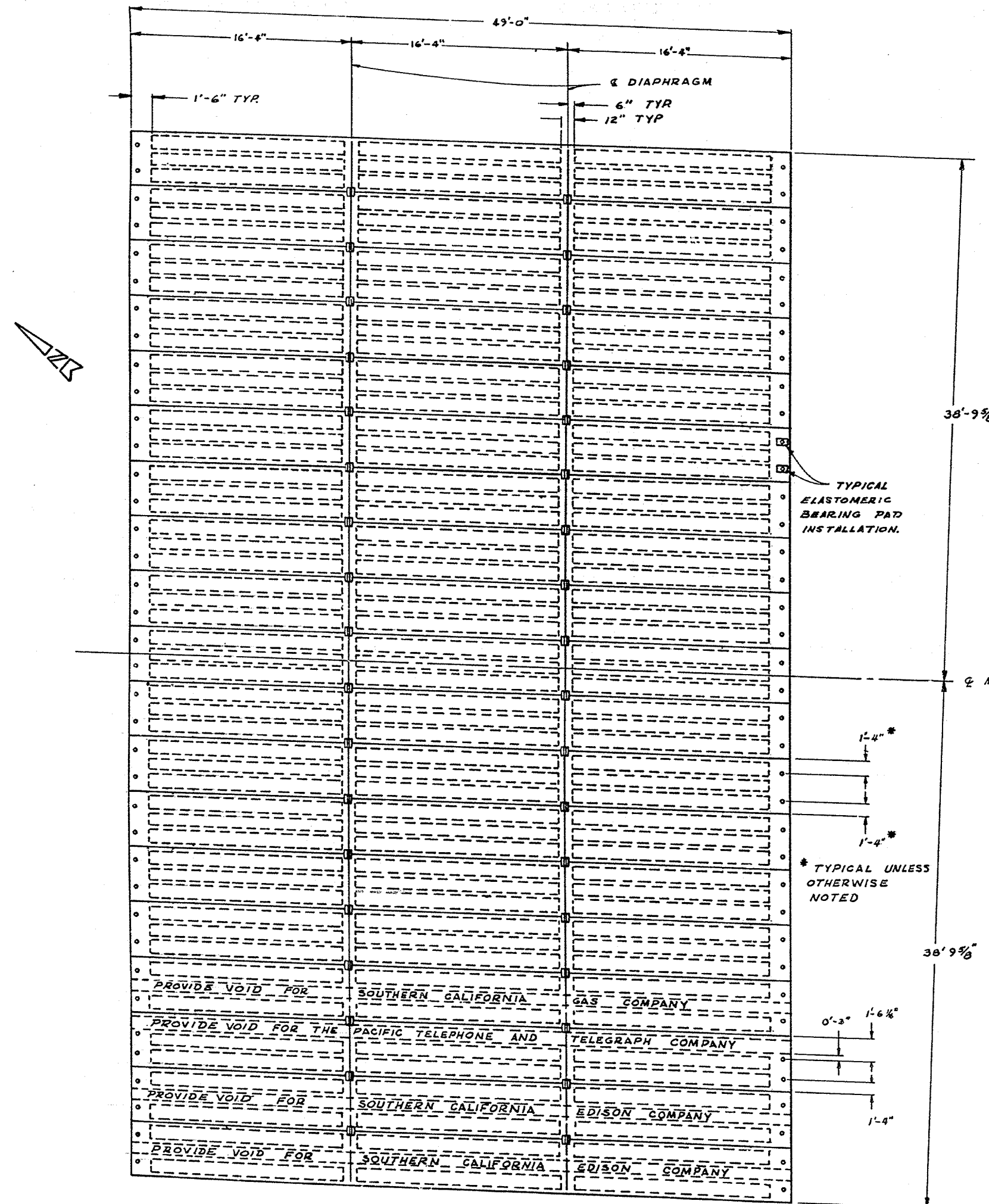
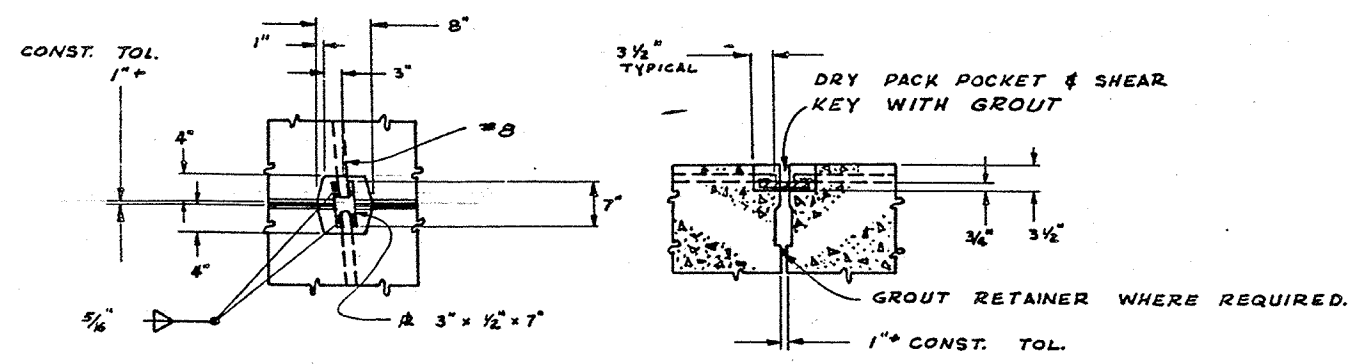
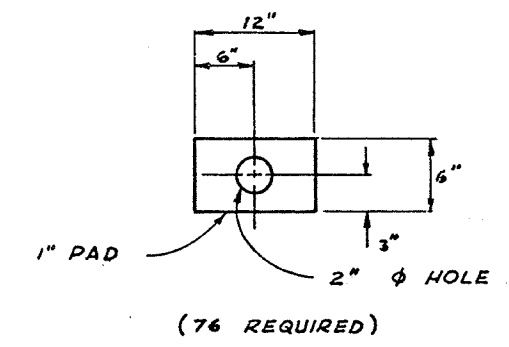
