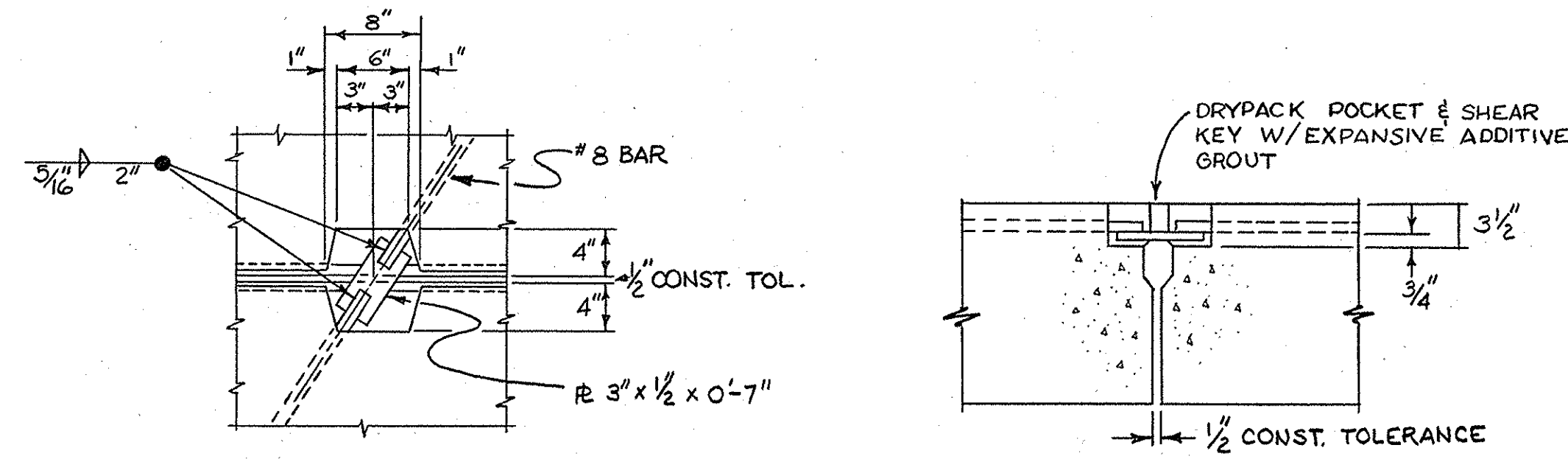
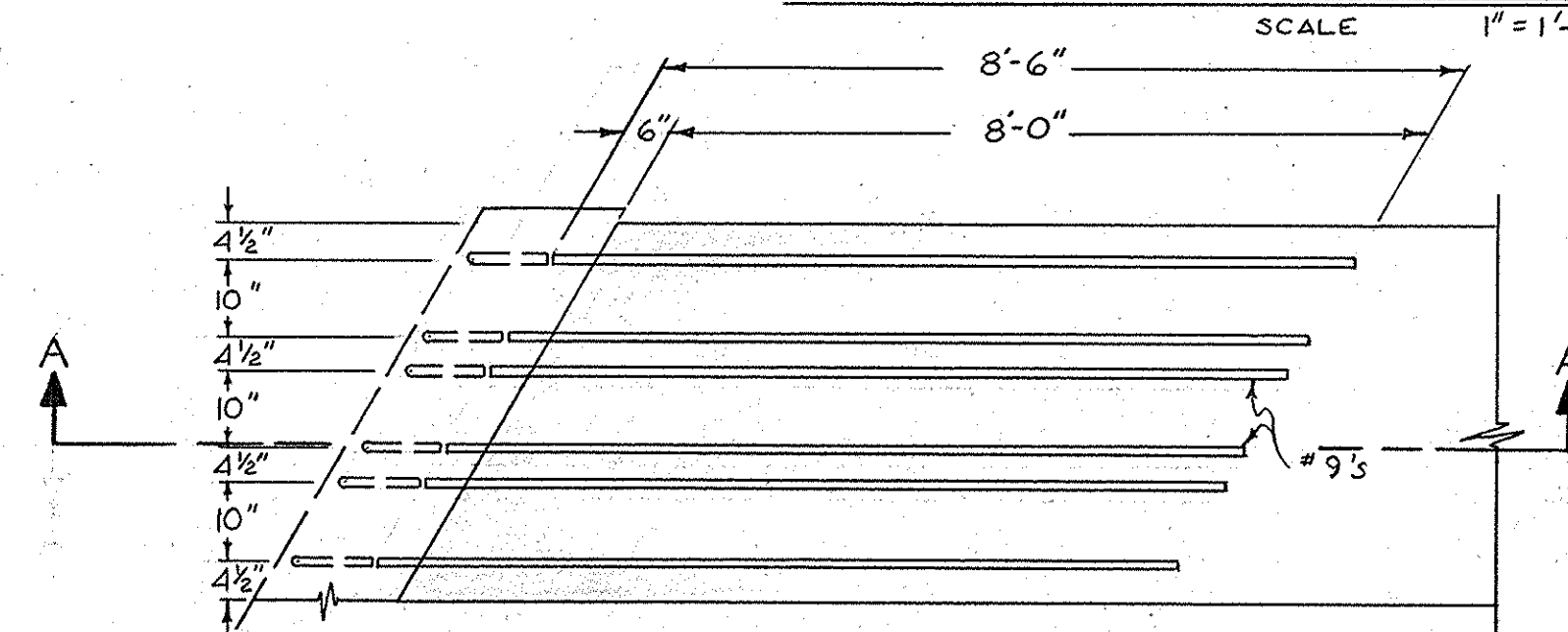
