PROJECT REFERENCE NO.	SHEET NO.
U-2717	2-K

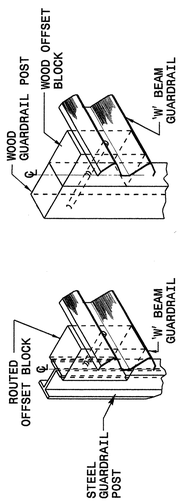
METRIC

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

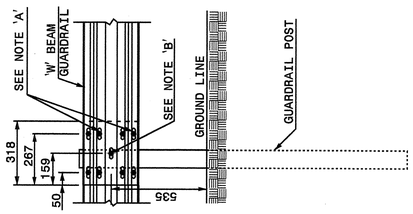
METRIC DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 3 OF 7
862D02

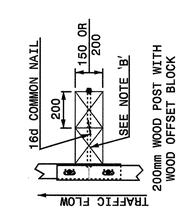
ISOMETRIC VIEWS



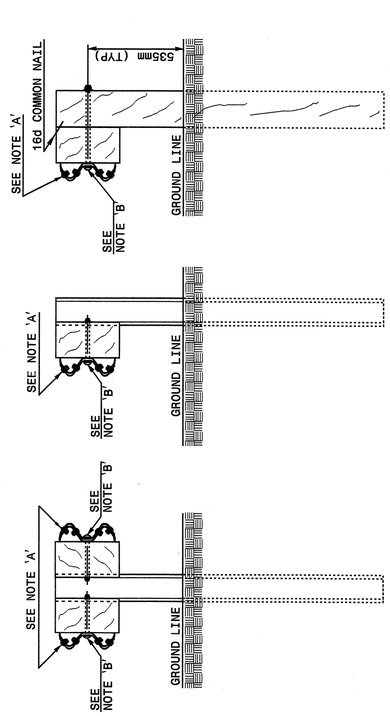
FRONT



PLAN



SIDE



NOTES:
A - 16mm DIA. BUTTON HEAD SPLICE BOLT 32mm LONG WITH STD. WASHER UNDER NUT (8 REQ. PER SPLICE JOINT).
B - 16mm DIA. BUTTON HEAD BOLT 190mm/228mm LONG WITH NUT FOR BOLTING 150mm/200mm ROUTED OFFSET BLOCK TO STEEL POSTS OR
16mm DIA. BUTTON HEAD BOLT 457mm LONG WITH STD. WASHER UNDER NUT FOR BOLTING TO WOOD POSTS (1 REQ. PER LOCATION)
C - FIELD PUNCH HOLES INTO THE GUARDRAIL AS DIRECTED BY THE ENGINEER.

TYPICAL GUARDRAIL AND GUARDRAIL POST ALTERNATIVES

Note:
This drawing is dimensioned in millimeters unless otherwise depicted within the drawing.

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SHEET 4 OF 7
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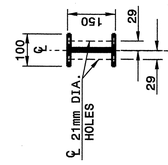
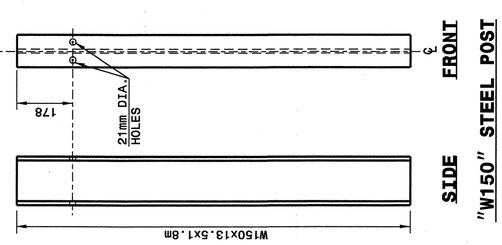
PLAN

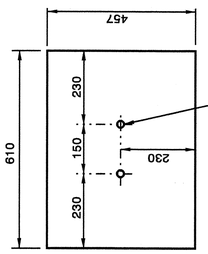


FRONT SIDE "W150" STEEL POST

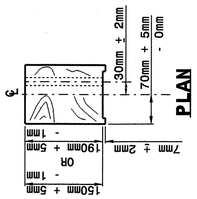


SOIL PLATE

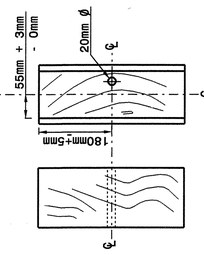
6mm THICK



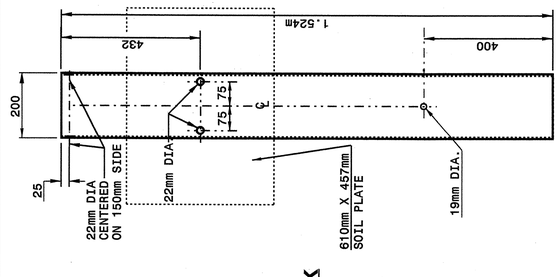
PLAN



FRONT SIDE ROUTED WOOD OFFSET BLOCK

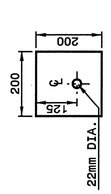


SYSTEM PARTS



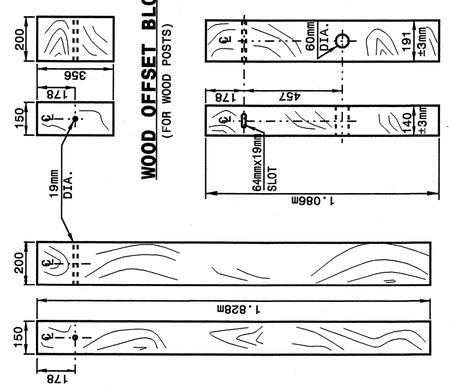
STEEL TUBE

TS 150mmx200mmx5mm



BEARING PLATE

16mm THICK PLATE



WOOD OFFSET BLOCK

(FOR WOOD POSTS)

SHORT WOOD BREAKAWAY POST

STANDARD LINE POST

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NORTH CAROLINA PROFESSIONAL SEAL 022966 ENGINEER JOE S. HOWERTON
8/17/09

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GUARDRAIL INSTALLATION

SHEET 3 OF 7
862D02

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

SEE PLATE FOR TITLE

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MODIFIED BY: E.E. WARD DATE: 02-09-03
CHECKED BY: DATE: 5-09
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