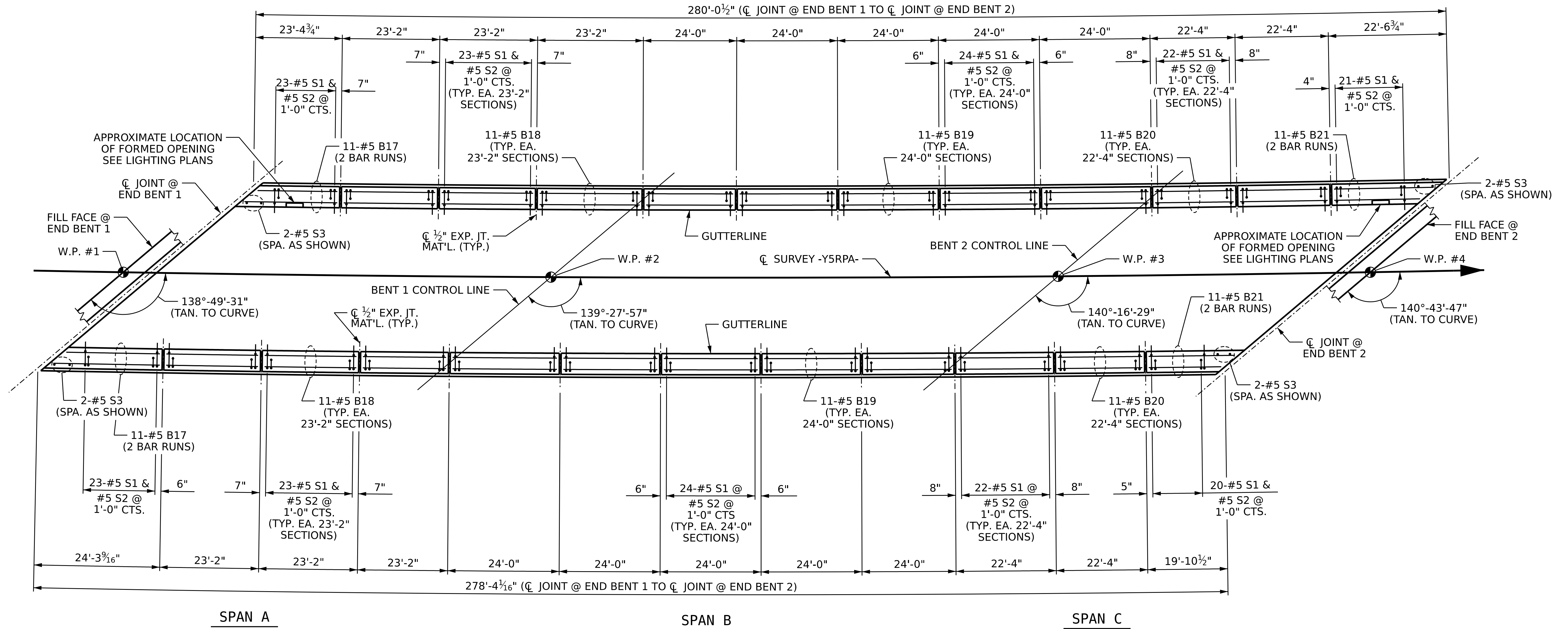


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**PLAN**  
DIMENSIONS SHOWN ALONG BACK FACE OF BARRIER RAIL

**NOTES:**

THE BARRIER RAIL SHALL NOT BE CAST IN A CONTINUOUS UNIT UNTIL ALL SLAB CONCRETE IN THE UNIT HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINT. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 20 FEET IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 10 FEET IN LENGTH.

THE #5 S1 AND S2 BARS MAY BE SHIFTED AS NECESSARY TO MAINTAIN 2" MINIMUM CLEARANCE TO THE 1/2" EXPANSION JOINT MATERIAL.

THE #5 S1 BARS MAY BE SHIFTED SLIGHTLY OR FIELD BENT AS NECESSARY IN ORDER TO CLEAR THE EXPANSION JOINT SEAL COVER PLATE ASSEMBLY IN THE CONCRETE BARRIER RAIL AT THE END BENTS.

SEE "BRIDGE APPROACH SLAB" SHEET 2 OF 2 FOR EPOXY COATED REINFORCING STEEL, CLASS AA CONCRETE AND LINEAR FEET QUANTITIES FOR BARRIER RAILS ON THE APPROACH SLABS.

SEE LIGHTING PLANS FOR FORMED OPENING AND CONDUIT DETAILS IN BARRIER RAIL.

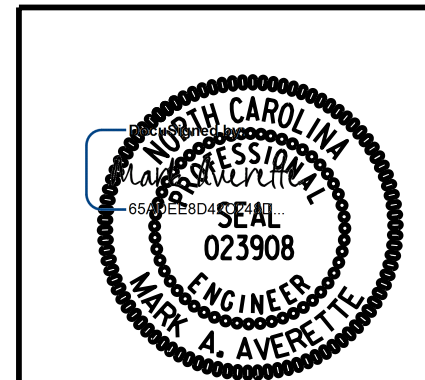
"B" BARS MAY BE CUT AS NECESSARY TO AVOID FORMED OPENING.

PROJECT NO. I-2513AA/AB  
BUNCOMBE COUNTY  
 STATION: 20+16.70 -Y5RPA-

SHEET 1 OF 2

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUPERSTRUCTURE

**CONCRETE BARRIER RAIL**



12/21/2023 | 11:09 AM

DRAWN BY :	T. BANKOVICH	DATE :	12-23
CHECKED BY :	M.A. AVERETTE	DATE :	12-23
DESIGN ENGINEER OF RECORD:	M.A. AVERETTE	DATE :	12-23

REVISIONS				SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS: 49

**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**