

Puyallup Mazda Service Drive Thru-Expansion

Project #M100017


Wood Truss Submittal

Trussco

Submittal 6.01

**City of Puyallup
Building
REVIEWED
FOR
COMPLIANCE**

BSnowden
10/27/2025
2:28:54 PM



City of Puyallup Development & Permitting Services ISSUED PERMIT	
Building	Planning
Engineering	Public Works
Fire	Traffic

ACCRETE CONSTRUCTION, LLC

INITIAL REVIEW BY SUPER: _____ SIGN/DATE _____

INITIAL REVIEW BY PM: Rob Lang 9-29-25
SIGN/DATE

FORWARD FOR APPROVAL TO:

ARCHITECT
 ENGINEER
 OWNER

FINAL REVIEW BY: _____ SIGN/DATE _____

APPROVED AS DRAWN

APPROVED AS NOTED: PROCEED WITH FABRICATION IN ACCORDANCE WITH THE MARKED DRAWINGS ATTACHED.

RETURN TO SUPPLIER FOR REVISIONS AND RESUBMIT FOR APPROVAL.

THIS APPROVAL IS ONLY FOR GENERAL ARRANGEMENT AND PRINCIPLE. ALL DETAILS AND DIMENSIONS ARE THE RESPONSIBILITY OF THE VENDOR WHO IS NOT RELIEVED BY THIS APPROVAL OF THE OBLIGATION TO MEET SPECIFICATION AND ALL OTHER TERMS AND CONDITIONS OF THE CONTRACT.



**ARCHITECTS
PLLCC**

601 St. Helens
Tacoma, Washington 98402
Phone: (253) 922-4168

Approved except as noted, subject to specification article, "shop drawing" and verification of quantities and dimensions by other.

Not approved per review comments. Resubmit drawings

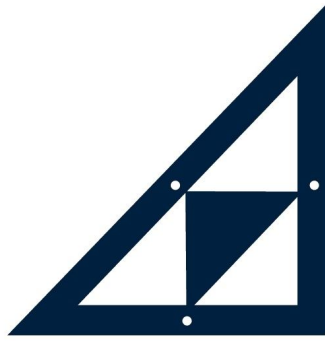
By: [Signature]
Date: 23 Oct. 2025

SHOP DRAWING REVIEW

REVIEWED REVISE & RESUBMIT SUBMIT SPECIFIED ITEM
 REJECTED FURNISH AS CORRECTED

Corrections or comments made on the shop drawings during this review do not relieve contractor from compliance with requirements of the drawings and specifications. This check is only for review of general conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with the work of all other trades; and performing his work in a safe and satisfactory manner.

C. CHRISTIAN FYNBOE, P.E.
DATE: 10/23/25 BY: COF



the TRUSSco.
& BUILDING SUPPLY, LLC

PO Box 1770
Sumner, WA 98390

LAYOUTS AND TRUSS ENGINEERING FOR

Accrete Construction LLC

Puyallup Mazda Expansion

608 River Road
Puyallup, WA

Issue Date: 9/26/2025

Sales Rep: Matt Yokes

Phone Number:

Customer **Accrete Construction LLC**

Project **Puyallup Mazda Expansion**

Address 608 River Road
Puyallup, WA

Date **9/26/2025**

Subject: Assumptions necessary for truss design

Although prior to design every effort is made to clear up any inconclusive, contradictory, and missing information, occasionally we are required to assume some basic facts to ensure a timely completion and minimize delays to your project.

Please read and understand the below listed information. Please understand that review of this document is not intended to replace a thorough review of the truss placement plan and the individually sealed truss component drawings, instead, this should be used in complement of those drawings in order to improve the efficiency of the building design professional's careful and complete review.

1. Project was bid based on plans provided to us with the following plan dates:
 - a. Architectural plans dated: 09/01/2025
 - b. Structural plans dated: 09/01/2025
2. Submittal designs based on plans provided to TTC with the following plans dates:
 - a. Architectural plans dated: 09/01/2025
 - b. Structural plans dated: 09/01/2025
3. For loading please see individual stamped truss drawings:
 - a. Sprinklers are included in designs.
4. Minimum size for steel connector plates 3"x4".
5. Lumber:
 - a. Top and bottom chord starting material is 2x4 HF-N No.1/No.2.
 - b. Web starting material is 2x4 Stud.
6. No fire or pressure treated lumber has been included in truss design.
7. Customer to field verify dimensions and provide written approval prior to fabrication of trusses.
8. All Truss to Truss Connections Designed and provided.
9. Non-standard width shear panels (blocking panels) should be field framed or solid blocking by others.
10. Truss details available upon request.