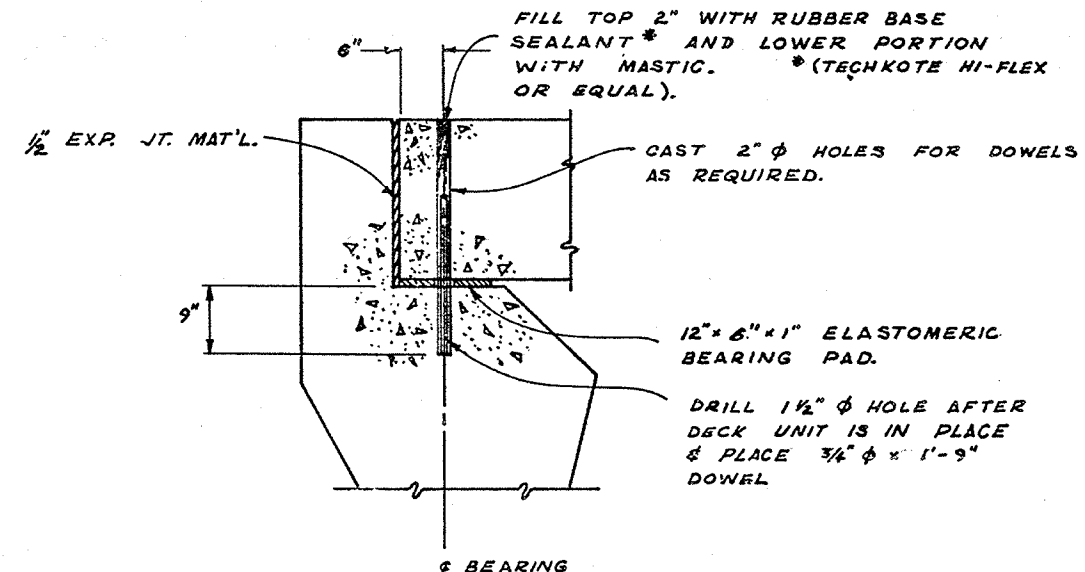
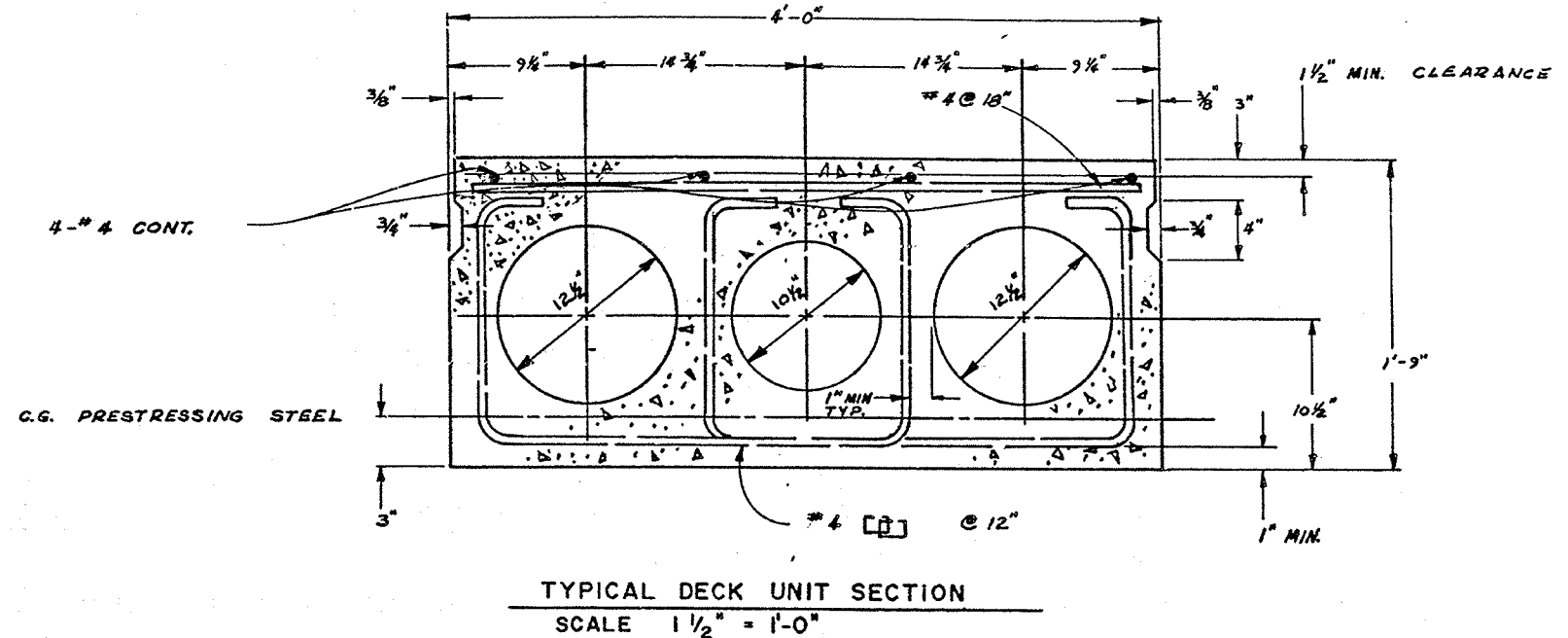




