



PERMIT #: RADR-25-9

ISSUE DATE: October 10, 2025

General Questions: 503.537.1240
Email Address: building@newbergoregon.gov

AFI / RFI / REVISIONS & DEFERRAL PERMIT BUILDING DEPARTMENT

SITE ADDRESS: 4021 E JORY ST Newberg, OR. 97132 **PARCEL #:** R3216AC 13801 **PERMIT TYPE:** Commercial

TYPE OF WORK: true

DETAILED DESCRIPTION OF WORK: Deferred for Trusses and Joists

ASI / RFI / REVISION #: _____

ORIGINAL PERMIT # : _____

PROJECT NAME *(if applicable):* _____

TOTAL PERMIT FEE'S PAID: \$0.00

AUTHORIZED PERMIT HOLDERS

APPLICANT: _____ **PHONE:** 5033050389

MAILING ADDRESS: 5285 Meadows Rd Lake Oswego, Oregon. 97035

CONTRACTOR: JTSC LLC

PHONE: 5036573402

MAILING ADDRESS: 5285 MEADOWS ROAD STE 171

CCB #: 200237

ADDITIONAL INFORMATION/CONDITIONS OF APPROVAL/COMMENTS

ALL WORK IS TO CONFORM TO THE CURRENT EDITION OF THE CURRENT EDITION OF THE ORSC & OSCC.

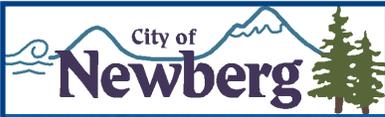
INSPECTIONS REQUESTED PRIOR TO 7AM WILL BE COMPLETED THE SAME BUSINESS DAY.

INSPECTION RECEIVED AFTER 7AM WILL BE SCHEDULED FOR THE NEXT BUSINESS DAY.

***Schedule or track inspections at www.newbergor.portal.opengov.com OR
Call 503.554.7714 leave PERMIT # RADR-25-9, address & type of Insp.***

<p>THIS PERMIT EXPIRES 6 MO FROM ABOVE DATE IF WORK IS NOT STARTED OR IF WORK IS SUSPENDED OR ABANDONED FOR 180 DAYS OR LONGER AFTER WORK HAS COMMENCED.</p>	<p>8.15.150 UNNECESSARY NOISE--PERMITTED EXCEPTIONS. UNREASONABLE NOISE AND EXCEPTIONS.</p>
<p>A copy of the building permit & 1 set of approved construction documents are to be available for review at the work site.</p>	<p>3. The following acts are declared to be per se violations of this section. This enumeration does not constitute an exclusive list:</p> <p>j. Construction or Repair of Buildings, or Excavation of Streets and Highways. The construction, demolition, alteration or repair of any building or the excavation of streets and highways other than between the hours of 7:00 a.m. and 7:00 p.m. on weekdays. In cases of emergency, construction or repair noises are exempt from this provision. In nonemergency situations, the city may issue a permit, upon application, if the city determines that the public health and safety, as affected by loud and raucous noise caused by construction or repair of buildings or excavation of streets and highways between the hours of 7:00 p.m. and 7:00 a.m. will not be impaired, and if the city further determines that loss or inconvenience would otherwise result. The permit shall grant permission in nonemergency cases for a period of not more than three days. The permit may be renewed once for a period of three days or less.</p>
<p>All persons or entities performing work under this permit are required to be licensed unless exempted by ORS 701.010 (Structural/Mechanical), and ORS 693.010-020 (Plumbing).</p>	

NEWBERG CITY HALL **414 E FIRST ST** **Web address: newbergoregon.gov**



DEFERRED PERMIT

City of Newberg

PERMIT NUMBER
NDEF24-0015

PERMIT TYPE: DEFERRED	SUBDIVISION/COMM SITE:	TAX MAP NO: R3216AC 13800
PERMIT SUB TYPE : COMMERCIAL		BLDG USE GROUP:
JOB ADDRESS: 4021 E JORY ST		
DESCRIPTION: Deferred for Trusses and Joists		
ZONED AS:	TOTAL SQFT: 0	SPRINKLERS:
TOTAL WORK VALUE: \$0.00	TYPE OF CONSTRUCTION:	BUILDING USE:

APPLICANT: LRS Architects	PHONE: (503)221-1121
MAILING ADDRESS: 720 NW Davis Ste 300 Portland, OR 97209	FAX:
ARCHITECT DESIGNER ENGINEER OR WHO DREW THE PLANS: LRS Architects	PHONE: (503)221-1121
MAILING ADDRESS: 720 NW Davis Ste 300 Portland, OR 97209	FAX:
CONTRACTOR: JTSC LLC	PHONE: (503)348-5001
MAILING ADDRESS: 5285 Meadows Road Suite 171 Lake Oswego, OR 97035	FAX: (503)684-0102
OWNER: Spring Meadows Apartments LLC	PHONE: (503)657-3402
MAILING ADDRESS: 5285 MEADOWS RD STE 171 LAKE OSWEGO, OR 97035	FAX:

COMMENTS

FEES			
DESCRIPTION	ACCOUNT	QUANTITY	PAID AMOUNT
DEFERRED SUBMITAL FEE	08-0000-322001	0	\$271.91
			TOTAL: \$271.91

**ALL WORK TO CONFORM TO THE CURRENT EDITION OF THE ORSC AND OSCC.
INSPECTIONS REQUESTED PRIOR TO 7AM ILL BE COMPLETED THE SAME BUSINESS DAY.
INSPECTION RECIEVED AFTER 7AM WILL BE SCHEDULE FOR THE NEXT BUSINESS DAY.**

8.15.150 UNNECESSARY NOISE – PERMITTED EXCEPTIONS.
A. UNREASONABLE NOISE AND EXCEPTIONS.
3. The following acts are declared to be per se violations of this section. This enumeration does not constitute an exclusive list:
j. Construction or Repair of Buildings, or Excavation of Streets and Highways. The construction, demolition, alteration or repair of any building or the excavation of streets and highways other than between the hours of 7:00 a.m. and 7:00 p.m. on weekdays. In cases of emergency, construction or repair noises are exempt from this provision. In nonemergency situations, the city may issue a permit, upon application, if the city determines that the public health and safety, as affected by loud and raucous noise caused by construction or repair of buildings or excavation of streets and highways between the hours of 7:00 p.m. and 7:00 a.m. will not be impaired, and if the city further determines that loss or inconvenience would otherwise result. The permit shall grant permission in nonemergency cases for a period of not more than three days. The permit may be renewed once for a period of three days or less.

Building Official: **Brooks Bateman** Issued By: **Michele Faber** Date: **3/13/2025**



525 NW Second Street, Corvallis, Oregon 97330
t 800.383.8855 ph 541.758.1302 fx 541.753.2264
www.claircompany.com

November 29, 2024

LRS Architects
720 NW Davis Ste 300
Portland, OR 97209

Project: 4021 E Jory Street, Newberg, OR
Subject: 1st Plan Review – Not Approved
Clair Project No.: 1041-113
Permit: NREV24-0035 & NDEF24-0015

Clair Company, Inc. (Clair) has completed the plan review on the above-mentioned project on behalf of the City of Newberg. Clair **does not recommend approval of the associated documents with Open comments as noted on the attached plan review document. Open comments must be addressed prior to permit issuance.**

Clair requests that the permit applicant/designer respond in writing to each **Open** comment in the plan review document. Add an **applicant response** row directly below the Clair review comment in the attached EXCEL file. Complete the response by answering the indicated fields and submit all requested documentation where applicable.

If you have any questions or need clarification regarding the plan review comments or other information we have provided, please do not hesitate to contact me at (541) 758-1302 or by email at comments@claircompany.com.

Respectfully Submitted,

A handwritten signature in blue ink that reads "Amy Cherry".

Amy Cherry
Administrative Services Manager

Cc: Clair Project File #1041-113

Attached - Plan Review Document



CODES AND STANDARDS

State of Oregon 2022 edition Oregon Structural Specialty Code (OSSC)

SUBMITTAL LOG

Our plan review comments are based on the following documents:

Date Received	Dated	From	Clair Number	Copies	Approval date	Description
10/31/24	8/14/24	City of Newberg	1000	-	Pending	4021 E. Jory Street, Newberg - Joist layouts (marked as final layouts, for construction). Received electronically



525 NW Second Street, Corvallis, Oregon 97330
t 800.383.8855 ph 541.758.1302 fx 541.753.2264
www.claircompany.com

December 27, 2024

LRS Architects
720 NW Davis Ste 300
Portland, OR 97209

Project: 4021 E Jory Street, Newberg, OR
Subject: 2nd Back Check – Approved
Clair Project No.: 1041-113
Permit: NREV24-0035 & NDEF24-0015

Clair Company, Inc. (Clair) has completed the plan review on the above-mentioned project on behalf of the City of Newberg. Clair **recommends approval of the associated documents.**

If you have any questions regarding the information we have provided, please do not hesitate to contact me at (541) 758-1302 or by email at comments@claircompany.com.

Respectfully Submitted,

A handwritten signature in blue ink that reads "Amy Cherry".

Amy Cherry
Administrative Services Manager

Cc: Clair Project File #1041-113



CODES AND STANDARDS

State of Oregon 2022 edition Oregon Structural Specialty Code (OSSC)

SUBMITTAL LOG

Our plan review comments are based on the following documents:

Date Received	Dated	From	Clair Number	Copies	Approval date	Description
10/31/24	8/14/24	City of Newberg	1000	-	Superseded	4021 E. Jory Street, Newberg - Joist layouts (marked as final layouts, for construction). Received electronically
12/5/24	12/5/24	Horn Consulting Engineers LLC	1001	-	12/27/24	4021 E. Jory Street, Newberg - A&E response includes answers to Clair comments. Received electronically
12/5/24	12/5/24	Horn Consulting Engineers LLC	1002	-	Superseded	4021 E. Jory Street, Newberg - A&E response includes joist calculations. Received electronically
12/12/24	Undated	Horn Consulting Engineers LLC	1003	-	12/27/24	4021 E Jory Street, Newberg - A&E response includes answers to Clair comments. Received electronically
12/12/24	Varies	Horn Consulting Engineers LLC	1004	-	12/27/24	4021 E Jory Street, Newberg - A&E response includes ESR-2685 (dated September 2024) report and MiTek product evaluation standards (dated 12/21/23). Received electronically
12/12/24	12/5/24	Horn Consulting Engineers LLC	1005	-	12/27/24	4021 E Jory Street, Newberg - A&E response includes joist calcs and joist layouts sheets 03/05, 04/05 and 05/05. Received electronically

Re: 4070681

JTSC Spring Meadow BLDG3 part 1 of 2

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource (Beaverton, OR).

Pages or sheets covered by this seal: R83056629 thru R83056694

My license renewal date for the state of Oregon is December 31, 2024.



June 25, 2024

Reinmuth, Dustin

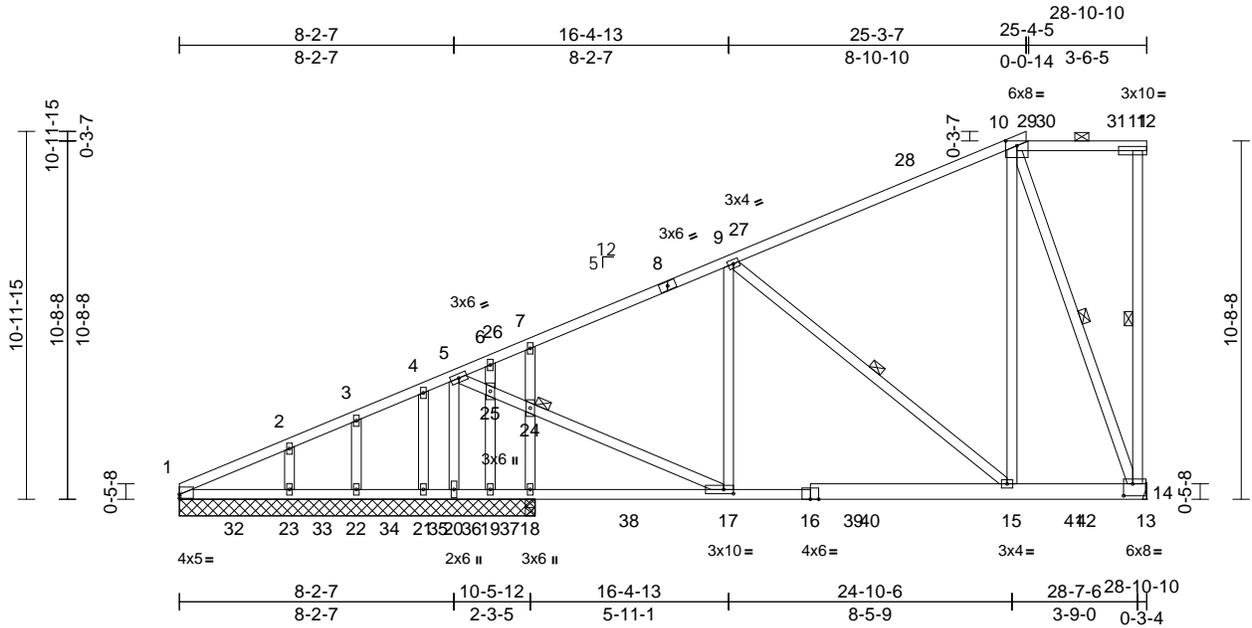
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which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

Job 4070681	Truss A01	Truss Type Monopitch Structural Gable	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056629
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



Scale = 1:68.5

Plate Offsets (X, Y): [1:Edge,0-1-6], [10:0-4-0,0-1-12], [14:0-3-4,0-4-4], [17:0-3-8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	-0.10	15-17	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.15	15-17	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.96	Horz(CT)	-0.02	14	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 189 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr *Except* 8-10:2x4 DF 2400F 2.0E
BOT CHORD 2x6 DF No.2 *Except* 16-1:2x4 DF No.1&Btr
WEBS 2x4 DF No.2
OTHERS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-15 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 10-12.
BOT CHORD Rigid ceiling directly applied or 4-1-11 oc bracing.

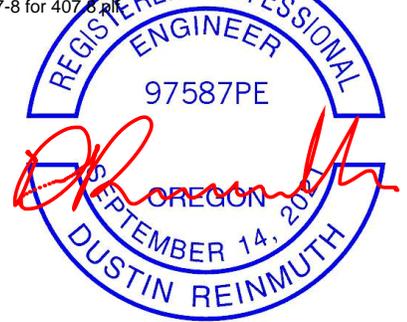
WEBS 1 Row at midpt 11-14, 9-15, 10-14
JOINTS 1 Brace at Jt(s): 24

REACTIONS (size)
1=10-7-8, 14= Mechanical, 18=10-7-8, 19=10-7-8, 20=10-7-8, 21=10-7-8, 22=10-7-8, 23=10-7-8
Max Horiz 1=356 (LC 46)
Max Uplift 1=-1127 (LC 43), 14=-590 (LC 46), 18=-25 (LC 52), 19=-296 (LC 99), 20=-818 (LC 51), 21=-158 (LC 51), 22=-41 (LC 52), 23=-129 (LC 52)
Max Grav 1=1263 (LC 50), 14=1380 (LC 35), 18=544 (LC 99), 19=250 (LC 108), 20=1231 (LC 36), 21=350 (LC 106), 22=311 (LC 105), 23=382 (LC 104)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3115/2732, 2-3=-2484/2155, 3-4=-2123/1825, 4-5=-1823/1558, 5-6=-3072/2591, 6-7=-2947/2467, 7-9=-2789/2300, 9-10=-2125/1823, 10-11=-666/629, 11-12=0/0, 11-14=-217/94

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCCL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-0 to 3-3-7, Interior (1) 3-3-7 to 25-0-2, Exterior(2R) 25-0-2 to 28-0-2, Interior (1) 28-0-2 to 28-10-10 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
4) Unbalanced snow loads have been considered for this design.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- 10) Bearings are assumed to be: , Joint 18 User Defined crushing capacity of 625 psi.
- 11) Refer to girder(s) for truss to truss connections.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 590 lb uplift at joint 14, 818 lb uplift at joint 20, 25 lb uplift at joint 18, 296 lb uplift at joint 19, 158 lb uplift at joint 21, 41 lb uplift at joint 22, 129 lb uplift at joint 23 and 1127 lb uplift at joint 1.
- 13) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 14) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along Bottom chord from 0-0-0 to 10-7-8 for 407.8 plf.



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss A01	Truss Type Monopitch Structural Gable	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056629
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 2

- 15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 131 lb down and 88 lb up at 25-4-0 on top 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 (lb/ft)
Vert: 1-10=-70, 10-11=-70, 11-12=-70, 1-13=-16
Concentrated Loads (lb)
Vert: 29=-77

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

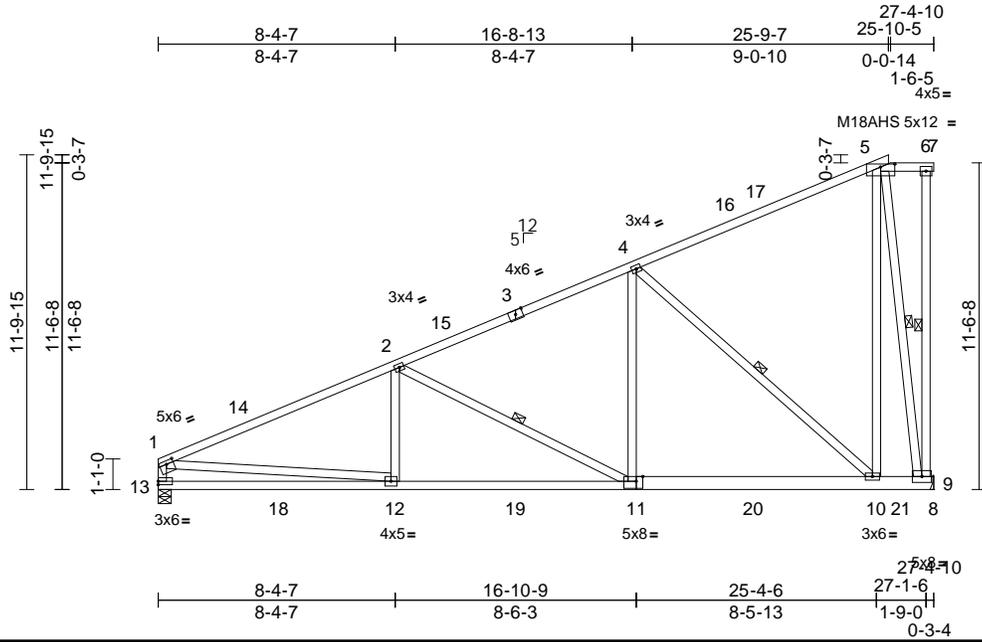
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss A02	Truss Type Roof Special	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056630
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



Scale = 1:81

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.28	12-13	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.38	12-13	>860	180	M18AHS	169/162
BCLL	0.0*	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.04	9	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 185 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 2400F 2.0E *Except* 5-7:2x4 DF No.1&Btr
BOT CHORD 2x6 DF No.2 *Except* 11-13:2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 8-5-7 oc bracing.
WEBS 1 Row at midpt 6-9, 5-9, 2-11, 4-10

REACTIONS (lb/size) 9=1323/ Mechanical, 13=1168/0-5-8
Max Horiz 13=361 (LC 11)
Max Uplift 9=-127 (LC 14), 13=-51 (LC 14)
Max Grav 9=1719 (LC 31), 13=1399 (LC 31)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-2422/245, 2-14=-2325/270, 2-15=-1733/220, 3-15=-1594/235, 3-4=-1450/255, 4-16=-549/188, 16-17=-385/193, 5-17=-375/212, 1-13=-1333/194
BOT CHORD 13-18=-627/647, 12-18=-627/647, 12-19=-493/2146, 11-19=-492/2146, 11-20=-344/1481, 10-20=-343/1481
WEBS 5-10=-213/1234, 5-9=-1845/331, 1-12=-116/1819, 2-12=-67/300, 2-11=-760/166, 4-11=0/677, 4-10=-1626/235

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 25-7-14, Exterior(2E) 25-7-14 to 27-4-10 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 127 lb uplift at joint 9 and 51 lb uplift at joint 13.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 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) 214 lb down and 108 lb up at 25-7-14 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-5=-70, 5-6=-70, 6-7=-70, 8-13=-16
Concentrated Loads (lb)
Vert: 5=-148



EXPIRES: 12/31/2024
June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpin.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

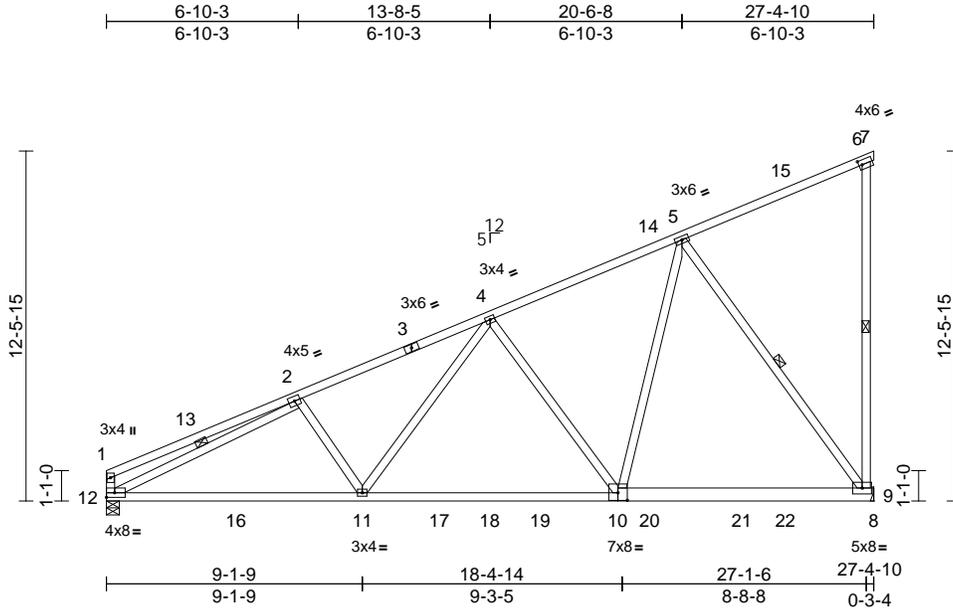
400 Sunrise Ave., Suite 270
Roseville, CA 95661
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Job 4070681	Truss A03	Truss Type Monopitch	Qty 6	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056631
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:44
ID:7TFNBJDp2BPVmwBlyl100?yBz?E-RFC?PsB70Hq3NSgPqnL8w3uITXbGKwRCDoi7J4zJC?F

Page: 1



Scale = 1:81.8

Plate Offsets (X, Y): [6:0-1-7,0-2-0], [10:0-4-0,0-3-4]

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	0.83	Vert(LL)	-0.36	11-12	>889	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.49	11-12	>667	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.04	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
												Weight: 165 lb FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x6 DF No.2 *Except* 10-12:2x4 DF No.1&Btr
 WEBS 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-5-10 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 8-9-8 oc bracing: 11-12.
 WEBS 1 Row at midpt 6-9, 5-9, 2-12

REACTIONS

(size) 9= Mechanical, 12=0-5-8
 Max Horiz 12=391 (LC 13)
 Max Uplift 9=-115 (LC 16), 12=-45 (LC 16)
 Max Grav 9=1530 (LC 5), 12=1269 (LC 5)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-392/91, 2-4=-1964/319, 4-5=-1179/276, 5-6=-212/191, 6-7=-12/0, 6-9=-355/116, 1-12=-323/101
 BOT CHORD 11-12=-572/1850, 9-11=-418/1413, 8-9=0/0
 WEBS 2-11=-299/192, 4-11=-84/577, 4-10=-704/202, 5-10=-112/983, 5-9=-1352/262, 2-12=-1766/226

NOTES

1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
 Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
 Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 27-4-10 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

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 115 lb uplift at joint 9 and 45 lb uplift at joint 12.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
 June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPI Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcsccomponents.com)

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Job 4070681	Truss A04	Truss Type GABLE	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056632
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:45
ID:7TFNBjDp2BPVmwBlyl10O?yBz?E-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 2

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 626 lb uplift at joint 17, 686 lb uplift at joint 2, 869 lb uplift at joint 28, 770 lb uplift at joint 24, 145 lb uplift at joint 19, 85 lb uplift at joint 20, 64 lb uplift at joint 22, 250 lb uplift at joint 23, 114 lb uplift at joint 25, 74 lb uplift at joint 26, 127 lb uplift at joint 27, 118 lb uplift at joint 29 and 58 lb uplift at joint 30.
- 12) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 13) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 22-2-8 for 218.7 plf.

LOAD CASE(S) Standard

⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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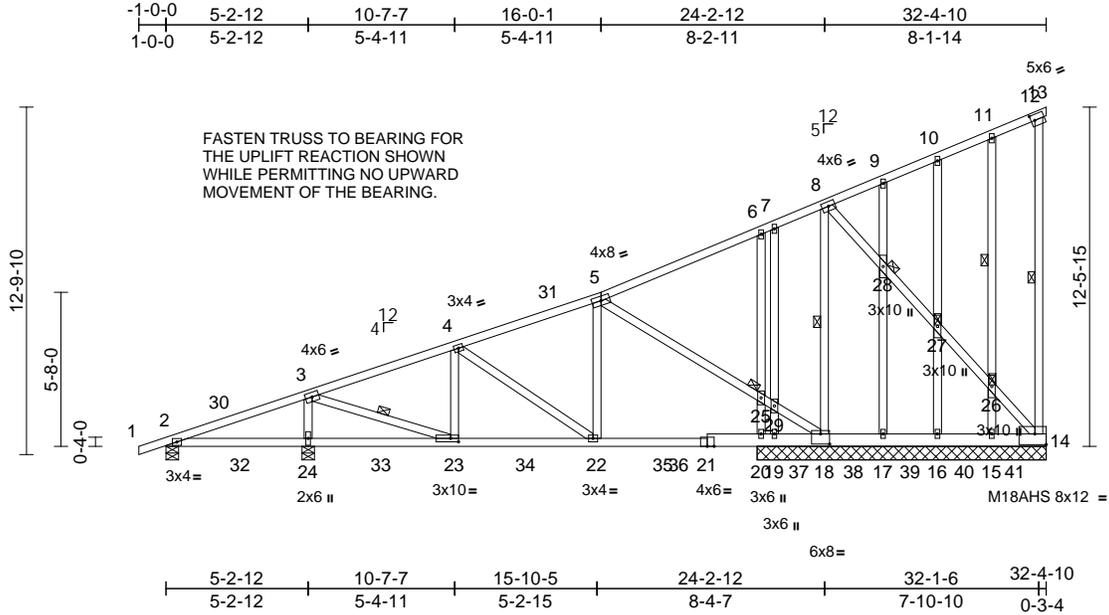
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Job 4070681	Truss A05	Truss Type GABLE	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056633
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:45
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Page: 1



Scale = 1:84.4

Plate Offsets (X, Y): [12:0-1-10,0-2-8], [14:Edge,0-4-12], [18:0-4-0,0-4-8], [23:0-3-8,0-1-8]

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	0.90	Vert(LL)	-0.08	22-23	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.11	22-23	>999	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	NO	WB	0.87	Horz(CT)	-0.06	15	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
												Weight: 247 lb FT = 20%

LUMBER	TOP CHORD	1-2=0/20, 2-3=-887/447, 3-4=-2326/1789, 4-5=-2047/1639, 5-6=-1622/1329, 6-7=-531/353, 7-8=-535/375, 8-9=-1562/1337, 9-10=-1216/1049, 10-11=-860/701, 11-12=-495/399, 12-13=-125/160, 12-14=-244/225	3)
TOP CHORD	2x4 DF No.1&Btr		TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
BOT CHORD	2x4 DF No.1&Btr *Except* 21-14:2x6 DF No.2		4) Unbalanced snow loads have been considered for this design.
WEBS	2x4 DF No.2		5) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
OTHERS	2x4 DF No.2		6) All plates are MT20 plates unless otherwise indicated.
BRACING			7) All plates are 2x4 MT20 unless otherwise indicated.
TOP CHORD	Structural wood sheathing directly applied or 4-4-0 oc purlins, except end verticals.		8) Gable studs spaced at 2-0-0 oc.
BOT CHORD	Rigid ceiling directly applied or 3-7-0 oc bracing.		9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
WEBS	1 Row at midpt 12-14, 3-23, 8-18, 11-26		10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
JOINTS	1 Brace at Jt(s): 25, 26, 27, 28		
REACTIONS	(size) 2=0-5-8, 13=10-7-10, 14=10-7-10, 15=10-7-10, 16=10-7-10, 17=10-7-10, 18=10-7-10, 19=10-7-10, 20=10-7-10, 24=0-5-8		
	Max Horiz 2=554 (LC 49)		
	Max Uplift 2=-171 (LC 46), 13=-163 (LC 47), 14=-1840 (LC 53), 15=-121 (LC 54), 16=-69 (LC 49), 17=-203 (LC 54), 18=-1456 (LC 54), 19=-1057 (LC 81), 20=-210 (LC 55), 24=-1440 (LC 54)		
	Max Grav 2=353 (LC 73), 13=213 (LC 52), 14=1676 (LC 46), 15=337 (LC 97), 16=329 (LC 96), 17=348 (LC 39), 18=1915 (LC 39), 19=318 (LC 55), 20=1382 (LC 81), 24=2055 (LC 39)		
FORCES	(lb) - Maximum Compression/Maximum Tension		
		NOTES	
		1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-0-0 to 2-2-14, Interior (1) 2-2-14 to 32-4-10 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.	



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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Job 4070681	Truss A05	Truss Type GABLE	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056633
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:45
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Page: 2

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 163 lb uplift at joint 13, 1840 lb uplift at joint 14, 171 lb uplift at joint 2, 1440 lb uplift at joint 24, 1456 lb uplift at joint 18, 210 lb uplift at joint 20, 121 lb uplift at joint 15, 69 lb uplift at joint 16, 203 lb uplift at joint 17 and 1057 lb uplift at joint 19.
- 12) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 13) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 21-9-0 to 32-4-10 for 456.8 plf.
- 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.

LOAD CASE(S) Standard

⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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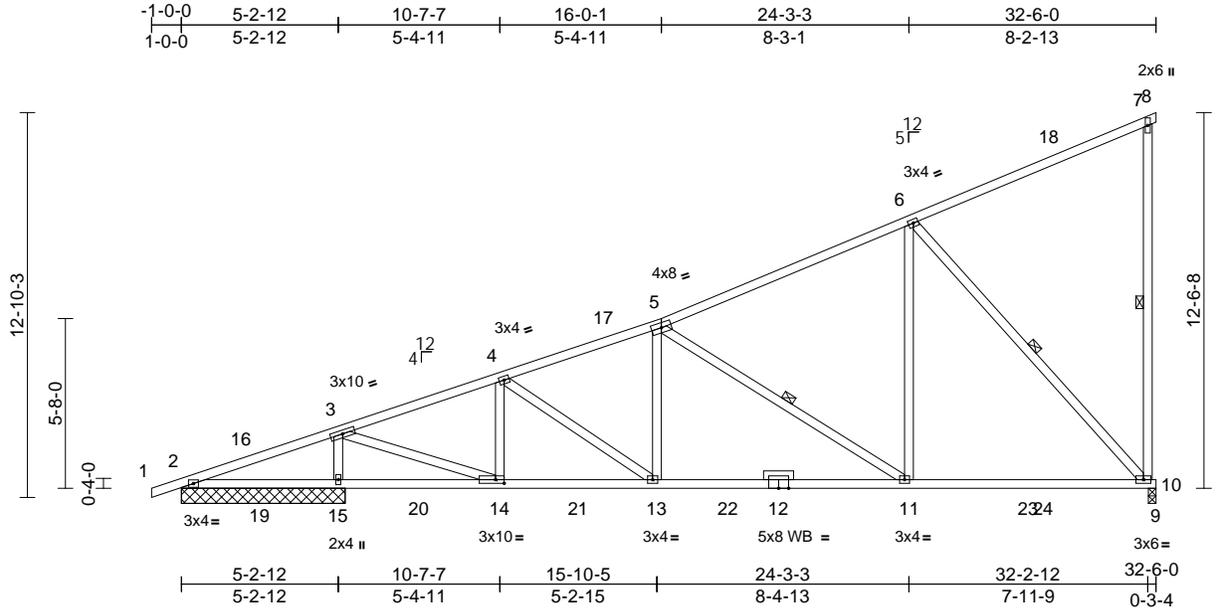
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Job 4070681	Truss A06	Truss Type ROOF SPECIAL	Qty 14	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056634
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:46
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Page: 1



Scale = 1:76.5

Plate Offsets (X, Y): [14:0-3-8,0-1-8]

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	0.67	Vert(LL)	-0.30	10-11	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.38	11-13	>857	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.03	10	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
											Weight: 179 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x4 DF No.1&Btr
 WEBS 2x4 DF No.2
 OTHERS 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-1-10 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 7-10, 5-11, 6-10

REACTIONS

(size) 2=5-5-8, 10=0-3-0, 15=5-5-8
 Max Horiz 2=343 (LC 16)
 Max Uplift 10=142 (LC 16), 15=109 (LC 16)
 Max Grav 2=305 (LC 42), 10=1256 (LC 5), 15=1675 (LC 5)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/20, 2-3=-351/431, 3-4=-1458/23, 4-5=-1593/69, 5-6=-1003/27, 6-7=-139/75, 7-8=-7/0, 7-10=-240/147
 BOT CHORD 2-15=-362/0, 14-15=-362/0, 13-14=-371/1334, 11-13=-347/1461, 10-11=-209/854, 9-10=0/0
 WEBS 3-15=-1463/338, 3-14=-268/1779, 4-14=-464/133, 4-13=-111/213, 5-13=0/278, 5-11=-723/167, 6-11=0/738, 6-10=-1256/306

NOTES

1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
 Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
 Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-0-0 to 2-3-0, Interior (1) 2-3-0 to 32-6-0 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

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 142 lb uplift at joint 10 and 109 lb uplift at joint 15.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
 June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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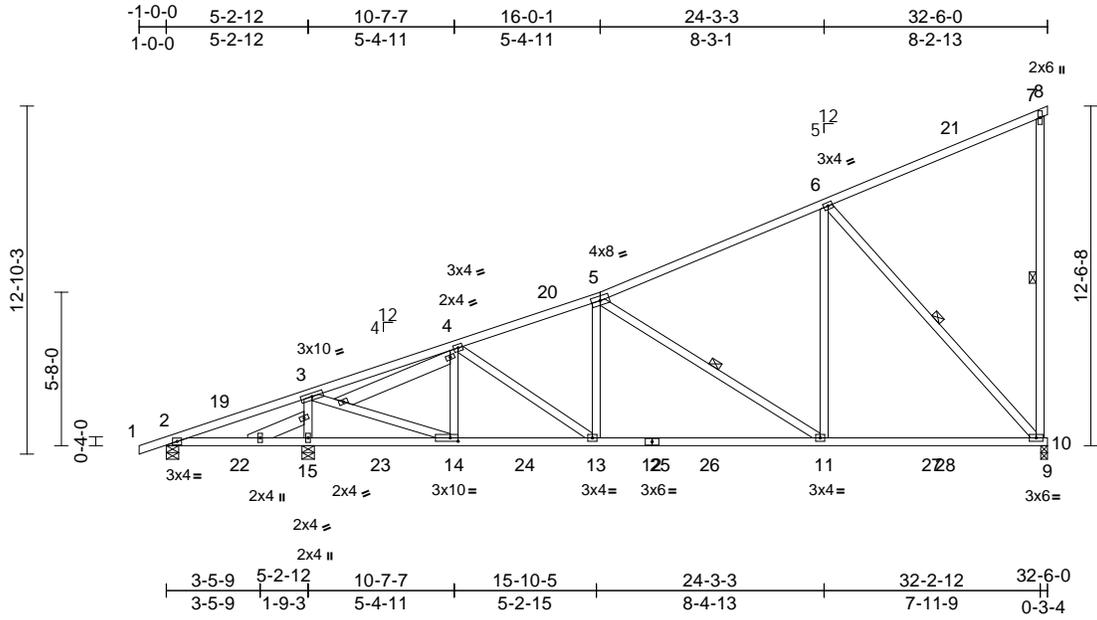
Job 4070681	Truss A06A	Truss Type ROOF SPECIAL	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056635
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:46

Page: 1

ID:7TFNBjDp2BPVmwBlyl10O?yBz?E-RFC?PsB70Hq3NSgPqnL8w3uITXbGKWRCDoi7J4zJC?#



Scale = 1:84.6

Plate Offsets (X, Y): [14:0-3-8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	Vert(LL)	-0.30	10-11	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	Vert(CT)	-0.38	11-13	>855	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	Horz(CT)	0.03	10	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH							
										Weight: 193 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x4 DF No.1&Btr
 WEBS 2x4 DF No.2 *Except* 16-17,18-4:2x6 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-1-10 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 7-10, 5-11, 6-10

REACTIONS

(size) 2=0-5-8, 10=0-3-0, 15=0-5-8
 Max Horiz 2=343 (LC 16)
 Max Uplift 10=-142 (LC 16), 15=-111 (LC 16)
 Max Grav 2=303 (LC 42), 10=1257 (LC 5), 15=1669 (LC 5)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/20, 2-3=-354/439, 3-4=-1461/25, 4-5=-1594/69, 5-6=-1004/27, 6-7=-139/75, 7-8=-7/0, 7-10=-240/147
 BOT CHORD 2-15=-367/0, 14-15=-367/0, 13-14=-372/1337, 11-13=-347/1461, 10-11=-209/855, 9-10=0/0
 WEBS 3-15=-1464/338, 3-14=-271/1787, 4-14=-465/133, 4-13=-112/210, 5-13=0/278, 5-11=-724/168, 6-11=-1/739, 6-10=-1256/306

NOTES

1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
 Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
 Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-0-0 to 2-3-0, Interior (1) 2-3-0 to 32-6-0 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

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 142 lb uplift at joint 10 and 111 lb uplift at joint 15.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
 June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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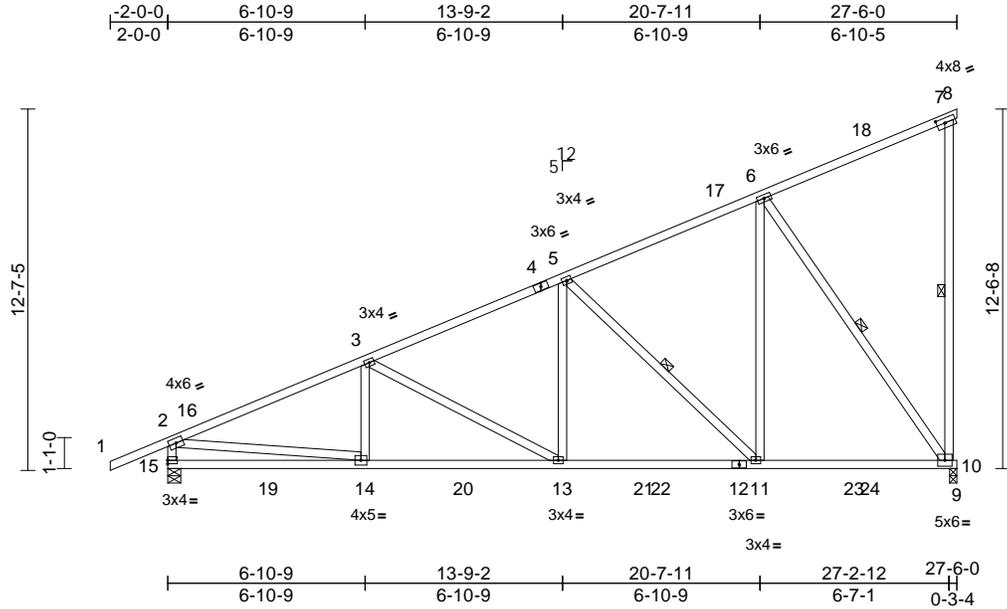
400 Sunrise Ave., Suite 270
 Roseville, CA 95661
 916.755.3571 / MiTek-US.com

Job 4070681	Truss A07	Truss Type Monopitch	Qty 8	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056636
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:46
ID:7TFNBjDp2BPVmwBlyl0O?yBz?E-RFC?PsB70Hq3NSgPqnL8w3uITXbGKwRcDoi7J4zJC?f

Page: 1



Scale = 1:79.9

Plate Offsets (X, Y): [7:0-3-7,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	-0.18	13-14	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.25	13-14	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.04	10	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 169 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2 *Except* 7-10:2x4 DF No.1&Btr

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-10, 5-11, 6-10

REACTIONS
(size) 10=0-3-0, 15=0-5-8
Max Horiz 15=406 (LC 13)
Max Uplift 10=-115 (LC 16), 15=-67 (LC 16)
Max Grav 10=1537 (LC 5), 15=1396 (LC 5)

FORCES
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=-2079/265, 3-5=-1626/271, 5-6=-948/251, 6-7=-217/197, 7-8=-12/0, 7-10=-363/117, 2-15=-1318/305
BOT CHORD 14-15=-679/648, 13-14=-549/1849, 11-13=-408/1430, 10-11=-273/812, 9-10=0/0
WEBS 3-14=-90/251, 3-13=-481/159, 5-13=-20/469, 5-11=-871/187, 6-11=-97/881, 6-10=-1391/238, 2-14=-187/1630

- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 19.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 115 lb uplift at joint 10 and 67 lb uplift at joint 15.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

- NOTES**
- Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 27-6-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.



EXPIRES: 12/31/2024
June 25, 2024

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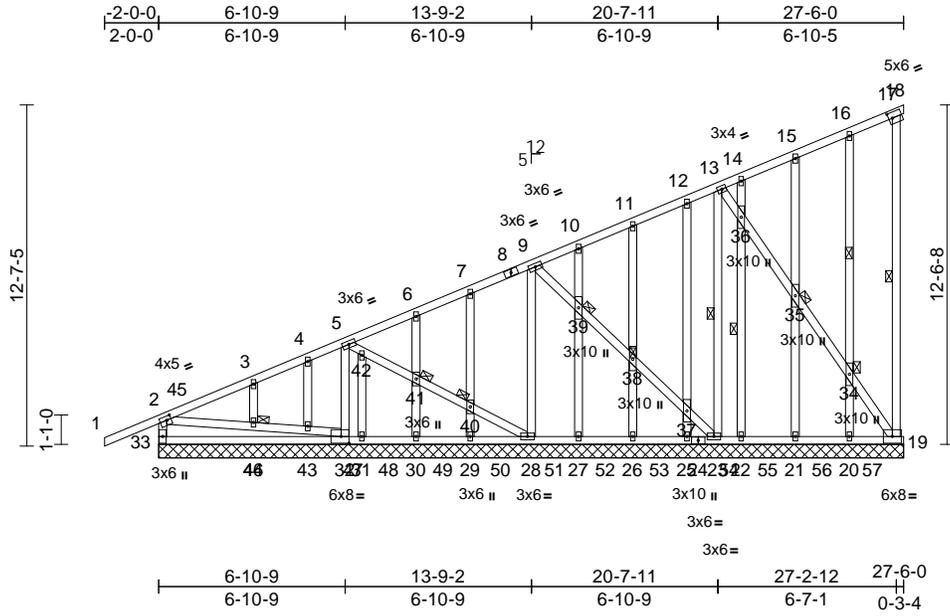
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss A7A	Truss Type GABLE	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056637
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:42
ID:7TFNBjDp2BPVmwByll0O?yBz?E-RFC?PsB70Hq3NSgPqnL8w3uITXbGKWRCoD7J4zJC?f

Page: 1



Scale = 1:84.6

Plate Offsets (X, Y): [2:0-2-0,0-1-12], [17:0-1-10,0-2-8], [32:0-3-8,0-3-0]

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	0.73	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.55	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.76	Horz(CT)	-0.07	18	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
											Weight: 265 lb	FT = 20%

LUMBER	FORCES	(lb) - Maximum Compression/Maximum Tension	1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 27-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
TOP CHORD	2x4 DF No.1&Btr	1-2=0/58, 2-3=-1723/1476, 3-4=-1165/910,	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.
BOT CHORD	2x4 DF No.1&Btr	4-5=-806/581, 5-6=-2012/1741,	3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
WEBS	2x4 DF No.2 *Except* 17-19:2x4 DF No.1&Btr	6-7=-1583/1303, 7-9=-1250/1020,	4) Unbalanced snow loads have been considered for this design.
OTHERS	2x4 DF No.2	9-10=-1850/1577, 10-11=-1570/1339,	5) This truss has been designed for greater of min roof live load of 19.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
BRACING		11-12=-1195/1012, 12-13=-918/770,	6) All plates are 2x4 (MT20) unless otherwise indicated.
TOP CHORD	Structural wood sheathing directly applied or 4-8-12 oc purlins, except end verticals.	13-14=-1281/1100, 14-15=-1179/1047,	
BOT CHORD	Rigid ceiling directly applied or 5-5-11 oc bracing.	15-16=-868/737, 16-17=-499/401,	
WEBS	1 Row at midpt 17-19, 13-23, 16-34, 22-36	17-18=-137/170, 17-19=-280/250,	
JOINTS	1 Brace at Jt(s): 34, 35, 38, 39, 40, 41, 44	2-33=-912/775	
REACTIONS	(size)	32-33=-1522/934, 31-32=-637/340,	
		30-31=-514/262, 29-30=-730/433,	
		28-29=-1070/772, 27-28=-774/594,	
		26-27=-513/333, 25-26=-574/394,	
		23-25=-728/565, 22-23=-587/477,	
		21-22=-458/318, 20-21=-538/428,	
		19-20=-797/687	
	Max Horiz	5-32=-1446/1306, 5-42=-1394/1508,	
	Max Uplift	41-42=-1427/1542, 40-41=-1410/1524,	
		28-40=-1431/1547, 9-28=-1167/1092,	
		9-39=-1217/1297, 38-39=-1242/1324,	
		37-38=-1237/1319, 23-37=-1240/1321,	
		13-23=-724/683, 13-36=-983/1054,	
		35-36=-1064/1143, 34-35=-1062/1137,	
		19-34=-1040/1117, 2-44=-1266/1490,	
		43-44=-1269/1493, 32-43=-1293/1519,	
		16-34=-235/156, 20-34=-236/173,	
		15-35=-246/83, 21-35=-246/80,	
		14-36=-288/228, 22-36=-361/320,	
		12-37=-241/204, 25-37=-244/208,	
		11-38=-161/112, 26-38=-165/120,	
		10-39=-160/116, 27-39=-189/151,	
		7-40=-183/118, 29-40=-222/162,	
		6-41=-113/91, 30-41=-133/130,	
		31-42=-92/81, 4-43=-132/151, 3-44=-62/51	
	Max Grav		
		18=230 (LC 52), 19=1053 (LC 46),	
		20=333 (LC 103), 21=335 (LC 102),	
		22=388 (LC 39), 23=285 (LC 100),	
		25=320 (LC 99), 26=336 (LC 98),	
		27=324 (LC 97), 28=476 (LC 67),	
		29=342 (LC 95), 30=323 (LC 94),	
		31=163 (LC 93), 32=1276 (LC 67),	
		33=890 (LC 53)	



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job 4070681	Truss A7A	Truss Type GABLE	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056637
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:42
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Page: 2

- 7) Gable requires continuous bottom chord bearing.
- 8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 9) Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1170 lb uplift at joint 19, 939 lb uplift at joint 32, 404 lb uplift at joint 28, 174 lb uplift at joint 23, 755 lb uplift at joint 33, 174 lb uplift at joint 18, 67 lb uplift at joint 20, 44 lb uplift at joint 21, 313 lb uplift at joint 22, 189 lb uplift at joint 25, 85 lb uplift at joint 26, 127 lb uplift at joint 27, 133 lb uplift at joint 29, 95 lb uplift at joint 30 and 592 lb uplift at joint 31.
- 13) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 14) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 27-6-0 for 150.0 plf.

LOAD CASE(S) Standard

⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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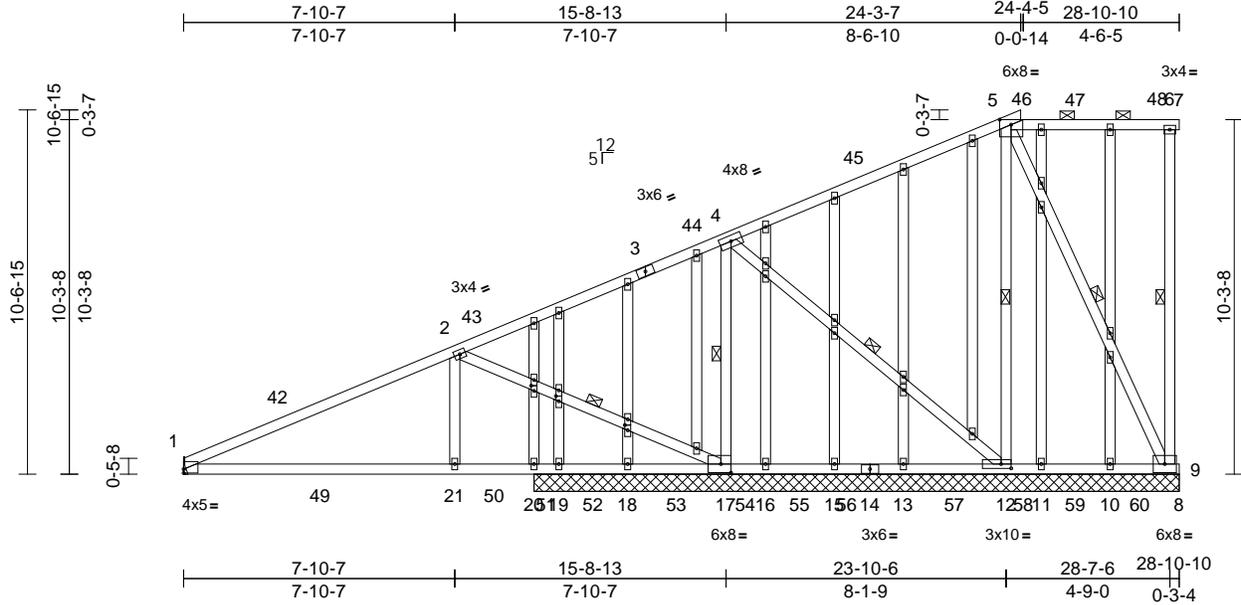
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Roseville, CA 95661
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Job 4070681	Truss A08	Truss Type GABLE	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056638
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 E Jan 19 2024 Print: 8.630 E Jan 19 2024 MiTek Industries, Inc. Tue Jun 25 13:38:00
ID:7TFNBjDp2BPVmwBlyl0O?yBz?E-s?ekmxMk0gBVTklwu0mZyV6eklEyJzckyBKQz2l3L

Page: 1



Scale = 1:66.5

Plate Offsets (X, Y): [1:Edge,0-1-6], [5:0-4-0,0-1-12], [12:0-3-8,0-1-8], [17:0-3-8,0-3-0], [22:0-1-13,0-1-0], [38:0-1-13,0-1-0], [40:0-1-13,0-1-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.21	1-21	>580	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.31	1-21	>387	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.90	Horz(CT)	-0.05	10	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 255 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr *Except* 3-5:2x4 DF 2400F 2.0E
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2
OTHERS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-5 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 4-0-3 oc bracing.
WEBS 1 Row at midpt 6-9, 2-17, 4-17, 4-12, 5-12, 5-9

REACTIONS All bearings 18-8-10. except 1= Mechanical (lb) - Max Horiz 1=375 (LC 42)
Max Uplift All uplift 100 (lb) or less at joint(s) 10, 11, 15, 16 except 1=936 (LC 48), 9=1121 (LC 43), 12=422 (LC 49), 17=1993 (LC 48), 19=309 (LC 61), 20=441 (LC 48)
Max Grav All reactions 250 (lb) or less at joint (s) except 1=1256 (LC 71), 9=1056 (LC 60), 10=295 (LC 110), 11=276 (LC 109), 12=628 (LC 32), 13=303 (LC 107), 15=291 (LC 106), 16=280 (LC 105), 17=2649 (LC 33), 18=305 (LC 103), 19=347 (LC 48), 20=419 (LC 61)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-42=-2646/2240, 2-42=-2202/1648, 2-43=-1440/1237, 3-43=-1307/1114, 3-44=-257/361, 4-44=-350/406, 4-45=-1737/1616, 5-45=-956/877, 5-46=-860/776, 46-47=-811/727, 47-48=-310/316, 6-9=280/90

BOT CHORD 1-49=-2435/2365, 21-49=-2435/2365, 21-50=-2435/2365, 20-50=-2435/2365, 20-51=-2435/2365, 19-51=-2351/2282, 19-52=-2268/2199, 18-52=-2037/1967, 18-53=-1739/1741, 17-53=-1475/1472, 17-54=-1285/1051, 16-54=-1152/812, 16-55=-1019/785, 15-55=-788/553, 15-56=-556/322, 14-56=-472/153, 13-14=-459/225, 13-57=-790/569, 12-57=-1149/914, 12-58=-894/780, 11-58=-682/604, 11-59=-658/544, 10-60=-394/280, 9-60=-595/480
WEBS 2-21=-69/392, 2-17=-1055/364, 4-17=-2336/2127, 4-12=-2015/2134, 5-12=-1117/1062, 5-9=-1097/1197

- NOTES**
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCCL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 24-0-2, Exterior(2R) 24-0-2 to 28-3-1, Interior (1) 28-3-1 to 28-10-10 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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
 - Unbalanced snow loads have been considered for this design.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 11, 15, 16 except (it-lb) 9=1121, 17=1993, 12=422, 20=441, 19=308, 1=936.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 10-2-0 to 28-10-10 for 231.5 plf.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job 4070681	Truss A08	Truss Type GABLE	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056638
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 E Jan 19 2024 Print: 8.630 E Jan 19 2024 MiTek Industries, Inc. Tue Jun 25 13:38:00
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Page: 2

15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 77 lb down and 53 lb up at 24-4-0 on top 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 (lb/ft)
Vert: 1-5=-70, 5-6=-70, 6-7=-70, 1-8=-16
Concentrated Loads (lb)
Vert: 46=-44

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek®

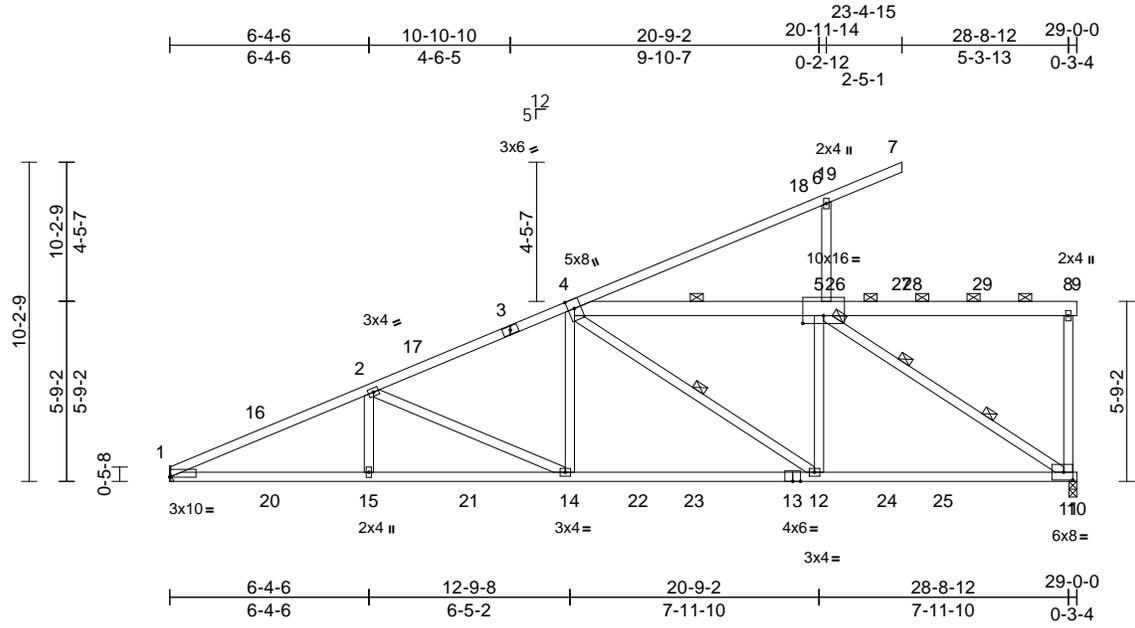
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss A09	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056639
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:47
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Page: 1



Scale = 1:73.3
Plate Offsets (X, Y): [1:Edge,0-0-2], [5:0-8-0,0-3-0], [11:0-3-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.34	11-12	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.45	11-12	>764	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.10	11	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 170 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr *Except* 4-9:2x6 DF No.2
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (9-8-4 max.): 4-9. Except:
1 Row at midpt 4-5
BOT CHORD Rigid ceiling directly applied or 8-4-7 oc bracing.
WEBS 1 Row at midpt 4-12
WEBS 2 Rows at 1/3 pts 5-11

REACTIONS
(size) 1= Mechanical, 11=0-3-0
Max Horiz 1=267 (LC 16)
Max Uplift 1=-46 (LC 16), 11=-149 (LC 16)
Max Grav 1=1615 (LC 34), 11=1746 (LC 34)

FORCES
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3490/290, 2-4=-2822/242,
4-6=-274/227, 6-7=-121/0, 4-5=-2320/668,
5-8=0/0, 8-9=0/0
BOT CHORD 1-15=-619/3113, 14-15=-619/3113,
12-14=-486/2513, 11-12=-635/2270,
10-11=0/0
WEBS 2-15=0/369, 8-11=-438/79, 4-14=0/505,
2-14=-649/145, 4-12=-304/299,
5-12=-26/492, 5-11=-2740/766, 5-6=-767/499

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 23-4-15, Exterior(2R) 20-9-2 to 23-9-2, Interior (1) 23-9-2 to 29-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- 3) Unbalanced snow loads have been considered for this design.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 1 and 149 lb uplift at joint 11.
- 10) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead 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.

LOAD CASE(S) Standard



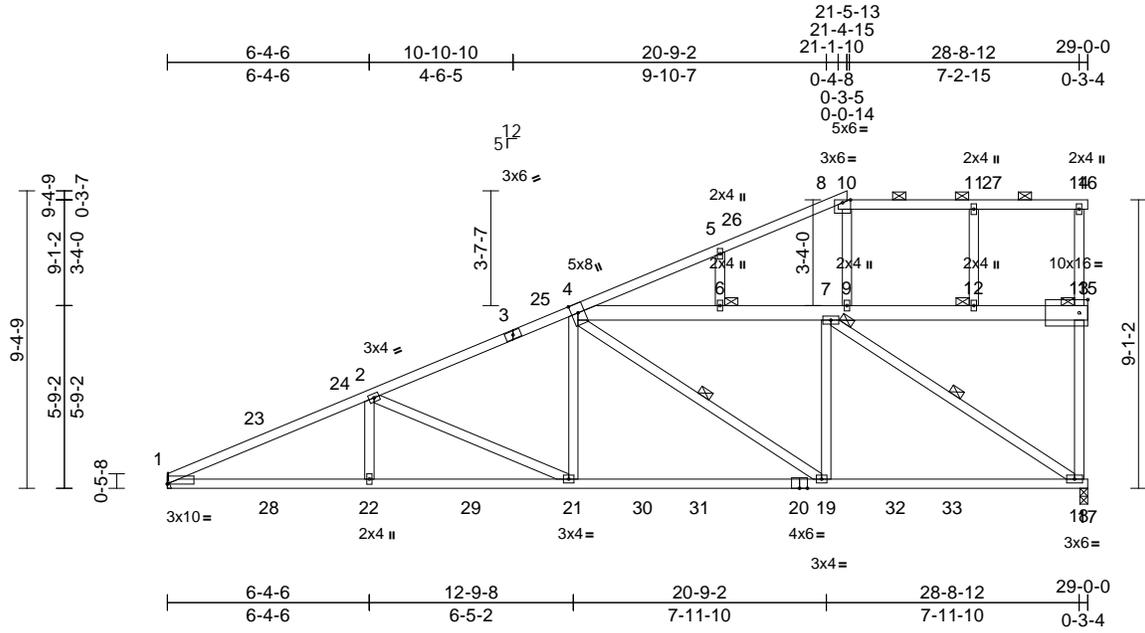
EXPIRES: 12/31/2024
June 25, 2024

Job 4070681	Truss A10	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056640
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:47
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Page: 1



Scale = 1:72.2

Plate Offsets (X, Y): [1:Edge,0-0-2], [13:0-3-4,0-5-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.34	18-19	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.45	18-19	>768	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.09	18	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 189 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr *Except* 4-15:2x6 DF No.2
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2
OTHERS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-9 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 8-16, 4-15.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-19, 7-18
JOINTS 1 Brace at Jt(s): 7, 13, 6, 12

REACTIONS (size) 1= Mechanical, 18=0-3-0
Max Horiz 1=244 (LC 74)
Max Uplift 1=-45 (LC 16), 18=-75 (LC 16)
Max Grav 1=1600 (LC 38), 18=1595 (LC 38)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3463/226, 2-4=-2683/189, 4-5=-125/92, 5-8=-78/84, 8-10=-91/31, 10-11=0/0, 11-14=0/0, 14-16=0/0, 4-6=-1912/282, 6-7=-1912/282, 7-9=0/0, 9-12=0/0, 12-13=0/0, 13-15=0/0
BOT CHORD 1-22=-442/3092, 21-22=-442/3092, 19-21=-324/2354, 18-19=-282/1912, 17-18=0/0
WEBS 2-22=0/369, 13-18=-385/69, 4-21=0/551, 2-21=-792/143, 4-19=-536/110, 7-19=0/595, 7-18=-2308/340, 13-14=-194/39, 9-10=-427/133, 5-6=-427/116, 11-12=-318/64

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 21-0-15, Exterior(2E) 28-8-12 to 29-0-0, Interior (1) 21-0-15 to 29-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 1 and 75 lb uplift at joint 18.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 141 lb down and 117 lb up at 21-5-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-70, 4-8=-70, 8-16=-70, 1-17=-16, 13-15=-70
Concentrated Loads (lb)
Vert: 10=-35



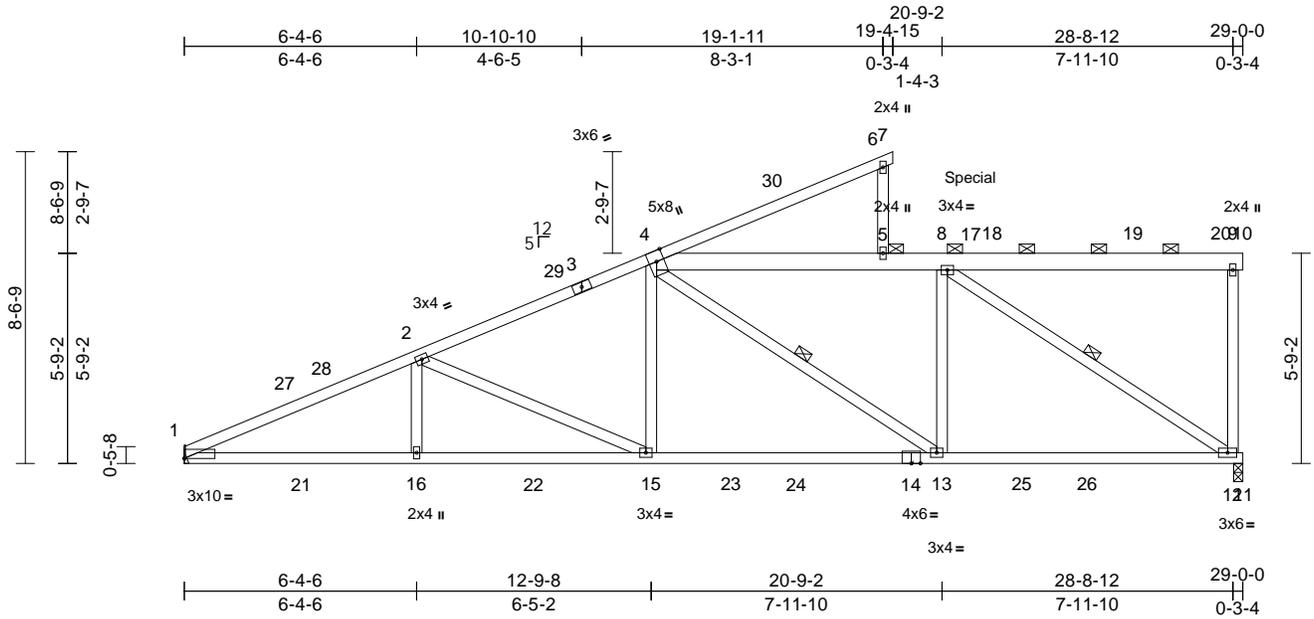
EXPIRES: 12/31/2024
June 25, 2024

Job 4070681	Truss A11	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056641
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



Scale = 1:62.8
Plate Offsets (X, Y): [1:Edge,0-0-2]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.34	12-13	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.45	12-13	>766	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.09	12	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 164 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr *Except* 4-10:2x6 DF No.2
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-4 oc purlins, except 2-0-0 oc purlins (5-4-3 max.): 4-10.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-13, 8-12

REACTIONS (size) 1= Mechanical, 12=0-3-0
Max Horiz 1=226 (LC 66)
Max Uplift 1=-39 (LC 16), 12=-64 (LC 13)
Max Grav 1=1616 (LC 34), 12=1520 (LC 35)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 4-5=-1754/265, 5-8=-1754/265, 8-9=0/0, 9-10=0/0, 1-2=-3478/250, 2-4=-2608/209, 4-6=-174/85, 6-7=-14/0
BOT CHORD 1-16=-440/3099, 15-16=-440/3099, 13-15=-325/2283, 12-13=-265/1754, 11-12=0/0
WEBS 2-16=0/369, 9-12=-422/68, 4-15=0/574, 2-15=-876/138, 4-13=-676/175, 8-13=0/656, 8-12=-2118/320, 5-6=-317/99

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 19-4-15, Exterior(2R) 19-1-11 to 22-1-11, Interior (1) 22-1-11 to 29-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 12.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 1 and 64 lb uplift at joint 12.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
- Special hanger(s) or other connection device(s) shall be provided at 21-6-12 from the left end sufficient to connect trusses to front face of top chord, skewed 0.0 deg. to the left, sloping -22.6 deg down.. The design/ selection of such special connection device(s) is the responsibility of others.
- 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 (lb/ft)
Vert: 5-10=-70, 1-11=-16, 1-4=-70, 4-7=-70
Concentrated Loads (lb)
Vert: 17=-96 (F)



EXPIRES: 12/31/2024
June 25, 2024

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MiTek®

400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss A12	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056642
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1

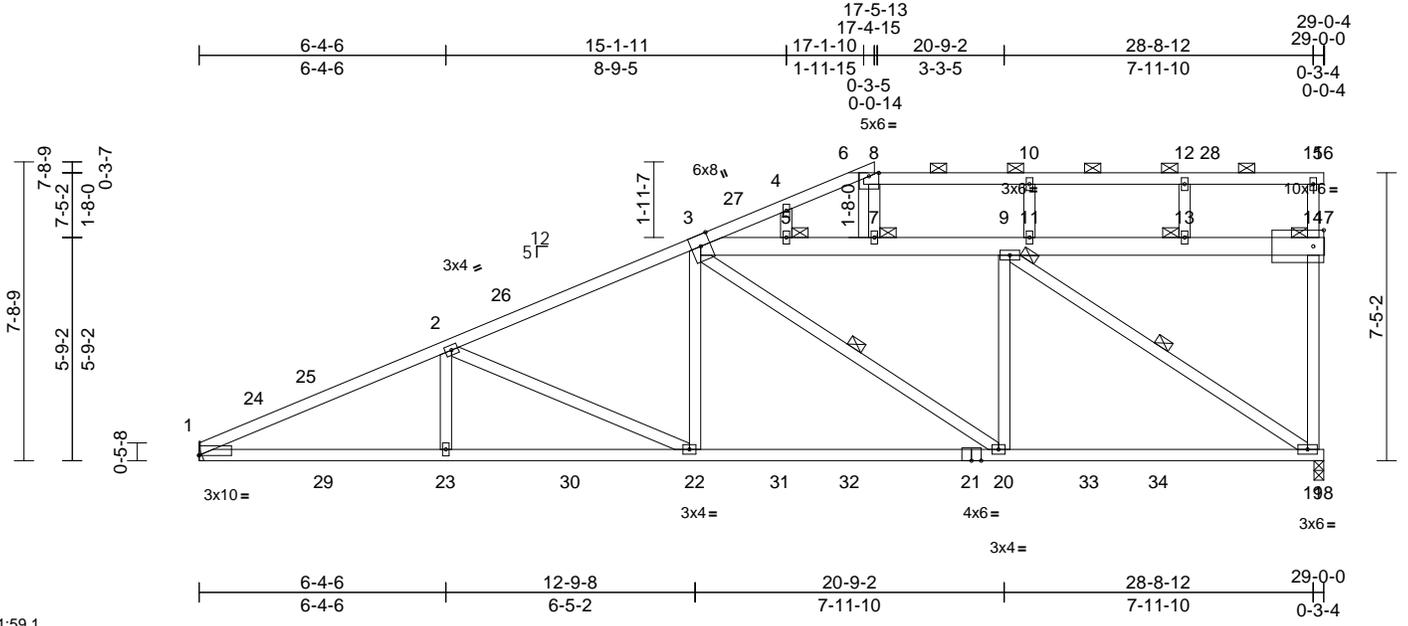


Plate Offsets (X, Y): [1:Edge,0-0-2], [14:0-3-4,0-5-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.34	19-20	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.45	19-20	>768	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.10	19	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 182 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr *Except* 3-17:2x6 DF No.2
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2
OTHERS 2x4 DF No.2

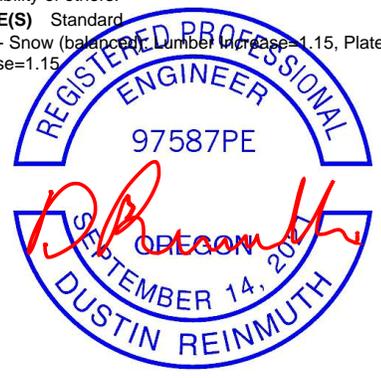
BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-11 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-16, 3-17.
BOT CHORD Rigid ceiling directly applied or 9-10-3 oc bracing.
WEBS 1 Row at midpt 3-20, 9-19
JOINTS 1 Brace at Jt(s): 14, 9, 5, 7, 13

REACTIONS (size) 1= Mechanical, 19=0-3-0
Max Horiz 1=198 (LC 74)
Max Uplift 1=64 (LC 16), 19=105 (LC 13)
Max Grav 1=1765 (LC 38), 19=1606 (LC 38)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3762/300, 2-3=-2796/267, 3-4=-102/22, 4-6=-35/34, 6-8=-49/21, 8-10=0/0, 10-12=0/0, 12-15=0/0, 15-16=0/0, 3-5=-1932/276, 5-7=-1932/276, 7-9=-1932/276, 9-11=0/0, 11-13=0/0, 13-14=0/0, 14-17=0/0
BOT CHORD 1-23=-459/3341, 22-23=-459/3341, 20-22=-348/2465, 19-20=-276/1932, 18-19=0/0
WEBS 2-23=0/367, 14-15=-143/41, 14-19=-281/80, 3-22=0/592, 2-22=-942/154, 3-20=-647/101, 9-20=0/647, 9-19=-2332/334, 4-5=-134/59, 7-8=-426/96, 10-11=-513/107, 12-13=-252/65

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TC DL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 17-0-15, Exterior(2E) 28-8-12 to 29-0-4, Interior (1) 17-0-15 to 29-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 19.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 64 lb uplift at joint 1 and 105 lb uplift at joint 19.

