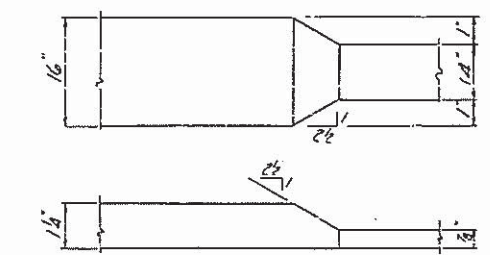
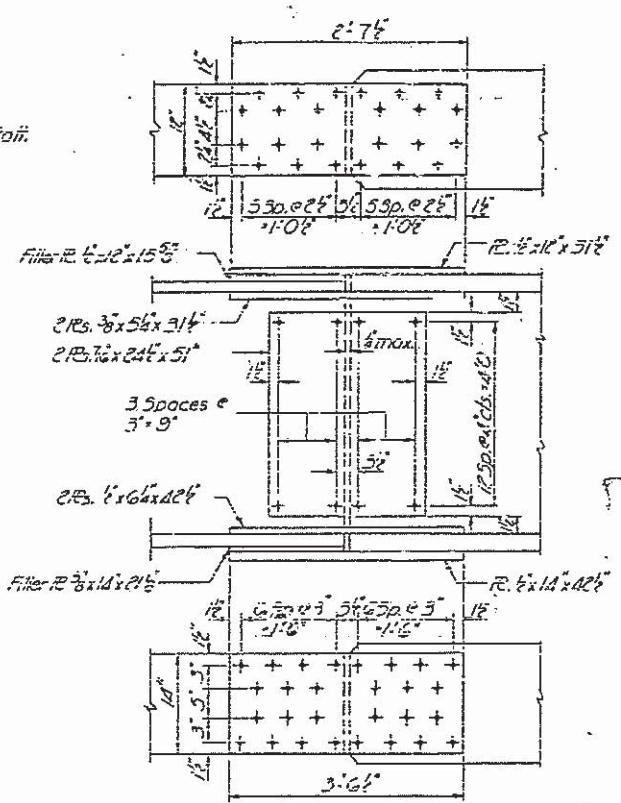


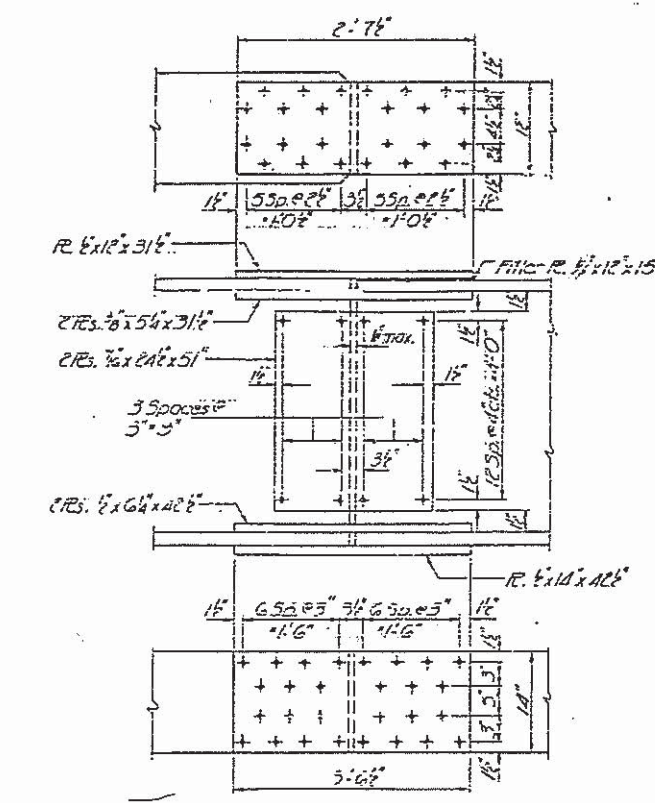
BEARING STIFFENERS



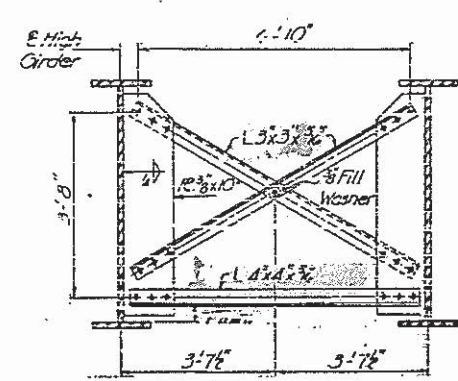
DESIGNED <i>A. A. ...</i>	EXAMINED <i>Dec. 21 1970</i>
CHECKED <i>Rao. G. K.</i>	PAIRED
DRAWN <i>J.D.</i>	APPROVED
CHECKED <i>Rao. G. K.</i>	



