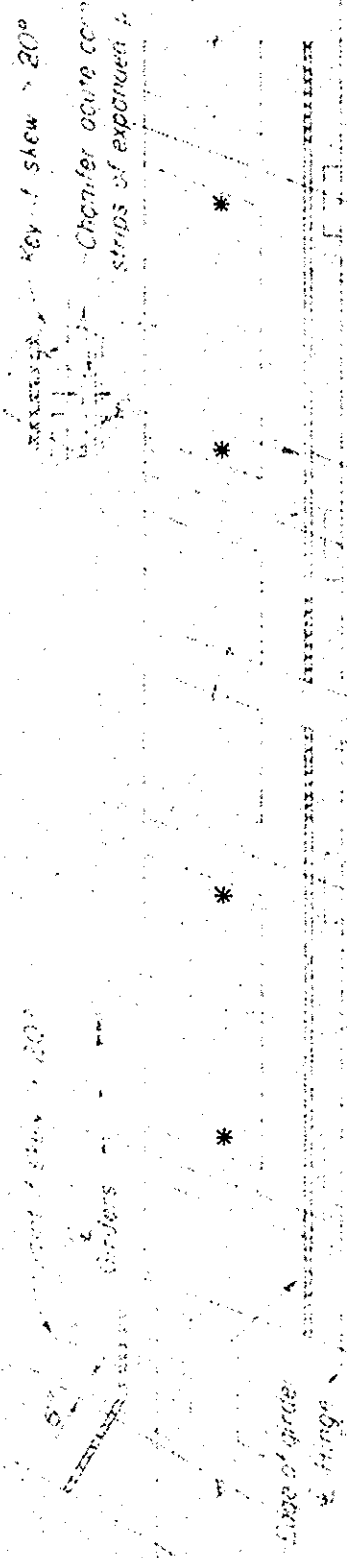
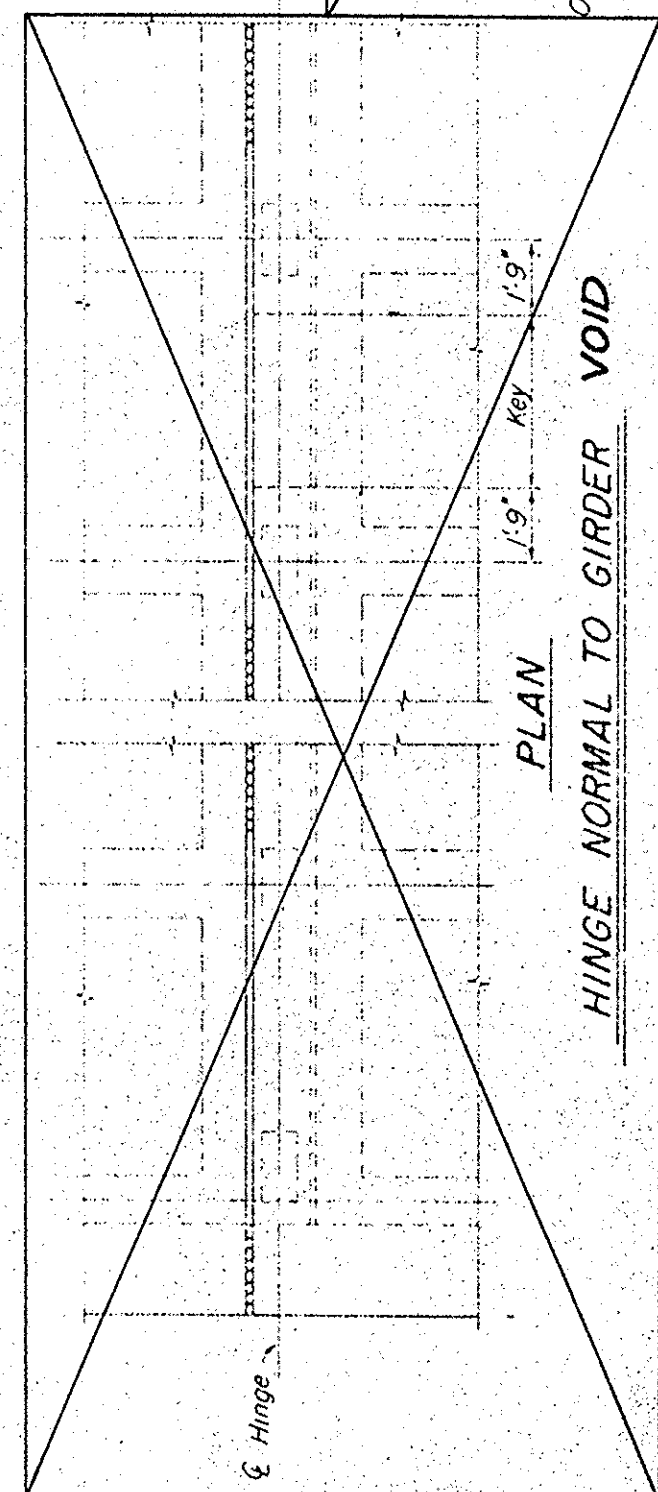




