



ADDENDUM NO. 1

Date: October 1, 2015

Distribution: Bidders via <http://purchasing.sc.edu>

Project: USCA Pedestrian Bridge
Project Number: H29-9545-PG

This document comprises Addendum No. 1, and forms a part of the Contract Documents and modifies the original bidding documents as noted herein. Acknowledgement of the receipt of this Addendum in the space indicated on the Proposal Form is required. Failure to do so may subject Bidder to disqualification.

- 1) The drawings reference a ½" 9 gage vinyl-coated minimesh fence but then state openings no larger than 2". Can you please confirm which maximum opening size is correct (1/2" or 2")?

Answer: Per A1.0 the cage is to be 1" 11 gauge vinyl coated. Disregard the reference to ½" 9 gage fence located on sheet S4.0.

- 2) The specifications require the use of a NS2 paint system as indicated in the SCDOT Standard Specifications. Our coatings supplier has recommended the use of an NS1 system if possible, as it will show less damage during shipment and also provide a better service life. Will this be acceptable?

Answer: NS1 is an acceptable alternative.

3) On page 273 section 2.5 fencing it suggests the fencing shall be factory installed prior to shipping. Is this required or can the fencing be installed after the bridge is installed?

Answer: We do not have an objection to the fencing (mesh) being installed after bridge installation. Please note that any work being performed over the highway will require the appropriate lane closures to be coordinated with SCDOT.

4) What color is the vinyl coated chain link fence to be?

Answer: The color will be selected from the palette of standard manufacturer colors available. The color black must be an option.

5) The specifications call out for H5 vehicular loading. Is H5 loading required and/or necessary?

Answer: H5 design loading is required.

6) The specification call out for an open truss while the drawings indicate a bow string – Will an H truss or Underhung truss be acceptable provided that it meets the min 18' over road clearance?

Answer: The bridge shall be a bowstring truss to match the design intention illustrated in the drawings. Special Specifications for Prefabricated Bridge Section 2.3 -disregard the reference to open truss bridge in the pre-fabricated bridge specification. Owner preferred bridge is the bowstring type as indicated on the drawings.

7) Does the bridge manufacturer need to paint the bridge in-house?

Answer: For quality control the bridge needs to be painted in-house and only damaged spots will need to be field painted in accordance with SCDOT specifications.

SPECIAL SPECIFICATIONS FOR PREFABRICATED BRIDGE

1.0 GENERAL

1.1 Scope

These specifications are for a fully engineered clear span bridge of steel construction and shall be regarded as minimum standards for design and construction.

1.2 Qualified Suppliers

Each bidder is required to identify their intended bridge supplier as part of the bid submittal. Qualified suppliers must have at least 5 years experience fabricating these type structures.

The contractor must provide the following documentation at least 10 days prior to bid:

- * Product Literature
- * All documentation to insure the proposed substitution will be in compliance with these specifications. This shall include:
 - Representative design calculations, including, but not limited to bridge end reaction forces.
 - Representative drawings
 - Splicing and erection procedures
 - Warranty information
 - Inspection and Maintenance procedures
 - AISC Shop Certification
 - Welder Qualifications

The owner's representative will evaluate and verify the accuracy of the submittal prior to bid. If the engineer determines that the qualifying criteria have not been met, the contractor's proposed supplier shall be rejected.

2.0 GENERAL FEATURES OF DESIGN

2.1 Span

Bridge span shall be 136'-9" measured from beginning bridge to end bridge (straight line dimension), see plan for details.

