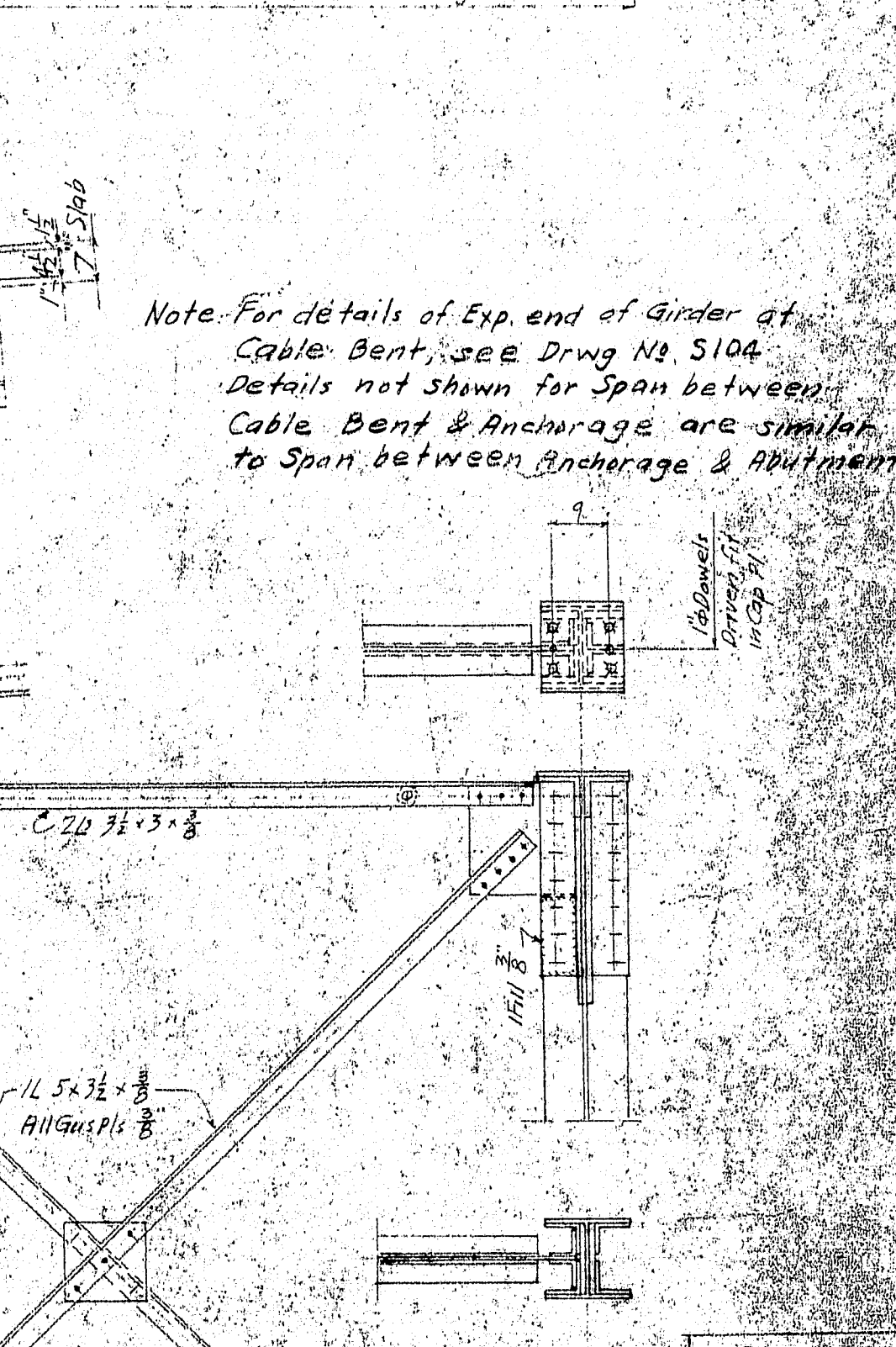
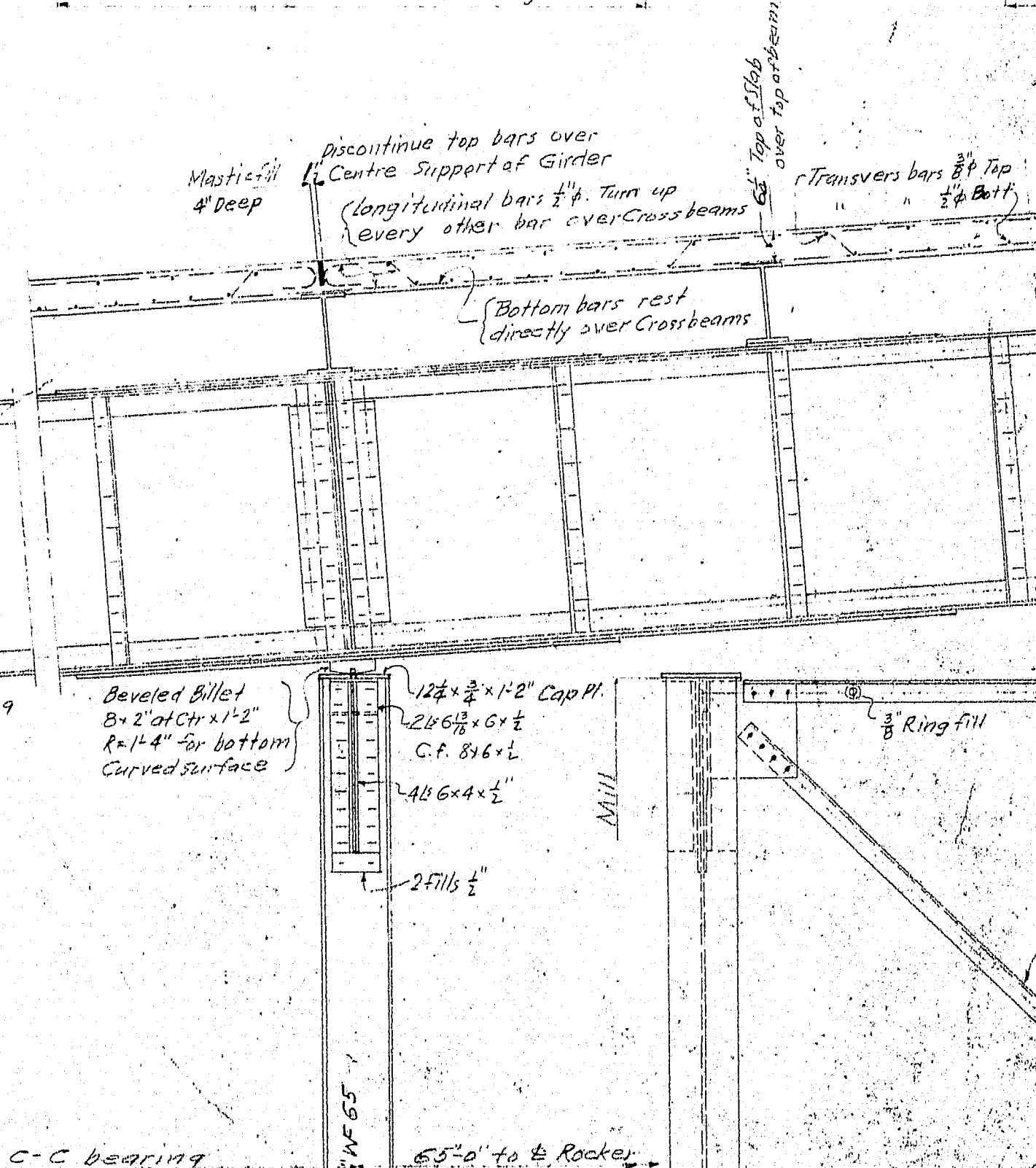
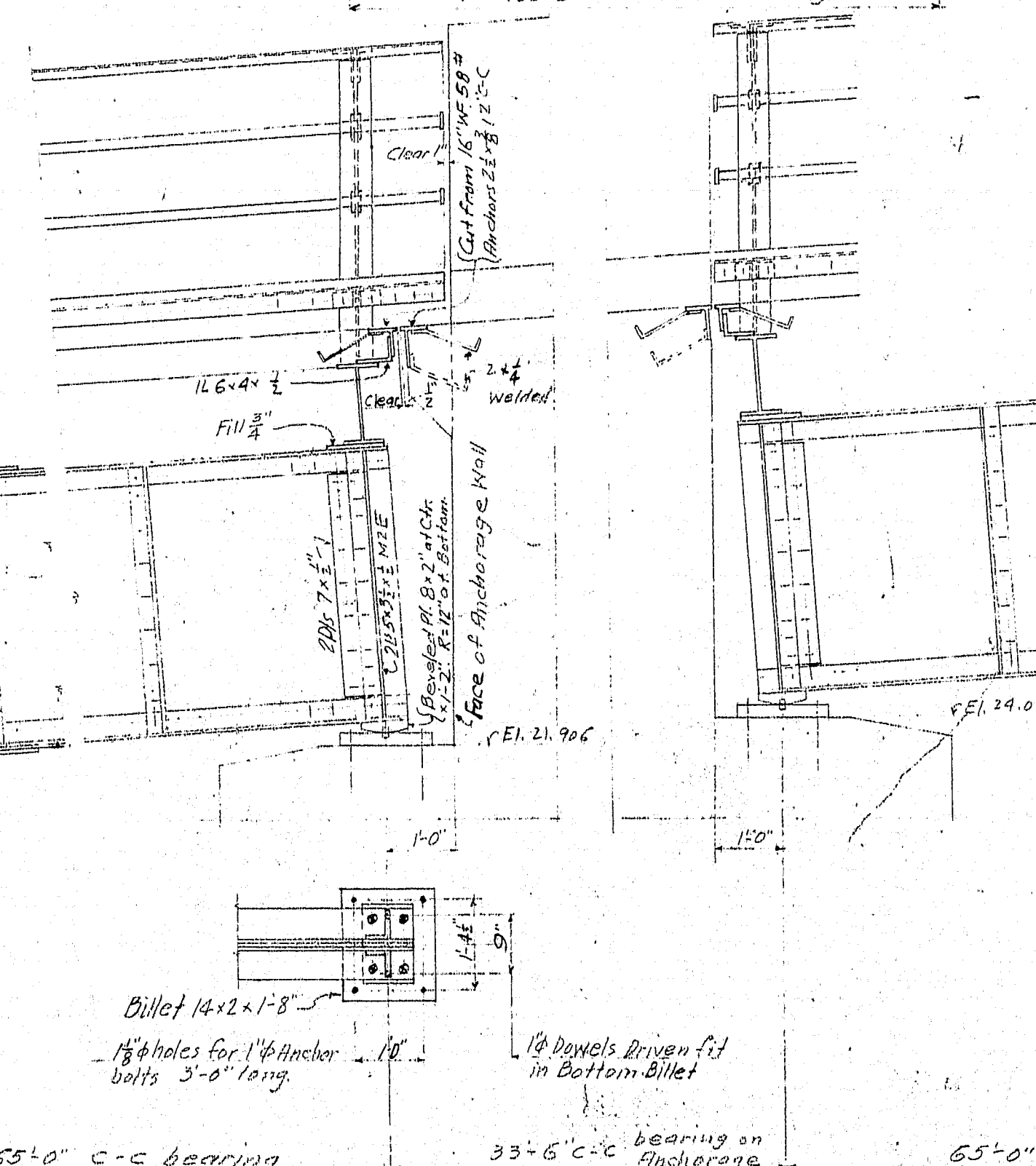
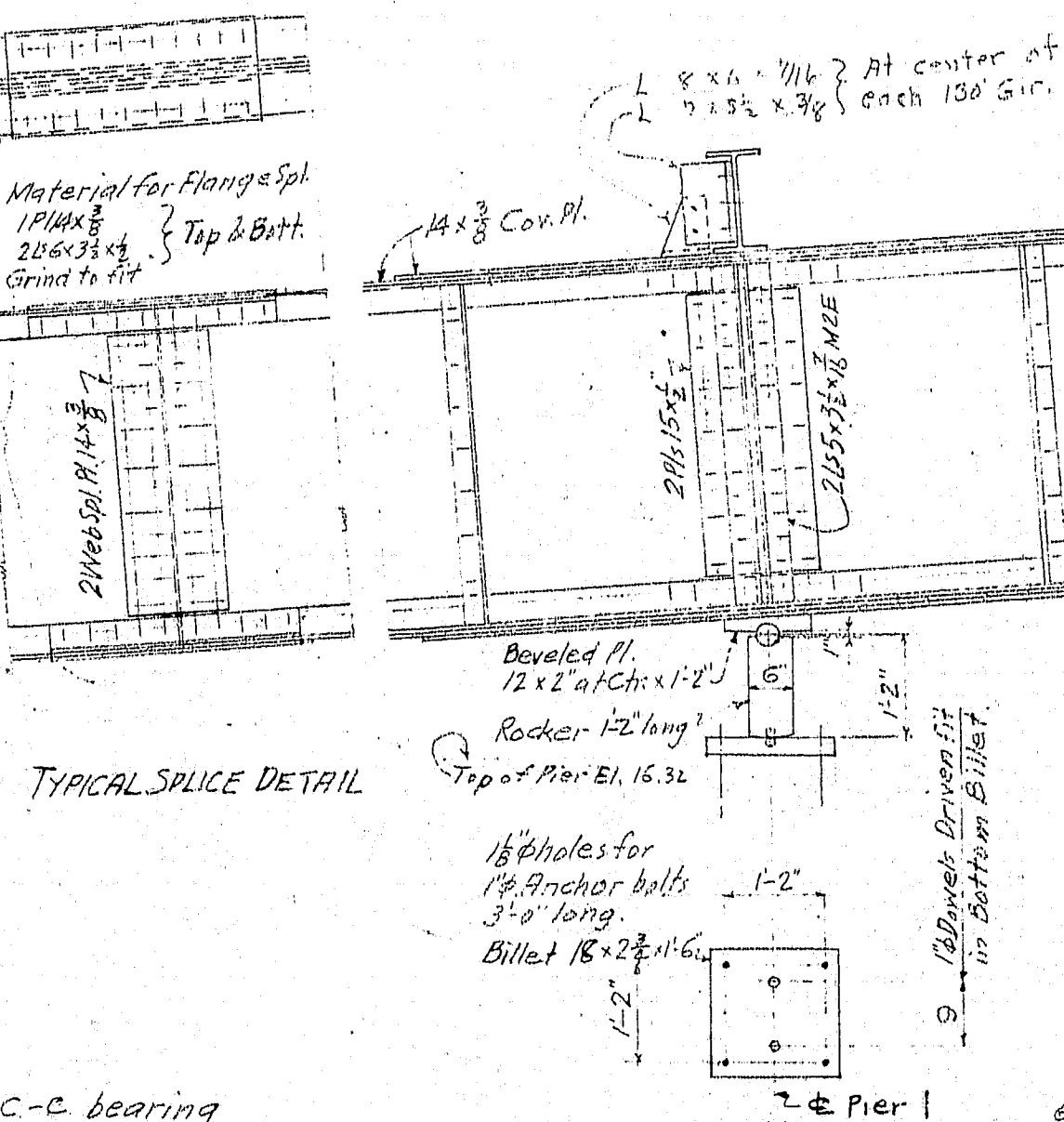
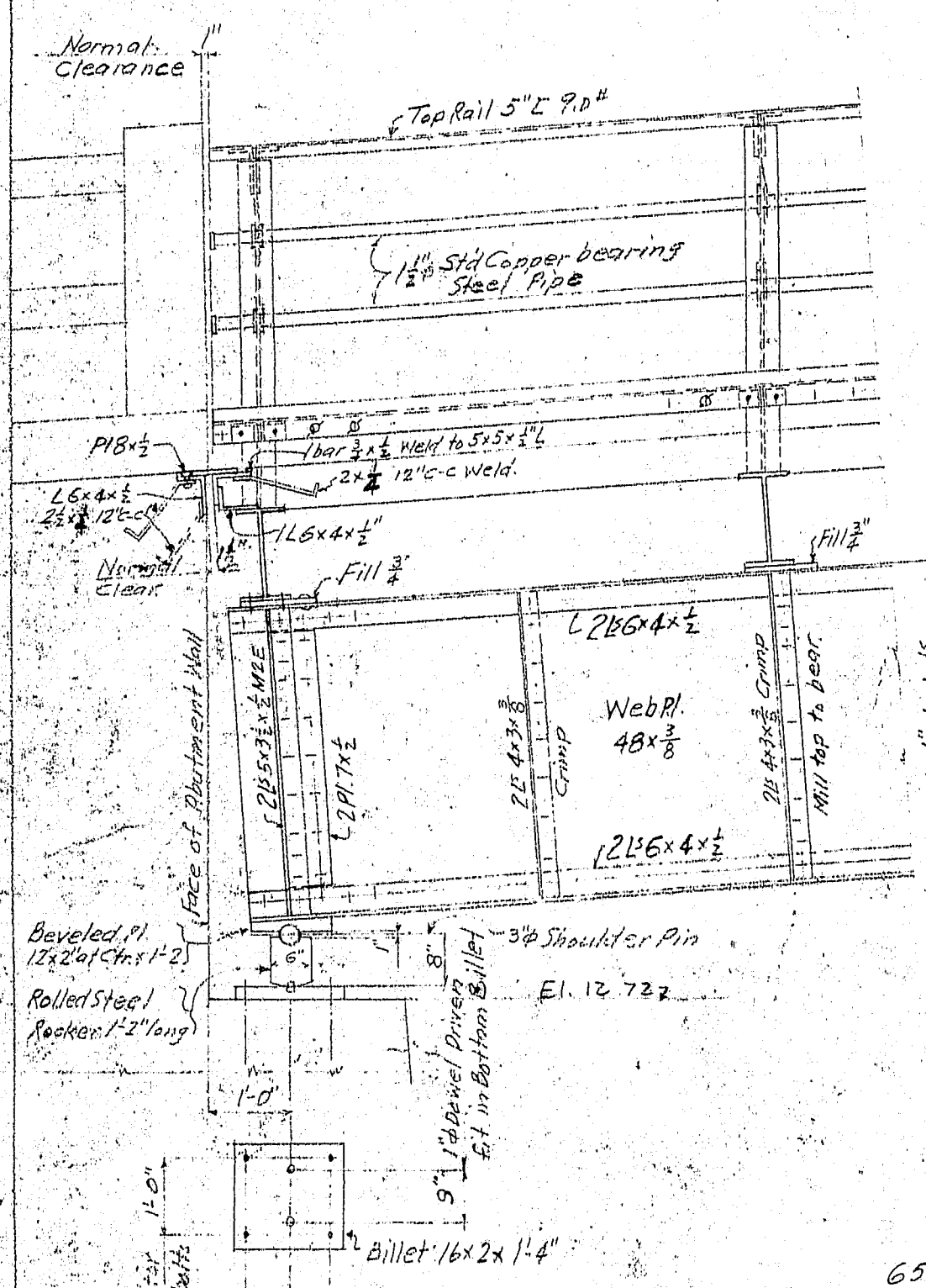
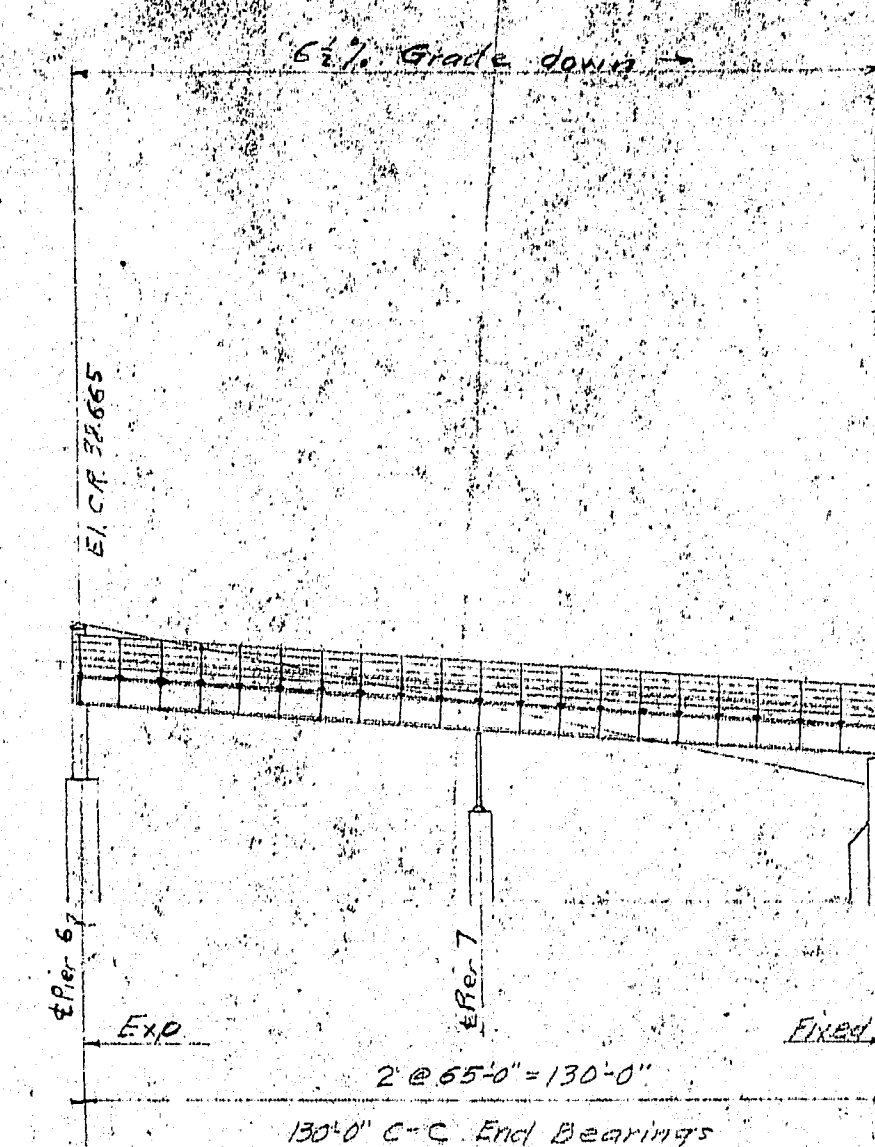
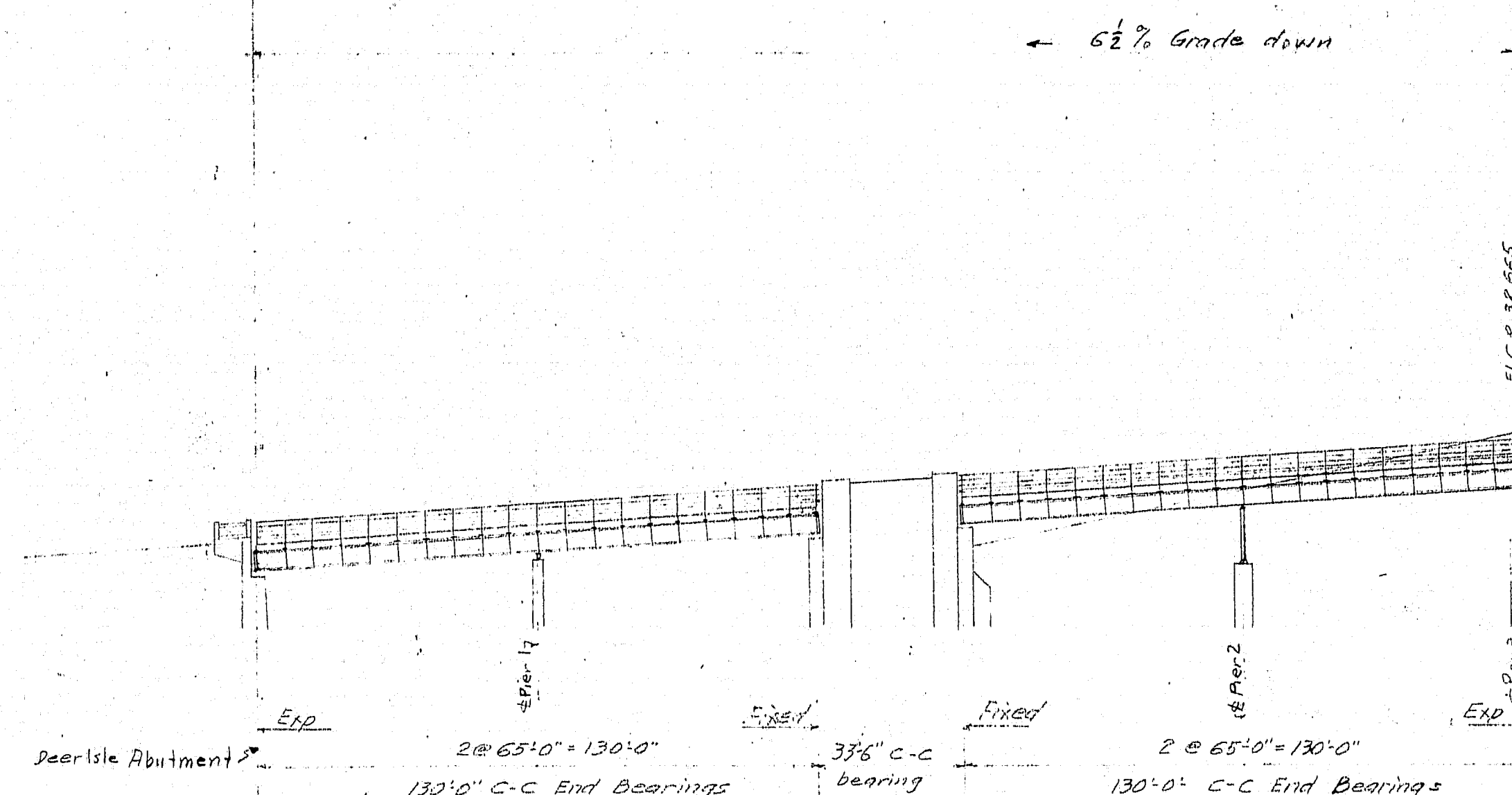
