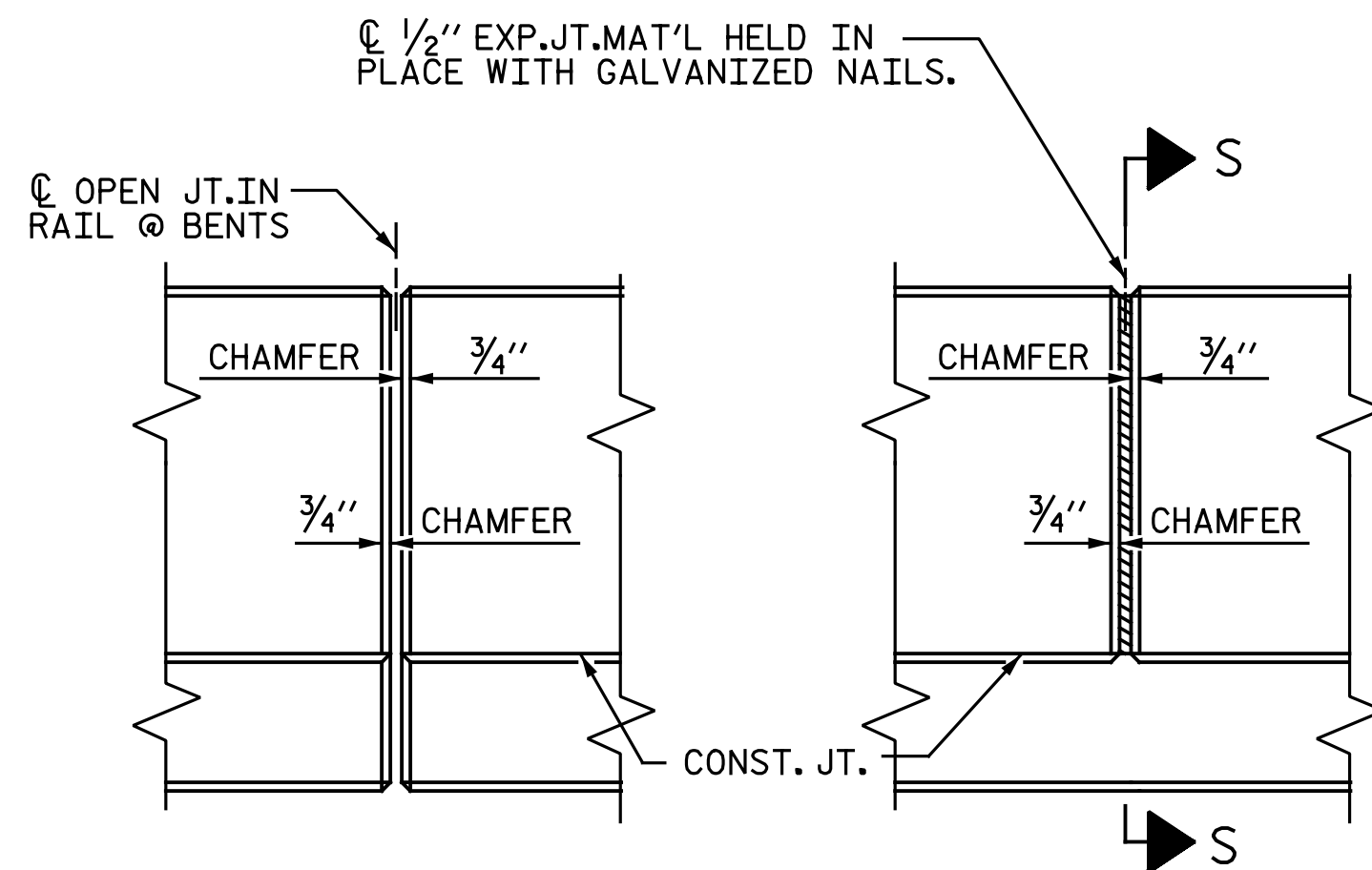


SECTION THRU RAIL



ELEVATION AT EXPANSION JOINTS

(NOTE: OMIT EXPANSION JOINT MATERIAL WHEN SLIP FORM IS USED.)

