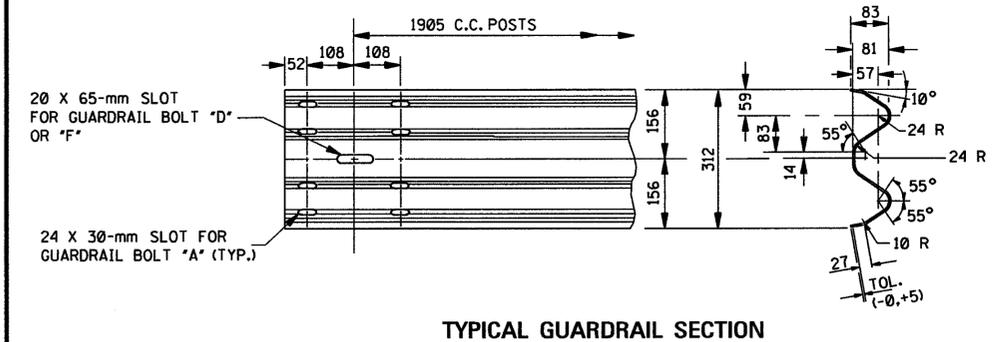
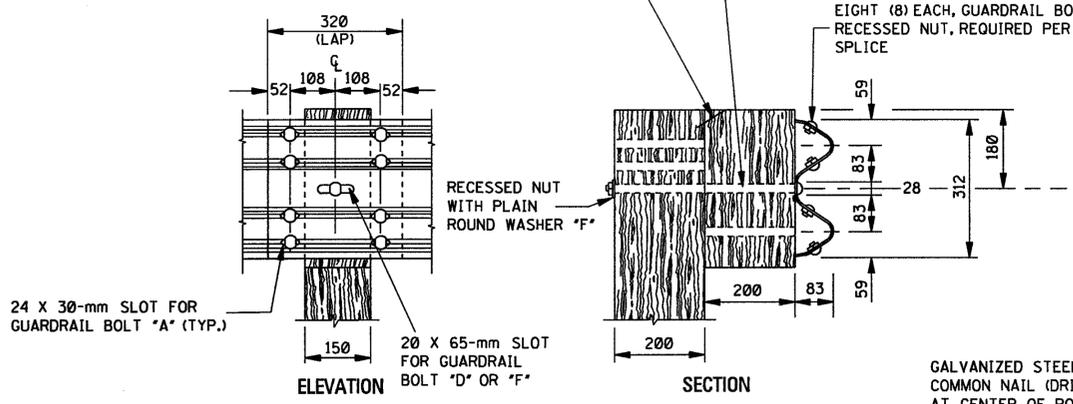


