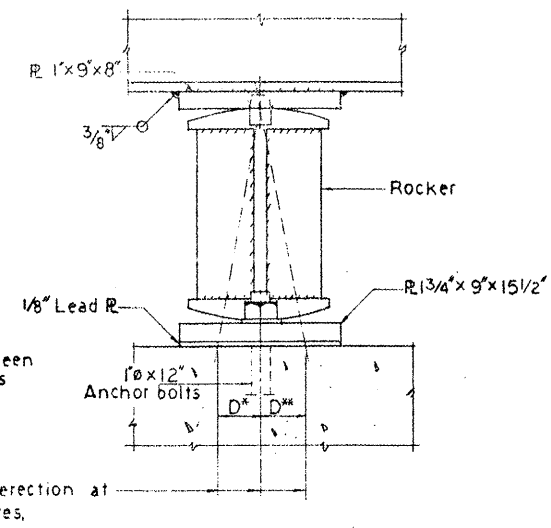
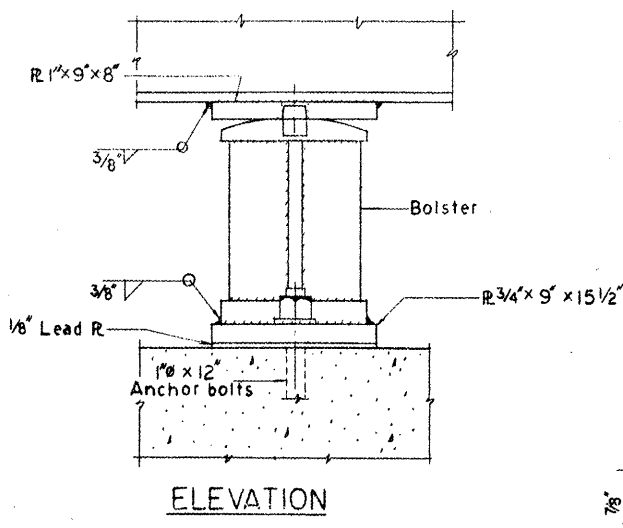


