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ACKNOWLEDGE RECEIPT ON THE BID FORM DOES NOT AFFECT THE BIDDER'S
OBLIGATION FOR COMPLIANCE.



ADDENDUM NO. 2

WASHINGTON STATE PARKS AND RECREATION COMMISSION KLUCKITAT STATE PARK TRAIL SWALE CANYON TRAIL IMPROVEMENTS EW-C6526

DATE: February 15, 2024

ATTENTION TO PLANHOLDERS OF RECORD. The following revisions are hereby made a part of the Contract Documents. Please be sure to acknowledge all Addenda on the Bid Form.

GENERAL:

Bid Due Date has been moved to **1:00 pm Thursday March 07, 2024**

SPECIFICATIONS

- 1) **Bid Proposal Form:** **Delete** Bid Proposal Form in its entirety and **Replace** with Addendum 2 Bid Proposal Form. In order to be considered responsive, bid must be submitted on the Addendum 2 Bid Proposal Form.

1. Project Manual:

The following revisions to the Specifications within the Project Manual are provided to be incorporated into bid proposals and the subsequent construction.

SECTION 051200 - STRUCTURAL STEEL FRAMING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Structural shapes.

2. Angles.
3. Structural plates and bars.
4. Wire mesh.
5. Fasteners, connectors, and anchors.
6. Grout.

1.2 REFERENCES

A. American Institute of Steel Construction:

1. AISC 303 - Code of Standard Practice for Steel Buildings and Bridges.
2. AISC 341 - Seismic Provisions for Structural Steel Buildings.
3. AISC 360 - Specification for Structural Steel Buildings.

B. ASTM International:

1. ASTM A36/A36M - Standard Specification for Carbon Structural Steel.
2. ASTM A307 - Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength.
3. ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
4. ASTM A193/A193M - Standard Specification for Alloy-Steel and Stainless Steel Bolting Materials for High-Temperature Service.
5. ASTM A194/A194M - Standard Specification for Carbon Steel, Alloy Steel, and Stainless Steel Nuts for Bolts for High Pressure or High Temperature Service, or Both.
6. ASTM A242/A242M - Standard Specification for High-Strength Low-Alloy Structural Steel.
7. ASTM A563 - Standard Specification for Carbon and Alloy Steel Nuts.
8. ASTM A588/A588M - Standard Specification for High-Strength Low-Alloy Structural Steel with 50 ksi (345 MPa) Minimum Yield Point to 4-in. (100-mm) Thick.
9. ASTM A847/A847M - Standard Specification for Cold-Formed Welded and Seamless High Strength, Low Alloy Structural Tubing with Improved Atmospheric Corrosion Resistance.
10. ASTM D4956 - Standard Specification for Retroreflective Sheeting for Traffic Control
11. ASTM E94 - Standard Guide for Radiographic Examination.
12. ASTM E164 - Standard Practice for Ultrasonic Contact Examination of Weldments.
13. ASTM E165 - Standard Test Method for Liquid Penetrant Examination.
14. ASTM E709 - Standard Guide for Magnetic Particle Examination.
15. ASTM F2329 - Standard Specification For Zinc Coating, Hot-Dip, Requirements For Application To Carbon And Alloy Steel Bolts, Screws, Washers, Nuts, And Special Threaded Fasteners
16. ASTM F3125 - Standard Specification for Structural Bolts and Assemblies, Steel and Alloy Steel, Heat Treated, 120/150 ksi Minimum Tensile Strength.
17. ASTM F436 - Standard Specification for Hardened Steel Washers.

C. American Welding Society:

1. AWS A2.4 - Standard Symbols for Welding, Brazing, and Nondestructive Examination.
2. AWS D1.1 - Structural Welding Code - Steel.

D. Research Council on Structural Connections:

1. RCSC - Specification for Structural Joints Using High Strength Bolts.

1.3 SUBMITTALS

- A. Section 013300 - Submittal Procedures: Requirements for submittals.
- B. Shop Drawings:
 - 1. Indicate profiles, sizes, spacing, locations of structural members, attachments, and fasteners.
 - 2. Connections.
 - 3. Indicate welded connections with AWS A2.4 welding symbols. Indicate net weld lengths.
- C. Manufacturer's Mill Certificate: Certify products meet or exceed specified requirements.
- D. Welders Certificates: Certify welders employed on the Work, verifying AWS qualification within previous 12 months.
- E. Shop inspection reports for all fabricated steel items.

1.4 QUALITY ASSURANCE

- A. Perform Work in accordance with the following:
 - 1. Structural Steel: AISC 303.

1.5 QUALIFICATIONS

- A. Fabricator: Company specializing in performing Work of this section with minimum five years documented experience.
- B. Welders and Welding Procedures: AWS D1.1 qualified within previous 12 months.

1.6 COORDINATION

- A. Coordinate work with the following:
 - 1. Section 033000 – Structural Concrete: Items to be cast in precast or cast in place concrete members.

PART 2 - PRODUCTS

2.1 STRUCTURAL STEEL

- A. Angles: ASTM A588 weathering steel.
- B. Square and Rectangular Hollow Structural Sections: ASTM A847 weathering steel.
- C. Structural Plates and Bars: ASTM A588 weathering steel.

2.2 FASTENERS, CONNECTORS, ANCHORS, AND ACCESSORIES

A. Weathering Steel Bolts:

1. ASTM F3125; Grade A325, Type 3.
2. Finish: Weathering steel.
3. Nuts: ASTM A563; Grade C3 or DH3 heavy hex type.
4. Washers: ASTM F436; Type 3 weathering steel, circular.

B. Hot Dipped Galvanized Timber Bolts:

1. For attaching timber decking and curbs to bridge.
2. ASTM A307, Grade A.
3. Finish: Hot dipped galvanized per ASTM F2329.
4. Nuts: ASTM A563A; hot dipped galvanized.
5. Washers: ASTM F844; hot dipped galvanized.

C. Weathering Steel Threaded Rod:

1. For gate hinge rod.
2. ASTM A588.
3. Finish: Weathering steel.
4. Nuts: ASTM A563; Grade C3 or DH3 heavy hex type.

D. Thread Locker: ASTM D5363; red, high strength, anaerobic.

1. LOCTITE: 262 or 271.
2. Permatex: High Strength Threadlocker Red.
3. Gorilla: AT150.
4. Substitutions: Section 016000 - Product Requirements.

E. Reflective Tape: ASTM D4956, Type 5, white

1. 3M: Scotchlite Diamond Grade LDP 3970 Series.
2. ORAFOL: Oralite V82.
3. Avery Dennison: V-5720 10 Year
4. Substitutions: Section 016000 - Product Requirements.

2.3 WIRE MESH

- ### A. Rectangular, weathering steel, welded wire mesh, sized per Drawings.

2.4 WELDING MATERIALS

- ### A. Welding Materials: AWS D1.1; type required for materials being welded.

2.5 STOP SIGNS

- A. Stop signs shall be 24-inch Type R1-1. Fabrication shall be per the requirements of the WSDOT Sign Fabrication Manual (M 55-05) and the WSDOT Traffic Manual (M 51-02.10).

2.6 QUALITY CONTROL AND TESTS

- A. Section 014000 - Quality Requirements: Testing, inspection and analysis requirements.
- B. Contractor shall provide for third party inspections of all steel fabrications; inspector shall review all steel fabrications for quality ensuring all framing and connections are per the contract Drawings and the approved fabrication shop drawings.
 - 1. Fabrication work completed in an AISC or WABO registered or certified shop, with a written procedural and quality control manual, and approved by the Owner/Engineer may waive the inspection requirements noted above. When fabrication inspections are waived, the fabricator shall submit a certificate of compliance indicating Work performed at fabricator's facility conforms to Contract Documents.

2.7 PREFABRICATED GATES AND PANELS

- A. The prefabricated gates and panels shown on sheet 12 of the project drawings (ALT A1 - V-FRAME GATE DETAILS) called out as a 14' Powder River steel gate (shall be equivalent to this product <https://powderriver.com/product/1600-tube-gates/>) and the 6' Powder River wire filled panel (shall be equivalent to this product <https://powderriver.com/product/wire-filled-gates/>). These gates and/or panels should all be powder coated using the manufacturer's standard color that most closely resembles Bittersweet Chocolate by Benjamin Moore (<https://www.benjaminmoore.com/en-us/paint-colors/color/2114-10/bittersweet-chocolate>).
- B. Self-Closing Hinge for the V-Frame wire mesh gate shall be Weld-On spring hinges from Hardware Source part #980014. The Gate Latch for the V-Frame wire mesh gate shall be the SPEECO one way gate latch part #S16100500.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify bearing surfaces are at correct elevation.

3.2 PREPARATION

- A. Furnish templates for installation of anchor rods and embedments in concrete and masonry work.
- B. Prepare steel surfaces as required by manufacturer for installation of reflective tape.

3.3 ERECTION

- A. Allow for erection loads, and for sufficient temporary bracing to maintain structure safe, plumb, and in alignment until completion of erection.
- B. Field weld only those components indicated on Drawings.
- C. Field connect members with threaded fasteners; apply red thread locker to all bolted connections, tighten to snug tight.
- D. Do not field cut or alter structural members without approval of Engineer.
- E. After erection, touch up welds and abrasions to match shop finishes.
- F. Follow manufacturer's installation requirements for reflective tape.

3.4 ERECTION TOLERANCES

- A. Section 014000 - Quality Requirements.
- B. Maximum Offset From Alignment: 1/4 inch.

3.5 FIELD QUALITY CONTROL

- A. Section 014000 - Quality Requirements.
- B. Bolted Connections:
 - 1. Visually inspect all bolted connections.
- C. Welding: Inspect welds in accordance with AWS D1.1.
 - 1. Certify welders and conduct inspections and tests as required. Record types and locations of defects found in work. Record work required and performed to correct deficiencies.
 - 2. Visually inspect all welds.
 - 3. Ultrasonic Inspection: ASTM E164; perform on all full penetration welds.
 - 4. Liquid Penetrant Inspection: ASTM E165.
- D. Correct defective bolted connections and welds.

END OF SECTION

SECTION 323400 – PREFABRICATED BRIDGE

PART 4 - GENERAL

4.1 SUMMARY

A. Section Includes:

1. Bridge design.
2. Bridge fabrication.
3. Bridge delivery and erection.
4. Bridge load rating.

4.2 REFERENCES

A. Governing Design Code:

1. American Association of State Highway and Transportation Officials (AASHTO), LRFD Bridge Design Specifications, 9th Edition, 2020 (AASHTO LRFD).

B. Other Reference Codes and Standards:

1. AASHTO/NSBA, Steel Bridge Fabrication Guide Specification, S2.1, 2018.
2. AISC, Steel Construction Manual, 15th Edition, 2017.
3. American Welding Society, Structural Welding Code, D1.5, 2015.
4. ANSI/AWC NDC-2015 National Design Specification for Wood Construction, 2015.
5. ASTM A193 - Standard Specification for Alloy-Steel and Stainless Steel Bolting Materials for High-Temperature Service.
6. ASTM A194 - Standard Specification for Carbon Steel, Alloy Steel, and Stainless Steel Nuts for Bolts for High Pressure or High Temperature Service, or Both.
7. ASTM A588 - Standard Specification for High-Strength Low-Alloy Structural Steel, up to 50 ksi Minimum Yield Point, with Atmospheric Corrosion Resistance.
8. ASTM A709 - Standard Specification for Structural Steel for Bridges.
9. ASTM A847/A847M - Standard Specification for Cold-Formed Welded and Seamless High Strength, Low Alloy Structural Tubing with Improved Atmospheric Corrosion Resistance.
10. ASTM F3125 - Standard Specification for Structural Bolts and Assemblies, Steel and Alloy Steel, Heat Treated, 120/150 ksi Minimum Tensile Strength.
11. ASTM F436 - Standard Specification for Hardened Steel Washers.

4.3 SUBMITTALS

A. Section 013300 - Submittal Procedures: Requirements for submittals.

B. Bridge Drawings and Calculations: Manufacturer shall design the prefabricated bridge and prepare engineered drawings with supporting calculations for the bridge. The drawings and calculations shall be stamped by a Civil or Structural Engineer licensed in the State of Washington who has a minimum of five (5) years of experience as a bridge designer.

C. Bridge Erection Plan: Submit an erection plan for the placement of the bridge at the bridge site. Include information on joining any prefabricated modules of the bridge.

- D. Material Certificates: Submit certificates for all materials within the bridge. Traceability of heat numbers is required for all steels.
- E. Inspection Reports: Submit all inspection reports performed as part of quality control checks and non-destructive testing.

4.4 QUALITY ASSURANCE

- A. Certified Weld Inspector: Manufacturer and/or contractor shall employ a Certified Weld Inspector (CWI) with AWS QC1 endorsement.
- B. Non-Destructive Testing: All welds within the structure shall be visually inspected for conformance to the approved shop drawings.

PART 5 - PRODUCTS

5.1 WEATHERING STEEL

- A. All structural steel for the bridge shall be weathering steel meeting the requirements of ASTM A588 or ASTM A709 Grade 50W.
- B. Secondary members may be weathering steel tube sections meeting the requirements of ASTM A847.
- C. All steel shall be new and domestically produced.
- D. Bridge shall be provided with a minimum of three (3) girder lines as shown in the drawings. Additional girder lines may be required as determined by the contractor's design.

5.2 GLUED LAMINATED DECK PANELS

- A. Glued-laminated deck panels shall be per Section 061000 – Rough Carpentry.
- B. Provide standard galvanized steel or cast deck clips as needed for fastening deck panels to bridge girders.

5.3 FASTENERS

- A. Fasteners shall be per Section 051200 – Structural Steel Framing, unless noted otherwise.
- B. Anchor bolts shall ASTM A193, Grade B8 or B8M stainless steel. Use ASTM A194; Grade B8 or B8M nuts and 304 or 316 SS washers to match bolts.

5.4 ELASTOMERIC BEARINGS

- A. Elastomeric pads shall be Grade 4, 60-Durometer Neoprene or natural rubber. Pads need not meet AASHTO LRFD design criteria if used only as leveling pads.

PART 6 - EXECUTION

6.1 BRIDGE DESIGN

- A. Dead Loads: Design the bridge for total dead weight plus an additional wearing surface allowance of 35 pounds per square foot on the bridge deck.
- B. Live Loads: Design the bridge for the worst case of one lane of vehicular traffic, supporting HL-93 design vehicle plus Dynamic Load Allowance with an ADTT of 100; OR 90 pounds per square foot pedestrian loading.
- C. Lateral Loads: Wind and seismic loads shall be per AASHTO LRFD. Use Site Class D and an Operational Classification of Other for seismic design.
- D. Railing: The bridge railing has been designed and shall be fabricated as shown on the project drawings. The bridge structure shall be capable of resisting Bicycle Railing Loads per AASHTO LRFD imparted upon the railing shown in the drawings.
- E. Camber: Bridge shall have a vertical camber dimension at the mid-span equal to 100% of the anticipated full dead load deflection. If beam mill camber is adequate to accommodate full dead load deflection, the fabricator shall indicate such on the shop drawings.
- F. Deflection: Deflection from live loading shall be limited to $L/500$.