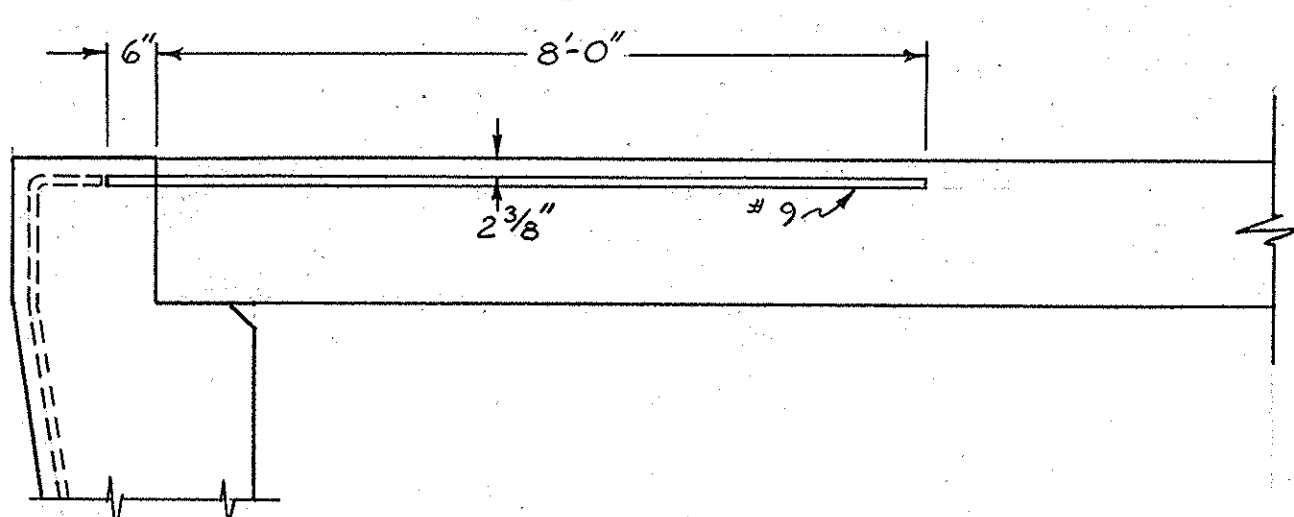




