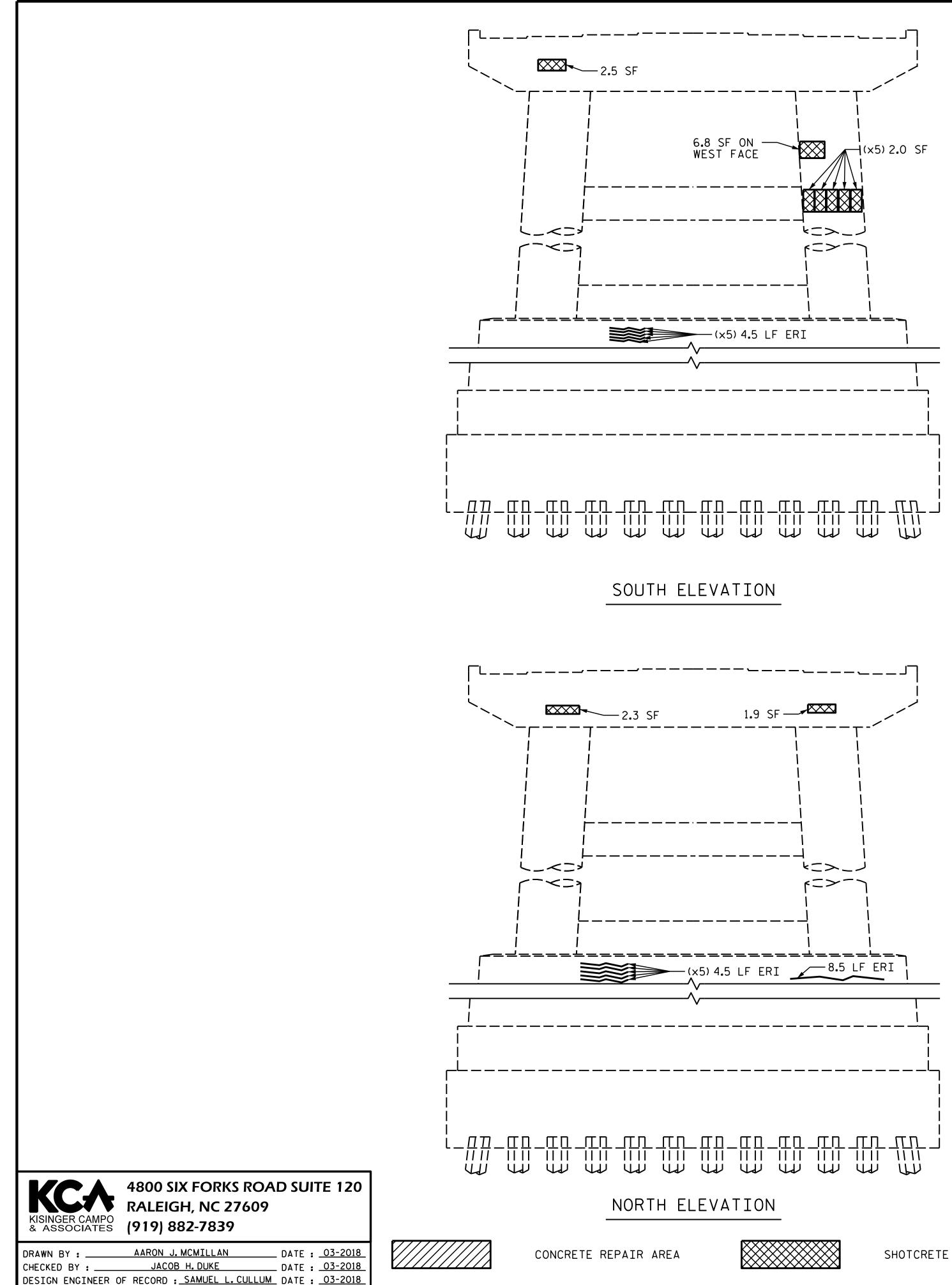
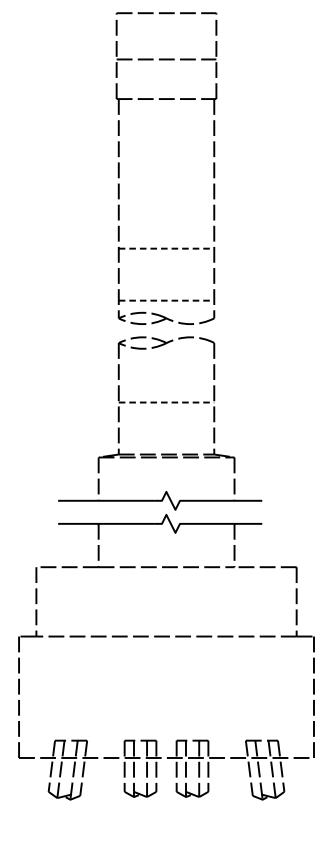
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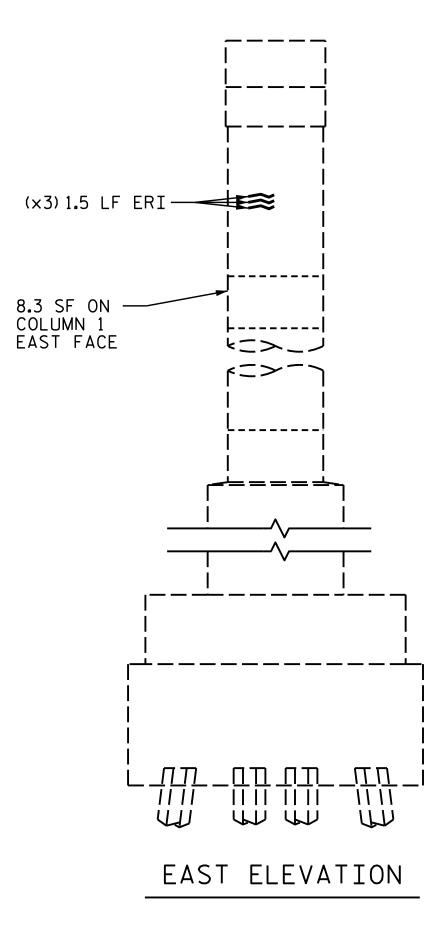