6.2 FABRICATION

- A. Welding: Welding procedures and weld qualification test procedures shall conform to the provisions of AWS D1.5. Filler metal shall be in accordance with the applicable AWS Filler Metal Specification and shall match the corrosion properties of the base metal.
- B. Welders: Welders shall be qualified for each process and position used while fabricating the bridge. Qualification tests shall be in accordance with AWS D1.1/D1.5. All weld qualifications and records shall be kept in accordance with the Fabricator's Quality Assurance Manual.
- C. Bolted Connections: For shipping purposes, the bridge may be fabricated in sections. Sections shall be field assembled using bolted connections and or field welding as indicated on the manufacturer's shop drawings. All bolted connections are considered to be pretensioned. All bolts are to be pretensioned per the requirements of section 8.2 of the Specification for Structural Joints Using High-Strength Bolts. Recommended tightening method of all structural bolts shall be Turn-of-the-Nut Pretensioning.

6.3 FINISH

- A. All exposed surfaces of structural steel to be cleaned in accordance with Steel Structures Painting Council Surface Preparation Specifications No. 1, SSPC-SP1 solvent cleaning. Exposed surfaces of steel shall be defined as those surfaces seen from the deck or from the outside and bottom of the structure. All other surfaces to have standard mill finish.
- B. Bridge deck panels shall be installed with a maximum 1/4-inch gap between deck panels and a maximum deviation in surface elevations of 1/4-inch panel to panel.

6.4 DELIVERY & ERECTION

- A. Contractor is responsible for delivery of the bridge to the site. Contractor shall coordinate as needed with the bridge manufacturer.
- B. Contractor is responsible for installation of the bridge at the bridge site. Contractor shall coordinate as needed with the bridge manufacturer.
- C. Any field welding shall be performed by AWS Certified Welders.

6.5 FIELD QUALITY CONTROL

- A. Section 014000 - Quality Requirements: Field inspecting, testing, adjusting, and balancing.

END OF SECTION

Drawings:

These drawings are revised with the attached drawings:

Attachments:

Addendum 2 Bid Proposal Form

Drawings:

- Sheet 12 of 22
- Sheet 15 of 22
- Sheet 16 of 22
- Sheet 19 of 22
- Sheet 20 of 22
- Sheet 21 of 22
- Sheet 22 of 22

Brett Taylor

Brett Taylor, Procurement Coordinator
Contracts and Grants Program

02/15/24

Date

END OF ADDENDUM NO. 2



ADDENDUM 2
KLICKITAT TRAIL STATE PARK
SWALE CANYON TRAIL IMPROVEMENTS

BIDS DUE:
1:00PM, THURSDAY,
MARCH 07TH, 2024

BID DELIVERY LOCATION:

DELIVER BIDS ELECTRONICALLY TO BIDBOX@PARKS.WA.GOV

Subject line to read: "BID: EW-C6526 [YOUR COMPANY NAME]."

***** Bid Proposal and Signature: See Section 7.1 of the Instructions to Bidders for expanded instructions for bid submittal.*****

**** PLEASE PRINT CLEARLY BELOW ****

TOTAL BASE BID	
(NOT INCLUDING SALES TAX)	
↓ PRICE WRITTEN-OUT COMPLETELY IN WORDS ↓	↓ PRICE IN NUMBERS ONLY ↓
_____ _____ (U.S.) DOLLARS	\$ _____

Printed Name of Person Signing Bid Proposal ↑	Firm Name (Printed legibly) ↑
Title ↑ (Estimator, Vice-President, Owner, Principal, etc.)	Physical Street Address ↑ (NO PO Boxes Here)
Contractor Registration No. & Expiration Date ↑	City ↑ State Zip + PLUS 4 ()
Taxpayer Identification Number ↑	Area Code Phone Number ↑ ()
Washington UBI Number ↑	Area Code Fax Number ↑ ()
Employment Security Department Number ↑	Area Code Cellular Phone Number ↑ ()
PO Box for US Mail Delivery (if any) ↑	E-Mail Address (Enter N/A if none) ↑

**KLICKITAT TRAIL STATE PARK
SWALE CANYON TRAIL IMPROVEMENTS**

Unit prices and estimated quantities shall be used to determine the Base Bid. These prices shall also be used to adjust the Contract in the event there is an increase or decrease in the estimated quantities. All costs shall be “in place” costs and complete, **excluding State Sales Tax.** *In the event of an irregularity, the unit price prevails. The Owner reserves the right to make mathematical corrections of multiplication or addition errors on the bid form.*

Trench Excavation Safety Provisions: If the contract contains any work which requires trenching exceeding a depth of four (4) feet, all costs for adequate trench safety systems shall be identified as a separate bid item in compliance with Chapter 39.04 RCW. The purpose of this provision is to ensure that the bidder agrees to comply with all relevant trench safety requirements of Chapter 49.17 RCW. This bid amount shall be considered part of the total base bid. **Include a lump sum dollar amount (even if the value is \$0.00) to be considered responsive to the bid solicitation.**

Wage Certification. The bidder certifies under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct: within the three-year period immediately preceding the bid solicitation date, the bidder has not been a “willful” violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction.

BASE BID ITEMS

BE SURE TO INCLUDE UNIT PRICES IF THE BOX IS NOT SHADED

ITEM NO.	DESCRIPTION	EST QTY	UNIT PRICE	TOTAL AMOUNT
1.	Trench Excavation Safety Provisions	L.S.		
2.	Mobilization	L.S.		
3.	Temporary Erosion and Sediment Controls (TESC)	L.S.		
4.	Trestle Removal	L.S.		
5.	Grading and Surfacing	L.S.		
6.	Trestle #9 Replacement	L.S.		
7.	Trestle Repairs	L.S.		
8.	Gates	L.S.		
9.	Containment and Falsework	L.S.		
ITEM TOTAL MUST AGREE WITH PAGE 1 BID AMOUNT →				\$

**KLICKITAT TRAIL STATE PARK
SWALE CANYON TRAIL IMPROVEMENTS**

ALTERNATE BID ITEMS

ITEM NO.	DESCRIPTION	EST QTY	UNIT PRICE	TOTAL AMOUNT
A1	V-Frame Gates	L.S.		
A2	Resurface Trail to Trestle 2	L.S.		
A2.1	TSA Replacement for Alt A2	L.S.		
A3	Resurface Trail to Trestle 9	L.S.		
A3.1	TSA Replacement for Alt A3	L.S.		
A4	TSA Replacement for Item 5.C	L.S.		

The Bidder declares that they have carefully examined the site of the proposed work, the Drawings, Specifications and all of the conditions affecting the work. Therefore, the Bidder proposes to provide all labor, equipment, materials, and permits and to perform all work as required by, and in strict accordance with the Contract Documents for the bid amounts as follows.

The Commission reserves the right to accept or reject all bids and to waive informalities. No withdrawal of bids after bid deadline, or before award of contract, unless award is delayed over thirty (30) days.

Bidder agrees to complete project (including accepted alternates) in accordance with drawings and specifications within 240 calendar days from the date provided on the Notice to Proceed letter.

It is agreed that liquidated damages, in the amount of \$200.00, shall be levied for each and every calendar day by which the completion of the work is delayed beyond the time fixed for completion or extension of the contract.

**KLICKITAT TRAIL STATE PARK
SWALE CANYON TRAIL IMPROVEMENTS**

Apprentice Utilization Requirements. The apprentice labor hours required for this project are 15% of the total labor hours. The undersigned agrees to utilize this level of apprentice participation. A monetary incentive of \$1,000 will be paid to the contractor meeting the apprentice utilization requirement. A monetary penalty will be applied to the contractor failing to meet the utilization requirement and failing to demonstrate a Good Faith Effort. The penalty will be \$100 per percentage point not utilized.

Expected Apprenticeship Utilization cost value to be included in the bid associated with meeting the goals: \$ _____.

Addenda: Receipt of addenda numbered [] through [] is hereby acknowledged.

Signature of Authorized Official

**KLICKITAT TRAIL STATE PARK
SWALE CANYON TRAIL IMPROVEMENTS**

SUBCONTRACTORS UTILIZATION LIST


Any bid expected to cost one million dollars (\$1,000,000) or more for construction, alteration, or repair of public buildings or public work of the state requires Bidder to submit **as part of the bid** names of subcontractors Bidder, if awarded the contract, will subcontract for performance of heating, ventilation and air conditioning, plumbing, and electrical or to name itself for the work. Do not list more than one subcontractor for each category, unless subcontractors vary with bid alternates, in which case Bidder must indicate which subcontractor for which alternate. **Failure of Bidder to submit as part of the bid, the names of such subcontractors, or to name itself to perform such work, or the naming of two or more subcontractors to perform the same work, shall render bid non-responsive.**

CONTRACTOR'S, OR SUBCONTRACTORS' NAME, CITY & STATE	REGISTRATION NUMBER	CATEGORY OF WORK	DOLLAR AMOUNT
1. NAME _____ CITY _____ STATE _____			
2. NAME _____ CITY _____ STATE _____			
3. NAME _____ CITY _____ STATE _____			
4. NAME _____ CITY _____ STATE _____			
5. NAME _____ CITY _____ STATE _____			
6. NAME _____ CITY _____ STATE _____			
7. NAME _____ CITY _____ STATE _____			

Signature of Authorized Official

CAD NO.	
02/09/24	DATE
ECM	INT.
Addendum #2 Revisions	
1	NO.

ACTION	BY	DATE
DESIGNED	ECM	02/09/2024
DRAWN	OGC	02/09/2024
CHECKED	ECM	02/09/2024
CHECKED (HDQTS.)		



SARGENT
 SARGENT ENGINEERS, INC.
 320 Ronlee Lane NW • Olympia, WA 98502
 Tel. 360 867-9284 • Fax 360 867-9318
 SEI Pr. No. - A22158.00
 PROJECT ENGINEER

WASHINGTON
 STATE
 PARKS
 AND
 RECREATION
 COMMISSION



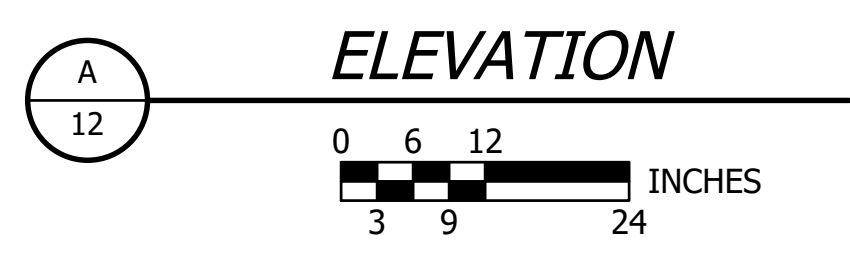
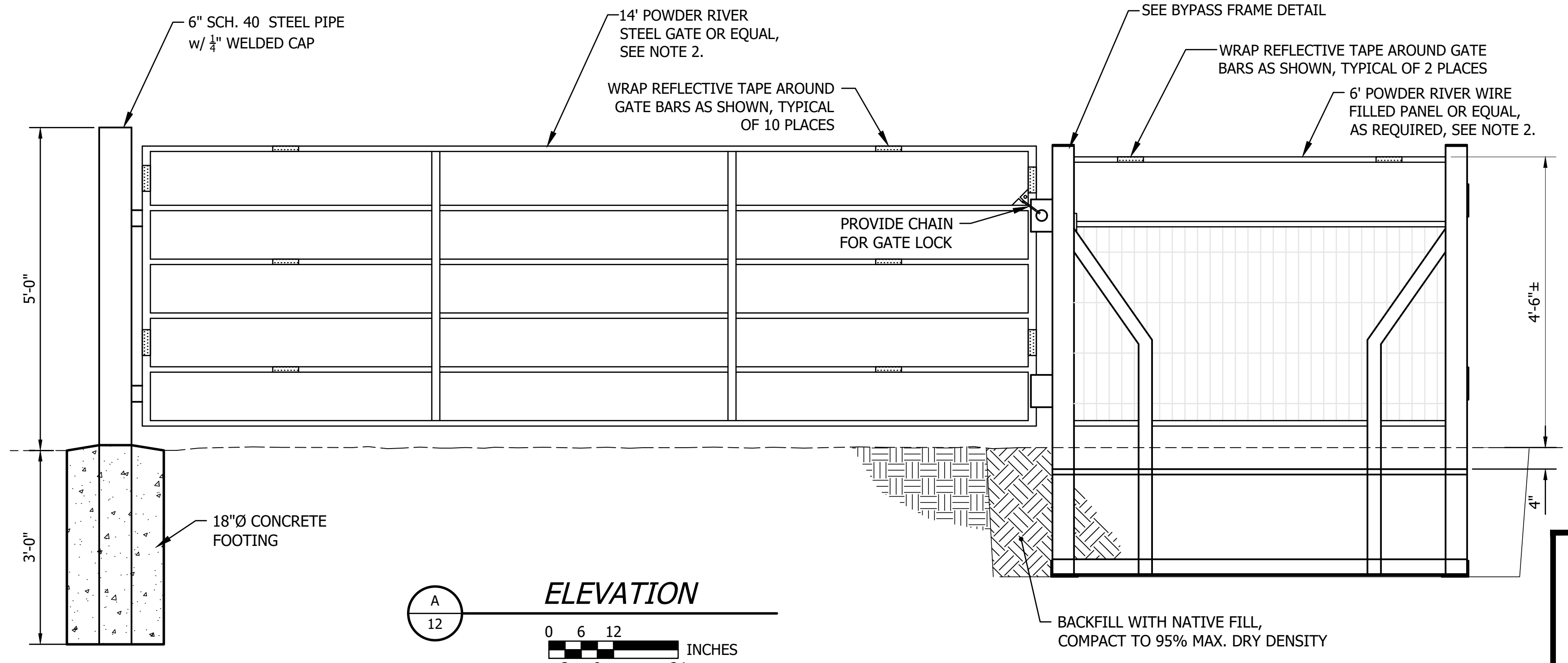
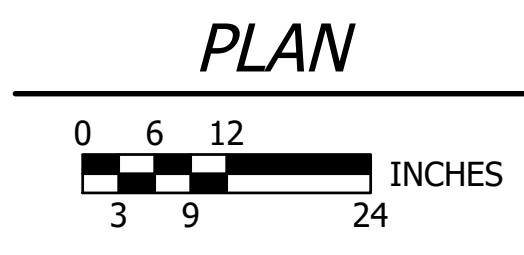
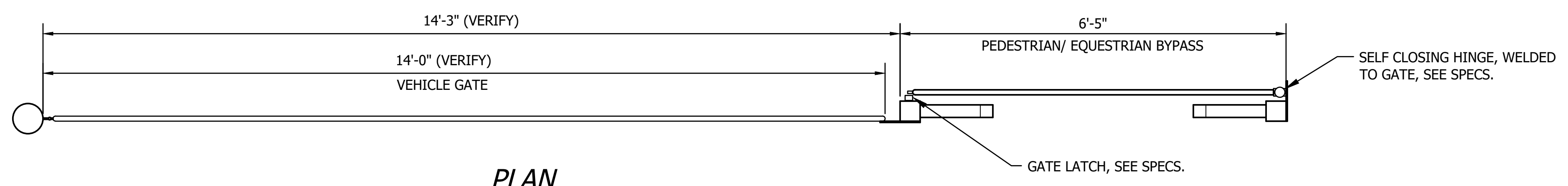
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PARK TRAIL

