City of Portland, Oregon - Bureau of Development Services

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

Deferred Submittal Requirements and Application

Applicants will provide:

- [x] A copy of this application
- [x] Three (3) sets of plans
- [x] Two (2) set of calculations
- [x] Two (2) sets of product information

  Drawings and calculations must be stamped and signed by an Engineer registered in Oregon and approved by the Architect/Engineer of record for the building.

- [ ] Permit fee (paid at time of submittal)
- [ ] If the DFS includes exterior elements, plan views and elevations identifying the location(s) as approved by the Architect and Engineer of Record must be submitted.
- [x] One (1) copy of your main building permit approved plans (NOTE: Approved plans do not need to be submitted if your project has a development liaison assigned.)

Contractor submittal information:

Contact name John Eckart - Pacific Crest Construction

Address 24111 NE Halswy Dtreet

City Troutdale State OR Zip Code 97060

Phone 503-522-5183 E-mail johnepcc14@gmail.com

Value of deferred submittal $27,000.00 Issued main building permit # 17-174941-000-00-CC

Job site address 3860 SE 11th Avenue, Portland, Oregon

Description/Scope of work Truss Package

Fees

Deferred submittal (DFS) fees are collected in addition to the standard building review fee paid on the main building permit. DFS fees cover the cost of the additional processing and review time associated with the design build element.

The DFS fee for processing and reviewing deferred plan submittals is 10 percent of the building permit fee calculated using the value of the particular deferred portion of the project.,

Minimum fee: Residential, one and two family dwelling ...$123 for DFS with valuation of less than or equal to $222,000

Commercial and all other projects .....$307 for DFS with valuation of less than or equal to $680,000

The Bureau of Development Services (BDS) fee schedule is also available on the BDS web site at ***www.portlandoregon.gov/bds*** | select the Fees tab.

Helpful Information

Bureau of Development Services
1900 SW 4th Avenue, Portland, OR 97201

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

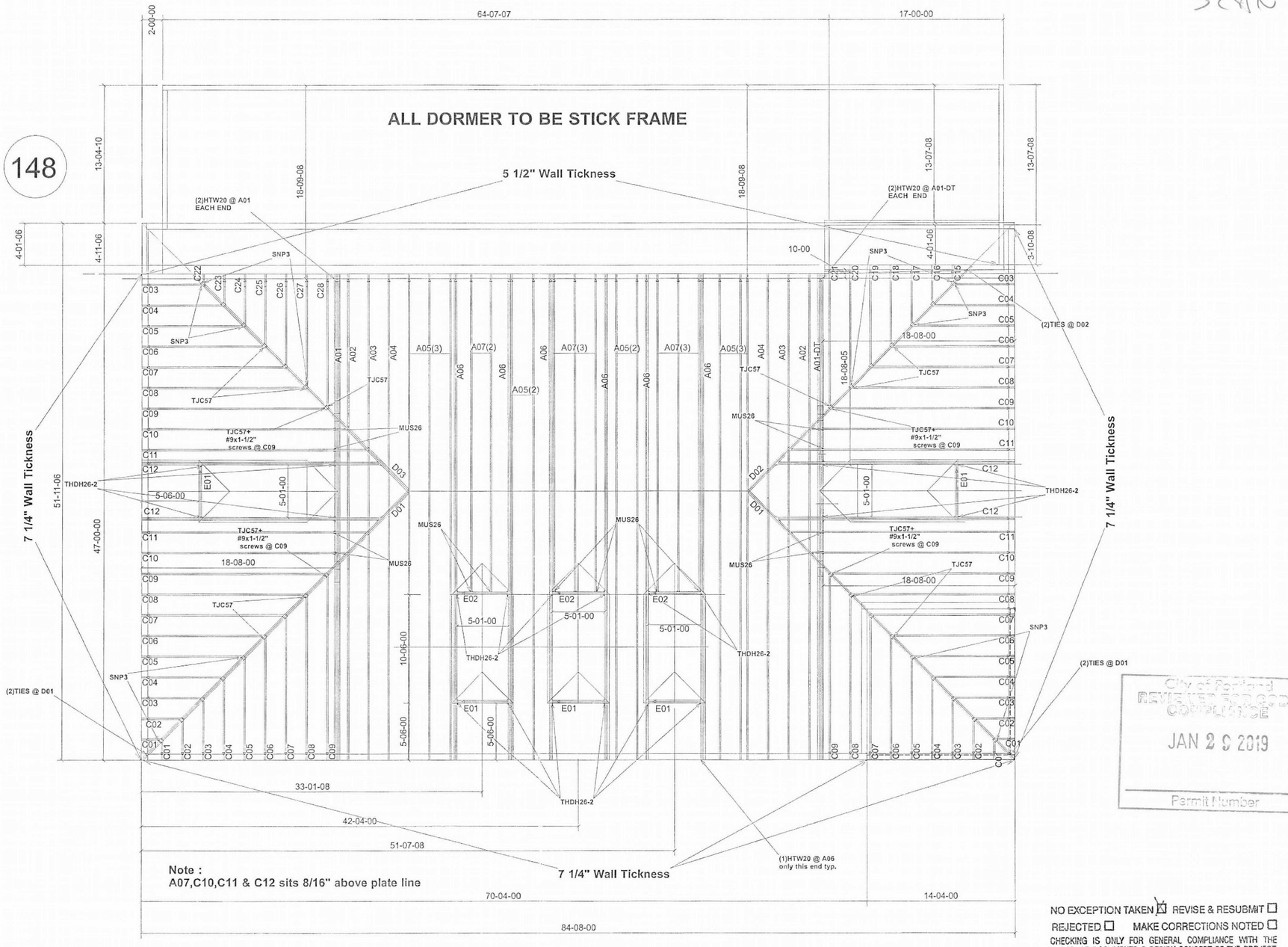
Important Telephone Numbers

BDS main number	503-823-7300
DSC automated information line	503-823-7310
Building code information	503-823-1456
BDS 24 hour inspection request line	503-823-7000
Residential information for one and two family dwellings	503-823-7388
City of Portland TTY	503-823-6868

Information is subject to change.

148

ALL DORMER TO BE STICK FRAME



PRECISION TRUSS & LUMBER 11550 SE Jennifer St Clackamas, OR 97015 (503) 656-2983 (503) 656-2647	Client: Pacific Crest Construction	
	Plan : SHPC	Quote :
	Sales : Oscar Trigueros	Order:18-OT2432-B
	Site : Portland, Oregon.	Lot :
	Pitch: 4/12 Overhang 0	Loading: 25-7-10 Date: 11-05-18

City of Portland
REVIEWED FOR CODE COMPLIANCE
JAN 29 2019
Permit Number

NO EXCEPTION TAKEN ☒ 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 Peder Nelsen DATE 01/04/2019

SCAN

DFS 01 CO

17-17441

SCAN

1

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 ☒ 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 Peder Nolberg DATE 01/04/2019
52 pages

SCAN

REGISTERED PROFESSIONAL ENGINEER
86809PE
OREGON
JULY 10, 2012
CHAD M. KOMNICK
EXPIRES: 06-30-2019

December 7,2018

Komnick, Chad

City of Portland
REVIEWED FOR CODE COMPLIANCE
JAN 29 2019
Permit Number

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.

17-174911 DES 01 CO

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	A01	CALIFORNIA GIRDER	1	4	K5480597

Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:10:41 2018 Page 1
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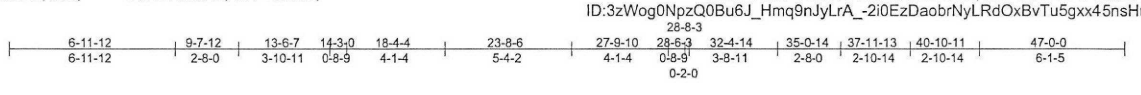

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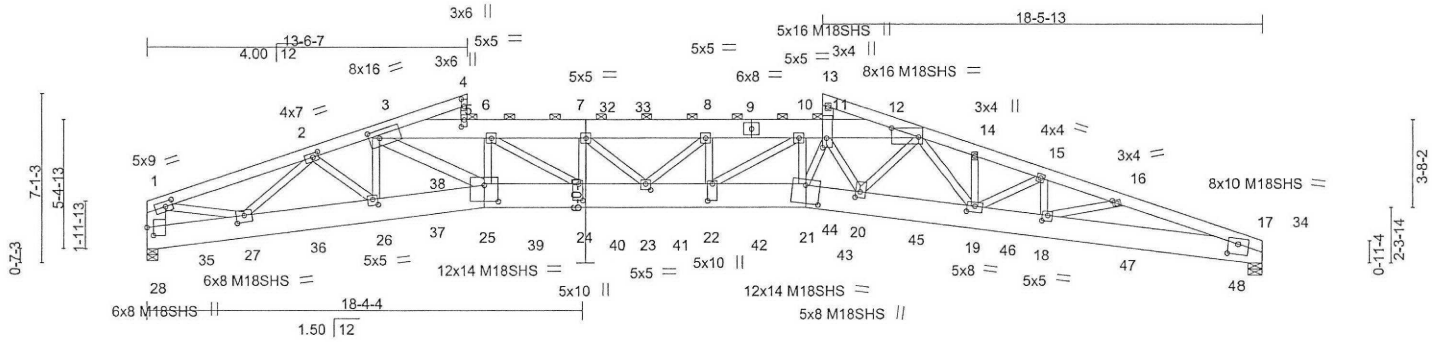


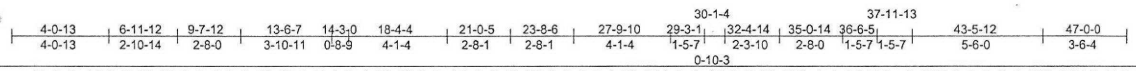


Plate Offsets (X,Y)-- [1:0-3-11,0-2-8], [2:0-3-0,0-2-0], [3:0-5-4,0-4-0], [4:0-3-12,0-1-8], [5:0-3-8,0-1-8], [11:0-4-12,0-2-0], [12:1-1-11,Edge], [16:0-2-0,0-1-12], [17:0-5-0,0-5-2], [18:0-2-8,0-3-0], [19:0-4-0,0-3-0], [20:0-3-0,0-2-4], [21:0-7-6,0-9-4], [22:0-8-8,0-2-8], [23:0-2-8,0-3-0], [24:0-8-4,0-2-0],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

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

LUMBER-

TOP CHORD 2x6 DF 2500F 2.2E *Except*
9-12,3-9: 2x10 DF SS
BOT CHORD 2x12 DF SS *Except*
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)

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 WS6, 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.

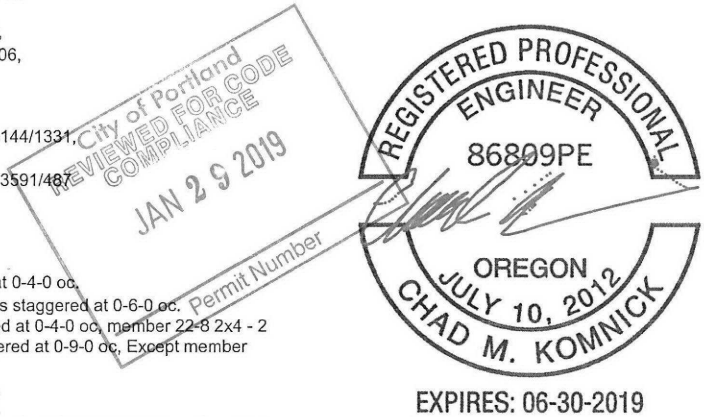
PLY-TO-PLY CONNECTION REQUIRES THAT AN APPROVED FACE MOUNT HANGER (SPECIFIED BY OTHERS) IS REQUIRED FOR LOADS REPORTED IN NOTES. FACE MOUNT HANGER SHALL BE ATTACHED WITH A MINIMUM OF 0.148"x 3" NAILS PER HANGER MANUFACTURER SPECIFICATIONS.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) 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
WEBS 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-

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 on page 2
have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.



EXPIRES: 06-30-2019
December 7,2018

MiTek
250 Klug Circle
Corona, CA 92880

NOTES-

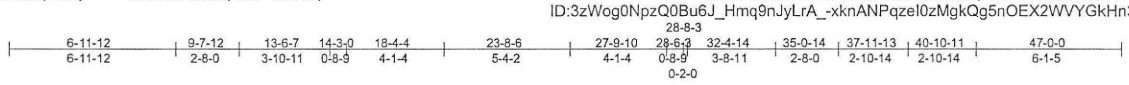
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-10; Pf=25.0 psf (flat 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), 21-43=-370(F=-350), 29-43=-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 Crest Constr.
18-OT2432-B	A01DT- **Cond1**	CALIFORNIA GIRDER	1	4	K5480598
					Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:02 2018 Page 1
ID:3zWog0NpzQ0Bu6J_Hmq9nJyLrA_-xknANPqzeI0zMgkQg5nOEX2WVYGkHn31xER8EpyBQsN



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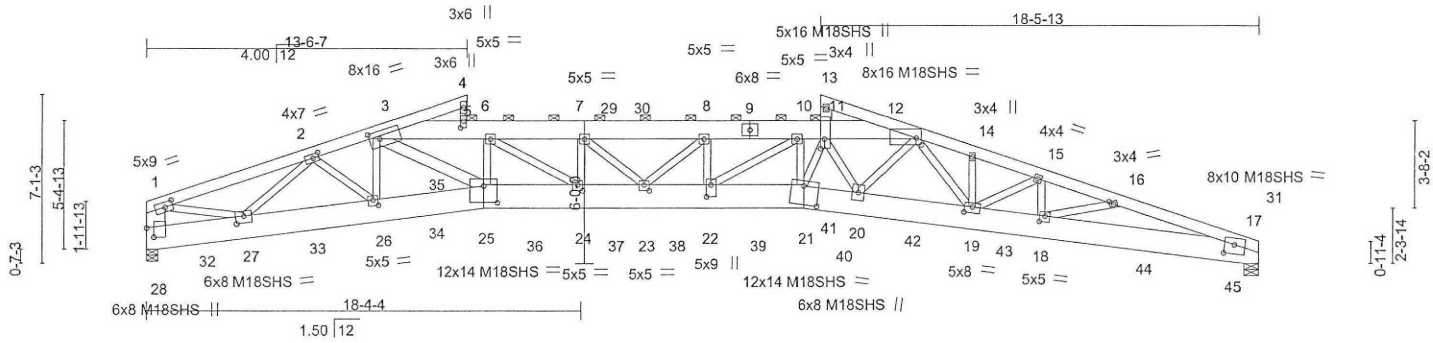


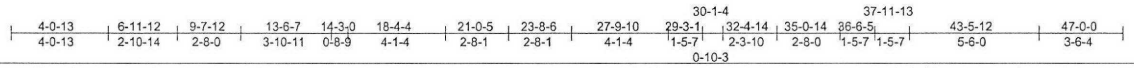


Plate Offsets (X,Y)-- [1:0-4-0,0-2-8], [2:0-3-0,0-2-0], [3:0-5-4,0-4-0], [5:0-3-8,0-1-8], [11:0-4-12,0-2-0], [12:0-2-12,0-3-8], [16:0-2-0,0-1-12], [17:0-5-0,0-4-10], [18:0-2-8,0-3-0], [19:0-4-0,0-3-0], [21:0-7-12,0-9-8], [22:0-6-0,0-2-4], [23:0-2-8,0-3-0], [24:0-2-8,0-3-0], [25:0-7-0,0-8-8], [26:0-2-8,0-3-0], [27:0-4-0,0-3-8], [28:0-4-11,0-3-10]

LOADING (psf)		**SPACING-**	1-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	25.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.52	22	>999	360	MT20	137/130
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.92	Vert(CT)	-1.34	21-22	>416	240	M18SHS	137/130
TCDL	20.0	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.47	17	n/a	n/a		
BCLL	0.0	Code IBC2015/TPI2014		Matrix-S		Wind(LL)	0.49	21-22	>999	240	Weight: 1827 lb	FT = 0%
BCDL	20.0											

LUMBER- [MCT]

TOP CHORD 2x6 DF 2500F 2.2E *Except*
9-12,3-9: 2x10 DF SS
BOT CHORD 2x12 DF SS *Except*
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

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:
6-0-0 oc bracing: 27-28
2-2-0 oc bracing: 20-21.

REACTIONS. (lb/size) 17=10665/0-7-4, 28=12018/0-5-8
Max Horz 28=-202(LC 40)
Max Uplift 17=-2953(LC 33), 28=-2014(LC 32)
Max Grav 17=12032(LC 54), 28=12621(LC 55)

Alternate to 1/2" dia. bolts and washers specified in note 2:
USP WS6, 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.

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

TOP CHORD 1-2=-20365/3274, 2-3=-36081/5716, 3-4=-618/613, 3-5=-57248/9420, 5-6=-57465/9614, 6-7=-64358/10948, 7-8=-67489/12118, 8-10=-69760/13004, 10-11=-67214/12459, 11-12=-55553/10201, 12-13=-598/585, 12-14=-47790/9771, 14-15=-48524/10361, 15-16=-44812/10059, 16-17=-41778/10369, 1-28=-10852/1749
BOT CHORD 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
WEBS 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

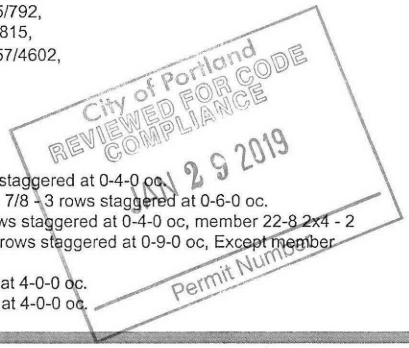
PLY-TO-PLY CONNECTION REQUIRES THAT AN APPROVED FACE MOUNT HANGER (SPECIFIED BY OTHERS) IS REQUIRED FOR LOADS REPORTED IN NOTES. FACE MOUNT HANGER SHALL BE ATTACHED WITH A MINIMUM OF 0.148"x 3" NAILS PER HANGER MANUFACTURER SPECIFICATIONS.

NOTES-

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.

