STRUCTURAL REPAIRS DRAWINGS FOR GONDOLA SQUARE CONDO BRIDGE

2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487

DRAWING LIST REVISION G000 DRAWING LIST, PROJECT SCOPE, DESIGN CRITERIA S001 STRUCTURAL NOTES S101 SUNROOM ROOF FRAMING PLAN

BUILDING DATA

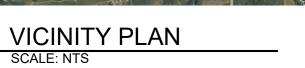
S301 DETAILS

ADDRESS: 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487

PARCEL: P0252796

RISK CATEGORY:

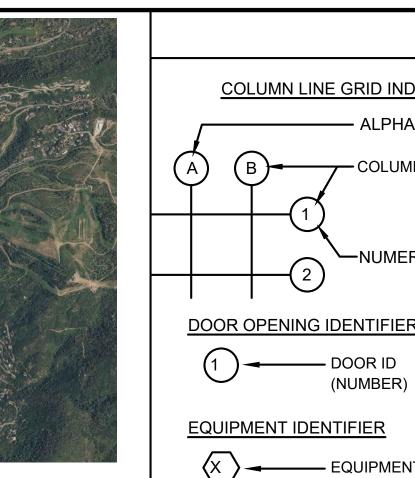




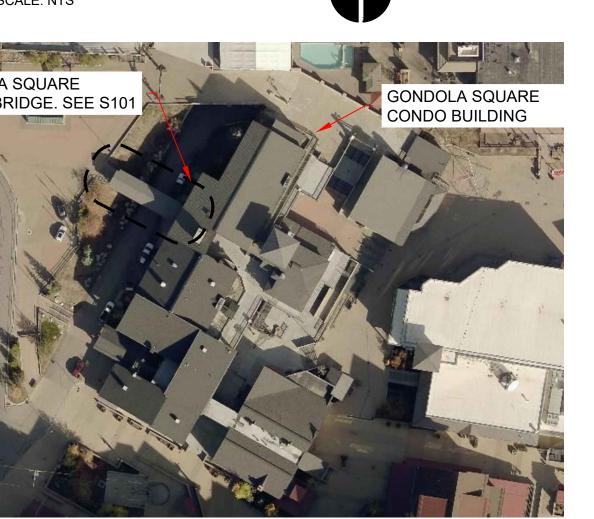


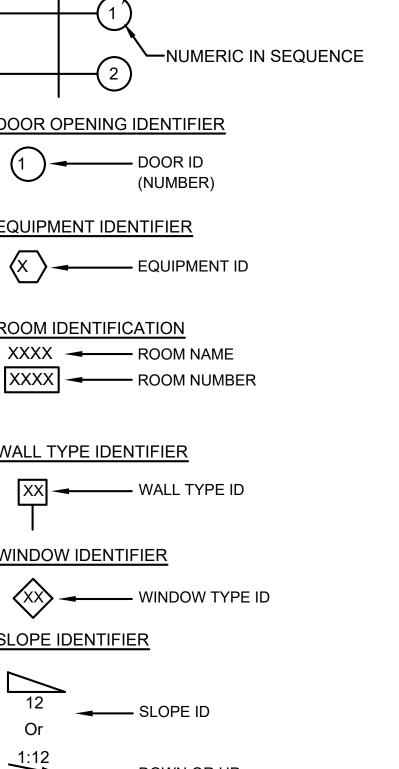


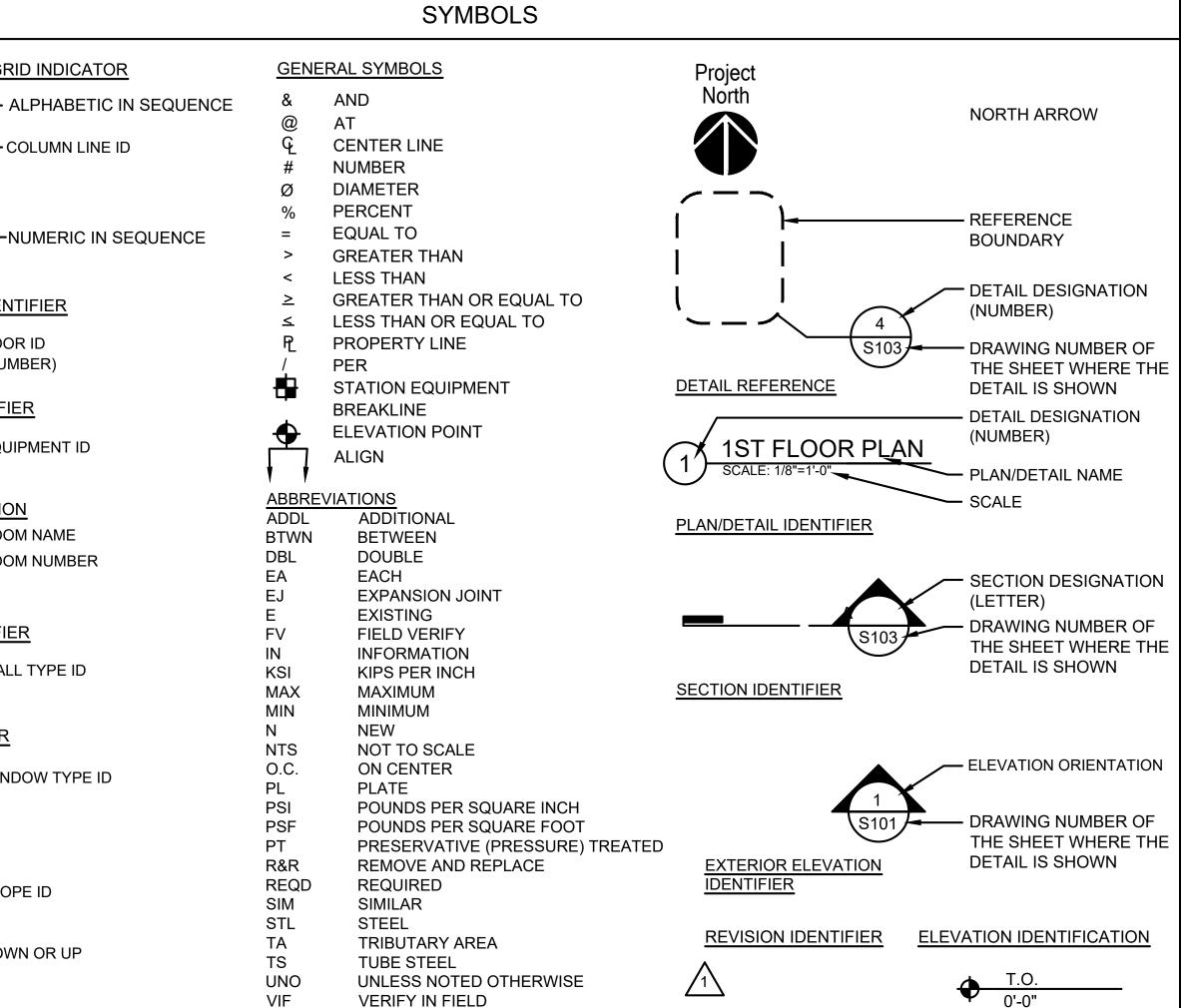












Reviewed for Code Compliance

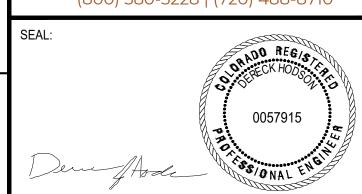
NOTES:

10/14/2024

NO. REVISED FOR: DATE (Y-M-D)



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STRUCTURAL REPAIR DRAWINGS GONDOLA SQUARE CONDO BRIDGE 2305 MOUNT WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487

BERKLEY ENVIRONMENTAL INSURANCE 101 HUDSON ST SUITE 2550 JERSEY CITY, NJ 07302

SHEET TITLE:

SHEET NO:

DRAWING LIST, PROJECT SCOPE, **DESIGN CRITERIA**

FOR CLIENT'S SOLE USE PER GOVERNING CONTRACT AND LIMITED TO APPLICABLE PROJECT. NO MODIFICATIONS OR REPRODUCTIONS WITHOUT VRITTEN APPROVAL OF RIMKUS. CONTRACTOR SOLELY RESPONSIBLE FOR VERIFYING ALL DIMENSIONS.