SWALE CANYON
TRAIL
IMPROVEMENTS

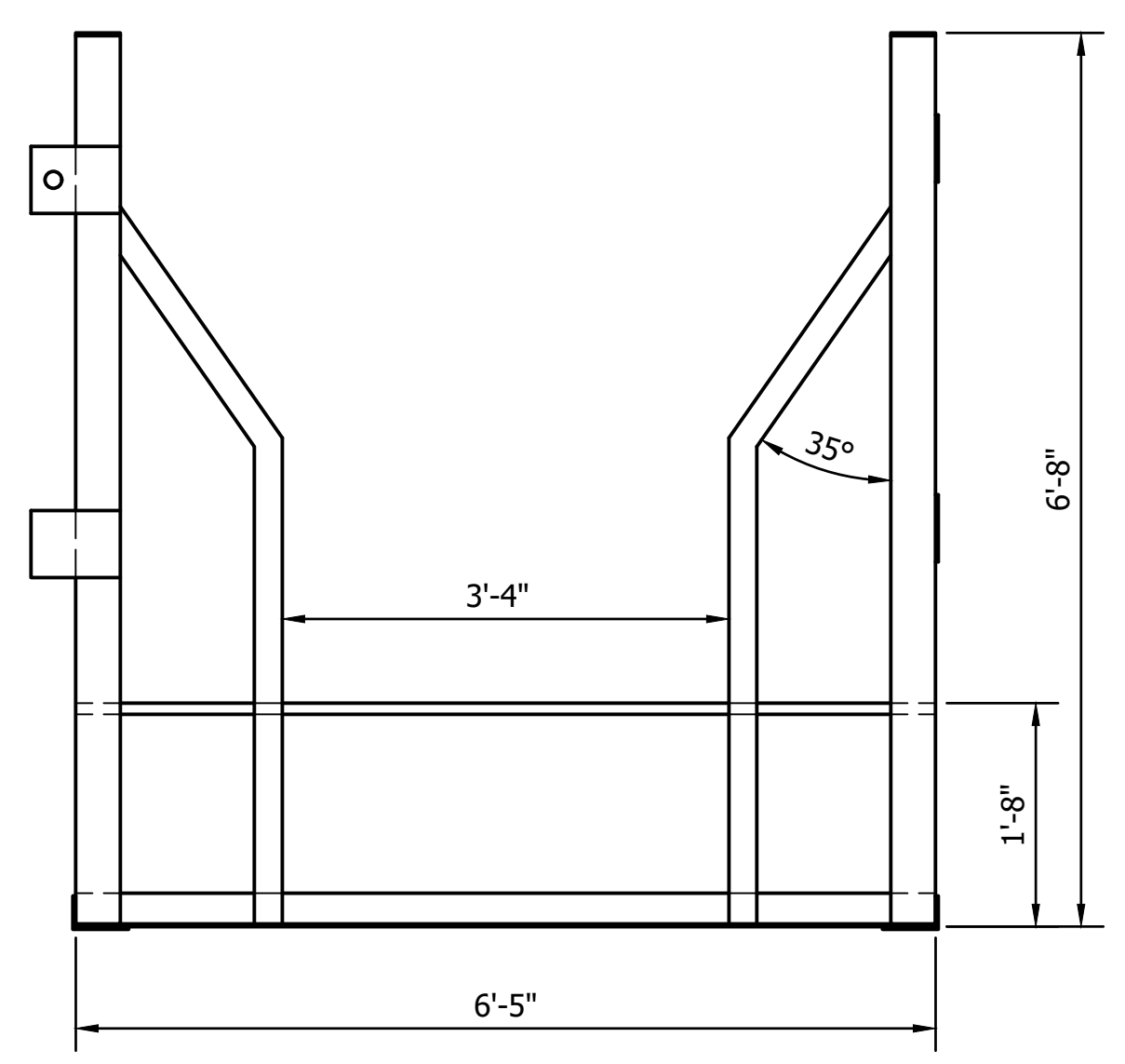
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 V-FRAME GATE
 DETAILS

 SCALE
 AS SHOWN

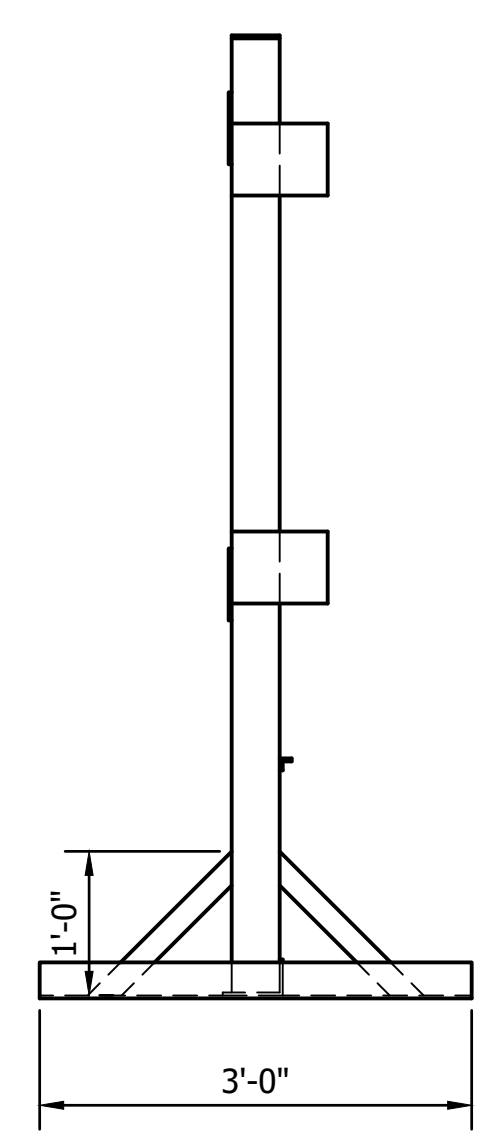
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- NOTES:**
- ALL WELDS SHALL BE 1/4" FILLETS UNLESS NOTED OTHERWISE. WELD CONTINUOUS ALL AROUND PARTS BEING JOINED.
 - POWDER COAT PER SPECIFICATIONS

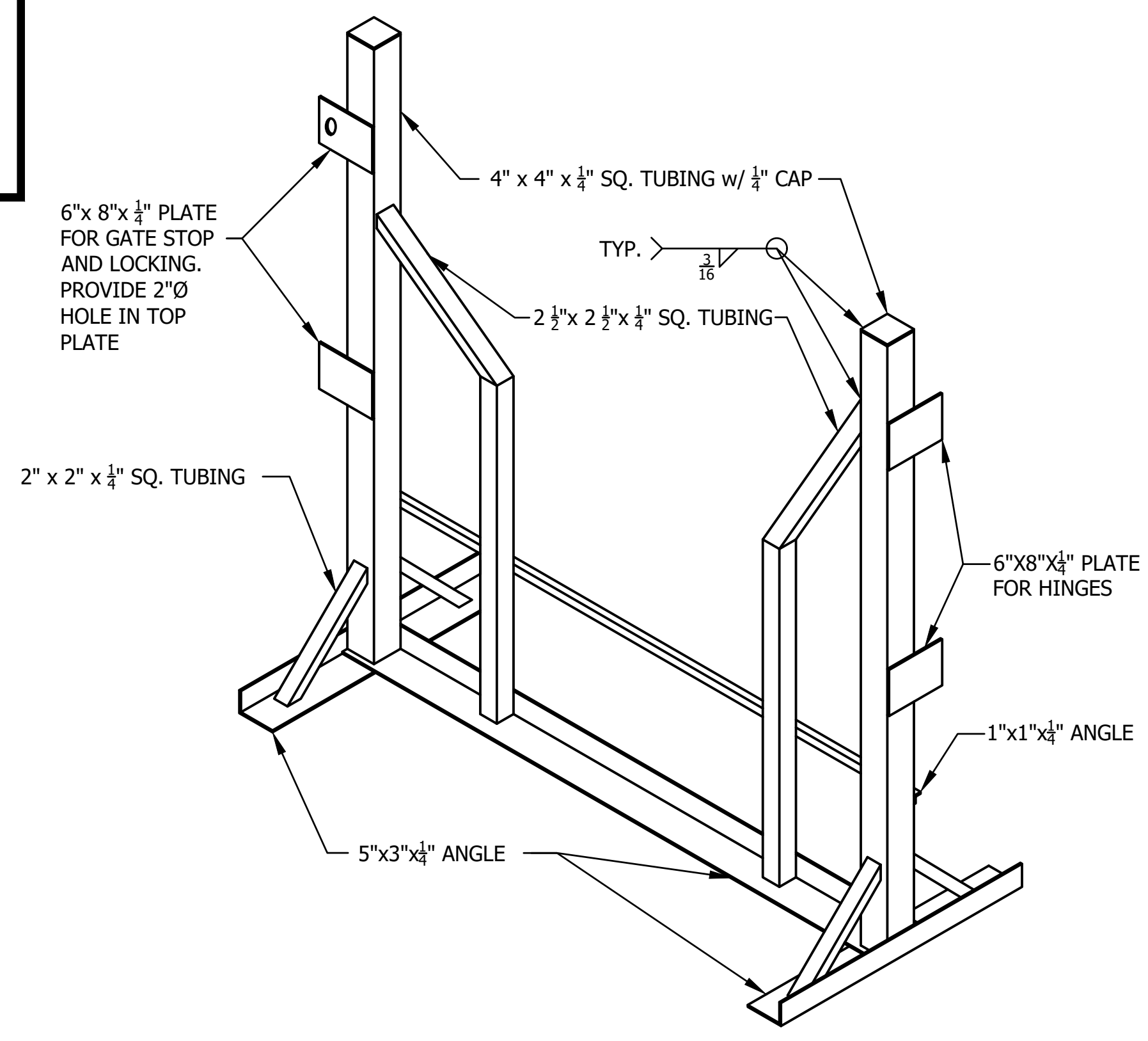


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SIDE

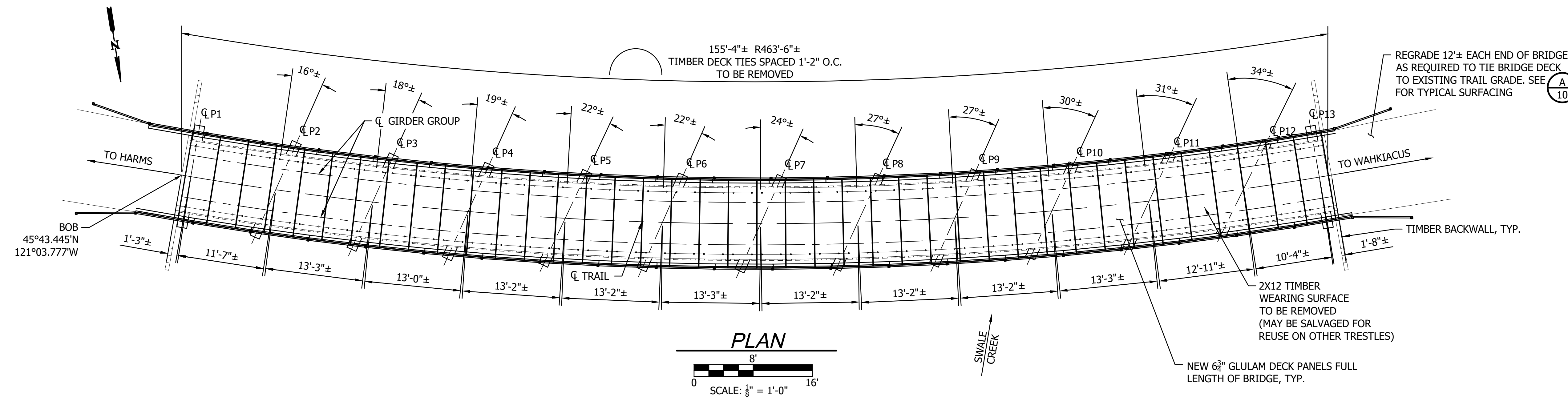
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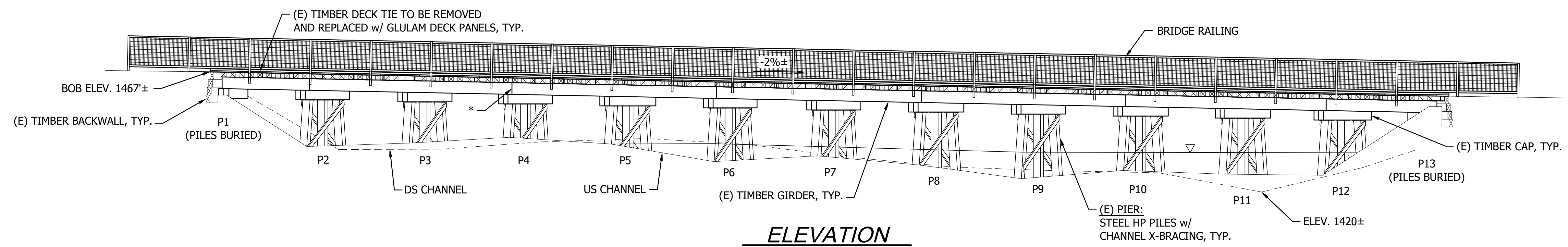
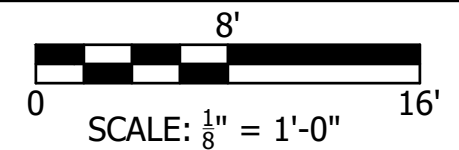
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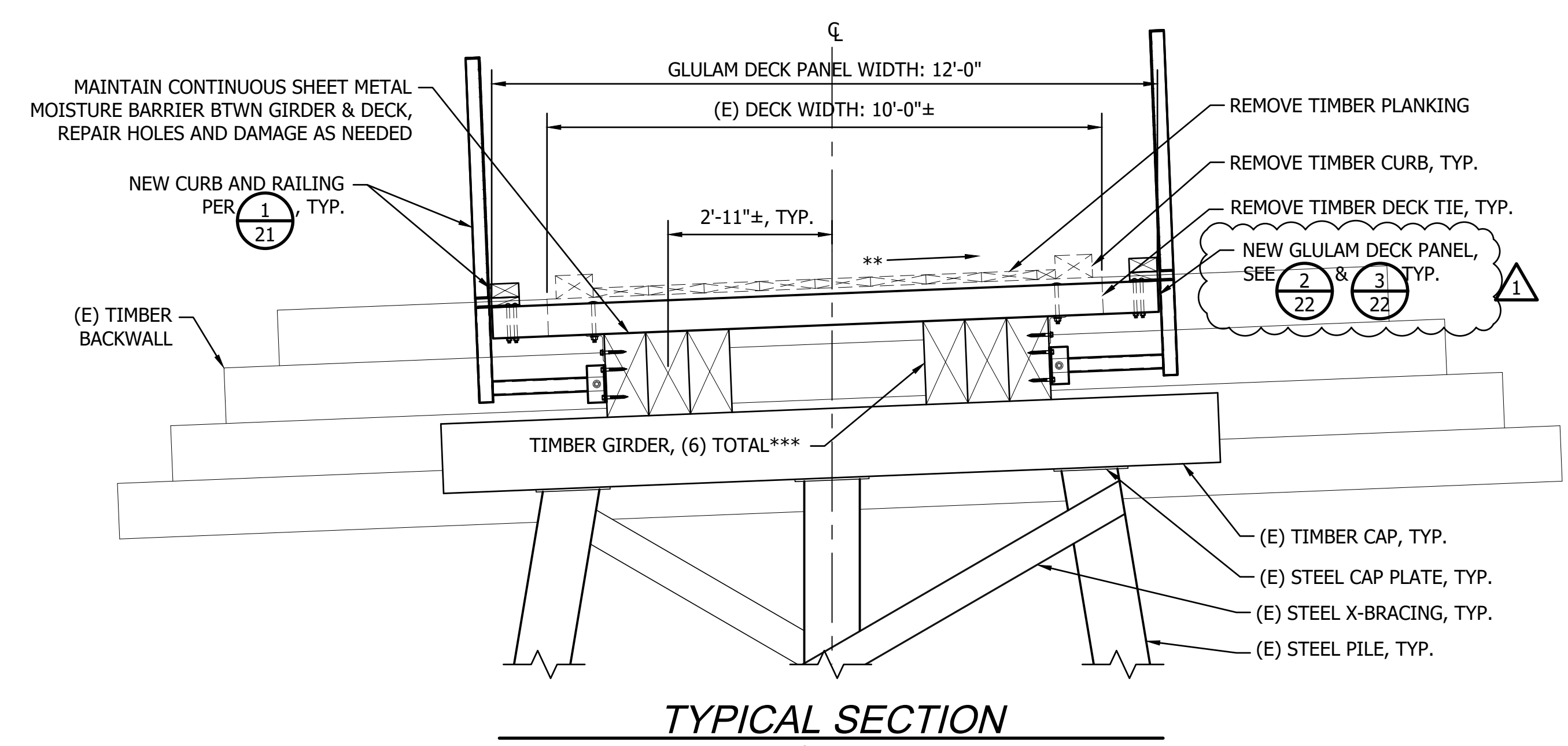
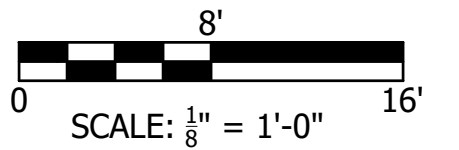
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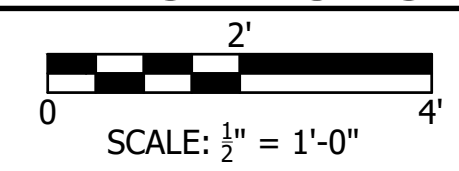
PLAN



