5/14/99

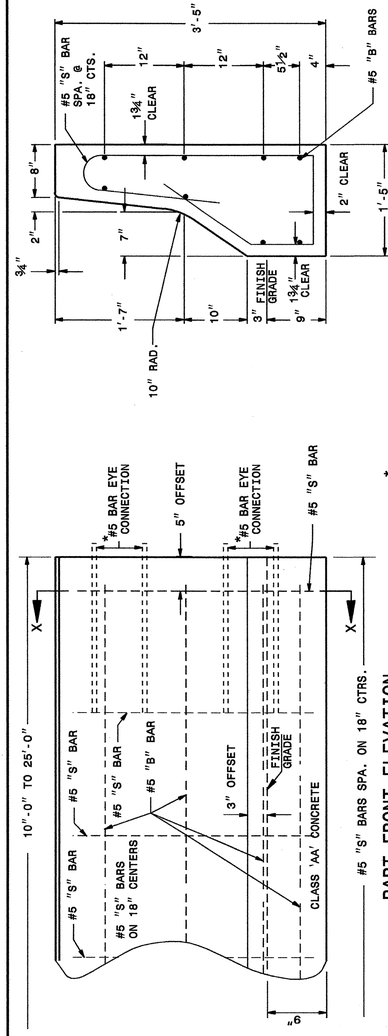
PROJECT REFERENCE NO.	SHEET NO.
B-3808	2-N

ENGLISH DETAIL DRAWING FOR

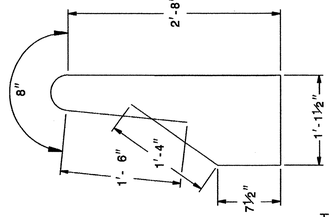
PRECAST REINFORCED CONCRETE BARRIER

41" SINGLE FACED

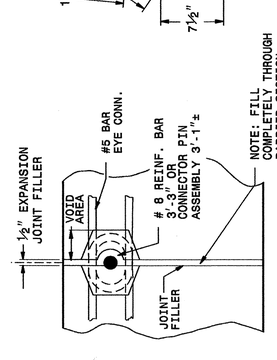
STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.



DETAIL X-X
CROSS SECTIONAL VIEW

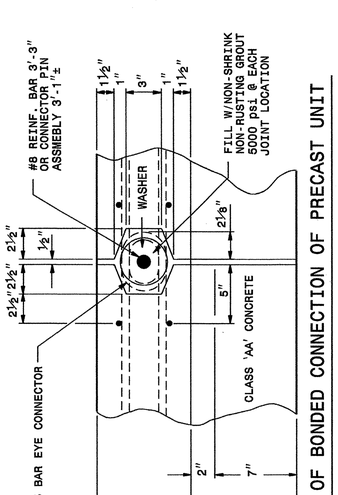


S - BARS
#5 BAR



JOINT FILLER DETAIL

PART FRONT ELEVATION



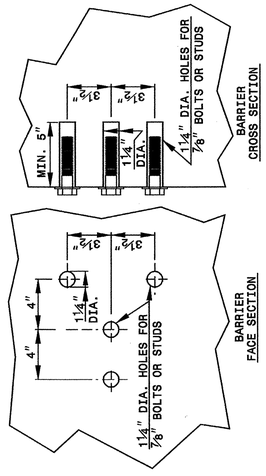
PLAN OF BONDED CONNECTION OF PRECAST UNIT

ENGLISH DETAIL DRAWING FOR

PRECAST REINFORCED CONCRETE BARRIER

41" SINGLE FACED

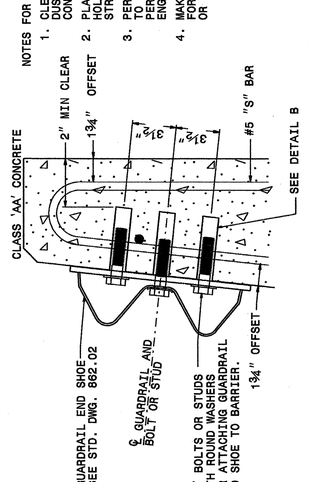
STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.



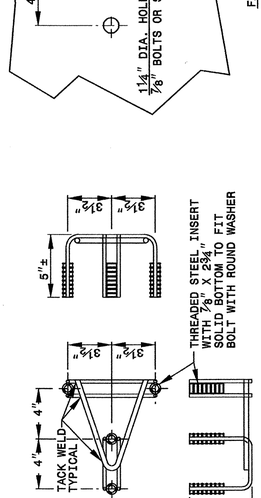
DETAIL B
CHEMICAL BONDING

NOTES FOR CHEMICAL BONDING BOLTS OR STUDS:

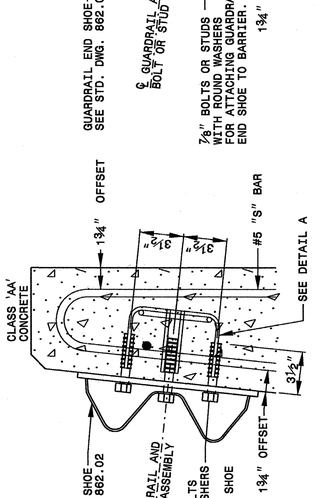
1. CLEAN THE HOLE OF ALL DIRT, DUST, RUST, WATER AND OTHER CONTAMINANTS.
2. PLACE SUFFICIENT ADHESIVE INTO EACH HOLE TO DISPLACE 10% OF THE YIELD STRENGTH OF THE BOLT OR STUD.
3. PERFORM TESTING OF THE BOLT OR STUD TO 90% OF THE SPECIFIED STRENGTH PERFORMED IN THE PRESENCE OF THE ENGINEER.
4. MAKE NO SEPARATE METHOD OF PAYMENT FOR THIS TYPE OF INSTALLATION OR TESTING.



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



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 S. HOWERTON
12/8/04

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. F. WARD	DATE: 5-23-02
CHECKED BY:	E. F. Ward	DATE:
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