DRAWING NO:	G000	
CHECKED BY:	RJD	
DRAWN BY:	DJH	
DESIGNED BY:	RIMKUS	
SCALE:	AS NOTED	
DATE (Y-M-D):	2024-08-13	
PROJECT NO:	100267813	

OF

DESIGN CODE CRITERIA

- 1. CONSTRUCTION SHALL FOLLOW THE REQUIREMENTS OF THE FOLLOWING CODES AND AMENDMENTS AS ADOPTED BY THE STATE OF COLORADO AND ARVADA CITY: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
- 2. DESIGN LOAD CRITERIA:

DEAD LOAD	15 PS
LIVE LOAD	90 PS
SNOW LOAD	100 PS

BASIC WIND SPEED - 3 SEC GUST (ULT) 115 MPH BASIC WIND SPEED - 3 SEC GUST (ASD) 90 MPH TOPOGRAPHIC FACTOR (Kzt) **EXPOSURE CATEGORY ENCLOSURE CLASSIFICATION** 0.00 SEISMIC:

SEISMIC OCCUPANCY CATEGORY SEISMIC IMPORTANCE FACTOR (Ie) REDUNDANCY FACTOR, RHO (N-S) 1.0 REDUNDANCY FACTOR, RHO (E-W) MAPPED SPECTRAL RESPONSE ACCELERATIONS:

Ss = 0.270gS1 = 0.074g

SITE CLASS

SPECTRAL RESPONSE COEFFICIENTS:

Sds = 0.180gSd1 = 0.049g

RESPONSE MODIFICATION FACTOR, R

SUBSTRUCTURE: OTHER-WALL TYPE

ANALYSIS PROCEDURE:

SEISMIC DESIGN CATEGORY

EQUIVALENT LATERAL FORCE

SEISMIC RESPONSE COEFFICIENT (Cs)

PROJECT SCOPE

- 1. THE INTENT OF THESE DRAWINGS IS TO REPAIR THE BOTTOM CHORD OF THE BRIDGE TRUSS DUE TO A VEHICLE IMPACT.
- 2. THE DRAWINGS DETAIL THE SCOPE OF STRUCTURAL WORK.
- 3. THERE ARE NO ADDITIONS OR RECONFIGURATIONS OF THE FLOOR PLAN.
- 4. THE INTERIOR FLOOR, WALL AND CEILING FINISHES WILL BE DEMOLISHED AND REPLACED IN-KIND DUE TO FIRE AND WATER DAMAGE.
- 5. THE MECHANICAL, PLUMBING AND ELECTRICAL FIXTURES WILL BE REPLACED. THE DESIGN AND OR FIXTURE SELECTION IS BEING EXECUTED BY THE GENERAL CONTRACTOR OR SUBCONTRACTORS.
- 1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND
- 2. ALL DESIGN CHANGES SHALL BE SUBMITTED IN WRITING FOR REVIEW

