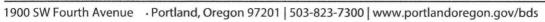


## City of Portland, Oregon - Bureau of Development Services





# **Deferred Submittal Requirements and Application**

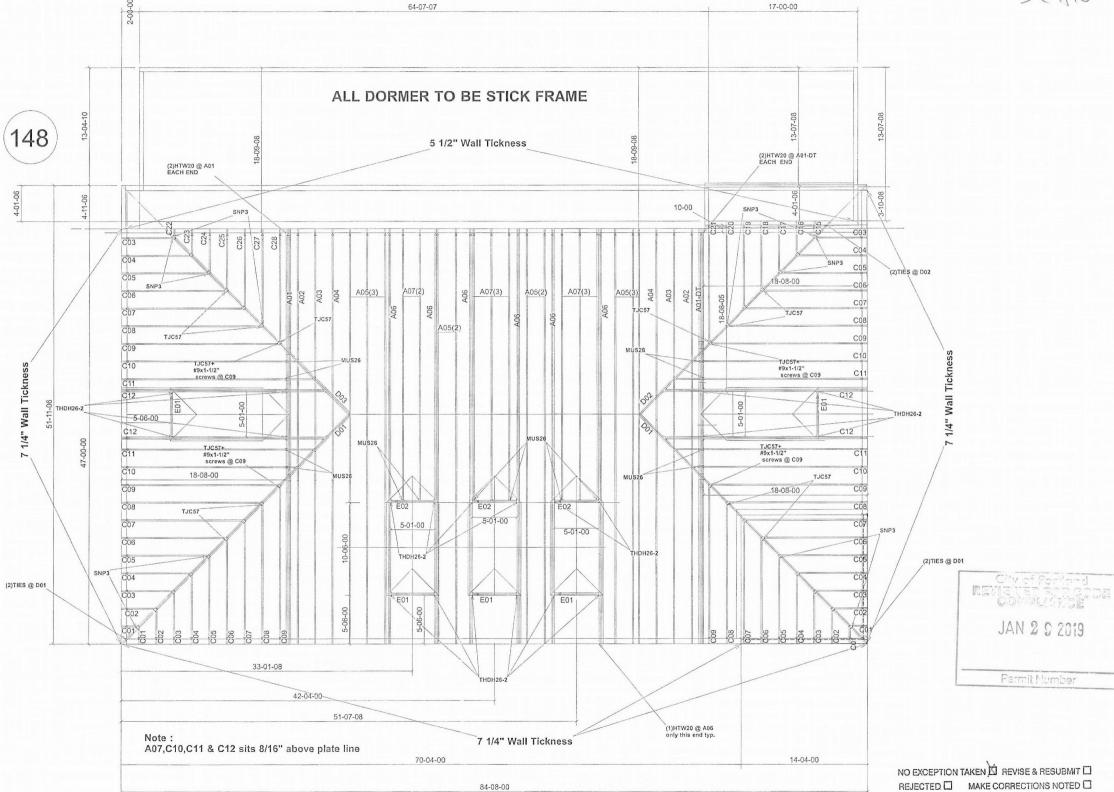
Applicants will provide:	
✓ A copy of this application	Permit fee (paid at time of submittal)
✓ Three (3) sets of plans	If the DFS includes exterior elements, plan
Two (2) set of calculations	views and elevations identifying the location(s as approved by the Architect and Engineer of
Two (2) sets of product information	Record must be submitted.
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.	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 nameJohn Eckart - Pacific Crest Con	struction
Address 24111 NE Halswy Dtreet	
City_ Troutdale	State_ OR Zip Code_ 97060
Phone_503-522-5183	epcc14@gmail.com
	ued main building permit # 17-174941-000-00-CC
Job site address 3860 SE 11th Avenue, Portland	d, Oregon
Description/Scope of work Truss Package	
Fees	
Deferred submittal (DFS) fees are collected in addition to building permit. DFS fees cover the cost of the additional design build element.	-
The DFS fee for processing and reviewing deferred plan	•
calculated using the value of the particular deferred port	
Minimum fee: Residential, one and two family d	welling\$123 for DFS with valuation of less than or equal to \$222,000
Commercial and all other projects	s\$307 for DFS with valuation of less than or equal to \$680,000
The Bureau of Development Services (BDS) fee schedu www.portlandoregon.gov/bds   select the Fees tab.	lle is also available on the BDS web site at
	Important Telephone Numbers
Helpful Information	Important Telephone Numbers BDS main number
Bureau of Development Services 1900 SW 4th Avenue, Portland, OR 97201	DSC automated information line 503-823-7310
Submit your plane to:	Building code information
Submit your plans to: Development Services Center (DSC), First Floor,	Residential information for
For Hours Call 503-823-7310 I Select ontion 1	one and two family dwellings 503-823-7388

**DEFERRED SUBMITTAL REQUIREMENTS AND APPLICATION** 

Information is subject to change.

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

SCAN



PRECISION TRUSS & LUMBER
11550 SE Jennifer St
Clackamas, OR 97015
(503) 656-2983
(503) 656-3647

Client: Pacific Crest Construction

Plan: SHPC Quote:

Sales: Oscar Trigueros Order:18-OT2432-B

Site: Portland, Oregon. Lot:

Pitch: 4/12 Loading: 25-7-10

Overhang 0 Date: 11-05-18

NO EXCEPTION TAKEN THE REVISE & RESUBMIT THE REJECTED THE MAKE CORRECTIONS NOTED THE CONTRACT DOCUMENTS & DESIGN CONCEPT OF THE PROJECT ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE PLANS & SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR CONFRIBMING & CORRELATING DIMENSIONS, FABRICATION & CONSTRUCTION TECHNIQUES, COORDINATION OF HIS WORK WITH OTHER TRADES, AND THE SATISFACTORY PERFORMANCE OF HIS WORK.

JAMES G. PIERSON, INC.
CONSULTING STRUCTURAL ENGINEERS
PORTLAND, OREGON
BY Lake Jolune DATE 01/04/2019



MiTek USA, Inc.

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

Re: 18-OT2432-B

Sacred Heart-Pacific Crest Constr.

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: K5480597 thru K5480635 My license renewal date for the state of Oregon is June 30, 2019.

> NO EXCEPTION TAKEN A REVISE & RESUBMIT MAKE CORRECTIONS NOTED [ REJECTED [ CHECKING IS ONLY FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS & DESIGN CONCEPT OF THE PROJECT. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE PLANS & SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR: CONFIRMING & CORRELATING DIMENSIONS, FABRICATION & CONSTRUCTION TECHNIQUES, COORDINATION OF HIS WORK WITH OTHER TRADES, AND THE SATISFACTORY PERFORMANCE OF HIS WORK.

JAMES G. PIERSON, INC. CONSULTING STRUCTURAL ENGINEERS PORTLAND, OREGON DATE 01/04/2019

52 pages





December 7,2018

Komnick, Chad

**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.

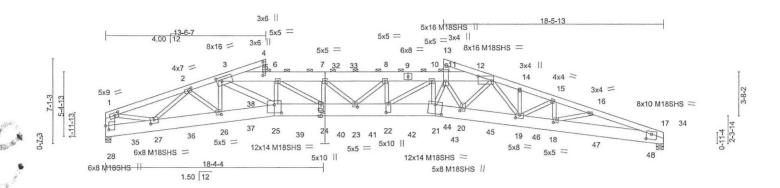


CLACKAMAS, OR - 97015 Precision Truss & Lumber, Inc.,

8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:10:41 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-2i0EzDaobrNyLRdOxBvTu5gxx45nsHuy6TsX\_XyBQsi

28-8-3 | 35-0-14 | 37-11-13 | 40-10-11 | 2-8-0 | 2-10-14 | 2-10-14 | 28-6-3 0-2-0

Scale = 1:92 5



37-11-13 13-6-7 14-3<sub>1</sub>0 18-4-4 21-0-5 | 23-8-6 | 0-10-3

Plate Offsets (X,Y)--[1:0-3-11,0-2-8], [2:0-3-0,0-2-0], [3:0-5-4,0-4-0], [4:0-3-12,0-1-8], [5:0-3-8,0-1-8], [11:0-4-12,0-2-0], [12:1-1-11,Edge], [16:0-2-0,0-1-12], [17:0-5-0,0-5-2], [18:0-2-8,0-3-0], [19:0-4-0,0-3-0], [20:0-3-0,0-2-4], [21:0-7-6,0-9-4], [22:0-8-8,0-2-8], [23:0-2-8,0-3-0], [24:0-8-4,0-2-0], [25:0-7-0,0-8-4], [26:0-2-8,0-3-0], [20:0-3-0,[27:0-4-0,0-3-8], [28:0-4-0,0-3-4]

LOADING (psf) TCLL 25.0	SPACING- 1-0-0 Plate Grip DOL 1.15	CSI. TC 0.71	DEFL. in (loc) I/defl L/d Vert(LL) -0.55 21-22 >999 360	PLATES GRIP MT20 137/130
(Roof Snow=25.0) TCDL 20.0	Lumber DOL 1.15 Rep Stress Incr YES	BC 0.92 WB 0.78	Vert(CT) -1.43 21-22 >392 240 Horz(CT) 0.49 17 n/a n/a	M18SHS 137/130
BCLL 0.0 BCDL 20.0	Code IBC2015/TPI2014	Matrix-MS	Wind(LL) 0.42 21-22 >999 240	Weight: 1827 lb FT = 0%

\*LUMBER-

TOP CHORD 2x6 DF 2500F 2.2E \*Except\* 9-12.3-9: 2x10 DF SS 2x12 DF SS \*Except\* BOT CHORD

21-25: 1-1/2" x 11-7/8" VERSA-LAM® 2.0 2800 DF

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

3-25: 2x6 DF 1800F 1.6E, 6-25: 2x4 HF Std, 1-28: 2x10 DF SS

11-13: 2x6 DF No 2

REACTIONS.

(lb/size) 17=10616/0-7-4, 28=12087/0-5-8

Max Horz 28=-57(LC 11)

Max Uplift 17=-1477(LC 7), 28=-1630(LC 7) Max Grav 17=11016(LC 37), 28=12505(LC 37)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. TOP CHORD 1-2=-20105/2625, 2-3=-35671/4718, 3-5=-56048/7475, 5-6=-56128/7486,

6-7=-62950/8413, 7-8=-65621/8776, 8-10=-67449/9046, 10-11=-64935/8736

11-12=-54081/7282, 12-14=-46197/6213, 14-15=-46642/6252, 15-16=-41312/5523,

16-17=-37753/5079, 1-28=-10754/1410

**BOT CHORD** 27-28=-391/2877, 26-27=-3669/28388, 25-26=-4598/35469, 24-25=-7450/56760,

23-24=-8295/62985, 22-23=-8928/67483, 21-22=-8639/65113, 20-21=-8235/62106,

19-20=-6178/46674, 18-19=-5329/40214, 17-18=-4732/35356

1-27=-2114/16369, 2-26=-1051/8184, 3-26=-5310/731, 3-25=-3618/27168

6-25=-11563/1584, 6-24=-1042/7621, 10-22=-369/2918, 10-21=-2878/390, 11-21=-1311/10031, 16-18=-542/4566, 7-24=-2546/391, 8-23=-2686/397, 8-22=-144/1331,

4-5=-5324/719, 2-27=-13441/1803, 11-20=-19494/2586, 12-20=-2656/20214,

7-23=-532/3887, 15-18=-6348/881, 15-19=-714/5492, 14-19=-149/1315, 12-19=-3591/487

NOTES

WEBS

1) NA 2) 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc, 2x10 - 5 rows staggered at 0-4-0 oc Bottom chords connected as follows: 2x12 - 2 rows staggered at 0-9-0 oc, 1 1/2 x 11 7/8 - 3 rows staggered at 0-6-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 7-24 2x4 - 2 rows staggered at 0-4-0 oc, member 22-8 2x4 - 2

rows staggered at 0-4-0 oc, member 5-4 2x4 - 2 rows staggered at 0-4-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc, Except member

11-13 2x6 - 3 rows staggered at 0-4-0 oc.

Attach TC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc. Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.

3) 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

Continued mactiage Bave been provided to distribute only loads noted as (F) or (B), unless otherwise indicated

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-12. BOT CHORD

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

2-2-0 oc bracing: 20-21.

Alternate to 1/2" dia. bolts and washers specified in note 2: USP WSG, SIMPSON SDS25600, SDW22638, OR TRUSSLOK TSLZ006,

1/4" X 6" LONG WOOD SCREWS SPACED @ 24" OC, 2 ROWS (ONE ROW-2X4)

DRIVEN FROM EITHER SIDE OF 4-PLY GIRDER TRUSS CAN

REPLACE THE 1/2" BOLTS @ 48" OC IN CHORD MEMBERS

AS SHOWN IN THE NOTE SECTION.

PLY-TO-PLY CONNECTION REQUIRES THAT AN APPROVED FACE MOUNT HANGER (SPECIFIED BY OTHERS) IS REQUIRED FOR LOADS REPORTED IN NOTES. FACE MOUNT HANGER SHALL BE ATTACHED WITH A MINIMUM OF 0.148"x 3" NAILS PER HANGER

MANUFACTURER SPECIFICATIONS.

STERED PROFESSION 868Ø9PE **OREGON** 

> EXPIRES: 06-30-2019 December 7,2018

M

Marking - 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

ANSITP11 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	Sacred Heart- Pacific Crest Constr.	VC400507
18-OT2432- <b>B</b>	A01	CALIFORNIA GIRDER	1	4	Job Reference (optional)	K5480597

Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015,

8,220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:10:42 2018 Page 2 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-WuacAZbQM9VpybCaVuQiQJD6hUR0bk85L7b5X\_yBQsh

#### NOTES-

- 4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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
- 5) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 6) Unbalanced snow loads have been considered for this design.
- 7) All plates are MT20 plates unless otherwise indicated.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) Bearing at joint(s) 17, 28 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=1477, 28=1630.
- 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) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5189 lb down and 688 lb up at 18-4-1, and 7625 lb down and 1011 lb up at 33-8-5 on top chord, and 2224 lb down and 295 lb up at 23-3-10, and 2224 lb down and 295 lb up at 28-7-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

#### LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-45, 3-4=-45, 5-11=-45, 12-13=-45, 12-17=-45, 28-38=-20, 25-38=-370(F=-350), 24-25=-370(F=-350), 22-24=-20, 21-22=-370(F=-350), 21-22=-37

21-43=-370(F=-350), 29-43=-20

Concentrated Loads (lb)

Vert: 4=-4900(F) 24=-2100(F) 22=-2100(F) 11=-7200(F)





15-16=-44812/10059, 16-17=-41778/10369, 1-28=-10852/1749

27-28=-1911/3971, 26-27=-6412/30162, 25-26=-9237/38706, 24-25=-14173/61538,

23-24=-15673/67970, 22-23=-16408/72442, 21-22=-15676/69883, 20-21=-14988/66584, 19-20=-11957/50251, 18-19=-10459/43774, 17-18=-9349/38633

1-27=-2638/16604, 2-26=-1250/8221, 3-26=-5433/935, 3-25=-4218/27461,

6-25=-11403/1721, 6-24=-1353/7506, 10-22=-910/3135, 10-21=-2868/593, 11-21=-2288/10824, 16-18=-1085/5021, 7-24=-2536/572, 8-23=-2915/792,

8-22=-463/1445 4-5=-5325/725 2-27=-13599/2176 11-20=-20463/3815 12-20=-3912/21089, 7-23=-833/3968, 15-18=-4542/1134, 15-19=-1157/4602,

14-19=-148/911, 12-19=-4087/903

NOTES-1) NA

WEBS

BOT CHORD

2) 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc, 2x10 - 5 rows staggered at 0-4-0 oc, Bottom chords connected as follows: 2x12 - 2 rows staggered at 0-9-0 oc, 1 1/2 x 11 7/8 - 3 rows staggered at 0-6-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 7-24 2x4 - 2 rows staggered at 0-4-0 oc, member 22-8 2x4 - 2 rows staggered at 0-4-0 oc, member 5-4 2x4 - 2 rows staggered at 0-4-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc, Except member 11-13 2x6 - 3 rows staggered at 0-4-0 oc.

