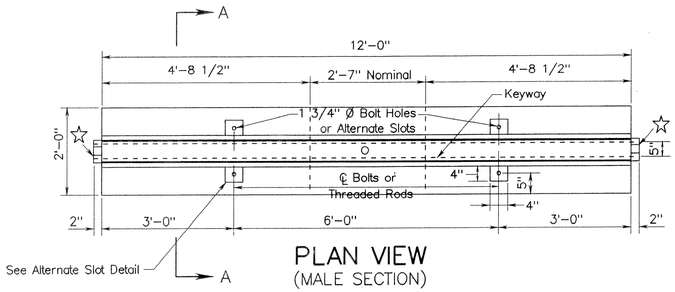
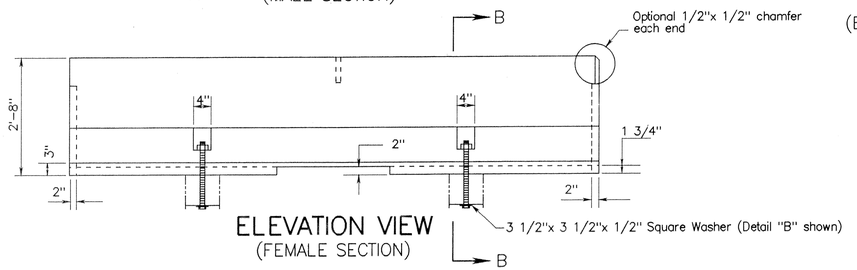
28

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
1-27-94	3	VA.		11	0011-080-F05, RW-202 C-502	2R

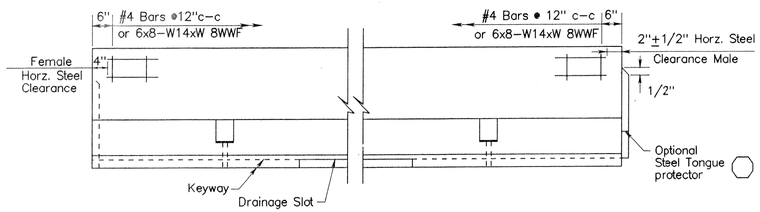
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.



PLAN VIEW
(MALE SECTION)

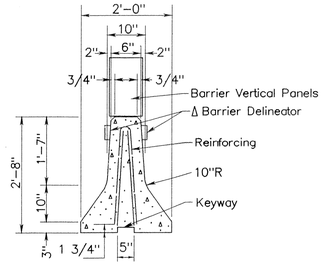


ELEVATION VIEW
(FEMALE SECTION)

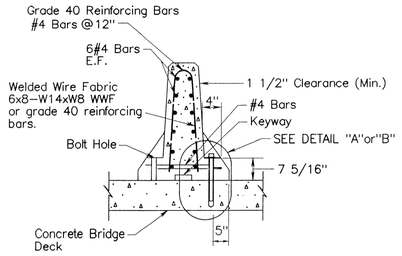


(HALF SIDE VIEW)
FEMALE SECTION
REINFORCING

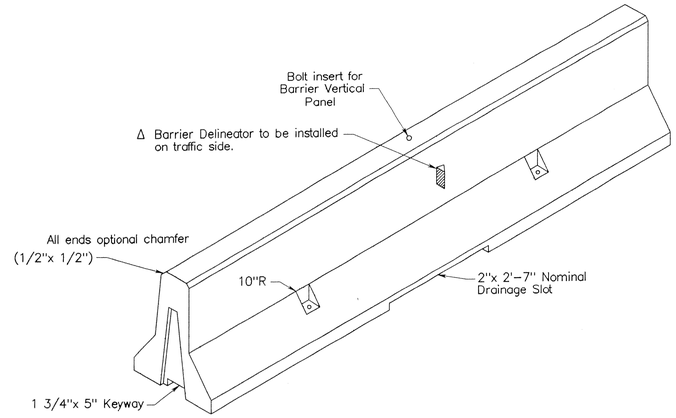
(HALF SIDE VIEW)
MALE SECTION
REINFORCING



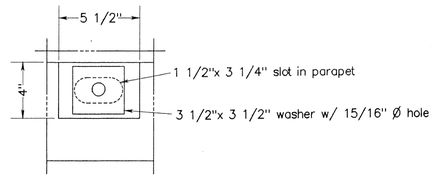
SECTION A-A
(BARRIER VERTICAL PANEL & BARRIER DELINEATOR SHOWN)



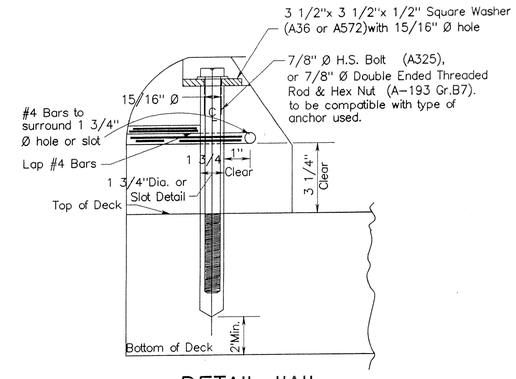
SECTION B-B
(ANCHOR BOLT)
Bolt down side adjacent to traffic.



