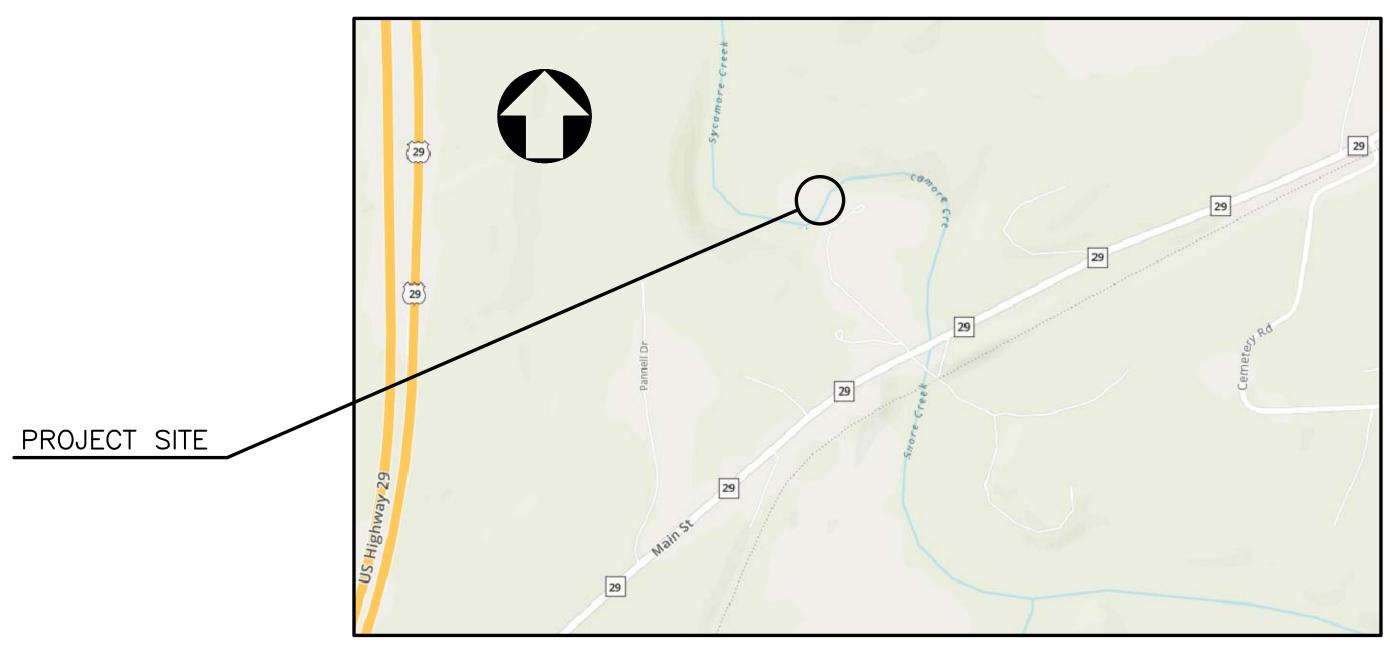


PITTSYLVANIA COUNTY, VIRGINIA

PARKS AND RECREATION

PROPOSED BRIDGE REPAIR OF PEDESTRIAN SUSPENSION BRIDGE PITTSYLAVANIA WAYSIDE PARK OVER SYCAMORE CREEK



GENERAL CONSTRUCTION NOTE:

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATIONS, VDOT ROAD AND BRIDGE SPECIFICATIONS, 2020 AND VDOT ROAD AND BRIDGE STANDARDS, 2020.

LEGEND

 EXISTING OBJECT LINES
 PROPOSED OBJECT LINES
 EXISTING REINF. STEEL
 PROPOSED REINF. STEEL
 CUTTING PLANE LINE
 CENTER LINE
 HIDDEN LINES

(Not to Scale)

No.	Description REVISIONS For Table of Revision	Date	R.W. SCHWARTZ Lic. No. 4291
	see Sheet 2.	ns,	COMM. NO. 2020019

SCHWARTZ & ASSOCIATES, INC.

CONSULTING ENGINEERS

7331 TIMBERLAKE ROAD

LYNCHBURG, VA.

