PROJECT REFERENCE NO.	SHEET NO.
R-0513C	2-II

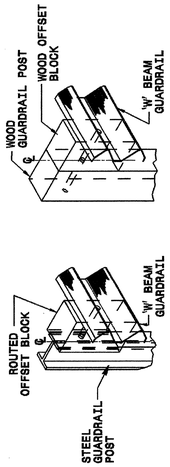
METRIC

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

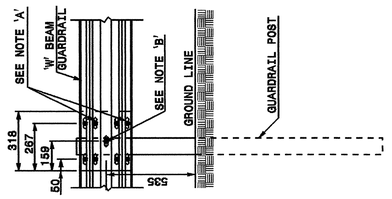
METRIC DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 3 OF 7 — 862D02

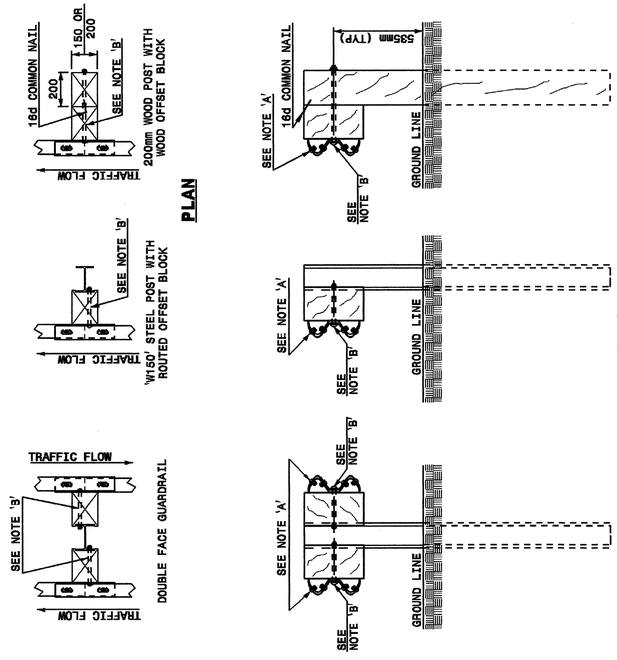
ISOMETRIC VIEWS



FRONT



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 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.

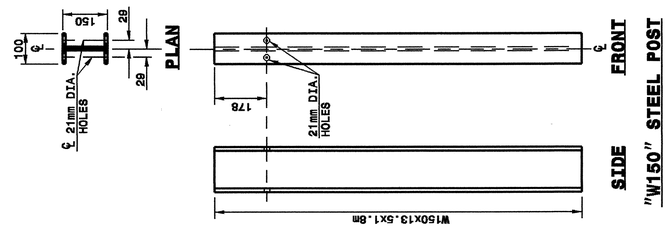
STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.	METRIC DETAIL DRAWING FOR GUARDRAIL INSTALLATION	SHEET 3 OF 7 — 862D02

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

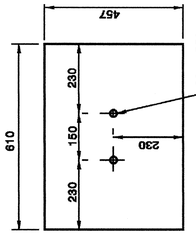
METRIC DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 4 OF 7 — 862D02

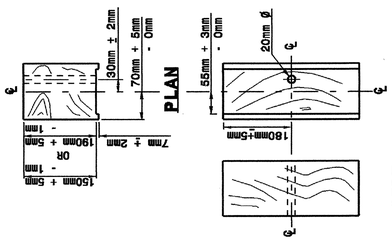
"W150" STEEL POST



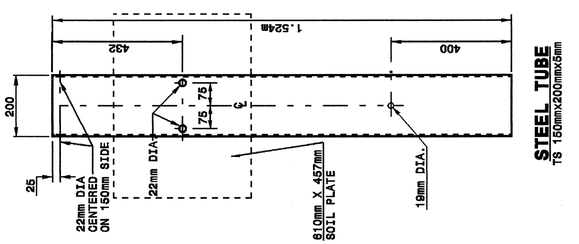
SOIL PLATE
6mm THICK



ROUTED WOOD OFFSET BLOCK



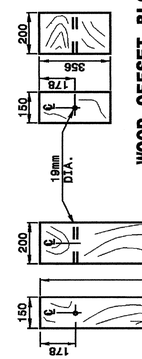
SYSTEM PARTS



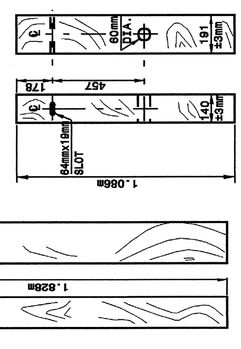
STEEL TUBE
T8 150mmx200mmx6mm

BEARING PLATE
19mm THICK PLATE

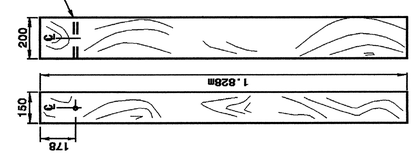
WOOD OFFSET BLOCK
(FOR WOOD POSTS)



SHORT WOOD BREAKAWAY POST



STANDARD LINE POST



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 JEFFREY S. HOWERTON
7/2/04

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:
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6/10/03