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SHOTCRETE REPAIR AREA

WEST ELEVATION



EPOXY RESIN INJECTION (ERI)

| AS-BUILT REPAIR QUANTITY TABLE | | | | | | | | | | |
|--------------------------------|----------------|------------------|----------------|------------------|--|--|--|--|--|--|
| BENT 50 | QUANTITIES | | | | | | | | | |
| DEINI JU | ESTI | ΜΑΤΕ | ACTUAL | | | | | | | |
| SHOTCRETE REPAIRS | AREA SQ.FT. | VOLUME CU.FT. | AREA SQ.FT. | VOLUME CU.FT. | | | | | | |
| САР | 6.7 | 3.4 | | | | | | | | |
| COLUMN/PILE | 25.1 | 12.6 | | | | | | | | |
| CONCRETE REPAIRS | AREA SQ.FT. | VOLUME CU.FT. | AREA SQ.FT. | VOLUME CU.FT. | | | | | | |
| САР | 1.0 | 0.5 | | | | | | | | |
| EPOXY RESIN INJECT | LIN.FT. | | LIN.FT. | | | | | | | |
| САР | 53.5 | | | | | | | | | |
| COLUMN/PILE | 4.5 | | | | | | | | | |
| PILE REPAIR JACKET | LIN.FT. | | LIN.FT. | | | | | | | |
| GALVANIC STRUCTURAL C.P | N⁄A | | | | | | | | | |

VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE.MINIMUM OF 1"BEHIND REBAR AND MINIMUM 2"CLEARANCE TO SAWCUT.FOR REPAIR DETAILS, SEE "CONCRETE RESTORATION DETAILS - SUBSTRUCTURE" SHEET.

NOTES:

REPAIR LOCATIONS AND ESTIMATED QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER WILL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATIONS AND DESCRIPTION OF THE REPAIRS AND ADJUST THE ACTUAL OUANTITIES ENTERED INTO THE AS-BUILT REPAIR OUANTITY TABLE.

FOR PILE CP JACKET REPAIRS, PRIOR TO ORDERING JACKETS, PERFORM A PILE JACKET SURVEY WITH THE ENGINEER AND THE ENGINEER OF RECORD TO DETERMINE PILE JACKET LOCATIONS AND LENGTHS.

CONCRETE COVER FOR EXTERIOR BARS IN THE CAP IS 3" ON THE BOTTOM FACE, 2" ELSEWHERE, AND 3" ON THE COLUMNS PER EXISTING BRIDGE PLANS. ACTUAL CONCRETE COVER SHALL BE DETERMINED BY THE CONTRACTOR AND PRESENTED TO THE ENGINEER PRIOR TO BEGINNING SCARIFICATION.

CURRENT AVERAGE COVER IS EXPECTED TO BE FROM 2" TO 3" ON THE CAP AND FROM 21/2" TO 3" ON THE COLUMNS BASED ON VISUAL INSPECTION.

SEE TITLE SHEET FOR PROJECT CARDINAL DIRECTION DESIGNATION.

FOR CONCRETE AND SHOTCRETE REPAIRS, SEE CONCRETE RESTORATION DETAILS - SUBSTRUCTURE SHEET.

***** QUANTITIES OF CONCRETE REPAIR AREAS ARE ANTICIPATED UNDER BEARING AREAS. DUE TO LACK OF INFORMATION, ALL AREAS ARE NOT KNOWN. QUANTITY INCLUDES CONTINGENCIES AND ARE ANTICIPATED TO BE SUFFICIENT FOR ACTUAL QUANTITIES ENCOUNTERED.FOR CONCRETE REPAIRS SEE CONCRETE RESTORATION DETAILS.

ALL DEFECT QUANTITIES ON STRUTS AND COLUMN FOOTINGS ARE LISTED WITH THE QUANTITIES FOR THE CAP.

SHOTCRETE REPAIRS MAY BE REPLACED WITH CONCRETE REPAIRS WITH THE APPROVAL OF THE ENGINEER.

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SEAL

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MGINEE?

4/12/2018

Samuel .

PROJECT NO. 15BPR.25

BRUNSWICK _ COUNTY

14

BRIDGE NO.____

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

SUBSTRUCTURE CONCRETE REPAIRS BENT 50

| | ⊢ | | SHEET NO. | | | | |
|-------------------------|-----|-----|-----------|-----|-----|-------|-----------------|
| DOCUMENT NOT CONSIDERED | NO. | BY: | DATE: | NO. | BY: | DATE: | S-88 |
| FINAL UNLESS ALL | 1 | | | 3 | | | TOTAL SHEETS |
| SIGNATURES COMPLETED | 2 | | | 4 | | | 111 |