

END OF RAIL DETAILS DATE: ASSEMBLED BY : CHECKED BY : DATE: RWW/LES

FOR ADHESIVE ANCHORING AT SAWED JOINTS

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 20.7 MPa.

THE JOINT IN THE DECK SHALL BE SAWED PRIOR TO THE CASTING OF BARRIER RAIL.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

THE #16 S3 AND #16 S4 BARS SHALL BE INSTALLED, USING AN ADHESIVE ANCHORING SYSTEM, AFTER SAWING THE JOINT. FOR ADHESIVELY ANCHORED ANCHOR BOLTS OR DOWELS, SEE SPECIAL PROVISIONS. THE YIELD LOAD FOR THE #16 S3 AND #16 S4 BARS IS 82.7 kN. FIELD TESTING FOR THE ADHESIVE BONDING SYSTEM IS NOT REQUIRED.

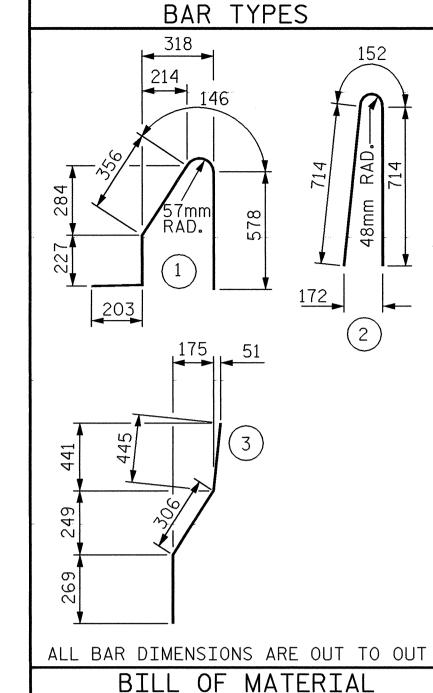
←#16 S2 @ 300mm CTS.

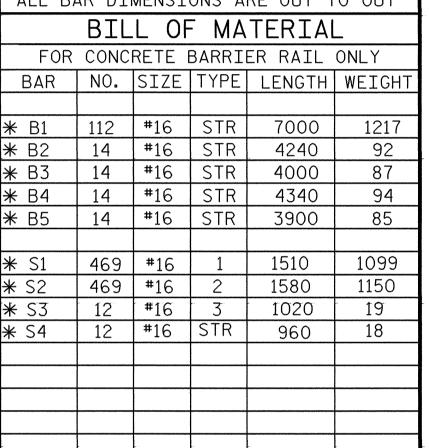
19MM CHAMFER

38 EXT.

#16 "B"BARS (TYP.)

VERTICAL GROOVED CONTRACTION JOINTS, 12mm 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 6.1m IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 3.5m IN LENGTH.





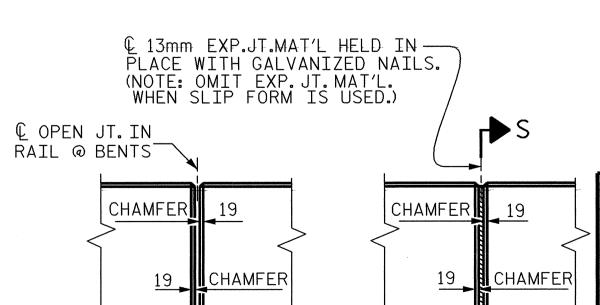
* EPOXY COATED REINFORCING STEEL

CLASS AA CONCRETE

CONCRETE BARRIER RAIL 144.016 METERS

3861 kç

36.1 CU. METER



CONST

SECTION THRU RAIL

#16 S1 @ ____ 300mm CTS.

"B"BARS

(LEVEL)

IN SLAB OVERHANG

2-25mm △ GROOVES

HIGH BEAM BOLSTER 300

ELEVATION AT EXPANSION JOINTS BARRIER RAIL DETAILS



TRANSYSTEMS CORPORATION

3-5-5

75 Beattie Place, Suite 400 Greenville, SC 29601 (864) 234-0866

SECTION S-S

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

CONST. JT. -

(LEVEL)

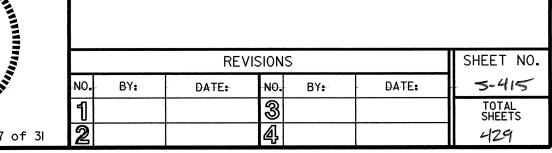
R-2552AB PROJECT NO. **JOHNSTON**

COUNTY 52+34.693 -L- = STATION: _ 18+60**.**011 -Y2-

SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD

> CONCRETE BARRIER RAIL



DRAWN BY: ARB 5/87

CHECKED BY : SJD 9/87

REV. 10/17/00 REV. 5/7/03R

RWW/LES

RWW/JTI