WOOD SCREW

- 3. ALL WRITTEN DIMENSIONS PER PLAN TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS
- INVOLVED
- TYPICAL AND SHALL BE APPLIED GENERALLY THROUGHOUT THE **ENTIRE PROJECT AT SIMILAR CONDITIONS**
- 7. ALL MATERIALS SHOWN OR CALLED FOR ON THESE PLANS SHALL BE INSTALLED PER MANUFACTURERS WRITTEN/PRINTED
- 9. THE COORDINATION OF ALL REQUIRED BUILDING DEPARTMENT INSPECTION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL MAKE EVERY EFFORT THROUGH PROPER AND TIMELY NOTIFICATION TO ENSURE THE REPAIRS ARE COMPLETED WITH MINIMAL DELAY FOR INSPECTIONS
- BUILDING AUTHORITY, AT THE TIME THE BUILDING PERMIT IS OBTAINED, WHETHER LETTERS OF CONSTRUCTION COMPLIANCE WILL BE REQUESTED FROM THE ARCHITECT/STRUCTURAL ENGINEER. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/STRUCTURAL ENGINEER OF ALL SUCH REQUIREMENTS PRIOR TO THE START OF CONSTRUCTION. FOUR DAY ADVANCE NOTICE SHALL BE GIVEN WHEN REQUESTING SITE VISITS NECESSARY AS THE BASIS FOR THE COMPLIANCE LETTER. THE GENERAL CONTRACTOR SHALL PROVIDE COPIES OF ALL THIRD PARTY TESTING AND INSPECTION REPORTS TO THE ARCHITECT/STRUCTURAL ENGINEER A MINIMUM OF ONE WEEK PRIOR TO THE DATE THAT THE COMPLIANCE LETTERS ARE NEEDED
- CONTRACTOR TO FIELD VERIFY

GENERAL NOTES

COLUMN LINE GRID INDICATOR

ROOM IDENTIFICATION

WALL TYPE IDENTIFIER

WINDOW IDENTIFIER

SLOPE IDENTIFIER

- COLUMN LINE ID

- ACCESSIBILITY PRIOR TO BEGINNING WORK. ANY DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ARCHITECT/ENGINEER. ANY NECESSARY ADJUSTMENTS SHALL BE MADE PER PROJECT ARCHITECT/ENGINEER'S WRITTEN DIRECTION
- BY THE PROJECT ARCHITECT/ENGINEER
- 4. CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES
- 5. CONSTRUCTION DETAILS AND FEATURES SHOWN ON DRAWINGS ARE
- 6. NOTES AND DETAILS LABELED AS TYPICAL, IF INCLUDED, SHALL BE USED UNLESS SPECIFIC NOTES AND DETAILS ARE SHOWN ELSEWHERE WHERE THEY ARE TO BE APPLIED
- RECOMMENDATIONS AND SPECIFICATIONS
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR THE PROPOSED WORK
- 10. THE GENERAL CONTRACTOR SHALL DETERMINE FROM THE LOCAL
- 11. THE STRUCTURE HAS BEEN DESIGNED TO RESIST VERTICAL AND LATERAL FORCES AFTER THE CONSTRUCTION OF ALL STRUCTURAL ELEMENTS HAVE BEEN COMPLETED. STABILITY OF THE STRUCTURE PRIOR TO COMPLETION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO JOB SITE SAFETY ERECTION MEANS, METHODS AND SEQUENCES. TEMPORARY SHORING. FORMWORK AND BRACING AND USE OF EQUIPMENT AND CONSTRUCTION PROCEDURES
- 12. ALL DIMENSIONS INDICATED ON DRAWINGS ARE APPROXIMATE.

