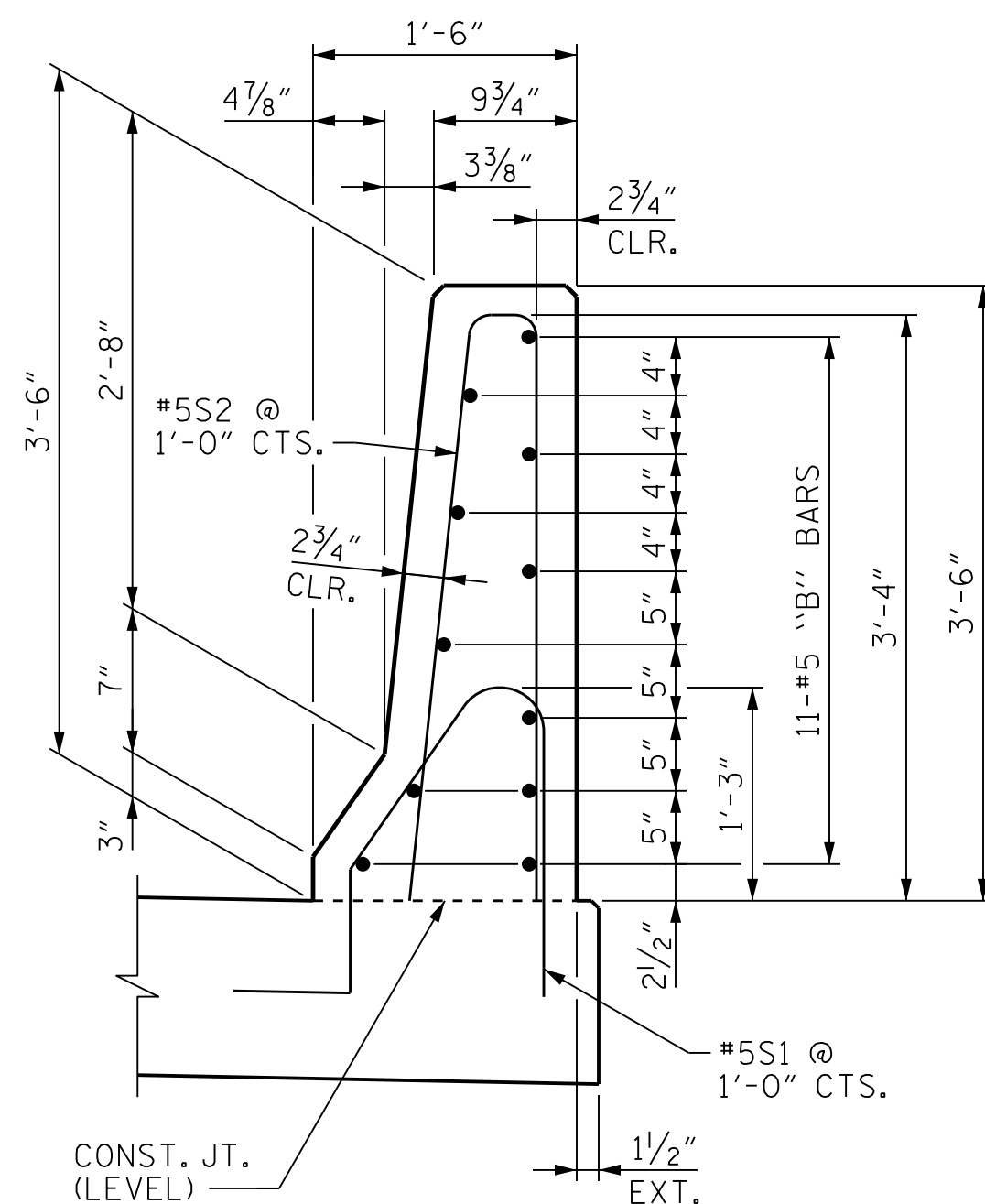


PLAN OF BARRIER RAIL



SECTION THRU RAIL

BARRIER RAIL DETAILS AT END BENT 1 APPROACH SLAB

NOTES

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

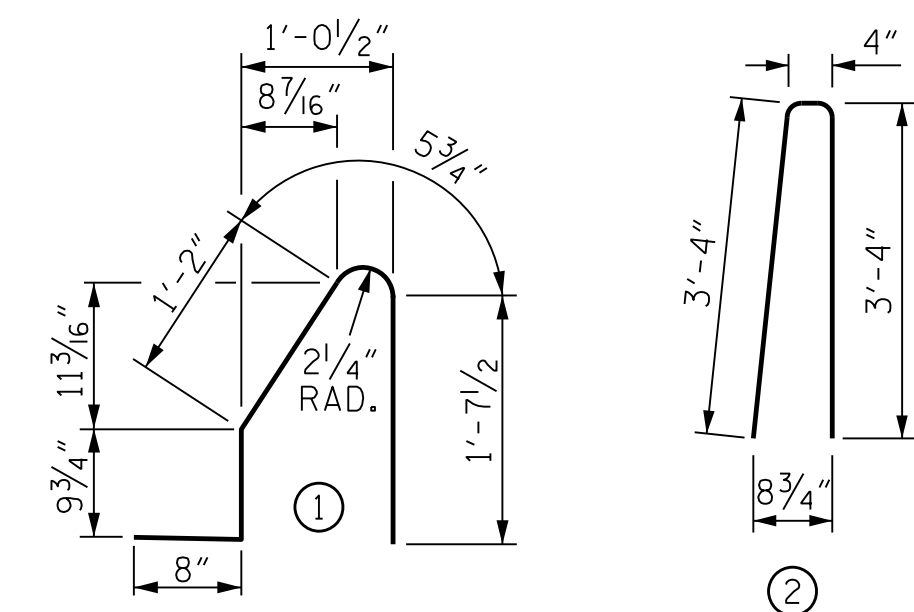
ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

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 JOINTS. 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 COST OF THE BARRIER RAIL ON THE APPROACH SLAB SHALL BE INCLUDED IN THE LINEAR FOOT CONTRACT PRICE BID FOR "CONCRETE BARRIER RAIL".

BILL OF MATERIAL					
BARRIER RAIL AT END BENT 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B1	22	#5	STR	9'-11"	228
* S1	16	#5	1	4'-9"	80
* S2	16	#5	2	7'-0"	117
* EPOXY COATED REINFORCING STEEL					LBS. 425
CLASS AA CONCRETE					C. Y. 2.4
