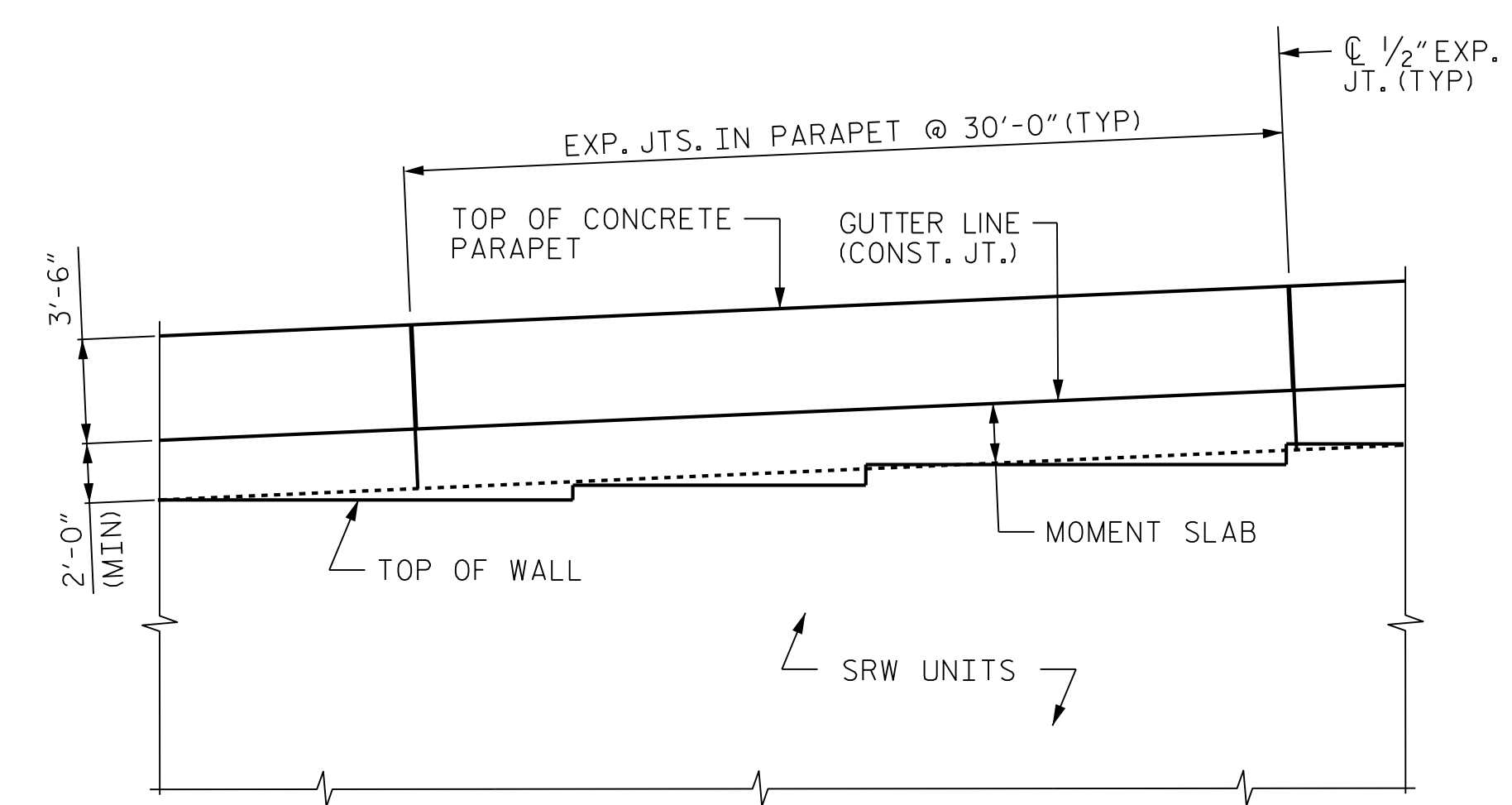


CONCRETE PARAPET WITH MOMENT SLAB



CONCRETE PARAPET WITH MOMENT SLAB - PARTIAL ELEVATION

**NOTES:**

CONCRETE PARAPET WITH MOMENT SLAB SHALL BE A MINIMUM OF 15' IN LENGTH.

EXPANSION JOINTS SHALL BE PLACED IN THE PARAPET 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 PARAPET AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. A CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN PARAPET EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MID-POINT OF PARAPET SEGMENTS LESS THAN 20' IN LENGTH.