ELEVATION



TYPICAL SECTION



NOTES

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- ALL LUMBER DIMENSIONS GIVEN ARE NOMINAL UNLESS NOTED AS ACTUAL. CONTRACTOR TO VERIFY DIMENSIONS AS REQUIRED TO COMPLETE CONSTRUCTION.

LEGEND

- * INDIVIDUAL GIRDER MEMBER LENGTHS VARY BETWEEN SINGLE AND 2-SPAN CONTINUOUS. THE MEMBER ENDS ARE STAGGERED AT ALL INTERIOR PIERS.
- ** SUPERELEVATION INCREASES FROM 3%± AT BOB TO 4%± AT EOB.
- *** TYPICAL GIRDER CONFIGURATION IS SHOWN IN THE SECTION BELOW. SOME SPANS MAY DIFFER FROM THAT SHOWN. CONTRACTOR TO VERIFY.

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ECM	INT.
1	NO.

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WASHINGTON
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**KLICKITAT STATE
 PARK TRAIL**

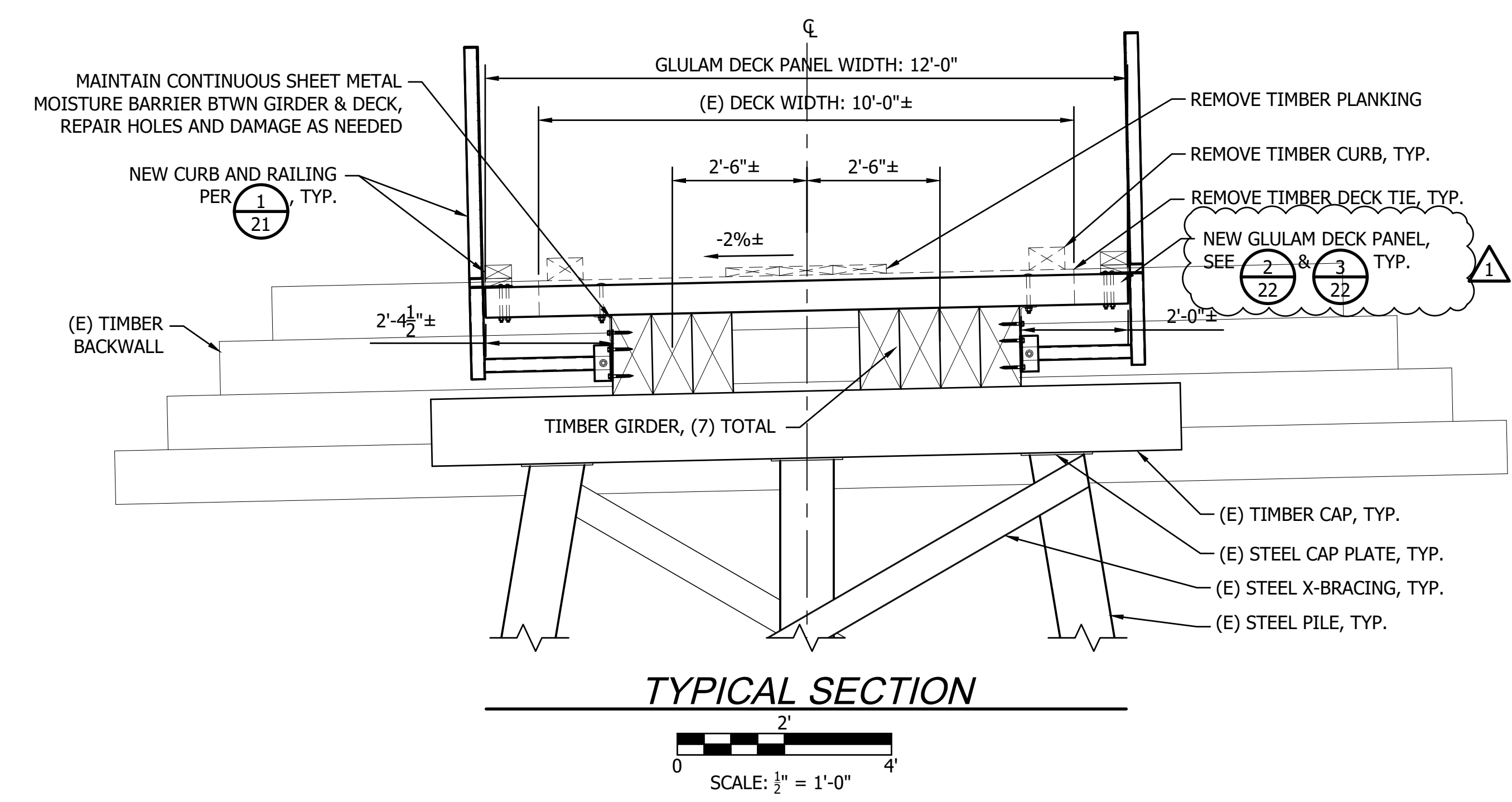
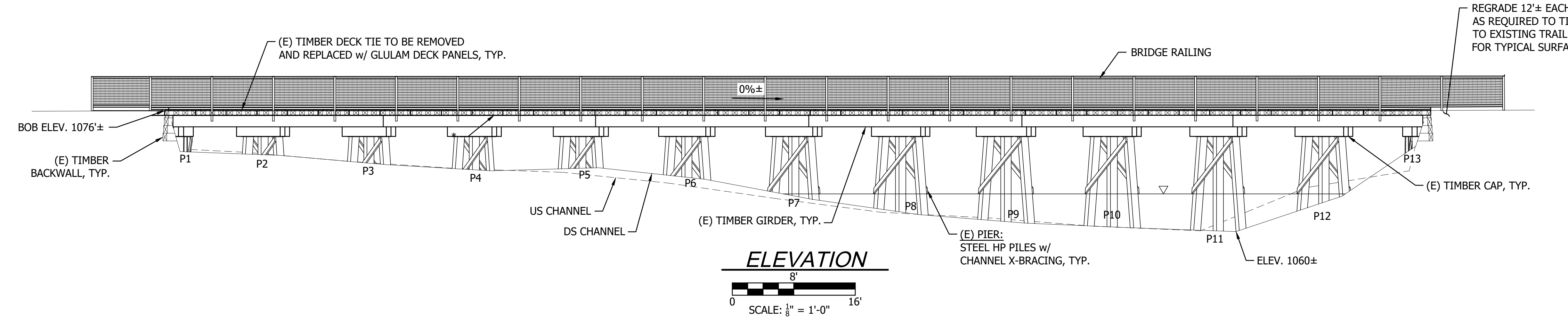
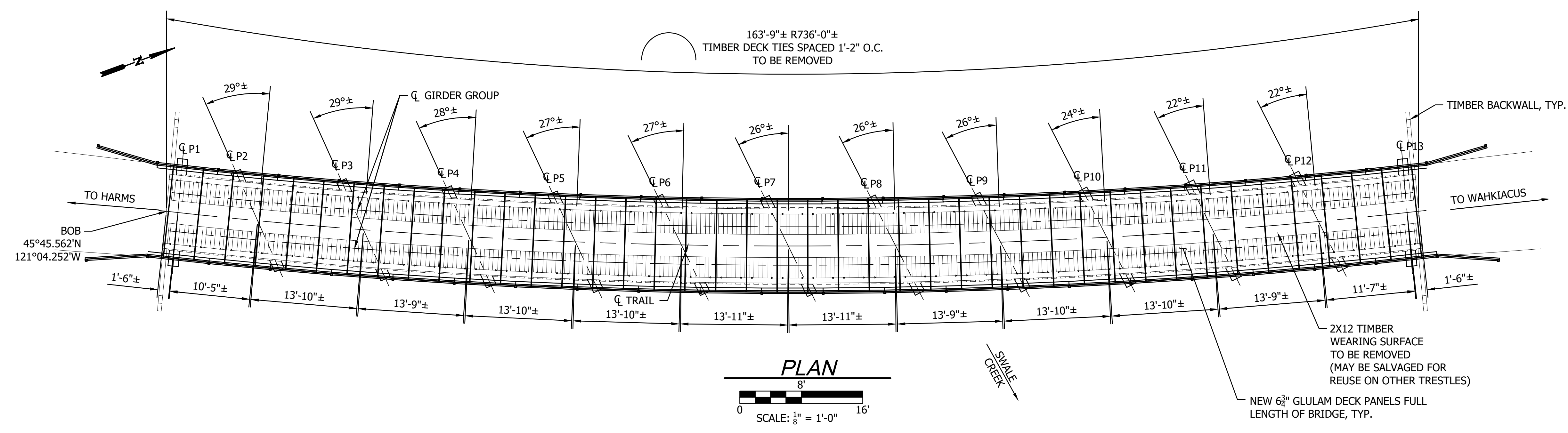
**SWALE CANYON
 TRAIL
 IMPROVEMENTS**

**TRESTLE 3 - MP 1.8
 PLAN, ELEVATION,
 & SECTION**

SCALE
AS SHOWN

PARKS FILE#

Plotted: Feb 09, 2024 - 16:39 ErikM C:\Temp\AutoCAD Temp Crap\AcPublish_8216\04 Trestle Redecking Plans.dwg Layout Name: 16 Trestle Redecking Plans - Trestle 4



NOTES

- ALL MEASUREMENTS PROVIDED HEREIN ARE APPROXIMATE AND SHOULD NOT BE ASSUMED TO REPLACE A PROFESSIONAL SURVEY.
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LEGEND

- * INDIVIDUAL GIRDER MEMBER LENGTHS VARY BETWEEN SINGLE AND 2-SPAN CONTINUOUS. THE MEMBER ENDS ARE STAGGERED AT ALL INTERIOR PIERS.
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CAD NO.

02/09/24 DATE

ECM INT. APP.