STRUCTURAL NOTES STRUCTURAL STEEL NOTES 1. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING: ANGLES: HSS: PLATE: BARS: ASTM A514 OR A852 FABRICATION AND ERECTION SHALL COMPLY WITH THE LATEST AISC ALLOWABLE STRESS DESIGN (ASD) OR LOAD RESISTANCE FACTOR (LRFD) SPECIFICATIONS. FABRICATOR SHALL CLEARLY IDENTIFY THE BASIS OF ANALYSIS IN ALL SUBMITTALS PROVIDED TO ENGINEER 4. ALL STRUCTURAL TUBING (HSS) SHALL BE SUBMERGED-ARC-WELDED (SAW) UNLESS NOTED OTHERWISE. IF ELECTRIC-RESISTANCE-WELDED (ERW) HSS MEMBERS ARE TO BE PROVIDED, THE WALL THICKNESS AS SPECIFIED WITHIN THE PROJECT DRAWINGS SHALL BE INCREASED BY A FACTOR OF 1.08. 5. WELDING SHALL BE BY THE ELECTRIC SHIELDED ARC PROCESS, PERFORMED BY AN AWS CERTIFIED WELDER. ALL ELECTRODES SHALL BE E70XX, UNLESS NOTED OTHERWISE. MINIMUM PLATE MATERIAL SHALL BE 1/4" THICKNESS, UNLESS NOTED OTHERWISE. 7. MINIMUM WELDS SHALL BE IN ACCORDANCE WITH AISC TABLE J2.4, UNLESS NOTED OTHERWISE. THICKNESS OF THINNER MINIMUM SIZE OF FILLET MATERIAL TO 1/4" INCLUSIVE OVER 1/4" TO 1/2" OVER ½" TO ¾" OVER 3/4" 8. CONNECTION BOLTS SHALL BE A325 UNLESS NOTED OTHERWISE. 9. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL CONNECTION BOLTS AND WASHERS FOR THE CONNECTING OF ALL STRUCTURAL STEEL. 10. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ADEQUATE BRACING, SHORING, ETC. TO ENSURE THE STRUCTURE IS STABLE DURING CONTRACTOR'S METHOD OF ERECTION. 11. ALL REQ'D SHORING AND/OR BRACING SHALL REMAIN IN PLACE UNTIL FINAL CONNECTIONS ARE COMPLETED BY CONTRACTOR. PAINTING NOTES EXTERIOR SURFACES OF ALL MODIFIED AND/OR NEW STRUCTURAL STEEL AND/OR STEEL PIPING AND/OR STEEL TANKS SHALL BE BLAST CLEANED IN ACCORDANCE WITH SSPC-SP6, COMMERCIAL BLAST CLEANING PRIOR TO BLASTING ALL OIL, GREASE, OR ANY OTHER CONTAMINANT SHALL BE REMOVED BY SOLVENT **CLEANING PER SSPC-SP1** . ONLY CLEAN AND NEW ABRASIVE SHALL BE USED FOR BLASTING. ABRASIVE SELECTED SHALL PRODUCE A SHARP PROFILE OF 1.5 TO 2.5 MILS. UNLESS NOTED