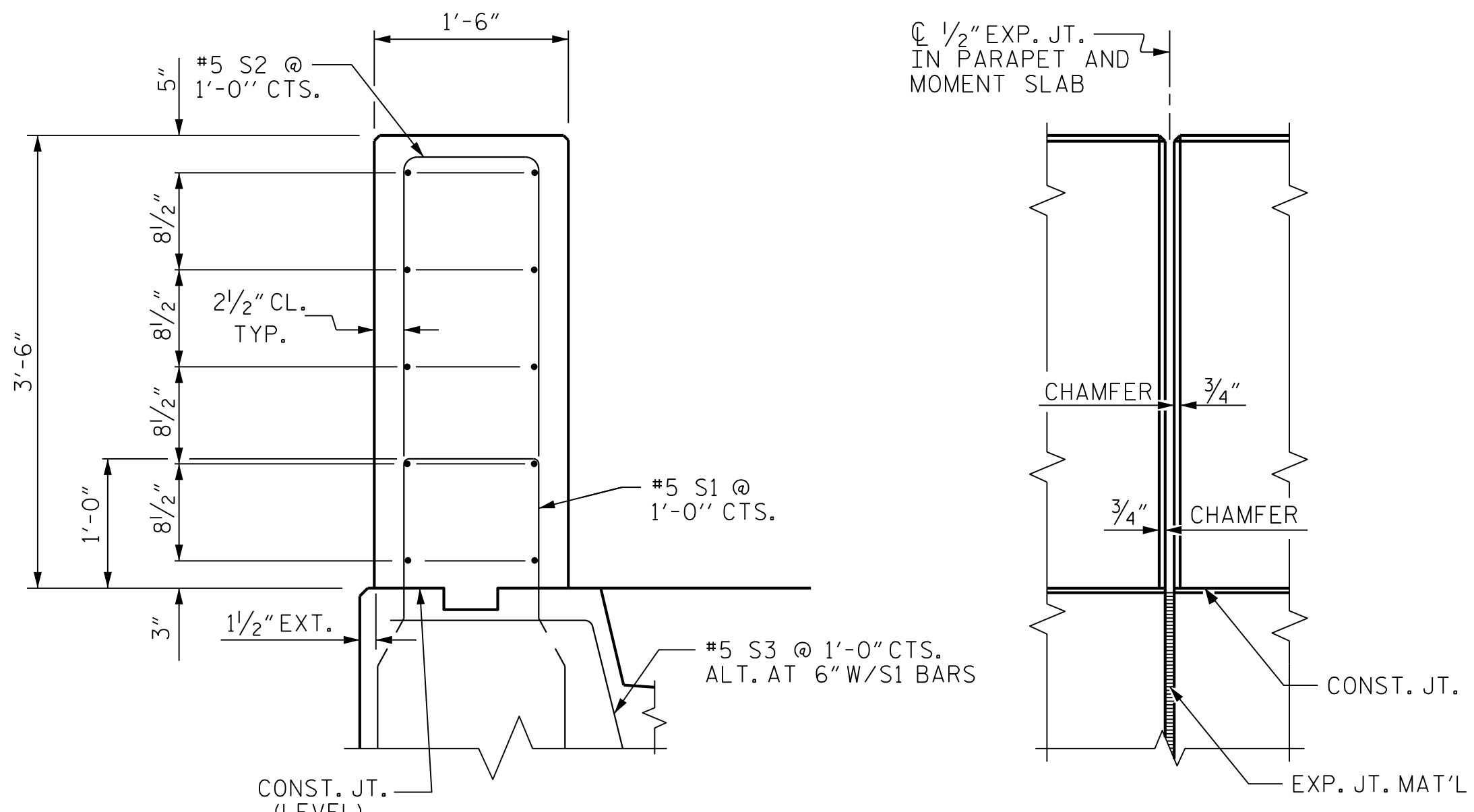
THE PARAPET SHALL NOT BE CAST UNTIL THE MOMENT SLAB HAS ATTAINED AN AGE OF THREE CURING DAYS OR A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI. IN ADDITION, NO FILL MATERIAL, ASPHALT, OR CONSTRUCTION EQUIPMENT IS ALLOWED ON THE MOMENT SLAB PRIOR TO SATISFYING THE MINIMUM CONCRETE CURING AND STRENGTH REQUIREMENTS.

ALL REINFORCING STEEL IN THE PARAPET SHALL BE EPOXY COATED.

IF STEPS ARE REQUIRED AT TOP OF WALL, DETAILS SHOWING INTERFACE BETWEEN BOTTOM OF MOMENT SLAB AND STEPS SHALL BE SUBMITTED FOR APPROVAL.

IF EXISTING OR FUTURE OBSTRUCTIONS SUCH AS FOUNDATIONS, BARRIERS, PIPES, INLETS OR UTILITIES WILL INTERFERE WITH CONCRETE PARAPET WITH MOMENT SLAB, CONCRETE PARAPET WITH MOMENT SLAB DETAILS SHALL BE REVISED AND SUBMITTED FOR APPROVAL.