PEDESTRIAN BRIDGE OVER SYCAMORE CREEK PITTSYLVANIA COUNTY WAYSIDE PARK COVER

DESIGNED BY: MBH DRAWN BY: MBH CHECKED BY: RWS

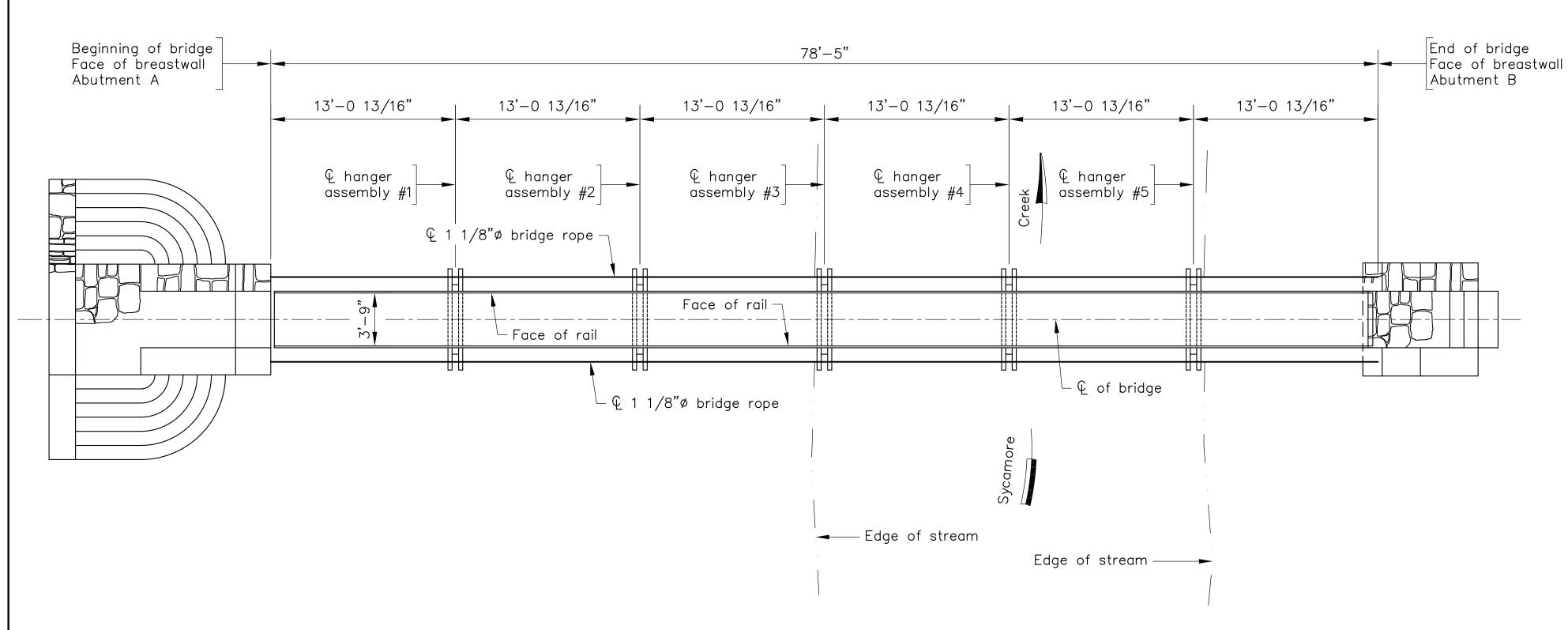
SCALE: AS NOTED PLAN NO.: N/A

DATE: October 16,2021 SHEET: 1 OF 8

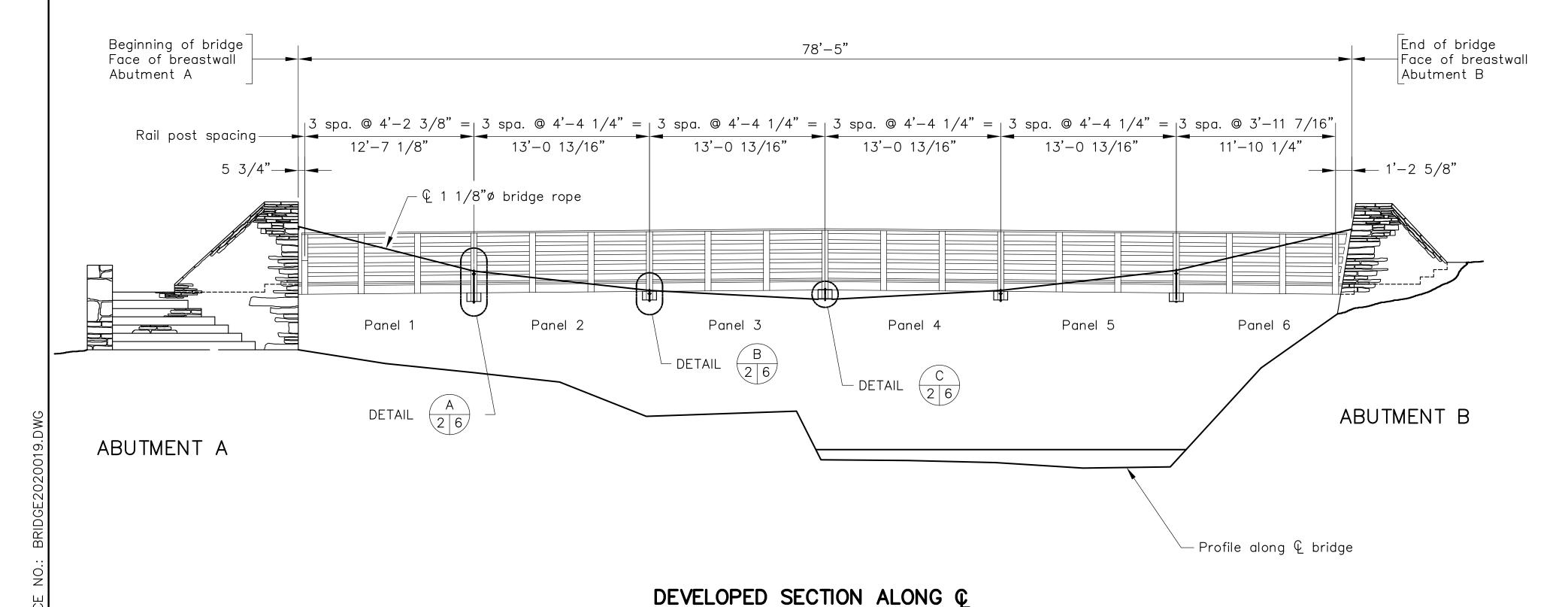
Scale: 3/32" = 1'-0" unless otherwise shown.

CADD REFERENCE NO .: BRID





PLAN



GENERAL NOTE:

Widths: 3'-9" clear walkway

Span layout: 1 - 78' - 5'' cable suspension span

Capacity: 34 max people

Specifications:

Construction: Virginia Department of Transportation Road and Bridge Specifications, 2020.

Standards: Virginia Department of Transportation Road and Bridge Standards, 2016 including all current revisions.

All timber shall be treated in accordance with the current Virginia Department of Transportation "Road and Bridge Specifications, 2020", Section 236.

All structural timber and lumber shall be treated, southern pine 1,550 FB minimum and meet all requirements of Section 236 of the Road and Bridge Specifications

Suspension Cable 1 1/8"Ø shall be ASTM A603 galvanized structural bridge rope (construction 7x1 or 6x25) Class C coating throughout.

Closed Bridge sockets shall be ASTM A148 Steel, grade 105—85, be galvanized and equal to CBSI clodfelter 2600 closed series.

Open strand sockets shall be ASTM A148 steel, grade 105—85, be galvanized and equal to CBSI clodfelter Z400 series.