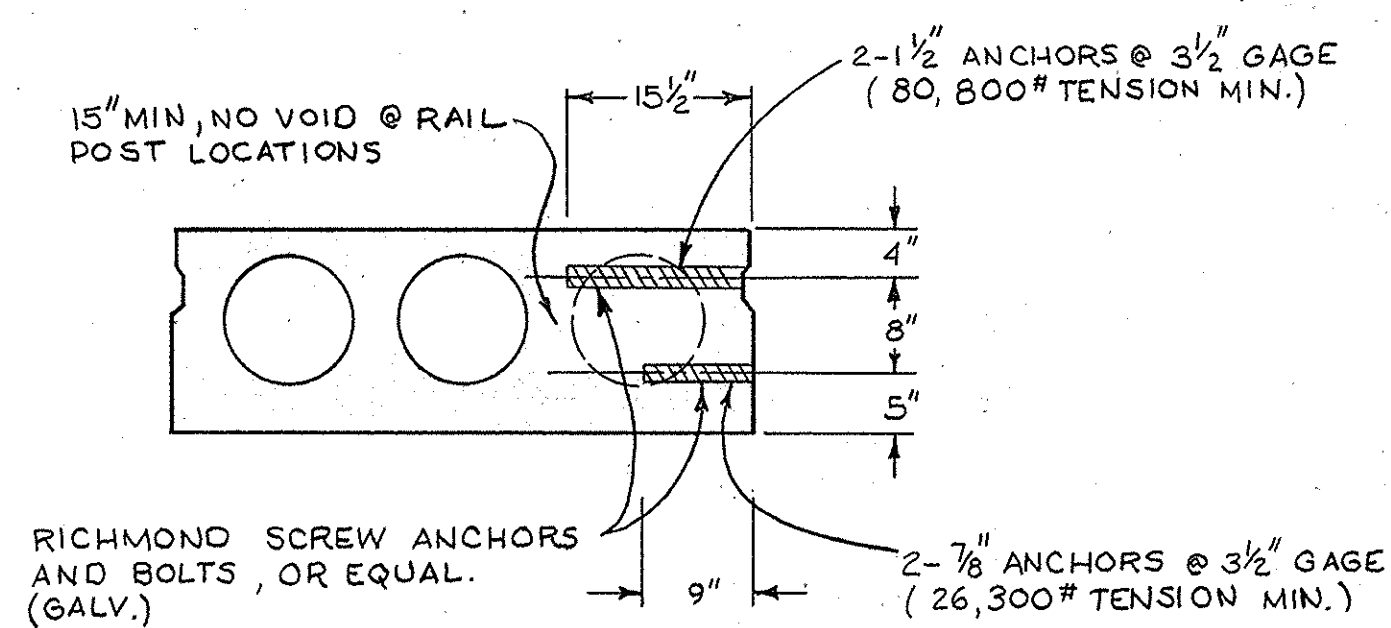
PLAN
SECTION
TYPICAL TRANSVERSE TIE BAR DETAILS
SCALE 1" = 1'-0"