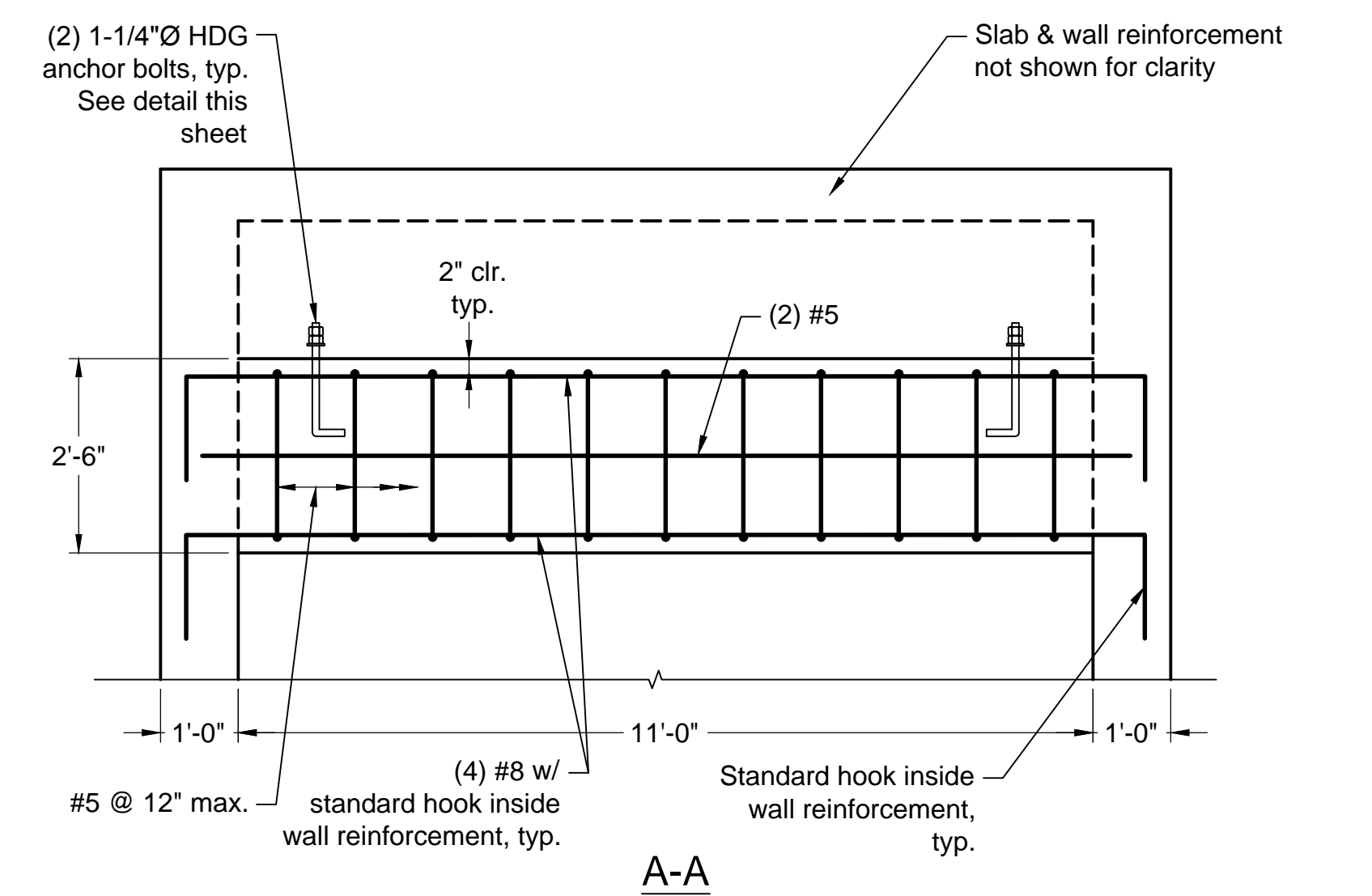