Continued on page 2

EXPIRES: 06-30-2019
December 7,2018



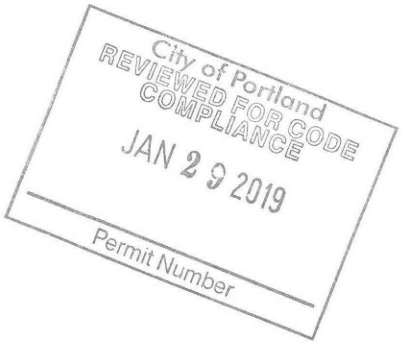
MiTek
250 Klug Circle
Corona, CA 92880

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	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	A01DT- **Cond2**	CALIFORNIA GIRDER	1	**4**	K5480598
					Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:05 2018 Page 1
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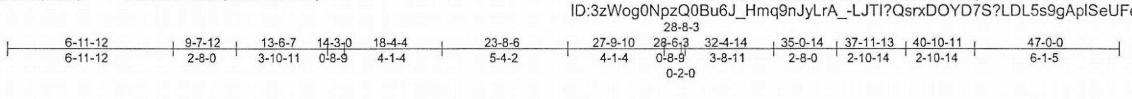

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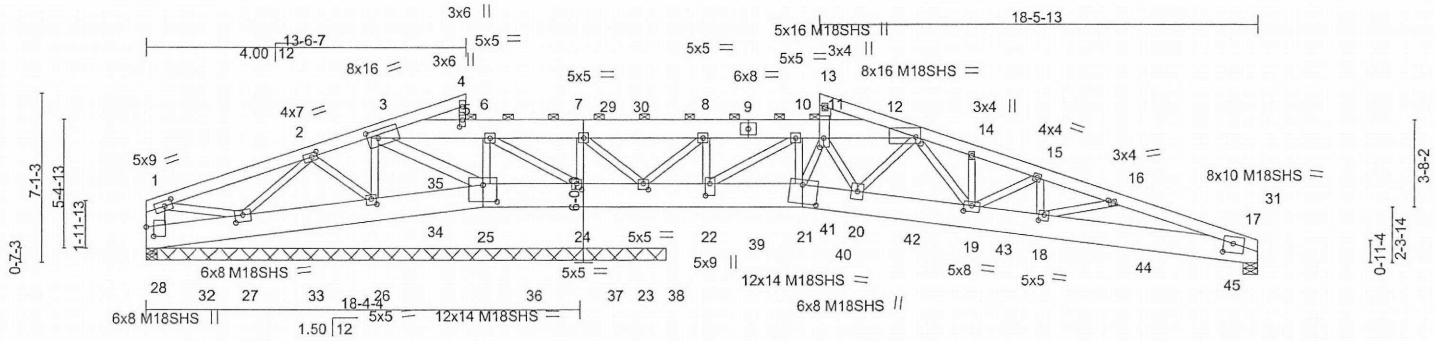


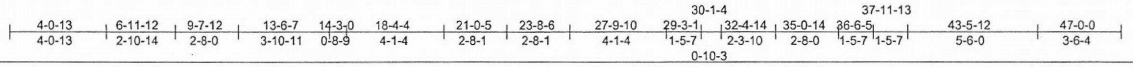


Plate Offsets (X,Y)-- [1:0-4-0,0-2-8], [2:0-3-0,0-2-0], [3:0-5-4,0-4-0], [5:0-3-8,0-1-8], [11:0-4-12,0-2-0], [12:0-2-12,0-3-8], [16:0-2-0,0-1-12], [17:0-5-0,0-4-10], [18:0-2-8,0-3-0], [19:0-4-0,0-3-0], [21:0-7-12,0-9-8], [22:0-6-0,0-2-4], [23:0-2-8,0-3-0], [24:0-2-8,0-3-0], [25:0-7-0,0-8-8], [26:0-2-8,0-3-0], [27:0-4-0,0-3-8], [28:0-4-11,0-3-10]

LOADING (psf)		SPACING-	1-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.05	19	>999	360	MT20	137/130
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.11	19	>999	240	M18SHS	137/130
TCDL	20.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.03	17	n/a	n/a		
BCLL	0.0	Code IBC2015/TPI2014		Matrix-S		Wind(LL)	0.05	19	>999	240	Weight: 1827 lb	FT = 0%
BCDL	20.0											

LUMBER- [MCT]

TOP CHORD 2x6 DF 2500F 2.2E *Except* 9-12,3-9: 2x10 DF SS
BOT CHORD 2x12 DF SS *Except* 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

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 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 20-21,18-19.

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.

REACTIONS. All bearings 22-0-0 except (jt=length) 17=0-7-4, 28=0-5-8, 28=0-5-8.
(lb) - Max Horz 28=-202(LC 40)
Max Uplift All uplift 100 lb or less at joint(s) 28 except 17=-1164(LC 41), 28=-982(LC 34), 25=-1291(LC 39), 27=-566(LC 34), 26=-226(LC 38), 24=-1951(LC 54), 23=-4102(LC 41)
Max Grav All reactions 250 lb or less at joint(s) except 17=2929(LC 54), 28=859(LC 41), 25=5573(LC 54), 27=498(LC 41), 26=785(LC 67), 24=957(LC 41), 23=18237(LC 54)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1365/1611, 2-3=-1978/2693, 3-4=-616/600, 3-5=-2334/4673, 5-6=-2318/4569, 6-7=-3476/7994, 7-8=-3959/10465, 8-10=-1857/2570, 10-11=-8800/1683, 11-12=-9013/1493, 12-13=-598/590, 12-14=-9178/2111, 14-15=-9664/2723, 15-16=-9585/3135, 16-17=-9824/4088, 1-28=-774/909
BOT CHORD 27-28=-1444/1482, 26-27=-2113/1630, 25-26=-3248/2705, 24-25=-4937/3272, 23-24=-8142/3844, 22-23=-3389/2834, 21-22=-3993/10438, 20-21=-4240/11894, 19-20=-4151/10532, 18-19=-3792/9843, 17-18=-3508/8912
WEBS 1-27=-1455/1261, 2-26=-1165/1007, 3-26=-1003/876, 3-25=-3834/2010, 6-25=-2634/1111, 6-24=-4470/1632, 10-22=-11777/2025, 10-21=-968/5050, 11-21=-3650/544, 16-18=-310/903, 7-24=-1265/3378, 8-23=-10543/1496, 8-22=-892/6801, 4-5=-5269/713, 2-27=-1606/2079, 11-20=-1708/379, 12-20=-354/2159, 7-23=-4551/1846, 15-18=-830/413, 15-19=-424/718, 12-19=-267/294

NOTES-
1) N/A

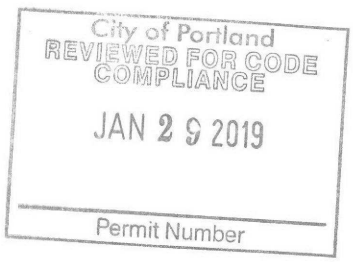
Continued on page 2

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.
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=1164, 28=982, 25=1291, 27=566, 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), 21-40=-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 Crest Constr.
18-OT2432-B	A02	CAL HIP SCISSOR	2	1	K5480599
					Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:07 2018 Page 1
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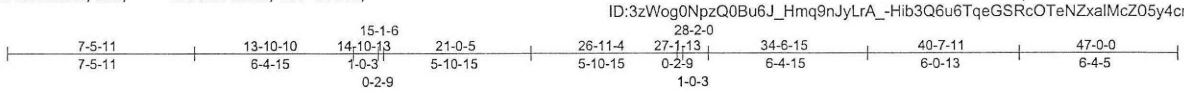

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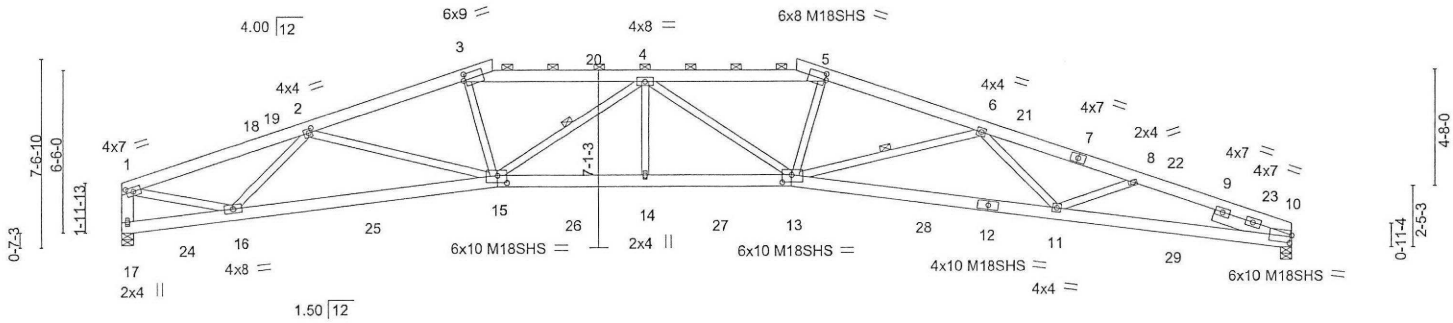

4-5-5	13-10-10	15-1-6	21-0-5	26-11-4	28-2-0	37-7-5	47-0-0
4-5-5	9-5-5	1-2-12	5-10-15	5-10-15	1-2-12	9-5-5	9-4-11

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	-0.61	11-13	>916	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.71	Vert(CT)	-1.01	11-13	>553	240	M18SHS	185/148
TCDL	7.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.43	10	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	Matrix-R		Wind(LL)	0.37	11-13	>999	240	Weight: 287 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x6 DF 1800F 1.6E
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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (3-8-5 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-15, 6-13

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 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) 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.

EXPIRES: 06-30-2019
December 7,2018

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	A03	CAL HIP SCISSOR	2	1	K5480600
					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
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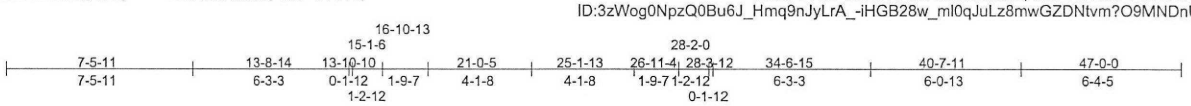

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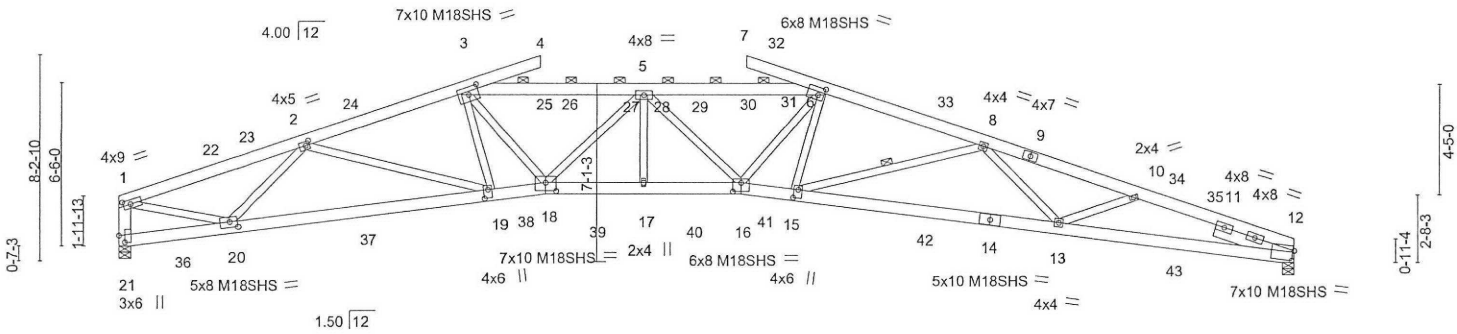

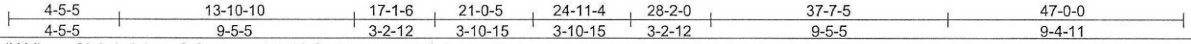

Plate Offsets (X,Y)-- [1:0-3-8,0-2-0], [2:0-2-0,0-2-0], [3:0-5-0,0-3-12], [6:0-2-12,0-3-12], [12:0-0-11,0-4-13], [15:0-4-0,0-2-0], [16:0-4-0,0-4-4], [18:0-5-0,0-4-0], [19:0-4-0,0-2-0], [20:0-3-8,0-2-12], [21:0-3-2,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	-0.86	16	>652	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.87	Vert(CT)	-1.24	13-15	>454	240	M18SHS	185/148
TCDL	7.0	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.58	12	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R		Wind(LL)	0.41	16	>999	240	Weight: 302 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E *Except*
9-12: 2x6 DF 2500F 2.2E
BOT CHORD 2x6 DF 1800F 1.6E
WEBS 2x4 HF Std *Except*
1-20: 2x4 DF No.2, 1-21: 2x6 DF 1800F 1.6E
SLIDER Right 2x6 DF No.2 3-3-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (2-11-10 max.): 3-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 8-15

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)

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

REGISTERED PROFESSIONAL ENGINEER
86809PE
OREGON
JULY 10, 2012
CHAD M. KOMNICK

EXPIRES: 06-30-2019
December 7,2018

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	A04	CAL HIP SCISSOR	2	1	K5480601 Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:12 2018 Page 1
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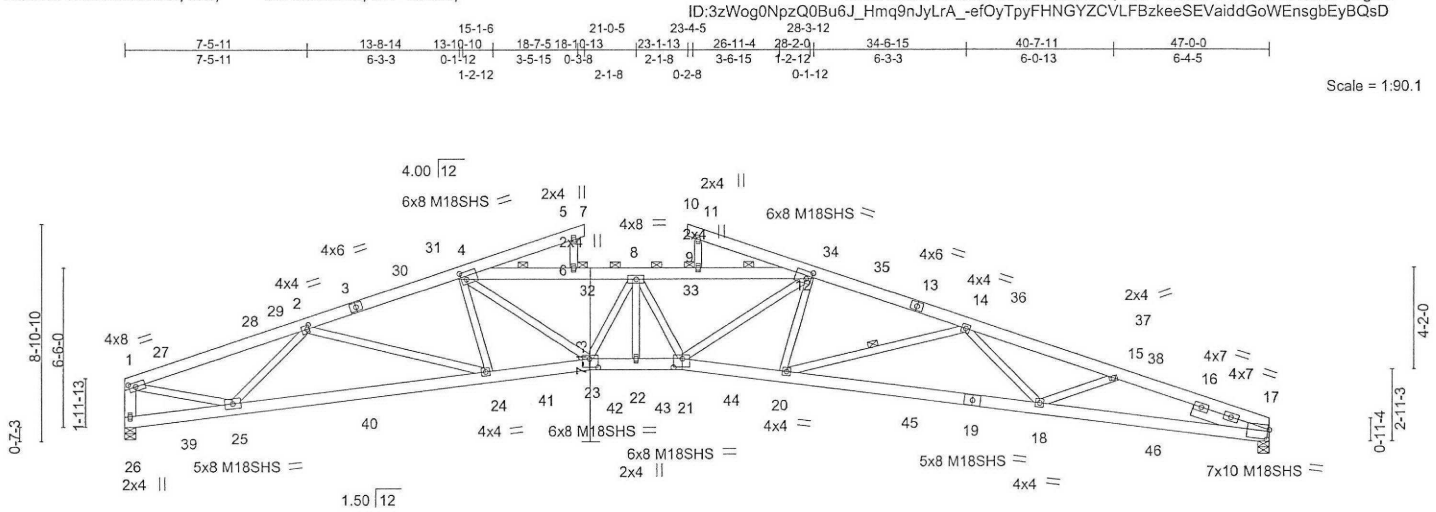

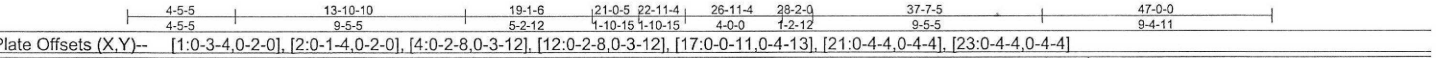

Plate Offsets (X,Y)-- [1:0-3-4,0-2-0], [2:0-1-4,0-2-0], [4:0-2-8,0-3-12], [12:0-2-8,0-3-12], [17:0-0-11,0-4-13], [21:0-4-4,0-4-4], [23:0-4-4,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.85	21	>660	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.82	Vert(CT)	-1.21	21	>463	240	M18SHS	185/148
TCDL	7.0	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.57	17	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R		Wind(LL)	0.37	21	>999	240	Weight: 316 lb	FT = 0%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-1 oc purlins, except 2-0-0 oc purlins (2-8-2 max.): 4-12. Except:
1 Row at midpt 4-6, 9-12
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 14-20

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.
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) 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.