**ELEVATION FROM ROADWAY**  
 \*\* NOTE: OPTIONAL BEAM LENGTHS.

**SECTION A-A**  
 \* NOTE: UNLESS SPECIFIED OTHERWISE ON THE PLANS.

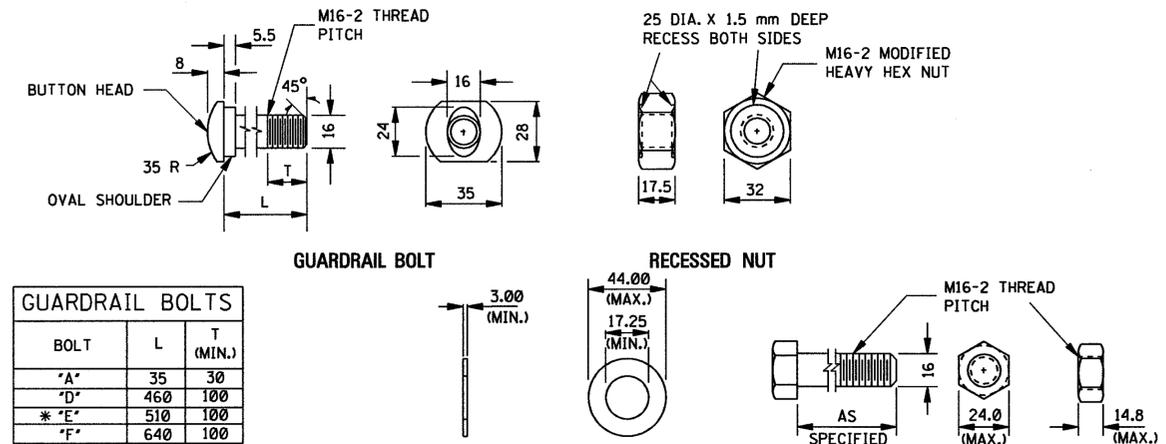


**TYPICAL GUARDRAIL SECTION**



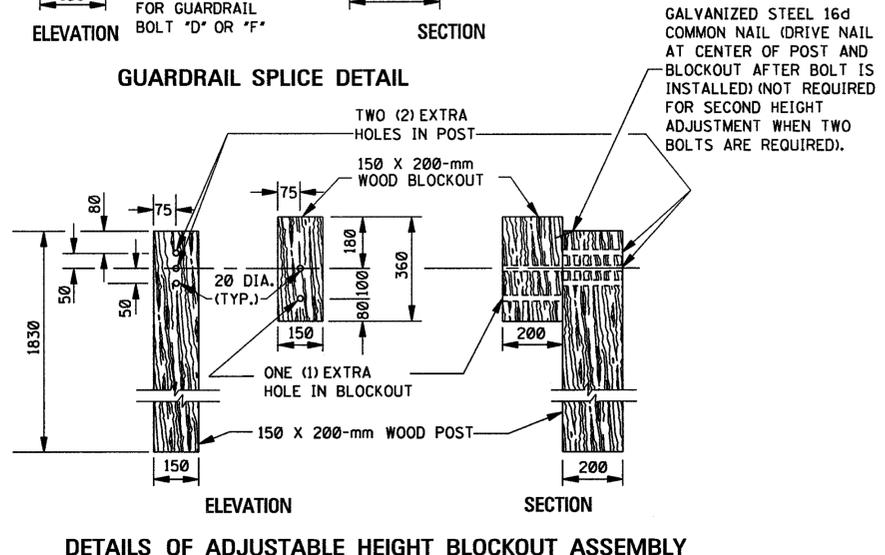
**GUARDRAIL SPLICE DETAIL**

- GENERAL NOTES:**
- GUARDRAIL SHALL MEET THE REQUIREMENTS OF AASHTO M 180, CLASS A, TYPE 1 UNLESS OTHERWISE DESIGNATED.
  - GUARDRAIL SHALL BE SINGLE FACED UNLESS OTHERWISE DESIGNATED.
  - GUARDRAIL SECTIONS SHALL BE LAPPED IN THE DIRECTION OF TRAFFIC FLOW FOR THE LANE NEAREST THE GUARDRAIL. THE ONLY EXCEPTION NOTED IS THAT GUARDRAIL IS TO BE LAPPED FOR APPROACHING TRAFFIC ON A BRIDGE WITH 2-WAY TRAFFIC.
  - ALL WOOD POSTS AND BLOCKOUTS SHALL BE TREATED TIMBER IN ACCORDANCE WITH MISSISSIPPI DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
  - FOR OTHER DETAILS OF POSTS, POST ACCESSORIES, FASTENERS & RAIL ELEMENTS, SEE AASHTO-ACC-ARTBA JOINT TASK FORCE NO. 13, TITLED "A GUIDE TO STANDARDIZED HIGHWAY BARRIER HARDWARE," LATEST EDITION.



**FASTENER DETAILS**

GUARDRAIL BOLTS		
BOLT	L	T (MIN.)
*A*	35	30
*D*	460	100
*E*	510	100
*F*	640	100



**DETAILS OF ADJUSTABLE HEIGHT BLOCKOUT ASSEMBLY**

- NOTES:**
- ON INITIAL INSTALLATION, THE BLOCKOUT SHALL BE ATTACHED TO THE BOTTOM HOLE IN THE POST, OTHER HOLES IN THE POST AND BLOCKOUT ARE FOR FUTURE 50-mm HEIGHT ADJUSTMENTS WHEN THE ROADWAY IS RESURFACED.
  - FOR THE SECOND HEIGHT ADJUSTMENT, ONE (1) HEX NUT AND BOLT "F", 460 mm LONG FOR SINGLE-FACED BARRIER OR 640 mm LONG FOR DOUBLE-FACED BARRIER, WITH TWO (2) PLAIN ROUND WASHERS "F", ONE (1) UNDER HEAD AND ONE (1) UNDER NUT, ARE REQUIRED PER POST IN ADDITION TO THE STANDARD GUARDRAIL BOLT AND RECESSED NUT.
  - HOLE DETAILS ARE REQUIRED ON ALL WOOD POSTS AND BLOCKOUTS.
  - WOOD POSTS AND BLOCKOUTS ARE FABRICATED FROM 150 X 200-mm TREATED TIMBER UNLESS SPECIFIED OTHERWISE ON THE PLANS.
  - ALL HOLES IN BOTH POSTS AND BLOCKOUTS ARE 20 mm IN DIAMETER.

ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
 ROADWAY DESIGN DIVISION  
 STANDARD PLAN

**GUARDRAIL:  
 "W" BEAM  
 (WOOD POSTS)**



DATE	REVISION	BY

ISSUE DATE: OCTOBER 1, 1998

WORKING NUMBER  
 GR-1  
 SHEET NUMBER  
 180