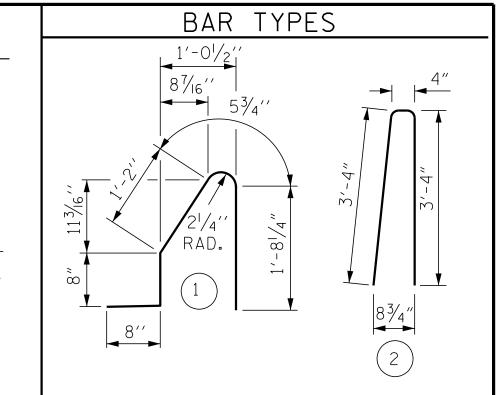
THE BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

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.



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL									
FOR CONCRETE BARRIER RAIL ONLY									
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT				
₭ S1	156	#5	1	4'-8"	759				
₭ S2	156	#5	2	7'-0"	1,139				
∗ B1	88	#5	STR	14'-6"	1,331				
∗ B2	22	#5	STR	25′-9″	591				

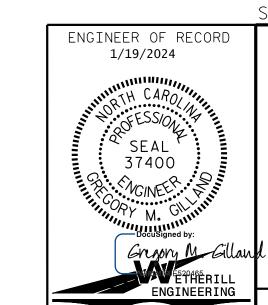
* EPOXY COATED REINFORCING STEEL 3,820 LBS. CLASS AA CONCRETE 21.4 CU. YDS. CONCRETE BARRIER RAIL 157.06 LIN.FT.

FOR CONCRETE BARRIER RAIL QUANTITIES ON APPROACH SLABS, SEE APPROACH SLAB SHEETS.

PROJECT NO. HB-0004 HAYWOOD COUNTY

STATION: 254+73.75 -L-

SHEET 2 OF 2



Raleigh, N.C. 27606
Bus: 919 851 8077
Fax: 919 851 8107
LICENSE NO. F-0377

DEPARTMENT OF TRANSPORTATION STANDARD

CONCRETE BARRIER RAIL (RIGHT LANE)

STATE OF NORTH CAROLINA

	SHEET NO.				
BY:	DATE:	NO.	BY:	DATE:	S2-16
		<u>ത</u>			TOTAL SHEETS
		4			58

__#5 S2 @ 1'-0'' CTS. 23/4" CL. CONST.JT.-(LEVEL) #5 S1 @ 1'-0'' CTS. — "B" BARS ³∕₄" CHAMFER CONST.JT. $1\frac{1}{2}$ EXT. (LEVEL) SECTION S-S _2- 1"△GROOVES AT DAM IN OPEN JOINT (THIS IS TO BE USED ONLY WHEN SLIP FORM IS USED) BEAM BOLSTER IN SLAB OVERHANG

SECTION THRU RAIL

Ç ½'' EXP.JT.MAT'L HELD IN ── PLACE WITH GALVANIZED NAILS. (NOTE: OMIT EXP.JT.MAT'L. When Slip form is used.) CHAMFER CHAMFER ||| ³⁄4′′ **∭** CHAMFER 3/4" || CHAMFER

ELEVATION AT EXPANSION JOINTS

BARRIER RAIL DETAILS

ASSEMBLED BY : D.HODGE CHECKED BY : J.DILWORTH

DRAWN BY: ARB 5/87 CHECKED BY: SJD 9/87

DATE: 2/23 DATE: 9/23

MAA/GM MAA/GM MAA/THC

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETE

STD. NO. CBR1 (SHT 3)