EXPIRES: 06-30-2019
December 7,2018

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	A05	Scissor	10	1	K5480602
					Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:13 2018 Page 1
ID:3zWog0NpzQ0Bu6J_Hmq9nJyLrA_-6syKh9zt2gPPAM3YpvUzBr?QZ_4_MkPfTRcD7hyBQsC

3-10-13 3-10-14 11-6-13 21-0-5 30-5-13 30-10-7 38-1-12 41-4-7 47-0-0
3-10-13 0-0-1 7-7-15 9-5-8 9-5-8 0-4-10 7-3-5 3-2-11 5-7-9

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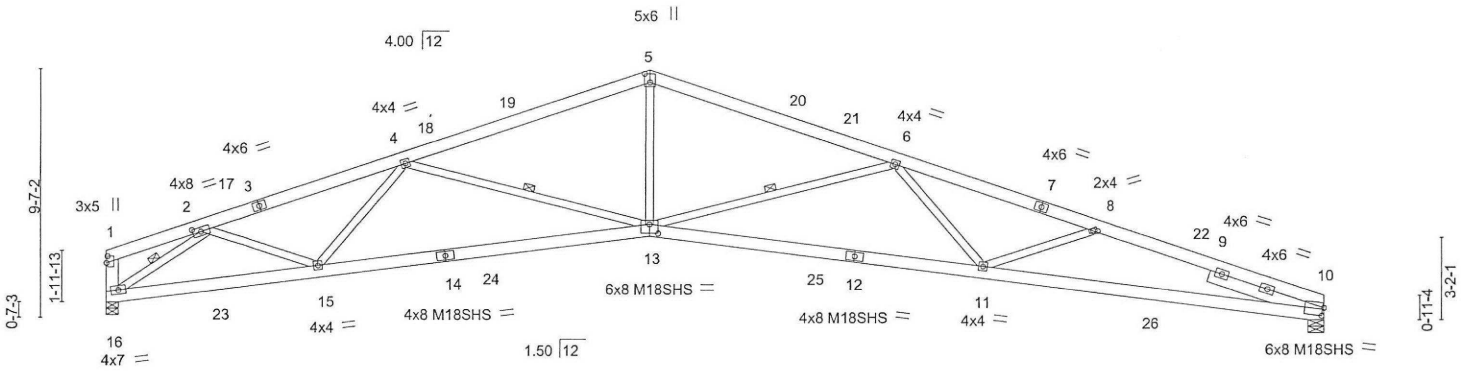

8-2-3 21-0-5 30-10-7 33-10-7 41-4-7 47-0-0
8-2-3 12-10-2 9-10-2 3-0-0 7-6-0 5-7-9

Plate Offsets (X,Y)-- [1:0-3-3,0-0-8], [2:0-3-12,0-2-0], [5:0-4-0,0-2-8], [8:0-2-0,0-0-12], [10:0-0-11,0-3-13], [13:0-4-0,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.52	11-13	>999	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.93	11-13	>605	240	M18SHS	185/148
TCDL	7.0	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.39	10	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R		Wind(LL)	0.34	11-13	>999	240	Weight: 277 lb	FT = 0%
BCDL	10.0											

LUMBER-
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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-3-0 oc bracing.
WEBS 1 Row at midpt 4-13, 6-13, 2-16

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
BOT CHORD 15-16=-504/2708, 13-15=-688/4338, 11-13=-767/5382, 10-11=-1002/5744
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; 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 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) 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) 16=330, 10=360.
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

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr. , K5480603
18-OT2432-B	A06	SCISSORS	6	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 1
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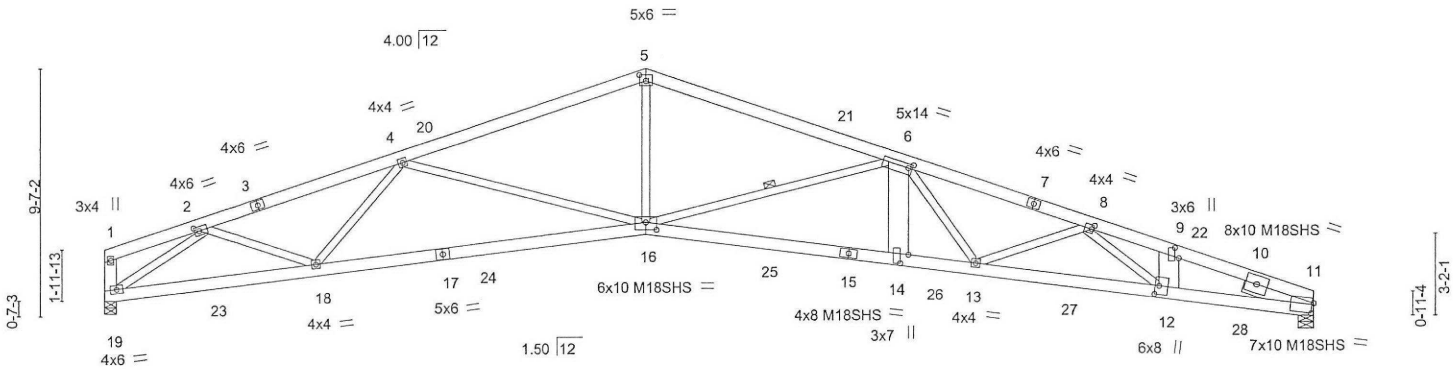
3-10-13	11-6-13	21-0-5	29-7-1	30-10-7	38-1-12	41-4-7	47-0-0
3-10-13	7-8-0	9-5-8	8-6-12	1-3-6	7-3-5	3-2-11	5-7-9

Scale = 1:85.4



8-2-3	21-0-5	30-10-7	33-10-7	41-4-7	47-0-0
8-2-3	12-10-2	9-10-2	3-0-0	7-6-0	5-7-9

Plate Offsets (X,Y)-- [2:0-2-4,0-2-0], [5:0-3-0,0-2-12], [6:0-1-14,0-2-0], [8:0-0-12,0-2-0], [9:0-4-13,0-1-14], [11:0-0-11,0-4-13], [12:0-4-0,0-1-12], [14:0-3-15,0-3-14], [16:0-5-0 ,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.55	14-16	>999	360	MT20	185/148
(Roof Snow=25.0)		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 *	Code IBC2015/TPI2014		Matrix-R		Wind(LL)	0.40	14	>999	240	Weight: 597 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E *Except*
7-11: 2x6 DF 2500F 2.2E
BOT CHORD 2x6 DF 1800F 1.6E
WEBS 2x4 HF Std *Except*
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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-16

REACTIONS. (lb/size) 19=2973/0-5-8, 11=4726/0-7-4
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.
TOP CHORD 1-2=-525/82, 2-4=-6727/1194, 4-5=-7975/1442, 5-6=-7979/1430, 6-8=-14757/2911, 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
WEBS 2-18=-265/2386, 4-18=-1346/386, 4-16=-145/869, 5-16=-652/4323, 6-16=-6216/1478, 6-13=-202/976, 8-13=-953/362, 2-19=-4789/957, 9-12=-298/1944, 8-12=-2246/456, 6-14=-362/2284

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

EXPIRES: 06-30-2019
December 7,2018

NOTES-

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)

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr. , K5480604
18-OT2432-B	A07	Scissor	8	1	Job Reference (optional) ,

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:16 2018 Page 1
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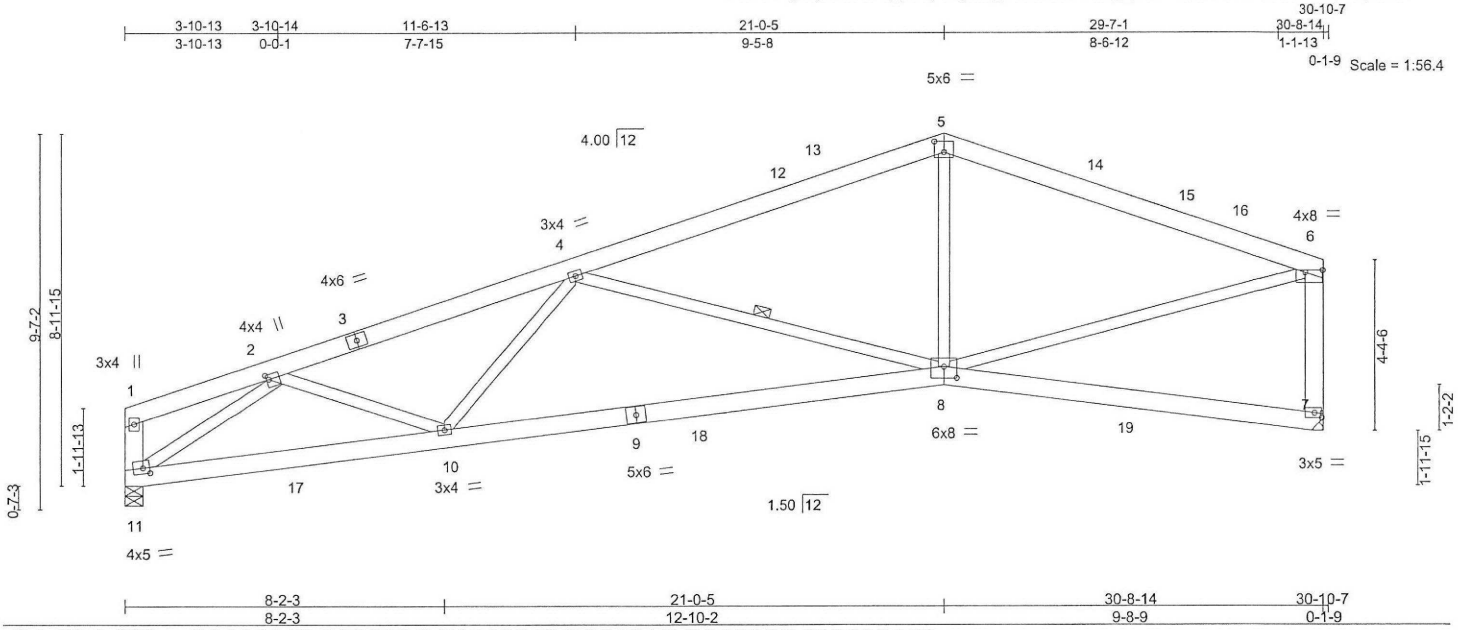

Plate Offsets (X,Y)-- [2:0-1-8,0-0-12], [5:0-3-0,0-3-4], [6:0-5-4,0-0-12], [7:0-2-4,0-1-8], [8:0-4-0,0-3-8], [11:0-2-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	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)	-0.48	8-10	>759	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.07	7	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R		Wind(LL)	0.08	8-10	>999	240	Weight: 191 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x6 DF 1800F 1.6E
WEBS 2x4 HF Std *Except*
1-11,6-7: 2x6 DF 1800F 1.6E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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.
TOP CHORD 1-2=-310/47, 2-4=-2459/444, 4-5=-1688/316, 5-6=-1687/332, 6-7=-1200/291
BOT CHORD 10-11=-478/1718, 8-10=-544/2366
WEBS 2-10=0/612, 4-10=-109/307, 5-8=0/530, 6-8=-234/1434, 4-8=-930/371, 2-11=-1962/462

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 8-6-8, 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-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) 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 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. K5480605
18-OT2432-B	C01	Roof Special	4	1	Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:16 2018 Page 1
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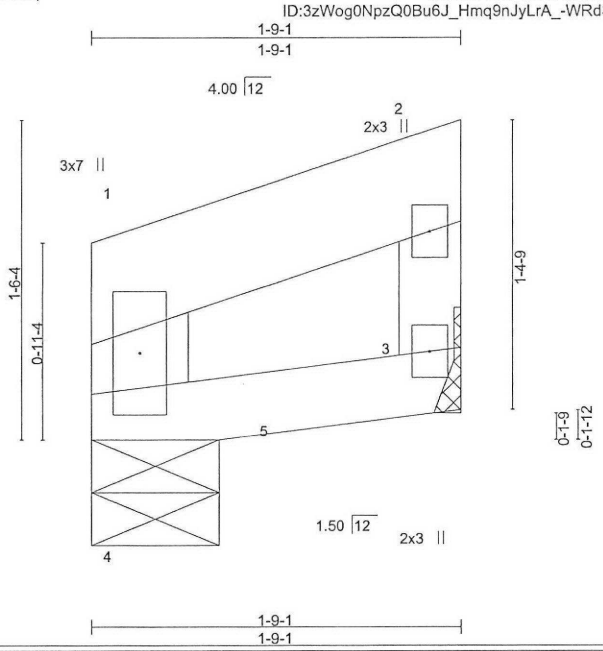


Scale = 1:10.5

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	-0.00	3-4	>999	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.00	3-4	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	Matrix-R		Wind(LL)	0.00	4	>999	240	Weight: 8 lb	FT = 0%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-10-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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)

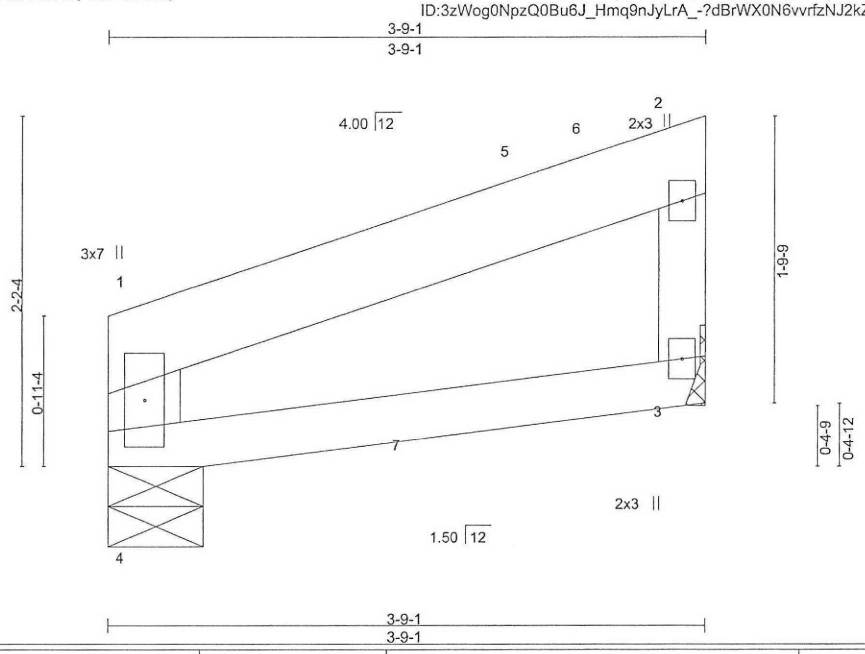
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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.

EXPIRES: 06-30-2019
December 7,2018

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C02	Roof Special	4	1	K5480606 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_-?dBrWX0N6vvrfzNJ2kZvLh9FNbWJlIUFO3aRGSyBQs8



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	-0.02	3-4	>999	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.03	3-4	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.04	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: 16 lb	FT = 0%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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.

EXPIRES: 06-30-2019
December 7,2018

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C03	Roof Special	6	1	K5480607
					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
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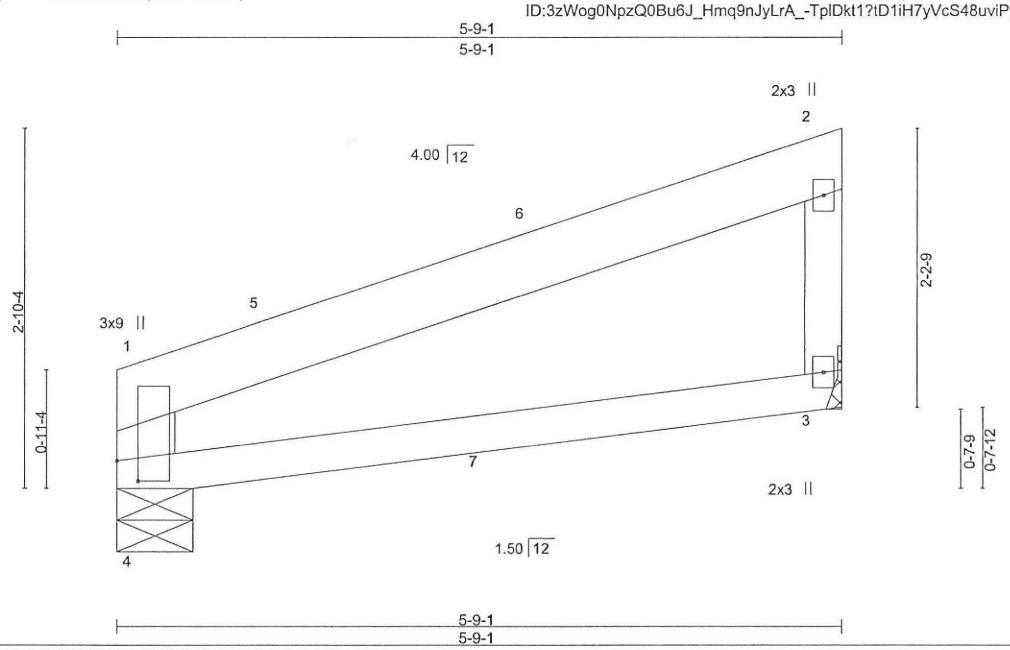

Plate Offsets (X,Y)-- [1:0-0-15,0-2-12], [1:0-1-15,0-2-0], [4:0-0-5,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.10	3-4	>661	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.13	3-4	>511	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R		Wind(LL)	0.02	3-4	>999	240	Weight: 24 lb	FT = 0%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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)

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 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 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.

EXPIRES: 06-30-2019
December 7,2018

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C04	Roof Special	6	1	K5480608
					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
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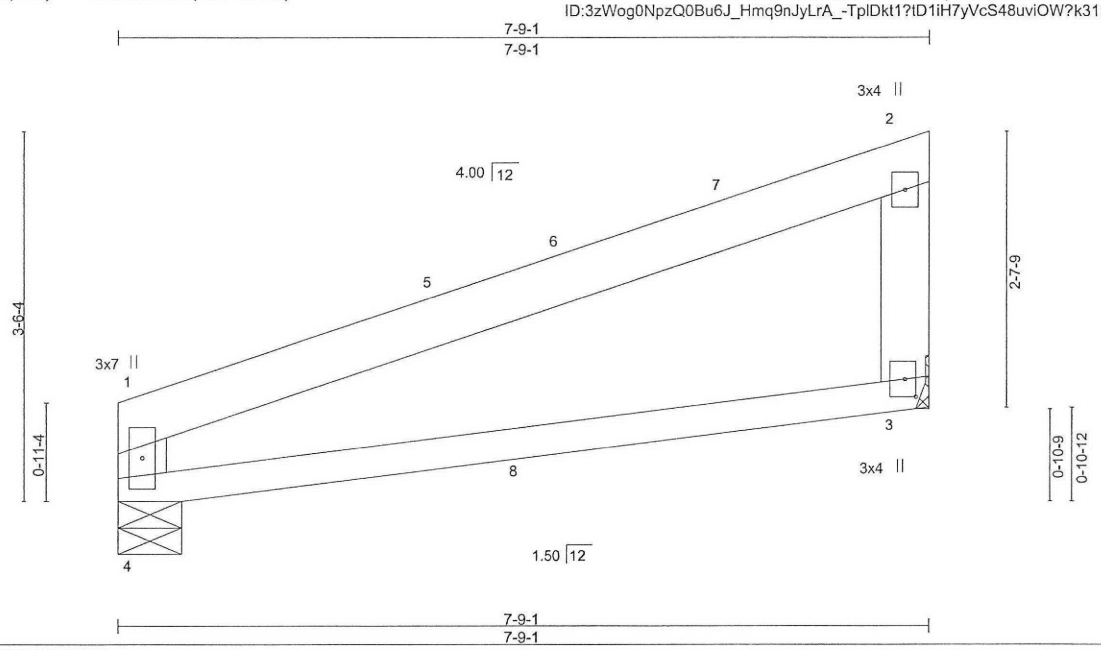

Plate Offsets (X,Y)-- [3:0-2-0,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.22	3-4	>398	360	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.30	3-4	>294	240		
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)	0.01	3-4	>999	240	Weight: 33 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2
WEBS 2x6 DF 1800F 1.6E *Except*
1-4: 2x6 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-12 oc bracing.

REACTIONS. (lb/size) 3=306/Mechanical, 4=306/0-7-4
Max Horz 4=112(LC 11)
Max Uplift 3=-78(LC 10), 4=-55(LC 10)
Max Grav 3=374(LC 29), 4=374(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-268/142

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 7-6-5 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.

