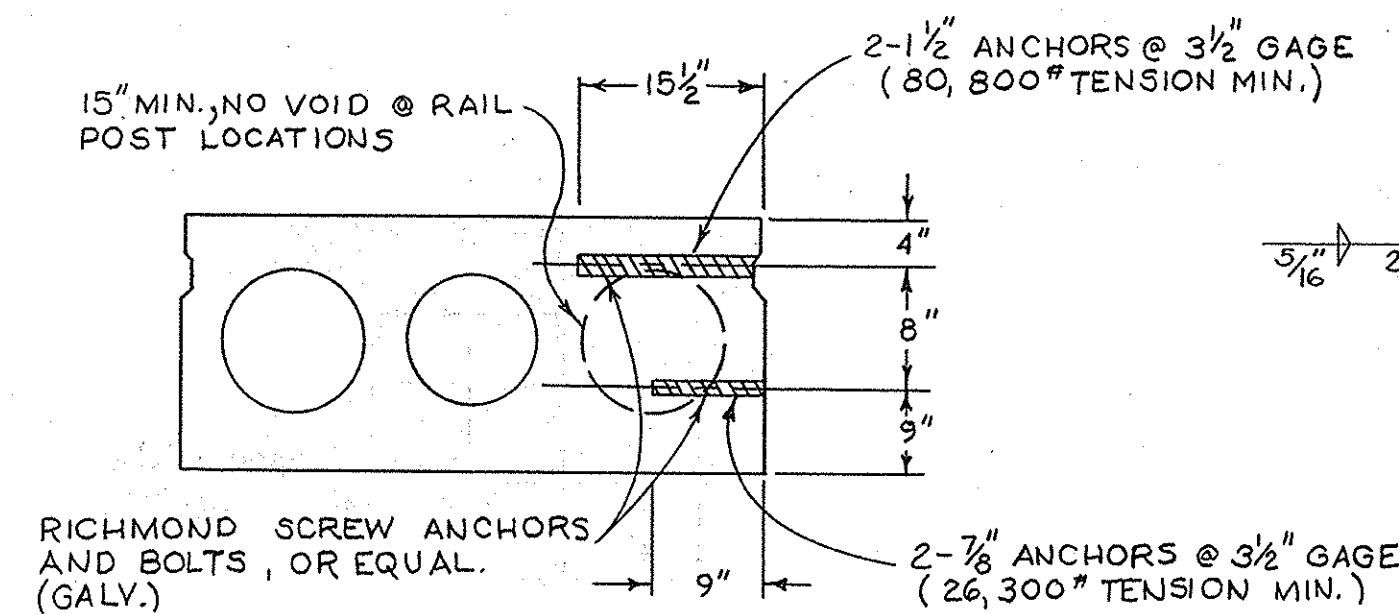
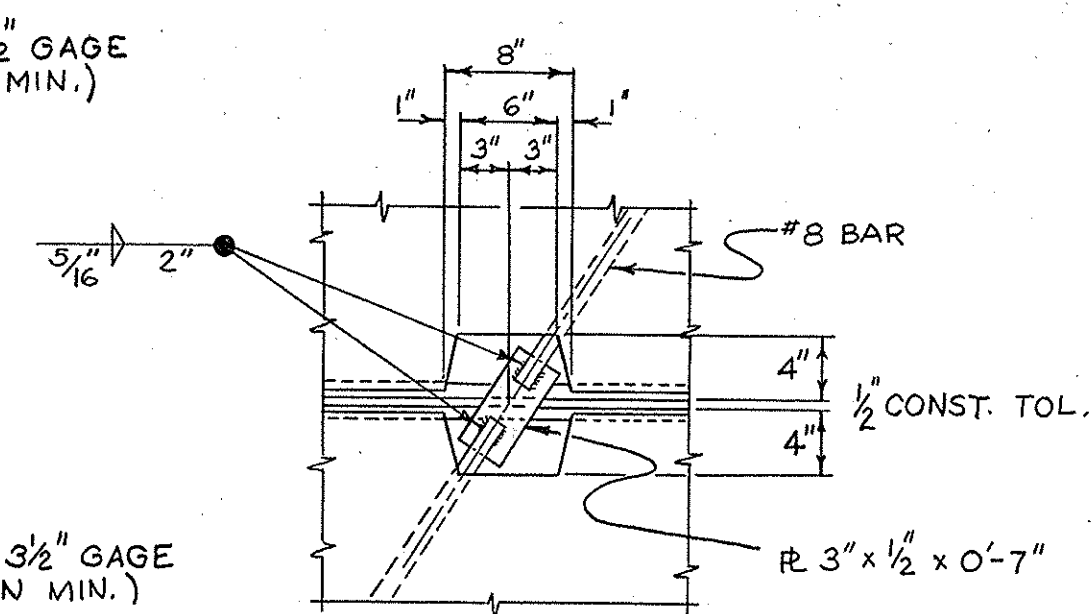
