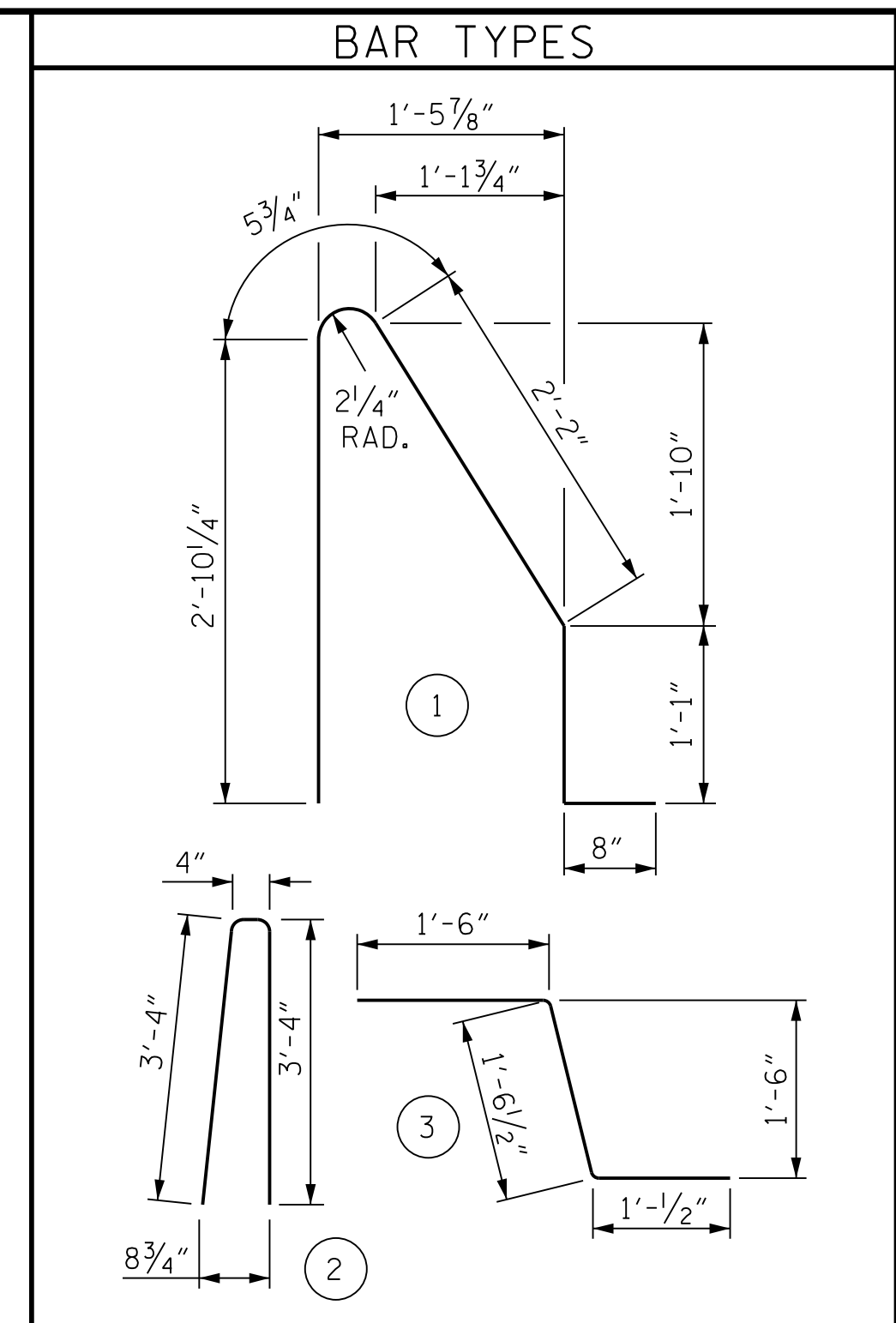


PLAN



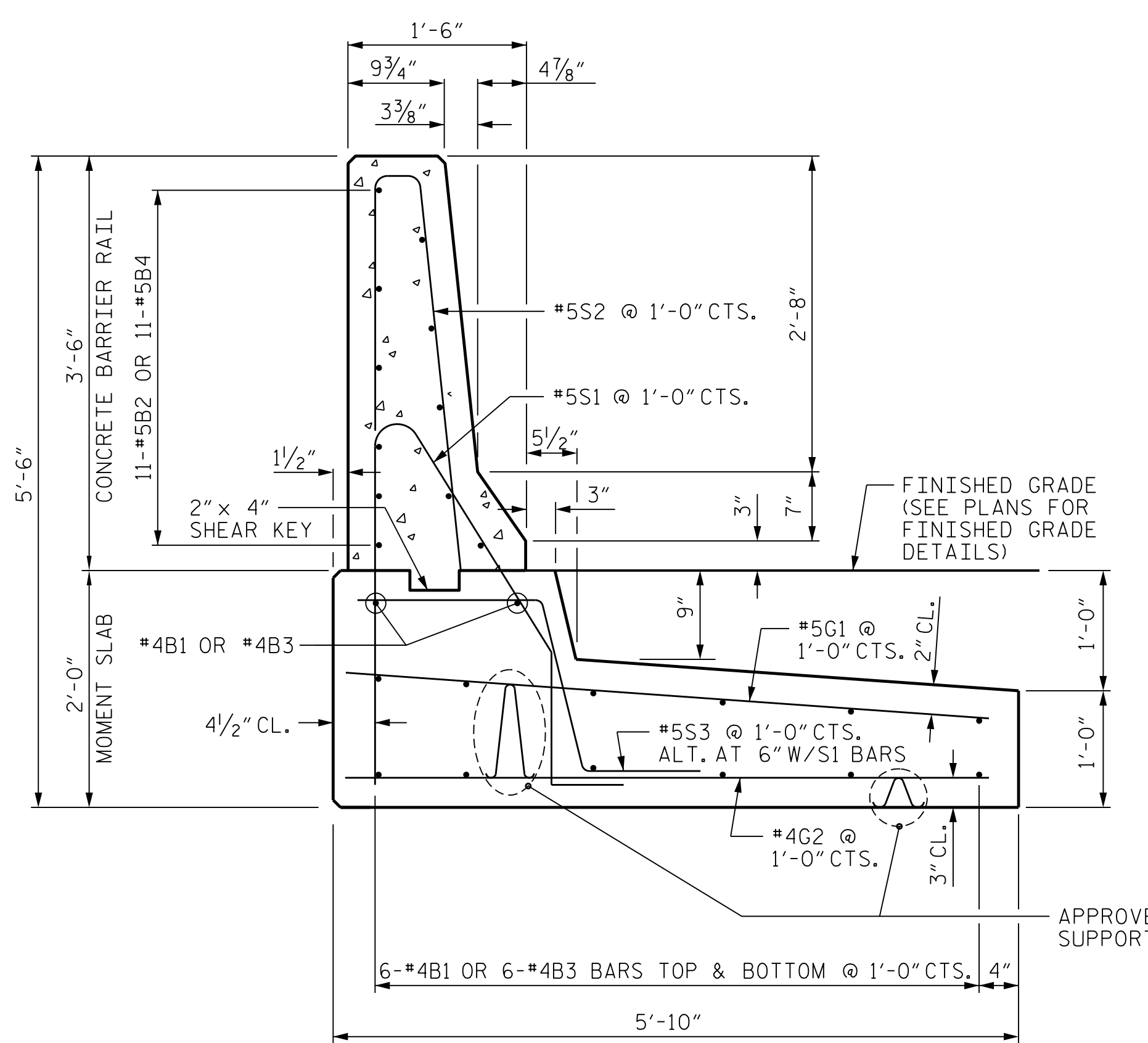
ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

