 19-OT0360 BP02 ROOF SPECIAL SUPPORT 1 Job Reference (optional) Precision Truss & Lumber, Inc. CLACKAMAS OR - 97015

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:54 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-oe9vBiGKuSaul099OATykLP1lt70t\_7?lcSVF0zkvGB

2-0-0 oc purlins: 1-2, except end verticals.



LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0	SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI. TC BC	0.14 0.16	DEFL. Vert(LL) Vert(CT)	in n/a n/a	(loc) - -	l/defl n/a n/a	L/d 999 999	PLATES MT20	<b>GRIP</b> 185/148
BCLL 0.0 * BCDL 10.0	Rep Stress Incr Code IRC2015/TR	YES PI2014	WB Matri	0.14 x-P	Horz(CT)	-0.00	3	n/a	n/a	Weight: 10 lb	FT = 0%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 DF No.2 2x4 DF No.2 **BOT CHORD** 2x4 HF Std **WEBS** 

REACTIONS.

(lb/size) 4=69/1-9-2, 3=69/1-9-2

Max Horz 4=-53(LC 31)

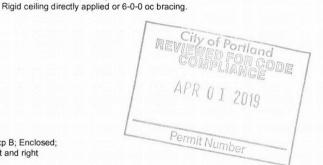
Max Uplift 4=-270(LC 30), 3=-270(LC 33) Max Grav 4=282(LC 63), 3=282(LC 64)

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

TOP CHORD 2-3=-320/345 WEBS 2-4=-387/387

### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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) 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) Provide adequate drainage to prevent water ponding
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 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.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=270, 3=270 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along
- the Bottom Chord, nonconcurrent with any other live loads. 12) This truss has been designed for a total drag load of 135 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-9-2 for 135.0 plf.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord



Scale = 1:13.0



EXPIRES: 12-31-2019 February 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 10/03/2015 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 

### ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Ply 4-Plex SW 58TH K5735088 19-OT0360 BP03 ROOF SPECIAL SUPPORT 10 Job Reference (optional)

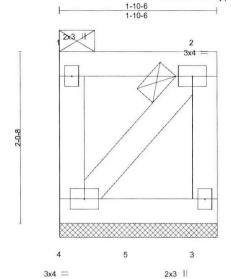
Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:55 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-HqjHP2HyflilNAkMyu BHYxC HT1cRl9 FB3oSzkvGA

2-0-0 oc purlins: 1-2, except end verticals.

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



1-10-6

LOADING (p TCLL (Roof Snow=: TCDL BCLL	25.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI. TC BC WB	0.14 0.17 0.15	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	<b>GRIP</b> 185/148
BCDL	10.0	Code IRC2015/TI	PI2014	Matri	x-P						Weight: 11 lb	FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF No.2 BOT CHORD 2x4 DF No.2 2x4 HF Std WEBS

REACTIONS. (lb/size) 4=74/1-10-6, 3=74/1-10-6

Max Horz 4=-54(LC 30)

Max Uplift 4=-276(LC 30), 3=-276(LC 33) Max Grav 4=285(LC 63), 3=285(LC 64)

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

TOP CHORD 2-3=-327/353 WEBS 2-4=-400/400

### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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) 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=276, 3=276. 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along
- the Bottom Chord, nonconcurrent with any other live loads. 12) This truss has been designed for a total drag load of 135 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 135.0 plf.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Scale = 1:13.2



EXPIRES: 12-31-2019 February 15,2019

🎪 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 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 

\*\*ANSITYP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



250 Klug Circle Corona, CA 92880

 Job
 Truss
 Truss Type
 Qty
 Ply
 4-Plex SW 58TH
 K5735089

 19-OT0360
 BP04
 ROOF SPECIAL SUPPORT
 10
 1
 Job Reference (optional)

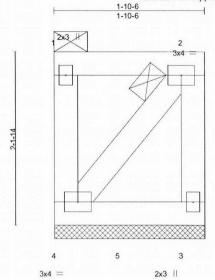
Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:56 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-l1HfcOlaQ3qc?KJYWbVQpmUNYgpGLuQIDvxcKvzkvG9

2-0-0 oc purlins: 1-2, except end verticals.

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



1-10-6 1-10-6

OADING CLL Roof Snow	25.0 =25.0)	SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI. TC BC	0.16 0.17	DEFL. Vert(LL) Vert(CT)	in n/a n/a	(loc) - -	l/defl n/a n/a	L/d 999 999	PLATES MT20	GRIP 185/148
TCDL BCLL BCDL	12.0 0.0 * 10.0	Rep Stress Incr Code IRC2015/TI	YES	WB Matri	0.15	Horz(CT)	-0.00	3	n/a	n/a	Weight: 11 lb	FT = 0%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 DF No.2 BOT CHORD 2x4 DF No.2 WEBS 2x4 HF Std

**REACTIONS.** (lb/size) 4=74/1-10-6, 3=74/1-10-6

Max Horz 4=57(LC 32)

Max Uplift 4=-296(LC 30), 3=-296(LC 33) Max Grav 4=302(LC 37), 3=302(LC 34)

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

TOP CHORD 2-3=-350/377 WEBS 2-4=-421/421

# NOTES-

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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) 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=296, 3=296.
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
  12) This truss has been designed for a total drag load of 135 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to resist
- drag loads along bottom chord from 0-0-0 to 1-10-6 for 135.0 plf.

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



Scale = 1:13.8



EXPIRES: 12-31-2019 February 15,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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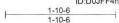
 Job
 Truss
 Truss Type
 Qty
 Ply
 4-Plex SW 58TH
 K5735090

 19-ÖT0360
 BP05
 ROOF SPECIAL SUPPORT
 5
 1
 Job Reference (optional)

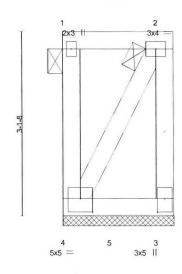
Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015.

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:57 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-DDr2qkJCBNyTdUuk3l0fMz1W048V4KXSRZgAsLzkvG8



Scale = 1:18.8



1-10-6 1-10-6

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

LOADING (psf) TCLL 25.0 (Roof Snow=25.0)	SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI. TC BC	0.30 0.17	DEFL. Vert(LL) Vert(CT)	in n/a n/a	(loc)	l/defl n/a n/a	L/d 999 999	PLATES MT20	<b>GRIP</b> 185/148
TCDL 12.0 BCLL 0.0 * BCDL 10.0	Rep Stress Incr Code IRC2015/TR	YES	WB Matri	0.23	Horz(CT)	-0.00	3	n/a	n/a	Weight: 14 lb	FT = 0%

BRACING-TOP CHORD

**BOT CHORD** 

### LUMBER-

TOP CHORD 2x4 DF No.2 BOT CHORD 2x4 DF No.2 WEBS 2x4 HF Std

REACTIONS. (lb/size) 4=74/1-10-8, 3=74/1-10-8

Max Horz 4=87(LC 33)

Max Uplift 4=-471(LC 30), 3=-471(LC 33) Max Grav 4=477(LC 37), 3=477(LC 34)

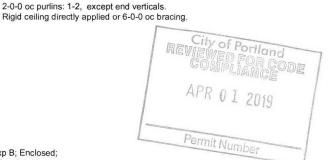
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-235/250, 2-3=-572/598

WEBS 2-4=-621/621

# NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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) Truss designed for wind loads in the plane of the truss only. For stude 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 12) This truss has been designed for a total drag load of 135 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 135.0 plf.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.





EXPIRES: 12-31-2019 February 15,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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a truss system. Before use, the building designer must verify the applicability of design parameters and property 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



 Job
 Truss
 Truss Type
 Qty
 Ply
 4-Plex SW 58TH

 19-ÕT0360
 BP06
 ROOF SPECIAL SUPPORT
 5
 1

 Job Reference (optional)

Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015,

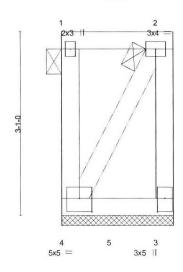
8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:58 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-hPPQ14Jqyg4KEdTwd0XuvBZhrUUkpnqbgDQjOnzkvG7

2-0-0 oc purlins: 1-2, except end verticals.

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

1-10-6 1-10-6

Scale = 1:18 6



1-10-6 1-10-6

Plate Offsets (X,Y)-	- [3:0-2-12,0-1·	-8], [4:0-2-8,0-2-12]
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LOADING TCLL	(psf) 25.0	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
		Plate Grip DOL	1.15	TC	0.30	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow		Lumber DOL	1.15	BC	0.17	Vert(CT)	n/a	-	n/a	999		
TCDL	12.0	Rep Stress Incr	YES	WB	0.22	Horz(CT)	-0.00	3	n/a	n/a		
BCLL BCDL	0.0 * 10.0	Code IRC2015/TF	PI2014	Matri	x-P	, ,					Weight: 14 lb	FT = 0%

BRACING-

TOP CHORD

BOT CHORD

### LUMBER-

TOP CHORD 2x4 DF No.2 BOT CHORD 2x4 DF No.2 WEBS 2x4 HF Std

**REACTIONS.** (lb/size) 4=74/1-10-6, 3=74/1-10-6

Max Horz 4=-86(LC 34)

Max Uplift 4=-463(LC 30), 3=-463(LC 33) Max Grav 4=470(LC 37), 3=470(LC 34)

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

TOP CHORD 2-3=-563/589 WEBS 2-4=-613/613

### NOTES

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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) 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=463, 3=463.
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 12) This truss has been designed for a total drag load of 135 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 135.0 plf.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.