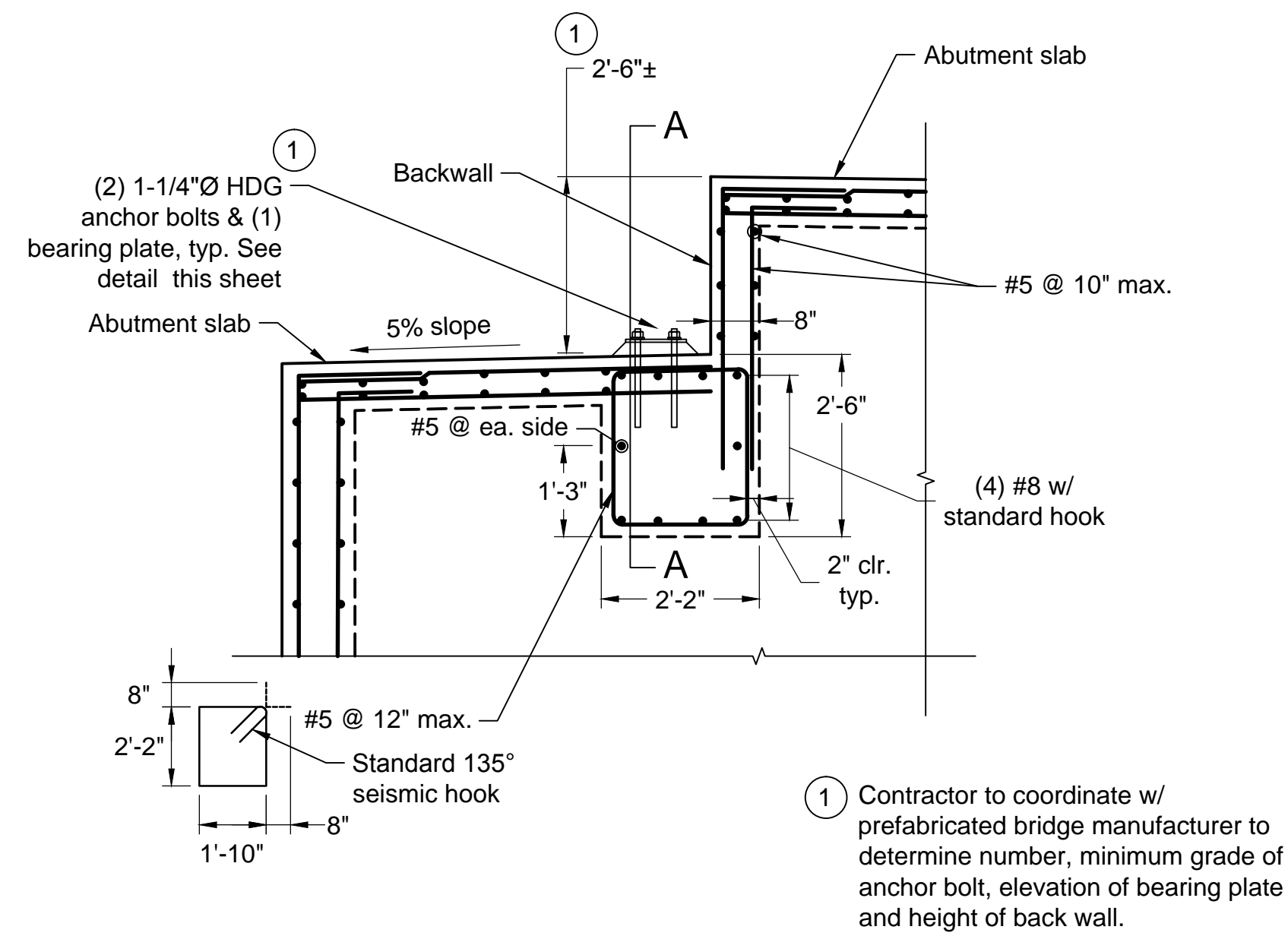
2.2 Width