Attach TC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc. Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc

MANUFACTURER SPECIFICATIONS

ERED PROFESS 86809PF OREGON

> EXPIRES: 06-30-2019 December 7,2018

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/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 Cond1	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.	K5480598
18-OT2432-B		CALIFORNIA GIRDER	1	4	Job Reference (optional)	N3460398

Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015,

8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:02 2018 Page 2 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-xknANPqzel0zMgkQg5nOEX2WVYGkHn31xER8EpyBQsN

#### NOTES-

- 3) 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.
- 4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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
- 5) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 6) Unbalanced snow loads have been considered for this design.
- 7) All plates are MT20 plates unless otherwise indicated.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) Bearing at joint(s) 17, 28 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=2953, 28=2014.
- 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 200 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 22-3-8, 46-0-0 to 47-0-0 for 403.6 plf.
- 13) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
- 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5189 lb down and 688 lb up at 18-4-1, and 7625 lb down and 1011 lb up at 33-8-5 on top chord, and 2224 lb down and 295 lb up at 23-3-10, and 2224 lb down and 295 lb up at 28-7-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

## LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-45, 3-4=-45, 5-11=-45, 12-13=-45, 12-17=-45, 28-35=-20, 25-35=-370(F=-350), 24-25=-370(F=-350), 22-24=-20, 21-22=-370(F=-350), 21-40=-370(F=-350), 17-40=-20

Concentrated Loads (lb)

Vert: 4=-4900(F) 24=-2100(F) 22=-2100(F) 11=-7200(F)



Job	Trus	Cond2	Truss Type	Qty	Ply	Sacred Heart- Pacific Cr	est Constr.	K548059
18-OT2432-B	A011		CALIFORNIA GIRDER	1	4	Toob (ciciones (optional)		
Precision Truss &	6-11-		(- 97015), 13-6-7 14-3-0 18-4-4 23- 3-10-11 0 <sup>1</sup> 8-9 4-1-4 5-	8-6 27-9-10 28 4-2 4-1-4 0		ov 16 2018 MiTek Industria g9nJytrALJTI?QsrxDOV! 1 35-0-14		
0-Z-3 7-7-3 1-11-13	5x9 = 1	4.00 12 8x16 =  4x7 = 3 2  418SHS = 27 33 18-4.26  1.50 12 5x5	34 25 24 5x 5x5 = 36 37 29	5x5 = 5x5 6x8 = 5x5 0 8 9 11 5x5 = 22 39 2 5x9    12x14 M1	1 41 20 4	18-5-13  18SHS =  3x4    14  4x4 = 15  2  19  43  18 $5x8 = 5x5 =$ 37-11-13	98	M18SHS = 31 17 4-16.2
Plate Offsets (X,\			13-6-7 14-3-0 18-4-4 21-0-5 3-10-11 018-9 4-1-4 2-8-1 ], [3:0-5-4,0-4-0], [5:0-3-8,0-1-8], 9-8], [22:0-6-0,0-2-4], [23:0-2-8,0	[11:0-4-12,0-2-0], [12	9-3-1 32-4-14 1-5-7 2-3-10 0-10-3 :0-2-12,0-3-8]	35-0-14 36-6-5 43- 2-8-0 1-5-7 1-5-7 5- , [16:0-2-0,0-1-12], [17:0-		
LOADING (psf) TCLL 25 (Roof Snow=25.0 TCDL 20 BCLL 0 BCDL 20	i.0 i) i.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IBC2015/TPI2	1-0-0 CSI. 1.15 TC 0.20 1.15 BC 0.20 YES WB 0.35 2014 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in (loc) -0.05 19 -0.11 19 0.03 17 0.05 19	l/defl L/d >999 360 >999 240 n/a n/a >999 240	PLATES MT20 M18SHS Weight: 1827 lb	GRIP 137/130 137/130 0 FT = 0%
LUMBER- TOP CHORD 2 9 BOT CHORD 2 WEBS 2 3 1	x6 DF 2500F 2 -12,3-9: 2x10 E x12 DF SS *Ex 1-25: 1-1/2" x * x4 DF No.1&Bi -25: 2x6 DF 18 1-13: 2x6 DF N	DF SS ccept* 11-7/8" VERSA-LAM tr *Except* 100F 1.6E, 6-25: 2x4 do.2	® 2.0 2800 DF HF Std, 1-28: 2x10 DF SS h) 17=0-7-4, 28=0-5-8, 28=0-5-8	BRACING- TOP CHORE BOT CHORE	except Rigid or 10-0-0  PLY-TO-PL FACE MOU LOADS RE	ral wood sheathing direct end verticals, and 2-0-0 o eiling directly applied or 6 oc bracing: 20-21,18-19. Y CONNECTION REQU NT HANGER (SPECIFII PORTED IN NOTES. FA	ic purlins (6-0-0 ma -0-0 oc bracing, E IRES THAT AN AF ED BY OTHERS) II	x.): 3-12. xcept: PPROVED S REQUIRED FOR SER SHALL BE
N	34), 23=- Max Grav All I	uplift 100 lb or less a 25=-1291(LC 39), 27 4102(LC 41) reactions 250 lb or le	t joint(s) 28 except 17=-1164(LC 7=-566(LC 34), 26=-226(LC 38), ss at joint(s) except 17=2929(LC -498(LC 41), 26=785(LC 67), 24=	24=-1951(LC 54), 54), 28=859(LC	MANUFAC	) WITH A MINIMUM OF TURER SPECIFICATION		PER HANGER
TOP CHORD	1-2=-1365/161 6-7=-3476/799 11-12=-9013/1 15-16=-9585/3	11, 2-3=-1978/2693, 3 94, 7-8=-3959/10465, 1493, 12-13=-598/59 8135, 16-17=-9824/40		-6=-2318/4569, 1683, 64/2723,				
BOT CHORD WEBS	23-24=-8142/3 19-20=-4151/1 1-27=-1455/12 6-24=-4470/1 16-18=-310/90 2-27=-1606/20	8844, 22-23=-3389/26 10532, 18-19=-3792/9 261, 2-26=-1165/100 632, 10-22=-11777/2 03, 7-24=-1265/3378,	330, 25-26=-3248/2705, 24-25=-4 334, 21-22=-3993/10438, 20-21= 9843, 17-18=-3508/8912 7, 3-26=-1003/876, 3-25=-3834/2 025, 10-21=-968/5050, 11-21=-3 8-23=-10543/1496, 8-22=-892/6 9, 12-20=-354/2159, 7-23=-4551/	-4240/11894, 010, 6-25=-2634/111 650/544,	BUT AMICE			
NOTES- 1) N/A					permit Num			

Continued on page 2

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

ANS/ITPH 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 Cond?	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.	K5480598
18-OT2432-B	AO1DT- Cond2	CALIFORNIA GIRDER	1	4	Job Reference (optional)	K5480598

Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015.

8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec. 7 07:11:06 2018, Page 2 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-pW1gDmtUiXWPrH1CvxsKONCLZ9otDiudssPMNayBQsJ

#### NOTES-

2) 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc, 2x10 - 5 rows staggered at 0-4-0 oc.

Bottom chords connected as follows: 2x12 - 2 rows staggered at 0-9-0 oc, 1 1/2 x 11 7/8 - 3 rows staggered at 0-6-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 22-8 2x4 - 2 rows staggered at 0-4-0 oc, member 5-4 2x4 - 2 rows staggered at 0-4-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc, Except member 11-13 2x6 - 3 rows staggered at 0-4-0 oc.

Attach TC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.

Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.

- 3) 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.
- 4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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
- 5) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 6) Unbalanced snow loads have been considered for this design.
- 7) All plates are MT20 plates unless otherwise indicated.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- o) This truss has been designed not a 10.0 ps bottom critical live load into close the live load not 26=226, 24=1951, 23=4102,
- 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 200 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 22-3-8, 46-0-0 to 47-0-0 for 403.6 plf.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 14) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
- 15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5189 lb down and 688 lb up at 18-4-1, and 7625 lb down and 1011 lb up at 33-8-5 on top chord, and 2224 lb down and 295 lb up at 23-3-10, and 2224 lb down and 295 lb up at 28-7-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

#### LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-45, 3-4=-45, 5-11=-45, 12-13=-45, 12-17=-45, 28-35=-20, 25-35=-370(F=-350), 24-25=-370(F=-350), 22-24=-20, 21-22=-370(F=-350), 21-22=-

21-40=-370(F=-350), 17-40=-20

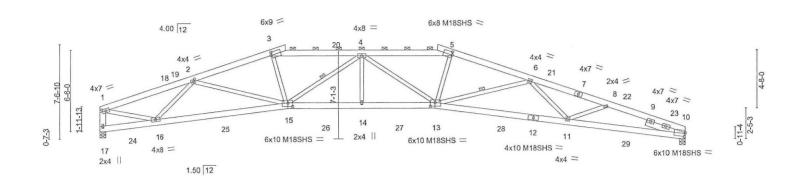
Concentrated Loads (lb)

Vert: 4=-4900(F) 24=-2100(F) 22=-2100(F) 11=-7200(F)





Job	Truss		Truss Type			Qty	Ply	Sacred Heart- Pacific Cre	st Constr.	
18-OT2432-B	A02		CAL HIP SO	ISSOR		2	1			, K5480599
								Job Reference (optional)		
Precision Truss & Lu	mber, Inc., CLA	CKAMAS, OR -	97015,				8.220 s No	ov 16 2018 MiTek Industries	, Inc. Fri Dec 7 07:	11:07 2018 Page 1
					ID:3	zWog0NpzQ	OBu6J_Hmq9	9nJyLrAHib3Q6u6TqeGSF	RcOTeNZxalMcZ05y	4cm5W9vv1yBQsI
			15-1-6			28-2-0				
Y	7-5-11	13-10-10	14-10-13	21-0-5	 26-11-4	27-1-13	34-6-15	40-7-11	47-0-0	<u> </u>
	7-5-11	6-4-15	1-0-3	5-10-15	5-10-15	0-2-9	6-4-15	6-0-13	6-4-5	
			0-2-9			1-0-3				Scale = 1:88.3



, 4-5	-5	13-10-10	15-1-6	21-0-5	1	26-11-4 28-	2-0	37-	7-5		47-0-0	
4-5	5-5	9-5-5	1-2-12	5-10-15	1	5-10-15 1-2	12	9-5	5-5		9-4-11	1
Plate Offsets (X,Y)	[1:0-3-4,0-2	0], [2:0-1-12,0-2	2-0], [3:0-0-14,0	)-3-0], [5:0-	0-10,0-3-	0], [10:0-0-11,0-3-	13], [13:0	-4-8,0-3	3-8], [15:0	-4-8,0-3-8]		
LOADING     (psf)       TCLL     25.0       (Roof Snow=25.0)     7.0       TCDL     7.0       BCLL     0.0       BCDL     10.0	Pla Lu Re	ACING- ate Grip DOL mber DOL p Stress Incr de IBC2015/TP	2-0-0 1.15 1.15 YES 12014	BC	0.82 0.71 0.70 -R	DEFL. Vert(LL) Vert(CT) Horz(CT Wind(LL	-0.61 -1.01 0.43	(loc) 11-13 11-13 10 11-13	I/defl >916 >553 n/a >999	L/d 360 240 n/a 240	PLATES MT20 M18SHS Weight: 287 lb	GRIP 185/148 185/148 FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

**WEBS** 

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E 2x6 DF 1800F 1.6E **BOT CHORD** 

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

1-16: 2x4 DF No.2, 1-17: 2x6 DF 1800F 1.6E

SLIDER Right 2x6 DF No.2 3-3-0

REACTIONS. (lb/size) 17=1962/0-5-8, 10=1962/0-5-8 Max Horz 17=-162(LC 15)

Max Uplift 17=-377(LC 10), 10=-397(LC 11) Max Grav 17=2281(LC 32), 10=2346(LC 32)

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

TOP CHORD 1-2=-3528/536, 2-3=-4820/886, 3-4=-4874/900, 4-5=-5566/1044, 5-6=-5509/1023, 6-8=-6968/1152, 8-10=-7096/1225

**BOT CHORD** 15-16=-752/4387, 14-15=-855/5766, 13-14=-855/5766, 11-13=-1044/6577,

10-11=-1075/6485 WEBS

1-16=-475/3383, 2-16=-1628/433, 2-15=-80/923, 3-15=-110/1157, 4-15=-1097/300, 4-14=-14/298, 4-13=-453/385, 5-13=-130/1377, 6-13=-1445/310, 6-11=-153/383,

8-11=0/515, 1-17=-2256/376

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 5-2-2 to 10-4-7, Interior(1) 10-4-7 to 18-7-6, Exterior(2) 18-7-6 to 25-11-11, Interior(1) 25-11-11 to 33-4-0, Exterior(2) 33-4-0 to 40-8-2, Interior(1) 40-8-2 to 51-10-11 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 ps. For each case of the control of
- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) Unbalanced snow loads have been considered for this design.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Bearing at joint(s) 17, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
- 17=377, 10=397. 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

STERED PROFESS 86809PE M.

Scale = 1:88.3

EXPIRES: 06-30-2019 December 7,2018

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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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.



Structural wood sheathing directly applied or 2-2-0 oc purlins, except

4-15, 6-13

2-0-0 oc purlins (3-8-5 max.): 3-5.

JAN 2 9 2019

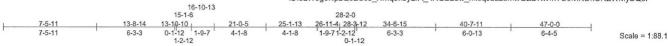
Rigid ceiling directly applied or 6-0-0 oc bracing.

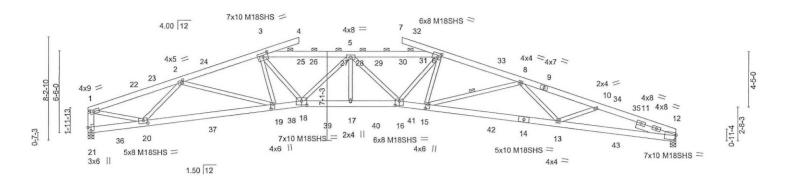
Job Truss Truss Type Qty Ply Sacred Heart- Pacific Crest Constr. K5480600 2 18-OT2432-B An3 CAL HIP SCISSOR 1 Job Reference (optional)

Precision Truss & Lumber, Inc.

CLACKAMAS, OR - 97015.

8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:10 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-iHGB28w\_ml0qJuLz8mwGZDNtvm?O9MNDnUNZWMyBQsF





4-5-5	9-5-5 3-2	-12 3-10-15 3-10	-15 3-2-12	9-5-5	9-4-11	
	:0-3-8,0-2-0], [2:0-2-0,0-2-0], [3:0-5-0,0-	3-12], [6:0-2-12,0-3-12],	[12:0-0-11,0-4-13], [15:0-4	-0,0-2-0], [16:0-4-0,0	0-4-4], [18:0-5-0,0-4-0], [19:0	-4-0,0-2-0],
[20	0:0-3-8,0-2-12], [21:0-3-2,0-2-12]					
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2015/TPI2014	CSI. TC 0.82 BC 0.87 WB 0.96 Matrix-R	DEFL. in Vert(LL) -0.86 Vert(CT) -1.24 1: Horz(CT) 0.58 Wind(LL) 0.41	(loc) I/defl L/. 16 >652 36: 3-15 >454 24: 12 n/a n/: 16 >999 24:	0 MT20 0 M18SHS a	GRIP 185/148 185/148 FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

City of Portland

WEBS

REVI

37-7-5

1 Row at midpt

47-0-0

Structural wood sheathing directly applied or 2-2-0 oc purlins, except

8-15

2-0-0 oc purlins (2-11-10 max.): 3-6.

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

17-1-6 21-0-5 24-11-4 28-2-0

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E \*Except\*

4-5-5

9-12: 2x6 DF 2500F 2.2E

BOT CHORD 2x6 DF 1800F 1.6E

2x4 HF Std \*Except\* WEBS

1-20: 2x4 DF No.2, 1-21: 2x6 DF 1800F 1.6E

SLIDER Right 2x6 DF No.2 3-3-0

REACTIONS. (lb/size) 21=2148/0-5-8, 12=2111/0-5-8

Max Horz 21=-176(LC 15)

Max Uplift 21=-453(LC 10), 12=-458(LC 11) Max Grav 21=2886(LC 32), 12=2718(LC 32)

13-10-10

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-2=-4582/926, 2-3=-6852/1716, 3-5=-7389/1966, 5-6=-7986/2032, 6-8=-7692/1839, TOP CHORD

8-10=-8684/1699, 10-12=-8480/1697

BOT CHORD

19-20=-1277/5786, 18-19=-1501/6432, 17-18=-1843/8144, 16-17=-1843/8144, 15-16=-1550/7367, 13-15=-1620/8431, 12-13=-1506/7781 
1-20=-850/4415, 2-20=-2221/640, 2-19=-270/976, 3-19=-111/423, 5-18=-1280/433,

5-17=0/341, 5-16=-795/282, 6-15=-12/793, 8-15=-1199/303, 8-13=-214/359,

10-13=-40/571, 1-21=-2852/612, 3-18=-535/1755, 6-16=-441/1307

## NOTES-

**WEBS** 

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 5-2-2 to 10-4-7, Interior(1) 10-4-7 to 21-10-3, Exterior(2) 19-2-13 to 26-6-15, Interior(1) 26-6-15 to 32-8-9, Exterior(2) 30-1-3 to 37-5-6, Interior(1) 37-5-6 to 51-10-11 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) Unbalanced snow loads have been considered for this design.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Bearing at joint(s) 21, 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 21=453, 12=458,
- 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord

GISTERED PROFE

EXPIRES: 06-30-2019 December 7,2018

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 property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

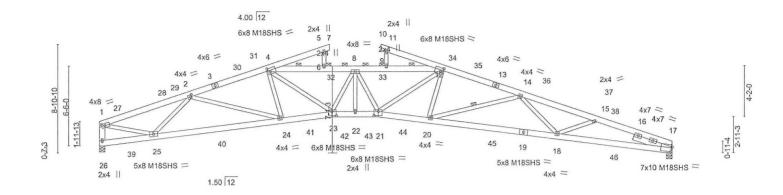
ANSITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Ply Sacred Heart- Pacific Crest Constr. Truss Type Qtv Truss K5480601 18-OT2432-B A04 CAL HIP SCISSOR 2 Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:12 2018 Page 1 Precision Truss & Lumber, Inc. CLACKAMAS OR - 97015 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-efOyTpyFHNGYZCVLFBzkeeSEVaiddGoWEnsgbEyBQsD 21-0-5 23-4-5 28-3-12



Scale = 1:90.1



-	4-5-5 4-5-5	13-10-10 9-5-5		19-1-6 5-2-12	21-0-5 22-11-4				-7-5 -5-5	· -	47-0-0 9-4-11	-
Plate Offsets (X,Y)	[1:0-3-4	,0-2-0], [2:0-1-4,0-2-	0], [4:0-2-8,0	0-3-12], [12:0	-2-8,0-3-12], [1	7:0-0-11,0-4-13	3], [21:0-	4-4,0-4	-4], [23:0	-4-4,0-4-4]		
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 7.0 BCLL 0.0 * BCDL 10.0		SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IBC2015/TP	2-0-0 1.15 1.15 YES I2014	CSI. TC BC WB Matri	0.75 0.82 0.90 k-R	DEFL. Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.85 -1.21 0.57 0.37	(loc) 21 21 17 21	I/defl >660 >463 n/a >999	L/d 360 240 n/a 240	PLATES MT20 M18SHS Weight: 316 lb	<b>GRIP</b> 185/148 185/148 FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

WEBS

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E \*Except\*

13-17: 2x6 DF 2500F 2.2E

BOT CHORD 2x6 DF 1800F 1.6E

WEBS 2x4 HF Std \*Except\*

1-25,12-21,4-23: 2x4 DF No.2, 1-26: 2x6 DF 1800F 1.6E

SLIDER Right 2x6 DF No.2 3-3-0

REACTIONS. (lb/size) 26=1993/0-5-8, 17=1987/0-5-8

Max Horz 26=-191(LC 15)

Max Uplift 26=-361(LC 10), 17=-385(LC 11) Max Grav 26=2694(LC 32), 17=2549(LC 32)

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

TOP CHORD 1-2=-4333/539, 2-4=-6410/955, 4-6=-7919/1322, 6-8=-7920/1323, 8-9=-8212/1379,

9-12=-8212/1378, 12-14=-7200/1082, 14-15=-8170/1107, 15-17=-7926/1178

BOT CHORD 24-25=-742/5465, 23-24=-696/6021, 22-23=-1151/8374, 21-22=-1151/8374,

20-21=-848/6898, 18-20=-1016/7938, 17-18=-1032/7271

WEBS 1-25=-473/4179, 2-25=-2085/432, 2-24=-56/707, 4-24=-55/326, 8-23=-1018/252,

8-22=0/269, 8-21=-623/173, 12-20=-27/732, 14-20=-1177/322, 14-18=-217/377,

15-18=0/550, 1-26=-2663/388, 12-21=-364/1757, 4-23=-476/2506

### NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 5-2-2 to 10-4-7, Interior(1) 10-4-7 to 23-10-3, Exterior(2) 23-4-15 to 35-5-6, Interior(1) 35-5-6 to 51-10-11 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) Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Bearing at joint(s) 26, 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 26=361, 17=385.
- 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

SETENGINEER SOUTH AND M. KOMMICH

EXPIRES: 06-30-2019 December 7,2018

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 als 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

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.



