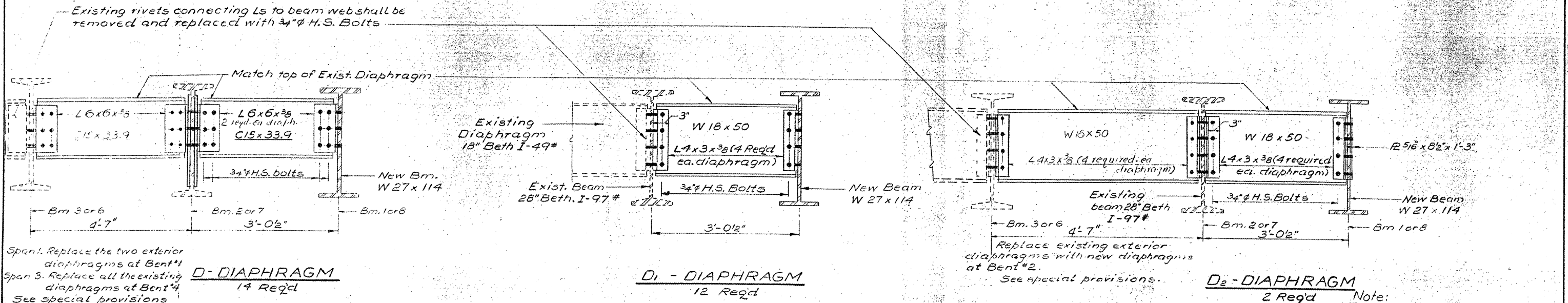


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VARIOUS ROUTES  
D9 BRIDGE PAINTING FY 09-1  
VARIOUS COUNTIES  
CONTRACT 78093  
FOR INFORMATION ONLY  
SHEET 29 OF 31



Span 1. Replace the two exterior diaphragms at Bent #1  
Span 3. Replace all the existing diaphragms at Bent #4  
See special provisions

**D - DIAPHRAGM**  
14 Req'd

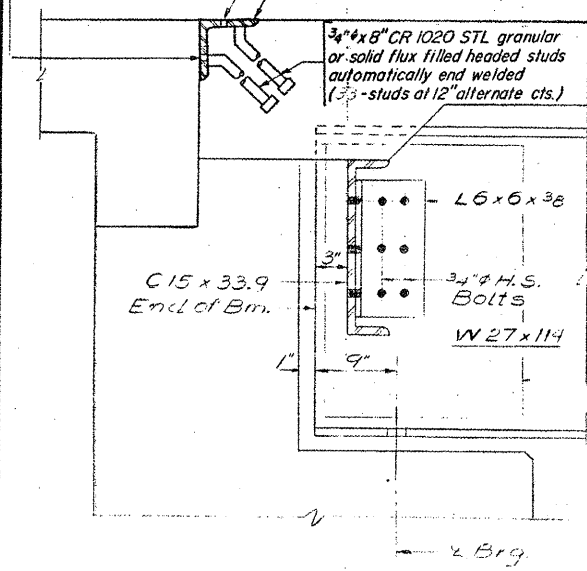
**D1 - DIAPHRAGM**  
12 Req'd

**D2 - DIAPHRAGM**  
2 Req'd

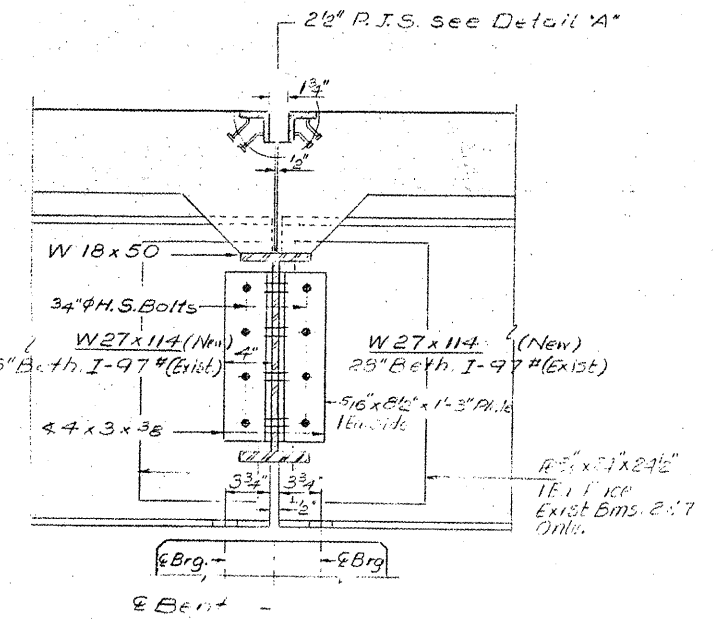
Note:  
Two Hardened washers shall be required over 1/2" holes in angles.

