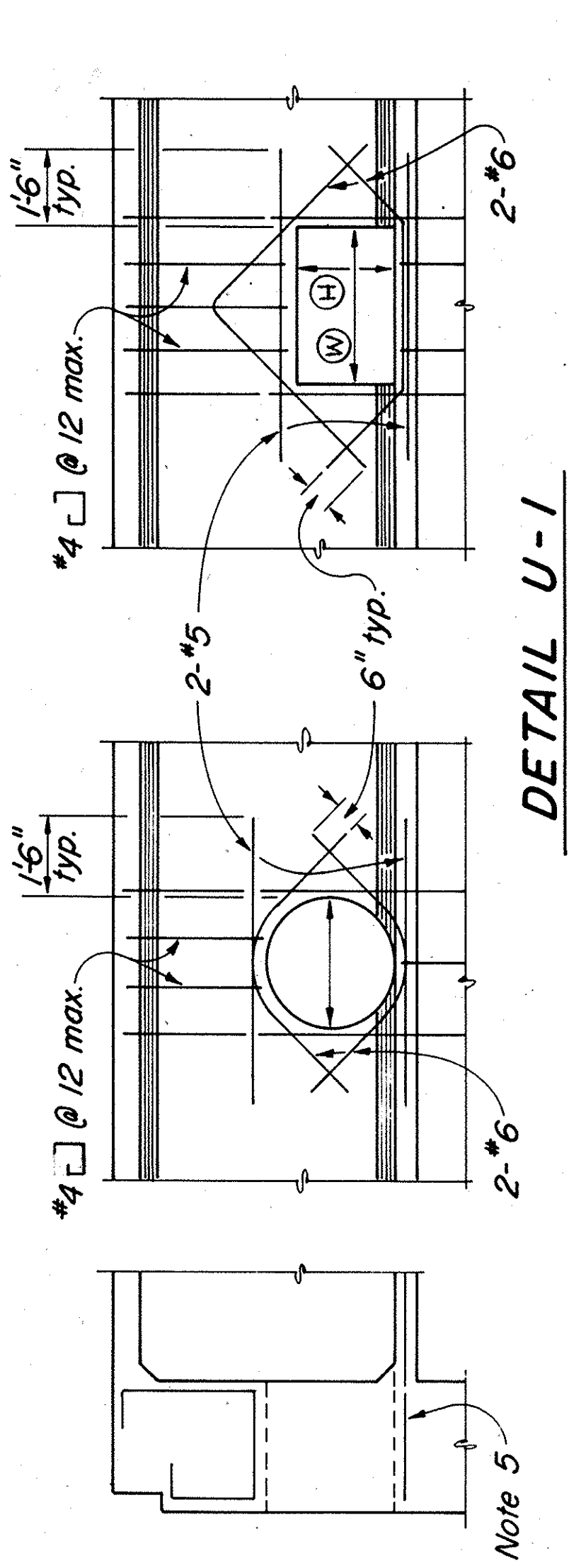
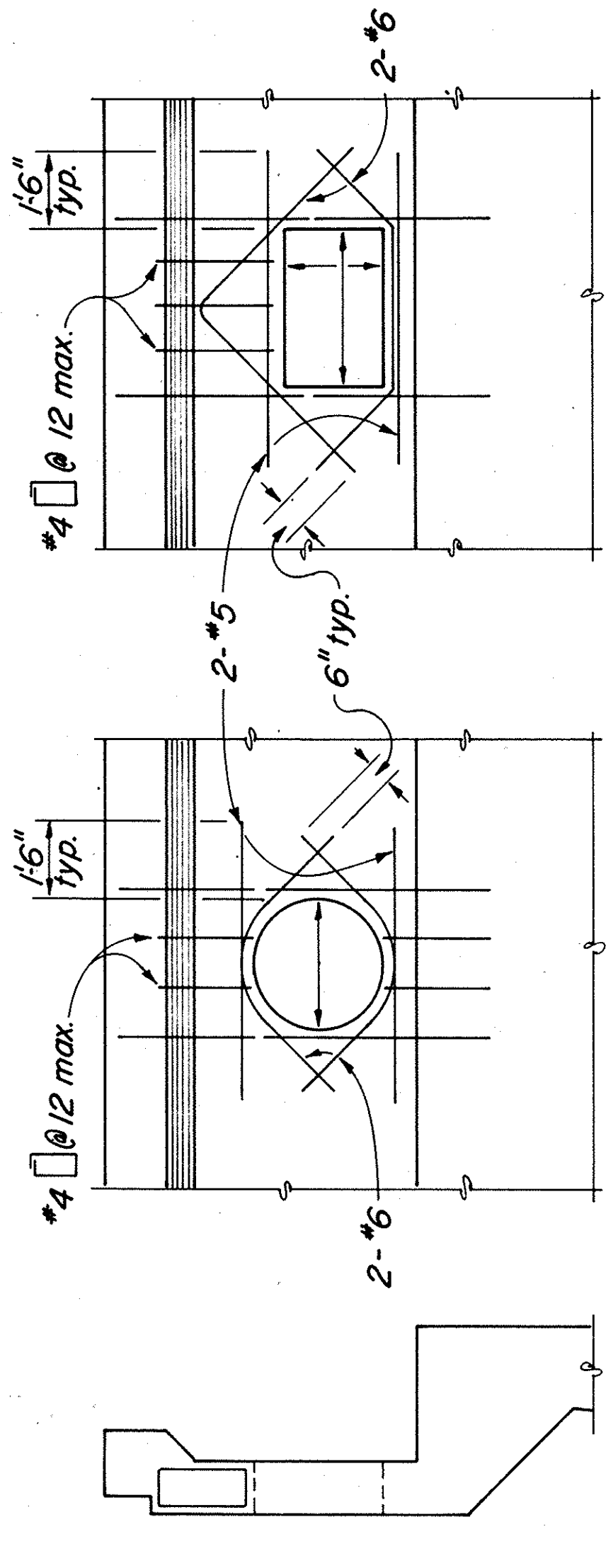


ABUTMENT DIAPHRAGMS

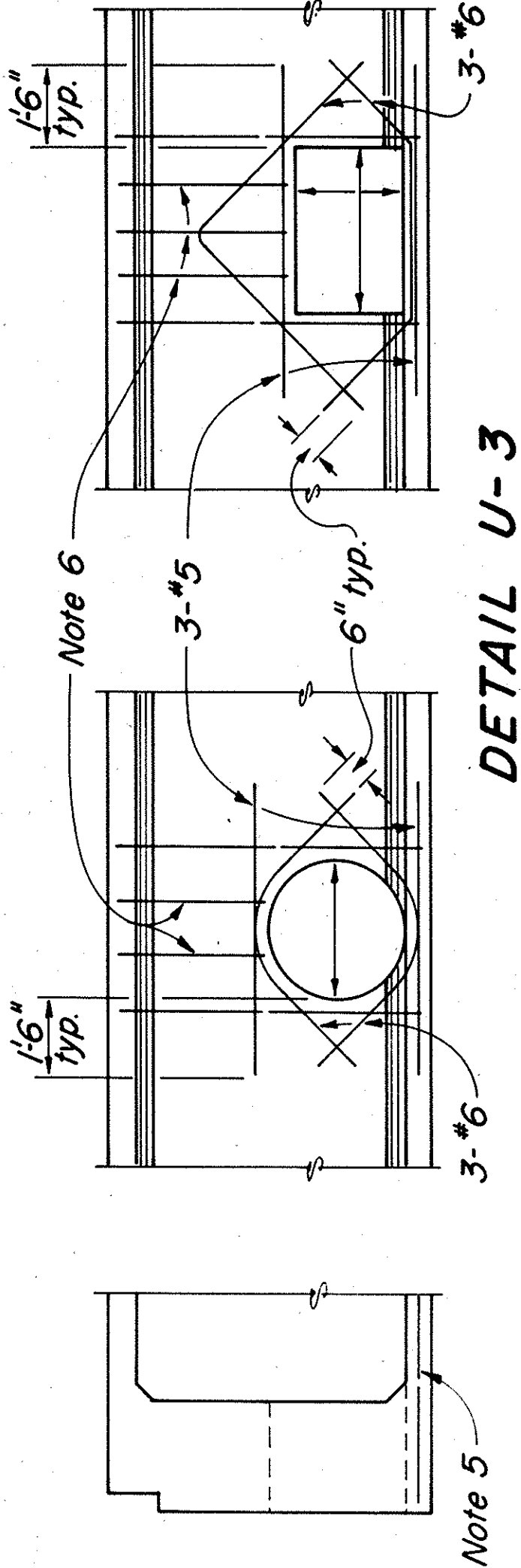
INTERMEDIATE DIAPHRAGMS AND HINGES



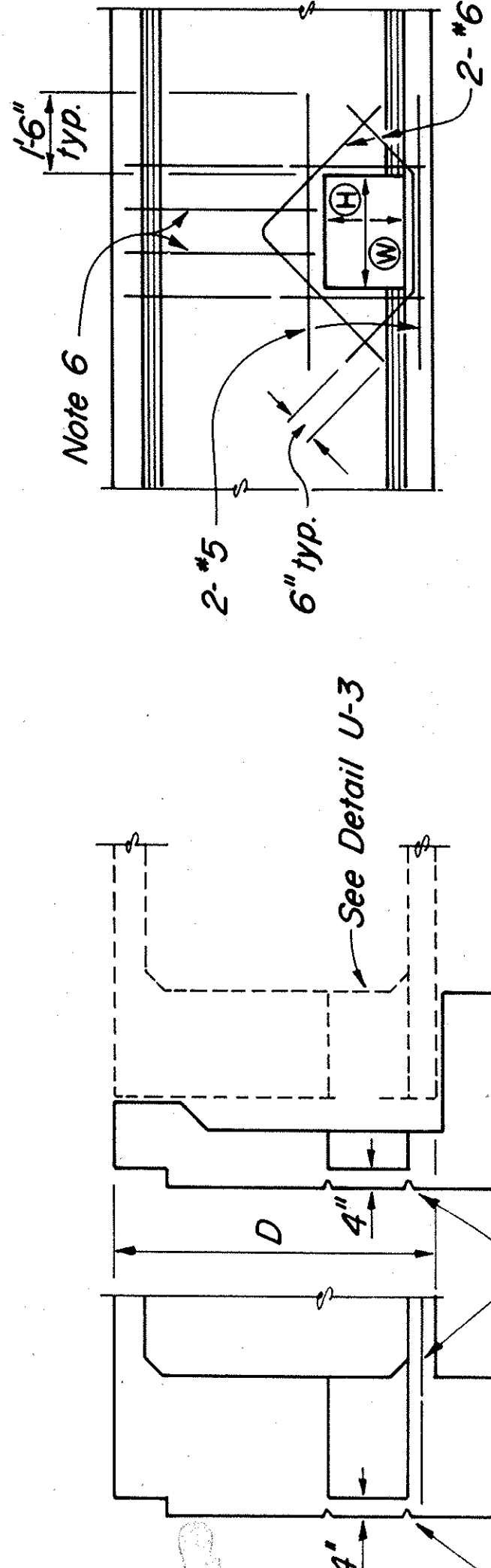
DETAIL U-1



DETAIL U-2



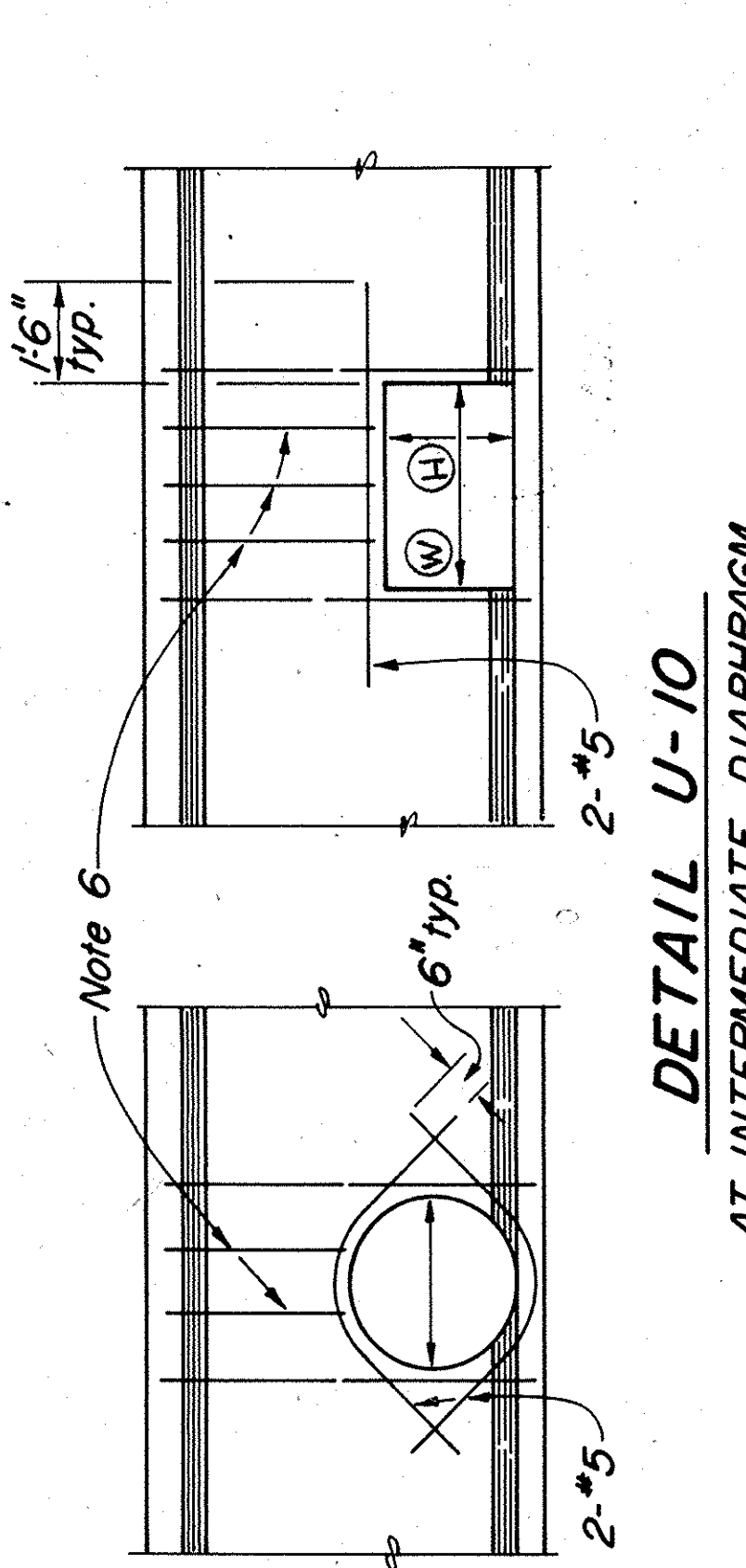
DETAIL U-3



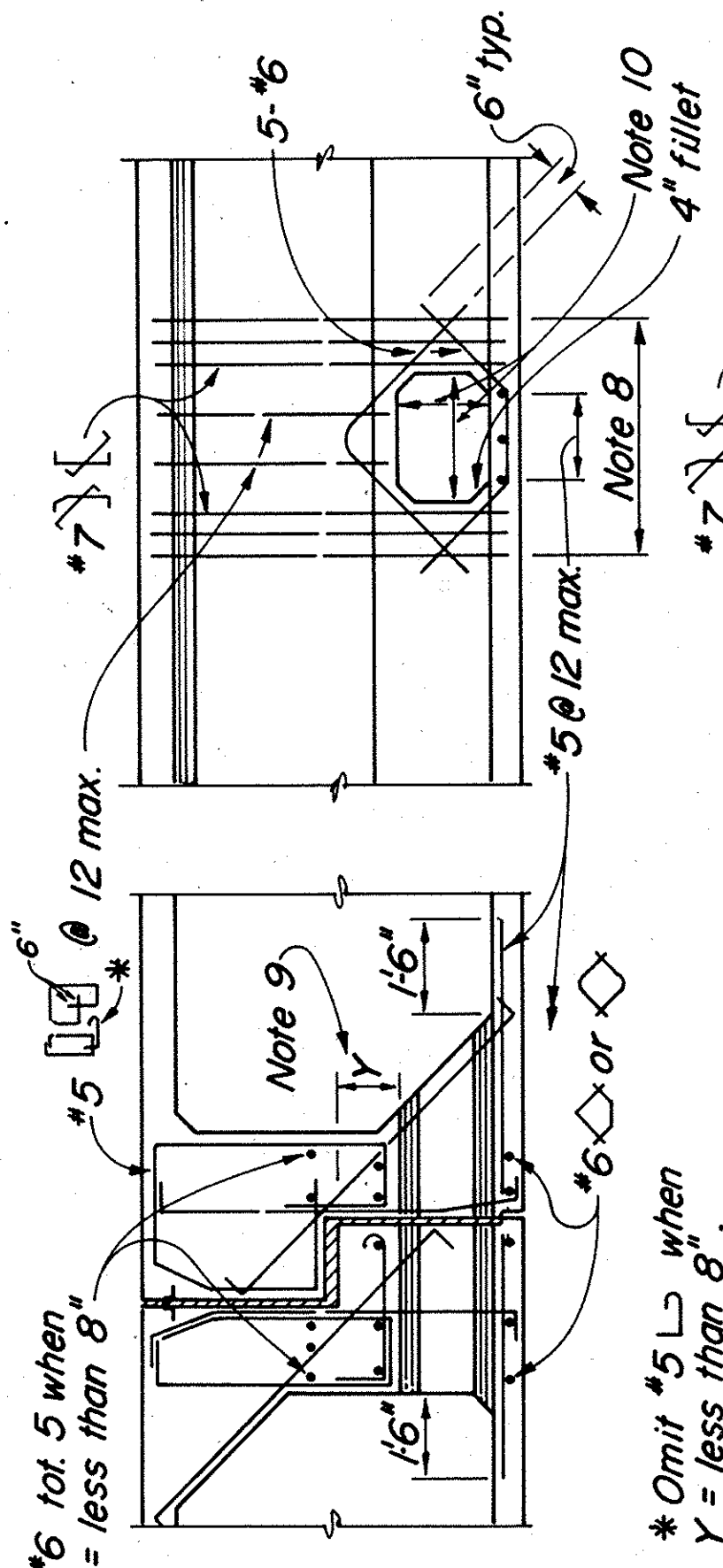
DETAIL U-4

FUTURE UTILITY OPENING

MICROFILMED
JUL 22 1976



DETAIL U-10
AT INTERMEDIATE DIAPHRAGM