EXPIRES: 12-31-2019 February 15,2019



Ply Joh Truss Truss Type Qty 4-Plex SW 58TH K5735092 19-OT0360 BP07 ROOF SPECIAL SUPPORT 1 Job Reference (optional)

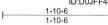
Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015

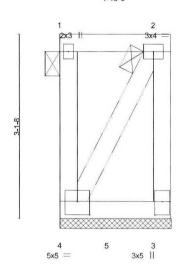
8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:58 2019 Page 1 ID: D0JFF4nFh1jqNrCI5JavfxzoYef-hPPQ14Jqyg4KEdTwd0XuvBZhmUUkpnnbgDQjOnzkvG7

2-0-0 oc purlins: 1-2, except end verticals.

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



Scale = 1:18.8



1-10-6

Plate Offset	ts (X,Y) [3:0	)-2-12,0-1-8], [4:0-2-8,0-	2-12]										
LOADING TCLL (Roof Snow TCDL BCLL	25.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI. TC BC WB	0.30 0.17 0.23	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	<b>GRIP</b> 185/148	
BCDL	10.0	Code IRC2015/T	PI2014	Matr	ix-P						Weight: 14 lb	FT = 0%	

BRACING-

TOP CHORD

**BOT CHORD** 

### LUMBER-

REACTIONS.

DI-1- 08--1- 000

TOP CHORD 2x4 DF No.2 **BOT CHORD** 2x4 DF No.2 2x4 HF Std WEBS

(lb/size) 4=74/1-10-8, 3=74/1-10-8

Max Horz 4=87(LC 33)

Max Uplift 4=-471(LC 30), 3=-471(LC 33) Max Grav 4=477(LC 37), 3=477(LC 34)

10 0 0 40 0 4 01 14 0 0 0 0 0 0

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

TOP CHORD 1-2=-235/250, 2-3=-572/598

WEBS 2-4=-621/621

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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) 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=471, 3=471
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 12) This truss has been designed for a total drag load of 135 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 135.0 plf.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.





EXPIRES: 12-31-2019 February 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MTek® 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 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/THY Quality Criteria, DSB-49 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



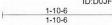
 Job
 Truss
 Truss Type
 Qty
 Ply
 4-Plex SW 58TH
 K5735093

 19-OT0360
 BP08
 ROOF SPECIAL
 5
 1
 Job Reference (optional)

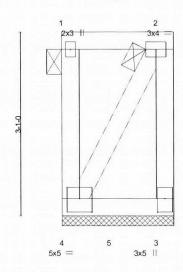
Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:37:59 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-9bzoFQKSj\_CAsn17Bj27RO6sruqzYEClvt9GxDzkvG6



Scale = 1:18.6



1-10-6 1-10-6

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

LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0	SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI. TC BC	0.28 0.17	DEFL. Vert(LL) Vert(CT)	in n/a n/a	(loc) - -	l/defl n/a n/a	L/d 999 999	PLATES MT20	<b>GRIP</b> 185/148
BCLL 0.0 * BCDL 10.0	Rep Stress Incr Code IRC2015/TF	YES PI2014	WB Matri	0.22 ix-P	Horz(CT)	-0.00	3	n/a	n/a	Weight: 14 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 DF No.2 BOT CHORD 2x4 DF No.2 WEBS 2x4 HF Std BRACING-

TOP CHORD

2-0-0 oc purlins: 1-2, except end verticals.

Rigid ceiling directly applied or 6-0-0 oc bracing

REACTIONS.

(lb/size) 4=74/1-10-6, 3=74/1-10-6

Max Horz 4=-86(LC 31)

Max Uplift 4=-463(LC 30), 3=-463(LC 33) Max Grav 4=469(LC 37), 3=469(LC 34)

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

TOP CHORD 2-3=-542/548 WEBS 2-4=-589/589

### NOTES

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) Provide adequate drainage to prevent water ponding.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=463, 3=463.
- 8) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 9) This truss has been designed for a total drag load of 135 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 135.0 plf.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

City of Portland REVIEWED FOR CODE COMPLIANCE APR 0 1 2019

Permit Number



EXPIRES: 12-31-2019 February 15,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Type Qty Ply 4-Plex SW 58TH Truss K5735094 19-OT0360 BP09 ROOF SPECIAL SUPPORT 1 Job Reference (optional)

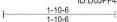
Precision Truss & Lumber, Inc.,

CLACKAMAS OR - 97015

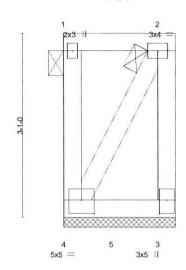
8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:00 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-doWASmL4UIK1UxcJIRaM\_cf1LIACHhJu7XvqTgzkvG5

2-0-0 oc purlins: 1-2, except end verticals.

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



Scale = 1:18.6



1-10-6

LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0	SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI. TC BC	0.30 0.17	DEFL. Vert(LL) Vert(CT)	n/a n/a	(loc) - -	l/defl n/a n/a	L/d 999 999	PLATES MT20	<b>GRIP</b> 185/148
BCLL 0.0 * BCDL 10.0	Rep Stress Incr Code IRC2015/TF	YES PI2014	WB Matri	0.22 x-P	Horz(CT)	-0.00	3	n/a	n/a	Weight: 14 lb	FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

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

2x4 HF Std

REACTIONS. (lb/size) 4=74/1-10-6, 3=74/1-10-6

Max Horz 4=-86(LC 8)

Max Uplift 4=-463(LC 30), 3=-463(LC 33) Max Grav 4=469(LC 37), 3=469(LC 34)

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

TOP CHORD 2-3=-562/588 WEBS 2-4=-612/612

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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) 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 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.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=463, 3=463.
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 12) This truss has been designed for a total drag load of 135 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 135.0 plf.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



EXPIRES: 12-31-2019 February 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 Design valid for use only with Mil eke connectors. This design is based only upon parameters and an a 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 

ANSI/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



 Job
 Truss
 Truss Type
 Qty
 Ply
 4-Plex SW 58TH

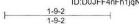
 19-OT0360
 BP10
 ROOF SPECIAL SUPPORT
 1
 1
 1

 Job Reference (optional)

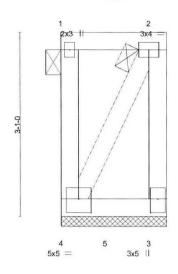
Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015.

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:01 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-5\_4Yf6MjEbSu55BVl85bWpBC2hWf08Y1MBeN?6zkvG4



Scale = 1:18.6



1-9-2 1-9-2

LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	CSI. TC 0.30 BC 0.16	DEFL. Vert(LL) Vert(CT)	in n/a n/a	(loc) - -	l/defl n/a n/a	L/d 999 999	PLATES MT20	<b>GRIP</b> 185/148
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.23 Matrix-P	Horz(CT)	-0.00	3	n/a	n/a	Weight: 14 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 DF No.2 BOT CHORD 2x4 DF No.2 WEBS 2x4 HF Std BRACING-

TOP CHORD BOT CHORD 2-0-0 oc purlins: 1-2, except end verticals.

Rigid ceiling directly applied or 6-0-0 oc bracing

REACTIONS.

(lb/size) 4=69/1-9-2, 3=69/1-9-2

Max Horz 4=-86(LC 35)

Max Uplift 4=-468(LC 30), 3=-468(LC 33) Max Grav 4=473(LC 37), 3=473(LC 34)

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

TOP CHORD 2-3=-571/596 WEBS 2-4=-615/615

### NOTES

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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) 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=468. 3=468.
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 12) This truss has been designed for a total drag load of 135 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-9-2 for 135.0 plf.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



APR U I ZU19

Permit Number





EXPIRES: 12-31-2019 February 15,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 

ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Ply Job Truss Truss Type Qty 4-Plex SW 58TH K5735096 19-OT0360 BP11 ROOF SPECIAL SUPPORT 10 Job Reference (optional)

Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015,

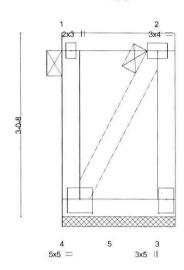
8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:02 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-ZAewtRML?valjFmisscq31kNx5sglbtBbrOwXYzkvG3

2-0-0 oc purlins: 1-2, except end verticals.

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

1-10-6

Scale = 1:18.4



1-10-6

LOADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 25.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	n/a	-	n/a	999	MT20	185/148
Roof Snow=25.0)	Lumber DOL	1.15	BC	0.17	Vert(CT)	n/a	-	n/a	999	SAK WESS	
TCDL 12.0 BCLL 0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	-0.00	3	n/a	n/a		
BCLL 0.0 * BCDL 10.0	Code IRC2015/TI	PI2014	Matri	x-P						Weight: 14 lb	FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 DF No.2 2x4 DF No.2 **BOT CHORD** 2x4 HF Std WEBS

REACTIONS.