City of Portland
REVIEWED FOR CODE COMPLIANCE
JAN 29 2019
Permit Number

REGISTERED PROFESSIONAL ENGINEER
86809PE
OREGON
JULY 10, 2012
CHAD M. KOMNICK

EXPIRES: 06-30-2019
December 7,2018

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C05	ROOF SPECIAL	6	1	K5480609
					Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:19 2018 Page 1
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9-9-1

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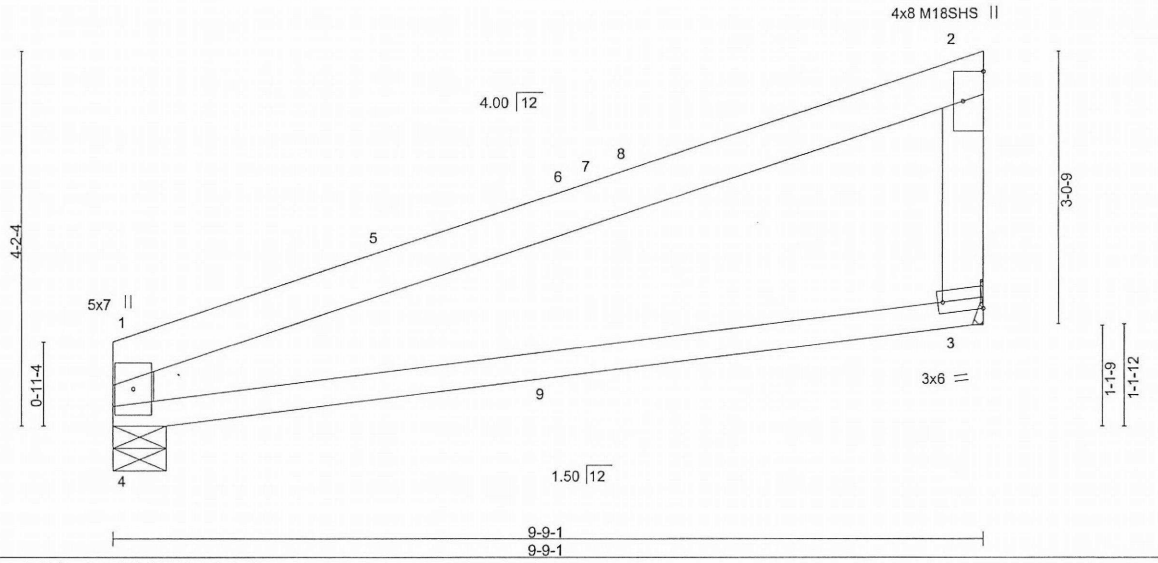

9-9-1
9-9-1

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.25	3-4	>450	360	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.94	Vert(CT)	-0.35	3-4	>320	240	M18SHS	220/195
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-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2
WEBS 2x6 DF 1800F 1.6E *Except*
1-4: 2x6 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (lb/size) 3=390/Mechanical, 4=390/0-7-4
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)

City of Portland
REVIEWED FOR CODE COMPLIANCE
JAN 29 2019
Permit Number

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

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.

REGISTERED PROFESSIONAL ENGINEER
86809PE
OREGON
JULY 10, 2012
CHAD M. KOMNICK

EXPIRES: 06-30-2019
December 7,2018

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C06	Roof Special	6	1	K5480610 Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:20 2018 Page 1
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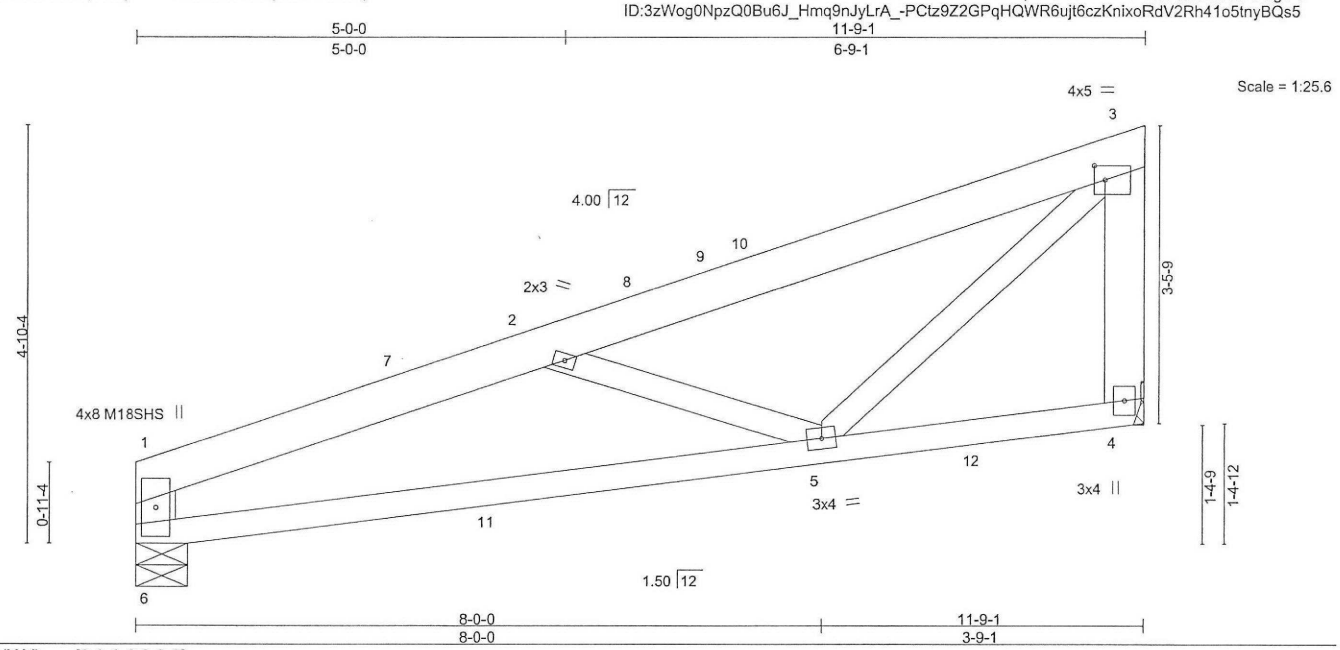

Plate Offsets (X,Y)-- [3:0-1-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.17	5-6	>788	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.23	5-6	>589	240	M18SHS	220/195
TCDL	7.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.01	4	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R		Wind(LL)	0.02	5	>999	240	Weight: 59 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2
WEBS 2x4 HF Std *Except*
3-4: 2x6 DF 1800F 1.6E, 1-6: 2x6 DF No.2

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

REACTIONS. (lb/size) 4=474/Mechanical, 6=474/0-7-4
Max Horz 6=161(LC 11)
Max Uplift 4=-120(LC 10), 6=-86(LC 10)
Max Grav 4=555(LC 20), 6=495(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-971/231, 2-3=-531/72, 3-4=-497/156, 1-6=-506/173
BOT CHORD 5-6=-326/869
WEBS 2-5=-427/237, 3-5=-24/595

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 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) 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) 6 except (jt=lb) 4=120.
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.
18-OT2432-B	C07	Roof Special	6	1	K5480611
					Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:21 2018 Page 1
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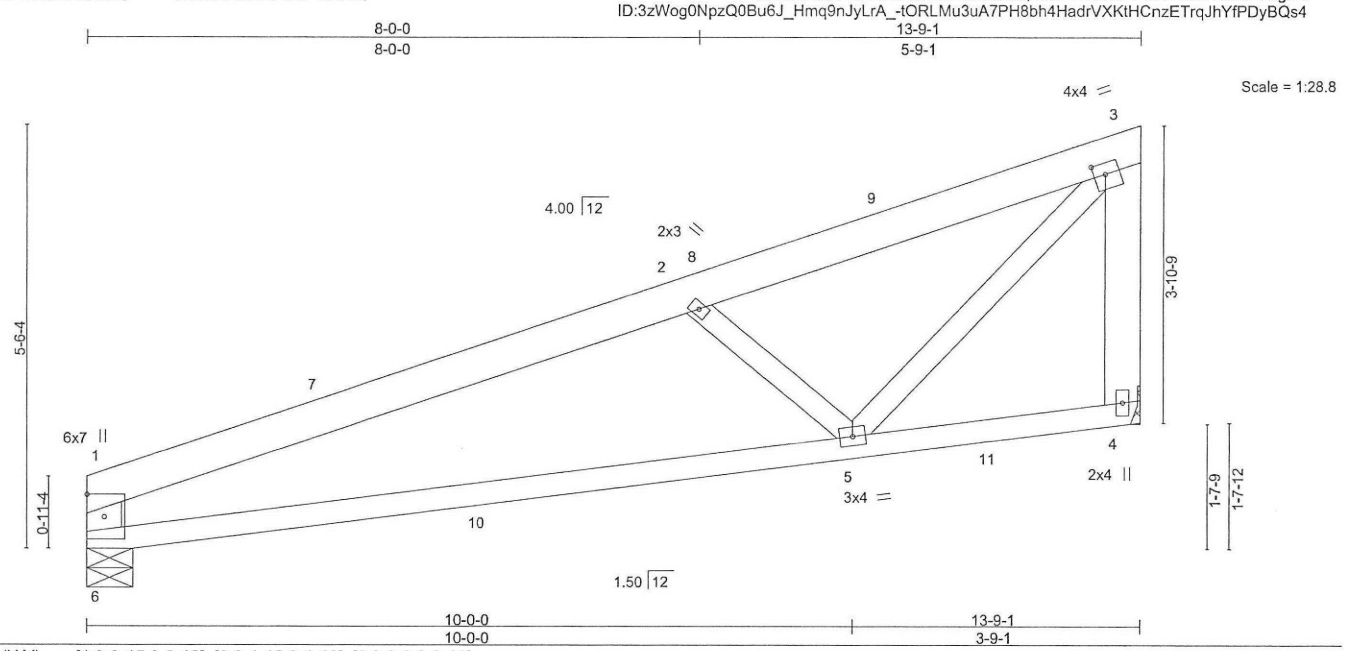

Plate Offsets (X,Y)-- [1:0-0-15,0-2-12], [3:0-1-12,0-1-12], [6:0-0-6,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.30	5-6	>538	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.42	5-6	>378	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.01	4	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	Matrix-R		Wind(LL)	0.02	5-6	>999	240	Weight: 66 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 HF Std *Except*
3-4: 2x6 DF 1800F 1.6E, 1-6: 2x6 DF No.2

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

REACTIONS. (lb/size) 4=558/Mechanical, 6=558/0-7-4
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

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C08	Roof Special	6	1	K5480612
					Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:21 2018 Page 1
ID:3zWog0NpzQ0Bu6J_Hmq9nJyLrA_-tORLMu3uA7PH8bh4HadrVXKu4CnaESUqJhYfPDyBQs4

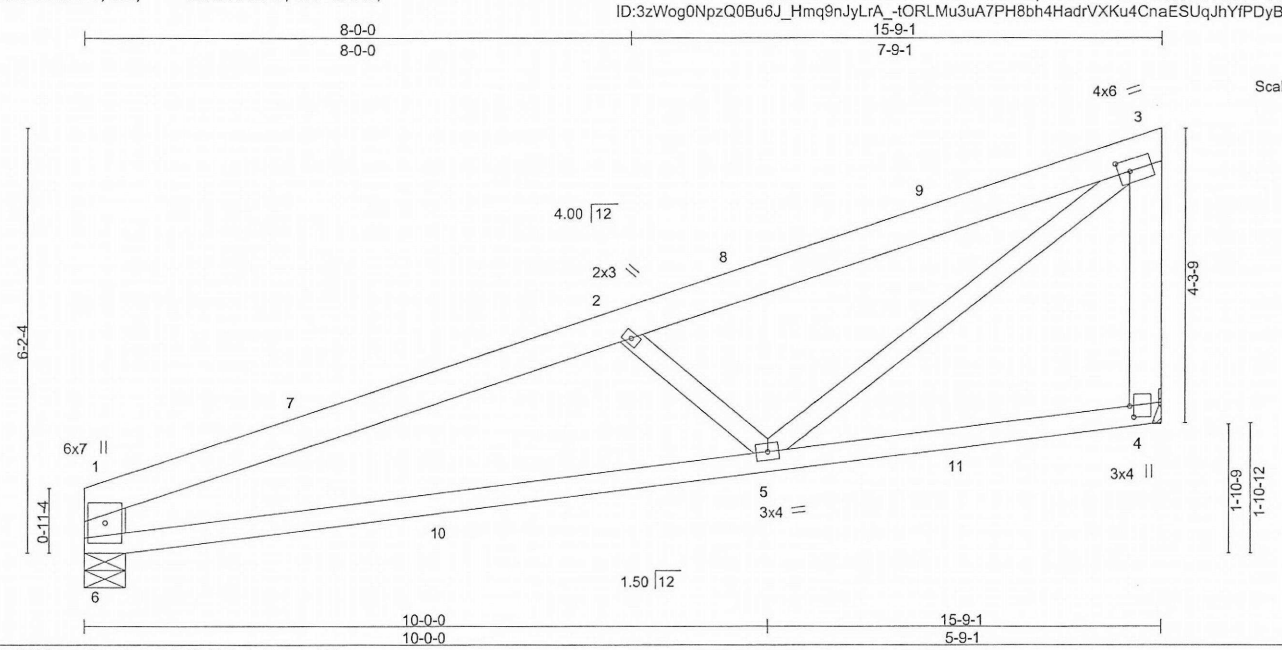

Plate Offsets (X,Y)-- [3:0-2-0,0-2-0], [4:0-1-14,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.31	5-6	>599	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.43	5-6	>426	240		
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		Matrix-R		Wind(LL)	0.04	5	>999	240	Weight: 77 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 HF Std *Except*
3-4: 2x6 DF 1800F 1.6E, 1-6: 2x8 DF No.2

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

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 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.

EXPIRES: 06-30-2019
December 7,2018

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C09	Roof Special	6	1	K5480613
					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

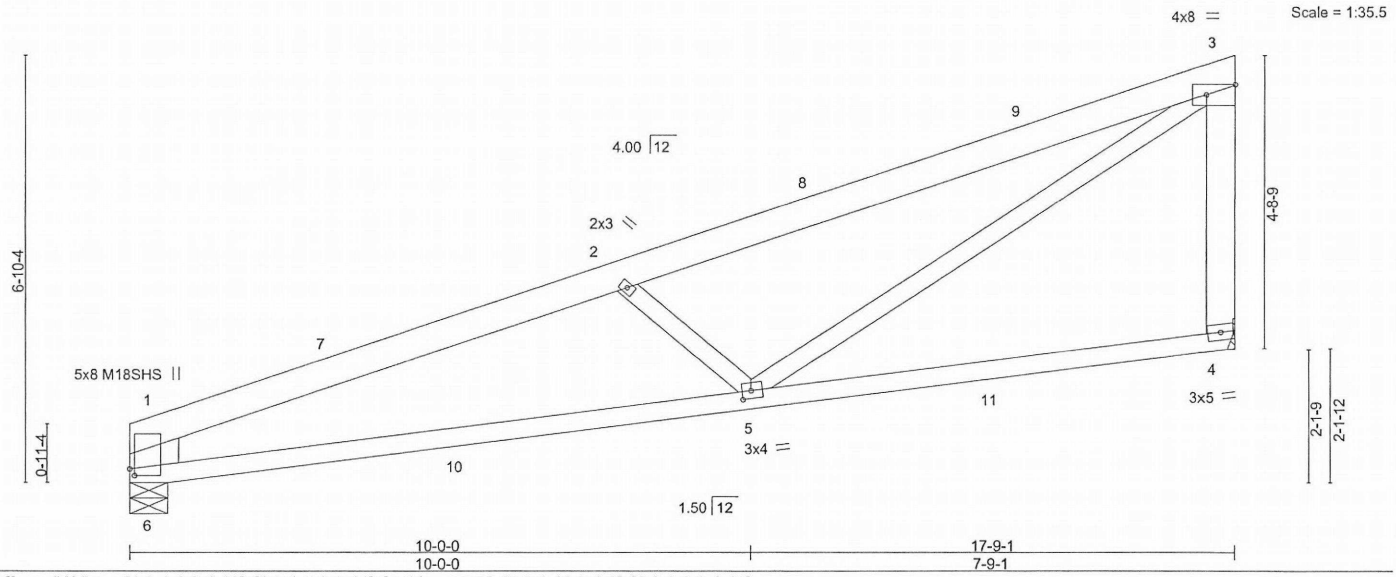

Plate Offsets (X,Y)-- [1:0-1-9,0-4-10], [1:0-1-5,0-0-14], [3:Edge,0-2-0], [5:0-1-12,0-1-8], [6:0-0-9,0-4-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.31	5-6	>661	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.43	5-6	>481	240	M18SHS	220/195
TCDL	7.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.02	4	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R		Wind(LL)	0.07	5	>999	240	Weight: 88 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 HF Std *Except*
3-4: 2x6 DF 1800F 1.6E, 1-6: 2x10 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-11-7 oc bracing.

REACTIONS. (lb/size) 4=720/Mechanical, 6=720/0-7-4
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)

City of Portland
REVIEWED FOR CODE COMPLIANCE
JAN 29 2019
Permit Number

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

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) 0-4-10 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.