1/16" Holes at 12" cts. for 3/8" bolts set on 2 1/2" gage line. All bolts shall be burned, sawed or clipped off flush with back of angles after forms are removed.

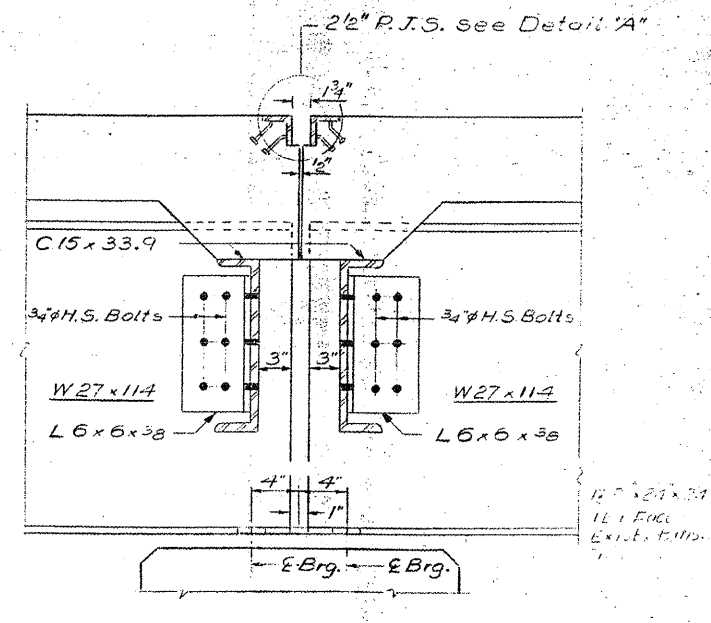
1/16" Vent holes at 12" cts. set on 1 5/8" gage line  
4 x 5 1/2 x 2 x 3/16" long Fabricate to crown



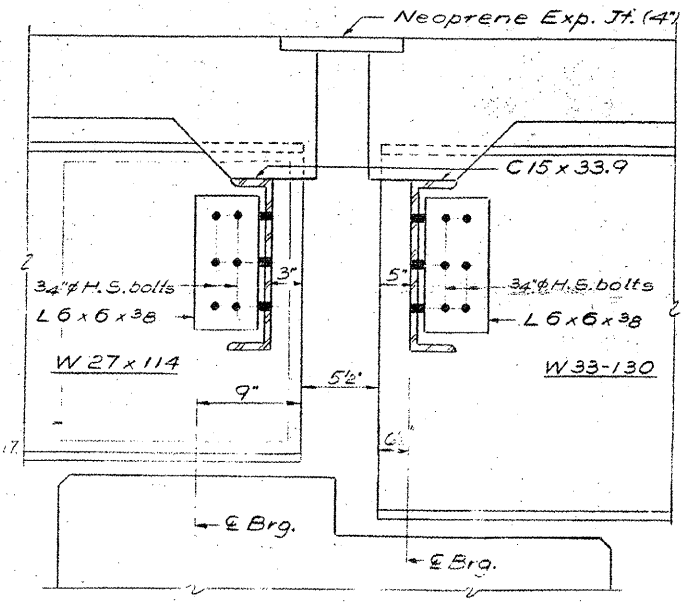
**SECTION AT BENT 1**  
(Diaphragm D)



**SECTION AT BENT 2**  
(Diaphragm D2)



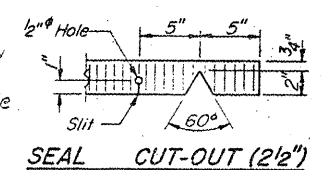
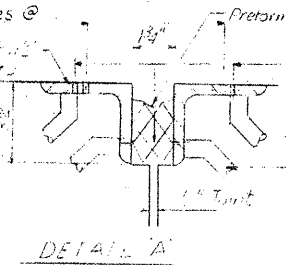
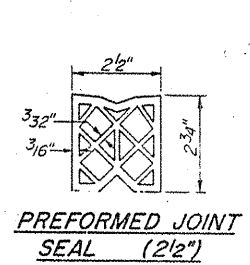
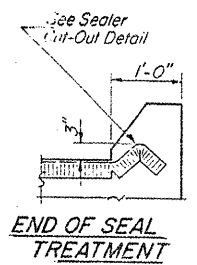
**SECTION AT BENT 3**  
(Diaphragm D)



**SECTION AT BENT 4**  
(Diaphragm D)

DESIGNED	Steve A. Dwyer
CHECKED	
DRAWN	V.H.
CHECKED	

EXAMINED	Jan 13 1931
PASSED	
APPROVED	



**DIAPHRAGM DETAILS**  
F.A. RTE. 857-SECTION 101 BR-2

WHITE COUNTY  
STA. 268 +25.75

BRIDGE NO. 4