Structural wood sheathing directly applied or 2-5-1 oc purlins, except

4-6, 9-12

14-20

2-0-0 oc purlins (2-8-2 max.): 4-12. Except:

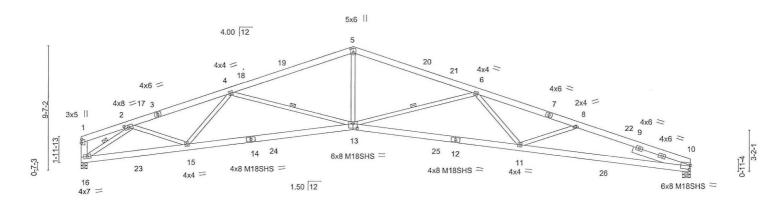
Rigid ceiling directly applied or 6-0-0 oc bracing.

1 Row at midpt

1 Row at midpt

Job	Truss			Truss Type			Qty	Ply	Sacred Heart- F	Pacific Crest Co	onstr.			
18-OT2432-B	A05			Scissor			10	1					ŀ	(5480602
1									Job Reference (	(optional)				
Precision Truss & Lumber, Ir	1C.,	CLACKAMAS	S, OR - 9	97015,				3.220 s No	ov 16 2018 MiTek	Industries, Inc	. Fri Dec	7 07:11:	13 2018 F	age 1
						ID:3zWog0	NpzQ0Bi	6J_Hmq	9nJyLrA6syKh9	zt2gPPAM3Yp	vUzBr?QZ	4_MkPt	TRcD7hy	BQsC
3-10-133-10-1	4	11-6-13		21-0-5	1	30-5-13		30-10-7	38-1-12	1 41-4-7	1 47-	0-0	T	
3-10-13 0-0-1	1	7-7-15	1	9-5-8	1	9-5-8		0-4-10	7-3-5	3-2-11	5-	7-9		

Scale = 1:85.2



	8-2-3 8-2-3	21-0-5 12-10-2		30-10-7 9-10-2	33-10-7	41-4-7 7-6-0	47-0-0 5-7-9	——
Plate Offsets (X,Y)-		0-3-12,0-2-0], [5:0-4-0,				, , , ,	01-0	
LOADING         (psf)           TCLL         25.0           (Roof Snow=25.0)         7.0           TCDL         7.0           BCLL         0.0           BCDL         10.0	SPACIN Plate Gri Lumber I Rep Stre Code IB	p DOL 1.15 DOL 1.15	CSI. TC 0.66 BC 0.68 WB 0.87 Matrix-R	DEFL. Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in (loc) l/defl -0.52 11-13 >999 -0.93 11-13 >605 0.39 10 n/a 0.34 11-13 >999	L/d 360 240 n/a 240	PLATES MT20 M18SHS Weight: 277 lb	GRIP 185/148 185/148 FT = 0%

**BOT CHORD** 

**WEBS** 

LUMBER-**BRACING-**TOP CHORD

TOP CHORD 2x6 DF 1800F 1.6E BOT CHORD 2x6 DF 1800F 1.6E **WEBS** 

2x4 HF Std \*Except\* 5-13: 2x4 DF No.2, 1-16: 2x6 DF 1800F 1.6E

SLIDER Right 2x6 DF No.2 4-6-12

REACTIONS. (lb/size) 16=1962/0-5-8, 10=1962/0-7-4

Max Horz 16=-173(LC 15)

Max Uplift 16=-330(LC 10), 10=-360(LC 11)

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

TOP CHORD 1-2=-364/64, 2-4=-4192/643, 4-5=-4246/649, 5-6=-4248/645, 6-8=-5901/961,

8-10=-6219/1154, 1-16=-282/55

15-16=-504/2708, 13-15=-688/4338, 11-13=-767/5382, 10-11=-1002/5744 **BOT CHORD WEBS** 

2-15=-58/1343, 4-15=-631/234, 5-13=-147/2003, 4-13=-681/337, 8-11=-132/286,

6-13=-1652/511, 6-11=0/584, 2-16=-3098/594

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; umber MWFRS (envelope) gable end zone and C-C Exterior(2) 5-2-2 to 10-4-7, Interior(1) 10-4-7 to 25-11-11, Exterior(2) 25-11-11 to 31-2-0, Interior(1) 31-2-0 to 51-10-11 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions and process of the second and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-10, Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
   Unbalanced snow loads have been considered for this design.
- 4) All plates are MT20 plates unless otherwise indicated.
- 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) Bearing at joint(s) 16, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
- 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.



except end verticals

1 Row at midpt

Structural wood sheathing directly applied or 2-8-12 oc purlins,

4-13, 6-13, 2-16

Rigid ceiling directly applied or 9-3-0 oc bracing.



EXPIRES: 06-30-2019 December 7,2018

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ANSITPI1 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 Sacred Heart- Pacific Crest Constr. Job Truss Type Qtv Truss . K5480603 18-OT2432-B A06 SCISSORS 6 2 Job Reference (optional) CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:15 2018 Page 1 Precision Truss & Lumber, Inc. ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-2E446r\_7alf7QgDwxKWRGG4lcniGqdfywl5KBZyBQsA 30-10-7 1-3-6 3-10-13 11-6-13 21-0-5 29-7-1 38-1-12 41-4-7 47-0-0

8-6-12

7-3-5

3-2-11

Structural wood sheathing directly applied or 4-6-8 oc purlins,

6-16

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

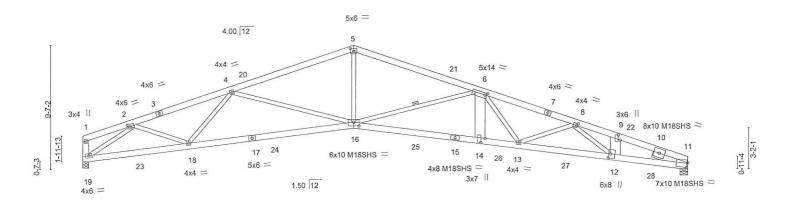
except end verticals.

1 Row at midpt

5-7-9

9-5-8

Scale = 1:85.4



	8	-2-3	21-0-5	j		30-10-7		33-1	0-7	41-4-7	47-0-0	
	8	-2-3	12-10-	2	1	9-10-2		3-0	i-O '	7-6-0	5-7-9	1
Plate Offse	ets (X.Y) [2	2:0-2-4,0-2-0], [5:0-3-0,0-2	-121. [6:0-1-14	4.0-2-01. [8:0-0	0-12.0-2-01.	[9:0-4-13.0-1-14]	. [11:0-0	-11.0-4	-131, [12:	0-4-0.0-1-121	. [14:0-3-15.0-3-14]. [	16:0-5-0
		)-3-8]	, [	.,], [	- ,- , 1,	L			27. 2		,	
		T		T								
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	25.0				0.70			1			MT20	
(Roof Snov	2F (1)	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.55	14-16	>999	360	MIZU	185/148
	,	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.93	14-16	>606	240	M18SHS	220/195
TCDL	7.0	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.41	11	n/a	n/a		
BCLL	0.0 *			1		Wind(LL)		14	>999	240	Weight: 597 lb	FT = 0%
BCDL	10.0	Code IBC2015/TF	12014	Matrix	-17	vvind(LL)	0.40	14	-599	240	weight. 597 lb	F1 - U%

BRACING-

TOP CHORD

BOT CHORD

WFBS

LUMBER-TOP CHORD 2x6 DF 1800F 1.6E \*Except\*

7-11: 2x6 DF 2500F 2.2E **BOT CHORD** 2x6 DF 1800F 1.6E

3-10-13

7-8-0

2x4 HF Std \*Except\* WEBS

4-16,5-16,6-16: 2x4 DF No.2, 1-19: 2x6 DF 1800F 1.6E

9-12.6-14: 2x10 DF No.2

SLIDER Right 2x6 DF No.2 2-9-15

(lb/size) 19=2973/0-5-8, 11=4726/0-7-4 REACTIONS.

Max Horz 19=-173(LC 11)

Max Uplift 19=-549(LC 6), 11=-960(LC 7)

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

1-2=-525/82, 2-4=-6727/1194, 4-5=-7975/1442, 5-6=-7979/1430, 6-8=-14757/2911 TOP CHORD

8-9=-13574/2776, 9-11=-14370/2871, 1-19=-391/70

**BOT CHORD** 18-19=-819/4167, 16-18=-1314/7216, 14-16=-2488/13398, 13-14=-2480/13372,

12-13=-2938/14859, 11-12=-2589/13151

2-18=-265/2386, 4-18=-1346/386, 4-16=-145/869, 5-16=-652/4323, 6-16=-6216/1478, WEBS 6-13=-202/976, 8-13=-953/362, 2-19=-4789/957, 9-12=-298/1944, 8-12=-2246/456,

#### 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 0-7-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x10 - 2 rows staggered 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=130mph (3-second gust) Vasd=103mph; 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) Unbalanced snow loads have been considered for this design.
- 6) All plates are MT20 plates unless otherwise indicated.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Bearing at joint(s) 19, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

Continued on page 2

COSTERED PROFE

EXPIRES: 06-30-2019 December 7,2018

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 MITe&0 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.



Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	A06	SCISSORS	6	0	K5480603
1	7.00	00.000110		2	Job Reference (optional)

Precision Truss & Lumber, Inc.,

CLACKAMAS OR - 97015

8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:15 2018 Page 2 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-2E446r\_7aIf7QgDwxKWRGG4lcniGqdfywl5KBZyBQsA

- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=549, 11=960.
- 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) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2292 lb down and 456 lb up at 35-9-13, and 917 lb down and 182 lb up at 46-3-13 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

#### LOAD CASE(S) Standard

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

Vert: 1-5=-64, 5-6=-64, 6-22=-139(F=-75), 11-22=-64, 16-19=-20, 11-16=-20

Concentrated Loads (lb) Vert: 12=-840(F) 14=-2100(F)





Qty Sacred Heart- Pacific Crest Constr. Joh Truss Type Ply Truss . K5480604 18-OT2432-B A07 Scissor 8 Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:16 2018 Page 1 Precision Truss & Lumber, Inc. CLACKAMAS, OR - 97015, ID:3zWog0NpzQ0Bu6J Hmq9nJyLrA -WRdSJB?ILbn\_1po7U11goUd?dB7SZ7x59Pquk?yBQs9 30-10-7 30-8-14 1-1-13 3-10-13 11-6-13 3-10-13 0-0-1 7-7-15 9-5-8 8-6-12 0-1-9 Scale = 1:56.4 5x6 = 4.00 12 15 4x8 = 3x4 = 6 4x6 = 8-11-15 3 4x4 \\ 3x4 6x8 = 18 9 3x5 = 5x6 = 17 3x4 = 1.50 12 11 4x5 = 30-10-7 0-1-9 21-0-5 30-8-14 9-8-9 12-10-2 8-2-3 Plate Offsets (X,Y)--[2:0-1-8,0-0-12], [5:0-3-0,0-3-4], [6:0-5-4,0-0-12], [7:0-2-4,0-1-8], [8:0-4-0,0-3-8], [11:0-2-0,0-1-12] LOADING (psf) 2-0-0 DEFL. L/d **PLATES** GRIP SPACING-CSI I/defl 25.0 TCII Plate Grip DOL 1.15 TC 0.42 Vert(LL) -0.29 8-10 >999 360 MT20 185/148 (Roof Snow=25.0) Lumber DOL 1.15 BC 0.57 Vert(CT) -0.488-10 >759 240 TCDL 70 WB Horz(CT) 0.07 Rep Stress Incr YES 0.76 n/a n/a 0.0 \* BCLL Code IBC2015/TPI2014 Matrix-R Wind(LL) 0.08 8-10 >999 240 Weight: 191 lb FT = 0%BCDI 10.0 LUMBER-BRACING-2x6 DF 1800F 1.6E 2x6 DF 1800F 1.6E TOP CHORD TOP CHORD Structural wood sheathing directly applied or 5-9-2 oc purlins, **BOT CHORD** except end verticals. 2x4 HF Std \*Except\* **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1-11,6-7: 2x6 DF 1800F 1.6E **WEBS** 1 Row at midpt 4-8 REACTIONS. (lb/size) 7=1272/Mechanical, 11=1272/0-5-8 Max Horz 11=156(LC 11) Max Uplift 7=-199(LC 11), 11=-242(LC 10) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-2=-310/47, 2-4=-2459/444, 4-5=-1688/316, 5-6=-1687/332, 6-7=-1200/291 TOP CHORD **BOT CHORD** 10-11=-478/1718, 8-10=-544/2366 2-10=0/612, 4-10=-109/307, 5-8=0/530, 6-8=-234/1434, 4-8=-930/371, 2-11=-1962/462 WFBS 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 5-2-2 to 8-6-8, Interior(1) 8-6-8 to 25-11-11, Exterior(2) 25-11-11 to 29-6-8, Interior(1) 29-6-8 to 35-5-8 zone; cantilever left and right exposed; end vertical left and right exposed; C 5 from the control of the control o NOTES-Interior(1) 29-6-8 to 35-5-8 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 grip DOL=1.60 COSTERED PROFE 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00 3) Unbalanced snow loads have been considered for this design. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members. 6) Refer to girder(s) for truss to truss connections. 7) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=199, 11=242. 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

> KOMNICH EXPIRES: 06-30-2019 December 7,2018

M.

**OREGON** 

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

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the Bottom Chord, nonconcurrent with any other live loads.



Qty Ply Sacred Heart-Pacific Crest Constr. Job Truss Truss Type K5480605 18-OT2432-B C01 Roof Special 1 Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:16 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-WRdSJB?lLbn\_1po7U11goUd5eBEVZIW59Pquk?yBQs9 Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015. 1-9-1 1-9-1 4.00 12 Scale = 1:10.5 2×3 3x7 || 1-6-4 0-11-4 1.50 12 2x3 || 1-9-1 1-9-1 LOADING (psf) **PLATES** GRIP SPACING-2-0-0 CSI. DEFL. (loc) I/defl L/d 25.0 TCLL Plate Grip DOL 0.03 Vert(LL) -0.00 >999 360 MT20 185/148 1.15 TC 3-4 (Roof Snow=25.0) BC Vert(CT) -0.00 3-4 >999 240 Lumber DOL 1.15 0.12 TCDL 70 Rep Stress Incr WB 0.02 Horz(CT) -0.00 3 n/a YES n/a BCLL 0.0 240 FT = 0% Code IBC2015/TPI2014 Matrix-R Wind(LL) 0.00 4 >999 Weight: 8 lb BCDI 10.0

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E BOT CHORD 2x4 DF No.2 **WEBS** 

2x6 DF No.2 \*Except\*

2-3: 2x4 HF Std

REACTIONS. (lb/size). 4=58/0-7-4, 3=58/Mechanical

Max Horz 4=26(LC 11)

Max Uplift 4=-4(LC 10), 3=-22(LC 14)

Max Grav 4=273(LC 28), 3=273(LC 29)

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

JAN 2 G

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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 an exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DФL=1.60

2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00 3) Unbalanced snow loads have been considered for this design.

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

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

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

7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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

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

except end verticals.

Structural wood sheathing directly applied or 1-10-3 oc purlins,

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



EXPIRES: 06-30-2019 December 7,2018

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 MiTe&0 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

ANSITP11 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 Sacred Heart- Pacific Crest Constr. Joh Truss Truss Type Qty ▼ K5480606 18-OT2432-B C02 Roof Special 1 Job Reference (optional) Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:17 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-?dBrWX0N6vvrfzNJ2kZvLh9FNbWJIIUFO3aRGSyBQs8 3-9-1 Scale = 1:13.8 4.00 12 2x3 3x7 || 0-11-4 2x3 || 1.50 12 3-9-1 LOADING (psf) SPACING-DEFL. **PLATES** GRIP 2-0-0 CSI. I/defI L/d (loc) TCLL 25.0 360 185/148 Plate Grip DOL 1.15 TC 0.10 Vert(LL) -0.02>999 MT20 (Roof Snow=25.0) 0.34 Vert(CT) 240 Lumber DOL 1.15 BC -0.03>999 TCDL 70 WB 0.04 Horz(CT) -0.00 3 n/a Rep Stress Incr YES n/a BCLL 0.0 Code IBC2015/TPI2014 Matrix-R Wind(LL) 0.00 3-4 >999 240 Weight: 16 lb FT = 0% BCDI 10.0 LUMBER-BRACING-TOP CHORD 2x6 DF 1800F 1.6E TOP CHORD Structural wood sheathing directly applied or 3-10-3 oc purlins, **BOT CHORD** 2x4 DF No.2 except end verticals. **WEBS** 2x6 DF No.2 \*Except\* **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing. 2-3: 2x4 HF Std REACTIONS. (lb/size) 4=142/0-7-4, 3=142/Mechanical Max Horz 4=43(LC 11) Max Uplift 4=-16(LC 10), 3=-46(LC 14) Max Grav 4=307(LC 28), 3=307(LC 29) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

### NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 3-7-5 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) Unbalanced snow loads have been considered for this design.

- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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

7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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

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: 06-30-2019 December 7,2018

🛕 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

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Job Truss Truss Type Qty Ply Sacred Heart- Pacific Crest Constr. K5480607 18-OT2432-B C03 Roof Special 6 Job Reference (optional) Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:18 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-TplDkt1?tD1iH7yVcS48uviPy?oI1CUOdjJ\_ouyBQs7 5-9-1 5-9-1 Scale = 1:17.5 2x3 || 2 4.00 12 3x9 || 0-11-4 2x3 || 1.50 12 5-9-1 Plate Offsets (X,Y)--[1:0-0-15,0-2-12], [1:0-1-15,0-2-0], [4:0-0-5,0-2-12] LOADING (psf) SPACING-GRIP 2-0-0 CSI. DEFL I/def L/d **PLATES** (loc) TCLL 25.0 Plate Grip DOL 0.17 -0.10 1.15 TC Vert(LL) 3-4 >661 360 MT20 185/148 (Roof Snow=25.0) Lumber DOL BC 0.61 Vert(CT) -0.13 240 1.15 3-4 >511 TCDL 7.0 Rep Stress Incr YES WB 0.05 Horz(CT) -0.003 n/a n/a BCLL 0.0 \* Code IBC2015/TPI2014 Weight: 24 lb FT = 0%3-4 >999 240 Matrix-R Wind(LL) 0.02 BCD LUMBER-BRACING-TOP CHORD 2x6 DF 1800F 1.6E TOP CHORD Structural wood sheathing directly applied or 5-10-3 oc purlins, 2x4 DF No.2 **BOT CHORD** except end verticals. WEBS 2x6 DF No.2 \*Except\* BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. 2-3: 2x4 HF Std City of Portland REACTIONS. (lb/size) 4=226/0-7-4, 3=226/Mechanical Max Horz 4=61(LC 11) Max Uplift 4=-30(LC 10), 3=-69(LC 14) Max Grav 4=341(LC 28), 3=341(LC 29) JAN 2 9 2019 FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II., Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 5-7-5 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) Unbalanced snow loads have been considered for this design. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members. 6) Refer to girder(s) for truss to truss connections. 7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

> EXPIRES: 06-30-2019 December 7,2018

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

the Bottom Chord, nonconcurrent with any other live loads.