REVISIONS

Addendum #2 Revisions

1 NO.

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KLICKITAT STATE PARK TRAIL

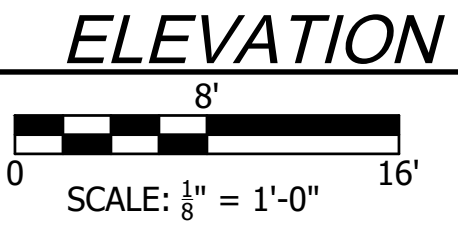
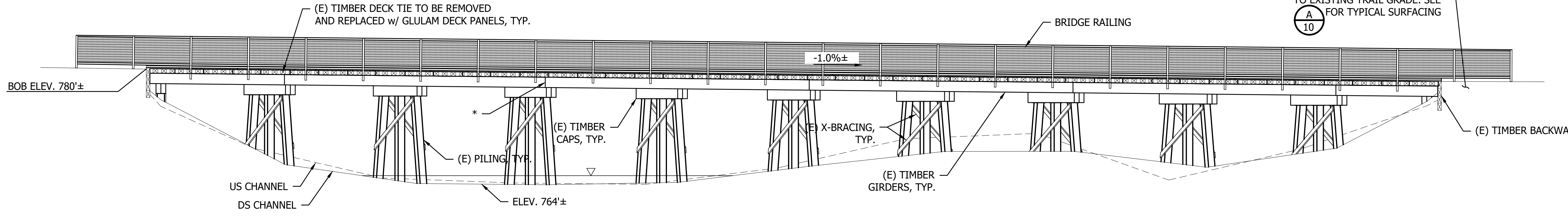
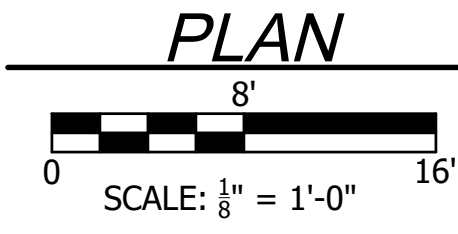
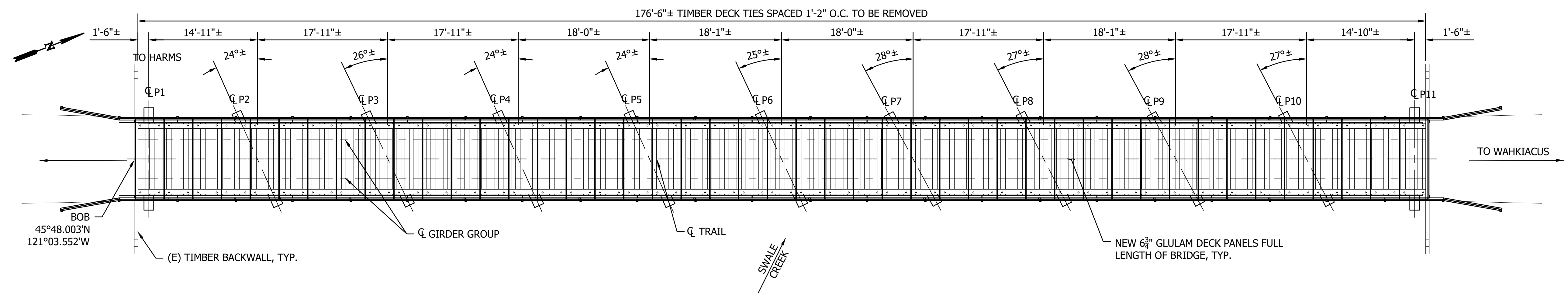
SWALE CANYON TRAIL IMPROVEMENTS

TRESTLE 4 - MP 5.7 PLAN, ELEVATION, & SECTION

SCALE
AS SHOWN

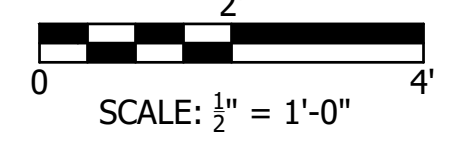
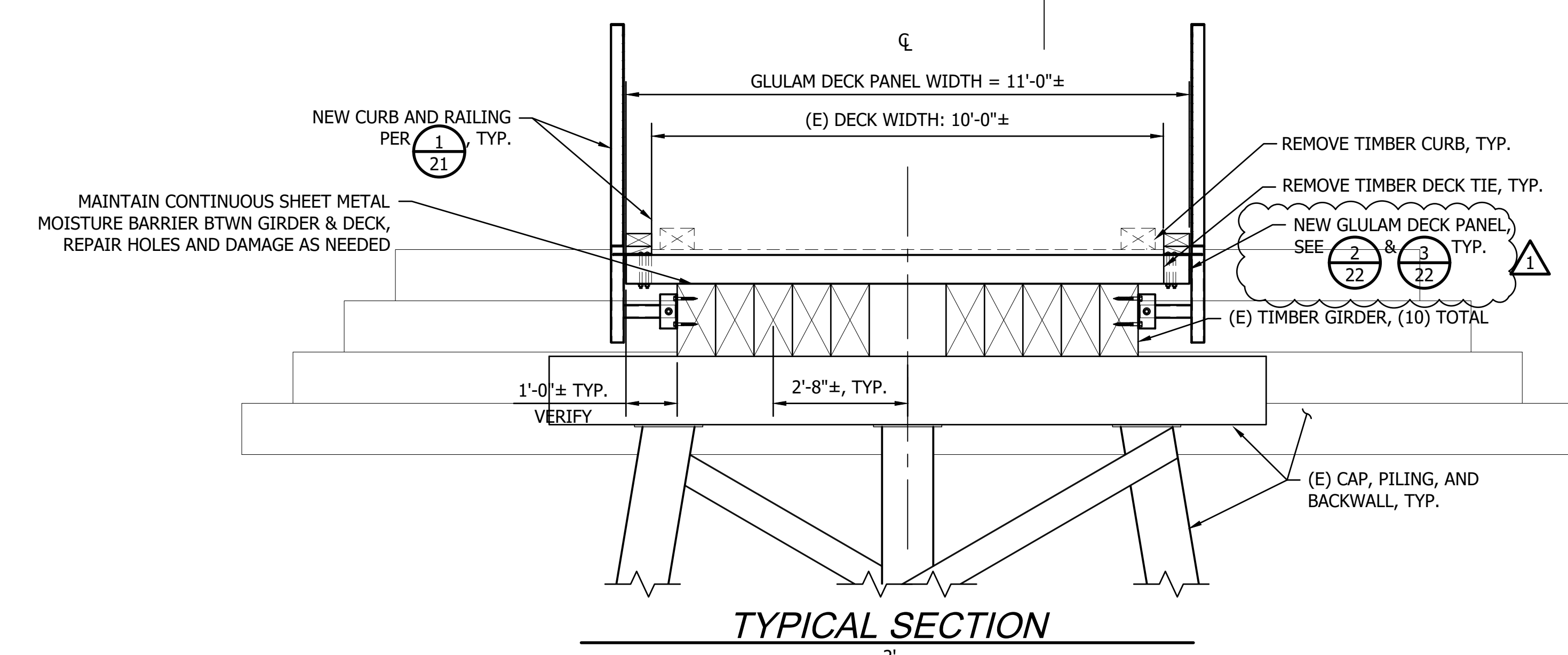
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Plotted: Feb 09, 2024 - 16:39 ErikM C:\Temp\AutoCAD Temp Crap\AcPublish_8216\04 Trestle Redecking Plans.dwg Layout Name: 19 Trestle Redecking Plans - Trestle 8



- NOTES**
- ALL MEASUREMENTS PROVIDED HEREIN ARE APPROXIMATE AND SHOULD NOT BE ASSUMED TO REPLACE A PROFESSIONAL SURVEY.
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- LEGEND**
- * INDIVIDUAL GIRDER MEMBER LENGTHS VARY BETWEEN SINGLE AND 2-SPAN CONTINUOUS. THE MEMBER ENDS ARE STAGGERED AT ALL INTERIOR PIERS.
 - ** TYPICAL GIRDER CONFIGURATION IS SHOWN IN THE SECTION BELOW. SOME SPANS MAY DIFFER FROM THAT SHOWN. CONTRACTOR TO VERIFY.
 - *** NOTE THAT THE SUBSTRUCTURE IS PERPENDICULAR TO THE BRIDGE CENTERLINE AT THE ABUTMENTS ONLY. ALL SUBSTRUCTURE DIMENSIONS GIVEN IN THE SECTION VIEW BELOW ARE ALONG THE CENTERLINE OF THE PILE CAP.



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1	NO.

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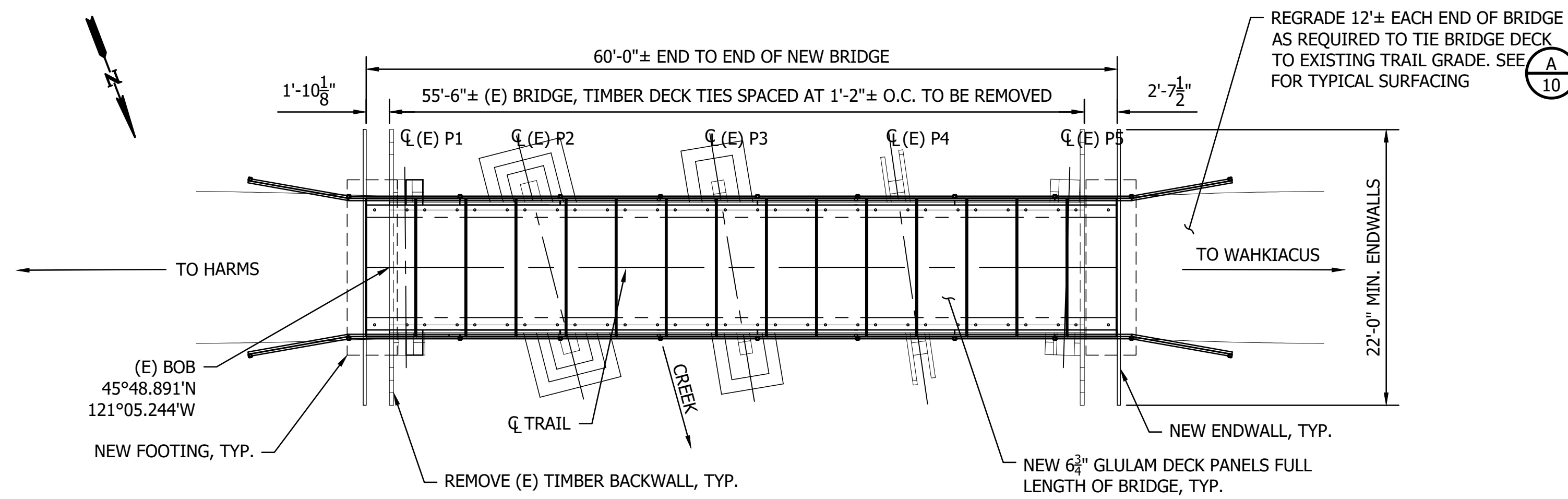
SWALE CANYON TRAIL IMPROVEMENTS

TRESTLE 8 - MP 8.9 PLAN, ELEVATION, & SECTION

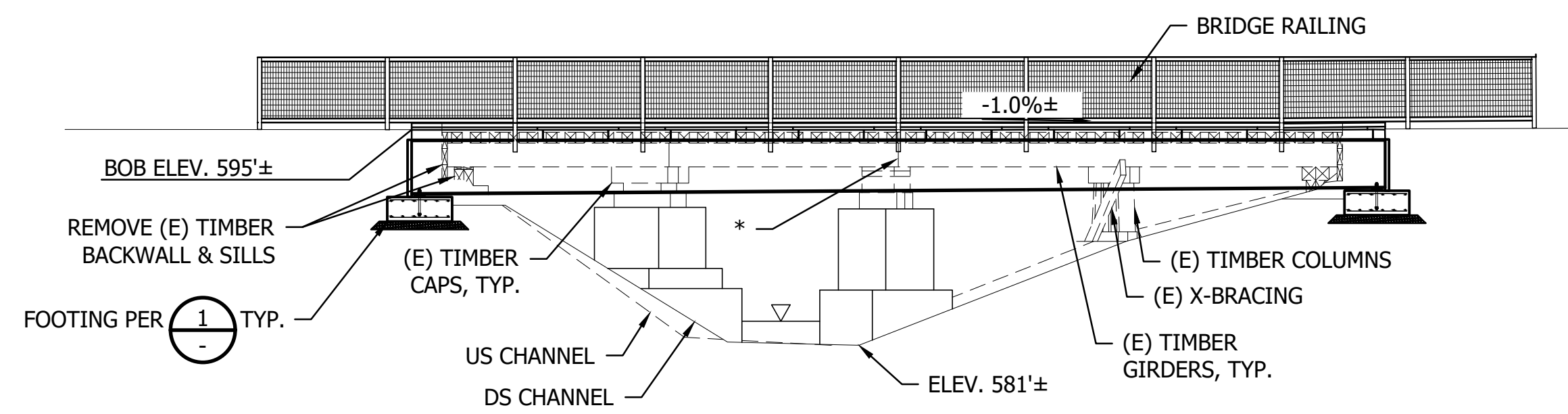
SCALE
AS SHOWN

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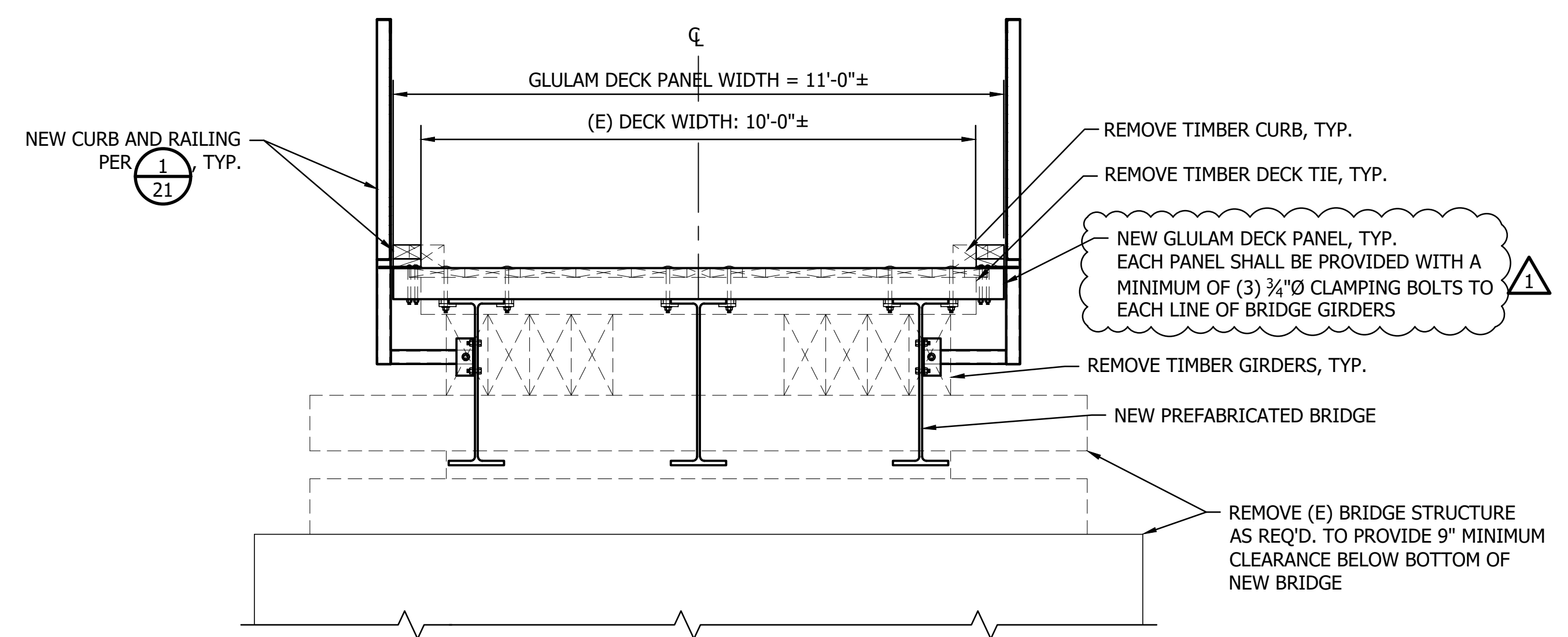
Plotted: Feb 09, 2024 - 17:19 ErikM B:\22Files\A22158.00 WA Parks - Klickitat Trail\Drawings\04 Trestle Redecking Plans.dwg Layout Name: 20 Trestle Redecking Plans - Trestle 9



