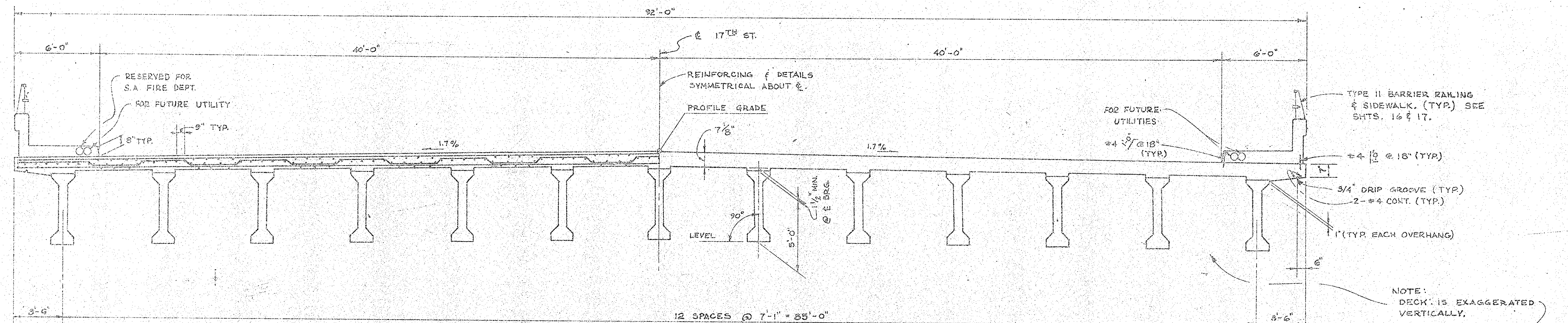




TYPICAL SECTION

SCALE: 1/4" = 1'-0"

GENERAL NOTES

SPECIFICATIONS:

DESIGN: AASHTO DATED 1973 WITH SUBSEQUENT REVISIONS, AND STATE OF CALIFORNIA BRIDGE PLANNING AND DESIGN MANUAL.

CONSTRUCTION: STANDARD SPECIFICATIONS, STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DATED JAN. 1975 AND THE SPECIAL PROVISIONS.

LIVE LOADING:

HS 20-44 AND ALTERNATIVE

UNIT STRESSES:

REINFORCING: $f_c = 24,000$ PSI IN SLAB AND WEB REINFORCEMENT, STEEL

CONCRETE: $f_c = 1300$ PSI; $f_c = 3250$ PSI @ 28 DAYS; $n = 10$

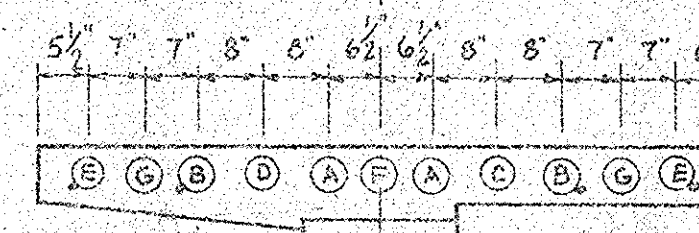
PILE LOADING:

TYPE 45-1 DESIGN CAPACITY 45 TONS. SEE SHT. 19

CONCRETE:

CLASS "A" USING TYPE II PORTLAND CEMENT.