* NOTE: See sheet no. 3 for hinge restrainer details

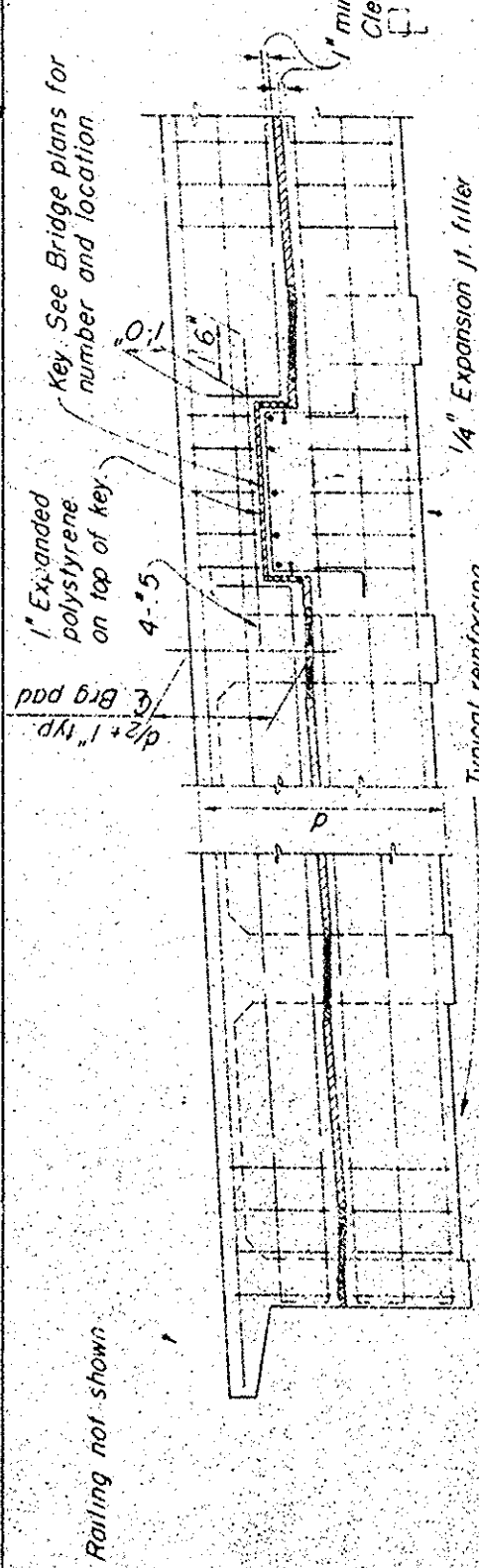
PLAN

HINGE SKEWED TO GIRDER

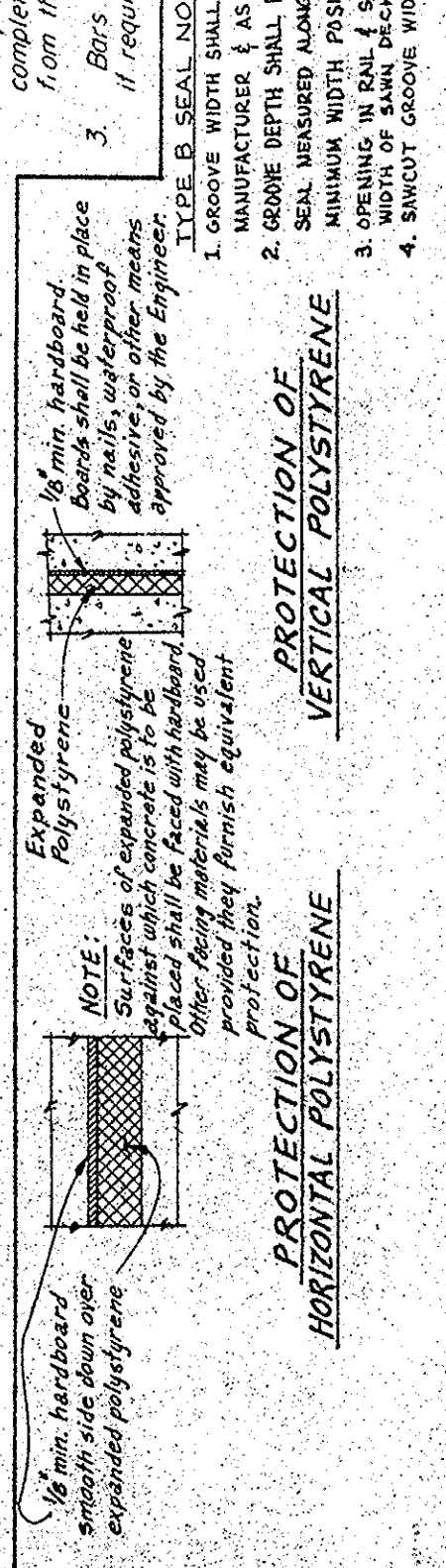


PLAN

HINGE NORMAL TO GIRDER VOID



SECTION AT & HINGE



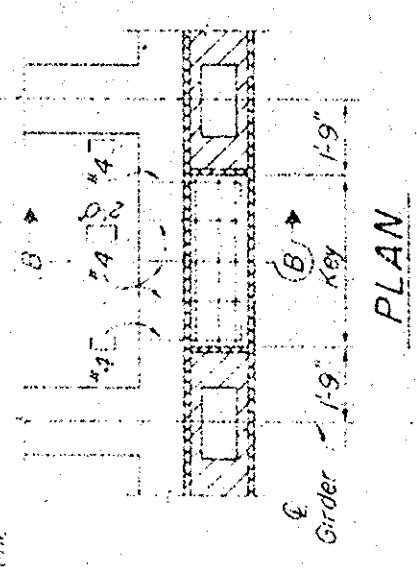
PROTECTION OF HORIZONTAL POLYSTYRENE

PROTECTION OF VERTICAL POLYSTYRENE

NOTES

1. See Polystyrene Protection Details.
2. To provide for free movement of the completed hinge, concrete is to be excluded from the joint by sealing all openings.
3. Bars may be placed with hooks horizontal if required for clearance.

