PROJECT REFERENCE NO.	SHEET NO.
R-2552C	2-AE

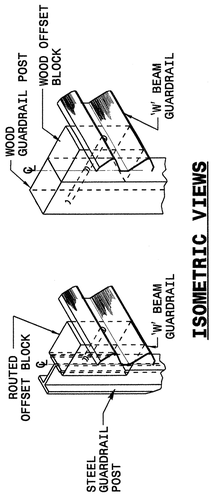
METRIC

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

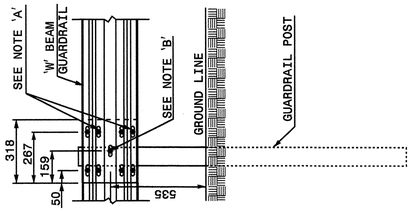
METRIC DETAIL DRAWING FOR **GUARDRAIL INSTALLATION**

SHEET 3 OF 7 **862D02**

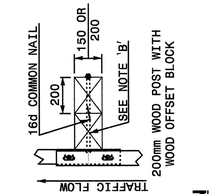
TYPICAL GUARDRAIL AND GUARDRAIL POST ALTERNATIVES



ISOMETRIC VIEWS

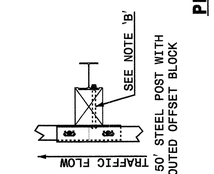


FRONT



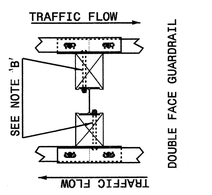
200mm WOOD POST WITH WOOD OFFSET BLOCK

PLAN

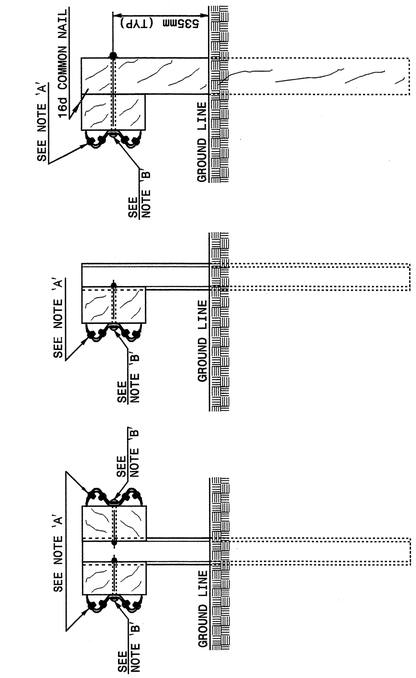


'W150' STEEL POST WITH ROUTED OFFSET BLOCK

PLAN



DOUBLE FACE GUARDRAIL



200mm WOOD POST WITH WOOD OFFSET BLOCK

'W150' STEEL POST WITH ROUTED OFFSET BLOCK

DOUBLE FACE GUARDRAIL

SIDE

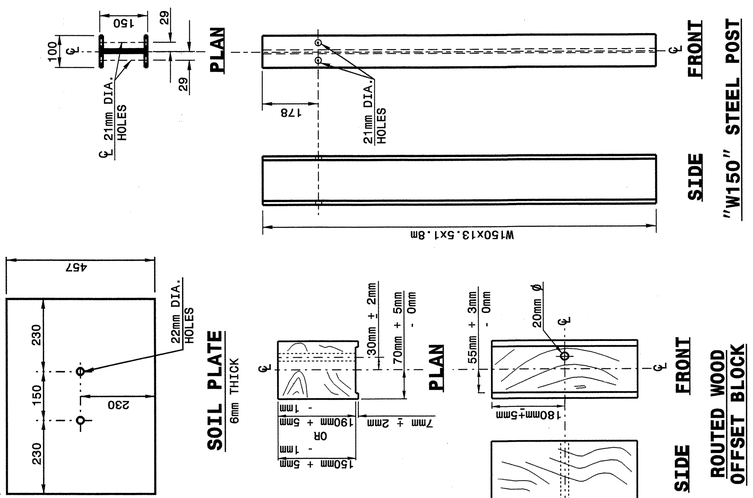
NOTES:
A - 16mm DIA. BUTTON HEAD SPLICE BOLT 32mm LONG WITH STD. WASHER UNDER NUT (8 REQ. PER SPLICE JOINT).
B - 16mm DIA. BUTTON HEAD BOLT 190mm/228mm LONG WITH NUT FOR BOLTING 150mm/200mm ROUTED OFFSET BLOCK TO STEEL POSTS OR 16mm DIA. BUTTON HEAD BOLT 457mm LONG WITH STD. WASHER UNDER NUT FOR BOLTING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

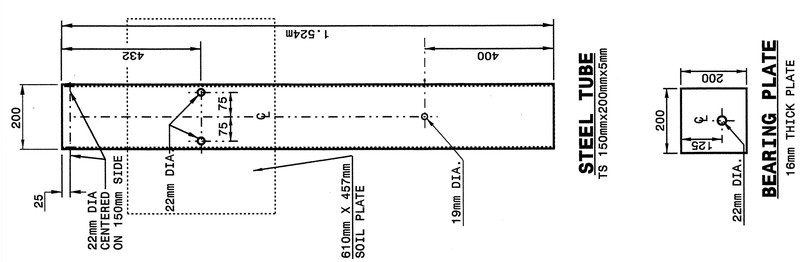
Note:
This drawing is dimensioned in millimeters unless otherwise depicted within the drawing.

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

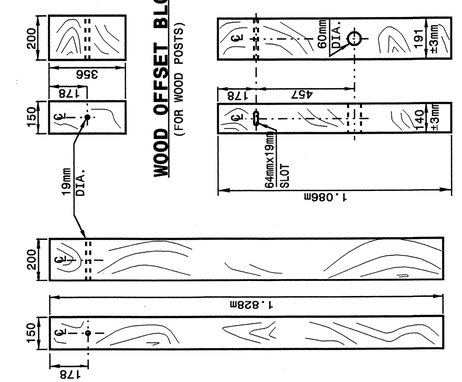
METRIC DETAIL DRAWING FOR **GUARDRAIL INSTALLATION**

SHEET 4 OF 7 **862D02**





SYSTEM PARTS



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

METRIC DETAIL DRAWING FOR **GUARDRAIL INSTALLATION**

SHEET 4 OF 7 **862D02**

NORTH CAROLINA PROFESSIONAL SEAL 022966 ENGINEER JOEL S. HOWERTON
3/24/05

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: 7/13/04
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