# DRAWING INDEX

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ISSUE LOG KEY:
' X ' ISSUED AS PART OF A SET
' - ' NOT A PART OF ISSUED SET
' * ' FOR INFORMATION ONLY

DATE: 08/24/2026

## PROJECT DESCRIPTION:

THE SCOPE OF THIS PROJECT IS LIMITED TO THE NORTH MEDFORD HIGH SCHOOL AUDITORIUM ROOF OVER THE THEATER HOUSE. THE EXISTING THEATER HOUSE IS A SINGLE STORY SPACE WITH LONG-SPAN WOOD TRUSSES WITH GLULAM BEAM CHORDS AND SOLID SAWN WEB MEMBERS CONNECTED WITH SHEAR PLATES AND THROUGH BOLTS.

## PROJECT SCOPE:

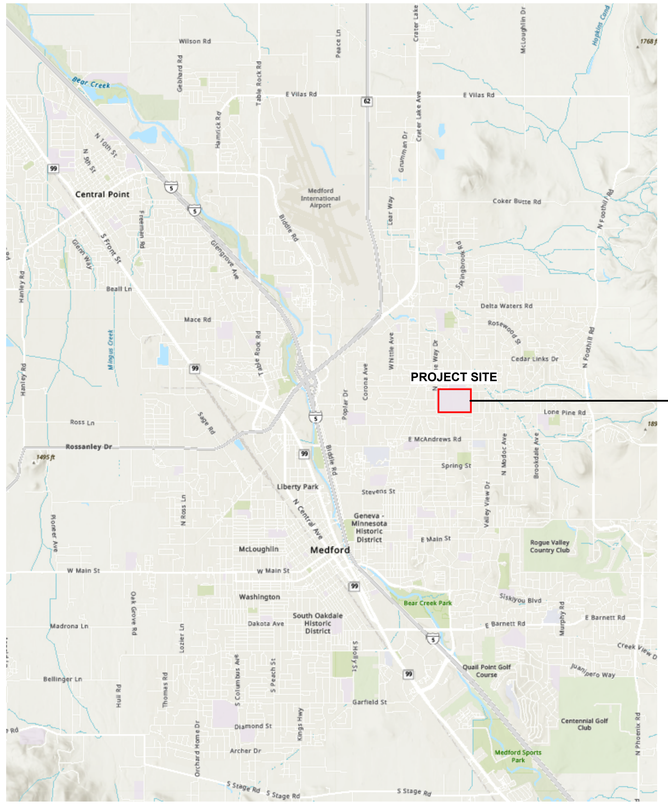
VOLUNTARY STRUCTURAL RETROFIT OF EXISTING LONG-SPAN WOOD TRUSSES OVER THE THEATER HOUSE FOR CURRENT CODE LEVEL SNOW LOAD DEMANDS.

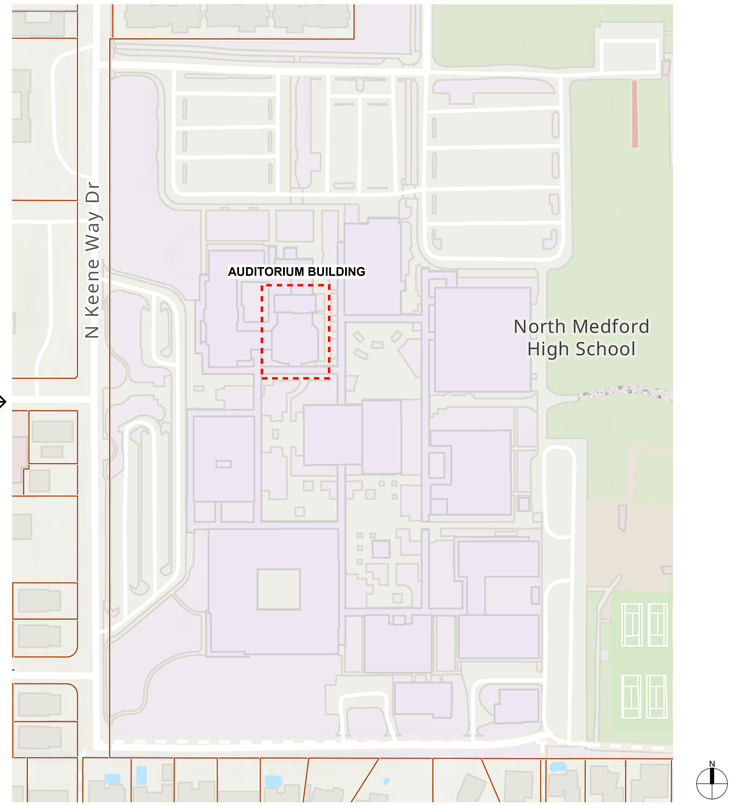
## PROJECT EXCLUSIONS:

THE FOLLOWING IS OUTSIDE THE SCOPE OF THIS PROJECT:

- SEISMIC/WIND LATERAL FORCE-RESISTING SYSTEM ANALYSIS AND UPGRADES INCLUDING PRIMARY VERTICAL SYSTEMS AND DIAPHRAGMS.
- EVALUATION OF EXISTING ROOF DECK, ROOF JOISTS, COLUMNS, WALLS, FOUNDATIONS NOT NOTED IN THE PROJECT SCOPE.

## VICINITY MAP:




## LIST OF ABBREVIATIONS

| | |
|---|---|
| A.B. | ANCHOR BOLT |
| ACI | AMERICAN CONCRETE INSTITUTE |
| ADD'L. | ADDITIONAL |
| AISC | AMERICAN INSTITUTE OF STEEL CONSTRUCTION |
| ALT. | ALTERNATE |
| ARCH. | ARCHITECT / ARCHITECTURAL |
| ASCE | AMERICAN SOCIETY OF CIVIL ENGINEERS |
| ASD | ALLOWABLE STRENGTH DESIGN LOAD LEVEL |
| ASTM | AMERICAN SOCIETY FOR TESTING AND MATERIALS |
| AWS | AMERICAN WELDING SOCIETY |
| BLDG. | BUILDING |
| BOT. | BOTTOM |
| C.G. | CENTER OF GRAVITY |
| C.I.P. | CAST IN PLACE |
| C.J. | CONTROL JOINT |
| C.J.P. | COMPLETE JOINT PENETRATION |
| CL | CENTERLINE |
| CLR. | CLEAR |
| COL. | COLUMN |
| CONC. | CONCRETE |
| CONN. | CONNECTION |
| CONST. | CONSTRUCTION |
| CONT. | CONTINUOUS |
| DET. | DETAIL |
| DIA., Ø | DIAMETER |
| DIAG. | DIAGONAL |
| D.L. | DEAD LOAD |
| DWG. | DRAWING |
| ELEC. | ELECTRICAL |
| EL. | ELEVATION |
| EQ. | EQUAL |
| EXIST., (E) | EXISTING |
| EXP. | EXPANSION |
| EXT. | EXTERIOR |
| FDN. | FOUNDATION |
| FIN. | FINISH |
| FLR. | FLOOR |
| FT. | FOOT |
| FTG. | FOOTING |
| GA. | GAUGE |
| GALV. | GALVANIZED |
| GL | GLULAM |
| HORIZ. | HORIZONTAL |
| HSS | HOLLOW STRUCTURAL STEEL |
| IBC | INTERNATIONAL BUILDING CODE |
| I.D. | INSIDE DIAMETER |
| IN. | INCHES |
| INT. | INTERIOR |
| K | KIPS |
| KSF | KIPS PER SQUARE FOOT |
| KSI | KIPS PER SQUARE INCH |
| LBS. | POUNDS |
| L.L. | LIVE LOAD |
| LLH | LONG LEG HORIZONTAL |
| LLV | LONG LEG VERTICAL |
| LOC. | LOCATION |
| LONG. | LONGITUDINAL |
| LVF | LOW VELOCITY FASTENER |
| MAX. | MAXIMUM |
| MECH. | MECHANICAL |
| MEPF | MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SAFETY |
| MFR. | MANUFACTURER |
| MIN. | MINIMUM |
| MISC. | MISCELLANEOUS |
| MPH | MILES PER HOUR |
| MT | MAGNETIC PARTICLE TESTING |
| (N) | NEW |
| N.I.C. | NOT IN CONTRACT |
| NOM. | NOMINAL |
| NO. | NUMBER |
| N.T.S. | NOT TO SCALE |
| o.c. | ON CENTER |
| O.D. | OUTSIDE DIAMETER |
| OPP. | OPPOSITE |
| PAF | POWDER ACTUATED FASTENER |
| PART. | PARTITION |
| PCF | POUNDS PER CUBIC FOOT |
| PERIM. | PERIMETER |
| PL | PLATE |
| PP | PARTIAL PENETRATION |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUNDS PER SQUARE INCH |
| PVC | POLYVINYL CHLORIDE |
| R, RAD. | RADIUS |
| RCSC | RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS |
| REF. | REFERENCE |
| RET. | RETURN |
| REQ'D. | REQUIRED |
| REQ'MTS. | REQUIREMENTS |
| SCHED. | SCHEDULE |
| S.C. | SLIP CRITICAL |
| SIM. | SIMILAR |
| SLFS | SEISMIC FORCE RESISTING SYSTEM |
| S.O.G. | SLAB ON GRADE |
| SPEC. | SPECIFICATION |
| SQ. | SQUARE |
| SSMA | STEEL STUD MANUFACTURERS ASSOCIATION |
| STD. | STANDARD |
| STL. | STEEL |
| STRUCT. | STRUCTURAL |
| SYM. | SYMMETRICAL |
| THRU | THROUGH |
| T&G | TONGUE AND GROOVE |
| TRANS. | TRANSVERSE |
| TYP. | TYPICAL |
| U.N.O. | UNLESS NOTED OTHERWISE |
| U.T. | ULTRASONIC TESTING |
| ULT. | ULTIMATE STRENGTH DESIGN LOAD LEVEL |
| VERT. | VERTICAL |
| V.I.F. | VERIFY IN FIELD |
| w/ | WITH |
| WF | WIDE FLANGE |
| w/o | WITHOUT |
| W.P. | WORK POINT |
| WPS | WELDING PROCEDURE |


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STRUCTURAL
REGISTERED PROFESSIONAL ENGINEER
14019PE
OREGON
MAR. 19, 2004
ANNE B. MONNIER
EXPIRES: 12/31/2026

# N Medford High School Auditorium Truss Retrofit

1900 N Keene Way Dr, Medford, OR 97504
Medford School District

Revisions:

| Rev. | Description | Date |
|---|---|---|

DRAWING INDEX AND LIST OF ABBREVIATIONS

| | |
|---|---|
| Drawn By: | KK |
| Designed By: | SL |
| Project No: | 10022500802 |
| Date: | 08/19/2026 |
| Scale: | 12" = 1'-0" |

Drawing No:

S001


8/24/2026 1:37:15 PM
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Auditorium 10022500802 MEDFORD HIGH HS

# GENERAL STRUCTURAL NOTES

## LONG-SPAN WOOD TRUSS REPAIR AND STRENGTHENING

DAMAGED WOOD TRUSSES WILL BE REPAIRED AND STRENGTHENED TO SUPPORT GRAVITY LOADS PRESCRIBED BY THE REFERENCED CODE FOR NEW CONSTRUCTION SNOW LOAD. SEE PLAN AND ELEVATIONS FOR WORK THAT IS REQUIRED TO BE COMPLETED.

UNDAMAGED WOOD TRUSSES MAY ALSO BE STRENGTHENED TO SUPPORT GRAVITY LOADS PRESCRIBED BY THE REFERENCED CODE FOR NEW CONSTRUCTION SNOW LOAD. STRENGTHENING OF UNDAMAGED TRUSSES MAY BE COMPLETED ON A VOLUNTARY BASIS.

THE SCOPE OF WORK FOR REPAIR AND STRENGTHENING IS BASED ON THE STRUCTURAL ASSESSMENT REPORT "MEDFORD SCHOOL DISTRICT EXISTING BUILDING ASSESSMENT - LONG SPAN TIMBER ROOFS" BY KPFF DATED MARCH 9, 2026.