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



Job	Truss	Truss Type		Qty	Ply	Sacred Heart- Pacific	Crest Constr.	
18-OT2432-B	C04	Roof Special		6	1			K5480608
						Job Reference (option		
Precision Truss & Lumber,	Inc., CLACKAMAS, OR -	97015,		Nog0Npz	8.220 s No Q0Bu6J_F	ov 16 2018 MiTek Indu: Imq9nJyLrATplDkt1?	stries, Inc. Fri Dec 7 tD1iH7yVcS48uviOW	07:11:18 2018 Page 1 ?k31ClOdjJ_ouyBQs7
			7-9-1 7-9-1				$\dashv$	
						24 11		Scale = 1:21.0
						3x4    2		55415
			4.00 12		7		<del> </del>	
							]	
			6				, o	
		5	// /				2-7-9	
9	7							
	3x7	////						
	1					•	<b>4</b>	
	4					3		7
	6-11-0		8			3x4 II	0-10-9	0-10-12
								0
			_					
	4		1.50 12					
			7-9-1					
Plata Offacta (V.V.) [3:	0 2 0 0 1 41		7-9-1				7	
Plate Offsets (X,Y) [3:	0-2-0,0-1-4]							
TCLL 25.0		0-0 <b>CSI.</b> .15 TC 0.2	DEFL. Vert(LI		in (loc) 22 3-4	l/defl L/d >398 360	PLATES MT20	<b>GRIP</b> 220/195
(Roof Snow=25.0) TCDL 7.0	10000000000000000000000000000000000000	.15 BC 0.8 ES WB 0.0	The second secon			>294 240 n/a n/a		
BCLL 0.0 * BCDL 10.0	Code IBC2015/TPI201		Wind(L			>999 240	Weight: 33 lb	FT = 0%
LUMBER-	<u> </u>	•	BRACIN					
TOP CHORD 2x6 DF 18 BOT CHORD 2x4 DF No			TOP CH	ORD		al wood sheathing dir end verticals.	ectly applied or 6-0-	0 oc purlins,
WEBS 2x6 DF 18	800F 1.6E *Except*		вот сн	ORD		iling directly applied of	or 8-3-12 oc bracing.	
1-4: 2x6 D							100	
	3=306/Mechanical, 4=306/0 4=112(LC 11)	-7-4					1200	
	t 3=-78(LC 10), 4=-55(LC 10) 3=374(LC 29), 4=374(LC 28					/3	S Suy	
		•				/20	2 3	/ >
TOP CHORD 1-4=-268	mp./Max. Ten All forces 25 3/142	J (lb) or less except when	shown.					
NOTES-						1523	et al	
1) Wind: ASCE 7-10; Vult-	=130mph (3-second gust) Va- ble end zone and C-C Exterio					nclosed:	Mr. 13	\$/
exposed; end vertical le	eft and right exposed;C-C for						181	/
grip DOL=1.60 2) TCLL: ASCE 7-10; Pf=2	25.0 psf (flat roof snow); Cate	gory II; Exp B; Partially Ex	p.; Ct=1.00				/20/	
	s have been considered for the signed for a 10.0 psf bottom of		ent with any other live	loads.			\//_	
5) * This truss has been de	esigned for a live load of 20.0	psf on the bottom chord in			6-0 tall by	2-0-0 wide	ERE	D PROFFE
6) Refer to girder(s) for tru							SILEN	GINEE
<ol><li>Bearing at joint(s) 4 cor capacity of bearing surf</li></ol>	nsiders parallel to grain value ace.	using ANSI/TPI 1 angle to	grain formula. Buildi	ng desigr	ner should	verify	47	7 / 3/
8) Provide mechanical cor	nnection (by others) of truss to						86	5809PE
	signed for a moving concentra concurrent with any other live		cated at all mid panels	s and at a	aii panei p	oints along	1////	
							Michael	
							1000	REGON N
							13.00	10. 20/10
							10	M. KOMM

**EXPIRES: 06-30-2019** December 7,2018

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

ANSI/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 Ply Truss Type Qty Sacred Heart-Pacific Crest Constr. K5480609 18-OT2432-B C05 ROOF SPECIAL 6 1 Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:19 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_x0JbxD1eeW9ZuHXiA9bNQ6FXSO3LmfXXrN3YKKyBQs6 Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 9-9-1 Scale = 1:24.7 4x8 M18SHS II 2 4.00 12 5x7 || 1-1-12 0-11-4 3x6 = 9 1.50 12 9-9-1 Plate Offsets (X,Y)--[2:Edge,0-2-12], [3:Edge,0-1-8] LOADING (psf) SPACING-2-0-0 CSI. DEFL. (loc) I/defl I/d **PLATES** GRIP TCLL 25.0 220/195 Plate Grip DOL 1.15 TC 0.38 Vert(LL) -0.25 3-4 >450 360 MT20 (Roof Snow=25.0) 0.94 Vert(CT) -0.35 240 M18SHS 220/195 Lumber DOL 1.15 BC 3-4 >320 TCDL 7.0 Rep Stress Incr YES WB 0.00 Horz(CT) 0.00 3 n/a n/a BCLL 0.0 Code IBC2015/TPI2014 Matrix-R Wind(LL) 0.03 3-4 >999 240 Weight: 41 lb FT = 0% BCDL 10.0 LUMBER-BRACING-TOP CHORD 2x6 DF 1800F 1.6E TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, **BOT CHORD** 2x4 DF No.2 except end verticals. 2x6 DF 1800F 1.6E \*Except\* **WEBS BOT CHORD** Rigid ceiling directly applied or 2-2-0 oc bracing. 1-4: 2x6 DF No.2 City of Portland REACTIONS. (lb/size) 3=390/Mechanical, 4=390/0-7-4 WED FOR CODE OMPLIANCE Max Horz 4=109(LC 10) Max Uplift 3=-113(LC 10), 4=-57(LC 10) Max Grav 3=447(LC 20), 4=408(LC 28) JAN 2 9 2019 FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-418/34, 2-3=-295/181, 1-4=-372/149 **BOT CHORD** 3-4=-104/334 Permit Number NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 9-6-5 zone; cantilever left and right exposed; end vertical left 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) Unbalanced snow loads have been considered for this design.
- 4) All plates are MT20 plates unless otherwise indicated.
- 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) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=113.
- 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.

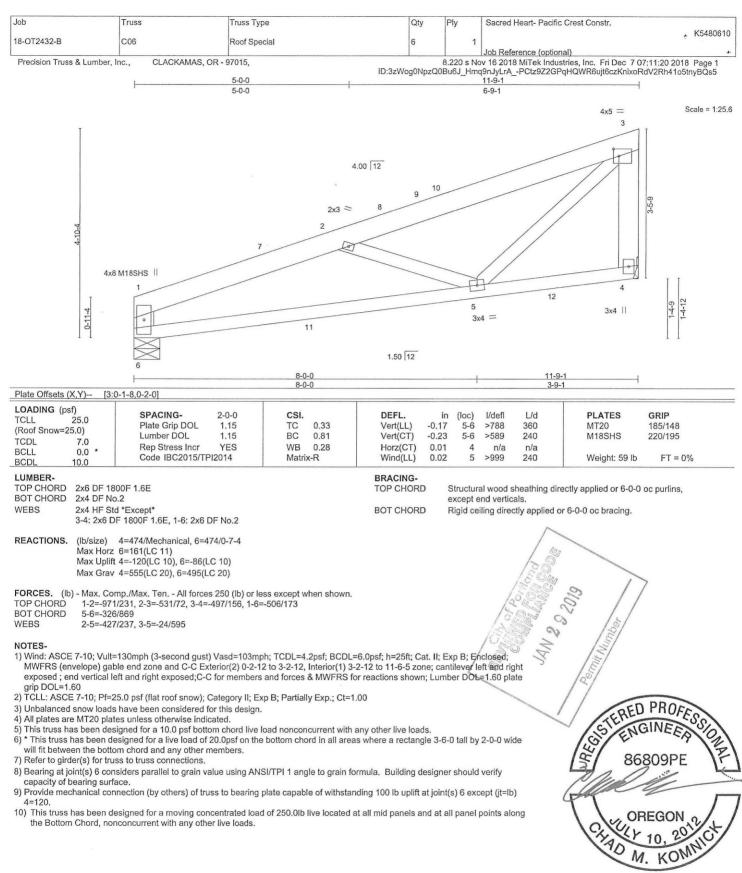


EXPIRES: 06-30-2019 December 7,2018

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





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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 Sacred Heart- Pacific Crest Constr. K5480611 18-OT2432-B C07 Roof Special Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:21 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-tORLMu3uA7PH8bh4HadrVXKtHCnzETrqJhYfPDyBQs4 Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015. 13-9-1 Scale = 1:28.8 4x4 = 3 4.00 12 2x3 💉 8 3-10-9 6x7 || 4 11 2x4 || 1-7-9 0-11-4 3x4 = 10 1 50 12 13-9-1 10-0-0 3-9-1 [1:0-0-15,0-2-12], [3:0-1-12,0-1-12], [6:0-0-6,0-2-12] Plate Offsets (X,Y)--LOADING (psf) SPACING-2-0-0 CSI. DEFL in L/d **PLATES** GRIP (loc) I/defl TCLL 25.0 Plate Grip DOL 1.15 TC 0.36 Vert(LL) -0.30 5-6 >538 360 185/148 MT20 (Roof Snow=25.0) Lumber DOL 1.15 BC 0.80 Vert(CT) -0.42 5-6 >378 240 TCDI 7.0 Rep Stress Incr WB YES 0.40 Horz(CT) 0.01 4 n/a n/a BCLL 0.0 Code IBC2015/TPI2014 Matrix-R Wind(LL) 5-6 240 Weight: 66 lb FT = 0%0.02 >999 BCDI 10.0 LUMBER-BRACING-TOP CHORD 2x6 DF 1800F 1.6E TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, **BOT CHORD** 2x4 DF No.1&Btr except end verticals. WEBS 2x4 HF Std \*Except\* **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing. 3-4: 2x6 DF 1800F 1.6E, 1-6: 2x6 DF No.2 REACTIONS. (lb/size) 4=558/Mechanical, 6=558/0-7-4

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Permit Number

Max Horz 6=185(LC 11)

Max Uplift 4=-142(LC 14), 6=-102(LC 10)

Max Grav 4=664(LC 20), 6=585(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-1094/228, 2-3=-695/121, 3-4=-635/145, 1-6=-593/194

**BOT CHORD** 5-6=-280/974

WEBS 2-5=-496/246, 3-5=-119/778

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 13-6-5 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) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections
- 7) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=142, 6=102,
- 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: 06-30-2019 December 7,2018

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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.



Qty Job Ply Sacred Heart-Pacific Crest Constr. Truss Truss Type K5480612 18-OT2432-B C08 Roof Special 6 Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:21 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-tORLMu3uA7PH8bh4HadrVXKu4CnaESUqJhYfPDyBQs4 Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015. 15-9-1 8-0-0 7-9-1 Scale: 3/8"=1" 4x6 = 4.00 12 2x3 📏 4 6x7 || 11 3x4 || 1-10-12 1-10-9 0-11-4 3x4 = 10 1.50 12 10-0-0 15-9-1 Plate Offsets (X,Y)--[3:0-2-0,0-2-0], [4:0-1-14,0-0-12] LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) I/defl L/d PLATES GRIP 25.0 TCLL 0.31 -0.31 >599 Plate Grip DOL 1 15 TC Vert(LL) 5-6 360 MT20 185/148 (Roof Snow=25.0) Lumber DOL 1.15 BC 0.83 -0.435-6 >426 240 Vert(CT) TCDL 7.0 Rep Stress Incr YES WB 0.48 Horz(CT) 0.02 4 n/a n/a BCLL 0.0 \* Code IBC2015/TPI2014 5 >999 240 Weight: 77 lb FT = 0%Matrix-R Wind(LL) 0.04 BCDL 10.0 LUMBER-BRACING-Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD 2x6 DF 1800F 1.6E TOP CHORD **BOT CHORD** 2x4 DF No.1&Btr except end verticals. 2x4 HF Std \*Except\* **BOT CHORD** WEBS Rigid ceiling directly applied or 6-0-0 oc bracing. 3-4: 2x6 DF 1800F 1.6E, 1-6: 2x8 DF No.2 REACTIONS. (lb/size) 4=639/Mechanical, 6=639/0-7-4 Max Horz 6=209(LC 11) Max Uplift 4=-162(LC 14), 6=-117(LC 10) Max Grav 4=769(LC 20), 6=670(LC 20) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-1402/297, 2-3=-996/184, 3-4=-690/178, 1-6=-707/217 **BOT CHORD** 5-6=-351/1261 WEBS 2-5=-512/270, 3-5=-177/948 NOTES-1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-3-10 to 3-3-10, Interior(1) 3-3-10 to 15-6-5 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 STERED PROFESS, 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) Unbalanced snow loads have been considered for this design. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members. 6) Refer to girder(s) for truss to truss connections. 7) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=162, 6=117, 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. KOMNICY Μ.

250 Klug Circle Corona, CA 92880

EXPIRES: 06-30-2019 December 7,2018

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

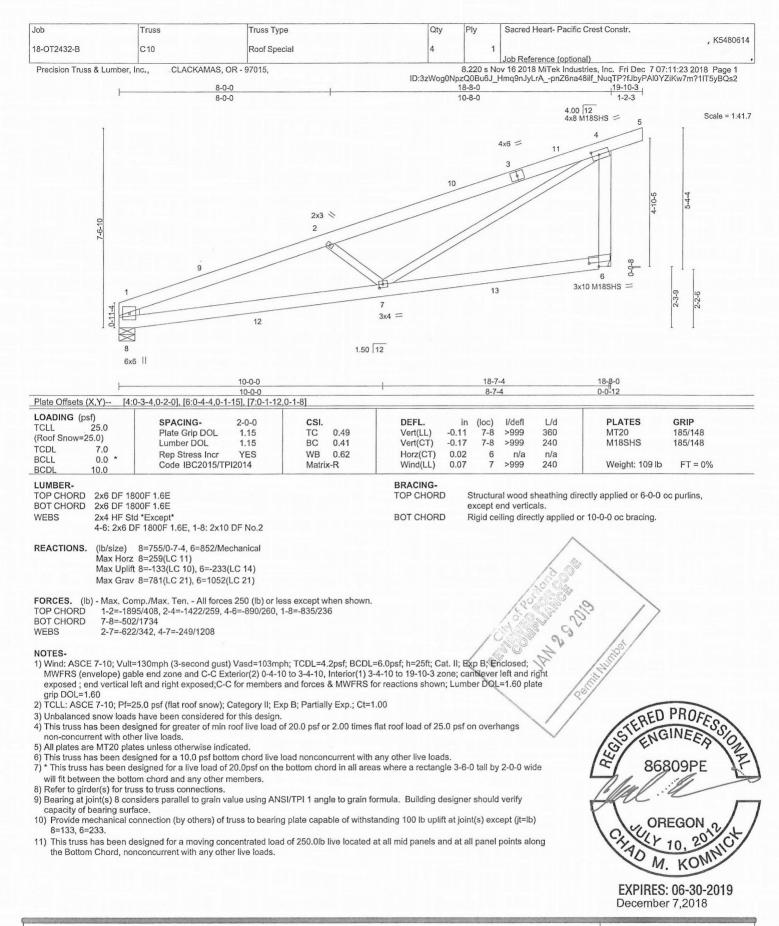
ANSITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314. Job Truss Truss Type Qty Ply Sacred Heart- Pacific Crest Constr. K5480613 18-OT2432-B C09 6 Roof Special Job Reference (optional) Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015. 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:22 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-Lb?kaE4WxRX7mkGGrl842lt0Kc5Vzt9\_XLHCxfyBQs3 8-0-0 17-9-1 8-0-0 9-9-1 Scale = 1:35.5 4x8 = 3 4.00 12 2x3 \ 2 3-10-4 4 5x8 M18SHS || 3x5 = 11 2-1-9 2-1-12 0-11-4 3x4 = 1.50 12 10-0-0 17-9-1 10-0-0 7-9-1 Plate Offsets (X,Y)-[1:0-1-9,0-4-10], [1:0-1-5,0-0-14], [3:Edge,0-2-0], [5:0-1-12,0-1-8], [6:0-0-9,0-4-10] LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) I/defl L/d PLATES GRIP TCLL Plate Grip DOI 1.15 TC -0.31 >661 185/148 0.47 Vert(LL) 5-6 360 MT20 (Roof Snow=25.0) BC Lumber DOL 1.15 0.85 Vert(CT) -0.435-6 >481 240 M18SHS 220/195 TCDL 7.0 Rep Stress Incr YES WR 0.58 Horz(CT) 0.02 n/a nla BCLL 0.0 \* Code IBC2015/TPI2014 Weight: 88 lb FT = 0%Matrix-R Wind(LL) 0.07 5 >999 240 BCDL LUMBER-BRACING-TOP CHORD 2x6 DF 1800F 1.6E TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, 2x4 DF No.1&Btr **BOT CHORD** except end verticals. 2x4 HF Std \*Except\* BOT CHORD WEBS Rigid ceiling directly applied or 9-11-7 oc bracing. 3-4: 2x6 DF 1800F 1.6E. 1-6: 2x10 DF No.2 REACTIONS. (lb/size) 4=720/Mechanical, 6=720/0-7-4 by of Portland Max Horz 6=233(LC 11) Max Uplift 4=-182(LC 14), 6=-133(LC 10) Max Grav 4=875(LC 20), 6=755(LC 20) JAN 2 9 2019 FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-1726/373, 2-3=-1306/249, 3-4=-756/214, 1-6=-822/239 **BOT CHORD** 5-6=-441/1565 **WEBS** 2-5=-543/302, 3-5=-235/1146 Permit Number 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-10 to 3-4-10, Interior(1) 3-4-10 to 17-6-5 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) Unbalanced snow loads have been considered for this design.
- 4) All plates are MT20 plates unless otherwise indicated.
- 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) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=182, 6=133.
- 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.