CONCRETE BARRIER RAIL					LIN. FT. 17.0

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

PROJECT NO. B-3186/B-5898
HAYWOOD COUNTY
 STATION: 68+65.75± -L-RT-

SHEET 2 OF 3



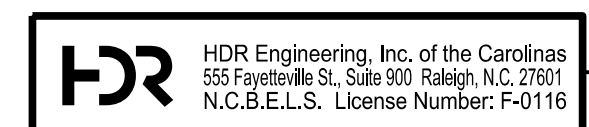
Eric Nolting 1/25/2022

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

BRIDGE APPROACH
 SLAB DETAILS

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

SHEET NO. S03R-48
 TOTAL SHEETS 61



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

PLOT DRIVER: NCDOT_STRUCTURE_DEFAULT_PLOTTER.plt
 USER: PPETERSO
 DATE: 1/24/2022
 TIME: 2:45:39 PM
 FILE: ... \404.235-B5898B3186-SMU-AS-048-430107.dgn

DES BY: <u>S. RAVINDRAN</u>	DATE: <u>06/21</u>	DWG BY: <u>M. SELLS</u>	DATE: <u>06/21</u>
DES CHK: <u>G. MYERS</u>	DATE: <u>07/21</u>	CHK BY: <u>G. MYERS</u>	DATE: <u>07/21</u>