- N/A
 - This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 319 lb down and 144 lb up at 17-5-8 on top 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



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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Job 4070681	Truss A12	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056642
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 2

Uniform Loads (lb/ft)

Vert: 1-3=-70, 3-6=-70, 6-16=-70, 1-18=-16,
14-17=-70

Concentrated Loads (lb)

Vert: 8=-220

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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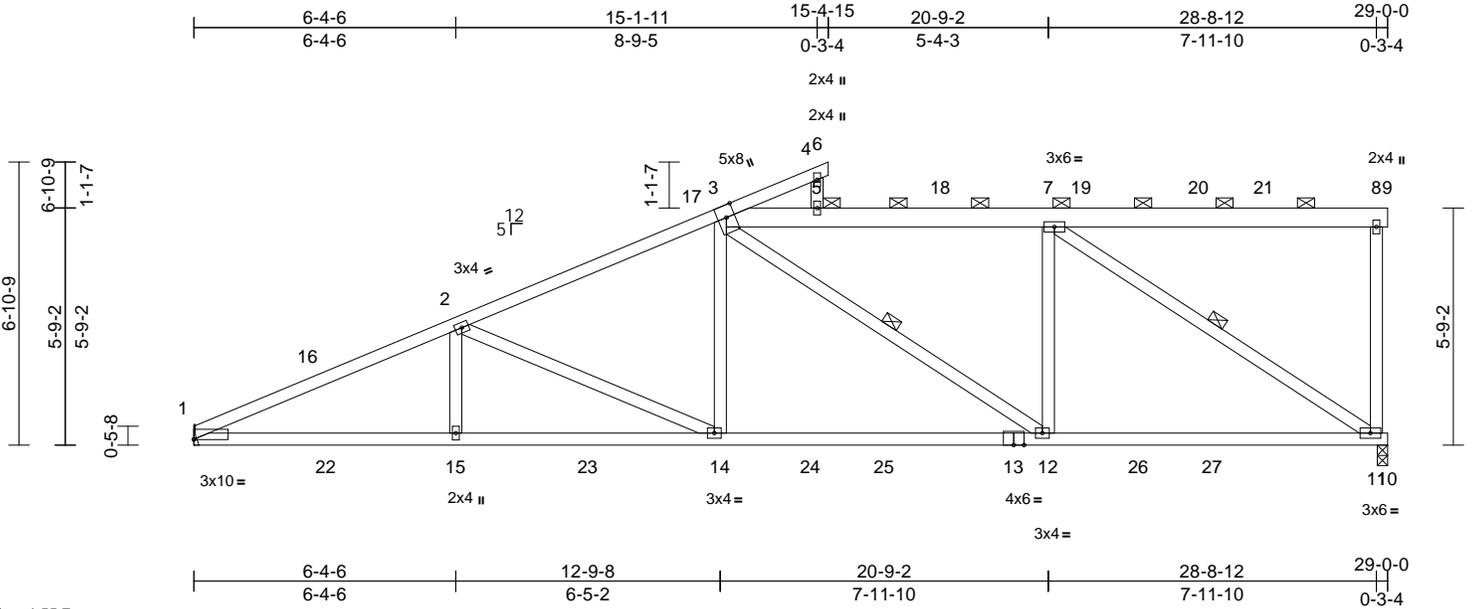
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Job 4070681	Truss A13	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056643
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:48
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Page: 1



Scale = 1:55.7

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.34	11-12	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.45	11-12	>766	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.09	11	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 155 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr *Except* 3-9:2x6 DF No.2
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-13 oc purlins, except 2-0-0 oc purlins (4-10-4 max.): 3-9.
BOT CHORD Rigid ceiling directly applied or 9-11-5 oc bracing.
WEBS 1 Row at midpt 3-12, 7-11

REACTIONS (size) 1= Mechanical, 11=0-3-0
Max Horiz 1=180 (LC 16)
Max Uplift 1=-46 (LC 16), 11=-95 (LC 13)
Max Grav 1=1695 (LC 34), 11=1675 (LC 33)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3474/312, 2-3=-2428/274, 3-4=-86/14, 4-6=-14/0, 3-5=-1816/262, 5-7=-1816/262, 7-8=0/0, 8-9=0/0
BOT CHORD 1-15=-450/3054, 14-15=-450/3054, 12-14=-337/2120, 11-12=-262/1816, 10-11=0/0
WEBS 2-15=0/367, 8-11=-397/71, 3-14=0/611, 2-14=-1009/136, 3-12=-645/138, 7-12=0/646, 7-11=-2192/316, 4-5=-93/37

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 15-4-15, Exterior(2R) 15-1-11 to 18-1-11, Interior (1) 18-1-11 to 29-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 1 and 95 lb uplift at joint 11.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 242 lb down and 98 lb up at 21-6-12 on top 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 (lb/ft)
Vert: 1-3=-70, 3-6=-70, 5-9=-70, 1-10=-16
Concentrated Loads (lb)
Vert: 19=-172



EXPIRES: 12/31/2024
June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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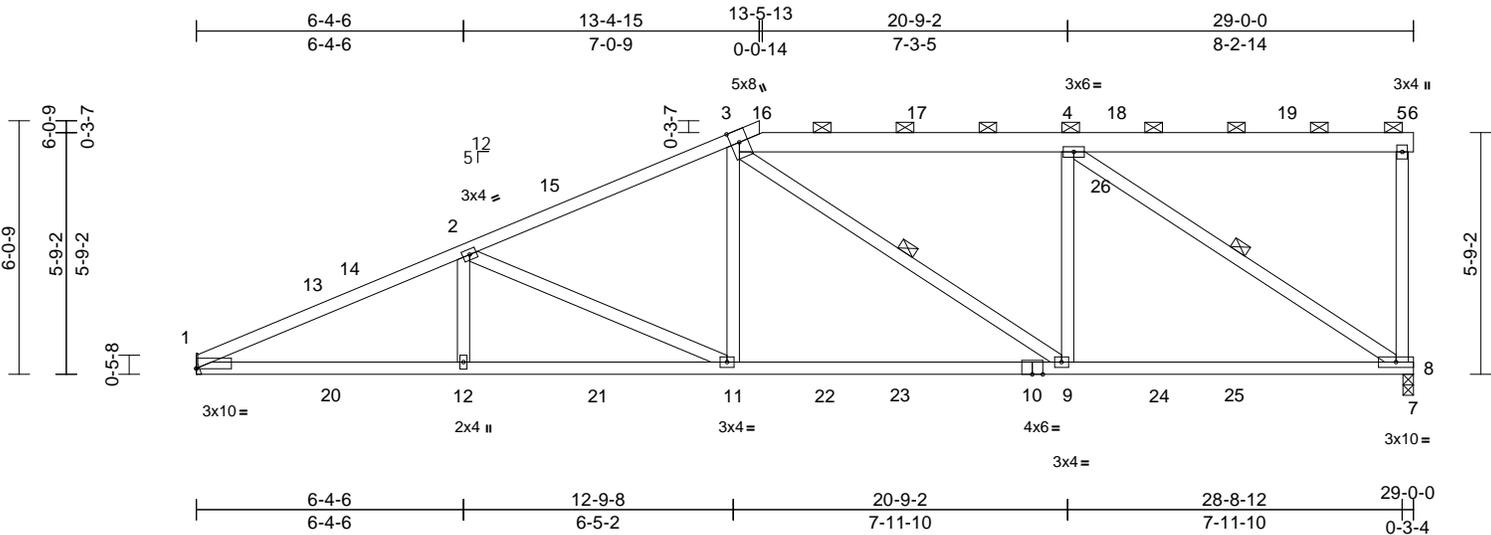
Job 4070681	Truss A14	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056644
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ProBuild West (Closed), Beaverton, OR - 97005,

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Scale = 1:54.6

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.27	8-9	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.37	9-11	>936	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.09	8	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 151 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr *Except* 3-6:2x6 DF No.2
 BOT CHORD 2x4 DF No.1&Btr
 WEBS 2x4 DF No.2 *Except* 9-3,8-4:2x4 DF 2400F 2.0E

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-10-2 oc purlins, except end verticals, and 2-0-0 oc purlins (4-5-11 max.): 3-6.
 BOT CHORD Rigid ceiling directly applied or 9-5-0 oc bracing.
 WEBS 1 Row at midpt 3-9, 4-8

REACTIONS

(size) 1= Mechanical, 8=0-3-0
 Max Horiz 1=175 (LC 13)
 Max Uplift 1=-44 (LC 16), 8=-101 (LC 13)
 Max Grav 1=1675 (LC 34), 8=1954 (LC 33)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-3438/350, 2-3=-2371/301, 3-4=-2183/299, 4-5=-120/111, 5-6=0/0, 5-8=-403/73
 BOT CHORD 1-12=-505/3025, 11-12=-505/3025, 9-11=-368/2141, 8-9=-307/2183, 7-8=0/0
 WEBS 2-12=0/366, 2-11=-1063/160, 3-11=0/633, 3-9=-571/105, 4-9=0/598, 4-8=-2614/292

NOTES

1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 12-11-4, Exterior(2R) 12-11-4 to 17-2-2, Interior (1) 17-2-2 to 29-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 8.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 1 and 101 lb uplift at joint 8.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 148 lb down and 34 lb up at 13-5-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (lb/ft)
 Vert: 1-3=-70, 3-5=-70, 5-6=-70, 1-7=-16
 Concentrated Loads (lb)
 Vert: 16=-116, 26=-311



EXPIRES: 12/31/2024
 June 25, 2024

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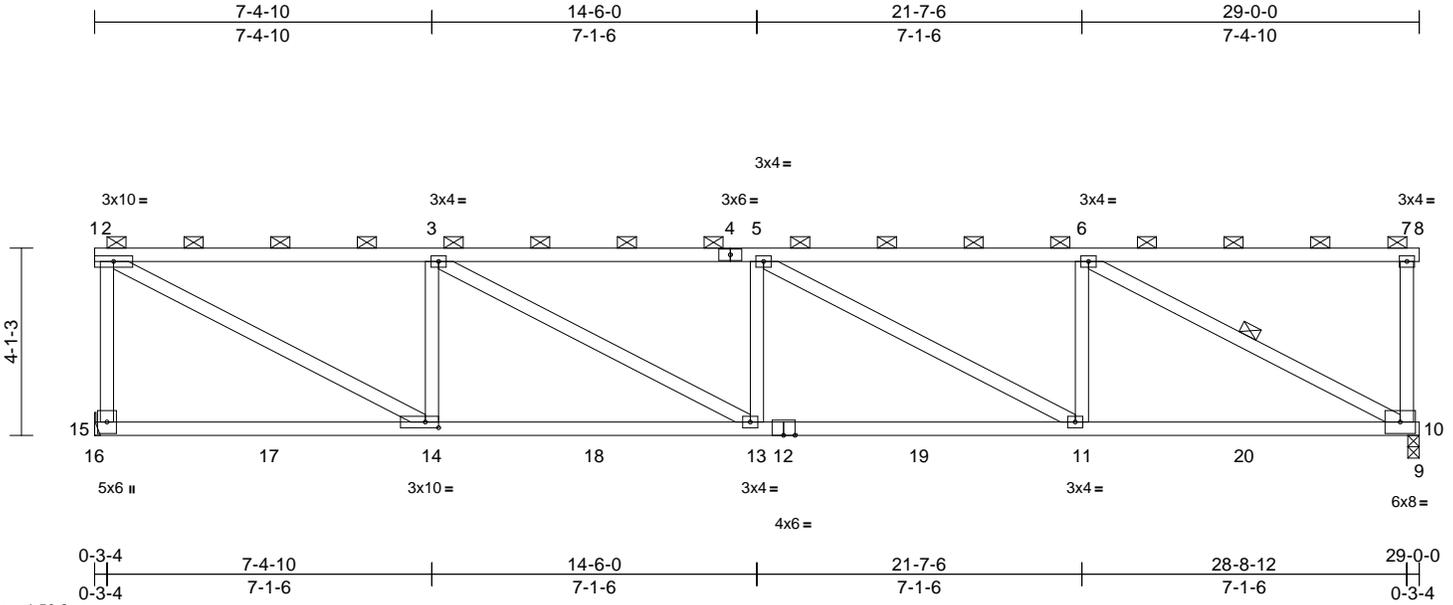
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Job 4070681	Truss A15	Truss Type Flat	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056645
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



Scale = 1:50.2

Plate Offsets (X, Y): [14:0-3-8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.21	13-14	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.32	11-13	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.06	10	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 144 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING

TOP CHORD 2-0-0 oc purlins (3-11-3 max.): 1-8, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-4-0 oc bracing.
WEBS 1 Row at midpt 6-10

REACTIONS

(size) 10=0-3-0, 15= Mechanical
Max Horiz 15=-112 (LC 8)
Max Uplift 10=-114 (LC 9), 15=-99 (LC 8)
Max Grav 10=1299 (LC 1), 15=1264 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-15=-1201/560, 1-2=0/0, 2-3=-1845/820, 3-5=-2434/1025, 5-6=-1910/817, 6-7=-103/101, 7-8=0/0, 7-10=-245/162
BOT CHORD 15-16=0/0, 14-15=-201/214, 13-14=-919/1845, 11-13=-1124/2434, 10-11=-853/1910, 9-10=0/0
WEBS 2-14=-886/2027, 3-14=-845/500, 5-13=-201/207, 5-11=-594/340, 6-11=-79/459, 6-10=-2101/883, 3-13=-304/668

NOTES

1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 99 lb uplift at joint 15 and 114 lb uplift at joint 10.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 90 lb down and 98 lb up at 21-6-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-70, 2-7=-70, 7-8=-70, 9-16=-16
Concentrated Loads (lb)
Vert: 6=-70



EXPIRES: 12/31/2024
June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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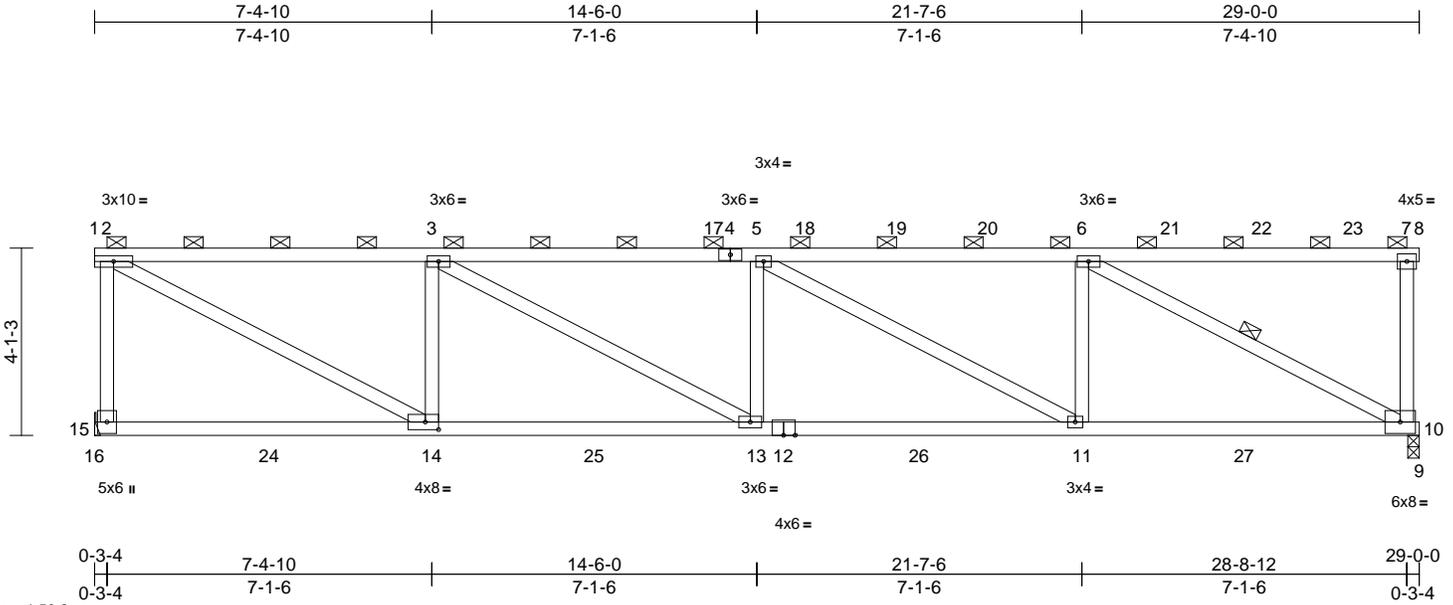
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Job 4070681	Truss A16	Truss Type Flat	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056646
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



Scale = 1:50.2

Plate Offsets (X, Y): [14:0-3-8,0-2-0]

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	0.73	Vert(LL)	-0.21	13-14	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.33	11-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.07	10	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
											Weight: 144 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING
TOP CHORD 2-0-0 oc purlins (3-3-0 max.): 1-8, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-4-11 oc bracing.
WEBS 1 Row at midpt 6-10

REACTIONS
(size) 10=0-3-0, 15= Mechanical
Max Horiz 15=-112 (LC 10)
Max Uplift 10=-246 (LC 11), 15=-155 (LC 10)
Max Grav 10=1713 (LC 1), 15=1502 (LC 1)

FORCES
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-15=-1438/555, 1-2=0/0, 2-3=-2285/810, 3-5=-3323/1005, 5-6=-2512/802, 6-7=-95/100, 7-8=0/0, 7-10=-344/157
BOT CHORD 15-16=0/0, 14-15=-201/214, 13-14=-909/2285, 11-13=-1104/3323, 10-11=-838/2512, 9-10=0/0
WEBS 2-14=-875/2523, 3-14=-1079/495, 3-13=-292/1204, 5-13=-455/202, 5-11=-919/301, 6-11=-60/542, 6-10=-2760/867

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 155 lb uplift at joint 15 and 246 lb uplift at joint 10.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 195 lb down and 97 lb up at 13-6-12, 183 lb down and 98 lb up at 15-6-12, 121 lb down and 98 lb up at 17-6-12, 92 lb down and 98 lb up at 19-6-12, 39 lb down and 81 lb up at 21-6-12, 90 lb down and 98 lb up at 23-6-12, and 90 lb down and 98 lb up at 25-6-12, and 90 lb down and 98 lb up at 27-6-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

Vert: 1-2=-70, 2-7=-70, 7-8=-70, 9-16=-16
Concentrated Loads (lb)
Vert: 17=-175, 18=-163, 19=-101, 20=-72, 21=-70, 22=-70, 23=-70

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)



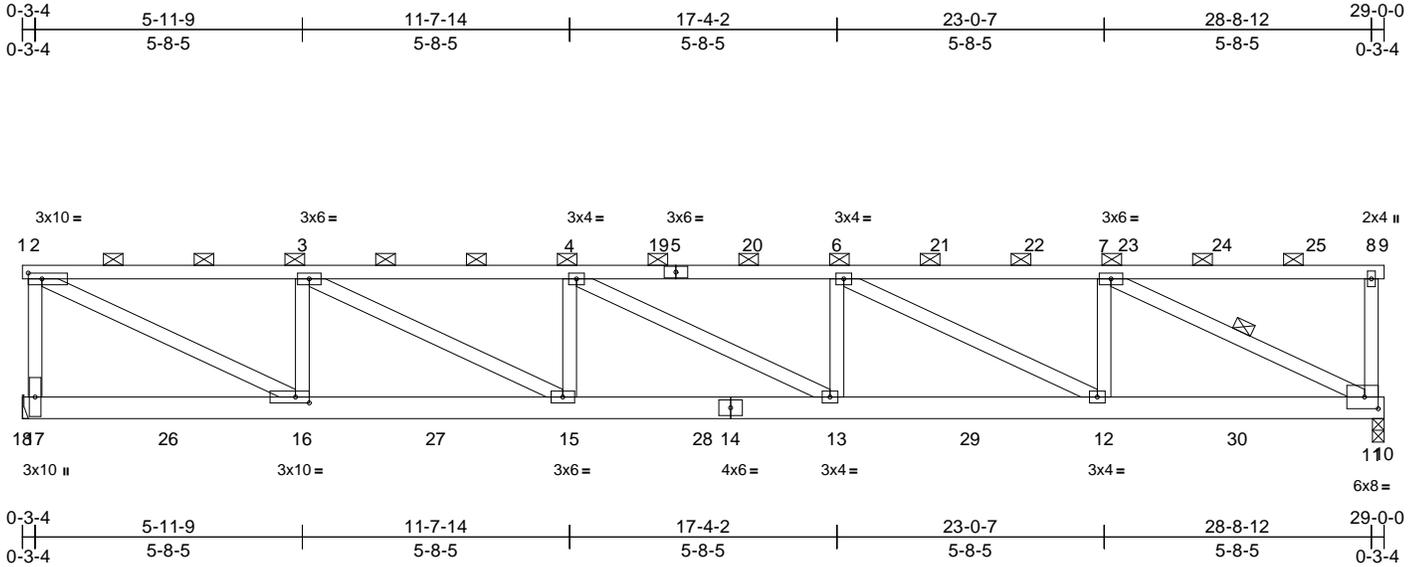
EXPIRES: 12/31/2024
June 25, 2024

Job 4070681	Truss A16A	Truss Type Flat	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056647
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:49
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Page: 1



Scale = 1:48.8

Plate Offsets (X, Y): [2:0-3-8,0-1-8], [11:0-3-8,0-3-0], [16:0-3-8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.18	13-15	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.30	13-15	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.05	11	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 162 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x6 DF No.2
WEBS 2x4 DF No.2

BRACING
TOP CHORD 2-0-0 oc purlins (3-5-8 max.): 1-9.
BOT CHORD Rigid ceiling directly applied or 6-11-13 oc bracing.
WEBS 1 Row at midpt 7-11

REACTIONS (size) 11=0-3-0, 17= Mechanical
Max Uplift 11=168 (LC 11), 17=116 (LC 10)
Max Grav 11=1313 (LC 1), 17=1290 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/0, 2-3=-2086/868, 3-4=-3115/1277, 4-6=-3132/1283, 6-7=-2138/877, 7-8=0/0, 8-9=0/0
BOT CHORD 17-18=0/0, 16-17=0/0, 15-16=-868/2086, 13-15=-1277/3115, 12-13=-1283/3132, 11-12=-877/2138, 10-11=0/0
WEBS 2-17=-1240/558, 8-11=-176/119, 2-16=-973/2340, 3-16=-965/506, 3-15=-460/1154, 4-15=-436/262, 4-13=-271/236, 6-13=-11/236, 6-12=-1115/456, 7-12=-141/599, 7-11=-2398/984

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 116 lb uplift at joint 17 and 168 lb uplift at joint 11.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 73 lb down and 82 lb up at 13-6-12, 40 lb down and 82 lb up at 15-6-12, 39 lb down and 81 lb up at 17-6-12, 39 lb down and 81 lb up at 19-6-12, 72 lb down and 111 lb up at 21-6-12, 39 lb down and 81 lb up at 23-6-12, and 39 lb down and 81 lb up at 25-6-12, and 39 lb down and 81 lb up at 27-6-12 on top 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 (lb/ft)
Vert: 1-9=70, 10-18=16

Concentrated Loads (lb)
Vert: 19=-53, 20=-3, 22=-53



EXPIRES: 12/31/2024
June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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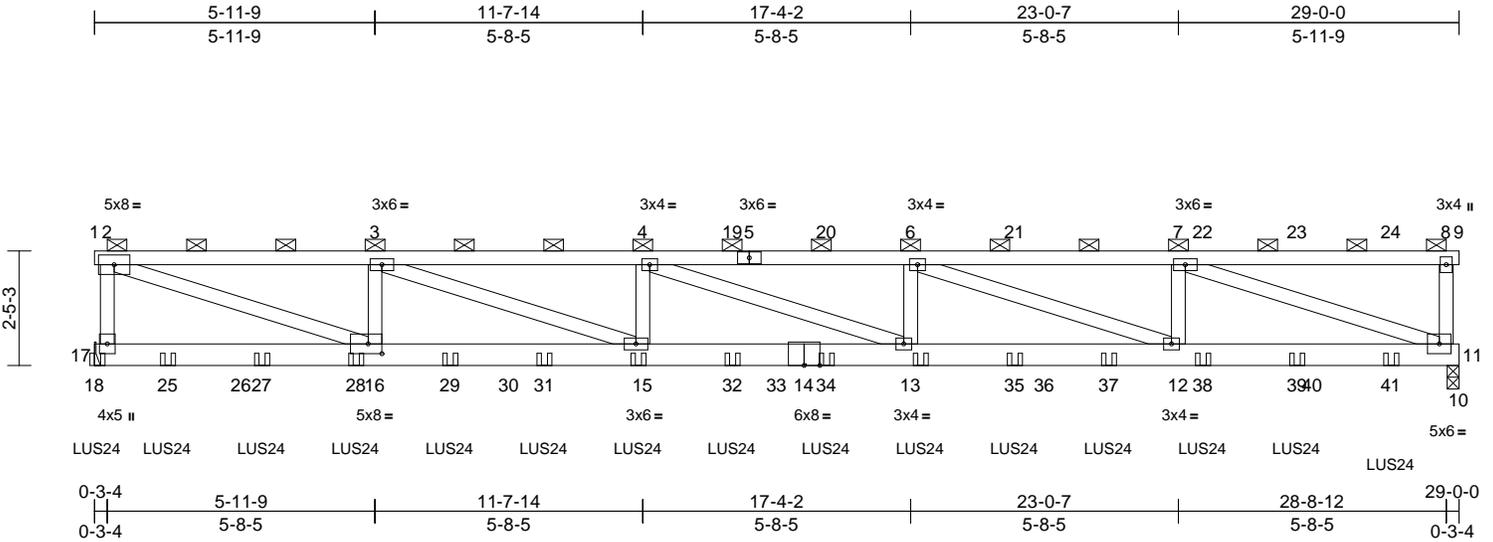
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss A17	Truss Type Flat Girder	Qty 1	Ply 2	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056648
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:49
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Page: 1



Scale = 1:48.7

Plate Offsets (X, Y): [16:0-3-8,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	-0.34	13-15	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.52	13-15	>659	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.70	Horz(CT)	0.07	11	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 306 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x6 DF No.2
WEBS 2x4 DF No.2

BRACING

TOP CHORD 2-0-0 oc purlins (4-6-10 max.): 1-9, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(size) 11=0-3-0, 17= Mechanical
Max Horiz 17=61 (LC 10)
Max Uplift 11=-309 (LC 11), 17=-443 (LC 10)
Max Grav 11=2459 (LC 1), 17=2992 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-17=-2346/705, 1-2=0/0, 2-3=-6052/1674, 3-4=-8544/2276, 4-6=-8175/2027, 6-7=-5447/1277, 7-8=-224/92, 8-9=0/0, 8-11=-297/142
BOT CHORD 17-18=0/0, 16-17=-168/219, 15-16=-1728/6052, 13-15=-2330/8544, 12-13=-2067/8175, 11-12=-1289/5447, 10-11=0/0
WEBS 2-16=-1684/6203, 3-16=-1273/498, 3-15=-669/2650, 4-15=-330/175, 4-13=-492/558, 6-13=-19/441, 6-12=-2901/827, 7-12=-154/1392, 7-11=-5554/1284

NOTES

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TC DL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 443 lb uplift at joint 17 and 309 lb uplift at joint 11.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

- Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-0-12 from the left end to 27-6-12 to connect truss(es) to front face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 80 lb down and 102 lb up at 13-6-12, 78 lb down and 104 lb up at 15-6-12, 72 lb down and 106 lb up at 17-6-12, 72 lb down and 108 lb up at 19-6-12, 72 lb down and 112 lb up at 23-6-12, and 72 lb down and 114 lb up at 25-6-12, and 72 lb down and 116 lb up at 27-6-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-70, 2-8=-70, 8-9=-70, 10-18=-16
Concentrated Loads (lb)



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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Job 4070681	Truss A17	Truss Type Flat Girder	Qty 1	Ply 2	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056648
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:49
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Page: 2

Vert: 18=-261 (F), 15=-253 (F), 13=-144 (F), 6=-52,
19=-61, 20=-58, 21=-52, 22=-52, 23=-52, 24=-52,
25=-253 (F), 27=-253 (F), 28=-253 (F), 29=-253 (F),
31=-253 (F), 32=-26 (F), 34=-26 (F), 35=-144 (F),
37=-23 (F), 38=-144 (F), 39=-144 (F), 41=-144 (F)

⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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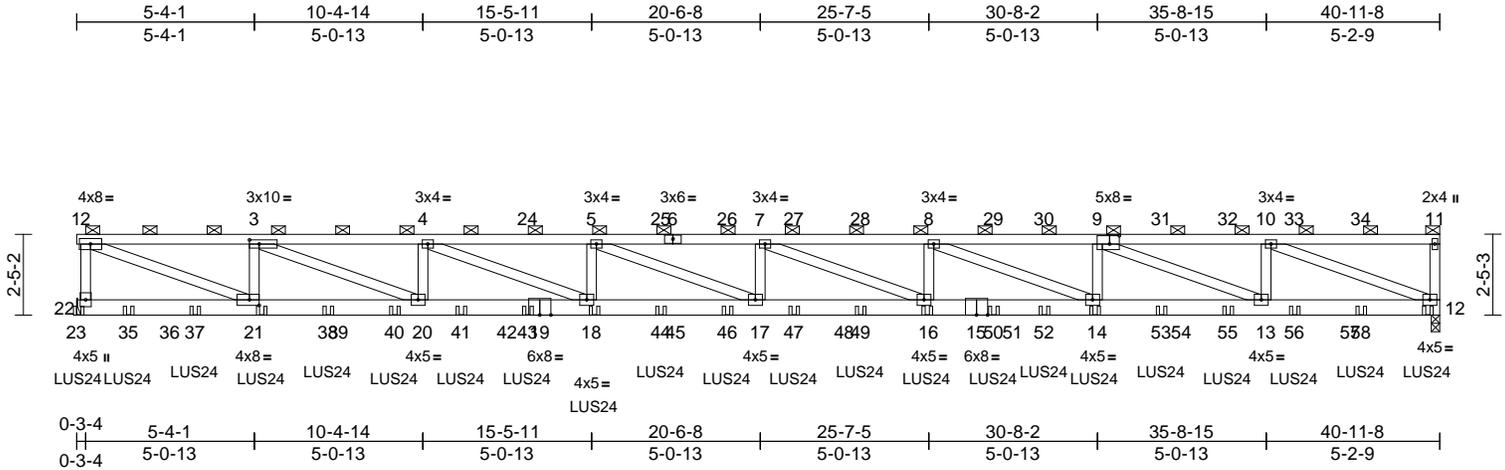
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Job 4070681	Truss A18	Truss Type FLAT GIRDER	Qty 1	Ply 3	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056649
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:52
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Page: 1



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)	-0.57	17-18	>852	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.91	17-18	>532	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.09	12	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
											Weight: 654 lb	FT = 20%

- LUMBER**
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x6 DF 2400F 2.0E
WEBS 2x4 DF No.2
- BRACING**
TOP CHORD 2-0-0 oc purlins (6-0-0 max.): 1-11, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
- REACTIONS** (size) 12=0-3-0, 22= Mechanical
Max Horiz 22=60 (LC 11)
Max Uplift 12=-961 (LC 11), 22=-793 (LC 10)
Max Grav 12=2796 (LC 1), 22=3710 (LC 1)
- FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-22=-3072/941, 1-2=0/0, 2-3=-7250/2162, 3-4=-11722/3589, 4-5=-13707/4386, 5-7=-14070/4723, 7-8=-12926/4538, 8-10=-10222/3702, 10-11=-122/84, 11-12=-310/122
BOT CHORD 22-23=0/0, 21-22=-159/206, 20-21=-2216/7250, 18-20=-3642/11722, 17-18=-4440/13707, 16-17=-4775/14070, 14-16=-4573/12926, 13-14=-3721/10222, 12-13=-2173/5913
WEBS 2-21=-2234/7599, 3-21=-2140/779, 3-20=-1558/4825, 4-20=-1178/520, 4-18=-955/2184, 5-18=-659/365, 5-17=-522/687, 7-17=-91/198, 7-16=-1233/218, 8-16=-124/599, 8-14=-2917/919, 9-14=-405/1245, 9-13=-4649/1670, 10-13=-631/1842, 10-12=-6248/2266
- NOTES**
- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) 0-0-0 to 5-0-0, Exterior (2) 5-0-0 to 35-9-12, Corner (3) 35-9-12 to 40-9-12 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
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 4x5 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 793 lb uplift at joint 22 and 961 lb uplift at joint 12.
 - This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss) or equivalent spaced at 4-0-0 oc max. starting at 0-0-12 from the left end to 40-7-4 to connect truss(es) to back face of bottom chord.
 - Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss) or equivalent at 17-6-12 from the left end to connect truss(es) to back face of bottom chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
 - Fill all nail holes where hanger is in contact with lumber.



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Roseville, CA 95661
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Job 4070681	Truss A18	Truss Type FLAT GIRDER	Qty 1	Ply 3	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056649
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:52
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Page: 2

16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 80 lb down and 102 lb up at 13-6-12, 78 lb down and 104 lb up at 15-6-12, 72 lb down and 106 lb up at 17-6-12, 72 lb down and 108 lb up at 19-6-12, 72 lb down and 111 lb up at 21-6-12, 72 lb down and 112 lb up at 23-6-12, 72 lb down and 114 lb up at 25-6-12, 72 lb down and 116 lb up at 27-6-12, 72 lb down and 113 lb up at 29-1-0, 72 lb down and 116 lb up at 30-7-4, 72 lb down and 114 lb up at 32-7-4, 72 lb down and 112 lb up at 34-7-4, 72 lb down and 111 lb up at 36-7-4, and 72 lb down and 108 lb up at 38-7-4, and 118 lb down and 84 lb up at 40-9-12 on top 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 (lb/ft)

Vert: 1-2=-70, 2-11=-70, 12-23=-16

Concentrated Loads (lb)

Vert: 11=-106, 12=-30 (B), 23=-261 (B), 21=-253 (B), 18=-26 (B), 5=-58, 16=-23 (B), 8=-52, 14=-23 (B), 9=-52, 24=-61, 25=-52, 26=-52, 27=-53, 28=-52, 29=-52, 30=-52, 31=-52, 32=-52, 33=-53, 34=-52, 35=-253 (B), 37=-253 (B), 38=-253 (B), 40=-253 (B), 41=-253 (B), 43=-26 (B), 44=-23 (B), 46=-23 (B), 47=-23 (B), 49=-23 (B), 50=-23 (B), 52=-23 (B), 53=-23 (B), 55=-23 (B), 56=-23 (B), 58=-23 (B)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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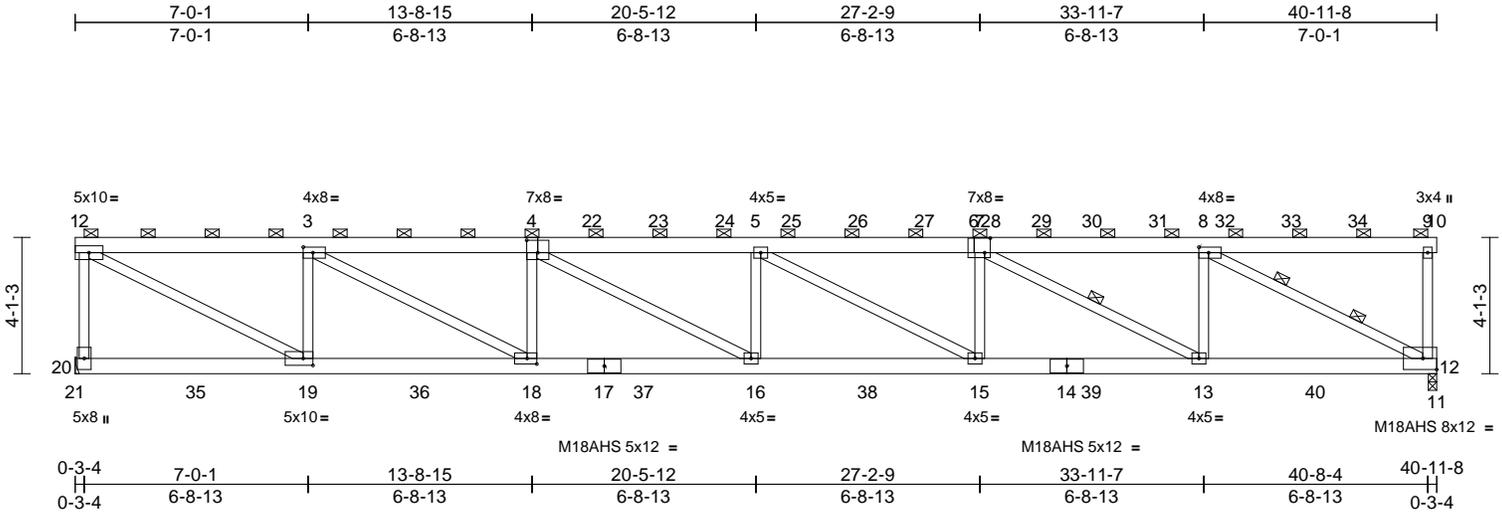
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Roseville, CA 95661
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Job 4070681	Truss A19A	Truss Type Flat	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056651
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:53
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Page: 1



Scale = 1:69

Plate Offsets (X, Y): [3:0-3-8,0-2-0], [4:0-4-0,0-4-8], [7:0-2-0,0-5-4], [8:0-3-8,0-2-0], [18:0-3-8,0-2-0], [19:0-3-8,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.49	16	>996	240	MT20 220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.76	15-16	>638	180	M18AHS 169/162
BCLL	0.0*	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.14	12	n/a	n/a	
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH							
											Weight: 263 lb FT = 20%

LUMBER
TOP CHORD 2x6 DF No.2
BOT CHORD 2x6 DF 2400F 2.0E *Except* 14-11:2x6 DF No.2
WEBS 2x4 DF No.2

BRACING
TOP CHORD 2-0-0 oc purlins (2-2-5 max.): 1-10, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-7-0 oc bracing.
WEBS 1 Row at midpt 7-13
WEBS 2 Rows at 1/3 pts 8-12

REACTIONS (size) 12=0-3-0, 20= Mechanical
Max Horiz 20=107 (LC 10)
Max Uplift 12=433 (LC 11), 20=274 (LC 10)
Max Grav 12=2622 (LC 1), 20=2259 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-20=2190/583, 1-2=0/0, 2-3=-3660/932, 3-5=-7033/1545, 5-7=-6242/1390, 7-8=-3958/915, 8-9=-85/86, 9-10=0/0, 9-12=-440/130
BOT CHORD 20-21=0/0, 19-20=-182/194, 18-19=-1027/3660, 16-18=-1499/6197, 15-16=-1639/7033, 13-15=-1444/6242, 12-13=-929/3958, 11-12=0/0
WEBS 2-19=-1006/4106, 3-19=-1851/561, 3-18=-583/2891, 4-18=-1272/338, 4-16=-333/1000, 5-16=-371/224, 5-15=-899/221, 7-15=-44/534, 7-13=-2596/586, 8-13=-198/1333, 8-12=-4436/987

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) 0-0-0 to 5-0-0, Exterior (2) 5-0-0 to 35-11-8, Corner (3) 35-11-8 to 40-11-8 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 274 lb uplift at joint 20 and 433 lb uplift at joint 12.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 195 lb down and 97 lb up at 13-6-12, 183 lb down and 98 lb up at 15-6-12, 121 lb down and 98 lb up at 17-6-12, 92 lb down and 98 lb up at 19-6-12, 90 lb down and 98 lb up at 21-6-12, 90 lb down and 98 lb up at 23-6-12, 90 lb down and 98 lb up at 25-6-12, 90 lb down and 98 lb up at 27-6-12, 90 lb down and 98 lb up at 29-1-0, 90 lb down and 98 lb up at 30-7-4, 90 lb down and 98 lb up at 32-7-4, 90 lb down and 98 lb up at 34-7-4, 90 lb down and 98 lb up at 36-7-4, and 92 lb down and 98 lb up at 38-7-4, and 160 lb down and 79 lb up at 40-7-4 on top chord. The design/selection of such connection device (s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-70, 2-9=-70, 9-10=70, 11-21=-16
Concentrated Loads (lb)



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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Job 4070681	Truss A19A	Truss Type Flat	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056651
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:53
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Page: 2

Vert: 9=-146, 4=-175, 22=-163, 23=-101, 24=-72,
25=-70, 26=-70, 27=-70, 28=-70, 29=-70, 30=-70,
31=-70, 32=-70, 33=-70, 34=-72

⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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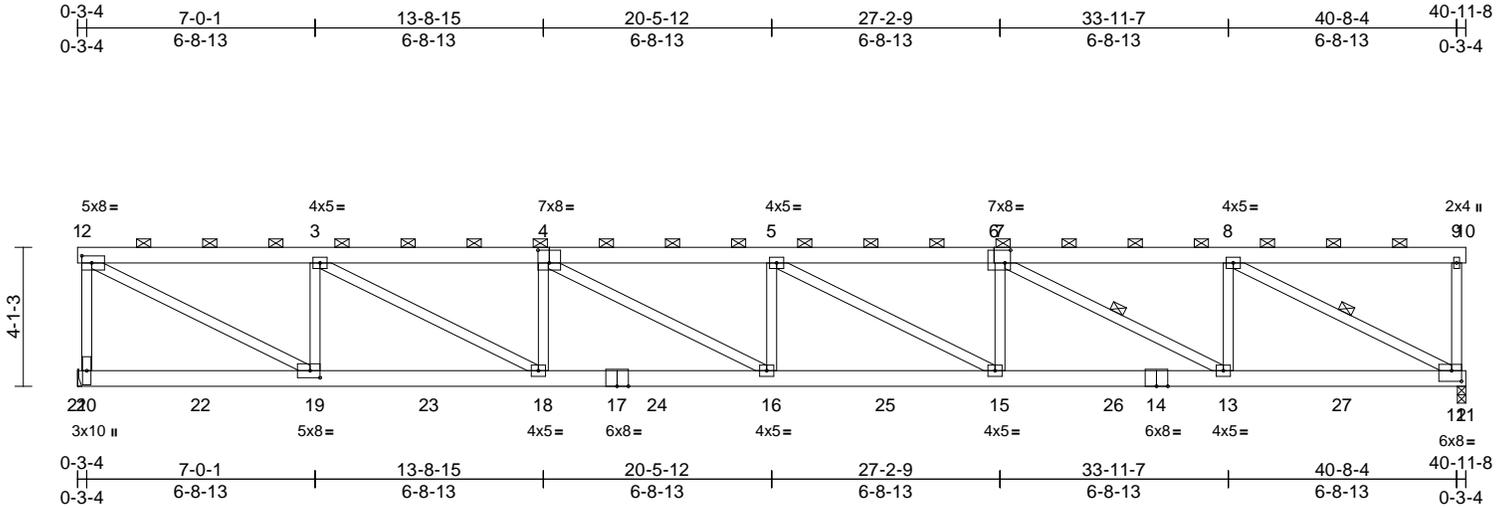
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Job 4070681	Truss A20	Truss Type Flat	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056652
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:53
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Page: 1



Scale = 1:67.6

Plate Offsets (X, Y): [2:0-3-8,0-2-8], [4:0-4-0,0-4-8], [6:0-2-0,0-4-8], [12:0-3-8,0-3-12], [19:0-3-8,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	-0.33	16	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.57	16	>858	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.12	12	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 263 lb	FT = 20%

LUMBER

TOP CHORD 2x6 DF No.2
BOT CHORD 2x6 DF No.2
WEBS 2x4 DF No.2

BRACING

TOP CHORD 2-0-0 oc purlins (3-3-8 max.): 1-10.
BOT CHORD Rigid ceiling directly applied or 6-2-15 oc bracing.
WEBS 1 Row at midpt 7-13, 8-12

REACTIONS

(size) 12=0-3-0, 20= Mechanical
Max Uplift 12=120 (LC 9), 20=120 (LC 8)
Max Grav 12=1761 (LC 1), 20=1761 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/0, 2-3=-2764/914, 3-5=-4878/1611, 5-7=-4337/1433, 7-8=-2766/914, 8-9=0/0, 9-10=0/0
BOT CHORD 20-21=0/0, 19-20=0/0, 18-19=-914/2764, 16-18=-1433/4337, 15-16=-1611/4878, 13-15=-1433/4337, 12-13=-914/2766, 11-12=0/0
WEBS 2-20=-1707/606, 9-12=-212/112, 2-19=-1039/3143, 3-19=-1379/569, 4-18=-747/343, 4-16=-203/615, 5-16=-185/163, 7-15=-35/424, 7-13=-1786/590, 8-13=-205/965, 3-18=-591/1788, 8-12=-3144/1039, 5-15=-615/203

NOTES

1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C
Corner (3) 0-0-0 to 5-0-0, Exterior (2) 5-0-0 to 35-11-8,
Corner (3) 35-11-8 to 40-11-8 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

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 120 lb uplift at joint 20 and 120 lb uplift at joint 12.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 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



EXPIRES: 12/31/2024
June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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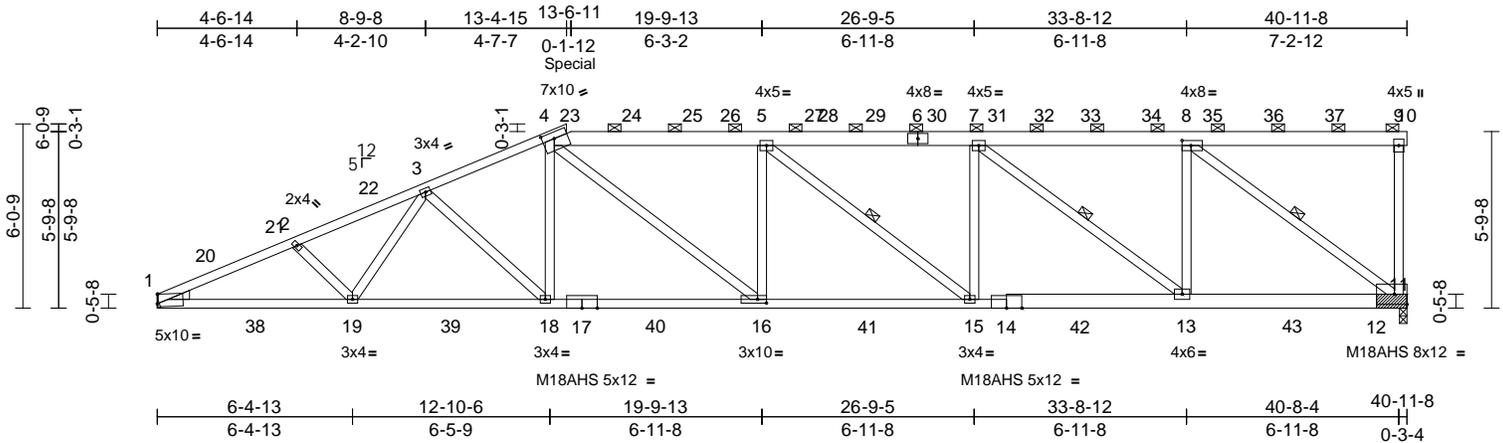
Job 4070681	Truss A21	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056653
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:54

Page: 1

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Scale = 1:75.1

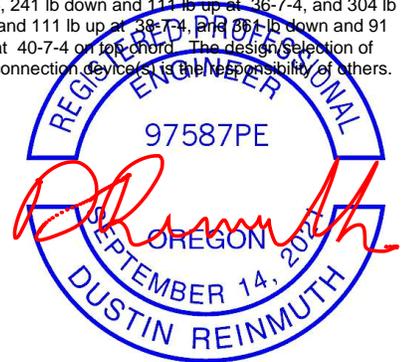
Plate Offsets (X, Y): [1:Edge,0-3-13], [4:0-4-12,0-2-8], [8:0-3-8,0-2-0], [16:0-3-8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	-0.49	16-18	>993	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.71	16-18	>683	180	M18AHS	169/162
BCLL	0.0*	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.27	11	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 244 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr *Except* 4-6:2x6 DF 2400F 2.0E, 6-10:2x6 DF No.2
BOT CHORD 2x4 DF No.1&Btr *Except* 14-11,12-11:2x6 DF No.2
WEBS 2x4 DF No.2 *Except* 13-7,11-8:2x4 DF 2400F 2.0E
WEDGE Left: 2x4 SP No.3
BRACING
TOP CHORD Structural wood sheathing directly applied or 1-11-5 oc purlins, except end verticals, and 2-0-0 oc purlins (2-11-7 max.): 4-10.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-15, 7-13, 8-11
REACTIONS (size) 1= Mechanical, 11=(0-3-0 + bearing block), (req. 0-4-0)
Max Horiz 1=149 (LC 68)
Max Uplift 1=-319 (LC 16), 11=-626 (LC 16)
Max Grav 1=3170 (LC 34), 11=3741 (LC 34)
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-7045/892, 2-3=-6751/888, 3-4=-6079/877, 4-5=-6653/1060, 5-7=-5937/1007, 7-8=-3864/671, 8-9=-34/6, 9-10=0/0, 9-11=-738/151
BOT CHORD 1-19=-951/6314, 18-19=-911/5970, 16-18=-840/5592, 15-16=-1060/6653, 13-15=-1007/5938, 11-13=-671/3864
WEBS 4-18=-67/458, 4-16=-358/1654, 5-16=-916/292, 5-15=-907/68, 7-15=0/598, 7-13=-2612/422, 8-13=-189/1757, 8-11=-4827/839, 2-19=-242/147, 3-19=-58/424, 3-18=-501/195

- 2x6 DF No.2 bearing block 12" long at jt. 11 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners. User Defined Bearing crushing capacity= 625psi.
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TC DL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 4-1-14, Interior (1) 4-1-14 to 13-0-2, Exterior(2R) 13-0-2 to 18-9-10, Interior (1) 18-9-10 to 40-11-8 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: Joint 1 User Defined crushing capacity of 625 psi, Joint 11 User Defined crushing capacity of 625 psi, Joint 11 DF No.2 crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 319 lb uplift at joint 1 and 626 lb uplift at joint 11.

- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 148 lb down and 34 lb up at 13-6-7, 158 lb down and 55 lb up at 13-6-12, 244 lb down and 93 lb up at 15-6-12, 338 lb down and 110 lb up at 17-6-12, 304 lb down and 111 lb up at 19-6-12, 241 lb down and 111 lb up at 21-6-12, 214 lb down and 111 lb up at 23-6-12, 210 lb down and 111 lb up at 25-6-12, 210 lb down and 111 lb up at 27-6-12, 211 lb down and 111 lb up at 29-1-0, 210 lb down and 111 lb up at 30-7-4, 210 lb down and 111 lb up at 32-7-4, 214 lb down and 111 lb up at 34-7-4, 241 lb down and 111 lb up at 36-7-4, and 304 lb down and 111 lb up at 38-7-4, and 361 lb down and 91 lb up at 40-7-4 on top chord. The design selection of such connection devices is the responsibility of others.



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

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Job 4070681	Truss A21	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056653
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:54

Page: 2

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15) 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 (lb/ft)

Vert: 1-4=-70, 4-9=-70, 9-10=-70, 1-11=-16

Concentrated Loads (lb)

Vert: 9=-313, 5=-234, 23=-254 (B=-138), 24=-178, 25=-268, 27=-171, 29=-144, 30=-140, 31=-140, 32=-141, 33=-140, 34=-140, 35=-144, 36=-171, 37=-234

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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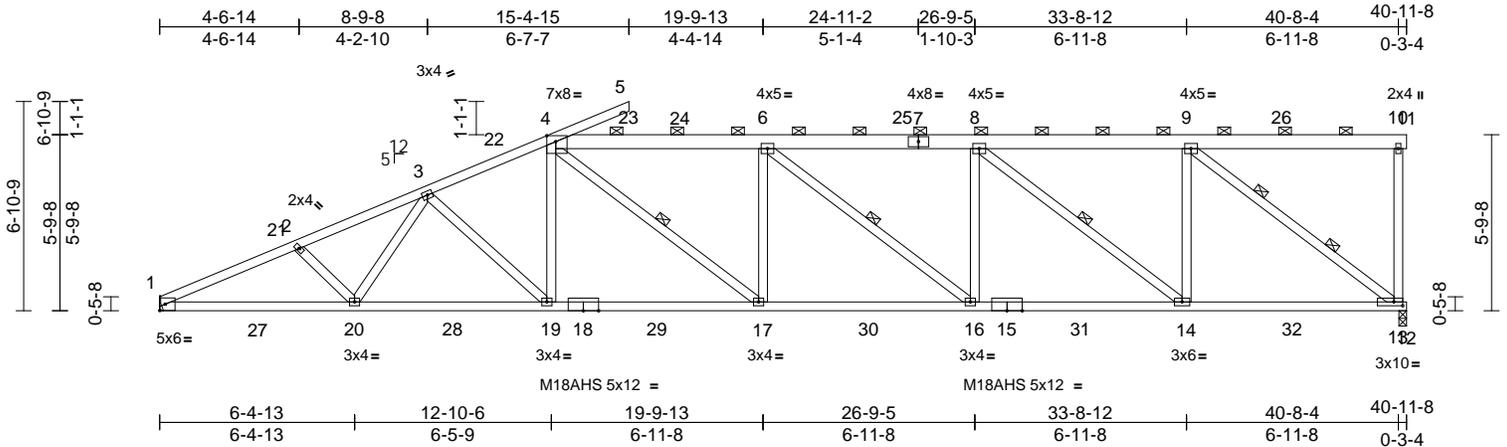
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Job 4070681	Truss A22	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056654
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:54
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Page: 1



Scale = 1:75.3

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	-0.38	16-17	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.56	16-17	>876	180	M18AHS	169/162
BCLL	0.0*	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.21	13	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 234 lb	FT = 20%

LUMBER
TOP CHORD 2x6 DF No.2 *Except* 1-5:2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-6-6 oc purlins, except 2-0-0 oc purlins (2-7-2 max.): 4-11.
BOT CHORD Rigid ceiling directly applied or 6-5-2 oc bracing.
WEBS 1 Row at midpt 4-17, 6-16, 8-14
WEBS 2 Rows at 1/3 pts 9-13

REACTIONS (size) 1= Mechanical, 13=0-3-0
Max Horiz 1=174 (LC 16)
Max Uplift 1=64 (LC 13), 13=137 (LC 13)
Max Grav 1=2256 (LC 34), 13=2649 (LC 33)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4877/902, 2-3=-4545/884, 3-4=-4379/889, 4-5=-136/0, 4-6=-4919/955, 6-8=-4448/708, 8-9=-2888/404, 9-10=0/0, 10-11=0/0
BOT CHORD 1-20=-1100/4348, 19-20=-1019/4081, 17-19=-1015/4094, 16-17=-955/4919, 14-16=-708/4448, 13-14=-404/2888, 12-13=0/0
WEBS 10-13=-351/65, 4-19=0/506, 4-17=-118/1054, 6-17=-546/186, 6-16=-849/313, 8-16=-128/629, 8-14=-1978/384, 9-14=-160/1339, 9-13=-3660/513, 2-20=-352/104, 3-20=-16/439, 3-19=-578/83

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 4-1-14, Interior (1) 4-1-14 to 15-4-15, Exterior(2R) 13-0-2 to 17-1-4, Interior (1) 17-1-4 to 40-11-8 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 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 8) Bearings are assumed to be: , Joint 13 DF No.1&Btr crushing capacity of 625 psi.
- 9) Refer to girder(s) for truss to truss connections.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 64 lb uplift at joint 1 and 137 lb uplift at joint 13.
- 11) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 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



EXPIRES: 12/31/2024
June 25, 2024

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

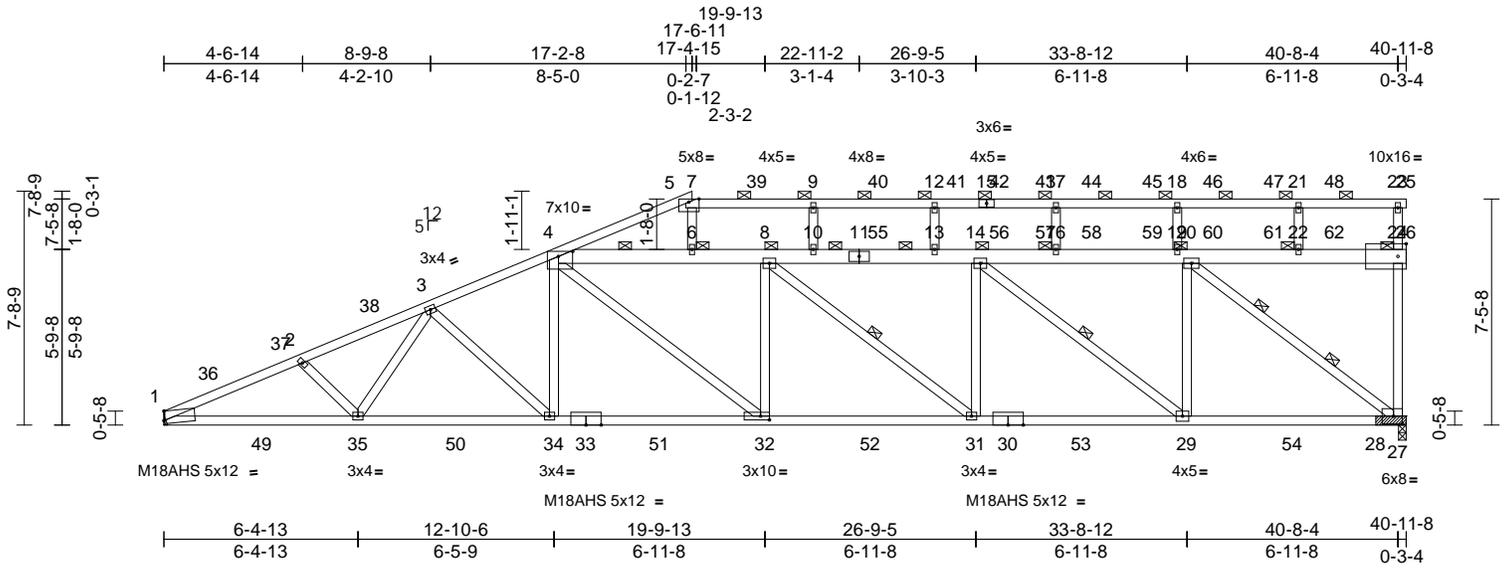
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Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss A23	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056655
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:55
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Page: 1



Scale = 1:75.6
Plate Offsets (X, Y): [1:Edge,0-3-12], [4:0-5-10,0-2-0], [24:0-3-4,0-5-0], [27:0-3-8,0-3-0], [32:0-3-8,0-1-8]

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	0.96	Vert(LL)	-0.46	32-34	>999	240	M18AHS	169/162
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.66	32-34	>735	180	MT20	220/195
TCDL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.26	27	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
												Weight: 283 lb FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr *Except* 4-11,11-26:2x6 DF No.2
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2 *Except*
32-4,31-8,29-14,27-20:2x4 DF No.1&Btr
OTHERS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-25, 4-26. Except:

1 Row at midpt 4-6
2 Rows at 1/3 pts 8-14

BOT CHORD Rigid ceiling directly applied or 7-3-10 oc bracing.

WEBS 1 Row at midpt 8-31, 14-29
WEBS 2 Rows at 1/3 pts 20-27
JOINTS 1 Brace at Jt(s): 24, 8, 14, 20, 6, 16, 22

REACTIONS (size) 1= Mechanical, 27=(0-3-0 + bearing block), (req. 0-3-9)
Max Horiz 1=199 (LC 16)
Max Uplift 1=230 (LC 16), 27=472 (LC 16)
Max Grav 1=2779 (LC 38), 27=3323 (LC 38)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-6233/674, 2-3=-5963/665, 3-4=-5273/657, 4-5=-112/85, 5-7=-103/33, 7-9=0/0, 9-12=0/0, 12-17=0/0, 17-18=0/0, 18-21=0/0, 21-23=0/0, 23-25=0/0, 4-6=-5744/852, 6-8=-5744/852, 8-10=-5111/761, 10-13=-5111/761, 13-14=-5111/761, 14-16=-3316/490, 16-19=-3316/490, 19-20=-3316/490, 20-22=0/0, 22-24=0/0, 24-26=0/0

BOT CHORD 1-35=-821/5602, 34-35=-765/5231, 32-34=-716/4847, 31-32=-852/5744, 29-31=-761/5111, 27-29=-490/3316
WEBS 24-27=-697/139, 4-34=-32/464, 4-32=-325/1566, 8-32=-865/271, 8-31=-802/129, 14-31=-15/600, 14-29=-2275/343, 20-29=-135/1522, 20-27=-4203/621, 2-35=-267/135, 3-35=-47/435, 3-34=-509/143, 23-24=-496/105, 6-7=-602/149, 9-10=-656/128, 12-13=-486/128, 16-17=-470/129, 18-19=-605/145, 21-22=-505/102

NOTES

- 2x4 DF No.1&Btr bearing block 12" long at jt. 27 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be DF No.1&Btr.
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TC DL=6.0psf; BC DL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 4-1-14, Interior (1) 4-1-14 to 17-1-13, Exterior(2E) 40-8-4 to 40-11-8, Interior (1) 17-1-13 to 40-11-8 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.

- All plates are MT20 plates unless otherwise indicated.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: Joint 27 DF No.1&Btr crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 230 lb uplift at joint 1 and 472 lb uplift at joint 27.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsc.com)

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Roseville, CA 95661
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Job 4070681	Truss A23	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056655
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:55
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Page: 2

17) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 319 lb down and 144 lb up at 17-6-3, 244 lb down and 93 lb up at 19-6-12, 242 lb down and 98 lb up at 21-6-12, 209 lb down and 98 lb up at 23-6-12, 156 lb down and 98 lb up at 25-6-12, 140 lb down and 98 lb up at 27-6-12, 192 lb down and 98 lb up at 29-1-0, 140 lb down and 98 lb up at 30-7-4, 156 lb down and 98 lb up at 32-7-4, 209 lb down and 98 lb up at 34-7-4, 242 lb down and 98 lb up at 36-7-4, and 244 lb down and 93 lb up at 38-7-4, and 357 lb down and 117 lb up at 40-7-13 on top 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 (lb/ft)

Vert: 1-4=-70, 4-5=-70, 5-25=-70, 1-27=-16, 24-26=-70

Concentrated Loads (lb)

Vert: 23=-297, 7=-220, 9=-172, 12=-86, 39=-178, 40=-139, 42=-70, 43=-122, 44=-70, 45=-86, 46=-139, 47=-172, 48=-178

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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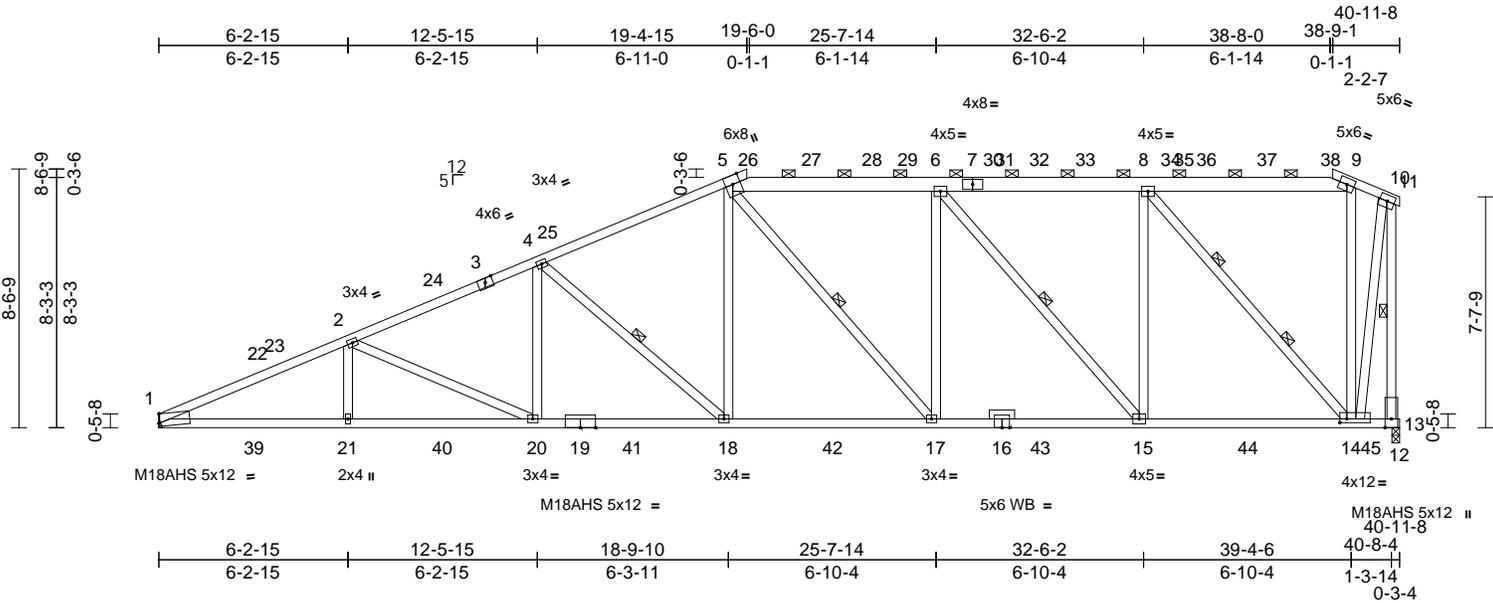
Job 4070681	Truss A24	Truss Type California	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056656
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:55

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Scale = 1:75.7
Plate Offsets (X, Y): [1:Edge,0-3-12], [14:0-2-12,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	-0.38	18-20	>999	240	M18AHS	169/162
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.54	18-20	>904	180	MT20	220/195
BCLL	0.0*	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.21	13	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
										Weight: 263 lb	FT = 20%	

LUMBER	TOP CHORD	BOT CHORD	WEBS	OTHERS			
TOP CHORD	2x4 DF No.1&Btr *Except* 5-7,7-9:2x6 DF No.2	2x4 DF No.1&Btr *Except* 16-12:2x4 DF 2400F 2.0E	2x4 DF No.2 *Except* 17-5,15-6,14-8:2x4 DF No.1&Btr	2x4 DF No.1&Btr			
BRACING	TOP CHORD	BOT CHORD	WEBS	WEBS			
TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-8-4 max.): 5-9.	Rigid ceiling directly applied or 7-4-5 oc bracing.	1 Row at midpt 4-18, 10-13, 5-17, 6-15	2 Rows at 1/3 pts 8-14			
REACTIONS	(size) 1= Mechanical, 13=0-3-0	Max Horiz 1=240 (LC 15)	Max Uplift 1=-184 (LC 16), 13=-304 (LC 16)	Max Grav 1=-2636 (LC 37), 13=-3012 (LC 37)			
FORCES	(lb) - Maximum Compression/Maximum Tension	TOP CHORD	1-2=-3960/612, 2-4=-5145/546, 4-5=-4170/543, 5-6=-3720/553, 6-8=-2665/440, 8-9=-500/207, 9-10=-557/233, 10-11=0/12, 10-13=-2926/399	BOT CHORD	1-21=-821/5374, 20-21=-829/5374, 13-20=354630, 17-18=-610/3779, 15-17=267372/413, 13-20=5, 13-14=131/147, 12-13=0/0	WEBS	4-18=1162/388, 5-18=-58/843, 9-14=266/162, 10-14=-359/2718, 2-21=0/365, 2-20=-813/148, 12-20=0/500, 5-17=-310/430, 6-17=-220/365, 6-15=-1608/219, 8-15=-101/1452, 8-14=-3312/434

- NOTES**
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 4-1-14, Interior (1) 4-1-14 to 18-11-6, Exterior(2R) 18-11-6 to 24-8-15, Interior (1) 24-8-15 to 39-2-10, Exterior(2E) 39-2-10 to 40-11-8 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
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
 - Unbalanced snow loads have been considered for this design.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
 - Bearings are assumed to be: Joint 13 DF 2400F 2.0E crushing capacity of 670 psi.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 184 lb uplift at joint 1 and 304 lb uplift at joint 13.
 - This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 130 lb down and 115 lb up at 19-5-11, 137 lb down and 79 lb up at 21-6-12, 245 lb down and 96 lb up at 23-6-12, 258 lb down and 98 lb up at 25-6-12, 211 lb down and 98 lb up at 27-6-12, 256 lb down and 97 lb up at 29-1-0, 211 lb down and 98 lb up at 30-7-4, 258 lb down and 98 lb up at 32-7-4, 245 lb down and 96 lb up at 34-7-4, and 137 lb down and 79 lb up at 36-7-4, and 130 lb down and 115 lb up at 38-8-5 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- LOAD CASE(S)** Standard
- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-5=-70, 5-9=-70, 9-10=-70, 10-11=-70, 1-12=-16
Concentrated Loads (lb)
Vert: 6=-188, 8=-188, 26=-31, 27=-70, 28=-175, 30=-141, 32=-186, 33=-141, 36=-175, 37=-70, 38=-31

EXPIRES: 12/31/2024

June 25, 2024

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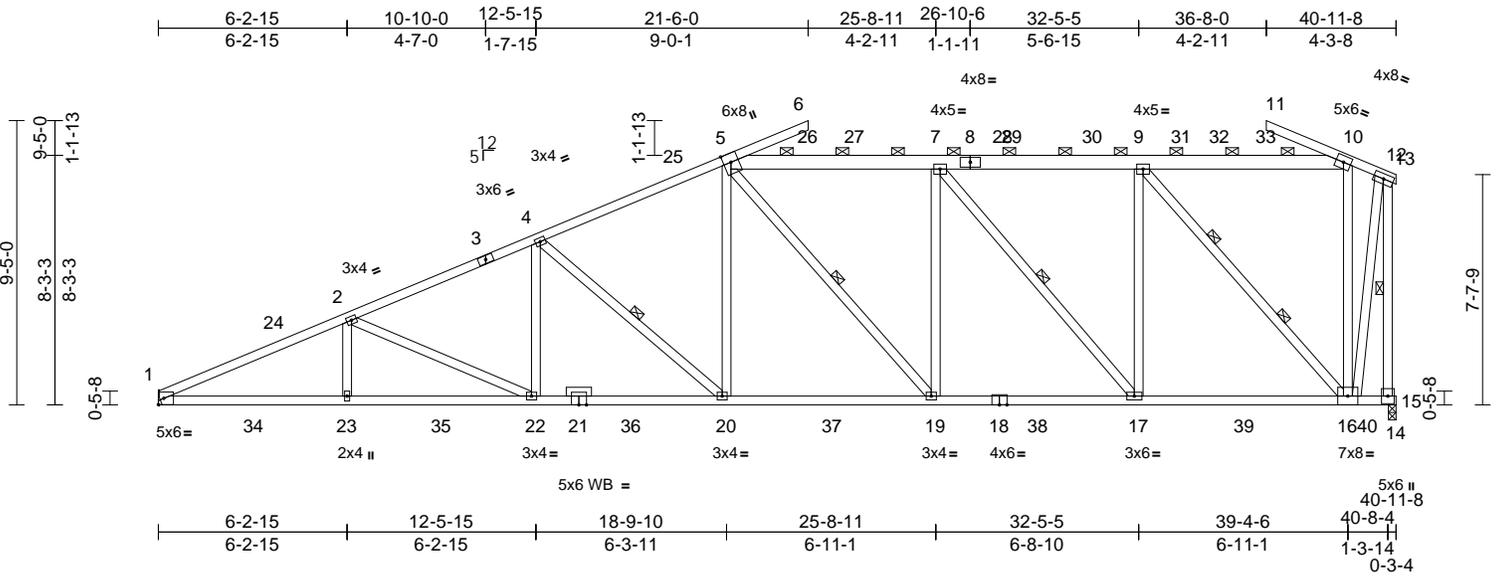
Job 4070681	Truss A25	Truss Type California	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056657
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ProBuild West (Closed), Beaverton, OR - 97005,

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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.30	19-20	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.46	20-22	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.17	15	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 269 lb	FT = 20%

LUMBER	
TOP CHORD	2x4 DF No.1&Btr *Except* 5-8,8-10:2x6 DF No.2
BOT CHORD	2x4 DF No.1&Btr
WEBS	2x4 DF No.2
OTHERS	2x4 DF No.1&Btr
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 2-5-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-0-14 max.): 5-10.
BOT CHORD	Rigid ceiling directly applied or 7-7-10 oc bracing.
WEBS	1 Row at midpt 12-15, 7-17, 5-19, 4-20
WEBS	2 Rows at 1/3 pts 9-16
REACTIONS	(size) 1= Mechanical, 15=0-3-0
	Max Horiz 1=264 (LC 13)
	Max Uplift 1=68 (LC 16), 15=150 (LC 12)
	Max Grav 1=2244 (LC 37), 15=2408 (LC 42)
FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=5053/855, 2-4=4335/817, 4-5=3404/807, 5-6=126/31, 5-7=-2788/831, 7-9=-2039/592, 9-10=-429/291, 10-11=-126/0, 10-12=-456/259, 12-13=0/12, 12-15=-2388/545
BOT CHORD	1-23=-766/4547, 22-23=-766/4547, 20-22=-665/3880, 19-20=-579/3050, 17-19=-533/2788, 16-17=-447/2039, 15-16=-129/144, 14-15=0/0
WEBS	5-20=-28/909, 10-16=-727/659, 7-19=-65/745, 7-17=-1302/368, 9-17=-215/1274, 9-16=-2443/456, 5-19=-787/172, 4-22=0/476, 12-16=-759/2355, 2-23=0/365, 2-22=-729/130, 4-20=-1093/142

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 4-1-14, Interior (1) 4-1-14 to 21-6-0, Exterior(2R) 18-11-6 to 23-0-9, Interior (1) 23-0-9 to 39-2-10, Exterior(2E) 36-8-0 to 40-11-8 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Bearings are assumed to be: , Joint 15 DF No.1&Btr crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 68 lb uplift at joint 1 and 150 lb uplift at joint 15.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 112 lb down and 76 lb up at 21-6-0, and 112 lb down and 140 lb up at 36-8-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- LOAD CASE(S)** Standard
- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-5=-70, 5-6=-70, 5-10=-70, 10-11=-70, 10-12=-70, 12-13=-70, 1-14=-16
Concentrated Loads (lb)
Vert: 6=-35, 33=-35



EXPIRES: 12/31/2024
June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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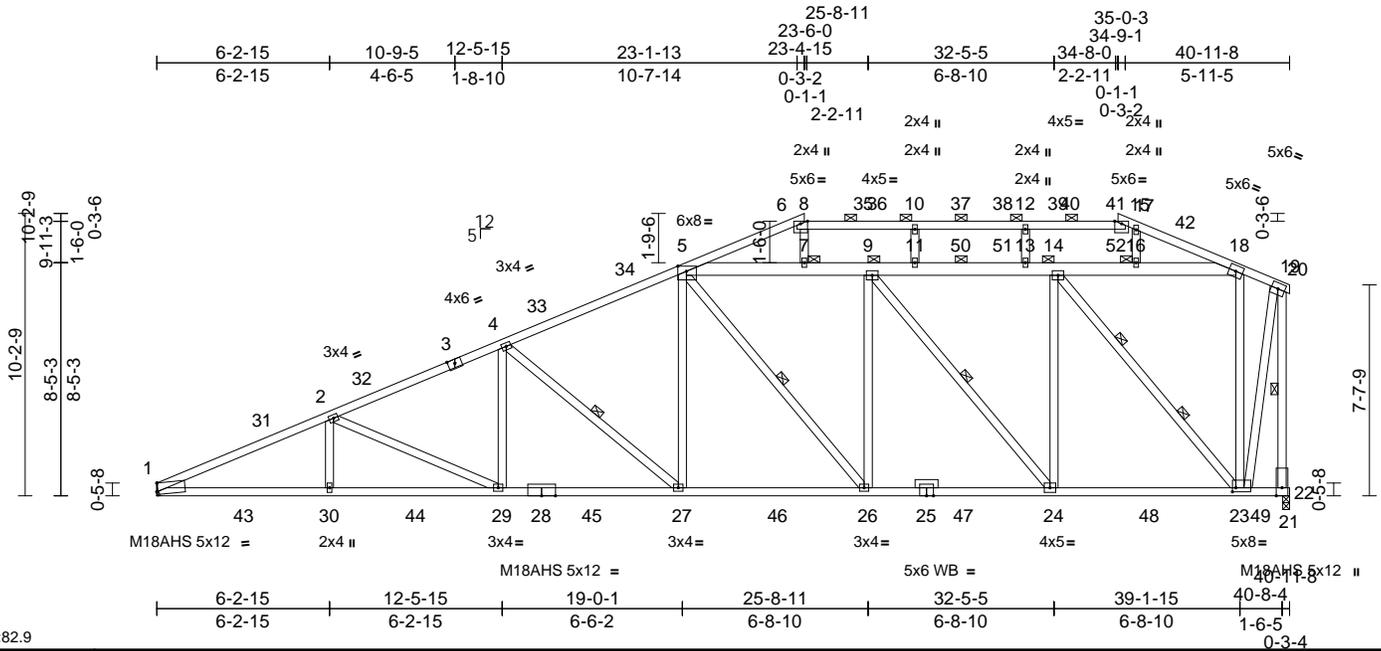
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Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss A26	Truss Type California	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056658
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:56
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Page: 1



Scale = 1:82.9
Plate Offsets (X, Y): [1:Edge,0-3-12], [5:0-3-11,0-2-4], [23:0-1-8,0-1-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	-0.38	27-29	>999	240	M18AHS	169/162
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.54	27-29	>897	180	MT20	220/195
BCLL	0.0*	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.21	22	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 298 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr *Except* 5-18:2x6 DF No.2
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2 *Except* 24-9,23-14,26-5:2x4 DF No.1&Btr
OTHERS 2x4 DF No.2 *Except* 25-25:2x4 DF No.1&Btr

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-15, 5-18. Except:

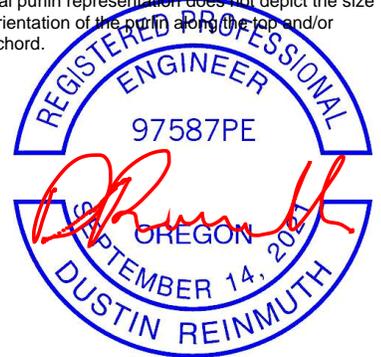
1 Row at midpt 9-14
BOT CHORD Rigid ceiling directly applied or 7-4-7 oc bracing.
WEBS 1 Row at midpt 19-22, 9-24, 5-26, 4-27
WEBS 2 Rows at 1/3 pts 14-23
JOINTS 1 Brace at Jt(s): (9, 14, 7, 16

REACTIONS (size) 1= Mechanical, 22=0-3-0, (req. 0-3-7)
Max Horiz 1=241 (LC 13)
Max Uplift 1=-169 (LC 16), 22=-245 (LC 16)
Max Grav 1=2572 (LC 37), 22=3223 (LC 37)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5842/614, 2-4=-5216/578, 4-5=-4319/545, 5-6=-730/123, 6-8=-519/115, 8-10=-581/125, 10-12=-581/125, 12-15=-592/127, 15-17=-628/134, 17-18=-717/112, 18-19=-667/248, 19-20=0/12, 19-22=-3155/411, 5-7=-3132/465, 7-9=-3132/465, 9-11=-2088/375, 11-13=-2088/375, 13-14=-2088/375, 14-16=-130/157, 16-18=-130/157

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCCL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 4-1-14, Interior (1) 4-1-14 to 23-1-2, Exterior(2R) 23-1-2 to 28-10-10, Interior (1) 28-10-10 to 35-0-14, Exterior(2E) 35-0-14 to 40-11-8 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
4) Unbalanced snow loads have been considered for this design.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable studs spaced at 4-0-0 oc.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- WARNING: Required bearing size at joint(s) 22 greater than input bearing size.
- Bearings are assumed to be: , Joint 22 DF No.1&Btr crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 169 lb uplift at joint 1 and 245 lb uplift at joint 22.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsc.com).

