



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

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.

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**METRIC DETAIL DRAWING FOR
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SHEET 4 OF 7
862D02

WOOD OFFSET BLOCK
(FOR WOOD POSTS)

STEEL TUBE
TS 150mmx200mmx5mm

SOIL PLATE
6mm THICK

ROUTED WOOD OFFSET BLOCK

BEARING PLATE
16mm THICK PLATE

WOOD BEAM GUARDRAIL

ROUTED WOOD OFFSET BLOCK

STEEL POST

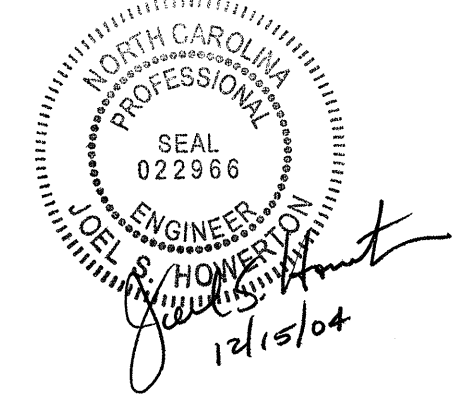
SYSTEM PARTS

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

SEE PLATE FOR TITLE

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