These plans are incomplete unless accompanied by the Supplemental Specifications and Special Provisions included in the contract documents.

This project is to be constructed in accordance with the Virginia Department of Transportation Work Area Protection Manual, August 2011 and current revisions.

The Contractor shall submit to the Engineer a detailed plan for containing construction related material (i.e. timber, steel, etc.) and preventing its entry into Sycamore Creek. This work shall be included in the price bid for appropriate bid items.

The Contractor shall plan and execute the work such that no more than 10,000 square feet of land disturbance occurs at any given time.

The Contractor shall provide the Engineer safe access to all areas of work throughout course of construction and for final inspection after all work is complete.

The contractor shall use all new bolts, washers and nuts.

All steel material including bolts, washers, nuts, screws, and miscellaneous metals shall be galvanized as per ASTM A123.

All structural steel shapes including channels, angles and plates shall be ASTM A36, all round structural shapes shall be ASTM A500 grade B.

The contractor shall verify in the field all dimensions necessary for construction of the project (before fabrication).

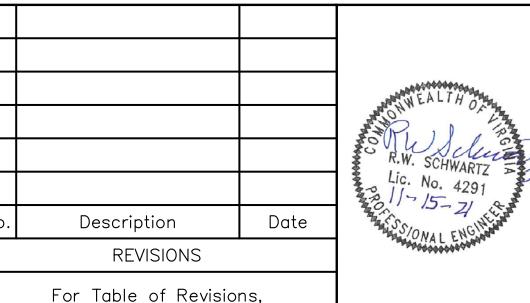
Before proceeding with any work within or adjacent to the existing structure, the contractor shall become familiar with existing conditions. During construction operations, it shall be the contractor's responsibility to maintain the integrity of the existing structure where the existing structure is modified to accommodate new construction, and to protect from damage those portions of the structure which are to remain.

Contractor shall take extreme caution in his operations so that no damage is done to utilities in the vicinity of bridge or on the bridge.

The contractor shall verify, in field all dimensions, skew and elevations before beginning construction and before submitting shop drawings.

General Note continued on sheet 3.

see Sheet 2.





SCHWARTZ & ASSOCIATES, INC.

CONSULTING ENGINEERS

7331 TIMBERLAKE ROAD

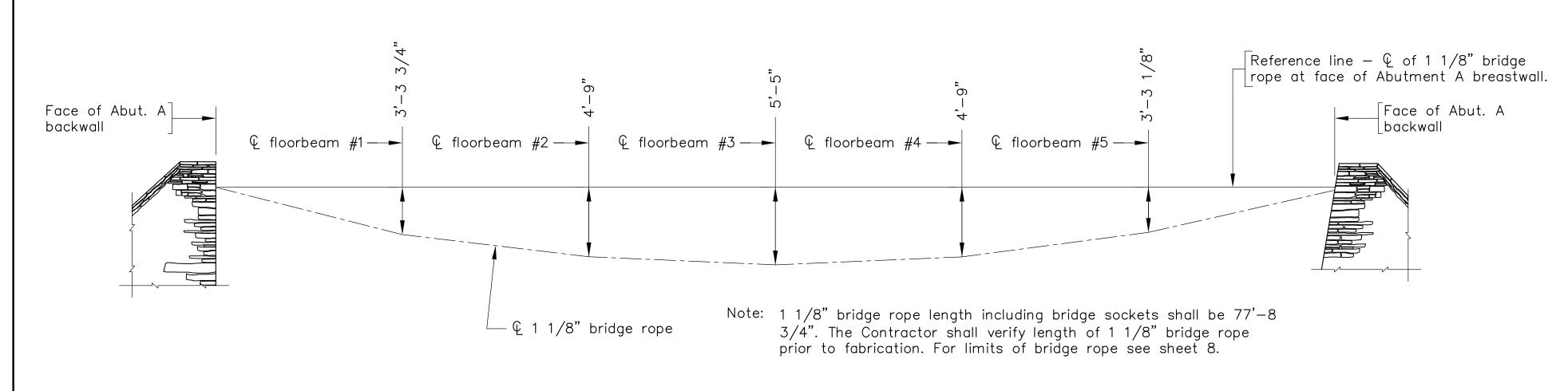
LYNCHBURG, VA.

