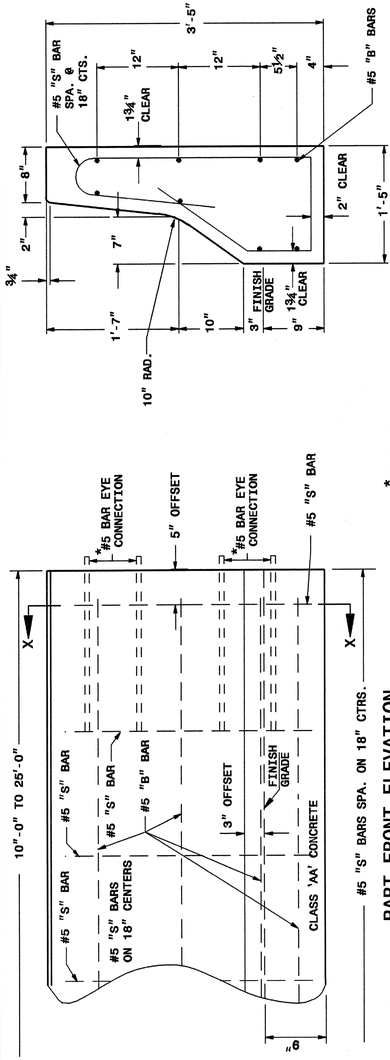
PROJECT REFERENCE NO.	SHEET NO.
B-3451	2-G

5/14/99

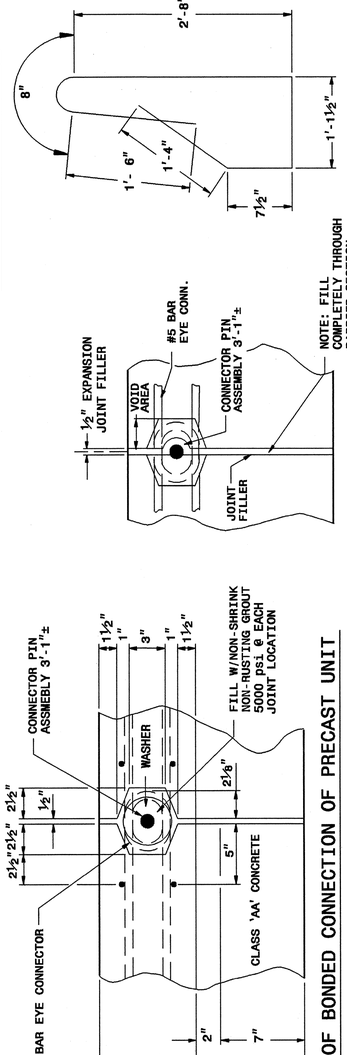
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.



PART FRONT ELEVATION

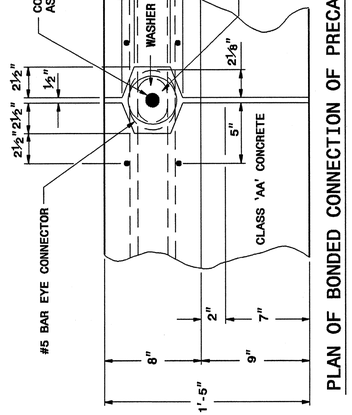
DETAIL X-X
CROSS SECTIONAL VIEW

*SEE SHEET 4 FOR DIMENSIONS



JOINT FILLER DETAIL

S - BARS
#5 BAR



PLAN OF BONDED CONNECTION OF PRECAST UNIT

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

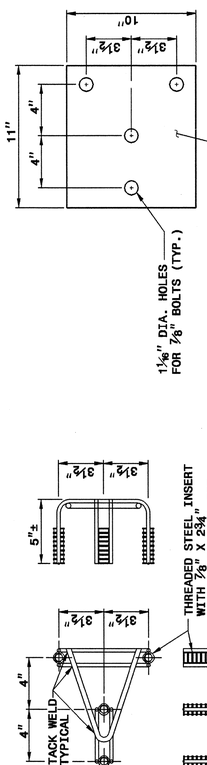
NOTES FOR 4 BOLT HOLD DOWN PLATE

THE GUARDRAIL ANCHOR ASSEMBLY SHALL CONSIST OF A ¼" HOLD DOWN PLATE AND 4 - ⅝" DIA. BOLTS WITH NUTS AND WASHERS.

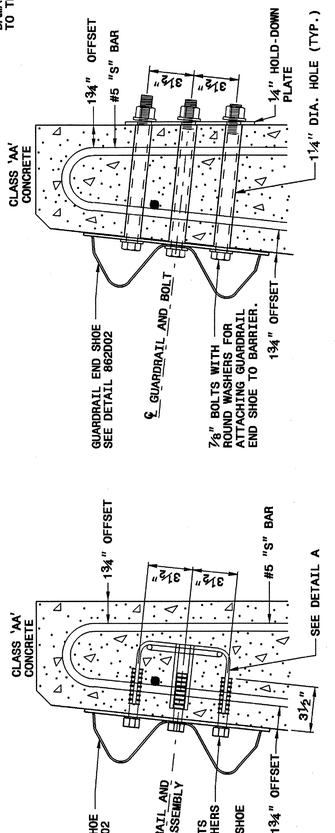
THE HOLD-DOWN PLATE SHALL CONFORM TO AASHTO M270 GRADE 36. AFTER FABRICATION, THE HOLD-DOWN PLATE SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AASHTO M111.

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

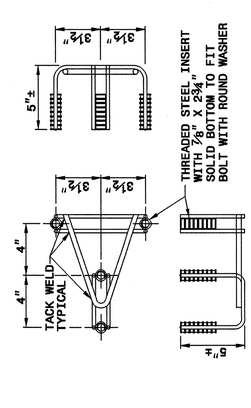
THE 1¼" DIA. HOLES SHALL BE FORMED OR DRILLED WITH A CORE BIT. IMPACT TOOLS WILL NOT BE PERMITTED AND CONCRETE DAMAGED BY THIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.



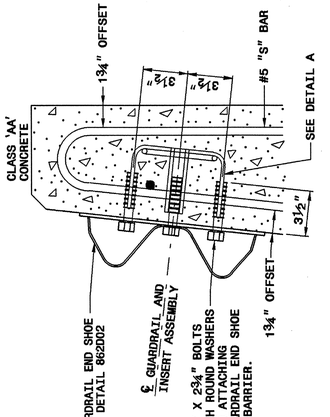
DETAIL B
4 BOLT HOLD DOWN PLATE



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

NORTH CAROLINA PROFESSIONAL SEAL 022966 ENGINEER JOEL O. HOWERTON
11/5/04

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:
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