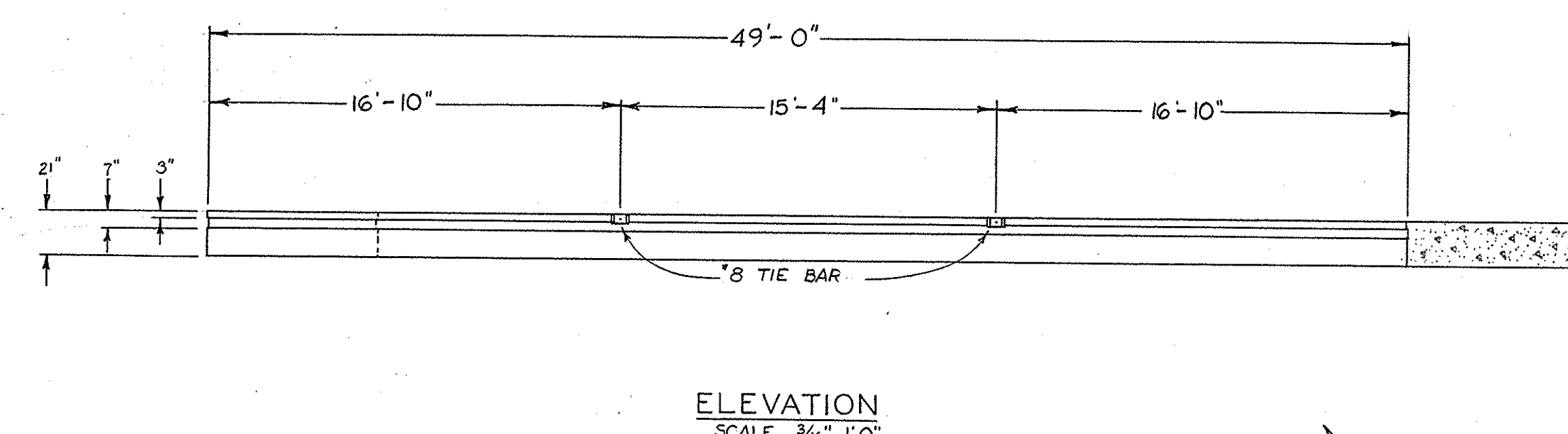
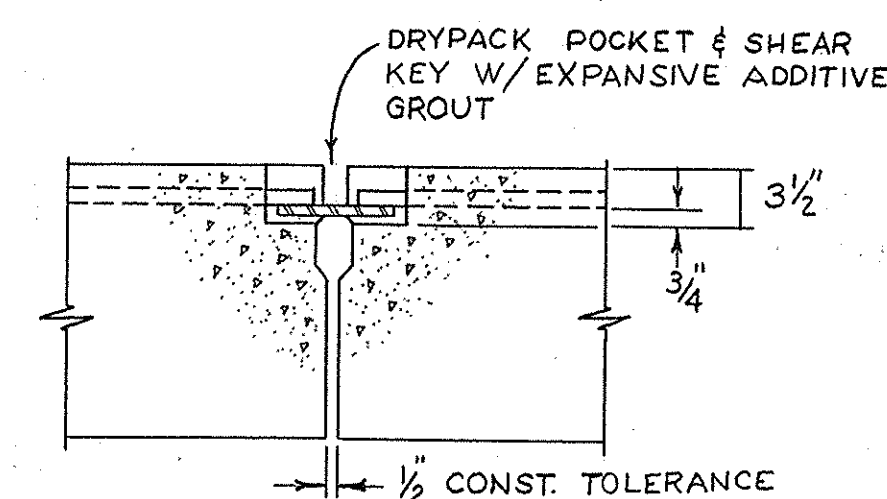