TYPICAL END OF DECK UNIT DETAIL
SCALE 1/2" = 1'-0"



SECTION A-A
SCALE 1/2" = 1'-0"



TYPICAL GUARD RAIL
BOLT INSERT DETAIL
SCALE 3/4" = 1'-0"

DECK UNIT DATA

N _s 1/2" STRANDS	*BASIC WEIGHT	*DESIGN MOMENT	DESIGN PRESTRESS FORCE IN KIPS	BOND BREAKERS @ ENDS	NUMBER	LENGTH
14	20,500	3060	330	4	4'-8"	

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

PRECAST PRESTRESSED CONCRETE DECK UNIT DESIGN CRITERIA

SPECIFICATIONS:

DESIGN: A.A.S.H.O. DATED 1963 WITH SUBSEQUENT REVISIONS, AND CALIF. DIVISION OF HIGHWAYS BRIDGE PLANNING AND DESIGN MANUAL.

CONSTRUCTION: STANDARD SPECIFICATIONS, DIVISION OF HIGHWAYS, CALIF. DATED JAN. 1969 AND THE SPECIAL PROVISIONS.

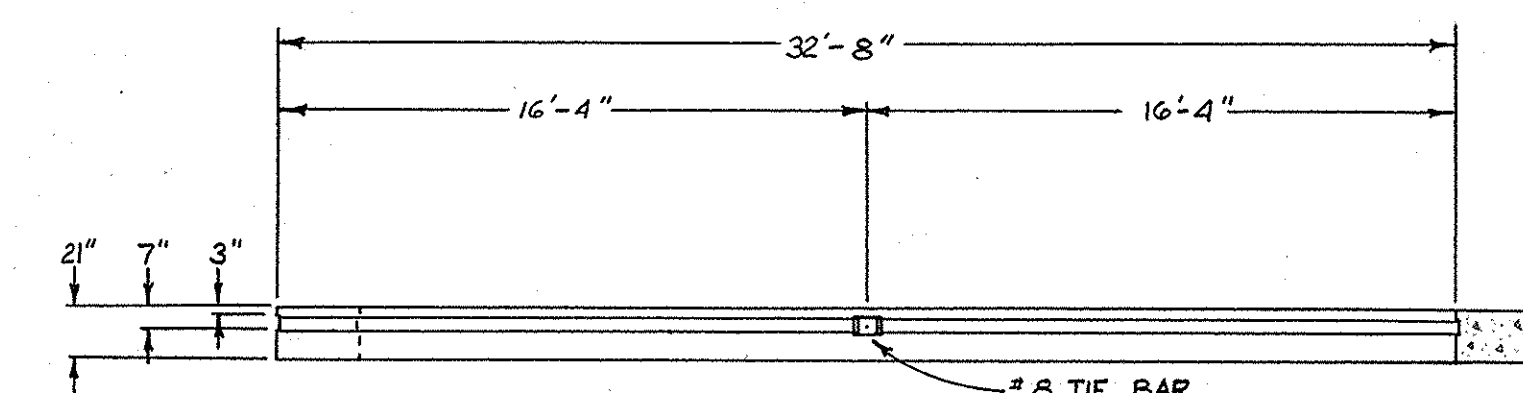
LIVE LOADING: H20-S16-44 & ALTERNATE

UNIT STRESSES: (BASIS OF DESIGN)