(lb/size) 4=74/1-10-6, 3=74/1-10-6 Max Horz 4=-85(LC 8)

Max Uplift 4=-455(LC 30), 3=-455(LC 33) Max Grav 4=461(LC 37), 3=461(LC 34)

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

TOP CHORD 2-3=-552/578 **WEBS** 2-4=-602/602

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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) 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=455, 3=455
- 11) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 12) This truss has been designed for a total drag load of 135 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-6 for 135.0 plf.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord

City of Portland APR 01 2019



EXPIRES: 12-31-2019 February 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MILTAT3 rev. 10/03/2015 REFORE U.S.E. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not Design Valid to use only with mit new controlerors. 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

\*\*ANSI/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



4-Plex SW 58TH .loh Truss Truss Type Qty Plv Cond1 K5735097 19-OT0360 ROOF SPECIAL GIRDER 2 Job Reference (optional) CLACKAMAS, OR - 97015, 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:06 2019 Page 1 Precision Truss & Lumber, Inc., ID:2IvLiXSXjeDczATQzwQnUDyEx4Y-SyuRjpPr385BCs4T5hgmDtu5Pi9IhlemWTM8gJzkvG? 12-9-6 16-10-3 4-0-13

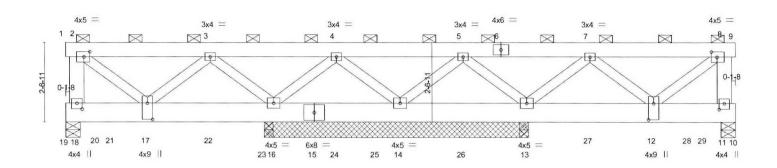
Scale = 1:35.8

[MCT]

Lity of Portland

APR 0 1 2019

Permit Number



2-7-6	6-4-8	678-3	10-7-8	10,9-0	14-9-13	14-10-8	18-10-10	γ :	21-6-0
2-7-6	3-9-2	0-3-11	3-11-5	0-1-8	4-0-13	0-0-11	4-0-2		2-7-6
Plate Offsets (X,Y) [2:	0-2-4,0-2-0], [8:0-2-4,0-2-	0], [11:0-2-4,0-	2-0], [12:0-6-4,0-2-0]	, [17:0-6-4,0-2-	0], [18:0-2-4,0-2	-0]			
OADING (psf)  CLL 25.0  Roof Snow=25.0)  CDL 12.0  3CLL 0.0 *  3CDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TP	2-0-0 1.15 1.15 NO PI2014	CSI. TC 0.13 BC 0.39 WB 0.68 Matrix-R	DEFL Vert(I Vert( Horz(	L) -0.01 12- CT) -0.03 12-		L/d 240 180 n/a	PLATES MT20 Weight: 284 lb	GRIP 185/148 FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

2-0-0 oc purlins (6-0-0 max.): 1-9, except end verticals.

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

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E

BOT CHORD 2x8 DF SS

WEBS 2x4 HF Std \*Except\*

2-18,8-11: 2x6 DF 1800F 1.6E

**REACTIONS.** All bearings 8-6-0 except (jt=length) 18=0-5-8, 11=0-5-8.

(lb) - Max Horz 18=184(LC 22)

Max Uplift All uplift 100 lb or less at joint(s) except 18=-283(LC 4), 11=-287(LC 5), 16=-500(LC 5), 14=-324(LC

5), 13=-515(LC 4)

Max Grav All reactions 250 lb or less at joint(s) except 18=3669(LC 16), 11=3818(LC 15), 16=6870(LC 15),

16=6697(LC 1), 14=4369(LC 15), 13=7174(LC 16), 13=6989(LC 1)

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

TOP CHORD 2-18=-2066/177, 2-3=-2438/162, 3-4=-648/1063, 4-5=-542/804, 5-7=-622/1061,

7-8=-2509/175, 8-11=-2134/176

BOT CHORD 17-18=-307/536, 16-17=-502/1394, 14-16=-2025/1785, 13-14=-2058/1813, 12-13=-324/1299, 11-12=-486/698

2-17=-166/2803, 3-17=-301/2146, 3-16=-2453/269, 4-16=-1149/927, 4-14=-1022/992, 5-14=-1011/987, 5-13=-1147/916, 7-13=-2523/257, 7-12=-288/2220, 8-12=-167/2903

NOTES-

**WEBS** 

1) 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: 2x8 - 2 rows staggered at 0-8-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

3) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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

4) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00

5) Provide adequate drainage to prevent water ponding.

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

7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 283 lb uplift at joint 18, 287 lb uplift at joint 11, 500 lb uplift at joint 16, 324 lb uplift at joint 14 and 515 lb uplift at joint 13.

9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

10) This truss has been designed for a total seismic drag load of 312 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to Continues of dragdgeds along bottom chord from 0-0-0 to 1-0-0, 6-4-8 to 14-10-8, 20-6-0 to 21-6-0 for 638.9 plf.

STERED PROFESSION 89200PE

SOURCE OREGON

MERRILL BAT

EXPIRES: 12-31-2019 February 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	
19-OT0360	CO1-DT-Cond1	ROOF SPECIAL GIRDER	1	2	Job Reference (optional)	K5735097

Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MTek Industries, Inc. Fri Feb 15 11:38:07 2019 Page 2 ID:2lvLiXSXjeDczATQzwQnUDyEx4Y-w8Rpw9QTqRD2p0fffPC?m4RG86VXQluwk75hDmzkvG\_

# NOTES-

11) Girder carries tie-in span(s): 26-9-11 from 0-0-0 to 21-6-0: 23-0-11 from 0-0-0 to 10-0-0: 25-0-11 from 10-0-0 to 21-6-0 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

# LOAD CASE(S) Standard

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

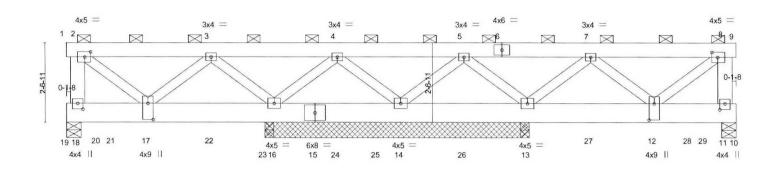
Vert: 1-2=-74, 2-8=-74, 8-9=-74, 19-25=-1076(F=-484, B=-572), 10-25=-1123(F=-531, B=-572)





Job Truss Truss Type Qty Ply 4-Plex SW 58TH Cond2 K5735097 19-OT0360 ROOF SPECIAL GIRDER 2 Job Reference (optional) CLACKAMAS, OR - 97015. 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:07 2019 Page 1 Precision Truss & Lumber, Inc., ID:2IvLiXSXieDczATQzwQnUDyEx4Y-w8Rpw9QTaRD2p0fffPC?m4RG86VXQIuwk75hDmzkvG 16-10-3 21-6-0 4-7-13 4-0-13 4-0-13 4-0-13

Scale = 1:35.8



2-7-6	6-4-8	678-3	10-7-8	10-9-0	14-9-13	14-10-8	18-10-10	, 2	1-6-0
2-7-6	3-9-2	0-3-11	3-11-5	0-1-8	4-0-13	0-0-11	4-0-2		2-7-6
Plate Offsets (X,Y)	[2:0-2-4,0-2-0], [8:0-2-4,0-	2-0], [11:0-2-4,0-	2-0], [12:0-6-4,0-2-0], [	17:0-6-4,0-2-0],	[18:0-2-4,0-2-0]				
LOADING (psf)           TCLL 25.0           (Roof Snow=25.0)           TCDL 12.0           BCLL 0.0           BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/1	2-0-0 1.15 1.15 NO FPI2014	CSI. TC 0.13 BC 0.39 WB 0.68 Matrix-R	DEFL. Vert(LL) Vert(CT) Horz(CT	in (loc) -0.01 12-13 -0.03 12-13 ) 0.00 11	>999	L/d 240 180 n/a	PLATES MT20 Weight: 284 lb	GRIP 185/148 FT = 0%

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E

BOT CHORD 2x8 DF SS

WEBS 2x4 HF Std \*Except\*

2-18,8-11: 2x6 DF 1800F 1.6E

BRACING-TOP CHORD

TOP CHORD 2-0-0 oc BOT CHORD Rigid ceil

2-0-0 oc purlins (6-0-0 max.): 1-9, except end verticals. Rigid ceiling directly applied or 6-0-0 oc bracing.

[MCT]

**REACTIONS.** All bearings 8-6-0 except (it=length) 18=0-5-8, 11=0-5-8.

(lb) - Max Horz 18=180(LC 22)

Max Uplift All uplift 100 lb or less at joint(s) except 18=-283(LC 4), 11=-287(LC 5), 16=-500(LC 5), 14=-324(LC

5), 13=-515(LC 4)

Max Grav All reactions 250 lb or less at joint(s) except 18=3669(LC 16), 11=3818(LC 15), 16=6870(LC 15), 16=6897(LC 1), 14=4369(LC 15), 13=7174(LC 16), 13=6989(LC 1)

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

TOP CHORD 2-18=-2057/177, 2-3=-2426/162, 3-4=-631/1050, 4-5=-528/789, 5-7=-605/1048,

7-8=-2498/175, 8-11=-2125/176

BOT CHORD 17-18=-299/529, 16-17=-485/1381, 14-16=-1983/1743, 13-14=-2015/1771,

12-13=-311/1289, 11-12=-473/685

2-17=-166/2790, 3-17=-282/2132, 3-16=-2439/250, 4-16=-1126/905, 4-14=-1000/969,

 $5\text{-}14\text{-}988/965, \, 5\text{-}13\text{-}-1125/894, \, 7\text{-}13\text{-}-2508/238, \, 7\text{-}12\text{-}-269/2206, \, 8\text{-}12\text{-}-167/2890}$ 

# NOTES-

WEBS

1) 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: 2x8 - 2 rows staggered at 0-8-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

- 3) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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
- 4) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 283 lb uplift at joint 18, 287 lb uplift at joint 11, 500 lb uplift at joint 16, 324 lb uplift at joint 14 and 515 lb uplift at joint 13.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 10) This truss has been designed for a total seismic drag load of 305 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to Continues dragdgeds along bottom chord from 0-0-0 to 1-0-0, 6-4-8 to 14-10-8, 20-6-0 to 21-6-0 for 624.5 plf.