REFERENCE S001 FOR ADDITIONAL PROJECT SCOPE AND EXCLUSIONS. OTHER EXISTING STRUCTURAL FRAMING, INCLUDING ROOF DECKING AND JOISTS, COLUMNS, WALLS AND PILASTERS, AND FOUNDATIONS HAVE NOT BEEN EVALUATED, EXCEPT WHERE DIRECTLY IMPACTED BY TRUSS MODIFICATIONS PER OSSC SECTION 3408.5.2.

## STRUCTURE SUMMARY - NORTH MEDFORD HIGH SCHOOL FINE ARTS (AUDITORIUM) BUILDING

| EXISTING BUILDING DESCRIPTION | |
|---|---|
| ORIGINAL CONSTRUCTION | 1965 STRUCTURAL AND ARCHITECTURAL DRAWINGS BY PAYNE & STRUBLE ARCHITECTS |
| ROOF GRAVITY FRAMING | 3X T&G DECKING OVER HEAVY TIMBER JOISTS SPANNING TO LONG-SPAN TIMBER HOWE TRUSSES TO WF COLUMNS. |
| MEZZANINE FRAMING | WOOD JOIST FRAMING TO STUD WALLS AT SELECT LOCATIONS IN THE AUDITORIUM |
| EXISTING LATERAL SYSTEM | 3X T&G DECKING DIAPHRAGM WITH PERIMETER PLYWOOD SHEAR WALLS |

| STRUCTURAL ALTERATIONS | |
|---|---|
| RISK CATEGORY | III |
| DESIGN BASIS FOR ALTERATIONS IMPACTING EXISTING GRAVITY FRAMING ELEMENTS | OSSC 3408.5.2: EXISTING ELEMENTS WITH INCREASE IN DESIGN LOADS BY MORE THAN 5% AND EXISTING ELEMENTS WITH REDUCTIONS TO CAPACITY WILL BE STRENGTHENED TO MEET CURRENT CODE. |

## EXISTING MATERIAL PROPERTIES

| WELDABILITY OF EXISTING STEEL |
|---|
| CHEMICAL ANALYSIS WAS PEROFRMED ON SAMPLES OF EXISTING STEEL COMPONENTS TO DETERMINE WELDABILITY. THE CARBON EQUIVALENT (CE) OF EXISTING MEMBERS IS:<br>**0.10-0.15%** AT EXISTING STEEL PLATE AND ANGLE SECTIONS<br>**0.35-0.40%** AT EXISTING WF SECTIONS<br>WELD PROCEDURES SHALL ACCOUNT FOR VARIABILITY IN EXISTING MATERIALS. |
| **WOOD GRADING BASED ON WOOD RESEARCH AND DEVELOPMENT REPORT DATED MAY 20, 2026 (VALUES BASED ON 2024 NDS SUPPLEMENT)** |
| SOLID SAWN DOUGLAS FIR "POSTS AND TIMBERS" NO. 2<br>GLUED-LAMINATED MEMBERS DOUGLAS FIR COMBINATION 1 GRADE L3 |

## GENERAL

STRUCTURAL DRAWINGS ARE A PART OF THE CONTRACT DOCUMENTS AND ARE COMPLEMENTARY TO THE SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REQUIREMENTS FROM THE CONTRACT DOCUMENTS INTO THEIR SHOP DRAWINGS AND WORK. AS REQUIRED BY THE GENERAL CONDITIONS, THE CONTRACTOR SHALL PROMPTLY REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES, OR OMISSIONS IN THE CONTRACT DOCUMENTS DISCOVERED BY OR MADE KNOWN TO THE CONTRACTOR.

NOTES AND DETAILS ON THE STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. WHERE CONFLICT EXISTS, THE MORE STRINGENT OR RESTRICTIVE REQUIREMENT SHALL GOVERN UNTIL CLARIFICATION IS REQUESTED.

**CODE REQUIREMENTS:**

CONFORM TO THE 2025 OREGON STRUCTURAL SPECIALTY CODE (OSSC), BASED ON THE 2024 INTERNATIONAL BUILDING CODE (IBC).

**TEMPORARY CONDITIONS:**

THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES UNTIL COMPLETION.

CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.

**EXISTING CONDITIONS:**

ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL NOTIFY THE SEOR OF ANY SIGNIFICANT DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.

**ASSUMED FUTURE CONSTRUCTION:**

VERTICAL: NONE
HORIZONTAL: NONE

## DESIGN CRITERIA

DESIGN WAS BASED ON THE STRENGTH AND DEFLECTION CRITERIA OF THE OSSC. IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADS AND ALLOWABLES WERE USED FOR DESIGN, WITH LIVE LOADS (L.L.) REDUCED PER OSSC:

| GRAVITY SYSTEM CRITERIA | | |
|---|---|---|
| **OCCUPANCY OR USE** | **UNIFORM LOAD** | **CONCENTRATED LOAD** |
| ROOF LIVE/SNOW LOAD | 20 PSF ROOF LIVE LOAD (ALSO SEE SNOW LOAD CRITERIA BELOW) | |
| GRAVITY LOADING NOTES: | 1. LIVE LOADS REDUCED PER OSSC.<br>2. MEMBERS DESIGNED FOR MORE CRITICAL OF UNIFORM OR CONCENTRATED LOAD. | |
| **FRAMING MEMBER** | **DEFLECTION LIMITS** | |
| VERTICAL ROOF FRAMING DEFLECTION - BUILDING INTERIOR | I/240 DUE TO SNOW LOAD AND I/180 DUE TO SNOW LOAD PLUS LONG TERM CREEP COMPONENT OF D.L. | |
| DEFLECTION LIMIT NOTES: | 1. l = LENGTH OF STRUCTURAL FRAMING MEMBER BETWEEN SUPPORTS.<br>2. FOR CANTILEVER FRAMING, l SHALL BE TAKEN AS 2X THE CANTILEVER LENGTH.<br>3. LONG TERM CREEP COMPONENT OF DEAD LOAD (D.L.) INCLUDES ONLY THE TIME DEPENDENT PORTION OF LONG TERM DEAD LOADING AND IS APPLICABLE TO WOOD FRAMING ONLY. | |
| **SNOW CRITERIA** | | |
| DESIGN ROOF SNOW LOAD | 29 PSF + 8 PSF RAIN ON SNOW MINIMUM IN ACCORDANCE WITH OSSC | |
| WINTER WIND PARAMETER | 0.25 | |
| SNOW DRIFT | PER OSSC AS SHOWN ON PLANS | |
| GROUND SNOW LOAD | $P_g$= 29 PSF | |
| FLAT ROOF SNOW LOAD | $P_f$= 25 PSF | |
| SNOW EXPOSURE FACTOR | $C_e$ = 1.0 | |
| THERMAL FACTOR | $C_t$ = 1.2 | |

## STRUCTURAL OBSERVATIONS

THE STRUCTURAL ENGINEER OF RECORD (SEOR) WILL PERFORM STRUCTURAL OBSERVATIONS BASED ON THE REQUIREMENTS OF THE OSSC AT THE STAGES OF CONSTRUCTION LISTED BELOW. CONTRACTOR SHALL PROVIDE SUFFICIENT ADVANCED NOTICE AND ACCESS FOR THE SEOR TO PERFORM THESE OBSERVATIONS.

| ITEM | COMMENTS |
|---|---|
| DURING INITIAL STEEL ERECTION | |
| AS REQUIRED TO ADDRESS STRUCTURAL ISSUES | |

A FIELD REPORT WILL BE SUBMITTED TO THE BUILDING DEPARTMENT FOLLOWING EACH SITE VISIT.

STRUCTURAL OBSERVATION IS FOR THE GENERAL CONFORMANCE OF THE STRUCTURAL DRAWINGS AND DOES NOT ALLEVIATE ANY SPECIAL INSPECTION REQUIREMENTS.

## SPECIAL INSPECTIONS AND TESTING

SPECIAL INSPECTION WILL BE PROVIDED BY THE OWNER BASED ON THE REQUIREMENTS OF THE OSSC AS SUMMARIZED IN THE SPECIAL INSPECTION AND TESTING PROGRAM ON SHEETS S003. CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE SPECIAL INSPECTOR TO PERFORM THESE INSPECTIONS.

## SUBMITTALS

SUBMIT SHOP DRAWINGS AND OTHER SUBMITTALS TO THE ENGINEER PRIOR TO FABRICATION AND CONSTRUCTION OF STRUCTURAL ITEMS. IF THE SUBMITTALS DIFFER FROM OR ADD TO THE STRUCTURAL CONTRACT DOCUMENTS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF OREGON. ANY CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ARE SUBJECT TO REVIEW AND ACCEPTANCE BY THE SEOR.

FIELD ENGINEERED DETAILS DEVELOPED BY THE CONTRACTOR THAT DIFFER FROM OR ADD TO THE STRUCTURAL DRAWINGS SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OREGON AND SHALL BE SUBMITTED TO THE SEOR PRIOR TO CONSTRUCTION.

THE USE OF REPRODUCTIONS OR PHOTOCOPIES OF THE CONTRACT DRAWINGS SHALL NOT BE PERMITTED. WHEN CAD OR REVIT FILES ARE PROVIDED TO THE CONTRACTOR OR SUBCONTRACTORS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR/SUBCONTRACTOR TO REMOVE ALL INFORMATION NOT DIRECTLY RELEVANT TO THE SCOPE OF THE SUBMITTAL AS WELL AS ALL REFERENCES TO OUTSIDE SOURCE FILES.

DELEGATED DESIGN SUBMITTALS SHALL INCLUDE DESIGN DRAWINGS AND CALCULATIONS FOR ITEMS THAT ARE DESIGNED BY OTHERS. DELEGATED DESIGN SUBMITTALS SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OREGON ON EVERY DRAWING SHEET AND ON THE CALCULATION COVER SHEET, AND SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION. CALCULATIONS AND DETAILS SHALL BE INCLUDED FOR ALL CONNECTIONS TO THE STRUCTURE, CONSIDERING LOCALIZED EFFECTS ON STRUCTURAL ELEMENTS. DESIGN SHALL BE BASED ON THE REQUIREMENTS OF THE OSSC AND AS NOTED UNDER "DESIGN CRITERIA".

SUBMITTALS AND DELEGATED DESIGN SUBMITTALS SHALL INCLUDE THE FOLLOWING:

| ITEM | SUBMITTAL | DELEGATED DESIGN SUBMITTAL | COMMENTS |
|---|---|---|---|
| STRUCTURAL STEEL | X | | |
| STEEL WELDING PROCEDURES | X | | |
| STEEL FASTENERS | X | | |
| TIMBER FASTENERS | X | | |

## STRUCTURAL STEEL

STRUCTURAL STEEL SHALL BE OF THE MATERIAL AND TYPE LISTED BELOW, U.N.O.:

| STRUCTURAL STEEL | |
|---|---|
| **SHAPE** | **MATERIAL GRADE** |
| CHANNELS | ASTM A572, GRADE 50 |
| PLATES WHERE NOTED | ASTM A572, GRADE 50 |
| PLATES AND ANGLES, U.N.O. | ASTM A36 |

DESIGN, DETAILING, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH THE AISC 360, "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" WITH "COMMENTARY" AND THE "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", WITH THE FOLLOWING CLARIFICATIONS AND ADDITIONS:

1. CLARIFY SECTIONS 7.5.1 AND 7.5.3 AS FOLLOWS:
   EMBEDMENT LOCATION DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD FOR INFORMATION ONLY. THE SEOR IS NOT RESPONSIBLE FOR THE APPROVAL OF EMBEDMENT LOCATION DRAWINGS.
2. ADD THE FOLLOWING PARAGRAPH TO SECTION 7.10.3:
   "THE ERECTOR SHALL HAVE THE SOLE RESPONSIBILITY FOR DETERMINING THE MEANS AND METHODS USED TO PROPERLY AND ADEQUATELY BRACE THE FRAMING DURING ERECTION."