Bridge width shall be 10'-0" and shall be the clear width as measured between the nearest faces of the bridge railing or fence, whichever provides the minimum width.

2.3 Bridge System Type

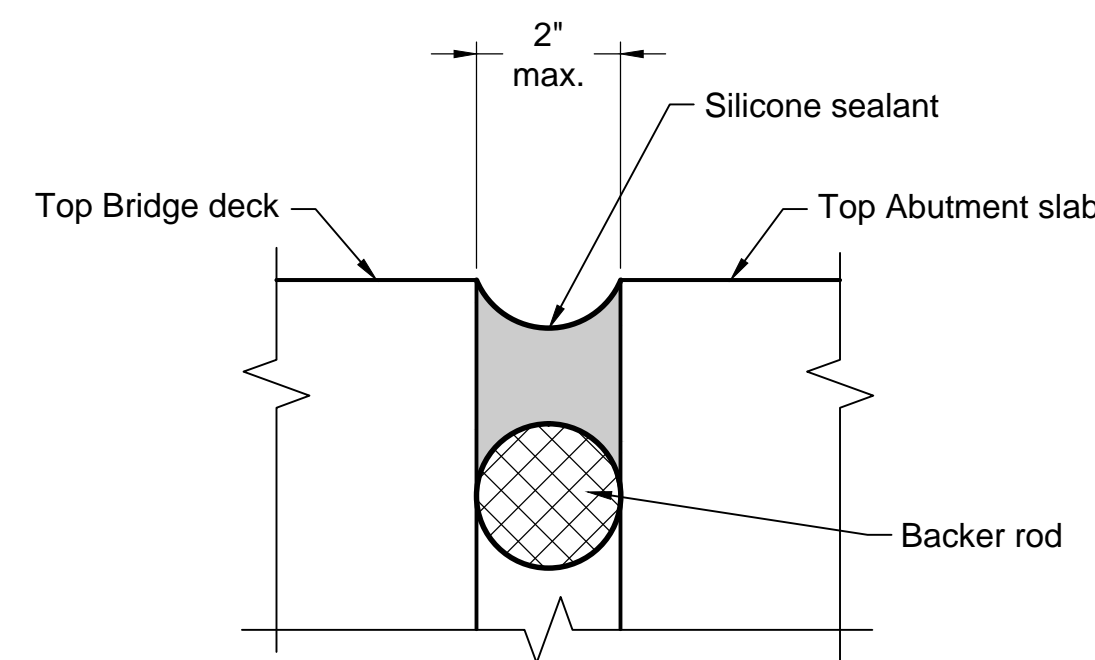
Bridge(s) shall be designed as an ~~open truss~~ **bowstring** bridge (see drawing for schematic presentations) (or approved equal by owner's representatives).

- 2.3.1 Bridge minimum low chord elevation (after allowance for dead and live load) shall meet the minimum vertical clearance of 18 feet measured from top of the proposed roadway underneath the bridge (see drawings).
- 2.3.2 The distance from the top of the deck to the top and bottom truss members shall be determined by the bridge manufacturer based upon structural and/or shipping requirements.