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Job 4070681	Truss A26	Truss Type California	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056658
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:56
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Page: 2

- 17) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 186 lb down and 94 lb up at 23-5-11, 255 lb down and 93 lb up at 25-6-12, 370 lb down and 110 lb up at 27-6-12, 240 lb down and 62 lb up at 29-1-0, 370 lb down and 110 lb up at 30-7-4, and 255 lb down and 93 lb up at 32-7-4, and 186 lb down and 94 lb up at 34-8-5 on top 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 (lb/ft)
Vert: 1-5=-70, 5-6=-70, 6-15=-70, 15-18=-70, 18-19=-70, 19-20=-70, 1-21=-16
Concentrated Loads (lb)
Vert: 8=-115, 10=-300, 35=-189, 37=-205, 38=-300, 39=-189, 41=-115

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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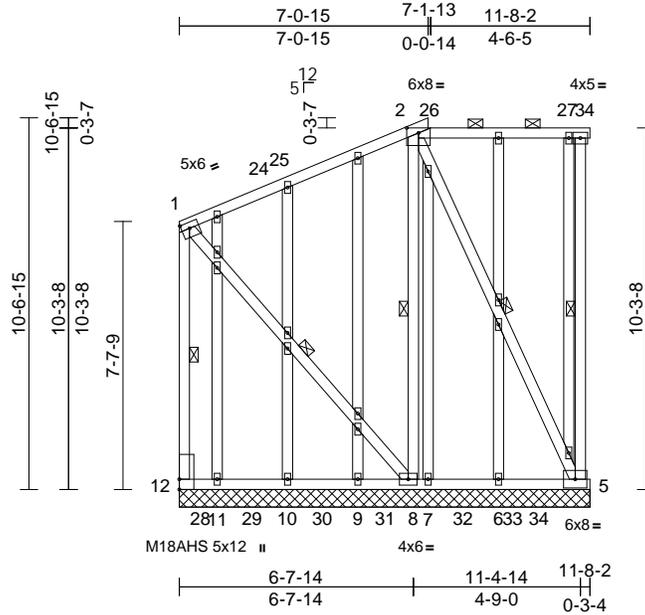
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Roseville, CA 95661
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Job 4070681	Truss A27	Truss Type GABLE	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056659
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 E Jan 19 2024 Print: 8.630 E Jan 19 2024 MiTek Industries, Inc. Tue Jun 25 13:39:13
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Page: 1



EXPIRES: 12/31/2024

Scale = 1:65.2

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	n/a	-	n/a	999	M18AHS	169/162
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(TL)	n/a	-	n/a	999	MT20	220/195
BCLL	0.0*	Rep Stress Incr	NO	WB	0.76	Horiz(TL)	-0.09	4	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 168 lb	FT = 20%

LUMBER	
TOP CHORD	2x4 DF No.1&Btr
BOT CHORD	2x4 DF No.1&Btr
WEBS	2x4 DF No.2
OTHERS	2x4 DF No.2

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 5-1-8 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-4.
BOT CHORD	Rigid ceiling directly applied or 5-6-3 oc bracing.

WEBS	
1 Row at midpt	1-12, 3-5, 2-8, 1-8, 2-5

REACTIONS	
All bearings	11-8-2.
(lb) - Max Horiz	12=343 (LC 43)
Max Uplift	All uplift 100 (lb) or less at joint(s) 6, 9, 11 except 4=320 (LC 72), 5=-1394 (LC 47), 7=-119 (LC 89), 8=-507 (LC 43), 12=-2050 (LC 40)
Max Grav	All reactions 250 (lb) or less at joint (s) except 4=287 (LC 46), 5=1294 (LC 34), 6=301 (LC 99), 7=353 (LC 91), 8=593 (LC 32), 9=290 (LC 96), 10=295 (LC 95), 11=278 (LC 94), 12=2123 (LC 47)

FORCES	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	1-12=-2232/1985, 1-24=-1437/1346, 24-25=-955/906, 2-25=-940/880, 2-26=-905/818, 26-27=-856/770, 3-5=-618/345
BOT CHORD	12-28=-551/447, 11-28=-677/447, 11-29=-707/447, 10-29=-977/639, 10-30=-1007/766, 9-30=-1277/939, 9-31=-1367/963, 8-31=-1514/1152, 7-8=-459/316, 7-32=-396/259, 6-32=-373/237, 6-33=-408/272, 33-34=-548/411, 5-34=-722/586

WEBS	
2-8=-1196/1040, 1-8=-1955/2253, 2-5=-1221/1451	

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TC DL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 6-9-10, Exterior(2R) 6-9-10 to 11-0-9, Interior (1) 11-0-9 to 11-8-2 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 11, 6 except (jt=lb) 12=2050, 4=320, 5=1394, 8=507, 7=118.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 11-8-2 for 150.0 plf.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 77 lb down and 53 lb up at 7-1-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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Job 4070681	Truss A27	Truss Type GABLE	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056659
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 2

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-70, 2-3=-70, 3-4=-70, 5-12=-16
Concentrated Loads (lb)
Vert: 26=-44

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job 4070681	Truss B01	Truss Type GABLE	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056660
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 2

- 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 19, 18, 20.
- 12) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 13) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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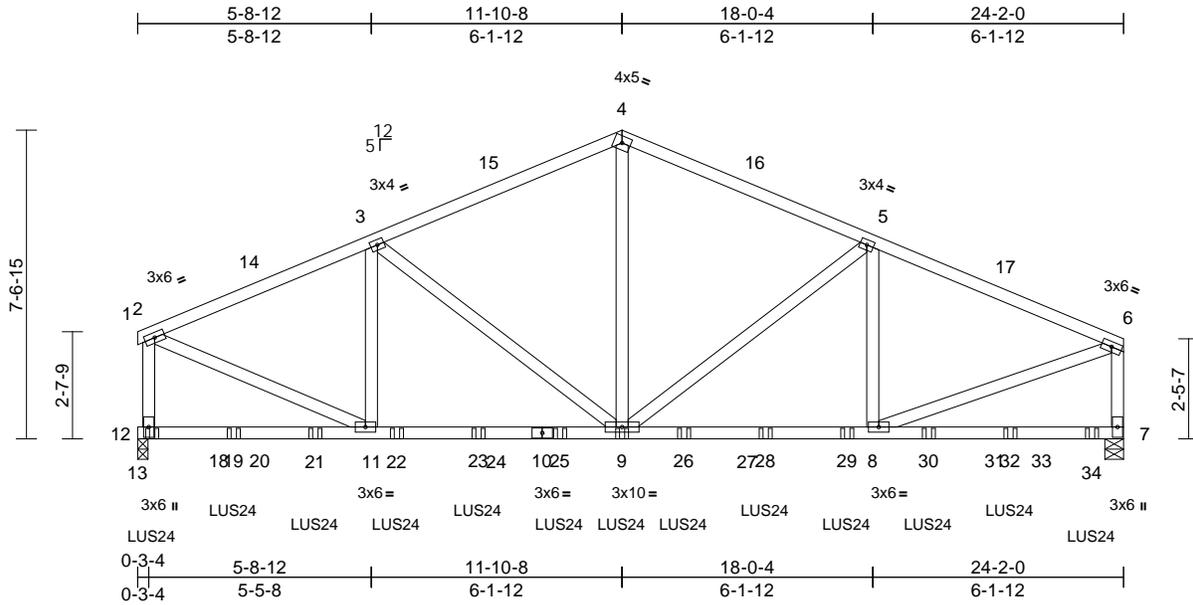
Job 4070681	Truss B03	Truss Type Common Girder	Qty 1	Ply 2	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056662
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:58

Page: 1

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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.06	8-9	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.10	9-11	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.27	Horz(CT)	0.02	7	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 263 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 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, Except: 10-0-0 oc bracing: 8-9.

REACTIONS
(size) 7=0-5-8, 12=0-3-0
Max Horiz 12=142 (LC 43)
Max Uplift 7=949 (LC 50), 12=902 (LC 47)
Max Grav 7=2861 (LC 63), 12=2914 (LC 66)

FORCES
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/7, 2-3=-3167/1363, 3-4=-2724/1019, 4-5=-2770/1089, 5-6=-3455/1518, 2-12=-2575/1107, 6-7=-2560/1165
BOT CHORD 12-13=-245/245, 11-12=-1975/1958, 9-11=-692/2441, 8-9=-296/2294, 7-8=-1698/1727
WEBS 3-11=-658/676, 4-9=0/1209, 5-8=-516/679, 2-11=-1275/3039, 6-8=-1475/3232, 3-9=-734/673, 5-9=-855/606

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Web 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.

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior (1) 3-0-0 to 11-10-8, Exterior(2R) 11-10-8 to 14-10-8, Interior (1) 14-10-8 to 24-0-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 12.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 902 lb uplift at joint 12 and 949 lb uplift at joint 7.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-0-0, 22-2-0 to 24-2-0 for 906.2 plf.
- Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-4-4 from the left end to 21-4-12 to connect truss(es) to back face of bottom chord.

- Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss) or equivalent at 23-4-12 from the left end to connect truss(es) to back face of bottom chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
 - Fill all nail holes where hanger is in contact with lumber.
- LOAD CASE(S)** Standard
- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-70, 2-4=-70, 4-6=-70, 7-13=-16
Concentrated Loads (lb)
Vert: 12=-149 (B), 9=-144 (B), 19=-144 (B), 21=-144 (B), 22=-144 (B), 23=-144 (B), 25=-144 (B), 26=-144 (B), 28=-144 (B), 29=-144 (B), 30=-144 (B), 32=-144 (B), 34=-147 (B)



EXPIRES: 12/31/2024
June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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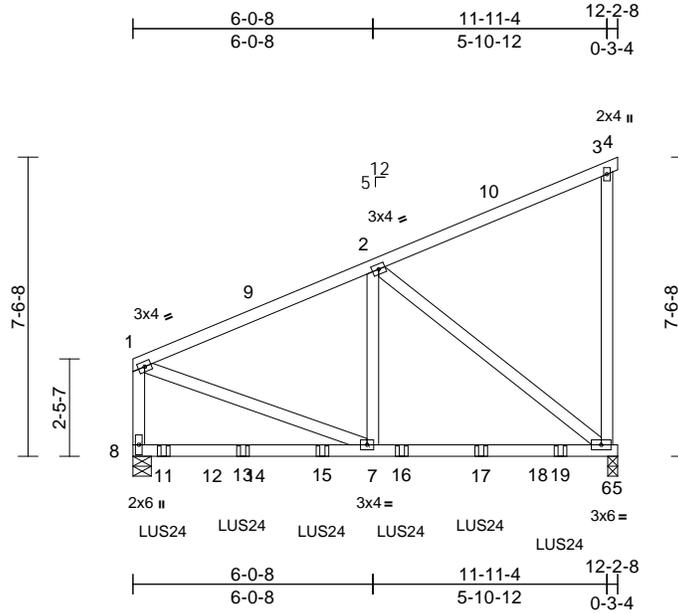
Job 4070681	Truss B05	Truss Type Monopitch Girder	Qty 1	Ply 2	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056664
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:59

Page: 1

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Scale = 1:57.8

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	0.29	Vert(LL)	-0.07	6-7	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.10	6-7	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.25	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
											Weight: 141 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x4 DF No.1&Btr
 WEBS 2x4 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 (size) 6=0-3-0, 8=0-5-8

Max Horiz 8=145 (LC 42)
 Max Uplift 6=-334 (LC 48), 8=-954 (LC 47)
 Max Grav 6=1252 (LC 69), 8=1793 (LC 70)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-2076/1402, 2-3=-1032/951, 3-4=-11/0, 1-8=-1582/1076
 BOT CHORD 7-8=-1129/959, 6-7=-642/1126, 5-6=-124/124
 WEBS 3-6=-285/122, 2-7=-387/996, 2-6=-1368/728, 1-7=-1302/1970

NOTES

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 12-2-8 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be DF No.1&Btr crushing capacity of 625 psi.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 954 lb uplift at joint 8 and 334 lb uplift at joint 6.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-0-0, 10-2-8 to 12-2-8 for 457.8 plf.
- Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-9-4 from the left end to 4-9-4 to connect truss(es) to back face of bottom chord.

- Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 6-9-4 from the left end to 10-9-4 to connect truss(es) to back face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.
- LOAD CASE(S)** Standard
- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (lb/ft)
 Vert: 1-4=-70, 5-8=-16
 Concentrated Loads (lb)
 Vert: 11=-147 (B), 13=-144 (B), 15=-144 (B), 16=-144 (B), 17=-144 (B), 19=-144 (B)



EXPIRES: 12/31/2024
 June 25, 2024

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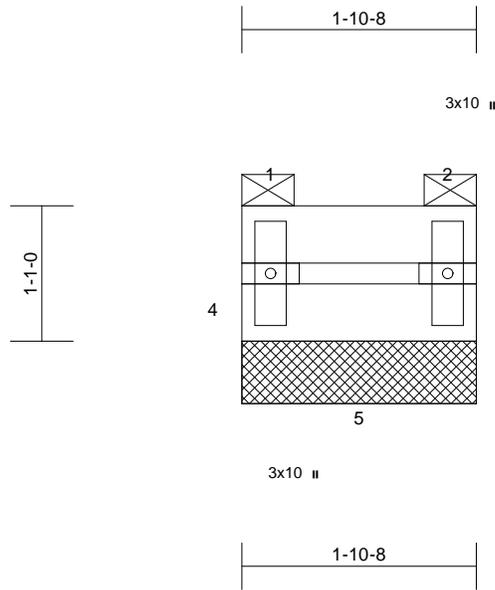
400 Sunrise Ave., Suite 270
 Roseville, CA 95661
 916.755.3571 / MiTek-US.com

Job 4070681	Truss BP01	Truss Type FLAT SUPPORTED GABLE	Qty 62	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056665
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ProBuild West (Closed), Beaverton, OR - 97005,

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Scale = 1:18.3

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-R								
										Weight: 9 lb	FT = 20%	

LUMBER

TOP CHORD 2x6 DF No.2
BOT CHORD 2x6 DF No.2
WEBS 2x6 DF No.2

BRACING

TOP CHORD 2-0-0 oc purlins: 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS

(size) 3=1-10-8, 4=1-10-8
Max Horiz 4=18 (LC 40)
Max Uplift 3=-102 (LC 41), 4=-102 (LC 38)
Max Grav 3=286 (LC 72), 4=286 (LC 71)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-4=-76/110, 1-2=-115/119, 2-3=-76/118
BOT CHORD 3-4=-135/115

NOTES

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 1-4-0 oc.

- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 4 and 102 lb uplift at joint 3.
- 11) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead 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 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-8 for 150.0 plf.
- 13) 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



EXPIRES: 12/31/2024
June 25, 2024

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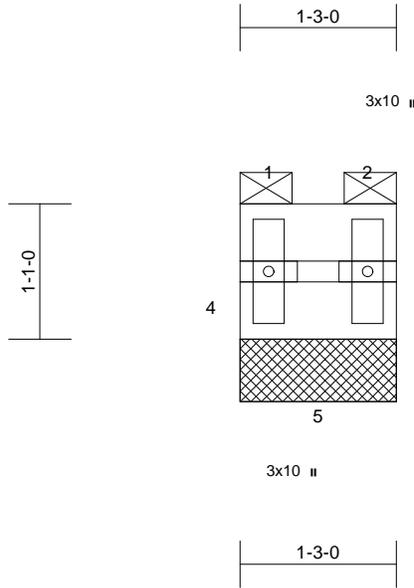
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Roseville, CA 95661
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Job 4070681	Truss BP02	Truss Type FLAT SUPPORTED GABLE	Qty 4	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056666
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



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)	n/a	-	n/a	999	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.04	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-R								
BCDL	8.0										Weight: 6 lb	FT = 20%

LUMBER
TOP CHORD 2x6 DF No.2
BOT CHORD 2x6 DF No.2
WEBS 2x6 DF No.2

BRACING
TOP CHORD 2-0-0 oc purlins: 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (size) 3=1-3-0, 4=1-3-0
Max Horiz 4=18 (LC 41)
Max Uplift 3=-103 (LC 41), 4=-103 (LC 38)
Max Grav 3=274 (LC 72), 4=274 (LC 71)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-66/76, 1-2=-63/64, 2-3=-56/89
BOT CHORD 3-4=-80/69

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 103 lb uplift at joint 4 and 103 lb uplift at joint 3.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-3-0 for 150.0 plf.
- 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

- NOTES**
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
 - Provide adequate drainage to prevent water ponding.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.



EXPIRES: 12/31/2024
June 25, 2024

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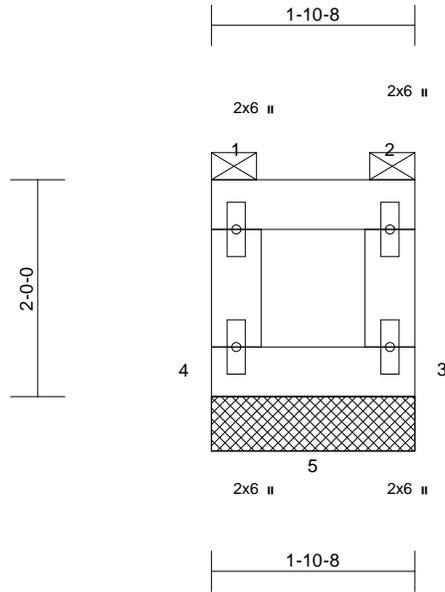
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Roseville, CA 95661
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Job 4070681	Truss BP03	Truss Type FLAT SUPPORTED GABLE	Qty 56	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056667
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



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	0.11	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.09	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-R								
BCDL	8.0											
											Weight: 13 lb	FT = 20%

LUMBER
TOP CHORD 2x6 DF No.2
BOT CHORD 2x6 DF No.2
WEBS 2x6 DF No.2

BRACING
TOP CHORD 2-0-0 oc purlins: 1-2, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (size) 3=1-10-8, 4=1-10-8
Max Horiz 4=45 (LC 41)
Max Uplift 3=-260 (LC 41), 4=-260 (LC 38)
Max Grav 3=286 (LC 72), 4=286 (LC 71)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-162/158, 1-2=-114/115, 2-3=-128/205
BOT CHORD 3-4=-158/131

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 260 lb uplift at joint 4 and 260 lb uplift at joint 3.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-8 for 150.0 plf.
- 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

- NOTES**
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
 - Provide adequate drainage to prevent water ponding.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 1-4-0 oc.



EXPIRES: 12/31/2024
June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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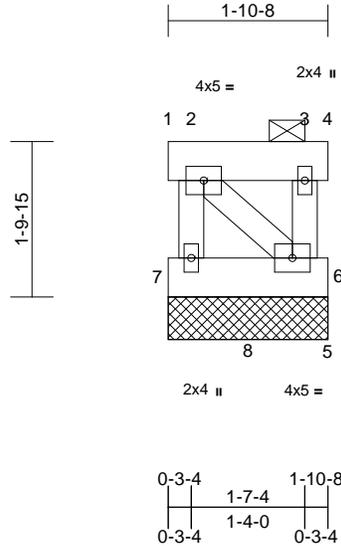
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss BP04	Truss Type FLAT SUPPORTED GABLE	Qty 37	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056668
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:55:59
ID:7TFNBjDp2BPVmwBlyl10O?yBz?E-RFC?PsB70Hq3NSgPqnL8w3uITXbGKWRcDoi7J4zJC?f

Page: 1



Scale = 1:26.9

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.00	7	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-P								
											Weight: 12 lb	FT = 20%

LUMBER

TOP CHORD 2x6 DF No.2
BOT CHORD 2x6 DF No.2
WEBS 2x4 DF No.2

BRACING

TOP CHORD 2-0-0 oc purlins: 1-4, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS

(size) 1=1-10-8, 6=1-10-8, 7=1-10-8
Max Horiz 1=40 (LC 10)
Max Uplift 1=-130 (LC 40), 6=-243 (LC 39),
7=-120 (LC 40)
Max Grav 1=128 (LC 43), 6=295 (LC 71),
7=285 (LC 72)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 2-7=-122/197, 1-2=-132/91, 2-3=-218/212,
3-4=0/0, 3-6=-74/89
BOT CHORD 6-7=-196/208, 5-6=-41/41
WEBS 2-6=-410/374

NOTES

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C
Corner (3) zone; cantilever left and right exposed ; end
vertical left and right exposed;C-C for members and
forces & MWFRS for reactions shown; Lumber
DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss
only. For studs exposed to wind (normal to the face),
see Standard Industry Gable End Details as applicable,
or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate
DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9;
Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load
applied where required.
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.

- 6) Truss to be fully sheathed from one face or securely
braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 1-4-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom
chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf
on the bottom chord in all areas where a rectangle
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members.
- 10) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 120 lb uplift at
joint 7, 130 lb uplift at joint 1 and 243 lb uplift at joint 6.
- 11) This truss has been designed for a moving concentrated
load of 250.0lb live and 10.0lb dead 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 150
plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect
truss to resist drag loads along bottom chord from 0-0-0
to 1-10-8 for 150.0 plf.
- 13) 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



EXPIRES: 12/31/2024
June 25, 2024

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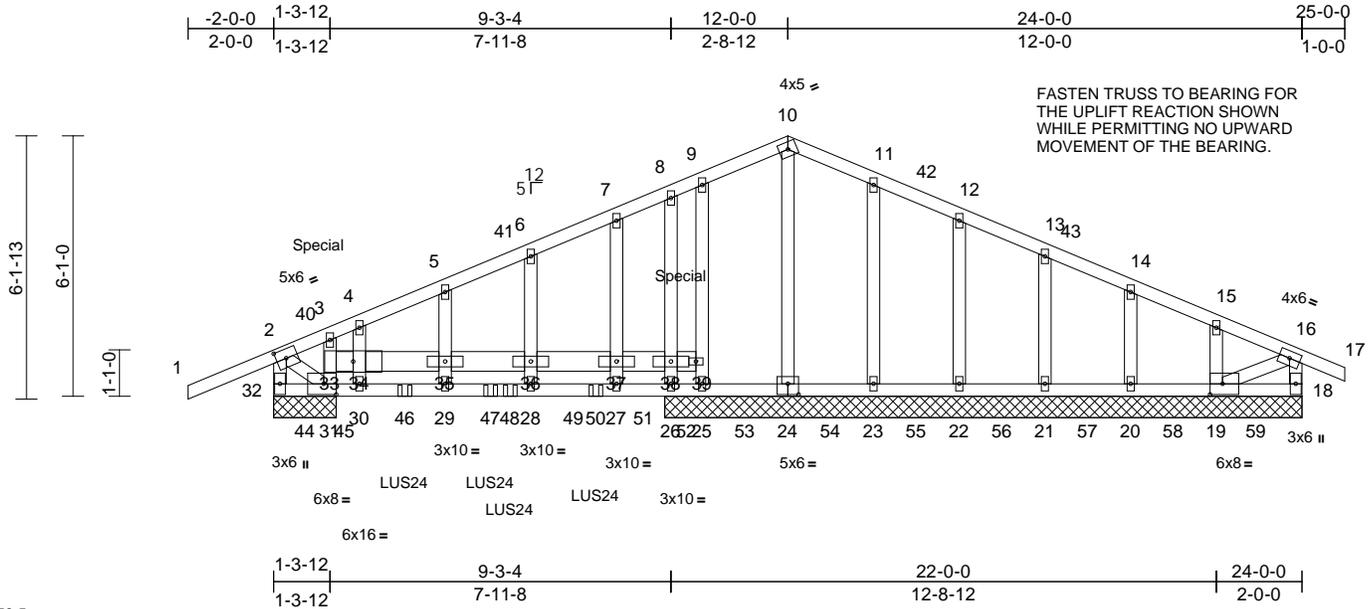
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss C01	Truss Type Common Girder	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056669
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:00
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Page: 1



Scale = 1:53.5

Plate Offsets (X, Y): [2:0-2-12,0-2-8], [19:0-3-8,0-3-0], [24:0-3-0,0-3-0], [31:0-3-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.11	28-29	>878	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.16	28-29	>591	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.02	22	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 149 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x4 DF No.1&Btr
 WEBS 2x4 DF No.2 *Except*
 33-34,34-35,35-36,36-37,37-38,38-39:2x6 DF No.2
 OTHERS 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-5-12 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 5-4-0 oc bracing.

REACTIONS (size)

18=14-10-8, 19=14-10-8,
 20=14-10-8, 21=14-10-8,
 22=14-10-8, 23=14-10-8,
 24=14-10-8, 25=14-10-8,
 26=14-10-8, 31=1-5-8, 32=1-5-8
 Max Horiz 32=72 (LC 52)
 Max Uplift 18=1772 (LC 46), 19=974 (LC 53), 20=34 (LC 54), 21=25 (LC 53), 22=26 (LC 54), 23=29 (LC 53), 24=143 (LC 51), 25=763 (LC 23), 26=250 (LC 52), 31=1171 (LC 52), 32=1736 (LC 61)
 Max Grav 18=1823 (LC 63), 19=999 (LC 64), 20=333 (LC 105), 21=332 (LC 104), 22=333 (LC 103), 23=331 (LC 102), 24=341 (LC 101), 25=151 (LC 52), 26=1547 (LC 23), 31=1554 (LC 35), 32=1747 (LC 52)

TOP CHORD 1-2=0/58, 2-3=-1643/1626, 3-4=-1569/1520, 4-5=-1494/1447, 5-6=-1092/1093, 6-7=-770/792, 7-8=-413/456, 8-9=-293/303, 9-10=-316/383, 10-11=-656/702, 11-12=-969/999, 12-13=-1279/1291, 13-14=-1591/1586, 14-15=-1912/1887, 15-16=-2242/2194, 16-17=0/31, 2-32=-1651/1644, 16-18=-1785/1799

BOT CHORD 31-32=-210/121, 30-31=-1428/1392, 29-30=-1365/1332, 28-29=-1296/1303, 27-28=-1296/1343, 26-27=-1364/1405, 25-26=-1453/1479, 23-25=-1371/1388, 22-23=-403/420, 21-22=-641/658, 20-21=-1125/1142, 19-20=-1609/1578, 18-19=-367/369

WEBS 31-33=-451/147, 3-33=-451/147, 26-38=-626/147, 8-38=-576/148, 10-24=-249/176, 25-39=-29/214, 9-39=-29/214, 27-37=-133/75, 7-37=-133/75, 28-36=-32/147, 6-36=-32/147, 29-35=-30/145, 5-35=-30/145, 30-34=-77/95, 4-34=-77/95, 11-23=-231/78, 12-22=-215/62, 13-21=-190/58, 14-20=-144/64, 15-19=-124/74, 33-34=-294/446, 34-35=-374/493, 35-36=-301/318, 36-37=-294/280, 37-38=-214/200, 38-39=-109/103, 2-31=-1671/1748, 16-19=-2146/2171

- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 19.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 12-0-0, Exterior(2R) 12-0-0 to 15-0-0, Interior (1) 15-0-0 to 25-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job 4070681	Truss C01	Truss Type Common Girder	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056669
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:00
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Page: 2

- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1736 lb uplift at joint 32, 1772 lb uplift at joint 18, 1171 lb uplift at joint 31, 250 lb uplift at joint 26, 143 lb uplift at joint 24, 763 lb uplift at joint 25, 29 lb uplift at joint 23, 26 lb uplift at joint 22, 25 lb uplift at joint 21, 34 lb uplift at joint 20 and 974 lb uplift at joint 19.
- 12) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 13) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 9-1-8 to 24-0-0 for 242.0 plf.
- 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) Use Simpson Strong-Tie LUS24 (4-10dx1 1/2 Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 3-0-12 from the left end to 7-6-4 to connect truss(es) to back face of bottom chord.
- 16) Fill all nail holes where hanger is in contact with lumber.
- 17) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
- 18) Special hanger(s) or other connection device(s) shall be provided starting at 1-0-12 from the left end to 9-6-4 sufficient to connect truss(es) to back face of top chord. The design/selection of such special connection device (s) is the responsibility of others.
- 19) 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 (lb/ft)
Vert: 1-2=-70, 2-10=-70, 10-16=-70, 16-17=-70, 18-32=-16
Concentrated Loads (lb)
Vert: 31=-50 (B), 38=-50 (B), 46=-47 (B), 47=-47 (B), 48=-47 (B), 50=-47 (B)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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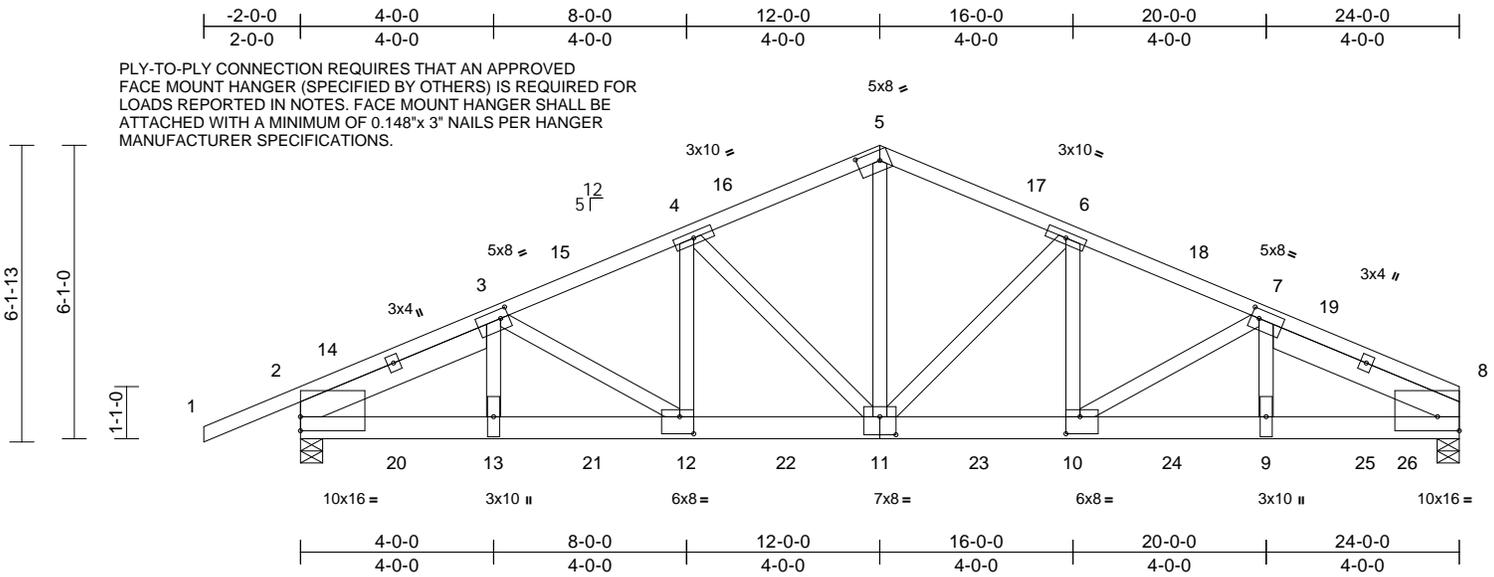
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Job 4070681	Truss C04	Truss Type COMMON GIRDER	Qty 1	Ply 3	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056671
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 E Jan 19 2024 Print: 8.630 E Jan 19 2024 MiTek Industries, Inc. Mon Jun 24 18:23:12
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Page: 1



Scale = 1:47.5

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.16	10-11	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.24	10-11	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.09	8	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 469 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x6 DF 2400F 2.0E
WEBS 2x4 DF No.2
SLIDER Left 2x6 DF No.2 -- 4-3-8, Right 2x6 DF No.2 -- 4-3-8

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

REACTIONS (lb/size) 2=9247/0-5-8, 8=10389/0-5-8
Max Horiz 2=61 (LC 14)
Max Uplift 2=-54 (LC 14), 8=-34 (LC 15)
Max Grav 2=9292 (LC 21), 8=10437 (LC 22)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-17474/466, 3-14=-17410/481, 3-15=-15190/297, 4-15=-15156/308, 4-16=-12245/275, 5-16=-12198/292, 5-17=-12198/299, 6-17=-12243/282, 6-18=-15565/315, 7-18=-15604/304, 7-19=-17727/308, 8-19=-17834/295
BOT CHORD 2-20=-386/14990, 13-20=-386/14990, 13-21=-386/14990, 12-21=-386/14990, 12-22=-173/13990, 11-22=-173/13990, 11-23=-166/14367, 10-23=-166/14367, 10-24=-211/15396, 9-24=-211/15396, 9-25=-211/15396, 25-26=-211/15396, 8-26=-211/15396
WEBS 5-11=-121/9065, 6-11=-4457/119, 6-10=0/4027, 7-10=-1195/53, 7-9=0/3212, 4-11=-3930/239, 4-12=-207/3480, 3-12=-1161/262, 3-13=-272/3383

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-6-0 oc.
Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc.
Web connected as follows: 2x4 - 2 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 12-0-0, Exterior(2R) 12-0-0 to 15-0-0, Interior (1) 15-0-0 to 24-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 19.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job 4070681	Truss C04	Truss Type COMMON GIRDER	Qty 1	Ply 3	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056671
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 E Jan 19 2024 Print: 8.630 E Jan 19 2024 MiTek Industries, Inc. Mon Jun 24 18:23:12
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Page: 2

- 8) N/A
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 8 and 54 lb uplift at joint 2.
- 12) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2976 lb down and 310 lb up at 4-1-9, 1274 lb down and 38 lb up at 6-0-12, 1486 lb down and 65 lb up at 8-0-12, 1248 lb down and 26 lb up at 10-0-12, 1659 lb down at 12-0-12, 1679 lb down at 14-0-12, 1749 lb down at 16-0-12, 1600 lb down at 18-0-12, 1584 lb down at 20-0-12, and 1599 lb down at 22-0-12, and 579 lb down at 22-11-4 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 (lb/ft)
Vert: 1-5=-70, 5-8=-70, 2-8=-16
Concentrated Loads (lb)
Vert: 11=-1659 (F), 10=-1749 (F), 9=-1584 (F),
12=-1486 (F), 13=-2976 (F), 21=-1274 (F), 22=-1248 (F),
23=-1679 (F), 24=-1600 (F), 25=-1599 (F),
26=-579 (F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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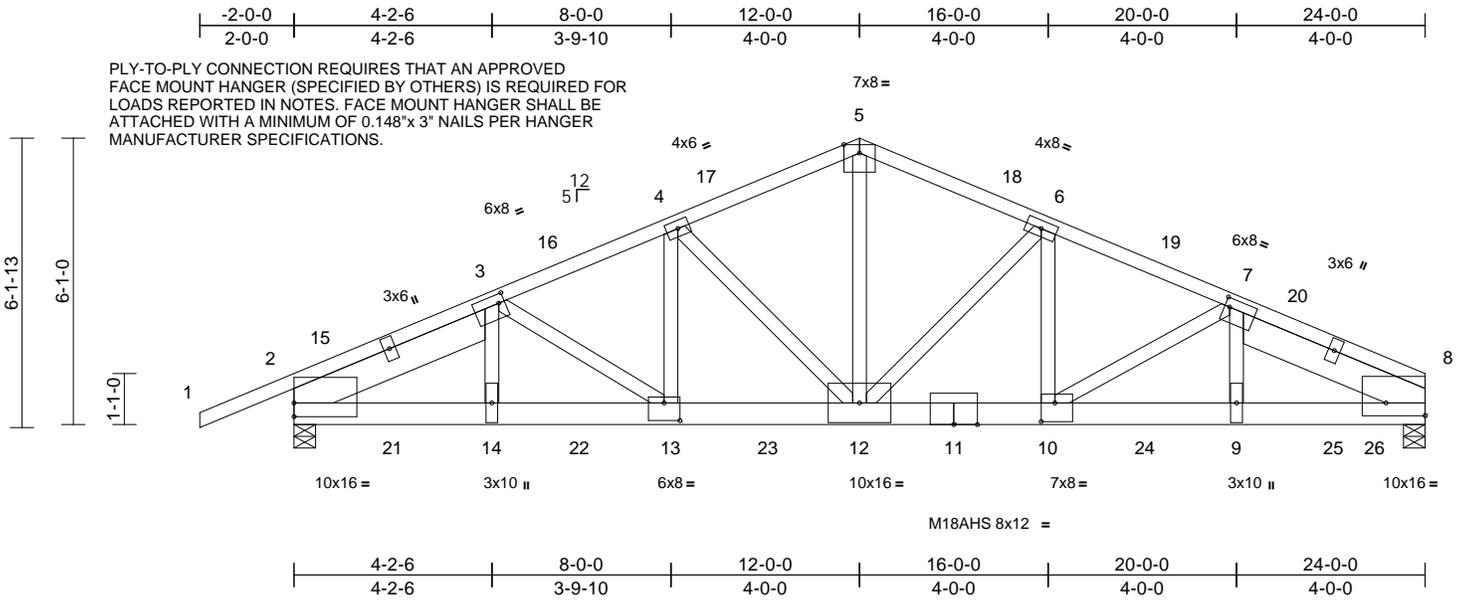
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Roseville, CA 95661
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Job 4070681	Truss C05	Truss Type Common Girder	Qty 1	Ply 3	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056672
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 E Jan 19 2024 Print: 8.630 E Jan 19 2024 MiTek Industries, Inc. Mon Jun 24 18:24:35
ID:7TFNBjDp2BPVmwByl10O?yBz?E-f5WO9LrtuR4uNPgGHEh8CzLQvnlVbrccyJNgr8z2yyg

Page: 1



Scale = 1:48.7
Plate Offsets (X, Y): [2:Edge,0-3-8], [3:0-1-8,0-2-4], [7:0-1-4,0-2-4], [8:Edge,0-3-4], [10:0-3-8,0-4-12], [13:0-4-0,0-4-8]

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	0.80	Vert(LL)	-0.23	10-12	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.34	10-12	>836	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.12	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
											Weight: 488 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x6 DF 2400F 2.0E
WEBS 2x4 DF No.2
SLIDER Left 2x8 DF SS -- 4-6-2, Right 2x8 DF SS -- 4-3-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=12754/0-5-8, 8=15061/0-5-8
Max Horiz 2=61 (LC 18)
Max Uplift 2=-54 (LC 14), 8=-34 (LC 15)
Max Grav 2=12799 (LC 21), 8=15109 (LC 22)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-24557/1223, 3-15=-24487/1240, 3-16=-21894/815, 4-16=-21866/827, 4-17=-17996/540, 5-17=-17962/557, 5-18=-17962/557, 6-18=-18002/543, 6-19=-22848/565, 7-19=-22882/554, 7-20=-25964/501, 8-20=-26071/489
BOT CHORD 2-21=-1042/21159, 14-21=-1042/21159, 14-22=-1042/21159, 13-22=-1042/21159, 13-23=-705/20186, 12-23=-705/20186, 11-12=-460/21091, 10-11=-460/21091, 10-24=-402/22552, 9-24=-402/22552, 9-25=-402/22552, 25-26=-402/22552, 8-26=-402/22552
WEBS 5-12=-404/13468, 6-12=-6447/119, 6-10=-20/6021, 7-10=-1697/52, 7-9=0/4763, 4-12=-5171/396, 4-13=-362/4734, 3-13=-1157/401, 3-14=-510/4325

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 12-0-0, Exterior(2R) 12-0-0 to 15-0-0, Interior (1) 15-0-0 to 24-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 19.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- All plates are MT20 unless otherwise indicated.



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job 4070681	Truss C05	Truss Type Common Girder	Qty 1	Ply 3	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056672
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 E Jan 19 2024 Print: 8.630 E Jan 19 2024 MiTek Industries, Inc. Mon Jun 24 18:24:35
ID:7TFNBjDp2BPVmwWblyl10O?yBz?E-f5WO9LrtuR4uNPgGHEh8CzLQvnlVbrrcyJNgr8z2yyg

Page: 2

- 9) N/A
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 12) Solid blocking is required on both sides of the truss at joint(s), 8, 2.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 8 and 54 lb uplift at joint 2.
- 14) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3694 lb down and 553 lb up at 4-2-6, 1788 lb down and 55 lb up at 6-0-12, 2243 lb down and 125 lb up at 8-0-12, 1745 lb down and 14 lb up at 10-0-12, 3154 lb down and 149 lb up at 12-0-12, 2240 lb down at 14-0-12, 2763 lb down and 92 lb up at 16-0-12, 2620 lb down and 59 lb up at 18-0-12, 2228 lb down at 20-0-12, and 2556 lb down and 44 lb up at 22-0-12, and 579 lb down at 22-11-4 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 (lb/ft)
Vert: 1-5=-70, 5-8=-70, 2-8=-16
Concentrated Loads (lb)
Vert: 11=-2240 (B), 12=-3154 (B), 10=-2763 (B), 9=-2228 (B), 13=-2243 (B), 14=-3694 (B), 22=-1788 (B), 23=-1745 (B), 24=-2620 (B), 25=-2556 (B), 26=-579 (B)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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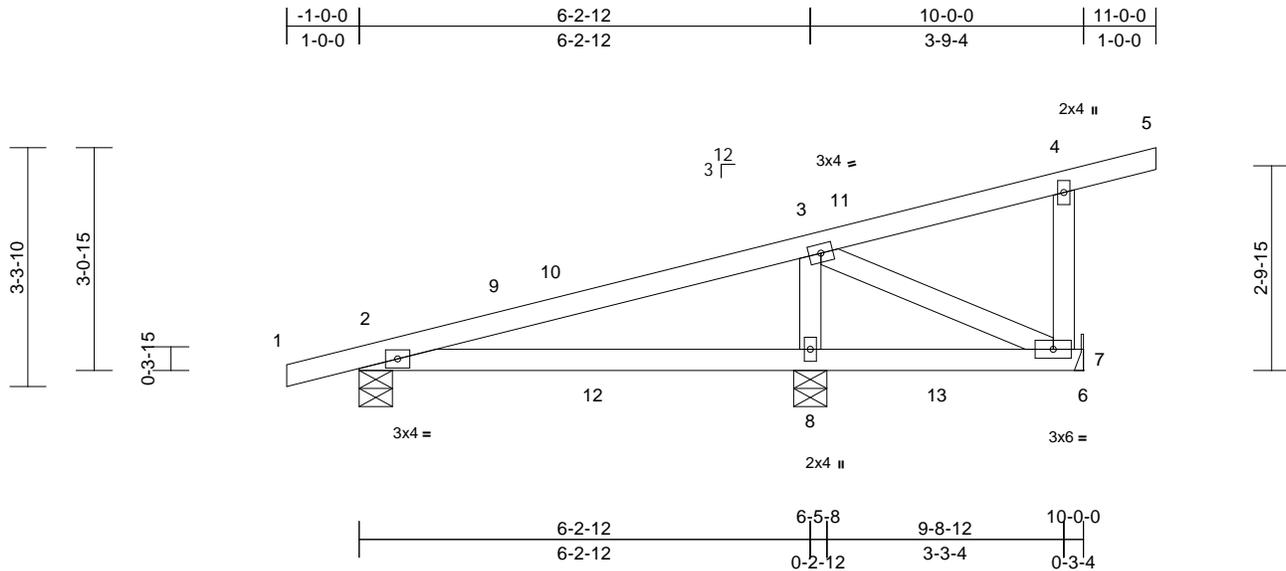
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Roseville, CA 95661
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Job 4070681	Truss D01	Truss Type MONOPITCH	Qty 12	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056673
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:01
ID:7TFNBjDp2BPVmwbyl10O?yBz?E-RFC?PsB70Hq3NSgPqnL8w3uITXbGKwRCDoi7J4zJC?f

Page: 1



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.10	2-8	>744	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.13	2-8	>566	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	7	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 40 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 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 (size) 2=0-5-8, 7= Mechanical, 8=0-5-8
Max Horiz 2=91 (LC 13)
Max Uplift 2=-52 (LC 12), 7=-40 (LC 13), 8=-28 (LC 16)
Max Grav 2=377 (LC 40), 7=327 (LC 39), 8=632 (LC 23)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/15, 2-3=-120/67, 3-4=-87/44, 4-5=-30/0, 4-7=-245/155
BOT CHORD 2-8=-78/55, 7-8=-78/55, 6-7=0/0
WEBS 3-8=-498/232, 3-7=-47/68

- This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 7, 52 lb uplift at joint 2 and 28 lb uplift at joint 8.
 - This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- LOAD CASE(S)** Standard

- NOTES**
- Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 11-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
 - Unbalanced snow loads have been considered for this design.



EXPIRES: 12/31/2024
June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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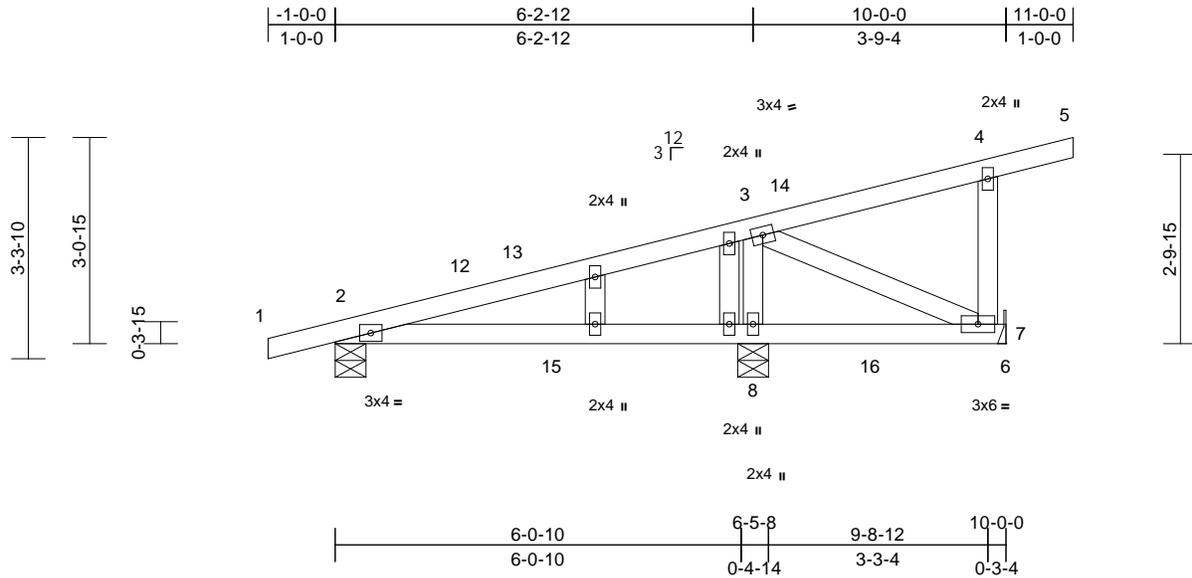
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Roseville, CA 95661
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Job 4070681	Truss D02	Truss Type GABLE	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056674
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:01
ID:7TFNBjDp2BPVmwBlyl10O?yBz?E-RFC?PsB70Hq3NSgPqnL8w3uITXbGKWRcDoi7J4zJC?F

Page: 1



Scale = 1:34.2

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	2-8	>744	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.13	2-8	>566	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
										Weight: 43 lb	FT = 20%	

LUMBER

TOP CHORD	2x4 DF No.1&Btr
BOT CHORD	2x4 DF No.1&Btr
WEBS	2x4 DF No.2
OTHERS	2x4 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 (size) 2=0-5-8, 7= Mechanical, 8=0-5-8

Max Horiz	2=91 (LC 13)
Max Uplift	2=-52 (LC 12), 7=-40 (LC 13), 8=-28 (LC 16)
Max Grav	2=377 (LC 40), 7=327 (LC 39), 8=632 (LC 23)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/15, 2-3=-120/67, 3-4=-87/44, 4-5=-30/0, 4-7=-245/155
BOT CHORD	2-8=-78/55, 7-8=-78/55, 6-7=0/0
WEBS	3-8=-498/232, 3-7=-47/68

- NOTES**
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 11-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
 - Unbalanced snow loads have been considered for this design.

- This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 7, 52 lb uplift at joint 2 and 28 lb uplift at joint 8.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 25, 2024

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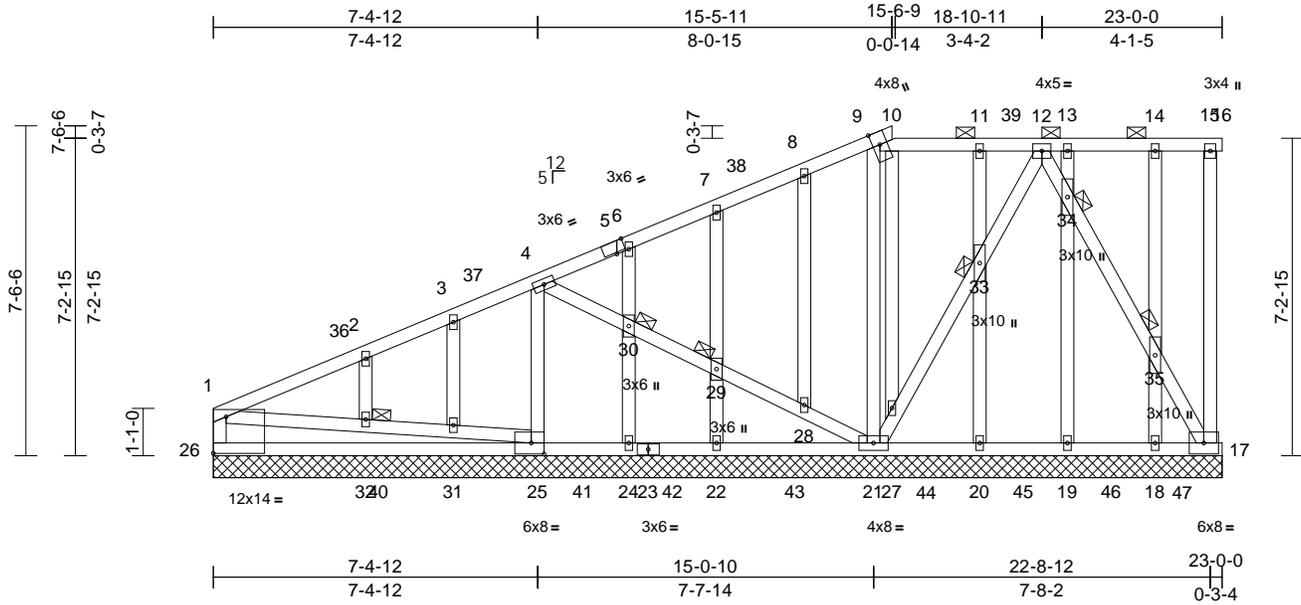
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Roseville, CA 95661
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Job 4070681	Truss E01	Truss Type GABLE	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056675
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 E Jan 19 2024 Print: 8.630 E Jan 19 2024 MiTek Industries, Inc. Tue Jun 25 13:40:58
ID:7TFNBjDp2BPVmwBlyl0O?yBz?E-A2revSVmK3UOCxnxhRUDDxNg4LzWl1JnK32fz2l0a

Page: 1



Scale = 1:52.3

Plate Offsets (X, Y): [5:0-2-11,Edge], [25:0-3-8,0-3-0], [26:Edge,0-10-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.53	Horiz(TL)	-0.04	16	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 190 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2
OTHERS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-12 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 9-16.
BOT CHORD Rigid ceiling directly applied or 5-7-5 oc bracing.

JOINTS
1 Brace at Jt(s): 29, 30, 32, 33, 34, 35

REACTIONS All bearings 23-0-0.
(lb) - Max Horiz 26=264 (LC 43)
Max Uplift All uplift 100 (lb) or less at joint(s) 16, 18, 19, 22 except 17=1082 (LC 47), 20=103 (LC 40), 21=446 (LC 48), 24=205 (LC 86), 25=867 (LC 48), 26=660 (LC 48)
Max Grav All reactions 250 (lb) or less at joint (s) 16, 24 except 17=1029 (LC 40), 18=326 (LC 101), 19=320 (LC 100), 20=336 (LC 99), 21=673 (LC 33), 22=498 (LC 73), 25=1200 (LC 33), 26=795 (LC 47)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-36=-1544/1365, 2-36=-1099/925, 2-3=-1027/862, 3-37=-650/514, 4-37=-529/402, 4-5=-1466/1329, 5-6=-1164/1044, 6-7=-1072/981, 7-38=-740/688, 8-38=-510/484, 8-9=-374/360, 10-11=-347/345, 11-39=-486/458, 12-39=-590/561, 12-13=-733/676, 13-14=-655/588, 14-15=-355/288, 1-26=-776/684

BOT CHORD 26-40=-595/483, 25-40=-1441/1093, 25-41=-327/199, 24-41=-344/215, 23-24=-384/245, 23-42=-410/282, 22-42=-644/515, 22-43=-912/784, 21-43=-1181/1052, 21-44=-727/650, 20-44=-477/429, 20-45=-364/287, 19-46=-356/279, 18-46=-506/399, 18-47=-600/524, 17-47=-694/618
WEBS 4-25=-1250/1154, 4-30=-1145/1194, 29-30=-1145/1196, 28-29=-1137/1184, 21-28=-1167/1219, 9-21=-294/155, 21-27=-1141/1085, 27-33=-1226/1176, 12-33=-1297/1241, 12-34=-1264/1330, 34-35=-1156/1214, 17-35=-1105/1162, 1-32=-1305/1413, 31-32=-1309/1416, 25-31=-1326/1433, 7-29=-364/112, 22-29=-438/136, 20-33=-251/131

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 15-2-6, Exterior(2R) 15-2-6 to 18-2-6, Interior (1) 18-2-6 to 23-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.

- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 22, 19, 18 except (jt=lb) 17=1081, 26=660, 25=866, 21=445, 24=204, 20=103.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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Job 4070681	Truss E01	Truss Type GABLE	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056675
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 E Jan 19 2024 Print: 8.630 E Jan 19 2024 MiTek Industries, Inc. Tue Jun 25 13:40:58
ID:7TFNBjDp2BPVmwWblyl10O?yBz?E-A2revSVmK3UOCxnlhRUDDxNg4IzwEL1JnK32fz2i0a

Page: 2

- 14) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 23-0-0 for 150.0 plf.
- 15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-9=-70, 9-15=-70, 15-16=-70, 17-26=-16
Concentrated Loads (lb)
Vert: 10=-99

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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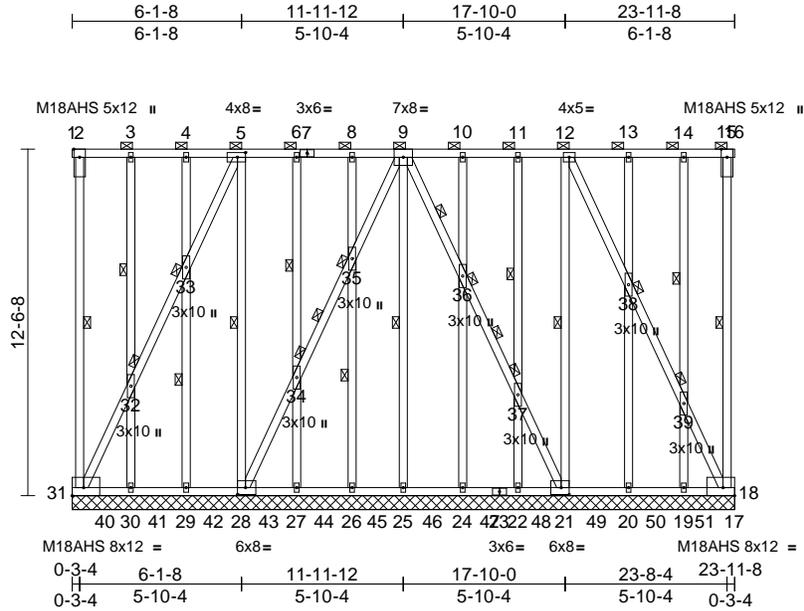
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Roseville, CA 95661
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Job 4070681	Truss E02	Truss Type GABLE	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056676
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:02
ID:7TFNBjDp2BPvMwByl10O?yBz?E-RFC?PsB70Hq3NSgPqnL8w3uITXbGKwRCoD7J4zJC?f

Page: 1



Scale = 1:82.9

Plate Offsets (X, Y): [5:0-3-8,0-2-0], [18:Edge,0-3-8], [21:0-3-8,0-3-0], [28:0-3-8,0-3-0], [31:Edge,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	0.86	Vert(LL)	n/a	-	n/a	999	M18AHS	169/162
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.44	Vert(CT)	n/a	-	n/a	999	MT20	220/195
TCDL	10.0	Rep Stress Incr	NO	WB	0.94	Horz(CT)	-0.14	25	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
											Weight: 346 lb	FT = 20%

LUMBER	TOP CHORD	BOT CHORD	WEBS	OTHERS	BRACING	TOP CHORD	BOT CHORD	WEBS	JOINTS	REACTIONS	(size)
Max Grav	1=272 (LC 43), 18=1484 (LC 44), 19=328 (LC 94), 20=339 (LC 93), 21=1098 (LC 44), 22=323 (LC 91), 24=335 (LC 90), 25=311 (LC 89), 26=326 (LC 88), 27=333 (LC 87), 28=1092 (LC 43), 29=330 (LC 85), 30=337 (LC 84), 31=1525 (LC 41)										
TOP CHORD	2x4 DF No.1&Btr	2x4 DF No.1&Btr	2x4 DF No.2 *Except* 31-2,15-18:2x4 DF No.1&Btr	2x4 DF No.2	2-0-0 oc purlins (5-4-4 max.): 1-16, except end verticals.	2-0-0 oc purlins (5-4-4 max.): 1-16, except end verticals.	1 Row at midpt	1 Brace at Jt(s): 15, 32, 33, 34, 35, 36, 37, 38, 39	1=23-11-8, 18=23-11-8, 19=23-11-8, 20=23-11-8, 21=23-11-8, 22=23-11-8, 24=23-11-8, 25=23-11-8, 26=23-11-8, 27=23-11-8, 28=23-11-8, 29=23-11-8, 30=23-11-8, 31=23-11-8	1=361 (LC 39)	1=208 (LC 40), 18=1479 (LC 39), 19=140 (LC 39), 20=197 (LC 40), 21=1067 (LC 39), 22=67 (LC 40), 24=44 (LC 40), 25=2 (LC 40), 26=54 (LC 39), 27=63 (LC 39), 28=1061 (LC 40), 29=220 (LC 39), 30=146 (LC 40), 31=1598 (LC 42)
FORCES	(lb) - Maximum Compression/Maximum Tension										
TOP CHORD	2-31=-248/232, 1-2=-759/718, 2-3=-879/603, 3-4=-1179/903, 4-5=-1479/1203, 5-6=-1018/779, 6-8=-1318/1079, 8-9=-1596/1357, 9-10=-1345/1210, 10-11=-1023/889, 11-12=-723/589, 12-13=-1081/983, 13-14=-737/639, 14-15=-437/339, 15-16=0/0, 15-18=-216/250										
BOT CHORD	30-31=-783/801, 29-30=-505/523, 28-29=-284/302, 27-28=-953/916, 26-27=-653/616, 25-26=-353/316, 24-25=-355/319, 22-24=-655/619, 21-22=-912/875, 20-21=-361/300, 19-20=-546/484, 18-19=-780/718, 17-18=-41/41										
WEBS	31-32=-1680/1819, 32-33=-1748/1894, 5-33=-1678/1818, 5-28=-1433/1333, 28-34=-2625/2776, 34-35=-2709/2866, 9-35=-2619/2769, 9-25=-67/54, 9-36=-2766/2634, 36-37=-2849/2713, 21-37=-2744/2614, 12-21=-1290/1409, 12-38=-1749/1665, 38-39=-1811/1723, 18-39=-1729/1647, 3-32=-198/197, 30-32=-257/189, 4-33=-201/231, 29-33=-258/287, 6-34=-215/221, 27-34=-150/142, 8-35=-143/152, 26-35=-134/132, 10-36=-157/153, 24-36=-141/140, 11-37=-217/261, 22-37=-141/148, 13-38=-206/221, 20-38=-249/285, 14-39=-207/253, 19-39=-200/325										
NOTES											



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpin.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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Roseville, CA 95661
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Job 4070681	Truss E02	Truss Type GABLE	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056676
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:02
ID:7TFNBjDp2BPVmwWblyl00?yBz?E-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?#

Page: 2

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TC DL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C
Corner (3) zone; cantilever left and right exposed ; end
vertical left and right exposed;C-C for members and
forces & MWFRS for reactions shown; Lumber
DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss
only. For studs exposed to wind (normal to the face),
see Standard Industry Gable End Details as applicable,
or consult qualified building designer as per ANSI/TPI 1.
- 3) T CLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate
DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9;
Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load
applied where required.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.
- 8) Truss to be fully sheathed from one face or securely
braced against lateral movement (i.e. diagonal web).
- 9) Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom
chord live load nonconcurrent with any other live loads.
- 11) * This truss has been designed for a live load of 20.0psf
on the bottom chord in all areas where a rectangle
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members, with BCDL = 8.0psf.
- 12) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 1598 lb uplift at
joint 31, 208 lb uplift at joint 1, 1479 lb uplift at joint 18,
1061 lb uplift at joint 28, 2 lb uplift at joint 25, 1067 lb
uplift at joint 21, 146 lb uplift at joint 30, 220 lb uplift at
joint 29, 63 lb uplift at joint 27, 54 lb uplift at joint 26, 44
lb uplift at joint 24, 67 lb uplift at joint 22, 197 lb uplift at
joint 20 and 140 lb uplift at joint 19.
- 13) This truss has been designed for a moving concentrated
load of 250.0lb live and 10.0lb dead located at all mid
panels and at all panel points along the Bottom Chord,
nonconcurrent with any other live loads.
- 14) This truss has been designed for a total drag load of 150
plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect
truss to resist drag loads along bottom chord from 0-0-0
to 23-11-8 for 150.0 plf.
- 15) 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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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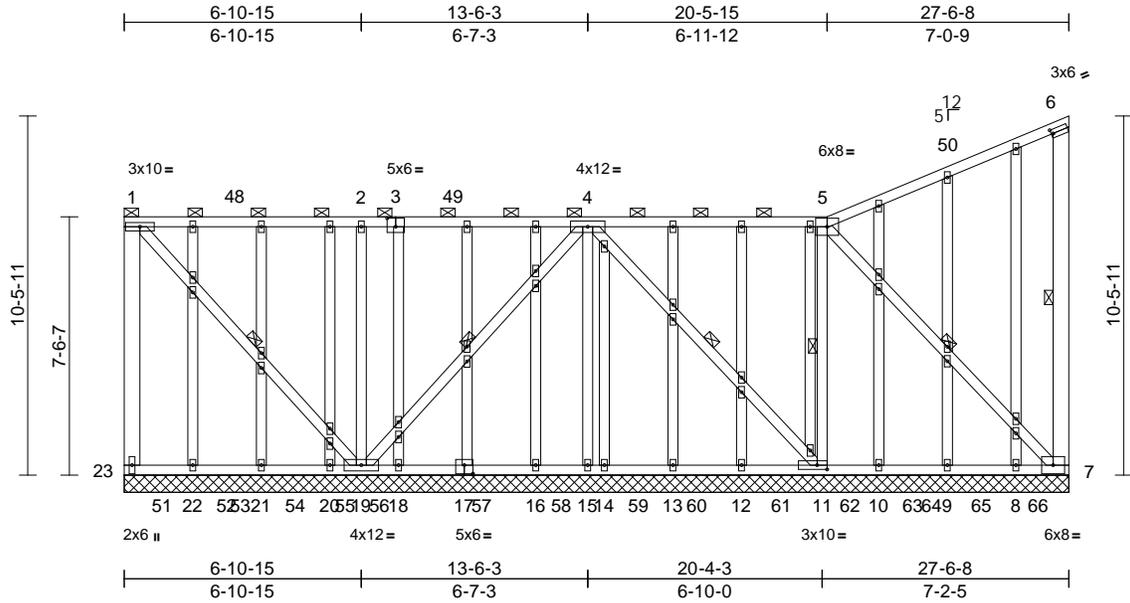
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss E03	Truss Type GABLE	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056677
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:03
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Page: 1



Scale = 1:66.8

Plate Offsets (X, Y): [3:0-3-0,0-3-0], [6:0-0-11,0-1-8], [11:0-3-8,0-1-8], [17:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.73	Horiz(TL)	-0.01	7	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 317 lb	FT = 20%

LUMBER	
TOP CHORD	2x4 DF No.1&Btr *Except* 3-5:2x4 DF 2400F 2.0E
BOT CHORD	2x4 DF No.1&Btr
WEBS	2x4 DF No.2 *Except* 23-1,6-7:2x6 DF No.2
OTHERS	2x4 DF No.2

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 5-6-7 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-5.
BOT CHORD	Rigid ceiling directly applied or 5-7-8 oc bracing.
WEBS	1 Row at midpt 6-7, 1-19, 4-19, 4-11, 5-11, 5-7

REACTIONS	(size)
Max Horiz	23=305 (LC 53)
Max Uplift	7=1013 (LC 49), 8=79 (LC 46), 10=24 (LC 102), 11=135 (LC 54), 13=11 (LC 102), 14=81 (LC 98), 15=109 (LC 97), 19=386 (LC 46), 20=16 (LC 93), 22=23 (LC 49), 23=1103 (LC 46)
Max Grav	7=977 (LC 66), 8=281 (LC 121), 9=295 (LC 120), 10=287 (LC 119), 11=636 (LC 22), 12=296 (LC 117), 13=291 (LC 116), 14=335 (LC 100), 15=502 (LC 78), 16=318 (LC 113), 18=342 (LC 97), 19=1046 (LC 78), 20=292 (LC 110), 21=293 (LC 109), 22=288 (LC 108), 23=1132 (LC 53)

FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-23=-1191/1079, 1-2=-962/929, 2-4=-1106/1072, 4-5=-1387/1270, 5-6=-1292/1150, 6-7=-383/137
BOT CHORD	22-23=-732/439, 21-22=-1032/719, 20-21=-1332/1019, 19-20=-1455/1156, 18-19=-1286/1110, 16-18=-1123/947, 15-16=-523/347, 14-15=-296/255, 13-14=-558/383, 12-13=-858/683, 11-12=-1210/1035, 10-11=-386/290, 9-10=-460/394, 8-9=-790/694, 7-8=-987/891, 1-19=-1425/1560, 2-19=-796/151, 4-19=-1901/1758, 4-15=-519/164, 4-11=-1720/1812, 5-11=-1543/1380, 5-7=-1258/1249
WEBS	

- NOTES**
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior (1) 3-2-12 to 27-3-12 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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
 - Unbalanced snow loads have been considered for this design.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.

- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1103 lb uplift at joint 23, 1013 lb uplift at joint 7, 386 lb uplift at joint 19, 109 lb uplift at joint 15, 135 lb uplift at joint 11, 23 lb uplift at joint 22, 16 lb uplift at joint 20, 81 lb uplift at joint 14, 11 lb uplift at joint 13, 24 lb uplift at joint 10 and 79 lb uplift at joint 8.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Roseville, CA 95661
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Job 4070681	Truss E03	Truss Type GABLE	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056677
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:03
ID:7TFNBjDp2BPVmwBlyl10O?yBz?E-RfC?PsB70Hq3NSgPqnL8w3uITXbGKwRCDoi7J4zJC?f

Page: 2

- 14) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 27-6-8 for 150.0 plf.
- 15) 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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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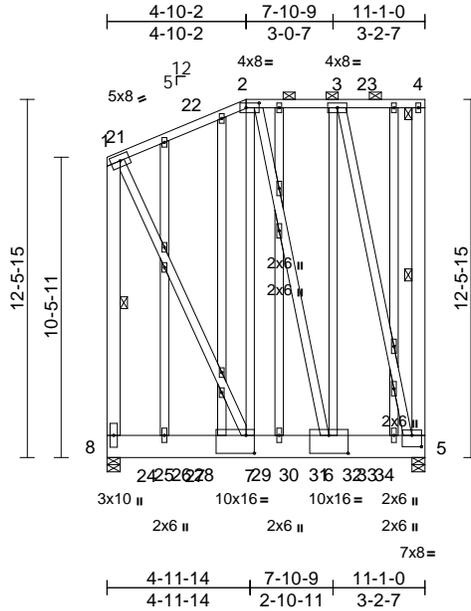
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss F01	Truss Type GABLE	Qty 1	Ply 3	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056678
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 E Jan 19 2024 Print: 8.630 E Jan 19 2024 MiTek Industries, Inc. Mon Jun 24 18:27:10
ID:7TFNBjDp2BPVmwBlyl00?yBz?E-dvN_hLj5N3cuTE13sHzV_fG3eGmVQw0QbwQNofz2ywF

Page: 1



Scale = 1:79.9

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.05	7-8	>999	240	MT20	220/195
TCDL	15.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.07	7-8	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	23.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 710 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x10 DF SS
WEBS 2x4 DF No.2 *Except* 4-5,8-1:2x6 DF No.2, 2-6,3-5:2x4 DF No.1&Btr
OTHERS 2x4 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.): 2-4.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-5, 1-8

REACTIONS
(lb/size) 5=9257/0-5-8, 8=8473/0-5-8
Max Horiz 8=480 (LC 47)
Max Uplift 5=-1137 (LC 43), 8=-1448 (LC 40)
Max Grav 5=10147 (LC 34), 8=9535 (LC 33)

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

TOP CHORD
1-21=-2951/627, 21-22=-2893/569,
2-22=-2502/159, 2-3=-2026/307,
3-23=-599/512, 1-8=-6806/1479

BOT CHORD
8-24=-1142/815, 24-25=-1317/1080,
25-26=-1393/1080, 26-27=-1393/1080,
27-28=-1393/1080, 7-28=-1393/1080,
7-29=-160/2207, 29-30=-160/2207,
30-31=-160/2207, 6-31=-160/2207,
6-32=-392/1800, 32-33=-392/1800,
33-34=-392/1800, 5-34=-460/1754

WEBS
2-7=-1453/3299, 3-6=-1191/7483,
1-7=-1381/6083, 2-6=-2772/1733,
3-5=-7894/1371

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 4 rows staggered at 0-7-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=9.0psf; BCDL=13.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior (1) 3-2-12 to 4-10-2, Exterior(2R) 4-10-2 to 9-1-1, Interior (1) 9-1-1 to 10-10-4 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.



EXPIRES: 12/31/2024
June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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Job 4070681	Truss F01	Truss Type GABLE	Qty 1	Ply 3	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056678
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 E Jan 19 2024 Print: 8.630 E Jan 19 2024 MiTek Industries, Inc. Mon Jun 24 18:27:10
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Page: 2

- 8) N/A
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 23.0psf.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1137 lb uplift at joint 5 and 1448 lb uplift at joint 8.
- 12) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 13) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 14) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-0-0, 9-1-0 to 11-1-0 for 415.6 plf.
- 15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 61 lb down and 26 lb up at 4-10-2 on top chord, and 1167 lb down and 950 lb up at 1-4-12, 1617 lb down and 143 lb up at 3-4-12, 1469 lb down and 143 lb up at 5-4-12, 1469 lb down and 143 lb up at 7-4-12, 1469 lb down and 143 lb up at 8-6-12, 822 lb down and 987 lb up at 9-8-4, 1380 lb down at 1-4-12, 1663 lb down at 3-4-12, 1530 lb down at 5-4-12, 1530 lb down at 7-4-12, and 1530 lb down at 8-6-12, and 1134 lb down at 9-8-4 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 (lb/ft)
Vert: 1-2=-80, 2-4=-80, 5-8=-46
Concentrated Loads (lb)
Vert: 2=-32 (B), 24=-2425 (F=-1380, B=-1045),
28=-3280 (F=-1663, B=-1617), 29=-2969 (F=-1530, B=-1439), 31=-2969 (F=-1530, B=-1439), 32=-2969 (F=-1530, B=-1439), 34=-1745 (F=-1134, B=-611)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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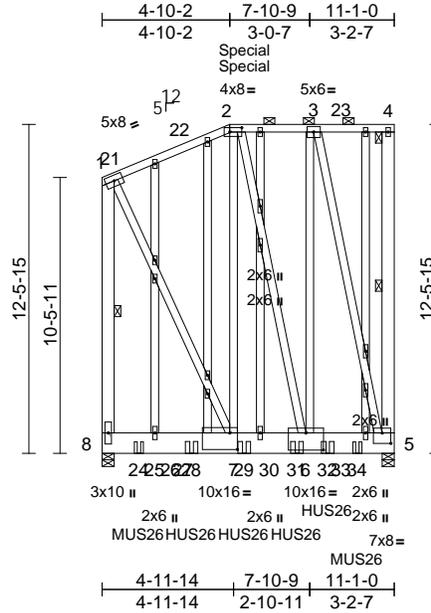
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Roseville, CA 95661
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Job 4070681	Truss F02	Truss Type GABLE	Qty 1	Ply 3	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056679
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:05
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Page: 1



Scale = 1:87

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.04	7-8	>999	240	MT20	220/195
TCDL	25.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.07	7-8	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.00	5	n/a	n/a		
BCDL	23.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 710 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x10 DF SS
 WEBS 2x4 DF No.2 *Except* 4-5,8-1:2x6 DF No.2,
 2-6,3-5:2x4 DF 2400F 2.0E
 OTHERS 2x4 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.): 2-4.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc
 bracing.

WEBS 1 Row at midpt 4-5, 1-8

REACTIONS

(size) 5=0-5-8, 8=0-5-8
 Max Horiz 8=480 (LC 47)
 Max Uplift 5=-970 (LC 43), 8=-1338 (LC 40)
 Max Grav 5=10500 (LC 34), 8=9808 (LC 33)

FORCES

(lb) - Maximum Compression/Maximum
 Tension
 TOP CHORD 1-2=-3062/574, 2-3=-2119/274,
 3-4=-619/512, 4-5=-193/75, 1-8=-7063/1358
 BOT CHORD 7-8=-1392/1081, 6-7=-128/2305,
 5-6=-429/1874
 WEBS 2-7=-1491/3276, 3-6=-1099/7723,
 1-7=-1295/6277, 2-6=-2813/1739,
 3-5=-8218/1239

NOTES

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x10 - 4 rows staggered at 0-7-0 oc.
 Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=15.0psf; BCDL=13.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior (1) 3-2-12 to 4-10-2, Exterior(2R) 4-10-2 to 9-1-1, Interior (1) 9-1-1 to 10-10-4 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.



EXPIRES: 12/31/2024
 June 25, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job 4070681	Truss F02	Truss Type GABLE	Qty 1	Ply 3	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056679
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 2

- 8) N/A
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 23.0psf.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 970 lb uplift at joint 5 and 1338 lb uplift at joint 8.
- 12) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 13) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 14) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 2-0-0, 9-1-0 to 11-1-0 for 415.6 plf.
- 15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 16) Use Simpson Strong-Tie MUS26 (6-10d Girder, 6-10d Truss) or equivalent at 1-4-12 from the left end to connect truss(es) to front face of bottom chord.
- 17) Use Simpson Strong-Tie HUS26 (14-16d Girder, 4-16d Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-4-12 from the left end to 8-6-12 to connect truss(es) to front face of bottom chord.
- 18) Use Simpson Strong-Tie MUS26 (6-10d Girder, 6-10d Truss, Single Ply Girder) or equivalent at 9-8-4 from the left end to connect truss(es) to front face of bottom chord.
- 19) Fill all nail holes where hanger is in contact with lumber.
- 20) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 62 lb down and 26 lb up at 4-10-2, and 62 lb down and 26 lb up at 4-10-2 on top 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 (lb/ft)
Vert: 1-2=-100, 2-4=-100, 5-8=-46
Concentrated Loads (lb)
Vert: 2=-64 (F=-32, B=-32), 24=-2427 (F=-1047, B=-1380), 28=-3336 (F=-1673, B=-1663), 29=-3102 (F=-1439, B=-1663), 31=-3102 (F=-1439, B=-1663), 32=-3102 (F=-1439, B=-1663), 34=-1745 (F=-611, B=-1134)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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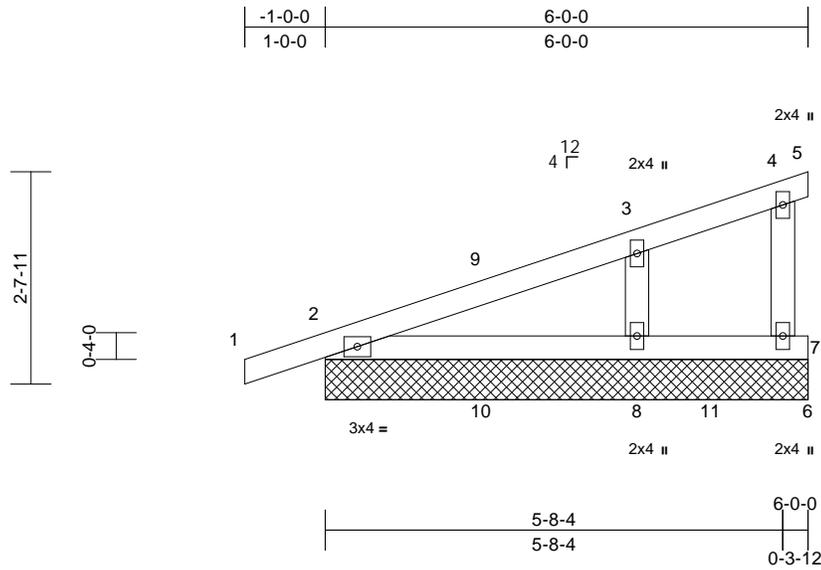
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Job 4070681	Truss G01	Truss Type GABLE	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056680
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:05
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Page: 1



Scale = 1:28.5

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-P								
											Weight: 22 lb	FT = 20%

LUMBER

TOP CHORD	2x4 DF No.1&Btr
BOT CHORD	2x4 DF No.1&Btr
WEBS	2x4 DF No.2
OTHERS	2x4 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

(size)	2=6-0-0, 5=6-0-0, 6=6-0-0, 7=6-0-0, 8=6-0-0
Max Horiz	2=69 (LC 13)
Max Uplift	2=-35 (LC 12), 5=-11 (LC 16), 6=-201 (LC 37), 7=-312 (LC 36), 8=-33 (LC 16)
Max Grav	2=340 (LC 39), 5=61 (LC 23), 6=276 (LC 42), 7=361 (LC 37), 8=459 (LC 23)

FORCES

(lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/30, 2-3=-129/87, 3-4=-54/34, 4-5=-14/18, 4-7=-33/18
BOT CHORD	2-8=-36/39, 7-8=-36/39, 6-7=0/0
WEBS	3-8=-392/237

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 6-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 5, 312 lb uplift at joint 7, 35 lb uplift at joint 2, 201 lb uplift at joint 6 and 33 lb uplift at joint 8.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 25, 2024

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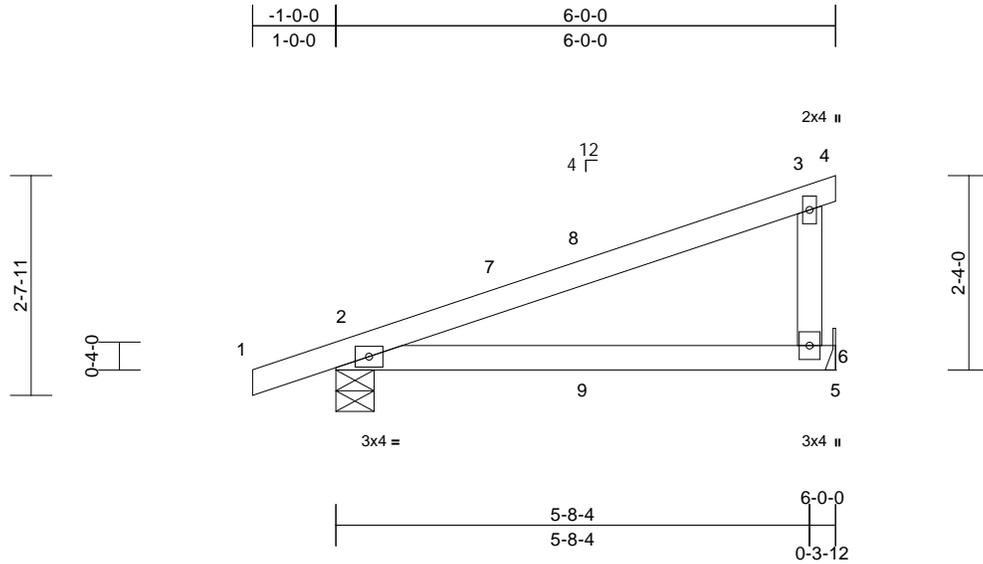
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss G02	Truss Type Monopitch	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056681
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:05
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Page: 1



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	0.56	Vert(LL)	-0.15	2-6	>432	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.19	2-6	>344	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-P								
BCDL	8.0											
											Weight: 21 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 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 (size) 2=0-5-8, 6= Mechanical
Max Horiz 2=71 (LC 13)
Max Uplift 2=-51 (LC 12), 6=-20 (LC 16)
Max Grav 2=466 (LC 23), 6=382 (LC 40)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/30, 2-3=-125/71, 3-4=-10/0, 3-6=-301/243
BOT CHORD 2-6=-36/39, 5-6=0/0

- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 6 and 51 lb uplift at joint 2.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- LOAD CASE(S)** Standard

- NOTES**
- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 6-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



EXPIRES: 12/31/2024
June 25, 2024

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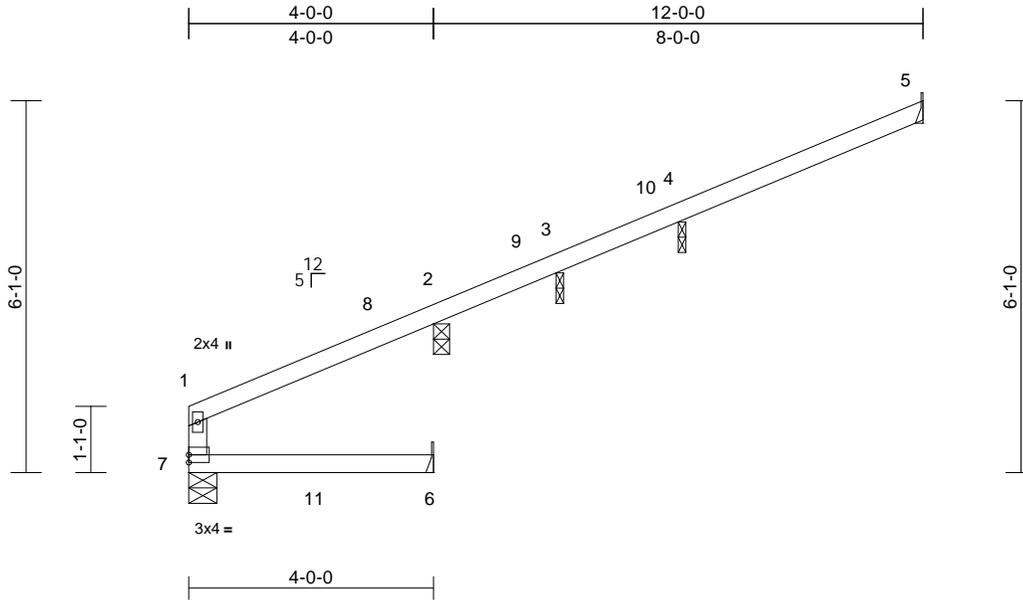
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss JA01	Truss Type Jack-Open	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056683
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:05
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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.04	6-7	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.05	6-7	>888	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.03	5	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-R								
											Weight: 24 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING

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

REACTIONS

(size) 2=0-3-2, 3=0-1-8, 4=0-1-8, 5= Mechanical, 6= Mechanical, 7=0-5-8
Max Horiz 7=129 (LC 16)
Max Uplift 2=-68 (LC 16), 3=-40 (LC 16), 4=-60 (LC 16), 5=-39 (LC 16), 6=-3 (LC 16)
Max Grav 2=198 (LC 23), 3=191 (LC 23), 4=315 (LC 23), 5=208 (LC 23), 6=292 (LC 38), 7=330 (LC 37)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-7=-151/11, 1-2=-272/138, 2-3=-194/92, 3-4=-150/67, 4-5=-67/64
BOT CHORD 6-7=0/0

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 11-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.

- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be User Defined crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 5, 3 lb uplift at joint 6, 68 lb uplift at joint 2, 40 lb uplift at joint 3 and 60 lb uplift at joint 4.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 25, 2024

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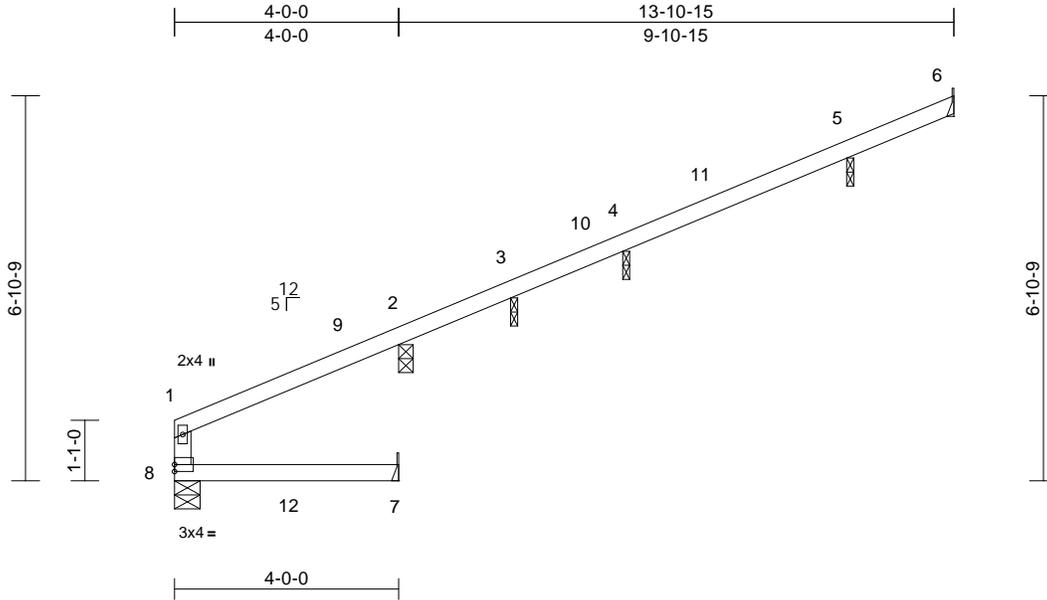
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss JA02	Truss Type Jack-Open	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056684
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:05
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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	0.33	Vert(LL)	-0.04	7-8	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.05	7-8	>888	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.03	6	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-R								
BCDL	8.0											
											Weight: 27 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING

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

REACTIONS

(size) 2=0-3-2, 3=0-1-8, 4=0-1-8, 5=0-1-8, 6= Mechanical, 7= Mechanical, 8=0-5-8
Max Horiz 8=151 (LC 16)
Max Uplift 2=-70 (LC 16), 3=-40 (LC 16), 4=-61 (LC 16), 5=-59 (LC 16), 6=-18 (LC 16), 7=-5 (LC 16)
Max Grav 2=196 (LC 1), 3=141 (LC 23), 4=303 (LC 23), 5=310 (LC 23), 6=96 (LC 23), 7=292 (LC 38), 8=330 (LC 37)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-8=-151/0, 1-2=-317/163, 2-3=-237/116, 3-4=-193/91, 4-5=-123/66, 5-6=-31/29
BOT CHORD 7-8=0/0

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 13-10-3 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.

- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be User Defined crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4, 5.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 6, 5 lb uplift at joint 7, 70 lb uplift at joint 2, 40 lb uplift at joint 3, 61 lb uplift at joint 4 and 59 lb uplift at joint 5.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4, 5.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 25, 2024

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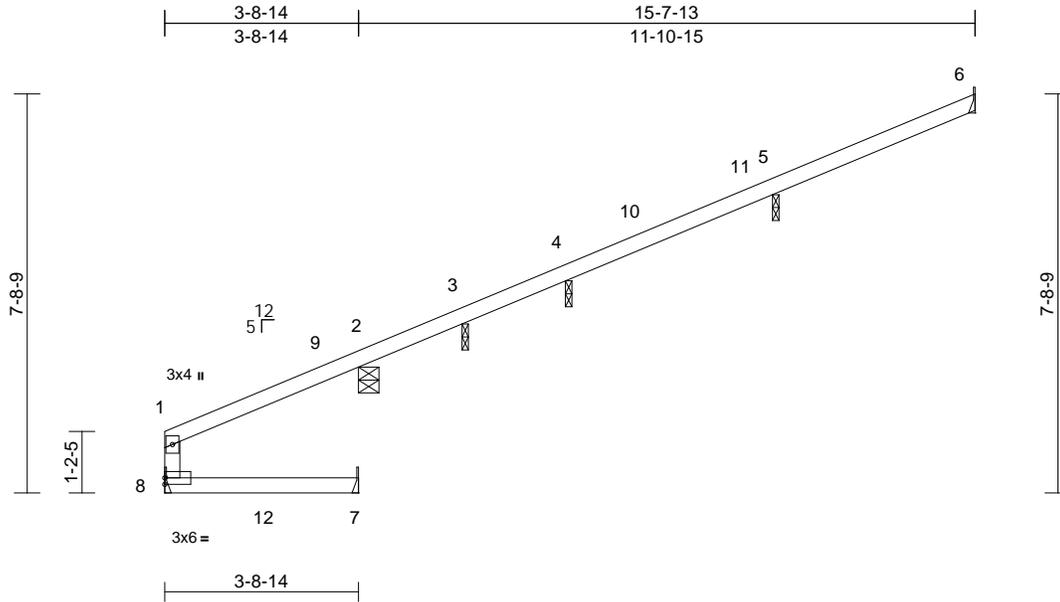
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss JA03	Truss Type Jack-Open	Qty 3	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056685
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ProBuild West (Closed), Beaverton, OR - 97005,

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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	0.30	Vert(LL)	-0.03	7-8	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.04	7-8	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.04	6	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-R								
BCDL	8.0											
										Weight: 29 lb	FT = 20%	

LUMBER

TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(size) 2=0-4-12, 3=0-1-8, 4=0-1-8, 5=0-1-8, 6= Mechanical, 7= Mechanical, 8= Mechanical
Max Horiz 8=171 (LC 14)
Max Uplift 2=-73 (LC 14), 3=-39 (LC 14), 4=-61 (LC 14), 5=-79 (LC 14), 6=-38 (LC 14), 7=-13 (LC 14)
Max Grav 2=188 (LC 1), 3=135 (LC 1), 4=241 (LC 21), 5=408 (LC 21), 6=203 (LC 21), 7=290 (LC 32), 8=326 (LC 31)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-8=-143/0, 1-2=-362/188, 2-3=-282/140, 3-4=-238/117, 4-5=-174/85, 5-6=-66/62
BOT CHORD 7-8=0/0

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 15-7-1 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.

- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: Joint 2 User Defined crushing capacity of 625 psi, Joint 3 User Defined crushing capacity of 625 psi, Joint 3 DF No.1&Btr crushing capacity of 625 psi, Joint 4 User Defined crushing capacity of 625 psi, Joint 4 DF No.1&Btr crushing capacity of 625 psi, Joint 5 User Defined crushing capacity of 625 psi, Joint 5 DF No.1&Btr crushing capacity of 625 psi, Joint 6 User Defined crushing capacity of 625 psi, Joint 8 User Defined crushing capacity of 625 psi, Joint 7 User Defined crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4, 5.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 6, 13 lb uplift at joint 7, 73 lb uplift at joint 2, 39 lb uplift at joint 3, 61 lb uplift at joint 4 and 79 lb uplift at joint 5.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4, 5.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 25, 2024

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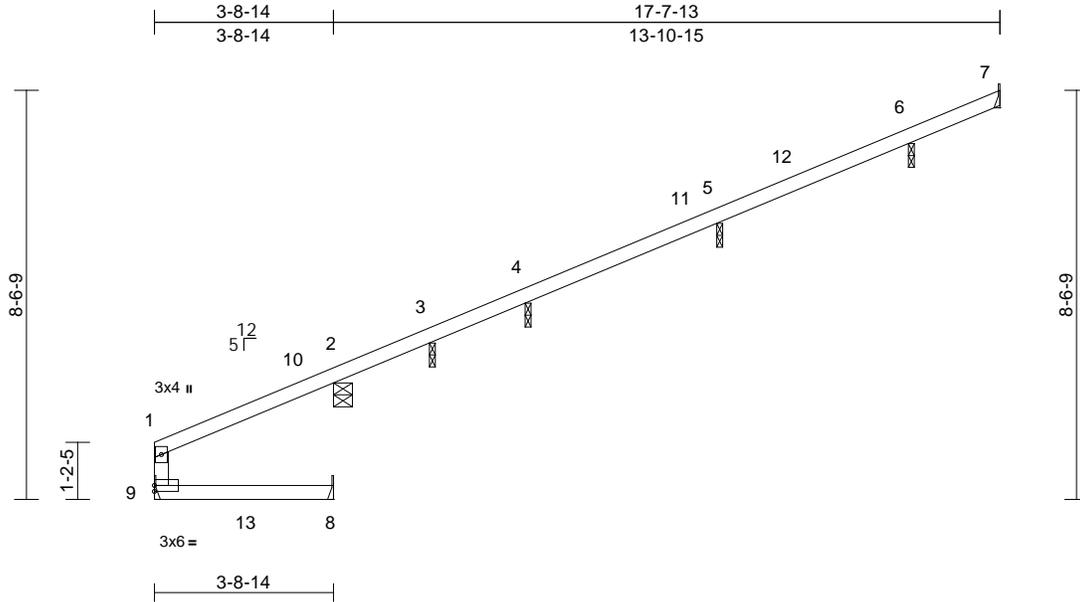
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Roseville, CA 95661
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Job 4070681	Truss JA04	Truss Type Jack-Open	Qty 3	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056686
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:06
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Page: 1



Scale = 1:47.9

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.03	8-9	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.04	8-9	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.05	7	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-R								
											Weight: 32 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-4-12, 3=0-1-8, 4=0-1-8, 5=0-1-8, 6=0-1-8, 7= Mechanical, 8= Mechanical, 9= Mechanical
Max Horiz 9=194 (LC 14)
Max Uplift 2=-76 (LC 14), 3=-39 (LC 14), 4=-61 (LC 14), 5=-81 (LC 14), 6=-59 (LC 14), 7=-18 (LC 14), 8=-16 (LC 14)
Max Grav 2=188 (LC 21), 3=135 (LC 1), 4=212 (LC 21), 5=374 (LC 21), 6=310 (LC 21), 7=96 (LC 21), 8=290 (LC 32), 9=326 (LC 31)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-9=-143/3, 1-2=-409/214, 2-3=-327/166, 3-4=-284/142, 4-5=-220/110, 5-6=-123/66, 6-7=-31/29
BOT CHORD 8-9=0/0

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 17-7-1 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

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: Joint 2 User Defined crushing capacity of 625 psi; Joint 2 DF No.1&Btr crushing capacity of 625 psi, Joint 3 User Defined crushing capacity of 625 psi, Joint 3 DF No.1&Btr crushing capacity of 625 psi, Joint 4 User Defined crushing capacity of 625 psi, Joint 4 DF No.1&Btr crushing capacity of 625 psi, Joint 5 User Defined crushing capacity of 625 psi, Joint 5 DF No.1&Btr crushing capacity of 625 psi, Joint 6 User Defined crushing capacity of 625 psi, Joint 6 DF No.1&Btr crushing capacity of 625 psi, Joint 7 User Defined crushing capacity of 625 psi, Joint 7 User Defined crushing capacity of 625 psi, Joint 8 User Defined crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4, 5, 6.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 7, 16 lb uplift at joint 8, 76 lb uplift at joint 2, 39 lb uplift at joint 3, 61 lb uplift at joint 4, 81 lb uplift at joint 5 and 59 lb uplift at joint 6.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4, 5, 6.

11) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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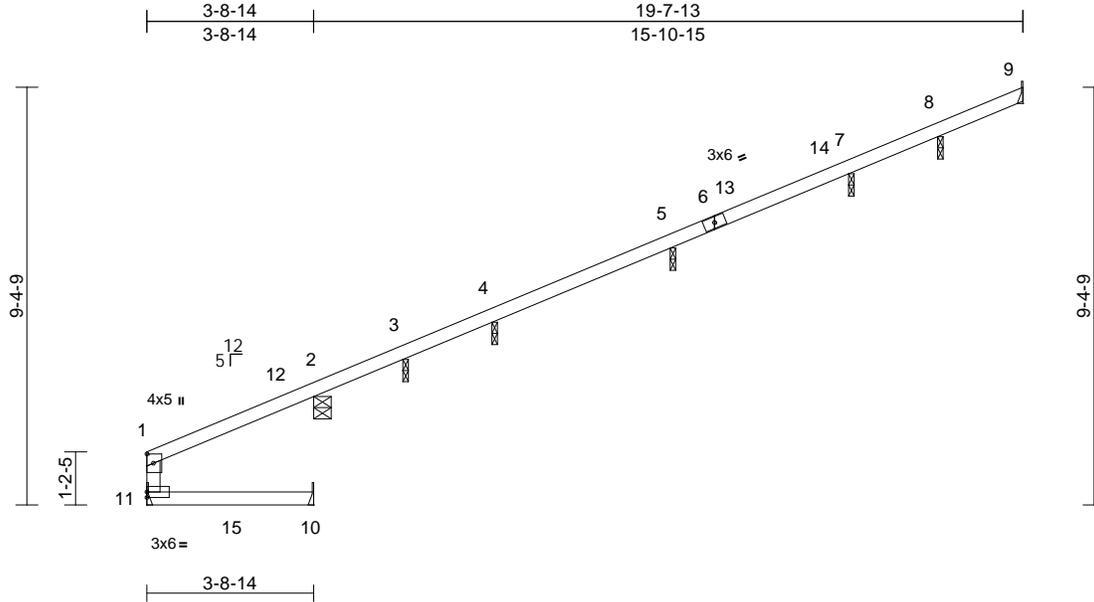
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss JA05	Truss Type Jack-Open	Qty 3	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056687
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:06
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Page: 1



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.04	10-11	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.05	10-11	>926	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.05	9	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-R								
											Weight: 35 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size)
2=0-4-12, 3=0-1-8, 4=0-1-8, 5=0-1-8, 7=0-1-8, 8=0-1-8, 9= Mechanical, 10= Mechanical, 11= Mechanical
Max Horiz 11=216 (LC 14)
Max Uplift 2=-80 (LC 14), 3=-39 (LC 14), 4=-61 (LC 14), 5=-81 (LC 14), 7=-61 (LC 14), 8=-38 (LC 14), 9=-18 (LC 14), 10=-18 (LC 14)
Max Grav 2=188 (LC 1), 3=135 (LC 1), 4=210 (LC 1), 5=311 (LC 21), 7=312 (LC 21), 8=203 (LC 21), 9=96 (LC 21), 10=289 (LC 32), 11=326 (LC 31)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-11=-142/17, 1-2=-457/241, 2-3=-372/191, 3-4=-329/167, 4-5=-265/135, 5-7=-174/85, 7-8=-90/41, 8-9=-31/29
BOT CHORD 10-11=0/0

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 19-7-1 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

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: Joint 2 User Defined crushing capacity of 625 psi, Joint 3 User Defined crushing capacity of 625 psi, Joint 3 DF No.1&Btr crushing capacity of 625 psi, Joint 4 User Defined crushing capacity of 625 psi, Joint 4 DF No.1&Btr crushing capacity of 625 psi, Joint 5 User Defined crushing capacity of 625 psi, Joint 5 DF No.1&Btr crushing capacity of 625 psi, Joint 7 User Defined crushing capacity of 625 psi, Joint 7 DF No.1&Btr crushing capacity of 625 psi, Joint 8 User Defined crushing capacity of 625 psi, Joint 8 DF No.1&Btr crushing capacity of 625 psi, Joint 9 User Defined crushing capacity of 625 psi, Joint 11 User Defined crushing capacity of 625 psi, Joint 10 User Defined crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4, 5, 7, 8.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 9, 18 lb uplift at joint 10, 80 lb uplift at joint 2, 39 lb uplift at joint 3, 61 lb uplift at joint 4, 81 lb uplift at joint 5, 61 lb uplift at joint 7 and 38 lb uplift at joint 8.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4, 5, 7, 8.

11) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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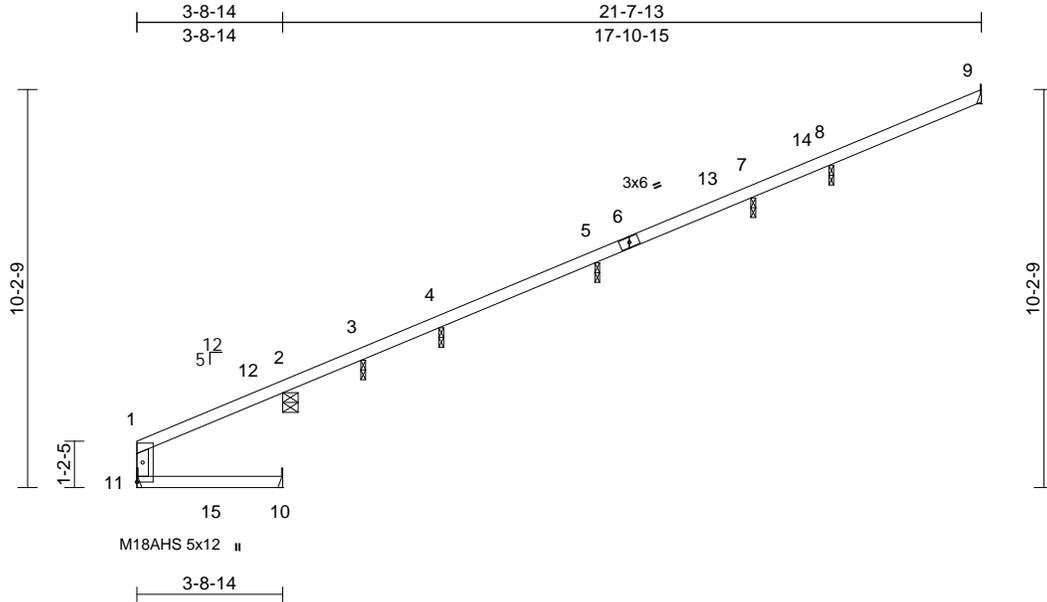
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss JA06	Truss Type Jack-Open	Qty 3	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056688
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:06
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Page: 1



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	0.37	Vert(LL)	-0.03	10-11	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.04	10-11	>999	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.06	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-R								
BCDL	8.0											
											Weight: 38 lb	FT = 20%

LUMBER
 TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x4 DF No.1&Btr
 WEBS 2x4 DF No.2

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-4-12, 3=0-1-8, 4=0-1-8, 5=0-1-8, 7=0-1-8, 8=0-1-8, 9= Mechanical, 10= Mechanical, 11= Mechanical
 Max Horiz 11=239 (LC 14)
 Max Uplift 2=-81 (LC 14), 3=-39 (LC 14), 4=-61 (LC 14), 5=-81 (LC 14), 7=-61 (LC 14), 8=-59 (LC 14), 9=-38 (LC 14), 10=-23 (LC 14)
 Max Grav 2=188 (LC 1), 3=135 (LC 1), 4=210 (LC 1), 5=284 (LC 21), 7=279 (LC 21), 8=315 (LC 21), 9=206 (LC 21), 10=290 (LC 32), 11=326 (LC 31)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-11=-161/28, 1-2=-503/267, 2-3=-417/216, 3-4=-374/192, 4-5=-310/160, 5-7=-220/110, 7-8=-148/66, 8-9=-66/63
 BOT CHORD 10-11=0/0

NOTES
 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 21-7-1 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

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: Joint 2 User Defined crushing capacity of 625 psi, Joint 2 DF No.1&Btr crushing capacity of 625 psi, Joint 3 User Defined crushing capacity of 625 psi, Joint 3 DF No.1&Btr crushing capacity of 625 psi, Joint 4 User Defined crushing capacity of 625 psi, Joint 4 DF No.1&Btr crushing capacity of 625 psi, Joint 5 User Defined crushing capacity of 625 psi, Joint 5 DF No.1&Btr crushing capacity of 625 psi, Joint 7 User Defined crushing capacity of 625 psi, Joint 7 DF No.1&Btr crushing capacity of 625 psi, Joint 8 User Defined crushing capacity of 625 psi, Joint 8 DF No.1&Btr crushing capacity of 625 psi, Joint 9 User Defined crushing capacity of 625 psi, Joint 10 User Defined crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4, 5, 7, 8.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 10, 38 lb uplift at joint 9, 81 lb uplift at joint 2, 39 lb uplift at joint 3, 61 lb uplift at joint 4, 81 lb uplift at joint 5, 61 lb uplift at joint 7 and 59 lb uplift at joint 8.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4, 5, 7, 8.

12) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
LOAD CASE(S) Standard



EXPIRES: 12/31/2024
 June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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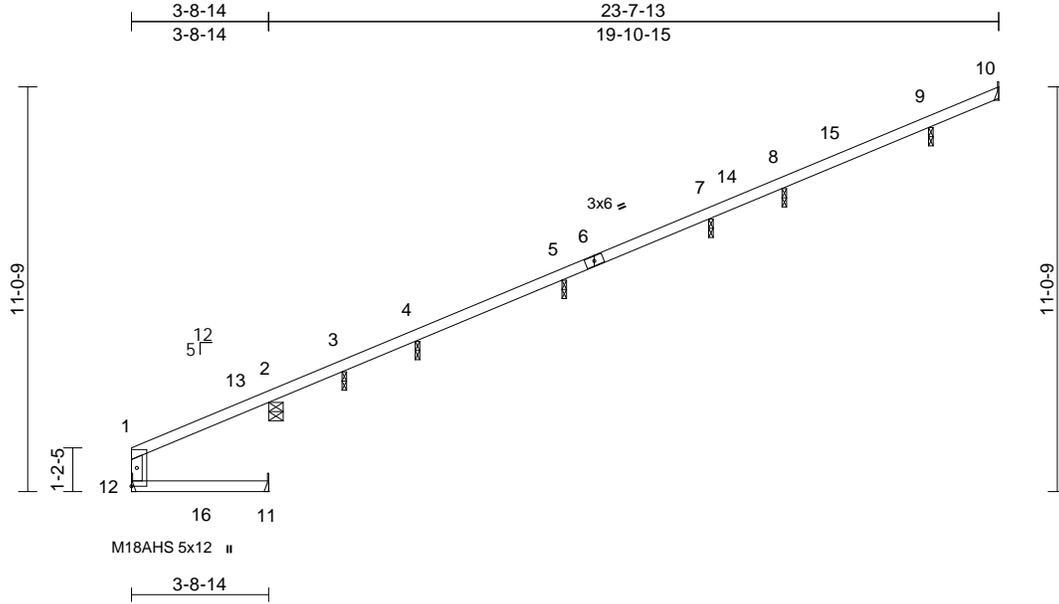
400 Sunrise Ave., Suite 270
 Roseville, CA 95661
 916.755.3571 / MiTek-US.com

Job 4070681	Truss JA07	Truss Type Jack-Open	Qty 3	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056689
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:06
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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	0.39	Vert(LL)	-0.03	11-12	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.04	11-12	>999	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.06	10	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-R								
BCDL	8.0											
										Weight: 41 lb	FT = 20%	

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size)
2=0-4-12, 3=0-1-8, 4=0-1-8,
5=0-1-8, 7=0-1-8, 8=0-1-8,
9=0-1-8, 10= Mechanical, 11=
Mechanical, 12= Mechanical
Max Horiz 12=262 (LC 14)
Max Uplift 2=-84 (LC 14), 3=-39 (LC 14),
4=-61 (LC 14), 5=-81 (LC 14),
7=-61 (LC 14), 8=-61 (LC 14),
9=-59 (LC 14), 10=-18 (LC 14),
11=-26 (LC 14)
Max Grav 2=188 (LC 1), 3=135 (LC 1), 4=210
(LC 1), 5=280 (LC 1), 7=226 (LC
21), 8=328 (LC 21), 9=322 (LC 21),
10=99 (LC 21), 11=290 (LC 32),
12=326 (LC 31)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-12=-183/40, 1-2=-551/293, 2-3=-462/241,
3-4=-419/217, 4-5=-355/186, 5-7=-265/135,
7-8=-193/91, 8-9=-123/68, 9-10=-31/31
BOT CHORD 11-12=0/0

NOTES

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 23-7-1 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 7) Bearings are assumed to be: Joint 2 User Defined crushing capacity of 625 psi, Joint 3 User Defined crushing capacity of 625 psi, Joint 4 User Defined crushing capacity of 625 psi, Joint 5 User Defined crushing capacity of 625 psi, Joint 6 User Defined crushing capacity of 625 psi, Joint 7 User Defined crushing capacity of 625 psi, Joint 8 User Defined crushing capacity of 625 psi, Joint 9 User Defined crushing capacity of 625 psi, Joint 10 User Defined crushing capacity of 625 psi, Joint 11 User Defined crushing capacity of 625 psi, Joint 12 User Defined crushing capacity of 625 psi.

- 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4, 5, 7, 8, 9.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 11, 18 lb uplift at joint 10, 84 lb uplift at joint 2, 39 lb uplift at joint 3, 61 lb uplift at joint 4, 81 lb uplift at joint 5, 61 lb uplift at joint 7, 61 lb uplift at joint 8 and 59 lb uplift at joint 9.
 - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4, 5, 7, 8, 9.
 - 12) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- LOAD CASE(S)** Standard



EXPIRES: 12/31/2024
June 25, 2024

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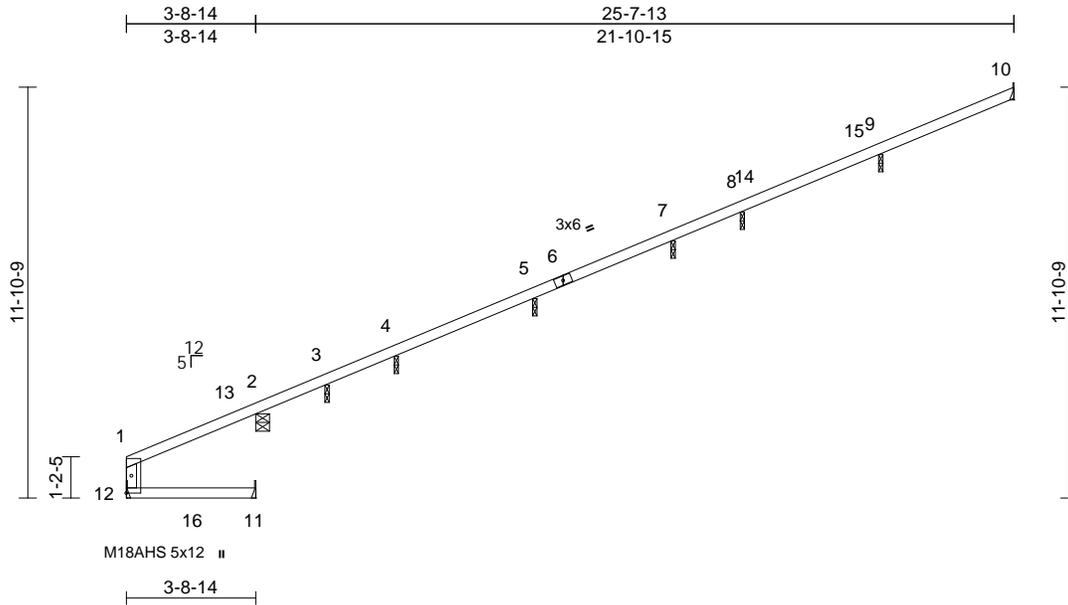
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070681	Truss JA08	Truss Type Jack-Open	Qty 3	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056690
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:06
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Page: 1



Scale = 1:66.3

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)	-0.03	11-12	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.04	11-12	>999	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.06	10	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-R								
BCDL	8.0											
											Weight: 44 lb	FT = 20%

LUMBER
 TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x4 DF No.1&Btr
 WEBS 2x4 DF No.2

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size)
 2=0-4-12, 3=0-1-8, 4=0-1-8,
 5=0-1-8, 7=0-1-8, 8=0-1-8,
 9=0-1-8, 10= Mechanical, 11=
 Mechanical, 12= Mechanical
 Max Horiz 12=285 (LC 14)
 Max Uplift 2=-87 (LC 14), 3=-39 (LC 14),
 4=-61 (LC 14), 5=-81 (LC 14),
 7=-61 (LC 14), 8=-61 (LC 14),
 9=-79 (LC 14), 10=-38 (LC 14),
 11=-29 (LC 14)
 Max Grav 2=188 (LC 1), 3=135 (LC 1), 4=210
 (LC 1), 5=280 (LC 1), 7=210 (LC
 1), 8=281 (LC 21), 9=440 (LC 21),
 10=215 (LC 21), 11=290 (LC 32),
 12=326 (LC 31)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-12=-205/53, 1-2=-598/319, 2-3=-507/266,
 3-4=-464/242, 4-5=-400/211, 5-7=-310/160,
 7-8=-238/117, 8-9=-174/85, 9-10=-66/66
 BOT CHORD 11-12=0/0

NOTES

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 25-7-1 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 7) Bearings are assumed to be: Joint 2 User Defined crushing capacity of 625 psi, Joint 3 User Defined crushing capacity of 625 psi, Joint 3 DF No.1&Btr crushing capacity of 625 psi, Joint 4 DF No.1&Btr crushing capacity of 625 psi, Joint 4 DF No.1&Btr crushing capacity of 625 psi, Joint 5 User Defined crushing capacity of 625 psi, Joint 5 DF No.1&Btr crushing capacity of 625 psi, Joint 7 User Defined crushing capacity of 625 psi, Joint 7 DF No.1&Btr crushing capacity of 625 psi, Joint 7 DF No.1&Btr crushing capacity of 625 psi, Joint 8 User Defined crushing capacity of 625 psi, Joint 8 DF No.1&Btr crushing capacity of 625 psi, Joint 8 DF No.1&Btr crushing capacity of 625 psi, Joint 9 User Defined crushing capacity of 625 psi, Joint 9 DF No.1&Btr crushing capacity of 625 psi, Joint 10 User Defined crushing capacity of 625 psi, Joint 10 User Defined crushing capacity of 625 psi, Joint 11 User Defined crushing capacity of 625 psi, Joint 11 User Defined crushing capacity of 625 psi.

- 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4, 5, 7, 8, 9.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 11, 38 lb uplift at joint 10, 87 lb uplift at joint 2, 39 lb uplift at joint 3, 61 lb uplift at joint 4, 81 lb uplift at joint 5, 61 lb uplift at joint 7, 61 lb uplift at joint 8 and 79 lb uplift at joint 9.
 - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4, 5, 7, 8, 9.
 - 12) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- LOAD CASE(S)** Standard



EXPIRES: 12/31/2024
 June 25, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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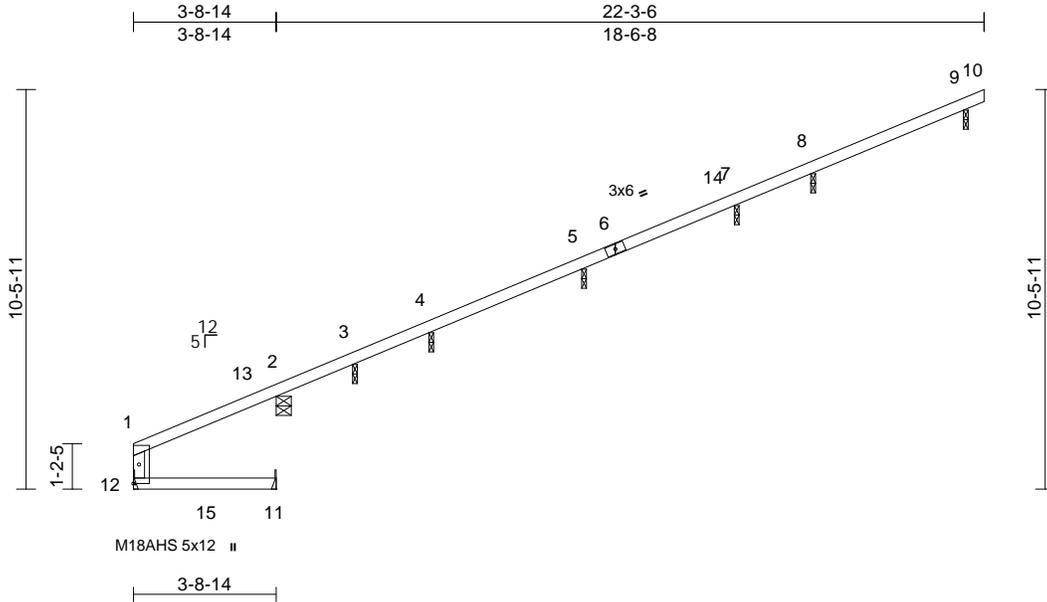
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 Roseville, CA 95661
 916.755.3571 / MiTek-US.com

Job 4070681	Truss JA09	Truss Type Jack-Open	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056691
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:06
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Page: 1



Scale = 1:60.1

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)	-0.03	11-12	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.04	11-12	>999	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.06	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-R								
BCDL	8.0											
										Weight: 39 lb	FT = 20%	

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-4-12, 3=0-1-8, 4=0-1-8, 5=0-1-8, 7=0-1-8, 8=0-1-8, 9=0-1-8, 11= Mechanical, 12= Mechanical
Max Horiz 12=246 (LC 14)
Max Uplift 2=-82 (LC 14), 3=-39 (LC 14), 4=-61 (LC 14), 5=-81 (LC 14), 7=-61 (LC 14), 8=-61 (LC 14), 9=-48 (LC 14), 11=-24 (LC 14)
Max Grav 2=188 (LC 1), 3=135 (LC 1), 4=210 (LC 1), 5=281 (LC 21), 7=262 (LC 21), 8=326 (LC 21), 9=275 (LC 21), 11=290 (LC 32), 12=326 (LC 31)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-12=-169/28, 1-2=-521/273, 2-3=-434/223, 3-4=-390/200, 4-5=-326/168, 5-7=-236/118, 7-8=-165/74, 8-9=-84/69, 9-10=-20/0
BOT CHORD 11-12=0/0

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 22-3-6 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

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 19.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: Joint 2 User Defined crushing capacity of 625 psi, Joint 3 User Defined crushing capacity of 625 psi, Joint 4 User Defined crushing capacity of 625 psi, Joint 5 User Defined crushing capacity of 625 psi, Joint 6 User Defined crushing capacity of 625 psi, Joint 7 User Defined crushing capacity of 625 psi, Joint 8 User Defined crushing capacity of 625 psi, Joint 9 User Defined crushing capacity of 625 psi, Joint 10 User Defined crushing capacity of 625 psi, Joint 11 User Defined crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4, 5, 7, 8, 9.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 11, 82 lb uplift at joint 2, 39 lb uplift at joint 3, 61 lb uplift at joint 4, 81 lb uplift at joint 5, 61 lb uplift at joint 7, 61 lb uplift at joint 8 and 48 lb uplift at joint 9.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4, 5, 7, 8, 9.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 25, 2024

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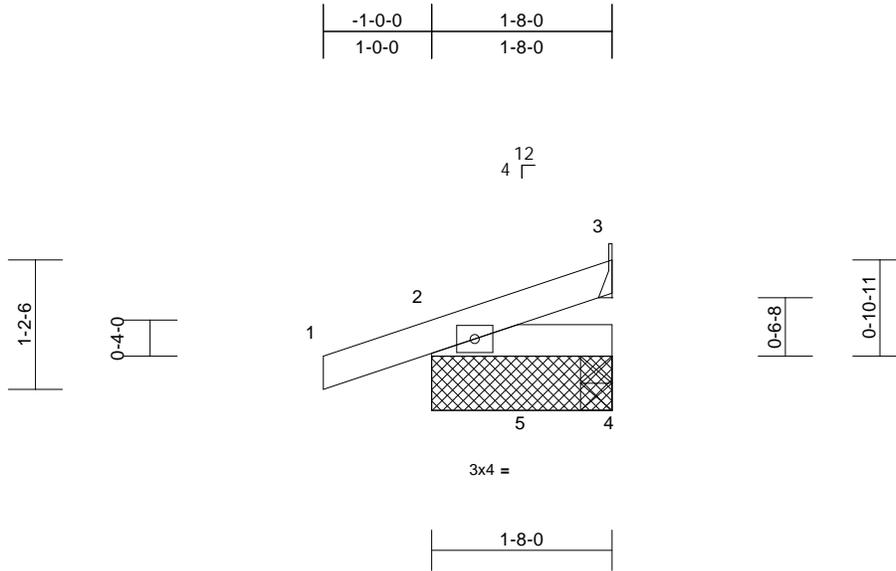
Job 4070681	Truss JC01	Truss Type Monopitch Supported Gable	Qty 4	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056692
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Jun 17 2024 Print: 8.630 S Jun 17 2024 MiTek Industries, Inc. Fri Jun 21 12:56:06

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Scale = 1:21.2

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	0.00	2-4	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	0.00	2-4	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 6 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=1-8-0, 3= Mechanical, 4=0-3-8
Max Horiz 2=28 (LC 12)
Max Uplift 2=-41 (LC 12), 3=-12 (LC 16)
Max Grav 2=316 (LC 37), 3=50 (LC 23), 4=273 (LC 38)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/27, 2-3=-36/13
BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.

- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 9) Bearings are assumed to be: , Joint 4 User Defined crushing capacity of 625 psi.
- 10) Refer to girder(s) for truss to truss connections.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 2 and 12 lb uplift at joint 3.
- 12) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 25, 2024

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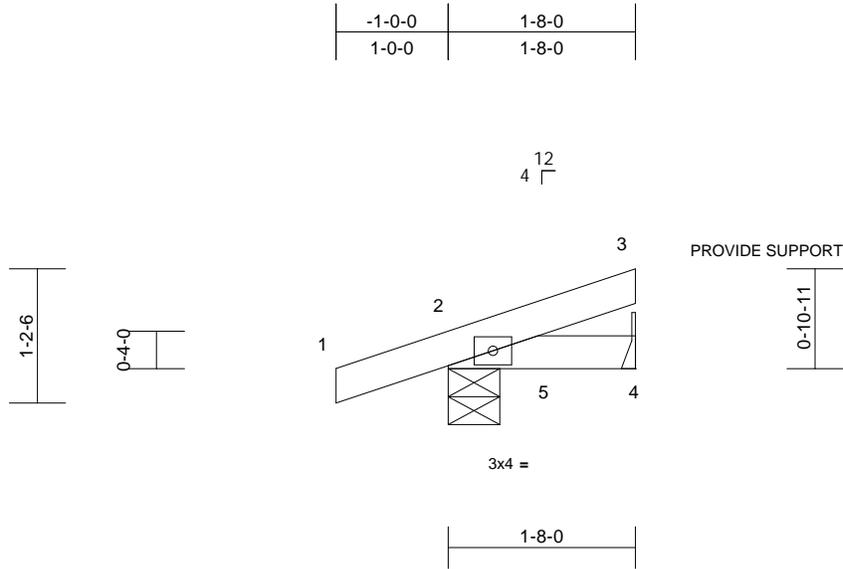
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Roseville, CA 95661
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Job 4070681	Truss JC02	Truss Type Jack-Open	Qty 8	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056693
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



Scale = 1:20.4

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	0.00	2-4	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	0.00	2-4	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 6 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(size) 2=0-5-8, 4= Mechanical
Max Horiz 2=36 (LC 12)
Max Uplift 2=-52 (LC 12), 4=-9 (LC 12)
Max Grav 2=317 (LC 37), 4=282 (LC 38)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/27, 2-3=-52/0
BOT CHORD 2-4=0/0

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C
Exterior(2E) zone; cantilever left and right exposed ; end
vertical left and right exposed;C-C for members and
forces & MWFRS for reactions shown; Lumber
DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate
DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9;
Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load
applied where required.
- Unbalanced snow loads have been considered for this
design.
- This truss has been designed for greater of min roof live
load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on
overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom
chord live load nonconcurrent with any other live loads.

- * This truss has been designed for a live load of 20.0psf
on the bottom chord in all areas where a rectangle
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members.
 - All bearings are assumed to be User Defined crushing
capacity of 625 psi.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 52 lb uplift at joint
2 and 9 lb uplift at joint 4.
 - This truss has been designed for a moving concentrated
load of 250.0lb live and 10.0lb dead located at all mid
panels and at all panel points along the Bottom Chord,
nonconcurrent with any other live loads.
- LOAD CASE(S)** Standard



EXPIRES: 12/31/2024
June 25, 2024

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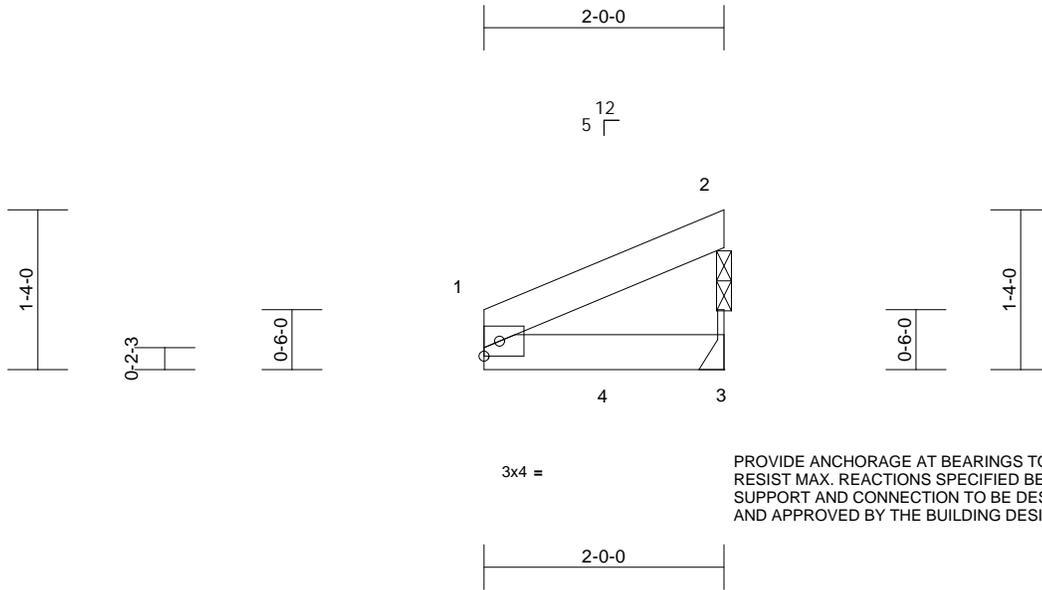
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Roseville, CA 95661
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Job 4070681	Truss M01	Truss Type Monopitch	Qty 12	Ply 1	JTSC Spring Meadow BLDG3 part 1 of 2 Job Reference (optional)	R83056694
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



Scale = 1:19.1

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-P								
											Weight: 6 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS

(size) 2=0-1-8, 3= Mechanical
Max Horiz 2=574 (LC 36), 3=-574 (LC 36)
Max Uplift 2=-25 (LC 12), 3=-9 (LC 12)
Max Grav 2=316 (LC 36), 3=276 (LC 37)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-278/653
BOT CHORD 1-3=-574/279

NOTES

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C
Exterior(2E) zone; cantilever left and right exposed ; end
vertical left and right exposed;C-C for members and
forces & MWFRS for reactions shown; Lumber
DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate
DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9;
Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load
applied where required.
- 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
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members.
- 6) All bearings are assumed to be User Defined crushing
capacity of 625 psi.

- 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to
bearing plate at joint(s) 2.
 - 9) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 25 lb uplift at joint
2 and 9 lb uplift at joint 3.
 - 10) N/A
 - 11) Beveled plate or shim required to provide full bearing
surface with truss chord at joint(s) 2.
 - 12) This truss has been designed for a moving concentrated
load of 250.0lb live and 10.0lb dead located at all mid
panels and at all panel points along the Bottom Chord,
nonconcurrent with any other live loads.
- LOAD CASE(S)** Standard



EXPIRES: 12/31/2024
June 25, 2024

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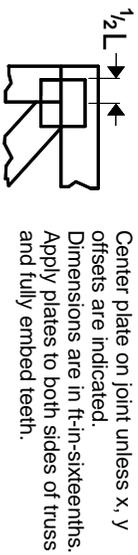
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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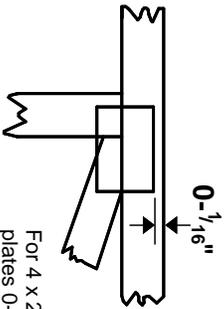
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Symbols

PLATE LOCATION AND ORIENTATION



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



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



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

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

PLATE SIZE

4 X 4

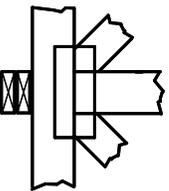
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

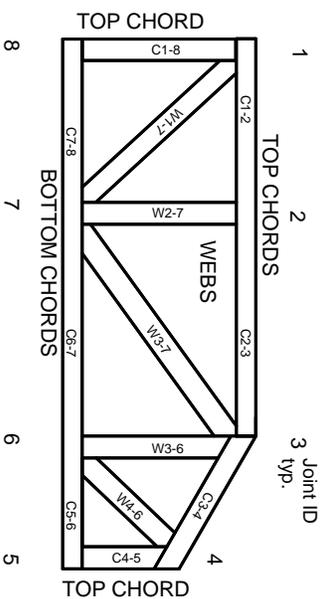


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TFP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & 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-1-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

Design General Notes

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TFP 1 section 6.3. These truss designs rely on Lumber values established by others.

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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability/bracing for truss system, e.g. diagonal or X-bracing, is always required. See 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/TFP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TFP 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/TFP 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.

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MITtek Engineering Reference Sheet: Mill-7473 rev. 1/2/2023

Re: 4070682
JTSC Spring Meadow BLDG3 part 2 of 2

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource (Beaverton, OR).

Pages or sheets covered by this seal: R82993771 thru R82993818
My license renewal date for the state of Oregon is December 31, 2024.



Dustin Reinmuth
EXPIRES 12/31/2024

June 21, 2024

Reinmuth, Dustin

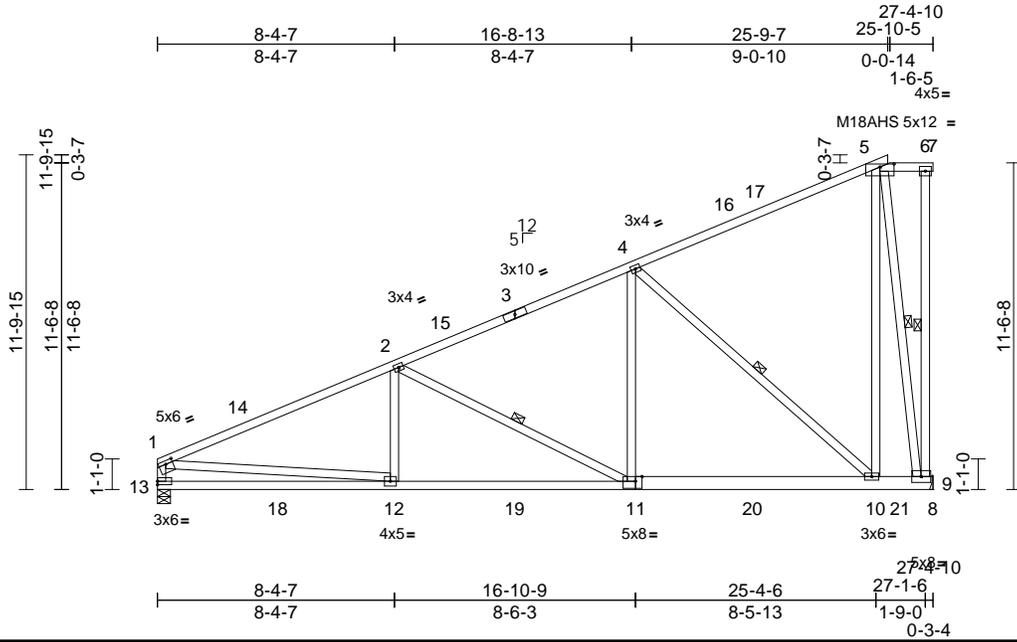
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which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

Job 4070682	Truss A02	Truss Type Roof Special	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993772
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



Scale = 1:81

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	-0.28	12-13	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.38	12-13	>860	180	M18AHS	169/162
BCLL	0.0*	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.04	9	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 185 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 2400F 2.0E *Except* 5-7:2x4 DF No.1&Btr
 BOT CHORD 2x6 DF No.2 *Except* 11-13:2x4 DF No.1&Btr
 WEBS 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 5-7.
 BOT CHORD Rigid ceiling directly applied or 8-5-7 oc bracing.

WEBS 1 Row at midpt 6-9, 2-11, 4-10, 5-9

REACTIONS (size) 9= Mechanical, 13=0-5-8
 Max Horiz 13=361 (LC 13)
 Max Uplift 9=-93 (LC 16), 13=-49 (LC 16)
 Max Grav 9=1579 (LC 37), 13=1391 (LC 37)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-2406/269, 2-4=-1714/254, 4-5=-535/212, 5-6=-207/230, 6-7=0/0, 6-9=-166/185, 1-13=-1325/194
 BOT CHORD 12-13=-627/647, 10-12=-492/2131, 9-10=-169/254, 8-9=0/0
 WEBS 2-12=-65/300, 2-11=-762/166, 4-11=0/677, 4-10=-1625/235, 5-10=-213/1239, 5-9=-1711/329, 1-12=-116/1805

NOTES

1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
 Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
 Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 25-7-14, Exterior(2E) 25-7-14 to 27-4-10 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

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Bearings are assumed to be: Joint 13 DF No.1&Btr crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 9 and 49 lb uplift at joint 13.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 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



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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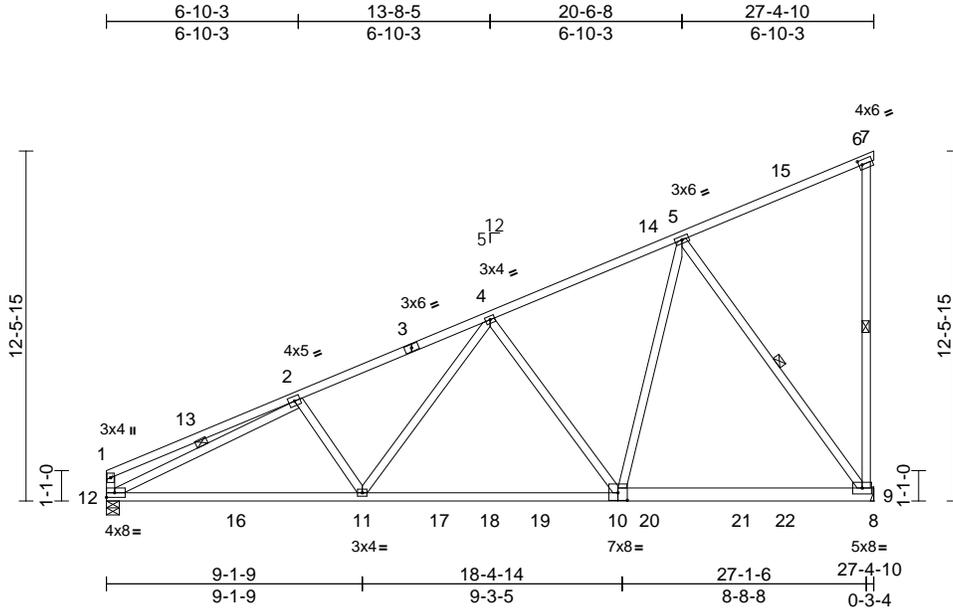
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss A03	Truss Type Monopitch	Qty 6	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993773
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Page: 1



Scale = 1:81.8

Plate Offsets (X, Y): [6:0-1-7,0-2-0], [10:0-4-0,0-3-4]

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	0.83	Vert(LL)	-0.36	11-12	>889	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.49	11-12	>667	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.04	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
											Weight: 165 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x6 DF No.2 *Except* 10-12:2x4 DF No.1&Btr
 WEBS 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-5-10 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-9-8 oc bracing: 11-12.
 WEBS 1 Row at midpt 6-9, 5-9, 2-12

REACTIONS

(size) 9= Mechanical, 12=0-5-8
 Max Horiz 12=391 (LC 13)
 Max Uplift 9=-115 (LC 16), 12=-45 (LC 16)
 Max Grav 9=1530 (LC 5), 12=1269 (LC 5)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-392/91, 2-4=-1964/319, 4-5=-1179/276, 5-6=-212/191, 6-7=-12/0, 6-9=-355/116, 1-12=-323/101
 BOT CHORD 11-12=-572/1850, 9-11=-418/1413, 8-9=0/0
 WEBS 2-11=-299/192, 4-11=-84/577, 4-10=-704/202, 5-10=-112/983, 5-9=-1352/262, 2-12=-1766/226

NOTES

1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
 Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 27-4-10 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

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Bearings are assumed to be: Joint 12 DF No.1&Btr crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 115 lb uplift at joint 9 and 45 lb uplift at joint 12.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
 June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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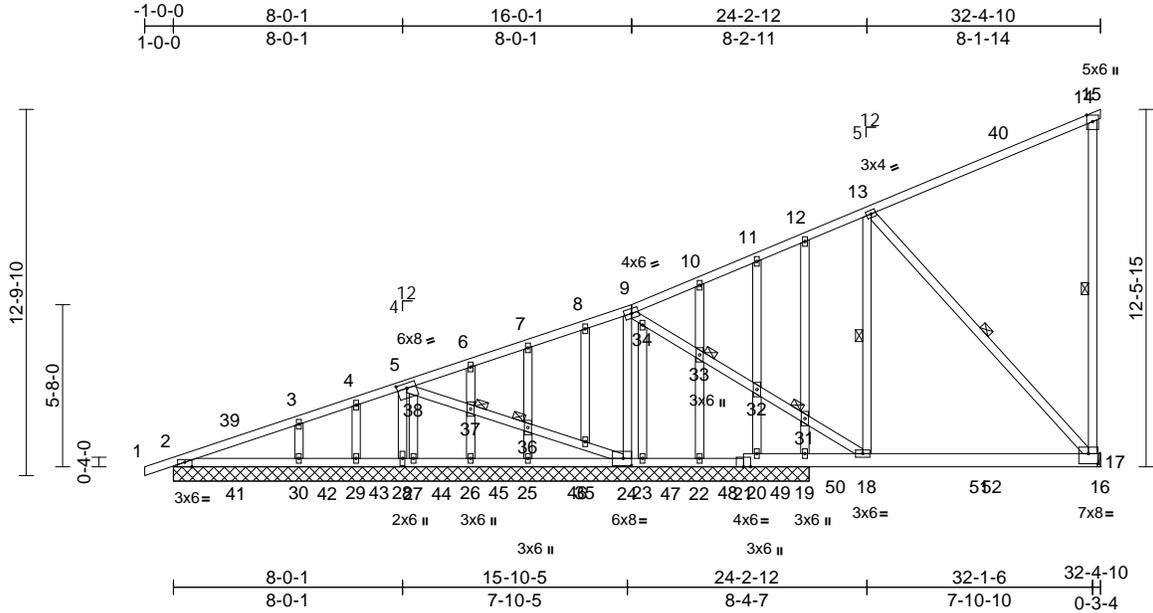
400 Sunrise Ave., Suite 270
 Roseville, CA 95661
 916.755.3571 / MiTek-US.com

Job 4070682	Truss A04	Truss Type GABLE	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993774
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



Scale = 1:80.1

Plate Offsets (X, Y): [2:0-3-0,Edge], [5:0-4-0,0-2-0], [17:0-4-0,0-4-4], [24:0-3-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.08	17-18	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.11	17-18	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.65	Horz(CT)	-0.02	17	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 234 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr *Except* 21-16:2x6 DF No.2
WEBS 2x4 DF No.2
OTHERS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-6-4 oc bracing.
WEBS 1 Row at midpt 14-17, 13-18, 13-17
JOINTS 1 Brace at Jt(s): 31, 33, 36, 37

REACTIONS (size)
2=22-2-8, 17= Mechanical,
19=22-2-8, 20=22-2-8, 22=22-2-8,
23=22-2-8, 24=22-2-8, 25=22-2-8,
26=22-2-8, 27=22-2-8, 28=22-2-8,
29=22-2-8, 30=22-2-8
Max Horiz 2=407 (LC 48)
Max Uplift 2=686 (LC 46), 17=626 (LC 55),
19=145 (LC 48), 20=85 (LC 55),
22=64 (LC 55), 23=250 (LC 84),
24=770 (LC 54), 25=114 (LC 46),
26=74 (LC 47), 27=127 (LC 80),
28=869 (LC 48), 29=118 (LC 78),
30=58 (LC 55)
Max Grav 2=796 (LC 53), 17=1134 (LC 38),
19=273 (LC 103), 20=314 (LC 102),
22=331 (LC 101), 23=275 (LC 86),
24=1187 (LC 39), 25=377 (LC 98),
26=318 (LC 97), 27=376 (LC 82),
28=910 (LC 67), 29=281 (LC 94),
30=425 (LC 78)

TOP CHORD 1-2=0/20, 2-3=-2517/2036, 3-4=-1762/1336,
4-5=-1439/1034, 5-6=-2491/2126,
6-7=-2057/1747, 7-8=-1746/1459,
8-9=-1409/1125, 9-10=-2375/2046,
10-11=-2055/1714, 11-12=-1699/1392,
12-13=-1463/1149, 13-14=-1502/1306,
14-15=-7/0, 14-17=-254/183

BOT CHORD 2-30=-2221/1946, 29-30=-1262/997,
28-29=-825/550, 27-28=-462/205,
26-27=-597/332, 25-26=-1035/769,
24-25=-1795/1529, 23-24=-600/340,
22-23=-1038/745, 20-22=-1459/1218,
19-20=-1805/1557, 18-19=-1842/1593,
17-18=-772/733, 16-17=0/0

WEBS 5-28=-890/918, 5-38=-1426/1406,
37-38=-1427/1411, 36-37=-1410/1392,
35-36=-1421/1408, 24-35=-1440/1420,
9-24=-1488/1256, 9-34=-1220/1427,
33-34=-1248/1464, 32-33=-1193/1399,
31-32=-1203/1407, 18-31=-1242/1459,
13-18=-732/901, 13-17=-1076/941,
12-31=-166/116, 19-31=-234/128,
11-32=-166/137, 20-32=-158/112,
10-33=-164/97, 22-33=-157/142,
23-34=-44/24, 8-35=-74/43, 7-36=-186/97,
25-36=-263/181, 6-37=-139/68,
26-37=-134/106, 27-38=-38/19, 4-29=-59/54,
3-30=-284/134

- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL=8.0psf.