City of Portland
REVIEWED FOR GODE
COMPLIANCE

APR 0 1 2019

Permit Number

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	
19-OT0360	CO1-DT-Cond2	ROOF SPECIAL GIRDER	1	2	Job Reference (optional)	K5735097

CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:07 2019 Page 2 ID:2IvLiXSXjeDczATQzwQnUDyEx4Y-w8Rpw9QTqRD2p0fffPC?m4RG86VXQluwk75hDmzkvG\_

#### NOTES-

11) Girder carries tie-in span(s): 26-9-11 from 0-0-0 to 21-6-0; 23-0-11 from 0-0-0 to 10-0-0; 25-0-11 from 10-0-0 to 21-6-0
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

#### LOAD CASE(S) Standard

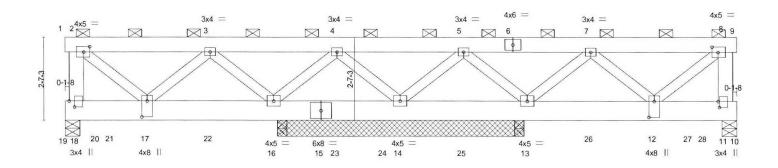
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-2=-74, 2-8=-74, 8-9=-74, 19-25=-1076(F=-484, B=-572), 10-25=-1123(F=-531, B=-572)

Job Truss Type Qty Ply 4-Plex SW 58TH Truss CO2-DT. Cond1 K5735098 19-OT0360 ROOF SPECIAL GIRDER 2 Job Reference (optional) CLACKAMAS, OR - 97015. 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:13 2019 Page 1 Precision Truss & Lumber. Inc.. ID:2IvLiXSXjeDczATQzwQnUDyEx4Y-Ip5BCVEQHzBXx6p?gIP0LhlxXZrqT0o73Y0PQzkvFu 18-4-14 20-11-10 2-6-12 3-11-8 3-11-8 3-11-8 2-6-12

Scale = 1:34.8

[MCT]



4-6-8		7-12	8-6-1 1-10-5	10-5-15 1-11-14	12-5-9	14-4-2		6-5-2 2-1-0	20-11-10 4-6-8	
	0-2-4,0-2-0], [8:0-2-4,0-2								400	
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TI	2-0-0 1.15 1.15 NO PI2014	CSI. TC BC WB Matri	0.11 0.33 0.58 x-R	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.01 12-13 -0.02 12-13 0.00 14	I/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 278 lb	GRIP 185/148 FT = 0%

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E

**BOT CHORD** 2x8 DF SS

2x4 HF Std \*Except\*

2-18,8-11: 2x6 DF 1800F 1.6E

BRACING-

TOP CHORD **BOT CHORD**  2-0-0 oc purlins (6-0-0 max.): 1-9, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

6-0-0 oc bracing: 14-16,13-14.

REACTIONS. All bearings 7-8-6 except (jt=length) 18=0-5-8, 11=0-5-8.

(lb) - Max Horz 18=-399(LC 23)

Max Uplift All uplift 100 lb or less at joint(s) except 18=-828(LC 20), 11=-865(LC 21), 16=-584(LC 28),

14=-292(LC 28), 13=-572(LC 27)

Max Grav All reactions 250 lb or less at joint(s) except 18=3632(LC 41), 11=3801(LC 38), 16=6063(LC 39),

16=5823(LC 1), 14=3803(LC 39), 13=6342(LC 40), 13=6110(LC 1)

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

TOP CHORD 2-18=-2082/679, 2-3=-2349/836, 3-4=-862/1102, 4-5=-712/861, 5-7=-772/1019,

7-8=-2470/812. 8-11=-2175/708

**BOT CHORD** 17-18=-341/460, 16-17=-938/1410, 14-16=-2338/2101, 13-14=-2108/1868,

12-13=-661/1233, 11-12=-640/748

2-17=-879/2822, 3-17=-868/2204, 3-16=-2387/1019, 4-16=-1090/1077, 4-14=-961/1060.

5-14=-970/1067, 5-13=-1106/1085, 7-13=-2486/1061, 7-12=-911/2307, 8-12=-919/2954

### NOTES-

WEBS

- 1) 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: 2x8 2 rows staggered at 0-9-0 oc.
- Webs connected as follows: 2x4 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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
- 4) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 828 lb uplift at joint 18, 865 lb uplift at joint 11, 584 lb uplift at joint 16, 292 lb uplift at joint 14 and 572 lb uplift at joint 13.
- This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 10) This truss has been designed for a total wind drag load of 312 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to Continguist drags on the salong bottom chord from 0-0-0 to 1-0-0, 6-7-12 to 14-4-12, 19-11-10 to 20-11-10 for 671.0 plf.

City of Portland APR 01 2019 STERED PROFESSIONEES a 8

> EXPIRES: 12-31-2019 February 15,2019

MiTek 250 Klug Circle Corona, CA 92880

Marning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 property incorporate this design into the overall building designer must verify the applicability of design parameters and property 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, rection and bracing of trusses and truss systems, see 

ANSI/THI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	
19-OT0360	CO2-DT-Cond1	ROOF SPECIAL GIRDER	1	2	Job Reference (optional)	K5735098

CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:14 2019 Page 2 ID:2lvLiXSXjeDczATQzwQnUDyEx4Y-DUNTOYWsBb5295h?ZNqeYZEThxv4ZwGyLjlZyszkvFt

#### NOTES-

11) Girder carries tie-in span(s): 21-3-0 from 0-0-0 to 20-11-10; 23-1-0 from 0-0-0 to 10-0-0; 25-1-0 from 10-0-0 to 20-11-10

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

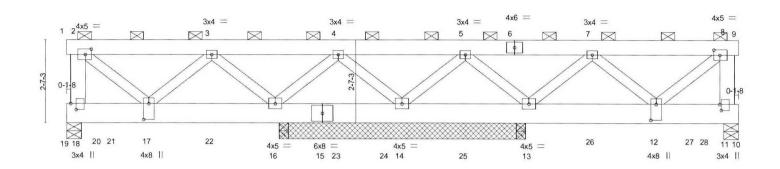
LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-2=-74, 2-8=-74, 8-9=-74, 19-24=-954(F=-489, B=-446), 10-24=-1001(F=-536, B=-446)

Ply Job Truss Truss Type Qty 4-Plex SW 58TH CO2-DT-Cond2 K5735098 19-OT0360 ROOF SPECIAL GIRDER 2 Job Reference (optional) CLACKAMAS, OR - 97015. Precision Truss & Lumber, Inc. 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:14 2019 Page 1 ID:2IvLiXSXjeDczATQzwQnUDyEx4Y-DUNTOYWsBb5295h?ZNqeYZEThxv4ZwGyLjIZyszkvFt 18-4-14 20-11-10 2-6-12 3-11-8 3-11-8 3-11-8 2-6-12

Scale = 1:34.8

[MCT]



4-6-8	6-7-12	8-6-1	10-5-15	12-5-9	14-4-2	16-5-2	20-11-10
4-6-8	2-1-4	1-10-5	1-11-14	1-11-10	1-10-9	2-1-0	4-6-8
Plate Offsets (X,Y) [2:0-2-4,0-2-0], [8:0	)-2-4,0-2-0], [11:0-2-4	0-0-8], [12:0-6	5-0,0-2-0], [17:	0-6-0,0-2-0], [1	8:0-2-4,0-2-0]		
COADING (psf)	DOL 1.15 DOL 1.15	ВС	0.11 0.33 0.58	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.01 12-13 -0.02 12-13 0.00 14	l/defl L/d >999 240 >999 180 n/a n/a	PLATES GRIP MT20 185/148 Weight: 278 lb FT = 0%

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E

2x8 DF SS **BOT CHORD** 

**WEBS** 

2x4 HF Std \*Except\* 2-18,8-11: 2x6 DF 1800F 1.6E **BRACING-**

TOP CHORD BOT CHORD 2-0-0 oc purlins (6-0-0 max.): 1-9, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

6-0-0 oc bracing: 14-16,13-14.

REACTIONS. All bearings 7-8-6 except (jt=length) 18=0-5-8, 11=0-5-8.

(lb) - Max Horz 18=-392(LC 23)

Max Uplift All uplift 100 lb or less at joint(s) except 18=-816(LC 20), 11=-851(LC 21), 16=-580(LC 28),

14=-291(LC 28), 13=-570(LC 27)

Max Grav All reactions 250 lb or less at joint(s) except 18=3622(LC 41), 11=3791(LC 38), 16=6061(LC 39),

16=5823(LC 1), 14=3803(LC 39), 13=6340(LC 40), 13=6110(LC 1)

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

TOP CHORD 2-18=-2074/668, 2-3=-2339/820, 3-4=-844/1084, 4-5=-697/846, 5-7=-755/1003,

7-8=-2459/797, 8-11=-2166/695

**BOT CHORD** 17-18=-335/455, 16-17=-919/1396, 14-16=-2292/2054, 13-14=-2067/1826,

12-13=-649/1224, 11-12=-627/735

2-17=-863/2810, 3-17=-850/2190, 3-16=-2373/1001, 4-16=-1067/1055, 4-14=-939/1038,

5-14=-947/1045, 5-13=-1083/1063, 7-13=-2472/1041, 7-12=-893/2293, 8-12=-902/2941

### NOTES-

WEBS

1) 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: 2x8 - 2 rows staggered at 0-9-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ff; 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
- 4) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00

5) Provide adequate drainage to prevent water ponding.

- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 816 lb uplift at joint 18, 851 lb uplift at joint 11, 580 lb uplift at joint 16, 291 lb uplift at joint 14 and 570 lb uplift at joint 13.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 10) This truss has been designed for a total wind drag load of 305 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to Continued dragdgeds along bottom chord from 0-0-0 to 1-0-0, 6-7-12 to 14-4-12, 19-11-10 to 20-11-10 for 656.0 plf.



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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ANSI/TPIT Quality Criteria, DSB-99 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	
19-OT0360	CO2-DT-Cond2	ROOF SPECIAL GIRDER	1	2	Job Reference (optional)	K5735098

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:15 2019 Page 2 ID:2IvLiXSXjeDczATQzwQnUDyEx4Y-hgwrcuWVxvDvnFGC74Lt5mmeRLFJINW5aN16UlzkvFs

#### NOTES-

11) Girder carries tie-in span(s): 21-3-0 from 0-0-0 to 20-11-10; 23-1-0 from 0-0-0 to 10-0-0; 25-1-0 from 10-0-0 to 20-11-10

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

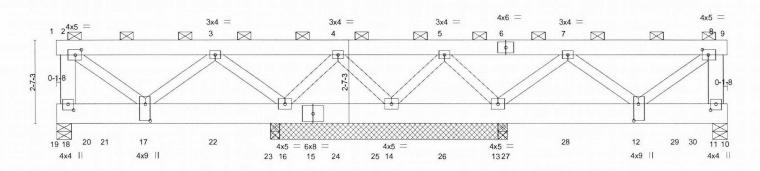
#### LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)

Vert: 1-2=-74, 2-8=-74, 8-9=-74, 19-24=-954(F=-489, B=-446), 10-24=-1001(F=-536, B=-446)

Job Truss Truss Type Qty Ply 4-Plex SW 58TH CO3-DT-Cond1 K5735099 19-OT0360 ROOF SPECIAL GIRDER Job Reference (optional) Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015. 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:19 2019 Page 1 ID:2IvLiXSXjeDczATQzwQnUDyEx4Y-aSAMRFa??7jLFsZzMwPpFcxJxybAE8JhV\_?Kd3zkvFo 4-11-6 12-1-2 15-11-3 20-10-8 0-7-0 8-9-6 20-3-8

Scale = 1:34.7



2-9-3	6-8-0	7,-1-8,	10-4-4	10-5-4	13-9-0	14-0-8	3	18-1-5	, 20-	10-8
2-9-3	3-10-13	0-5-8	3-2-12	0-1-0	3-3-12	0-3-8		4-0-13	2-	9-3
Plate Offsets (X,Y) [2:0	)-2-4,0-2-0], [8:0-2-4,0-2-0],	[11:0-2-4,0-2-0	], [12:0-6-4,0-1-1	[17:0-6-4	,0-1-12], [18:0	-2-4,0-2-0]				
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	Plate Grip DOL	2-0-0 1.15 1.15 NO 014	CSI. TC 0.14 BC 0.40 WB 0.78 Matrix-R	Ve	ert(LL) -0.0	in (loc) 2 12-13 3 12-13 0 11	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 277 lb	GRIP 185/148 FT = 0%

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E

BOT CHORD 2x8 DF SS

WEBS 2x4 HF Std \*Except\*

2-18,8-11: 2x6 DF 1800F 1.6E

BRACING-

TOP CHORD BOT CHORD 2-0-0 oc purlins (6-0-0 max.): 1-9, except end verticals. Rigid ceiling directly applied or 6-0-0 oc bracing.

[MCT]

**REACTIONS.** All bearings 7-4-8 except (jt=length) 18=0-5-8, 11=0-5-8.

(lb) - Max Horz 18=221(LC 22)

Max Uplift All uplift 100 lb or less at joint(s) except 18=-301(LC 4), 11=-306(LC 5), 16=-505(LC 5), 14=-222(LC

5), 13=-521(LC 4)

Max Grav All reactions 250 lb or less at joint(s) except 18=3911(LC 16), 11=4072(LC 15), 16=7041(LC 15),

16=6854(LC 1), 14=2805(LC 15), 13=7347(LC 16), 13=7148(LC 1)

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

TOP CHORD 2-18=-2252/193, 2-3=-2701/185, 3-4=-563/1145, 4-5=-404/835, 5-7=-508/1124,

7-8=-2808/199, 8-11=-2336/194

BOT CHORD 17-18=-321/570, 16-17=-500/1505, 14-16=-1944/1576, 13-14=-1876/1502, 12-13=-301/1401, 11-12=-535/763

2-17=-188/3138, 3-17=-230/2401, 3-16=-2707/243, 4-16=-1132/921, 4-14=-988/990,

5-14=-984/996, 5-13=-1140/915, 7-13=-2796/240, 7-12=-225/2495, 8-12=-190/3263

# WEBS

1) 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: 2x8 - 2 rows staggered at 0-8-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

- 3) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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
- 4) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00

5) Provide adequate drainage to prevent water ponding.

- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 301 lb uplift at joint 18, 306 lb uplift at joint 11, 505 lb uplift at joint 16, 222 lb uplift at joint 14 and 521 lb uplift at joint 13.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 10) This truss has been designed for a total seismic drag load of 312 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to Continused dragage along bottom chord from 0-0-0 to 1-0-0, 6-8-0 to 14-0-12, 19-10-8 to 20-10-8 for 693.2 plf.

EXPIRES: <u>12-31-2019</u> February 15,2019



Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	W5705000
19-OT0360	CO3-DT-Cond1	ROOF SPECIAL GIRDER	1	2	Job Reference (optional)	K5735099

CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:19 2019 Page 2 ID:2IvLiXSXjeDczATQzwQnUDyEx4Y-aSAMRFa??7jLFsZzMwPpFcxJxybAE8JhV\_?Kd3zkvFo

#### NÓTES-

11) Girder carries tie-in span(s); 26-9-15 from 0-0-0 to 20-10-8; 23-1-7 from 0-0-0 to 10-0-0; 25-1-7 from 10-0-0 to 20-10-8 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

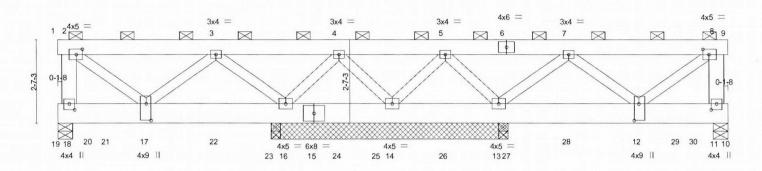
LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-2=-74, 2-8=-74, 8-9=-74, 19-25=-1078(F=-486, B=-573), 10-25=-1125(F=-533, B=-573)

Job Truss Truss Type Qty Ply 4-Plex SW 58TH CO3-DT-Cond2 K5735099 19-OT0360 ROOF SPECIAL GIRDER 2 Job Reference (optional) CLACKAMAS, OR - 97015, Precision Truss & Lumber, Inc. 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:20 2019 Page 1 ID:2IvLiXSXjeDczATQzwQnUDyEx4Y-2ekkfbadmRsCt089wew2oqUUgMxPzbZqkelt9WzkvFn 20-3-8 15-11-3 3-10-1

Scale = 1:34.7

ГМСТІ



2-9-3	6-8-0 7-1-	8 10-4-4	10-5-4 13	3-9-0 14-0	1-18	18-1-5	, 20-	10-8
2-9-3	3-10-13 0-5	8 3-2-12	0-1-0 3-	3-12 0-3	-8	4-0-13	2-	9-3
Plate Offsets (X,Y) [2:0	)-2-4,0-2-0], [8:0-2-4,0-2-0], [11:0-2-4	,0-2-0], [12:0-6-4,0-1-1	2], [17:0-6-4,0-1-1	2], [18:0-2-4,0-2-	0]			
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IRC2015/TPI2014	CSI. TC 0.14 BC 0.40 WB 0.78 Matrix-R	DEFL. Vert(LL) Vert(CT Horz(CT	-0.03 12-13	>999	L/d 240 180 n/a	PLATES MT20 Weight: 277 lb	<b>GRIP</b> 185/148 FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E

BOT CHORD 2x8 DF SS

WEBS 2x4 HF Std \*Except\*

2-18,8-11: 2x6 DF 1800F 1.6E

**REACTIONS.** All bearings 7-4-8 except (jt=length) 18=0-5-8, 11=0-5-8.

(lb) - Max Horz 18=216(LC 22)

Max Uplift All uplift 100 lb or less at joint(s) except 18=-301(LC 4), 11=-306(LC 5), 16=-505(LC 5), 14=-222(LC

5), 13=-521(LC 4)

Max Grav All reactions 250 lb or less at joint(s) except 18=3911(LC 16), 11=4072(LC 15), 16=7041(LC 15),

16=6854(LC 1), 14=2805(LC 15), 13=7347(LC 16), 13=7148(LC 1)

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

TOP CHORD 2-18=-2244/193, 2-3=-2690/185, 3-4=-546/1132, 4-5=-391/826, 5-7=-492/1113,

7-8=-2797/199, 8-11=-2327/194 17-18=-312/563, 16-17=-482/149

BOT CHORD 17-18=-312/563, 16-17=-482/1492, 14-16=-1906/1538, 13-14=-1839/1466,

12-13=-287/1391, 11-12=-521/749

WEBS 2-17=-188/3125, 3-17=-211/2387, 3-16=-2693/243, 4-16=-1109/898, 4-14=-966/968,

 $5\text{-}14\text{-}962/973, \, 5\text{-}13\text{=-}1117/892, \, 7\text{-}13\text{=-}2782/240, \, 7\text{-}12\text{=-}206/2481, \, 8\text{-}12\text{=-}190/3250}$ 

#### NOTES-

1) 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: 2x8 - 2 rows staggered at 0-8-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

3) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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

4) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00

5) Provide adequate drainage to prevent water ponding.

