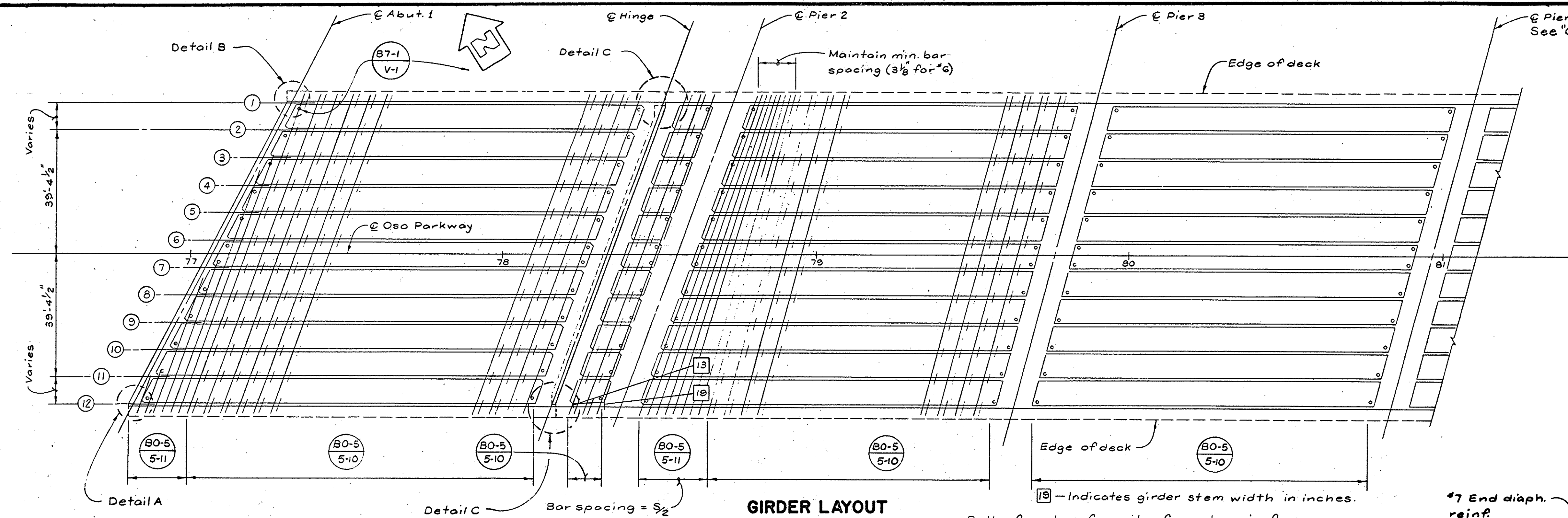




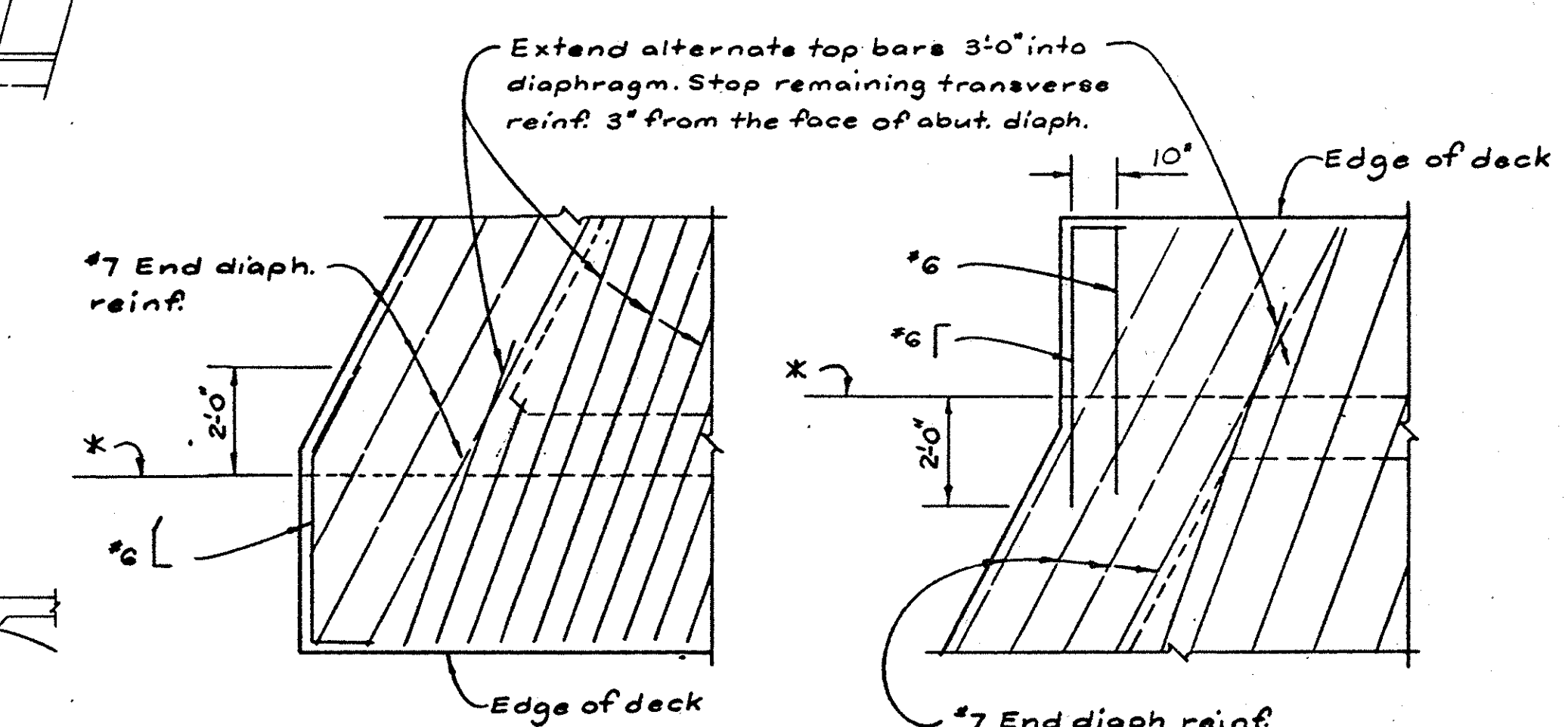
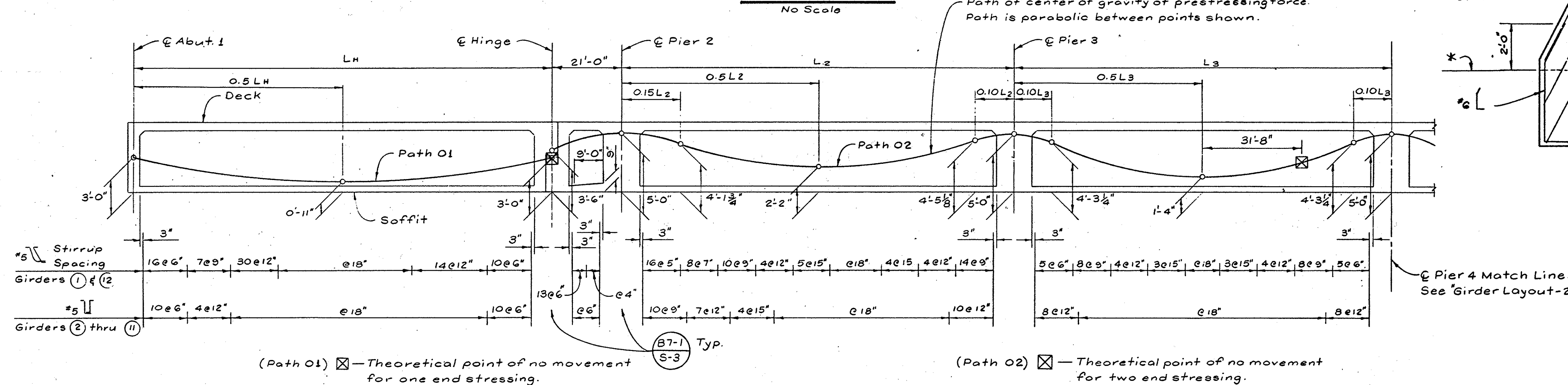
**PRESTRESSING NOTES (Path 01)**

270 KSI Low Relaxation Strand:  
 $P_{jack} = 20,336$  kips  
 $A_s = 100$  in<sup>2</sup>  
 Total Number of Girders = 12  
 Anchor Set = 3/8 in

Distribution of prestress force ( $P_{jack}$ ) between girders shall not exceed the ratio of 3:2. Maximum final force variation between girders shall not exceed 725".