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-0-0 to 2-2-14, Interior (1) 2-2-14 to 32-4-10 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



EXPIRES: 12/31/2024
June 21, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsc.com)

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Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss A04	Truss Type GABLE	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993774
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 2

- 10) Bearings are assumed to be: Joint 30 DF No.2 crushing capacity of 625 psi.
- 11) Refer to girder(s) for truss to truss connections.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 626 lb uplift at joint 17, 686 lb uplift at joint 2, 869 lb uplift at joint 28, 770 lb uplift at joint 24, 145 lb uplift at joint 19, 85 lb uplift at joint 20, 64 lb uplift at joint 22, 250 lb uplift at joint 23, 114 lb uplift at joint 25, 74 lb uplift at joint 26, 127 lb uplift at joint 27, 118 lb uplift at joint 29 and 58 lb uplift at joint 30.
- 13) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 14) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 22-2-8 for 218.7 plf.

LOAD CASE(S) Standard

⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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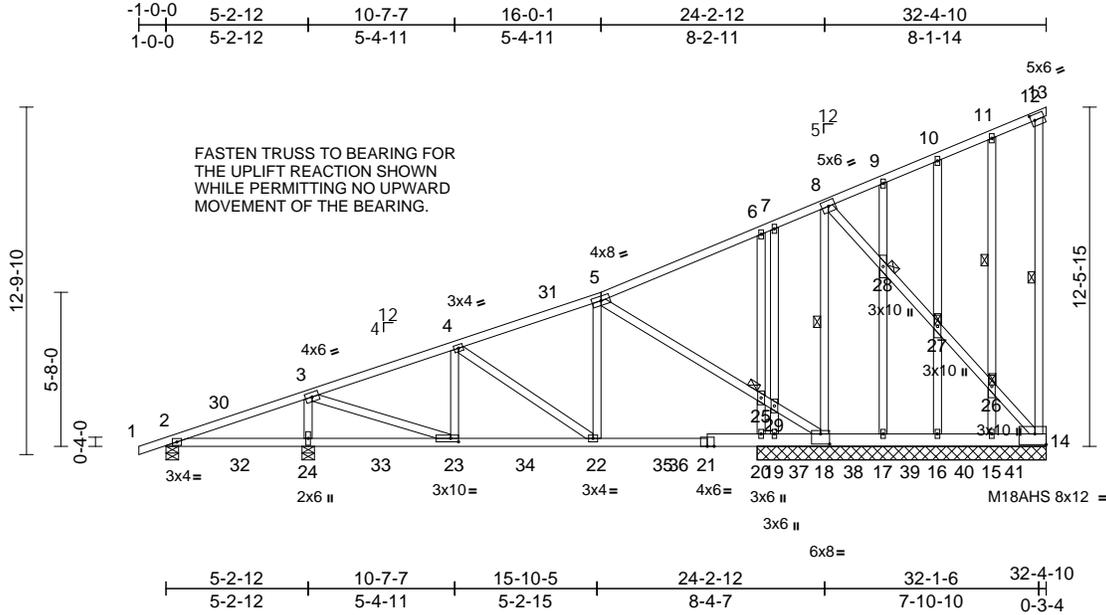
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss A05	Truss Type GABLE	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993775
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:36
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Page: 1



Scale = 1:84.4

Plate Offsets (X, Y): [12:0-1-10,0-2-8], [14:Edge,0-4-12], [18:0-4-0,0-4-8], [23:0-3-8,0-1-8]

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	0.69	Vert(LL)	-0.08	22-23	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.10	22-23	>999	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	NO	WB	0.97	Horz(CT)	-0.06	15	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
											Weight: 247 lb	FT = 20%

LUMBER	TOP CHORD	1-2=0/20, 2-3=-872/490, 3-4=-2279/1747, 4-5=-2002/1597, 5-6=-1580/1290, 6-7=-487/325, 7-8=-494/348, 8-9=-1562/1336, 9-10=-1218/1049, 10-11=-860/701, 11-12=-496/400, 12-13=-132/166, 12-14=-265/244	3)	TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
TOP CHORD	2x4 DF No.1&Btr			
BOT CHORD	2x4 DF No.1&Btr *Except* 21-14:2x6 DF No.2			
WEBS	2x4 DF No.2 *Except* 12-14,23-3,14-8:2x4 DF No.1&Btr			4) Unbalanced snow loads have been considered for this design.
OTHERS	2x4 DF No.2			5) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
BRACING				6) All plates are MT20 plates unless otherwise indicated.
TOP CHORD	Structural wood sheathing directly applied or 4-4-9 oc purlins, except end verticals.			7) All plates are 2x4 MT20 unless otherwise indicated.
BOT CHORD	Rigid ceiling directly applied or 3-7-5 oc bracing.			8) Gable studs spaced at 2-0-0 oc.
WEBS	1 Row at midpt 12-14, 8-18, 11-26			9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
JOINTS	1 Brace at Jt(s): 25, 26, 27, 28			10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
REACTIONS	(size) 2=0-5-8, 13=10-7-10, 14=10-7-10, 15=10-7-10, 16=10-7-10, 17=10-7-10, 18=10-7-10, 19=10-7-10, 20=10-7-10, 24=0-5-8			11) Bearings are assumed to be Joint 2 DF No.1&Btr crushing capacity of 625 psi, Joint 19 DF No.2 crushing capacity of 625 psi.
	Max Horiz 2=554 (LC 49)			
	Max Uplift 2=-155 (LC 46), 13=-172 (LC 47), 14=-1897 (LC 53), 15=-125 (LC 54), 16=-72 (LC 49), 17=-210 (LC 54), 18=-1502 (LC 54), 19=-1057 (LC 81), 20=-217 (LC 55), 24=-1444 (LC 54)			
	Max Grav 2=341 (LC 88), 13=225 (LC 52), 14=1727 (LC 46), 15=337 (LC 97), 16=329 (LC 96), 17=354 (LC 39), 18=1952 (LC 39), 19=326 (LC 55), 20=1381 (LC 81), 24=2064 (LC 39)			
FORCES	(lb) - Maximum Compression/Maximum Tension			

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-0-0 to 2-2-14, Interior (1) 2-2-14 to 32-4-10 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
- 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.



EXPIRES: 12/31/2024
June 21, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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Job 4070682	Truss A05	Truss Type GABLE	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993775
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:36
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Page: 2

- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 172 lb uplift at joint 13, 1897 lb uplift at joint 14, 155 lb uplift at joint 2, 1444 lb uplift at joint 24, 1502 lb uplift at joint 18, 217 lb uplift at joint 20, 125 lb uplift at joint 15, 72 lb uplift at joint 16, 210 lb uplift at joint 17 and 1057 lb uplift at joint 19.
- 13) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 14) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 21-9-0 to 32-4-10 for 456.8 plf.
- 15) 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.

LOAD CASE(S) Standard

⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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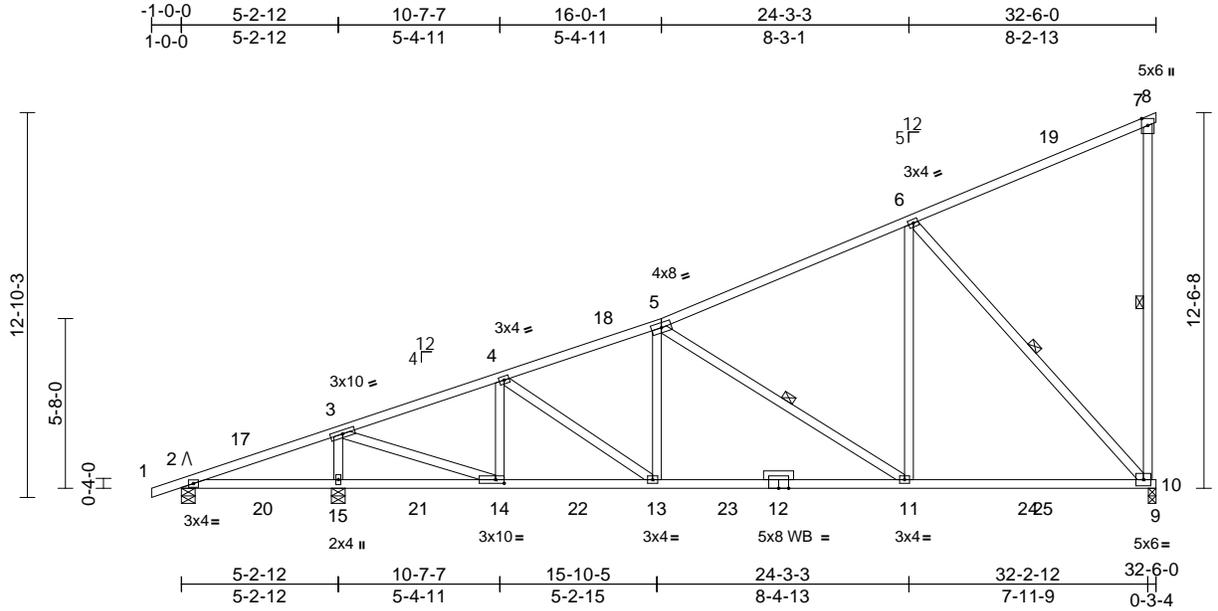
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Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss A06	Truss Type Roof Special	Qty 14	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993776
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:37
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Page: 1



Scale = 1:76.5

Plate Offsets (X, Y): [14:0-3-8,0-1-8]

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	0.67	Vert(LL)	-0.29	10-11	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.38	11-13	>857	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.03	10	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
												Weight: 179 lb FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x4 DF No.1&Btr
 WEBS 2x4 DF No.2 *Except* 7-10:2x4 DF No.1&Btr
 OTHERS 2x4 DF No.1&Btr

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-1-10 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 7-10, 5-11, 6-10

REACTIONS

(size) 2=0-5-8, 10=0-3-0, 15=0-5-8
 Max Horiz 15=400 (LC 13)
 Max Uplift 2=REL, 10=110 (LC 16), 15=107 (LC 12)
 Max Grav 2=303 (LC 42), 10=1257 (LC 5), 15=1669 (LC 5)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/20, 2-3=-411/438, 3-4=-1491/152, 4-5=-1621/261, 5-6=-1079/259, 6-7=-236/190, 7-8=-7/0, 7-10=-241/181
 BOT CHORD 2-15=-361/441, 14-15=-518/400, 13-14=-552/1337, 11-13=-497/1461, 10-11=-347/854, 9-10=0/0
 WEBS 3-15=-1464/467, 3-14=-466/1787, 4-14=-465/191, 4-13=-112/212, 5-13=0/278, 5-11=-724/179, 6-11=-31/738, 6-10=-1254/311

NOTES

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-0-0 to 2-3-0, Interior (1) 2-3-0 to 32-6-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- 7) All bearings are assumed to be DF No.1&Btr crushing capacity of 625 psi.
- 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 10 and 107 lb uplift at joint 15.
- 10) "A" indicates Released bearing: allow for upward movement at joint(s) 2.
- 11) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Roseville, CA 95661
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Job 4070682	Truss A06A	Truss Type Roof Special	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993777
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:37
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Page: 1

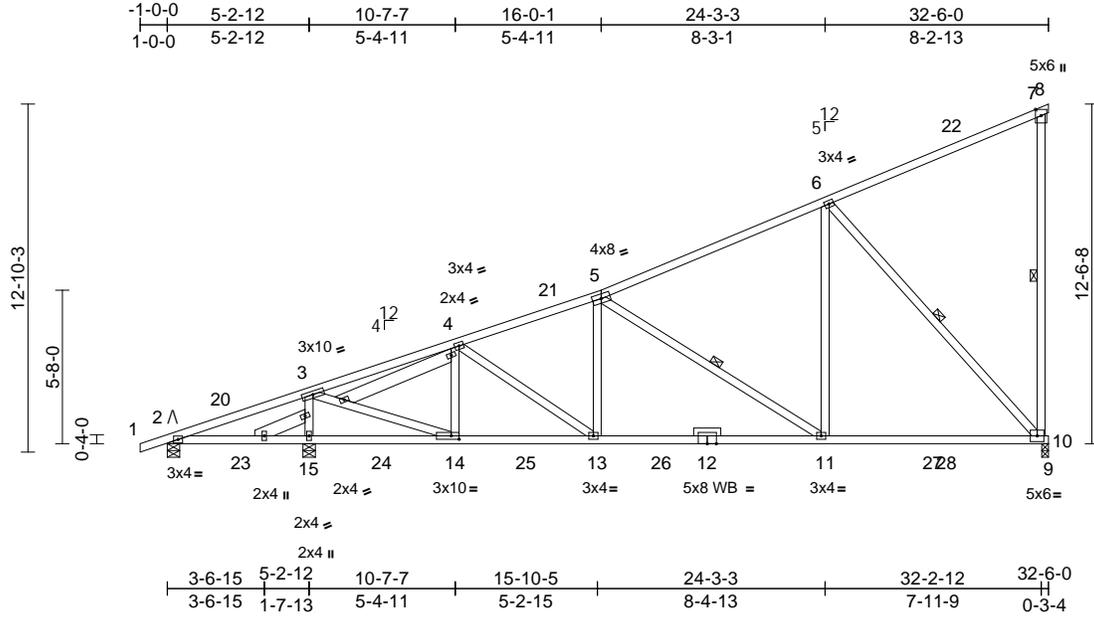


Plate Offsets (X, Y): [14:0-3-8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	-0.29	10-11	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.38	11-13	>857	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.03	10	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 193 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2 *Except* 7-10:2x4 DF No.1&Btr, 16-17,18-4:2x6 DF No.2
OTHERS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-10, 5-11, 6-10

REACTIONS (size) 2=0-5-8, 10=0-3-0, 15=0-5-8
Max Horiz 2=400 (LC 13)
Max Uplift 2=REL, 10=108 (LC 16), 15=107 (LC 16)
Max Grav 2=303 (LC 42), 10=1257 (LC 5), 15=1669 (LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/20, 2-3=-518/438, 3-4=-1518/152, 4-5=-1633/261, 5-6=-1083/259, 6-7=-236/190, 7-8=-7/0, 7-10=-241/181
BOT CHORD 2-15=-453/400, 14-15=-453/400, 13-14=-487/1337, 11-13=-464/1461, 10-11=-337/854, 9-10=0/0
WEBS 3-15=-1464/467, 3-14=-466/1787, 4-14=-465/191, 4-13=-112/212, 5-13=0/278, 5-11=-724/152, 6-11=-31/738, 6-10=-1254/297

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-0-0 to 2-3-0, Interior (1) 2-3-0 to 32-6-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- 7) All bearings are assumed to be DF No.1&Btr crushing capacity of 625 psi.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 108 lb uplift at joint 10 and 107 lb uplift at joint 15.
- 9) "A" indicates Released bearing: allow for upward movement at joint(s) 2.
- 10) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpin.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbccomponents.com)

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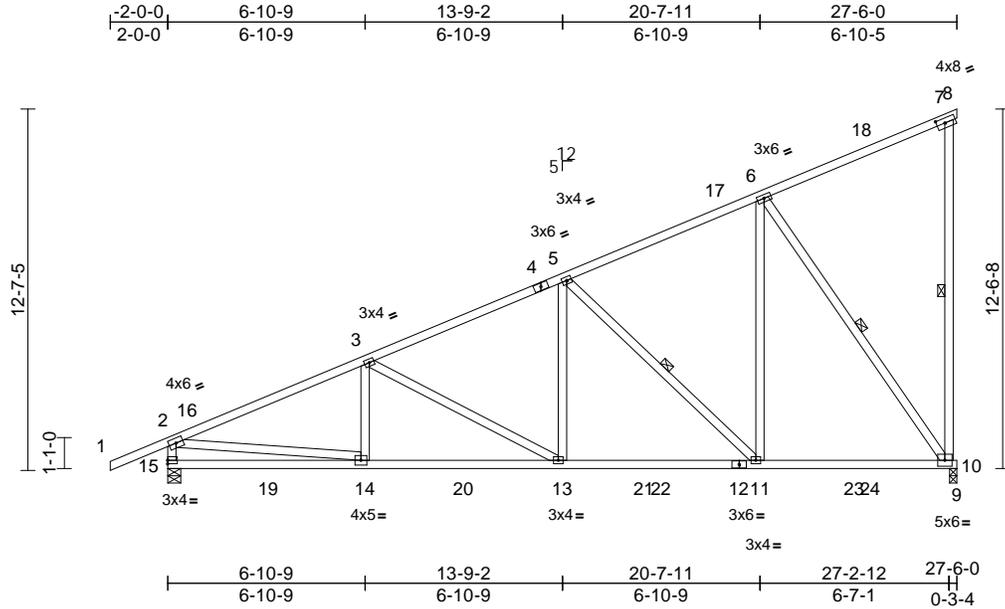
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Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss A07	Truss Type Monopitch	Qty 8	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993778
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:37
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Page: 1



Scale = 1:79.9

Plate Offsets (X, Y): [7:0-3-7,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	-0.18	13-14	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.25	13-14	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.04	10	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 169 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x4 DF No.1&Btr
 WEBS 2x4 DF No.2 *Except* 7-10:2x4 DF No.1&Btr

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-4-13 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 7-10, 5-11, 6-10

REACTIONS

(size) 10=0-3-0, 15=0-5-8
 Max Horiz 15=406 (LC 13)
 Max Uplift 10=-115 (LC 16), 15=-67 (LC 16)
 Max Grav 10=1537 (LC 5), 15=1396 (LC 5)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/58, 2-3=-2079/265, 3-5=-1626/271, 5-6=-948/251, 6-7=-217/197, 7-8=-12/0, 7-10=-363/117, 2-15=-1318/305
 BOT CHORD 14-15=-679/648, 13-14=-549/1849, 11-13=-408/1430, 10-11=-273/812, 9-10=0/0
 WEBS 3-14=-90/251, 3-13=-481/159, 5-13=-20/469, 5-11=-871/187, 6-11=-97/881, 6-10=-1391/238, 2-14=-187/1630

NOTES

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
 Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
 Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 27-6-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.

- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 19.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- 7) All bearings are assumed to be DF No.1&Btr crushing capacity of 625 psi.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 115 lb uplift at joint 10 and 67 lb uplift at joint 15.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
 June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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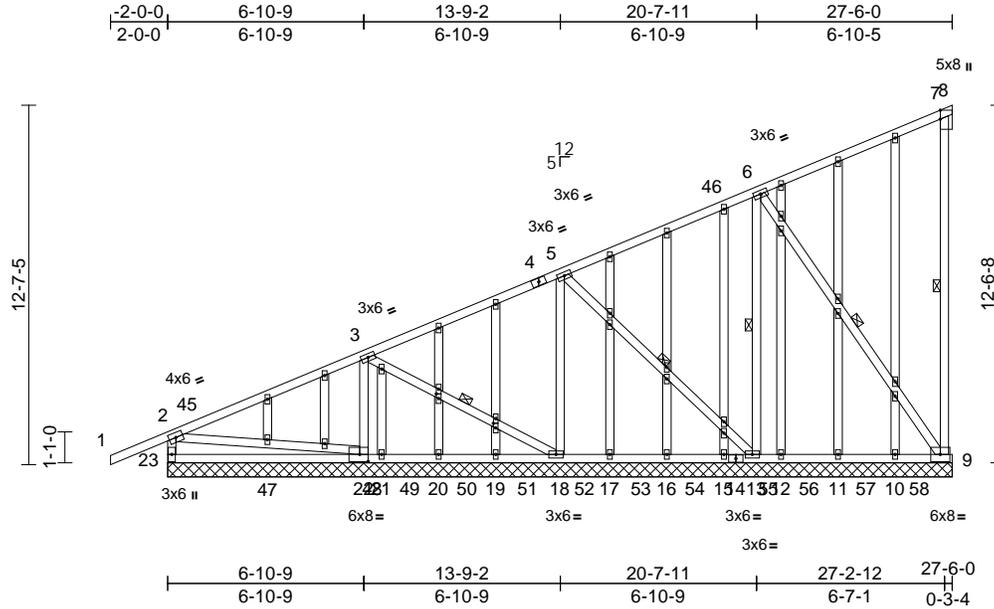
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 Roseville, CA 95661
 916.755.3571 / MiTek-US.com

Job 4070682	Truss A7A	Truss Type GABLE	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993779
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:34
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Page: 1



Scale = 1:80.4

Plate Offsets (X, Y): [7:0-3-13,Edge], [22:0-3-8,0-3-0], [36:0-1-15,0-1-0], [38:0-1-15,0-1-0]

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	0.82	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.55	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.99	Horz(CT)	-0.07	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
												Weight: 265 lb FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2 *Except* 7-9:2x4 DF No.1&Btr
OTHERS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-3-9 oc bracing.
WEBS 1 Row at midpt 7-9, 3-18, 5-13, 6-13, 6-9

REACTIONS (size)
8=27-6-0, 9=27-6-0, 10=27-6-0,
11=27-6-0, 12=27-6-0, 13=27-6-0,
15=27-6-0, 16=27-6-0, 17=27-6-0,
18=27-6-0, 19=27-6-0, 20=27-6-0,
21=27-6-0, 22=27-6-0, 23=27-6-0
Max Horiz 23=448 (LC 49)
Max Uplift 8=750 (LC 23), 9=1179 (LC 53),
10=96 (LC 46), 11=4 (LC 53),
12=24 (LC 89), 13=215 (LC 54),
15=18 (LC 84), 17=17 (LC 82),
18=617 (LC 54), 21=600 (LC 78),
22=949 (LC 54), 23=838 (LC 46)
Max Grav 8=348 (LC 52), 9=1591 (LC 38),
10=291 (LC 103), 11=293 (LC 102),
12=287 (LC 101), 13=544 (LC 23),
15=288 (LC 99), 16=294 (LC 98),
17=288 (LC 97), 18=836 (LC 39),
19=293 (LC 95), 20=299 (LC 94),
21=152 (LC 93), 22=1493 (LC 39),
23=1047 (LC 73)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=1792/1570, 3-5=2090/1848,
5-6=1910/1707, 6-7=1334/1179,
7-8=301/246, 7-9=1144/655,
2-23=1032/859

BOT CHORD 22-23=-1624/1018, 21-22=-811/449,
20-21=-688/362, 19-20=-680/362,
18-19=-1019/657, 17-18=-912/674,
16-17=-651/413, 15-16=-517/283,
13-15=-671/450, 12-13=-677/552,
11-12=-549/394, 10-11=-463/338,
9-10=-722/597
WEBS 3-22=-1413/1252, 3-18=-1432/1543,
5-18=-1412/1265, 5-13=-1258/1314,
6-13=-1128/1020, 6-9=-963/1020,
2-22=-1404/1650

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TC DL=6.0psf; BC DL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 27-6-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 19.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
9) Gable studs spaced at 2-0-0 oc.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- All bearings are assumed to be DF No.1&Btr crushing capacity of 625 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1179 lb uplift at joint 9, 949 lb uplift at joint 22, 617 lb uplift at joint 18, 215 lb uplift at joint 13, 838 lb uplift at joint 23, 750 lb uplift at joint 8, 96 lb uplift at joint 10, 4 lb uplift at joint 11, 24 lb uplift at joint 12, 18 lb uplift at joint 15, 17 lb uplift at joint 17 and 600 lb uplift at joint 21.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.



EXPIRES: 12/31/2024
June 21, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsc.com).

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Job 4070682	Truss A7A	Truss Type GABLE	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993779
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:34
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Page: 2

15) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 27-6-0 for 150.0 plf.

LOAD CASE(S) Standard

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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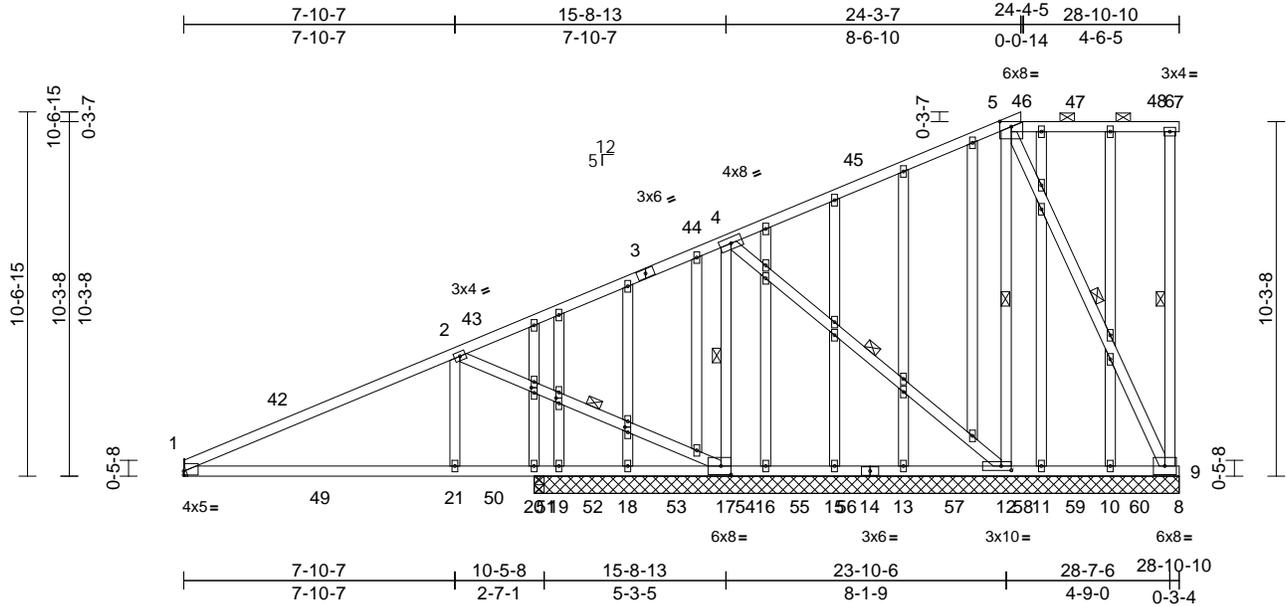
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Roseville, CA 95661
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Job 4070682	Truss A08	Truss Type GABLE	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2	R82993780
Job Reference (optional)						

ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 E Jan 19 2024 Print: 8.630 E Jan 19 2024 MiTek Industries, Inc. Thu Jun 20 13:00:10
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Page: 1



Job 4070682	Truss A08	Truss Type GABLE	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993780
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 E Jan 19 2024 Print: 8.630 E Jan 19 2024 MiTek Industries, Inc. Thu Jun 20 13:00:10
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Page: 2

15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 83 lb down and 57 lb up at 24-4-0 on top 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 (lb/ft)
Vert: 1-5=-70, 5-6=-70, 6-7=-70, 1-8=-16
Concentrated Loads (lb)
Vert: 46=-47

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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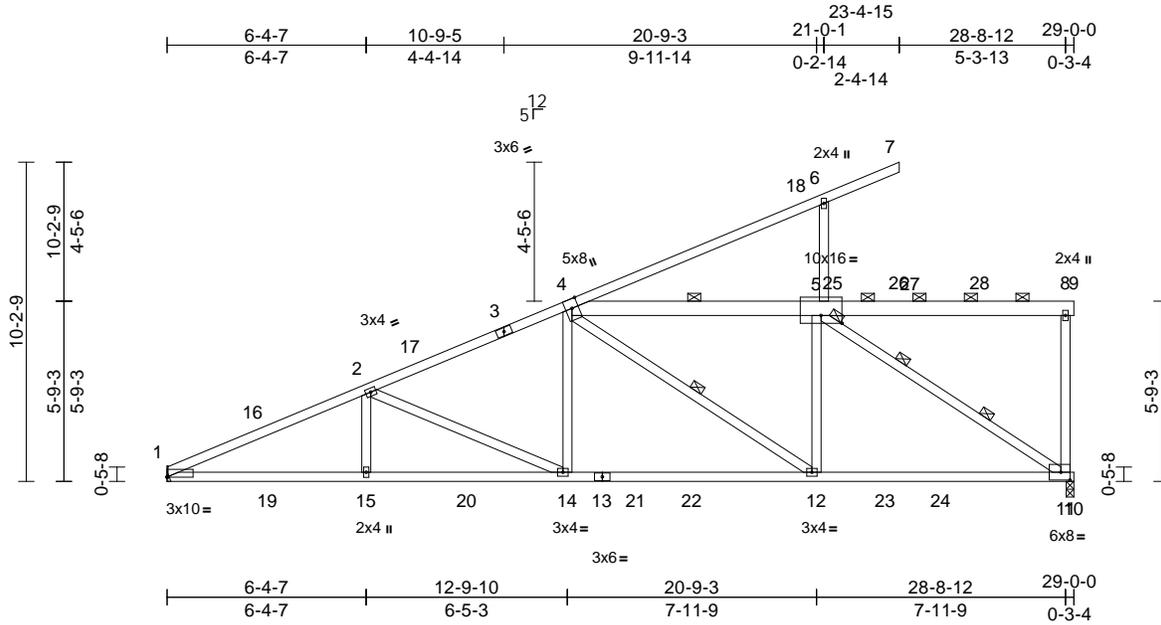
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Job 4070682	Truss A09	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993781
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:38
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Page: 1



Scale = 1:73.3

Plate Offsets (X, Y): [1:Edge,0-0-2], [5:0-8-0,0-3-0], [11:0-3-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.34	11-12	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.45	11-12	>766	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.10	11	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 170 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr *Except* 4-9:2x6 DF No.2
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-15 oc purlins, except 2-0-0 oc purlins (9-9-3 max.): 4-9. Except:
1 Row at midpt 4-5
BOT CHORD Rigid ceiling directly applied or 8-4-7 oc bracing.
WEBS 1 Row at midpt 4-12
WEBS 2 Rows at 1/3 pts 5-11

REACTIONS
(size) 1= Mechanical, 11=0-3-0
Max Horiz 1=267 (LC 16)
Max Uplift 1=-46 (LC 16), 11=-150 (LC 16)
Max Grav 1=1618 (LC 34), 11=1761 (LC 34)

FORCES
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3498/290, 2-4=-2829/242, 4-6=-274/233, 6-7=-127/20, 4-5=-2340/668, 5-8=0/0, 8-9=0/0
BOT CHORD 1-15=-618/3121, 14-15=-618/3121, 12-14=-486/2519, 11-12=-634/2287, 10-11=0/0
WEBS 8-11=-438/79, 2-15=0/369, 4-14=0/506, 2-14=-651/145, 4-12=-295/295, 5-12=-24/486, 5-11=-2761/766, 5-6=-793/499

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 23-4-15, Exterior(2R) 20-9-3 to 23-9-3, Interior (1) 23-9-3 to 29-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Bearings are assumed to be: , Joint 11 DF No.1&Btr crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 1 and 150 lb uplift at joint 11.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 113 lb down and 56 lb up at 23-4-15 on top chord. The design/selection of such connection device(s) is the responsibility of others.
 - 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
- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-70, 4-7=-70, 1-10=-16, 5-9=-70
Concentrated Loads (lb)
Vert: 7=-39 (B)



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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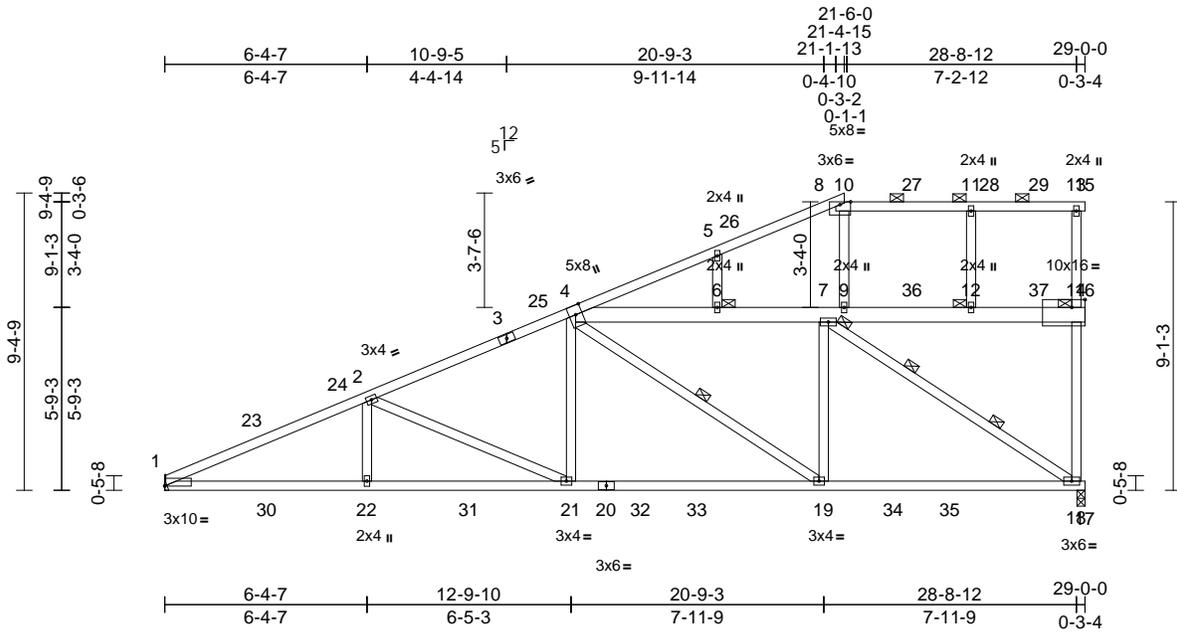
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Job 4070682	Truss A10	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993782
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:38
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Page: 1



Scale = 1:72.3
Plate Offsets (X, Y): [1:Edge,0-0-2], [14:0-5-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.34	18-19	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.45	18-19	>769	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.10	18	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 188 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr *Except* 4-16:2x6 DF 2400F 2.0E
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2
OTHERS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-2 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 8-15, 4-16.
BOT CHORD Rigid ceiling directly applied or 9-9-15 oc bracing.
WEBS 1 Row at midpt 4-19
WEBS 2 Rows at 1/3 pts 7-18
JOINTS 1 Brace at Jt(s): 7, 14, 6, 12

REACTIONS
(size) 1= Mechanical, 18=0-3-0
Max Horiz 1=244 (LC 74)
Max Uplift 1=66 (LC 16), 18=230 (LC 16)
Max Grav 1=1689 (LC 38), 18=2224 (LC 38)

FORCES
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3680/246, 2-4=-2902/208, 4-5=-120/99, 5-8=-79/83, 8-10=-93/31, 10-11=0/0, 11-13=0/0, 13-15=0/0, 4-6=-2321/320, 6-7=-2321/320, 7-9=0/0, 9-12=0/0, 12-14=0/0, 14-16=0/0
BOT CHORD 1-22=-460/3290, 21-22=-460/3290, 19-21=-342/2555, 18-19=-320/2321, 17-18=0/0
WEBS 14-18=-649/112, 2-22=0/369, 4-21=0/551, 2-21=-790/145, 4-19=-312/319, 7-19=-37/483, 7-18=-2803/386, 13-14=-287/51, 9-10=-587/142, 5-6=-445/119, 11-12=-649/118

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 21-1-2, Exterior(2E) 28-8-12 to 29-0-0, Interior (1) 21-1-2 to 29-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Bearings are assumed to be: , Joint 18 DF No.1&Btr crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 1 and 230 lb uplift at joint 18.

- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 203 lb down and 125 lb up at 21-5-10, 249 lb down and 93 lb up at 23-6-12, and 360 lb down and 110 lb up at 25-6-12, and 258 lb down and 96 lb up at 27-6-12 on top 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 (lb/ft)
Vert: 1-4=-70, 4-8=-70, 8-15=-70, 1-17=-16, 14-16=-70
Concentrated Loads (lb)
Vert: 10=-104, 31=-290, 27=-183, 29=-188



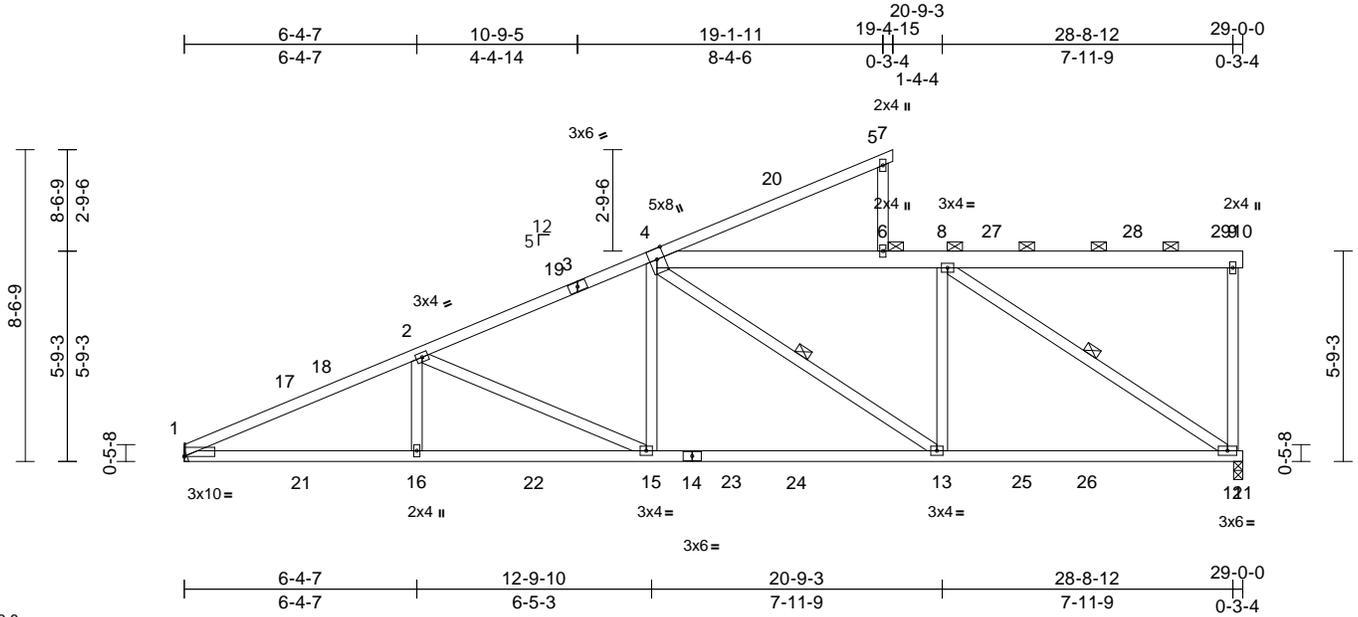
EXPIRES: 12/31/2024
June 21, 2024

Job 4070682	Truss A11	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993783
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:38
ID:7TFNBjDp2BPVmwBlyl0O?yBz?E-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWRcDoi7J4zJC?f

Page: 1



Scale = 1:62.8

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.34	12-13	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.45	12-13	>769	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.09	12	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 164 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr *Except* 4-10:2x6 DF No.2
 BOT CHORD 2x4 DF No.1&Btr
 WEBS 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-0-8 oc purlins, except 2-0-0 oc purlins (5-7-6 max.): 4-10.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-13, 8-12

REACTIONS

(size) 1= Mechanical, 12=0-3-0
 Max Horiz 1=226 (LC 66)
 Max Uplift 1=44 (LC 16), 12=72 (LC 13)
 Max Grav 1=1599 (LC 34), 12=1463 (LC 35)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-3435/253, 2-4=-2563/212, 4-5=-174/85, 5-7=-14/0, 4-6=-1690/270, 6-8=-1690/270, 8-9=0/0, 9-10=0/0
 BOT CHORD 1-16=-443/3060, 15-16=-443/3060, 13-15=-328/2242, 12-13=-270/1690, 11-12=0/0
 WEBS 9-12=-416/72, 2-16=0/369, 4-15=0/575, 2-15=-878/142, 4-13=-723/122, 8-13=0/680, 8-12=-2041/326, 5-6=-336/99

NOTES

1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 19-4-15, Exterior(2R) 19-1-11 to 22-1-11, Interior (1) 22-1-11 to 29-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Bearings are assumed to be: , Joint 12 DF No.1&Btr crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 12.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 1 and 72 lb uplift at joint 12.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 112 lb down and 115 lb up at 19-4-15 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 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

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

Uniform Loads (lb/ft)

Vert: 1-4=-70, 4-7=-70, 1-11=-16, 6-10=-70
 Concentrated Loads (lb)
 Vert: 5=-31 (B)



EXPIRES: 12/31/2024
 June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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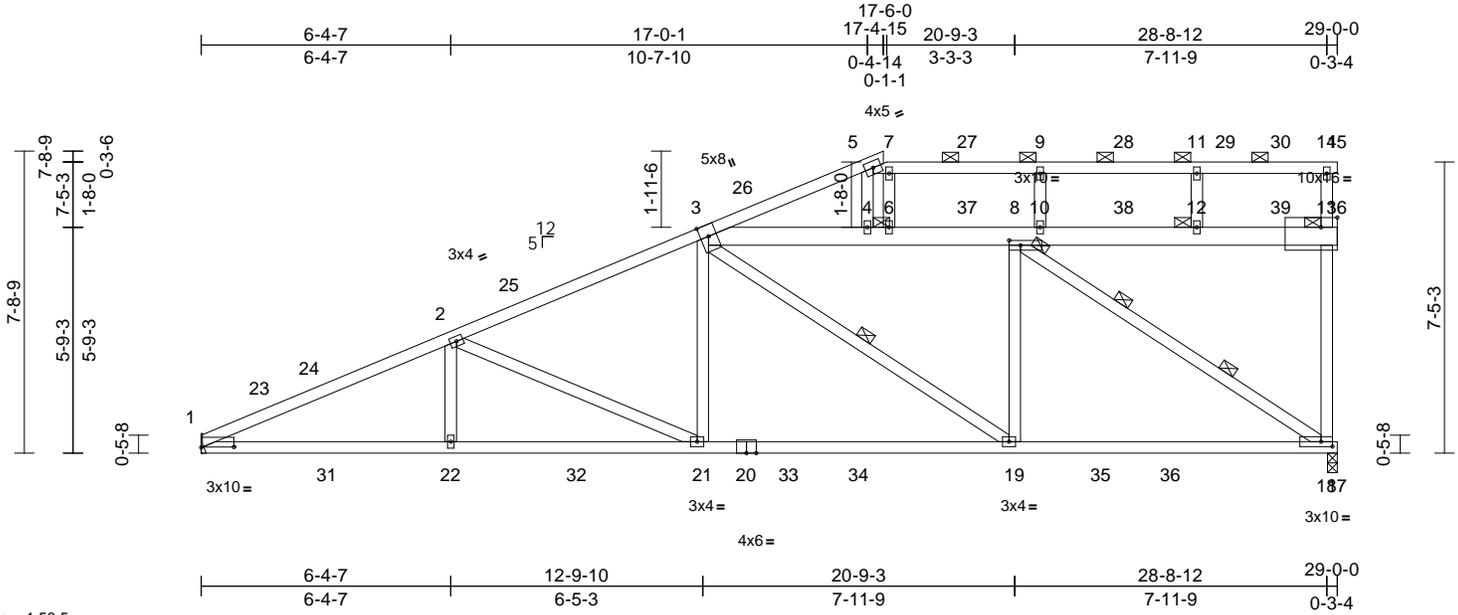
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 Roseville, CA 95661
 916.755.3571 / MiTek-US.com

Job 4070682	Truss A12	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993784
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:39
ID:7TFNBjDp2BPVmwBlyl0O?yBz?E-RFC?PsB70Hq3NSgPqnL8w3uITXbGKWRCoI7J4zJC?f

Page: 1



Scale = 1:58.5

Plate Offsets (X, Y): [1:0-10-0,0-0-2], [8:0-3-8,0-1-8], [13:0-5-0,0-3-0], [18:0-3-8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.34	18-19	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.45	18-19	>764	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.11	18	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 183 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr *Except* 3-16:2x6 DF 2400F 2.0E
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2
OTHERS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-5-11 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 5-15, 3-16.
BOT CHORD Rigid ceiling directly applied or 9-4-6 oc bracing.
WEBS 1 Row at midpt 3-19
WEBS 2 Rows at 1/3 pts 8-18
JOINTS 1 Brace at Jt(s): 8, 4, 13, 12

REACTIONS
(size) 1= Mechanical, 18=0-3-0
Max Horiz 1=197 (LC 16)
Max Uplift 1=-100 (LC 16), 18=-285 (LC 16)
Max Grav 1=1896 (LC 38), 18=2407 (LC 38)

FORCES
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4091/354, 2-3=-3130/321, 3-5=-118/68, 5-7=0/0, 7-9=0/0, 9-11=0/0, 11-14=0/0, 14-15=0/0, 3-4=-2575/381, 4-6=-2580/379, 6-8=-2580/379, 8-10=0/0, 10-12=0/0, 12-13=0/0, 13-16=0/0
BOT CHORD 1-22=-507/3643, 21-22=-507/3643, 19-21=-398/2770, 18-19=-379/2580, 17-18=0/0
WEBS 13-18=-608/128, 2-22=0/367, 3-21=0/593, 2-21=-938/155, 3-19=-368/489, 8-19=-135/462, 8-18=-3115/458, 4-5=-99/279, 13-14=-288/58, 6-7=-604/119, 9-10=-871/177, 11-12=-571/127

NOTES

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 17-1-13, Exterior(2E) 28-8-12 to 29-0-0, Interior (1) 17-1-13 to 29-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- 4) Unbalanced snow loads have been considered for this design.
- 5) Provide adequate drainage to prevent water ponding.
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 7) Gable studs spaced at 4-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- 10) Bearings are assumed to be ; Joint 18 DF No.1&Btr crushing capacity of 625 psi.
- 11) Refer to girder(s) for truss to truss connections.
- 12) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 18.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 1 and 285 lb uplift at joint 18.

- 14) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 133 lb down and 102 lb up at 17-5-10, 244 lb down and 93 lb up at 19-6-12, 338 lb down and 110 lb up at 21-6-12, 318 lb down and 111 lb up at 23-6-12, and 264 lb down and 111 lb up at 25-6-12, and 289 lb down and 103 lb up at 27-6-12 on top 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 (lb/ft)
Vert: 1-3=-70, 3-5=-70, 5-15=-10, 1-17=-16, 13-16=-70
Concentrated Loads (lb)



EXPIRES: 12/31/2024
June 21, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss A12	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993784
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:39
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Page: 2

Vert: 7=-34, 9=-268, 11=-194, 27=-178, 28=-248,
30=-219

⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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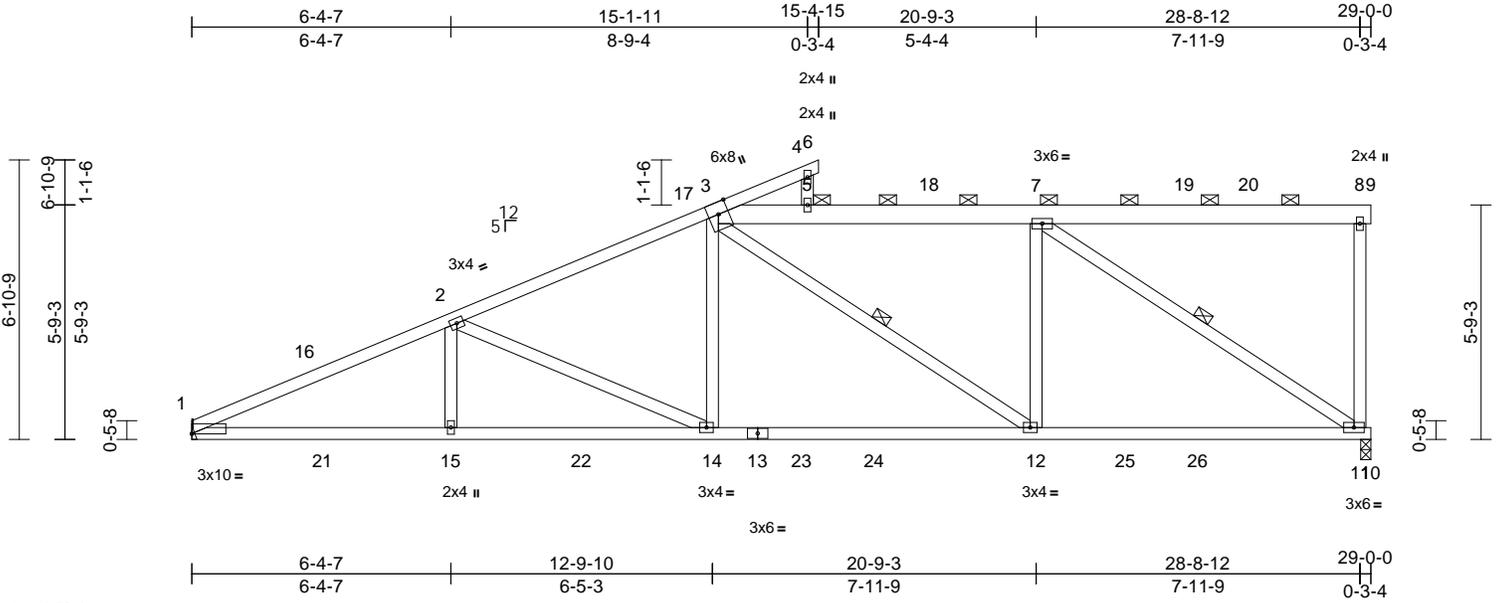
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Job 4070682	Truss A13	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993785
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:39
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Page: 1



Scale = 1:56.4

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.34	11-12	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.45	11-12	>769	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.09	11	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 155 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr *Except* 3-9:2x6 DF No.2
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-6 oc purlins, except 2-0-0 oc purlins (4-8-13 max.): 3-9.
BOT CHORD Rigid ceiling directly applied or 9-8-3 oc bracing.
WEBS 1 Row at midpt 3-12, 7-11

REACTIONS (size) 1= Mechanical, 11=0-3-0
Max Horiz 1=180 (LC 16)
Max Uplift 1=-72 (LC 16), 11=-111 (LC 13)
Max Grav 1=1731 (LC 34), 11=1701 (LC 33)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3556/340, 2-3=-2527/304, 3-4=-85/14, 4-6=-14/0, 3-5=-1865/269, 5-7=-1865/269, 7-8=0/0, 8-9=0/0
BOT CHORD 1-15=-474/3128, 14-15=-474/3128, 12-14=-366/2212, 11-12=-269/1865, 10-11=0/0
WEBS 8-11=-383/74, 2-15=0/367, 3-14=0/603, 2-14=-985/150, 3-12=-854/126, 7-12=0/742, 7-11=-2252/325, 4-5=-314/160

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 15-4-15, Exterior(2R) 15-1-11 to 18-1-11, Interior (1) 18-1-11 to 29-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- Bearings are assumed to be: , Joint 11 DF No.1&Btr crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 1 and 111 lb uplift at joint 11.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 296 lb down and 178 lb up at 15-4-15 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 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 (lb/ft)
Vert: 1-3=-70, 3-6=-70, 5-9=-70, 1-10=-16
Concentrated Loads (lb)
Vert: 4=-215 (B)



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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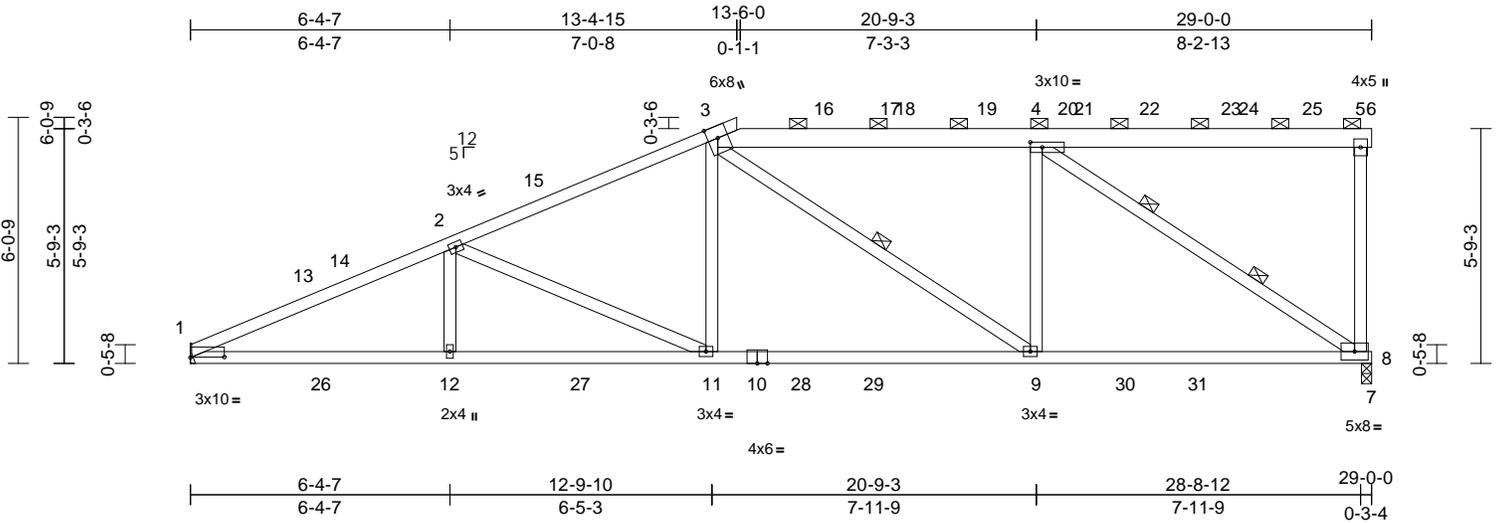
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Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss A14	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993786
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:39
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Page: 1



Scale = 1:56.3

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.27	8-9	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.38	9-11	>906	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.12	8	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 151 lb	FT = 20%

- LUMBER**
TOP CHORD 2x4 DF No.1&Btr *Except* 3-6:2x6 DF No.2
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2
- BRACING**
TOP CHORD Structural wood sheathing directly applied or 2-3-3 oc purlins, except end verticals, and 2-0-0 oc purlins (2-2-0 max.): 3-6.
BOT CHORD Rigid ceiling directly applied or 8-3-12 oc bracing.
WEBS 1 Row at midpt 3-9
WEBS 2 Rows at 1/3 pts 4-8
- REACTIONS** (size) 1= Mechanical, 8=0-3-0
Max Horiz 1=175 (LC 13)
Max Uplift 1=147 (LC 16), 8=332 (LC 13)
Max Grav 1=2000 (LC 34), 8=2279 (LC 34)
- FORCES** (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4225/495, 2-3=-3198/455,
3-4=-2646/488, 4-5=-118/116, 5-6=0/0,
5-8=-475/141
BOT CHORD 1-12=-651/3743, 11-12=-651/3743,
9-11=-527/2825, 8-9=-506/2646, 7-8=0/0
WEBS 2-12=0/365, 2-11=-986/180, 3-11=-4/613,
3-9=-347/276, 4-9=-57/439, 4-8=-3149/525
- NOTES**
1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C
Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to
12-11-6, Exterior(2R) 12-11-6 to 17-2-5, Interior (1)
17-2-5 to 29-0-0 zone; cantilever left and right exposed ;
end vertical left and right exposed;C-C for members and
forces & MWFRS for reactions shown; Lumber
DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
 - Unbalanced snow loads have been considered for this design.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
 - Bearings are assumed to be: , Joint 8 DF No.1&Btr crushing capacity of 625 psi.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 8.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 147 lb uplift at joint 1 and 332 lb uplift at joint 8.
 - This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 244 lb down and 93 lb up at 15-6-12, 338 lb down and 110 lb up at 17-6-12, 304 lb down and 111 lb up at 19-6-12, 241 lb down and 111 lb up at 21-6-12, 214 lb down and 111 lb up at 23-6-12, and 210 lb down and 111 lb up at 25-6-12, and 224 lb down and 111 lb up at 27-6-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- LOAD CASE(S)** Standard
- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-70, 3-5=-70, 5-6=-70, 1-7=-16
Concentrated Loads (lb)
Vert: 16=-178, 18=-268, 19=-234, 20=-171, 22=-144,
23=-140, 25=-154



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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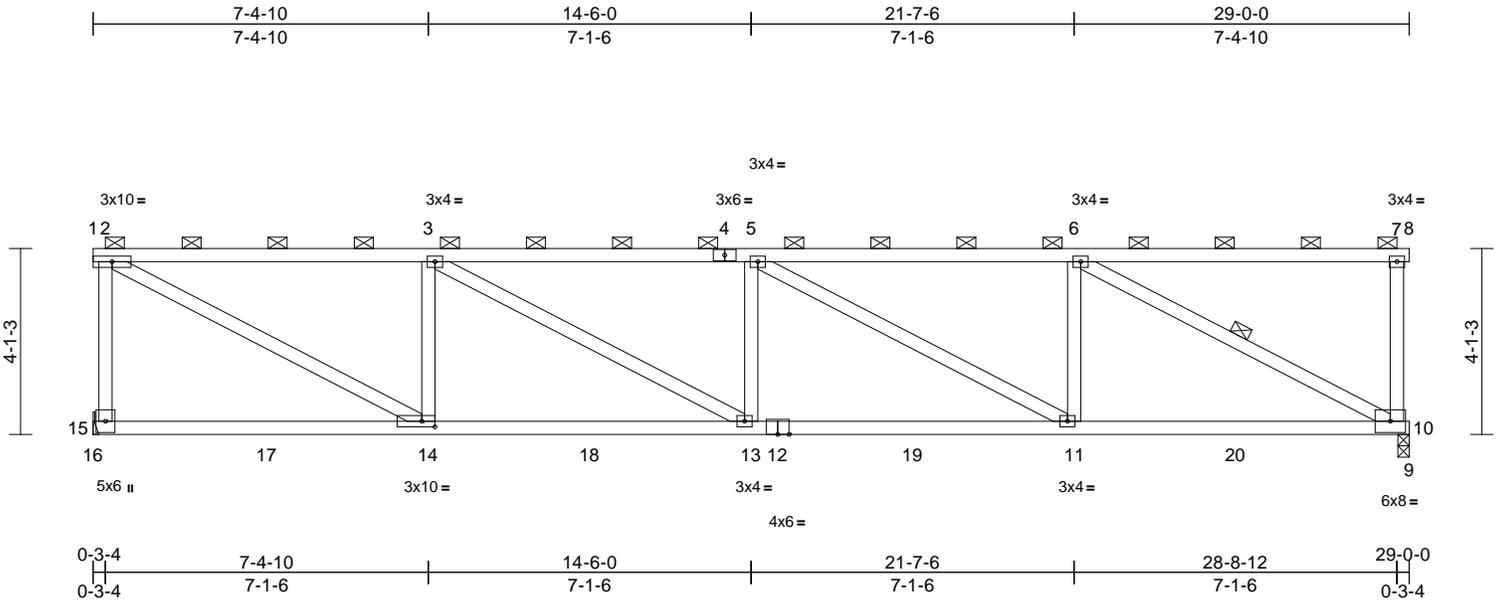
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Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss A15	Truss Type Flat	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993787
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:39
ID:7TFNBjDp2BPVvmWblyl0O?yBz?E-RFC?PsB70Hq3NSgPqnL8w3uITXbGKWRCDoi7J4zJC?f

Page: 1



Scale = 1:50.5

Plate Offsets (X, Y): [14:0-3-8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.21	13-14	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.32	11-13	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.05	10	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 144 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

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

REACTIONS
(size) 10=0-3-0, 15= Mechanical
Max Horiz 15=-112 (LC 8)
Max Uplift 10=-92 (LC 9), 15=-92 (LC 8)
Max Grav 10=1247 (LC 1), 15=1247 (LC 1)

FORCES
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-15=-1184/561, 1-2=0/0, 2-3=-1812/822, 3-5=-2368/1028, 5-6=-1813/822, 6-7=-103/101, 7-8=0/0, 7-10=-244/162
BOT CHORD 15-16=0/0, 14-15=-201/214, 13-14=-920/1812, 11-13=-1127/2368, 10-11=-858/1813, 9-10=0/0
WEBS 2-14=-888/1990, 3-14=-827/501, 3-13=-306/631, 5-13=-184/208, 6-11=-62/464, 5-11=-630/306, 6-10=-1991/888

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: , Joint 10 DF No.1&Btr crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 92 lb uplift at joint 15 and 92 lb uplift at joint 10.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 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

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60



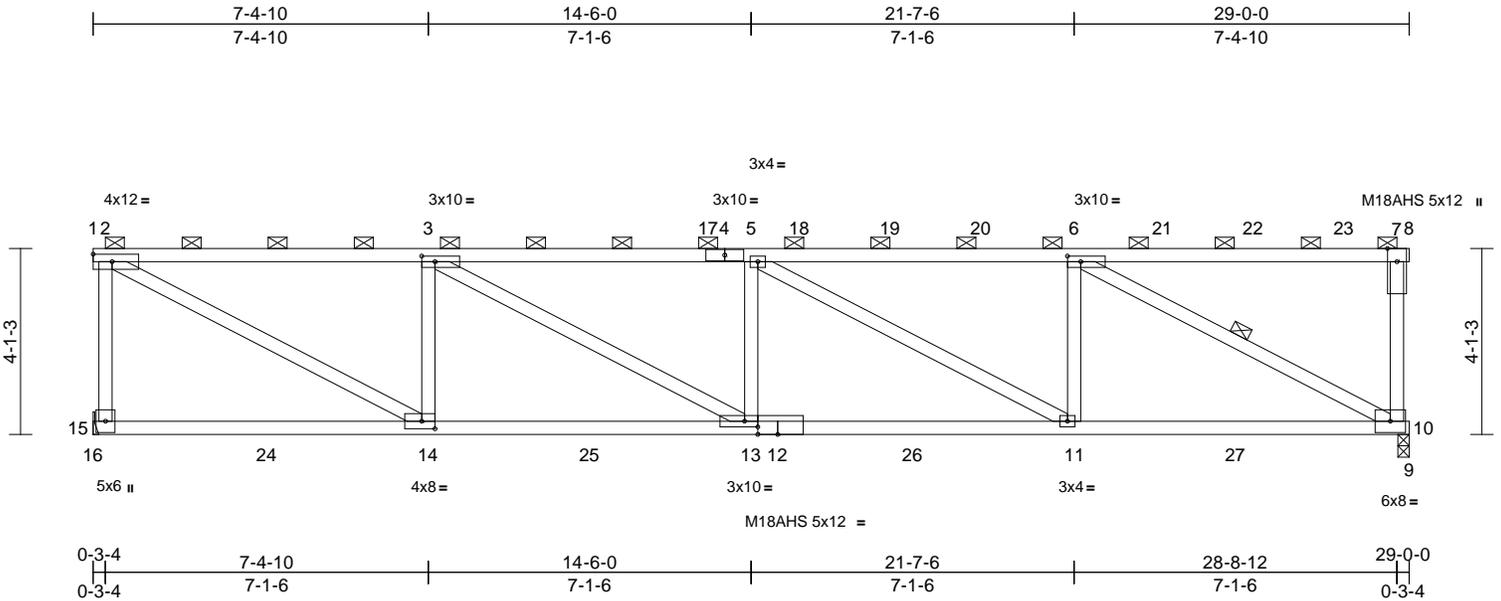
EXPIRES: 12/31/2024
June 21, 2024

Job 4070682	Truss A16	Truss Type Flat	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993788
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:39
ID:7TFNBjDp2BPVmwByl10O?yBz?E-RFC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:50.5
Plate Offsets (X, Y): [3:0-3-8,0-1-8], [6:0-3-8,0-1-8], [12:0-5-4,Edge], [13:0-3-8,0-1-8], [14:0-3-8,0-2-0]

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	0.97	Vert(LL)	-0.23	11-13	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.36	11-13	>941	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.09	10	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
											Weight: 144 lb	FT = 20%

- LUMBER**
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2
- BRACING**
TOP CHORD 2-0-0 oc purlins (2-2-0 max.): 1-8, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-6-8 oc bracing.
WEBS 1 Row at midpt 6-10
- REACTIONS**
(size) 10=0-3-0, 15= Mechanical
Max Horiz 15=-112 (LC 10)
Max Uplift 10=-375 (LC 11), 15=-205 (LC 10)
Max Grav 10=2166 (LC 1), 15=1689 (LC 1)
- FORCES**
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-15=-1624/542, 1-2=0/0, 2-3=-2633/786, 3-5=-4025/956, 5-6=-3184/753, 6-7=-112/99, 7-8=0/0, 7-10=-446/149
BOT CHORD 15-16=0/0, 14-15=-200/214, 13-14=-885/2633, 11-13=-1054/4025, 10-11=-789/3184, 9-10=0/0
WEBS 2-14=-848/2916, 3-14=-1265/482, 3-13=-306/1606, 5-13=-644/209, 5-11=-953/301, 6-11=-61/554, 6-10=-3496/814
- NOTES**
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Bearings are assumed to be: , Joint 10 DF No.1&Btr crushing capacity of 625 psi.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 205 lb uplift at joint 15 and 375 lb uplift at joint 10.
 - This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 289 lb down and 110 lb up at 13-6-12, 252 lb down and 111 lb up at 15-6-12, 189 lb down and 111 lb up at 17-6-12, 159 lb down and 111 lb up at 19-6-12, 158 lb down and 111 lb up at 21-6-12, 158 lb down and 111 lb up at 23-6-12, and 158 lb down and 111 lb up at 25-6-12, and 160 lb down and 111 lb up at 27-6-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- LOAD CASE(S)** Standard
- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-70, 2-7=-70, 7-8=-70, 9-16=-16
Concentrated Loads (lb)
Vert: 6=-138, 17=-269, 18=-232, 19=-169, 20=-139, 21=-138, 22=-138, 23=-140



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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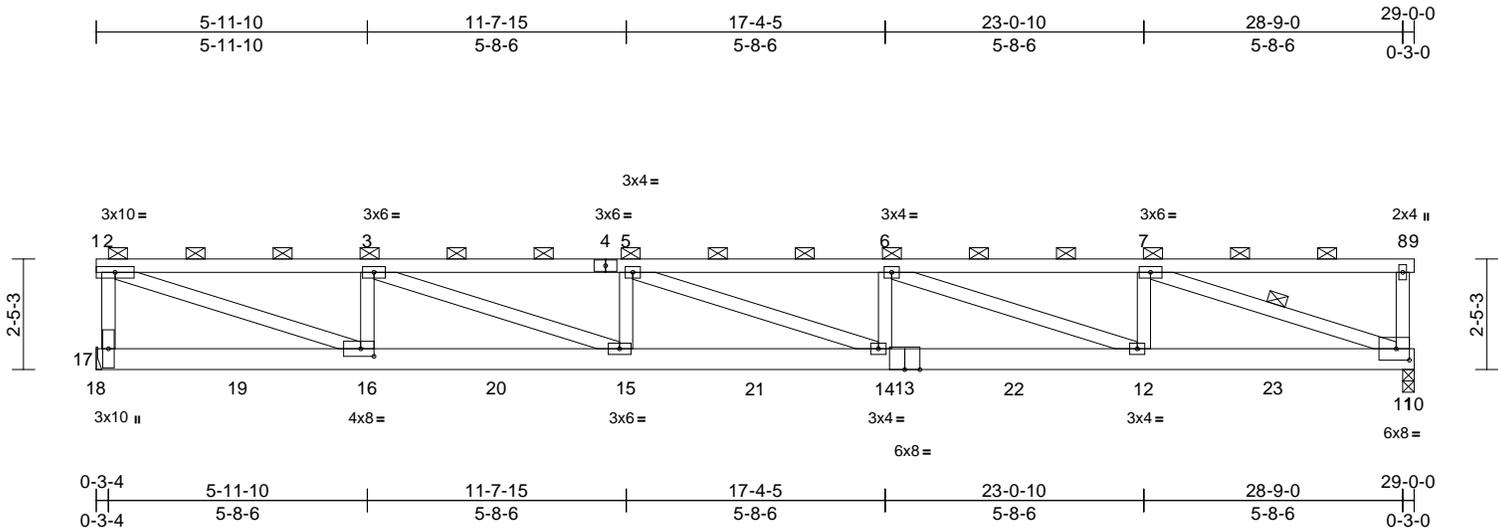
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Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss A16A	Truss Type Flat	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993789
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:40
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Page: 1



Scale = 1:50.4

Plate Offsets (X, Y): [11:0-3-8,0-3-0], [16:0-3-8,0-2-0]

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	0.46	Vert(LL)	-0.30	14-15	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.52	14-15	>662	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.07	11	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
											Weight: 153 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x6 DF No.2
WEBS 2x4 DF No.2

BRACING
TOP CHORD 2-0-0 oc purlins (2-11-11 max.): 1-9, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-10-15 oc bracing.
WEBS 1 Row at midpt 7-11

REACTIONS
(size) 11=0-3-0, 17= Mechanical
Max Horiz 17=-48 (LC 10)
Max Uplift 11=-86 (LC 9), 17=-85 (LC 8)
Max Grav 11=1246 (LC 1), 17=1248 (LC 1)

FORCES
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-17=-1171/542, 1-2=0/0, 2-3=-2764/1215,
3-5=-4110/1785, 5-6=-4102/1773,
6-7=-2792/1205, 7-8=0/0, 8-9=0/0
BOT CHORD 17-18=0/0, 16-17=-98/117,
15-16=-1215/2764, 14-15=-1785/4110,
12-14=-1773/4102, 11-12=-1205/2792,
10-11=0/0
WEBS 8-11=-180/117, 2-16=-1199/2814,
3-16=-892/485, 3-15=-621/1432,
5-15=-395/264, 5-14=-296/289, 6-14=0/240,
6-12=-1393/605, 7-12=-137/562,
7-11=-2969/1281

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: , Joint 11 DF No.2 crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 85 lb uplift at joint 17 and 86 lb uplift at joint 11.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 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

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C
Corner (3) zone; cantilever left and right exposed ; end
vertical left and right exposed;C-C for members and
forces & MWFRS for reactions shown; Lumber
DOL=1.60 plate grip DOL=1.60



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job 4070682	Truss A17	Truss Type Flat Girder	Qty 1	Ply 2	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993790
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 2

Vert: 18=-261 (B), 15=-253 (B), 14=-142 (B), 6=-118,
19=-155, 20=-127, 21=-118, 22=-118, 23=-118,
24=-113, 25=-138, 26=-253 (B), 28=-253 (B),
29=-253 (B), 30=-253 (B), 32=-253 (B), 33=-26 (B),
35=-26 (B), 36=-142 (B), 38=-142 (B), 39=-142 (B),
40=-138 (B), 42=-226 (B)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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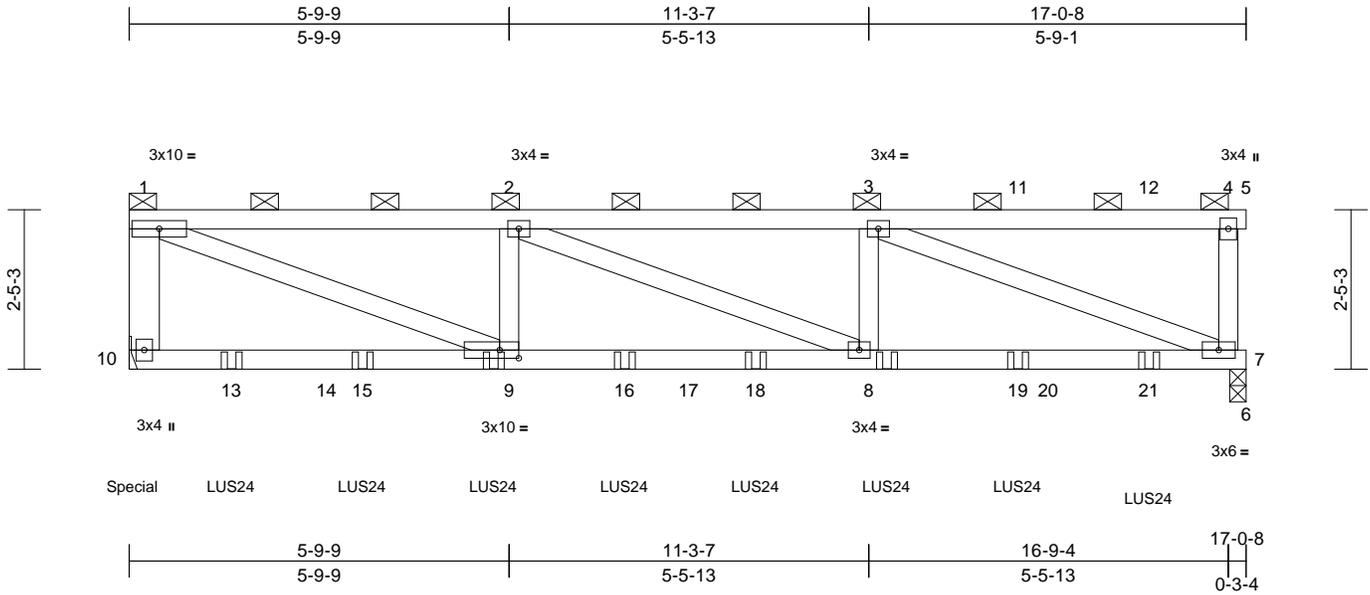
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Roseville, CA 95661
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Job 4070682	Truss A28	Truss Type Flat Girder	Qty 1	Ply 2	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993791
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:41
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Page: 1



Scale = 1:35
Plate Offsets (X, Y): [9:0-3,8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.11	8-9	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.16	8-9	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.38	Horz(CT)	0.02	7	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 160 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2 *Except* 10-1:2x6 DF No.2

BRACING
TOP CHORD 2-0-0 oc purlins (6-0-0 max.): 1-5, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 7=0-3-0, 10= Mechanical
Max Horiz 10=63 (LC 10)
Max Uplift 7=293 (LC 11), 10=302 (LC 10)
Max Grav 7=1605 (LC 1), 10=1959 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-10=-1385/596, 1-2=-3244/1186,
2-3=-3125/1130, 3-4=-153/94, 4-5=0/0,
4-7=-378/170
BOT CHORD 9-10=-156/159, 8-9=-1242/3244,
7-8=-1161/3125, 6-7=0/0
WEBS 1-9=-1213/3306, 2-9=-348/348,
2-8=-240/217, 3-8=-78/639, 3-7=-3191/1161

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, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Web 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.