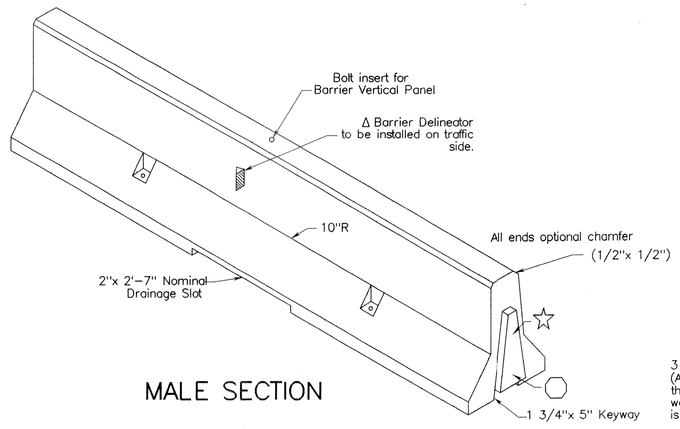
FEMALE SECTION



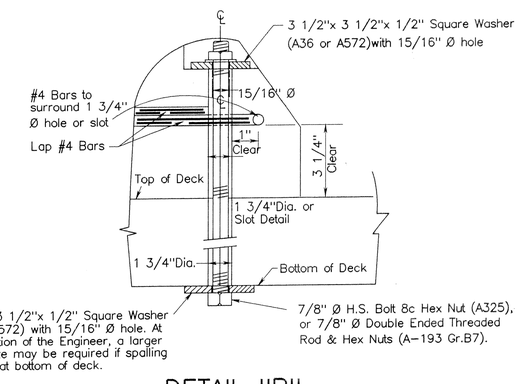
ALTERNATE SLOT DETAIL



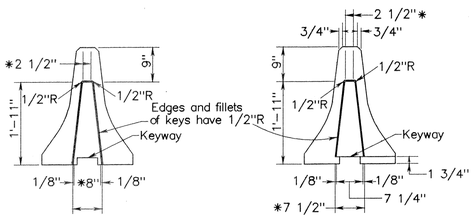
DETAIL "A"



MALE SECTION



DETAIL "B"

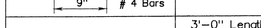


END VIEW
FEMALE SECTION

END VIEW
MALE SECTION

ALTERNATE TOP

BENDING DIAGRAM



4'-8" Length, 2 1/2" Pin Ø	3'-0" Length 4 1/2" Pin Ø

Dimensions in bending diagrams are out-to-out of Bar.

NOTES:

Barrier Delineator is to be spaced in accordance with Section 702 of the Road and Bridge Specifications. Barrier Vertical Panels are to be spaced in accordance with the Virginia Work Area Protection Manual.

Cost of Barrier Delineator and Barrier Vertical Panels to be included in price bid per linear foot of Barrier Service.

△ Anchor bolts shall be installed on traffic side.

△ Reflective surface, in all instances, to be facing oncoming traffic.

☆ Edges of male section to be rounded to prevent chipping during placement. (Approx. 1/2" Radius)

✳ Male End-1/16"+0" tolerance and Female End-0"+ 1/16" tolerance.

⬡ Optional tongue protector may be provided by the manufacturer. The tongue protector may be full or partial and must meet the approval of the Engineer.

Conc. 4000 psi. (Min.)

Welded Wire Fabric may be one sheet bent to fit configuration or two separate sheets-one on each face.

Anchor system shown in detail "A" shall be tested to provide a minimum pullout of 32,000 lbs. and installed according to manufacturer's recommendations.

After removing temporary barrier, cut 7/8" Ø bolt or threaded rod as low as practical below roadway surface and fill recess with epoxy bonding compound EP-4 (Detail "A") or remove 7/8" Ø bolts or threaded rods and fill holes with grout bonded with epoxy bonding compound EP-4 (Detail "B").

TRAFFIC BARRIER SERVICE CONCRETE PARAPET (DOUBLE FACE)
(FOR TEMPORARY INSTALLATION ON BRIDGE DECK EXTERIOR)
VIRGINIA DEPARTMENT OF TRANSPORTATION

Rev. 5-10-91
SPECIAL DESIGN SECTION
DRAWING NO. 1165

SUPERVISED BY LWMOORE 7846752
DESIGNED BY DRAPER ADEN
CADD OPERATOR cw015::user:(misc)sd1165
REVISED BY

PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
PLANS OF RECORD		
NOTE BOOK		
NO.		

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PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	0011-080-F05	72 16 4	2R