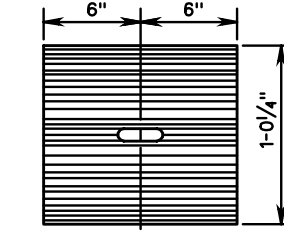
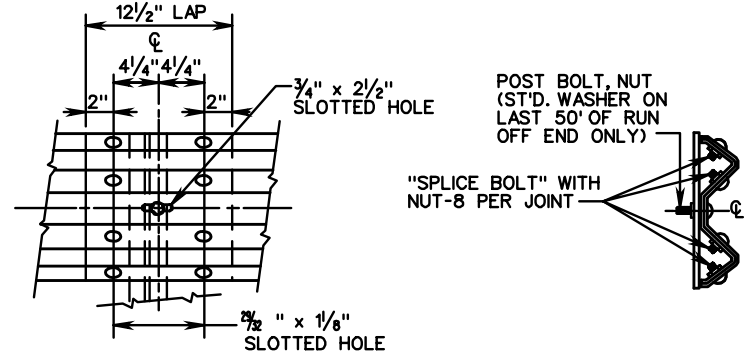


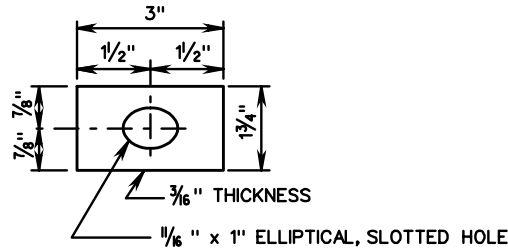
SECTION THRU RAIL ELEMENT AND W BEAM BACK-UP PLATE



**W BEAM
BACK - UP PLATE**
FOR USE AT NON SPLICE
LOCATIONS.
TO BE USED WITH STEEL
W6 x 9 OR W6 x 8.5
BLOCKOUT ONLY.

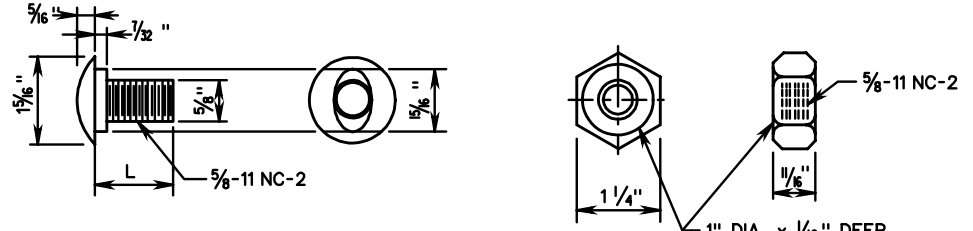


LAP IN DIRECTION
OF TRAFFIC
DETAIL OF SPLICE JOINT



DETAIL OF STANDARD WASHER

FOR GR-2 AND 2A, MB-3
TO BE USED ON THE LAST
50' OF RUN OFF ENDS ONLY.



DETAIL OF BUTTON HEAD BOLT AND RECESS NUT
L- 1 1/4" FOR SPLICE BOLT-FULL LENGTH THREADS
L- 2" FOR STEEL POST BOLT-1 1/2" MIN. THREADS
L- 18" FOR WOOD AND CONCRETE POST BOLT-2 1/2" MIN. THREADS
L- 26" FOR MB WOOD OR CONCRETE POST-2" MIN. THREADS
1" DIA. x 1/16" DEEP,
RECESS ONE OR
BOTH SIDES

NOTES:

ALL HARDWARE IS TO BE GALVANIZED IN ACCORDANCE WITH THE SPECIFICATIONS.

THE GUARDRAIL AND MEDIAN BARRIER COMPONENTS DEPICTED IN ARTBA TECHNICAL BULLETIN NUMBER 268B MAY BE SUBSTITUTED IF INTERCHANGEABLE WITH THE STANDARDS FOR GUARDRAIL (GR) OR MEDIAN BARRIER (MB) AND APPROVED BY THE ENGINEER.

SPECIFICATION REFERENCE
221
505

STANDARD GUARDRAIL HARDWARE

VIRGINIA DEPARTMENT OF TRANSPORTATION

VDOT	
ROAD AND BRIDGE STANDARDS	
REVISION DATE	SHEET 1 OF 3
	501.01