**EXPIRES: 06-30-2019** December 7,2018







Job Truss Truss Type Qty Ply Sacred Heart- Pacific Crest Constr. K5480615 18-OT2432-B C11 Roof Special 1 Job Reference (optional) Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:24 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-Hz6U\_w5mT2nr?2PfyiBY7AyL3PvWRnFH?fmJ0YyBQs1 8-0-0 18-8-0 21-10-3 8-0-0 10-8-0 3-2-3 4.00 12 4x6 = Scale = 1:41.9 11 4x6 = 4-10-5 2x3 🚿 -2-103x10 M18SHS = 13 2-2-6 3x4 = 1.50 12 5x7 10-0-0 18-8-0 10-0-0 8-8-0 Plate Offsets (X,Y)--[4:0-2-8,0-2-0], [6:0-4-8,0-1-7], [7:0-1-12,0-1-8] LOADING (psf) SPACING-2-0-0 CSI DEFI in (loc) I/defl 1/d PLATES GRIP TCLL 185/148 Plate Grip DOL 1.15 TC 0.45 Vert(LL) -0.117-8 >999 360 MT20 (Roof Snow=25.0) BC 0.36 M18SHS 220/195 Lumber DOL 1.15 Vert(CT) -0.177-8 >999 240 TCDL 7.0 Rep Stress Incr YES WB 0.61 Horz(CT) 0.01 6 n/a n/a BCLL 0.0 Code IBC2015/TPI2014 Matrix-R Wind(LL) 0.07 7 >999 240 Weight: 113 lb FT = 0%BCDI 10.0 LUMBER-BRACING-TOP CHORD 2x6 DF 1800F 1.6E TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, 2x6 DF 1800F 1.6E **BOT CHORD** except end verticals WEBS 2x4 HF Std \*Except\* **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing. 4-6: 2x6 DF 1800F 1.6E, 1-8: 2x10 DF No.2 REACTIONS. (lb/size) 8=738/0-7-4, 6=997/Mechanical Max Horz 8=285(LC 11) Max Uplift 8=-117(LC 10), 6=-298(LC 14) ity of Portland REVI Max Grav 8=742(LC 21), 6=1250(LC 21) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-1739/361, 2-4=-1288/214, 4-6=-1116/408, 1-8=-789/220 JAN 2 9 2019 **BOT CHORD** 7-8=-479/1585 **WEBS** 2-7=-580/338, 4-7=-257/1198

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; Number MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-10 to 3-4-10, Interior(1) 3-4-10 to 21-10-3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00

3) Unbalanced snow loads have been considered for this design.

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

5) All plates are MT20 plates unless otherwise indicated.

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

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

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

9) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=117, 6=298.

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: 06-30-2019 December 7,2018

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.



.Joh Truss Truss Type Qty Ply Sacred Heart- Pacific Crest Constr. K5480616 18-OT2432-B Roof Special Girder 2 Job Reference (optional) Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:25 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-mAgsCG60DMvidC\_rWQingNVXLpBIAFCQEJWsY\_yBQs0 18-8-0 23-1-0 8-0-0 6-4-0 4-4-0 4-5-0 8-0-0 4.00 12 Scale = 1:44.0 4x5 = 4x6 = 3x413 3x4 = 12 18 3x7 = 2-3-10 2-2-7 3x4 16 3x4 = 10 15 2x3 // 1.50 12 6x7 || 5-7-9 10-0-0 14-4-0 18-8-0 5-7-9 4-4-0 4-4-0 4-4-7 Plate Offsets (X,Y)--[2:0-1-12,0-1-8], [5:0-2-0,0-2-0], [7:0-1-8,0-1-8], [8:0-1-12,0-1-8] LOADING (psf) SPACING-DEFL. (loc) **PLATES** GRIP 2-0-0 CSI. I/defl 25.0 TCLL Plate Grip DOL 1.15 TC 0.42 Vert(LL) -0.10 9-10 >999 360 MT20 185/148 (Roof Snow=25.0) Lumber DOL 1.15 BC 0.59 Vert(CT) -0.17 9-10 >999 240 TCDI 70 Rep Stress Incr NO WB 0.57 Horz(CT) 0.02 n/a n/a 0.0 \* BCLL Code IBC2015/TPI2014 Matrix-R Wind(LL) 0.08 9-10 >999 240 Weight: 250 lb FT = 0% BCDL 10.0 LUMBER-**BRACING-**TOP CHORD 2x6 DF 1800F 1.6E 2x6 DF 1800F 1.6E TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, **BOT CHORD** except end verticals. 2x4 HF Std \*Except\* **WEBS BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 5-7: 2x6 DF 1800F 1.6E, 1-11: 2x10 DF SS 6-0-0 oc bracing: 7-8. REACTIONS. (lb/size) 11=1655/0-7-4, 7=1777/Mechanical Max Horz 11=301(LC 7) Max Uplift 11=-307(LC 6), 7=-490(LC 10) Max Grav 11=1655(LC 1), 7=2065(LC 17) FORCES. (lb) - Max. Comp.//Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-4146/797, 2-4=-2939/560, 4-5=-1523/292, 5-7=-2025/526, 1-11=-1653/382 10-11=-900/3802, 9-10=-879/3523, 8-9=-278/1393 BOT CHORD 2-9=-1028/370, 5-8=-538/2221, 2-10=-46/587, 4-8=-1499/419, 4-9=-425/1802 **WEBS** 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, 2x10 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc. COSTERED PROFE 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=130mph (3-second gust) Vasd=103mph; 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 4) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00 5) Unbalanced snow loads have been considered for this design. 6) 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. 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members. 9) Refer to girder(s) for truss to truss connections. 10) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. M 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=307, 7=490. 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 EXPIRES: 06-30-2019 the Bottom Chord, nonconcurrent with any other live loads.

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, rection 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.

13) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.

Continued on page 2



December 7,2018

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.	
18-OT2432-B	C12	Roof Special Girder	4	0		K5480616
,					Job Reference (optional)	

Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015,

8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:25 2018 Page 2 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-mAgsCG6ODMvidC\_rWQingNVXLpBIAFCQEJWsY\_yBQs0

#### NOTES-

14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 868 lb down and 182 lb up at 5-7-9 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

#### LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-12=-64, 12-14=-139(F=-75), 5-14=-64, 5-6=-64, 7-11=-20 Concentrated Loads (lb) Vert: 10=-840(B)

REVIEWED FOR CODE
COMPLIANCE

JAN 2 9 2019



Permit Number

Sacred Heart- Pacific Crest Constr. Job Truss Type Qty Ply Truss K5480617 18-OT2432-B C15 Roof Special Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:25 2018 Page 1 CLACKAMAS, OR - 97015. Precision Truss & Lumber, Inc., ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-mAgsCG6ODMvidC\_rWQingNVbhplHANfQEJWsY\_yBQs0 1-7-11 1-7-11 4.00 12 Scale = 1:14.9 2x3 [] 3x4 || 1-9-12 0-2-4 0-0-11 1.50 12 2x3 || 2x3 || 1-7-11 LOADING (psf) DEFL. **PLATES** GRIP SPACING-2-0-0 CSI. in (loc) I/defl L/d TCLL 25.0 185/148 Plate Grip DOL TC 0.14 Vert(LL) -0.00 3-4 >999 360 1.15 MT20 (Roof Snow=25.0) BC -0.00 240 1.15 0.14 Vert(CT) 3-4 >999 Lumber DOL TCDL 7.0 WB 0.02 -0.00 Rep Stress Incr YES Horz(CT) 3 n/a n/a BCLL 0.0 \* Code IBC2015/TPI2014 FT = 0%Matrix-R Wind(LL) 0.00 4 >999 240 Weight: 9 lb BCDL 10.0 LUMBER-BRACING-2x6 DF 1800F 1.6E TOP CHORD TOP CHORD Structural wood sheathing directly applied or 1-8-13 oc purlins, **BOT CHORD** 2x4 DF No.2 except end verticals. 2x4 HF Std **WEBS BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing. (lb/size) 4=57/0-5-8, 3=57/Mechanical REACTIONS.

Max Horz 4=43(LC 11)

Max Uplift 4=-3(LC 10), 3=-37(LC 11) Max Grav 4=273(LC 28), 3=273(LC 29)

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

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 3.
- 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.



GISTERED

EXPIRES: 06-30-2019 December 7,2018

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 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, crection 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 Truss Type Qty Ply Sacred Heart-Pacific Crest Constr. K5480618 18-OT2432-B C16 Roof Special 1 Job Reference (optional) Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:26 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-EMEEPc71\_g1ZEMZ247D0Cb1okDbPvqcZSzFQ4QyBQs? 3-7-11 3-7-11 Scale = 1:18.4 2x3 || 4.00 12 2 3x4 || 0-10-9 0-5-15 2x3 || 1.50 12 2x4 || 3-7-11 3-7-11 Plate Offsets (X,Y)--[4:0-1-12,0-1-0] LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) I/defl L/d **PLATES** GRIP TCLL 25.0 185/148 Plate Grip DOL 1.15 TC 0.06 Vert(LL) -0.02 3-4 >999 360 MT20 (Roof Snow=25.0) -0.03 Lumber DOL 1.15 BC 0.34 Vert(CT) 3-4 >999 240 TCDL 7.0 Rep Stress Incr WB 0.04 Horz(CT) -0.00 3 YES n/a n/a **BCLL** 0.0 \* Code IBC2015/TPI2014 Matrix-R Wind(LL) 0.01 3-4 >999 240 Weight: 18 lb FT = 0% BCDL 10.0 LUMBER-BRACING-TOP CHORD 2x6 DF 1800F 1.6E TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, **BOT CHORD** 2x4 DF No.2 except end verticals. 2x6 DF 1800F 1.6E \*Except\* **WEBS BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing.

2-3: 2x4 HF Std

REACTIONS. (lb/size) 4=137/0-5-8, 3=137/0-1-8

Max Horz 4=60(LC 11) Max Uplift 4=-9(LC 10), 3=-52(LC 14)

Max Grav 4=306(LC 28), 3=306(LC 29)

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

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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) Unbalanced snow loads have been considered for this design.

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

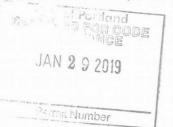
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3.

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

9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.

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.





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Joh Truss Truss Type Qty Ply Sacred Heart- Pacific Crest Constr. , K5480619 18-OT2432-B C17 Roof Special 1 Job Reference (optional) Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:26 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-EMEEPc71\_g1ZEMZ247D0Cb1mRDX8vqNZSzFQ4QyBQs? 5-7-11 Scale = 1:21 8 2x3 || 2 4.00 12 3x5 || 1-2-4 1-9-12 2x3 || 0-5-15 1.50 12 3x4 || 5-7-11 5-7-11 Plate Offsets (X,Y)--[4:0-1-12,0-1-8] LOADING (psf) SPACING-2-0-0 CSI. DEFL. 1/d PLATES GRIP in (loc) I/defl TCLL 25.0 Plate Grip DOL TC 0.14 Vert(LL) 1.15 -0.103-4 >653 360 MT20 185/148 (Roof Snow=25.0) Lumber DOL 1.15 BC 0.61 Vert(CT) -0.12 3-4 >508 240 TCDL 7.0 Rep Stress Incr WB 0.06 YES Horz(CT) -0.00 3 n/a n/a BCLL 0.0 \* Code IBC2015/TPI2014 >999 Matrix-R Wind(LL) 0.02 3-4 240 Weight: 26 lb FT = 0%BCDL 10.0 LUMBER-BRACING-TOP CHORD 2x6 DF 1800F 1.6E Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD **BOT CHORD** 2x4 DF No.2 except end verticals. 2x6 DF 1800F 1.6E \*Except\* Rigid ceiling directly applied or 6-0-0 oc bracing. **WEBS BOT CHORD** 2-3: 2x4 HF Std REACTIONS. (lb/size) 4=221/0-5-8, 3=221/Mechanical

Max Horz 4=78(LC 11)

Max Uplift 4=-21(LC 10), 3=-76(LC 14)

Max Grav 4=340(LC 28), 3=340(LC 29)

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

#### NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 4-4-2 to 7-4-2, Interior(1) 7-4-2 to 9-7-5 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) Unbalanced snow loads have been considered for this design.

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

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

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

7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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

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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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 Sacred Heart- Pacific Crest Constr. Truss Truss Type Qty Ply K5480620 18-OT2432-B C18 Roof Special Job Reference (optional) CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07;11:27 2018 Page 1 Precision Truss & Lumber, Inc., ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-iYocdy7flz9QsW8EerkFloavxd\_1eE3jhd?zctyBQs\_ 1-9-12 7-7-11 1-9-12 5-10-0 Scale = 1:25 0 4x5 = 2 4.00 12 4x4 = 0-10-12 10 3x4 = 1.50 12 1-9-12 7-7-11 1-9-12 5-10-0 Plate Offsets (X,Y)-- [1:0-1-0,0-2-0] LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defl L/d **PLATES** GRIP 25.0 TCLL Plate Grip DOL 1.15 TC 0.29 Vert(LL) -0.03 3-4 >999 360 MT20 185/148 (Roof Snow=25.0) Lumber DOL 1.15 BC 0.18 Vert(CT) -0.043-4 >999 240 TCDL 7.0 Rep Stress Incr YES WB 0.16 Horz(CT) -0.00 n/a n/a 0.0 \* BCLL Code IBC2015/TPI2014 Matrix-P Wind(LL) 0.00 4 >999 240 Weight: 51 lb FT = 0% BCD 10.0 LUMBER-BRACING-2x6 DF 1800F 1.6E 2x6 DF 1800F 1.6E TOP CHORD TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, **BOT CHORD** except end verticals. 2x6 DF 1800F 1.6E \*Except\* **WEBS BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing. 1-4,2-4: 2x4 HF Std REACTIONS. (lb/size) 3=302/Mechanical, 5=302/0-5-8 Max Horz 5=139(LC 11) Max Uplift 3=-77(LC 10), 5=-54(LC 10) Max Grav 3=372(LC 31), 5=372(LC 29) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. JAN 2 9 2019 TOP CHORD 1-2=-291/0, 2-3=-288/199, 1-5=-347/84 WEBS 1-4=0/337, 2-4=-67/315 NOTES-1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; Permit Number MWFRS (envelope) gable end zone and C-C Exterior(2) 4-4-2 to 7-4-2, Interior(1) 7-4-2 to 11-6-5 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) Unbalanced snow loads have been considered for this design. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 5)\* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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

7) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 5.

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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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.



Qty Ply Job Truss Truss Type Sacred Heart-Pacific Crest Constr. K5480621 18-OT2432-B C19 Roof Special Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:28 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_AkM?q18HWHHHUfjQBYFUI075M18NNf8swHkW8JyBQrz Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015. 2-9-12 6-10-0 Scale = 1:28.1 3x5 4.00 12 3x4 = 6 2 3x4 || 5-6-4 1-9-12 4 1-7-9 3x6 = 9 0-5-15 1.50 12 9-7-11 [3:0-2-8,0-1-0], [4:0-1-12,0-1-8], [5:0-1-12,0-1-8] Plate Offsets (X,Y)--LOADING (psf) TCLL 25.0 2-0-0 SPACING-CSI. DEFL. (loc) I/defl L/d **PLATES** GRIP Plate Grip DOL 1.15 TC 0.24 Vert(LL) -0.23 4-5 >477 360 MT20 185/148 (Roof Snow=25.0) Lumber DOL 1.15 BC 0.88 Vert(CT) -0.324-5 >346 240 TCDL 7.0 Rep Stress Incr YES WB 0.30 Horz(CT) 0.01 4 n/a n/a BCLL 0.0 Code IBC2015/TPI2014 Matrix-R Wind(LL) -0.00 4-5 >999 240 Weight: 56 lb FT = 0% BCDI 10.0 LUMBER-BRACING-TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD 2x6 DF 1800F 1.6E **BOT CHORD** 2x4 DF No.2 except end verticals. **WEBS** 2x6 DF 1800F 1.6E \*Except\* **BOT CHORD** Rigid ceiling directly applied or 9-4-10 oc bracing. 2-4,2-5: 2x4 HF Std REACTIONS. (lb/size) 4=386/Mechanical, 5=386/0-5-8 Max Horz 5=166(LC 11) Max Uplift 4=-101(LC 14), 5=-68(LC 10) Max Grav 4=441(LC 20), 5=406(LC 28) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-2=-351/0 TOP CHORD **BOT CHORD** 4-5=-272/445 **WEBS** 2-4=-322/221, 2-5=-439/237 NOTES-1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 4-4-2 to 7-4-2, Interior(1) 7-4-2 to 13-6-5 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 PROF 3) Unbalanced snow loads have been considered for this design. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members. Refer to girder(s) for truss to truss connections. 7) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 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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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 Qty Sacred Heart- Pacific Crest Constr. Truss Truss Type Ply K5480622 18-OT2432-B C20 Roof Specia Job Reference (optional) CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:29 2018 Page 1 Precision Truss & Lumber, Inc., ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-exwN2d9vHbQ85pIdlGmjqDfHwQV566k09xU4glyBQry 11-7-11 3-9-12 7-10-0 Scale = 1:31.1 4x5 = 3 4.00 12 3x4 = 2 6-2-4 3x4 || 4 1-9-12 11 1-4-12 2x4 3x4 = 10 0-5-15 3x5 = 1.50 12 11-7-11 7-5-15 Plate Offsets (X,Y)-- [6:0-1-12,0-1-8] LOADING (psf) **PLATES** I/defl SPACING-2-0-0 CSI. DEFL. (loc) 1/d GRIP TCLL 25.0 Plate Grip DOL TC 0.19 -0 17 185/148 1.15 Vert(LL) 5-6 >773 360 MT20 (Roof Snow=25.0) BC 0.79 -0.235-6 240 Lumber DOL 1.15 Vert(CT) >584 TCDL 7.0 Rep Stress Incr YES WB 0.27 Horz(CT) 0.01 4 n/a n/a BCLL 0.0 \* Weight: 68 lb Code IBC2015/TPI2014 Matrix-AS Wind(LL) 0.01 5 >999 240 FT = 0%BCDI 10.0 LUMBER-BRACING-TOP CHORD Structural wood sheathing directly applied, except end verticals. TOP CHORD 2x6 DF 1800F 1.6E BOT CHORD 2x4 DF No.2 BOT CHORD Rigid ceiling directly applied. 2x4 HF Std \*Except\* WFBS 3-4,1-6: 2x6 DF 1800F 1.6E REACTIONS. (lb/size) 4=470/Mechanical, 6=470/0-5-8 Max Horz 6=190(LC 11) Max Uplift 4=-123(LC 14), 6=-83(LC 10) Max Grav 4=549(LC 20), 6=490(LC 20) City of Portland FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. TOP CHORD 2-3=-462/83, 3-4=-511/175 **BOT CHORD** 5-6=-311/641 WEBS 2-5=-305/222, 2-6=-702/229, 3-5=-57/527 JAN 2 9 2019 NOTES-1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 4-4-2 to 7-4-2, Interior(1) 7-4-2 to 15-6-5 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 Permit Numbe 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 ERED PROFESS 3) Unbalanced snow loads have been considered for this design. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members. 6) Refer to girder(s) for truss to truss connections. 7) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 4=123. 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 design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord. M