Please respond promptly with any notes from your review so we may continue the process without delays and provide a great product on time.

Thank you for your business
Matt Yokes

GUIDE TO ORDERING REPAIRS

It is important to have the correct information available when engineering and performing a repair, in order to reduce your project's downtime we have put together a list of useful information regarding repairs

Truss name as it appears on the tag

Has the truss been set?

Are both sides of the truss accessible?

Is roof/floor decking attached?

Is ceiling attached?

Is mechanical/plumbing in place?

Is additional bearing available?

Can the chase be covered?

DIMENSIONS! Dimension to the damaged area, dimension of the damaged area...

PICTURES! Pictures can help the designer and engineer produce more efficient repairs

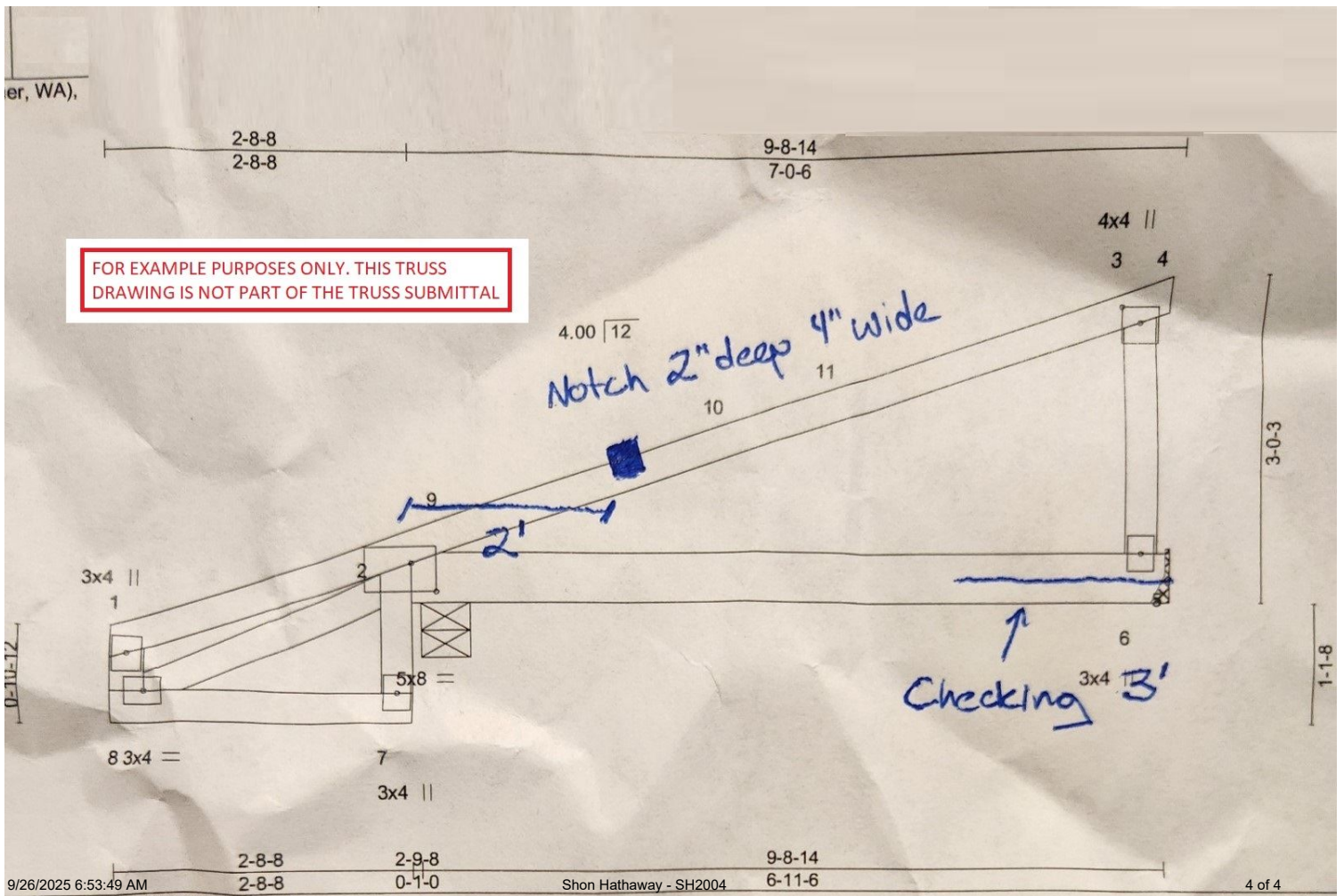
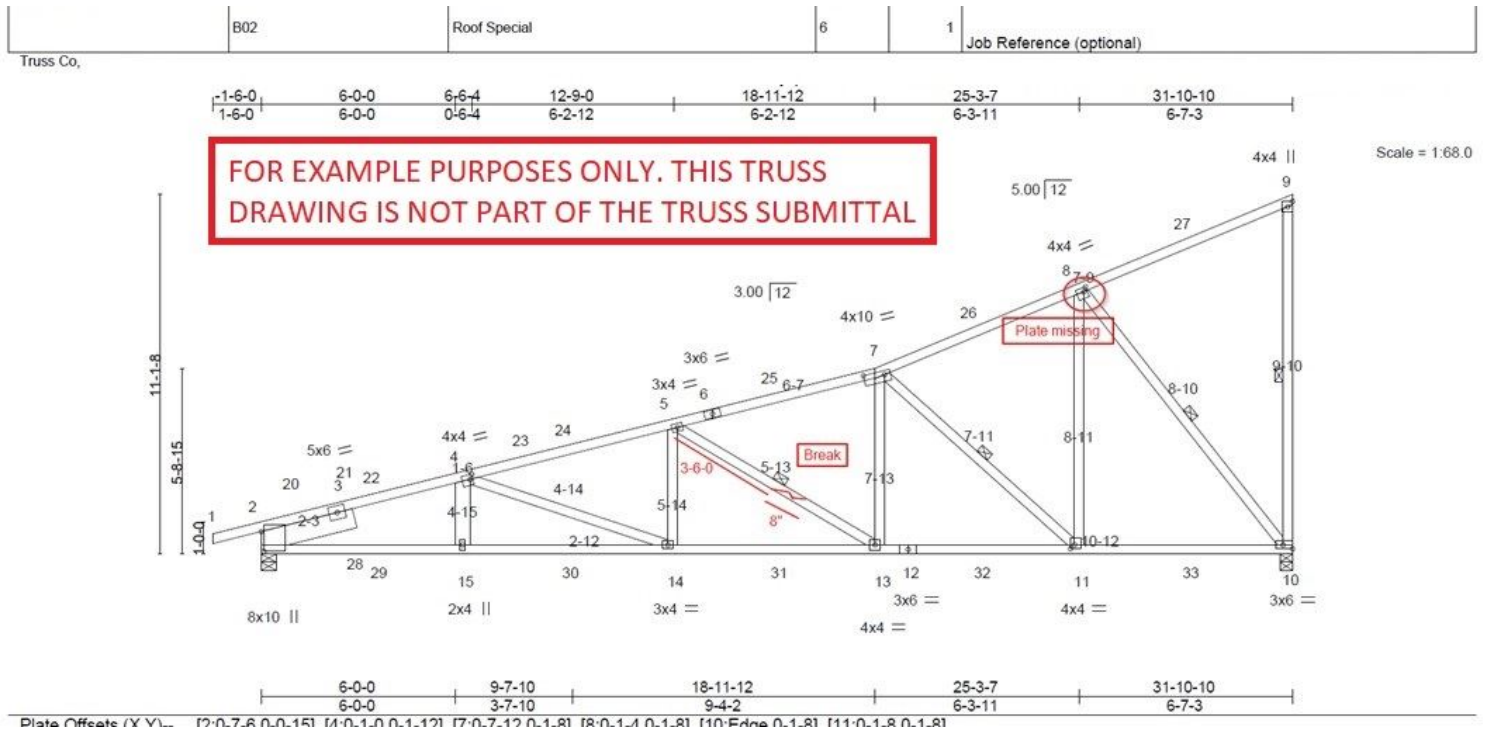
You can write it all out or mark up a truss seal by hand or with your tablet, if we have all the information from the beginning it will expedite the process and will minimize delays

Although every effort is made by The Truss Company to ensure our designs are clean, accurate and optimized; and our drawings are reviewed and approved prior to production by the Builder, Architect, and Engineer of Record (EOR), repairs are still required from time to time. In these cases our goal is to be able to get the engineered repair sealed as fast as possible. This means that we need a repair request submitted as an issue is discovered.