TYPICAL DECK UNIT PLAN
SCALE 3/16" = 1'-0"



TYPICAL TRANSVERSE TIE BAR DETAILS
NO SCALE



ELASTOMERIC BEARING PAD DETAILS
NO SCALE

PRECAST PRESTRESSED CONCRETE
DECK UNIT DESIGN CRITERIA

SPECIFICATIONS
DESIGN: A.A.S.H.O. DATED 1969 WITH SUBSEQUENT REVISIONS, AND CALIFORNIA DIVISION OF HIGHWAYS BRIDGE PLANNING AND DESIGN MANUAL.
CONSTRUCTION: STANDARD SPECIFICATIONS, CALIFORNIA DIVISION OF HIGHWAYS DATED 1971 AND THE SPECIAL PROVISIONS
LIVE LOADING: HS 20-44
UNIT STRESSES (BASIS OF DESIGN)
CONCRETE: $f'_c = 4500$ P.S.I. @ 28 DAYS
 $f'_c = 4000$ P.S.I. @ TRANSFER
PRESTRESSING STEEL: $f'_s = 270,000$ P.S.I.
REINFORCING STEEL: $f'_s = 24,000$ P.S.I. (TENSION)
 $16,000$ P.S.I. (COMPRESSION)

DECK UNIT DATA

NUMBER	STRANDS	BASIC WEIGHT	DESIGN MOMENT	DESIGN PRESTRESS FORCE IN KIPS	BOND BREAKERS @ ENDS
					NUMBER LENGTH
22	35,825	6140	504.5	8	10'-0"

* WEIGHT IN POUNDS
 ** GROSS MOMENT DUE TO DEAD, LIVE, & IMPACT LOADS IN INCH KIPS.

AS BUILT

(11037)
 MUIRLANDS BLVD.
 Sheet 14 of 17
 Red. 22.5.11
 Lines

ORANGE COUNTY ROAD DEPARTMENT
 MUIRLANDS BLVD.
 BRIDGE AL-II
 OVER
 ALISO CREEK
 DECK UNIT 8
 MISCELLANEOUS DETAILS
 AS NOTED SHEET 14 OF 17

On 14 (11037)