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Job Truss Truss Type Qty Ply Sacred Heart- Pacific Crest Constr. K5480623 18-OT2432-B C21 Roof Special Job Reference (optional) Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:30 2018 Page 1  $ID: 3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-67UIFzAX2uY?jztpJzHyNRCQ2qz4rW79NbDdCByBQrxA2uY?jxtpJzHyNRCQ2qz4rW79NbDdCByBQrxA2uY?jxtpJzHyNRCQ2qz4rW79NbDdCByBQrxA2uY?jxtpJzHyNRCQ2qz4rW79NbDdCByBQrxA2uY?jxtpJzHyNRCQ2qz4rW79NbDdCByBQrxA2uY?jxtpJzHyNRCQ2qz4rW79NbDdCByBQrxA2uY?jxtpJzHyNRCQ2qz4rW79NbDdCByBQrxA2uY?jxtpJzHyNRCQ2qz4rW79NbDdCByBQrxA2uY?jxtpJzHyNRCQ2qz4rW79NbDdCByBQrxA2uY?jxtpJzHyNRCQ2qz4rW79NbDdCByBQrxA2uY?jxtpJyNbDdCByBQrxA2uYY?jxtpJyNbDdCByBQrxA2uYYYNbDdCByBQrxA2uYYYNbDdCByBQrxA2uYYNbDdCByBQrxA2uYYNbDdCByBQrxA2uYYNbDdCByBQrxA2uYYNbDdCByBQrxA2uYYNbDdCByBQrxA2uYYNbDdCByBQrxA2uYYNbDdCByBQrxA2uYYNbDdCByBQrxA2uYYNbDdCByBQrxA2uYYNbDdCByBQrxA2uYYNbDAYYNbDQbyBQrxA2uYYNbDQbyBQrxA2uYYNbDQbyBQrxA2uYYNbDQbyBQrx$ 4-9-12 4-9-12 Scale = 1:34.7 4x6 = 3 4.00 12 3x4 = 6-10-4 3x4 1-9-12 11 3x4 || 2-1-9 3x4 = 10 0-5-15 1.50 12 4x6 = 8-11-15 13-7-11 8-11-15 4-7-12 Plate Offsets (X,Y)--[2:0-1-8,0-1-8], [3:0-1-12,0-2-0], [6:0-2-8,0-2-0] LOADING (psf) TCLL 25.0 SPACING-2-0-0 CSI. DEFL. I/defI L/d **PLATES** GRIP Plate Grip DOL 1.15 TC BC 0.29 Vert(LL) -0.07 5-6 >999 360 MT20 185/148 (Roof Snow=25.0) Lumber DOL 1.15 0.29 Vert(CT) -0.115-6 >999 240 TCDL 7.0 Rep Stress Incr YES WB 0.46 Horz(CT) 0.01 4 n/a n/a BCLL 0.0 Code IBC2015/TPI2014 Matrix-R Wind(LL) 0.01 5-6 >999 240 Weight: 89 lb FT = 0%BCDI 10.0 LUMBER-BRACING-TOP CHORD 2x6 DF 1800F 1 6F TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, **BOT CHORD** 2x6 DF 1800F 1.6E except end verticals. **WEBS** 2x4 HF Std \*Except\* **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing. 3-4,1-6: 2x6 DF 1800F 1.6E REACTIONS. (lb/size) 4=554/Mechanical, 6=554/0-5-8 Max Horz 6=212(LC 11) Max Uplift 4=-144(LC 14), 6=-99(LC 10) Max Grav 4=657(LC 20), 6=580(LC 20) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-347/3, 2-3=-582/90, 3-4=-572/163 BOT CHORD 5-6=-343/857 **WEBS** 2-5=-417/260, 2-6=-801/272, 3-5=-46/573 NOTES-1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 4-4-2 to 7-4-2, Interior(1) 7-4-2 to 17-6-5 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 STERED WAS THE PERSON OF THE P 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00 PROFESS 3) Unbalanced snow loads have been considered for this design. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members. 6) Refer to girder(s) for truss to truss connections. 86809PF 7) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 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. OREGON KOMNIC M. EXPIRES: 06-30-2019 December 7,2018



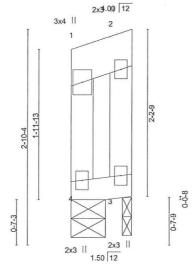
1	Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.	
	18-OT2432-B	C22	Roof Special	1	1	*	K5480624
-	•					Job Reference (optional)	
	Desciolar Tares Office bas Is	01 401/44440 00	27045		0.000 - 11-	40 0040 MT-1 1-1-1-1-1 - 1-1 -	

CLACKAMAS, OR - 97015,

o.zzu s nov 10 2018 MILEK Industries, Inc. Fri Dec 7 07:11:30 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_67UlFzAX2uY?jztpJzHyNRCSMq1krdi9NbDdCByBQrx 3-11



Scale = 1:14.6



0-8-3 0-9-11 0-8-3 0-1-8

LOADING	(psf) 25.0	SPACING-	2-0-0	CSI.	
	20.0	Plate Grip DOL	1.15	TC	0.15
(Roof Sno	The state of the s	Lumber DOL	1.15	BC	0.06
TCDL	7.0	Rep Stress Incr	YES	WB	0.03
BCLL BCDL	0.0 * 10.0	Code IBC2015/TF	PI2014	Matri	x-R

DEFL. in I/defl L/d (loc) 240 Vert(LL) -0.00 >999 -0.00 Vert(CT) >999 180 -0.00 Horz(CT)

**PLATES** GRIP MT20 185/148

Weight: 7 lb FT = 0%

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E **BOT CHORD** 2x4 DF No.2 **WEBS** 2x4 HF Std

**BRACING-**TOP CHORD

Structural wood sheathing directly applied or 5-10-3 oc purlins,

except end verticals. **BOT CHORD** Rigid ceiling directly applied or 2-0-0 oc bracing.

REACTIONS. (lb/size) 4=22/0-5-8, 3=22/0-1-8

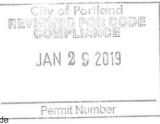
Max Horz 4=-41(LC 12)

Max Uplift 4=-56(LC 12), 3=-73(LC 11) Max Grav 4=259(LC 27), 3=259(LC 29)

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

### NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 3.
- 9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
- 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.





EXPIRES: 06-30-2019 December 7,2018



Job Truss Truss Type Qty Ply Sacred Heart- Pacific Crest Constr. K5480625 18-OT2432-B C23 Roof Special Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:31 2018 Page 1 Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-aJ17SJB9pCgsL7S?thpBvelerEJUa4yJcFzAkeyBQrw 2-9-11 2-9-11 Scale = 1:17.9 4.00 12 2x3 || 2 3x4 || 0-3-8 5 0-10-9 0-7-3 2x3 || 2x3 || 1.50 12 2-9-11 LOADING (psf) SPACING-2-0-0 CSI. DEFL. in I/defl L/d **PLATES** GRIP (loc) TCLL 25.0 Plate Grip DOL 1.15 TC 0.10 Vert(LL) -0.01 3-4 >999 360 185/148 MT20 (Roof Snow=25.0) Lumber DOL 1.15 ВС 0.28 Vert(CT) -0.02 3-4 >999 240 TCDL 70 Horz(CT) Rep Stress Incr WB 0.04 -0.00 n/a n/a BCLL 0.0 \* Code IBC2015/TPI2014 Matrix-R Wind(LL) 0.00 3-4 >999 240 Weight: 15 lb FT = 0% BCDL 10.0 LUMBER-**BRACING-**TOP CHORD 2x6 DF 1800F 1.6E TOP CHORD Structural wood sheathing directly applied or 7-10-3 oc purlins, **BOT CHORD** 2x4 DF No.2 except end verticals. **WEBS** 2x4 DF No.2 \*Except\* **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing 2-3: 2x4 HF Std REACTIONS. 4=106/0-5-8, 3=106/Mechanical (lb/size) Max Horz 4=57(LC 11) Max Uplift 4=-5(LC 10), 3=-43(LC 14) Max Grav 4=293(LC 28), 3=293(LC 29) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. NOTES-1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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) Unbalanced snow loads have been considered for this design.

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

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

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

7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 3.
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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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/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 Sacred Heart- Pacific Crest Constr. Truss Type Qtv Truss K5480626 18-OT2432-B C24 Roof Special Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:31 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-aJ17SJB9pCgsL7S?thpBveleuEG8a4gJcFzAkeyBQrw CLACKAMAS OR - 97015 Precision Truss & Lumber, Inc., 4-9-11 4-9-11 Scale = 1:21.2 2x3 || 4.00 12 2 3x4 || 1-11-13 1-1-10 3 6 2x3 || 0-7-3 1.50 12 3x4 || 4-9-11 4-9-11 LOADING (psf) SPACING-2-0-0 CSI. DEFL (loc) I/defl L/d **PLATES** GRIP 25.0 TCLL Plate Grip DOL 1.15 TC 0.10 Vert(LL) -0.06 3-4 >897 360 MT20 185/148 (Roof Snow=25.0) Lumber DOL 1.15 BC 0.49 Vert(CT) -0.07 3-4 >724 240 TCDL 7.0 Rep Stress Incr YES WB 0.05 Horz(CT) -0.00 3 n/a n/a 0.0 \* BCLL Code IBC2015/TPI2014 Wind(LL) 0.02 3-4 >999 240 Weight: 23 lb FT = 0% Matrix-R BCDI 10.0 LUMBER-**BRACING-**TOP CHORD 2x6 DF 1800F 1.6E TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, **BOT CHORD** 2x4 DF No.2 except end verticals. Rigid ceiling directly applied or 6-0-0 oc bracing. 2x6 DF 1800F 1.6E \*Except\* **BOT CHORD WEBS** 2-3: 2x4 HF Std REACTIONS. (lb/size) 4=186/0-5-8, 3=186/Mechanical Max Horz 4=74(LC 11) Max Uplift 4=-14(LC 10), 3=-68(LC 14) Max Grav 4=325(LC 28), 3=325(LC 29) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. of Portland NOTES-1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 5-2-2 to 8-2-2, Interior(1) 8-2-2 to 9-7-5 zone; cantilever left and right JAN 2 9 2019 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) Unbalanced snow loads have been considered for this design. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. Permit Number 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members. 6) Refer to girder(s) for truss to truss connections. 7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify

capacity of bearing surface.

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

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: 06-30-2019 December 7,2018

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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 Sacred Heart- Pacific Crest Constr. K5480627 18-OT2432-B C25 Roof Special 1 Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:32 2018 Page 1 Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-2WbVgfBnaWojyH0BQOKQSsHnfeXfJXmSrvikH4yBQrv 6-9-11 0-11-12 0-11-12 5-10-0 Scale: 1/2"=1" 2x3 4.00 12 3x5 || 4-10-4 6-4-2x3 || 0-7-3 1.50 12 6-9-11 6-9-11 Plate Offsets (X,Y)-- [1:0-2-8,0-1-0], [4:0-1-7,0-2-4] LOADING (psf) SPACING-2-0-0 CSI. DEFL. **PLATES** GRIP in (loc) I/defl L/d TCLL 25.0 Plate Grip DOL TC 0.22 Vert(LL) -0.18 3-4 >441 360 185/148 1.15 MT20 (Roof Snow=25.0) Lumber DOL 1.15 BC 0.80 Vert(CT) -0.243-4 >327 240 TCDL 7.0 Rep Stress Incr WB -0.00 YES 0.06 Horz(CT) 3 n/a n/a BCLL 0.0 \* Code IBC2015/TPI2014 FT = 0%0.04 3-4 >999 240 Weight: 31 lb Matrix-R Wind(LL) BCDL 10.0 LUMBER-**BRACING-**2x6 DF 1800F 1.6E TOP CHORD TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, 2x4 DF No.2 **BOT CHORD** except end verticals. Rigid ceiling directly applied or 6-0-0 oc bracing. 2x6 DF 1800F 1.6E \*Except\* **BOT CHORD** WEBS

2x6 DF 1800F 1.6E 2-3: 2x4 HF Std

**REACTIONS.** (lb/size) 4=270/0-5-8, 3=270/Mechanical

Max Horz 4=91(LC 11)

Max Uplift 4=-27(LC 14), 3=-91(LC 10) Max Grav 4=359(LC 28), 3=359(LC 29)

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

### NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 5-2-2 to 8-2-2, Interior(1) 8-2-2 to 11-7-5 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) Unbalanced snow loads have been considered for this design.

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

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

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

7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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

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: 06-30-2019 December 7,2018

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



Job Truss Type Sacred Heart- Pacific Crest Constr. Truss Qty Ply K5480628 18-OT2432-B C26 Roof Special Job Reference (optional) CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:33 2018 Page 1 Precision Truss & Lumber, Inc.,

1-11-12

1-11-12

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8-9-11 6-10-0

Scale = 1.27 6

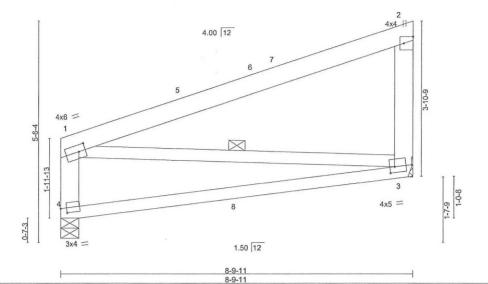


Plate Offsets (X,Y)-- [1:0-2-0,0-2-0], [2:Edge,0-2-12], [3:0-1-8,0-1-12], [4:0-1-12,0-1-8] LOADING (psf) SPACING-2-0-0 CSI DEFL. I/defl L/d **PLATES** GRIP 25.0 TCLL Plate Grip DOL 1.15 TC 0.22 Vert(LL) -0.18 3-4 >565 360 MT20 185/148 (Roof Snow=25.0) Lumber DOL 1 15 BC. 0.78 Vert(CT) -0 24 3-4 >423 240 TCDL 7.0 Rep Stress Incr YES WB 0.07 Horz(CT) 0.00 3 n/a n/a 0.0 \* BCLL Code IBC2015/TPI2014 Matrix-R Wind(LL) -0.01 3-4 >999 240 Weight: 51 lb FT = 0%

LUMBER-

BCD

TOP CHORD 2x6 DF 1800F 1.6E

10.0

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

**WEBS** 2x6 DF 1800F 1.6E \*Except\*

1-3: 2x4 HF Std

TOP CHORD

BRACING-

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

except end verticals.

**BOT CHORD WEBS** 1 Row at midpt

Rigid ceiling directly applied or 10-0-0 oc bracing. 1-3

Permit Number

REACTIONS. (lb/size) 3=351/Mechanical, 4=351/0-5-8

Max Horz 4=162(LC 11)

Max Uplift 3=-92(LC 14), 4=-62(LC 10) Max Grav 3=397(LC 20), 4=392(LC 28)

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

TOP CHORD 2-3=-266/171, 1-4=-316/160

**BOT CHORD** 3-4=-269/344

# NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 5-2-2 to 8-2-2, Interior(1) 8-2-2 to 13-6-5 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) Unbalanced snow loads have been considered for this design.

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

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

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

7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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

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.

RED PRO Μ.

> EXPIRES: 06-30-2019 December 7,2018

🗥 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

ANSITPI1 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 Sacred Heart- Pacific Crest Constr. K5480629 18-OT2432-B C27 Roof Special Job Reference (optional) CLACKAMAS, OR - 97015. 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:34 2018 Page 1 Precision Truss & Lumber, Inc. ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-?ujG5LD2672QCaAaYpMuXHM5BRG4nO?IIDBrLzyBQrt 2-11-12 10-9-11 2-11-12 7-10-0 Scale = 1:30.7 4x7 = 4.00 12 4x7 1-11-13 3 10 3x4 = 0-7-3 3x4 = 1.50 12 6-7-15 10-9-11 4-1-12 6-7-15 [1:Edge,0-1-8], [2:0-2-4,0-2-0], [4:0-1-12,0-1-8], [5:0-1-0,0-1-8] Plate Offsets (X,Y)--LOADING (psf) TCLL 25.0 GRIP SPACING-2-0-0 CSI. DEFL. in (loc) I/defl I/d PLATES 185/148 Plate Grip DOL 1.15 TC 0.35 Vert(LL) -0.10 4.5 >999 360 MT20 (Roof Snow=25.0) BC 4-5 240 Lumber DOL 1.15 0.61 Vert(CT) -0.13>965 TCDI 7.0 Rep Stress Incr YES WB 0.21 Horz(CT) 0.00 3 n/a n/a BCLL 0.0 Code IBC2015/TPI2014 Matrix-R Wind(LL) -0.00 3-4 >999 240 Weight: 64 lb FT = 0%BCD 10.0 BRACING-LUMBER-TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD 2x6 DF 1800F 1.6E BOT CHORD 2x4 DF No.2 except end verticals. **WEBS** 2x6 DF 1800F 1.6E \*Except\* **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing. 1-4,2-4: 2x4 HF Std REACTIONS. (lb/size) 3=435/Mechanical, 5=435/0-5-8 Max Horz 5=187(LC 11) Max Uplift 3=-114(LC 14), 5=-77(LC 10) Max Grav 3=504(LC 20), 5=453(LC 20) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-398/53, 2-3=-436/172, 1-5=-429/160 **BOT CHORD** 4-5=-363/407 1-4=-143/261, 2-4=0/445 WEBS NOTES-1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 5-2-2 to 8-2-2, Interior(1) 8-2-2 to 15-6-5 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) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb)
- 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.

