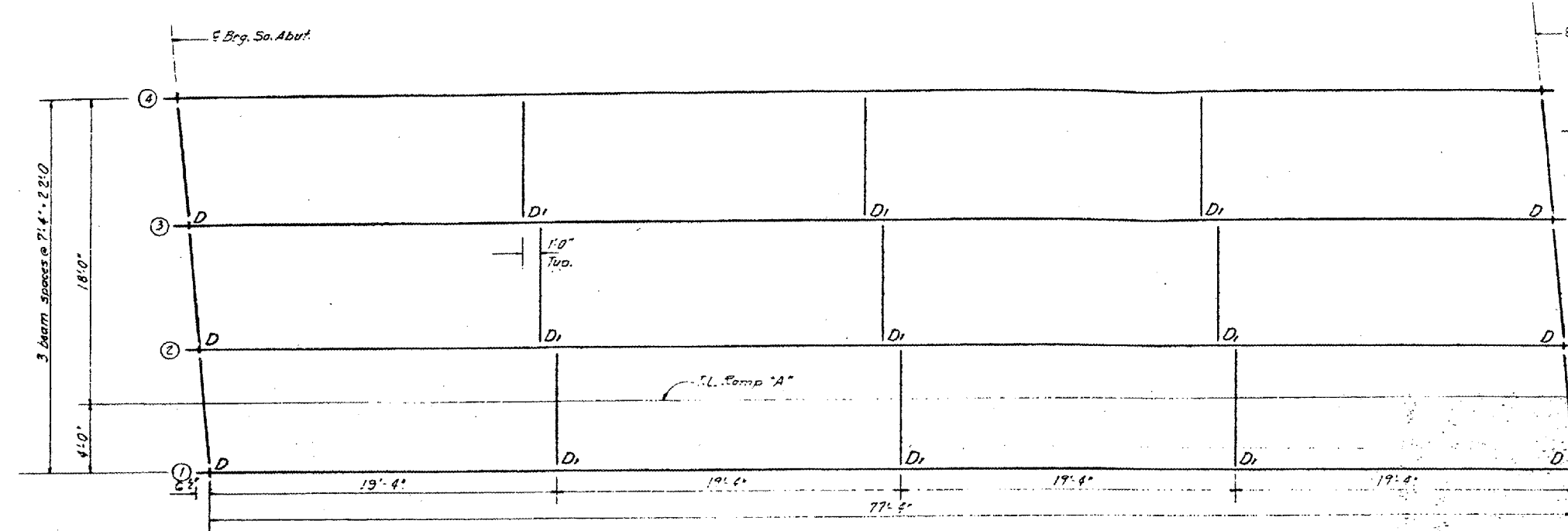


STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DATE	NO.	BY	REVISION
11-24	14-183	MASSAC	117 43

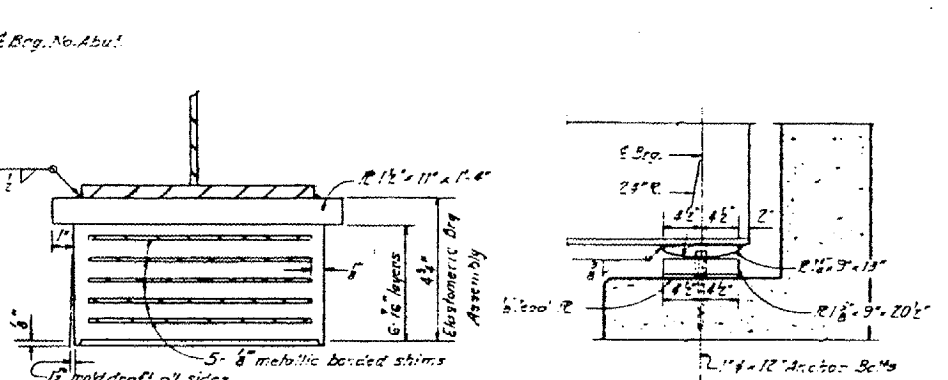
SHEET NO. 4
8 SHEETS



I_s and S_s are the moment of inertia and section modulus of the steel section.
 I_c and S_c are the moment of inertia and section modulus of the composite section used in computing f_s .
 V_R is the maximum $E \cdot I$ impact shear range in span used to determine shear connector spacing.

TOP OF WEB ELEVATIONS

Loc.	1	2	3	4
So. Abut.	350.81	350.93	351.06	351.18
No. Abut.	349.74	349.86	349.98	350.10



Note A:
 1/8" holes 1" deep in top flange for 1/8" pinholes. Thread or press fit pinholes in both flanges.