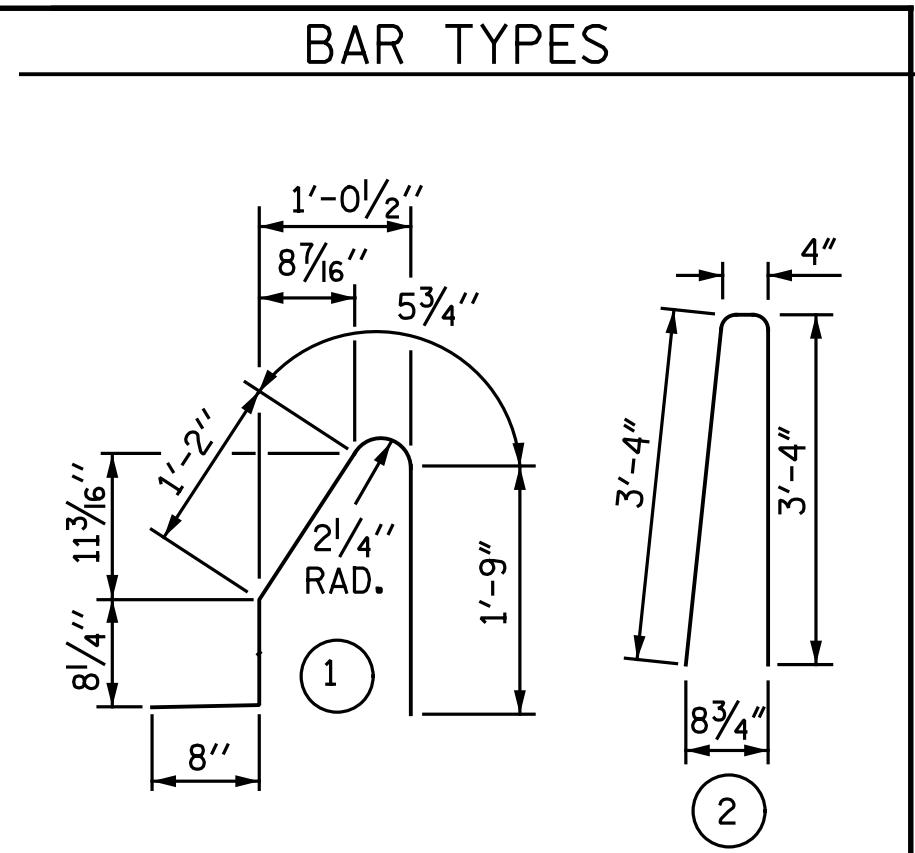
BARRIER RAIL DETAILS

NOTES:

THE BARRIER RAIL IN A CONTINUOUS UNIT SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT UNIT 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.



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

FOR CONCRETE BARRIER RAIL ONLY

| BAR NO. | SIZE | TYPE | LENGTH | WEIGHT |
|---------|------|-------|----------|--------|
| B1E | 1100 | 5 STR | 23' - 4" | 26,770 |
| B2E | 44 | 5 STR | 22' - 3" | 1,021 |
| S1E | 2466 | 5 | 4' - 9" | 12,217 |
| S2E | 2466 | 5 | 7' - 0" | 18,004 |

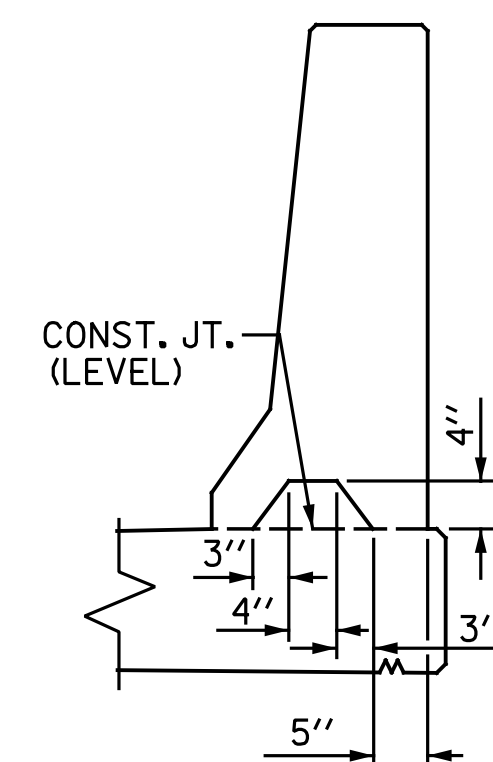
EPOXY COATED REINFORCING STEEL 58,012 LBS.

CLASS AA CONCRETE 335.2 CU. YDS.

▲ CONCRETE BARRIER RAIL 2,505.8 LIN. FT.

"E" SUFFIX DENOTES EPOXY COATED REINFORCING STEEL

▲ LENGTH OF VERTICAL CONCRETE BARRIER RAIL ON APPROACH SLABS ARE INCLUDED IN THIS LENGTH.



SECTION S-S

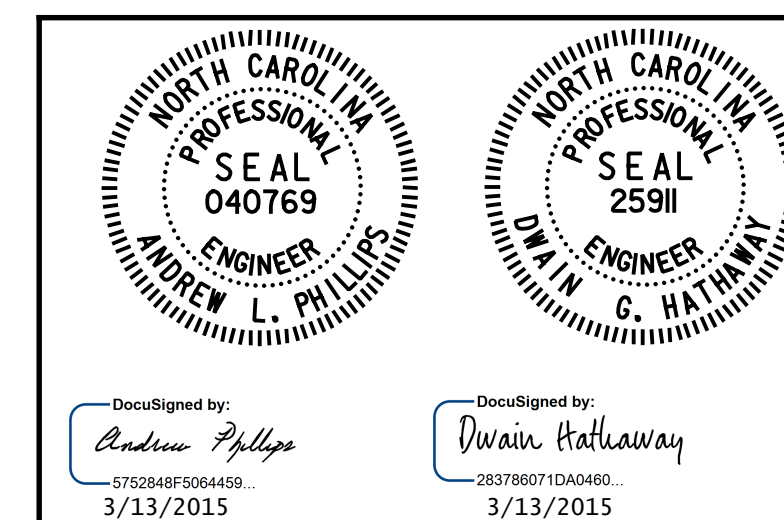
AT DAM IN OPEN JOINT (THIS IS TO BE USED ONLY WHEN SLIP FORM IS USED)

PROJECT NO. R-2514D

JONES COUNTY

STATION: 389+47.50 -L-

SHEET 5 OF 5



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE
CONCRETE BARRIER RAIL

LEFT LANE

| REVISIONS | | | | | | SHEET NO. |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO. | BY: | DATE: | NO. | BY: | DATE: | S07-29 |
| 1 | | | 3 | | | TOTAL SHEETS |
| 2 | | | 4 | | | 68 |

Baker

Michael Baker Engineering
8000 Regency Parkway, Suite 600
Cary, North Carolina 27518
NC License No.: F-1084

DWG. 29 OF 68