PROJECT REFERENCE NO.	SHEET NO.
R-0513C	2-FF

METRIC

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 6 OF 8 **857D01**

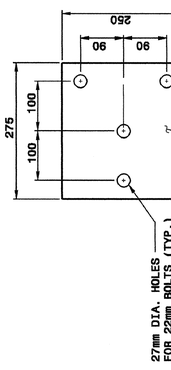
NOTES FOR 4 BOLT HOLD DOWN PLATE

THE GUARDRAIL ANCHOR ASSEMBLY SHALL CONSIST OF A 6mm HOLD DOWN PLATE AND 4 - 22mm DIA. BOLTS WITH NUTS AND WASHERS.

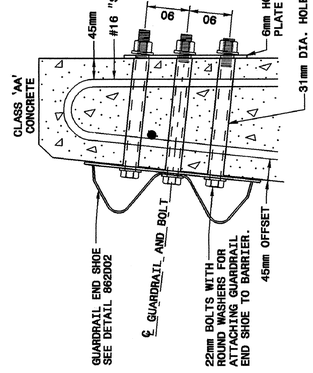
THE HOLD-DOWN PLATE SHALL CONFORM TO AASHTO M270 GRADE 36. AFTER FABRICATION, THE HOLD-DOWN PLATES SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH AASHTO M111.

AFTER INSTALLATION, THE EXPOSED THREAD OF THE BOLT SHALL BE BURRED WITH A SHARP POINTED TOOL.

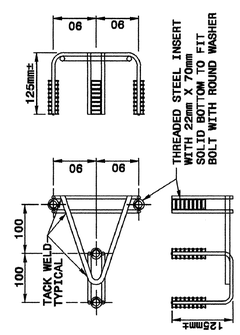
THE 31mm DIA. HOLES SHALL BE FORMED OR DRILLED WITH A CORE BIT. IMPACT TOOLS WILL NOT BE PERMITTED. ANY CONCRETE DAMAGED DURING THIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.



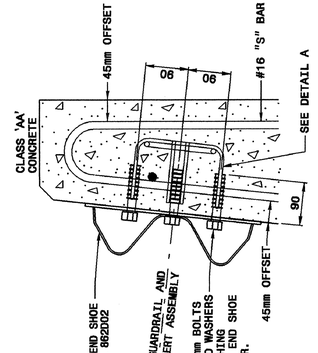
DETAIL B
4 BOLT HOLD DOWN PLATE



PART SECTION OF BARRIER
THRU END SHOE SECTION AND 4 BOLT HOLD DOWN PLATE



DETAIL A
4 BOLT INSERT ASSEMBLY



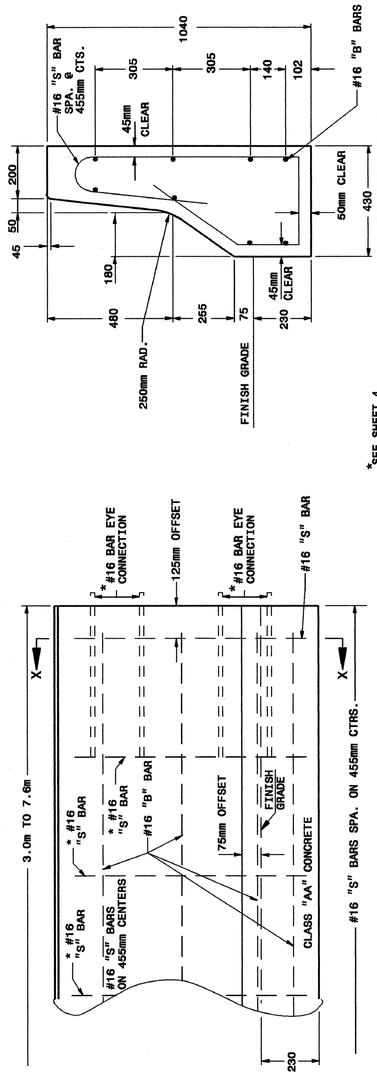
PART SECTION OF BARRIER
THRU END SHOE SECTION AND 4 BOLT INSERT ASSEMBLY

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

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

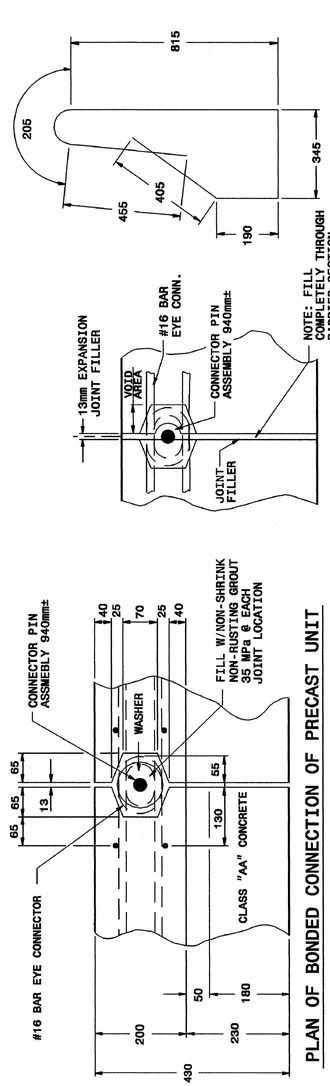
METRIC DETAIL DRAWING FOR
PRECAST REINFORCED CONCRETE BARRIER
1.0m SINGLE FACED

SHEET 5 OF 8 **857D01**



PART FRONT ELEVATION

DETAIL X-X
CROSS SECTIONAL VIEW



S - BARS
#16 BAR

JOINT FILLER DETAIL

PLAN OF BONDED CONNECTION OF PRECAST UNIT JOINT FILLER

Note:
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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**

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: 4-07-04
CHECKED BY: DATE:
FILE SPEC.: /usr/stds/02todetail/metric/85701/857d01m.dgn

NORTH CAROLINA PROFESSIONAL SEAL 022966 ENGINEER J. S. HOWERTON
7/22/04

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