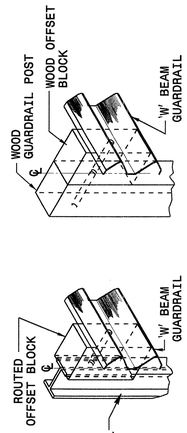
PROJECT REFERENCE NO.	SHEET NO.
B-3822	2-B

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

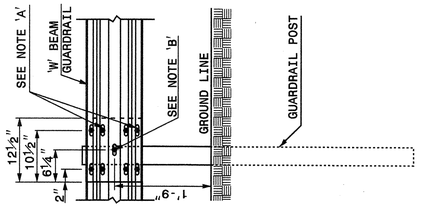
ENGLISH DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 3 OF 7
862D02

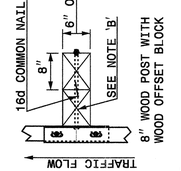
ISOMETRIC VIEWS



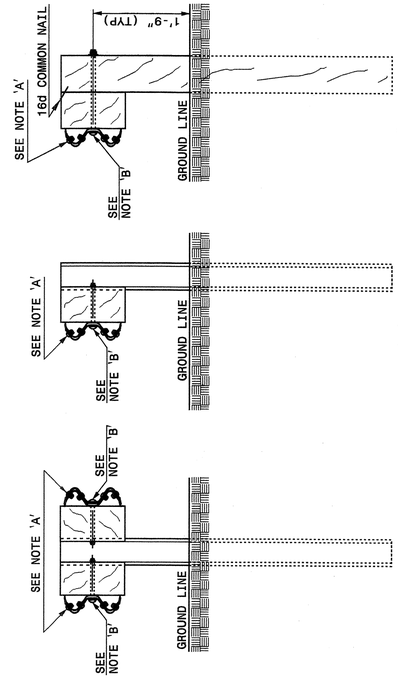
FRONT



PLAN



SIDE



TYPICAL GUARDRAIL AND GUARDRAIL POST ALTERNATIVES

NOTES:
A - ⅞" DIA. BUTTON HEAD SPLICE BOLT 1¼" LONG (8 REQ. PER SPLICE JOINT).
B - ⅞" DIA. BUTTON HEAD BOLT 7½"/9" LONG WITH NUT FOR BOLTING 6"/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.

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SHEET 4 OF 7
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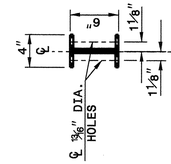
PLAN



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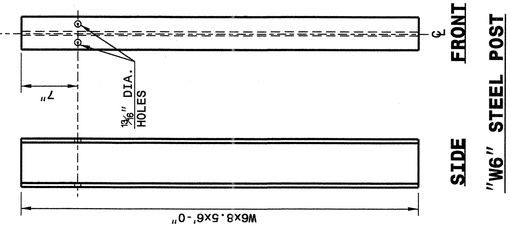
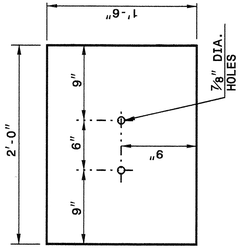


SIDE

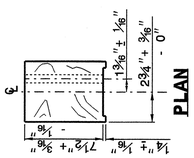
"W6" STEEL POST

SOIL PLATE

¼" THICK PLATE

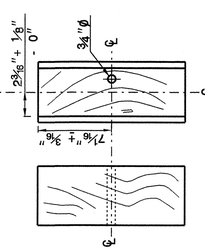


PLAN

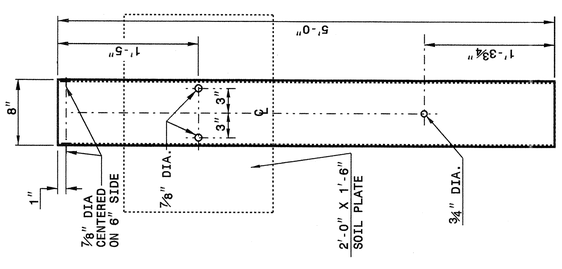


SIDE

ROUTED WOOD OFFSET BLOCK

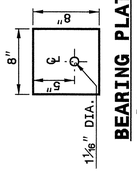


SYSTEM PARTS



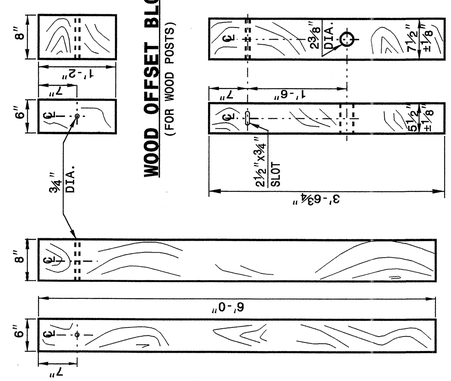
STEEL TUBE

TS 6"x8"xO.1875"



BEARING PLATE

⅝" THICK PLATE



WOOD OFFSET BLOCK

(FOR WOOD POSTS)

SHORT WOOD BREAKAWAY POST

STANDARD LINE POST

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ENGLISH DETAIL DRAWING FOR
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SHEET 4 OF 7
862D02

NORTH CAROLINA PROFESSIONAL SEAL 022966 ENGINEER JOHN S. HOWERTON
6/23/05

PROJECT 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: [signature] DATE: 10/21/04
FILE SPEC.: /wsj/stds/02todetail/english/86202/862d02.dgn

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