PEDESTRIAN BRIDGE OVER SYCAMORE CREEK PITTSYLVANIA COUNTY WAYSIDE PARK PLAN, ELEVATION AND GENERAL NOTE

DESIGNED BY: MBH DRAWN BY: MBH CHECKED BY: RWS
SCALE: AS NOTED PLAN NO.: N/A

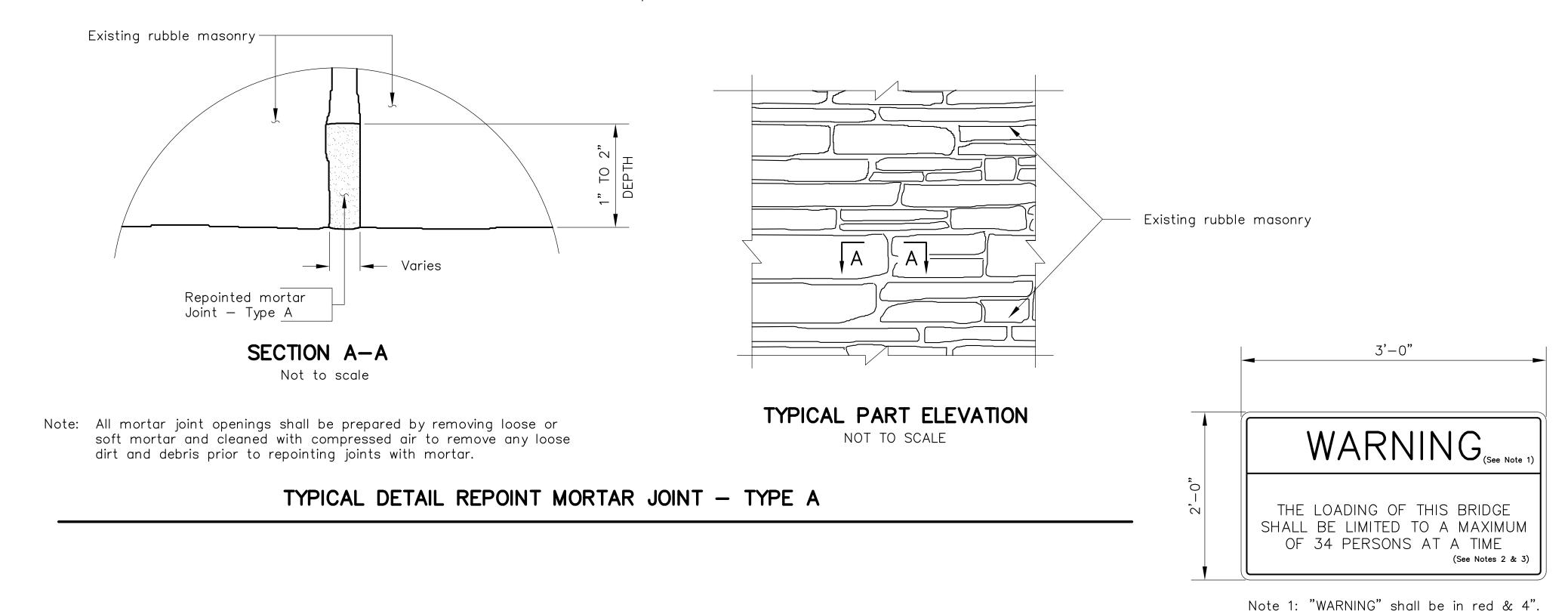
COMM. NO. 2020019 DATE: October 16, 2021 SHEET: 2 OF 8

Scale: 3/16" = 1'-0" unless otherwise shown.



BRIDGE ROPE - SIDE ELEVATION

Scale: 3/16" = 1'-0"



End of existing eyebar Limits of Dismantle and Remove Portion of Existing Structure End of existing eyebar ABUTMENT A Limits of Dismantle and Remove Portion of Existing Structure ABUTMENT A

LIMITS OF DISMANTLE AND REMOVE PORTION OF EXISTING STRUCTURE Not to scale

Rev. No. Sheets Revised Date

TABLE OF REVISIONS

Note 2: Lettering shall be in black & 2". Note 3: Background shall be white, border

POSTED WEIGHT LIMIT SIGN

shall black

GENERAL NOTE CONT.:

The locations of existing utilities, including underground utilities, is indicated on the drawings insofar as their existence and location were known at the time of preparation of the drawings. However, nothing in these contract documents shall be construed as a guarantee that such utilities are in the location indicated or that they actually exist, or that other utilities are not within the area of operations. The Contractor shall make all necessary investigations to determine the existence and locations of such utilities. The Contractor shall pay for any damage to and for maintenance and protection of existing utilities and structures.

All costs for grading, shaping, seeding, fertilizing, liming, overseeding, furnishing & placing topsoil and mulching, in disturbed areas of the project shall be paid for under price bid "General Maintenance," lump sum. This bid item shall also include all costs for replacing damaged shrubs, flowers, etc. any shrubs or flowers damaged shall be replaced with the original size and type that was damaged.

The costs of any necessary construction surveying shall be included in unit price bid for other items in contract.

	ESTIMATED QUANTITIES - SUPERSTRUCTURE ONLY		
	Item	Units	Quantity
1	Timber Decking	SF	333
1	Timber Stringers and Timber Diaphragms	LF	263
1	Timber Floor Beams	EA	10
1	Timber Rail	LF	157
1	Repointing Masonry Joints — Type A	LF	135

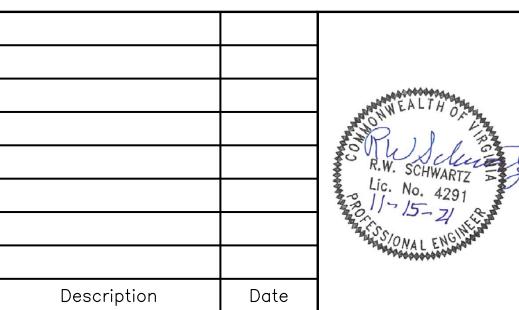
	LUMP SUM BID ITEMS	
	Mobilization	LS
	Maintenance of Traffic	LS
1	Dismantle and Remove Portion of Exist. Structure	LS
1	Suspension Cable and Floorbeam Hanger System	LS

- ∅ Denotes items to be paid for on basis of plan quantities in accordance with current road and bridge specifications.
- 1 Refer to Special Provisions located in Project Manual

Areas of the structure to be removed under the bid item "Dismantle and Remove Portion Existing Structure" shall include but are not limited to the following: entire lengths of 1 1/8" pridge rope, floor beams and hanger system, stringers, timber decking, all components of timber railing.

Lump sum bid item "Maintenance of Traffic" shall include furnishing, fabricating, and installing including all materials, tools, and labor, treated timber 6x6 sign posts, concrete and all other materials required to place posted weight limit sign at both abutments as directed by the Engineer.

INDEX OF DRAWINGS		
SHEET NO.	DESCRIPTION	
1	Cover	
2	Plan, Elevation and General Note	
3	Estimated Quantities, Index of Sheets, and General Note cont'd.	
4	Transverse Section and Miscellaneous Details	
5	Framing Plan and Miscellaneous Details	
6	Floor Beam Hanger Details	
7	Floor Beam Hanger Parts	
8	Wire Rope Connection Details	



REVISIONS



COMM. NO. 2020019

SCHWARTZ & ASSOCIATES, INC.