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

7) \*This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 301 lb uplift at joint 18, 306 lb uplift at joint 11, 505 lb uplift at joint 16, 222 lb uplift at joint 14 and 521 lb uplift at joint 13.

9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

10) This truss has been designed for a total seismic drag load of 305 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to Continuities dragdgeds along bottom chord from 0-0-0 to 1-0-0, 6-8-0 to 14-0-12, 19-10-8 to 20-10-8 for 677.6 plf.



2-0-0 oc purlins (6-0-0 max.): 1-9, except end verticals.

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



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	
19-OT0360	CO3-DT-Cond2	ROOF SPECIAL GIRDER	1	2	Job Reference (optional)	K5735099

CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:20 2019 Page 2 ID:2IvLiXSXjeDczATQzwQnUDyEx4Y-2ekkfbadmRsCt089wew2oqUUgMxPzbZqkelt9WzkvFn

#### NOTES-

- 11) Girder carries tie-in span(s): 26-9-15 from 0-0-0 to 20-10-8; 23-1-7 from 0-0-0 to 10-0-0; 25-1-7 from 10-0-0 to 20-10-8
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

#### LOAD CASE(S) Standard

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

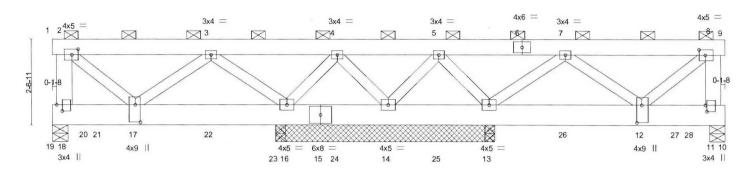
Vert: 1-2=-74, 2-8=-74, 8-9=-74, 19-25=-1078(F=-486, B=-573), 10-25=-1125(F=-533, B=-573)



Joh Truss Truss Type Qty Ply 4-Plex SW 58TH Cond1 K5735100 19-OT0360 FLAT GIRDER 2 Job Reference (optional) CLACKAMAS, OR - 97015. Precision Truss & Lumber, Inc. 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:24 2019 Page 1 ID:2IvLiXSXjeDczATQzwQnUDyEx4Y-wPzFUzd8qgMdMdSw9T?\_ygeBwzIAvP7QfGj5IHzkvFj 11-6-3 15-3-7 20-0-4 4-8-13

Scale = 1:33.2

[MCT]



2-5-10	6-8-0	7 <sub>r</sub> 0-Q	9-11-2	10-0-2	13-0-4	13,2-4		17-6-10	1	20-0-4
2-5-10	4-2-6	0-4-0	2-11-2	0-1-0	3-0-2	0-2-0		4-4-6		2-5-10
Plate Offsets (X,Y) [2:	0-2-4,0-2-0], [8:0-2-4,0-2-0], [11	:0-2-4,0-0-8],	[12:0-6-4,0-1-1	2], [17:0-6-4,0	)-1-12], [18:	0-2-4,0-2-0]				
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.11 Lumber DOL 1.11 Rep Stress Incr NC Code IRC2015/TPI2014	5	CSI. TC 0.13 BC 0.41 WB 0.81 Matrix-R	Ver	t(LL) -0 t(CT) -0	in (loc) .02 16-17 .04 16-17 .00 11	I/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 267 lb	<b>GRIP</b> 185/148 FT = 0%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E

BOT CHORD 2x8 DF SS

WERS

2x4 HF Std \*Except\*

2-18,8-11: 2x6 DF 1800F 1.6E

REACTIONS. All bearings 6-6-4 except (jt=length) 18=0-5-8, 11=0-5-8.

(lb) - Max Horz 18=98(LC 22)

Max Uplift All uplift 100 lb or less at joint(s) except 18=-307(LC 4), 11=-291(LC 5), 16=-510(LC 5), 14=-180(LC

5), 13=-486(LC 4)

Max Grav All reactions 250 lb or less at joint(s) except 18=4010(LC 16), 11=3843(LC 15), 16=7194(LC 15),

16=6990(LC 1), 14=2117(LC 15), 13=6889(LC 16), 13=6704(LC 1)

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

TOP CHORD 2-18=-2486/208, 2-3=-2716/187, 3-4=-505/984, 4-5=-363/724, 5-7=-515/976, 7-8=-2625/186, 8-11=-2404/196

BOT CHORD 18-19=-260/260, 17-18=-486/692, 16-17=-286/1426, 14-16=-1767/1462,

13-14=-1897/1596, 12-13=-197/1313, 11-12=-587/785, 10-11=-260/260

2-17=-202/3324, 3-17=-278/2325, 3-16=-2627/254, 4-16=-1079/890, 4-14=-957/948,

5-14=-951/935, 5-13=-1061/883, 7-13=-2557/272, 7-12=-299/2250, 8-12=-187/3186

#### NOTES-

**WEBS** 

 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: 2x8 - 2 rows staggered at 0-8-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

- 3) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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
- 4) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 307 lb uplift at joint 18, 291 lb uplift at joint 11, 510 lb uplift at joint 16, 180 lb uplift at joint 14 and 486 lb uplift at joint 13.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 10) This truss has been designed for a total seismic drag load of 312 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to Continues dragdgeds along bottom chord from 0-0-0 to 1-0-0, 6-8-0 to 13-2-4, 19-0-4 to 20-0-4 for 733.1 plf.

2-0-0 oc purlins (6-0-0 max.): 1-9, except end verticals.

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

OREGON WERRILL BAT

EXPIRES: 12-31-2019 February 15,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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/TH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	
19-OT0360	<sub>CO4-DT-</sub> Cond1	FLAT GIRDER	1			K5735100
				2	Job Reference (optional)	

CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MTek Industries, Inc. Fri Feb 15 11:38:25 2019 Page 2 ID:2IvLiXSXjeDczATQzwQnUDyEx4Y-OcXdiJembzUU\_n17iBWEVtBLgNeOesNZtwSeqizkvFi

#### NOTES-

- 11) Girder carries tie-in span(s): 26-7-15 from 0-0-0 to 20-0-4; 25-1-11 from 0-0-0 to 10-0-0; 23-1-11 from 10-0-0 to 20-0-4
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

#### LOAD CASE(S) Standard

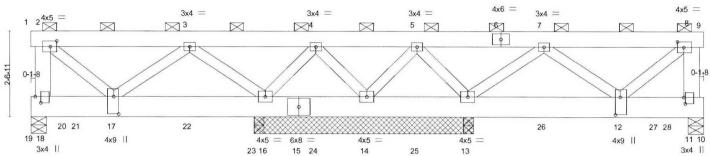
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-2=-74, 2-8=-74, 8-9=-74, 14-19=-1122(F=-533, B=-569), 10-14=-1075(F=-486, B=-569)



Job Truss Truss Type Qty Plv 4-Plex SW 58TH Cond2 K5735100 19-OT0360 FLAT GIRDER 2 Job Reference (optional) CLACKAMAS, OR - 97015. Precision Truss & Lumber, Inc., 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:25 2019 Page 1 ID:2IvLiXSXjeDczATQzwQnUDyEx4Y-OcXdiJembzUU\_n17iBWEVtBLgNeOesNZtwSeqjzkvFi 20-0-4 4-8-13 3-9-4 4-8-13

Scale = 1:33.2



2-5-10	6-8-0	7 <sub>r</sub> 0-Q	9-11-2	10-0-2	13-0-4	13 <sub>1</sub> 2 <sub>1</sub> 4		17-6-10	1	20-0-4
2-5-10	4-2-6	0-4-0	2-11-2	0-1-0	3-0-2	0-2-0		4-4-6		2-5-10
Plate Offsets (X,Y) [2:0	-2-4,0-2-0], [8:0-2-4,0-2-0], [1	1:0-2-4,0-0-8],	[12:0-6-4,0-1-1	[17:0-6-4	,0-1-12], [1	8:0-2-4,0-2-0]				
LOADING (psf) TCLL 25.0 Roof Snow=25.0) TCDL 12.0 BCLL 0.0 * BCDL 10.0	Lumber DOL 1.	15 15 IO	CSI. TC 0.13 BC 0.41 WB 0.81 Matrix-R	Ve Ve		in (loc) -0.02 16-17 -0.04 16-17 0.00 11	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 267 lb	<b>GRIP</b> 185/148 FT = 0%

**BRACING-**

TOP CHORD

**BOT CHORD** 

2-0-0 oc purlins (6-0-0 max.): 1-9, except end verticals.

City of Portland

APR 01 2019

Permit Number

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

LUMBER-

2x6 DF 1800F 1.6E TOP CHORD

2x8 DF SS **BOT CHORD** 

2x4 HF Std \*Except\* **WEBS** 

2-18,8-11: 2x6 DF 1800F 1.6E

REACTIONS. All bearings 6-6-4 except (jt=length) 18=0-5-8, 11=0-5-8.