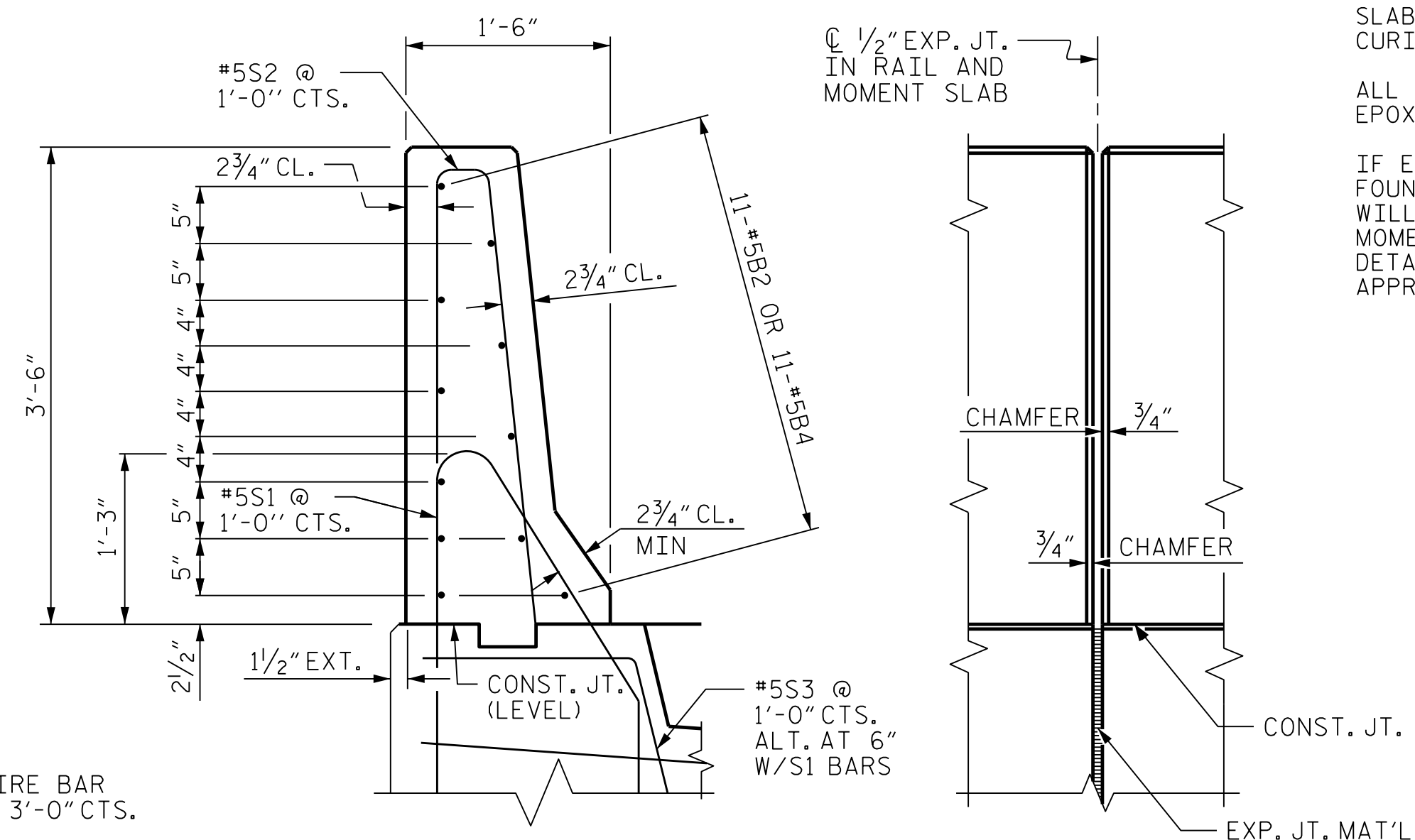
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	28	#4	STR	23'-7"	442
* B2	22	#5	STR	23'-7"	542
B3	14	#4	STR	24'-8"	231
* B4	11	#5	STR	24'-8"	284
G1	74	#5	STR	5'-6"	425
G2	74	#4	STR	5'-6"	272
* S1	74	#5	1	7'-3"	560
* S2	74	#5	2	7'-0"	541
S3	71	#5	3	4'-1"	303
REINFORCING STEEL					1673 LB
* EPOXY COATED REINFORCING STEEL					1927 LB
CLASS AA CONCRETE BARRIER RAIL					9.9 CY
CLASS A CONCRETE MOMENT SLAB					22.6 CY
CONCRETE BARRIER RAIL WITH MOMENT SLAB					73.1 LIN FT