CONSULTING ENGINEERS

7331 TIMBERLAKE ROAD

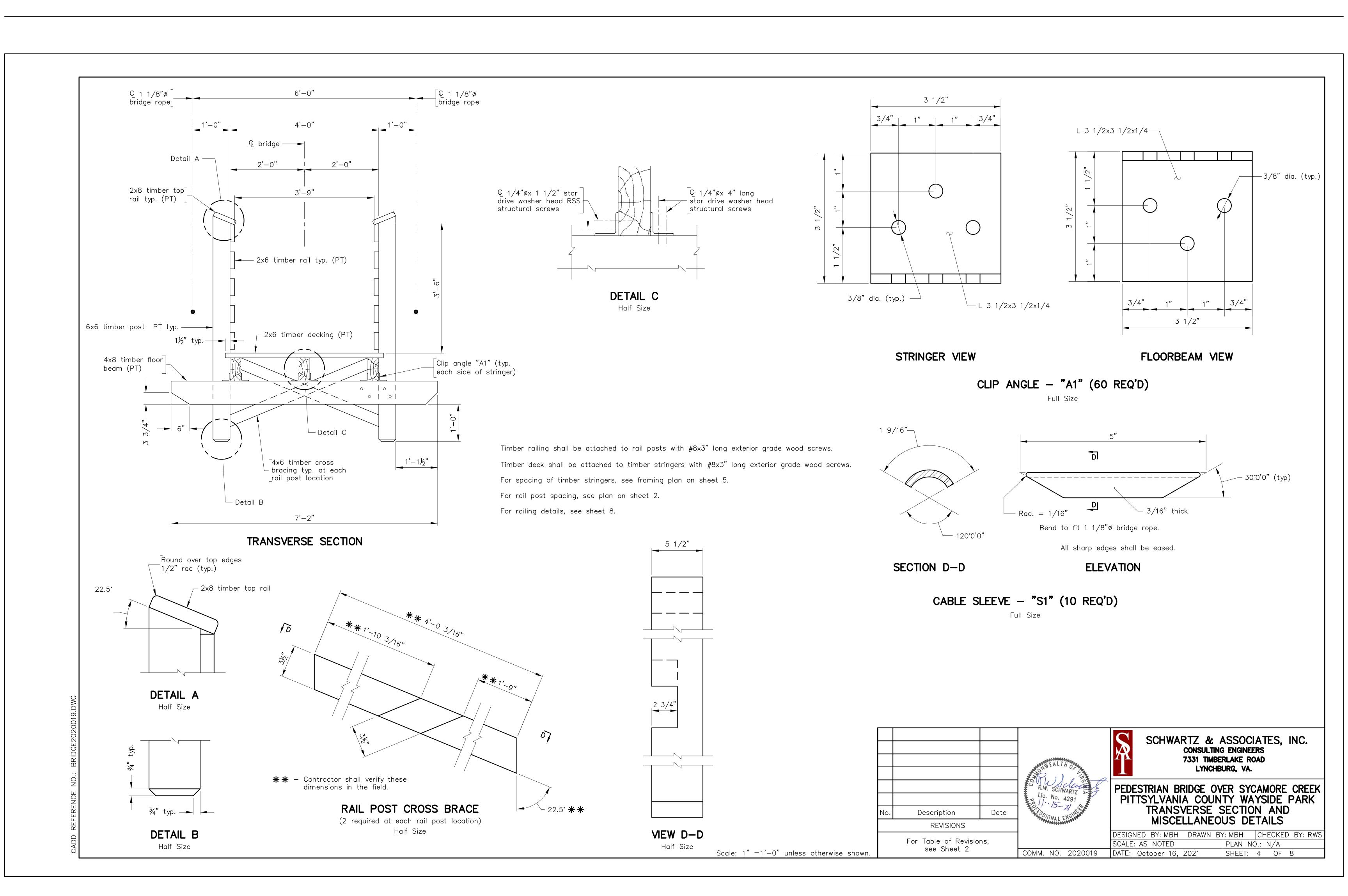
LYNCHBURG, VA.

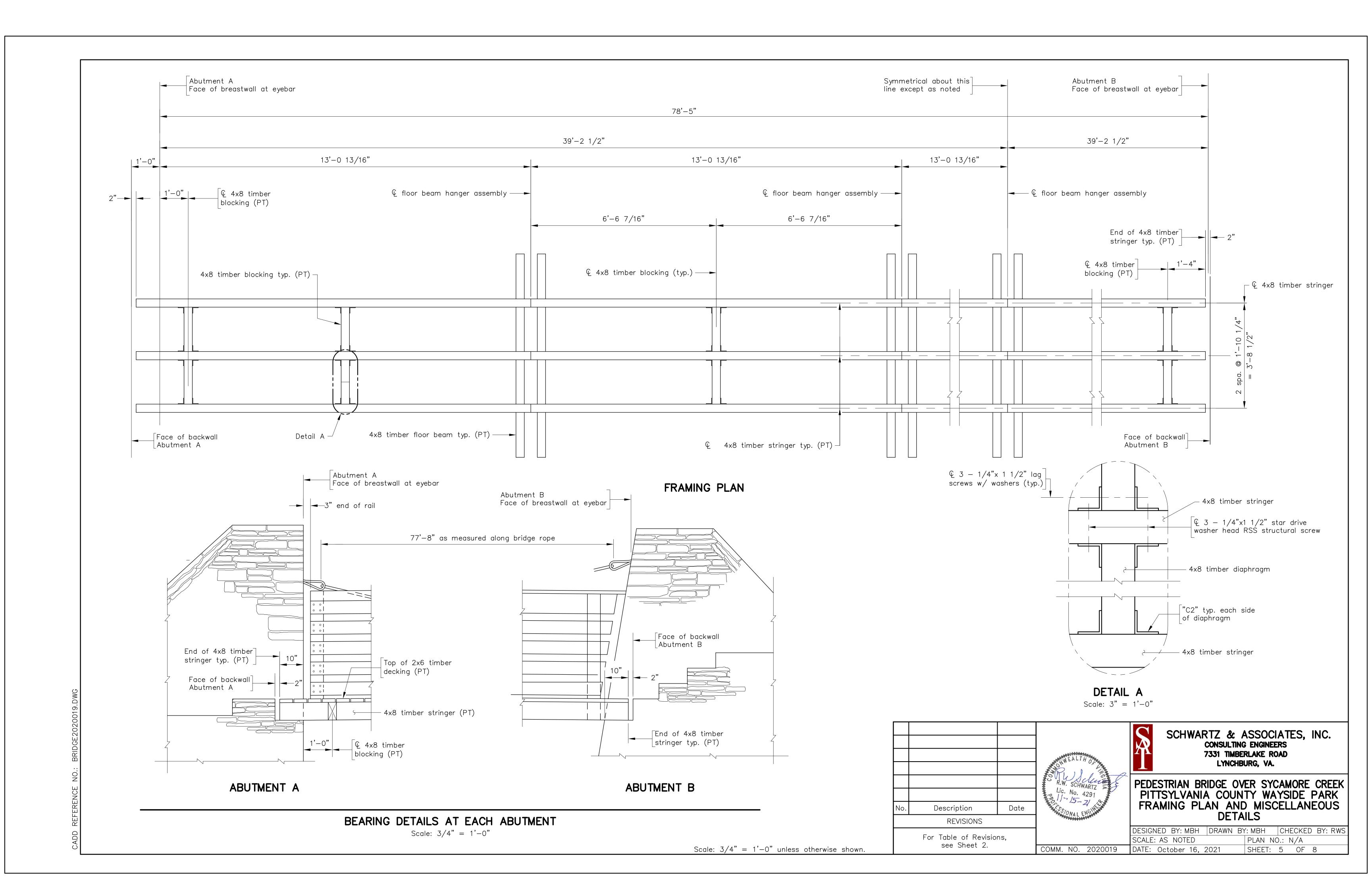
PEDESTRIAN BRIDGE OVER SYCAMORE CREEK PITTSYLVANIA COUNTY WAYSIDE PARK ESTIMATED QUANTITIES AND INDEX OF SHEETS

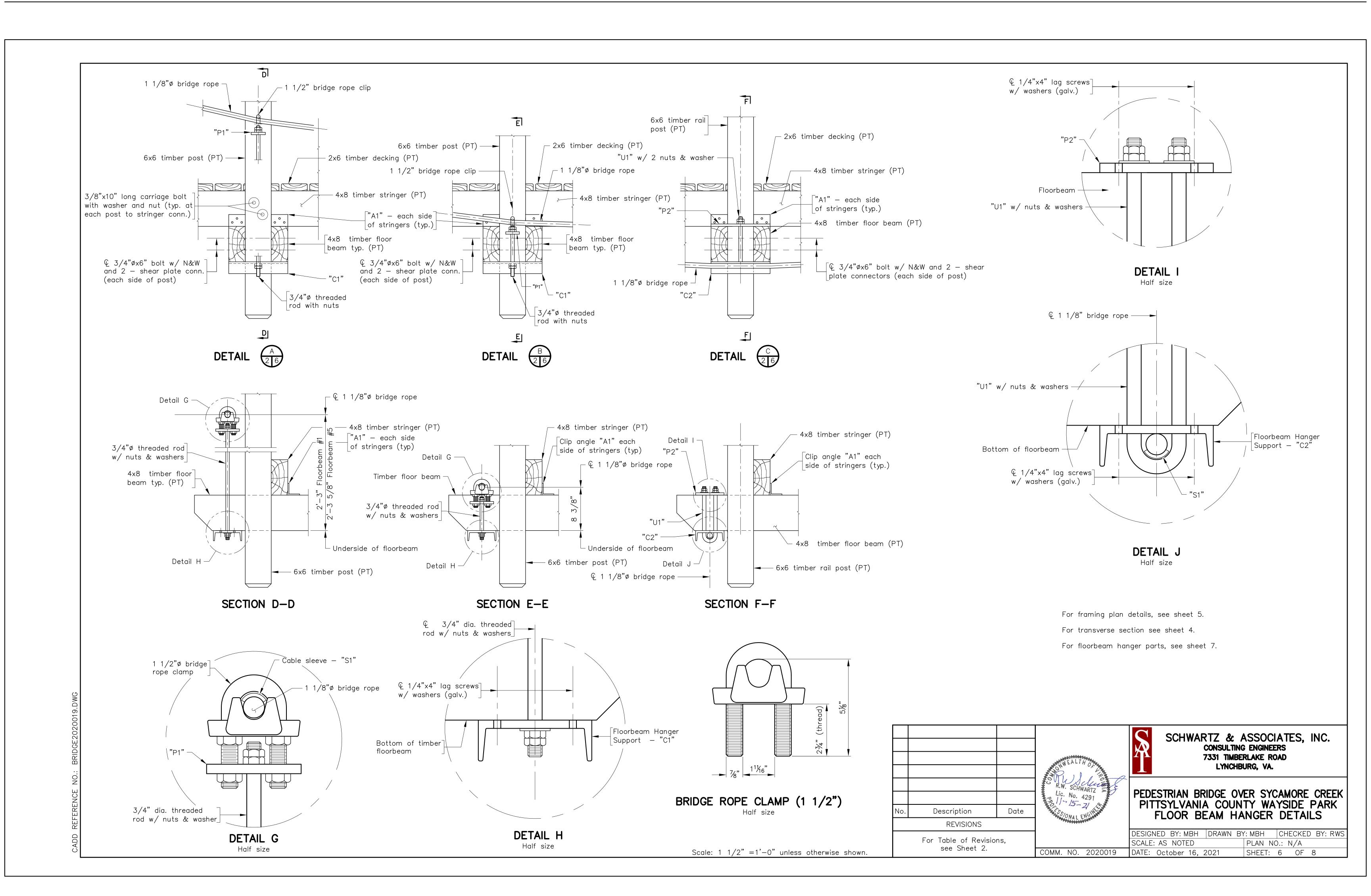
DESIGNED BY: MBH DRAWN BY: RSH CHECKED BY: RWS SCALE: AS NOTED PLAN NO.:

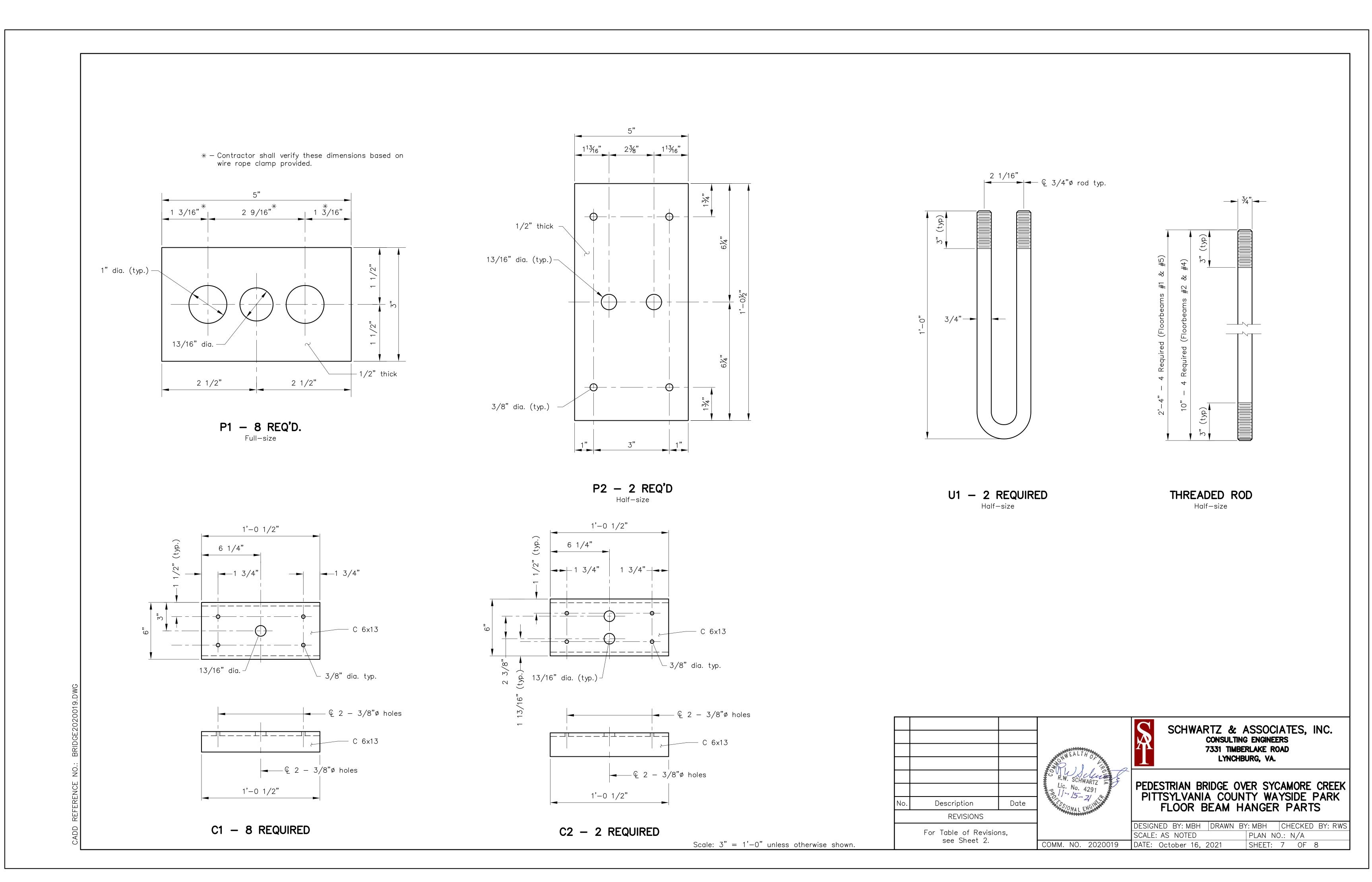
DATE: October 16, 2021 SHEET: 3 OF 8

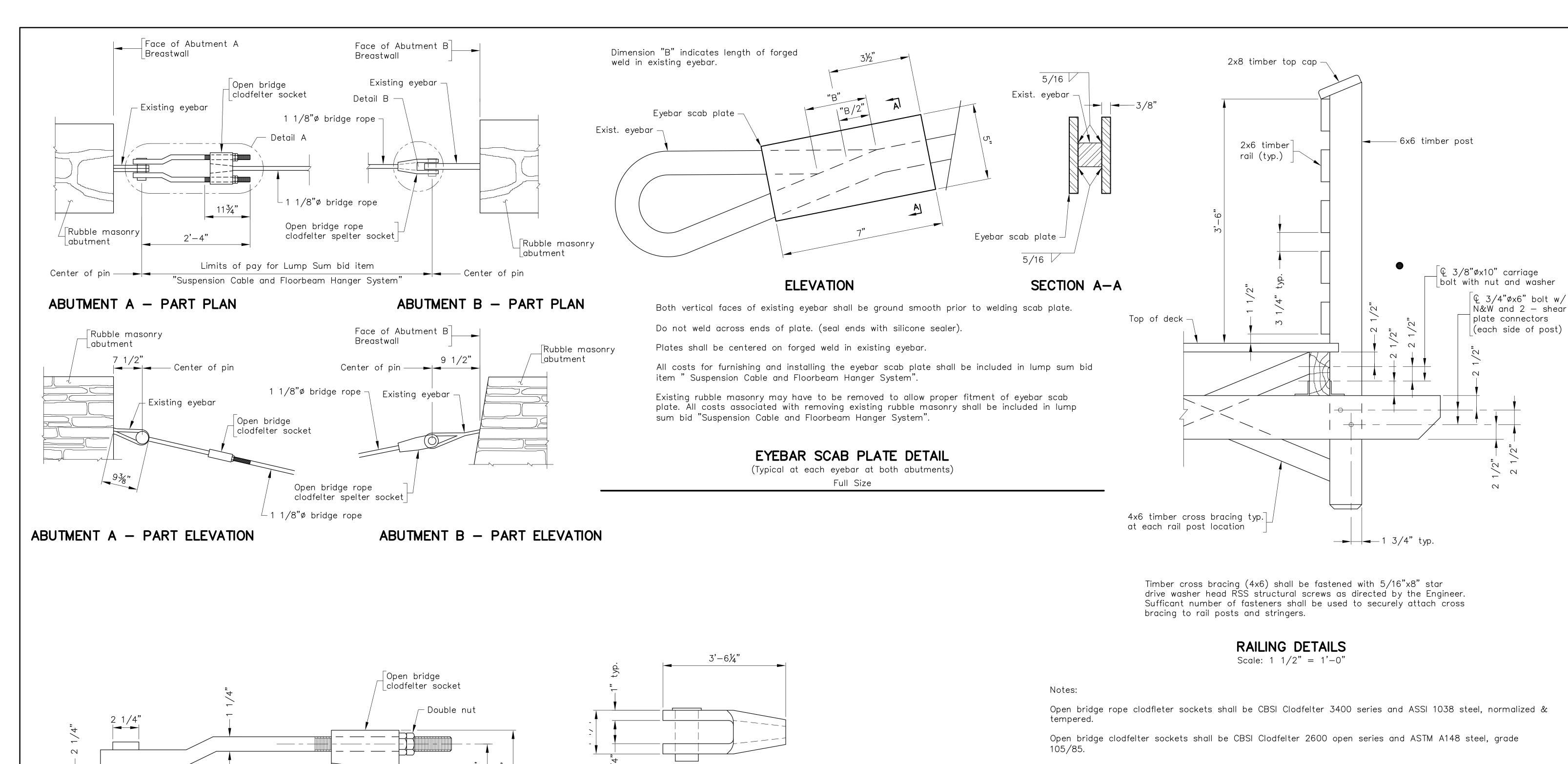
DD REFERENCE NO.: BRIDGE2020019.DWG

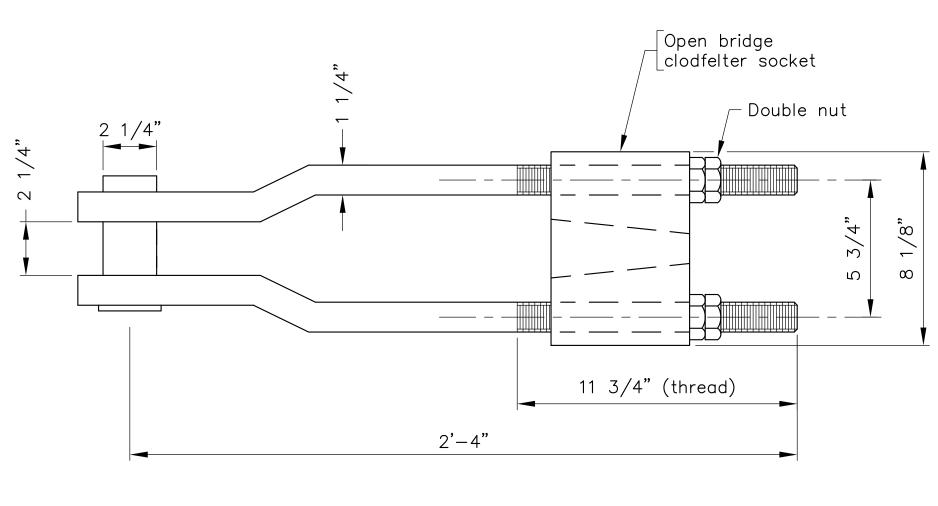






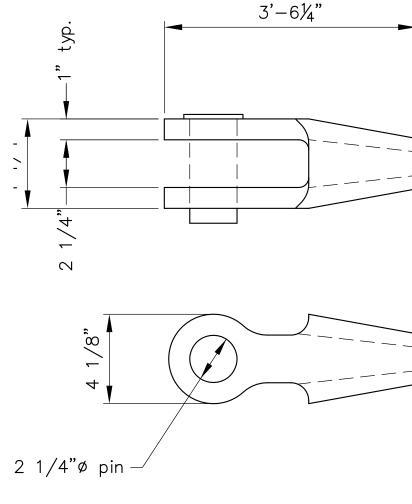






DETAIL A

Scale: 3" = 1'-0"



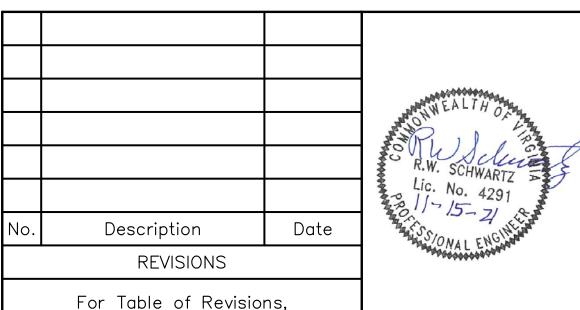
DETAIL B Scale: 3" = 1'-0"

WIRE ROPE CONNECTION TO ABUTMENT DETAILS

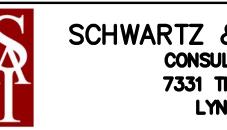
All sockets shall be magnetic particle inspected at critical areas.

COMM. NO. 2020019

All metal components shall be galvanized as per ASTM 123.



see Sheet 2.



SCHWARTZ & ASSOCIATES, INC. CONSULTING ENGINEERS 7331 TIMBERLAKE ROAD LYNCHBURG, VA.

PEDESTRIAN BRIDGE OVER SYCAMORE CREEK PITTSYLVANIA COUNTY WAYSIDE PARK BRIDGE ROPE CONNECTION TO ABUTMENTS AND RAILING DETAILS

DESIGNED BY: MBH | DRAWN BY: MBH | CHECKED BY: RWS PLAN NO.: N/A SCALE: AS NOTED DATE: October 16, 2021 SHEET: 8 OF 8

Scale: 1" = 1' - 0" unless otherwise shown.