

**ELEVATION FROM ROADWAY**

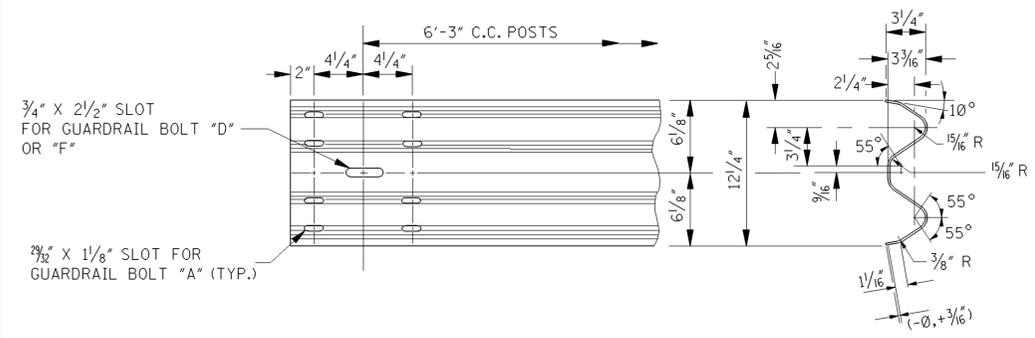
\*\* NOTE: OPTIONAL BEAM LENGTHS.

**SINGLE-FACED BARRIER**

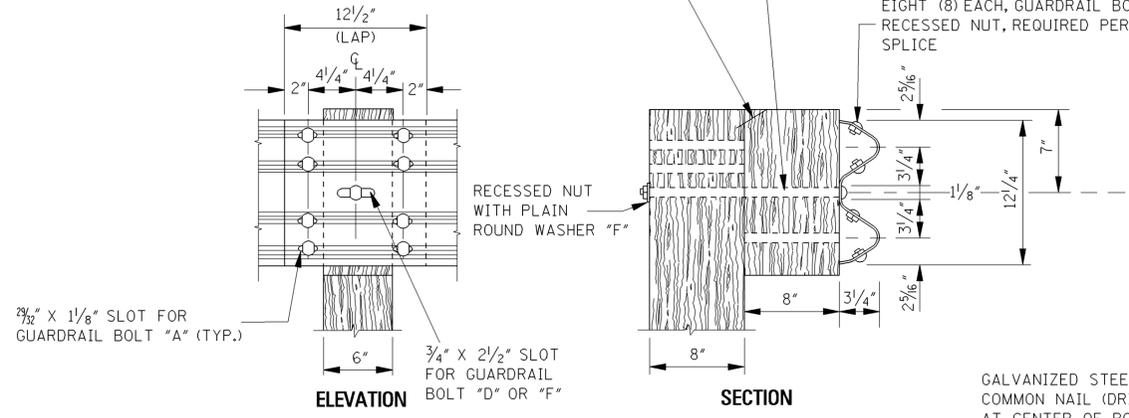
**DOUBLE-FACED BARRIER**

**SECTION A-A**

\* NOTE: UNLESS SPECIFIED OTHERWISE ON THE PLANS.



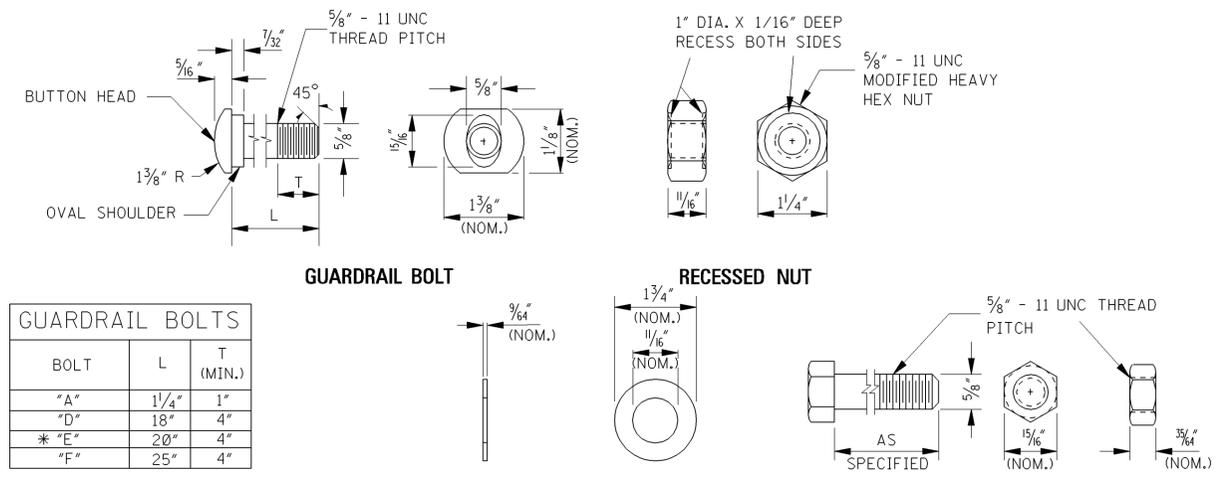
**TYPICAL GUARDRAIL SECTION**



**ELEVATION SECTION**

GENERAL NOTES:

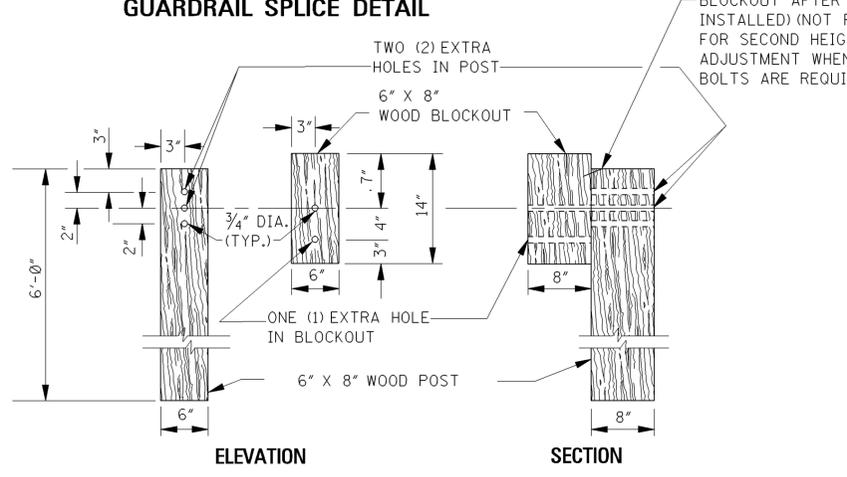
- GUARDRAIL SHALL MEET THE REQUIREMENTS OF AASHTO M 180, CLASS A, TYPE 1 UNLESS OTHERWISE DESIGNATED.
- GUARDRAIL SHALL BE SINGLE FACED UNLESS OTHERWISE DESIGNATED.
- GUARDRAIL SECTIONS SHALL BE LAPPED IN THE DIRECTION OF TRAFFIC FLOW FOR THE LANE NEAREST THE GUARDRAIL. THE ONLY EXCEPTION NOTED IS THAT 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-AGC-ARTBA JOINT TASK FORCE NO. 13, TITLED "A GUIDE TO STANDARDIZED HIGHWAY BARRIER HARDWARE," LATEST EDITION.
- OTHER POSTS AND/OR BLOCKOUTS THAT HAVE MET THE REQUIREMENTS OF THE LATEST INDUSTRY GUIDELINES AND HAVE RECEIVED LETTERS OF APPROVAL FROM THE FEDERAL HIGHWAY ADMINISTRATION AND MISSISSIPPI DEPARTMENT OF TRANSPORTATION MAY BE USED IN LIEU OF THE POST AND BLOCKOUT SHOWN ON THIS STANDARD.



GUARDRAIL BOLTS		
BOLT	L	T (MIN.)
"A"	1 1/4"	1"
"D"	18"	4"
* "E"	20"	4"
"F"	25"	4"

**PLAIN ROUND WASHER "F"**

**HEX NUT AND BOLT "F"**



**ELEVATION SECTION**

- 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 2" HEIGHT ADJUSTMENT WHEN THE ROADWAY IS RESURFACED.
  - FOR THE SECOND HEIGHT ADJUSTMENT, ONE (1) HEX NUT AND BOLT "F", 18" LONG FOR SINGLE-FACED BARRIER OR 25" 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 6" X 8" TREATED TIMBER UNLESS SPECIFIED OTHERWISE ON THE PLANS.
  - ALL HOLES IN BOTH POSTS AND BLOCKOUTS ARE 3/4" IN DIAMETER.

- NOTES:
- ALL GUARDRAIL BOLTS ARE 5/8" - 11 UNC THREAD PITCH.
  - IF ANY BOLT EXTENDS MORE THAN 1/4" FROM THE NUT, THE BOLT SHOULD BE TRIMMED BACK.
  - GUARDRAIL BOLT "E" IS USED FOR SINGLE-FACED BARRIER WITH 10" X 10" WOOD POST AND 6" X 8" WOOD BLOCKOUT.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN		
<p><b>GUARDRAIL: "W" BEAM (WOOD POSTS)</b></p>		
DATE	ISSUE DATE: OCTOBER 1, 1998	<p>WORKING NUMBER GR-1</p> <p>SHEET NUMBER 180</p>