BOLTS SHALL CONFORM TO THE ASTM AND RCSC SPECIFICATIONS FOR JOINTS USING HIGH STRENGTH BOLTS. BOLTS SHALL BE ASTM F3125 GRADE A325 AND GRADE A490 WHERE NOTED, AND SNUG-TIGHT UNLESS NOTED OTHERWISE.

WELDING SHALL CONFORM TO THE AWS CODES FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH A WELDING PROCEDURE SPECIFICATION (WPS) AS REQUIRED IN AWS D1.1 AND APPROVED BY THE STRUCTURAL ENGINEER. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLISHED BY THE FILLER-METAL MANUFACTURER.

WELDS SHALL BE MADE USING E70XX ELECTRODES AND SHALL BE 3/16" MINIMUM, UNLESS OTHERWISE NOTED. WELDING SHALL BE BY AWS CERTIFIED WELDERS.

## SAWN LUMBER

SAWN LUMBER SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE CURRENTLY ACCEPTED NATIONAL DESIGN SPECIFICATION (NDS) DESIGN VALUES FOR WOOD CONSTRUCTION AND CONFORMING TO THE WEST COAST LUMBER INSPECTION BUREAU OR WESTERN WOOD PRODUCTS ASSOCIATION GRADING RULES.

WOOD BLOCKING SHALL BE DOUGLAS FIR-LARCH OF NO. 2 & BETTER WITH MOISTURE CONTENT CLASSIFIED AS "MC 15 OR BETTER". SALVAGED LUMBER IS ACCEPTABLE PROVIDED IT IS GRADED BY AN APPROVED GRADING AGENCY PRIOR TO USE AND MEETS A MINIMUM ALLOWABLE BENDING STRESS (Fb) OF 1,000 PSI. CONTRACTOR TO SUBMIT A GRADING REPORT ON EACH MEMBER TO THE SEOR PRIOR TO INSTALLATION.

CUTTING AND NOTCHING OF JOISTS AND STUDS SHALL CONFORM TO THE TYPICAL WOOD DETAILS PROVIDED OR OSSC SECTIONS 2308.4.2.4, 2308.5.9 AND 2308.7.4 WHERE NO DETAILS ARE SPECIFIED.

## LUMBER FASTENERS AND ACCESSORIES

FRAMING ACCESSORIES INDICATED SHALL BE MANUFACTURED BY SIMPSON STRONG TIE (OR APPROVED EQUAL) AND OF THE SIZE AND TYPE SPECIFIED. ALL NAIL HOLES SHALL BE FILLED WITH STRUCTURAL FASTENERS, UNLESS NOTED OTHERWISE ON THE DRAWINGS AND FASTENERS SHALL BE INSTALLED FOLLOWING ALL MANUFACTURERS REQUIREMENTS. ACCESSORIES SHALL BE GALVANIZED UNLESS INDICATED OTHERWISE. PROVIDE G90 COATING EXCEPT WHERE IN CONTACT WITH PRESERVATIVE OR FIRE RETARDANT TREATED WOOD IN WHICH CASE G185 SHALL BE PROVIDED. SUBMIT SUBSTITUTION REQUESTS TO SEOR FOR APPROVAL OUTLINING THE FRAMING ACCESSORIES BEING REPLACED AND THE SUBSTITUTED FRAMING ACCESSORIES. ALLOWABLE LOADS FOR THE SPECIFIED ACCESSORIES SHALL BE TABULATED ALONG WITH THE ALLOWABLE LOADS FOR THE SUBSTITUTED ACCESSORIES. SUBSTITUTION REQUESTS WILL ONLY BE APPROVED WHERE SUBSTITUTED PRODUCTS ARE CLEARLY DOCUMENTED TO HAVE EQUAL OR GREATER CAPACITY IN ALL DIRECTIONS.

ALL FRAMING NAILS SHALL BE THE SIZE AND QUANTITY INDICATED AND CONFORM TO ASTM F 1667, INCLUDING SUPPLEMENT 1, "STANDARD SPECIFICATION OF DRIVEN FASTENERS: NAILS, SPIKES, AND STAPLES" AND ICC-ES REPORT ESR-1539 "POWER-DRIVEN STAPLES AND NAILS". NAILS SHALL BE IDENTIFIED BY LABELS (ATTACHED TO THEIR CONTAINERS) THAT SHOW THE MANUFACTURER'S NAME AND ICC-ES REPORT NUMBER, NAIL SHANK DIAMETER AND LENGTH AND SHALL BE SUBMITTED TO THE SEOR PRIOR TO FRAMING. NAILING NOT SHOWN SHALL BE AS INDICATED IN OSSC TABLE 2304.10.2 OR ICC ESR-1539. THE FOLLOWING NAIL SIZES SHALL BE USED WITH THE NAIL LENGTH DETERMINED BY MINIMUM PENETRATION INTO FRAMING MEMBER:

| FRAMING NAILS | | |
|---|---|---|
| **NAIL TYPE** | **SHANK DIAMETER (IN.)** | **MINIMUM PENETRATION INTO FRAMING MEMBER (IN.)** |
| 6d | 0.113 | 1.125 |
| 8d | 0.131 | 1.375 |
| 10d | 0.148 | 1.5 |
| 12d | 0.148 | 1.5 |
| 16d | 0.148, 0.162 | 1.5, 1.625 |

BOLTS AND LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1. ALL BOLTS AND LAG SCREWS SHALL BE INSTALLED WITH STANDARD CUT WASHERS.

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REGISTERED PROFESSIONAL ENGINEER — STRUCTURAL — 14019PE — OREGON — MAR. 10, 2006 — ANNE B. MONNIER
EXPIRES 12/31/2026

N Medford High School Auditorium Truss Retrofit
1900 N Keene Way Dr, Medford, OR 97504
Medford School District

Revisions:

| Rev. | Description | Date |
|---|---|---|

GENERAL STRUCTURAL NOTES

| | |
|---|---|
| Drawn By: | KK |
| Designed By: | SL |
| Project No: | 10022500802 |
| Date: | 08/19/2026 |
| Scale: | 12" = 1'-0" |

Drawing No:
S002

8/4/2026 1:37:11 PM
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Author: KK
Check: SL
AUDITORIUM

# SPECIAL INSPECTIONS

**STATEMENT OF SPECIAL INSPECTION NOTES:**

1. SPECIAL INSPECTIONS SHALL CONFORM TO SECTION 1705 OF THE 2025 OSSC, CONTRACT DOCUMENTS AND APPROVED SUBMITTALS. REFER TO SPECIAL INSPECTION AND TESTING TABLES FOR PROJECT REQUIREMENTS.

2. SPECIAL INSPECTIONS AND ASSOCIATED TESTING SHALL BE PERFORMED BY AN APPROVED ACCREDITED INDEPENDENT AGENCY MEETING THE REQUIREMENTS OF ASTM E329 (MATERIALS). THE INSPECTION AND TESTING AGENCY SHALL FURNISH TO THE STRUCTURAL ENGINEER A COPY OF THEIR SCOPE OF ACCREDITATION. SPECIAL INSPECTORS SHALL BE APPROVED BY THE BUILDING OFFICIAL. WELDING INSPECTORS SHALL BE QUALIFIED PER SECTION 6.1.4.1(1) OF AWS D1.1.

3. THE SPECIAL INSPECTOR SHALL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND NOTED IN THE INSPECTION REPORTS.

4. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, STRUCTURAL ENGINEER, CONTRACTOR, AND OWNER. THE SPECIAL INSPECTION AGENCY SHALL SUBMIT A FINAL REPORT STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED AND IS IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND THAT ALL DISCREPANCIES NOTED IN THE INSPECTION REPORTS HAVE BEEN CORRECTED.

5 QUALITY ASSURANCE (QA) IS REQUIRED FOR STRUCTURAL STEEL ITEMS PER AISC 360 AND 341 UNLESS SPECIFICALLY NOTED OTHERWISE. QUALITY CONTROL (QC) TO BE PROVIDED BY THE FABRICATOR, ERECTOR OR OTHER RESPONSIBLE CONTRACTOR AS APPLICABLE. CONTRACTOR AND SPECIAL INSPECTOR TO DOCUMENT QUALITY CONTROL AS REQUIRED IN AISC 360 SECTION N3 AND AISC 341 SECTION J2.

6 **INSPECTION TYPES:**

CONTINUOUS : THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.

PERIODIC : THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.

OBSERVE : OBSERVE THESE FUNCTIONS ON A RANDOM, DAILY BASIS. OPERATIONS NEED NOT BE DELAYED PENDING OBSERVATIONS.

PERFORM : INSPECTIONS SHALL BE PERFORMED PRIOR TO THE FINAL ACCEPTANCE OF THE ITEM.

7 PERFORM INSPECTION PRIOR TO FINAL ACCEPTANCE OF THE ITEM FOR TEN WELDS TO BE MADE BY A GIVEN WELDER, WITH THE WELDER DEMONSTRATING UNDERSTANDING OF REQUIREMENTS AND POSSESSION OF SKILLS AND TOOLS TO VERIFY THESE ITEMS, THE PERFORM DESIGNATION OF THIS TASK SHALL BE REDUCED TO OBSERVE, AND THE WELDER SHALL PERFORM THIS TASK. SHOULD THE INSPECTOR DETERMINE THAT THE WELDER HAS DISCONTINUED PERFORMANCE OF THIS TASK, THE TASK SHALL BE RETURNED TO PERFORM UNTIL SUCH TIME AS THE INSPECTOR HAS RE-ESTABLISHED ADEQUATE ASSURANCE THAT THE WELDER WILL PERFORM THE INSPECTION TASKS LISTED.

8 SPECIAL INSPECTION OF MECHANICAL POST INSTALLED ANCHORS SHALL BE IN STRICT CONFORMANCE WITH THE ICC REPORT AND MANUFACTURER'S INSTALLATION REQUIREMENTS. ANCHOR INSTALLERS SHALL BE QUALIFIED AS REQUIRED BY JURISDICTION REQUIREMENTS.

- INSPECTION REPORTS SHALL IDENTIFY NAMES OF INSTALLERS.
- SPECIAL INSPECTOR SHALL PROVIDE DOCUMENTATION AT THE END OF ANCHOR INSTALLATIONS STATING THAT THE ANCHORS WERE INSPECTED PER APPROVED ANCHOR EVALUATION REPORT.