OTHERWISE COATINGS FOR STRUCTURAL STEEL AND/OR PIPING SHALL BE APPLIED IN ACCORDANCE WITH SSPC-PA AND WITHIN THE TEMPERATURE AND/OR HUMIDITY LIMITATION AND IN ACCORDANCE WITH THE INSTRUCTIONS STATED ON THE MANUFACTURER'S PRINTED PRODUCT DATA SHEET . PRIMER COATINGS SHALL BE APPLIED TO ALL EXISTING AND/OR NEW STRUCTURAL STEEL E. TOP COATINGS SHALL BE APPLIED TO ALL NEW STRUCTURAL STEEL WHICH IS EXPOSED TO WEATHER AND IS NOT COVERED WITH FIREPROOFING CONCRETE PRIMER COATING SHALL BE ICI DEVOE COATINGS CATHA-COAT 302H REINFORCED INORGANIC ZINC, APPLIED TO A MINIMUM DRY FILM THICKNESS OF 3.0 TO 4.0 MILS. 8. TOP COAT SHALL BE ICI DEVOE COATINGS DEVRAN 224 HS POLYAMIDE EPOXY, APPLIED TO A MINIMUM OF 6.0 TO 8.0 MILS. TOP COAT COLOR SHALL BE AS DETERMINED BY OWNER . INDIVIDUAL DRY FILM THICKNESSES SHALL BE TAKEN BY A QUALIFIED INDIVIDUAL, USING CERTIFIED EQUIPMENT EMPLOYED BY OR ON THE BEHALF OF CONTRACTOR FOR ALL SHOP APPLIED COATINGS 10. UNDERGROUND STRUCTURAL STEEL AND/OR STEEL PIPING: A. CARBON STEEL PIPE AND/OR STRUCTURAL STEEL BELOW GRADE SHALL BE BLAST CLEANED IN ACCORDANCE WITH SSPC-SP10, NEAR-WHITE METAL BLAST CLEANING B. PRIOR TO BLASTING ALL OIL, GREASE OR ANY OTHER CONTAMINANT SHALL BE REMOVED BY SOLVENT CLEANING PER SSPC-SP1 C. ONLY CLEAN AND NEW ABRASIVE SHALL BE USED FOR BLASTING D. ABRASIVE SELECTED SHALL PRODUCES A SHARP PROFILE OF 1.5 TO 2.0 MILS, MINIMUM E. COATINGS SHALL BE APPLIED IN ACCORDANCE WITH SSPC-PA1 AND WITHIN THE TERMPERATURE AND/OR HUMIDITY LIMITATIONS AND IN ACCORDANCE WITH THE INSTRUCTIONS STATED ON THE MANUFACTURER'S PRINTED PRODUCT DATA SHEET F. COATINGS SHALL BE TWO COATS OF ICI DEVOE CATINGS DEVTAR 5A HIGH BUILD EPOXY. APPLIED TO A MINIMUM DRY FILM THICKNESS OF 8.0 TO 10.0 MILS PER COAT, FOR A TOTAL DRY FILM THICKNESS OF 16.0 TO 20.0 MILLS G. INDIVIDUAL DRY FILM THICKNESSES SHALL BE TAKEN BY A QUALIFIED INDIVIDUAL, USING CERTIFIED EQUIPMENT EMPLOYED BY OR ON BEHALF OF CONTRACTOR OF ALL SHOP APPLIED COATINGS

