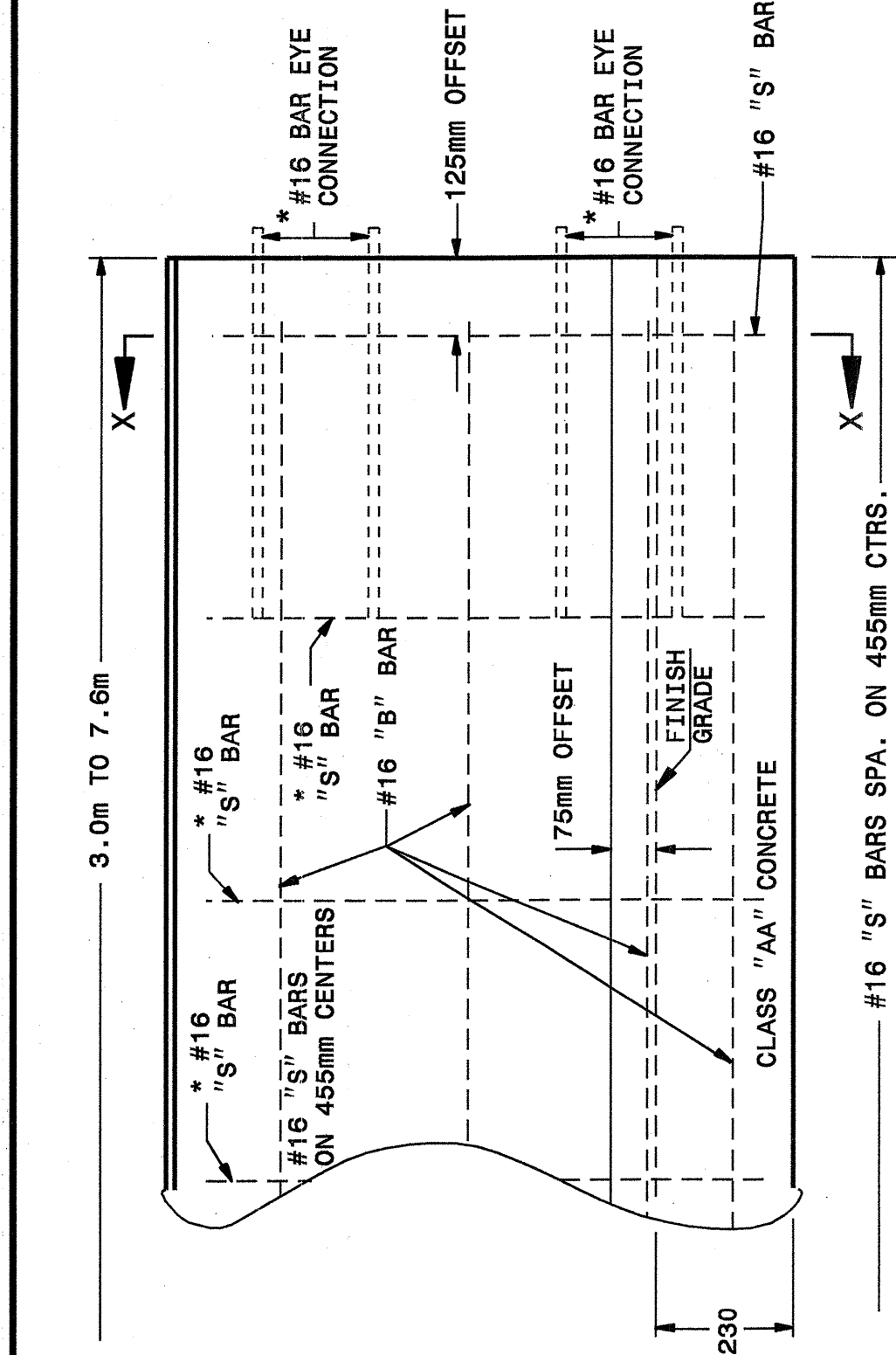


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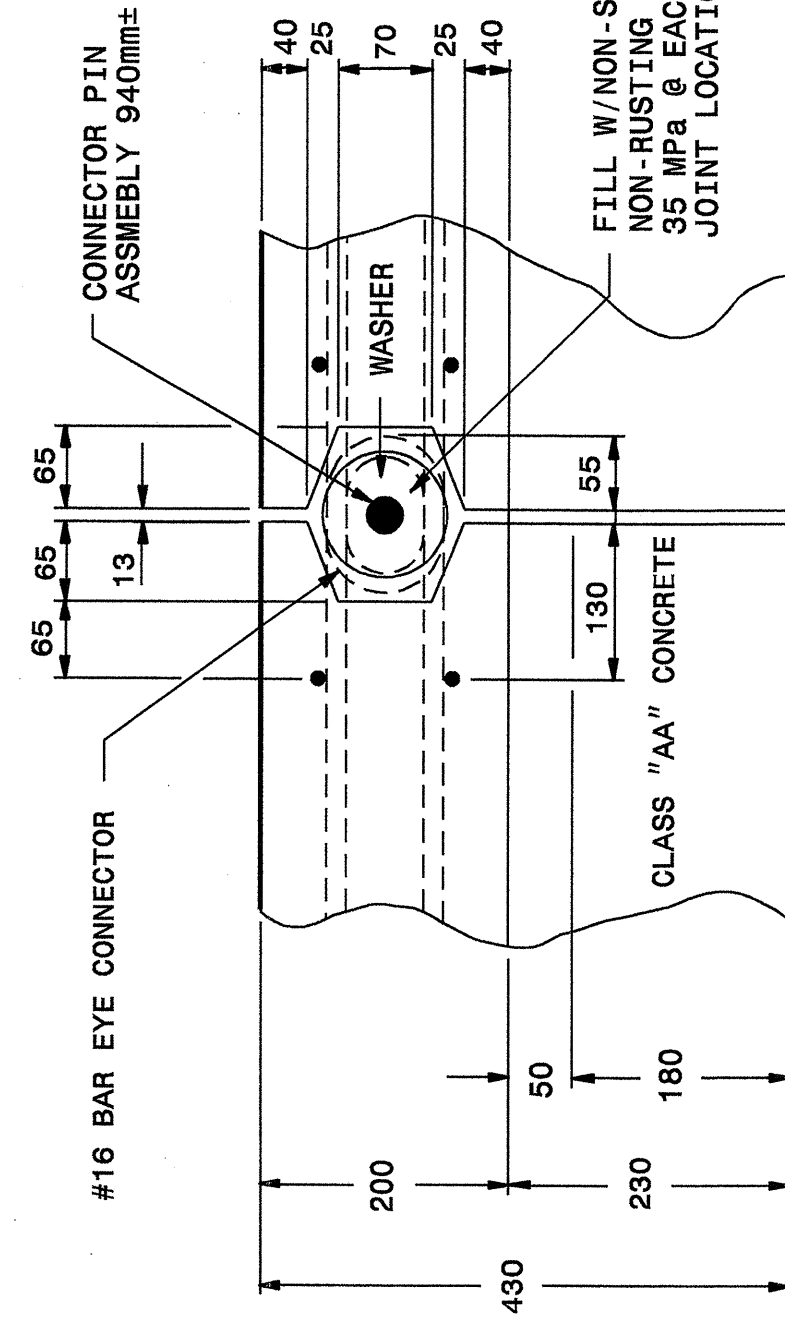
STATE OF  
 NORTH CAROLINA  
 DEPT. OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH, N.C.