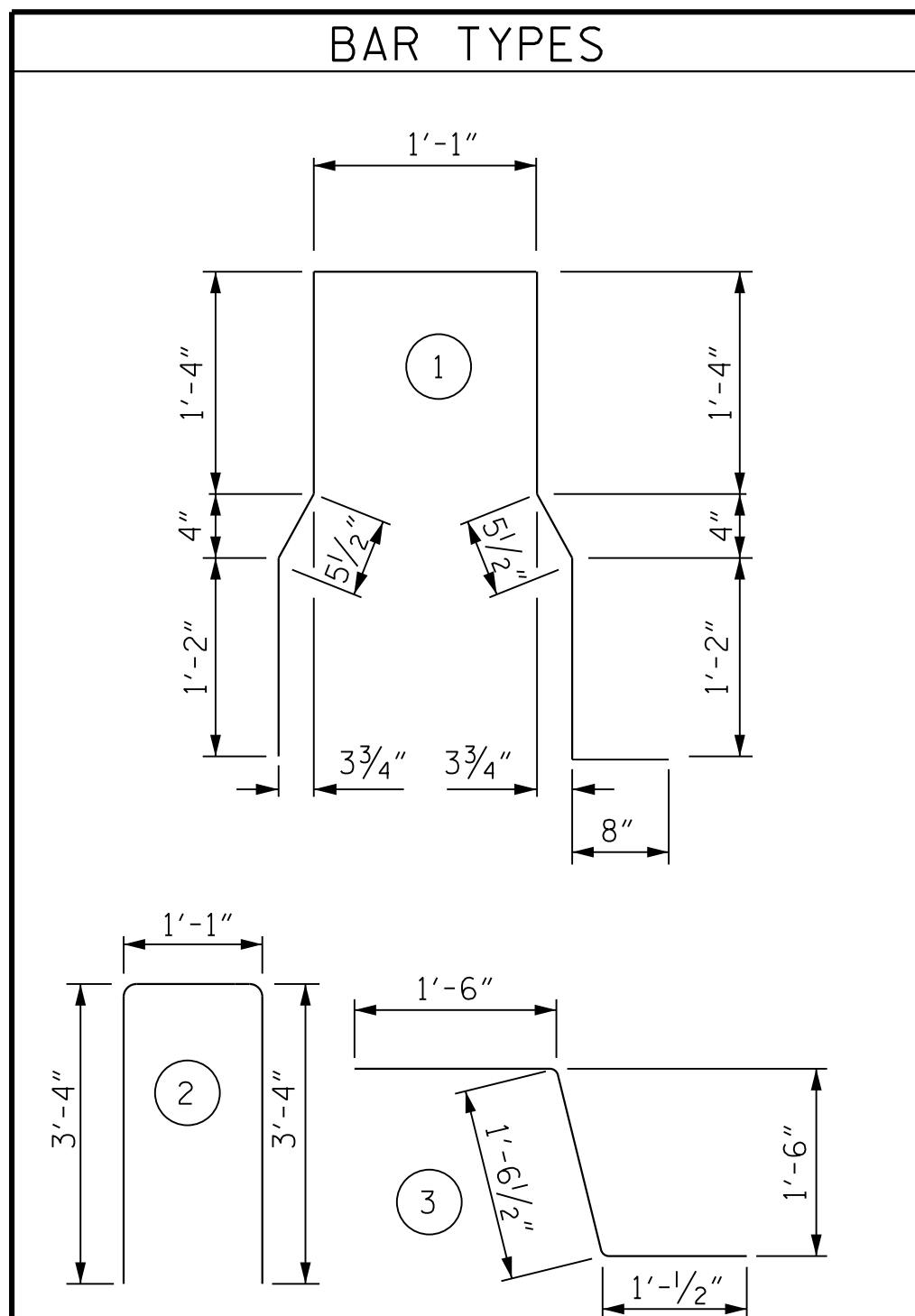
CONCRETE PARAPET WITH MOMENT SLAB PAY LENGTH = 206 LIN FT
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SECTION THRU PARAPET

ELEV. @ EXP. JOINTS

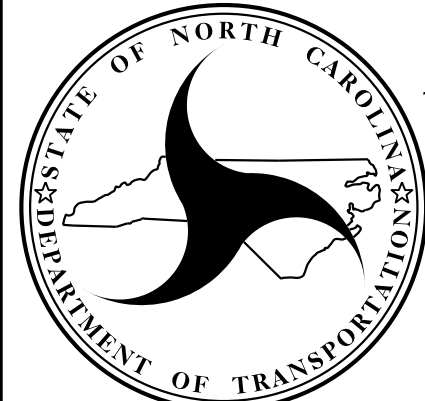
PARAPET DETAILS



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL					
FOR ONE 30'-0" SECTION OF CONCRETE PARAPET WITH MOMENT SLAB					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	14	#4	STR	29'-7"	277
* B2	10	#5	STR	29'-7"	309
G1	31	#5	STR	5'-6"	178
G2	31	#4	STR	5'-6"	114
* S1	31	#5	1	7'-0"	226
* S2	31	#5	2	7'-9"	251
S3	30	#5	3	4'-1"	128
REINFORCING STEEL					697 LB
* EPOXY COATED REINFORCING STEEL					786 LB
CLASS AA CONCRETE PARAPET					5.9 CY
CLASS A CONCRETE MOMENT SLAB					9.1 CY
CONCRETE PARAPET WITH MOMENT SLAB					30 LIN FT

PROJECT NO.: U-5104  
 TRANSYLVANIA COUNTY  
 STATION: 19+83.00 -L- to 21+90.79 -L-  
 SHEET 5 OF 5



**NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS**

**GEOTECHNICAL  
ENGINEERING UNIT**

CONCRETE BARRIER RAIL WITH MOMENT SLAB FOR SEGMENTAL RETAINING WALL (SRW) UNITS					
REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		