ASTM A36 OR ASTM A572 GR. 50

WELD* (In.)

ASTMA500 GR. C

ASTM A36

NOTES:

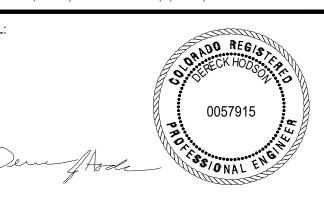
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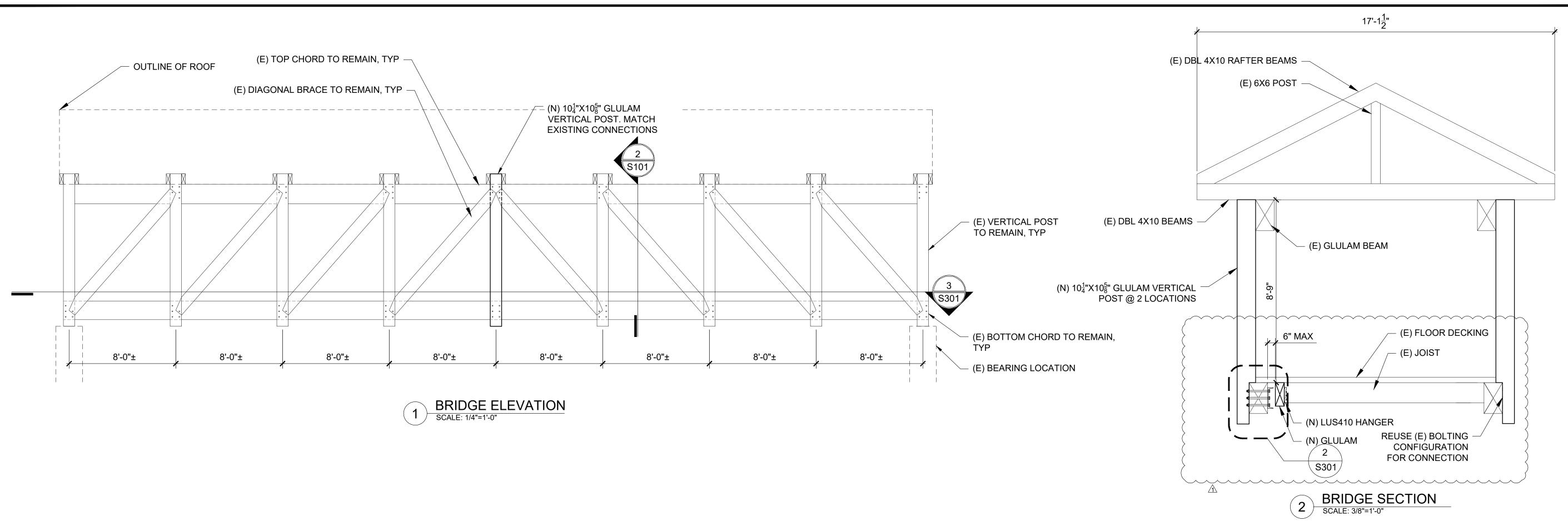
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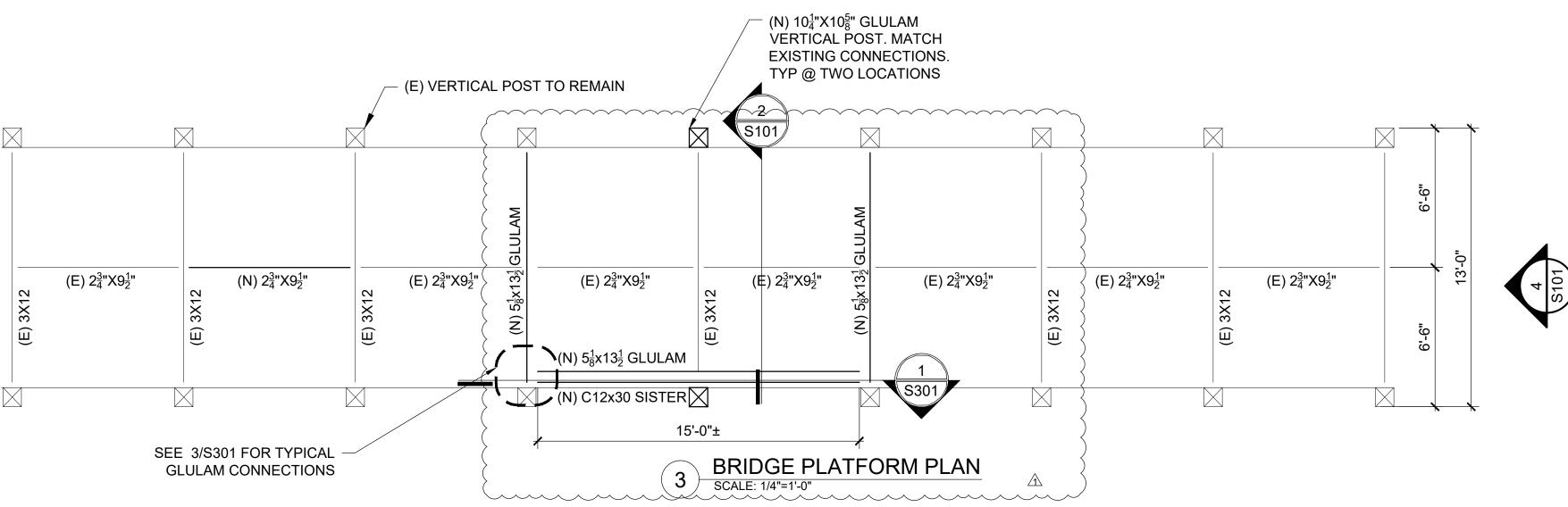
STRUCTURAL NOTES

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DATE (Y-M-D):	2024-08-13
SCALE:	AS NOTED
DESIGNED BY:	RIMKUS
DRAWN BY:	DJH
CHECKED BY:	RJD

DRAWING NO: **S001** SHEET NO: OF







- 1. FIELD VERIFY LOCATION OF PANELS POINTS AND BOLT SIZE AND SPACING
- PRIOR TO FABRICATION
- 2. PROVIDE SHORING DURING THE REPAIR