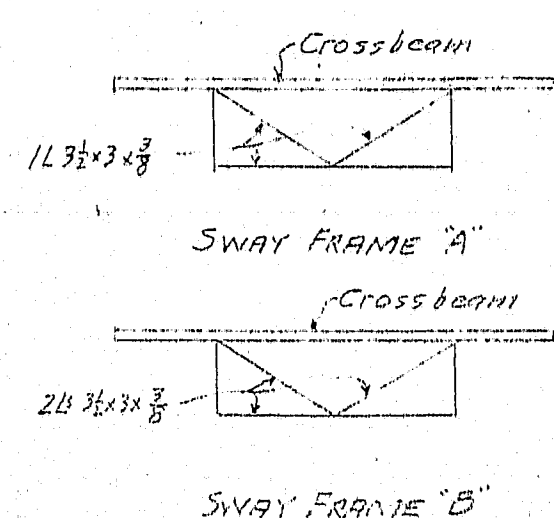
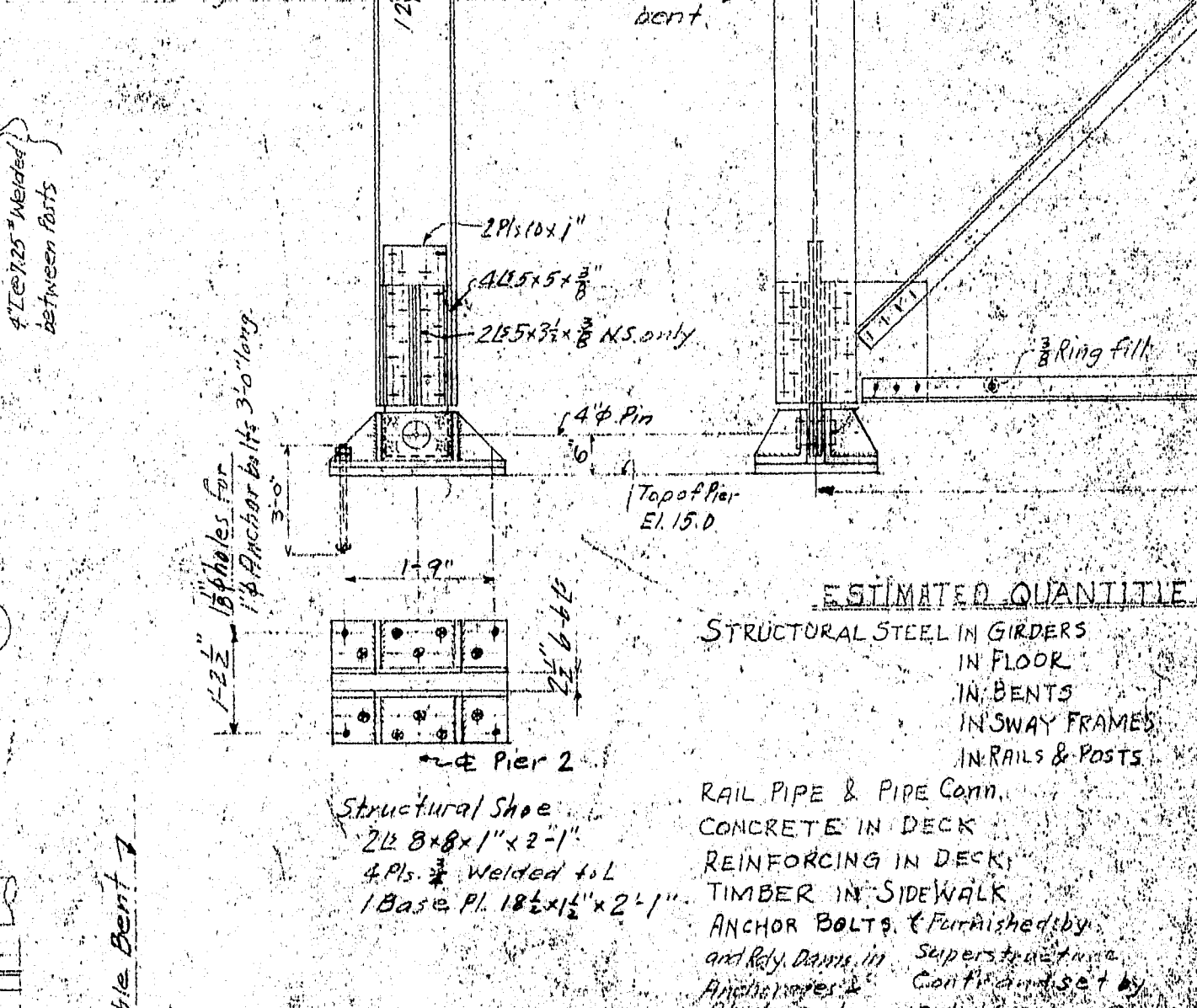
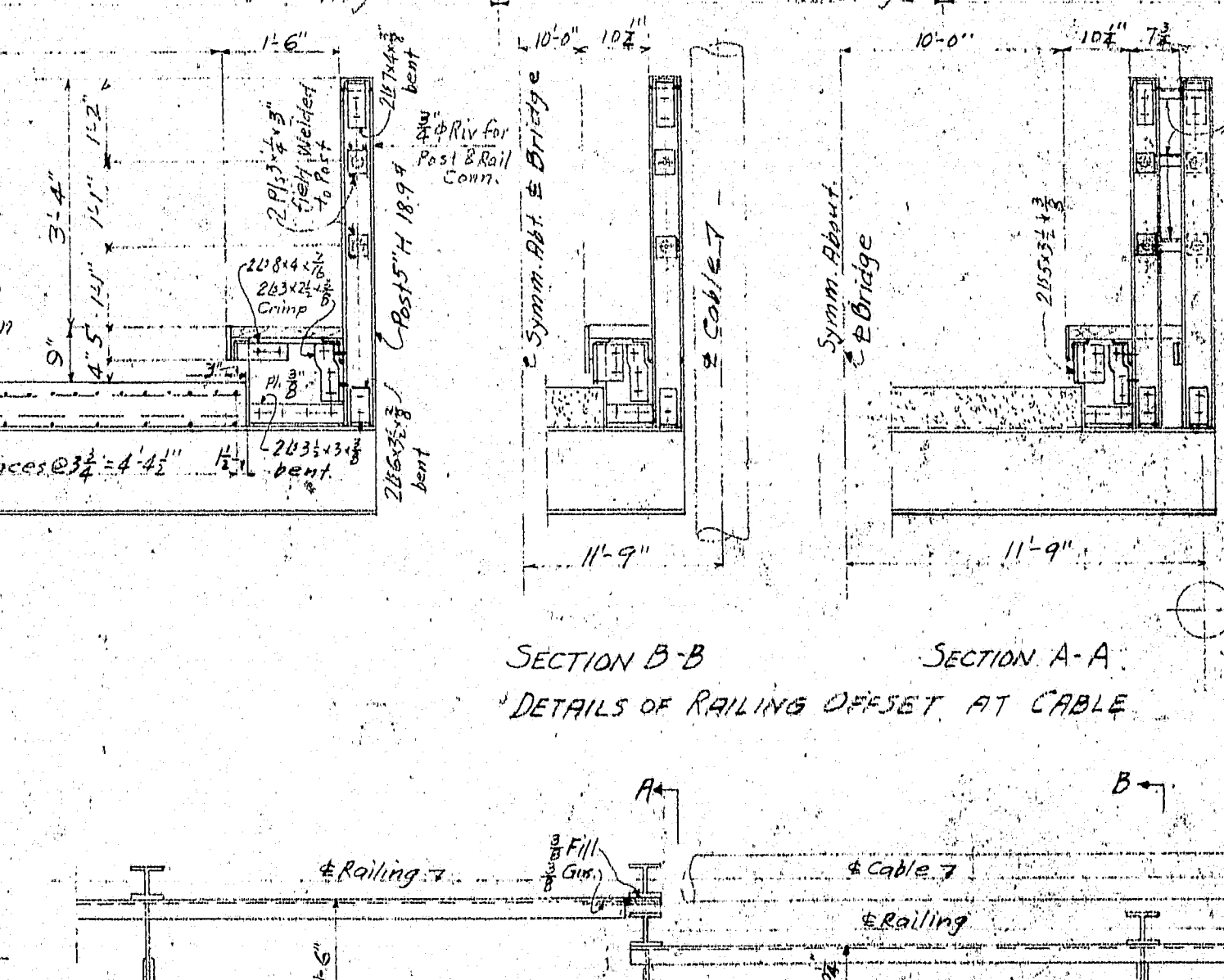
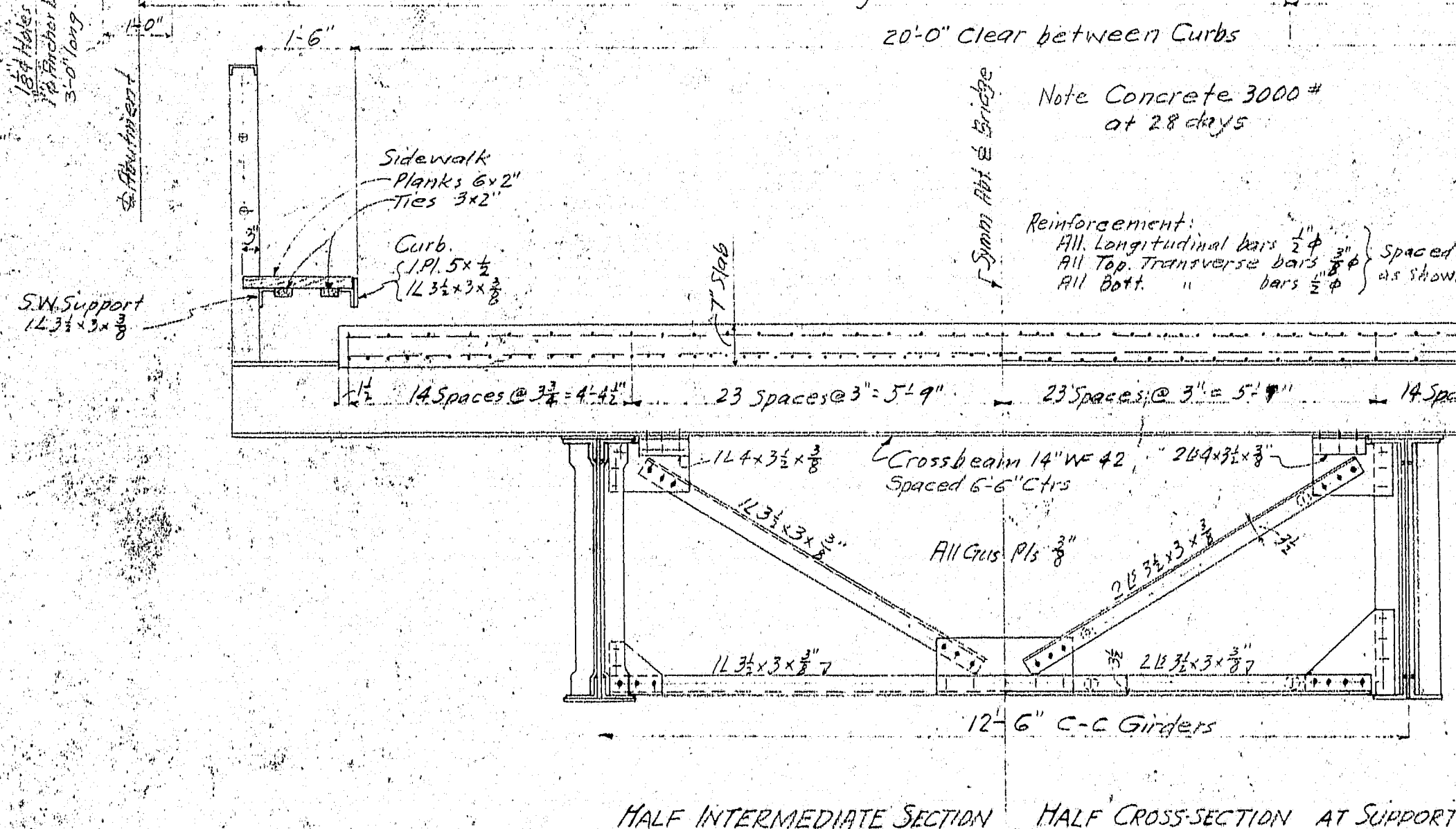


STRESSES & SECTIONS OF WADUET GROUND			
	MODULUS IN END SECTION	MODULUS AT CENTER	END REACTION CENTER REACTION