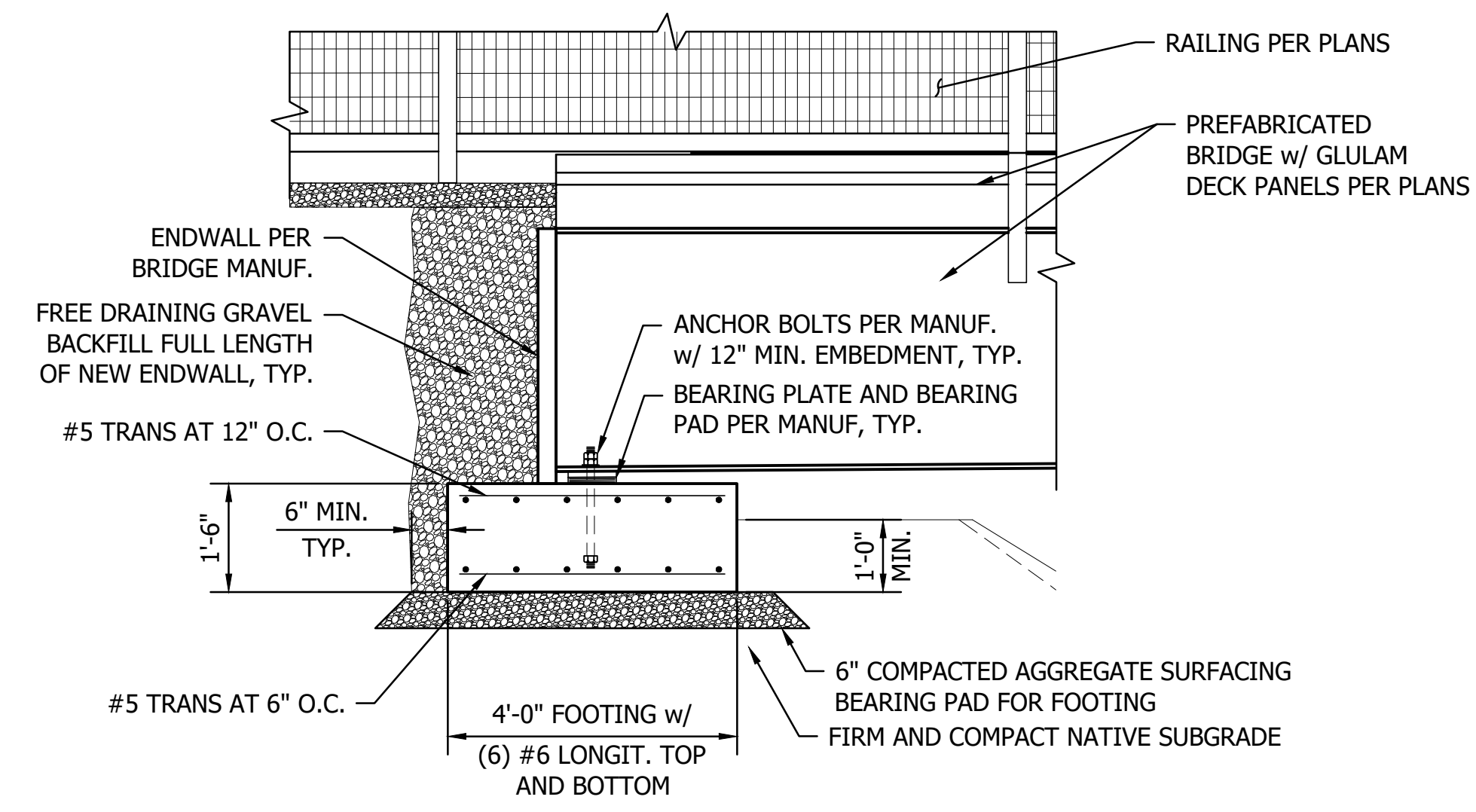
PLAN
 8'
 0 8" = 1'-0" 16'



ELEVATION
 8'
 0 8" = 1'-0" 16'



TYPICAL SECTION
 2'
 0 2" = 1'-0" 4'



1 TYPICAL FOOTING

NOTES

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LEGEND

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TRESTLE 9 - MP 10.8 PLAN, ELEVATION, & SECTION

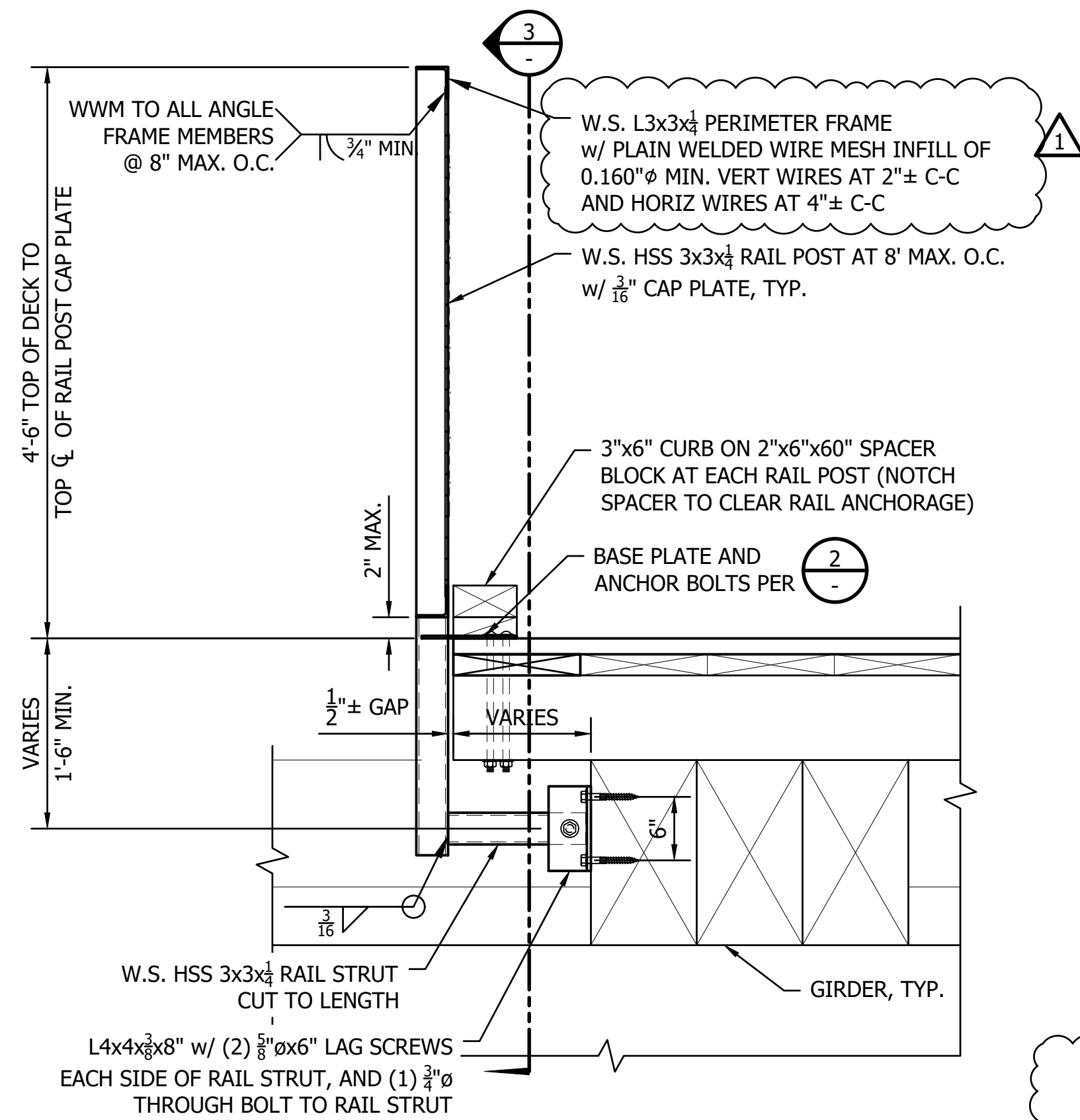
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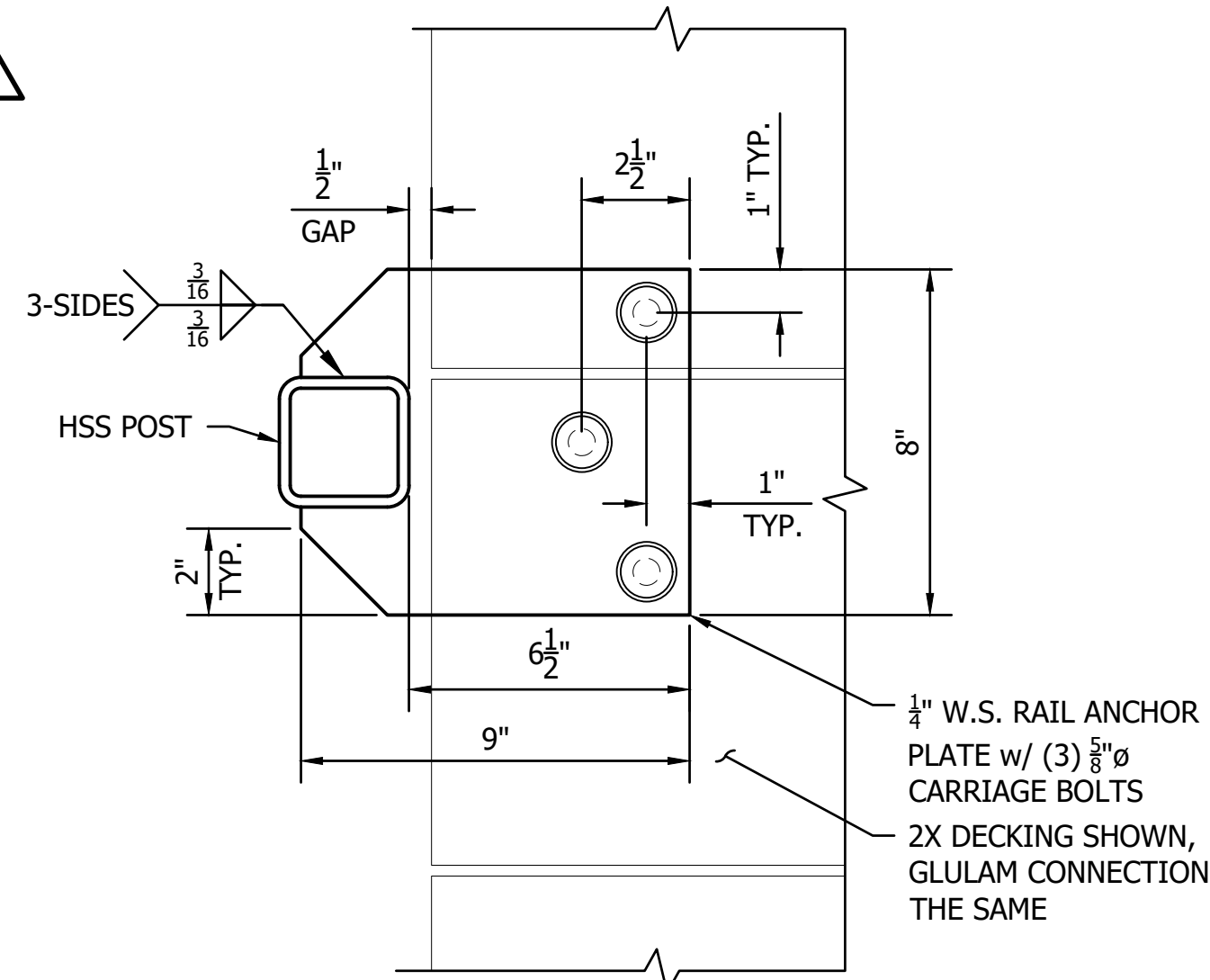
RAIL NOTES

DESIGN:
DESIGN LOAD: AASHTO PEDESTRIAN LOAD
ERECTION:

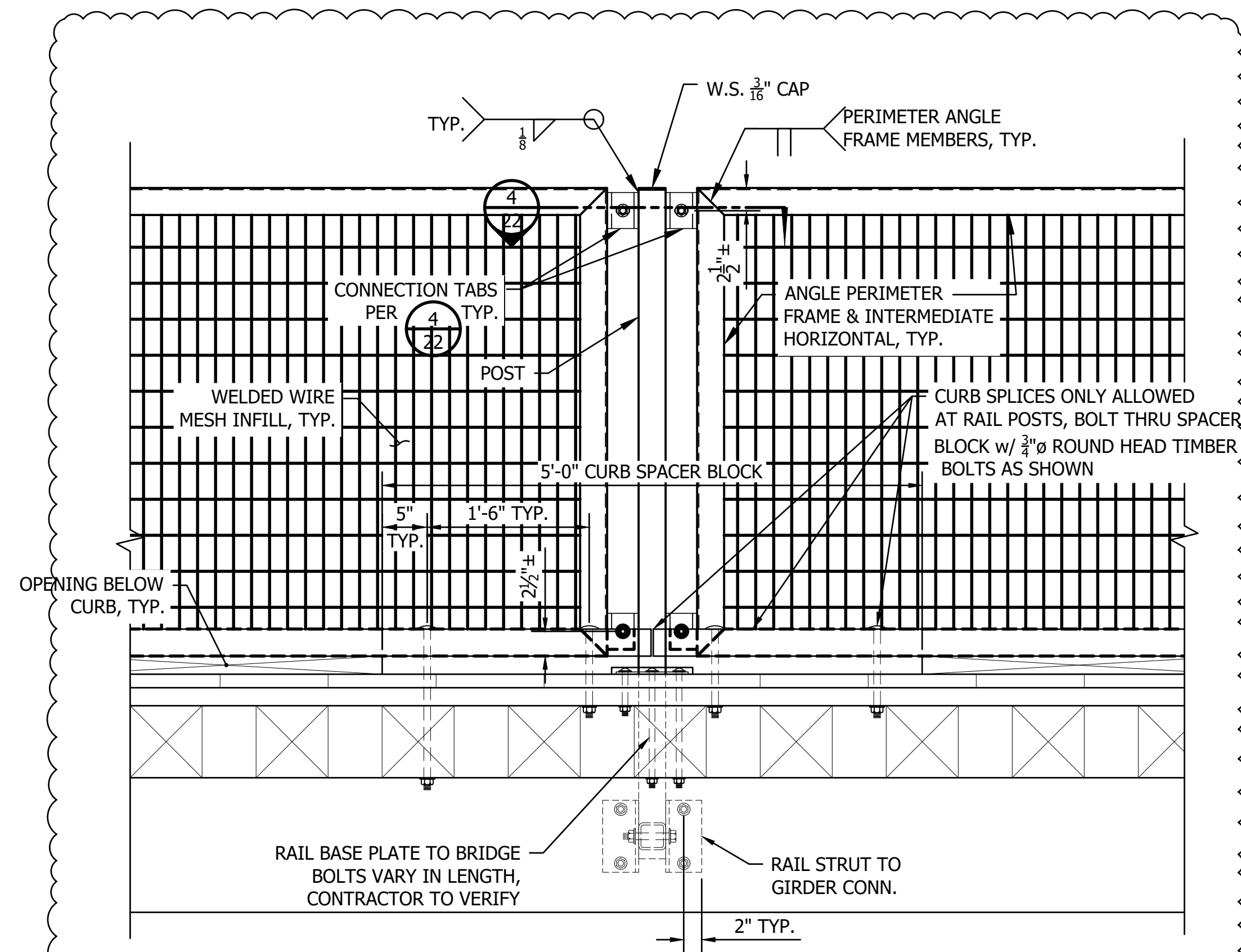
- ALL STEEL FRAMING FOR THE NEW PEDESTRIAN RAILING SHALL BE WEATHERING STEEL (W.S.) UNLESS NOTED OTHERWISE.
- NO FIELD CUTTING IS PERMITTED UNLESS APPROVED BY THE ENGINEER. ERECT ALL RAIL POSTS PERPENDICULAR TO GRADE AND ERECT THE RAILING PARALLEL TO GRADE (SQUARE TO POSTS). THE COMPLETED INSTALLATION SHOULD NOT REFLECT ANY UNEVENNESS IN THE STRUCTURE. SHIMS MAY BE INSTALLED BELOW THE RAIL POST BASE PLATES WHERE NEEDED.
- PRE-BORE HOLES IN ALL STEEL.
- ENSURE RED THREAD LOCKER IS USED ON ALL RAIL PANEL TO RAIL POST BOLTED CONNECTIONS, UNLESS NOTED OTHERWISE.