(lb) - Max Horz 18=96(LC 22)

Max Uplift All uplift 100 lb or less at joint(s) except 18=-307(LC 4), 11=-291(LC 5), 16=-510(LC 5), 14=-180(LC

5), 13=-486(LC 4)

All reactions 250 lb or less at joint(s) except 18=4010(LC 16), 11=3843(LC 15), 16=7194(LC 15),

16=6990(LC 1), 14=2117(LC 15), 13=6889(LC 16), 13=6704(LC 1)

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

TOP CHORD 2-18=-2478/208, 2-3=-2705/187, 3-4=-490/973, 4-5=-352/716, 5-7=-500/965,

7-8=-2614/186, 8-11=-2395/196

**BOT CHORD** 18-19=-254/254, 17-18=-474/679, 16-17=-273/1416, 14-16=-1731/1426, 13-14=-1858/1558, 12-13=-186/1304, 11-12=-572/770, 10-11=-254/254

WEBS 2-17=-202/3324, 3-17=-259/2310, 3-16=-2612/234, 4-16=-1058/868, 4-14=-936/927,

5-14=-930/913, 5-13=-1039/861, 7-13=-2542/252, 7-12=-280/2236, 8-12=-187/3180

#### NOTES-

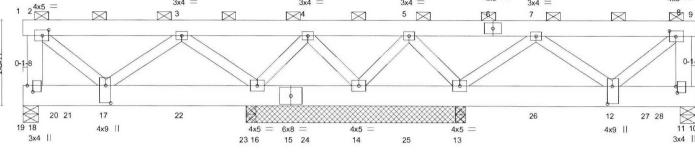
- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc
  - Bottom chords connected as follows: 2x8 2 rows staggered at 0-8-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to
- ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated. 3) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; 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 4) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \*This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 307 lb uplift at joint 18, 291 lb uplift at joint 11, 510 lb uplift at joint 16, 180 lb uplift at joint 14 and 486 lb uplift at joint 13.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 10) This truss has been designed for a total seismic drag load of 305 plf. Lumber DOL=(1.60) Plate grip DOL=(1.60) Connect truss to Continues at dragage along bottom chord from 0-0-0 to 1-0-0, 6-8-0 to 13-2-4, 19-0-4 to 20-0-4 for 716.6 plf.



M. WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 russ systems, see

ANSITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



[MCT]

Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	
19-OT0360	CO4-DT-Cond2	FLAT GIRDER	1	2	Job Reference (optional)	K5735100
Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015,				8.240 s D	lec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:25 2019 F	Page 2

 $ID: 2lvLiXSX jeDczATQzwQnUDyEx4Y-OcXdiJembzUU\_n17 iBWEVtBLgNeOesNZtwSeqjzkvFi$ 

NOTES-

11) Girder carries tie-in span(s): 26-7-15 from 0-0-0 to 20-0-4; 25-1-11 from 0-0-0 to 10-0-0; 23-1-11 from 10-0-0 to 20-0-4

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

LOAD CASE(S) Standard

Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)

Vert: 1-2=-74, 2-8=-74, 8-9=-74, 14-19=-1122(F=-533, B=-569), 10-14=-1075(F=-486, B=-569)

Qty 4-Plex SW 58TH Job Truss Truss Type Ply K5735101 19-OT0360 G01 GABI F 1 Job Reference (optional) CLACKAMAS, OR - 97015, 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:28 2019 Page 1 Precision Truss & Lumber, Inc., ID:D0JFF4nFh1jqNrCl5JavfxzoYef-pBDmKKhftus3rElhOJ4x6Wpt2alxrOq0ZuhJR2zkvFf

27-9-8 27-9-8

Scale = 1:50.8

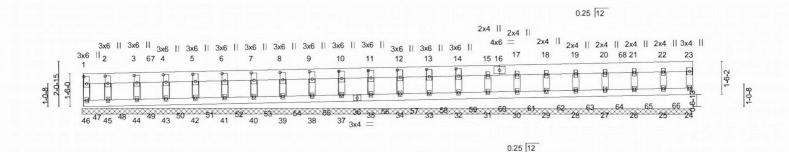


Plate Offsets (X,Y)--[1:0-4-0,0-1-8], [2:0-4-0,0-1-8], [3:0-4-0,0-1-8], [4:0-4-0,0-1-8], [5:0-4-0,0-1-8], [6:0-4-0,0-1-8], [7:0-4-0,0-1-8], [8:0-4-0,0-1-8], [9:0-4-0,0-1-8], [10:0-4-0,0-1-8],,0-1-8], [11:0-4-0,0-1-8], [12:0-4-0,0-1-8], [13:0-4-0,0-1-8], [14:0-4-0,0-1-8] LOADING (psf) SPACING-2-0-0 CSL DEFL. I/defl L/d PLATES GRIP in (loc) 25.0 TCLL Plate Grip DOL 1.15 TC 0.05 Vert(LL) n/a n/a 999 MT20 185/148 (Roof Snow=25.0) BC Lumber DOL 1 15 0.10 Vert(CT) n/a n/a 999 TCDL 12.0 Rep Stress Incr YES WB 0.12 Horz(CT) -0.00 14 n/a n/a BCLL 0.0 Code IRC2015/TPI2014 Matrix-R Weight: 116 lb FT = 0%BCDI 10.0 LUMBER-BRACING-

27-9-8

TOP CHORD 2x6 DF No.2 BOT CHORD 2x4 DF No.2

2x4 HF Std WEBS 2x4 HF Std **OTHERS** 

TOP CHORD **BOT CHORD** 

Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals

Rigid ceiling directly applied or 6-0-0 oc bracing

REACTIONS. All bearings Mechanical.

Max Horz 46=46(LC 9) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 24, 46, 1, 25, 26, 27, 28, 29, 30, 31, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2

Max Grav All reactions 250 lb or less at joint(s) 1 except 24=272(LC 66),

46=258(LC 45), 25=309(LC 65), 26=309(LC 64), 27=309(LC 63), 28=309(LC 62), 29=309(LC 61), 30=309(LC 60), 31=306(LC 59), 14=297(LC 58), 13=293(LC 57), 12=295(LC 56), 11=294(LC 55), 10=295(LC 54), 9=295(LC 53), 8=295(LC 52), 7=295(LC 51), 6=295(LC 50), 5=295(LC 49), 4=294(LC 48), 3=295(LC 47), 2=286(LC 46)

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

14-32=-4/261, 13-33=0/263, 12-34=0/262, 11-35=0/263, 10-37=0/263, 9-38=0/263,

8-39=0/263, 7-40=0/263, 6-41=0/263, 5-42=0/263, 4-43=0/262, 3-44=0/263, 2-45=-7/255

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 27-7-12 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are 2x3 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.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members. 8) Refer to girder(s) for truss to truss connections
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 46, 1, 25, 26, 27, 28, 29, 30, 31, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2. 10) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 11) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

City of Portland REVI STENGINEER SOL 9200P ER C OREGON BA MERRIL

> EXPIRES: 12-31-2019 February 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 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/TPH\*\* Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



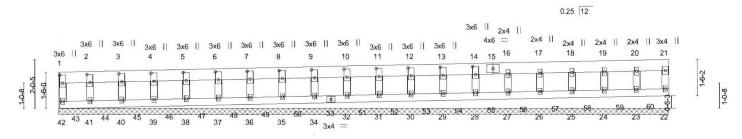
Job Truss Truss Type Qty Ply 4-Plex SW 58TH K5735102 19-OT0360 G02 GABLE 1 Job Reference (optional)

Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015.

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:31 2019 Page 1 ID: D0JFF4nFh1jqNrCI5JavfxzoYef-DluuyMjXApEeiiUG3Rdek8ROEnme2kZSGsvz2NzkvFc

Scale = 1:46.1



0.25 12

TO SHOW AND ADDRESS OF THE PARTY OF THE PART					25-3-4						
Plate Offsets (X,Y)	[1:0-4-0,0-1-8], [2:0-4-0,0-7,0-1-8], [11:0-4-0,0-1-8], [1					-0,0-1-8]	], [7:0-4	-0,0-1-8]	, [8:0-4-0,0-1	1-8], [9:0-4-0,0-1-8], [10	):0-4-0
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 12.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI. TC BC WB	0.06 0.10 0.12	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a -0.00	(loc) - - 13	I/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 185/148
BCLL 0.0 *	Code IRC2015/T	PI2014	Matri	x-R						Weight: 106 lb	FT = 0%

25-3-4

**BCDL** LUMBER-

TOP CHORD 2x6 DF No.2 BOT CHORD 2x4 DF No.2

2x4 HF Std **WEBS OTHERS** 2x4 HF Std

BRACING-TOP CHORD

**BOT CHORD** 

Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals

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

REACTIONS. All bearings Mechanical.

Max Horz 42=45(LC 9) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 22, 42, 1, 23, 24, 25, 26, 27, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2

Max Grav All reactions 250 lb or less at joint(s) 1 except 22=272(LC 62),

42=260(LC 43), 23=309(LC 61), 24=309(LC 60), 25=309(LC 59), 26=309(LC 58), 27=306(LC 57), 14=297(LC 56), 13=293(LC 55), 12=295(LC 54), 11=294(LC 53), 10=295(LC 52), 9=295(LC 51), 8=295(LC 50), 7=295(LC 49), 6=295(LC 48),

5=295(LC 47), 4=294(LC 46), 3=295(LC 45), 2=292(LC 44)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. 14-28--4/261, 13-29-0/263, 12-30-0/262, 11-31-0/263, 10-32-0/263, 9-34-0/263, 8-35=0/263, 7-36=0/263, 6-37=0/263, 5-38=0/263, 4-39=0/262, 3-40=0/263, 2-41=-5/260

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 25-1-8 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
- 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x3 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 11) Refer to girder(s) for truss to truss connections.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22, 42, 1, 23, 24, 25, 26, 27, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2.