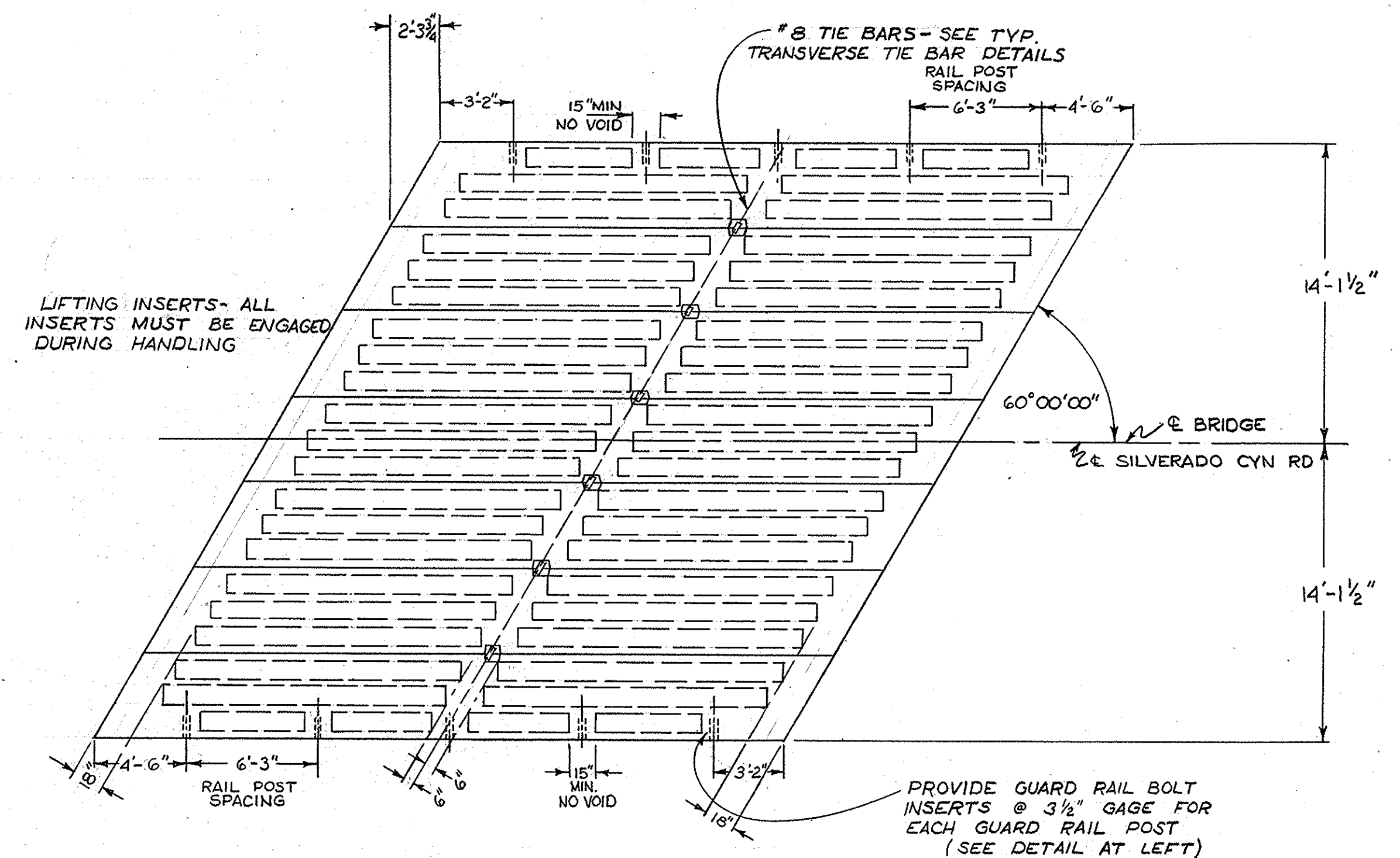
CONCRETE: $F_c = 5000$ P.S.I. @ 28 DAYS
 $F_c = 4000$ P.S.I. @ TRANSFER
 $F_c = 2000$ P.S.I. (COMPRESSION), 212 P.S.I. (TENSION)

PRESTRESSING STEEL: $F_s = 270,000$ P.S.I.