All repair requests submitted to The Truss Company are assumed to be no-charge repairs (no back charge to us from the project owner, builder or our customer) unless stated at the time of request. We reserve the right to repair or replace trusses depending on the many factors around a specific situation.

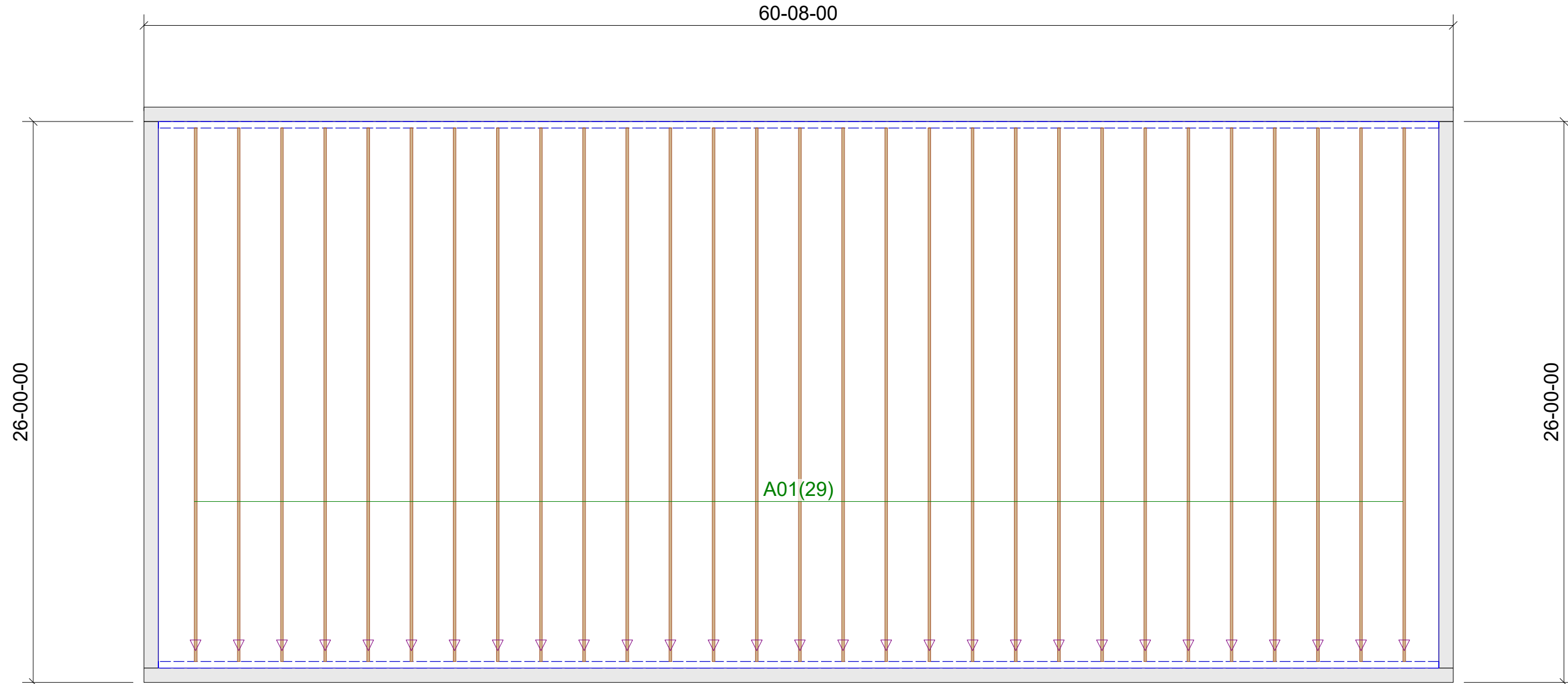
The Truss Company does not accept back charges that have not received written approval prior to any job modifications. The Truss Company is not responsible for the cost of reinstallation, decking, replacing wiring/venting/insulation/drywall/paint or any additional work incurred due to the installation of broken/damaged trusses or trusses that do not match the jobsite conditions.