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: , Joint 7 DF No.1&Btr crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 10 and 293 lb uplift at joint 7.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 1-6-12 from the left end to 15-6-12 to connect truss(es) to front face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 175 lb down and 117 lb up at 13-6-12, and 147 lb down and 118 lb up at 15-6-12 on top chord, and 263 lb down and 44 lb up at 0-2-12 on bottom chord. The design/ selection of such connection device(s) is the responsibility of others.
- LOAD CASE(S)** Standard
- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-70, 4-5=-70, 6-10=-16
Concentrated Loads (lb)
Vert: 10=-263 (F), 9=-253 (F), 8=-253 (F), 11=-155, 12=-127, 13=-253 (F), 15=-253 (F), 16=-253 (F), 18=-253 (F), 19=-26 (F), 21=-26 (F)



EXPIRES: 12/31/2024
June 21, 2024

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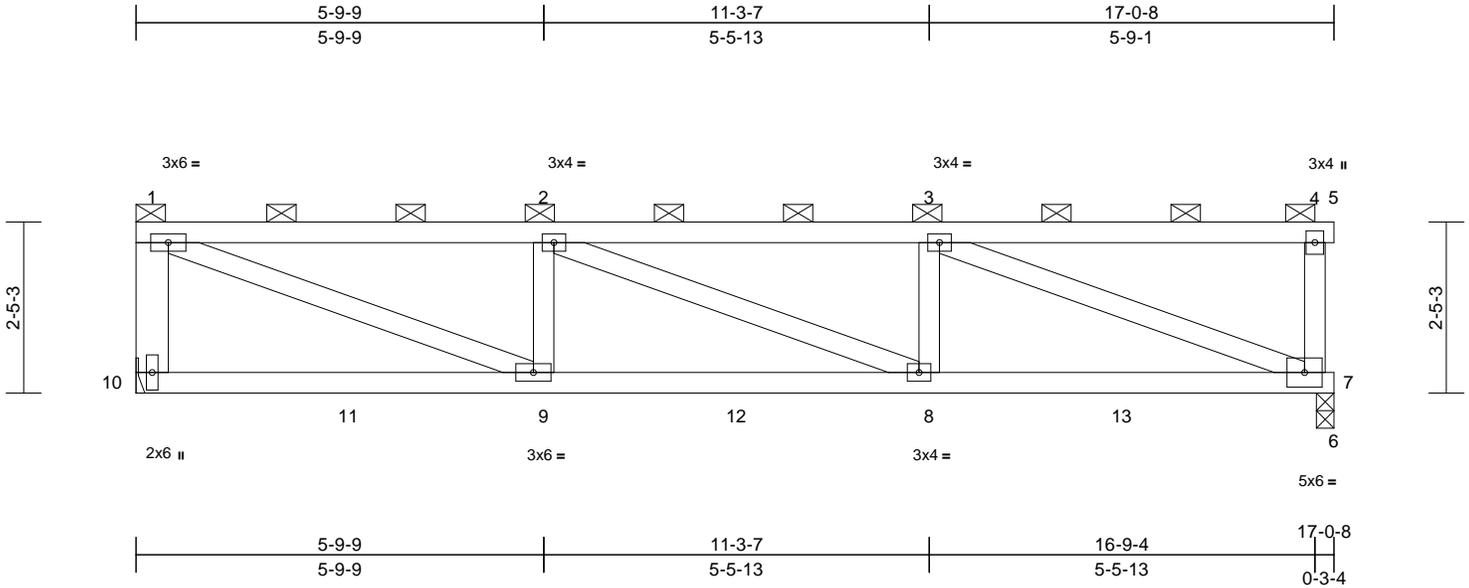
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Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss A29	Truss Type	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993792
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:41
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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	0.31	Vert(LL)	-0.11	8-9	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.16	8-9	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.02	7	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0										Weight: 80 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2 *Except* 10-1:2x6 DF No.2

BRACING
TOP CHORD 2-0-0 oc purlins (5-6-4 max.): 1-5, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-2-2 oc bracing.

REACTIONS (size) 7=0-3-0, 10= Mechanical
Max Horiz 10=63 (LC 13)
Max Uplift 7=-53 (LC 11), 10=-53 (LC 10)
Max Grav 7=735 (LC 1), 10=711 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-10=-664/461, 1-2=-1321/823,
2-3=-1305/813, 3-4=-100/90, 4-5=0/0,
4-7=-202/175
BOT CHORD 9-10=-139/139, 8-9=-878/1321,
7-8=-845/1305, 6-7=0/0
WEBS 1-9=-843/1344, 2-9=-395/363, 2-8=-238/219,
3-8=0/262, 3-7=-1316/825

- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Bearings are assumed to be: , Joint 7 DF No.1&Btr crushing capacity of 625 psi.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 10 and 53 lb uplift at joint 7.
 - This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
 - 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

- NOTES**
- Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



EXPIRES: 12/31/2024
June 21, 2024

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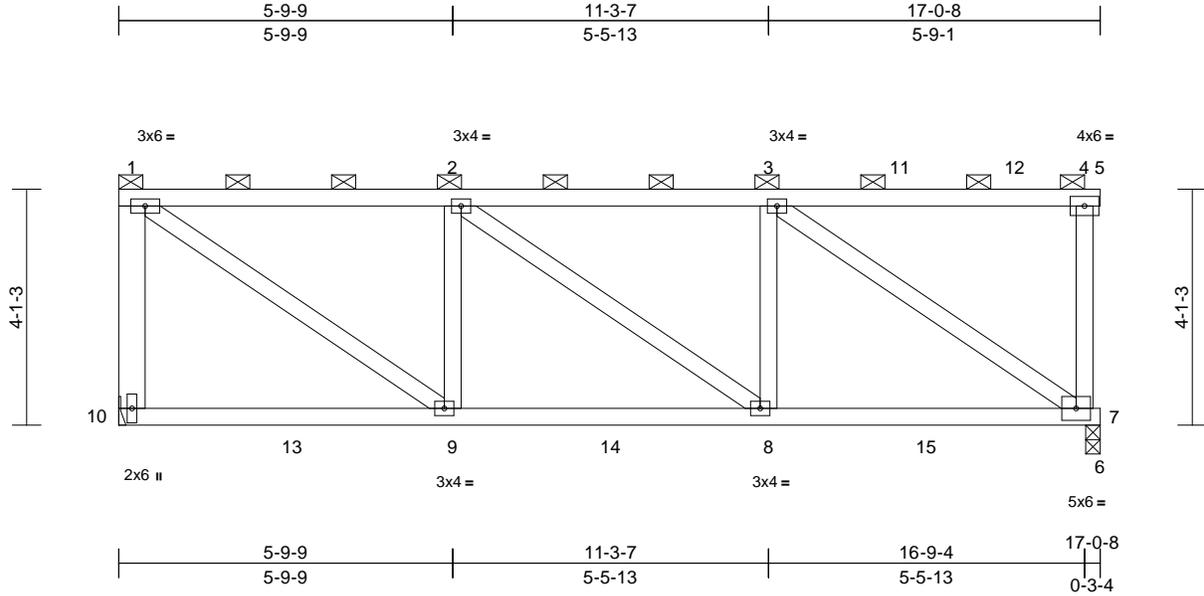
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Roseville, CA 95661
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Job 4070682	Truss A29A	Truss Type Flat Girder	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993793
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:41
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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.09	8-9	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.12	8-9	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.01	7	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 93 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x4 DF No.1&Btr
 WEBS 2x4 DF No.2 *Except* 10-1:2x6 DF No.2

BRACING

TOP CHORD 2-0-0 oc purlins (6-0-0 max.): 1-5, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-9-4 oc bracing.

REACTIONS

(size) 7=0-3-0, 10= Mechanical
 Max Horiz 10=112 (LC 13)
 Max Uplift 7=-147 (LC 11), 10=-75 (LC 10)
 Max Grav 7=1166 (LC 1), 10=780 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-10=-737/480, 1-2=-838/487, 2-3=-986/479, 3-4=-94/93, 4-5=0/0, 4-7=-480/161
 BOT CHORD 9-10=-195/199, 8-9=-586/838, 7-8=-535/986, 6-7=0/0
 WEBS 1-9=-577/974, 2-9=-456/386, 2-8=-126/196, 3-8=-35/248, 3-7=-1105/571

NOTES

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
 Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- 3) Provide adequate drainage to prevent water ponding.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 6) Bearings are assumed to be: , Joint 7 DF No.1&Btr crushing capacity of 625 psi.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 10 and 147 lb uplift at joint 7.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 289 lb down and 110 lb up at 13-6-12, and 252 lb down and 111 lb up at 15-6-12 on top 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 (lb/ft)
 Vert: 1-4=-70, 4-5=-70, 6-10=-16
 Concentrated Loads (lb)
 Vert: 11=-269, 12=-232



EXPIRES: 12/31/2024
 June 21, 2024

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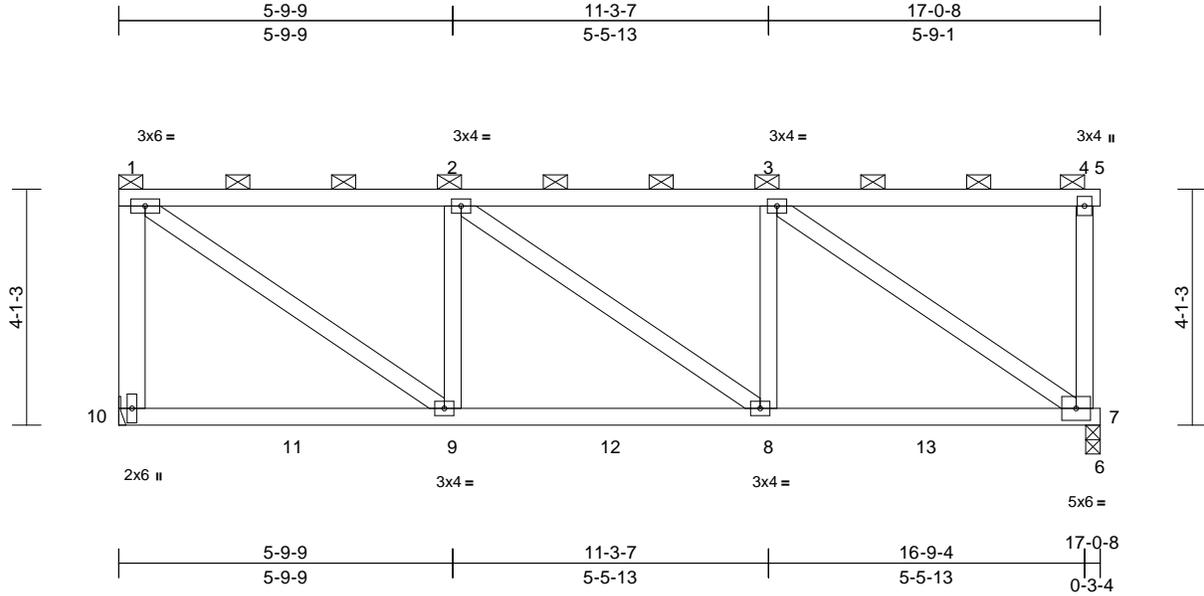
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 Roseville, CA 95661
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Job 4070682	Truss A30	Truss Type	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993794
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ProBuild West (Closed), Beaverton, OR - 97005,

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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.09	8-9	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.12	8-9	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.01	7	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 93 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x4 DF No.1&Btr
 WEBS 2x4 DF No.2 *Except* 10-1:2x6 DF No.2

BRACING

TOP CHORD 2-0-0 oc purlins (6-0-0 max.): 1-5, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-9-0 oc bracing.

REACTIONS

(size) 7=0-3-0, 10= Mechanical
 Max Horiz 10=112 (LC 13)
 Max Uplift 7=-62 (LC 11), 10=-62 (LC 20)
 Max Grav 7=735 (LC 1), 10=711 (LC 2)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-10=-668/482, 1-2=-749/490, 2-3=-743/487,
 3-4=-88/95, 4-5=0/0, 4-7=-192/171
 BOT CHORD 9-10=-195/199, 8-9=-589/749, 7-8=-543/743,
 6-7=0/0
 WEBS 1-9=-580/870, 2-9=-400/388, 2-8=-154/145,
 3-8=0/266, 3-7=-867/578

NOTES

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
 Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
 Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C
 Corner (3) zone; cantilever left and right exposed ; end
 vertical left and right exposed; C-C for members and
 forces & MWFRS for reactions shown; Lumber
 DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate
 DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9;
 Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load
 applied where required.
- 3) Provide adequate drainage to prevent water ponding.
- 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
 3-06-00 tall by 2-00-00 wide will fit between the bottom
 chord and any other members.
- 6) Bearings are assumed to be: , Joint 7 DF No.1&Btr
 crushing capacity of 625 psi.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to
 bearing plate capable of withstanding 62 lb uplift at joint
 10 and 62 lb uplift at joint 7.
- 9) This truss has been designed for a moving concentrated
 load of 250.0lb live and 10.0lb dead located at all mid
 panels and at all panel points along the Bottom Chord,
 nonconcurrent with any other live loads.
- 10) 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



EXPIRES: 12/31/2024
 June 21, 2024

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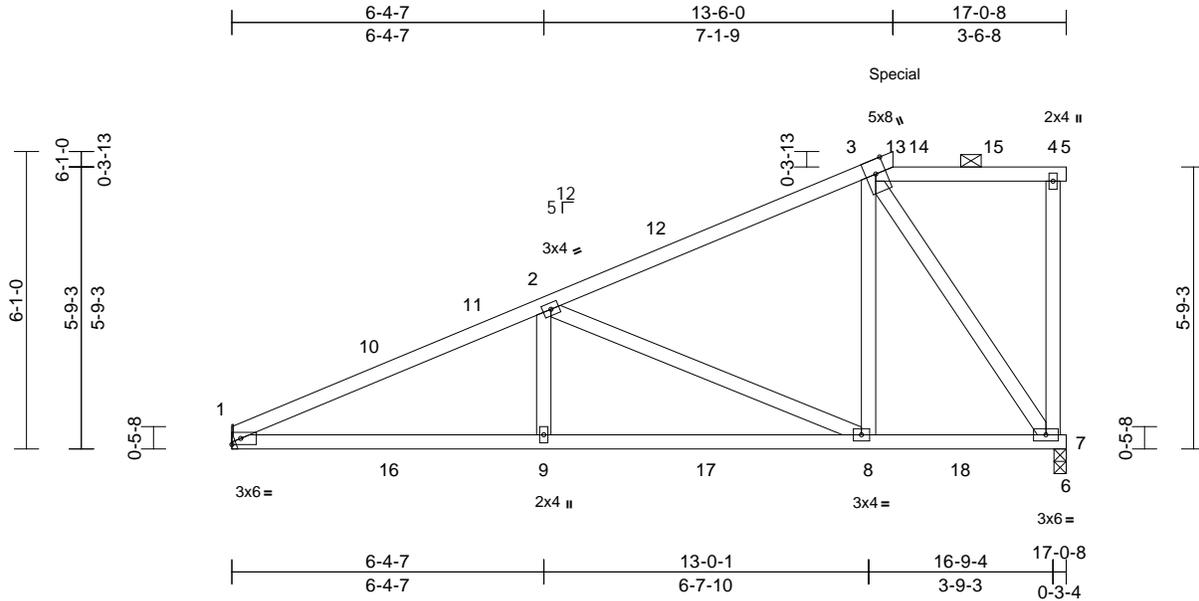
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 Roseville, CA 95661
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Job 4070682	Truss A31	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993795
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



Scale = 1:46.8

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.15	8-9	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.19	8-9	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.03	7	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 84 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(size) 1= Mechanical, 7=0-3-0
Max Horiz 1=178 (LC 13)
Max Uplift 1=44 (LC 16), 7=96 (LC 16)
Max Grav 1=1108 (LC 34), 7=1196 (LC 34)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2063/222, 2-3=-865/157, 3-4=-103/112, 4-5=0/0, 4-7=-306/74
BOT CHORD 1-9=-366/1771, 8-9=-366/1771, 7-8=-195/642, 6-7=0/0
WEBS 2-9=0/376, 2-8=-1210/191, 3-8=-28/550, 3-7=-1142/222

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 13-1-13, Exterior(2E) 13-1-13 to 17-0-8 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.

- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: Joint 7 DF No.1&Btr crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 1 and 96 lb uplift at joint 7.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 159 lb down and 55 lb up at 13-6-12, and 244 lb down and 93 lb up at 15-6-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 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

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-70, 3-4=-70, 4-5=-70, 1-6=-16
Concentrated Loads (lb)
Vert: 13=-138 (F), 15=-178



EXPIRES: 12/31/2024
June 21, 2024

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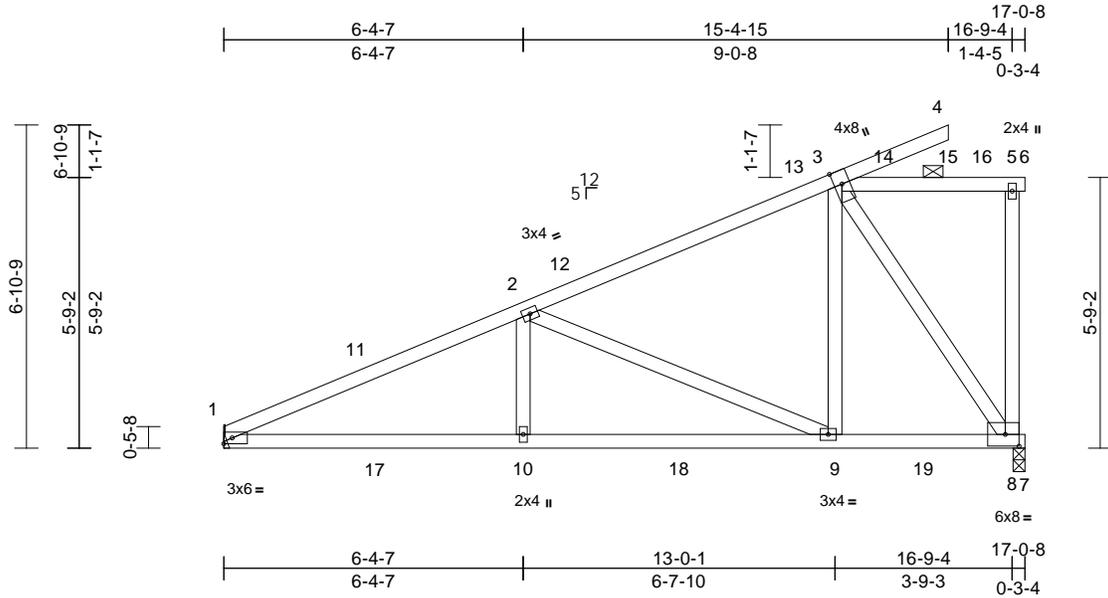
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss A32	Truss Type Roof Special	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993796
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:41
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Page: 1



Scale = 1:48.8

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	-0.15	9-10	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.19	9-10	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.91	Horz(CT)	0.03	8	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 87 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-10-6 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 3-6.
BOT CHORD Rigid ceiling directly applied or 9-8-7 oc bracing.

REACTIONS

(size) 1= Mechanical, 8=0-3-0
Max Horiz 1=175 (LC 16)
Max Uplift 1=-16 (LC 16), 8=-87 (LC 13)
Max Grav 1=1138 (LC 37), 8=1283 (LC 37)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2117/190, 2-3=-971/90, 3-4=-129/0, 3-5=0/0, 5-6=0/0
BOT CHORD 1-10=-461/1816, 9-10=-461/1816, 8-9=-280/759, 7-8=0/0
WEBS 5-8=-264/102, 2-10=0/377, 3-9=-31/524, 2-9=-1134/231, 3-8=-1371/505

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 15-4-15, Exterior(2R) 13-1-10 to 16-1-10, Interior (1) 16-1-10 to 17-0-8 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.

- Unbalanced snow loads have been considered for this design.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: , Joint 8 DF No.1&Btr crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 1 and 87 lb uplift at joint 8.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 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



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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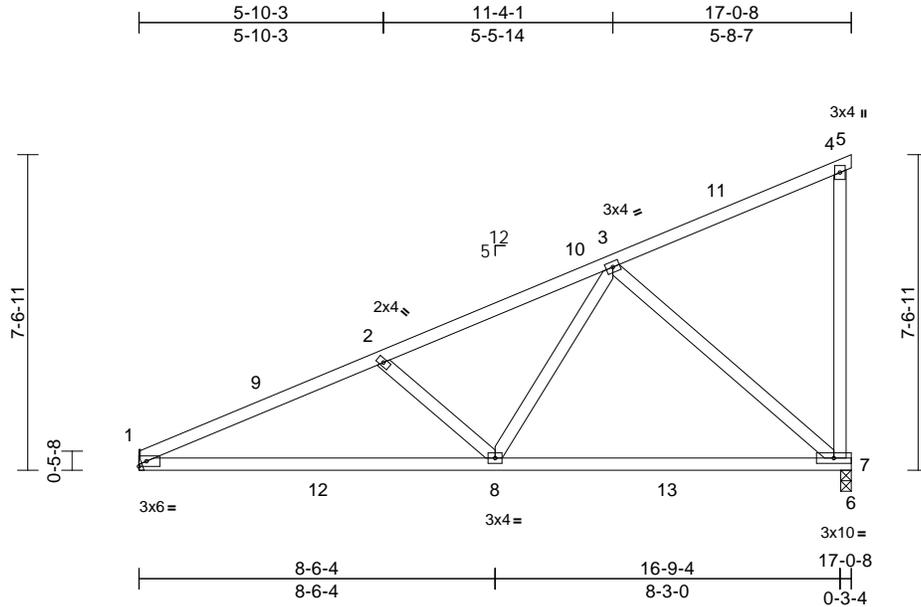
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Job 4070682	Truss A33	Truss Type Monopitch	Qty 4	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993797
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:42
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Page: 1



Scale = 1:54.9

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	0.37	Vert(LL)	-0.31	7-8	>651	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.39	7-8	>518	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.02	7	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
										Weight: 79 lb	FT = 20%	

LUMBER

TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-2-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-9-9 oc bracing.

REACTIONS

(size) 1= Mechanical, 7=0-3-0
Max Horiz 1=234 (LC 13)
Max Uplift 1=-29 (LC 14), 7=-70 (LC 14)
Max Grav 1=760 (LC 20), 7=937 (LC 20)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1373/319, 2-3=-1071/260,
3-4=-155/123, 4-5=-11/0, 4-7=-281/125
BOT CHORD 1-8=-461/1204, 7-8=-289/682, 6-7=0/0
WEBS 2-8=-399/207, 3-8=-81/563, 3-7=-892/269

NOTES

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C
Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to
17-0-8 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 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate
DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9;
Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load
applied where required.
- 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
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members.
- 6) Bearings are assumed to be: , Joint 7 DF No.1&Btr
crushing capacity of 625 psi.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 29 lb uplift at joint
1 and 70 lb uplift at joint 7.
- 9) This truss has been designed for a moving concentrated
load of 250.0lb live and 10.0lb dead located at all mid
panels and at all panel points along the Bottom Chord,
nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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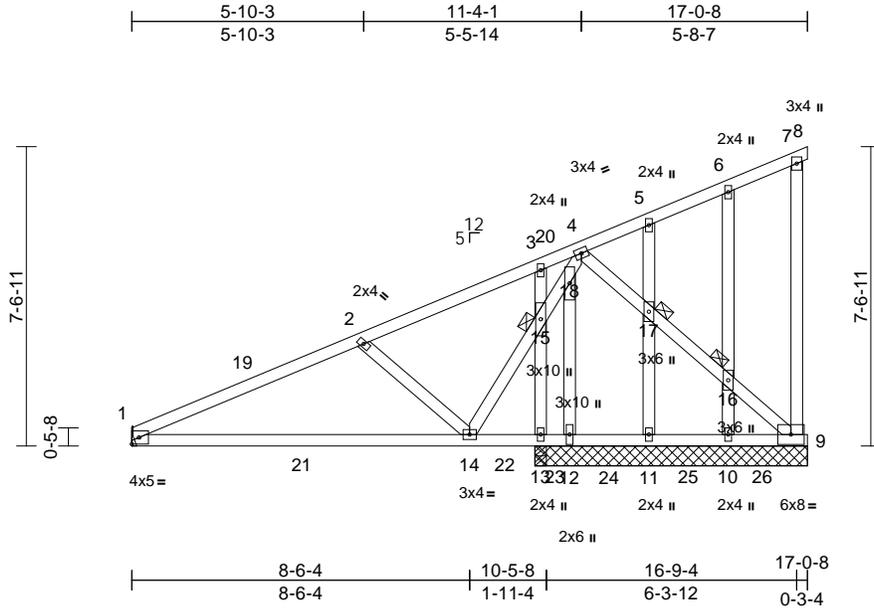
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Roseville, CA 95661
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Job 4070682	Truss A34	Truss Type Jack-Closed Structural Gable	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993798
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.24	1-14	>517	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.34	1-14	>363	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.45	Horz(CT)	-0.03	10	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 106 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x4 DF No.1&Btr
 WEBS 2x4 DF No.2
 OTHERS 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-4-13 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 4-11-4 oc bracing.

JOINTS 1 Brace at Jt(s): 15, 16, 17

REACTIONS (size)

1= Mechanical, 8=6-10-8, 9=6-10-8, 10=6-10-8, 11=6-10-8, 12=6-10-8, 13=0-3-8
 Max Horiz 1=350 (LC 42)
 Max Uplift 1=-717 (LC 47), 8=-79 (LC 40), 9=-818 (LC 46), 10=-84 (LC 48), 11=-160 (LC 47), 12=-547 (LC 47), 13=-514 (LC 47)
 Max Grav 1=926 (LC 58), 8=98 (LC 45), 9=788 (LC 39), 10=321 (LC 82), 11=387 (LC 32), 12=763 (LC 60), 13=520 (LC 32)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-2054/1701, 2-3=-1109/786, 3-4=-506/188, 4-5=-1064/895, 5-6=-821/701, 6-7=-445/367, 7-8=-76/99, 7-9=-138/140
 BOT CHORD 1-14=-1746/1676, 13-14=-1740/1659, 12-13=-1740/1659, 11-12=-1465/1384, 10-11=-699/631, 9-10=-957/876
 WEBS 2-14=-401/263, 14-15=-235/650, 15-18=-118/723, 4-18=-781/944, 4-17=-1122/1143, 16-17=-1088/1115, 9-16=-1083/1107, 3-15=-494/408, 13-15=-297/233, 6-16=-198/156, 10-16=-193/164, 5-17=-368/246, 11-17=-341/202, 12-18=-985/838

- NOTES**
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 17-0-8 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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
 - Unbalanced snow loads have been considered for this design.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 - Bearings are assumed to be: Joint 13 DF No.1&Btr crushing capacity of 625 psi, Joint 13 DF No.1&Btr crushing capacity of 625 psi.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 717 lb uplift at joint 1, 79 lb uplift at joint 8, 818 lb uplift at joint 9, 84 lb uplift at joint 10, 160 lb uplift at joint 11, 547 lb uplift at joint 12 and 514 lb uplift at joint 13.
 - This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead 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 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 10-2-0 to 16-11-8 for 376.4 plf.

LOAD CASE(S) Standard



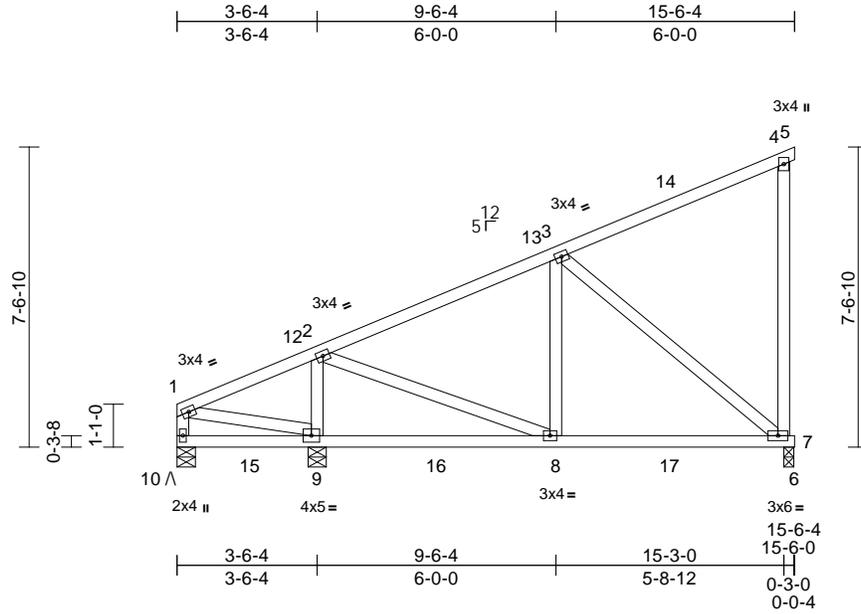
EXPIRES: 12/31/2024
June 21, 2024

Job 4070682	Truss B04	Truss Type Monopitch	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993799
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



Scale = 1:57.6

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)	-0.11	7-8	>999	240	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.13	7-8	>999	180	
TCDL	10.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.00	7	n/a	n/a	
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH							
BCDL	8.0										
										Weight: 85 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 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 (size) 7=0-3-0, 9=0-5-8, 10=0-5-8
Max Horiz 10=231 (LC 13)
Max Uplift 7=-55 (LC 16), 9=-52 (LC 16), 10=REL
Max Grav 7=702 (LC 22), 9=727 (LC 22), 10=305 (LC 39)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-206/93, 2-3=-562/139, 3-4=-156/126, 4-5=-11/0, 4-7=-291/134, 1-10=-125/12
BOT CHORD 9-10=-451/314, 8-9=-244/225, 7-8=-239/455, 6-7=0/0
WEBS 2-9=-649/251, 2-8=-61/424, 3-8=-53/249, 3-7=-568/191, 1-9=-92/213

- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be DF No.1&Btr crushing capacity of 625 psi.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 55 lb uplift at joint 7 and 52 lb uplift at joint 9.
- "A" indicates Released bearing: allow for upward movement at joint(s) 10.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

- NOTES**
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 15-6-4 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
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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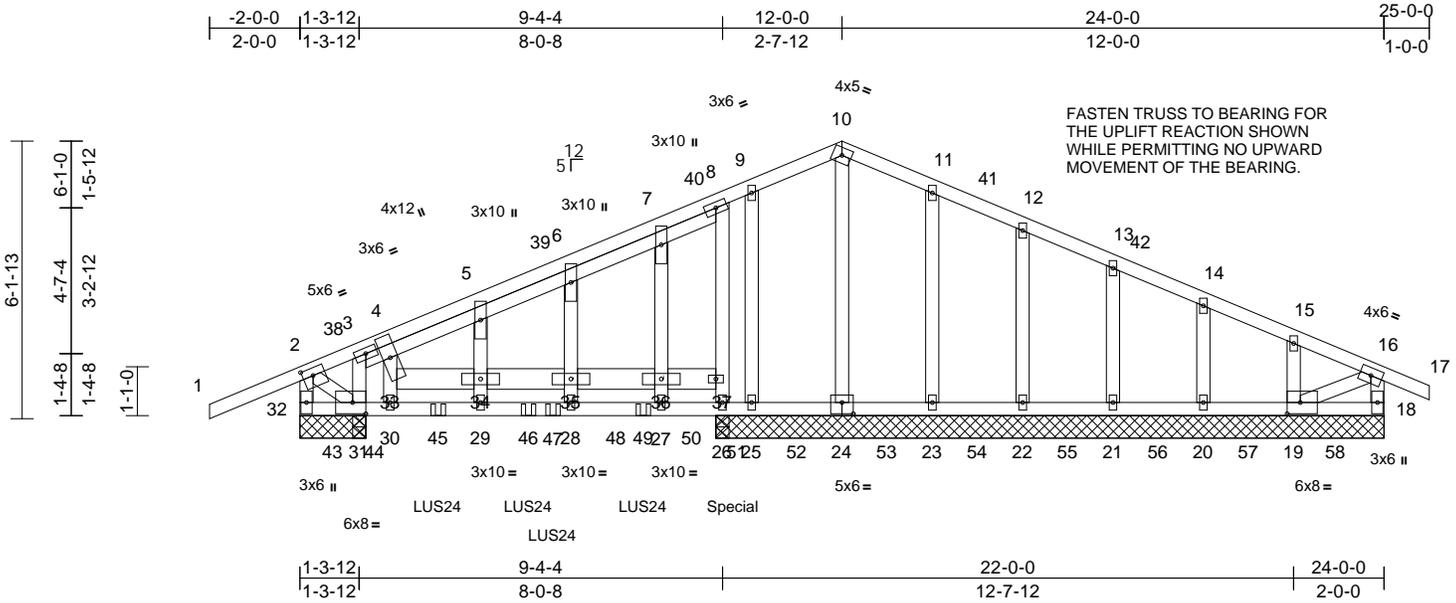
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Roseville, CA 95661
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Job 4070682	Truss C01	Truss Type Common Girder	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993801
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:42
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Page: 1



Scale = 1:50.8

Plate Offsets (X, Y): [2:0-2-12,0-2-0], [19:0-3-8,0-3-0], [24:0-3-0,0-3-0], [31:0-3-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.06	28-29	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.09	28-29	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.36	Horz(CT)	0.02	22	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 157 lb	FT = 20%

LUMBER	TOP CHORD	1-2=0/58, 2-3=-1701/1702, 3-4=-1463/1443, 4-5=-1488/1463, 5-6=-1133/1137, 6-7=-806/861, 7-8=-454/521, 8-9=-285/320, 9-10=-220/314, 10-11=-559/633, 11-12=-871/929, 12-13=-1181/1229, 13-14=-1521/1552, 14-15=-1876/1881, 15-16=-2205/2188, 16-17=0/31, 2-32=-1681/1670, 16-18=-1727/1743	2)
TOP CHORD	2x4 DF No.1&Btr		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.
BOT CHORD	2x4 DF No.1&Btr		
WEBS	2x4 DF No.2 *Except* 18-16:2x4 DF 2400F 2.0E, 33-34,34-35,35-36,37:2x6 DF No.2		3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ci=1.10; IBC 1607.11.2 minimum roof live load applied where required.
OTHERS	2x4 DF No.2		4) Unbalanced snow loads have been considered for this design.
BRACING			5) This truss has been designed for greater of min roof live load of 19.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
TOP CHORD	Structural wood sheathing directly applied or 4-6-2 oc purlins, except end verticals.		6) All plates are 2x4 MT20 unless otherwise indicated.
BOT CHORD	Rigid ceiling directly applied or 5-2-4 oc bracing.		7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
REACTIONS	(size) 18=14-9-8, 19=14-9-8, 20=14-9-8, 21=14-9-8, 22=14-9-8, 23=14-9-8, 24=14-9-8, 25=14-9-8, 26=14-9-8, 31=1-5-8, 32=1-5-8		8) Gable studs spaced at 2-0-0 oc.
Max Horiz	32=93 (LC 60)		9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
Max Uplift	18=-1729 (LC 46), 19=-961 (LC 53), 20=-35 (LC 54), 21=-25 (LC 53), 22=-25 (LC 54), 23=-27 (LC 53), 24=-123 (LC 51), 25=-649 (LC 53), 26=-318 (LC 51), 31=-1153 (LC 52), 32=-1708 (LC 61)		
Max Grav	18=1762 (LC 51), 19=1001 (LC 64), 20=332 (LC 105), 21=332 (LC 104), 22=331 (LC 103), 23=334 (LC 102), 24=367 (LC 101), 25=196 (LC 51), 26=1473 (LC 23), 31=1487 (LC 35), 32=1715 (LC 52)		
FORCES	(lb) - Maximum Compression/Maximum Tension		

NOTES
 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 12-0-0, Exterior(2R) 12-0-0 to 15-0-0, Interior (1) 15-0-0 to 25-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60



EXPIRES: 12/31/2024
June 21, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsc.com).

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Job 4070682	Truss C01	Truss Type Common Girder	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993801
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:42
ID:7TFNBjDp2BPVmwBlyl10O?yBz?E-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWRcDoi7J4zJC?#

Page: 2

- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 11) All bearings are assumed to be DF No.1&Btr crushing capacity of 625 psi.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1708 lb uplift at joint 32, 1729 lb uplift at joint 18, 1153 lb uplift at joint 31, 318 lb uplift at joint 26, 123 lb uplift at joint 24, 649 lb uplift at joint 25, 27 lb uplift at joint 23, 25 lb uplift at joint 22, 25 lb uplift at joint 21, 35 lb uplift at joint 20 and 961 lb uplift at joint 19.
- 13) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 14) This truss has been designed for a total drag load of 150 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 9-1-8 to 24-0-0 for 242.0 plf.
- 15) 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.
- 16) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 3-0-12 from the left end to 7-7-4 to connect truss(es) to back face of bottom chord.
- 17) Fill all nail holes where hanger is in contact with lumber.
- 18) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) . The design/selection of such connection device(s) is the responsibility of others.
- 19) Special hanger(s) or other connection device(s) shall be provided at 9-7-4 from the left end sufficient to connect trusses to back face of bottom chord, skewed 0.0 deg. to the left, sloping -18.4 deg down.. The design/ selection of such special connection device(s) is the responsibility of others.
- 20) 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 (lb/ft)
Vert: 1-2=-70, 2-10=-70, 10-16=-70, 16-17=-70,
18-32=-16
Concentrated Loads (lb)
Vert: 26=-64 (B), 45=-47 (B), 46=-47 (B), 47=-47 (B),
49=-47 (B)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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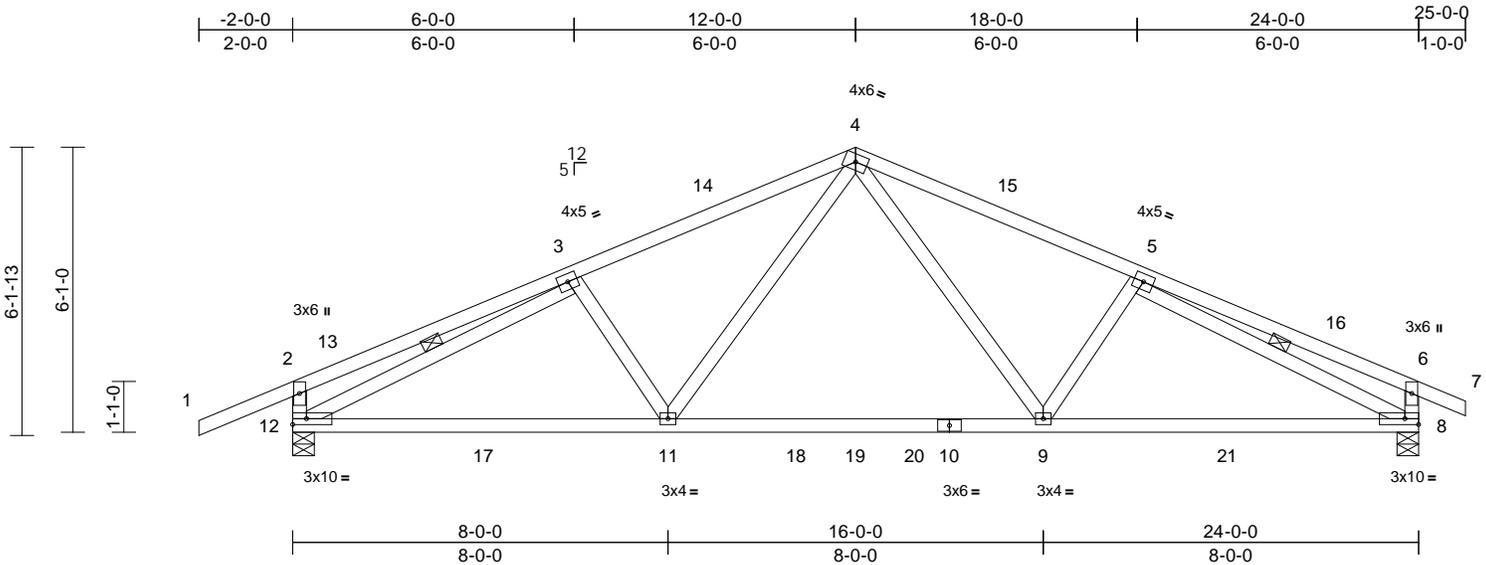
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Job 4070682	Truss C02	Truss Type Common	Qty 8	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993802
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:43
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Page: 1



Scale = 1:48.9

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	0.56	Vert(LL)	-0.27	9-11	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.35	9-11	>818	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.04	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
												Weight: 119 lb FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-12, 5-8

REACTIONS (size) 8=0-5-8, 12=0-5-8
Max Horiz 12=46 (LC 16)
Max Uplift 8=-45 (LC 17), 12=-56 (LC 16)
Max Grav 8=1161 (LC 6), 12=1225 (LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=-319/97, 3-4=-1622/318, 4-5=-1635/319, 5-6=-349/118, 6-7=0/31, 2-12=-415/184, 6-8=-379/157
BOT CHORD 11-12=-231/1527, 9-11=-114/1095, 8-9=-219/1548
WEBS 4-9=-64/596, 5-9=-367/158, 4-11=-59/581, 3-11=-349/154, 3-12=-1579/279, 5-8=-1504/223

- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 19.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
- All bearings are assumed to be DF No.1&Btr crushing capacity of 625 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 12 and 45 lb uplift at joint 8.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

- NOTES**
- Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 12-0-0, Exterior(2R) 12-0-0 to 15-0-0, Interior (1) 15-0-0 to 25-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.



EXPIRES: 12/31/2024
June 21, 2024

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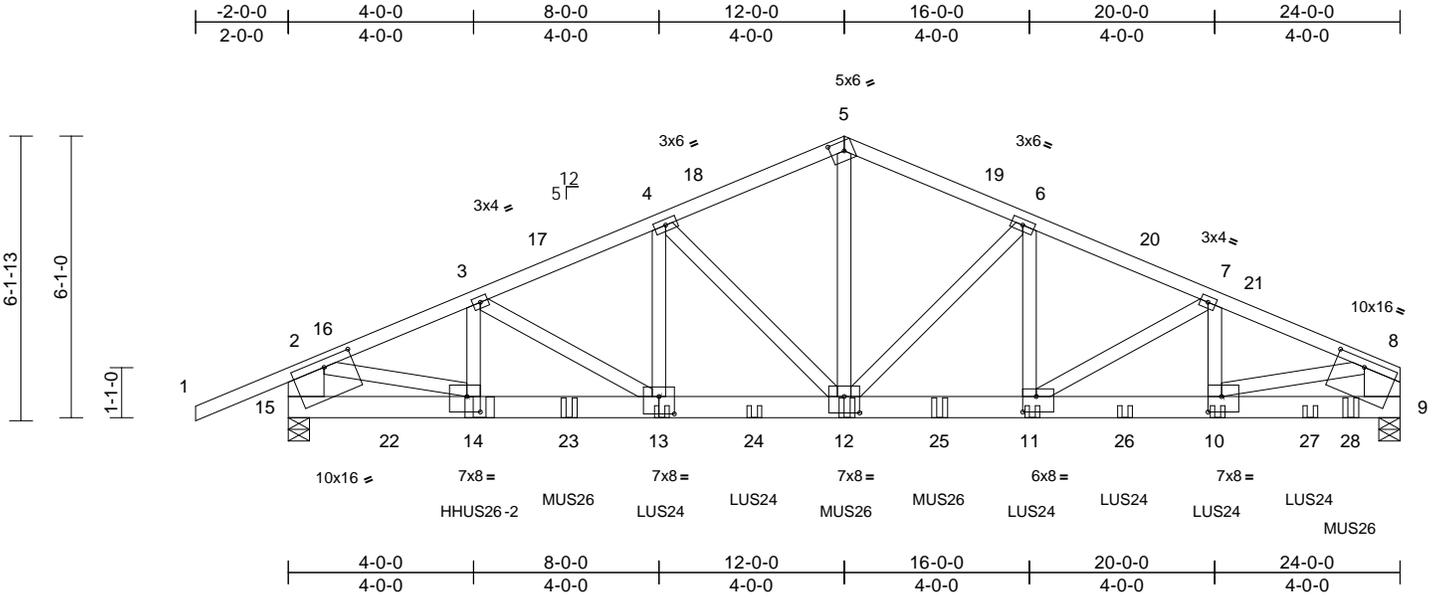
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Roseville, CA 95661
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Job 4070682	Truss C03	Truss Type Common Girder	Qty 1	Ply 2	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993803
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:43
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Page: 1



Scale = 1:49.5

Plate Offsets (X, Y): [5:0-3-9,0-2-8], [8:0-7-8,0-2-0], [10:0-3-8,0-4-0], [11:0-3-8,0-4-0], [12:0-4-0,0-4-4], [13:0-4-0,0-4-8], [14:0-3-8,0-4-0], [15:0-7-8,0-2-0]

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	0.42	Vert(LL)	-0.15	11-12	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.23	11-12	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.75	Horz(CT)	0.06	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
											Weight: 302 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x6 DF No.2
WEBS 2x4 DF No.2 *Except* 15-2,9-8:2x10 DF SS

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

REACTIONS (size) 9=0-5-8, 15=0-5-8
Max Horiz 15=52 (LC 16)
Max Uplift 9=-1026 (LC 17), 15=-555 (LC 16)
Max Grav 9=6063 (LC 24), 15=5915 (LC 23)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/64, 2-3=-9095/1053, 3-4=-8713/949, 4-5=-7029/747, 5-6=-7037/754, 6-7=-8675/841, 7-8=-8557/916, 2-15=-5660/779, 8-9=-5039/522
BOT CHORD 14-15=-133/783, 12-14=-963/8310, 11-12=-706/7972, 10-11=-831/7837, 9-10=-295/1096
WEBS 5-12=-469/5081, 6-12=-2208/216, 6-11=-84/1758, 7-11=-285/535, 7-10=-632/343, 4-12=-2279/359, 4-13=-227/1854, 3-13=-476/186, 3-14=-231/367, 2-14=-927/7768, 8-10=-551/6928

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-5-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.

- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 12-0-0, Exterior(2R) 12-0-0 to 15-0-0, Interior (1) 15-0-0 to 23-7-6 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 19.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be DF No.2 crushing capacity of 625 psi.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1026 lb uplift at joint 9 and 555 lb uplift at joint 15.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

- Use Simpson Strong-Tie HHUS26-2 (14-10d Girder, 4-10d Truss) or equivalent at 4-1-9 from the left end to connect truss(es) to front face of bottom chord.
- Use Simpson Strong-Tie MUS26 (6-10d Girder, 4-10d Truss, Single Ply Girder) or equivalent spaced at 8-10-8 oc max. starting at 6-0-12 from the left end to 22-11-4 to connect truss(es) to front face of bottom chord.
- Use Simpson Strong-Tie LUS24 (4-SD9112 Girder, 2-SD9212 Truss, Single Ply Girder) or equivalent at 8-0-12 from the left end to connect truss(es) to front face of bottom chord.
- Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss) or equivalent spaced at 6-0-0 oc max. starting at 10-0-12 from the left end to 22-0-12 to connect truss(es) to front face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-2=-70, 2-5=70, 5-8=-70, 8-15=10
Concentrated Loads (lb)



EXPIRES: 12/31/2024
June 21, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job 4070682	Truss C03	Truss Type Common Girder	Qty 1	Ply 2	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993803
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:43
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Page: 2

Vert: 12=-1092 (F), 11=-744 (F), 10=-744 (F),
13=-764 (F), 14=-1943 (F), 23=-695 (F), 24=-695
(F), 25=-1122 (F), 26=-744 (F), 27=-744 (F), 28=-426
(F)

⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job 4070682	Truss C04	Truss Type Common Girder	Qty 1	Ply 3	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993804
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 E Jan 19 2024 Print: 8.630 E Jan 19 2024 MiTek Industries, Inc. Thu Jun 20 13:02:52
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Page: 1

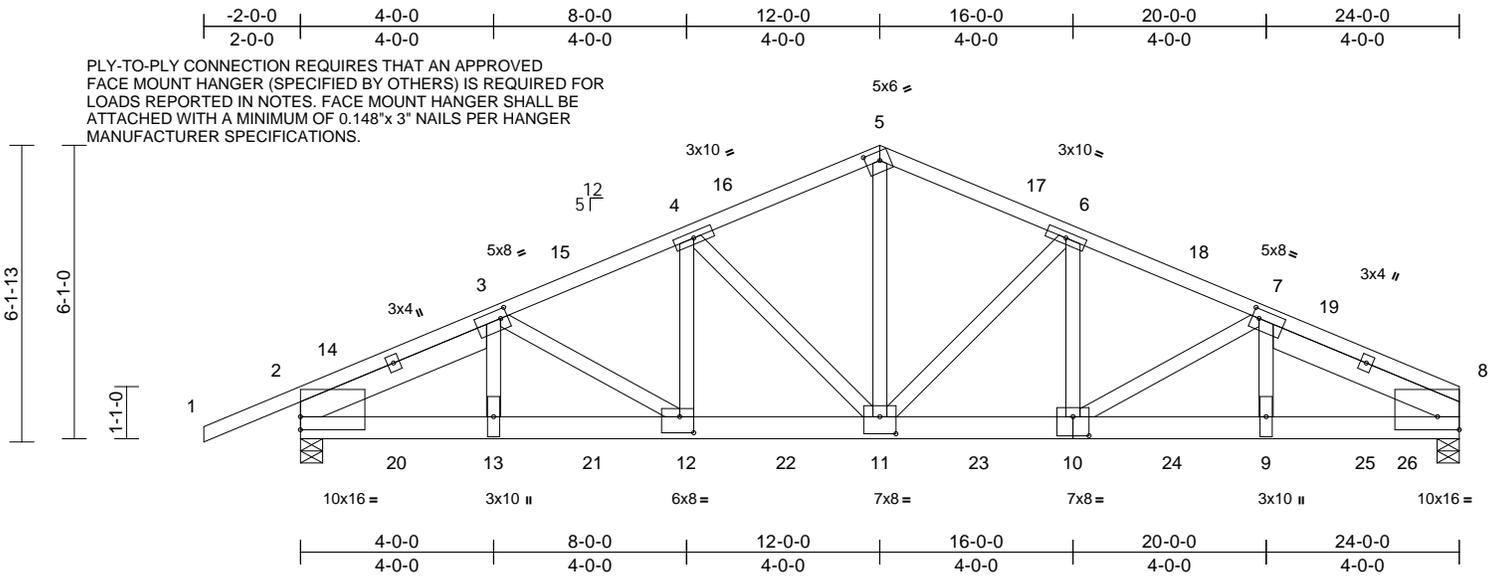


Plate Offsets (X, Y): [2:Edge,0-3-4], [3:0-1-12,0-2-4], [5:0-3-8,0-2-4], [7:0-1-12,0-2-4], [8:Edge,0-3-4], [10:0-4-0,0-4-12], [11:0-4-0,0-4-4], [12:0-3-8,0-4-0]

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	0.44	Vert(LL)	-0.17	10-11	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.26	10-11	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.62	Horz(CT)	0.09	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
										Weight: 469 lb	FT = 20%	

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x6 DF 2400F 2.0E
WEBS 2x4 DF No.2
SLIDER Left 2x6 DF No.2 -- 4-3-8, Right 2x6 DF No.2 -- 4-3-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=9742/0-5-8, 8=10804/0-5-8
Max Horiz 2=61 (LC 14)
Max Uplift 2=-54 (LC 14), 8=-34 (LC 15)
Max Grav 2=9786 (LC 21), 8=10852 (LC 22)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-18418/651, 3-14=-18355/667, 3-15=-16033/411, 4-15=-15999/422, 4-16=-12959/275, 5-16=-12912/292, 5-17=-12912/299, 6-17=-12957/282, 6-18=-16363/315, 7-18=-16403/304, 7-19=-18521/308, 8-19=-18628/295
BOT CHORD 2-20=-546/15804, 13-20=-546/15804, 13-21=-546/15804, 12-21=-546/15804, 12-22=-330/14769, 11-22=-330/14769, 11-23=-166/15105, 10-23=-166/15105, 10-24=-211/16080, 9-24=-211/16080, 9-25=-211/16080, 25-26=-211/16080, 8-26=-211/16080
WEBS 5-11=-181/9611, 6-11=-4567/119, 6-10=0/4139, 7-10=-1133/53, 7-9=0/3276, 4-11=-4099/247, 4-12=-215/3649, 3-12=-1202/250, 3-13=-290/3559

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-6-0 oc.
Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 12-0-0, Exterior(2R) 12-0-0 to 15-0-0, Interior (1) 15-0-0 to 24-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 19.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.



EXPIRES: 12/31/2024
June 21, 2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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Job 4070682	Truss C04	Truss Type Common Girder	Qty 1	Ply 3	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993804
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 E Jan 19 2024 Print: 8.630 E Jan 19 2024 MiTek Industries, Inc. Thu Jun 20 13:02:52
ID:7TFNBjDp2BPVmwBlyl10O?yBz?E-OI9?0Ln13z8N5e8qJaa2RlgB19xmiiA4e6W6u_z4M2H

Page: 2

- 8) n/a
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 8 and 54 lb uplift at joint 2.
- 12) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3190 lb down and 343 lb up at 4-1-9, 1232 lb down and 14 lb up at 6-0-12, 1673 lb down and 99 lb up at 8-0-12, 1231 lb down and 21 lb up at 10-0-12, 1984 lb down and 52 lb up at 12-0-12, 1715 lb down and 4 lb up at 14-0-12, 1880 lb down and 19 lb up at 16-0-12, 1583 lb down at 18-0-12, 1673 lb down at 20-0-12, and 1602 lb down at 22-0-12, and 579 lb down at 22-11-4 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 (lb/ft)
Vert: 1-5=-70, 5-8=-70, 2-8=-16
Concentrated Loads (lb)
Vert: 11=-1984 (B), 10=-1880 (B), 9=-1673 (B),
12=-1673 (B), 13=-3190 (B), 21=-1232 (B),
22=-1231 (B), 23=-1715 (B), 24=-1583 (B),
25=-1602 (B), 26=-579 (B)

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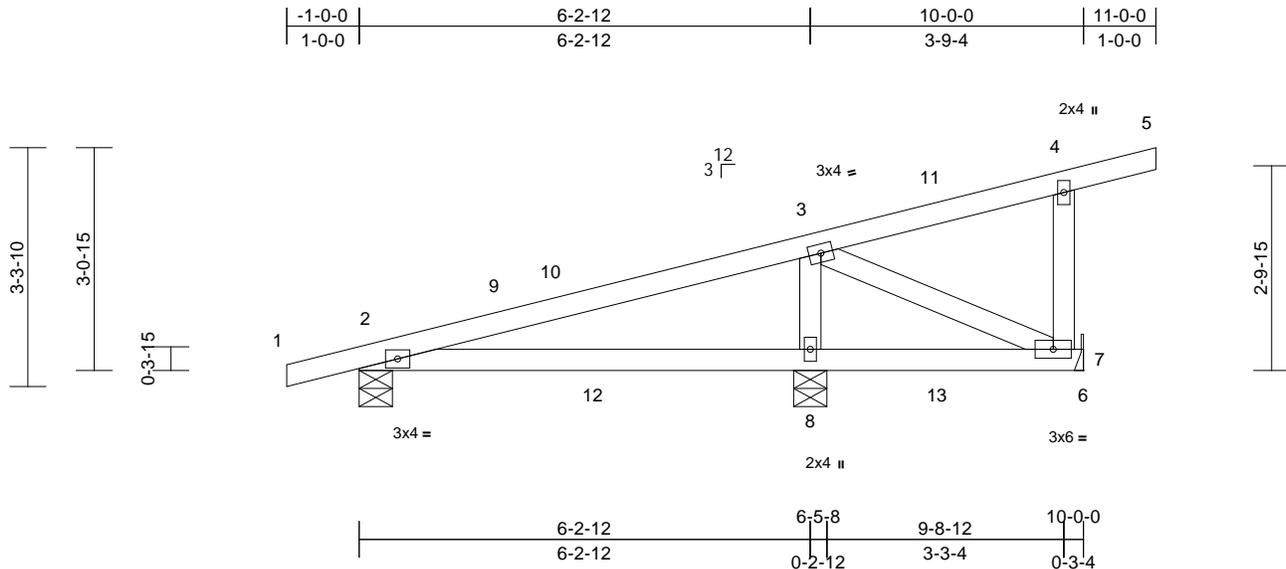
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Job 4070682	Truss D01	Truss Type Monopitch	Qty 12	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993805
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:44
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Page: 1



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	2-8	>744	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.13	2-8	>566	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	8.0											
											Weight: 40 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 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 (size) 2=0-5-8, 7= Mechanical, 8=0-5-8
Max Horiz 2=91 (LC 13)
Max Uplift 2=-52 (LC 12), 7=-40 (LC 13), 8=-28 (LC 16)
Max Grav 2=377 (LC 40), 7=327 (LC 39), 8=632 (LC 23)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/15, 2-3=-121/67, 3-4=-91/44, 4-5=-30/0, 4-7=-245/165
BOT CHORD 2-8=-77/55, 7-8=-77/55, 6-7=0/0
WEBS 3-8=-498/221, 3-7=-47/68

- This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: Joint 2 DF No.1&Btr crushing capacity of 625 psi, Joint 8 DF No.1&Btr crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 7, 52 lb uplift at joint 2 and 28 lb uplift at joint 8.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

- NOTES**
- Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 11-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
 - Unbalanced snow loads have been considered for this design.



EXPIRES: 12/31/2024
June 21, 2024

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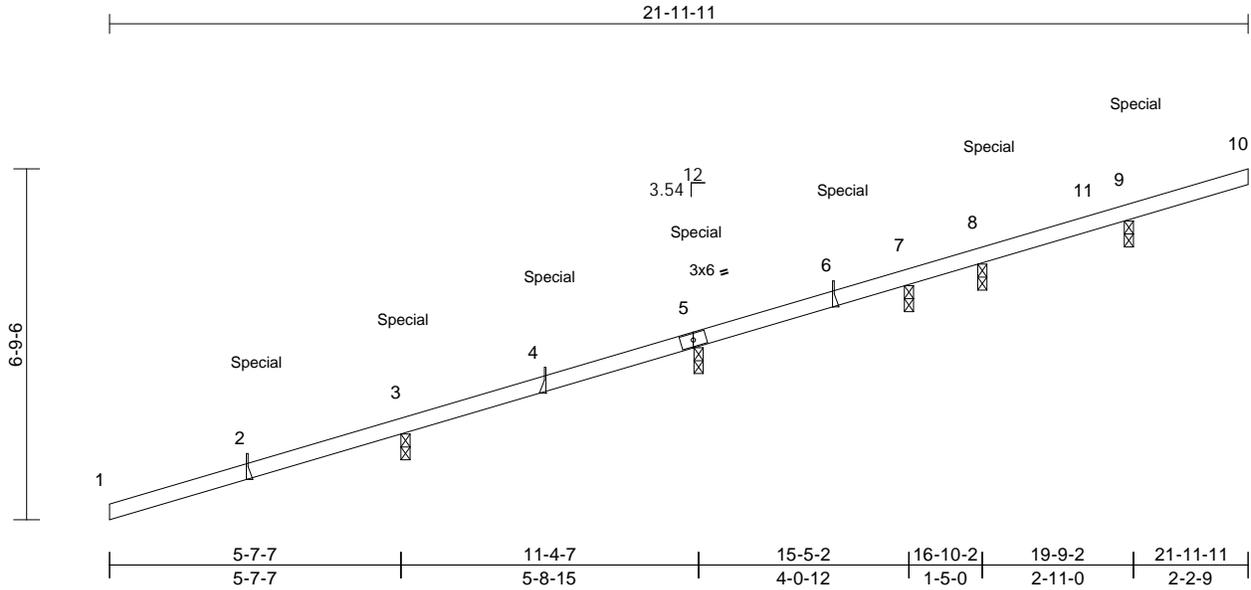
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Job 4070682	Truss HRA1	Truss Type Corner Rafter	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993807
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:44
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Page: 1



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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.44	Vert(LL)	-0.02	2-3	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.00	Vert(CT)	-0.02	2-3	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	9	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-SH								
											Weight: 31 lb	FT = 20%

LUMBER	
TOP CHORD	2x4 DF No.1&Btr
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS (size)	
	2= Mechanical, 3=0-2-2, 4= Mechanical, 5=0-2-2, 6= Mechanical, 7=0-2-2, 8=0-2-2, 9=0-2-2
Max Horiz	2=185 (LC 12)
Max Uplift	2=-102 (LC 12), 3=-53 (LC 16), 4=-54 (LC 12), 5=-67 (LC 12), 6=-42 (LC 12), 7=-25 (LC 12), 8=-45 (LC 17), 9=100 (LC 13)
Max Grav	2=413 (LC 1), 3=217 (LC 1), 4=228 (LC 1), 5=302 (LC 1), 6=187 (LC 22), 7=146 (LC 22), 8=202 (LC 23), 9=500 (LC 22)
FORCES (lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/53, 2-3=-221/77, 3-4=-196/73, 4-6=-164/60, 6-7=-105/34, 7-8=-88/27, 8-9=-80/69, 9-10=-67/0

- NOTES**
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -2-9-3 to -0-0-12, Interior (1) -0-0-12 to 19-2-8 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
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.

- Unbalanced snow loads have been considered for this design.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Bearings are assumed to be: , Joint 3 DF No.1&Btr crushing capacity of 625 psi, Joint 5 DF No.1&Btr crushing capacity of 625 psi, Joint 7 DF No.1&Btr crushing capacity of 625 psi, Joint 8 DF No.1&Btr crushing capacity of 625 psi, Joint 9 DF No.1&Btr crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5, 3, 7, 8, 9.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 5, 102 lb uplift at joint 2, 53 lb uplift at joint 3, 54 lb uplift at joint 4, 42 lb uplift at joint 6, 25 lb uplift at joint 7, 45 lb uplift at joint 8 and 100 lb uplift at joint 9.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5, 3, 7, 8, 9.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 64 lb down and 24 lb up at 0-1-1, 153 lb down and 66 lb up at 2-11-0, 64 lb down and 37 lb up at 5-8-15, 153 lb down and 66 lb up at 8-6-14, 66 lb down and 37 lb up at 11-4-13, and 161 lb down and 66 lb up at 14-2-12, and 115 lb down and 34 lb up at 17-0-11 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 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

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-10=70
Concentrated Loads (lb)
Vert: 5=-104 (B), 2=-33 (B), 3=-104 (B), 4=-33 (B), 6=-35 (B), 8=-111 (B), 9=-66 (B)



EXPIRES: 12/31/2024
June 21, 2024

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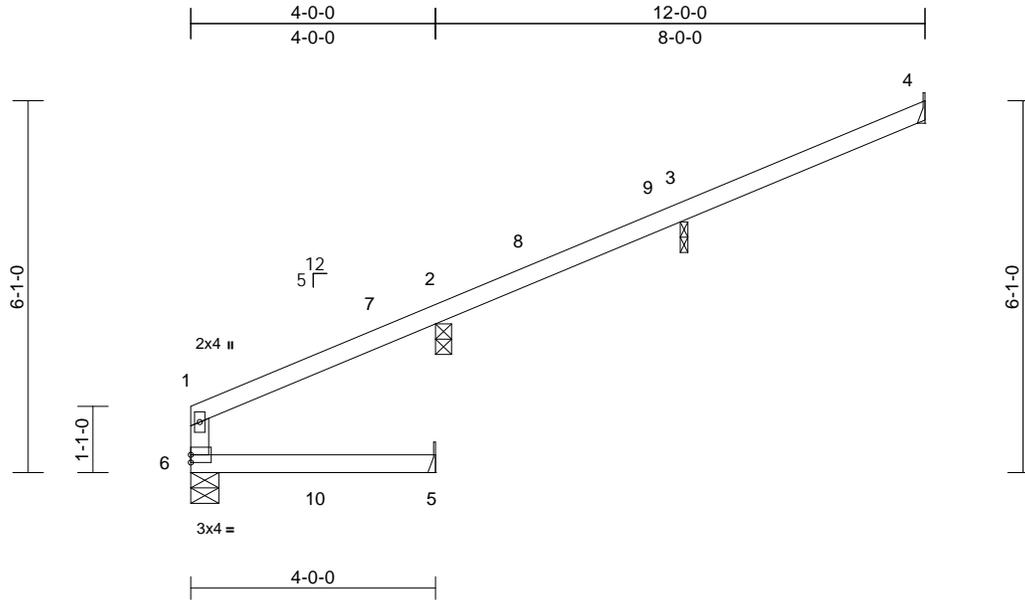
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Roseville, CA 95661
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Job 4070682	Truss JA01	Truss Type Jack-Open	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993808
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:44
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Page: 1



Scale = 1:37.5

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	0.31	Vert(LL)	-0.04	5-6	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.05	5-6	>888	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.03	4	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-R								
BCDL	8.0											
										Weight: 24 lb	FT = 20%	

LUMBER

TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING

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

REACTIONS (size) 2=0-3-2, 3=0-1-8, 4= Mechanical, 5= Mechanical, 6=0-5-8
Max Horiz 6=129 (LC 16)
Max Uplift 2=-88 (LC 16), 3=-79 (LC 16), 4=-39 (LC 16), 5=-3 (LC 16)
Max Grav 2=295 (LC 23), 3=409 (LC 23), 4=208 (LC 23), 5=292 (LC 38), 6=330 (LC 37)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-6=-151/11, 1-2=-272/138, 2-3=-175/86, 3-4=-67/64
BOT CHORD 5-6=0/0

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C
Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 11-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be User Defined crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 4, 3 lb uplift at joint 5, 88 lb uplift at joint 2 and 79 lb uplift at joint 3.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 21, 2024

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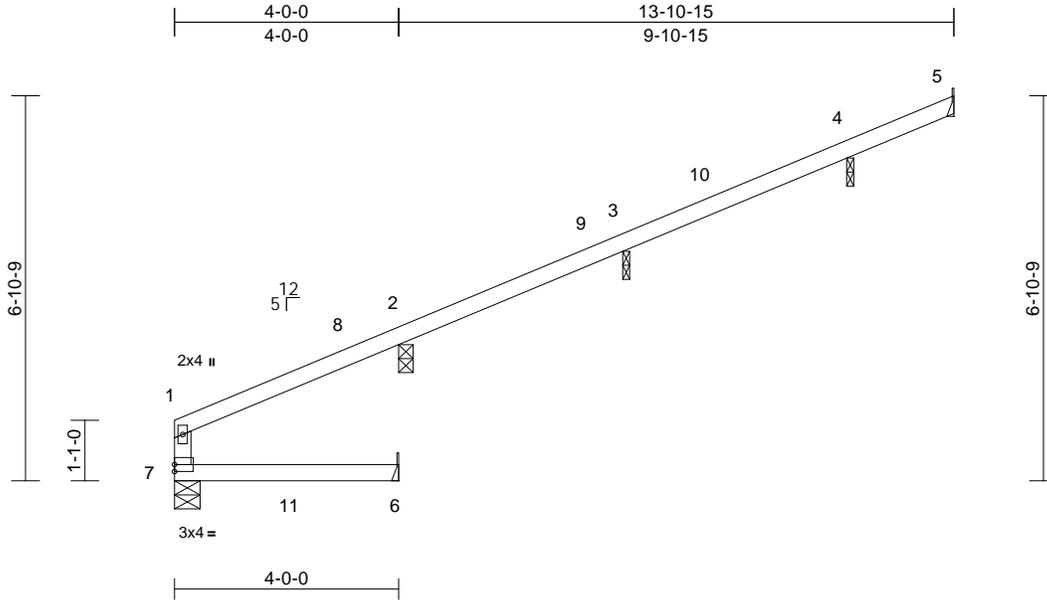
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Roseville, CA 95661
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Job 4070682	Truss JA02	Truss Type Jack-Open	Qty 2	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993809
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:45
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Page: 1



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.04	6-7	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.05	6-7	>888	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.03	5	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-R								
											Weight: 27 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

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

REACTIONS (size) 2=0-3-2, 3=0-1-8, 4=0-1-8, 5= Mechanical, 6= Mechanical, 7=0-5-8
Max Horiz 7=151 (LC 16)
Max Uplift 2=-90 (LC 16), 3=-81 (LC 16), 4=-59 (LC 16), 5=-18 (LC 16), 6=-5 (LC 16)
Max Grav 2=267 (LC 23), 3=372 (LC 23), 4=310 (LC 23), 5=96 (LC 23), 6=292 (LC 38), 7=330 (LC 37)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-7=-151/0, 1-2=-317/163, 2-3=-219/110, 3-4=-123/66, 4-5=-31/29
BOT CHORD 6-7=0/0

- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be User Defined crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 5, 5 lb uplift at joint 6, 90 lb uplift at joint 2, 81 lb uplift at joint 3 and 59 lb uplift at joint 4.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

- NOTES**
- Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 13-10-3 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
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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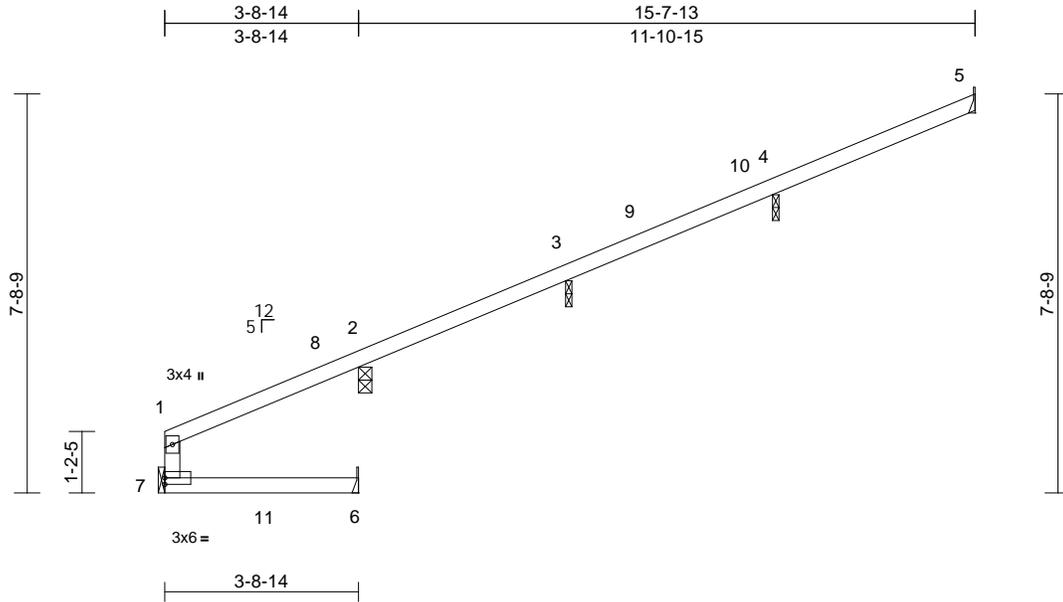
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss JA03	Truss Type Jack-Open	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993810
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:45
ID:7TFNBjDp2BPVmwbyll0O?yBz?E-RFC?PsB70Hq3NSgPqnL8w3uITXbGKWRCDoi7J4zJC?f

Page: 1



Scale = 1:44.3

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	0.30	Vert(LL)	-0.03	6-7	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.04	6-7	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.04	5	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-R								
BCDL	8.0											
										Weight: 29 lb	FT = 20%	

LUMBER

TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(size) 2=0-3-2, 3=0-1-8, 4=0-1-8, 5= Mechanical, 6= Mechanical, 7= Mechanical
Max Horiz 7=171 (LC 16)
Max Uplift 2=-94 (LC 16), 3=-81 (LC 16), 4=-79 (LC 16), 5=-38 (LC 16), 6=-13 (LC 16)
Max Grav 2=258 (LC 1), 3=309 (LC 23), 4=408 (LC 23), 5=203 (LC 23), 6=290 (LC 38), 7=325 (LC 37)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-7=-140/0, 1-2=-364/189, 2-3=-264/135, 3-4=-174/85, 4-5=-66/62
BOT CHORD 6-7=0/0

NOTES

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 15-7-1 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.

- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 6) All bearings are assumed to be User Defined crushing capacity of 625 psi.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 5, 13 lb uplift at joint 6, 94 lb uplift at joint 2, 81 lb uplift at joint 3 and 79 lb uplift at joint 4.
- 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4.
- 12) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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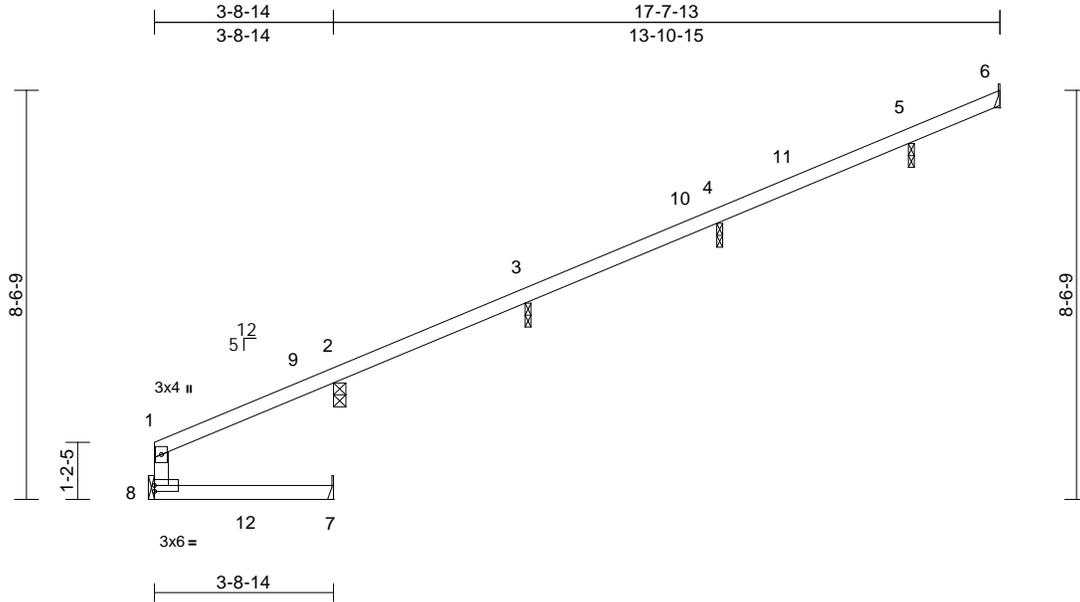
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss JA04	Truss Type Jack-Open	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993811
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:45
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Page: 1



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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.03	7-8	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.04	7-8	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.05	6	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-R								
											Weight: 32 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(size) 2=0-3-2, 3=0-1-8, 4=0-1-8,
5=0-1-8, 6= Mechanical, 7=
Mechanical, 8= Mechanical
Max Horiz 8=194 (LC 16)
Max Uplift 2=-97 (LC 16), 3=-81 (LC 16),
4=-81 (LC 16), 5=-59 (LC 16),
6=-18 (LC 16), 7=-16 (LC 16)
Max Grav 2=258 (LC 1), 3=279 (LC 23),
4=374 (LC 23), 5=310 (LC 23),
6=96 (LC 23), 7=290 (LC 38),
8=325 (LC 37)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-8=-140/6, 1-2=-411/215, 2-3=-309/160,
3-4=-220/110, 4-5=-123/66, 5-6=-31/29
BOT CHORD 7-8=0/0

NOTES

- Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C
Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to
17-7-1 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
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate
DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9;
Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load
applied where required.

- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be User Defined crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4, 5.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 6, 16 lb uplift at joint 7, 97 lb uplift at joint 2, 81 lb uplift at joint 3, 81 lb uplift at joint 4 and 59 lb uplift at joint 5.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4, 5.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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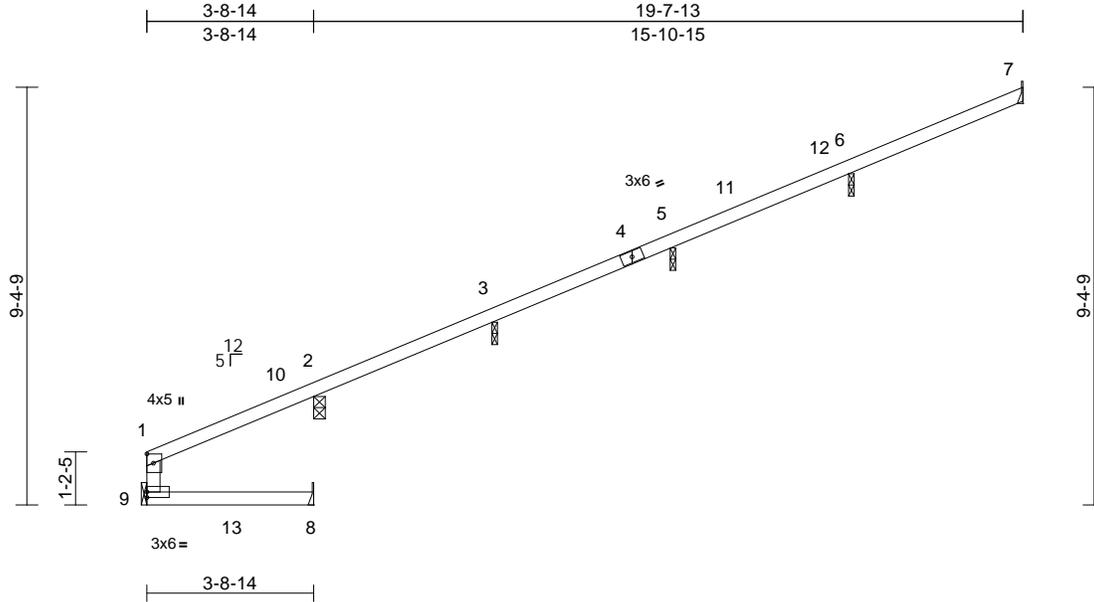
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss JA05	Truss Type Jack-Open	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993812
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:45
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Page: 1



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	0.34	Vert(LL)	-0.03	8-9	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.04	8-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.05	7	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-R								
BCDL	8.0											
										Weight: 35 lb	FT = 20%	

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-3-2, 3=0-1-8, 5=0-1-8, 6=0-1-8, 7= Mechanical, 8= Mechanical, 9= Mechanical
Max Horiz 9=216 (LC 16)
Max Uplift 2=-100 (LC 16), 3=-81 (LC 16), 5=-81 (LC 16), 6=-79 (LC 16), 7=-38 (LC 16), 8=-19 (LC 16)
Max Grav 2=258 (LC 1), 3=278 (LC 1), 5=311 (LC 23), 6=408 (LC 23), 7=203 (LC 23), 8=290 (LC 38), 9=325 (LC 37)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-9=-142/18, 1-2=-458/241, 2-3=-354/185, 3-5=-265/135, 5-6=-174/85, 6-7=-66/62
BOT CHORD 8-9=0/0

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 19-7-1 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.

- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be User Defined crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 5, 6.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 7, 19 lb uplift at joint 8, 100 lb uplift at joint 2, 81 lb uplift at joint 3, 81 lb uplift at joint 5 and 79 lb uplift at joint 6.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 5, 6.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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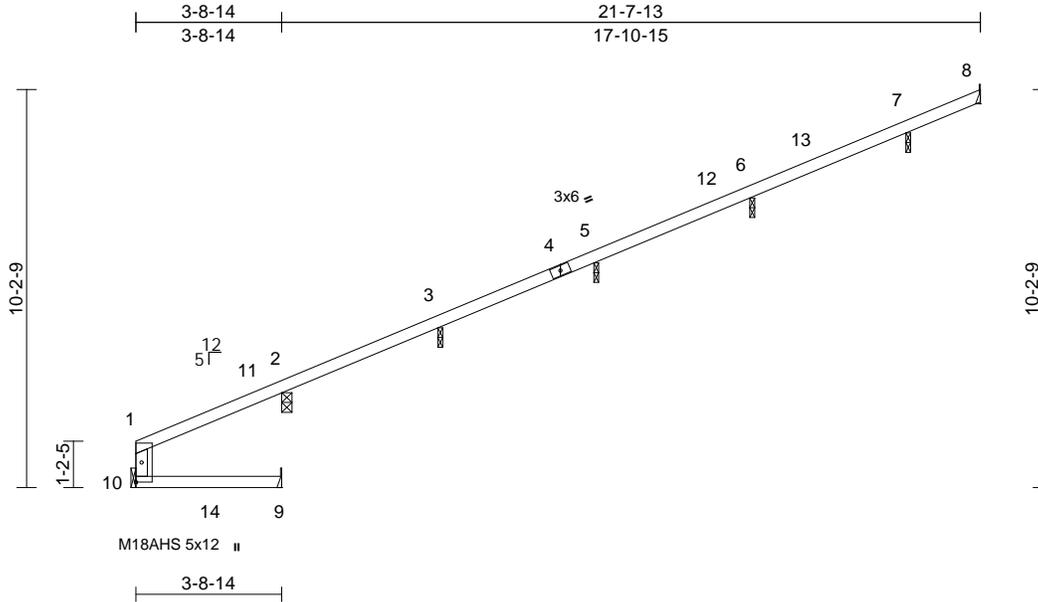
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss JA06	Truss Type Jack-Open	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993813
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



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)	-0.03	9-10	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.04	9-10	>999	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.05	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-R								
BCDL	8.0											
											Weight: 38 lb	FT = 20%

LUMBER
 TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x4 DF No.1&Btr
 WEBS 2x4 DF No.2

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-3-2, 3=0-1-8, 5=0-1-8, 6=0-1-8, 7=0-1-8, 8= Mechanical, 9= Mechanical, 10= Mechanical
 Max Horiz 10=239 (LC 16)
 Max Uplift 2=-102 (LC 16), 3=-81 (LC 16), 5=-81 (LC 16), 6=-81 (LC 16), 7=-59 (LC 16), 8=-18 (LC 16), 9=-22 (LC 16)
 Max Grav 2=258 (LC 1), 3=278 (LC 1), 5=284 (LC 23), 6=388 (LC 23), 7=315 (LC 23), 8=97 (LC 23), 9=290 (LC 38), 10=325 (LC 37)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-10=-164/31, 1-2=-505/267, 2-3=-399/210, 3-5=-310/160, 5-6=-220/110, 6-7=-123/67, 7-8=-31/30
 BOT CHORD 9-10=0/0

NOTES
 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 21-7-1 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

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be User Defined crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 5, 6, 7.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 8, 22 lb uplift at joint 9, 102 lb uplift at joint 2, 81 lb uplift at joint 3, 81 lb uplift at joint 5, 81 lb uplift at joint 6 and 59 lb uplift at joint 7.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 5, 6, 7.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
 June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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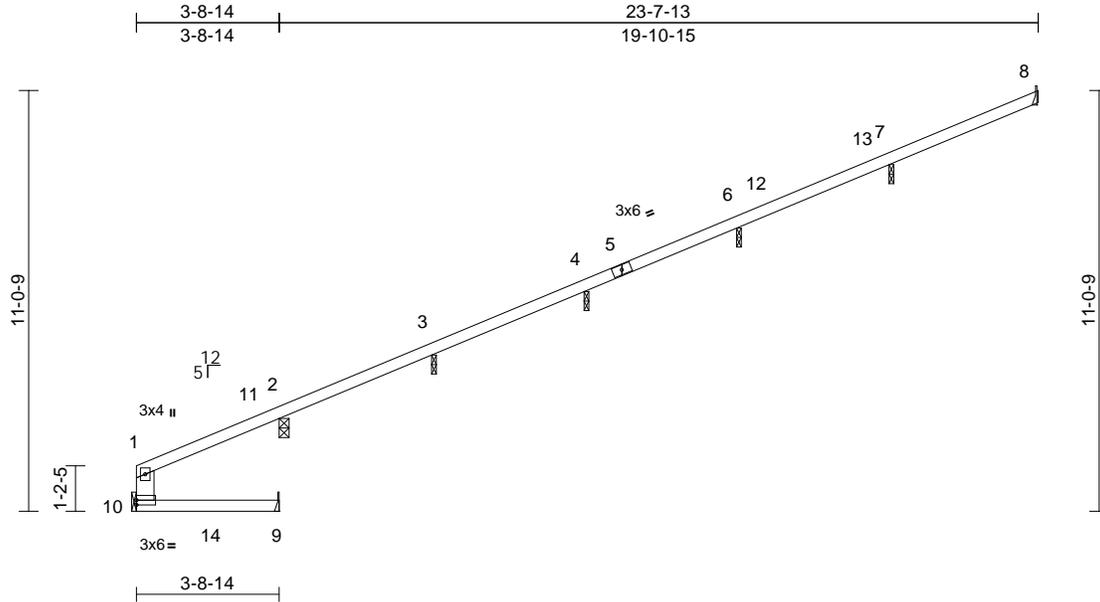
400 Sunrise Ave., Suite 270
 Roseville, CA 95661
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Job 4070682	Truss JA07	Truss Type Jack-Open	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993814
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



Scale = 1:60.1

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	0.03	9-10	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.04	9-10	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.06	8	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-R								
											Weight: 42 lb	FT = 20%

LUMBER
 TOP CHORD 2x4 DF No.1&Btr
 BOT CHORD 2x4 DF No.1&Btr
 WEBS 2x6 DF No.2

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-3-2, 3=0-1-8, 4=0-1-8, 6=0-1-8, 7=0-1-8, 8= Mechanical, 9= Mechanical, 10= Mechanical
 Max Horiz 10=261 (LC 16)
 Max Uplift 2=-104 (LC 16), 3=-81 (LC 16), 4=-81 (LC 16), 6=-81 (LC 16), 7=-79 (LC 16), 8=-38 (LC 16), 9=-30 (LC 16)
 Max Grav 2=253 (LC 1), 3=278 (LC 1), 4=280 (LC 1), 6=334 (LC 23), 7=430 (LC 23), 8=210 (LC 23), 9=289 (LC 38), 10=324 (LC 37)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-10=-188/45, 1-2=-551/293, 2-3=-444/235, 3-4=-355/186, 4-6=-265/135, 6-7=-174/85, 7-8=-66/65
 BOT CHORD 9-10=0/0

NOTES
 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior (1) 3-2-12 to 23-7-1 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

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be User Defined crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4, 6, 7.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 8, 30 lb uplift at joint 9, 104 lb uplift at joint 2, 81 lb uplift at joint 3, 81 lb uplift at joint 4, 81 lb uplift at joint 6 and 79 lb uplift at joint 7.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4, 6, 7.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



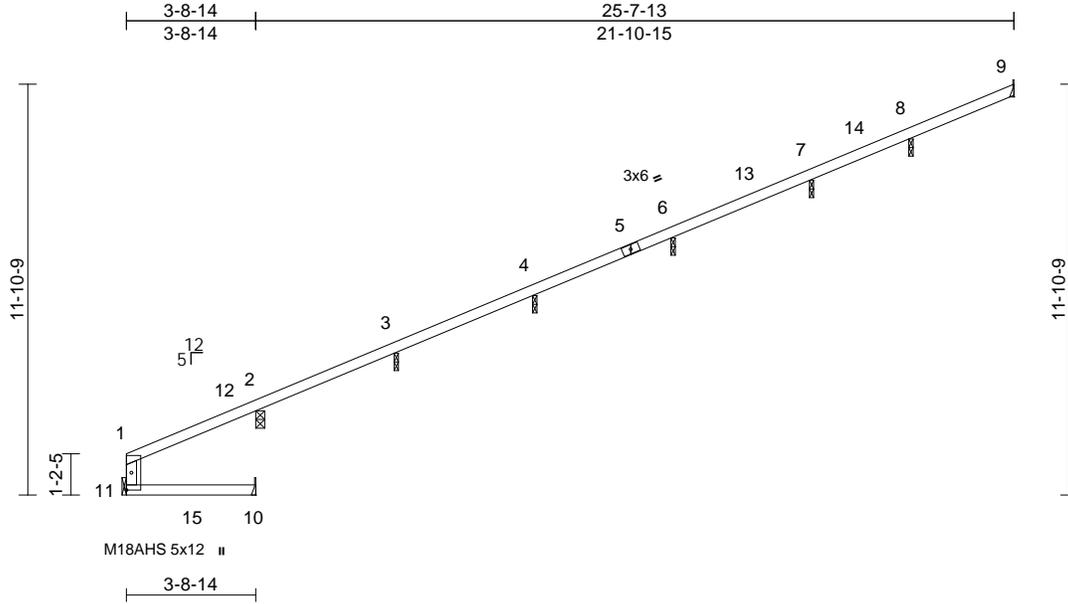
EXPIRES: 12/31/2024
June 21, 2024

Job 4070682	Truss JA08	Truss Type Jack-Open	Qty 1	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993815
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:45
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Page: 1



Scale = 1:66.3

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)	-0.03	10-11	>999	240	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.04	10-11	>999	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.06	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-R								
BCDL	8.0											
										Weight: 44 lb	FT = 20%	

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.1&Btr
WEBS 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=0-3-2, 3=0-1-8, 4=0-1-8, 6=0-1-8, 7=0-1-8, 8=0-1-8, 9= Mechanical, 10= Mechanical, 11= Mechanical
Max Horiz 11=285 (LC 16)
Max Uplift 2=-108 (LC 16), 3=-81 (LC 16), 4=-81 (LC 16), 6=-81 (LC 16), 7=-70 (LC 16), 8=-59 (LC 16), 9=-30 (LC 16), 10=-29 (LC 16)
Max Grav 2=258 (LC 1), 3=278 (LC 1), 4=280 (LC 1), 6=294 (LC 23), 7=359 (LC 23), 8=328 (LC 23), 9=165 (LC 23), 10=290 (LC 38), 11=325 (LC 37)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-11=-209/56, 1-2=-599/320, 2-3=-489/260, 3-4=-400/211, 4-6=-310/160, 6-7=-220/110, 7-8=-137/64, 8-9=-51/51
BOT CHORD 10-11=0/0

NOTES
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 25-7-1 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

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
- Unbalanced snow loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be User Defined crushing capacity of 625 psi.
- Refer to girder(s) for truss to truss connections.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4, 6, 7, 8.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 9, 29 lb uplift at joint 10, 108 lb uplift at joint 2, 81 lb uplift at joint 3, 81 lb uplift at joint 4, 81 lb uplift at joint 6, 70 lb uplift at joint 7 and 59 lb uplift at joint 8.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4, 6, 7, 8.
- This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

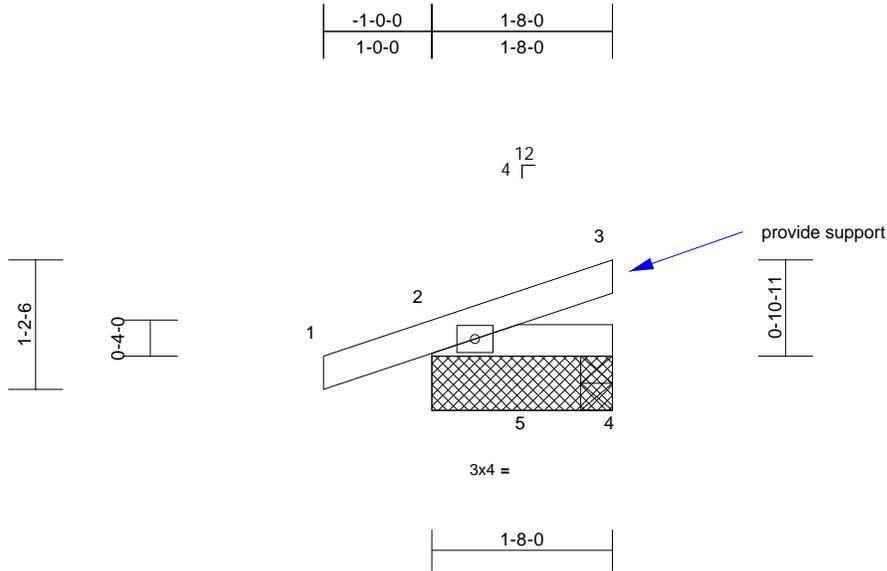
MiTek®
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Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss JC01	Truss Type Monopitch Supported Gable	Qty 4	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993816
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:45
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Page: 1



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	0.00	2-4	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.01	2-4	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-P								
											Weight: 6 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.1&Btr
BOT CHORD 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=1-8-0, 4=0-3-8
Max Horiz 2=36 (LC 12)
Max Uplift 2=-50 (LC 12), 4=-11 (LC 12)
Max Grav 2=316 (LC 37), 4=284 (LC 38)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/27, 2-3=-53/0
BOT CHORD 2-4=0/0

- NOTES**
- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Corner(3E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.

- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 1-4-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 10) All bearings are assumed to be DF No.2 crushing capacity of 625 psi, Joint 4 User Defined crushing capacity of 625 psi.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 2 and 11 lb uplift at joint 4.
- 12) This truss has been designed for a moving concentrated load of 250.0lb live and 10.0lb dead located at all mid panels and at all panel points along the Bottom Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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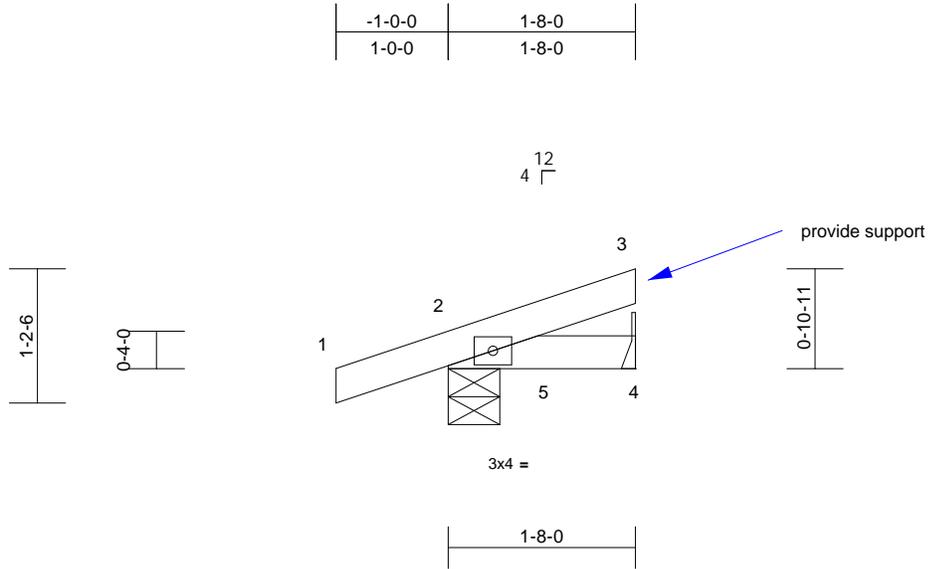
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job 4070682	Truss JC02	Truss Type Jack-Open	Qty 8	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993817
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ProBuild West (Closed), Beaverton, OR - 97005,

Run: 8.63 S Apr 26 2024 Print: 8.630 S Apr 26 2024 MiTek Industries, Inc. Tue Jun 18 14:46:45
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Scale = 1:20.4

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	0.00	2-4	>999	240	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.01	2-4	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 6 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(size) 2=0-5-8, 4= Mechanical
Max Horiz 2=36 (LC 12)
Max Uplift 2=-52 (LC 12), 4=-9 (LC 12)
Max Grav 2=317 (LC 37), 4=282 (LC 38)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/27, 2-3=-52/0
BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C
Exterior(2E) zone; cantilever left and right exposed ; end
vertical left and right exposed;C-C for members and
forces & MWFRS for reactions shown; Lumber
DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate
DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9;
Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load
applied where required.
- 3) Unbalanced snow loads have been considered for this
design.
- 4) This truss has been designed for greater of min roof live
load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on
overhangs non-concurrent with other live loads.
- 5) 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
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members.
 - 7) All bearings are assumed to be User Defined crushing
capacity of 625 psi.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 52 lb uplift at joint
2 and 9 lb uplift at joint 4.
 - 10) This truss has been designed for a moving concentrated
load of 250.0lb live and 10.0lb dead located at all mid
panels and at all panel points along the Bottom Chord,
nonconcurrent with any other live loads.
- LOAD CASE(S)** Standard



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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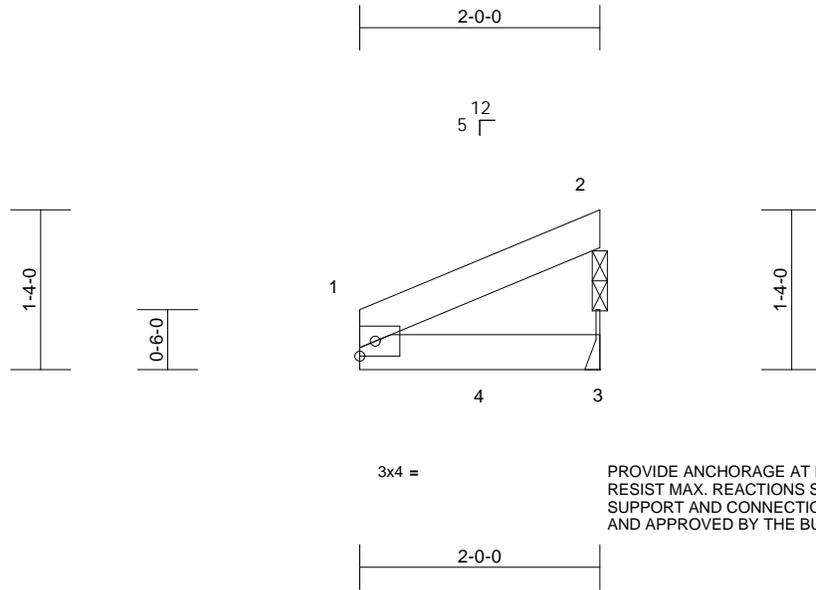
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Roseville, CA 95661
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Job 4070682	Truss M01	Truss Type Monopitch	Qty 12	Ply 1	JTSC Spring Meadow BLDG3 part 2 of 2 Job Reference (optional)	R82993818
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ProBuild West (Closed), Beaverton, OR - 97005,

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Page: 1



Scale = 1:19.1

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	8.0	Code	IBC2021/TPI2014	Matrix-P								
										Weight: 6 lb	FT = 20%	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS

(size) 2=0-1-8, 3= Mechanical
Max Horiz 2=574 (LC 36), 3=574 (LC 36)
Max Uplift 2=-25 (LC 12), 3=-9 (LC 12)
Max Grav 2=316 (LC 36), 3=276 (LC 37)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-279/653
BOT CHORD 1-3=-574/279

NOTES

- 1) Wind: ASCE 7-16; Vult=135mph (3-second gust)
Vasd=107mph; TCDL=6.0psf; BCDL=4.8psf; h=25ft;
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C
Exterior(2E) zone; cantilever left and right exposed ; end
vertical left and right exposed;C-C for members and
forces & MWFRS for reactions shown; Lumber
DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate
DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9;
Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load
applied where required.
- 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
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members.
- 6) All bearings are assumed to be User Defined crushing
capacity of 625 psi.

- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to
bearing plate at joint(s) 2.
- 9) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 25 lb uplift at joint
2 and 9 lb uplift at joint 3.
- 10) n/a
- 11) Beveled plate or shim required to provide full bearing
surface with truss chord at joint(s) 2.
- 12) This truss has been designed for a moving concentrated
load of 250.0lb live and 10.0lb dead located at all mid
panels and at all panel points along the Bottom Chord,
nonconcurrent with any other live loads.

LOAD CASE(S) Standard



EXPIRES: 12/31/2024
June 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

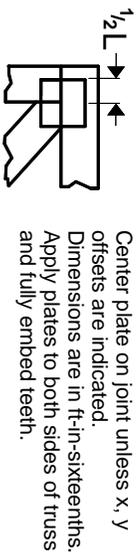
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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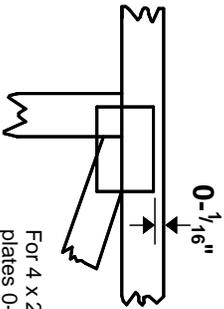
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Roseville, CA 95661
916.755.3571 / MiTek-US.com

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 MITtek software or upon request.

PLATE SIZE

4 X 4

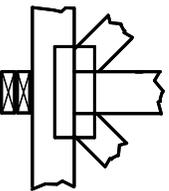
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

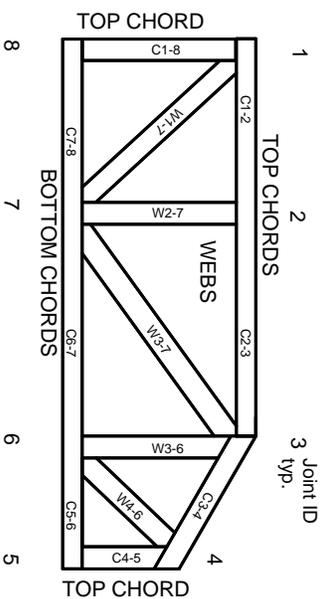


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TFP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & 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-1-1988, ESR-2-362, ESR-2-685, ESR-3-282
ESR-4-722, ESL-1-388

Design General Notes

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TFP 1 section 6.3. These truss designs rely on Lumber values established by others.

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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability/bracing for truss system, e.g. diagonal or X-bracing, is always required. See 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/TFP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TFP 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/TFP 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.

MITek®

MITtek Engineering Reference Sheet: Mill-7473 rev. 1/2/2023



J0107 Cant (Joist)

BC CALC® Member Report

Dry | 2 spans | R cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

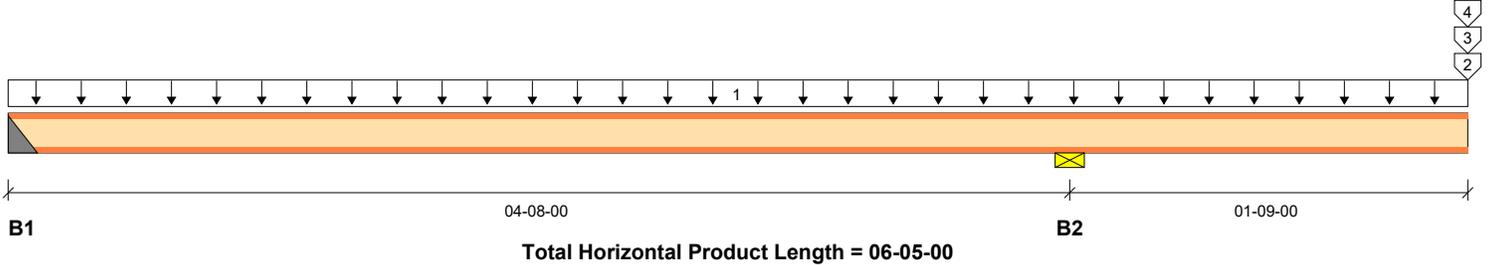
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	191 / 88	0 / 47	0 / 58		
B2, 3-1/2"	571 / 0	758 / 0	208 / 0		

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	06-05-00	Top	40	25				24"
2	Roof Load	Conc. Lin. (lb/ft)	R	00-00-00	00-00-00	Top		45	75			24"
3	Floor Load Above	Conc. Lin. (lb/ft)	R	00-00-00	00-00-00	Top	80	50				24"
4	Wall load	Conc. Lin. (lb/ft)	R	00-00-00	00-00-00	Top		100				24"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	65 ft-lbs	2.1%	100%	2	01-01-02
Neg. Moment	-1162 ft-lbs	36.9%	100%	1	04-08-00
End Reaction	144 lbs	13.4%	100%	2	00-00-00
Int. Reaction	1329 lbs	59.1%	100%	1	04-08-00
End Shear	144 lbs	8.8%	100%	3	00-02-00
Cont. Shear	759 lbs	46.7%	100%	1	04-09-12
Total Load Deflection	2xL/1998 (0.047")	n/a	n/a	7	06-05-00
Live Load Deflection	2xL/1998 (0.019")	n/a	n/a	14	06-05-00
Total Neg. Defl.	L/999 (-0.005")	n/a	n/a	7	02-11-04
Max Defl.	-0.005"	n/a	n/a	7	02-11-04
Cant. Max Defl.	0.047"	n/a	n/a	7	06-05-00
Span / Depth	4.6				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger 2" x 2"	144 lbs	n/a	13.4%	Hanger
B1	Uplift	156 lbs			
B2	Wall/Plate 3-1/2" x 2"	1329 lbs	n/a	59.1%	Unspecified

NREV24-0035 & NDEF24-0015 / 4021 E Jory Street, Newberg / Layouts & Calcs

REVIEWED AND APPROVED FOR CODE COMPLIANCE

PLAN REVIEW DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF FEDERAL, STATE, OR LOCAL REGULATIONS, NOR DOES IT RELIEVE DESIGNER FROM ANY LIABILITY OR RESPONSIBILITY.

By: Clair Company; December 27, 2024

Clair Project #1041-113

BC FloorValue® Summary

BC FloorValue®:	Subfloor: 3/4" OSB, Glue + Nail
	Minimum Enhanced Premium Subfloor Rating: Code Minimum
Controlling Location:	06-05-00

Cautions

Uplift of -156 lbs found at bearing B1.

Design assumes Top and Bottom flanges to be restrained.

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

**J0107 Cant (Joist)**

BC CALC® Member Report

Dry | 2 spans | R cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver

Notes

Design meets User specified (2xL/240) Total load deflection criteria.

Design meets User specified (2xL/360) Live load deflection criteria.

Design meets arbitrary (1") Maximum Total load deflection criteria.

Design meets arbitrary (1") Cantilever Maximum Total load deflection criteria.

Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.

Design based on Dry Service Condition.

BC CALC® analysis is based on IBC 2018.

Calculations assume member is fully braced.

Cantilevers require sheathed bottom edges, blocking at cantilever support and closure at ends.

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.



Single 11-7/8" BCI® 5000-1.7 DF

PASSED

J0112 (Joist)

BC CALC® Member Report

Dry | 1 span | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

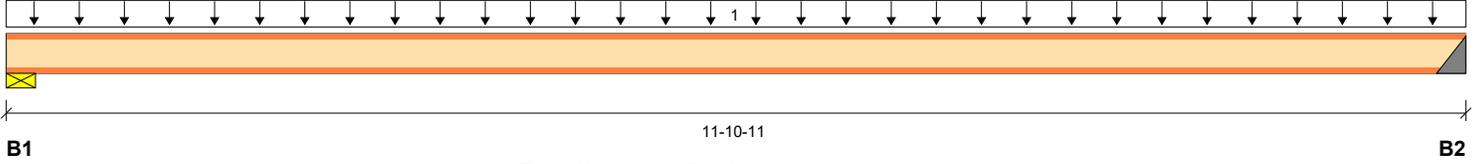
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Total Horizontal Product Length = 11-10-11

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	481 / 0	300 / 0			
B2, 2"	471 / 0	294 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	11-10-11	Top	40	25				24"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2171 ft-lbs	68.9%	100%	1	06-00-02
End Reaction	765 lbs	71.6%	100%	1	11-10-11
End Shear	743 lbs	45.7%	100%	1	00-03-08
Total Load Deflection	L/775 (0.179")	46.4%	n/a	1	06-00-02
Live Load Deflection	L/999 (0.11")	n/a	n/a	2	06-00-02
Max Defl.	0.179"	17.9%	n/a	1	06-00-02
Span / Depth	11.7				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate 3-1/2" x 2"	781 lbs	n/a	54.8%	Unspecified
B2	Hanger 2" x 2"	765 lbs	n/a	71.6%	Hanger

BC FloorValue® Summary

BC FloorValue®: Subfloor: 3/4" OSB, Glue + Nail
 Minimum Enhanced Premium Subfloor Rating: Code Minimum
 Controlling Location: 06-00-01

Cautions

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
 Design meets User specified (L/480) Live load deflection criteria.
 Design meets arbitrary (1") Maximum Total load deflection criteria.
 Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
 Design based on Dry Service Condition.
 BC CALC® analysis is based on IBC 2018.
 Calculations assume member is fully braced.

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.



Single 11-7/8" BCI® 5000-1.7 DF

PASSED

J0113 (Joist)

BC CALC® Member Report

Dry | 1 span | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

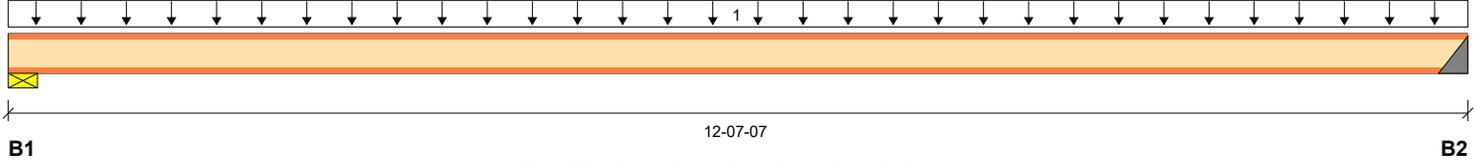
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Total Horizontal Product Length = 12-07-07

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	510 / 0	319 / 0			
B2, 2"	500 / 0	312 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	12-07-07	Top	40	25				24"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2453 ft-lbs	77.9%	100%	1	06-04-07
End Reaction	812 lbs	76.0%	100%	1	12-07-07
End Shear	790 lbs	48.6%	100%	1	00-03-08
Total Load Deflection	L/659 (0.224")	54.6%	n/a	1	06-04-07
Live Load Deflection	L/1071 (0.138")	44.8%	n/a	2	06-04-07
Max Defl.	0.224"	22.4%	n/a	1	06-04-07
Span / Depth	12.4				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate 3-1/2" x 2"	828 lbs	n/a	58.1%	Unspecified
B2	Hanger 2" x 2"	812 lbs	n/a	76.0%	Hanger

BC FloorValue® Summary

BC FloorValue®: Subfloor: 3/4" OSB, Glue + Nail
 Minimum Enhanced Premium Subfloor Rating: Code Minimum
 Controlling Location: 06-04-07

Cautions

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
 Design meets User specified (L/480) Live load deflection criteria.
 Design meets arbitrary (1") Maximum Total load deflection criteria.
 Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
 Design based on Dry Service Condition.
 BC CALC® analysis is based on IBC 2018.
 Calculations assume member is fully braced.

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.



J0115 (Joist)

BC CALC® Member Report

Dry | 1 span | No cant. | 19.2" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

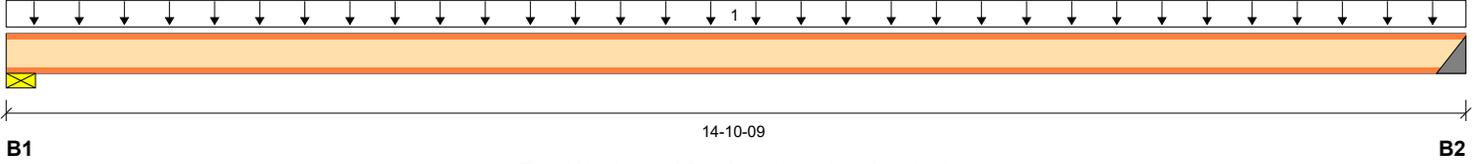
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	480 / 0	300 / 0			
B2, 2"	472 / 0	295 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	14-10-09	Top	40	25				19.2"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2751 ft-lbs	43.7%	100%	1	07-06-00
End Reaction	767 lbs	35.9%	100%	1	14-10-09
End Shear	750 lbs	23.1%	100%	1	00-03-08
Total Load Deflection	L/909 (0.192")	39.6%	n/a	1	07-06-00
Live Load Deflection	L/999 (0.118")	n/a	n/a	2	07-06-00
Max Defl.	0.192"	19.2%	n/a	1	07-06-00
Span / Depth	14.7				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate 3-1/2" x 4"	780 lbs	n/a	27.4%	Unspecified
B2	Hanger 2" x 4"	767 lbs	n/a	35.9%	Hanger

BC FloorValue® Summary

BC FloorValue®: Subfloor: 3/4" OSB, Glue + Nail
 Minimum Enhanced Premium Subfloor Rating: Enhanced
 Controlling Location: 07-06-01

Cautions

All multiple member 11-7/8" BCI® 5000-1.7 DF applications with side load or unevenly distributed top load require filler blocks and fasteners. See Boise Cascade Technical Note IJ-13 for further information.
 Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
 Design meets User specified (L/480) Live load deflection criteria.
 Design meets arbitrary (1") Maximum Total load deflection criteria.
 Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
 Design based on Dry Service Condition.
 BC CALC® analysis is based on IBC 2018.
 Calculations assume member is fully braced.

Disclosure

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 Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods.
 Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.



Single 11-7/8" BCI® 5000-1.7 DF

PASSED

J0120 (Joist)

BC CALC® Member Report

Dry | 2 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

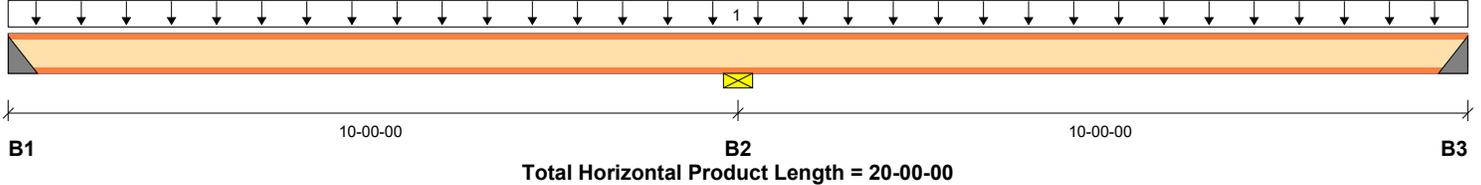
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	359 / 45	196 / 0			
B2, 3-1/2"	972 / 0	608 / 0			
B3, 2"	359 / 45	196 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	20-00-00	Top	40	25				24"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1128 ft-lbs	35.8%	100%	3	15-08-09
Neg. Moment	-1453 ft-lbs	46.1%	100%	1	10-00-00
End Reaction	555 lbs	51.9%	100%	2	00-00-00
Int. Reaction	1580 lbs	70.2%	100%	1	10-00-00
End Shear	533 lbs	32.8%	100%	2	00-02-00
Cont. Shear	771 lbs	47.4%	100%	1	09-10-04
Total Load Deflection	L/999 (0.073")	n/a	n/a	3	15-02-12
Live Load Deflection	L/999 (0.05")	n/a	n/a	6	15-01-05
Total Neg. Defl.	L/999 (-0.001")	n/a	n/a	2	10-08-07
Max Defl.	0.073"	n/a	n/a	3	15-02-12
Span / Depth	10.0				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger 2" x 2"	555 lbs	n/a	51.9%	Hanger
B2	Wall/Plate 3-1/2" x 2"	1580 lbs	n/a	70.2%	Unspecified
B3	Hanger 2" x 2"	555 lbs	n/a	51.9%	Hanger

BC FloorValue® Summary

BC FloorValue®: Minimum Enhanced Premium Subfloor: 3/4" OSB, Glue + Nail
 Minimum Enhanced Premium Subfloor Rating: Code Minimum
 Controlling Location: 05-00-10

Cautions

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.
 Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

**J0120 (Joist)**

BC CALC® Member Report

Dry | 2 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver

Notes

Design meets User specified (L/360) Total load deflection criteria.

Design meets User specified (L/480) Live load deflection criteria.

Design meets arbitrary (1") Maximum Total load deflection criteria.

Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.

Design based on Dry Service Condition.

BC CALC® analysis is based on IBC 2018.

Calculations assume member is fully braced.

Disclosure

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Single 11-7/8" BCI® 5000-1.7 DF

PASSED

J0124 (Joist)

BC CALC® Member Report

Dry | 2 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

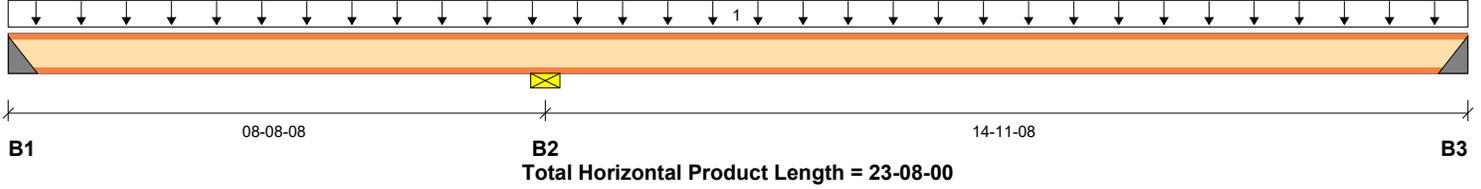
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	323 / 151	107 / 0			
B2, 3-1/2"	1224 / 0	765 / 0			
B3, 2"	515 / 17	311 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft ²)	L	00-00-00	23-08-00	Top	40	25				24"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2539 ft-lbs	80.6%	100%	3	17-04-06
Neg. Moment	-2527 ft-lbs	80.2%	100%	1	08-08-08
End Reaction	826 lbs	77.3%	100%	3	23-08-00
Int. Reaction	1989 lbs	88.4%	100%	1	08-08-08
End Shear	804 lbs	49.5%	100%	3	23-06-00
Cont. Shear	1117 lbs	68.7%	100%	1	08-10-04
Total Load Deflection	L/589 (0.303")	61.2%	n/a	3	16-06-14
Live Load Deflection	L/925 (0.193")	51.9%	n/a	6	16-06-14
Total Neg. Defl.	L/999 (-0.029")	n/a	n/a	3	05-06-13
Max Defl.	0.303"	30.3%	n/a	3	16-06-14
Span / Depth	15.0				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger 2" x 2"	430 lbs	n/a	40.3%	Hanger
B2	Wall/Plate 3-1/2" x 2"	1989 lbs	n/a	88.4%	Unspecified
B3	Hanger 2" x 2"	826 lbs	n/a	77.3%	Hanger

BC FloorValue® Summary

BC FloorValue®: Subfloor: 3/4" OSB, Glue + Nail
 Minimum Enhanced Premium Subfloor Rating: Code Minimum
 Controlling Location: 16-01-10

Cautions

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.
 Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

**J0124 (Joist)**

BC CALC® Member Report

Dry | 2 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver

Notes

Design meets User specified (L/360) Total load deflection criteria.

Design meets User specified (L/480) Live load deflection criteria.

Design meets arbitrary (1") Maximum Total load deflection criteria.

Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.

Design based on Dry Service Condition.

BC CALC® analysis is based on IBC 2018.

Calculations assume member is fully braced.

Disclosure

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Single 11-7/8" BCI® 5000-1.7 DF

PASSED

J0125 (Joist)

BC CALC® Member Report

Dry | 2 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

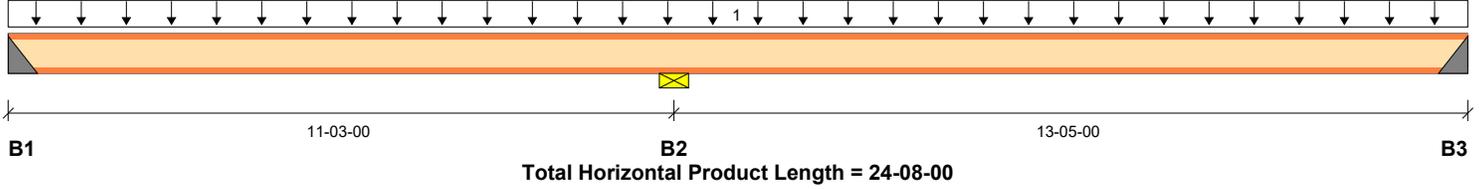
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	406 / 81	203 / 0			
B2, 3-1/2"	1216 / 0	760 / 0			
B3, 2"	473 / 40	270 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	24-08-00	Top	40	25				24"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2047 ft-lbs	65.0%	100%	3	18-11-14
Neg. Moment	-2340 ft-lbs	74.3%	100%	1	11-03-00
End Reaction	743 lbs	69.5%	100%	3	24-08-00
Int. Reaction	1975 lbs	87.8%	100%	1	11-03-00
End Shear	721 lbs	44.4%	100%	3	24-06-00
Cont. Shear	1022 lbs	62.9%	100%	1	11-04-12
Total Load Deflection	L/780 (0.205")	46.2%	n/a	3	18-03-09
Live Load Deflection	L/1167 (0.137")	41.1%	n/a	6	18-02-08
Total Neg. Defl.	L/999 (-0.016")	n/a	n/a	3	08-06-14
Max Defl.	0.205"	20.5%	n/a	3	18-03-09
Span / Depth	13.5				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger 2" x 2"	609 lbs	n/a	57.0%	Hanger
B2	Wall/Plate 3-1/2" x 2"	1975 lbs	n/a	87.8%	Unspecified
B3	Hanger 2" x 2"	743 lbs	n/a	69.5%	Hanger

BC FloorValue® Summary

BC FloorValue®: Subfloor: 3/4" OSB, Glue + Nail
 Minimum Enhanced Premium Subfloor Rating: Code Minimum
 Controlling Location: 17-10-14

Cautions

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.
 Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.



J0125 (Joist)

BC CALC® Member Report

Dry | 2 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver

Notes

Design meets User specified (L/360) Total load deflection criteria.

Design meets User specified (L/480) Live load deflection criteria.

Design meets arbitrary (1") Maximum Total load deflection criteria.

Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.

Design based on Dry Service Condition.

BC CALC® analysis is based on IBC 2018.

Calculations assume member is fully braced.

Disclosure

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Single 11-7/8" BCI® 5000-1.7 DF

PASSED

J0126 (Joist)

BC CALC® Member Report

Dry | 2 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

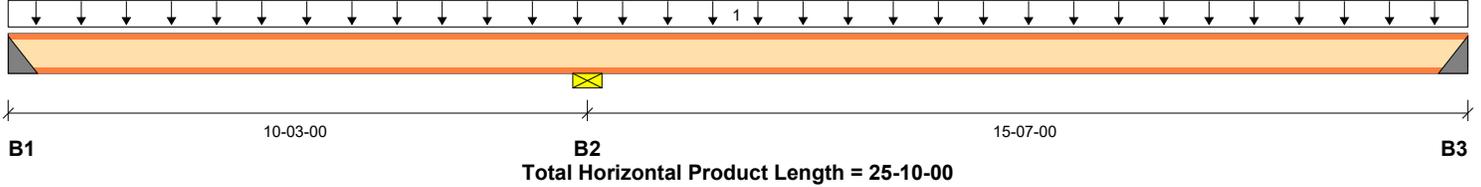
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	376 / 135	151 / 0			
B2, 3-1/2"	1311 / 0	819 / 0			
B3, 2"	539 / 25	322 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	25-10-00	Top	40	25				24"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2760 ft-lbs	87.6%	100%	3	19-03-05
Neg. Moment	-2845 ft-lbs	90.3%	100%	1	10-03-00
End Reaction	861 lbs	80.5%	100%	3	25-10-00
Int. Reaction	2130 lbs	94.7%	100%	1	10-03-00
End Shear	839 lbs	51.6%	100%	3	25-08-00
Cont. Shear	1171 lbs	72.1%	100%	1	10-04-12
Total Load Deflection	L/527 (0.353")	68.4%	n/a	3	18-05-06
Live Load Deflection	L/816 (0.228")	58.8%	n/a	6	18-05-06
Total Neg. Defl.	L/999 (-0.038")	n/a	n/a	3	06-09-00
Max Defl.	0.353"	35.3%	n/a	3	18-05-06
Span / Depth	15.6				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger 2" x 2"	527 lbs	n/a	49.3%	Hanger
B2	Wall/Plate 3-1/2" x 2"	2130 lbs	n/a	94.7%	Unspecified
B3	Hanger 2" x 2"	861 lbs	n/a	80.5%	Hanger

BC FloorValue® Summary

BC FloorValue®: Subfloor: 3/4" OSB, Glue + Nail
 Minimum Enhanced Premium Subfloor Rating: Code Minimum
 Controlling Location: 17-11-14

Cautions

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.
 Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

**J0126 (Joist)**

BC CALC® Member Report

Dry | 2 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver

Notes

Design meets User specified (L/360) Total load deflection criteria.

Design meets User specified (L/480) Live load deflection criteria.

Design meets arbitrary (1") Maximum Total load deflection criteria.

Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.

Design based on Dry Service Condition.

BC CALC® analysis is based on IBC 2018.

Calculations assume member is fully braced.

Disclosure

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J0137 (Joist)

BC CALC® Member Report

Dry | 3 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

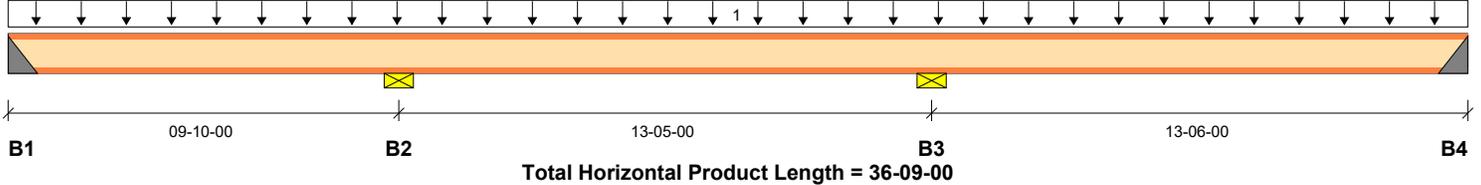
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	380 / 83	185 / 0			
B2, 3-1/2"	1094 / 0	618 / 0			
B3, 3-1/2"	1265 / 0	764 / 0			
B4, 2"	483 / 51	270 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	36-09-00	Top	40	25				24"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2105 ft-lbs	66.8%	100%	2	31-00-08
Neg. Moment	-2520 ft-lbs	80.0%	100%	5	23-03-00
End Reaction	753 lbs	70.5%	100%	2	36-09-00
Int. Reaction	2029 lbs	90.2%	100%	5	23-03-00
End Shear	732 lbs	45.0%	100%	2	36-07-00
Cont. Shear	1040 lbs	64.0%	100%	5	23-04-12
Total Load Deflection	L/752 (0.214")	47.8%	n/a	2	30-04-01
Live Load Deflection	L/1105 (0.145")	43.4%	n/a	7	30-02-00
Total Neg. Defl.	L/999 (-0.025")	n/a	n/a	2	19-08-02
Max Defl.	0.214"	21.4%	n/a	2	30-04-01
Span / Depth	13.5				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger 2" x 2"	565 lbs	n/a	52.9%	Hanger
B2	Wall/Plate 3-1/2" x 2"	1711 lbs	n/a	76.1%	Unspecified
B3	Wall/Plate 3-1/2" x 2"	2029 lbs	n/a	90.2%	Unspecified
B4	Hanger 2" x 2"	753 lbs	n/a	70.5%	Hanger

BC FloorValue® Summary

BC FloorValue®: Subfloor: 3/4" OSB, Glue + Nail
 Minimum Enhanced Premium Subfloor Rating: Code Minimum
 Controlling Location: 29-11-06

Cautions

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.
 Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.



J0137 (Joist)

BC CALC® Member Report

Dry | 3 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver

Notes

Design meets User specified (L/360) Total load deflection criteria.

Design meets User specified (L/480) Live load deflection criteria.

Design meets arbitrary (1") Maximum Total load deflection criteria.

Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.

Design based on Dry Service Condition.

BC CALC® analysis is based on IBC 2018.

Calculations assume member is fully braced.

Disclosure

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Single 11-7/8" BCI® 5000-1.7 DF

PASSED

J0140 Cant (Joist)

BC CALC® Member Report

Dry | 4 spans | R cant. | 19.2" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

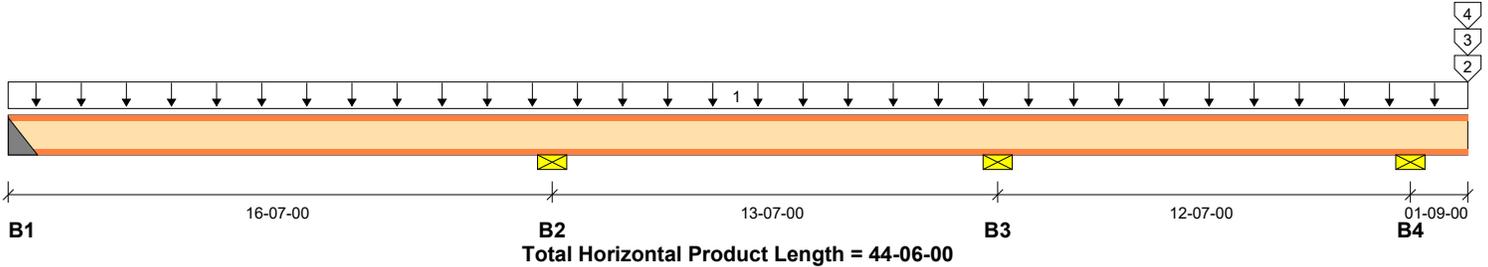
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	469 / 32	272 / 0	0 / 1		
B2, 3-1/2"	1172 / 0	703 / 0	4 / 0		
B3, 3-1/2"	994 / 0	479 / 0	0 / 24		
B4, 3-1/2"	572 / 0	598 / 0	140 / 0		

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft ²)	L	00-00-00	44-06-00	Top	40	25				19.2"
2	Wall load	Conc. Lin. (lb/ft)	R	00-00-00	00-00-00	Top		100				19.2"
3	Floor Load Above	Conc. Lin. (lb/ft)	R	00-00-00	00-00-00	Top	40	25				19.2"
4	Roof Load	Conc. Lin. (lb/ft)	R	00-00-00	00-00-00	Top		45	75			19.2"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2558 ft-lbs	81.2%	100%	2	07-02-04
Neg. Moment	-2748 ft-lbs	87.2%	100%	4	16-07-00
End Reaction	740 lbs	69.3%	100%	2	00-00-00
Int. Reaction	1875 lbs	83.3%	100%	4	16-07-00
End Shear	723 lbs	44.5%	100%	2	00-02-00
Cont. Shear	1009 lbs	62.1%	100%	4	16-05-04
Total Load Deflection	L/527 (0.375")	68.3%	n/a	2	07-10-04
Live Load Deflection	L/795 (0.249")	60.4%	n/a	15	07-10-04
Total Neg. Defl.	L/999 (-0.068")	n/a	n/a	2	21-11-09
Max Defl.	0.375"	37.5%	n/a	2	07-10-04
Cant. Max Defl.	0.035"	n/a	n/a	10	44-06-00
Span / Depth	16.7				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger 2" x 2"	740 lbs	n/a	69.3%	Hanger
B2	Wall/Plate 3-1/2" x 2"	1875 lbs	n/a	83.3%	Unspecified
B3	Wall/Plate 3-1/2" x 2"	1473 lbs	n/a	65.5%	Unspecified
B4	Wall/Plate 3-1/2" x 2"	1170 lbs	n/a	52.0%	Unspecified

BC FloorValue® Summary

BC FloorValue®: Subfloor: 3/4" OSB, Glue + Nail

Minimum Enhanced Premium Subfloor Rating: Enhanced

Controlling Location: 08-04-02

**J0140 Cant (Joist)**

BC CALC® Member Report

Dry | 4 spans | R cant. | 19.2" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver

Cautions

Design assumes Top and Bottom flanges to be restrained.

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.

Design meets User specified (L/480) Live load deflection criteria.

Design meets arbitrary (1") Maximum Total load deflection criteria.

Design meets arbitrary (1") Cantilever Maximum Total load deflection criteria.

Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.

Design based on Dry Service Condition.

BC CALC® analysis is based on IBC 2018.

Calculations assume member is fully braced.

Cantilevers require sheathed bottom edges, blocking at cantilever support and closure at ends.

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J0216 (Joist)

BC CALC® Member Report

Dry | 1 span | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

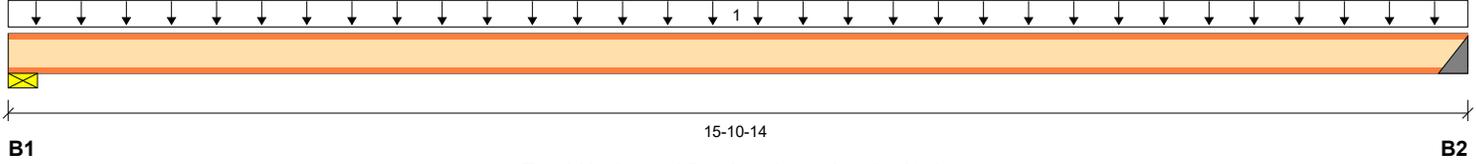
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Total Horizontal Product Length = 15-10-14

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	641 / 0	401 / 0			
B2, 2"	631 / 0	395 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	15-10-14	Top	40	25				24"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	3941 ft-lbs	97.1%	100%	1	08-00-03
End Reaction	1026 lbs	82.9%	100%	1	15-10-14
End Shear	1004 lbs	59.9%	100%	1	00-03-08
Total Load Deflection	L/398 (0.47")	90.5%	n/a	1	08-00-03
Live Load Deflection	L/646 (0.289")	74.3%	n/a	2	08-00-03
Max Defl.	0.47"	47.0%	n/a	1	08-00-03
Span / Depth	15.7				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate 3-1/2" x 2-5/16"	1042 lbs	n/a	73.1%	Unspecified
B2	Hanger 2" x 2-5/16"	1026 lbs	n/a	82.9%	Hanger

BC FloorValue® Summary

BC FloorValue®: Subfloor: 3/4" OSB, Glue + Nail
Minimum Enhanced Premium Subfloor Rating: Code Minimum
Controlling Location: 08-00-03

Cautions

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
BC CALC® analysis is based on IBC 2018.
Calculations assume member is fully braced.

Disclosure

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Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.



Single 11-7/8" BCI® 6000-1.8 DF

PASSED

J0225 (Joist)

BC CALC® Member Report

Dry | 2 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

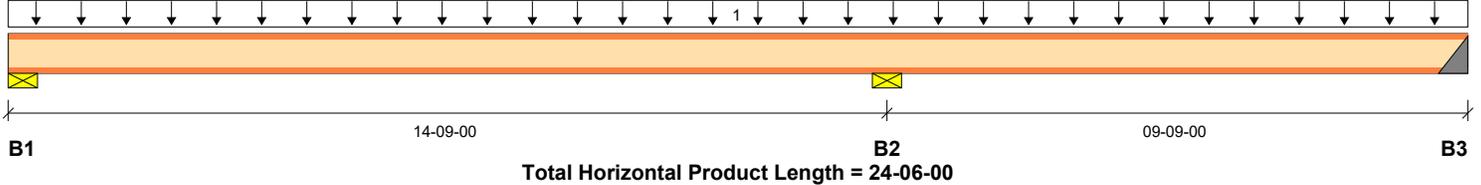
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	518 / 24	309 / 0			
B2, 3-1/2"	1229 / 0	768 / 0			
B3, 2"	358 / 122	148 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	24-06-00	Top	40	25				24"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2446 ft-lbs	60.3%	100%	2	06-03-08
Neg. Moment	-2469 ft-lbs	60.8%	100%	1	14-09-00
End Reaction	827 lbs	58.1%	100%	2	00-00-00
Int. Reaction	1997 lbs	79.9%	100%	1	14-09-00
End Shear	789 lbs	47.1%	100%	2	00-03-08
Cont. Shear	1095 lbs	65.4%	100%	1	14-07-04
Total Load Deflection	L/703 (0.248")	51.2%	n/a	2	07-00-12
Live Load Deflection	L/1092 (0.16")	43.9%	n/a	5	07-00-12
Total Neg. Defl.	L/999 (-0.022")	n/a	n/a	2	17-10-06
Max Defl.	0.248"	24.8%	n/a	2	07-00-12
Span / Depth	14.7				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate 3-1/2" x 2-5/16"	827 lbs	n/a	58.1%	Unspecified
B2	Wall/Plate 3-1/2" x 2-5/16"	1997 lbs	n/a	79.9%	Unspecified
B3	Hanger 2" x 2-5/16"	506 lbs	n/a	40.9%	Hanger

BC FloorValue® Summary

BC FloorValue®: Subfloor: 3/4" OSB, Glue + Nail
 Minimum Enhanced Premium Subfloor Rating: Code Minimum
 Controlling Location: 07-05-14

Cautions

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

**J0225 (Joist)**

BC CALC® Member Report

Dry | 2 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver

Notes

Design meets User specified (L/360) Total load deflection criteria.

Design meets User specified (L/480) Live load deflection criteria.

Design meets arbitrary (1") Maximum Total load deflection criteria.

Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.

Design based on Dry Service Condition.

BC CALC® analysis is based on IBC 2018.

Calculations assume member is fully braced.

Disclosure

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J0239 (Joist)

BC CALC® Member Report

Dry | 3 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

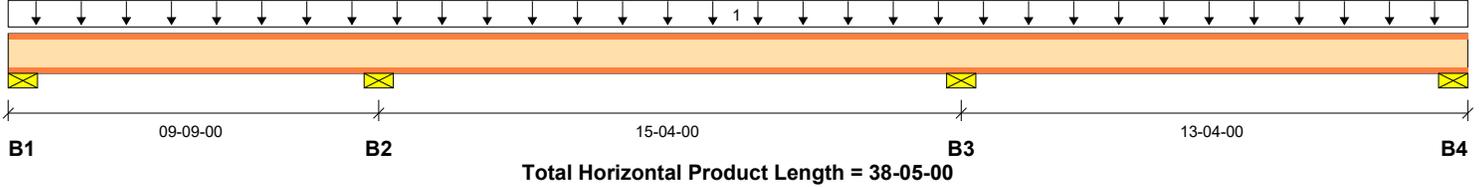
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	385 / 116	168 / 0			
B2, 3-1/2"	1184 / 0	685 / 0			
B3, 3-1/2"	1326 / 0	808 / 0			
B4, 3-1/2"	488 / 72	260 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	38-05-00	Top	40	25				24"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1980 ft-lbs	48.8%	100%	2	32-08-06
Neg. Moment	-2786 ft-lbs	68.6%	100%	5	25-01-00
End Reaction	747 lbs	52.4%	100%	2	38-05-00
Int. Reaction	2134 lbs	85.4%	100%	5	25-01-00
End Shear	709 lbs	42.4%	100%	2	38-01-08
Cont. Shear	1050 lbs	62.7%	100%	5	24-11-04
Total Load Deflection	L/879 (0.209")	41.0%	n/a	3	17-05-00
Live Load Deflection	L/1237 (0.149")	38.8%	n/a	8	17-05-00
Total Neg. Defl.	L/999 (-0.017")	n/a	n/a	3	06-10-12
Max Defl.	0.209"	20.9%	n/a	3	17-05-00
Span / Depth	15.5				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate 3-1/2" x 2-5/16"	553 lbs	n/a	38.8%	Unspecified
B2	Wall/Plate 3-1/2" x 2-5/16"	1869 lbs	n/a	74.8%	Unspecified
B3	Wall/Plate 3-1/2" x 2-5/16"	2134 lbs	n/a	85.4%	Unspecified
B4	Wall/Plate 3-1/2" x 2-5/16"	747 lbs	n/a	52.4%	Unspecified

BC FloorValue® Summary

BC FloorValue®: Subfloor: 3/4" OSB, Glue + Nail
 Minimum Enhanced Premium Subfloor Rating: Code Minimum
 Controlling Location: 17-05-00

Notes

- Design meets User specified (L/360) Total load deflection criteria.
- Design meets User specified (L/480) Live load deflection criteria.
- Design meets arbitrary (1") Maximum Total load deflection criteria.
- Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
- Design based on Dry Service Condition.
- BC CALC® analysis is based on IBC 2018.
- Calculations assume member is fully braced.

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.



