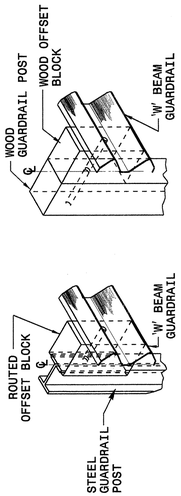
PROJECT REFERENCE NO.	SHEET NO.
B-4248	2-D

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

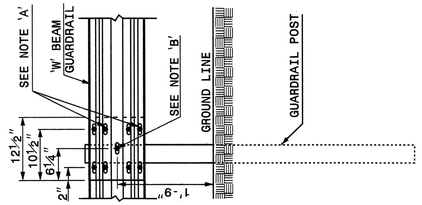
ENGLISH DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 3 OF 7
862D02

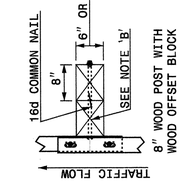
ISOMETRIC VIEWS



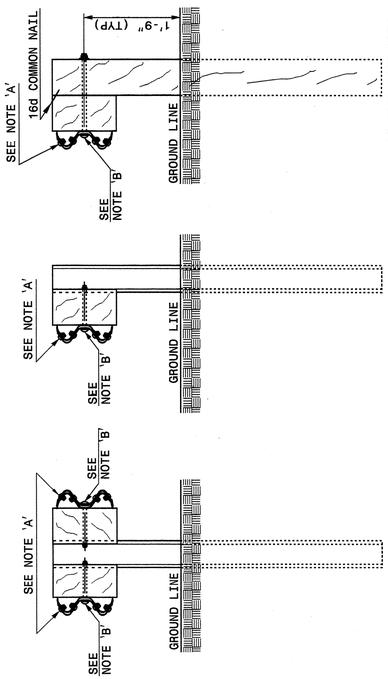
FRONT



PLAN



SIDE



TYPICAL GUARDRAIL AND GUARDRAIL POST ALTERNATIVES

NOTES:
A - ⅝" DIA. BUTTON HEAD SPLICE BOLT 1¼" LONG (8 REQ. PER SPLICE JOINT).
B - ⅝" DIA. BUTTON HEAD BOLT 7½"/9" LONG WITH NUT FOR BOLTING 6"/8" ROUTED OFFSET BLOCK TO STEEL POSTS OR
⅝" 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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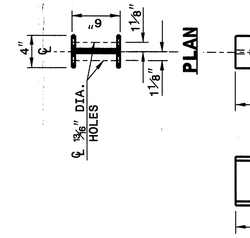
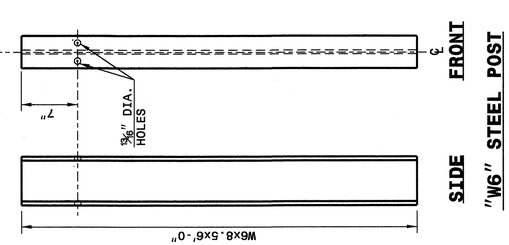
SHEET 4 OF 7
862D02

PLAN

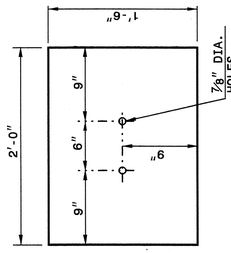


SIDE FRONT "W6" STEEL POST

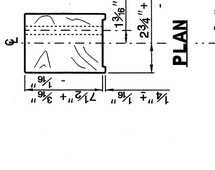


SOIL PLATE

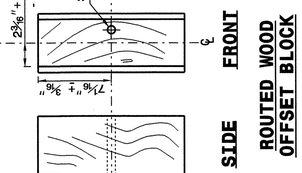
¼" THICK PLATE



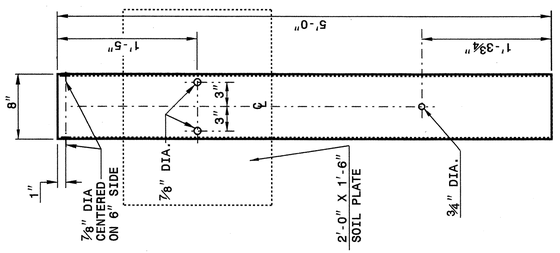
PLAN



SIDE FRONT ROUTED WOOD OFFSET BLOCK

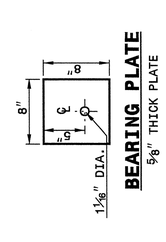


SYSTEM PARTS



STEEL TUBE

TS 6"x8"x0.1875"

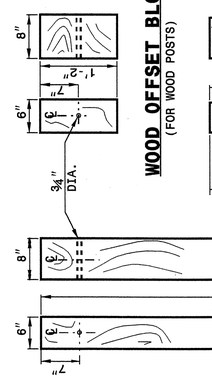


BEARING PLATE

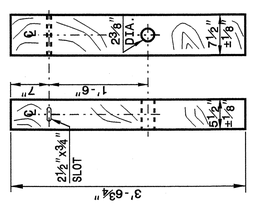
⅝" THICK PLATE

WOOD OFFSET BLOCK

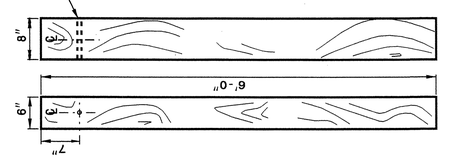
(FOR WOOD POSTS)



SHORT WOOD BREAKAWAY POST



STANDARD LINE POST



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SHEET 4 OF 7
862D02

NORTH CAROLINA PROFESSIONAL SEAL 022966 ENGINEER JOEL S. HOWERTON
1/14/05

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: 4-29-04
FILE SPEC.: /usr/stds/02todetail/english/86202/862d02.dgn

5/14/99

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