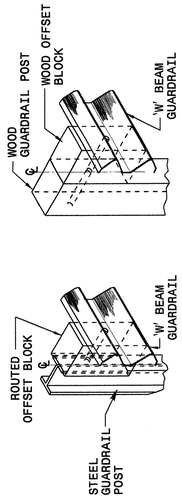
PROJECT REFERENCE NO.	SHEET NO.
U-2912	2-L

METRIC

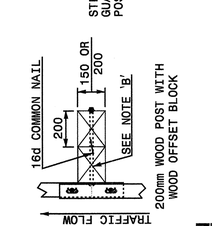
METRIC DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

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

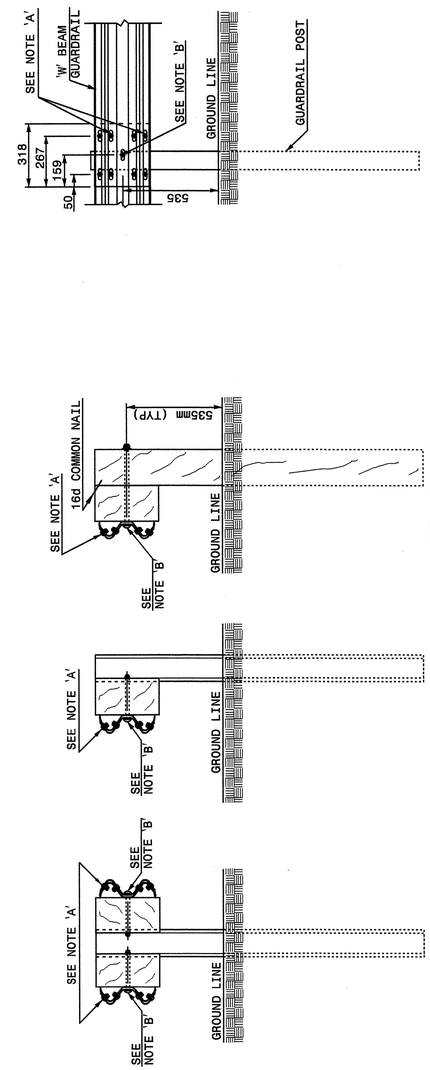
ISOMETRIC VIEWS



PLAN



FRONT



SIDE

TYPICAL GUARDRAIL AND GUARDRAIL POST ALTERNATIVES

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.

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

METRIC DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

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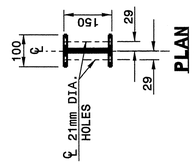
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

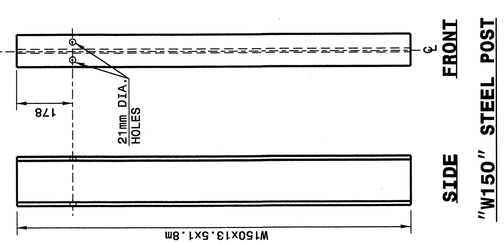
PLAN



FRONT

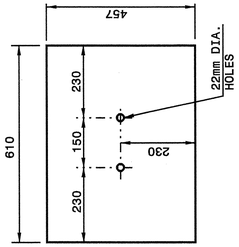
SIDE

"W150" STEEL POST



SOIL PLATE

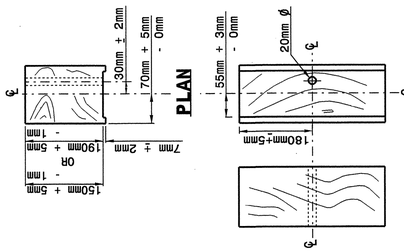
6mm THICK



PLAN

SIDE

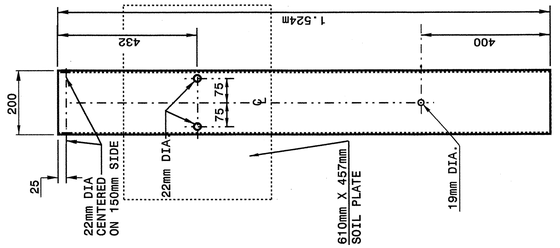
ROUTED WOOD OFFSET BLOCK



SYSTEM PARTS

STEEL TUBE

TS 150mmx200mmx5mm

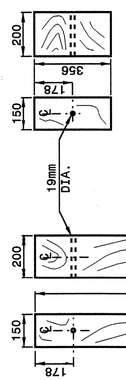


BEARING PLATE

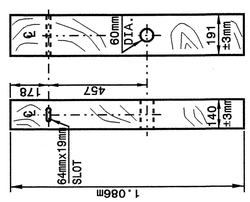
16mm THICK PLATE

WOOD OFFSET BLOCK

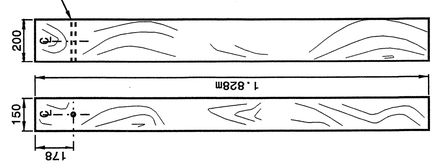
(FOR WOOD POSTS)



SHORT WOOD BREAKAWAY POST



STANDARD LINE POST



Note:
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NORTH CAROLINA PROFESSIONAL SEAL 022966 ENGINEER JOEL S. HOWERTON
9/15/04

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: 7/13/04
FILE SPEC.: /usr/stds/02todetail/metric/86202/862d02m.dgn

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