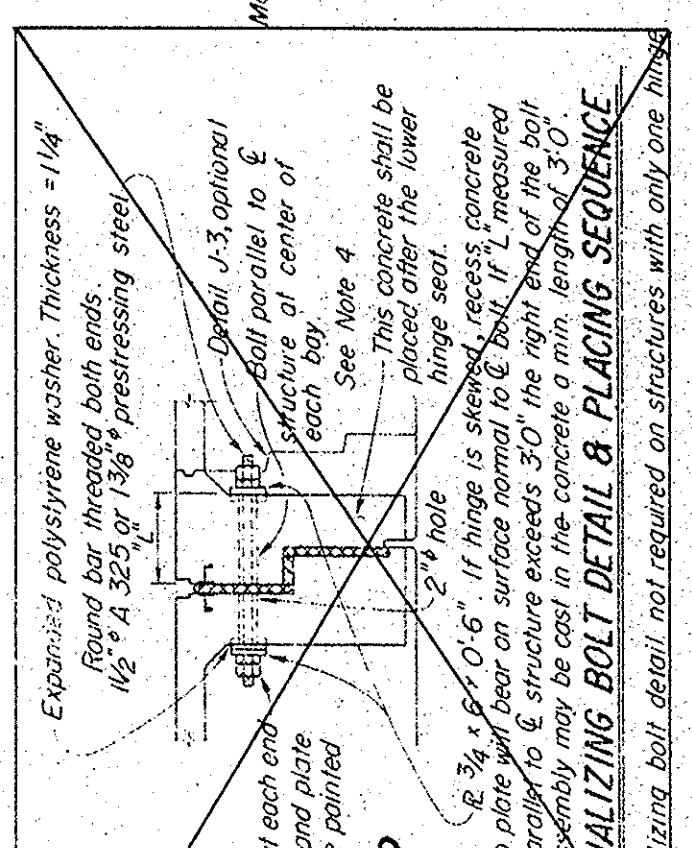
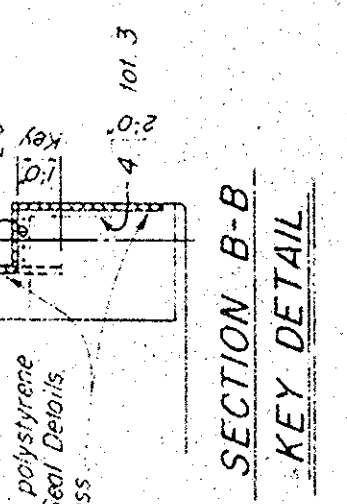
TYPE B SEAL NOTES:
1. GROOVE WIDTH SHALL BE AS RECOMMENDED BY THE MANUFACTURER & AS SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. GROOVE DEPTH SHALL BE EQUAL TO OR GREATER THAN THE DEPTH OF SEAL MEASURED ALONG CONTACT SURFACE WHEN COMPRESSED TO MINIMUM WIDTH POSITION, PLUS 3/4".
3. OPENING IN RAIL & SIDEWALK TO BE CONSTRUCTED TO THE EXISTING WIDTH OF SAME DECK JOINT.
4. SAWCUT GROOVE WIDTH SHALL BE AS DIRECTED BY ENGINEER.