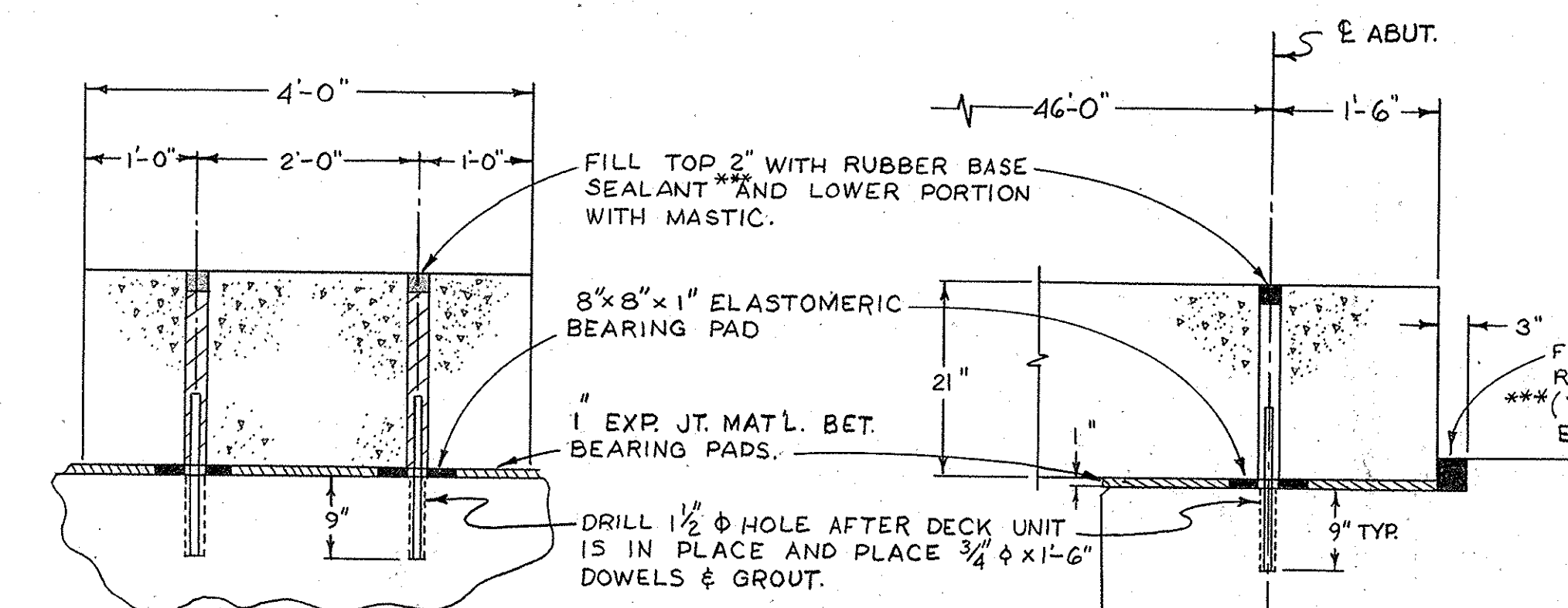
TYPICAL GUARD RAIL
BOLT INSERT DETAIL
NO SCALE



