

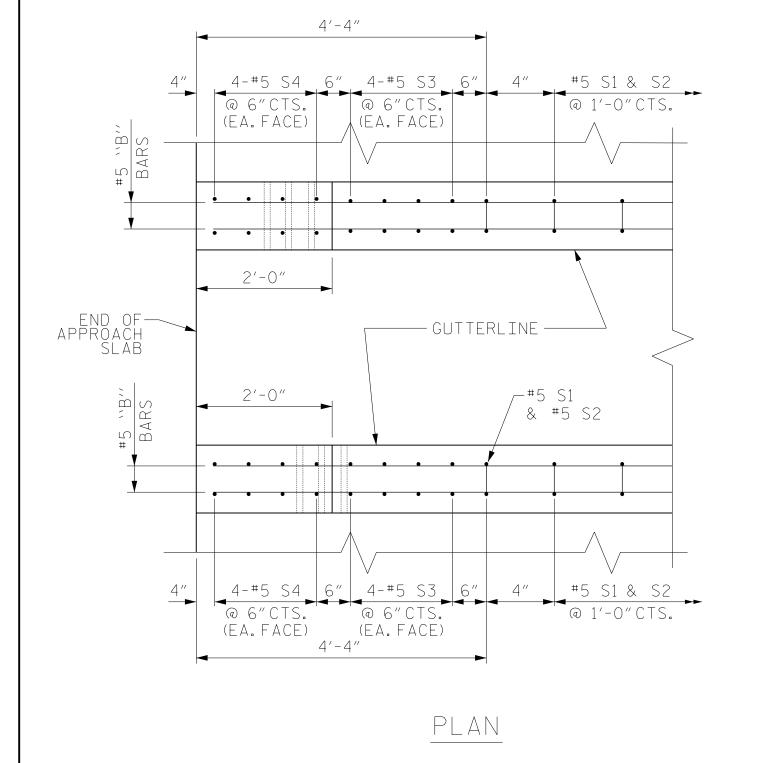
SECTION S-S

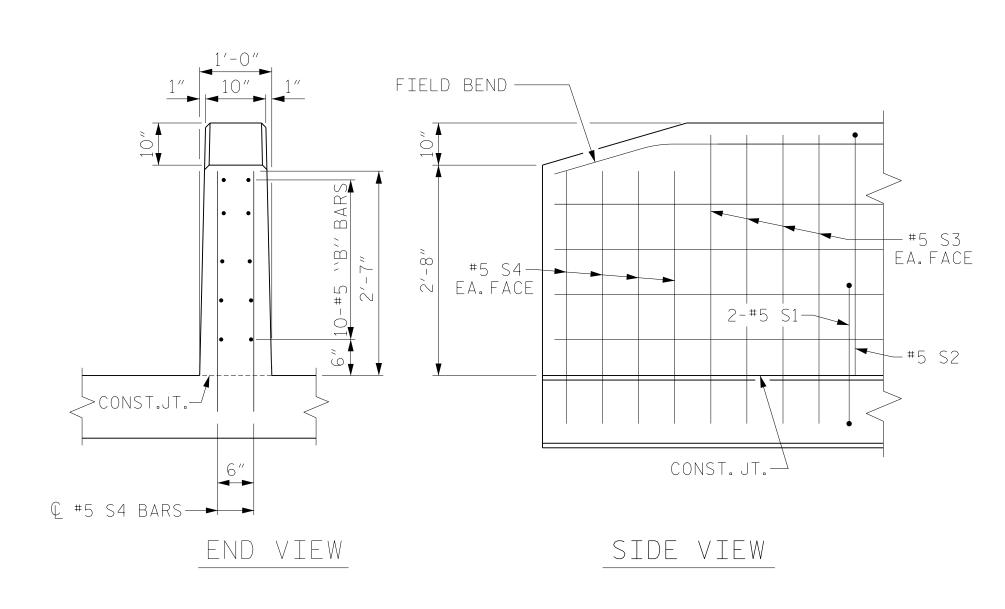
AT DAM IN OPEN JOINT (THIS IS TO BE USED ONLY WHEN SLIP FORM IS USED)

CHAMFER CHAMFER CHAMFER CHAMFER CHAMFER CHAMFER CONST. JT. CONST. JT. CLAMFINAT'L HELD IN PLACE WITH GALVANIZED NAILS. (NOTE: OMIT EXP. JT. MAT'L. WHEN SLIP FORM IS USED.)