NOTES:

- FOR CONCRETE BARRIER RAIL WITH MOMENT SLAB, SEE SECTION 460 OF THE STANDARD SPECIFICATIONS.
- CONCRETE BARRIER RAIL WITH MOMENT SLAB SHALL BE A MINIMUM OF 15' IN LENGTH.
- EXPANSION JOINTS SHALL BE PLACED IN THE BARRIER RAIL AND MOMENT SLAB AT A MAXIMUM SPACING OF 30'.
- GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED SURFACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. A CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MID-POINT OF BARRIER RAIL SEGMENTS LESS THAN 20' IN LENGTH.
- THE BARRIER RAIL SHALL NOT BE CAST UNTIL THE MOMENT SLAB HAS ATTAINED AN AGE OF THREE CURING DAYS OR A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI. IN ADDITION, NO FILL MATERIAL, ASPHALT, OR CONSTRUCTION EQUIPMENT IS ALLOWED ON THE MOMENT SLAB PRIOR TO SATISFYING THE MINIMUM CONCRETE CURING AND STRENGTH REQUIREMENTS.
- ALL REINFORCING STEEL IN THE BARRIER RAIL SHALL BE EPOXY COATED.
- IF EXISTING OR FUTURE OBSTRUCTIONS SUCH AS FOUNDATIONS, BARRIERS, PIPES, INLETS OR UTILITIES WILL INTERFERE WITH CONCRETE BARRIER RAIL WITH MOMENT SLAB, CONCRETE BARRIER RAIL WITH MOMENT SLAB DETAILS SHALL BE REVISED AND SUBMITTED FOR APPROVAL.



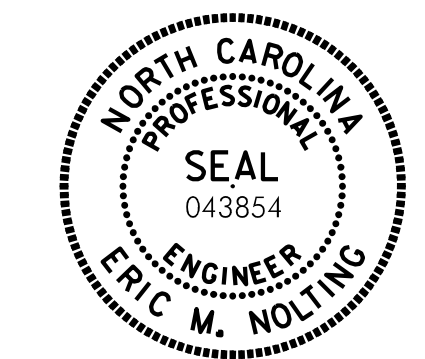
CONCRETE BARRIER RAIL WITH MOMENT SLAB



SECTION THRU RAIL

ELEV. @ EXP. JOINTS

BARRIER RAIL DETAILS



Eric Nolting 1/24/2022

PROJECT NO. B-3186/B-5898
HAYWOOD COUNTY
STATION: 68+82.30± -L-LT-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
CONCRETE BARRIER RAIL WITH MOMENT SLAB
DETAILS

REVISIONS						SHEET NO. 303L-37
NO.	BY:	DATE:	NO.	BY:	DATE:	
1	--	--	3	--	--	TOTAL SHEETS 44
2	--	--	4	--	--	

PLOT DRIVER: NCDOT STRUCTURES DEFAULT PLOTTER.pht
 USER: PPETERSO
 DATE: 1/24/2022
 TIME: 14:52:11 PM
 FILE: ... \403.180.B5898B3186.SMU.BR.037.430110.dgn

DES BY: E. NOLTING	DATE: 07/21	DWG BY: B. PETERSON	DATE: 07/21
DES CHK: F. CORDOVA	DATE: 07/21	CHK BY: F. CORDOVA	DATE: 07/21



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED