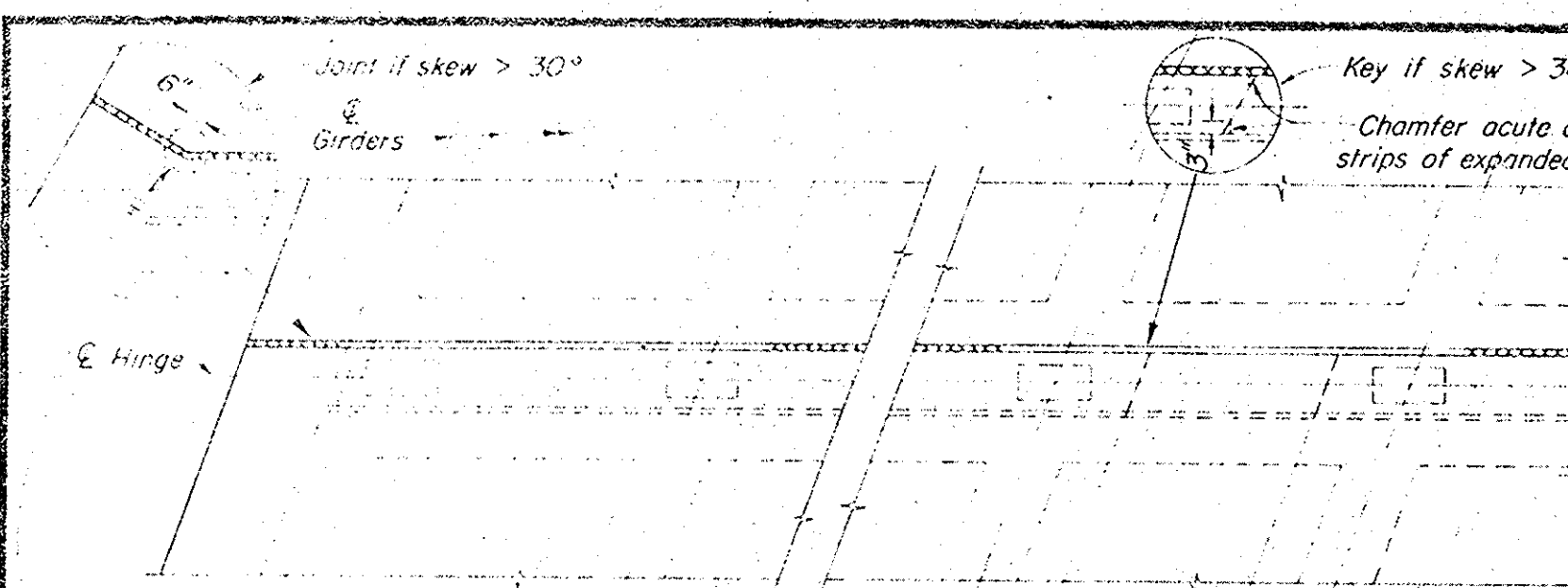


EXACT®

EXACT LEVEL & TOOL MFG. CO., INC.

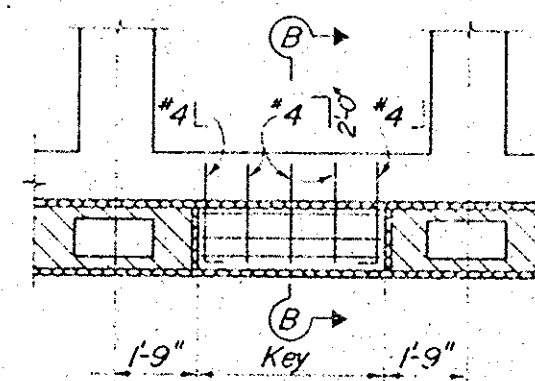
HIGH BRIDGE, N. J., U. S. A.

STRAIGHT EDGE RULE SE-48

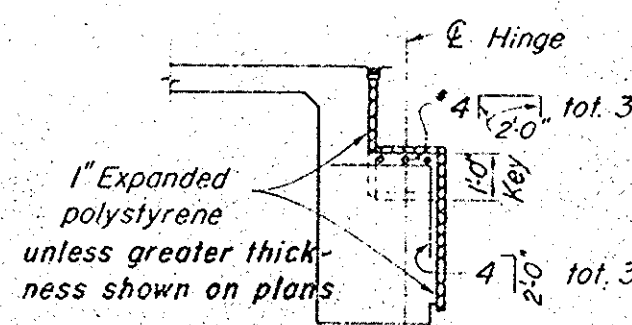


In lieu of sawcutting, this area may be blocked out & epoxied in to match sawcutting on both sides.

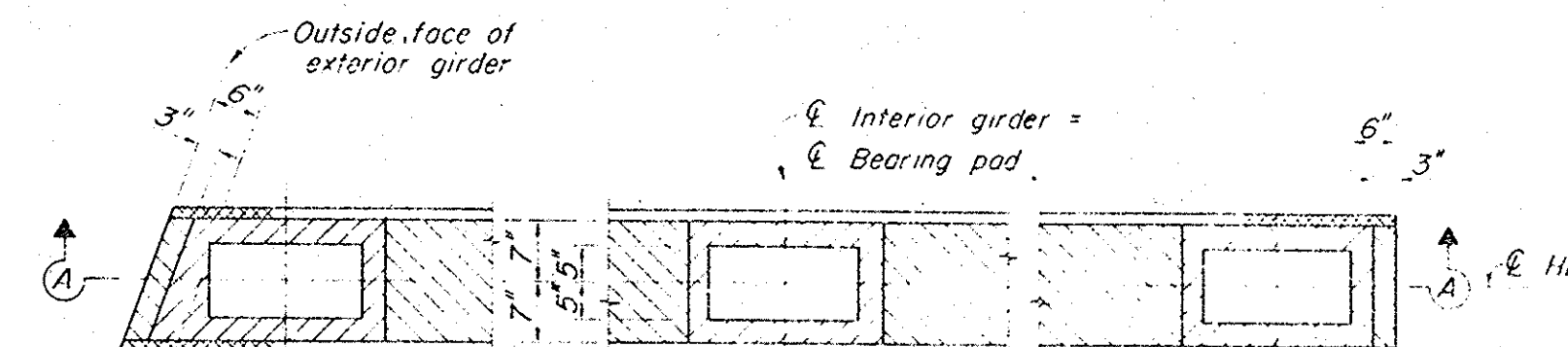
PLAN
HINGE SKEWED TO GIRDER



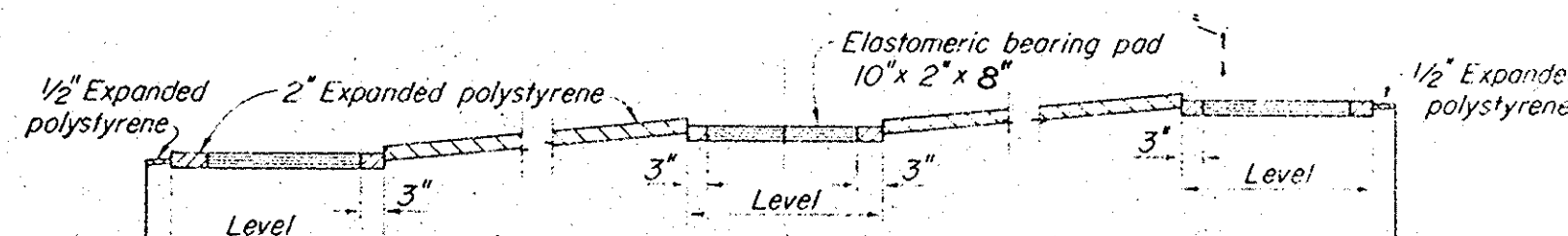
PLAN



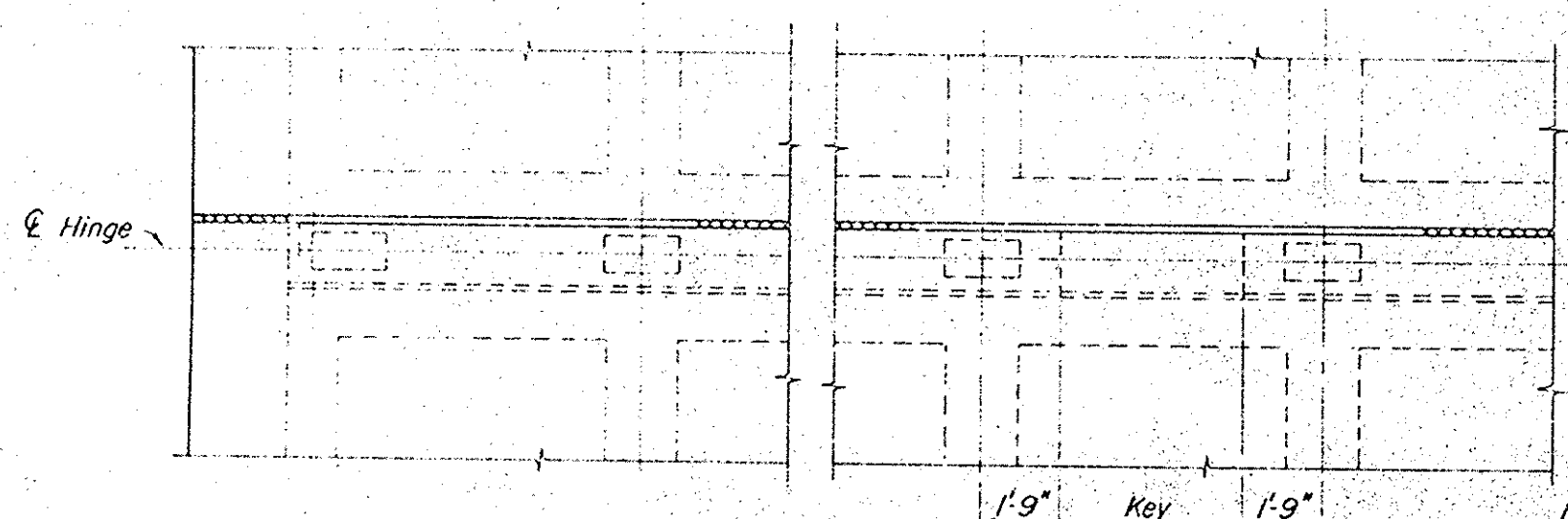
SECTION B-B
KEY DETAIL



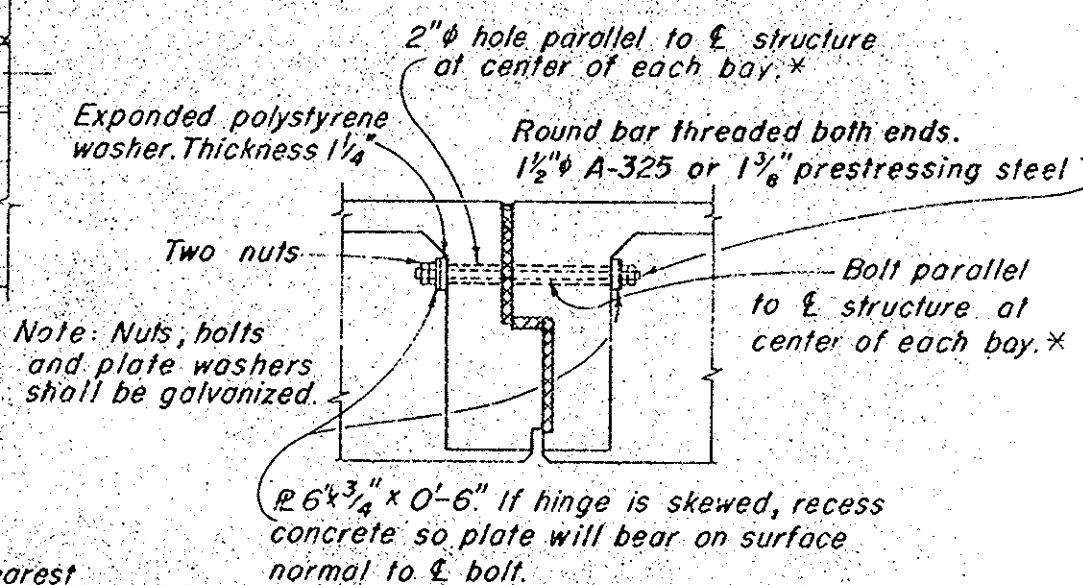
PLAN



SECTION A-A
TYPICAL BEARING DETAIL

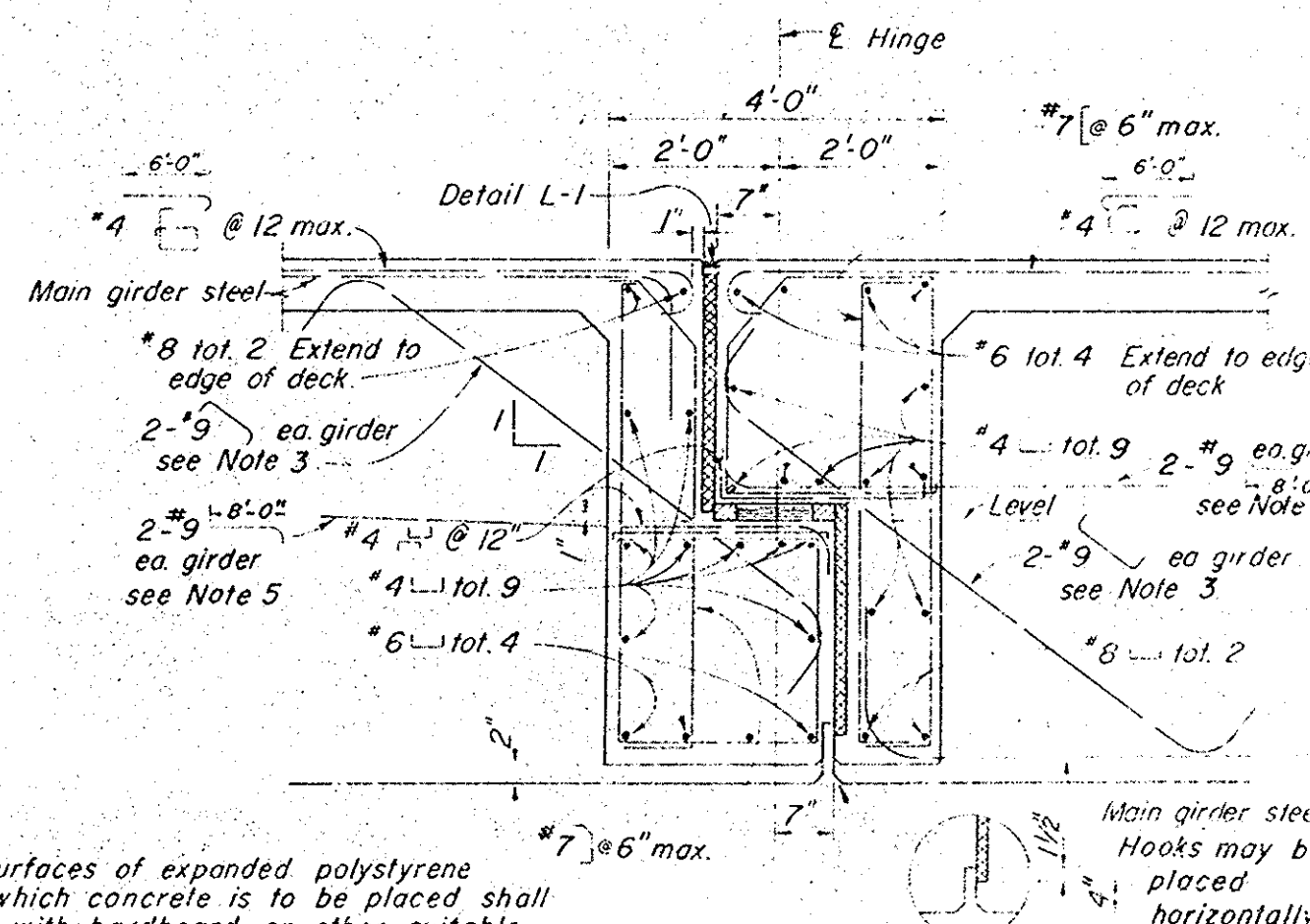


PLAN
HINGE NORMAL TO GIRDER



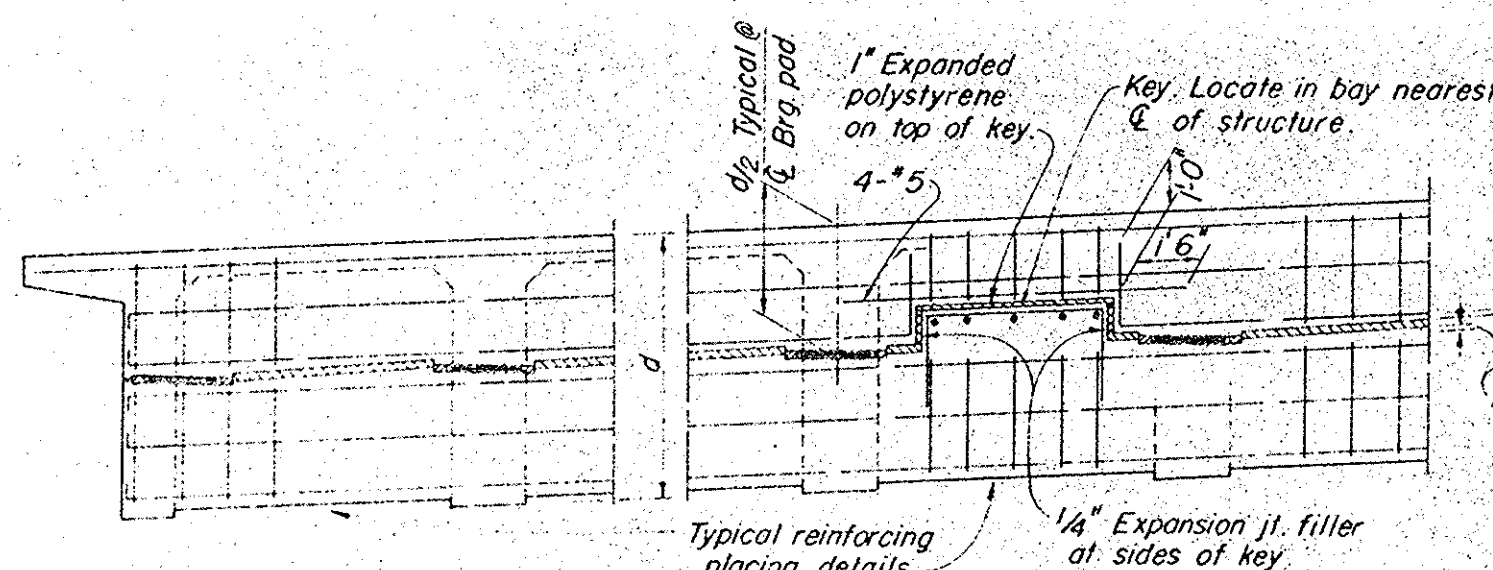
EQUALIZING BOLT DETAIL

This detail not required on structures with only one hinge.
* Except 1'-3" clear of utility c. ening

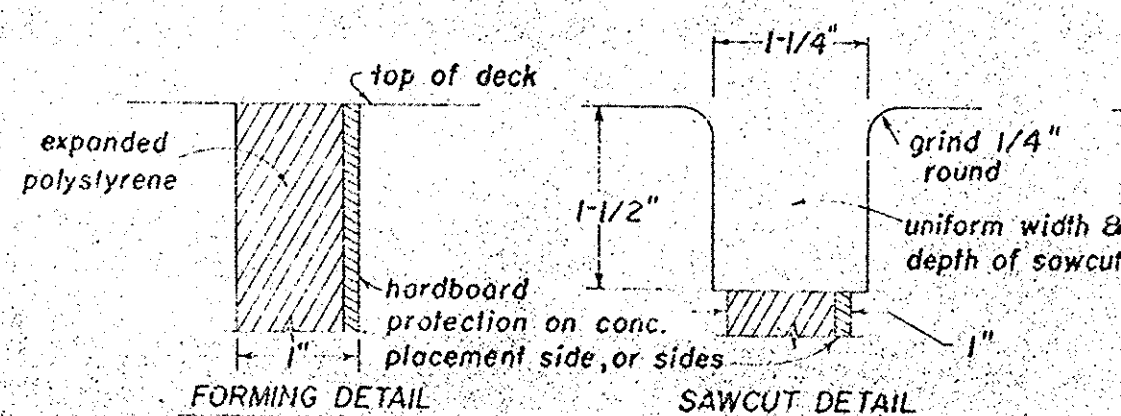


SECTION THRU HINGE

AS BUILT



SECTION AT HINGE

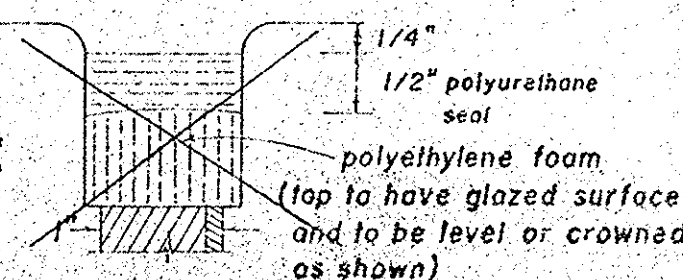


FORMING DETAIL

SAWCUT DETAIL

DETAIL L-1

TYPE B SEAL USED



TYPE A SEAL

NOTES:

- Vertical surfaces of expanded polystyrene against which concrete is to be placed shall be faced with hardboard or other suitable material which is approved by the engineer.
- To provide for free movement of the completed hinge, concrete is to be excluded from the joint by sealing all openings.
- Bars may be bundled vertically with hooks horizontal if required for clearance.
- When the key interferes with the placement of the equalizing bolt, place two bolts at 3-foot centers in either adjacent cell.
- Bars may be bent in the horizontal plane to clear inclined #9 bars.
- Use 6" deep key when girder depth is less than 4'-0".

ORANGE COUNTY ROAD DEPARTMENT

GLASSSELL ST.
BRIDGE SA-8A

ACROSS
SANTA ANA RIVER

HINGE DETAILS

SCALE AS SHOWN

SHEET 13 OF 14