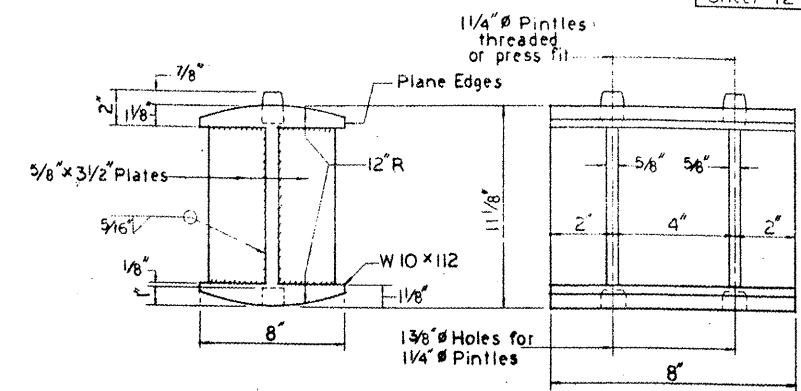
ELEVATION



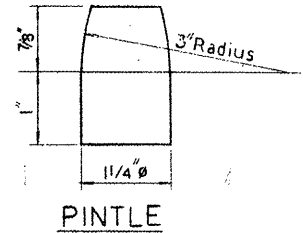
ELEVATION



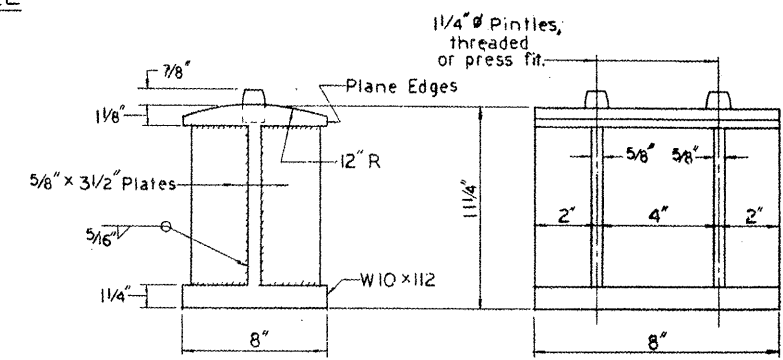
ELEVATION



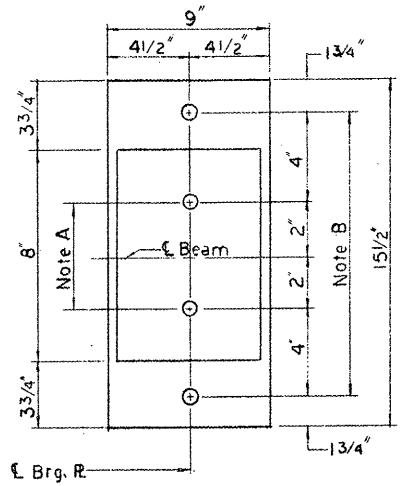
ROCKER



PINTLE

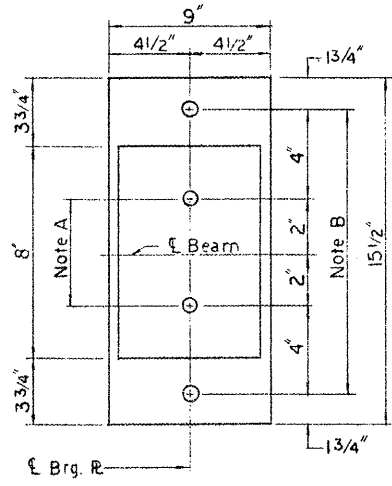


BOLSTER



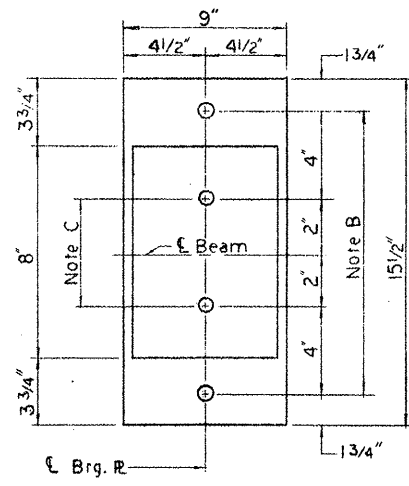
PLAN

AT N. ABUTMENT & PIER 5



PLAN

AT PIER 6 & 9



PLAN

AT PIER 7 & 8

NOTE A
1 3/8" Holes - 1" deep in top R for pintles. Thread or press fit pintles into bottom R.

NOTE B
1 1/2" Holes for 1" anchor bolts 5/16" x 2 1/2" x 2 1/2" R washer under nut

NOTE C
1 3/8" Holes - 1" deep in top R only for 1/4" pintles

BEARING ASSEMBLY DETAILS

NOTES ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.

a) D* (Side of brg. away from fixed brg.)
D* = 1/8" per each 100' of expansion for every 15° fall below the normal temp. of 50°F.

D** (Side of brg. toward fixed brg.)
D** = 1/8" per each 100' of expansion for every 15° rise above the normal temp. of 50°F.

b) After beams have been erected and dimensions D* or D** determined, holes shall be drilled and anchor bolts shall be grouted in place. All fixed anchor bolts may be built into the masonry.

INTERIOR BEAM MOMENT TABLE

	4 Span 6	P-6	5 Span 7	P-7	5 Span 8	P-8	5 Span 9	P-9	4 Span 10
I _s (in ⁴)	1550	1550	1550	1550	1550	1550	1550	1550	1550
I _c ³ (in ⁴)	3976		3976		3976		3976		3976
I _c (in ⁴)	5182		5182		5182		5182		5182
S _s (in ³)	131	131	131	131	131	131	131	131	131
S _c ³ (in ³)	1965		1965		1965		1965		1965
S _c (in ³)	217		217		217		217		217
Q (K/r)	70	70	70	70	70	70	70	70	70
M _Q (K)	72	119.7	56.2	111.8	56.5	119.0	63.3	98.3	35.7
f _{sQ} (KSI)	6.6	11.0	5.1	10.2	5.2	10.9	5.8	9.0	3.3
S _c (K/r)	29	29	29	29	29	29	29	29	29
M _{SQ} (K)	345	38.6	33.8	38.5	33.4	39.3	34.9	34.8	17.2
f _{sSQ} (KSI)	21	3.5	2.1	3.5	2.0	3.6	2.1	3.2	1.6
M _{LI} (K)	2686	141.5	286.6	148.7	287.1	148.9	293.8	141.6	171.8
f _{sLI} (KSI)	120	130	128	136	128	136	131	130	157
*f _{s Total}	37.3	47.0	37.1	47.3	37.1	48.3	38.7	44.0	40.4
VR (K)	43.2		35.9		35.8		36.0		36.0

* f_{s Total} = 1.3 (f_{sQ} + f_{sSQ}) + 3/8 f_{sLI} + 1

INTERIOR BEAM REACTION TABLE

	P-5	P-6	P-7	P-8	P-9	N.A.
R _Q (K)	14.6	45.	43.6	44.6	40.7	10.4
R _L (K)	31.0	37.6	37.8	37.7	37.4	27.4
Imp. (K)	9.4	11.3	11.0	11.2	11.2	8.3
R _{TOTAL} (K)	55.	93.9	92.9	93.5	89.3	46.1

NOTES FOR STRESS TABLE

I_s and S_s are the moment of inertia and section modulus of the steel section used in computing f_{s Total}.
I_c and S_c are the moment of inertia and section modulus of the composite section used in computing f_{s Total}.
VR is the maximum V + Impact shear range in span used to determine shear connector spacing.

BEARINGS UNIT II
F.A.R.T. 821 SEC. 17BR-1
WAYNE COUNTY
STA. 957+95.03
12B OF 16 74529