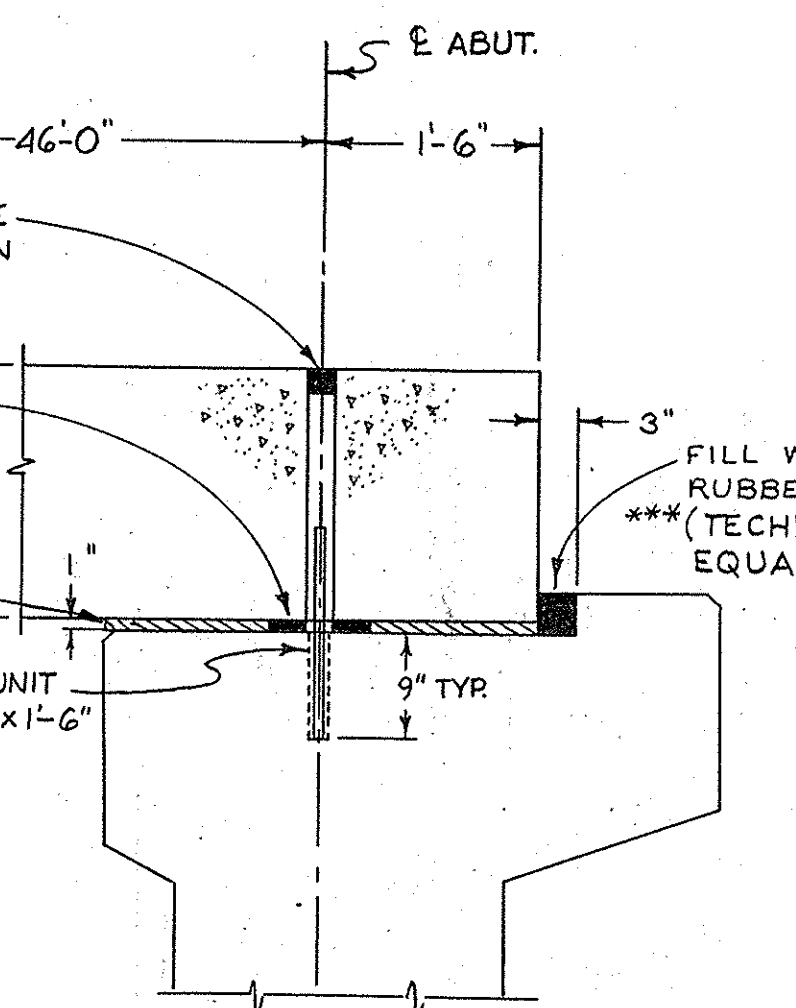
TYPICAL TRANSVERSE TIE BAR DETAILS
SCALE 1" = 1'-0"