Please take a look at the below images for examples on how to submit repair requests



DESIGN NOTES:

- THE SYMBOL ◀ INDICATES LEFT END OF TRUSS WITH RESPECT TO TRUSS CALCS.
- NON-STANDARD WIDTH SHEAR PANELS (BLOCKING PANELS) PROVIDED BY OTHERS.



**HUS28 HANGER TYP (EOR TO VERIFY)
 LOW END OF TRUSSES BASED ON 18"
 MUST BE FIELD VERIFIED TO PLANE WITH
 EXISTING TRUSSES**

60-08-00

SHOP DRAWING REVIEW

<input checked="" type="checkbox"/> REVIEWED	<input type="checkbox"/> REVISE & RESUBMIT	<input type="checkbox"/> SUBMIT SPECIFIED ITEM
<input type="checkbox"/> REJECTED	<input type="checkbox"/> FURNISH AS CORRECTED	

Corrections or comments made on the shop drawings during this review do not relieve contractor from compliance with requirements of the drawings and specifications. This check is only for review of general conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with the work of all other trades; and performing his work in a safe and satisfactory manner.

C. CHRISTIAN FYNBOE, P.E.
 DATE: 10/23/25 BY: CO

Address: 608 River Road Puyallup, WA 98371

Drawing Type:
Roof Trusses

Loading
 TC/LL = 25.0 lb
 TC/DL = 10.0 lb
 BC/DL = 8.0 lb
 WIND = 100 mph 'B'

Customer: Accrete Construction LLC
Job Name: Puyallup Mazda Expansion
Job Number: J1189123
Plan:

Sales Rep: Commercial House
Estimate By: Al Hanson
Finalized By: Shon Hathaway
Date: 9/26/2025



- THIS IS A TRUSS PLACEMENT PLAN ONLY. All trusses are designed as individual building components built to the building designer's specifications as given to us in the plans, see individual truss design sheets for specific loading and design.
 - VERIFY ALL DIMENSIONS. Temporary truss bracing is the responsibility of the general contractor. Permanent bracing is the responsibility of the building designer. Individual bracing of "at-compression" truss pieces is marked out on the truss seals and it is the responsibility of the contractor to verify it is installed as specified.
 - Do not install broken/damaged trusses or trusses that do not match the jobsite conditions, please inform your salesman if any such conditions are discovered.
 - All Truss-To-Structural element connections shown on this layout are a suggestion provided as a courtesy to the builder and must be specified in the construction documents as approved by the building designer per ANSIT/PTI 1-2014 2.3.2.4 prior to their installation.

ROOF TRUSS LAYOUT - PUYALLUP MAZDA EXPANSION - PLAN ORIENTATION

MiTek, Inc.
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571

Re: J1189123

Accrete Construction LLC

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by The Truss Company (Sumner, WA).

Pages or sheets covered by this seal: R90444337 thru R90444337

My license renewal date for the state of Washington is April 30, 2027.



September 26, 2025

Reinmuth, Dustin

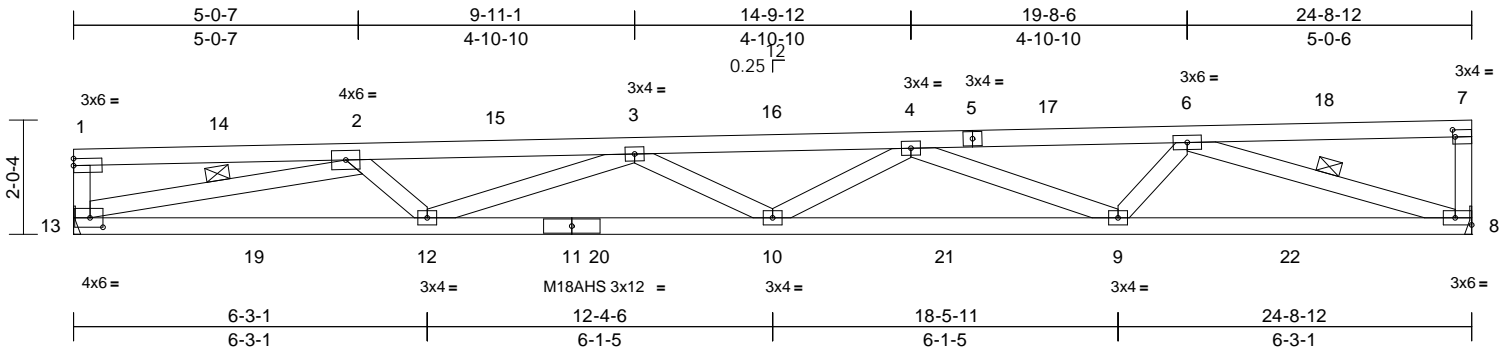
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which 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 J1189123	Truss A01	Truss Type Monopitch	Qty 29	Ply 1	Accrete Construction LLC Job Reference (optional)	R90444337
-----------------	--------------	-------------------------	-----------	----------	--	-----------