ESTERED PROF,

EXPIRES: 06-30-2019 December 7,2018

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 and respect to the 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

ANSITPI1 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 Sacred Heart- Pacific Crest Constr. Job Truss Type Truss K5480630 18-OT2432-B C28 Roof Special 1 Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:34 2018 Page 1 Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015. ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-?ujG5LD2672QCaAaYpMuXHM6JRDwnMzlIDBrLzyBQrt 12-9-11 3-11-12 3-11-12 8-10-0 4x6 = Scale = 1:34.2 3 4.00 12 3x4 = 2 3x4 || 4 1-11-13 3x4 || 3x4 = 10 0-7-3 3x6 = 1.50 12 8-1-15 12-9-11 8-1-15 Plate Offsets (X,Y)-- [3:0-2-0,0-2-0], [6:0-2-0,0-1-8] LOADING (psf) SPACING-2-0-0 CSI. DEFL. in I/defl L/d **PLATES** GRIP (loc) TCLL 25.0 Plate Grip DOL 1.15 TC 0.28 Vert(LL) -0.185-6 >804 360 MT20 185/148 (Roof Snow=25.0) Lumber DOL 1.15 BC 0.81 Vert(CT) -0.255-6 >600 240 TCDI 7.0 Rep Stress Incr YES WB 0.34 Horz(CT) 0.01 4 n/a n/a BCLL 0.0 Code IBC2015/TPI2014 Matrix-R Wind(LL) 0.01 5-6 >999 240 Weight: 75 lb FT = 0%BCDI 10.0 LUMBER-BRACING-TOP CHORD 2x6 DF 1800F 1.6E 2x4 DF No.2 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, **BOT CHORD** except end verticals. 2x4 HF Std \*Except\* **WEBS BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing. 3-4,1-6: 2x6 DF 1800F 1.6E REACTIONS. (lb/size) 4=519/Mechanical, 6=519/0-5-8 Max Horz 6=211(LC 11) Max Uplift 4=-136(LC 14), 6=-92(LC 10) Max Grav 4=612(LC 20), 6=542(LC 20) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown TOP CHORD 1-2=-289/0, 2-3=-522/91, 3-4=-554/183 IAN 2 9 2019 **BOT CHORD** 5-6=-334/709 2-5=-321/230, 2-6=-772/274, 3-5=-50/539 WEBS NOTES-1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 5-2-2 to 8-2-2, Interior(1) 8-2-2 to 17-6-5 zone; cantilever left and right Permit Number 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) Unbalanced snow loads have been considered for this design.

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

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

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

7) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

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

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: 06-30-2019 December 7,2018

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 hand researched by the 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.



Qty Ply Sacred Heart- Pacific Crest Constr. Job Truss Truss Type K5480631 18-OT2432-B D01 MONO SCISSOR 2 2 Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:36 2018 Page 1 Precision Truss & Lumber, Inc. CLACKAMAS, OR - 97015. ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-xHr0W1Elekl8RuKzfEOMciSNHFtiF9N2mWgxQryBQrr 19-8-5 26-1-11 30-0-12 36-0-12 36-5-11 7-8-10

6-5-6

3-11-1

5-11-14

Scale: 3/16"=1" 2.83 12 8 8x18 = 4x7 = 4x6 = 5 3x5 = 15 8-11-4 2x3 < 25 0-0-9 6x10 M18SHS = 23 3x6 || 12 8x10 -0-11-4 21 13 5x10 \\ 14 10 20 **≥** 19 4x5 = 7x10 M18SHS =1.06 12

L	9-8-9		17-8-6	22-8-4 2	6-1-11 26-11 <sub>T</sub> 4		
	9-8-9	1	7-11-13	4-11-14	3-5-7 0-9-9		
Plate Offsets (X,Y)	[1:0-5-0,0-3-15], [3:0-2-4,0-	1-8], [5:0-3-0	0-1-12], [6:0-4-4,0-4-0], [1	1:0-7-0,0-4-0], [12:0-7-0,0-2-0	], [14:0-2-8,0-2-8]		
LOADING (psf) TCLL 25.0 (Roof Snow=25.0) TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IBC2015/TF	2-0-0 1.15 1.15 NO PI2014	CSI. TC 0.63 BC 0.85 WB 0.79 Matrix-MR	DEFL. in (loc Vert(LL) -0.40 12-14 Vert(CT) -0.67 12-14 Horz(CT) -0.13 Wind(LL) 0.30 12-14	>776 360 >461 240 7 n/a n/a	PLATES MT20 M18SHS Weight: 428 lb	GRIP 185/148 220/195 FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E **BOT CHORD** 2x10 DF SS

WEBS 2x4 HF Std \*Except\*

6-10: 2x6 DF 1800F 1.6E, 5-12,6-11: 2x4 DF No.2

7-8-10

5-11-14

OTHERS 2x12 DF No.2

All bearings 0-1-8 except (jt=length) 1=0-7-2, 15=0-9-0. REACTIONS.

(lb) - Max Horz 1=568(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) 8 except 1=-776(LC 6), 15=-1397(LC 10), 7=-128(LC 8) Max Grav All reactions 250 lb or less at joint(s) except 1=4187(LC 23), 15=7125(LC 23), 7=276(LC 17),

8=363(LC 17)

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

1-2=-16606/3200, 2-3=-16822/3141, 3-5=-12845/2370, 5-6=-5136/926, 10-15=-128/742, TOP CHORD

1-14=-3582/16199, 12-14=-3088/14689, 11-12=-1877/9133, 10-11=-389/87 **BOT CHORD** WEBS

2-14=-49/582, 3-14=-427/2384, 3-12=-2270/503, 5-12=-1249/6730, 5-11=-5751/1145,

6-11=-1672/8700

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 0-7-0 oc.

Bottom chords connected as follows: 2x10 - 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=130mph (3-second gust) Vasd=103mph; 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) Unbalanced snow loads have been considered for this design.
- 6) 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.
- 7) All plates are MT20 plates unless otherwise indicated.
- 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) 1, 15 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 at joint(s) 7, 8.

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 methes 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

ANSITPI1 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 4-1-7 oc purlins,

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

except end verticals.

0-4-15

6-0-0



EXPIRES: 06-30-2019 December 7,2018



Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.	
18-QT3432-B	D01	MONO SCISSOR	2	2		K5480631
					Job Reference (optional)	

CLACKAMAS, OR - 97015,

8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:36 2018 Page 2 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-xHr0W1Elekl8RuKzfEOMciSNHFtiF9N2mWgxQryBQrr

#### NOTES-

12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 1=776, 15=1397, 7=128.

13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 7, 8.

- 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.
- 15) Girder carries tie-in span(s): 2-6-0 at 0-0-0 to 17-9-1 at 25-1-5.

# LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 10-24=-20, 1-6=-64, 6-9=-64

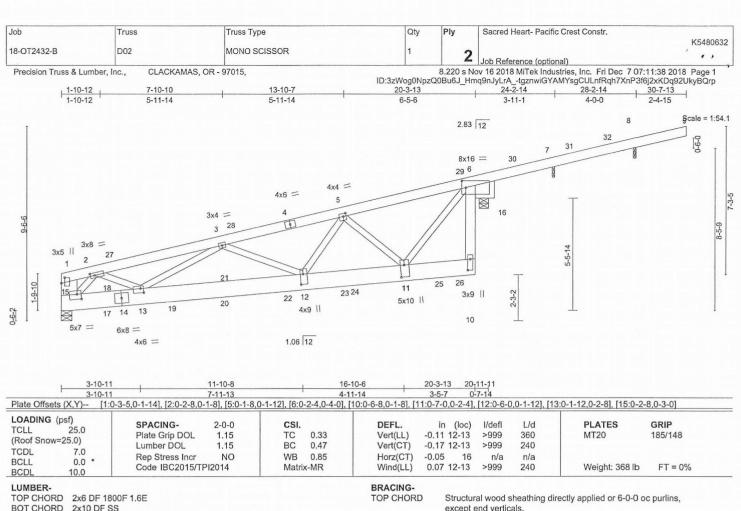
Trapezoidal Loads (plf)

Vert: 16=-36(F=-8, B=-8)-to-24=-676(F=-328, B=-328)

JAN 2 9 2019

Permit Number





**BOT CHORD** 

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

**BOT CHORD** 2x10 DF SS WEBS

2x4 HF Std \*Except\*

6-10: 2x6 DF 1800F 1.6E, 6-11: 2x4 DF No.2, 1-15: 2x10 DF SS

OTHERS 2x12 DF No.2

REACTIONS. All bearings 0-1-8 except (jt=length) 15=0-6-4, 16=0-5-8.

(lb) -Max Horz 15=229(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) except 15=-808(LC 6), 16=-1454(LC 10), 7=-219(LC 6), 8=-159(LC

All reactions 250 lb or less at joint(s) except 15=3327(LC 17), 16=6281(LC 17), 7=694(LC 18), 8=582(LC

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

TOP CHORD 1-2=-1220/243, 2-3=-6187/1455, 3-5=-7637/1731, 5-6=-3658/790, 10-16=-355/1639,

6-16=-4469/1066, 1-15=-824/207

BOT CHORD 13-15=-933/3015, 12-13=-1859/7424, 11-12=-1335/5745

**WEBS** 2-13=-651/3294, 3-13=-1587/379, 3-12=-272/374, 5-12=-813/3347, 5-11=-3030/756,

6-11=-1329/5756, 2-15=-3284/948

# NOTES-

Continued on page 2

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 0-7-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x10 - 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=130mph (3-second gust) Vasd=103mph; 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 arip 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) Unbalanced snow loads have been considered for this design.

6) 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.

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

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

9) Bearing at joint(s) 15, 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7, 8.

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 MI 16k8 connectors. I his design is based only upon parameters snown, and is for an individual 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

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



EXPIRES: 06-30-2019 December 7,2018



Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.	
18-OT2432-B	D02	MONO SCISSOR	1	2		K5480632
V					Job Reference (optional)	

CLACKAMAS, OR - 97015,

8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:38 2018 Page 2 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_tgznwiGYAMYsgCULnfRqh7XnP3f6j2xKDq92UkyBQrp

#### NOTES-

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 808 lb uplift at joint 15, 1454 lb uplift at joint 16, 219 lb uplift at joint 7 and 159 lb uplift at joint 8.

12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 7, 8.

- 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 39 lb down and 30 lb up at 2-8-7, 39 lb down and 30 lb up at 2-8-7, 99 lb down and 70 lb up at 5-6-6, 99 lb down and 70 lb up at 5-6-6, 177 lb down and 103 lb up at 8-4-5, 177 lb down and 103 lb up at 8-4-5, 888 lb down and 295 lb up at 28-1-15, and 141 lb down and 62 lb up at 30-11-14, and 205 lb down and 88 lb up at 32-9-15 on top chord, and 2 lb down at 2-8-7, 2 lb down at 2-8-7, 6 lb down at 5-6-6, 6 lb down at 8-4-5, 36 lb down and 180 lb up at 11-2-4, 323 lb down and 108 lb up at 11-2-4, 428 lb down and 129 lb up at 14-0-3, 428 lb down and 129 lb up at 14-0-3, 536 lb down and 150 lb up at 16-10-2, 646 lb down and 172 lb up at 19-8-1, 646 lb down and 172 lb up at 19-8-1, 751 lb down and 192 lb up at 22-6-0, 751 lb down and 192 lb up at 22-6-0, and 864 lb down and 205 lb up at 25-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

#### LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 10-15=-20, 1-6=-64, 6-9=-64

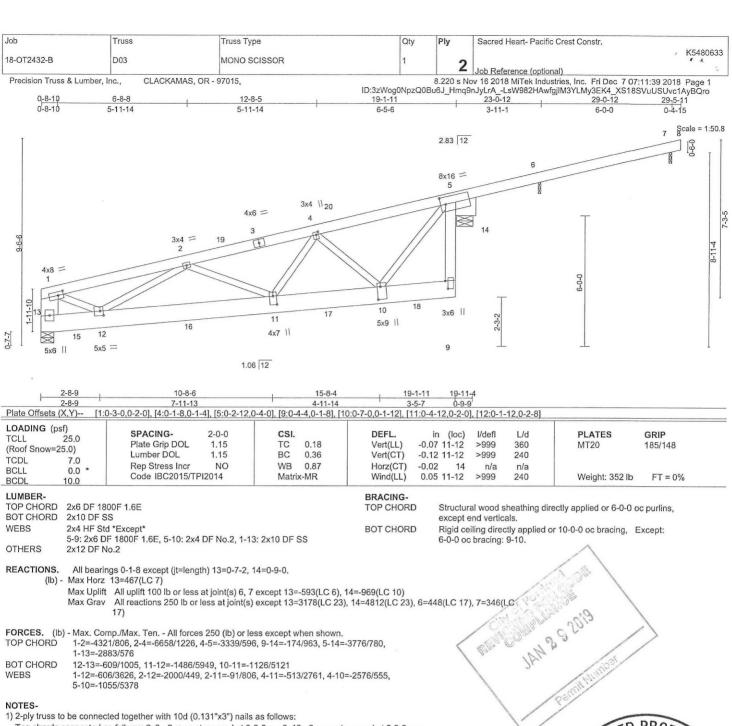
Concentrated Loads (lb)

Vert: 11=-1503(F=-751, B=-751) 15=-13(F=-6, B=-6) 1=-56(F=-28, B=-28) 18=-53(F=-26, B=-26) 19=-645(F=-323, B=-323) 21=-857(F=-428, B=-428)

22=-1072(F=-536, B=-536) 23=-1292(F=-646, B=-646) 26=-1728(F=-864, B=-864) 27=-213(F=-107, B=-107) 30=-747 31=-71(B) 32=-135(B)







Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x10 - 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=130mph (3-second gust) Vasd=103mph; 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

4) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00

5) Unbalanced snow loads have been considered for this design.

6) 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.

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

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

9) Bearing at joint(s) 13, 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6, 7.

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 7 except Contilitation disapsas 214=969

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

ANSITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



EXPIRES: 06-30-2019 December 7,2018



Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.	
18-012432-B	D03	MONO SCISSOR	1	0		K5480633
C - 1 - 1 - 1					Job Reference (optional)	

CLACKAMAS, OR - 97015,

8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:39 2018 Page 2 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-LsW982HAwfg|IM3YLMy3EK4\_XS18SVuUSUvc1AyBQro

#### NOTES-

12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 6, 7.

- 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) Girder carries tie-in span(s): 5-9-1 at 7-0-0 to 17-9-1 at 26-1-11.; 2-9-11 at 7-0-0 to 12-9-11 at 26-1-11.

LOAD CASE(S) Standard

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

Uniform Loads (plf) Vert: 1-5=-64, 5-8=-64

Trapezoidal Loads (plf)

Vert: 13=-120(F=-81, B=-19)-to-9=-573(F=-328, B=-224)



.loh Truss Truss Type Qty Ply Sacred Heart- Pacific Crest Constr. , K5480634 18-OT2432-B E01 ROOF SPECIAL 5 2 Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:39 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-LsW982HAwfgjlM3YLMy3EK4\_mS4fSiKUSUvc1AyBQro Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 5-1-0 5-1-0 Scale = 1:14.3 3x4 || 4x5 = 5-1-0 [1:0-2-4,0-2-0], [3:0-2-0,0-2-0] Plate Offsets (X,Y)--LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defl L/d **PLATES** GRIP in (loc) 25.0 TCLL Plate Grip DOL 3-4 1.15 TC 0.17 Vert(LL) -0.01>999 360 MT20 185/148 (Roof Snow=25.0) Lumber DOL 0.13 Vert(CT) -0.02 3-4 >999 240 1.15 BC TCDI 7.0 Rep Stress Incr WB 0.01 Horz(CT) 0.00 3 NO n/a n/a 0.0 \* BCII Code IBC2015/TPI2014 Matrix-P Wind(LL) 0.01 3-4 >999 240 Weight: 63 lb FT = 0%BCD 10.0 LUMBER-**BRACING-**2x6 DF 1800F 1.6E 2x6 DF 1800F 1.6E TOP CHORD TOP CHORD 2-0-0 oc purlins: 1-2, except end verticals. **BOT CHORD BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing. 2x6 DF 1800F 1.6E \*Except\* **WEBS** 1-3: 2x4 HF Std ity of Porder REACTIONS. (lb/size) 4=817/Mechanical, 3=817/Mechanical Max Horz 4=-59(LC 10) Max Uplift 4=-233(LC 8), 3=-233(LC 9) JAN 2 9 2019 Max Grav 4=824(LC 19), 3=840(LC 19) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-4=-601/353, 2-3=-601/334 Permit Number 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: 2x6 - 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=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed;

MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 4-10-4 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

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) 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) except (jt=lb) 4=233, 3=233.

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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 191 lb down and 85 lb up at 0-2-12, and 191 lb down and 85 lb up at 4-10-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.