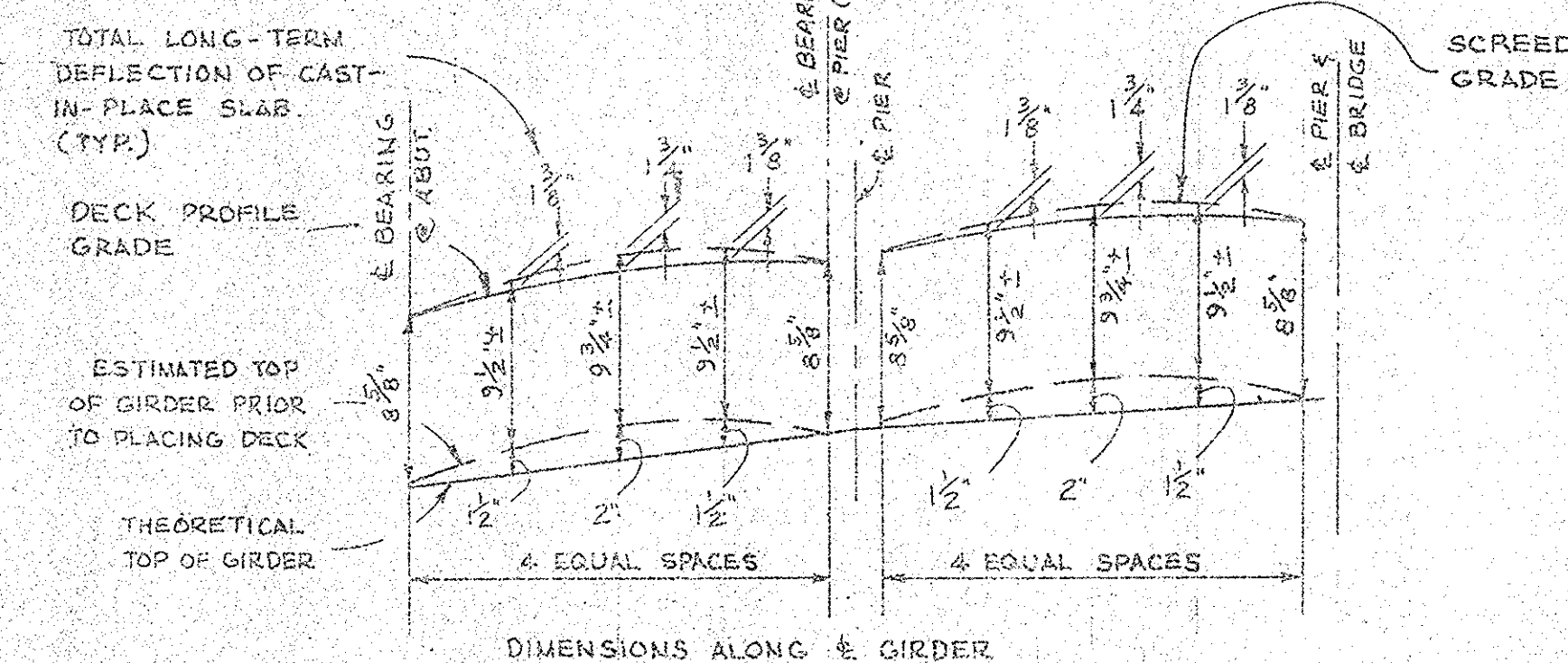
EXTERIOR FLANGE INTERIOR FLANGE



PLACING DIAGRAM

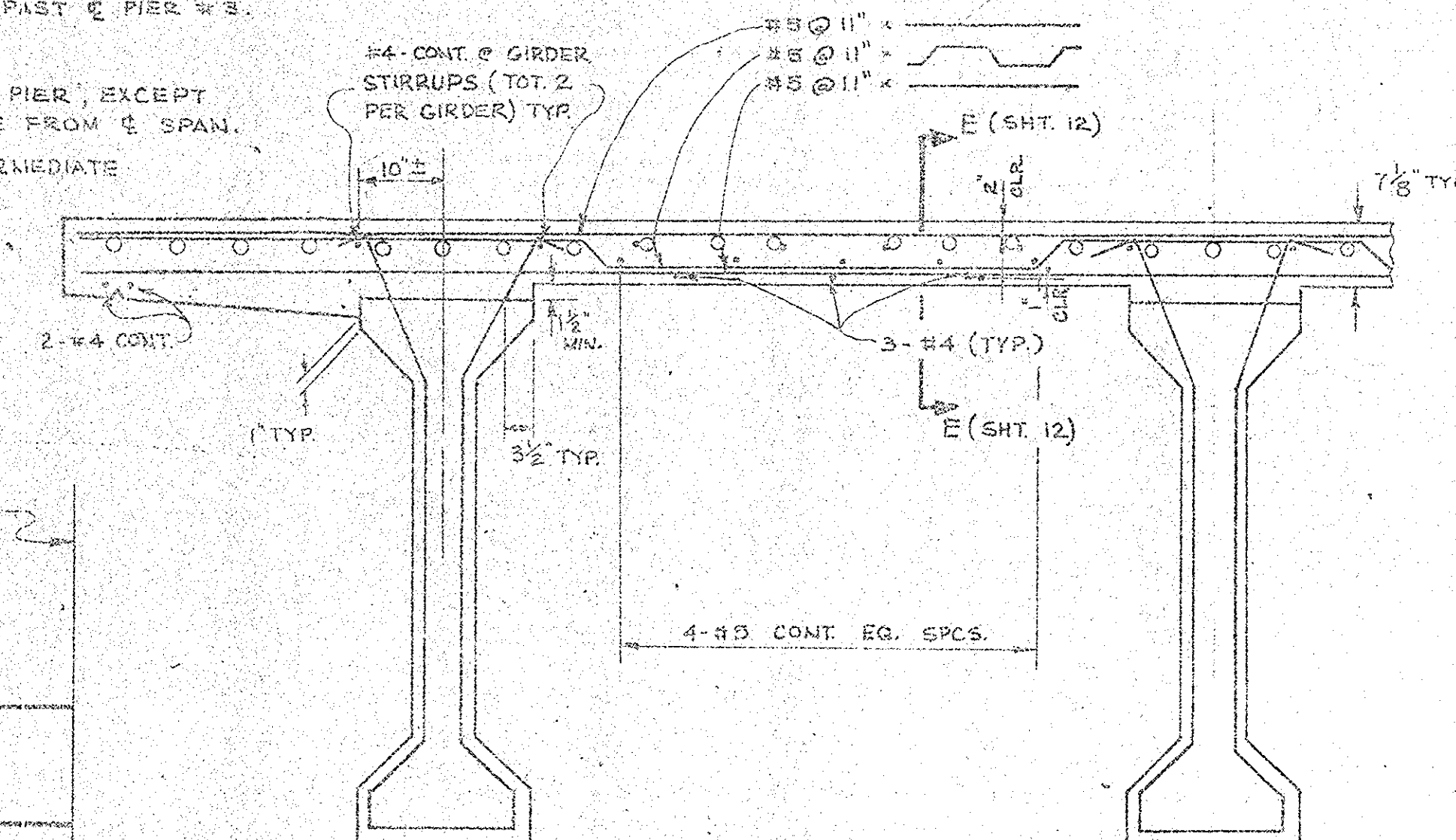
NOTES FOR DECK REINFORCEMENT

- 1) REINFORCEMENT SYMMETRICAL ABOUT C PIER #3 EXCEPT BARS (D) & (E) WHICH EXTENDS (XX) FEET PAST C PIER #3.
- 2) ALL BARS ARE #8 EXCEPT AS NOTED.
- 3) DIMENSIONS AT END OF BARS ARE FROM C PIER, EXCEPT BARS NOTED BY (D). THESE DIMENSIONS ARE FROM C SPAN.