9 **TESTING ABBREVIATIONS:**

NDT - NON-DESTRUCTIVE TESTING

C.J.P. - COMPLETE JOINT PENETRATION

MT - MAGNETIC PARTICLE TESTING

10 DOCUMENT (D): INDICATES CONTRACTOR AND SPECIAL INSPECTOR TO PROVIDE DOCUMENTATION IN ACCORDANCE WITH AISC 341.

**GENERAL - SPECIAL INSPECTIONS**

| SYSTEM OR MATERIAL | OSSC CODE REFERENCE | CODE OR STANDARD REFERENCE | FREQUENCY (NOTE 6) | | REMARKS |
|---|---|---|---|---|---|
| | | | CONTINUOUS | PERIODIC | |
| FABRICATORS | 1705.11<br>1704.2.5 | | | | SPECIAL INSPECTION IS REQUIRED FOR STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES FABRICATED ON THE PREMISES OF A FABRICATOR'S SHOP. SPECIAL INSPECTIONS SHALL BE PERFORMED DURING FABRICATION. PERFORMING SPECIAL INSPECTIONS IS NOT REQUIRED, WHERE FABRICATOR HAS BEEN APPROVED AS AN APPROVED FABRICATOR, PER SECTION 1704.2.5.1. |
| SUBMITTALS TO THE BUILDING OFFICIAL | 1704.5 | | | X | CERTIFICATES OF COMPLIANCE, REPORTS OF PRE-CONSTRUCTION TESTS, OR REPORTS OF MATERIAL PROPERTIES SHALL BE SUBMITTED TO THE BUILDING OFFICIAL. |

**STEEL - TESTING**

| SYSTEM OR MATERIAL | OSSC CODE REFERENCE | CODE OR STANDARD REFERENCE | FREQUENCY (NOTE 6) | REMARKS |
|---|---|---|---|---|
| **STEEL** | | | | |
| ULTRASONIC (UT) TESTING OF WELDS | 1705.2.1 | AWS D1.1 8.13 & 8.14.3 | PER AISC 360 N5.5 | ALL C.J.P. WELDS IN MATERIAL 5/16" AND THICKER REQUIRE UT TESTING. |
| PRE-INSTALLATION VERIFICATION OF PRETENSIONED HIGH STRENGTH BOLTS | 1705.2.1 | RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS SECTION 7 | EACH COMBINATION OF DIAMETER, LENGTH, GRADE, AND LOT TO BE USED IN THE WORK | |

**STEEL - SPECIAL INSPECTIONS**

| SYSTEM OR MATERIAL | OSSC CODE REFERENCE | CODE OR STANDARD REFERENCE | INSPECTION (NOTES 5 AND 6) | | REMARKS |
|---|---|---|---|---|---|
| | | | CONTINUOUS/ PERFORM | PERIODIC/ OBSERVE | |
| CONTRACTOR QUALITY CONTROL REQUIREMENTS | | AISC 360 CHAPTER N | | X | CONTRACTOR TO PROVIDE QUALITY CONTROL FOR ALL ITEMS INDICATED TO BE OBSERVED AND/OR PERFORMED IN TABLE BELOW |
| STEEL FABRICATION | | | | | |
| FABRICATION OF STRUCTURAL ELEMENTS | 1704.2.5.1 | AISC 360 | | X | REFER TO INSPECTION OF FABRICATOR REQUIREMENTS |
| MATERIAL VERIFICATION OF STRUCTURAL STEEL COMPONENTS | 1705.2.1 TABLE 1705.2-3 | ASTM A6 ASTM STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS AISC 360 A3.1 AISC 360 N2.1 AISC 360 N3.2 | | X | CERTIFIED MILL TEST REPORTS IDENTIFICATION MARKINGS TO CONFORM TO AISC 360 AND ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS |
| MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS, AND WASHERS | 1705.2.1.1 1705.2.1.2 AISC 360 N5 TABLE 1705.2-1 TABLE 1705.2-2 | AISC 360 A3.3 AISC 360 N3.2 ASTM STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS RCSC 2.1 | | X | MANUFACTURER'S CERTIFIED TEST REPORTS IDENTIFICATION MARKINGS TO ASTM STANDARDS AND SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS MANUFACTURER'S CERTIFICATE OF COMPLIANCE |
| MATERIAL VERIFICATION OF WELD FILLER METALS | 1705.2.1.1 TABLE 1705.2-5 | AISC 360 A3.5 AISC 360 N3.2 APPLICABLE AWS A5 DOCUMENTS | | X | MANUFACTURER'S CERTIFICATE OF COMPLIANCE IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS |
| STRUCTURAL STEEL WELDING | | | | | |
| VERIFYING USE OF PROPER WPS'S | 1705.2.1 AWS D1.1 | AISC 360 N3.2 | | | RETAIN A RECORD OF WELDING PROCEDURE SPECIFICATIONS |
| VERIFYING WELDER QUALIFICATIONS | | AWS D1.1 | | X | RETAIN A RECORD OF QUALIFICATION CARDS |
| COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS | TABLE 1705.2-6 | AWS D1.1 CLAUSE 8 | X | | ALL WELDS VISUALLY INSPECTED PER AWS D1.1 6.10.1 |
| MULTIPASS FILLET WELDS | | | X | | |
| SINGLE PASS FILLET WELDS GREATER THAN 5/16" | | | X | | |
| SINGLE PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16" | | | | X | |
| VERIFICATION OF JOINT & APPLICATION OF CONNECTION DETAILS INCLUDING MEMBER AND COMPONENT LOCATIONS, BRACING, AND STIFFENERS | TABLE 1705.2-7 | AWS D1.1 | | X | |
| HIGH-STRENGTH BOLTING | | | | | |
| SNUG-TIGHT BOLT INSTALLATION | 1705.2.1 TABLE 1705.2-1 TABLE 1705.2-2 AISC 360 M2.5 AISC 360 N5.6 | RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS SECTION 9 AISC 360 SECTION M2.5 | | X | ALL CONNECTIONS VISUALLY INSPECTED AND VERIFIED SNUG |
| PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-THE-NUT METHOD WITH MATCHMARKING, DIRECT TENSION INDICATOR METHOD, OR TWIST-OFF TYPE TENSION CONTROL BOLT METHOD | | | | X | ALL CONNECTIONS VISUALLY INSPECTED. CONNECTIONS USING DIRECT TENSION INDICATORS, ALL BOLTS SHALL BE INSPECTED AFTER SNUGGING AND AFTER PRETENSIONING |
| PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-THE-NUT METHOD WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHOD | | | X | | ALL CONNECTIONS VISUALLY INSPECTED |
| INSPECTION TASKS PRIOR TO BOLTING | | | | | |
| MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS | 1705.2.1.2 TABLE 1705.2 | AISC 360 TABLE N5.6-1 AISC 360 M2.5 | X | | |
| FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS | | | | X | |
| CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH. IF THREADS ARE TO BE EXCLUDED FROM THE SHEAR PLANE) | | | | X | |
| CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL | | | | X | |
| CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS | | | | X | |
| PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED | | | | X | |
| PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS | | | | X | |
| INSPECTION TASKS DURING BOLTING | | | | | |
| FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED | 1705.2.1.2 TABLE 1705.2-2 | AISC 360 TABLE N5.6-2 AISC M2.5 RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS SECTION 9 | | X | |
| JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION | | | | X | |
| FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING | | | | X | |
| FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES | | | | X | |
| INSPECTION TASKS AFTER BOLTING | | | | | |
| DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS | 1705.2.1.2 TABLE 1705.2 | AISC 360 TABLE N5.6-3 | X | | |


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REGISTERED PROFESSIONAL ENGINEER 41019PE OREGON MAR. 10, 2026 ANNE B. MONNIER

EXPIRES 12/31/2026

# N Medford High School Auditorium Truss Retrofit

1900 N Keene Way Dr, Medford, OR 97504
Medford School District

Revisions:

| Rev. | Description | Date |
|---|---|---|

SPECIAL INSPECTIONS

| | |
|---|---|
| Drawn By: | KK |
| Designed By: | SL |
| Project No: | 10022500802 |
| Date: | 08/19/2026 |
| Scale: | 12" = 1'-0" |

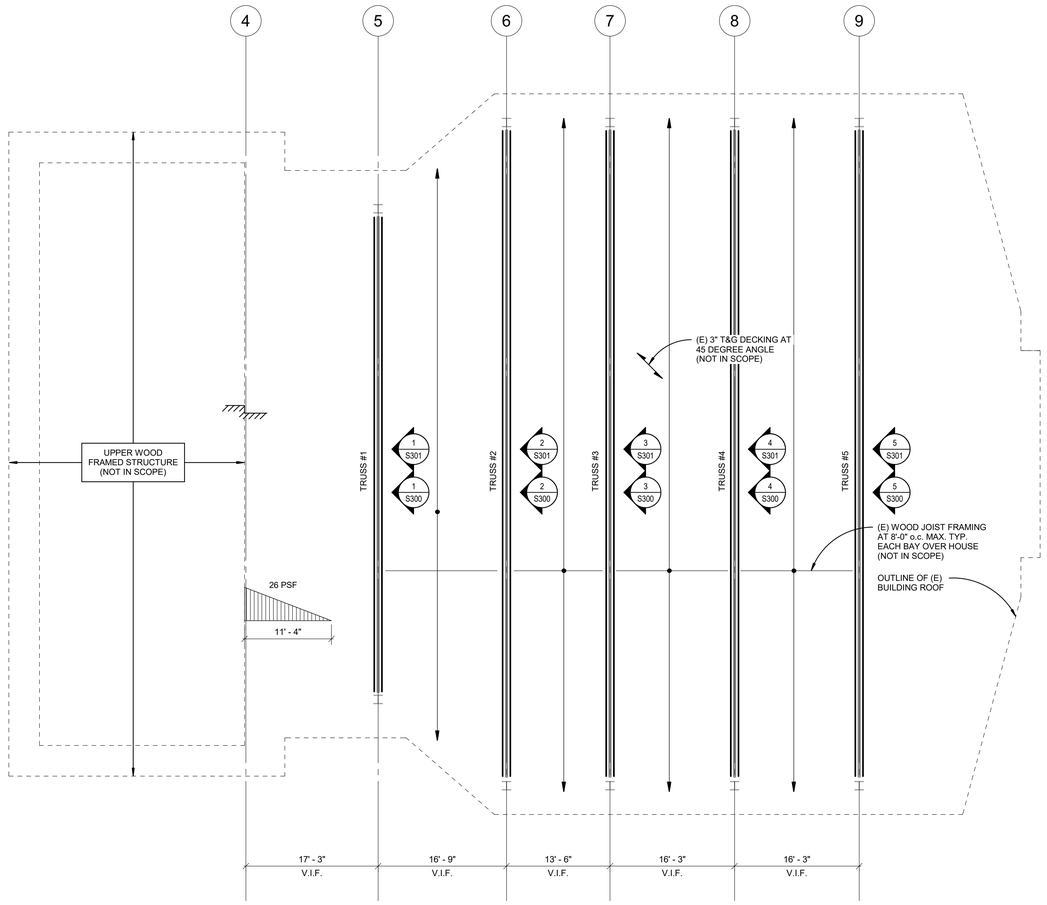
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ACCDOCS/MEM

PLAN NOTES:

1. (E) — INDICATES EXISTING STRUCTURE. FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION AND ERECTION. NOTIFY THE SEOR OF ANY SIGNIFICANT DISCREPANCIES FROM THE INFORMATION SHOWN ON THE DRAWINGS.
2. CONTRACTOR TO SHORE ALL EXISTING FRAMING AS REQUIRED FOR DEMOLITION AND RE-FRAMING WORK.
3. INDICATES NEW STRUCTURE.
4. INDICATES EXISTING STEEL WIDE FLANGE COLUMN.
5. ALL EXPOSED EXISTING FRAMING (LUMBER AND STEEL) SHALL BE INSPECTED FOR CRACKS AND DAMAGE BY THE CONTRACTOR WITH FINDINGS REPORTED TO THE SEOR.
6. XX PSF / X' - X" — INDICATES ADDITIONAL LOAD DUE TO SNOW DRIFT ON 24 PSF FLAT SNOW LOAD.




