5/14/99

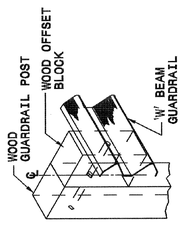
PROJECT REFERENCE NO.	SHEET NO.
B-3607	2-C

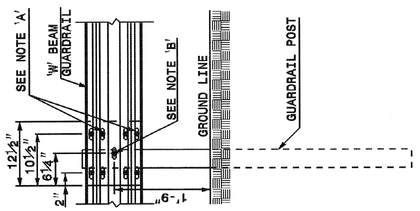
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

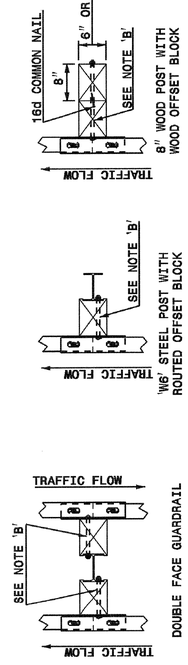
SHEET 3 OF 7
862D02

ISOMETRIC VIEWS

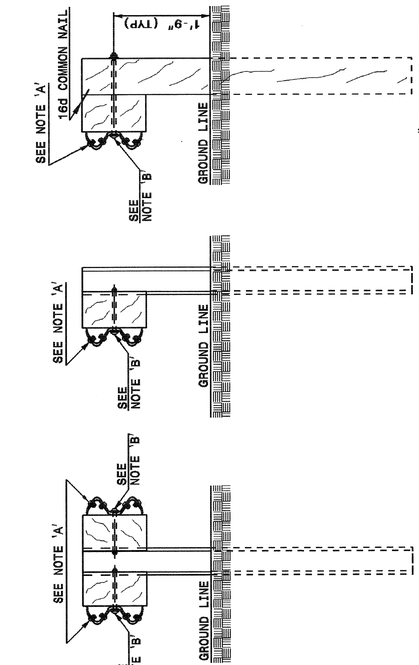




FRONT



PLAN



SIDE

NOTES:
A - ⅞" DIA. BUTTON HEAD SPLICE BOLT 1¼" LONG WITH STD. WASHER UNDER NUT (8 REQ. PER SPLICE JOINT).
B - ⅞" DIA. BUTTON HEAD BOLT 7½"/8" LONG WITH NUT FOR BOLTING 8"/8" ROUTED OFFSET BLOCK TO STEEL POSTS OR
⅞" DIA. BUTTON HEAD BOLT 18" LONG WITH STD. WASHER UNDER NUT FOR BOLTING TO WOOD POSTS (1 REQ. PER LOCATION)
C - FIELD PUNCHING OF HOLES INTO GUARDRAIL SHALL BE AS DIRECTED BY THE ENGINEER.

TYPICAL GUARDRAIL AND GUARDRAIL POST ALTERNATIVES

STATE OF
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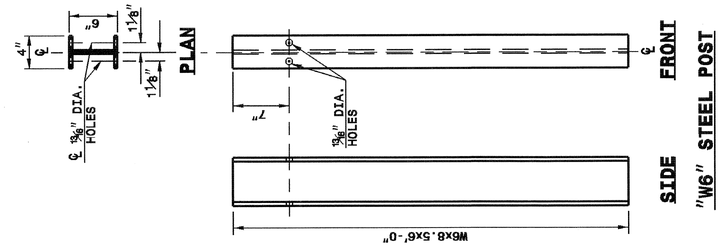
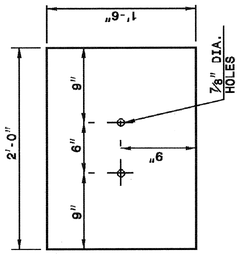
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

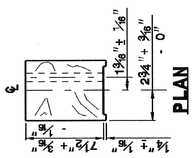
SHEET 4 OF 7
862D02

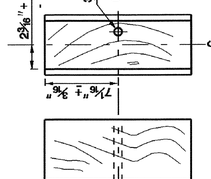


"W6" STEEL POST

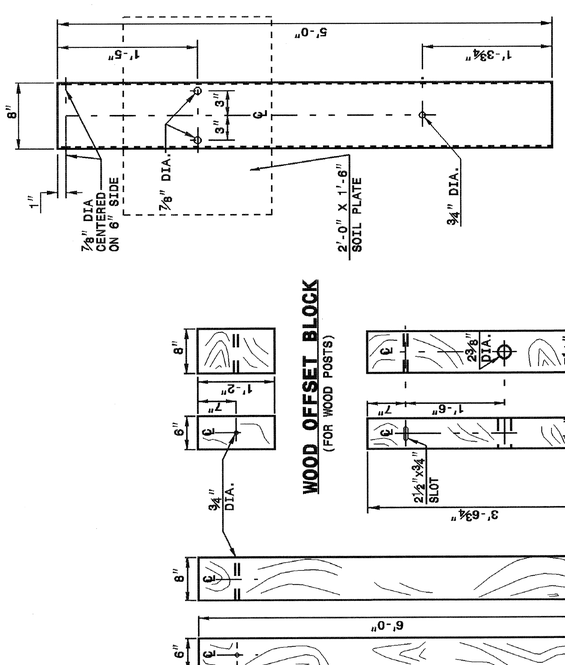


SOIL PLATE
¼" THICK PLATE

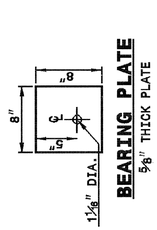




ROUTED WOOD OFFSET BLOCK

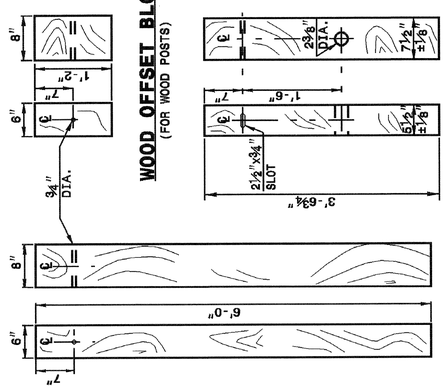


STEEL TUBE
TS 6"x8"x0.1875"



BEARING PLATE
⅝" THICK PLATE

SYSTEM PARTS



WOOD OFFSET BLOCK
(FOR WOOD POSTS)

SHORT WOOD BREAKAWAY POST

STANDARD LINE POST

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

SEE PLATE FOR TITLE

ORIGINAL BY: 2002 STD.862.02 DATE:
MODIFIED BY: E.E. WARD DATE: 02-09-03
CHECKED BY: DATE:
FILE SPEC.: /usr/stds/02todetail/english/86202/862d02.dgn

22-MAY-2003 13:39
User:Special Assignment
eriswell
Plot Scale = 1.000 '/ Inch
Plot Date = 21 MAY 2003
M:\Special Assignment\stds\02 Stds to Special Details\english\86202\862d02.dgn