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



TYPICAL DECK UNIT BEARING
SECTION
SCALE 3/4" = 1'-0"

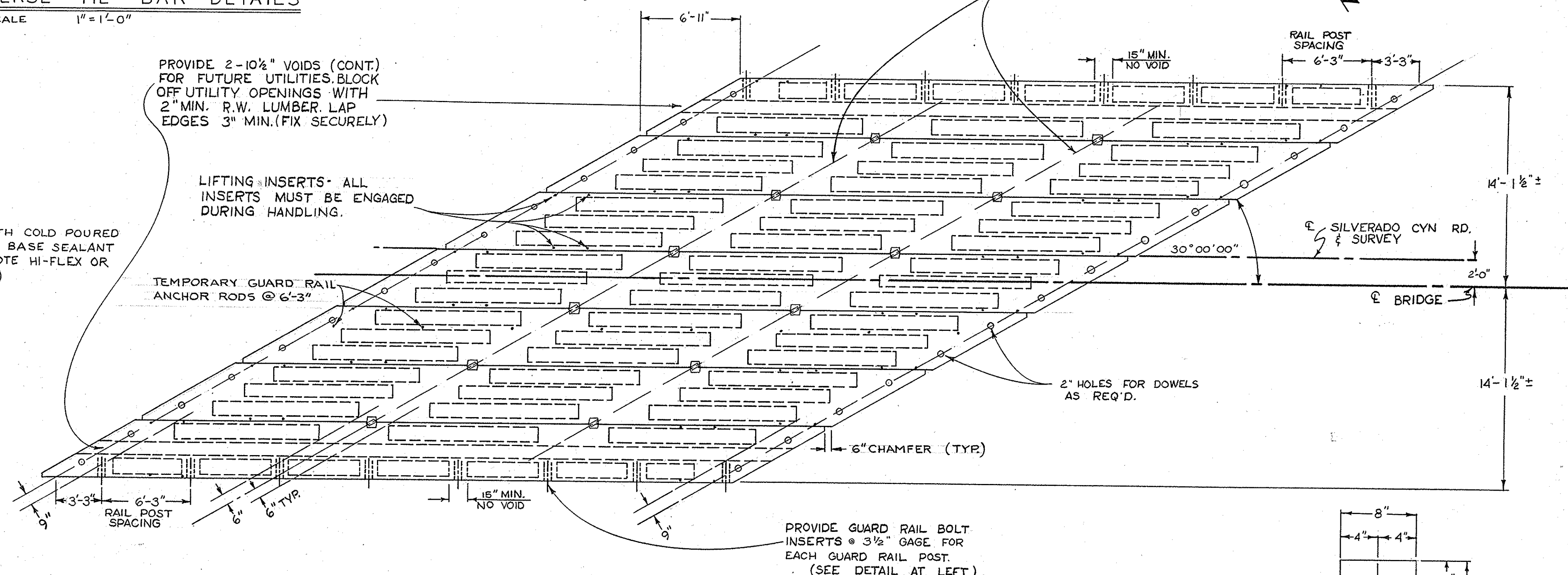


TYPICAL ABUTMENT SECTION
SCALE 3/4" = 1'-0"
SECTION PARALLEL TO GIRDER

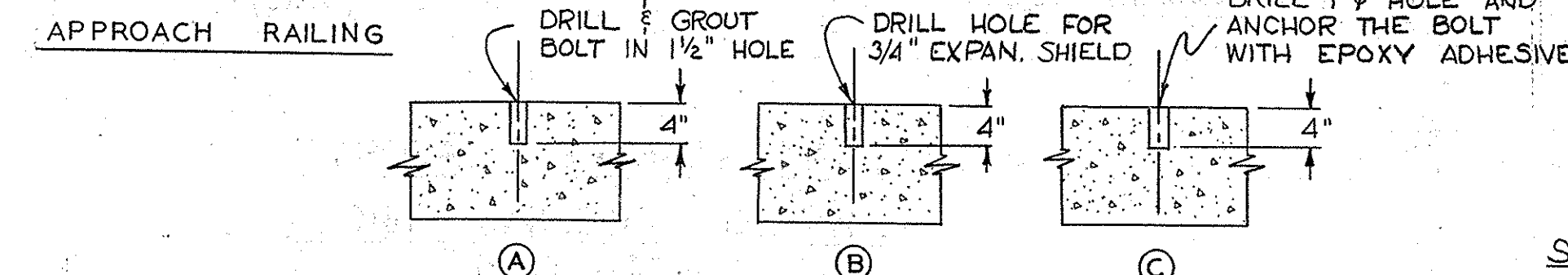
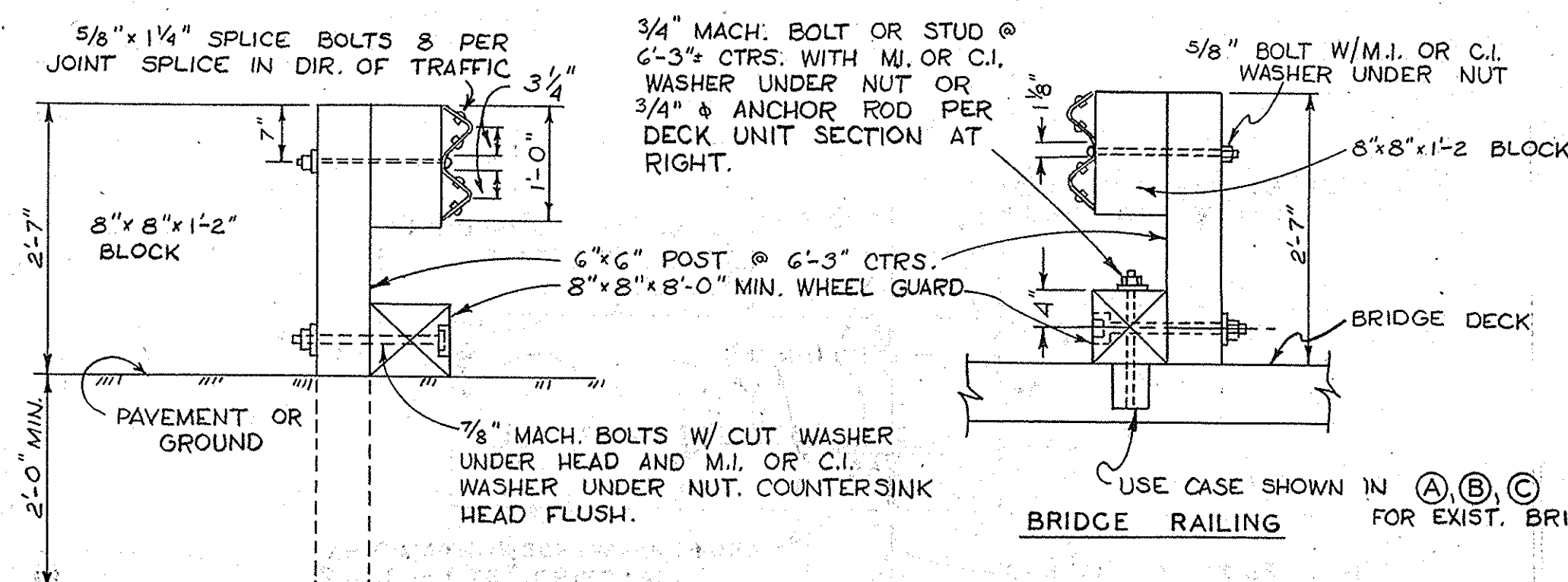
PROVIDE 2-10 1/2" VOIDS (CONT.)
FOR FUTURE UTILITIES. BLOCK
OFF UTILITY OPENINGS WITH
2" MIN. R.W. LUMBER LAP
EDGES 3" MIN. (FIX SECURELY)

LIFTING INSERTS - ALL
INSERTS MUST BE ENGAGED
DURING HANDLING.

TEMPORARY GUARD RAIL
ANCHOR RODS @ 6'-3"



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



- NOTE:
1. ALL BOLTS TO HAVE CUT WASHERS UNLESS OTHERWISE NOTED
 2. PAINT ENTIRE UNIT WHITE, EXCLUSIVE OF GALV. METAL RAILING
 3. ALL TIMBER TO BE S4S
 4. REMOVE BOLTS AND FILL HOLES WITH GROUT WHEN RAILING IS NO LONGER NEEDED.
 5. FOR RAIL ELEMENT SEE SPECIAL PROVISIONS.
 6. ANCHOR RODS TO BE USED IN STAGE ONE OR TWO CONST.

TEMPORARY RAILING DETAILS
SCALE 3/4" = 1'-0"

DECK UNIT DATA					
N ^o	1/2" STRANDS	*BASIC WEIGHT	*DESIGN MOMENT	DESIGN PRESTRESS FORCE IN KIPS	BOND BREAKERS @ ENDS
19		39,400	5652	447.5 KIPS	9 EA. 6'-6"

*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.