1 ROOF FRAMING PLAN
1/8" = 1'-0"


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REGISTERED PROFESSIONAL ENGINEER — STRUCTURAL — 14019PE — OREGON — MAR. 10, 2006 — ANNE B. MCMANUS
EXPIRES 12/31/2026

# N Medford High School Auditorium Truss Retrofit

1900 N Keene Way Dr, Medford, OR 97504
Medford School District

Revisions:

| Rev. | Description | Date |
|---|---|---|

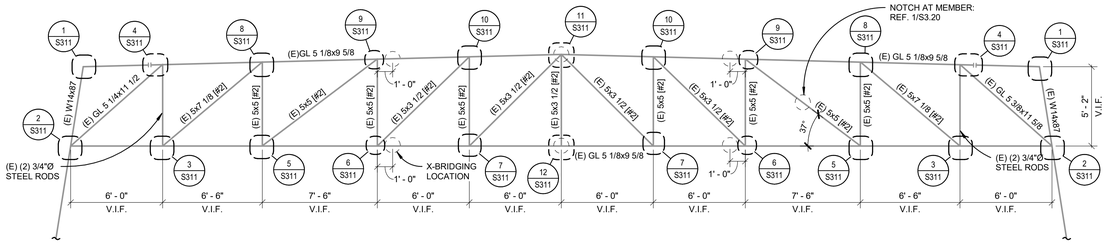
ROOF FRAMING PLAN

| | |
|---|---|
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| Designed By: | SL |
| Project No: | 10022500802 |
| Date: | 08/19/2026 |
| Scale: | As indicated |

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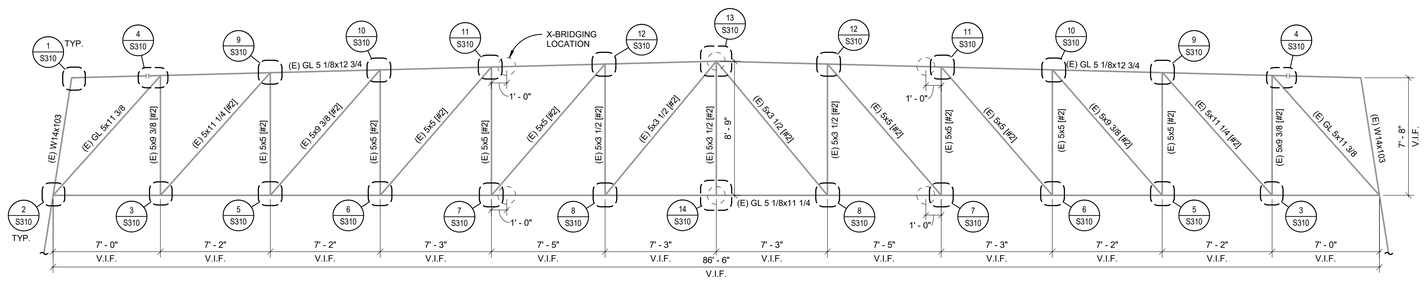
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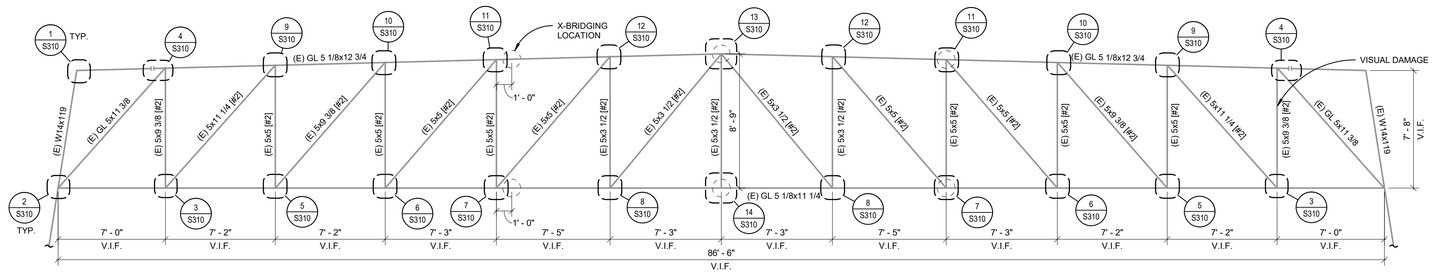

## 1 TRUSS #1 - GRID 5

1/4" = 1'-0"



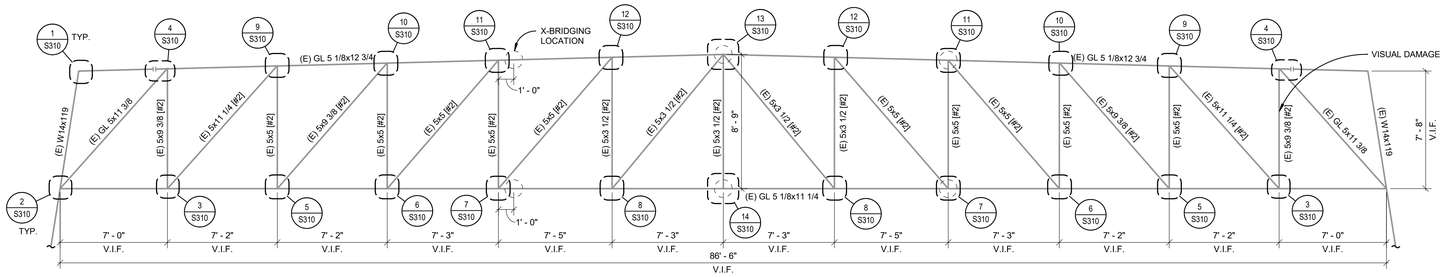

## 2 TRUSS #2 - GRID 6

1/4" = 1'-0"



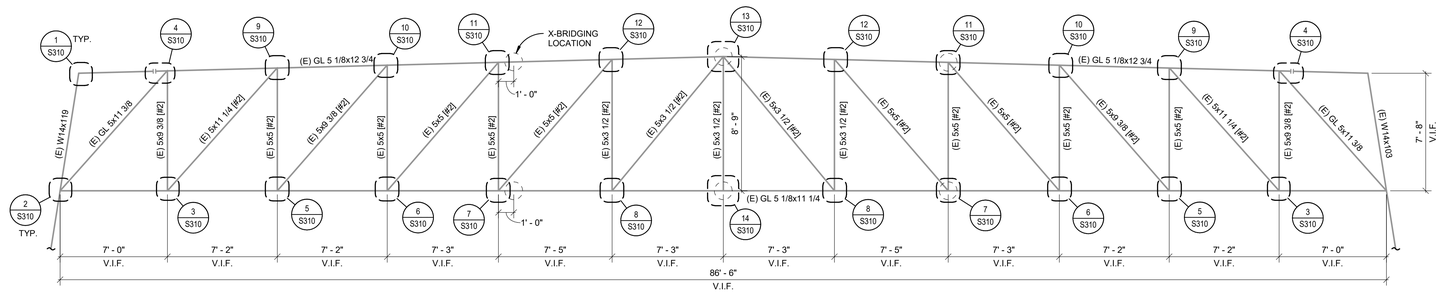

## 3 TRUSS #3 - GRID 7

1/4" = 1'-0"




## 4 TRUSS #4 - GRID 8

1/4" = 1'-0"




## 5 TRUSS #5 - GRID 9

1/4" = 1'-0"

NOTES:

1. ALL TRUSS MEMBERS ARE DOUGLAS FIR-LARCH.
2. [#X] INDICATES VISUAL GRADE OF SOLID SAWN LUMBER.
3. ALL DIMENSIONS ARE WITHIN +/- 1" OF MEMBER CENTERLINE.
4. ⊣⊢ INDICATES EXISTING SPLICE LOCATION.
5. (E) INDICATES EXISTING STRUCTURE. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION AND ERECTION OF TRUSS REINFORCEMENT. NOTIFY THE SEOR OF ANY SIGNIFICANT DISCREPANCIES FROM THE INFORMATION SHOWN ON THE DRAWINGS.
6. CONTRACTOR TO CONTINUOUSLY MONITOR TIMBER AND STEEL MEMBERS FOR ADDITIONAL CHECKING OR CRACKING AND/OR VERTICAL DEFLECTION DURING CONSTRUCTION. NOTIFY THE SEOR OF ANY SIGNIFICANT DISCREPANCIES OR NEW DAMAGE FROM THE INFORMATION SHOWN ON THE DRAWINGS OR FROM THE "MEDFORD SCHOOL DISTRICT EXISTING BUILDING ASSESSMENT - LONG-SPAN TIMBER ROOFS" STRUCTURAL REPORT DATED MARCH 9, 2026.

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41019PE
OREGON
MAR. 10, 2026
ANNE B. MONNIER
EXPIRES 12/31/2026

# N Medford High School Auditorium Truss Retrofit

1900 N Keene Way Dr, Medford, OR 97504
Medford School District

Revisions:

| Rev. | Description | Date |
|---|---|---|

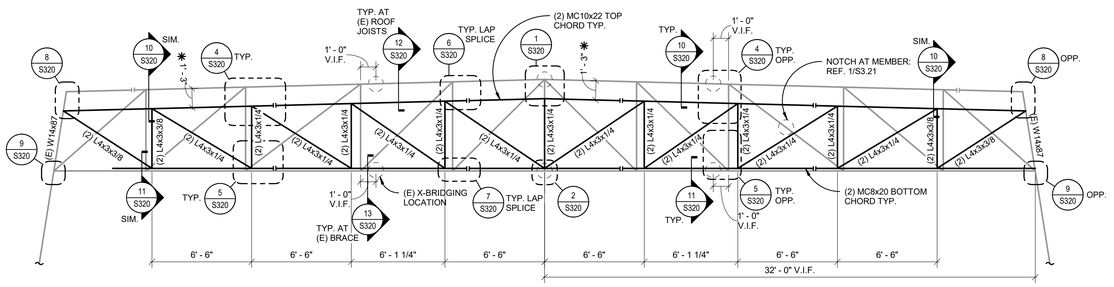
EXISTING TRUSS ELEVATIONS

| | |
|---|---|
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| Designed By: | SL |
| Project No: | 10022500802 |
| Date: | 08/19/2026 |
| Scale: | As indicated |

Drawing No:

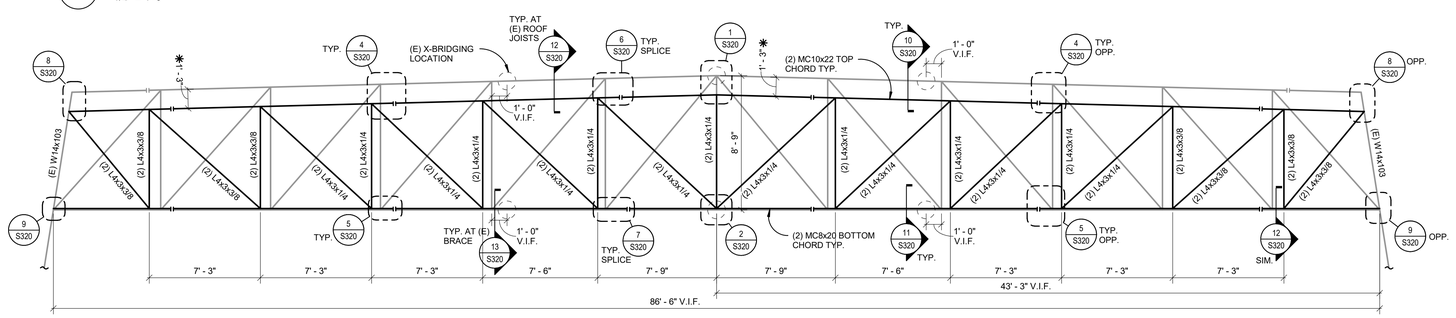
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AUDITORIUM




## 1 RETROFIT TRUSS #1 - GRID 5

1/4" = 1'-0"

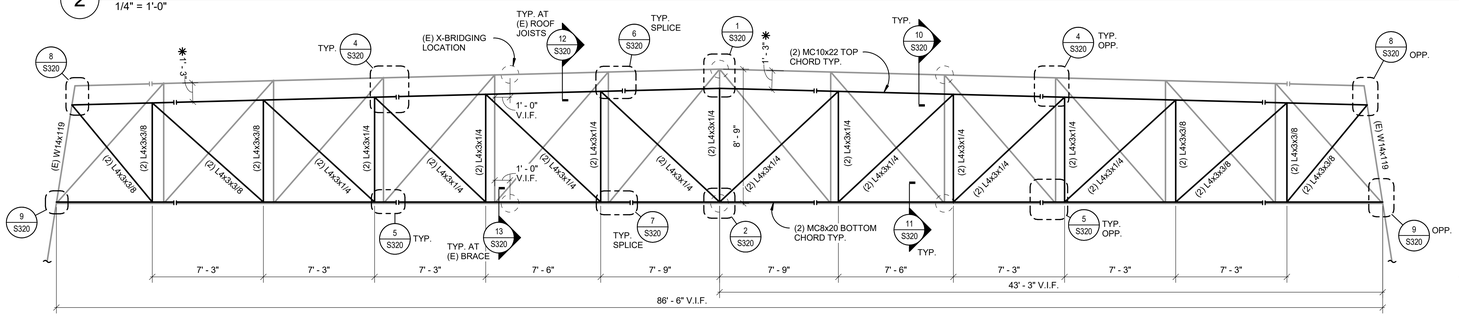



NOTES:

1. REF. 3/S320 FOR ALL TRUSS MEMBER INTERNAL THRU BOLT INFO.
2. ✳ INDICATED TOP CHORD OFFSET DIMENSION TO BE FIELD VERIFIED. REF. 12/S320.