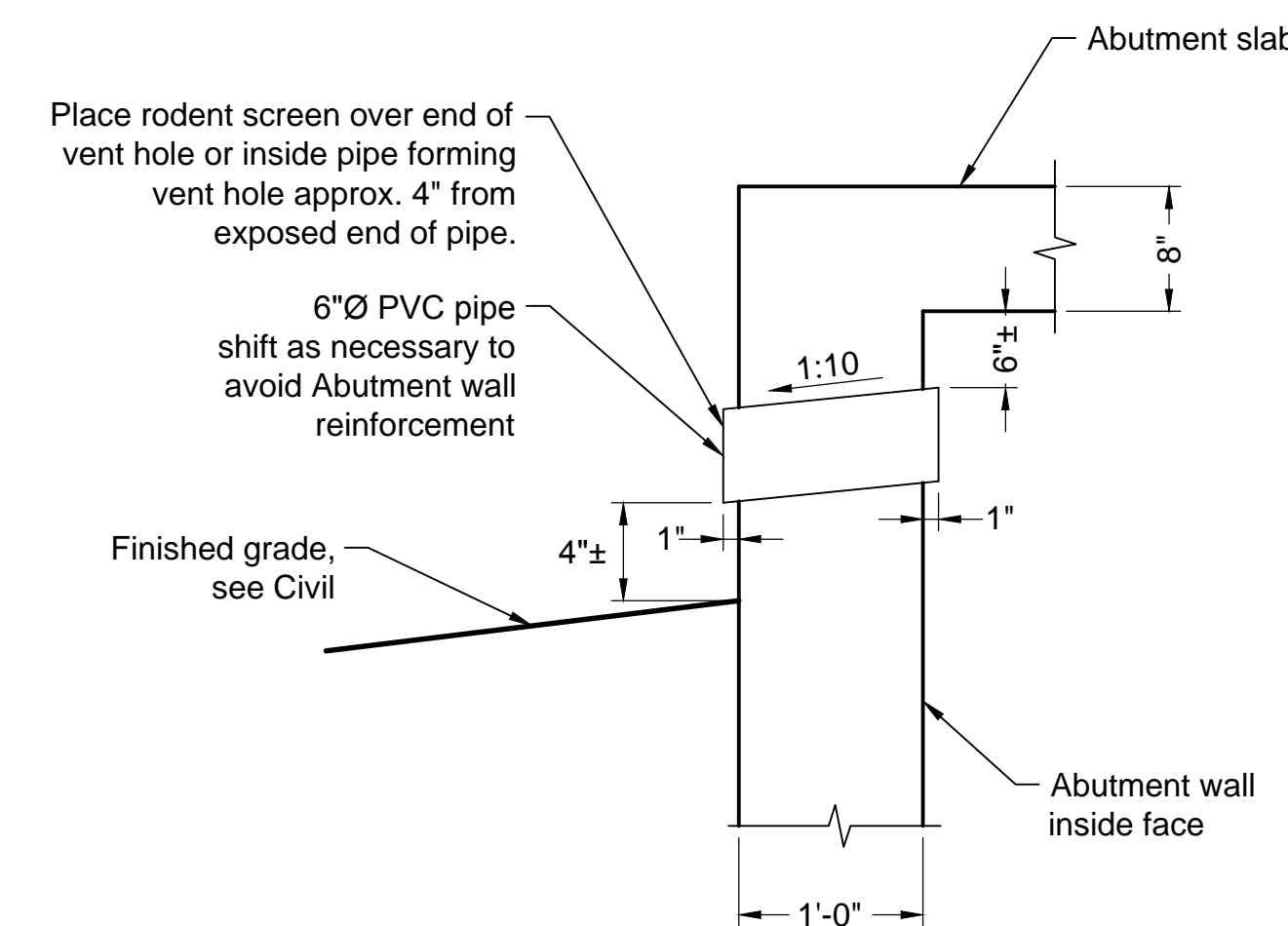
1 - Bearing Beam & Backwall Detail

Scale: 1/2" = 1'-0"