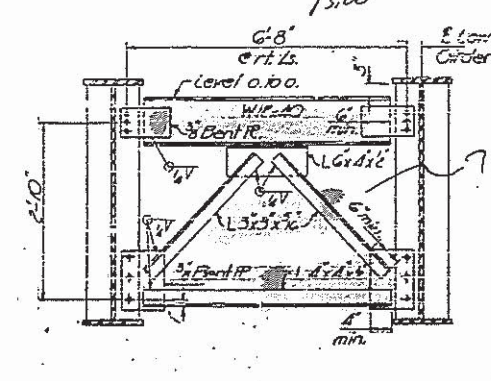
FIELD SPLICES 16A  
(24 req'd)  
(Use 7/8" H.S. Bolts)



FIELD SPLICES 2E3  
(24 req'd)  
(Use 7/8" H.S. Bolts)



TYPICAL CROSS FRAME-16A  
(120 req'd)  
(Use 3/4" H.S. Bolts)



TYPICAL CROSS FRAME-2E3  
(20 req'd)  
(Use 3/4" H.S. Bolts)

\*TOP OF WEB ELEVATIONS UP BOUND TABLES

Location	GIRDER	1	2	3	4	5	6
E. Bro. No. Abut.		702.98	703.11	703.20	703.24	703.09	702.93
E. Splice #1		702.91	703.11	703.22	703.26	703.15	703.00
E. Bro. Pier 1		702.95	703.24	703.25	703.51	703.19	703.04
E. Splice #2		703.01	703.17	703.30	703.32	703.24	703.10
E. Splice #3		702.94	703.11	703.25	703.33	703.23	703.10
E. Bro. Pier 2		702.89	703.02	703.17	703.25	703.16	703.04
E. Splice #4		702.77	702.95	703.10	703.15	703.10	702.99
E. Bro. So. Abut.		702.61	702.81	702.98	703.04	703.01	702.91

\*TOP OF WEB ELEVATIONS SO BOUND TABLES

Location	GIRDER	1	2	3	4	5	6
E. Bro. No. Abut.		702.34	702.43	702.47	702.53	702.14	701.91
E. Splice #1		702.61	702.69	702.75	702.61	702.44	702.24
E. Bro. Pier 1		702.72	702.85	702.86	702.74	702.51	702.36
E. Splice #2		702.85	702.94	703.01	702.92	702.73	702.53
E. Splice #3		703.01	703.11	703.20	703.10	702.95	702.76
E. Bro. Pier 2		703.04	703.13	703.22	703.13	702.99	702.80
E. Splice #4		703.03	703.15	703.24	703.16	703.02	702.84
E. Bro. So. Abut.		703.12	703.26	703.37	703.30	703.18	703.01

\*For fabrication only

INTERIOR GIRDER REACTION TABLE

Re	Abutts	Pier locs
Re (k)	28.33	108.45
Rse (k)	15.89	55.18
RE (k)	41.23	45.42
Imo (k)	9.83	14.65
Total (k)	95.33	243.70

INTERIOR GIRDER MOMENT TABLE

Location	16A	2E3	Pier locs	16A	2E3
Is - (in <sup>4</sup> )	24022.6	38732.1	24022.6	24022.6	38732.1
Is - (in <sup>4</sup> )	58428.4	58428.4	58428.4	58428.4	58428.4
Is - (in <sup>4</sup> )	915.4	1371.0	915.4	915.4	915.4
Is - (in <sup>4</sup> )	1306.0	1506.0	1306.0	1306.0	1306.0
Is - (in <sup>4</sup> )	970	970	970	970	970
M/E (k)	403.60	1526.22	472.58	403.60	1526.22
Is E (k)	5.25	13.36	6.28	5.25	13.36
Is E (k)	504	504	504	504	504
M/E (k)	249.93	347.17	249.93	249.93	347.17
M/E (k)	693.53	603.46	781.45	693.53	603.46
M/E (k)	165.06	135.18	164.11	165.06	135.18
Total (k)	1107.52	738.64	1292.73	1107.52	738.64
Is (k)	10.18	6.46	11.88	10.18	6.46
Is (k)	15.47	19.82	18.16	15.47	19.82
Is (k)	57.34	50.11	57.34	57.34	50.11

Is and Is are the moment of inertia and section modulus of the steel section.  
Is and Is are the moment of inertia and section modulus of the composite section used in computing Is.  
VR is the maximum impact shear range.

STRUCTURAL STEEL DETAILS  
F.A.I.R.T. 55 - SEC. 68-1VB  
MONTGOMERY COUNTY  
512.14-30.06