METRIC DETAIL DRAWING FOR  
**PRECAST REINFORCED  
 CONCRETE BARRIER**  
 1.0m SINGLE FACED

SHEET 5 OF 8  
**857D01**

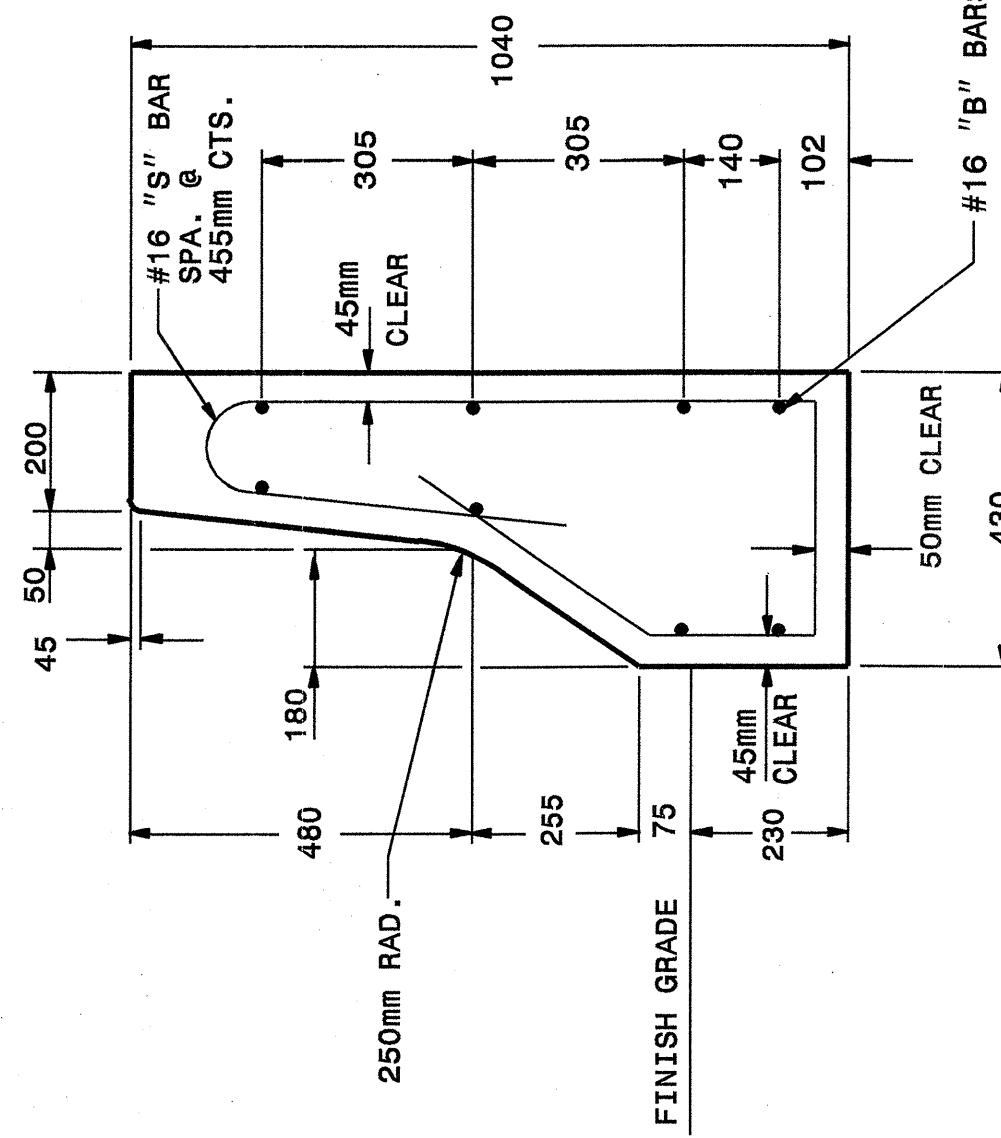


**PART FRONT ELEVATION**



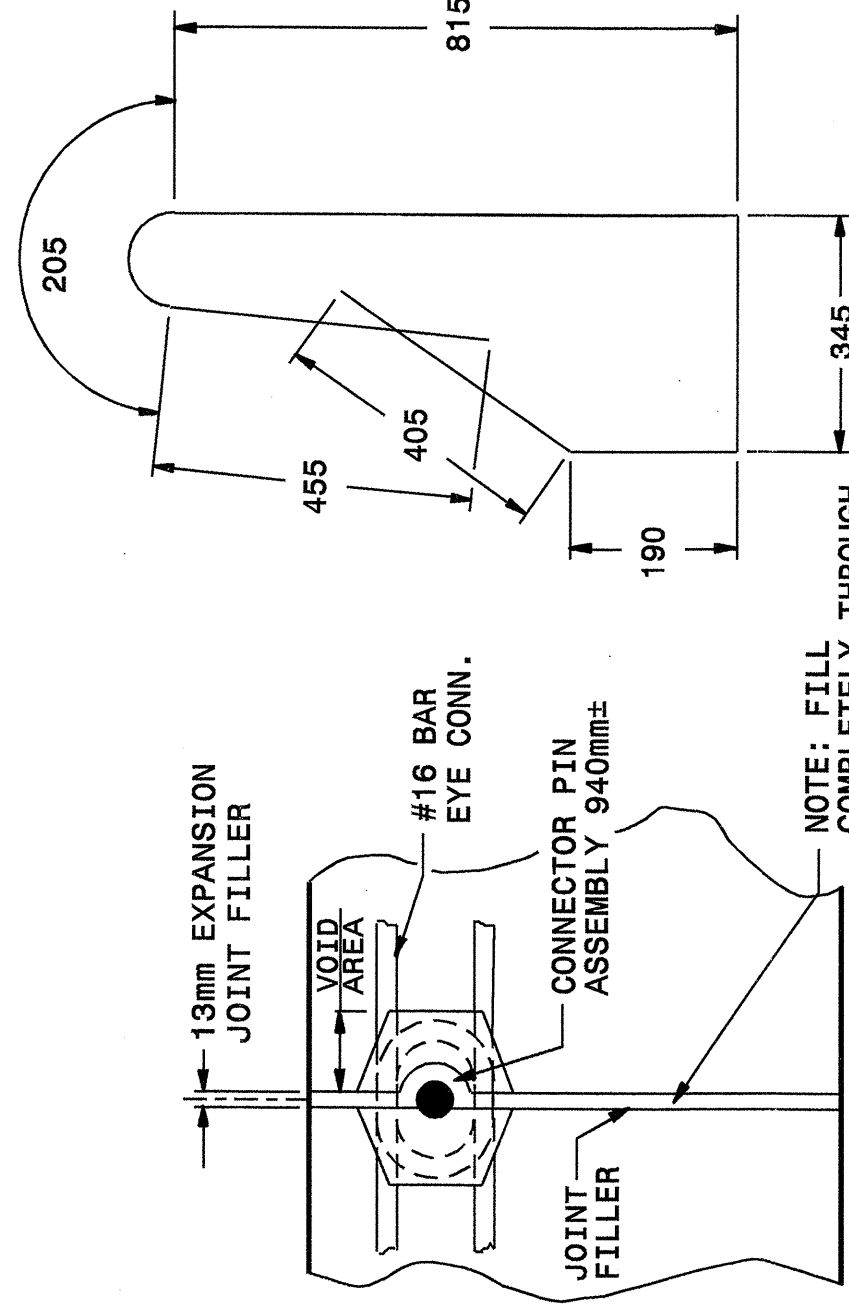
**PLAN OF BONDED CONNECTION OF PRECAST UNIT**