- 4) FOR ADDITIONAL REINF. IN SLAB OVER INTERMEDIATE DIAPHRAGMS, SEE SHT. #12.
- 5) MINIMUM LAP (60d) = 5'-0" FOR #8 BARS.



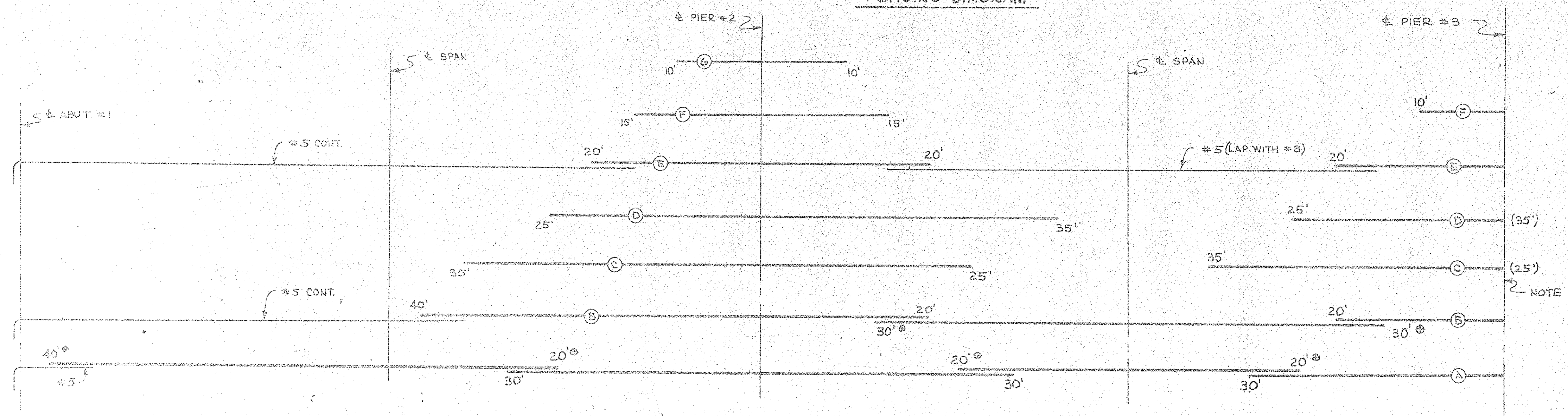
CAMBER DIAGRAM

NO SCALE



TYPICAL DECK REINFORCING

SCALE: 3/4" = 1'-0"



DECK REINFORCEMENT

SCALE: 1/8" = 1'-0"

ORANGE COUNTY ROAD DEPARTMENT

SEVENTEENTH STREET BRIDGE
SA-20

ACROSS SANTA ANA RIVER

TYPICAL SECTION

AS SHOWN

SHEET 13 OF 20

DR 17 (12215)