# LOAD CASE(S) Standard

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

ANSITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



EXPIRES: 06-30-2019 December 7,2018



Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.	
18-0\(\frac{1}{24}\)32-B	E01	ROOF SPECIAL	5	2		K5480634
•					Job Reference (optional)	

CLACKAMAS, OR - 97015,

8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:39 2018 Page 2 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-LsW982HAwfgjlM3YLMy3EK4\_mS4fSiKUSUvc1AyBQro

LOAD CASE(S) Standard

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



Job Truss Truss Type Qty Sacred Heart- Pacific Crest Constr. PIV K5480635 18-OT2432-B E02 Roof Special Girder 3 2 Job Reference (optional)

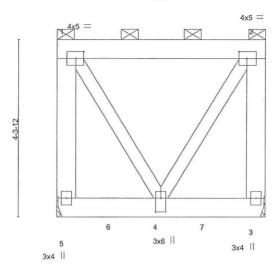
Precision Truss & Lumber, Inc.,

CLACKAMAS, OR - 97015,

8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:40 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-p24XLOIphzoawVeku4TlnYcBCsRKB5Bdg8f9ZcyBQrn

5-1-0

Scale = 1:26.8



		2-6-8	5-1-0	
		2-6-8	2-6-8	
te Offsets (X Y)	[1:0-2-4.0-2-0], [2:0-2-4.0-2-0], [4:0-4-0.0-1-8]			

Plate Offs	ets (X,Y) [1:0	0-2-4,0-2-0], [2:0-2-4,0-2	2-0], [4:0-4-0,0	)-1-8]								
LOADING TCLL (Roof Sno	25.0 w=25.0)	SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI. TC BC	0.06 0.10	DEFL. Vert(LL) Vert(CT)	in -0.01 -0.01	(loc) 4 4	I/defl >999 >999	L/d 360 240	PLATES MT20	<b>GRIP</b> 185/148
TCDL BCLL BCDL	7.0 0.0 *	Rep Stress Incr Code IBC2015/TI	NO PI2014	WB Matri	0.29 x-P	Horz(CT) Wind(LL)	-0.00 0.00	3 4	n/a >999	n/a 240	Weight: 91 lb	FT = 0%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E 2x6 DF 1800F 1.6E **BOT CHORD** WEBS

2x6 DF 1800F 1.6E \*Except\*

1-4 2-4: 2x4 HF Std

REACTIONS. (lb/size) 5=1839/Mechanical, 3=1839/Mechanical

Max Horz 5=139(LC 7) Max Uplift 5=-458(LC 4), 3=-458(LC 5) Max Grav 5=1966(LC 16), 3=1966(LC 15)

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

TOP CHORD 1-5=-1190/319, 1-2=-658/122, 2-3=-1190/319

**WEBS** 1-4=-290/1305, 2-4=-290/1305

### 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: 2x6 - 2 rows staggered at 0-6-0 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=130mph (3-second gust) Vasd=103mph; 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) 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) except (jt=lb) 5=458, 3=458,
- 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) Girder carries tie-in span(s): 36-0-0 from 0-0-0 to 5-1-0
- 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

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



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

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



EXPIRES: 06-30-2019 December 7,2018



Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OŸ2+32-B	E02	Roof Special Girder	3	2	K5480635  Job Reference (optional)

CLACKAMAS, OR - 97015,

8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:40 2018 Page 2 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_p24XLOlphzoawVeku4TlnYcBCsRKB5Bdg8f9ZcyBQrn

LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 1-2=-64, 3-5=-731(F=-711)

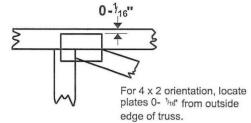


# Symbols

# PLATE LOCATION AND ORIENTATION



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



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:

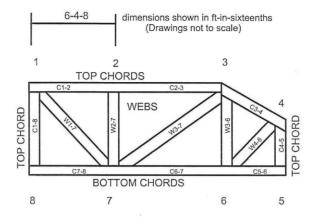
ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction. Design Standard for Bracing.

DSB-89:

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.
- 3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- 4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- 5. Cut members to bear tightly against each other.
- 6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- 7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- 8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- 9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- 10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- 11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- 12. Lumber used shall be of the species and size, and in all respects, equal to or better than that
- 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.





MiTek USA, Inc.

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

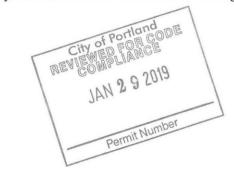
Re: 18-OT2432-A

Pacific Crest Construction

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: K5420358 thru K5420361

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



STERED PROFESSION BY 89200PE



Litout

Baxter, David

NO EXCEPTION TAKEN A REVISE & RESUBMIT

REJECTED ☐ MAKE CORRECTIONS NOTED ☐

CHECKING IS ONLY FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS & DESIGN CONCEPT OF THE PROJECT. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE PLANS & SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR: CONFIRMING & CORRELATING DIMENSIONS, FABRICATION & CONSTRUCTION TECHNIQUES, COORDINATION OF HIS WORK WITH OTHER TRADES, AND THE SATISFACTORY PERFORMANCE OF HIS WORK

JAMES G. PIERSON, INC. CONSULTING STRUCTURAL ENGINEERS PORTLAND, OREGON

BY Peda Nolber DATE 01/04/2019

November 20,2018

**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.

FS OI C 176

Job Truss Truss Type Qty Ply Pacific Crest Construction K5420358 18-OT2432-A B01 GABLE Job Reference (optional) CLACKAMAS, OR - 97015. 8,220 s Oct 6 2018 MiTek Industries, Inc. Tue Nov 20 11:40:56 2018 Page 1 Precision Truss & Lumber, Inc., ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-VG2PlrmXjeT\_GR6nqK?nLG4Rytj4advp2HlOhxyHlbL 5-9-7 13-7-6 18-9-8 5-9-7 7-9-15 5-2-2 Scale = 1:40.4 MT 1.5x3 ON EACH FACE OF BOTH ENDS OF UN-PLATED MEMBERS OR EQUIVALENT CONNECTION BY OTHERS. 3x4-H 47 3x4 = 4 00 12 7-2-7 2x3 < 4x4 = 45 0-11-4 43 44 3x4 = 4x10 5x6 8-11-1 18-9-8 8-11-1 9-10-7 Plate Offsets (X,Y)--[1:0-3-0,0-1-0], [5:0-2-0,0-1-0], [6:0-2-4,0-2-12] LOADING (psf) SPACING-2-0-0 CSI DEFL (loc) I/def L/d **PLATES** GRIP 25.0 TCLL Plate Grip DOL 1.15 TC 0.33 -0.34 6-7 >656 360 MT20 185/148 Vert(LL) (Roof Snow=25.0) Lumber DOL 1.15 ВС 0.91 Vert(CT) -0.486-7 >468 240 TCDI 7.0 Rep Stress Incr WB 0.48 NO Horz(CT) 0.03 6 n/a n/a BCLL 0.0 Code IBC2015/TPI2014 Matrix-MR Wind(LL) 0.05 6-7 >999 240 Weight: 153 lb FT = 0% BCDI 10.0 BRACING-

TOP CHORD

**BOT CHORD** 

**WEBS** 

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E

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

**WEBS** 2x4 HF Std \*Except\* 5-6: 2x6 DF 1800F 1.6E

**OTHERS** 2x4 HF Std

SLIDER Left 2x6 DF No 2 1-10-6

REACTIONS. (lb/size) 1=980/0-5-8, 6=1330/0-5-8

Max Horz 1=276(LC 13)

Max Uplift 1=-191(LC 10), 6=-313(LC 14)

Max Grav 1=1018(LC 20), 6=1503(LC 20)

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

TOP CHORD 1-3=-2000/740, 3-4=-1722/605 **BOT CHORD** 1-7=-852/1835, 6-7=-626/1237

3-7=-345/265, 4-7=-56/589, 4-6=-1715/824 WEBS

# NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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 18-6-12 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) 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) Unbalanced snow loads have been considered for this design.
- 5) Gable studs spaced at 1-4-0 oc
- 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 191 lb uplift at joint 1 and 313 lb uplift at
- 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 775 lb down and 420 lb up at 13-7-6 on top chord. The design/selection of such connection device(s) is the responsibility of others
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

Continued on page 2

A 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 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 ANSITP11 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 7-2-6 oc bracing.

except end verticals.

1 Row at midpt



EXPIRES: 12-31-2019 November 20,2018



Job	Truss	Truss Type	Qty	Ply	Pacific Crest Construction K5420358	1
18-OT2432-A	B01	GABLE	1	1	Job Reference (optional)	

CLACKAMAS, OR - 97015,

8.220 s Oct 6 2018 MiTek Industries, Inc. Tue Nov 20 11:40:56 2018 Page 2 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-VG2PlrmXjeT\_GR6nqK?nLG4Rytj4advp2HlOhxyHlbL

# LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 6-38--20, 1-5=-64 Concentrated Loads (lb) Vert: 4--750(F)





Job Truss Truss Type Qty Ply Pacific Crest Construction K5420359 18-OT2432-A B02 33 MONO TRUSS Job Reference (optional) Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8,220 s Oct 6 2018 MiTek Industries, Inc. Tue Nov 20 11:40:58 2018 Page 1 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-ReA9AXonFGkiWkFAyl1FQh9nShPY2WP6WbEUmqyHlbJ 13-7-6 18-9-8

7-9-15

Scale = 1:40.4

5-2-2

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

4-6

Portland

Permit Number

Rigid ceiling directly applied or 9-7-1 oc bracing.

18-9-8

except end verticals.

1 Row at midpt

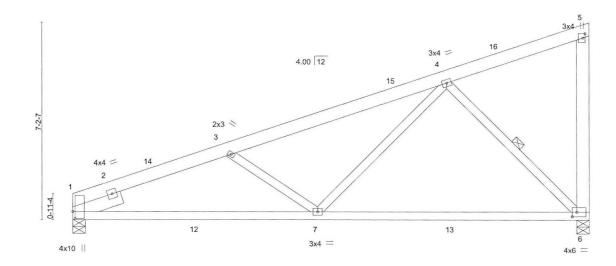


Plate Offsets (X,Y)--[1:0-3-0,0-1-0], [5:0-2-0,0-1-0], [6:0-2-0,0-2-0] LOADING (psf) SPACING-2-0-0 CSI DEFL I/defl L/d **PLATES** GRIP (loc) 25.0 TCLL 1.15 Plate Grip DOL TC 0.33 Vert(LL) -0.346-7 >656 360 MT20 185/148 (Roof Snow=25.0) BC Lumber DOL 0.91 1.15 Vert(CT) -0.486-7 >468 240 TCDL 7.0 Rep Stress Incr NO WB 0.48 Horz(CT) 0.03 6 n/a n/a **BCLL** 0.0 Code IBC2015/TPI2014 Matrix-MR Wind(LL) 0.05 6-7 >999 240 Weight: 106 lb FT = 0%

BRACING-

TOP CHORD

BOT CHORD

WFBS

LUMBER-

BCDI

TOP CHORD 2x6 DF 1800F 1.6E **BOT CHORD** 2x4 DF No.1&Btr

2x4 HF Std \*Except\* WFRS 5-6: 2x6 DF 1800F 1.6E

SLIDER Left 2x6 DF No.2 1-10-6

REACTIONS. (lb/size) 1=980/0-5-8, 6=1330/0-5-8

Max Horz 1=276(LC 13) Max Uplift 1=-191(LC 10), 6=-313(LC 14)

Max Grav 1=1018(LC 20), 6=1503(LC 20)

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

5-9-7

TOP CHORD 1-3=-2000/422, 3-4=-1722/307 **BOT CHORD** 1-7=-477/1835, 6-7=-352/1237

WEBS 3-7=-345/232, 4-7=-28/589, 4-6=-1715/456

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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 18-6-12 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

8-11-1

- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 1 and 313 lb uplift at joint 6.
- 7) 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.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 775 lb down and 199 lb up at 13-7-6 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

### LOAD CASE(S) Standard

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

Vert: 6-8=-20, 1-5=-64

SISTERED WAY

EXPIRES: 12-31-2019 November 20,2018

# 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 localizes with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, cerction and bracing of trusses and truss systems, see AntyTP10 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	Pacific Crest Construction
18-OT2432-A	B02	MONO TRUSS	33	1	K5420359  Job Reference (optional)

CLACKAMAS, OR - 97015,

8.220 s Oct 6 2018 MiTek Industries, Inc. Tue Nov 20 11:40:58 2018 Page 2 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-ReA9AXonFGkiWkFAyl1FQh9nShPY2WP6WbEUmqyHlbJ

LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 4=-750(F)

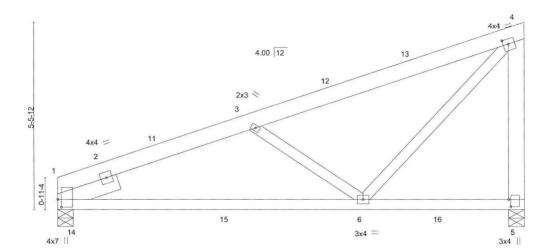




Job Truss Truss Type Qty Plv Pacific Crest Construction K5420360 B03 18-OT2432-A 8 Monopitch Job Reference (optional) 8.220 s Oct 6 2018 MiTek Industries, Inc. Tue Nov 20 11:40:59 2018 Page 1 CLACKAMAS, OR - 97015. Precision Truss & Lumber, Inc. ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-vrkXOtoP0ZsZ7uqMVTYUzvhzY4oun0FGIFz2IGyHlbI

13-7-8 0-0-2 13-7-6 7-9-15

Scale = 1:32.4



8-11-1 13-7-8 8-11-1 4-8-7

5-9-7

Plate Offse	ets (X,Y) [1:0	0-2-12,0-1-4], [4:0-1-12,0	0-1-12], [5:0-2	2-8,0-0-12]		_						
LOADING TCLL (Roof Snor	25.0 w=25.0)	SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI. TC BC	0.31 0.71	DEFL. Vert(LL) Vert(CT)	in -0.19 -0.25	(loc) 6-9 6-9	I/defl >868 >645	L/d 360 240	PLATES MT20	<b>GRIP</b> 185/148
TCDL BCLL BCDL	7.0 0.0 * 10.0	Rep Stress Incr Code IBC2015/TF	NO PI2014	WB Matri	0.31 x-MS	Horz(CT) Wind(LL)	0.01 0.01	5 6	n/a >999	n/a 240	Weight: 75 lb	FT = 0%

**BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E

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

**WEBS** 2x4 HF Std \*Except\* 4-5: 2x6 DF 1800F 1.6E

SLIDER Left 2x6 DF No.2 1-10-6

REACTIONS. 1=563/0-5-8, 5=1313/0-5-8 (lb/size)

Max Horz 1=203(LC 13)

Max Uplift 1=-106(LC 10), 5=-303(LC 14) Max Grav 1=589(LC 20), 5=1419(LC 20)

FORCES. (ib) - Max. Comp./Max. Ten. - All forces 250 (ib) or less except when shown. TOP CHORD 1-3=-1004/228, 3-4=-575/109, 4-5=-1380/402

**BOT CHORD** 1-6=-288/929 **WEBS** 3-6=-585/266, 4-6=-88/616

### NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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 13-4-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 2) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.00
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 1 and 303 lb uplift at joint 5.
- 7) 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.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 775 lb down and 228 lb up at 13-4-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

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

Vert: 1-4=-64, 5-7=-20

Portland Permit Number

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

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

except end verticals.

STERED PROFES, 9200P

> EXPIRES: 12-31-2019 November 20,2018

Continued on page 2

🗥 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

ANSITPI1 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	Pacific Crest Construction
18-OT2432-A	B03	Monopitch	8	1	K5420360
					Job Reference (optional)

CLACKAMAS, OR - 97015,

8.220 s Oct 6 2018 MiTek Industries, Inc. Tue Nov 20 11:40:59 2018 Page 2 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-vrkXOtoP0ZsZ7uqMVTYUzvhzY4oun0FGIFz2IGyHlbI

LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 4=-750(F)





Job Truss Type Qtv Plv Pacific Crest Construction Truss K5420361 18-OT2432-A B04 GABLE Job Reference (optional) 8.220 s Oct 6 2018 MiTek Industries, Inc. Tue Nov 20 11:41:01 2018 Page 1 Precision Truss & Lumber, Inc. CLACKAMAS, OR - 97015. ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-rDrloZqgYB6HNC\_Idtby2KnNuuclFzVZCZS9N9yHlbG 13-7-6 13-7-8 0-0-2 5-9-7 7-9-15 Scale: 3/8"=1" 3x4 || 11 2x3 || 10 2x3 || 4.00 12 2x3 || 2x3 || 2x3 || 2x3 || 5-5-12 2x3 || 2x3 || 21 3 4x4 = 0-11-4 4x7 | 20 19 18 17 26 16 27 15 28 14 29 13 12 2x3 2x3 2x3 || 2x3 | 2x3 || 2x3 || 2x3 || 2x3 || 3x4 || 8-11-1 8-11-1 Plate Offsets (X,Y)--[1:0-2-0,0-1-2], [11:0-2-0,0-1-0], [12:0-2-0,0-0-12] LOADING (psf) **PLATES GRIP** SPACING-2-0-0 DEFL in (loc) I/defl L/d 25.0 TCLL Plate Grip DOL 1.15 0.06 999 MT20 185/148 TC Vert(LL) n/a n/a (Roof Snow=25.0) 1.15 BC 0.18 Vert(CT) n/a n/a 999 Lumber DOL TCDL 7.0 Rep Stress Incr NO WB 0.07 Horz(CT) 0.00 12 n/a n/a 0.0 \* BCLL Code IBC2015/TPI2014 Matrix-S Weight: 86 lb FT = 0% BCDL 10 0 BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x6 DF 1800F 1.6E

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

2x6 DF 1800F 1.6E WEBS OTHERS 2x4 HF Std

SLIDER Left 2x4 HF Std 1-10-6

REACTIONS. All bearings 13-7-8.

(lb) - Max Horz 1=211(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 20, 19, 18, 17, 16, 15, 14, 13 except

12=-163(LC 14)

All reactions 250 lb or less at joint(s) except 1=288(LC 36), 12=793(LC

20), 20=338(LC 37), 19=281(LC 38), 18=298(LC 39), 17=295(LC 40), 16=296(LC

41), 15=294(LC 42), 14=288(LC 43), 13=320(LC 44)

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

TOP CHORD 1-3=-314/170, 11-12=-781/269

# NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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 13-4-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 2) 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) Unbalanced snow loads have been considered for this design.
- 5) Gable requires continuous bottom chord bearing. 6) Gable studs spaced at 1-4-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 19, 18, 17, 16, 15, 14, 13 except (jt=lb) 12=163.
- 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.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 775 lb down and 228 lb up at 13-4-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

# LOAD CASE(S) Standard

Continued on page 2

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

Permit Number

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

except end verticals.

EXPIRES: 12-31-2019 November 20,2018

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

ANSITPI1 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	Pacific Crest Construction K5420361
18-OT2432-A	B04	GABLE	1	1	
					Job Reference (optional)

CLACKAMAS, OR - 97015,

8.220 s Oct 6 2018 MiTek Industries, Inc. Tue Nov 20 11:41:01 2018 Page 2 ID:3zWog0NpzQ0Bu6J\_Hmq9nJyLrA\_-rDrloZqgYB6HNC\_Idtby2KnNuuclFzVZCZS9N9yHlbG

# LOAD CASE(S) Standard

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

Vert: 1-11=-64, 1-12=-20 Concentrated Loads (lb) Vert: 11=-750(F)

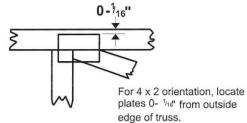


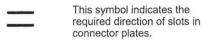
# **Symbols**

# PLATE LOCATION AND ORIENTATION



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





<sup>\*</sup> 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.

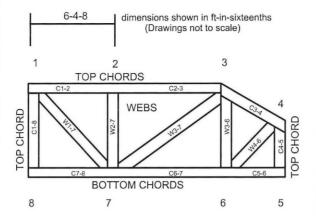
DSB-89: Design Standard for Bracing.

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

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- 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.
- 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.
- 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.
- 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.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- 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.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- 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.