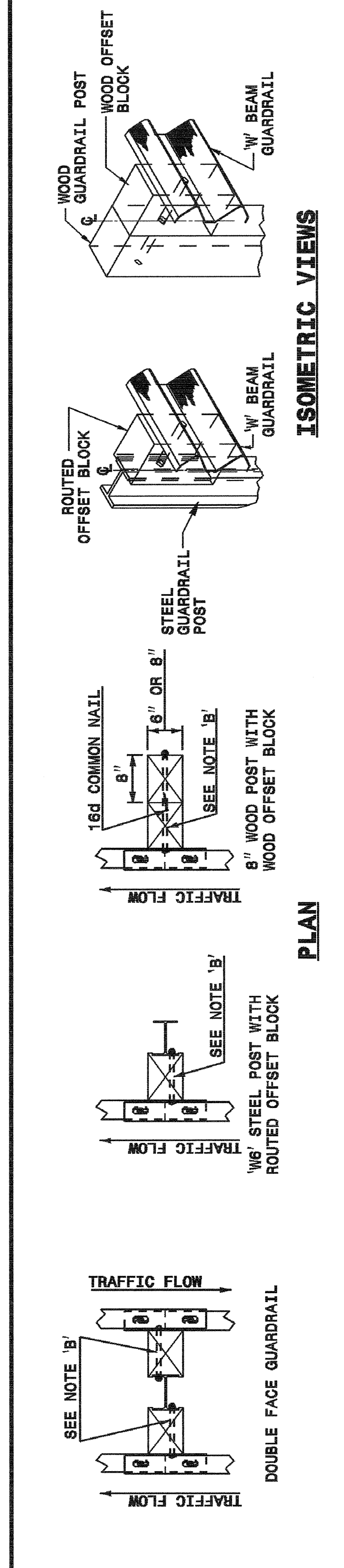


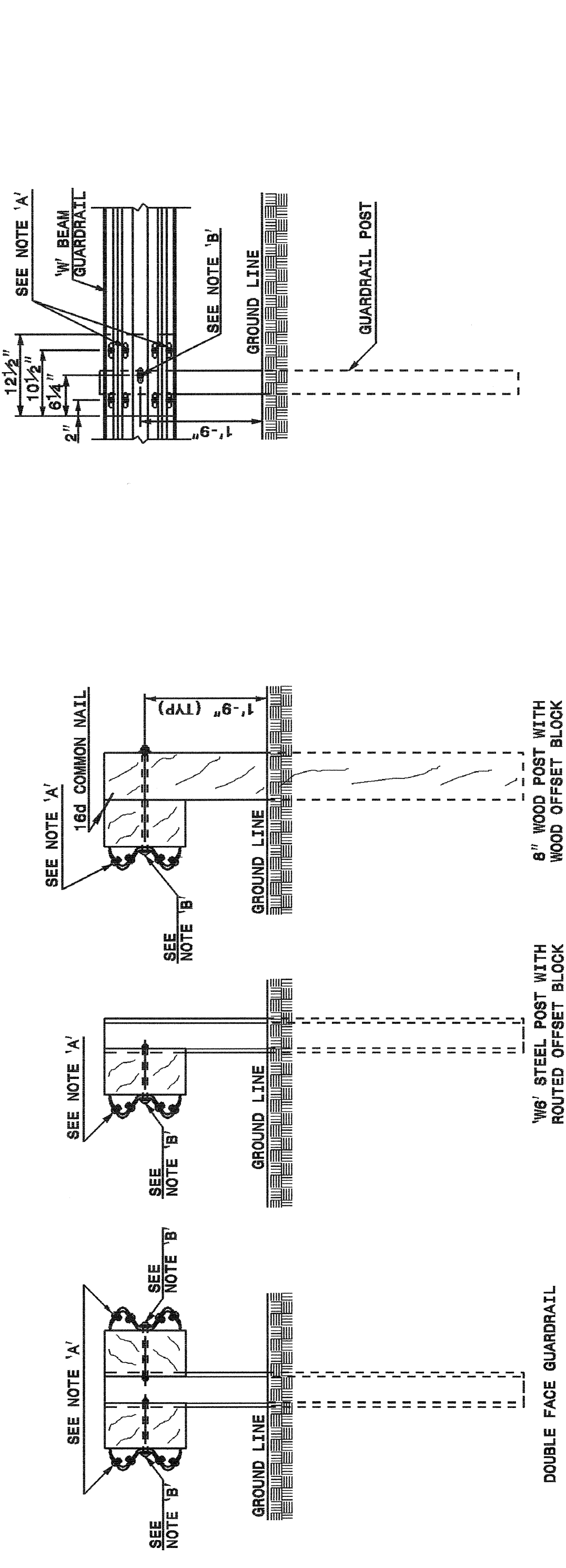
20-MAY-2003 15:33 C:\projects\enrichard\stds\02\stds to Special Detail\english\86202\0862d02.dgn  
 enr\enrichard  
 5/14/99

