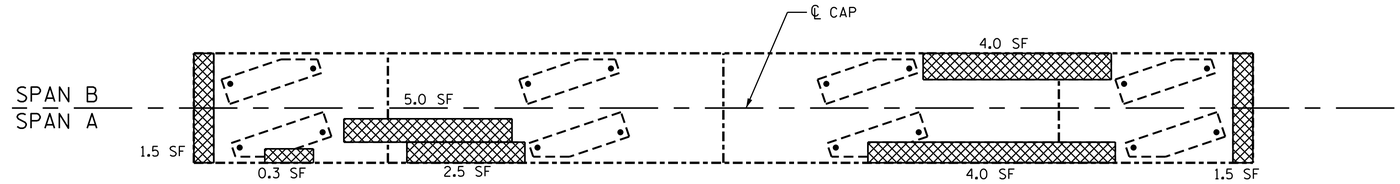
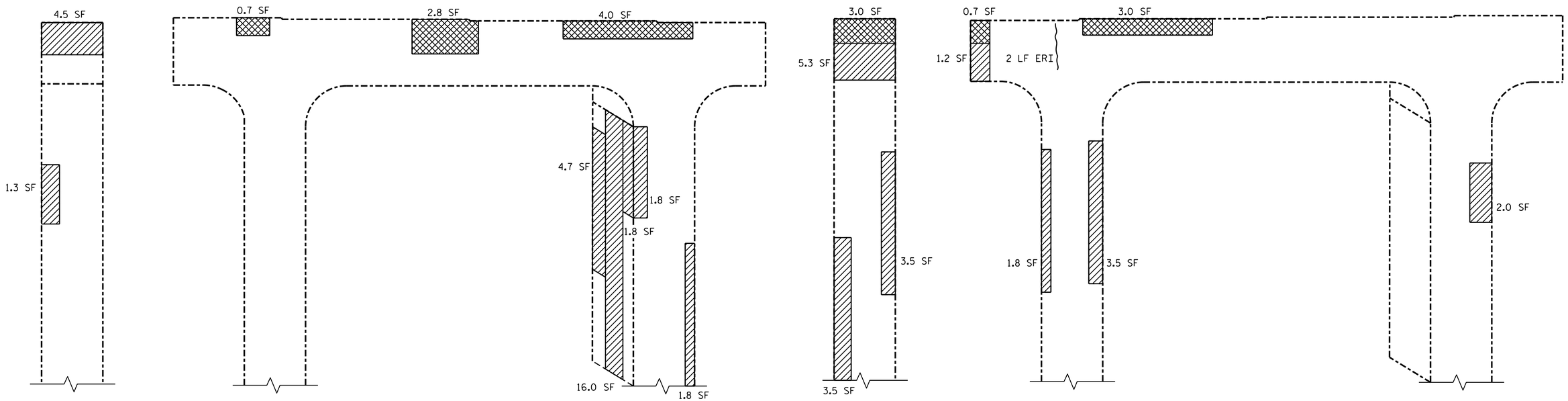


PLAN - TOP



NORTH FACE

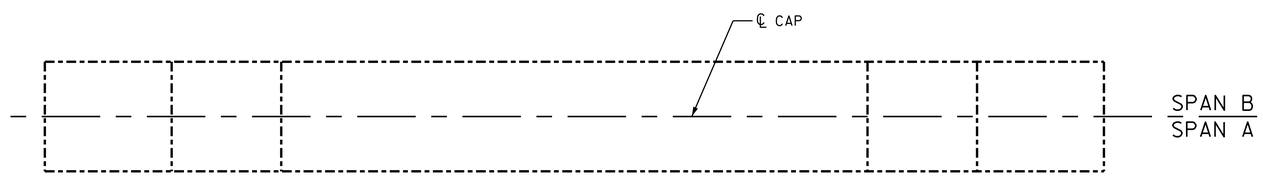
WEST FACE

SOUTH FACE

EAST FACE

SPAN A

SPAN B



PLAN - BOTTOM

REPAIR QUANTITY TABLE

REPAIRS BENT 1	QUANTITIES			
	ESTIMATE		ACTUAL	
SHOTCRETE REPAIRS	AREA SF.	VOLUME CF.	AREA SF.	VOLUME CF.
CAP (VERTICAL FACE)	11.0	3.7		
CAP (HORIZONTAL FACE)	0	0		
COLUMN (VERTICAL FACE)	41.7	13.9		
CONCRETE REPAIRS	33.0	11.0		
EPOXY RESIN INJECTION		LN. FT.		LN. FT.
CAP		2.0		
COLUMN		0		
EPOXY COATING		SQ. FT.		SQ. FT.
TOP OF CAP		82.0		

VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MIN. OF 1" BEHIND REBAR AND MIN. 1" CL TO SAWCUT. SEE REPAIR DETAILS.

CONCRETE REPAIR

SHOTCRETE REPAIR

ERI - EPOXY RESIN INJECTION

NOTE

REPAIR LOCATIONS AND ESTIMATE OF QUANTITIES ARE GIVEN WITH THE BEST INFORMATION AVAILABLE. IF ADDITIONAL REPAIRS NOT SHOWN ON THE DRAWINGS ARE DEEMED NECESSARY BY THE ENGINEER, THE ENGINEER SHALL NOTE ON THE DRAWINGS THE APPROXIMATE LOCATION AND DESCRIPTION OF THE REPAIRS AND ADJUST THE ACTUAL QUANTITIES ENTERED INTO THE REPAIR QUANTITY TABLE.

FOR STRUCTURE REPAIRS, SEE "TYPICAL REPAIR DETAILS" SHEET.

EPOXY COATING SHALL BE APPLIED TO THE TOP FACE OF THE BENT CAPS AND ENDS OF GIRDERS.

DocuSigned by: Douglas R. Calhoun
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NORTH CAROLINA PROFESSIONAL SEAL 14855 ENGINEER DOUGLAS R. CALHOUN

12/19/2014

PROJECT NO. I-0914BA
VANCE COUNTY
BRIDGE NO. 60

SHEET 1 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE REPAIR
BENT 1

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	SP-38
1			3			TOTAL SHEETS
2			4			58

DRAWN BY : A. K. PATEL DATE : 10/2013
CHECKED BY : Fr. LEA DATE : 3/2014

19-DEC-2014 10:27
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kalford