## 2 RETROFIT TRUSS #2 - GRID 6

1/4" = 1'-0"

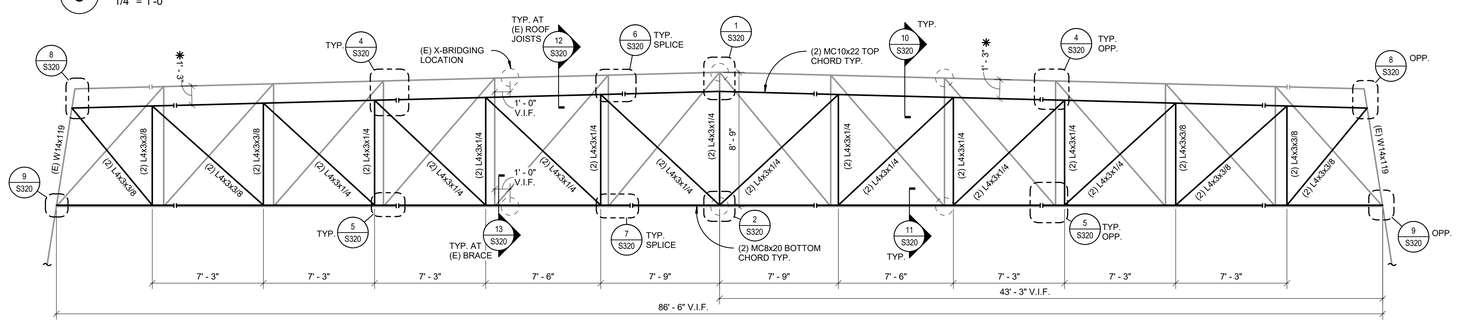



NOTES:

1. REF. 3/S320 FOR ALL TRUSS MEMBER INTERNAL THRU BOLT INFO.
2. ✳ INDICATED TOP CHORD OFFSET DIMENSION TO BE FIELD VERIFIED. REF. 12/S320.

## 3 RETROFIT TRUSS #3 - GRID 7

1/4" = 1'-0"

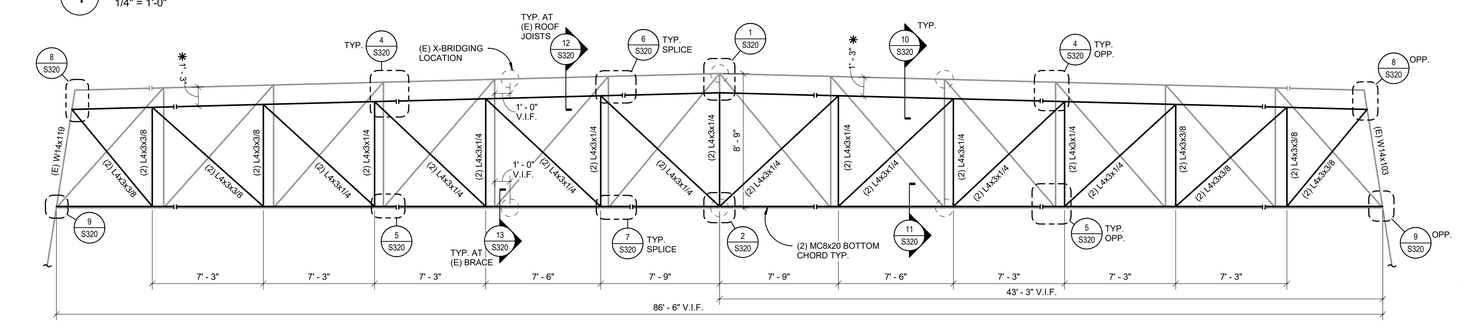



NOTES:

1. REF. 3/S320 FOR ALL TRUSS MEMBER INTERNAL THRU BOLT INFO.
2. ✳ INDICATED TOP CHORD OFFSET DIMENSION TO BE FIELD VERIFIED. REF. 12/S320.

## 4 RETROFIT TRUSS #4 - GRID 8

1/4" = 1'-0"




NOTES:

1. REF. 3/S320 FOR ALL TRUSS MEMBER INTERNAL THRU BOLT INFO.
2. ✳ INDICATED TOP CHORD OFFSET DIMENSION TO BE FIELD VERIFIED. REF. 12/S320.

## 5 RETROFIT TRUSS #5 - GRID 9

1/4" = 1'-0"

NOTES:

1. ALL TRUSS MEMBERS ARE DOUGLAS FIR-LARCH.
2. [#X] INDICATES VISUAL GRADE OF SOLID SAWN LUMBER.
3. ALL DIMENSIONS ARE WITHIN +/- 1" OF MEMBER CENTERLINE.
4. INDICATES EXISTING SPLICE LOCATION.
5. (E) INDICATES EXISTING STRUCTURE. REF. S300 FOR EXISTING TRUSS MEMBER SIZES. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION AND ERECTION OF TRUSS REINFORCEMENT. NOTIFY THE SEOR OF ANY SIGNIFICANT DISCREPANCIES FROM THE INFORMATION SHOWN ON THE DRAWINGS.
6. CONTRACTOR TO CONTINUOUSLY MONITOR TIMBER AND STEEL MEMBERS FOR ADDITIONAL CHECKING OR CRACKING AND/OR VERTICAL DEFLECTION DURING CONSTRUCTION. NOTIFY THE SEOR OF ANY SIGNIFICANT DISCREPANCIES OR NEW DAMAGE FROM THE INFORMATION SHOWN ON THE DRAWINGS OR FROM THE "MEDFORD SCHOOL DISTRICT EXISTING BUILDING ASSESSMENT - LONG-SPAN TIMBER ROOFS" STRUCTURAL REPORT DATED MARCH 9, 2026.
7. INDICATES NEW STRUCTURE.
8. CONTRACTOR TO SHORE ALL EXISTING FRAMING AS REQUIRED FOR DEMOLITION AND RE-FRAMING WORK.

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MAR. 10, 1989
ANNE B. MONNIER
EXPIRES 12/31/2026

# N Medford High School Auditorium Truss Retrofit

1900 N Keene Way Dr, Medford, OR 97504
Medford School District

Revisions:

| Rev. | Description | Date |
|---|---|---|

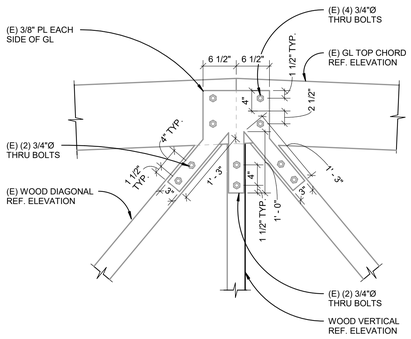
RETROFIT TRUSS ELEVATIONS

| | |
|---|---|
| Drawn By: | KK |
| Designed By: | SL |
| Project No: | 10022500802 |
| Date: | 08/19/2026 |
| Scale: | As indicated |

Drawing No:

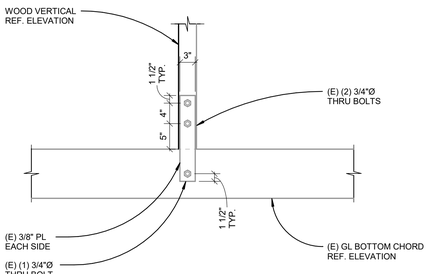
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AUDITORIUM



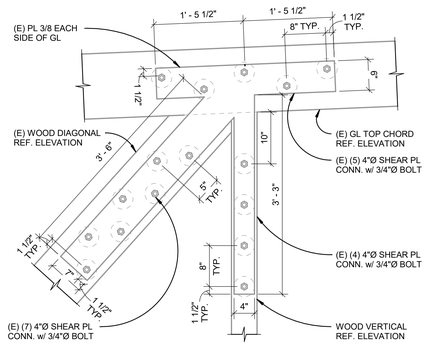

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 13 TYP. TOP CHORD TRUSS JOINT
1" = 1'-0"



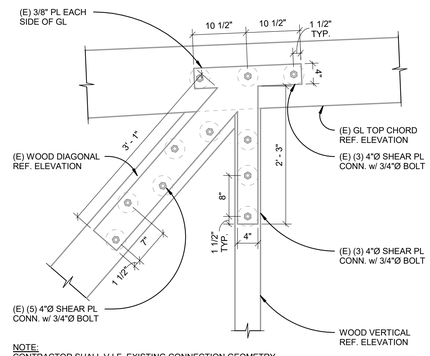

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 14 TYP. BOTTOM CHORD TRUSS JOINT
1" = 1'-0"



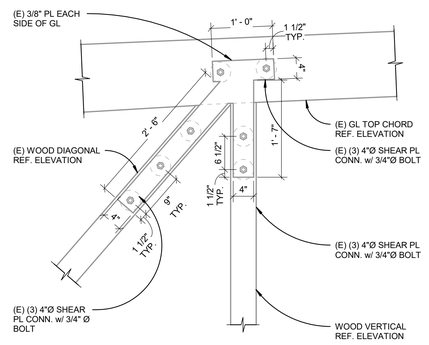

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 9 TYP. TOP CHORD TRUSS JOINT
1" = 1'-0"



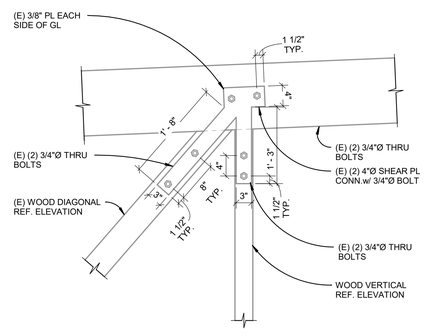

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 10 TYP. TOP CHORD TRUSS JOINT
1" = 1'-0"



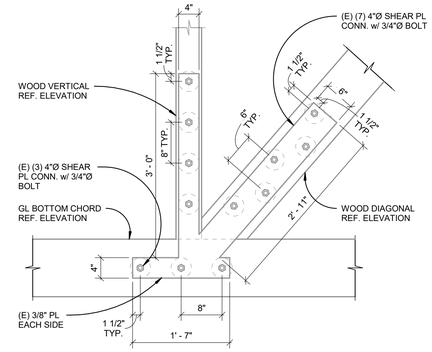

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 11 TYP. TOP CHORD TRUSS JOINT
1" = 1'-0"



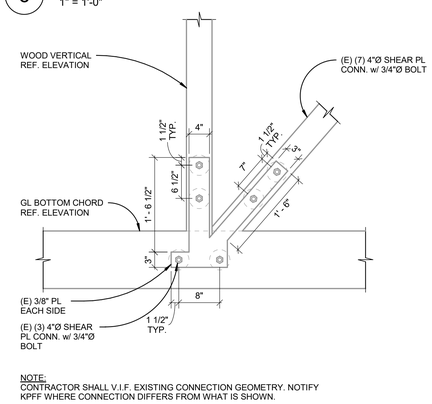

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 12 TYP. TOP CHORD TRUSS JOINT
1" = 1'-0"



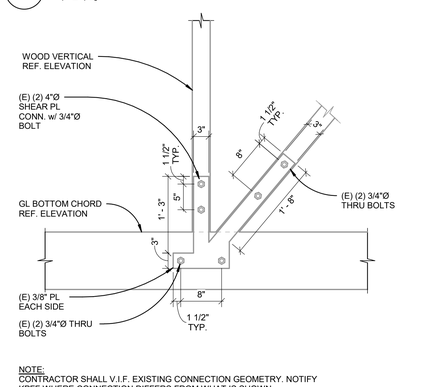

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY. NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 5 TYP. BOTTOM CHORD TRUSS JOINT
1" = 1'-0"




NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY. NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 6 TYP. BOTTOM CHORD TRUSS JOINT
1" = 1'-0"



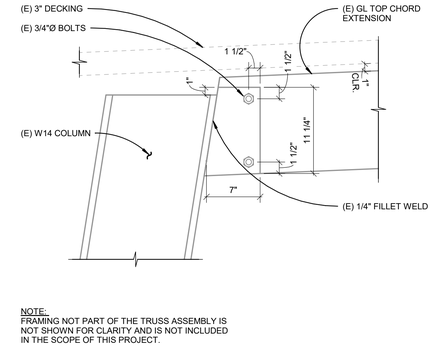

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 7 TYP. BOTTOM CHORD TRUSS JOINT
1" = 1'-0"



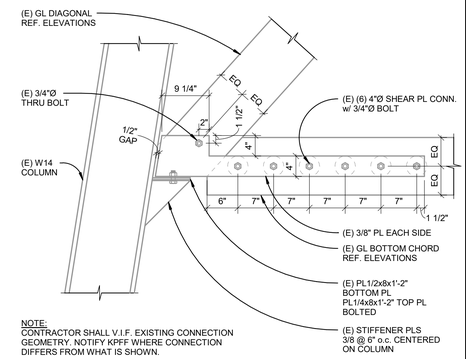

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY. NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 8 TYP. BOTTOM CHORD TRUSS JOINT
1" = 1'-0"



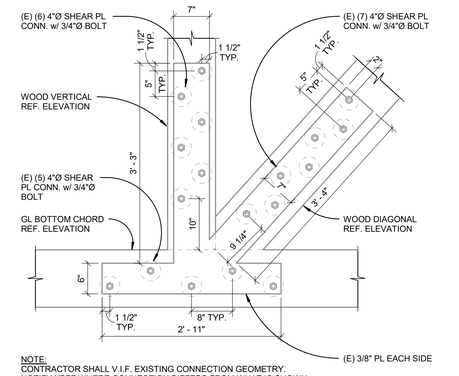

NOTE:
FRAMING NOT PART OF THE TRUSS ASSEMBLY IS NOT SHOWN FOR CLARITY AND IS NOT INCLUDED IN THE SCOPE OF THIS PROJECT.

## 1 TYP. TOP CHORD TO WF COLUMN
1 1/2" = 1'-0"



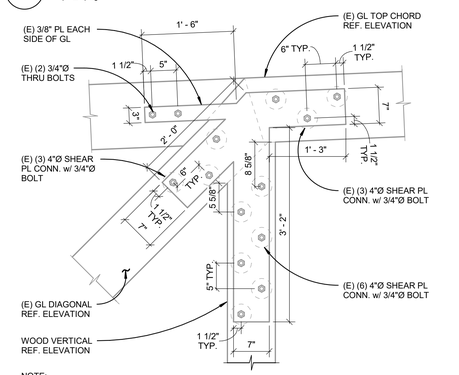

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY. NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 2 TYP. BOTTOM CHORD TO WF COL.
1" = 1'-0"




NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 3 TYP. BOTTOM CHORD TRUSS JOINT
1" = 1'-0"




NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY. NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 4 TYP. TOP CHORD TRUSS JOINT
1" = 1'-0"

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21019PE
OREGON
MAR. 10, 2005
ANNE B. MONNIER
EXPIRES 12/31/2026

# N Medford High School Auditorium Truss Retrofit

1900 N Keene Way Dr, Medford, OR 97504
Medford School District

Revisions:

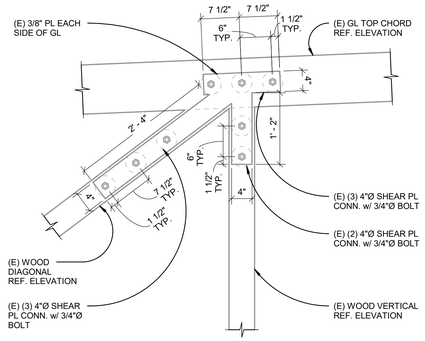
| Rev. | Description | Date |
|---|---|---|

TYPICAL EXISTING DETAILS

| | |
|---|---|
| Drawn By: | KK |
| Designed By: | SL |
| Project No: | 10022500802 |
| Date: | 08/19/2026 |
| Scale: | As indicated |

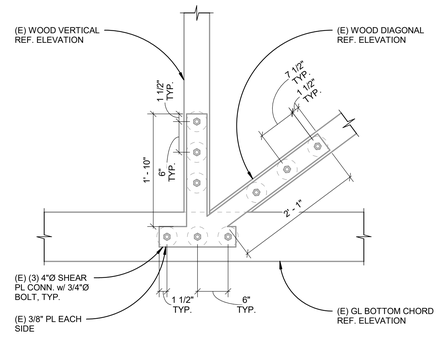
Drawing No:
S310

8/19/2026 1:37:17 PM
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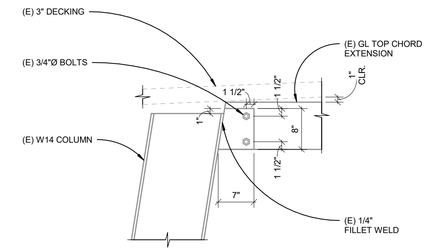

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 9 TRUSS #1 TOP TRUSS JOINT
1" = 1'-0"



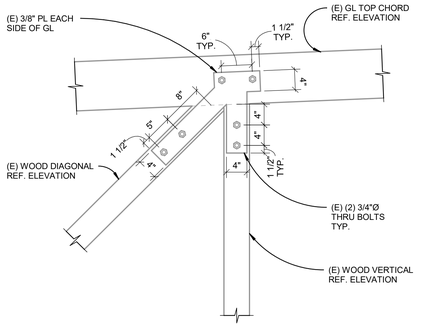

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 5 TRUSS #1 BOTTOM TRUSS JOINT
1" = 1'-0"



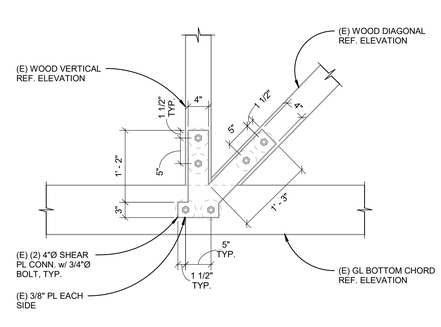

NOTE:
FRAMING NOT PART OF THE TRUSS ASSEMBLY IS NOT SHOWN FOR CLARITY AND IS NOT INCLUDED IN THE SCOPE OF THIS PROJECT.

## 1 TYP. TOP CHORD TO WF COLUMN
1" = 1'-0"



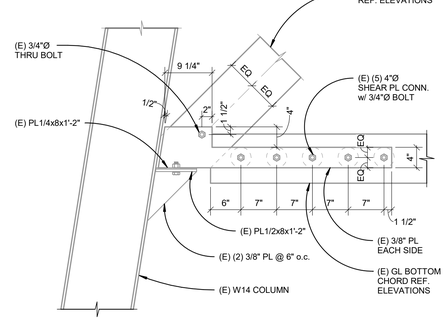

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 10 TRUSS #1 TOP TRUSS JOINT
1" = 1'-0"



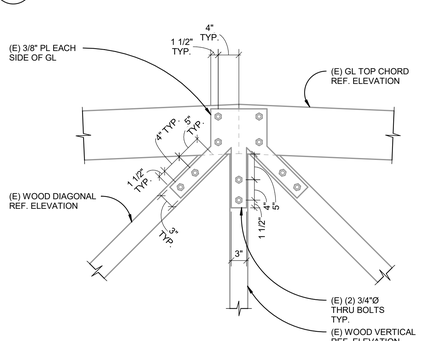

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 6 TRUSS #1 BOTTOM TRUSS JOINT
1" = 1'-0"



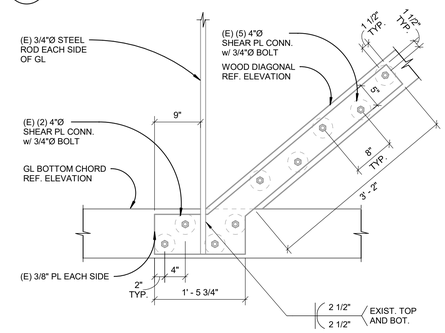

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 2 TYP. BOTTOM CHORD TO WF COLUMN
1" = 1'-0"



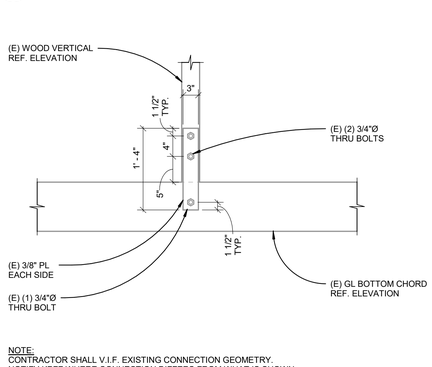

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 7 TRUSS #1 BOTTOM TRUSS JOINT
1" = 1'-0"



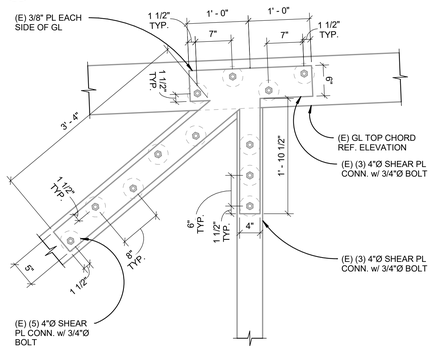

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 3 TRUSS #1 STEEL ROD VERTICAL BOTTOM CONNECTION
1" = 1'-0"



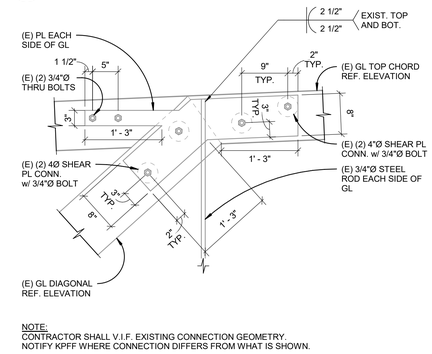

NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 11 TRUSS #1 TOP CENTER JOINT
1" = 1'-0"




NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 8 TRUSS #1 TOP TRUSS JOINT
1" = 1'-0"




NOTE:
CONTRACTOR SHALL V.I.F. EXISTING CONNECTION GEOMETRY.
NOTIFY KPFF WHERE CONNECTION DIFFERS FROM WHAT IS SHOWN.