**Note:**  
 This drawing is dimensioned in  
 millimeters unless otherwise  
 depicted within the drawing.



**DETAIL X-X  
 CROSS SECTIONAL VIEW**

\*SEE SHEET 4  
 FOR DIMENSIONS



**JOINT FILLER DETAIL**

**NOTE:** FILL  
 COMPLETELY THROUGH  
 BARRIER SECTION  
 @ 24 mm±  
 INTERVALS

SHEET 5 OF 8  
**857D01**

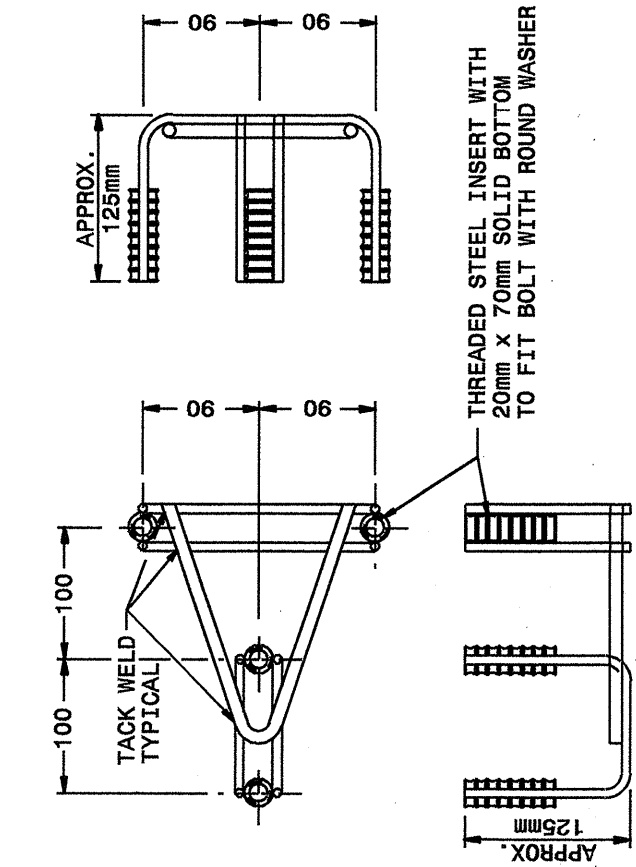
STATE OF  
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METRIC DETAIL DRAWING FOR  
**PRECAST REINFORCED  
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 1.0m SINGLE FACED

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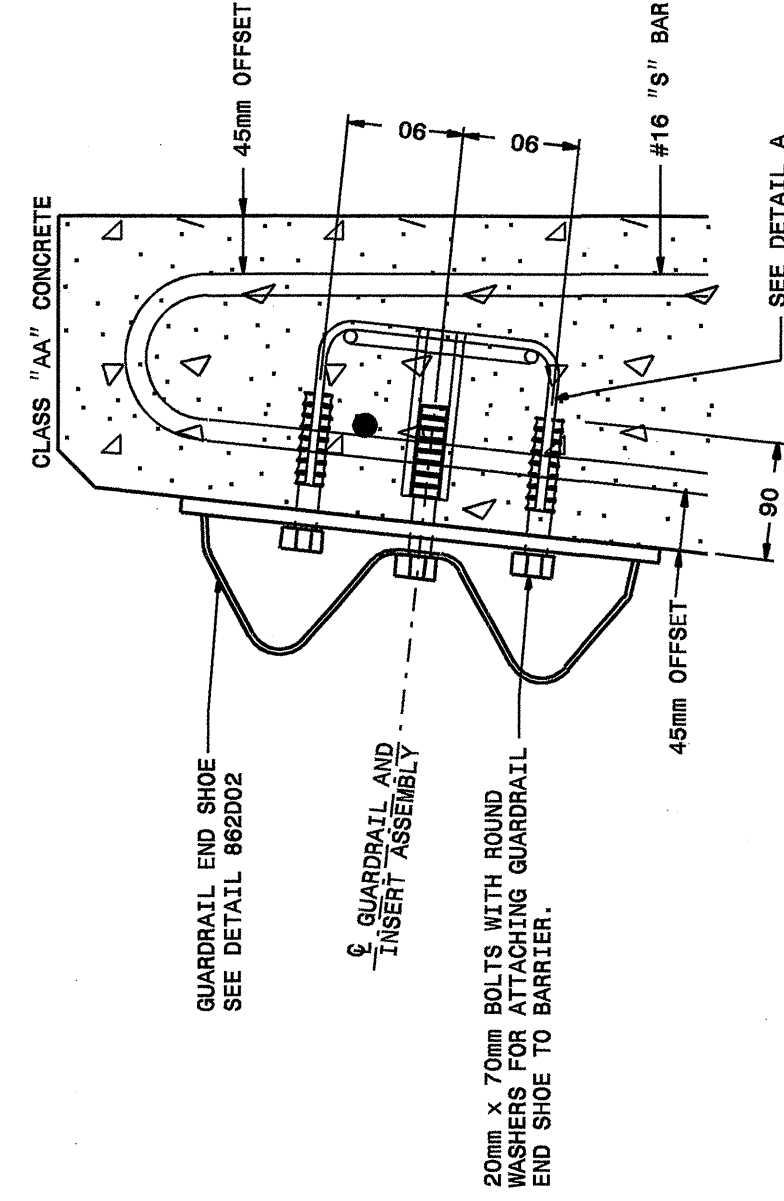
METRIC DETAIL DRAWING FOR  
**PRECAST REINFORCED  
 CONCRETE BARRIER**  
 1.0m SINGLE FACED