PLAN

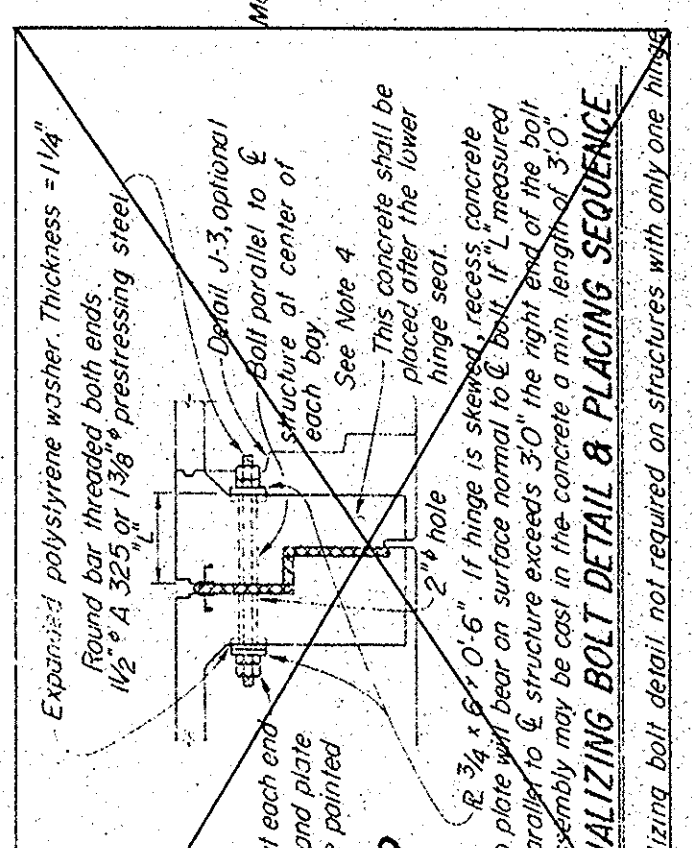
SECTION B-B

KEY DETAIL



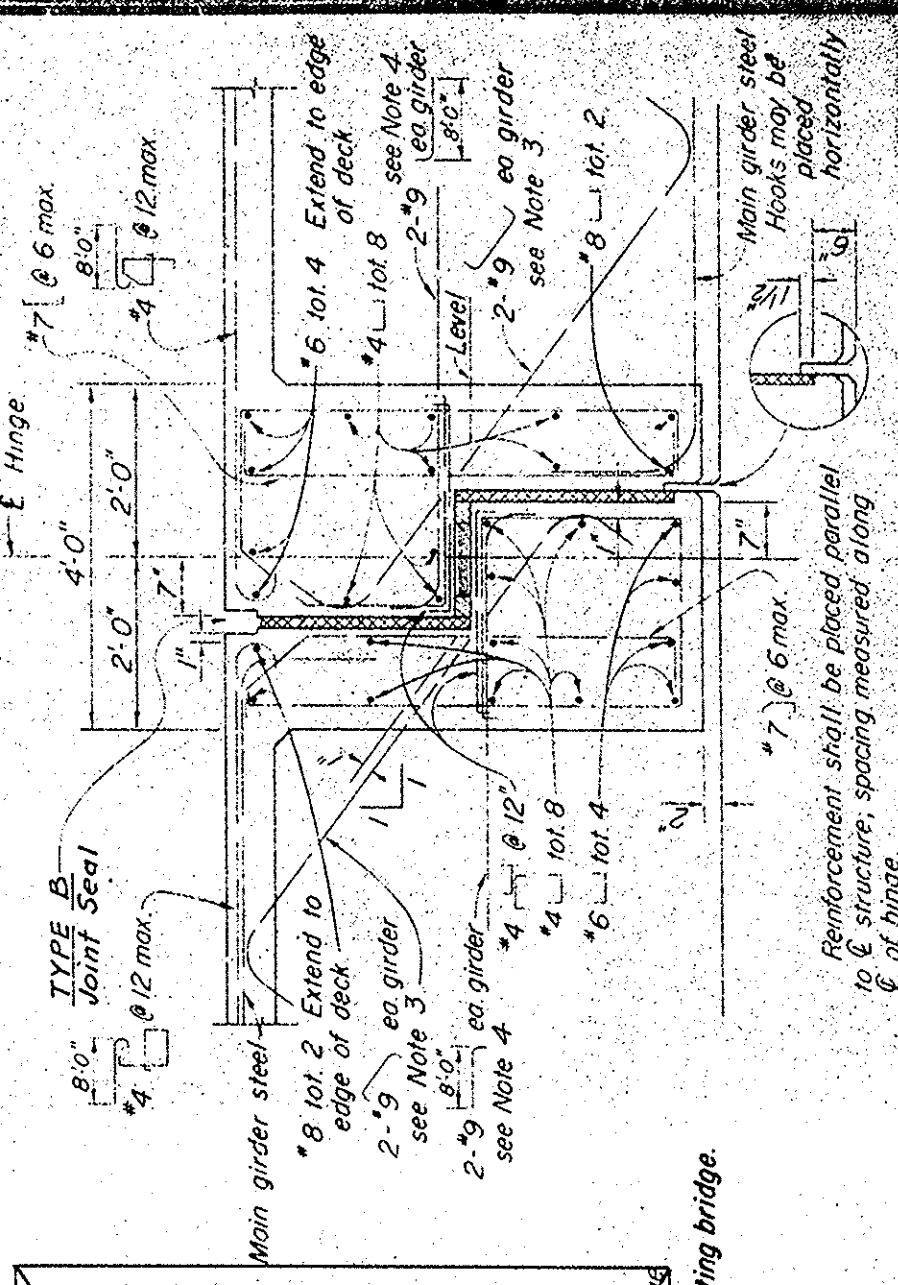
VOID

One nut and one jam nut each end.
Note: Nuts, bolts and plate washers shall be painted.
Detail J-3, optional
Bolt parallel to & structure at center of each bay.
See Note 4
This concrete shall be placed after the lower hinge seat.
2" hole
3/4" x 8" x 0.5" If hinge is skewed, recess concrete so plate will bear on surface normal to & bolt. If L