1 TYPICAL RAILING

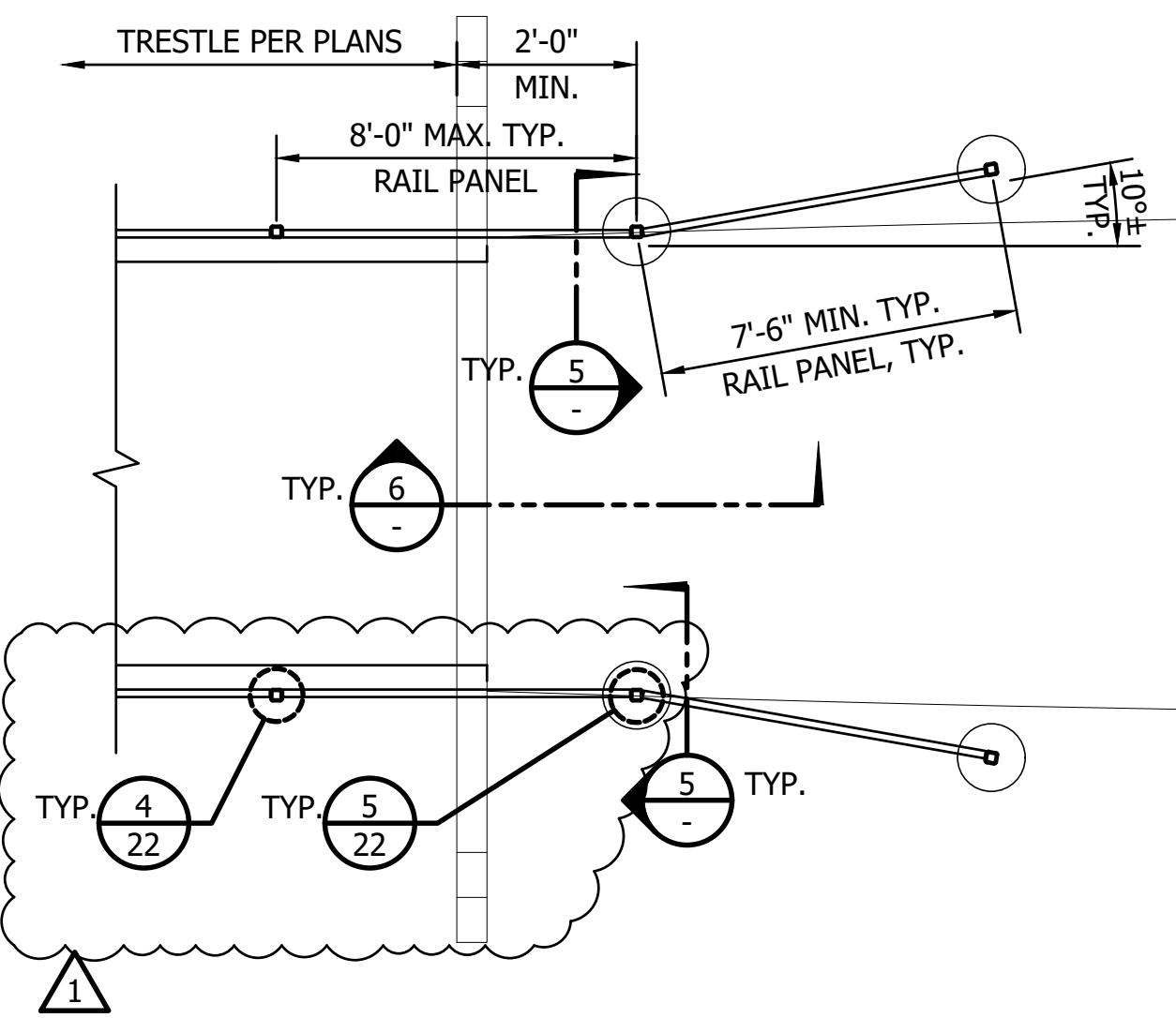


2 RAIL BASE PLATE

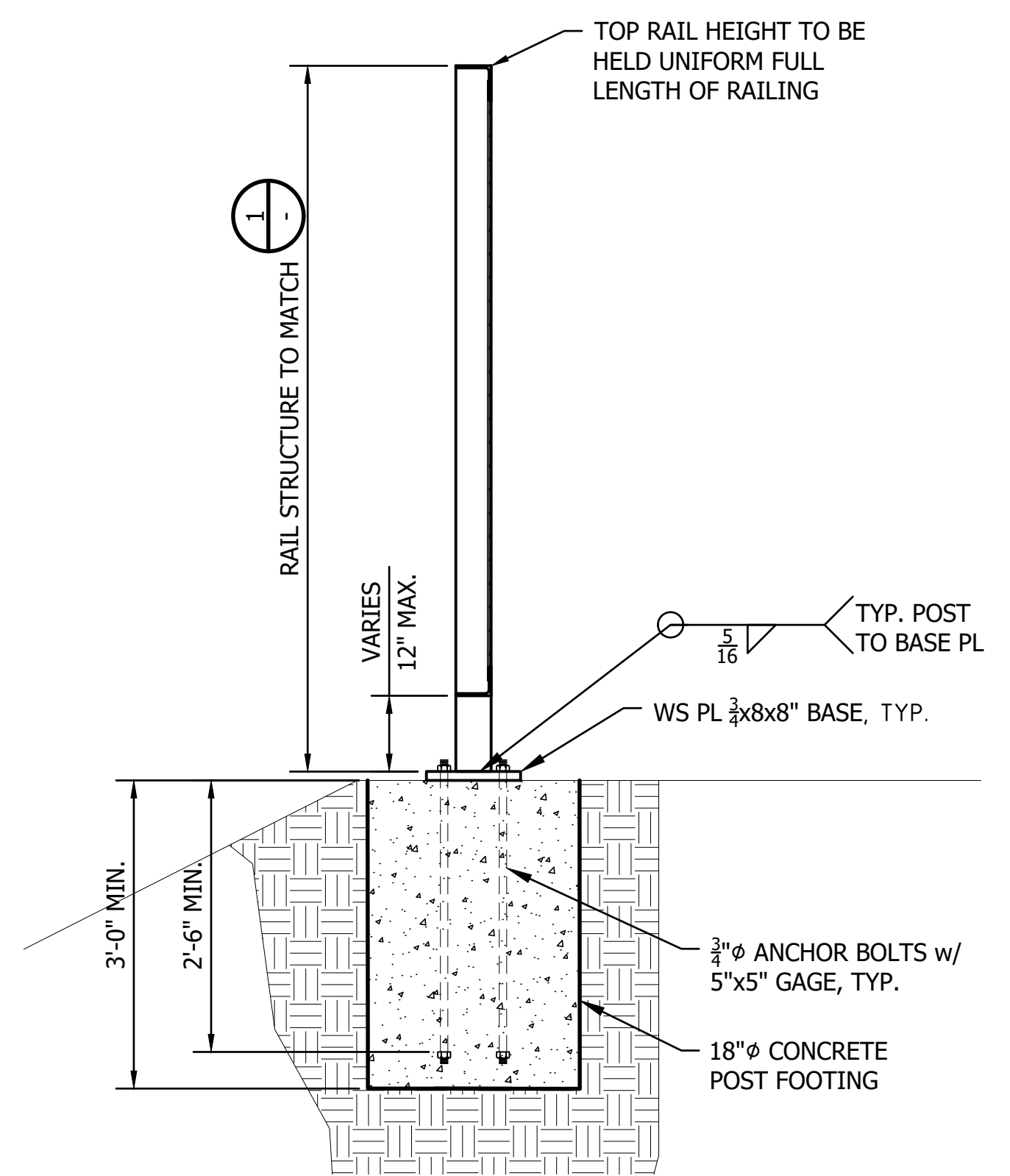


3 TYPICAL RAILING ELEVATION

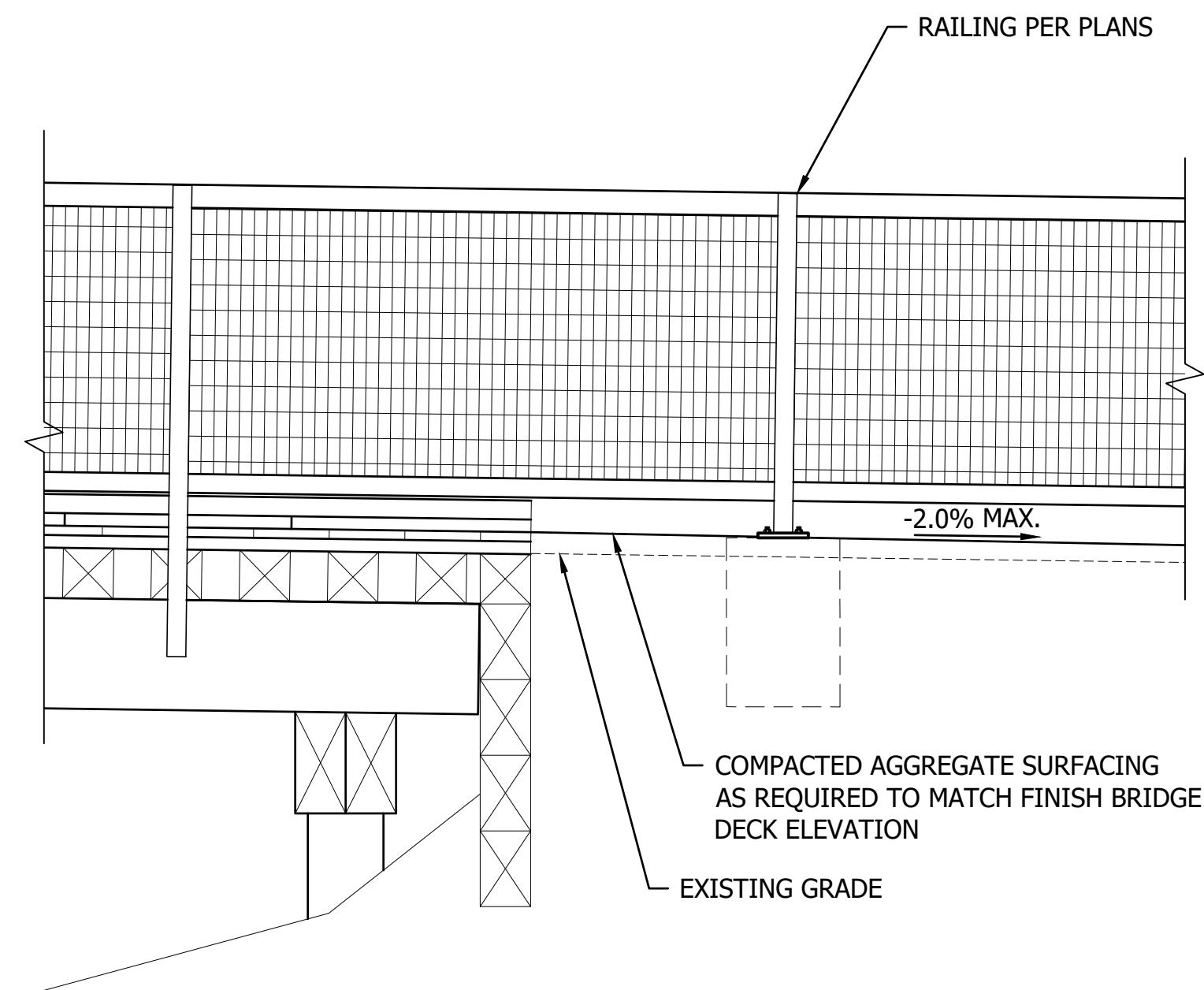
TIMBER DECK TIE STRUCTURE SHOWN. GLULAM DECK SIMILAR.