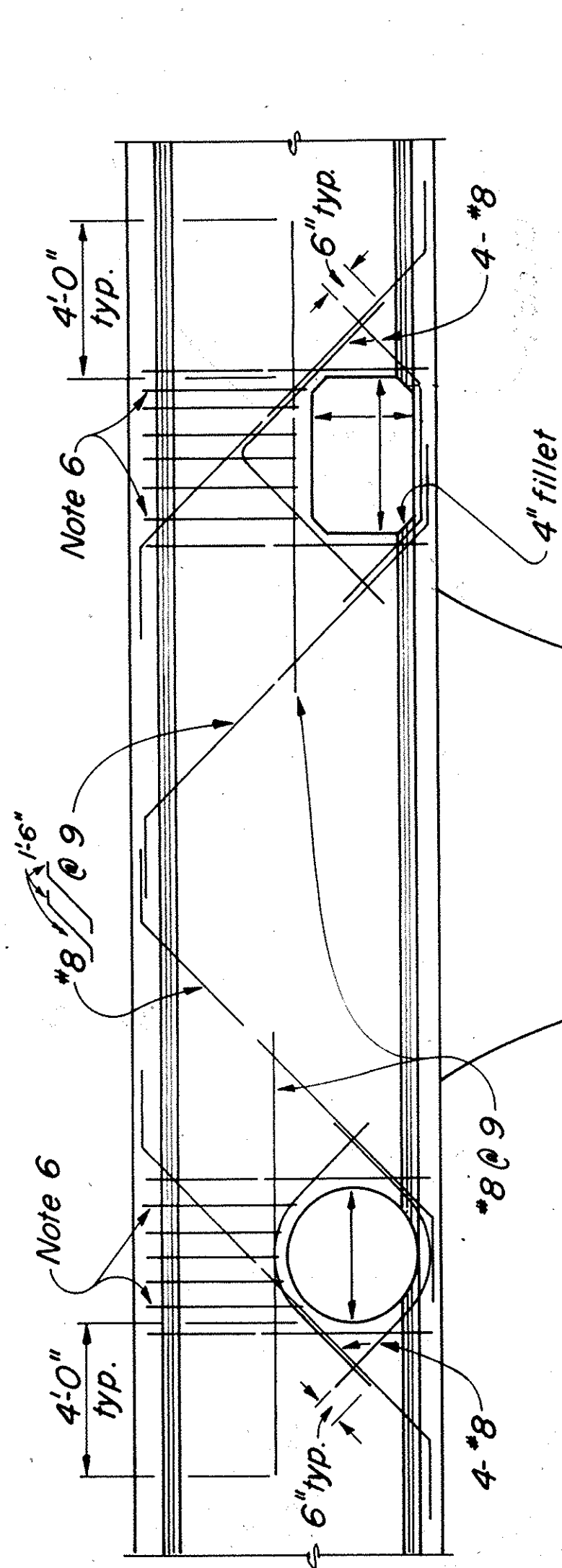


DETAIL U-11
AT HINGE

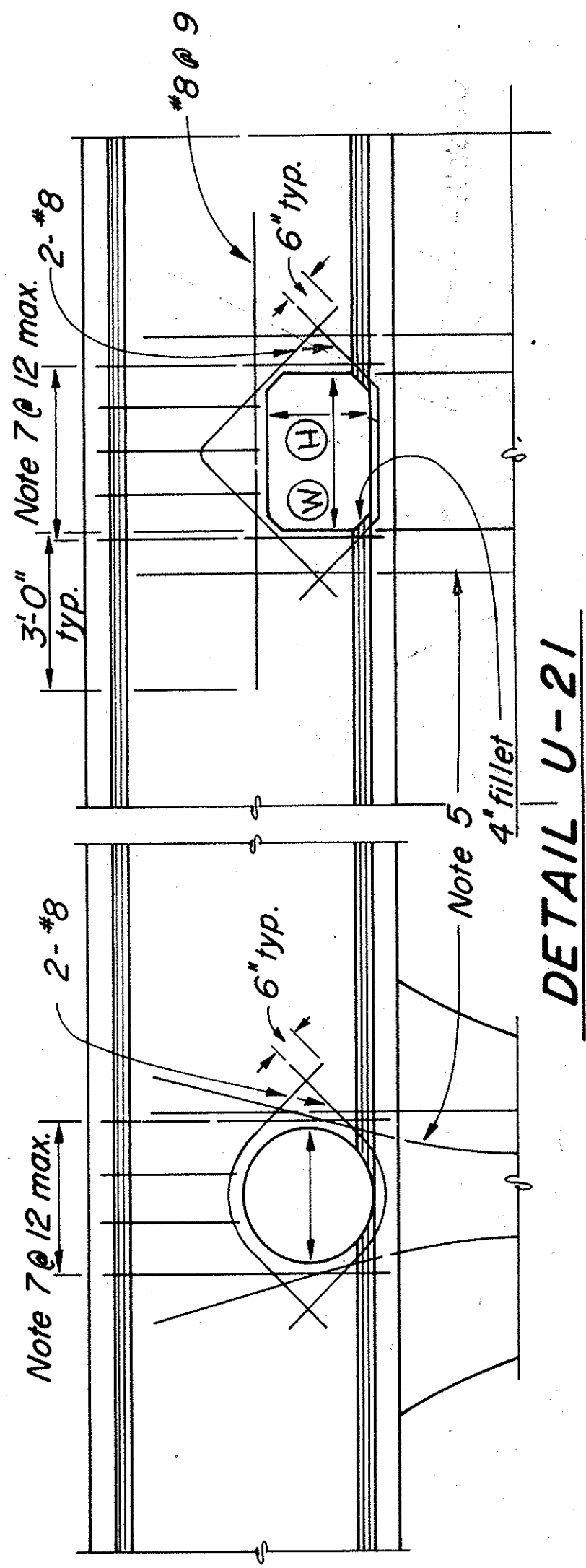
OPENINGS	(W)	(H)
Future Utility	2'-0"	2'-0"
P.T. & T. Co.	3'-0"	3'-0"
City of Orange, Waterline	3'-0"	2'-2"
So. Calif. Edison Co.	2'-0"	2'-0"
So. Calif. Gas Co.	2'-0"	2'-0"

(H) = $\frac{1}{3}$ D or 1'-6" min., whichever is greater.
(W) = $\frac{1}{3}$ D or 2'-0" min., whichever is greater.