## 4 TRUSS #1 STEEL ROD VERTICAL TOP CONNECTION
1" = 1'-0"

## 12 TRUSS #1 BOTTOM CENTER JOINT
1" = 1'-0"

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MAR. 10, 2005
ANNE B. MONNIER
EXPIRES 12/31/2026

# N Medford High School Auditorium Truss Retrofit

1900 N Keene Way Dr, Medford, OR 97504
Medford School District

Revisions:

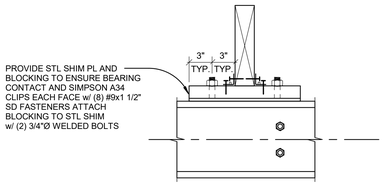
| Rev. | Description | Date |
|---|---|---|

TRUSS #1 EXISTING DETAILS

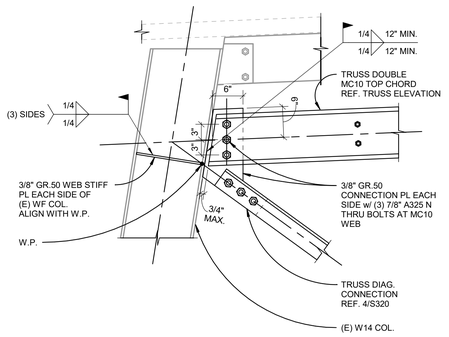
| | |
|---|---|
| Drawn By: | KK |
| Designed By: | SL |
| Project No: | 10022500802 |
| Date: | 08/19/2026 |
| Scale: | 1" = 1'-0" |

Drawing No:
S311

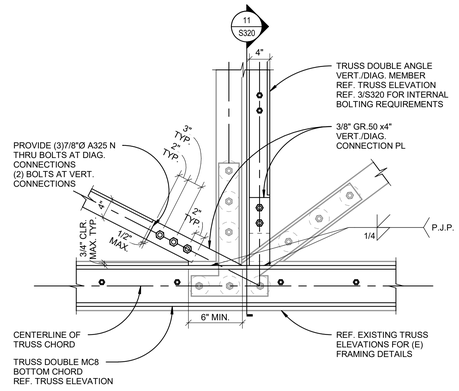
8/4/2026 1:37:17 PM
Author: Anne.Monnier@kpff.com; Mueller, Holly
Autodesk Docs://10022500802 MEDF DRG.rvt
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AUDITORIUM



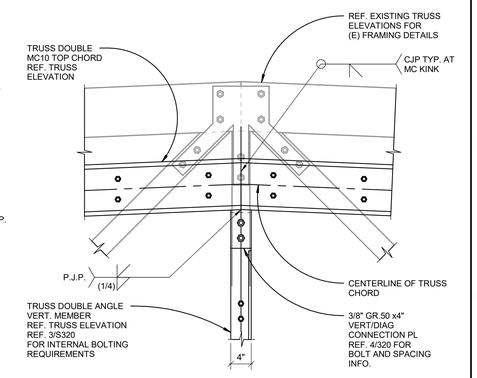

**SECTION A-A**



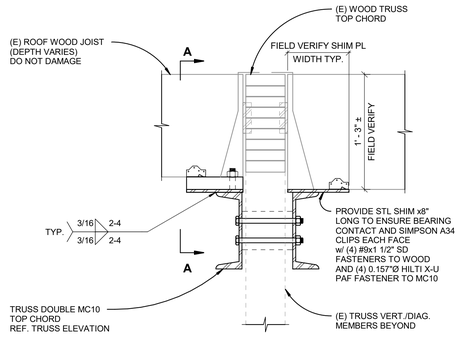

## 8 TYP. TRUSS TOP END JOINT
1" = 1'-0"



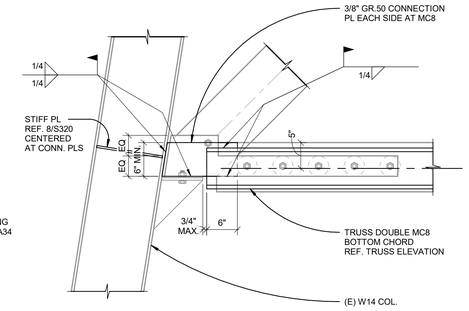

## 5 TYP. TRUSS BOTTOM TRUSS JOINT
1" = 1'-0"




## 1 TYP. TRUSS TOP CENTER JOINT
1" = 1'-0"

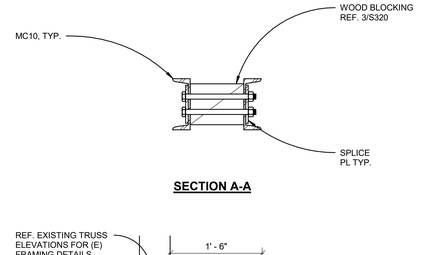



## 12 EXISTING ROOF JOIST CONNECTION
1 1/2" = 1'-0"

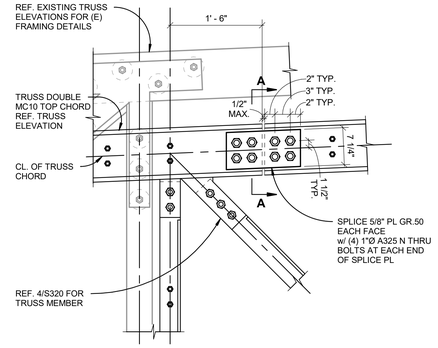



NOTE:
REF. 2/S310 FOR EXISTING CONNECTION GEOMETRY.

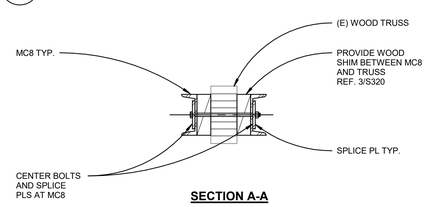
## 9 TYP. TRUSS BOTTOM END JOINT
1" = 1'-0"



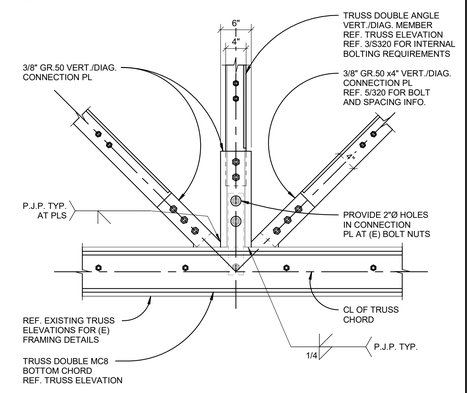

**SECTION A-A**



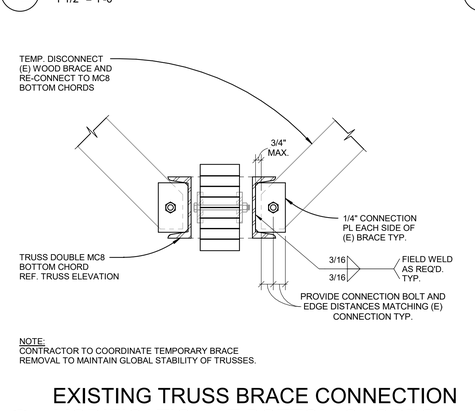

## 6 TYP. TRUSS TOP CHORD SPLICE
1" = 1'-0"




**SECTION A-A**

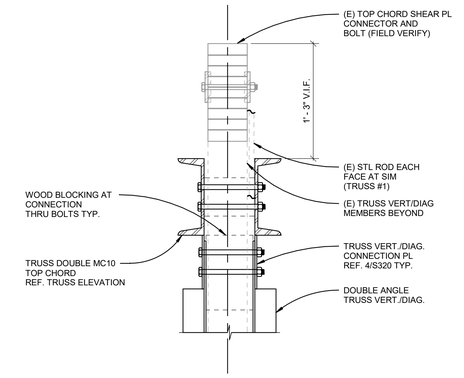



## 2 TYP. TRUSS BOTTOM CENTER JOINT
1" = 1'-0"

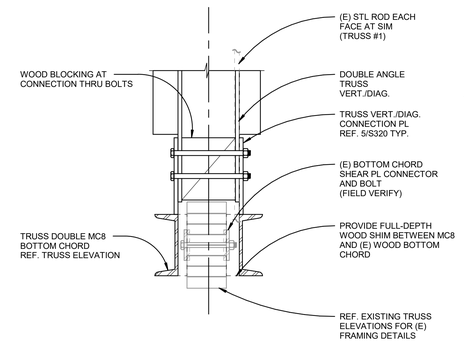



NOTE:
CONTRACTOR TO COORDINATE TEMPORARY BRACE REMOVAL TO MAINTAIN GLOBAL STABILITY OF TRUSSES.

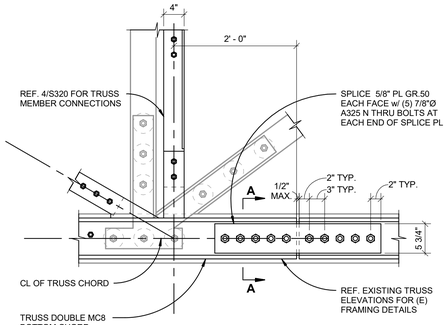
## 13 EXISTING TRUSS BRACE CONNECTION MODIFICATION AT BOTTOM CHORDS
1 1/2" = 1'-0"



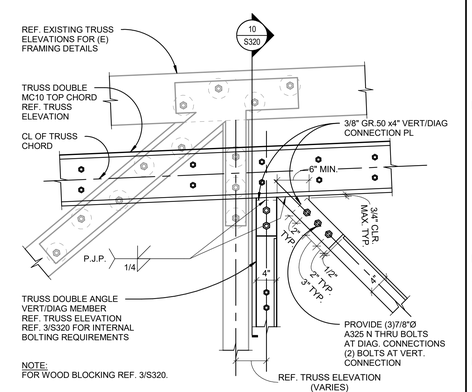

## 10 TYP. TRUSS TOP SECTION
1 1/2" = 1'-0"




## 11 TYP. TRUSS BOTTOM SECTION
1 1/2" = 1'-0"




## 7 TYP. TRUSS BOTTOM CHORD SPLICE
1" = 1'-0"




## 4 TYP. TRUSS TOP TRUSS JOINT
1" = 1'-0"




## 3 TYP. TRUSS MEMBER INTERNAL THRU BOLTS
1 1/2" = 1'-0"

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MAR. 10, 2006
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EXPIRES 12/31/2026

# N Medford High School Auditorium Truss Retrofit

1900 N Keene Way Dr, Medford, OR 97504
Medford School District

Revisions:

| Rev. | Description | Date |
|---|---|---|

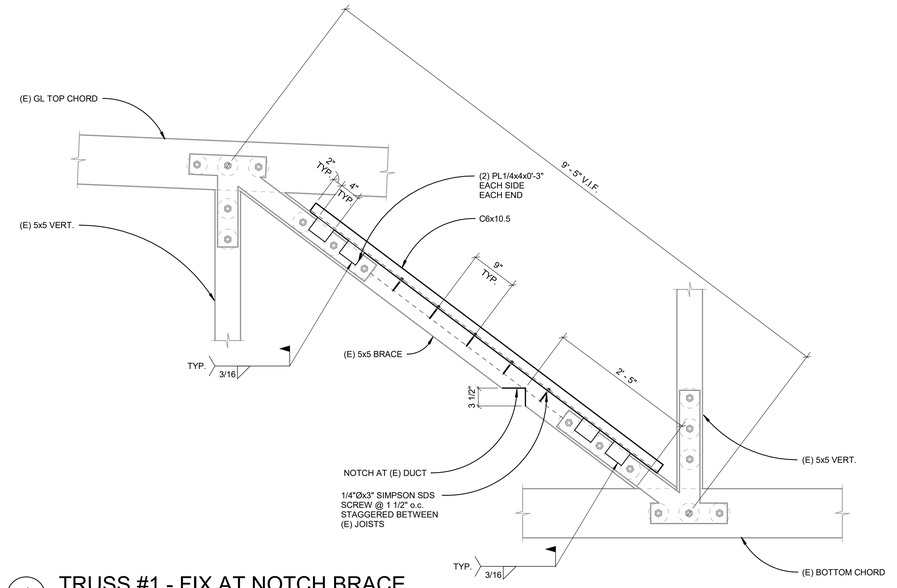
TRUSS RETROFIT DETAILS

| | |
|---|---|
| Drawn By: | KK |
| Designed By: | SL |
| Project No: | 10022500802 |
| Date: | 08/19/2026 |
| Scale: | As indicated |

Drawing No:

S320

8/26/2026 1:37:18 PM
Autodesk Docs://10022500802 - Medford HS Auditorium 10022500802 MEDFORD HS AUDITORIUM.rvt




1 TRUSS #1 - FIX AT NOTCH BRACE
1" = 1'-0"

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|---|---|---|

TRUSS RETROFIT DETAILS

| | |
|---|---|
| Drawn By: | KK |
| Designed By: | SL |
| Project No: | 10022500802 |
| Date: | 08/19/2026 |
| Scale: | 1" = 1'-0" |

Drawing No:

S321

8/4/2026 1:37:18 PM
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