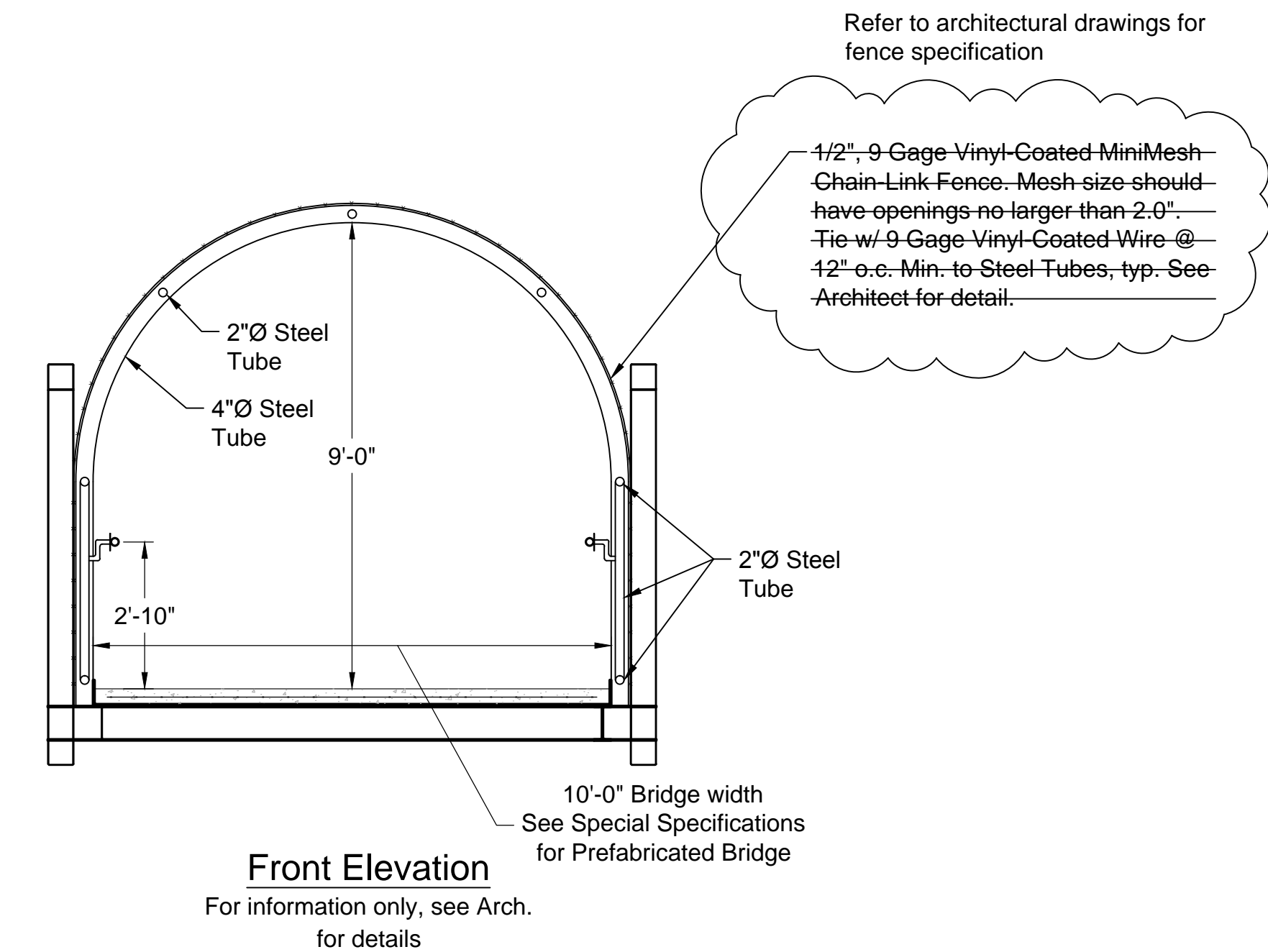
2 - Expansion Joint Detail

Scale: NTS



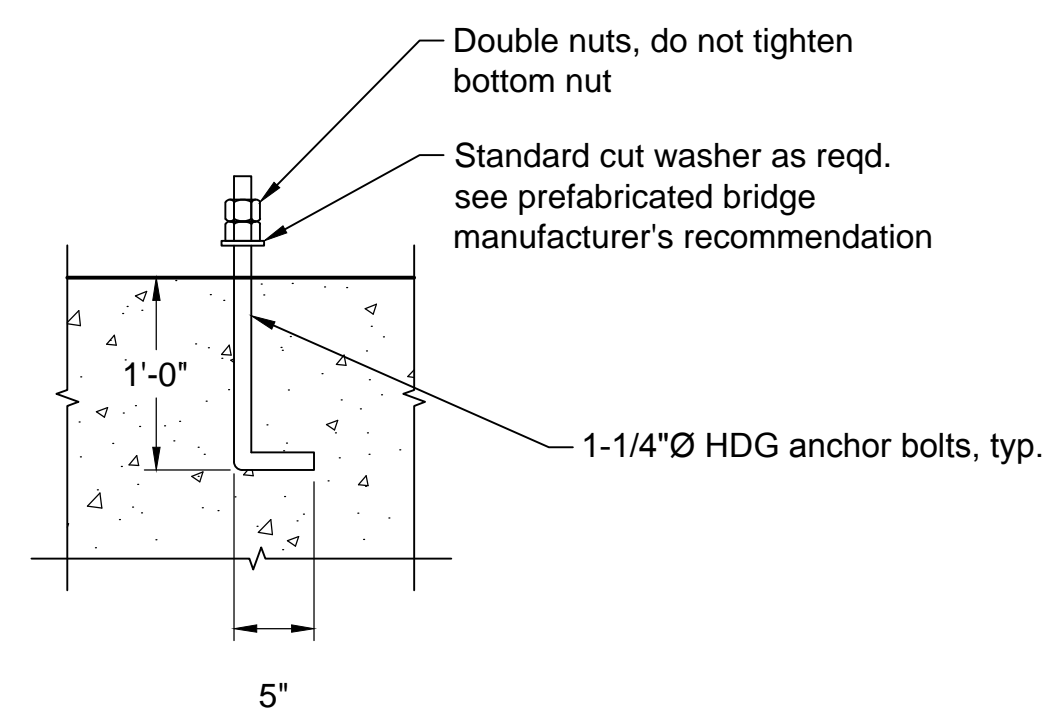
3 - Vent Hole Detail

Scale: NTS



4 -Railing and Fencing Elevations

Scale: NTS



5 - Anchor Bolt Detail

Scale: NTS



Chao & Associates, Inc.

Civil - Structural - Survey
7 Clusters Court
Columbia, SC 29210
Voice: (803) 772-8420
Fax: (803) 772-9120
Email: consult@chaoinc.com



Miscellaneous Details
USCA Pedestrian Bridge
State Project No. H29-9545-PG
University of South Carolina
Aiken County, SC

Drawn: MAB Checked: DC

Revised:

Project No.: 391402F
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S4.0

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