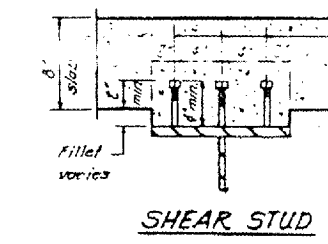
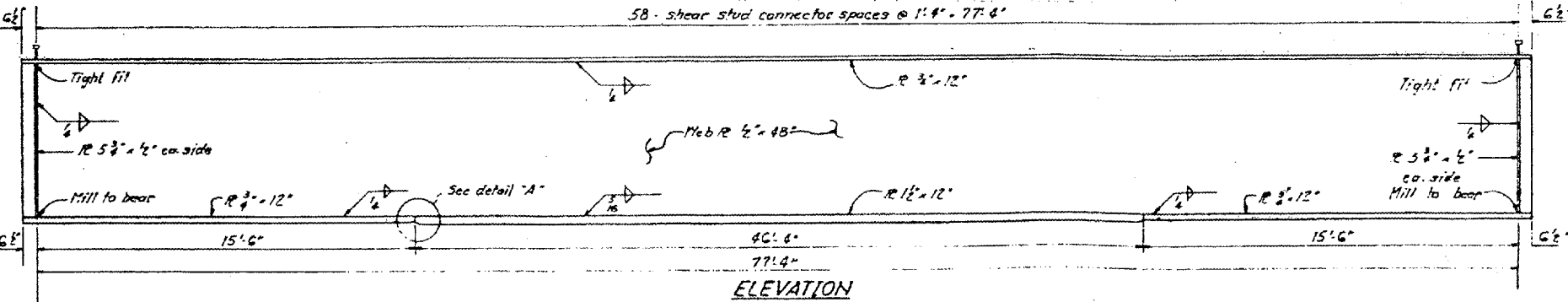
Note B:
 1/8" hole for 1/8" x 12" anchor bolts. 2 1/2" x 2 1/2" x 1/4" washer under nut.

INTERIOR GIRDER MOMENT TABLE

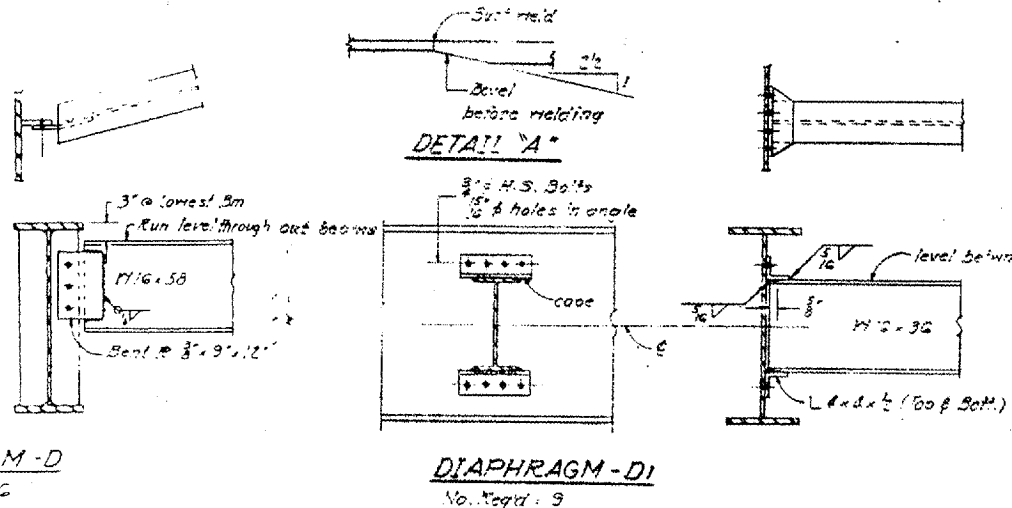
Span	Value
1/3 Span	12977
I_c (in ⁴)	56232
S_c (in ³)	948
S_c (in ³)	1342
f_s (ksi)	73
M_E (k)	675
$f_s \#$ (ksi)	8.8
S_E (k)	502
$M_{S\#}$ (k)	375
M_E (k)	747
M_{imp} (k)	187
Total (k)	1307
$f_s E$ (ksi)	11.70
f_s Total (ksi)	20.50
V_R (k)	52.8

INTERIOR GIRDER REACTION TABLE

Abut.	Value
R_H (k)	55.8
R_V (k)	42.2
R_{imp} (k)	10.6
R Total (k)	108.6



3/4" Granular or solid fill in void between plates automatically end recess. (No. Req'd. = 708)



PINTE

END VIEW

SIDE RETAINER DETAILS

Note:
 The main load carrying member components subject to the Strength Requirements for North Trussness. Some E are the flanges and webs of the steel girders.

FOR INFORMATION ONLY:
 BRIDGE NO. 8 STRUCTURE 064-0037

DESIGNED: [Signature]
 CHECKED: Robert K. [Signature]
 DRAWN: [Signature]
 CHECKED: RKQ

EXAMINED: [Signature] MARCH 15 1976
 PAIRED: [Signature]
 APPROVED: [Signature]