REGISTERED PROFESSIONAL ENGINEER
86809PE
OREGON
JULY 10, 2012
CHAD M. KOMNICK

EXPIRES: 06-30-2019
December 7,2018

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C10	Roof Special	4	1	, K5480614 Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:23 2018 Page 1
ID:3zWog0NpzQ0Bu6J_Hmq9nJyLrA_-pnZ6na48ilf_NuqTP?fJbyPAl0YZiKw7m?1IT5yBQs2

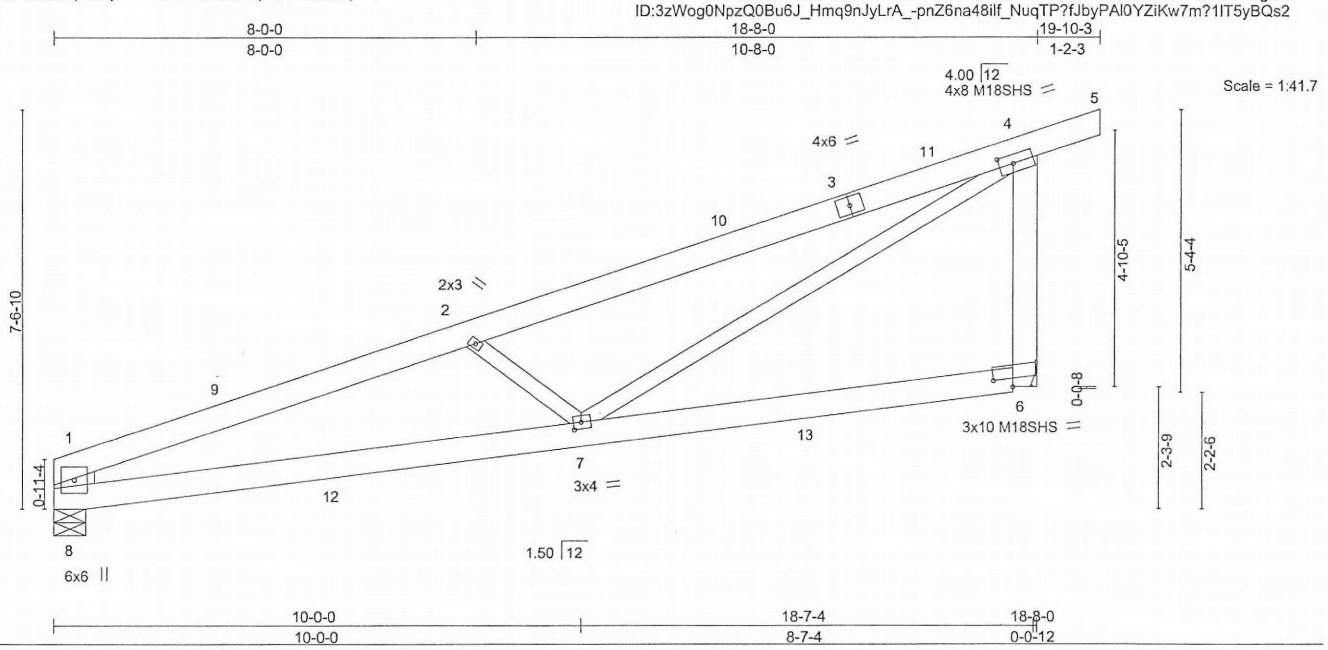

Plate Offsets (X,Y)-- [4:0-3-4,0-2-0], [6:0-4-4,0-1-15], [7:0-1-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.11	7-8	>999	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.17	7-8	>999	240	M18SHS	185/148
TCDL	7.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.02	6	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	Matrix-R		Wind(LL)	0.07	7	>999	240	Weight: 109 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x6 DF 1800F 1.6E
WEBS 2x4 HF Std *Except*
4-6: 2x6 DF 1800F 1.6E, 1-8: 2x10 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=755/0-7-4, 6=852/Mechanical
Max Horz 8=259(LC 11)
Max Uplift 8=-133(LC 10), 6=-233(LC 14)
Max Grav 8=781(LC 21), 6=1052(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1895/408, 2-4=-1422/259, 4-6=-890/260, 1-8=-835/236
BOT CHORD 7-8=-502/1734
WEBS 2-7=-622/342, 4-7=-249/1208

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) 0-4-10 to 3-4-10, Interior(1) 3-4-10 to 19-10-3 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=133, 6=233.
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

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.	K5480615
18-OT2432-B	C11	Roof Special	4	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

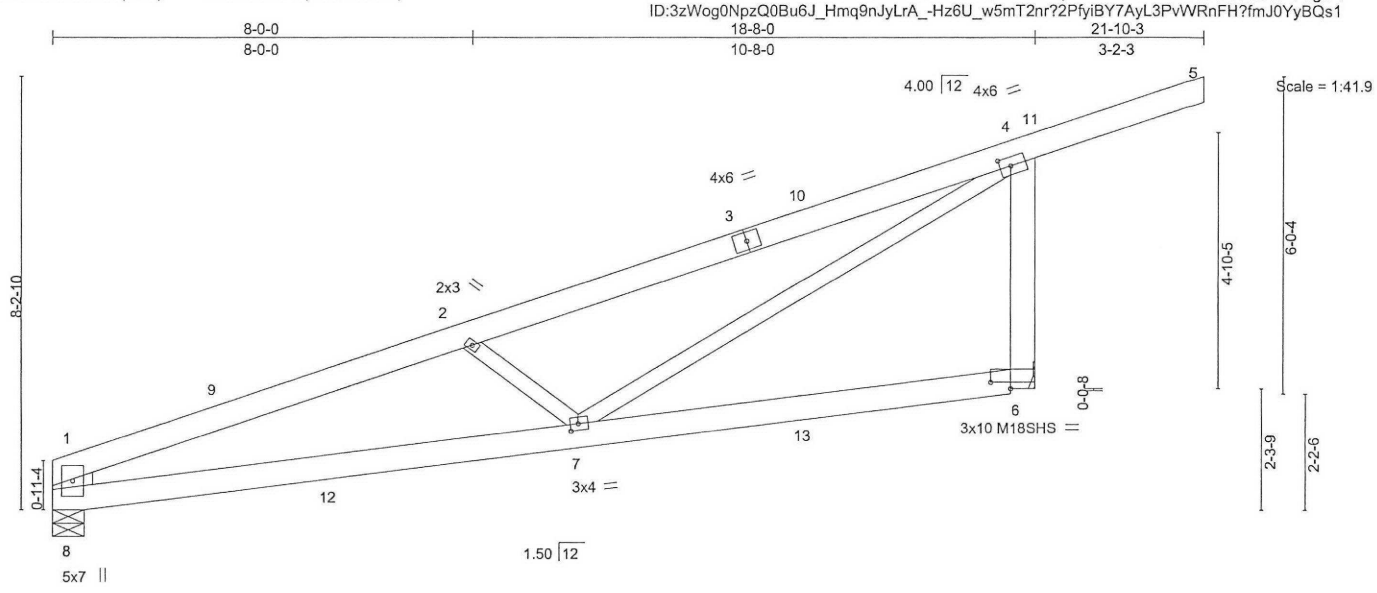

Plate Offsets (X,Y)-- [4:0-2-8,0-2-0], [6:0-4-8,0-1-7], [7:0-1-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	-0.11	7-8	>999	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.17	7-8	>999	240	M18SHS	220/195
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%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x6 DF 1800F 1.6E
WEBS 2x4 HF Std *Except*
4-6: 2x6 DF 1800F 1.6E, 1-8: 2x10 DF No.2

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

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)
Max Grav 8=742(LC 21), 6=1250(LC 21)

City of Portland
REVIEWED FOR CODE COMPLIANCE
JAN 29 2019
Permit Number

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
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; 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.
10) 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.

REGISTERED PROFESSIONAL ENGINEER
86809PE
OREGON
JULY 10, 2012
CHAD M. KOMNICK

EXPIRES: 06-30-2019
December 7,2018

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C12	Roof Special Girder	4	2	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 1
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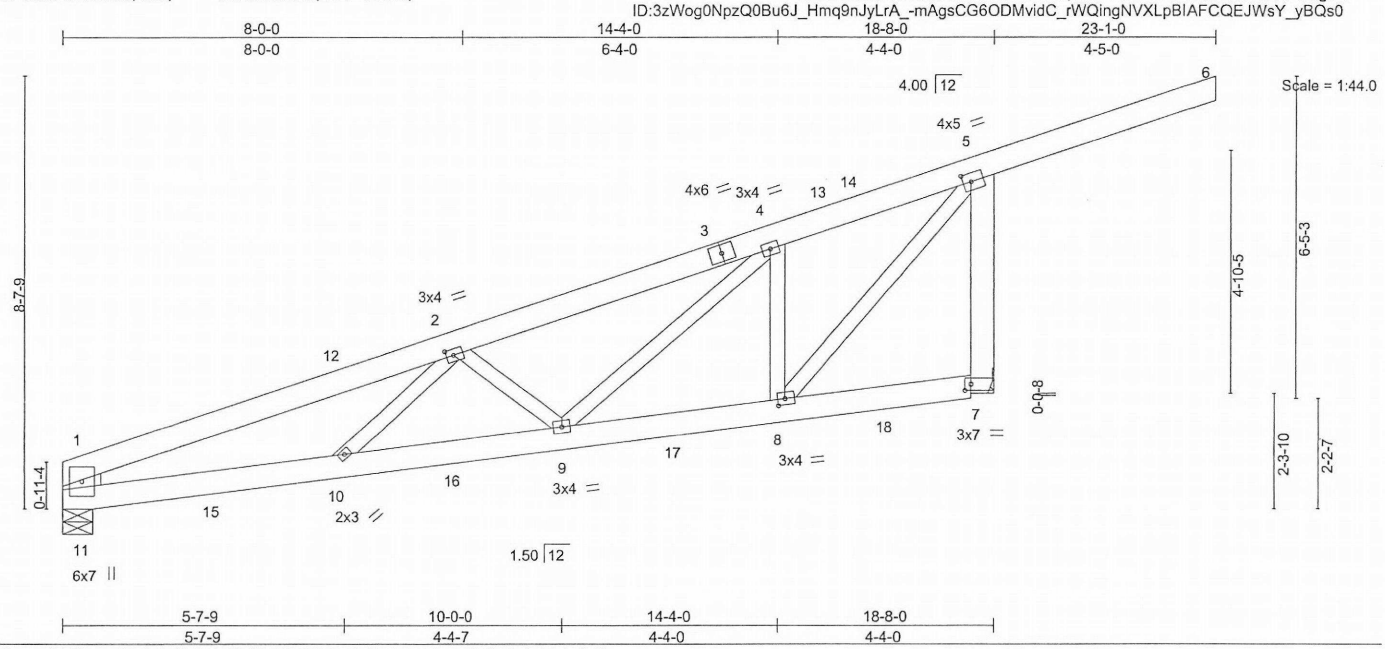


Plate Offsets (X,Y)-- [2:0-1-12,0-1-8], [5:0-2-0,0-2-0], [7:0-1-8,0-1-8], [8:0-1-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	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		
TCDL	7.0	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.02	7	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R		Wind(LL)	0.08	9-10	>999	240	Weight: 250 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x6 DF 1800F 1.6E
WEBS 2x4 HF Std *Except*
5-7: 2x6 DF 1800F 1.6E, 1-11: 2x10 DF SS

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 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
BOT CHORD 10-11=-900/3802, 9-10=-879/3523, 8-9=-278/1393
WEBS 2-9=-1028/370, 5-8=-538/2221, 2-10=-46/587, 4-8=-1499/419, 4-9=-425/1802

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.
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) 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.
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 the Bottom Chord, nonconcurrent with any other live loads.
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

City of Portland REVIEWED FOR CODE COMPLIANCE JAN 29 2019 Permit Number

REGISTERED PROFESSIONAL ENGINEER 86809PE OREGON JULY 10, 2012 CHAD M. KOMNICK

EXPIRES: 06-30-2019
December 7,2018

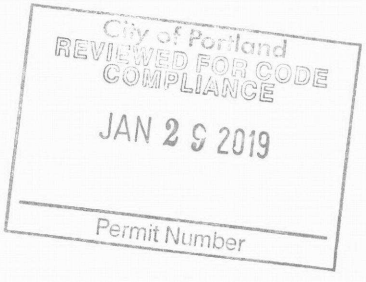
MiTek
250 Klug Circle
Corona, CA 92880

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)



Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C15	Roof Special	1	1	, K5480617 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
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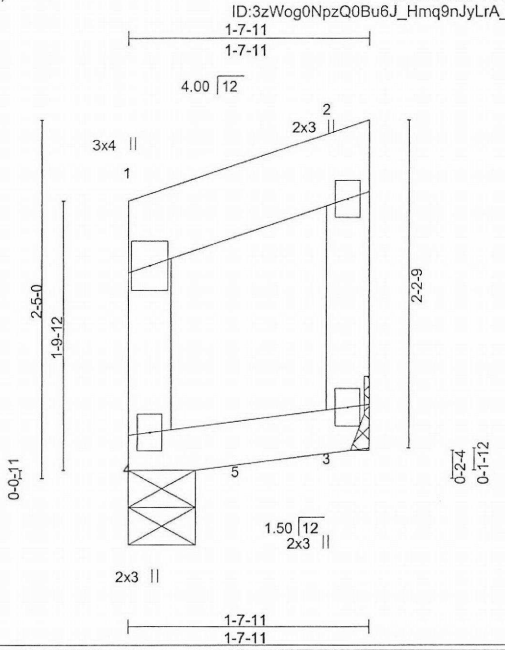

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.00	3-4	>999	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.00	3-4	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R		Wind(LL)	0.00	4	>999	240	Weight: 9 lb	FT = 0%
BCDL	10.0											

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 1-8-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 4=57/0-5-8, 3=57/Mechanical
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.

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.

EXPIRES: 06-30-2019
December 7,2018

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr. K5480618
18-OT2432-B	C16	Roof Special	1	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
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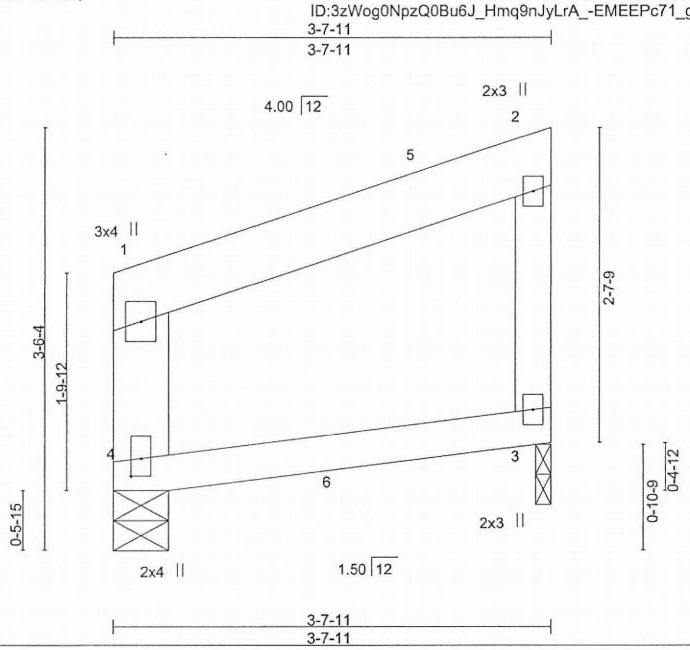


Plate Offsets (X,Y)-- [4:0-1-12,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	-0.02	3-4	>999	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.03	3-4	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	-0.00	3	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											

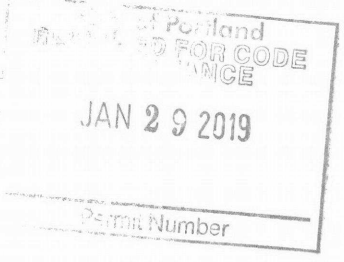
LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2
WEBS 2x6 DF 1800F 1.6E *Except*
2-3: 2x4 HF Std

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

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.

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

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C17	Roof Special	1	1	K5480619
					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
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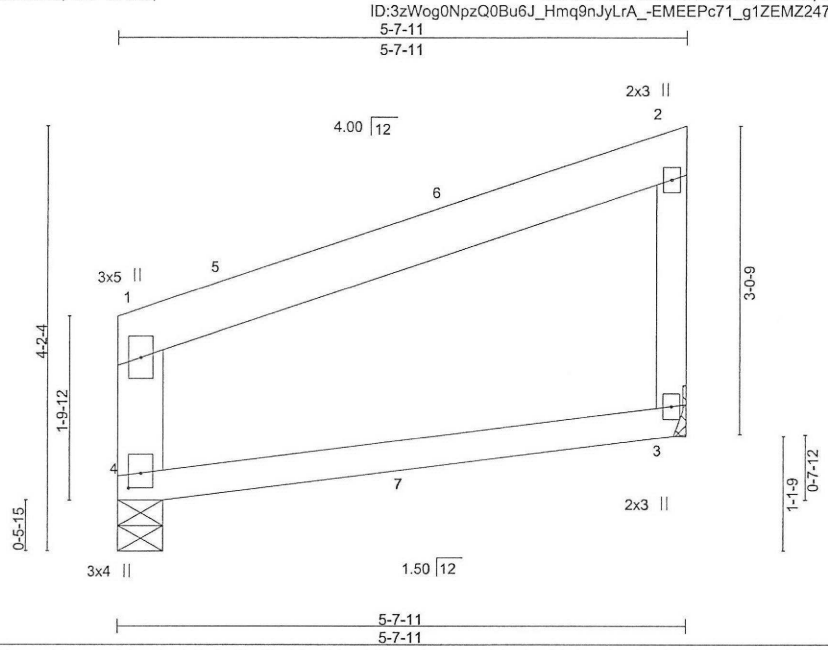

Plate Offsets (X,Y)-- [4:0-1-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.10	3-4	>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	YES	WB	0.06	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R		Wind(LL)	0.02	3-4	>999	240	Weight: 26 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2
WEBS 2x6 DF 1800F 1.6E *Except*
2-3: 2x4 HF Std

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

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 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.

City of Portland
REVIEWED FOR CODE COMPLIANCE
JAN 29 2019
Permit Number

REGISTERED PROFESSIONAL ENGINEER
86809PE
OREGON
JULY 10, 2012
CHAD M. KOMNICK

EXPIRES: 06-30-2019
December 7,2018

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C18	Roof Special	1	1	K5480620
					Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:27 2018 Page 1
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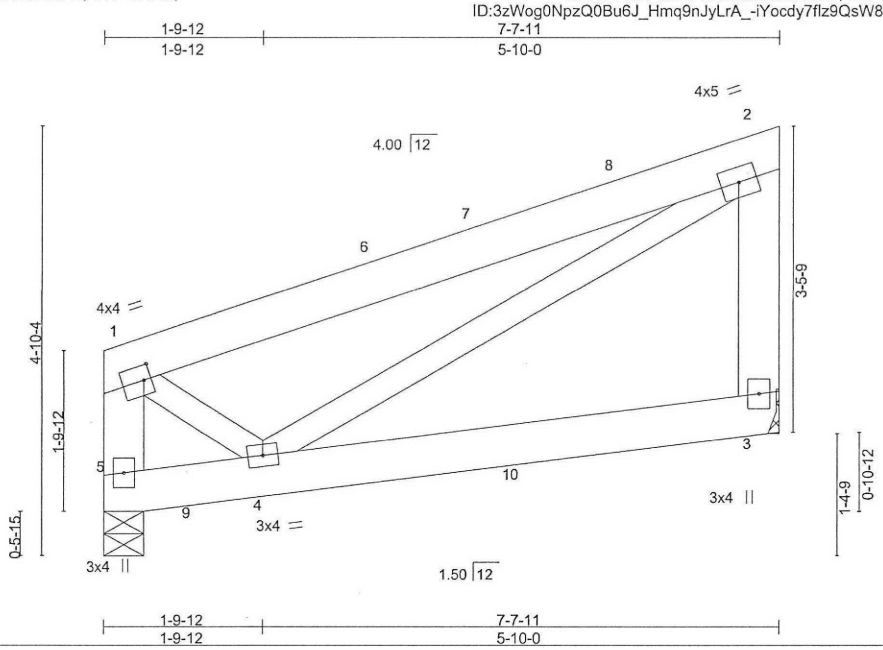

Plate Offsets (X,Y)-- [1:0-1-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.03	3-4	>999	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.04	3-4	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-P		Wind(LL)	0.00	4	>999	240	Weight: 51 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x6 DF 1800F 1.6E
WEBS 2x6 DF 1800F 1.6E *Except*
1-4,2-4: 2x4 HF Std

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

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.
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; 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.