D.L.	397 K ¹	667 K ¹	31.7 K 10.5 S ¹
L.L. + I.	550	491	57.1 86.6
Total	947 K ¹	1158 K ¹	82.8 K ¹ 192.1 S ¹
Area Reqd	13.40" ²	16.40" ²	
Sections Used	$8 \times 19 \times 3 \frac{1}{2}$ Wals $2 \times 6 \times 4 \frac{1}{2}$ $1 \times 14 \times \frac{1}{2}$	$8 \times 19 \times 3 \frac{1}{2}$ Wals $2 \times 6 \times 4 \frac{1}{2}$ $1 \times 14 \times \frac{1}{2}$	End Stiffener C/C Stiffener $2 \times 5 \times 3 \frac{1}{2}$ $4 \times 3 \times 3 \frac{1}{2}$
Net Area	14.22" ²	19.77" ²	

CROSS BEAMS		
	Max. Moment at Center	End Reaction
DL	27 K	6.7 K
LL + I	623	399
Total	650 KI	466 K
SM Req'd	44	
Section used	14" WF 42.4	
SAF	607	



Note: For details of Exp. end of Girder at Cable Bent, see Drwg No. S104. Details not shown for Span between Cable Bent & Anchorage are similar to Span between Anchorage & Abutment.



<u>ESTIMATED QUANTITIES</u>	
STRUCTURAL STEEL IN GIRDERS	48,000 lbs
IN FLOOR	94,000 lbs
IN-CEILING	23,000 lbs
IN-SWAY FRAMES	12,000 lbs
IN RAILS & POSTS	19,300 lbs
RAIL PIPE & PIPE CORN.	46,000 lbs
CONCRETE IN DECK	173 cu yds
REINFORCING IN DECK	42,000 lbs
TIMBER IN SIDEWALK	110 cu yds
ANCHOR BOLTS & Furnished by	3000 lbs
and by Davis, Inc.	3900 lbs
Anchorages	Superficial
	Contracting
	and Set by

DEER ISLE SEDGWICK BRIDGE DISTRICT
BRIDGE OVER EGGEMOSSIN REACH
FROM LITTLE DEER ISLE TO SEDGWICK
HANCOCK COUNTY, MAINE..

Note: Riv. 8th holes $\frac{1}{4}$ " except as noted.
Structure designed for H-15 loading.
D. C. C. & S. L. L. Inc. Eng. 1935

ROBINSON AND STEINMAN
ENGINEERS
NEW YORK CITY

SCALE 3" = 1'-0"
DRAWING NO.
R5.3310-3
SEPTEMBER 8, 1954