4 TYPICAL APPROACH RAILING



5 APPROACH RAIL FOOTING



6 TYPICAL APPROACH FILL

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REVISIONS		Addendum #2 Revisions	REVISIONS
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KLICKITAT STATE
 PARK TRAIL

SWALE CANYON
 TRAIL
 IMPROVEMENTS

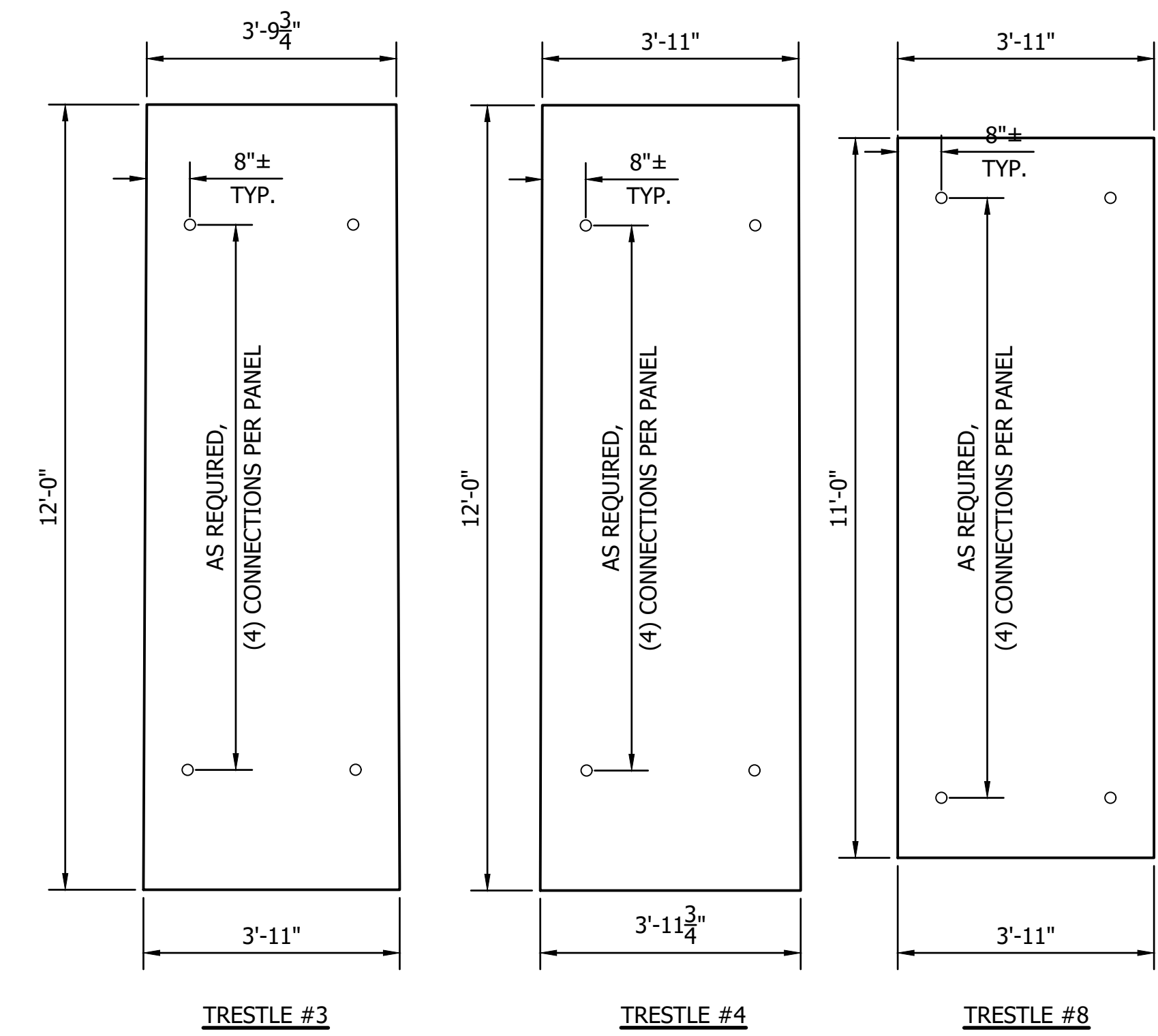
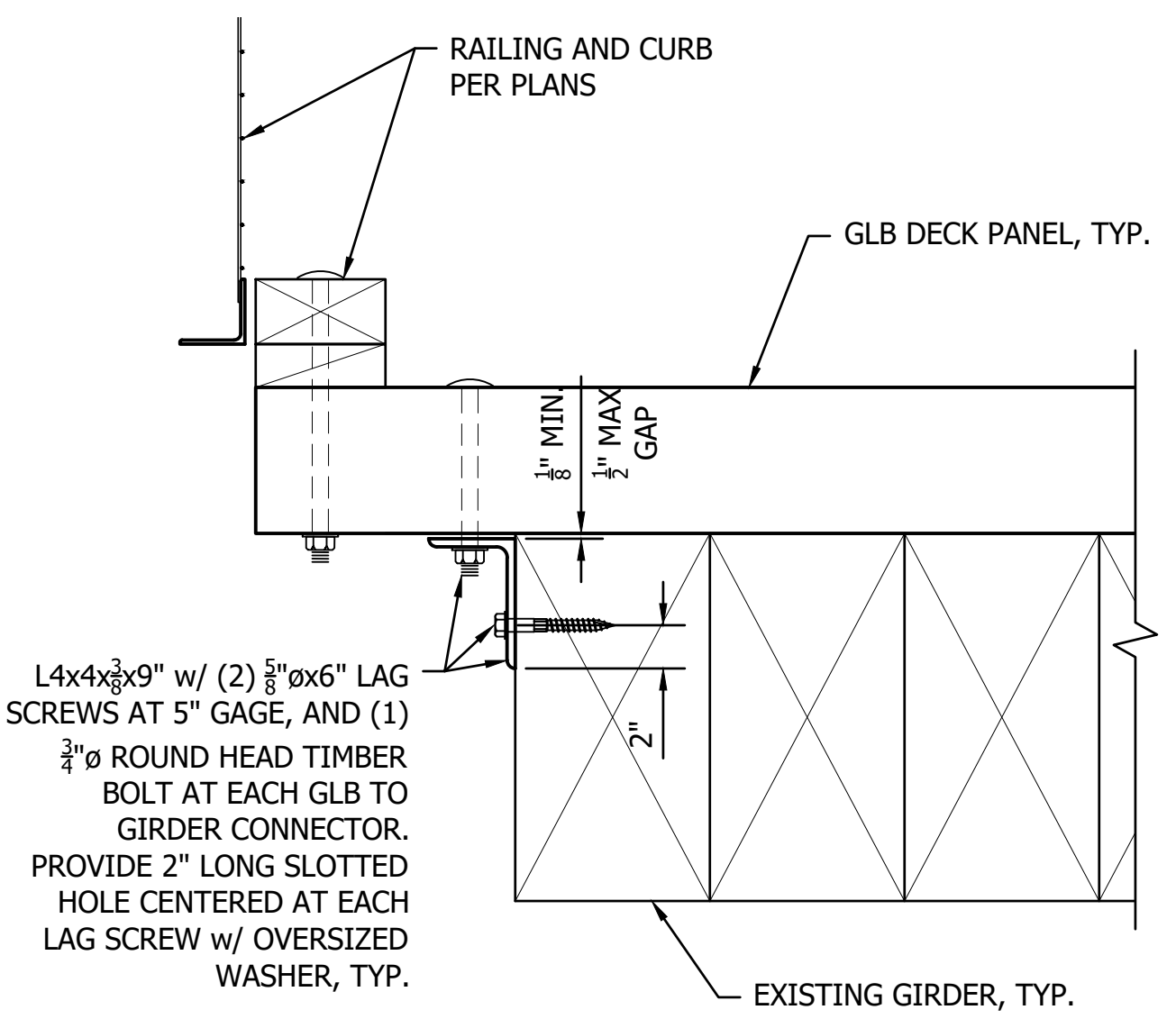
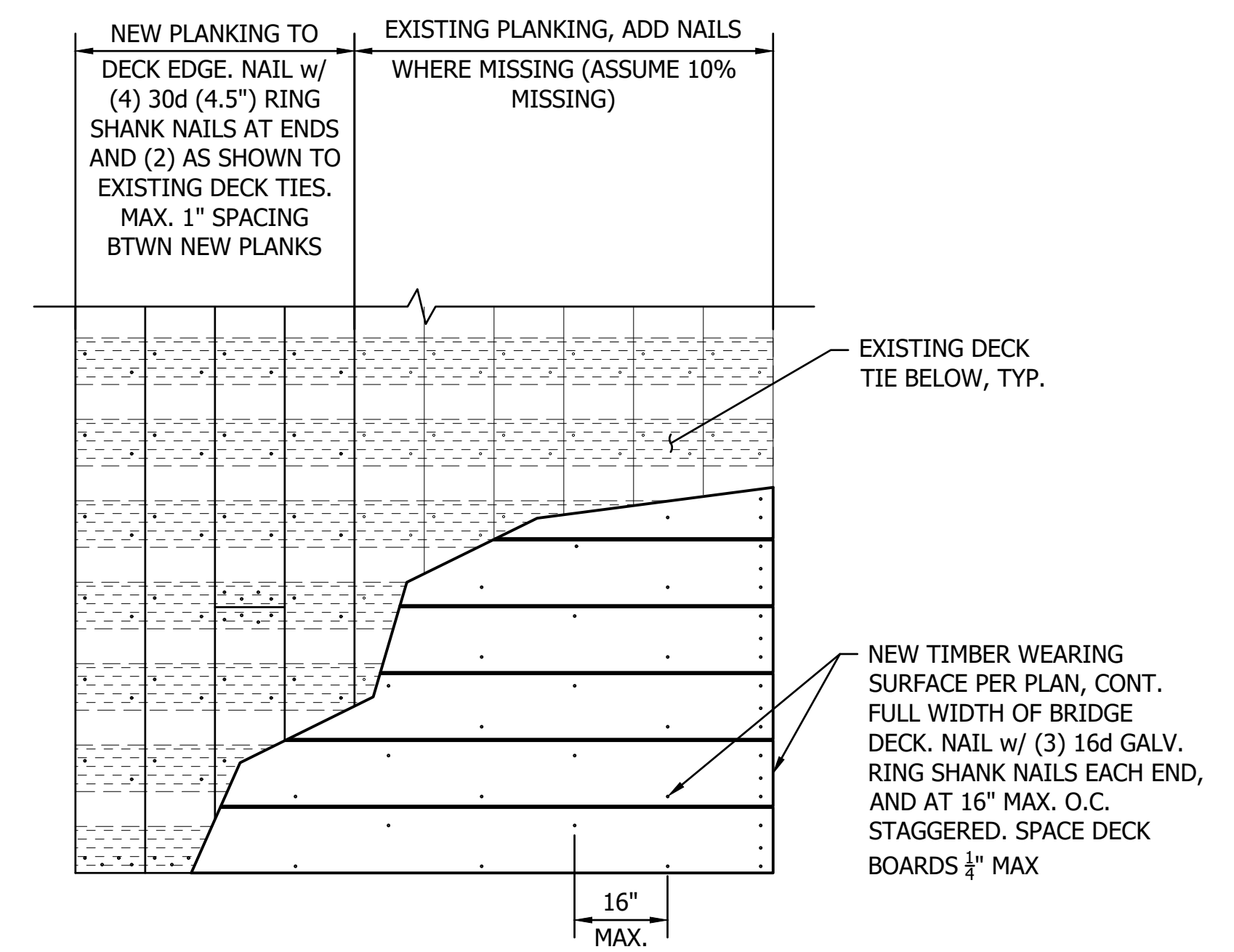
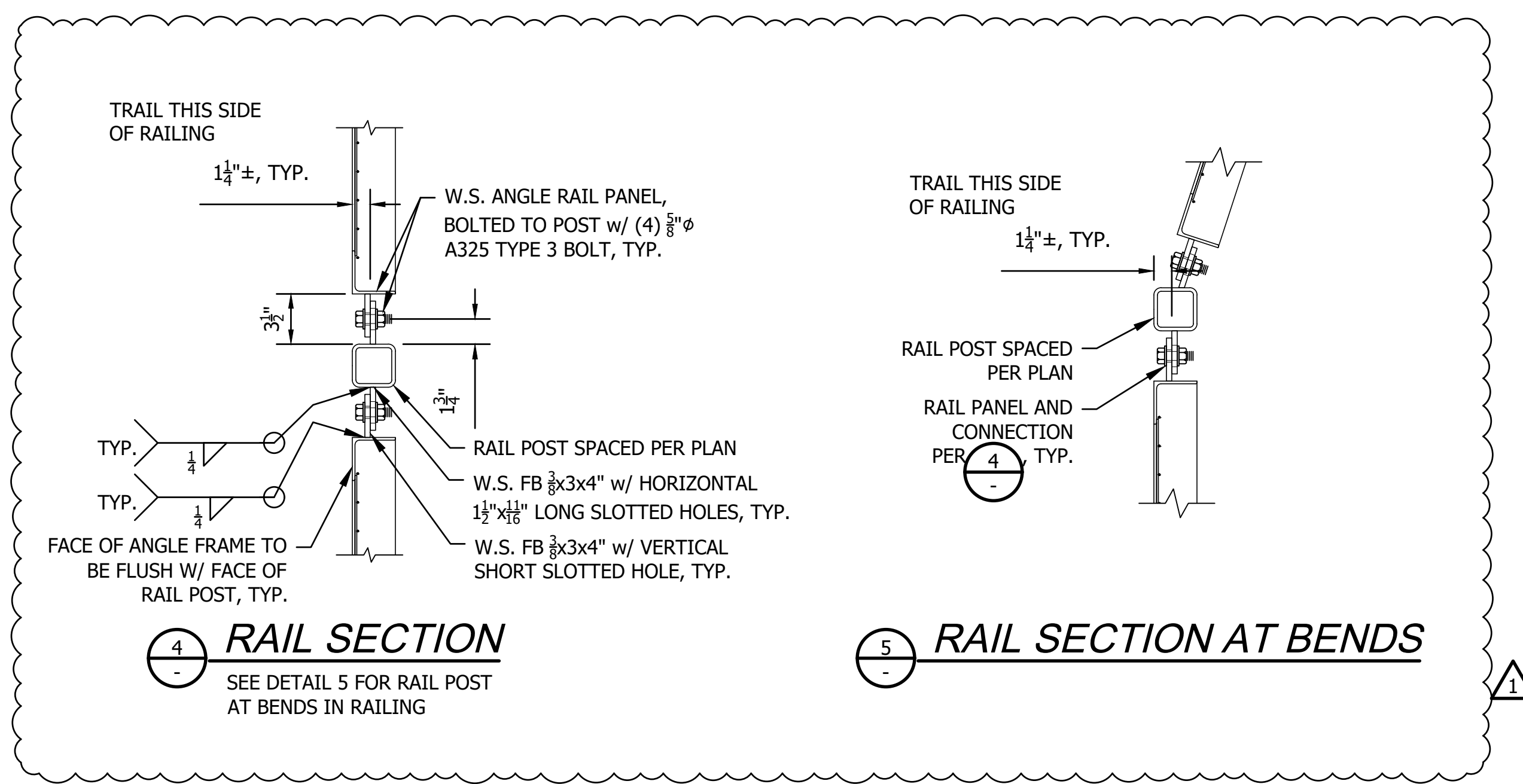
TRESTLE RAILING DETAILS

SCALE
NOT TO SCALE

PARKS FILE#

Plotted: Feb 09, 2024 - 16:39
 ErilM C:\Temp\AutoCAD Temp Crap\AcPublish_8216\04 Trestle Redecking Plans.dwg Layout Name: 21 Trestle Redecking Plans - Trestle Railing Details

Plotted: Feb 09, 2024 - 16:39 ErikM C:\Temp\AutoCAD Temp Crap\AcPublish_8216\04 Trestle Redecking Plans.dwg Layout Name: 22 Trestle Redecking Plans - Trestle Decking Details



1 TYPICAL PLANKING/WEARING SURFACE

2 TYPICAL GLULAM DECK CONNS
DECKING CONNECTIONS FOR PREMANUFACTURED BRIDGE SHALL BE PER THE BRIDGE MANUFACTURER

3 TYPICAL GLULAM DECK PANELS

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02/09/24	DATE
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TRESTLE DECKING DETAILS

SCALE
NOT TO SCALE

PARKS FILE#