EXPIRES: 06-30-2019
December 7,2018

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C19	Roof Special	1	1	K5480621
					Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:28 2018 Page 1
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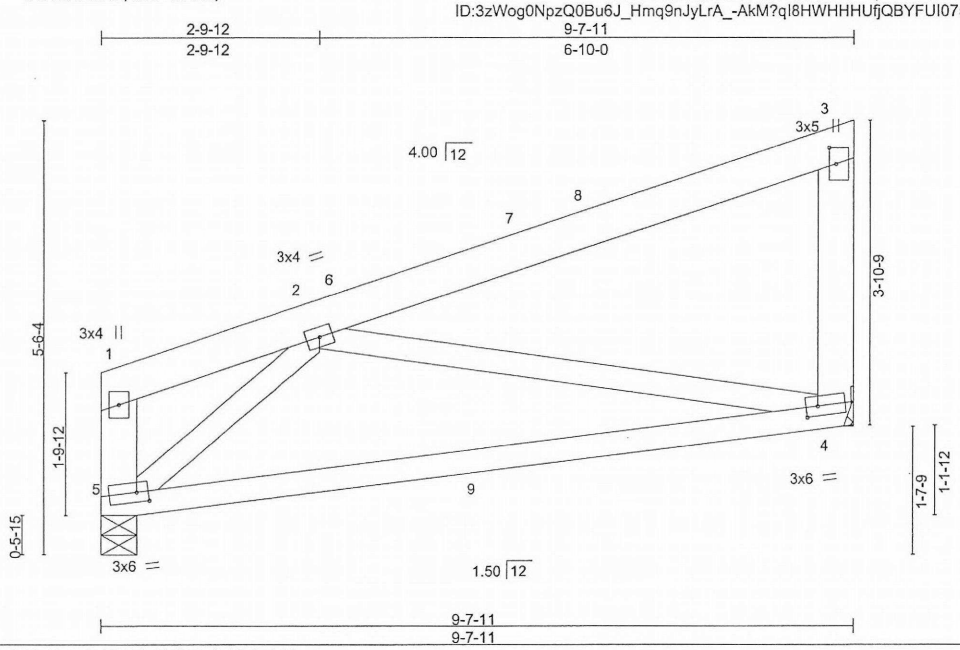

Plate Offsets (X,Y)-- [3:0-2-8,0-1-0], [4:0-1-12,0-1-8], [5:0-1-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.23	4-5	>477	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.32	4-5	>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%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2
WEBS 2x6 DF 1800F 1.6E *Except*
2-4,2-5: 2x4 HF Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-4-10 oc bracing.

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.
TOP CHORD 1-2=-351/0
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
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) 4=101.
9) This truss has been designed for a moving concentrated load of 250.0lb live located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

City of Portland REVIEWED FOR CODE COMPLIANCE JAN 29 2019 Permit Number

REGISTERED PROFESSIONAL ENGINEER 86809PE OREGON JULY 10, 2012 CHAD M. KOMNICK

EXPIRES: 06-30-2019
December 7,2018

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C20	Roof Special	1	1	K5480622
					Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:29 2018 Page 1
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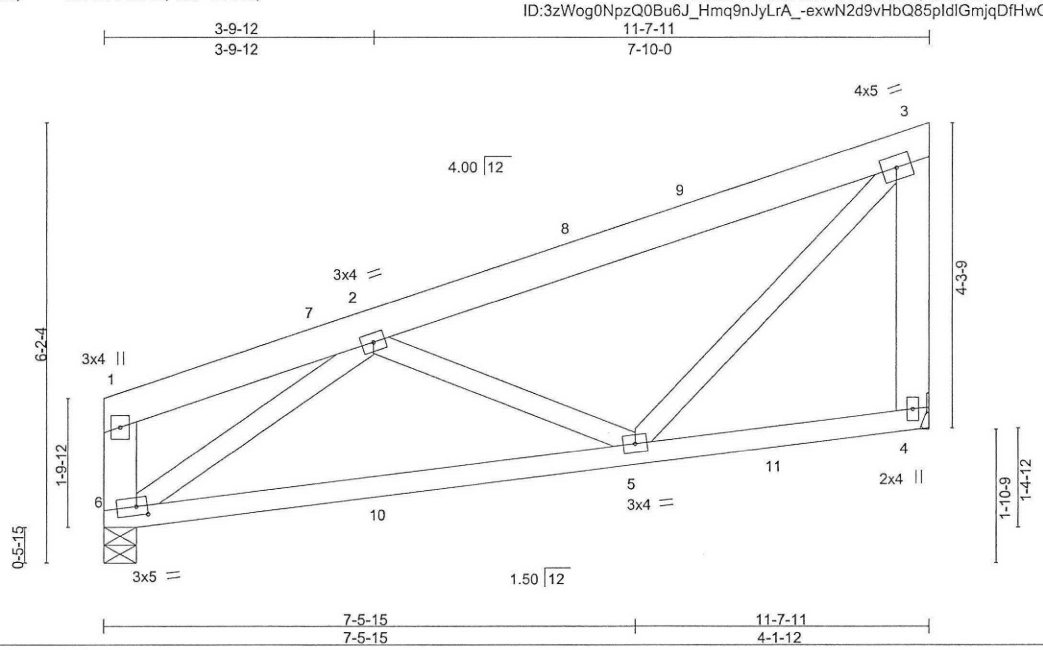


Plate Offsets (X,Y)-- [6:0-1-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.17	5-6	>773	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.23	5-6	>584	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.01	4	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	Matrix-AS		Wind(LL)	0.01	5	>999	240	Weight: 68 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2
WEBS 2x4 HF Std *Except*
3-4,1-6: 2x6 DF 1800F 1.6E

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) 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

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 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) 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.

EXPIRES: 06-30-2019
December 7,2018

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C21	Roof Special	1	1	K5480623 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_-67UlFzAX2uY?jztpJzHyNRCQ2qz4rW79NbDdCByBQrx

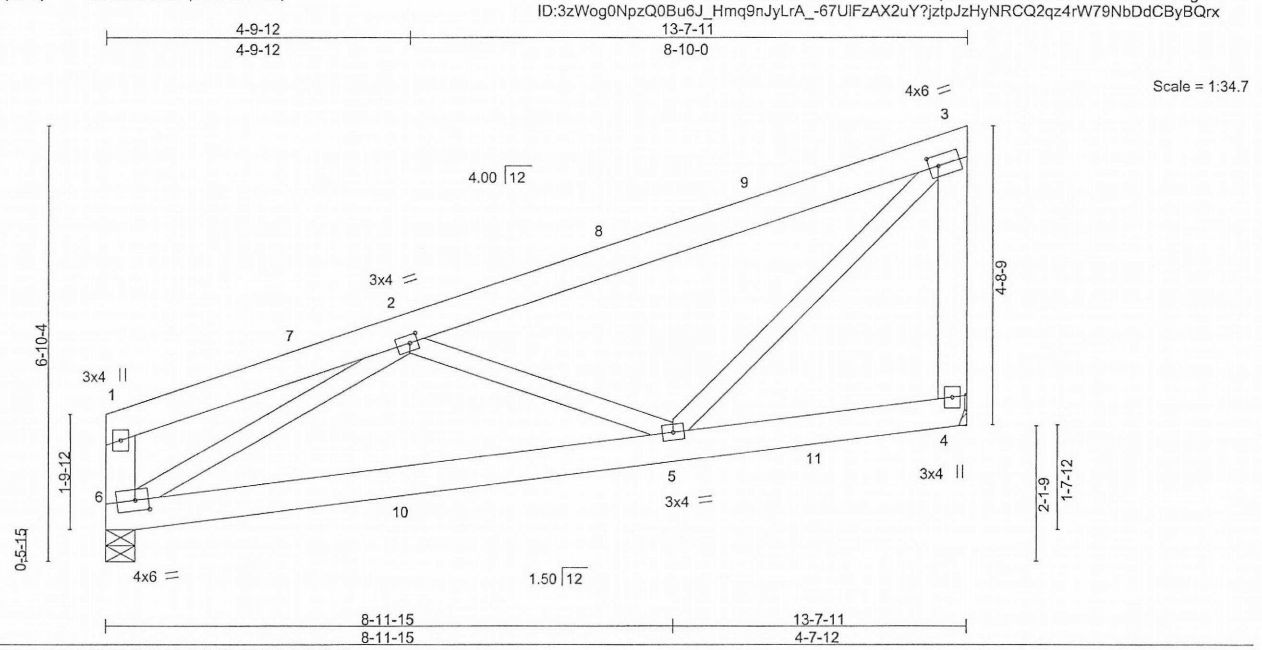


Plate Offsets (X,Y)-- [2:0-1-8,0-1-8], [3:0-1-12,0-2-0], [6:0-2-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.07	5-6	>999	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.11	5-6	>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%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x6 DF 1800F 1.6E
WEBS 2x4 HF Std *Except*
3-4,1-6: 2x6 DF 1800F 1.6E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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)

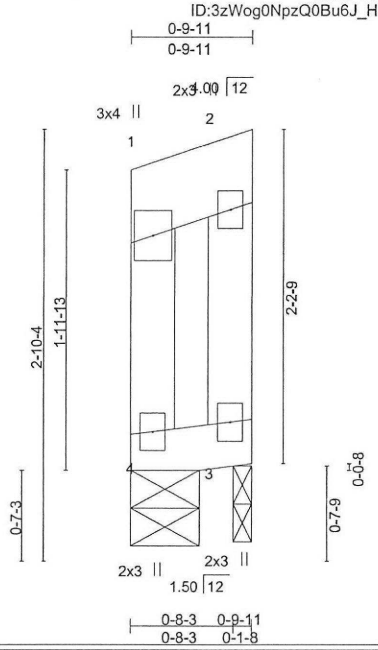
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-347/3, 2-3=-582/90, 3-4=-572/163
BOT CHORD 5-6=-343/857
WEBS 2-5=-417/260, 2-6=-801/272, 3-5=-46/573

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
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) 4=144.
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

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr. K5480624
18-OT2432-B	C22	Roof Special	1	1	Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:30 2018 Page 1
ID:3zWog0NpzQ0Bu6J_Hmq9nJyLrA_-67UlFzAX2uY?jztpJzHyNRCSMq1krdt9NbDdCByBQrx



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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	-0.00	4	>999	240	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.00	4	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R							Weight: 7 lb	FT = 0%
BCDL	10.0											

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.

City of Portland
REVIEWED FOR CODE COMPLIANCE
JAN 2 9 2019
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) 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.

REGISTERED PROFESSIONAL ENGINEER
86809PE
OREGON
JULY 10, 2012
CHAD M. KOMNICK

EXPIRES: 06-30-2019
December 7,2018

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C23	Roof Special	1	1	K5480625 Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:31 2018 Page 1
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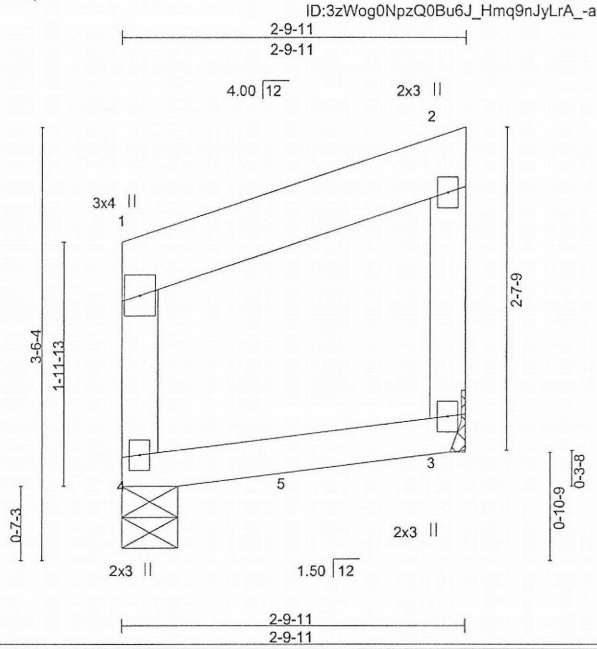

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	-0.01	3-4	>999	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.02	3-4	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.04	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: 15 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2 *Except*
2-3: 2x4 HF Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 7-10-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 4=106/0-5-8, 3=106/Mechanical
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.

EXPIRES: 06-30-2019
December 7,2018

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C24	Roof Special	1	1	K5480626
					Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:31 2018 Page 1
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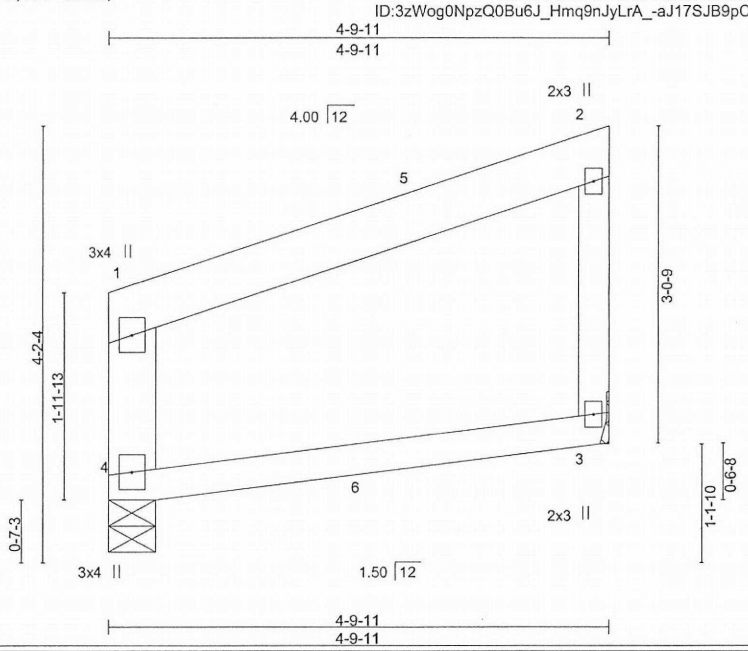

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	-0.06	3-4	>897	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.07	3-4	>724	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	Matrix-R		Wind(LL)	0.02	3-4	>999	240	Weight: 23 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2
WEBS 2x6 DF 1800F 1.6E *Except*
2-3: 2x4 HF Std

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

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.

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 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.

REGISTERED PROFESSIONAL ENGINEER
86809PE
OREGON
JULY 10, 2012
CHAD M. KOMNICK

EXPIRES: 06-30-2019
December 7,2018

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C25	Roof Special	1	1	K5480627 Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:32 2018 Page 1
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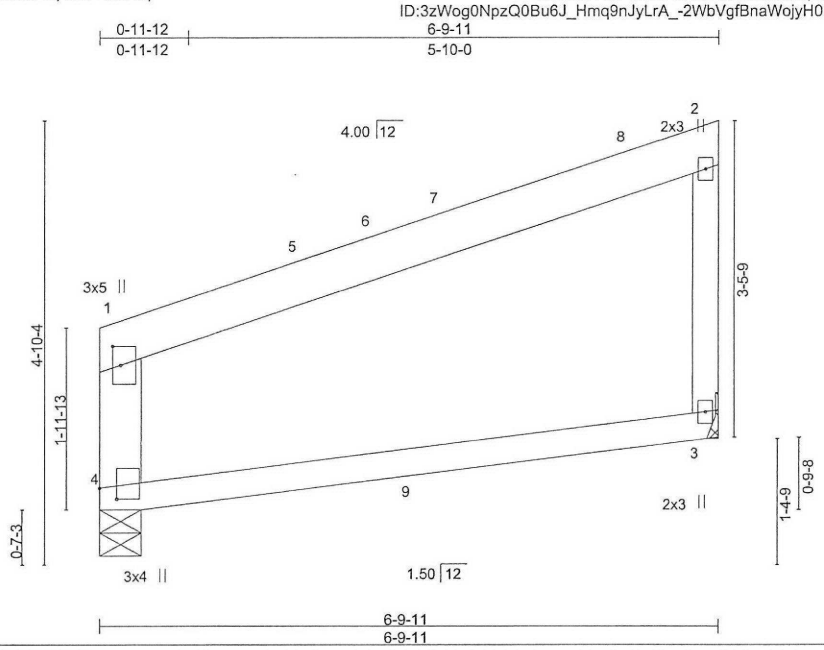

Plate Offsets (X,Y)-- [1:0-2-8,0-1-0], [4:0-1-7,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.18	3-4	>441	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.24	3-4	>327	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R		Wind(LL)	0.04	3-4	>999	240	Weight: 31 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2
WEBS 2x6 DF 1800F 1.6E *Except*
2-3: 2x4 HF Std

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

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.

EXPIRES: 06-30-2019
December 7,2018

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C26	Roof Special	1	1	K5480628
					Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:33 2018 Page 1
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1-11-12 6-10-0

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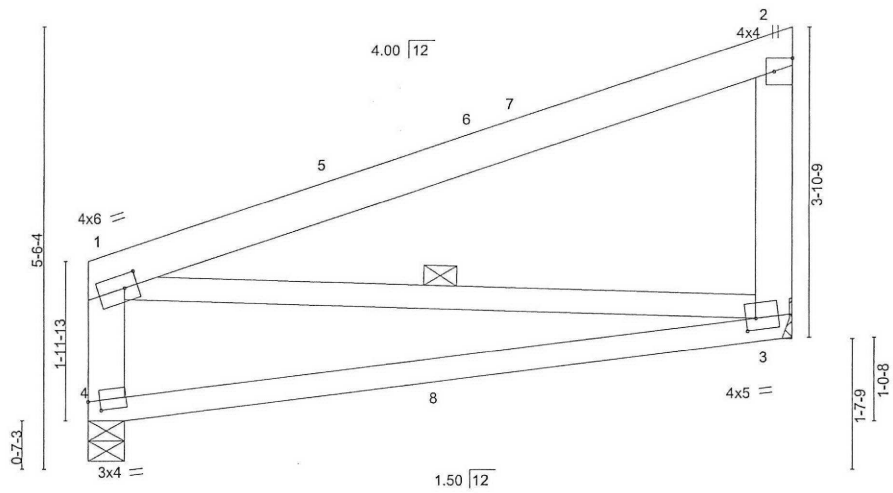

8-9-11
8-9-11

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.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	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		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-R		Wind(LL)	-0.01	3-4	>999	240	Weight: 51 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2
WEBS 2x6 DF 1800F 1.6E *Except*
1-3: 2x4 HF Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-3

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.