ELEVATION AT EXPANSION JOINTS

BARRIER RAIL DETAILS





END OF RAIL DETAILS

DRAWN BY: ______E.JONES DATE: JUNE 21
CHECKED BY: _____P.O'NEILL DATE: JUNE 21
DESIGN ENGINEER OF RECORD: _____Z.BROWN DATE: JUNE 21

NOTES

THE BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3.000 PSI.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

THE #5 S3 & S4 BARS SHALL BE INSTALLED, USING AN ADHESIVE ANCHORING SYSTEM, AFTER SAWING THE JOINT. THE YIELD LOAD FOR THE #5 S3 & S4 BARS IS 18.6 KIPS. FIELD TESTING FOR THE ADHESIVE BONDING SYSTEM IS NOT REQUIRED.

GROOVED CONTRACTION JOINTS, $\frac{1}{2}$ "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.

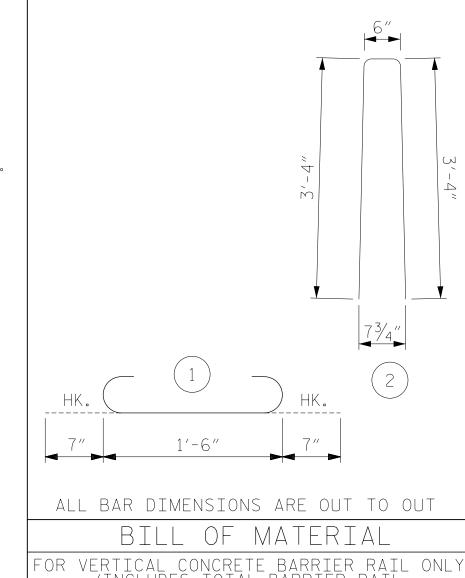
THE CONTRACTOR SHALL PLACE S1 BARS IN GREEN CONCRETE. THE CONTRACTOR DOES HAVE THE OPTION TO EPOXY S1 BARS.

#5 S2 —

#5 S1 -

CONST.JT. (SLOPED)

"B" BARS -



BAR TYPES

FOR VE _, i	RTICAL	CONCE		ARRIER RA	ŽİL ON
(ON DE	CK AND	APRO.	krier ra Ach Slabs) TT
BAR	NO.	SIZE	TYPE	LENGTH	WEIG
* B1	100	#5	STR	29'-7"	3,08
* B2	20	#5	STR	28'-9"	600
* B3	20	#5	STR	18'-9"	391
* B4	40	#5	STR	24'-7"	1,02
* S1	976	#5	1	5'-1"	2,71
* S2	488	#5	2	2'-8"	3,68
* S3	32	#5	STR	4'-0"	134
* S4	32	#5	STR	3'-6"	117

REINFORCING STEEL 11,753 LBS. CLASS AA CONCRETE 58.9 CU. YDS. VERTICAL CONCRETE BARRIER RAIL 496.67 LIN. FT.

* EPOXY COATED

SECTION THRU RAIL

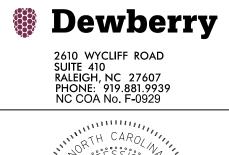
NOTE: CONTRACTOR HAS THE OPTION TO USE ADHESIVELY ANCHORED BARS. LEVEL 2 FIELD TESTING IS REQUIRED FOR ADHESIVELY ANCHORED BARS, PRODUCING A MINIMUM YIELD STRENGTH OF 18.6 KIPS. SEE STANDARD SPECIFICATIONS FOR ADHESIVELY ANCHORED BOLTS OR DOWELS.

PROJECT NO. _____B-5318

_____WAKE ____COUNTY

STATION: ____19+73.00 -L-

SHEET 2 OF 2





DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STANDARD

VERTICAL CONCRETE BARRIER RAIL

	SHEET NO.					
NO.	BY:	DATE:	NO.	BY:	DATE:	S-26
1			3			TOTAL SHEETS
2			4			41