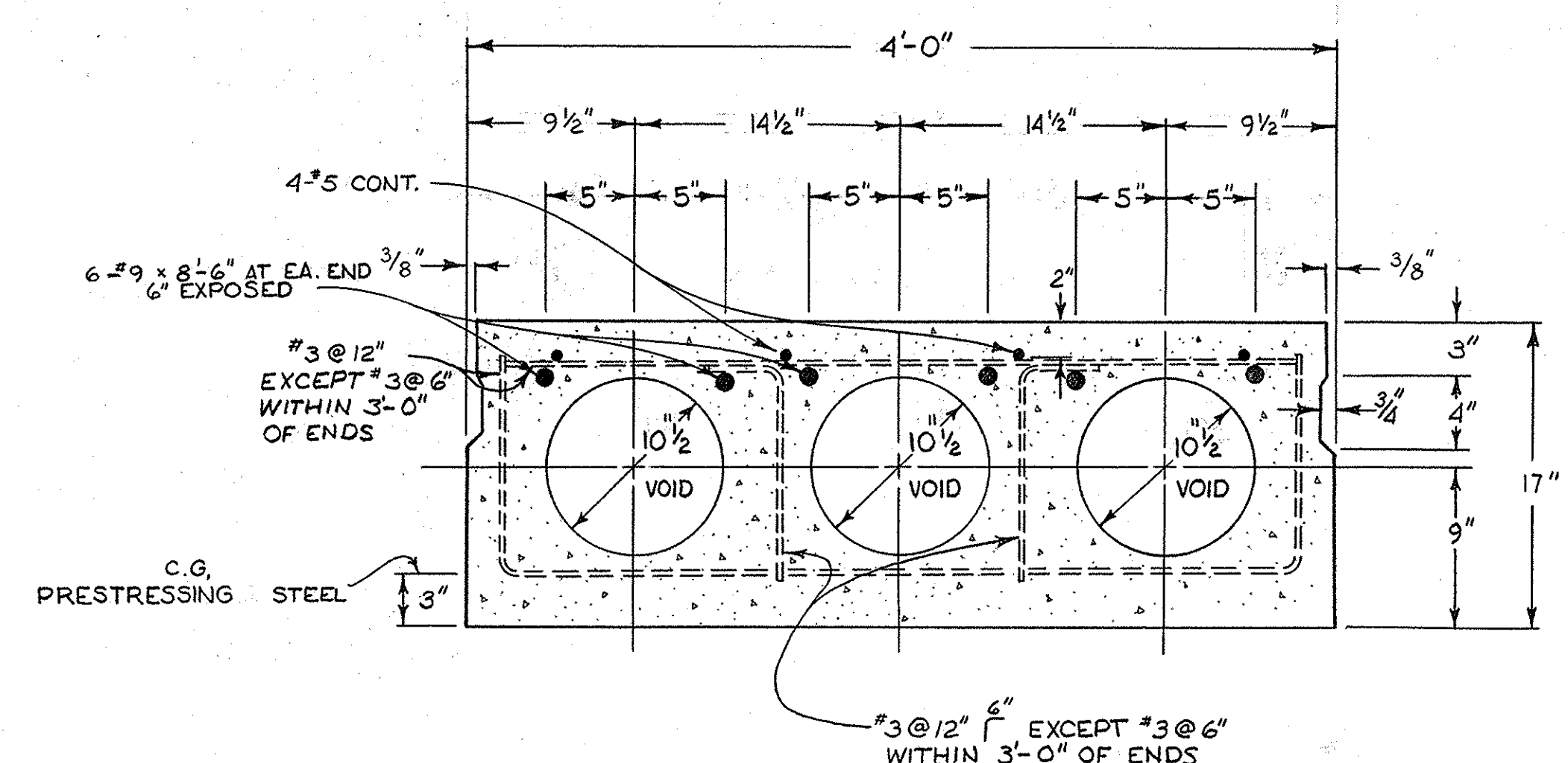
REINFORCING STEEL: $F_s = 20,000$ P.S.I. (TENSION), 16,000 P.S.I. (COMP.)



ELEVATION
SCALE 3/16" = 1'-0"



TYPICAL H20-S16-44 DECK UNIT PLAN
SCALE 3/16" = 1'-0"



TYPICAL H20-S16-44 DECK UNIT SECTION
SCALE 1 1/2" = 1'-0"

CONSTRUCTION PLANS - BRIDGES
Silverado Canyon Road
Sheet 5 of 12
Red. 22.5:1 Scale: as shown
Vellum

ORANGE COUNTY ROAD DEPARTMENT	
SILVERADO CYN. RD. BRIDGE SV-9 ACROSS SILVERADO CREEK	
DECK UNIT & MISC. DETAILS	
Desig. by: [] Checked by: [] Approved by: [] Date: []	NOTED SHEET 5 OF 12

DR. 17 (10/26)