EXPIRES: 06-30-2019
December 7,2018

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	C27	Roof Special	1	1	K5480629 Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:34 2018 Page 1
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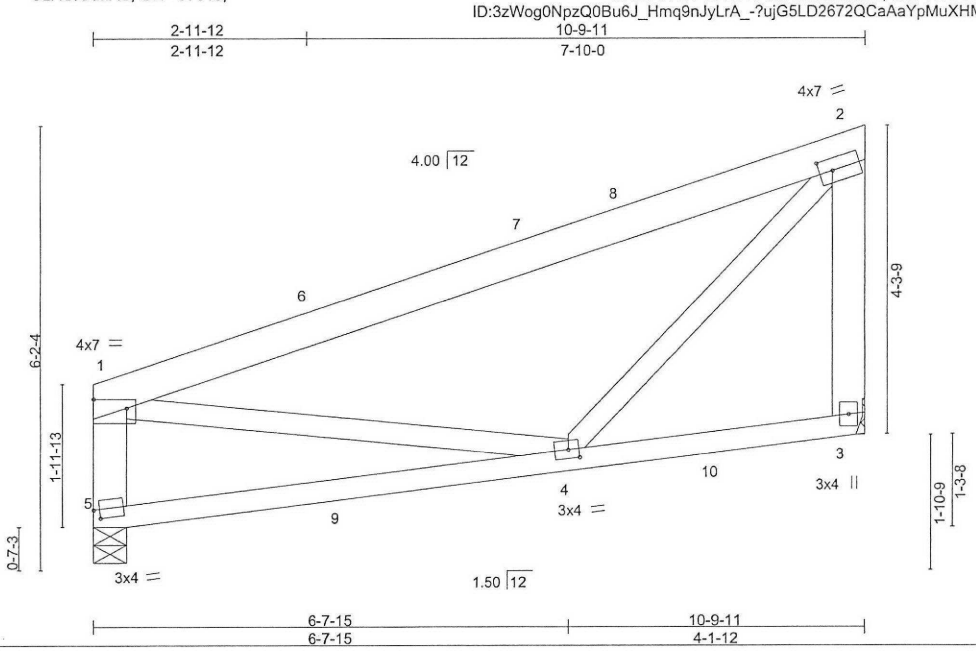

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [2:0-2-4,0-2-0], [4:0-1-12,0-1-8], [5:0-1-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.10	4-5	>999	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.13	4-5	>965	240		
TCDL	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%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2
WEBS 2x6 DF 1800F 1.6E *Except*
1-4,2-4: 2x4 HF Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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
WEBS 1-4=-143/261, 2-4=0/445

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) 3=114.
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

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr. K5480630
18-OT2432-B	C28	Roof Special	1	1	Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:34 2018 Page 1
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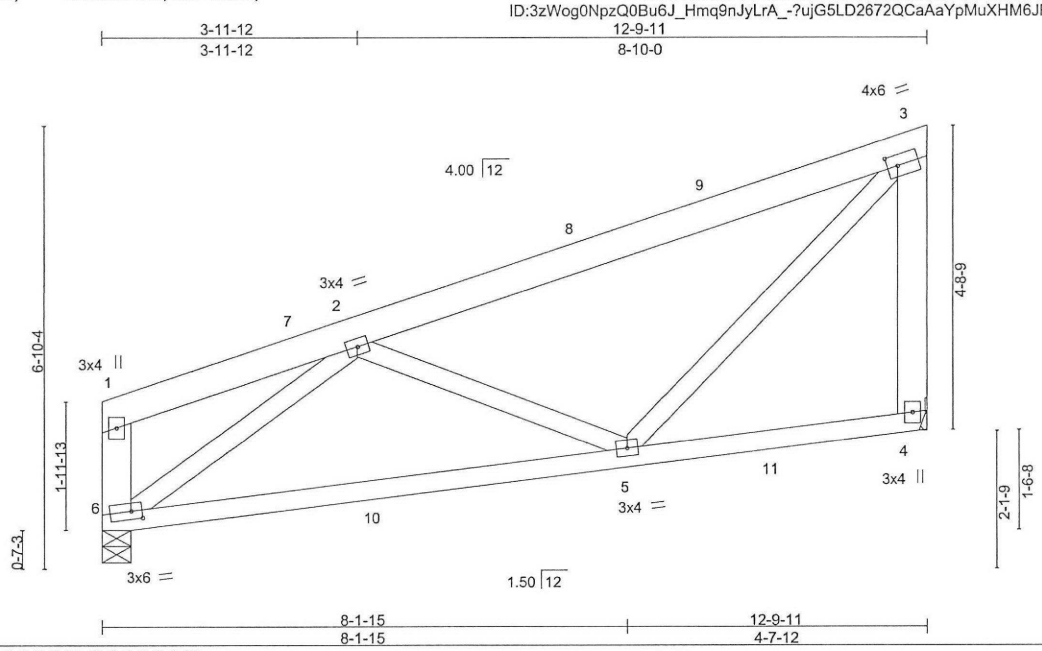


Plate Offsets (X,Y)-- [3:0-2-0,0-2-0], [6:0-2-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.18	5-6	>804	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.25	5-6	>600	240		
TCDL	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%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2
WEBS 2x4 HF Std *Except*
3-4,1-6: 2x6 DF 1800F 1.6E

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

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
BOT CHORD 5-6=-334/709
WEBS 2-5=-321/230, 2-6=-772/274, 3-5=-50/539

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 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) 4=136.
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.

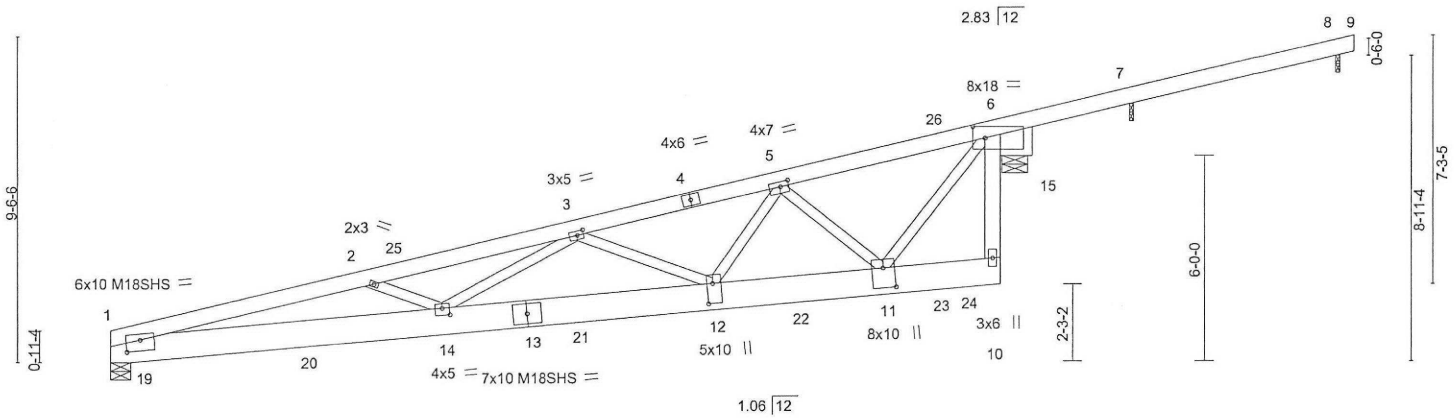
EXPIRES: 06-30-2019
December 7,2018

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	D01	MONO SCISSOR	2	2	K5480631 Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:36 2018 Page 1
ID:3zWog0NpzQ0Bu6J_Hmq9nJyLrA_-xHr0W1EIekI8RuKzfEOMciSNHFtiF9N2mWgxQryBQrr

7-8-10	13-8-8	19-8-5	26-1-11	30-0-12	36-0-12	36-5-11
7-8-10	5-11-14	5-11-14	6-5-6	3-11-1	6-0-0	0-4-15

Scale: 3/16"=1'



9-8-9	17-8-6	22-8-4	26-1-11	26-11-4
9-8-9	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], [11:0-7-0,0-4-0], [12:0-7-0,0-2-0], [14:0-2-8,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.40	12-14	>776	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.67	12-14	>461	240	M18SHS	220/195
TCDL	7.0	Rep Stress Incr	NO	WB	0.79	Horz(CT)	-0.13	7	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-MR		Wind(LL)	0.30	12-14	>999	240	Weight: 428 lb	FT = 0%
BCDL	10.0											

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
OTHERS	2x12 DF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-1-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-11.

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

TOP CHORD	1-2=-16606/3200, 2-3=-16822/3141, 3-5=-12845/2370, 5-6=-5136/926, 10-15=-128/742, 6-15=-6253/1249
BOT CHORD	1-14=-3582/16199, 12-14=-3088/14689, 11-12=-1877/9133, 10-11=-389/87
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

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: 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

EXPIRES: 06-30-2019
December 7,2018

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)

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

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:38 2018 Page 1
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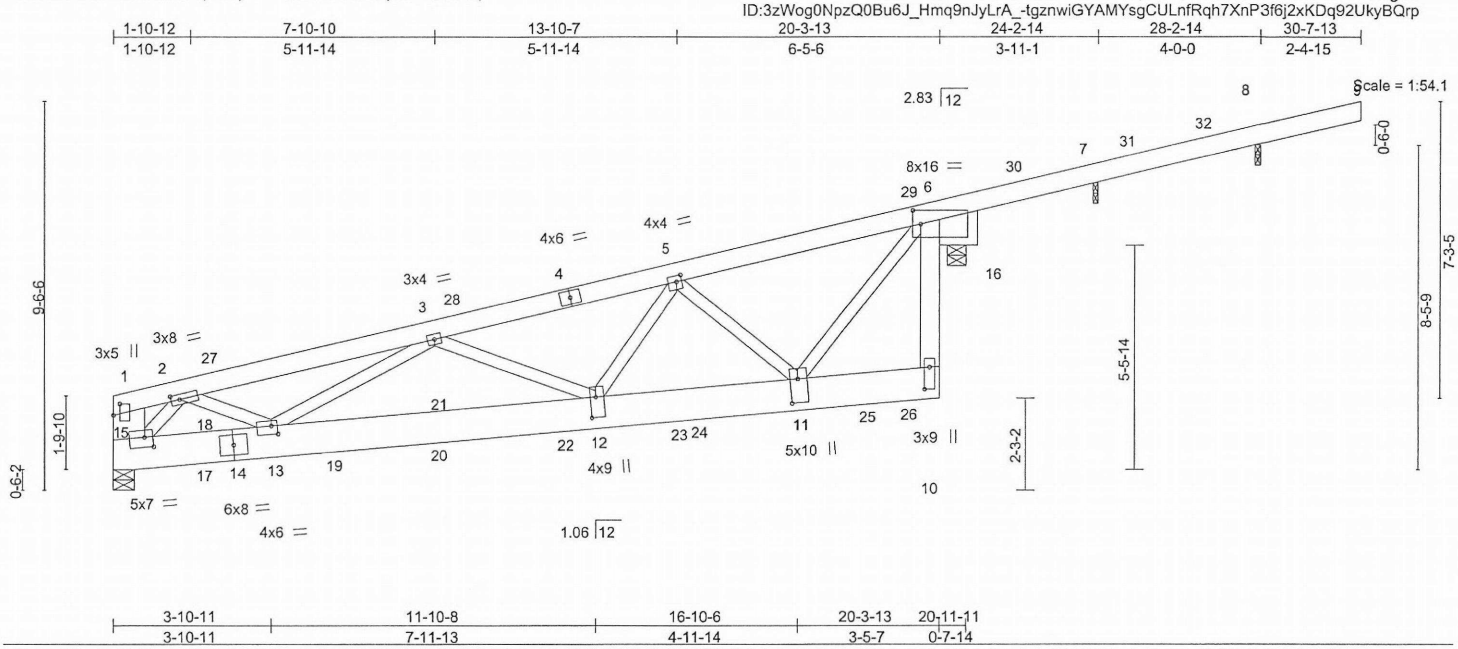

Plate Offsets (X,Y)-- [1:0-3-5,0-1-14], [2:0-2-8,0-1-8], [5:0-1-8,0-1-12], [6:0-2-4,0-4-0], [10:0-6-8,0-1-8], [11:0-7-0,0-2-4], [12:0-6-0,0-1-12], [13:0-1-12,0-2-8], [15:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.11	12-13	>999	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.17	12-13	>999	240		
TCDL	7.0	Rep Stress Incr	NO	WB	0.85	Horz(CT)	-0.05	16	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	Matrix-MR		Wind(LL)	0.07	12-13	>999	240	Weight: 368 lb	FT = 0%
BCDL	10.0											

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, 6-11: 2x4 DF No.2, 1-15: 2x10 DF SS
OTHERS 2x12 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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 7)
Max Grav 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 17)

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-
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 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) 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.

Continued on page 2

EXPIRES: 06-30-2019
December 7,2018

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 5-6-6, 36 lb down at 8-4-5, 36 lb down at 8-4-5, 323 lb down and 108 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, 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, 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)

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	D03	MONO SCISSOR	1	2	K5480633 Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:39 2018 Page 1
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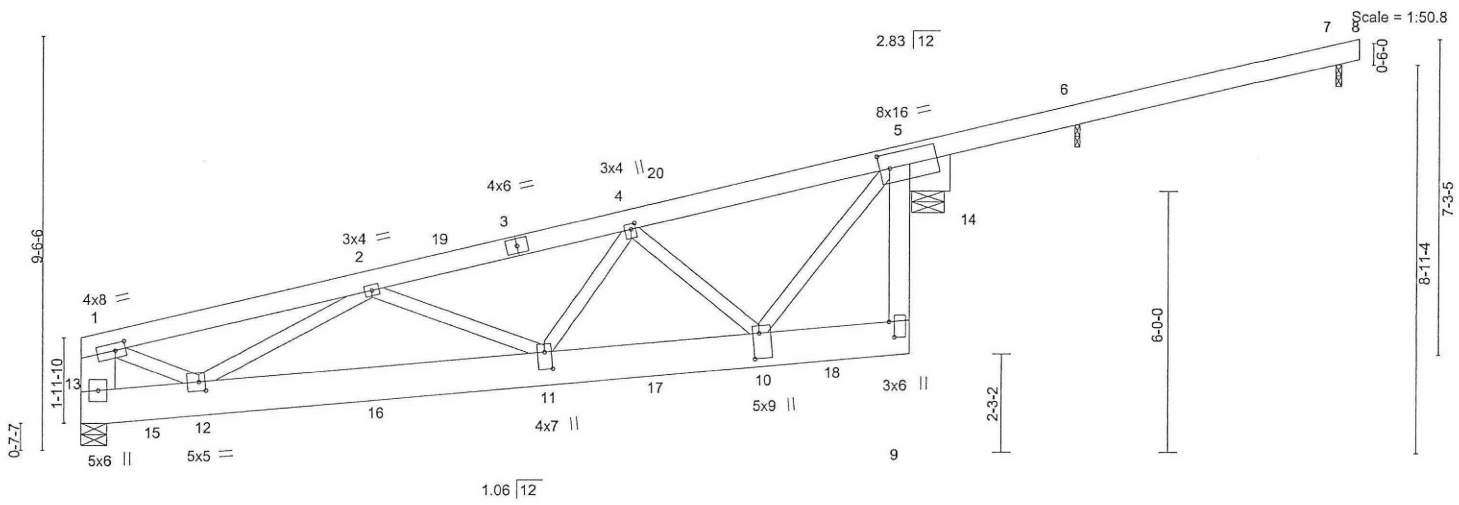


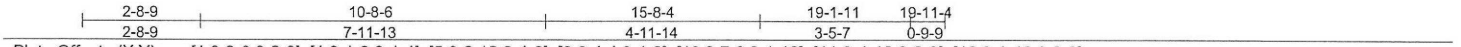


Plate Offsets (X,Y)-- [1:0-3-0,0-2-0], [4:0-1-8,0-1-4], [5:0-2-12,0-4-0], [9:0-4-4,0-1-8], [10:0-7-0,0-1-12], [11:0-4-12,0-2-0], [12:0-1-12,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.07	11-12	>999	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.12	11-12	>999	240		
TCDL	7.0	Rep Stress Incr	NO	WB	0.87	Horz(CT)	-0.02	14	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-MR		Wind(LL)	0.05	11-12	>999	240	Weight: 352 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x10 DF SS
WEBS 2x4 HF Std *Except*
5-9: 2x6 DF 1800F 1.6E, 5-10: 2x4 DF No.2, 1-13: 2x10 DF SS
OTHERS 2x12 DF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 9-10.

REACTIONS. All bearings 0-1-8 except (jt=length) 13=0-7-2, 14=0-9-0.
(lb) - Max Horz 13=467(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 6, 7 except 13=-593(LC 6), 14=-969(LC 10)
Max Grav All reactions 250 lb or less at joint(s) except 13=3178(LC 23), 14=4812(LC 23), 6=448(LC 17), 7=346(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4321/806, 2-4=-6658/1226, 4-5=-3339/596, 9-14=-174/963, 5-14=-3776/780, 1-13=-2883/576
BOT CHORD 12-13=-609/1005, 11-12=-1486/5949, 10-11=-1126/5121
WEBS 1-12=-606/3626, 2-12=-2000/449, 2-11=-91/806, 4-11=-513/2761, 4-10=-2576/555, 5-10=-1055/5378

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: 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) 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 (jt=lb) 13=593, 14=969.

Continued

EXPIRES: 06-30-2019
December 7,2018

MiTek
250 Klug Circle
Corona, CA 92880

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

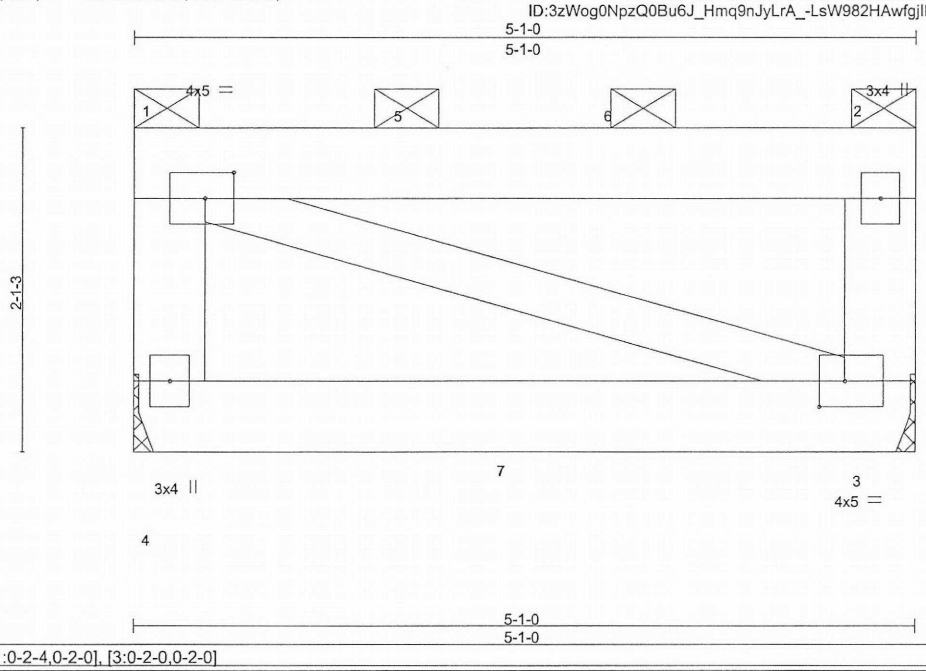
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-5=-64, 5-8=-64
   Trapezoidal Loads (plf)
   Vert: 13=-120(F=-81, B=-19)-to-9=-573(F=-328, B=-224)

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	E01	ROOF SPECIAL	5	2	K5480634

Job Reference (optional)

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Dec 7 07:11:39 2018 Page 1

ID:3zWog0NpzQ0Bu6J_Hmq9nJyLrA_-LsW982HAwfgjIM3YLMy3EK4_mS4fSiKUSUvc1AyBQro



Scale = 1:14.3

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.01	3-4	>999	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.02	3-4	>999	240		
TCDL	7.0	Rep Stress Incr	NO	WB	0.01	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-P		Wind(LL)	0.01	3-4	>999	240	Weight: 63 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x6 DF 1800F 1.6E
WEBS 2x6 DF 1800F 1.6E *Except*
1-3: 2x4 HF Std

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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)
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

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 0-9-0 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.