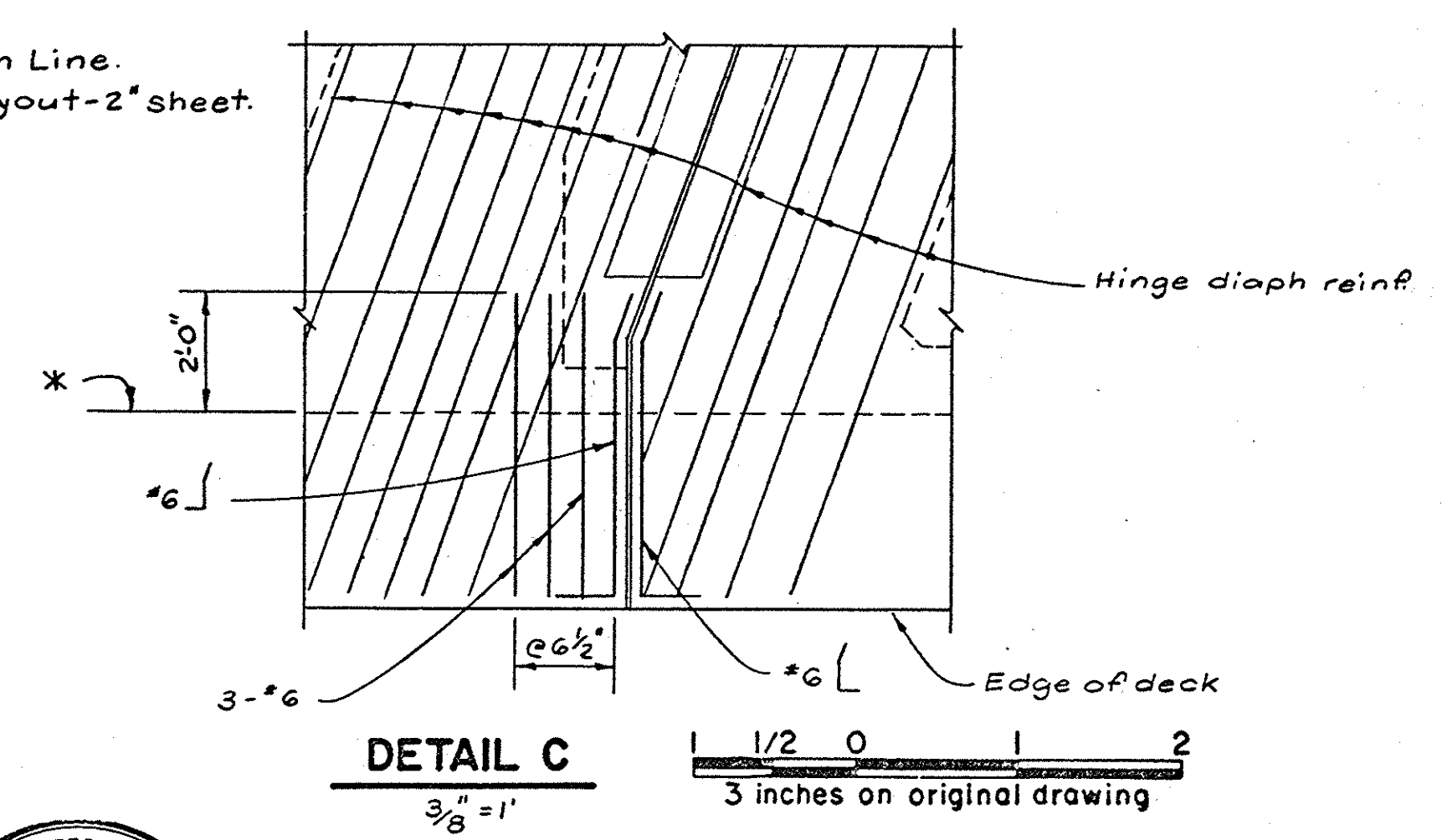
Concrete:  $f'_c = 4000$  psi @ 28 days  
 $f'_{cs} = 3500$  psi @ time of stressing

Contractor shall submit elongation calculations based on initial stress at  $\square = .944$  times jacking stress.