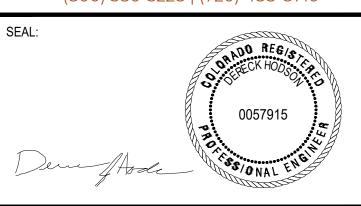
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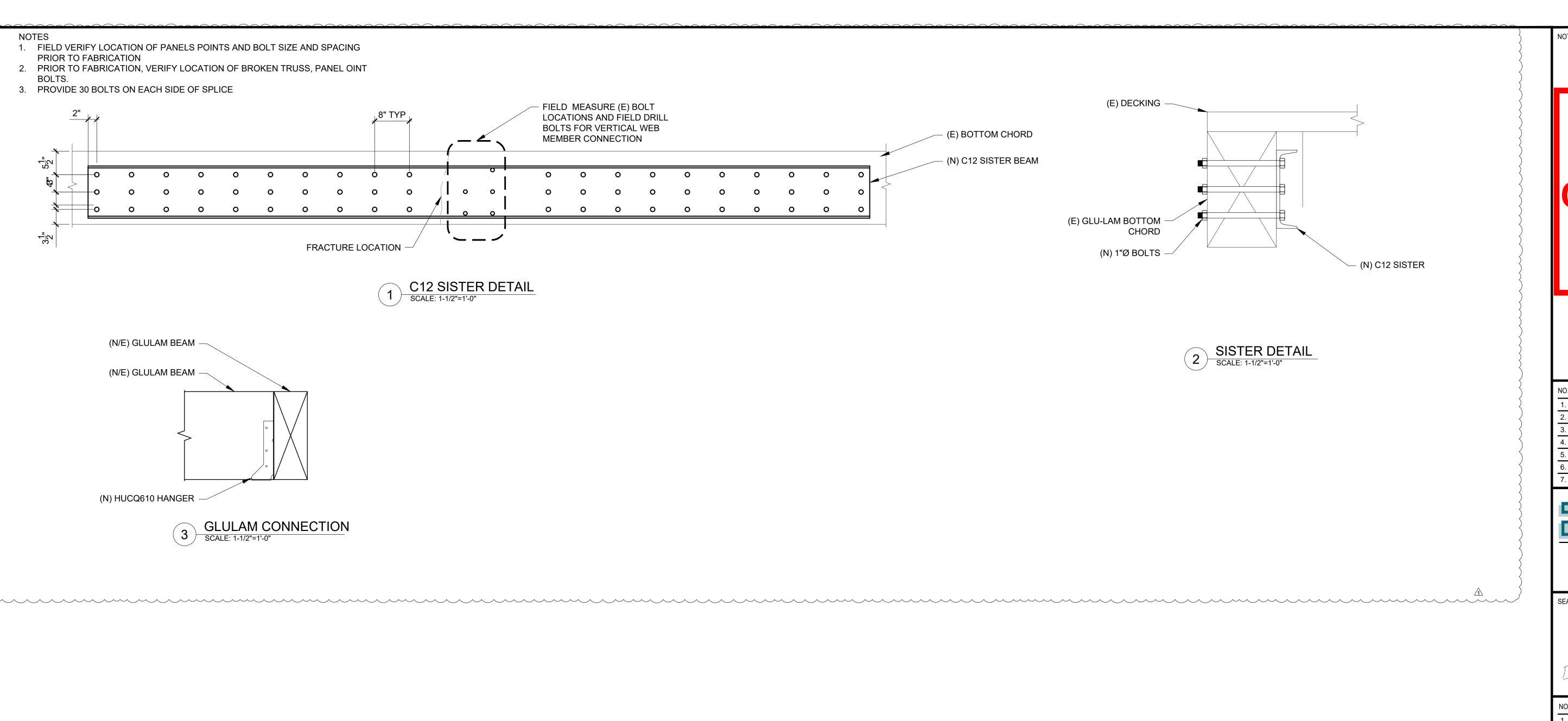
SUNROOM ROOF FRAMING PLAN

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DRAWING NO:	

S101

SHEET NO: OF



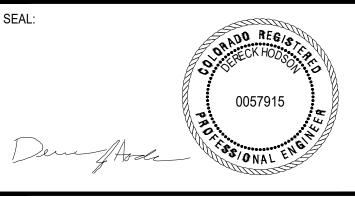
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SHEET TITLE:

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