EXPIRES: 06-30-2019
December 7,2018

LOAD CASE(S) Standard

Continued on page 2

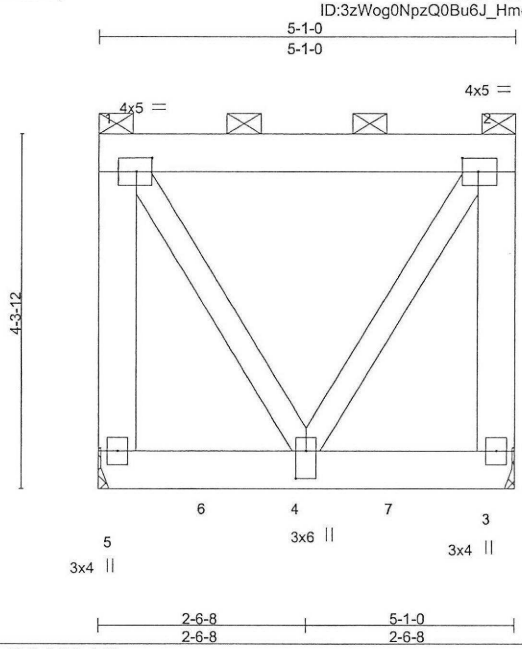
MiTek
250 Klug Circle
Corona, CA 92880

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-184(F=-120), 3-4=-93(F=-73)
   Concentrated Loads (lb)
   Vert: 1=-175(F) 2=-175(F)

Job	Truss	Truss Type	Qty	Ply	Sacred Heart- Pacific Crest Constr.
18-OT2432-B	E02	Roof Special Girder	3	2	K5480635 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



Scale = 1:26.8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	-0.01	4	>999	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.01	4	>999	240		
TCDL	7.0	Rep Stress Incr	NO	WB	0.29	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-P		Wind(LL)	0.00	4	>999	240	Weight: 91 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x6 DF 1800F 1.6E
WEBS 2x6 DF 1800F 1.6E *Except*
1-4,2-4: 2x4 HF Std

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

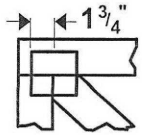
Continued on page 2

LOAD CASE(S) Standard

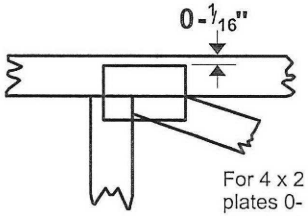
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-64, 3-5=-731(F=-711)

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.



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

This symbol indicates the required direction of slots in connector plates.

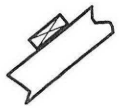
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

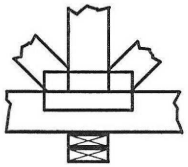
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

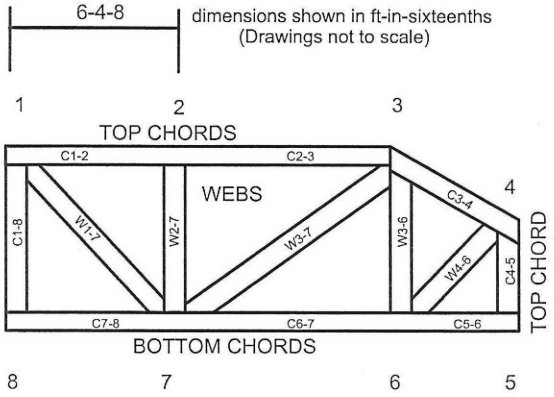


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

MiTek®

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 specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

SCAN

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.

City of Portland
REVIEWED FOR CODE COMPLIANCE
JAN 29 2019
Permit Number

NO EXCEPTION TAKEN ☒ 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 Peder Norberg DATE 01/04/2019

REGISTERED PROFESSIONAL ENGINEER
89200PE

OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019

November 20,2018

Baxter, David

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

17-1749411 DES 01 CO 1

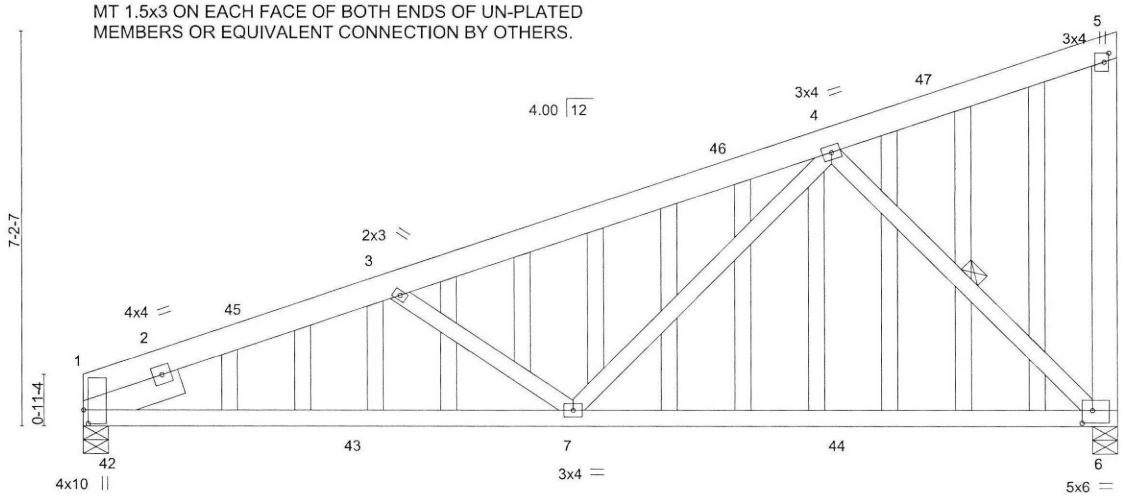
Job	Truss	Truss Type	Qty	Ply	Pacific Crest Construction	K5420358
18-OT2432-A	B01	GABLE	1	1	Job Reference (optional)	

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Oct 6 2018 MiTek Industries, Inc. Tue Nov 20 11:40:56 2018 Page 1
ID:3zWog0NpzQ0Bu6J_Hmq9nJyLrA_-VG2PlrmXjeT_GR6nqK?nLG4Rytj4advp2HlOhxyHIbL

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.



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.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.34	6-7	>656	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.48	6-7	>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: 153 lb	FT = 0%
BCDL	10.0											

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 7-2-6 oc bracing.
WEBS	1 Row at midpt 4-6

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

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 joint 6.
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).

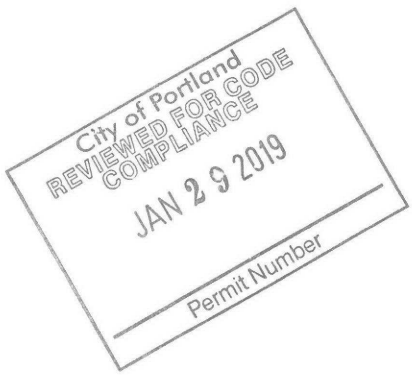
LOAD CASE(S) Standard

EXPIRES: 12-31-2019
November 20,2018

Continued on page 2

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)

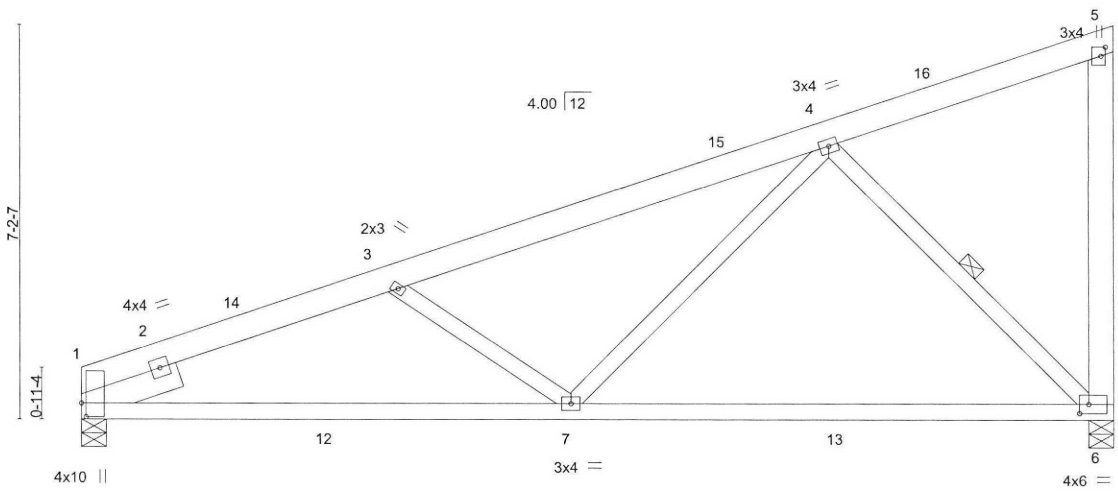


Job	Truss	Truss Type	Qty	Ply	Pacific Crest Construction	
18-OT2432-A	B02	MONO TRUSS	33	1	Job Reference (optional)	K5420359

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_-ReA9AXonFGkiWkFAyI1FQh9nShPY2WP6WbEUmqyHlbJ

5-9-7 13-7-6 18-9-8
5-9-7 7-9-15 5-2-2

Scale = 1:40.4



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], [6:0-2-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.34	6-7	>656	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.48	6-7	>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%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 HF Std *Except*
5-6: 2x6 DF 1800F 1.6E
SLIDER Left 2x6 DF No.2 1-10-6

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-7-1 oc bracing.
WEBS 1 Row at midpt 4-6

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=-2000/422, 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

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 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) 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).

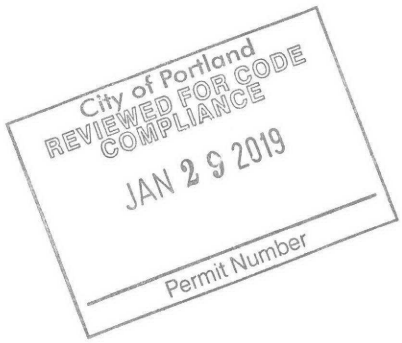
LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 6-8=-20, 1-5=-64

EXPIRES: 12-31-2019
November 20,2018

Continued on page 2

MiTek
250 Klug Circle
Corona, CA 92880

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

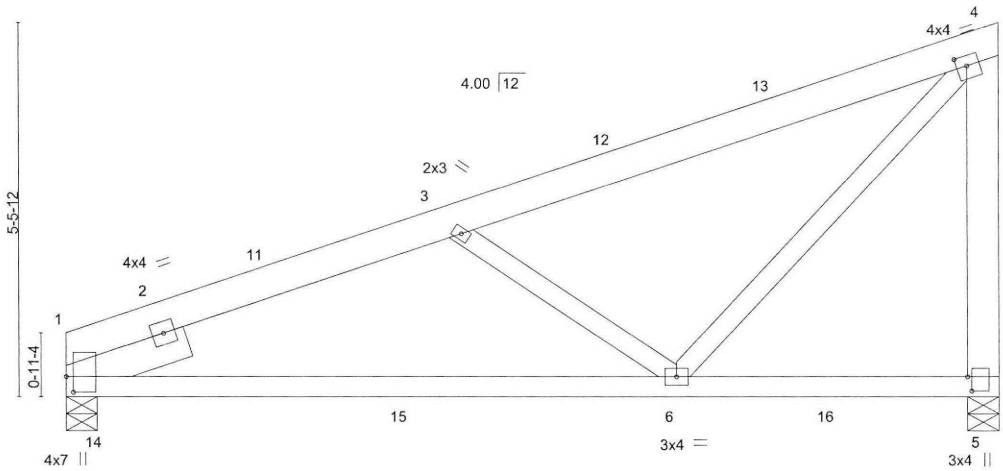


Job	Truss	Truss Type	Qty	Ply	Pacific Crest Construction	K5420360
18-OT2432-A	B03	Monopitch	8	1	Job Reference (optional)	

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Oct 6 2018 MiTek Industries, Inc. Tue Nov 20 11:40:59 2018 Page 1
ID:3zWog0NpzQ0Bu6J_Hmq9nJyLrA_-vrkXOtoP0ZsZ7uqMVTYUzvhzY4oun0FGlFz2lGyHlbI

5-9-7 13-7-6 13-7-8
5-9-7 7-9-15 0-0-2

Scale = 1:32.4



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

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.19	6-9	>868	360	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.25	6-9	>645	240		
TCDL	7.0	Rep Stress Incr	NO	WB	0.31	Horz(CT)	0.01	5	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-MS		Wind(LL)	0.01	6	>999	240	Weight: 75 lb	FT = 0%
BCDL	10.0											

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

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

REACTIONS. (lb/size) 1=563/0-5-8, 5=1313/0-5-8
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. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) 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

City of Portland
REVIEWED FOR CODE COMPLIANCE
JAN 29 2019
Permit Number

REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
November 20,2018

Continued on page 2

MiTek
250 Klug Circle
Corona, CA 92880

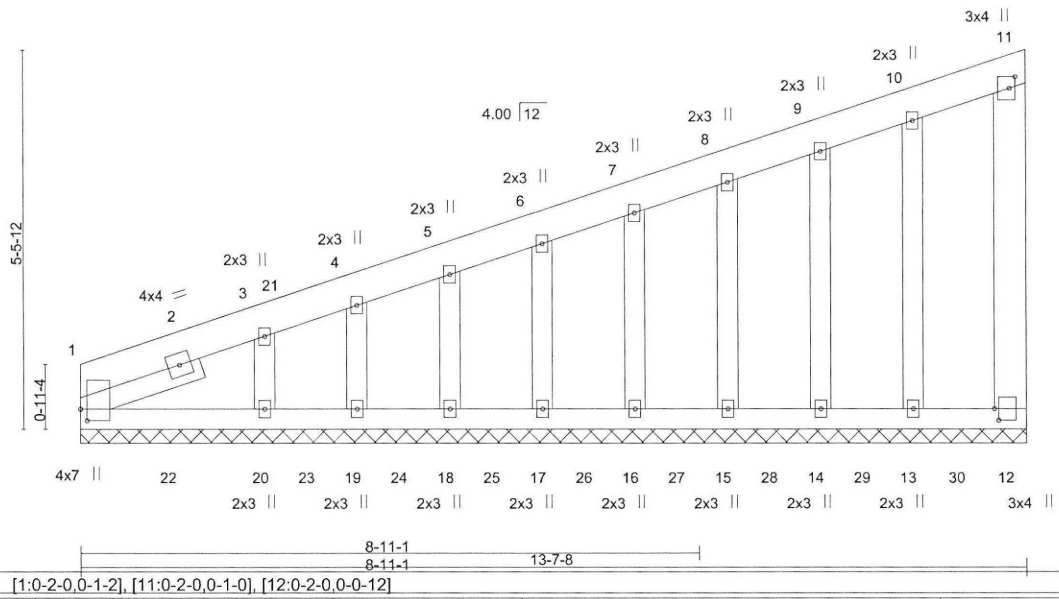
LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 4=-750(F)

Job	Truss	Truss Type	Qty	Ply	Pacific Crest Construction	K5420361
18-OT2432-A	B04	GABLE	1	1	Job Reference (optional)	

Precision Truss & Lumber, Inc., CLACKAMAS, OR - 97015, 8.220 s Oct 6 2018 MiTek Industries, Inc. Tue Nov 20 11:41:01 2018 Page 1
ID:3zWog0NpzQ0Bu6J_Hmq9nJyLrA_-rDrIoZqgYB6HNC_ldtby2KnNuuclFzVZCZS9N9yHlbG

5-9-7 13-7-6 13-7-8
5-9-7 7-9-15 0-0-2

Scale: 3/8"=1'



8-11-1 13-7-8
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)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	185/148
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.00	12	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-S								
BCDL	10.0										Weight: 86 lb	FT = 0%

LUMBER-

TOP CHORD	2x6 DF 1800F 1.6E
BOT CHORD	2x4 DF No.1&Btr
WEBS	2x6 DF 1800F 1.6E
OTHERS	2x4 HF Std
SLIDER	Left 2x4 HF Std 1-10-6

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

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)
Max Grav 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.
11) 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).

EXPIRES: 12-31-2019
November 20,2018

LOAD CASE(S) Standard

Continued on page 2

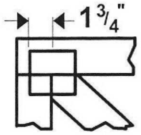
Job	Truss	Truss Type	Qty	Ply	Pacific Crest Construction
18-OT2432-A	B04	GABLE	1	1	K5420361 Job Reference (optional)

LOAD CASE(S) Standard

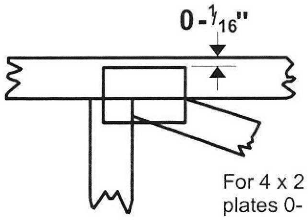
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-11=-64, 1-12=-20
   Concentrated Loads (lb)
   Vert: 11=-750(F)

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.



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

This symbol indicates the required direction of slots in connector plates.

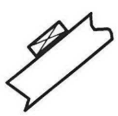
* **Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

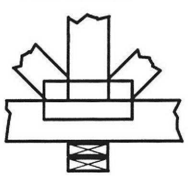
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

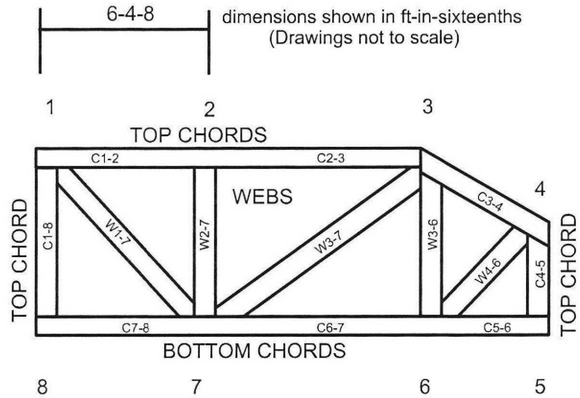


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

MiTek®

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 specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.