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ENGLISH DETAIL DRAWING FOR  
**GUARDRAIL INSTALLATION**



ENGLISH DETAIL DRAWING FOR  
**GUARDRAIL INSTALLATION**

SHEET 3 OF 7  
**862D02**

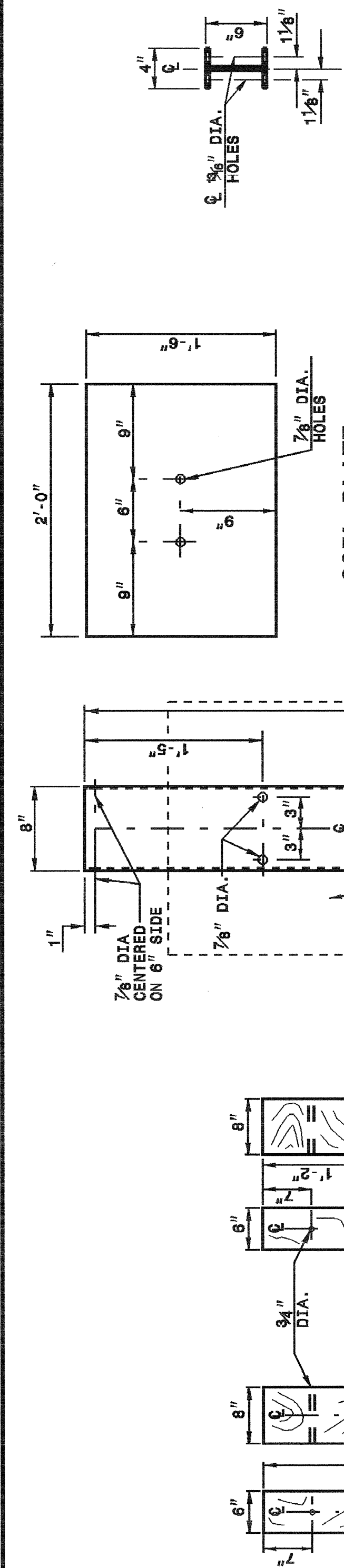
**TYPICAL GUARDRAIL AND GUARDRAIL POST ALTERNATIVES**

NOTES:

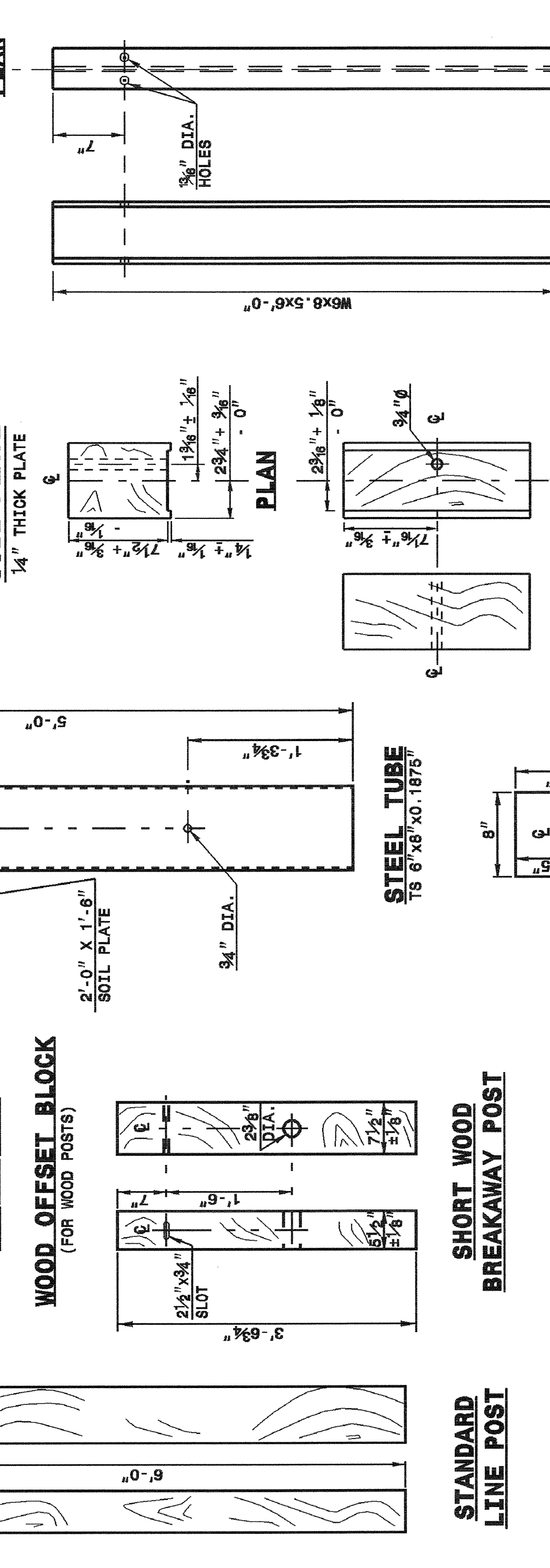
- A - 5/8" DIA. BUTTON HEAD SPLICE BOLT 1 1/4" LONG WITH STD. WASHER UNDER NUT (8 REQ. PER SPLICE JOINT).
- B - 5/8" DIA. BUTTON HEAD BOLT 7 1/2" / 9" LONG WITH NUT FOR BOLTING 6" / 8" ROUTED OFFSET BLOCK TO STEEL POSTS OR 5/8" DIA. BUTTON HEAD BOLT 18" LONG WITH STD. WASHER UNDER NUT FOR BOLTING TO WOOD POSTS (1 REQ. PER LOCATION)
- C - FIELD PUNCHING OF HOLES INTO GUARDRAIL SHALL BE AS DIRECTED BY THE ENGINEER.

SHEET 3 OF 7  
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ENGLISH DETAIL DRAWING FOR  
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ENGLISH DETAIL DRAWING FOR  
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SHEET 4 OF 7  
**862D02**

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RALEIGH, N.C.

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

**SEE PLATE FOR TITLE**



PROJECT REFERENCE NO. B-3522  
SHEET NO. 2-6

ORIGINAL BY: 2002 STD. 862.02 DATE: 02-09-03  
 MODIFIED BY: E.E. WARD DATE: 11/19/98  
 CHECKED BY: C. J. WARD DATE: 11/19/98  
 FILE SPEC.: /usr/stds/02codetail/eng11sh/86202/862d02.dgn