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> EXPIRES: 12-31-2019 February 15,2019

Continued on page 2

M WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 properly 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 available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH	
19-ОТ0360	000	CARLE			K57351	02
19-010360	G02	GABLE	1	1	Job Reference (optional)	

CLACKAMAS, OR - 97015,

8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:32 2019 Page 2 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-hySGAik9x7MVJs3Td98tHMzZ\_B6tnBpbUWfWapzkvFb

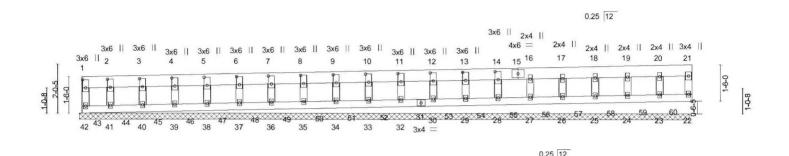
#### NOTES-

- 13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 14) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

Joh Truss Truss Type Qty Ply 4-Plex SW 58TH K5735103 19-OT0360 G03 GABLE Job Reference (optional) Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015. 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:34 2019 Page 1 ID:D0JFF4nFh1jqNrCl5JavfxzoYef-eKa1bOlPTkcDZ9DrkaBLMn3vW?oLF5Juyq8dfizkvFZ

25-2-0

Scale = 1:45.9



[1:0-4-0,0-1-8], [2:0-4-0,0-1-8], [3:0-4-0,0-1-8], [4:0-4-0,0-1-8], [5:0-4-0,0-1-8], [6:0-4-0,0-1-8], [7:0-4-0,0-1-8], [8:0-4-0,0-1-8], [9:0-4-0,0-1-8], [10:0-4-0,0-1-8],Plate Offsets (X,Y)--,0-1-8], [11:0-4-0,0-1-8], [12:0-4-0,0-1-8], [13:0-4-0,0-1-8], [14:0-4-0,0-1-8] LOADING (psf) SPACING-2-0-0 CSL DEFL I/defl L/d **PLATES** GRIP in (loc) TCLL 25.0 Plate Grip DOL 1.15 TC 0.06 Vert(LL) n/a n/a 999 MT20 185/148 (Roof Snow=25.0) Lumber DOI 1 15 BC. 0.10 Vert(CT) n/a n/a 999 TCDL 12.0 Rep Stress Incr YES WB 0.12 Horz(CT) -0.00 13 n/a n/a BCLL 0.0 Code IRC2015/TPI2014 Matrix-R Weight: 105 lb FT = 0%BCDL

LUMBER-

2x6 DF No.2 TOP CHORD **BOT CHORD** 2x4 DF No.2

2x4 HF Std **WEBS OTHERS** 2x4 HF Std BRACING-TOP CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals

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

REACTIONS. All bearings Mechanical

(lb) - Max Horz 42=44(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 42, 1, 22, 23, 24, 25, 26, 27, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2

Max Grav All reactions 250 lb or less at joint(s) 1 except 42=259(LC 43),

22=272(LC 62), 23=309(LC 61), 24=309(LC 60), 25=309(LC 59), 26=309(LC 58), 27=306(LC 57), 14=297(LC 56), 13=293(LC 55), 12=295(LC 54), 11=295(LC 53), 10=295(LC 52), 9=295(LC 51), 8=295(LC 50), 7=295(LC 49), 6=295(LC 48),

5=295(LC 47), 4=294(LC 46), 3=295(LC 45), 2=288(LC 44)

**WEBS** 

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. 14-28--4/261, 13-29-0/263, 12-30-0/263, 11-32-0/263, 10-33-0/263, 9-34-0/263, 8-35=0/263, 7-36=0/263, 6-37=0/263, 5-38=0/263, 4-39=0/262, 3-40=0/263,

2-41=-7/256

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 25-0-4 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
- 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x3 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 11) Refer to girder(s) for truss to truss connections.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 42, 1, 22, 23, 24, 25, 26, 27, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2.

Continued on page 2

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Permit Number

EXPIRES: 12-31-2019 February 15,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 10/03/2015 REFORE 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

\*\*ANSI/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Values and truss systems, see

\*\*ANSI/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Values are storage, delivery, erection and bracing of trusses and truss systems, see



250 Klug Circle Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	4-Plex SW 58TH
19-OT0360	G03	GABLE	1	1	K57351
					Job Reference (optional)
Precision Truss & Lur	mber, Inc., CLACKAI	MAS, OR - 97015,		8.240 s D	Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:35 2019 Page 2
NOTEO			ID:D0JFF4r	nFh1jqNrCI	5JavfxzoYef-6X8Pokm2E2I4AJo2IHiav_b4GP7a_YZ2AUtAB8zkvFY

NOTES-13) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

14) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

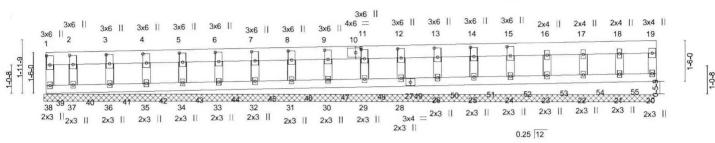
Job Truss Type Ply 4-Plex SW 58TH Truss Qtv K5735104 19-OT0360 G04 GABLE Job Reference (optional) CLACKAMAS, OR - 97015, 8.240 s Dec 6 2018 MiTek Industries, Inc. Fri Feb 15 11:38:37 2019 Page 1 Precision Truss & Lumber, Inc.,

22-4-0

Scale = 1:40.7

0.25 12

ID:D0JFF4nFh1jqNrCl5JavfxzoYef-2vF9DPoImf?nQdxQPik2 PhQlCp2SS2LeoMHG0zkvFW



22-4-0 [1:0-4-0,0-1-8], [2:0-4-0,0-1-8], [3:0-4-0,0-1-8], [4:0-4-0,0-1-8], [5:0-4-0,0-1-8], [6:0-4-0,0-1-8], [7:0-4-0,0-1-8], [8:0-4-0,0-1-8], [9:0-4-0,0-1-8], [10:0-2-6], [10:0-Plate Offsets (X,Y)--,0-2-0], [11:0-4-0,0-1-8], [12:0-4-0,0-1-8], [13:0-4-0,0-1-8], [14:0-4-0,0-1-8], [15:0-4-0,0-1-8] LOADING (psf) SPACING-CSI. 2-0-0 DEFL (loc) I/defl L/d **PLATES** GRIP TCLL 25 0 Plate Grip DOL TC 0.06 1.15 Vert(LL) n/a 999 MT20 185/148 n/a (Roof Snow=25.0) Lumber DOL 1.15 BC 0.10 Vert(CT) n/a n/a 999 TCDI 12.0 Rep Stress Incr YES WB 0.12 Horz(CT) -0.00 14 n/a n/a BCLL 0.0 Code IRC2015/TPI2014 Matrix-R FT = 0%Weight: 94 lb BCDL

LUMBER-TOP CHORD 2x6 DF No.2 2x4 DF No.2 **BOT CHORD** 2x4 HF Std **WEBS** 2x4 HF Std OTHERS

**BRACING-**TOP CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.

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except end verticals.

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

REACTIONS. All bearings Mechanical

(lb) - Max Horz 38=43(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 38, 1, 20, 21, 22, 23, 15, 14, 13, 12, 11, 9, 8, 7, 6, 5, 4, 3, 2

Max Grav All reactions 250 lb or less at joint(s) 1 except 38=257(LC 41),

20=272(LC 58), 21=309(LC 57), 22=310(LC 56), 23=306(LC 55), 15=297(LC 54), 14=293(LC 53), 13=295(LC 52), 12=295(LC 51), 11=295(LC 50), 9=295(LC 49),

8=295(LC 48), 7=295(LC 47), 6=295(LC 46), 5=295(LC 45), 4=294(LC 44),

3=296(LC 43), 2=279(LC 42)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 15-24=-4/261, 14-25=0/263, 13-26=0/263, 12-28=0/263, 11-29=0/263, 9-30=0/263, 8-31=0/263, 7-32=0/263, 6-33=0/263, 5-34=0/263, 4-35=0/262, 3-36=0/263

NOTES.

**WEBS** 

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 22-2-4 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) 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 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) 38, 1, 20, 21, 22, 23, 15, 14, 13, 12, 11, 9, 8, 7, 6, 5, 4, 3, 2,
- 12) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads

13) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.



EXPIRES: 12-31-2019 February 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 REFORE 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 Design Valid for use only within the recommendations. In its design is based only upon parameters snown, 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

\*\*SASITPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

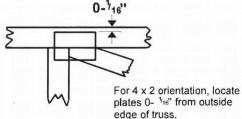


## **Symbols**

#### PLATE LOCATION AND ORIENTATION



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



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

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

#### PLATE SIZE

4 x 4

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

#### LATERAL BRACING LOCATION



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

#### BEARING



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

#### **Industry Standards:**

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.

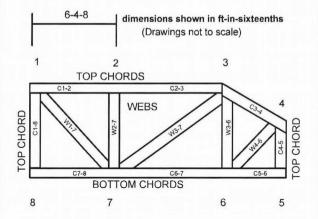
DSB-89: Design Standard for Bracing.

BCSI:

Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate

Connected Wood Trusses.

## **Numbering System**



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

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

#### PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

## **General Safety Notes**

### Failure to Follow Could Cause Property Damage or Personal Injury

- 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- 2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
- 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.
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- 7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- 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
- 13. Top chords must be sheathed or purlins provided at spacing indicated on design.
- 14. Bottom chords require lateral bracing at 10 ft, spacing. or less, if no ceiling is installed, unless otherwise noted,
- 15. Connections not shown are the responsibility of others.
- 16. Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- 18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use,
- 19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- 20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.