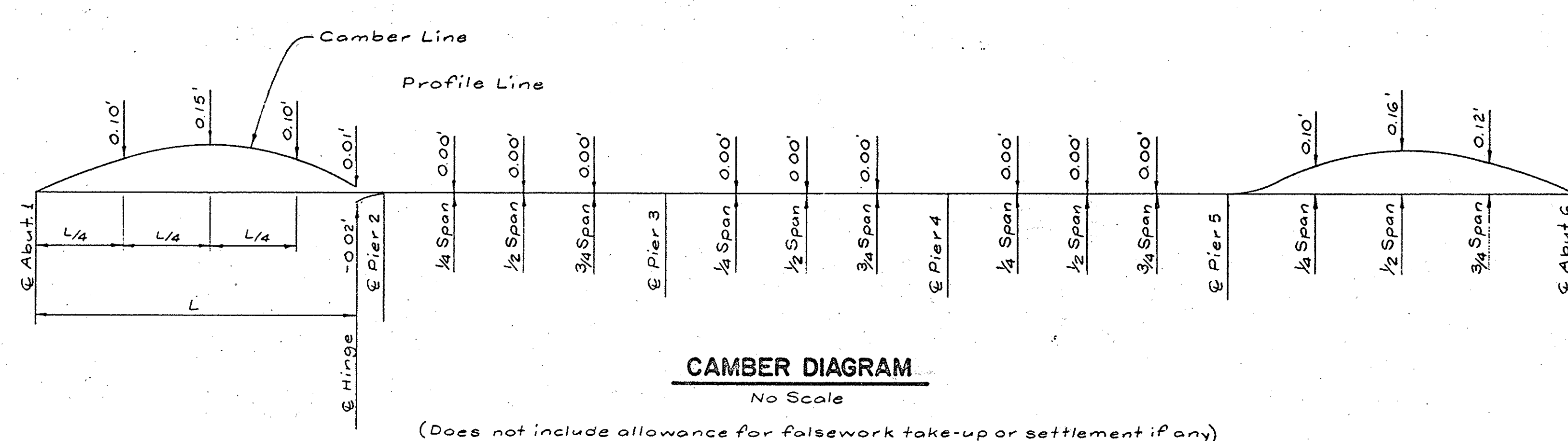
**DETAIL A** \* Face of exterior girder overhang.  $\frac{3}{8} = 1'$

**DETAIL B**  $\frac{3}{8} = 1'$



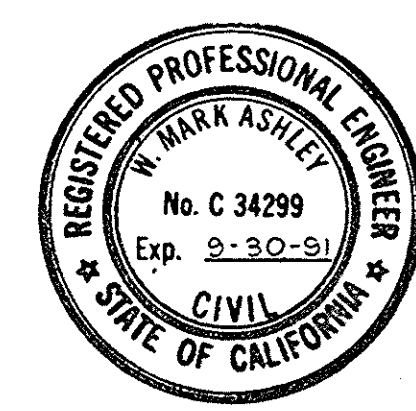
**DETAIL C**  $\frac{3}{8} = 1'$

1/2 0 1 2  
 3 inches on original drawing



**CAMBER DIAGRAM**  
 No Scale

(Does not include allowance for falsework take-up or settlement if any)



**McDANIEL ENGINEERING COMPANY, INC.**  
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ENGINEER OF WORK:  
 W. Mark Ashley C34299 9-30-91 8-10-89  
 W. Mark Ashley RCE EXP DATE

|                                                  |         |             |                               |
|--------------------------------------------------|---------|-------------|-------------------------------|
| ORANGE COUNTY<br>ENVIRONMENTAL MANAGEMENT AGENCY |         |             |                               |
| OSO PARKWAY BRIDGE<br>OVER ARROYO TRABUCO        |         |             |                               |
| GIRDER LAYOUT - I                                |         |             |                               |
| MARK                                             | DATE    | DESCRIPTION | PREPARED UNDER SUPERVISION OF |
| REVISIONS                                        |         |             |                               |
| DESIGNED                                         | SCALE   | DATE        | DWG. NO.                      |
| DRAWN                                            | CHECKED | AS SHOWN    | DATE                          |