PIER CAPS



DETAIL U-20



DETAIL U-21

NOTES :

- For exact location, elevation, size and direction of openings see other sheets.
- Girders not shown. See other sheets.
- All reinf. detailed to be placed in addition to reinf. shown on other sheets.
- Watertight seal around utilities at abutments to be of sufficient strength to withstand earth pressure. If structure is prestressed, seal to be placed after stressing is completed.
- Main reinf. to clear opening.
- Stirrups to be same bar size, shape and $\frac{2}{3}$ the spacing of adjacent stirrups shown on other sheets.
- Stirrups to be same bar size and shape as adjacent stirrups shown on other sheets.
- Replace each set of 4-#7 bars cut off by opening. Place $\frac{1}{2}$ on each side of opening.
- When "Y" is less than 8", extend top of opening to bottom of bearing seat elevation.
- For future utility opening dimensions, see Detail U-4.

AS BUILT

NO CORRECTIONS BY W. HANSEN
CONTRACT NO. 07-032014
DATE 4-13-76

7/71 DEPARTMENT OF TRANSPORTATION

SANTA ANA RIVER BRIDGE

REMOVE & REPLACE

UTILITY OPENING - BOX GIRDER

BRIDGE NO. 55C-54 POST MILE 11.1 DRAWING NO. 9 OF 12

REVISION DATES

WO CU