Single 11-7/8" BCI® 6000-1.8 DF

PASSED

J0241 (Joist)

BC CALC® Member Report

Dry | 3 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

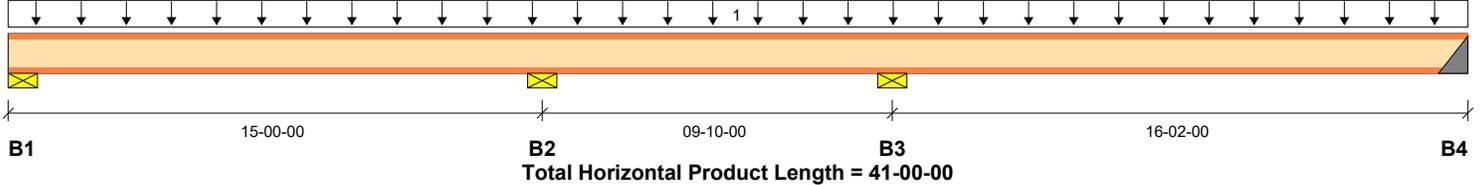
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	540 / 21	324 / 0			
B2, 3-1/2"	1235 / 0	652 / 0			
B3, 3-1/2"	1325 / 0	732 / 0			
B4, 2"	566 / 19	342 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	41-00-00	Top	40	25				24"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	3082 ft-lbs	75.9%	100%	2	33-11-14
Neg. Moment	-2861 ft-lbs	70.5%	100%	5	24-10-00
End Reaction	909 lbs	73.4%	100%	2	41-00-00
Int. Reaction	2057 lbs	82.3%	100%	5	24-10-00
End Shear	887 lbs	53.0%	100%	2	40-10-00
Cont. Shear	1203 lbs	71.8%	100%	5	24-11-12
Total Load Deflection	L/520 (0.37")	69.2%	n/a	2	33-04-01
Live Load Deflection	L/819 (0.235")	58.6%	n/a	7	33-04-01
Total Neg. Defl.	L/999 (-0.072")	n/a	n/a	2	20-00-07
Max Defl.	0.37"	37.0%	n/a	2	33-04-01
Span / Depth	16.2				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate 3-1/2" x 2-5/16"	864 lbs	n/a	60.6%	Unspecified
B2	Wall/Plate 3-1/2" x 2-5/16"	1887 lbs	n/a	75.5%	Unspecified
B3	Wall/Plate 3-1/2" x 2-5/16"	2057 lbs	n/a	82.3%	Unspecified
B4	Hanger 2" x 2-5/16"	909 lbs	n/a	73.4%	Hanger

BC FloorValue® Summary

BC FloorValue®: Subfloor: 3/4" OSB, Glue + Nail
 Minimum Enhanced Premium Subfloor Rating: Code Minimum
 Controlling Location: 32-10-06

Cautions

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

**J0241 (Joist)**

BC CALC® Member Report

Dry | 3 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver

Notes

Design meets User specified (L/360) Total load deflection criteria.

Design meets User specified (L/480) Live load deflection criteria.

Design meets arbitrary (1") Maximum Total load deflection criteria.

Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.

Design based on Dry Service Condition.

BC CALC® analysis is based on IBC 2018.

Calculations assume member is fully braced.

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.



Single 11-7/8" BCI® 60-2.0 DF

PASSED

J0317 (Joist)

BC CALC® Member Report

Dry | 1 span | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

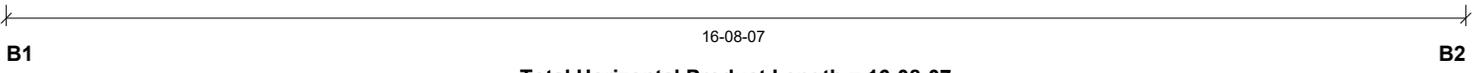
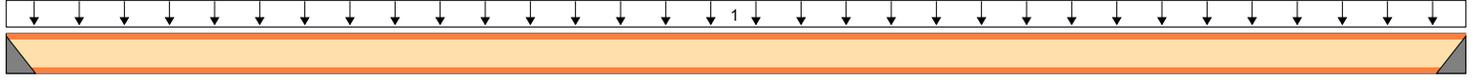
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Total Horizontal Product Length = 16-08-07

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	668 / 0	418 / 0			
B2, 2"	668 / 0	418 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	16-08-07	Top	40	25				24"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	4421 ft-lbs	70.9%	100%	1	08-04-03
End Reaction	1086 lbs	87.7%	100%	1	00-00-00
End Shear	1064 lbs	63.5%	100%	1	00-02-00
Total Load Deflection	L/434 (0.456")	83.0%	n/a	1	08-04-03
Live Load Deflection	L/705 (0.281")	68.1%	n/a	2	08-04-03
Max Defl.	0.456"	45.6%	n/a	1	08-04-03
Span / Depth	16.7				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger 2" x 2-5/16"	1086 lbs	n/a	87.7%	Hanger
B2	Hanger 2" x 2-5/16"	1086 lbs	n/a	87.7%	Hanger

BC FloorValue® Summary

 BC FloorValue®: Subfloor: 3/4" OSB, Glue + Nail
 Minimum Enhanced Premium Subfloor Rating: Code Minimum
 Controlling Location: 08-04-04

Cautions

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.
 Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
 Design meets User specified (L/480) Live load deflection criteria.
 Design meets arbitrary (1") Maximum Total load deflection criteria.
 Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
 Design based on Dry Service Condition.
 BC CALC® analysis is based on IBC 2018.
 Calculations assume member is fully braced.

Disclosure

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Single 11-7/8" BCI® 60-2.0 DF

PASSED

J0318 (Joist)

BC CALC® Member Report Dry | 1 span | No cant. | 19.2" OCS | Repetitive | Glued & nailed December 5, 2024 17:26:50

Build 8931

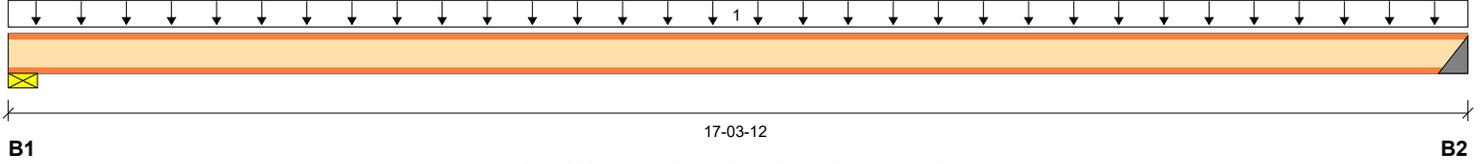
Job name: Spring Meadows File name: Typical I-joists

Address: Description:

City, State, Zip: Newberg, OR, 97123 Specifier: Horn Consulting Engineers

Customer: Designer: DBP

Code reports: ESR-1336 Company: BMD Vancouver



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	558 / 0	349 / 0			
B2, 2"	550 / 0	344 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	17-03-12	Top	40	25				19.2"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	3748 ft-lbs	60.1%	100%	1	08-08-10
End Reaction	894 lbs	72.2%	100%	1	17-03-12
End Shear	876 lbs	52.3%	100%	1	00-03-08
Total Load Deflection	L/488 (0.417")	73.8%	n/a	1	08-08-10
Live Load Deflection	L/793 (0.257")	60.5%	n/a	2	08-08-10
Max Defl.	0.417"	41.7%	n/a	1	08-08-10
Span / Depth	17.2				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate 3-1/2" x 2-5/16"	907 lbs	n/a	63.6%	Unspecified
B2	Hanger 2" x 2-5/16"	894 lbs	n/a	72.2%	Hanger

BC FloorValue® Summary

BC FloorValue®: Subfloor: 3/4" OSB, Glue + Nail
 Minimum Enhanced Premium Subfloor Rating: Enhanced
 Controlling Location: 08-08-10

Cautions

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
 Design meets User specified (L/480) Live load deflection criteria.
 Design meets arbitrary (1") Maximum Total load deflection criteria.
 Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
 Design based on Dry Service Condition.
 BC CALC® analysis is based on IBC 2018.
 Calculations assume member is fully braced.

Disclosure

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Single 11-7/8" BCI® 60-2.0 DF

PASSED

J0337 (Joist)

BC CALC® Member Report

Dry | 3 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

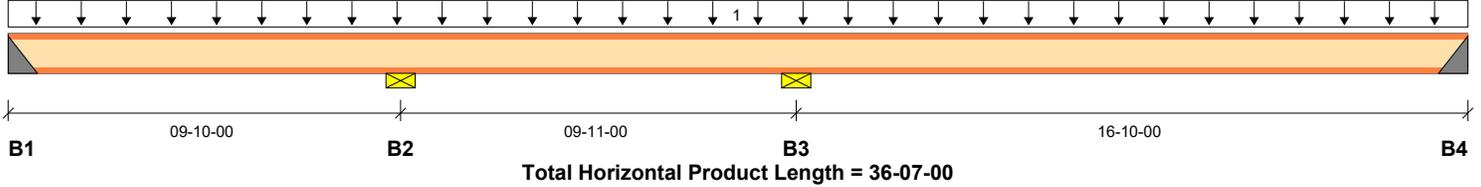
Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	383 / 40	214 / 0			
B2, 3-1/2"	929 / 0	439 / 0			
B3, 3-1/2"	1370 / 0	824 / 0			
B4, 2"	581 / 17	352 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	36-07-00	Top	40	25				24"

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	3250 ft-lbs	52.1%	100%	2	29-06-04
Neg. Moment	-3156 ft-lbs	50.6%	100%	5	19-09-00
End Reaction	933 lbs	75.4%	100%	2	36-07-00
Int. Reaction	2194 lbs	79.8%	100%	5	19-09-00
End Shear	911 lbs	54.4%	100%	2	36-05-00
Cont. Shear	1257 lbs	75.1%	100%	5	19-10-12
Total Load Deflection	L/615 (0.326")	58.5%	n/a	2	28-07-05
Live Load Deflection	L/971 (0.207")	49.5%	n/a	7	28-07-05
Total Neg. Defl.	L/999 (-0.038")	n/a	n/a	2	15-08-15
Max Defl.	0.326"	32.6%	n/a	2	28-07-05
Span / Depth	16.9				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material	
B1	Hanger	2" x 2-5/16"	597 lbs	n/a	48.2%	Hanger
B2	Wall/Plate	3-1/2" x 2-5/16"	1368 lbs	n/a	49.7%	Unspecified
B3	Wall/Plate	3-1/2" x 2-5/16"	2194 lbs	n/a	79.8%	Unspecified
B4	Hanger	2" x 2-5/16"	933 lbs	n/a	75.4%	Hanger

BC FloorValue® Summary

BC FloorValue®: Subfloor: 3/4" OSB, Glue + Nail
 Minimum Enhanced Premium Subfloor Rating: Code Minimum
 Controlling Location: 28-01-06

Cautions

Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.
 Hanger model Hanger was not found. Hanger has not been analyzed for adequate capacity.

**J0337 (Joist)**

BC CALC® Member Report

Dry | 3 spans | No cant. | 24" OCS | Repetitive | Glued & nailed

December 5, 2024 17:26:50

Build 8931

Job name: Spring Meadows

File name: Typical I-joists

Address:

Description:

City, State, Zip: Newberg, OR, 97123

Specifier: Horn Consulting Engineers

Customer:

Designer: DBP

Code reports: ESR-1336

Company: BMD Vancouver

Notes

Design meets User specified (L/360) Total load deflection criteria.

Design meets User specified (L/480) Live load deflection criteria.

Design meets arbitrary (1") Maximum Total load deflection criteria.

Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.

Design based on Dry Service Condition.

BC CALC® analysis is based on IBC 2018.

Calculations assume member is fully braced.

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REVIEWED AND APPROVED FOR CODE COMPLIANCE

PLAN REVIEW DOES NOT AUTHORIZE CONSTRUCTION TO
PROCEED IN VIOLATION OF FEDERAL, STATE, OR LOCAL
REGULATIONS, NOR DOES IT RELIEVE DESIGNER
FROM ANY LIABILITY OR RESPONSIBILITY.

By: Clair Company; December 27, 2024
Clair Project #1041-113

December 21, 2023

To Whom It May Concern:

MiTek holds many building product evaluation reports. The evaluation reports are published by ISO/IEC 17065 accredited agencies such as ICC Evaluation Service (ICC-ES) and IAPMO Uniform Evaluation Service (IAPMO UES).

To be addressed in an evaluation report, building products must comply with requirements in ICC-ES Acceptance Criteria that form the technical and administrative basis for product evaluation. Acceptance Criteria incorporate technical design standards referenced in the International Building and Residential Codes, issued by established industry organizations as ASTM, ACI, AISI, and ANSI. Acceptance Criteria provide a level playing field for evaluation of similar products from multiple manufacturers, ensuring that evaluation of structural framing hardware and shear walls is consistent across the industry. Some applicable ICC-ES Acceptance Criteria are:

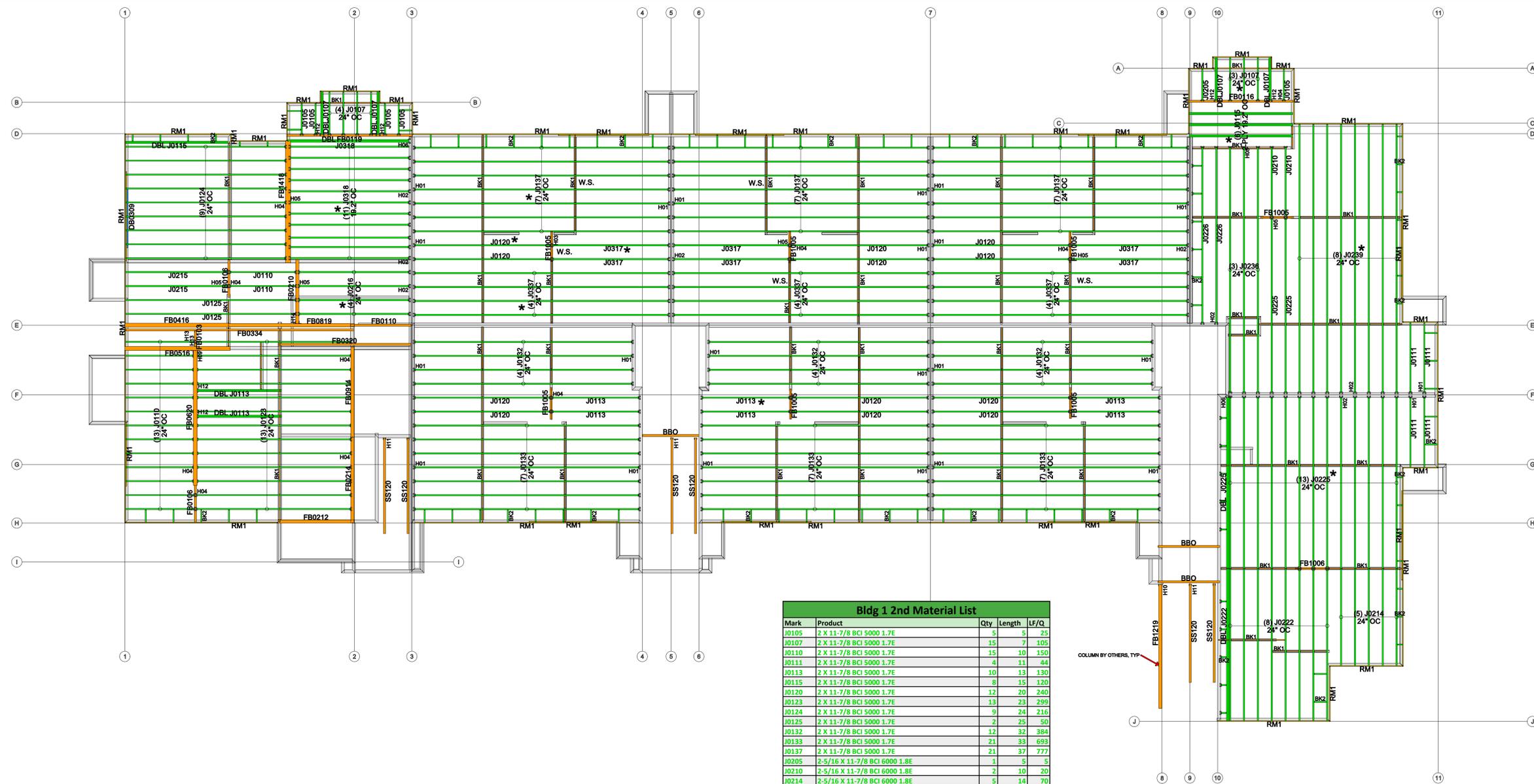
- Acceptance Criteria for Joist Hangers and Similar Devices (AC13)
- Acceptance Criteria for Hold-downs (Tie-downs) Attached to Wood Members (AC155)
- Acceptance Criteria for Shrinkage Compensating Devices (AC316)
- Acceptance Criteria for Prefabricated, Cold-formed Steel, Lateral-force-resisting Vertical Assemblies (AC322)
- Acceptance Criteria for Steel Connectors for Connecting Light-Frame Construction Members to Concrete (AC398)
- Acceptance Criteria for Cast-in-place Proprietary Bolts in Concrete for Light-frame Construction (AC399)

Most Acceptance Criteria require some laboratory testing such as load tests. Small variations in load testing of building products are expected. The Acceptance Criteria define the acceptable performance characteristics and variation. With load testing, it is typical for the same connector tested in multiple replicates to produce slightly varied results which are then analyzed statistically to determine the published load capacity in the evaluation report. Slight variation in load capacities between manufacturers evaluation reports is not necessarily an indication of superiority/inferiority, and there may be other performance characteristic requirements in the Acceptance Criteria such as stiffness, deflection, drift, durability and fire resistance.

For further questions on this matter, please reach out to the MiTek Building and Product Regulations Team.

Thank you,

Erin Walden, EIT
Manager of Code Relations
Building and Product Regulations Team
MiTek Inc.
952-898-8635
ewalden@mii.com



Mark	Product	Qty	Length	Lf/Q
J0105	2 X 11-7/8 BCI 5000 1.7E	5	5	25
J0107	2 X 11-7/8 BCI 5000 1.7E	15	7	105
J0110	2 X 11-7/8 BCI 5000 1.7E	15	10	150
J0111	2 X 11-7/8 BCI 5000 1.7E	4	11	44
J0113	2 X 11-7/8 BCI 5000 1.7E	10	13	130
J0115	2 X 11-7/8 BCI 5000 1.7E	8	15	120
J0120	2 X 11-7/8 BCI 5000 1.7E	12	20	240
J0123	2 X 11-7/8 BCI 5000 1.7E	13	23	299
J0124	2 X 11-7/8 BCI 5000 1.7E	9	24	216
J0125	2 X 11-7/8 BCI 5000 1.7E	2	25	50
J0132	2 X 11-7/8 BCI 5000 1.7E	12	32	384
J0133	2 X 11-7/8 BCI 5000 1.7E	21	33	693
J0137	2 X 11-7/8 BCI 5000 1.7E	21	37	777
J0205	2-5/16 X 11-7/8 BCI 6000 1.8E	1	5	5
J0210	2-5/16 X 11-7/8 BCI 6000 1.8E	2	10	20
J0214	2-5/16 X 11-7/8 BCI 6000 1.8E	5	14	70
J0215	2-5/16 X 11-7/8 BCI 6000 1.8E	2	15	30
J0216	2-5/16 X 11-7/8 BCI 6000 1.8E	4	16	64
J0222	2-5/16 X 11-7/8 BCI 6000 1.8E	10	22	220
J0225	2-5/16 X 11-7/8 BCI 6000 1.8E	17	25	425
J0226	2-5/16 X 11-7/8 BCI 6000 1.8E	2	26	52
J0236	2-5/16 X 11-7/8 BCI 6000 1.8E	3	36	108
J0239	2-5/16 X 11-7/8 BCI 6000 1.8E	8	39	312
J0317	2-5/16 X 11-7/8 BCI 60 2.0E	6	17	102
J0318	2-5/16 X 11-7/8 BCI 60 2.0E	13	18	234
J0337	2-5/16 X 11-7/8 BCI 60 2.0E	12	37	444
BK2	2 X 11-7/8 BCI 5000 1.7E	8	20	160
FB1005	1-3/4 X 11-7/8 Versa-Lam 2.1E 2800	14	5	70
FB1006	1-3/4 X 11-7/8 Versa-Lam 2.1E 2800	2	6	12
RM1	1-1/2 X 11-7/8 Versa-Lam 2.1E 2800	34	20	680
BK1	1-1/2 X 11-7/8 Versa-Lam 2.1E 2800	25	20	500
BK3	1-3/4 X 11-7/8 Versa-Lam 2.1E 2800	1	20	20
FB0103	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C-STD	1	3	3
FB0106	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C-STD	2	6	12
FB0110	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C-STD	1	10	10
FB0116	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C-STD	1	16	16
FB0119	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C-STD	1	19	19
FB0210	5-1/2 X 11-7/8 ARCH 24F-V4 GLB C-STD	1	10	10
FB0212	5-1/2 X 11-7/8 ARCH 24F-V4 GLB C-STD	1	12	12
FB0214	5-1/2 X 11-7/8 ARCH 24F-V4 GLB C-STD	1	14	14
FB0320	3-1/2 X 11-7/8 ARCH 24F-V8 GLB C=0	1	20	20
FB0334	3-1/2 X 11-7/8 ARCH 24F-V8 GLB C=0	1	34	34
FB0416	6-3/4 X 12 ARCH 24F-V8 GLB C=0	1	16	16
FB0516	6-3/4 X 16-1/2 ARCH 24F-V8 GLB C=0	1	16	16
FB0620	6-3/4 X 19-1/2 ARCH 24F-V8 GLB C=0	1	20	20
FB0819	5-1/2 X 11-7/8 ARCH 24F-V8 GLB C=0	1	19	19
FB0914	5-1/2 X 16-1/2 ARCH 24F-V4 GLB C-STD	1	14	14
FB1219	5-1/2 X 10-3/2 ARCH 24F-V8 GLB C=0 TRTD	1	19	19
FB1418	8-3/4 X 12 ARCH 24F-V4 GLB C-STD	1	18	18
DB0309	5-1/2 X 9 ARCH 24F-V4 GLB C=STD	1	9	9
SS120	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C=0 TRTD	6	20	120
H01	MIT2.1/11.88	128	1	128
H02	MIT3511.88	72	1	72
H04	ITS2.06/11.88	105	1	105
H05	ITS2.37/11.88	40	1	40
H06	MIT3511.88-2	2	1	2
H09	HHGU7.25-SDS H=18	1	1	1
H10	HUCQ610-SDS Z-MAX	1	1	1
H11	HUCQ410-SDS Z-MAX	6	1	6
H12	MIT4.12/11.88	6	1	6
H13	HUCQ412-SDS	2	1	2
H14	MGU562 H=11.875	1	1	1

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- LEGEND:**
- ADD = ADDITIONAL JOIST
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 - BK = BLOCKING PANELS (FIELD CUT)
 - C = COLUMN
 - DB = DROPPED BEAM
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 - H = HANGER
 - () J = QTY AND BCI JOIST
 - LGR = LEDGER
 - RM = RIM BOARD
 - SS = STAIR STRINGER
 - WS = WEB STIFFENER REQUIRED BY OTHERS, TYP

SPACE BCI JOISTS AT 24" OC UNON, TYPICAL.

FLOOR UNIFORM DESIGN LOADS:
40 PSF LL, 25 PSF DL

REFERENCE

FINAL LAYOUTS FOR CONSTRUCTION

BLDG 1 - 2ND LEVEL PLACEMENT PLAN

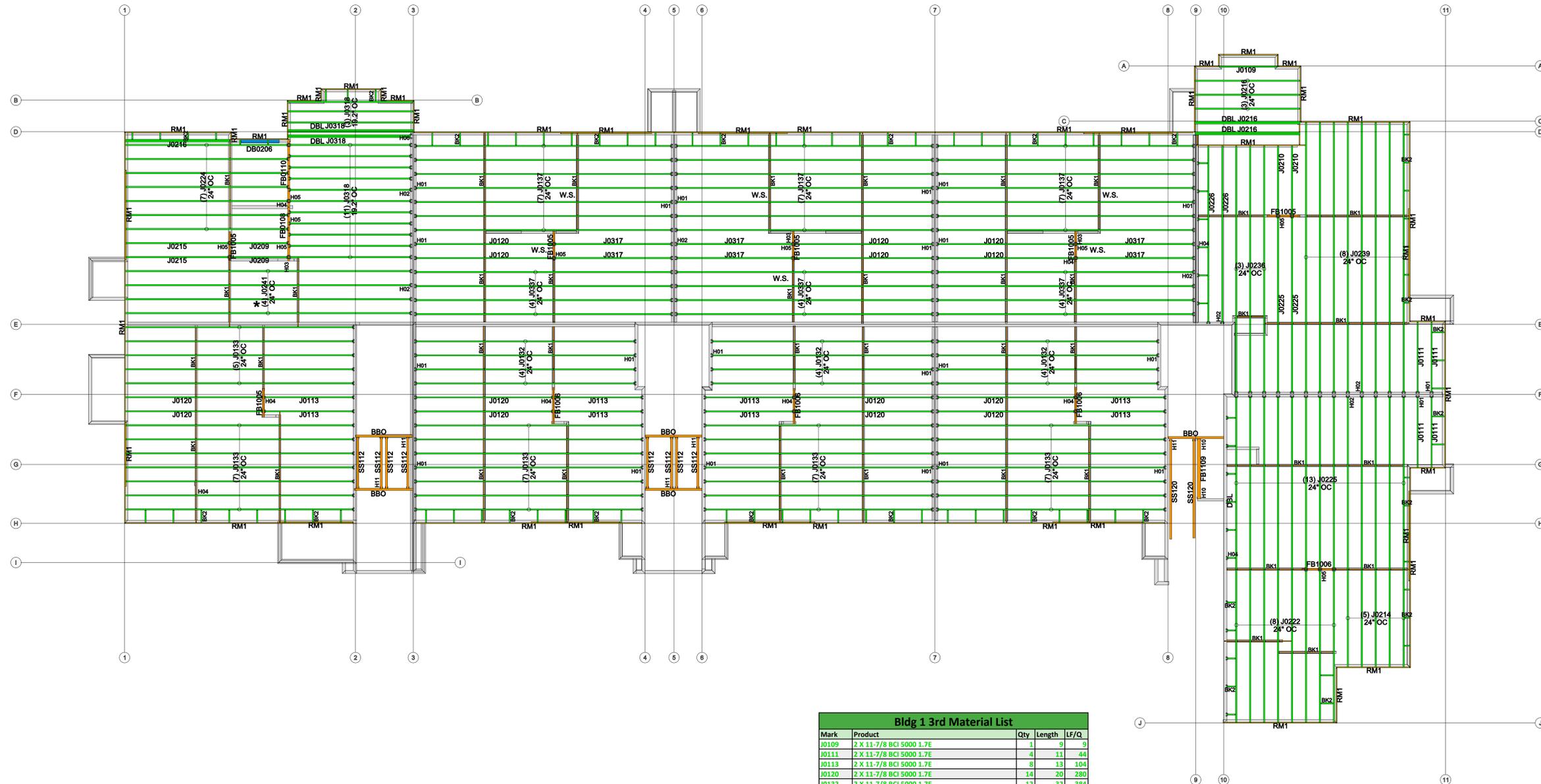
THESE PRODUCT PLACING PLANS WERE PRODUCED FROM DRAWINGS BY HORN CONSULTING ENGINEERS DATED 2/1/24, PERMIT SET



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SPRING MEADOWS
BLDG 1 - 2ND LEVEL PLACEMENT PLAN
BOISE CASCADE BMD
VANCOUVER, WA

Job#: 23-001422
December 5, 2024
By: DBP
Scale: 1/8" = 1'
Sheet 01/05



Bldg 1 3rd Material List				
Mark	Product	Qty	Length	Lf/Q
J0109	2 X 11-7/8 BCI 5000 1.7E	1	9	9
J0111	2 X 11-7/8 BCI 5000 1.7E	4	11	44
J0113	2 X 11-7/8 BCI 5000 1.7E	8	13	104
J0120	2 X 11-7/8 BCI 5000 1.7E	14	20	280
J0132	2 X 11-7/8 BCI 5000 1.7E	12	32	384
J0133	2 X 11-7/8 BCI 5000 1.7E	33	33	1089
J0137	2 X 11-7/8 BCI 5000 1.7E	21	37	777
J0209	2-5/16 X 11-7/8 BCI 6000 1.8E	2	9	18
J0210	2-5/16 X 11-7/8 BCI 6000 1.8E	2	10	20
J0214	2-5/16 X 11-7/8 BCI 6000 1.8E	5	14	70
J0215	2-5/16 X 11-7/8 BCI 6000 1.8E	2	15	30
J0216	2-5/16 X 11-7/8 BCI 6000 1.8E	9	16	144
J0222	2-5/16 X 11-7/8 BCI 6000 1.8E	8	22	176
J0224	2-5/16 X 11-7/8 BCI 6000 1.8E	7	24	168
J0225	2-5/16 X 11-7/8 BCI 6000 1.8E	15	25	375
J0226	2-5/16 X 11-7/8 BCI 6000 1.8E	2	26	52
J0236	2-5/16 X 11-7/8 BCI 6000 1.8E	3	36	108
J0239	2-5/16 X 11-7/8 BCI 6000 1.8E	8	39	312
J0241	2-5/16 X 11-7/8 BCI 6000 1.8E	4	41	164
J0317	2-5/16 X 11-7/8 BCI 60 2.0E	6	17	102
J0318	2-5/16 X 11-7/8 BCI 60 2.0E	18	18	324
J0337	2-5/16 X 11-7/8 BCI 60 2.0E	12	37	444
BK2	2 X 11-7/8 BCI 5000 1.7E	9	20	180
FB1005	1-3/4 X 11-7/8 Versa-Lam 2.1E 2800	12	5	60
FB1006	1-3/4 X 11-7/8 Versa-Lam 2.1E 2800	8	6	48
DB0206	5-1/4 X 11-7/8 Versa-Lam 2.1E 3100	1	6	6
RM1	1-1/2 X 11-7/8 Versa-Lam 2.1E 2800	36	20	720
BK1	1-1/2 X 11-7/8 Versa-Lam 2.1E 2800	25	20	500
FB0108	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C-STD	1	8	8
FB0110	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C-STD	1	10	10
FB1109	5-1/2 X 11-7/8 ARCH 24F-V4 GLB C=0 TRTD	1	9	9
SS112	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C=0 TRTD	8	12	96
SS120	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C=0 TRTD	2	20	40
H01	MIT2.1/11.88	132	1	132
H02	MIT3511.88	73	1	73
H04	ITS2.06/11.88	58	1	58
H05	ITS2.37/11.88	33	1	33
H06	MIT3511.88-2	1	1	1
H10	HUCQ610-SDS 2-MAX	2	1	2
H11	HUCQ410-SDS 2-MAX	18	1	18

REFERENCE

FINAL LAYOUTS FOR CONSTRUCTION

PLACING PLAN NOTES:
 1. DO NOT NOTCH BCI JOIST FLANGES FOR ANY REASON, TYP.
 2. SHIFT BCI JOISTS UP TO 3" TO AVOID PLUMBING DROP, TYP
 3. REFER TO THE STRUCTURAL DRAWINGS FOR ALL NECESSARY DETAILS, TYP.

LEGEND:
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SPACE BCI JOISTS AT 24" OC UON, TYPICAL.
 FLOOR UNIFORM DESIGN LOADS: 40 PSF LL, 25 PSF DL

BLDG 1 - 3RD LEVEL PLACEMENT PLAN

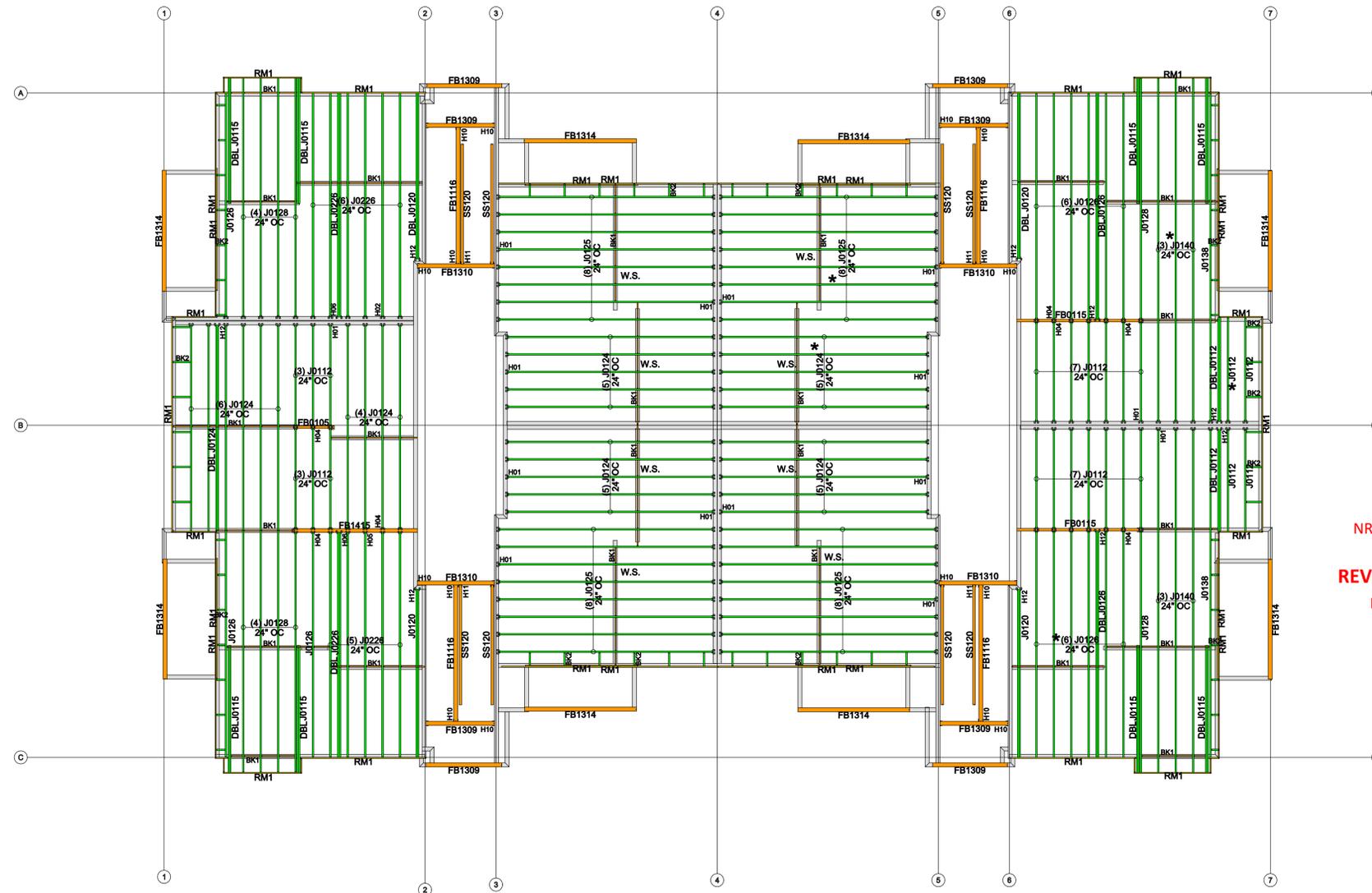
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SPRING MEADOWS
 BLDG 1 - 3RD LEVEL PLACEMENT PLAN
 BOISE CASCADE BMD
 VANCOUVER, WA

Job#: 23-001422
 December 5, 2024
 By: DBP
 Scale: 1/8" = 1'
 Sheet 02/05



NREV24-0035 & NDEF24-0015 / 4021 E Jory Street, Newberg /
Layouts & Calcs
REVIEWED AND APPROVED FOR CODE COMPLIANCE
PLAN REVIEW DOES NOT AUTHORIZE CONSTRUCTION TO
PROCEED IN VIOLATION OF FEDERAL, STATE, OR LOCAL
REGULATIONS, NOR DOES IT RELIEVE DESIGNER
FROM ANY LIABILITY OR RESPONSIBILITY.
By: Clair Company; December 27, 2024
Clair Project #1041-113

Bldg 2 2nd Material List				
Mark	Product	Qty	Length	LF/Q
J0112	2 X 11-7/8 BCI 5000 1.7E	28	12	336
J0115	2 X 11-7/8 BCI 5000 1.7E	16	15	240
J0120	2 X 11-7/8 BCI 5000 1.7E	8	20	160
J0124	2 X 11-7/8 BCI 5000 1.7E	32	24	768
J0125	2 X 11-7/8 BCI 5000 1.7E	32	25	800
J0126	2 X 11-7/8 BCI 5000 1.7E	19	26	494
J0128	2 X 11-7/8 BCI 5000 1.7E	10	28	280
J0138	2 X 11-7/8 BCI 5000 1.7E	2	38	76
J0140	2 X 11-7/8 BCI 5000 1.7E	6	40	240
J0226	2-5/16 X 11-7/8 BCI 6000 1.8E	15	26	390
BK2	2 X 11-7/8 BCI 5000 1.7E	5	20	100
FB1415	5-1/4 X 11-7/8 Versa-Lam 2.1E 3100	1	15	15
RM1	1-1/2 X 11-7/8 Versa-Lam 2.1E 2800	27	20	540
BK1	1-1/2 X 11-7/8 Versa-Lam 2.1E 2800	14	20	280
FB0105	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C-STD	1	5	5
FB0115	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C-STD	2	15	30
FB1116	5-1/2 X 11-7/8 ARCH 24F-V4 GLB C-0 TRTD	4	16	64
FB1309	5-1/2 X 10-1/2 ARCH 24F-V4 GLB C-STD TRTD	8	9	72
FB1310	5-1/2 X 10-1/2 ARCH 24F-V4 GLB C-STD TRTD	4	10	40
FB1314	5-1/2 X 10-1/2 ARCH 24F-V4 GLB C-STD TRTD	8	14	112
SS120	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C-0 TRTD	8	20	160
H01	MIT2.1/11.88	148	1	148
H02	MIT3511.88	6	1	6
H04	ITS2.06/11.88	43	1	43
H05	ITS2.37/11.88	5	1	5
H06	MIT3511.88-2	2	1	2
H10	HUCQ610-SDS 2-MAX	24	1	24
H11	HUCQ410-SDS 2-MAX	8	1	8
H12	MIT4.12/11.88	2	1	2
H12	MIT4.12/11.88	7	1	7

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FINAL LAYOUTS
FOR CONSTRUCTION

BLDG 2 AND 3 - 2ND LEVEL PLACEMENT PLAN

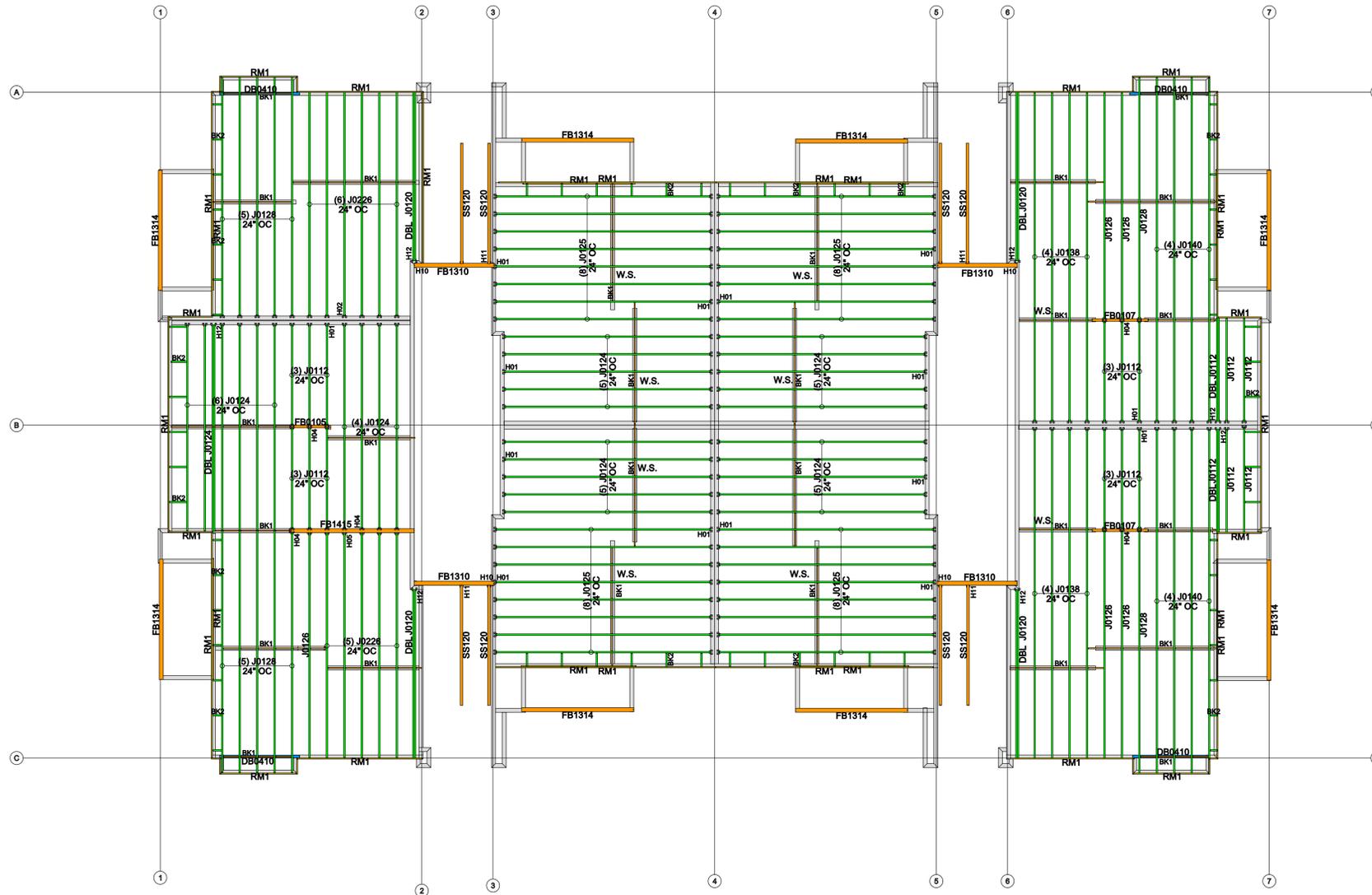
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SPRING MEADOWS
 BLDG 2 AND 3 - 2ND LEVEL PLACEMENT PLAN
 BOISE CASCADE BMD
 VANCOUVER, WA

Job#: 23-001422
 December 5, 2024
 By: DBP
 Scale: 1/8" = 1'
 Sheet 03/05



NREV24-0035 & NDEF24-0015 / 4021 E Jory Street, Newberg /
Layouts & Calcs

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By: Clair Company; December 27, 2024
Clair Project #1041-113

Mark	Product	Qty	Length	LF/Q
J0112	2 X 11-7/8 BCI 5000 1.7E	20	12	240
J0120	2 X 11-7/8 BCI 5000 1.7E	8	20	160
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J0125	2 X 11-7/8 BCI 5000 1.7E	32	25	800
J0126	2 X 11-7/8 BCI 5000 1.7E	5	26	130
J0128	2 X 11-7/8 BCI 5000 1.7E	12	28	336
J0138	2 X 11-7/8 BCI 5000 1.7E	8	38	304
J0140	2 X 11-7/8 BCI 5000 1.7E	8	40	320
J0226	2-5/16 X 11-7/8 BCI 6000 1.8E	11	26	286
BK2	2 X 11-7/8 BCI 5000 1.7E	5	20	100
FB1415	5-1/4 X 11-7/8 Versa-Lam 2.1E 3100	1	15	15
RM1	1-1/2 X 11-7/8 Versa-Lam 2.1E 2800	28	20	560
BK1	1-1/2 X 11-7/8 Versa-Lam 2.1E 2800	15	20	300
FB0105	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C=STD	1	5	5
FB0107	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C=STD	2	7	14
FB1310	5-1/2 X 10-1/2 ARCH 24F-V4 GLB C=STD TRTD	4	10	40
FB1314	5-1/2 X 10-1/2 ARCH 24F-V4 GLB C=STD TRTD	8	14	112
DB0410	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C=STD	4	10	40
SS120	3-1/2 X 11-7/8 ARCH 24F-V4 GLB C=0 TRTD	8	20	160
H01	MIT2.1/11.88	148	1	148
H02	MIT3511.88	6	1	6
H04	ITS2.06/11.88	27	1	27
H05	ITS2.37/11.88	5	1	5
H10	HUC0610-SDS Z-MAX	8	1	8
H11	HUC0410-SDS Z-MAX	8	1	8
H12	MIT4.12/11.88	7	1	7

**FINAL LAYOUTS
FOR CONSTRUCTION**

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SPACE BCI JOISTS AT 24" OC UON, TYPICAL.

FLOOR UNIFORM DESIGN LOADS:
40 PSF LL, 25 PSF DL



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SPRING MEADOWS
BLDG 2 AND 3 - 3RD LEVEL PLACEMENT PLAN
BOISE CASCADE BMD
VANCOUVER, WA

Job#: 23-001422

December 5, 2024

By: DBP

Scale: 1/8" = 1'

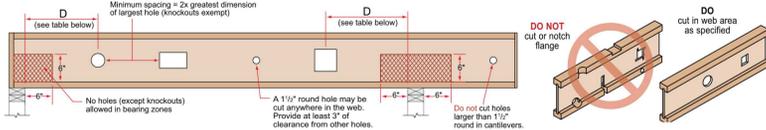
Sheet 04/05

BLDG 2 AND 3 - 3RD LEVEL PLACEMENT PLAN

THESE PRODUCT PLACING PLANS WERE PRODUCED FROM DRAWINGS BY HORN CONSULTING ENGINEERS DATED 2/1/24, PERMIT SET

BCI Joist Hole Location & Sizing

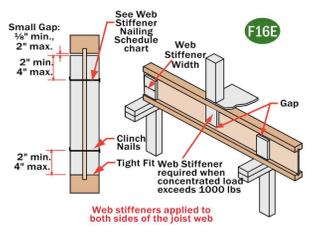
BCI® Joists are manufactured with 1/2" round perforated knockouts in the web at approximately 12" on center



Minimum distance from support, listed in table below, is required for all holes greater than 1 1/2"

MINIMUM DISTANCE (D) FROM ANY SUPPORT TO THE CENTERLINE OF THE HOLE														
Round Hole Diameter [in]	2	3	4	5	6	7	8	8-7/8	10	11	12	13	14	15
Rectangular Hole Side [in]	-	-	-	3	5	7	-	-	-	-	-	-	-	-
Span [ft]	8	1'-0"	1'-1"	1'-8"	2'-4"	2'-11"	3'-7"	3'-10"	4'-11"	5'-11"	6'-7"	7'-4"	8'-0"	8'-11"
Any 9-1/2" Joist	12	1'-0"	1'-7"	2'-7"	3'-6"	4'-5"	5'-4"	-	-	-	-	-	-	-
16	1'-0"	1'-2"	2'-2"	3'-5"	4'-8"	5'-11"	7'-2"	-	-	-	-	-	-	-
Round Hole Diameter [in]	2	3	4	5	6	7	8	8-7/8	10	11	12	13	14	15
Rectangular Hole Side [in]	-	-	-	2	3	5	7	8	-	-	-	-	-	-
Span [ft]	8	1'-0"	1'-1"	1'-8"	2'-4"	2'-11"	3'-7"	3'-10"	4'-11"	5'-11"	6'-7"	7'-4"	8'-0"	8'-11"
Any 11-7/8" Joist	12	1'-0"	1'-7"	2'-7"	3'-6"	4'-5"	5'-4"	-	-	-	-	-	-	-
16	1'-0"	1'-2"	2'-2"	3'-5"	4'-8"	5'-11"	7'-2"	-	-	-	-	-	-	-
20	1'-5"	2'-7"	3'-10"	5'-0"	6'-2"	7'-4"	8'-6"	9'-7"	-	-	-	-	-	-
Round Hole Diameter [in]	2	3	4	5	6	7	8	8-7/8	10	11	12	13	14	15
Rectangular Hole Side [in]	-	-	-	2	3	5	7	8	9	-	-	-	-	-
Span [ft]	8	1'-0"	1'-1"	1'-2"	1'-6"	1'-11"	2'-4"	2'-9"	3'-3"	3'-8"	4'-10"	5'-6"	6'-6"	7'-4"
Any 14" Joist	12	1'-0"	1'-1"	1'-2"	1'-7"	2'-3"	2'-11"	3'-6"	4'-1"	4'-10"	5'-6"	6'-6"	7'-4"	8'-0"
16	1'-0"	1'-1"	1'-1"	1'-3"	2'-2"	3'-0"	3'-10"	4'-9"	5'-6"	6'-6"	7'-4"	8'-0"	8'-11"	9'-2"
20	1'-0"	1'-1"	1'-1"	1'-7"	2'-8"	3'-9"	4'-10"	5'-11"	6'-10"	8'-1"	9'-2"	10'-0"	11'-0"	12'-0"
Round Hole Diameter [in]	2	3	4	5	6	7	8	8-7/8	10	11	12	13	14	15
Rectangular Hole Side [in]	-	-	-	2	3	5	7	8	9	10	11	12	13	14
Span [ft]	8	1'-0"	1'-1"	1'-2"	1'-2"	1'-3"	1'-3"	1'-7"	1'-11"	2'-4"	2'-9"	3'-2"	3'-7"	4'-0"
Any 16" Joist	12	1'-0"	1'-1"	1'-2"	1'-2"	1'-3"	1'-9"	2'-4"	2'-11"	3'-7"	4'-2"	4'-9"	5'-4"	6'-0"
16	1'-0"	1'-1"	1'-1"	1'-2"	1'-2"	1'-3"	1'-10"	2'-4"	2'-11"	3'-7"	4'-2"	4'-9"	5'-4"	6'-0"
20	1'-0"	1'-1"	1'-1"	1'-2"	1'-2"	2'-0"	3'-0"	4'-0"	4'-10"	5'-11"	6'-11"	7'-11"	8'-11"	9'-2"
24	1'-0"	1'-1"	1'-1"	1'-11"	3'-3"	4'-6"	5'-10"	7'-1"	8'-3"	9'-9"	11'-0"	12'-0"	13'-11"	15'-0"
Round Hole Diameter [in]	2	3	4	5	6	7	8	8-7/8	10	11	12	13	14	15
Rectangular Hole Side [in]	-	-	-	2	3	5	6	7	9	10	11	12	13	14
Span [ft]	8	1'-0"	1'-1"	1'-2"	1'-2"	1'-3"	1'-3"	1'-7"	1'-11"	2'-4"	2'-9"	3'-2"	3'-7"	4'-0"
Any 18" BCI 90.2 Joist	12	1'-0"	1'-1"	1'-2"	1'-4"	1'-11"	2'-7"	3'-2"	3'-8"	4'-8"	5'-11"	6'-7"	7'-4"	8'-0"
16	1'-0"	1'-1"	1'-1"	1'-2"	1'-8"	2'-6"	3'-3"	4'-0"	4'-8"	5'-8"	7'-0"	7'-9"	8'-7"	9'-4"
24	1'-0"	1'-1"	1'-1"	1'-2"	2'-0"	2'-11"	3'-10"	4'-9"	5'-7"	6'-7"	7'-6"	8'-5"	9'-4"	10'-3"
28	1'-0"	1'-1"	1'-1"	1'-2"	2'-5"	3'-6"	4'-6"	5'-7"	6'-6"	7'-9"	8'-9"	9'-4"	10'-3"	11'-2"
Round Hole Diameter [in]	2	3	4	5	6	7	8	8-7/8	10	11	12	13	14	15
Rectangular Hole Side [in]	-	-	-	2	3	5	6	7	9	10	11	12	13	14
Span [ft]	8	1'-0"	1'-1"	1'-2"	1'-2"	1'-3"	1'-6"	1'-11"	2'-3"	2'-9"	3'-2"	3'-7"	4'-4"	4'-9"
Any 20" BCI 90.2 Joist	12	1'-0"	1'-1"	1'-2"	1'-2"	1'-6"	2'-1"	2'-7"	3'-1"	3'-8"	4'-3"	4'-9"	5'-3"	5'-10"
16	1'-0"	1'-1"	1'-1"	1'-2"	1'-2"	1'-6"	2'-1"	2'-7"	3'-1"	3'-8"	4'-3"	4'-9"	5'-3"	5'-10"
20	1'-0"	1'-1"	1'-1"	1'-2"	1'-3"	1'-11"	2'-7"	3'-3"	3'-10"	4'-7"	5'-3"	5'-11"	6'-7"	7'-4"
24	1'-0"	1'-1"	1'-1"	1'-2"	1'-6"	2'-4"	3'-1"	3'-11"	4'-7"	5'-6"	6'-4"	7'-2"	7'-11"	8'-9"
28	1'-0"	1'-1"	1'-1"	1'-2"	1'-9"	2'-8"	3'-8"	4'-7"	5'-8"	6'-8"	7'-8"	8'-4"	9'-3"	10'-3"

Web Stiffener Requirements



NOTES

- Web stiffeners are optional except as noted below.
- Web stiffeners are always required for all 18" and 20" BCI® Joists at all bearing locations.
- Web stiffeners are always required in hangers that do not extend up to support the top flange of the BCI® Joist. Web stiffeners may be required with certain sloped or skewed hangers or to achieve uplift values. Refer to the hanger manufacturer's installation requirements.
- Web stiffeners are always required in certain roof applications. See Roof Framing Details.
- Web stiffeners are always required under concentrated loads that exceed 1000 pounds. Install the web stiffeners snug to the top flange in this situation. Follow the nailing schedule for intermediate bearings.
- Web stiffeners may be cut from structural rated wood panels, engineered rimboard or 2x lumber (BCI® 90 only).
- For Structural Capacity: Web stiffeners needed to increase the BCI® Joist's reaction capacity at a specific bearing location.
- Lateral Restraint in Hanger: Web stiffeners needed when hanger does not lateral support the top flange (e.g., adjustable height hangers). Web stiffeners may be of multiple thickness (e.g., BCI® 6500, double 1/2" panel OK).
- Web stiffeners may be used to increase allowable reaction values. See BCI® Design Properties on page 24 of WSG or the BC CALC® software.

BCI® Joist Series	For Structural Capacity (Min. Thick)	Lateral Restraint in Hanger	Minimum Width
5000 1.7	5/8"	3/4"	2 5/16"
6000 1.8	3/4"	7/8"	2 5/16"
6500 1.8	3/4"	1" or 1 1/8"	2 5/16"
60 2.0	3/4"	7/8"	2 5/16"
90 2.0	2x4 lumber (vertical)		

For information about Boise Cascade's engineered wood products including our local distributors, visit our website at www.BCewp.com or call us at 1-800-232-0788

BUILDING CODE EVALUATION REPORTS:
BCI® JOISTS BLDG CODE EVALUATION REPORTS
 - ICC ESR 1336 (IBC, IRC)
VERSA-LAM® BLDG CODE EVALUATION REPORTS
 - ICC 1040 (IBC, IRC)

Multiple Member Connectors

Number of Members	Side-Loaded Applications							
	Maximum Uniform Side Load [plf]							
2 rows 16d Sinkers @ 12" o.c.	Nailed(3)		1/2" Dia. Through Bolt(1)		5/8" Dia. Through Bolt(1)			
	2	470	705	505	1010	2020	560	1120
3(2)	350	525	375	755	1515	420	840	1685
4(3)	use bolt schedule		335	670	1345	370	745	1495

1-3/4" VERSA-LAM (Depths of 18" and less)

2) Design values apply to common bolts that conform to ANSI/ASME standard B18.21-1981 (ASTM A307 Grades A&B, SAE J429 Grades 1 or 2, or higher). A washer not less than a standard cut washer shall be between the wood and the bolt head and between the wood and the nut. The distance from the edge of the beam to the bolt holes must be at least 2" for 1/2" bolts and 2 1/4" for 5/8" bolts. Bolt holes shall be the same diameter as the bolt.

3) 16d box nails = 0.135" diameter x 3.5" length, 16d sinker nails = 0.148" diameter x 3.25" length. 4) 7" wide beams must be top-loaded or loaded from both sides (lesser side shall be no less than 25% of opposite side).

Piles	Top-Loaded Applications		Maximum Uniform Load From One Side
	Depth	Nailing(2)	
(2) 1-3/4" piles	Depth 11-7/8" & less	2 rows 16d box/sinker nails @ 12" o.c.	400 plf
	Depth 14"-18"	3 rows 16d box/sinker nails @ 12" o.c.	600 plf
(3) 1-3/4" piles(1)	Depth 11-7/8" & less	4 rows 16d box/sinker nails @ 12" o.c.	800 plf
	Depth 14"-18"	3 rows 16d box/sinker nails @ 12" o.c.	300 plf
(4) 1-3/4" piles	Depth 24"	4 rows 16d box/sinker nails @ 12" o.c.	600 plf
	Depth 18" & less	2 rows 12" bolts @ 24" o.c., staggered	335 plf
(2) 3-1/2" piles	Depth 20"-24"	3 rows 12" bolts @ 24" o.c., staggered every 8"	855 plf
	Depth 18" & less	2 rows 12" bolts @ 24" o.c., staggered	1285 plf

1) Design values apply to common bolts that conform to ANSI/ASME standard B18.21-1981 (ASTM A307 Grades A&B, SAE J429 Grades 1 or 2, or higher). A washer not less than a standard cut washer shall be between the wood and the bolt head and between the wood and the nut. The distance from the edge of the beam to the bolt holes must be at least 2" for 1/2" bolts and 2 1/4" for 5/8" bolts. Bolt holes shall be the same diameter as the bolt.

2) The nail schedules shown apply to both sides of a 3-member beam.

3) 16d box nails = 0.135" diameter x 3.5" length, 16d sinker nails = 0.148" diameter x 3.25" length. 4) 7" wide beams must be top-loaded or loaded from both sides (lesser side shall be no less than 25% of opposite side).

Find: A multiple 1 1/2" ply VERSA-LAM® that is adequate to support the design loads and the member's proper connection schedule.

1. Calculate the tributary width that beam is supporting: $14' / 2 + 18' / 2 = 16'$.

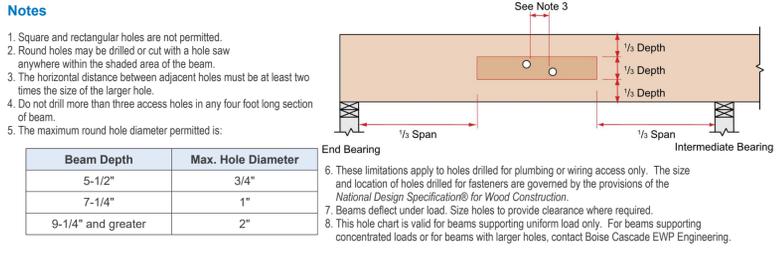
2. Use PLF tables on pages 28-30 of WSG or BC CALC® to size beam.

3. Calculate the maximum plf load from one side (the right side in this case). Max. Side Load = $(18' / 2) \times (40 + 10 \text{ psf}) = 450 \text{ plf}$

4. Go to the Multiple Member Connection Table, Side-Loaded Applications, 1 1/2" VERSA-LAM®, 3 members.

5. The proper connection schedule must have a capacity greater than the max. side load: Nailed: 3 rows 16d sinkers @ 12" o.c.: 525 plf is greater than 450 plf OK. Bolts: 1/2" diameter 2 rows @ 12" staggered: 755 plf is greater than 450 plf OK.

Allowable Holes in VERSA-LAM Beams



Beam Depth	Max. Hole Diameter
5-1/2"	3/4"
7-1/4"	1"
9-1/4" and greater	2"



NOTES

- Square and rectangular holes are not permitted.
- Round holes may be drilled or cut with a hole saw anywhere within the shaded area of the beam.
- The horizontal distance between adjacent holes must be at least two times the size of the larger hole.
- Do not drill more than three access holes in any four foot long section of beam.
- The maximum round hole diameter permitted is:

6. These limitations apply to holes drilled for plumbing or wiring access only. The size and location of holes drilled for fasteners are governed by the provisions of the National Design Specification® for Wood Construction.

7. Beams deflect under load. Size holes to provide clearance where required.

8. This hole chart is valid for beams supporting uniform load only. For beams supporting concentrated loads or for beams with larger holes, contact Boise Cascade EWP Engineering.

DO NOT cut, notch or drill flanges

DO NOT cut beyond inside edge of bearing.

DO NOT cut or notch flange.

DO NOT walk on joist until proper bracing is in place.

DO NOT load joist beyond design capacity.

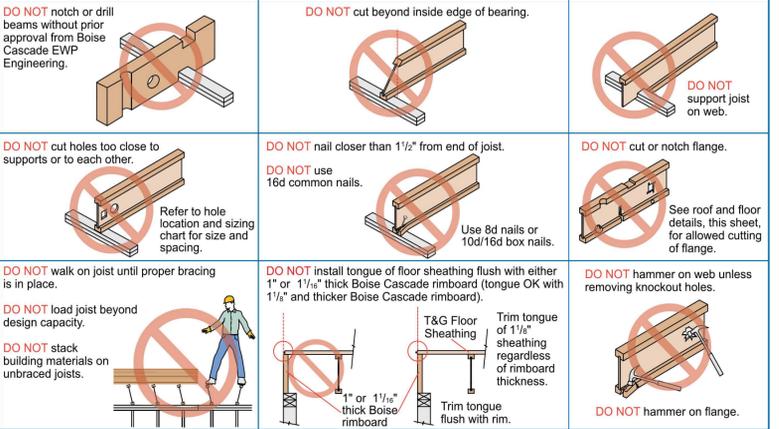
DO NOT stack building materials on unbraced joists.

DO NOT hammer on web unless removing knockout holes.

DO NOT hammer on flange.

WARNING

THE FOLLOWING USES ARE NOT ALLOWED

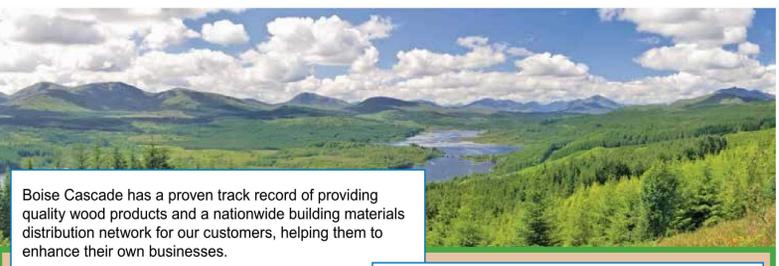


SAFETY WARNING
 DO NOT ALLOW WORKERS ON BCI® JOISTS UNTIL ALL HANGERS, BCI® RIM JOISTS, RIM BOARDS, BCI® BLOCKING PANELS, X-BRACING AND TEMPORARY 1x4 STRUT LINES ARE INSTALLED AS SPECIFIED BELOW. SERIOUS ACCIDENTS CAN RESULT FROM INSUFFICIENT ATTENTION TO PROPER BRACING DURING CONSTRUCTION. ACCIDENTS CAN BE AVOIDED UNDER NORMAL CONDITIONS BY FOLLOWING THESE GUIDELINES:

- Build a braced end wall at the end of the bay, or permanently install the first eight feet of BCI® Joists and the first course of sheathing. As an alternate, temporary sheathing may be nailed to the first four feet of BCI® Joists at the end of the bay.
- All hangers, BCI® rim joists, rim boards, BCI® blocking panels, and x-bracing must be completely installed and properly nailed as each BCI® Joist is set.
- Install temporary 1x4 strut lines at no more than eight feet on center as additional BCI® Joists are set. Nail the strut lines to the sheathed area, or braced end wall, and to each BCI® Joist with two 8d nails.
- The ends of cantilevers must be temporarily secured by strut lines on both the top and bottom flanges.

PRODUCT HANDLING TO AND AT JOB SITES
 There are some differences between engineered wood products and traditional lumber products in terms of product handling: Avoid handling and storing BCI® joists in the flat direction. VERSA-LAM® is heavier than solid sawn timber. Please consider these differences when transporting and handling engineered wood products.

- Straighten the BCI® Joists to within 1/2 inch of true alignment before attaching strut lines and sheathing.
- Remove the temporary strut lines only as required to install the permanent sheathing.
- Failure to install temporary bracing may result in sideways buckling or roll-over under light construction loads.
- Do not stack construction materials (sheathing, drywall, etc) in the middle of BCI® Joist spans, contact Boise Cascade EWP Engineering for proper storage and shoring information.



Boise Cascade has a proven track record of providing quality wood products and a nationwide building materials distribution network for our customers, helping them to enhance their own businesses.

Boise Cascade Engineered Wood Products build better homes with stronger, stiffer floors using only wood purchased in compliance with a number of our green building programs. Take a moment to view our sustainability certification site at <http://www.bc.com/sustainability/certification.html> or view our green brochure at http://www.bc.com/wood/ewp/Boise_EWP_Green.html.

Boise Cascade Engineered Wood Products throughout North America can now be ordered FSC® Chain-of-Custody (COC) certified, enabling homeowners to achieve LEED® points under U.S. Green Building Council® residential and commercial green building programs including LEED for Homes and LEED for New Construction. Boise Cascade Engineered Wood Products are available as PEFC® Chain-of-Custody certified, SFI® Chain-of-Custody certified and SFI Fiber-Sourcing certified, as well as NAHB Research Center Green Approved, enabling homeowners to also obtain green building points through the National Green Building Standard.

Lifetime Guaranteed Quality and Performance

Boise Cascade warrants its BCI® Joist, VERSA-LAM®, and ALLJOIST® products to comply with our specifications, to be free from defects in material and workmanship, and to meet or exceed our performance specifications for the normal and expected life of the structure when correctly stored, installed and used according to our Installation Guide.

If in doubt, ask!
 For the number of the closest Boise Cascade EWP distributor/support center, call 800-232-0788

BCI® Joists, VERSA-LAM® and ALLJOIST® must be stored, installed and used in accordance with the Boise Cascade EWP Installation Guide, building codes, and to the extent not inconsistent with the Boise Cascade EWP Installation Guide, usual and customary building practices and standards. VERSA-LAM®, ALLJOIST®, and BCI® Joists must be wrapped, covered, and stored off of the ground on stickers at all times prior to installation. VERSA-LAM®, ALLJOIST® and BCI® Joists are intended only for applications that assure no exposure to weather or the elements and an environment that is free from moisture from any source, or any pest, organism or substance which degrades or damages wood or glue bonds. Failure to correctly store, use or install VERSA-LAM®, ALLJOIST®, and BCI® Joist in accordance with the Boise Cascade EWP Installation Guide will void the limited warranty.

PLEASE NOTE:
 BOISE CASCADE IS PROVIDING THESE PRODUCT PLACING DRAWINGS AS A SUPPLEMENT TO THE SET OF STRUCTURAL PLANS PROVIDED BY THE ARCHITECT/ENGINEER OF RECORD ON THIS PROJECT. THESE PRODUCT PLACING PLANS DO NOT REPLACE, SUBSTITUTE OR SUPSEDE THE ARCHITECT/ENGINEER'S DRAWINGS. FOR COMPLETE INFORMATION AND DETAILS CONCERNING THE PROJECT REFER TO THE ARCHITECT/ENGINEER'S DRAWINGS.

PLACING PLAN NOTES:

- DO NOT NOTCH BCI JOIST FLANGES FOR ANY REASON, TYP.
- SHIFT BCI JOISTS UP TO 3" TO AVOID PLUMBING DROP, TYP
- REFER TO THE STRUCTURAL DRAWINGS FOR ALL NECESSARY DETAILS, TYP.

LEGEND:
 ADD = ADDITIONAL JOIST
 BBO = BEAM BY OTHERS
 BK = BLOCKING PANELS (FIELD CUT)
 C = COLUMN
 DB = DROPPED BEAM
 FB = FLUSH BEAM
 H = HANGER
 () J = QTY AND BCI JOIST
 LGR = LEDGER
 RM = RIM BOARD
 SS = STAIR STRINGER
 WS = WEB STIFFENER REQUIRED BY OTHERS, TYP

SPACE BCI JOISTS AT 24" OC UNIFORM, TYPICAL.

FLOOR UNIFORM DESIGN LOADS: 40 PSF LL, 25 PSF DL

Job#: 23-001422

December 5, 2024

By: DBP

Scale: 1/8" = 1'

Sheet 05/05



INSTALLATION NOTES

NREV24-0035 & NDEF24-0015 / 4021 E Jory Street, Newberg / Layouts & Calcs

REVIEWED AND APPROVED FOR CODE COMPLIANCE

PLAN REVIEW DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF FEDERAL, STATE, OR LOCAL REGULATIONS, NOR DOES IT RELIEVE DESIGNER FROM ANY LIABILITY OR RESPONSIBILITY.

By: Clair Company; December 27, 2024
 Clair Project #1041-113

FINAL LAYOUTS FOR CONSTRUCTION

THESE PRODUCT PLACING PLANS WERE PRODUCED FROM DRAWINGS BY HORN CONSULTING ENGINEERS DATED 2/1/24, PERMIT SET



PERMIT #: RADR-25-9

ISSUE DATE: October 10, 2025

General Questions: 503.537.1240
Email Address: building@newbergoregon.gov

AFI / RFI / REVISIONS & DEFERRAL PERMIT BUILDING DEPARTMENT

SITE ADDRESS: 4021 E JORY ST Newberg, OR. 97132 PARCEL #: R3216AC 13801 PERMIT TYPE: Commercial

TYPE OF WORK: true

DETAILED DESCRIPTION OF WORK: Deferred for Trusses and Joists

ASI / RFI / REVISION #: _____

ORIGINAL PERMIT # : _____

PROJECT NAME (if applicable): _____

TOTAL PERMIT FEE'S PAID: \$0.00

AUTHORIZED PERMIT HOLDERS

APPLICANT: _____ PHONE: 5033050389

MAILING ADDRESS: 5285 Meadows Rd Lake Oswego, Oregon. 97035

CONTRACTOR: JTSC LLC PHONE: 5036573402

MAILING ADDRESS: 5285 MEADOWS ROAD STE 171 CCB #: 200237

ADDITIONAL INFORMATION/CONDITIONS OF APPROVAL/COMMENTS

ALL WORK IS TO CONFORM TO THE CURRENT EDITION OF THE CURRENT EDITION OF THE ORSC & OSCC.

INSPECTIONS REQUESTED PRIOR TO 7AM WILL BE COMPLETED THE SAME BUSINESS DAY.

INSPECTION RECEIVED AFTER 7AM WILL BE SCHEDULED FOR THE NEXT BUSINESS DAY.

**Schedule or track inspections at www.newbergor.portal.opengov.com OR
Call 503.554.7714 leave PERMIT # RADR-25-9, address & type of Insp.**

<p>THIS PERMIT EXPIRES 6 MO FROM ABOVE DATE IF WORK IS NOT STARTED OR IF WORK IS SUSPENDED OR ABANDONED FOR 180 DAYS OR LONGER AFTER WORK HAS COMMENCED.</p>	<p>8.15.150 UNNECESSARY NOISE--PERMITTED EXCEPTIONS. UNREASONABLE NOISE AND EXCEPTIONS.</p> <p>3. The following acts are declared to be per se violations of this section. This enumeration does not constitute an exclusive list:</p> <p>j. Construction or Repair of Buildings, or Excavation of Streets and Highways. The construction, demolition, alteration or repair of any building or the excavation of streets and highways other than between the hours of 7:00 a.m. and 7:00 p.m. on weekdays. In cases of emergency, construction or repair noises are exempt from this provision. In nonemergency situations, the city may issue a permit, upon application, if the city determines that the public health and safety, as affected by loud and raucous noise caused by construction or repair of buildings or excavation of streets and highways between the hours of 7:00 p.m. and 7:00 a.m. will not be impaired, and if the city further determines that loss or inconvenience would otherwise result. The permit shall grant permission in nonemergency cases for a period of not more than three days. The permit may be renewed once for a period of three days or less.</p>
<p>A copy of the building permit & 1 set of approved construction documents are to be available for review at the work site.</p>	
<p>All persons or entities performing work under this permit are required to be licensed unless exempted by ORS 701.010 (Structural/Mechanical), and ORS 693.010-020 (Plumbing).</p>	

NEWBERG CITY HALL 414 E FIRST ST Web address: newbergoregon.gov

City of Newberg, OR

Inspection Report

Inspection: Building Final Inspection

Inspector: BLD- Michele Faber

Inspection Date: Sep 29, 2025

Record: *RFI/ASI/Deferred/Revision Permit #RADR-25-9

Location: 4021 E JORY ST, Newberg, OR 97132

Applicant:

BUILDING FINAL

Overall Result: Pass

Overall Remarks:

Per Brooks Bateman