The Truss Company (Sumner, WA), Sumner, WA - 98390,

Run: 25.30 S Sep 7 2025 Print: 25.3.0 S Sep 7 2025 MiTek Industries, Inc. Thu Sep 25 14:13:01
ID:5VQBIP8KjkwRARew9t0Lxya3jq-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC7f

Page: 1



Scale = 1:40.8

Plate Offsets (X, Y): [7:0-0-8,0-1-8], [8:Edge,0-1-8], [13:0-2-12,0-2-0]

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	0.64	Vert(LL)	-0.39	10-12	>751	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.67	10-12	>435	240	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.12	8	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-AS								
BCDL	8.0											
											Weight: 103 lb	FT = 20%

LUMBER

TOP CHORD 2x4 HF-N No.1/No.2
 BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 DF-N 1800F 1.6E
 WEBS 2x4 DF Stud

BRACING

TOP CHORD Structural wood sheathing directly applied, except end verticals.
 BOT CHORD Rigid ceiling directly applied.
 WEBS 1 Row at midpt 2-13, 6-8

REACTIONS

(size) 8= Mechanical, 13= Mechanical
 Max Horiz 13=14 (LC 8)
 Max Uplift 8=125 (LC 8), 13=123 (LC 8)
 Max Grav 8=1051 (LC 1), 13=1051 (LC 1)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-13=-360/78, 1-2=-248/44, 2-3=-3506/905, 3-4=-4291/1113, 4-6=-2982/768, 6-7=-154/19, 7-8=-351/73
 BOT CHORD 12-13=-874/3127, 10-12=-1205/4349, 9-10=-1122/4063, 8-9=-709/2571
 WEBS 2-13=-3047/840, 6-8=-2605/725, 2-12=-67/567, 3-12=-909/307, 3-10=-250/270, 4-10=-30/492, 4-9=-1176/378, 6-9=-107/675

NOTES

- 1) Wind: ASCE 7-16; Vult=100mph (3-second gust) Vasd=79mph; TCDL=4.8psf; BC DL=4.2psf; h=25ft; Cat. II; Exp B; Partially Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) zone; 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; Partially Exp.; Ce=1.0; 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) 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 13 and 125 lb uplift at joint 8.
- 9) This truss has been designed for a moving concentrated load of 250.0lb live and 50.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



September 26, 2025

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

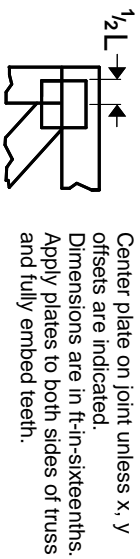
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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®

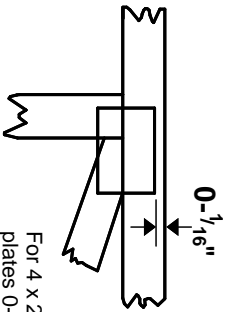
400 Sunrise Ave., Suite 270
 Roseville, CA 95661
 916.755.3571 / MiTek-US.com

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

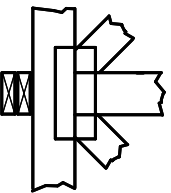
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

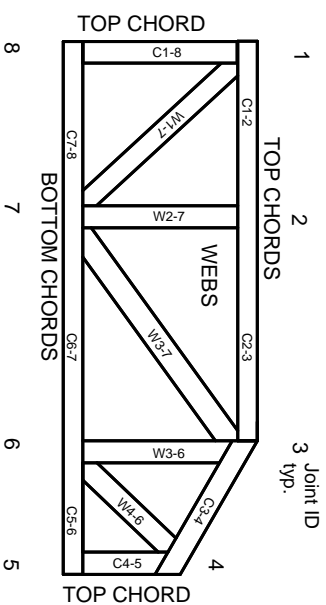


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

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.

© 2023 MITtek® All Rights Reserved

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