measured parallel to & structure exceeds 30", the right end of the bolt assembly may be cast in the concrete a min. length of 3'-0".
EQUALIZING BOLT DETAIL & PLACING SEQUENCE
Equalizing bolt detail not required on structures with only one hinge.
Note: New joint seal added to existing bridge.
See Change order #1.

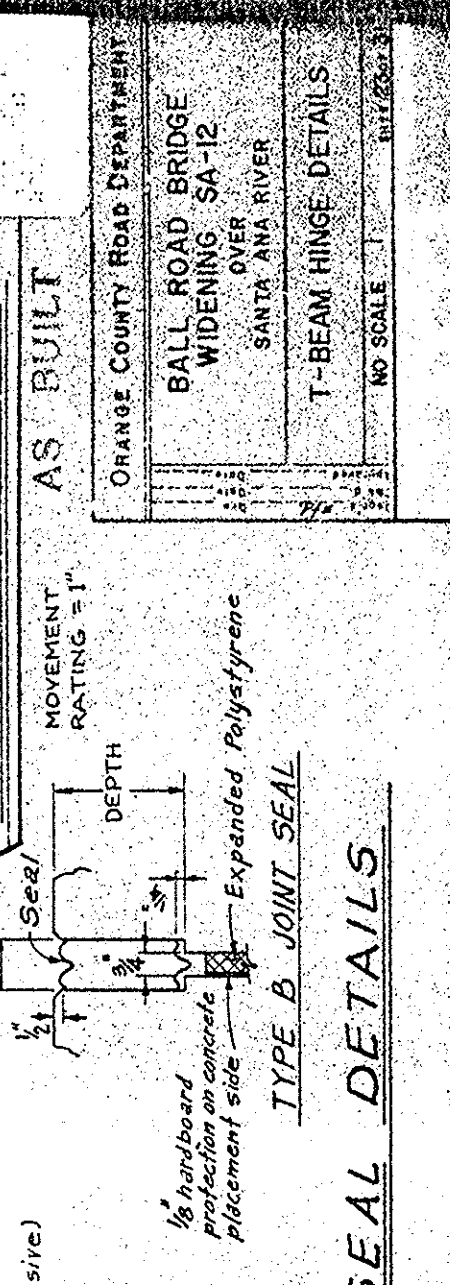


SECTION A-A

TYPICAL BEARING DETAIL



SECTION THRU HINGE



JOINT SEAL DETAILS

TYPE B SEAL

TYPE B JOINT SEAL