SHEET 6 OF 8  
**857D01**



**DETAIL A**

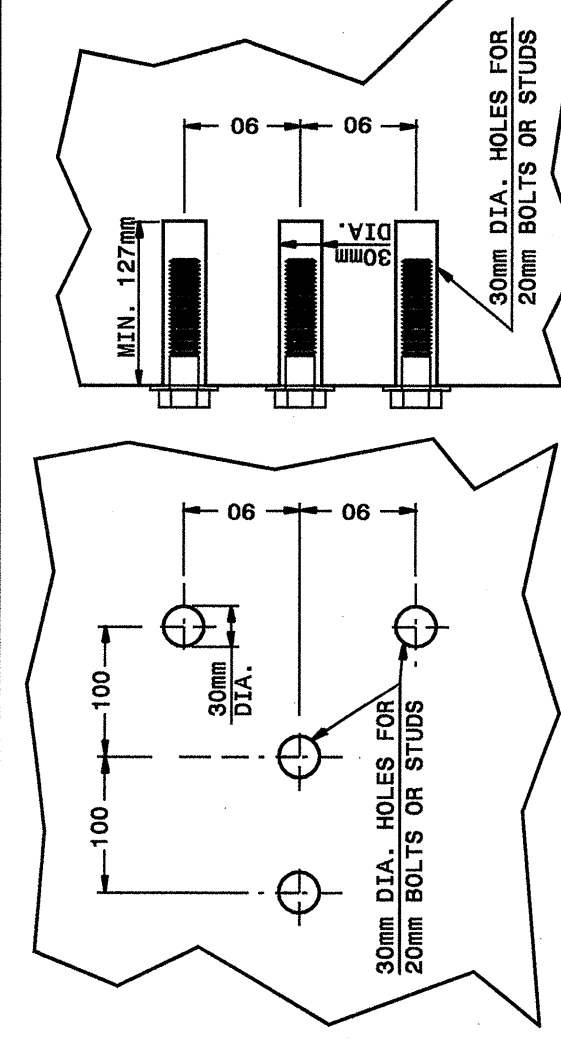
**4 BOLT INSERT ASSEMBLY**



**PART SECTION  
 OF BARRIER  
 THRU END SHOE SECTION AND  
 4 BOLT INSERT ASSEMBLY**

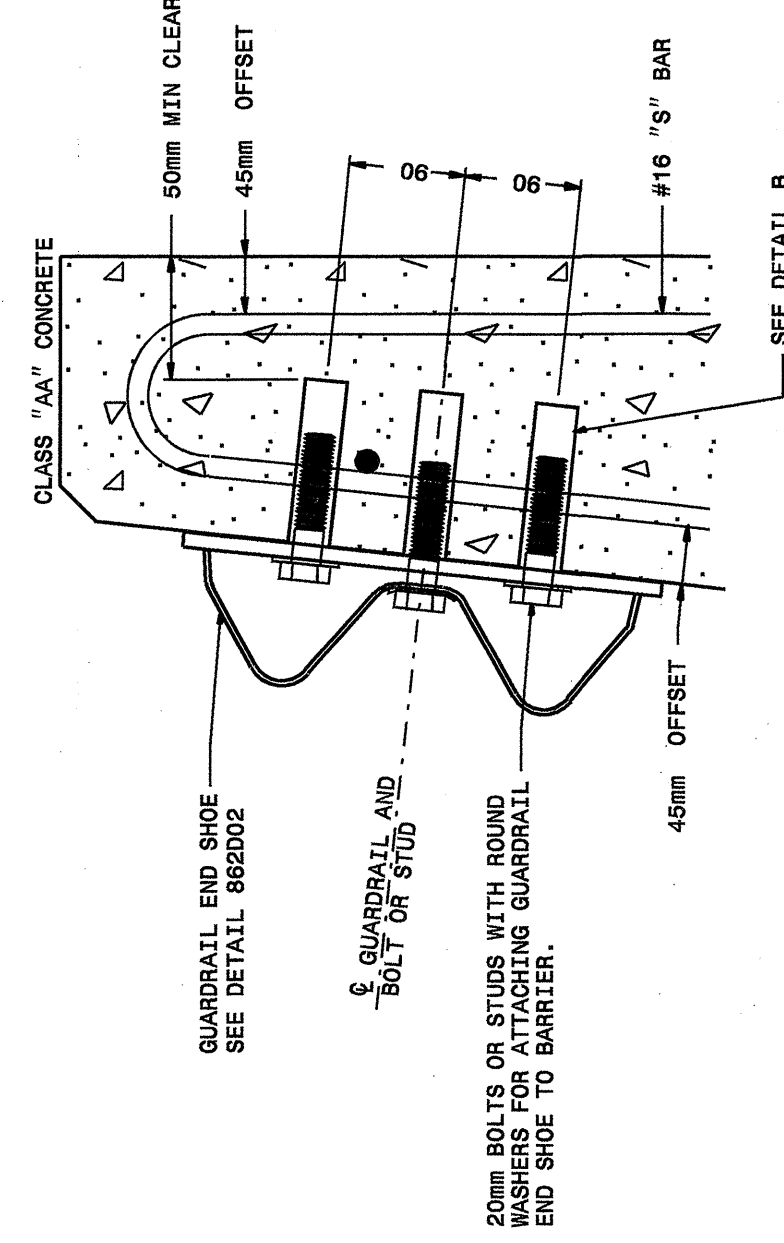
**Note:**  
 This drawing is dimensioned in  
 millimeters unless otherwise  
 depicted within the drawing.

- NOTES FOR CHEMICAL BONDING BOLTS OR STUDS:**
1. REMOVE ALL DIRT, DUST, RUST, WATER AND OTHER CONTAMINANTS FROM THE HOLE.
  2. PLACE ADHESIVE INTO EACH HOLE TO DEVELOP 125% OF THE YIELD STRENGTH OF THE BOLT OR STUD.
  3. PERFORM TESTING OF THE BOLT OR STUD TO 90% OF THE SPECIFIED STRENGTH IN THE PRESENCE OF THE ENGINEER.
  4. MAKE NO SEPARATE PAYMENT FOR THIS TYPE OF INSTALLATION OR TESTING.



**DETAIL B**

**CHEMICAL BONDING**



**PART SECTION  
 OF BARRIER  
 THRU END SHOE SECTION AND  
 CHEMICALLY BOUND BOLTS OR STUDS**

SHEET 6 OF 8  
**857D01**

STATE OF  
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 RALEIGH, N.C.

METRIC DETAIL DRAWING FOR  
**PRECAST REINFORCED  
 CONCRETE BARRIER**  
 1.0m SINGLE FACED

DESIGN SERVICES UNIT  
 STANDARDS AND SPECIAL DESIGN  
 Office 919-250-4128 FAX 919-250-4119

**SEE PLATE FOR TITLE**

ORIGINAL BY: 2002 STD.857.01 DATE:  
 MODIFIED BY: E.E. WARD DATE: 6-12-03  
 CHECKED BY: E.E. WARD DATE:  
 FILE SPEC.: /usr/stds/02stdetail/metric/85701/857d01m.dgn