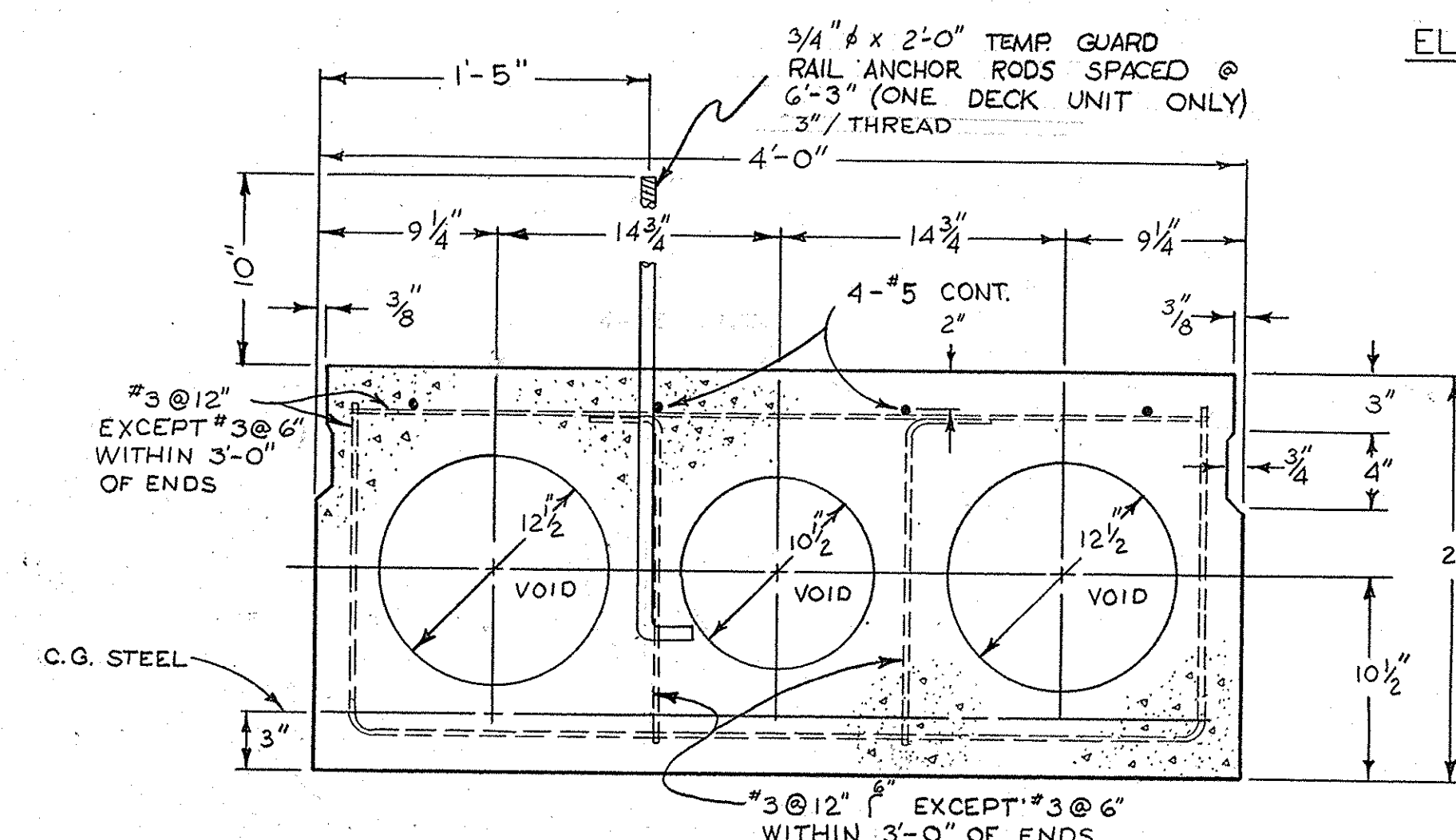
LIVE LOADING: H20-S16-44 & ALTERNATE

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. (COMPR)



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

ELASTOMERIC BEARING
PAD DETAIL
28 REQ'D.

CONSTRUCTION PLANS - BRIDGES
Silverado Canyon Road
Sheet 11 of 12
Red. 22.5:1 Scale: as shown
Vellum

ORANGE COUNTY ROAD DEPARTMENT	
SILVERADO CYN RD BRIDGE SV-14 ACROSS SILVERADO CREEK	
DECK UNIT & MISC. DETAILS	
NOTED	SHEET 11 OF 12