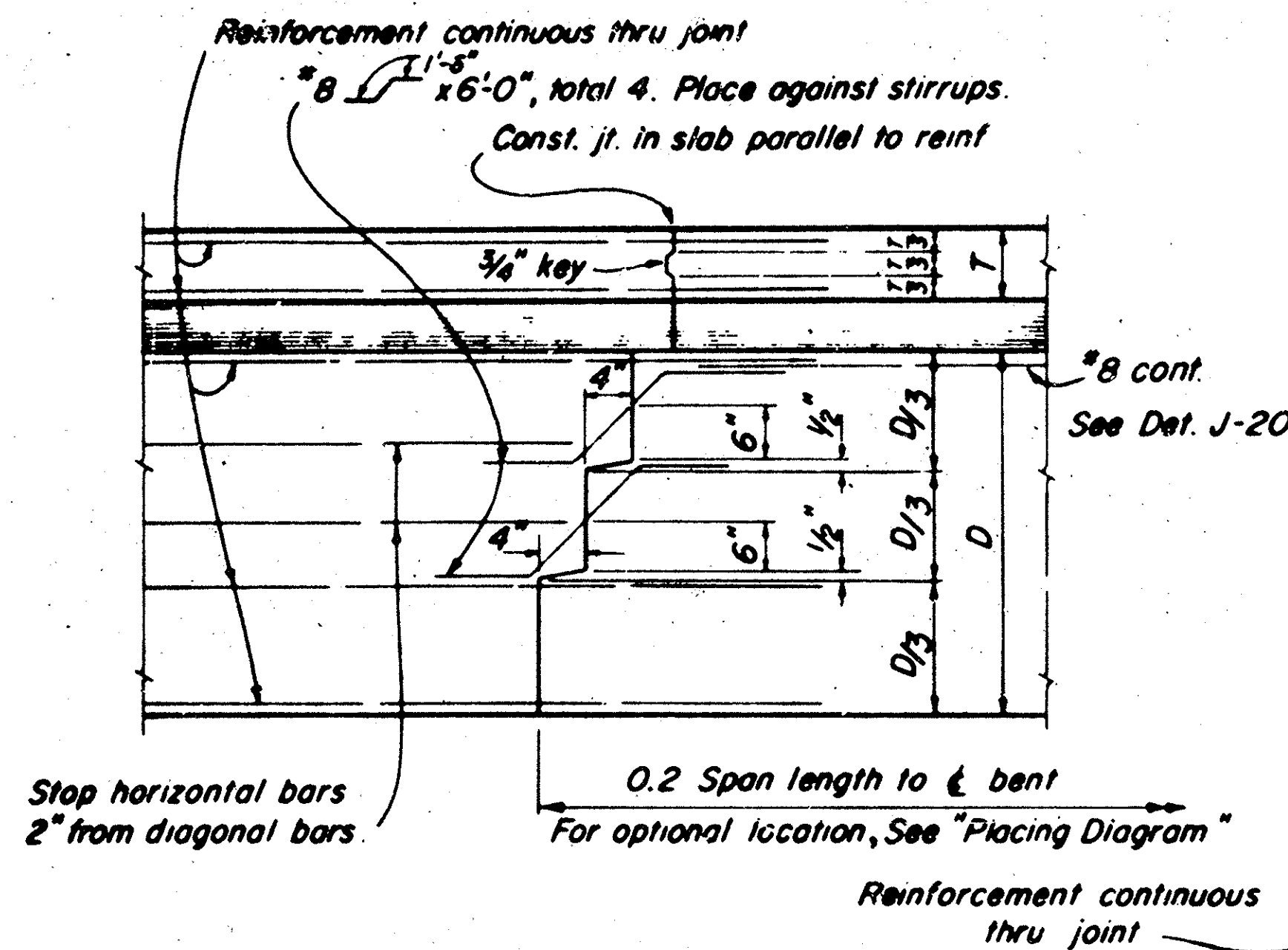
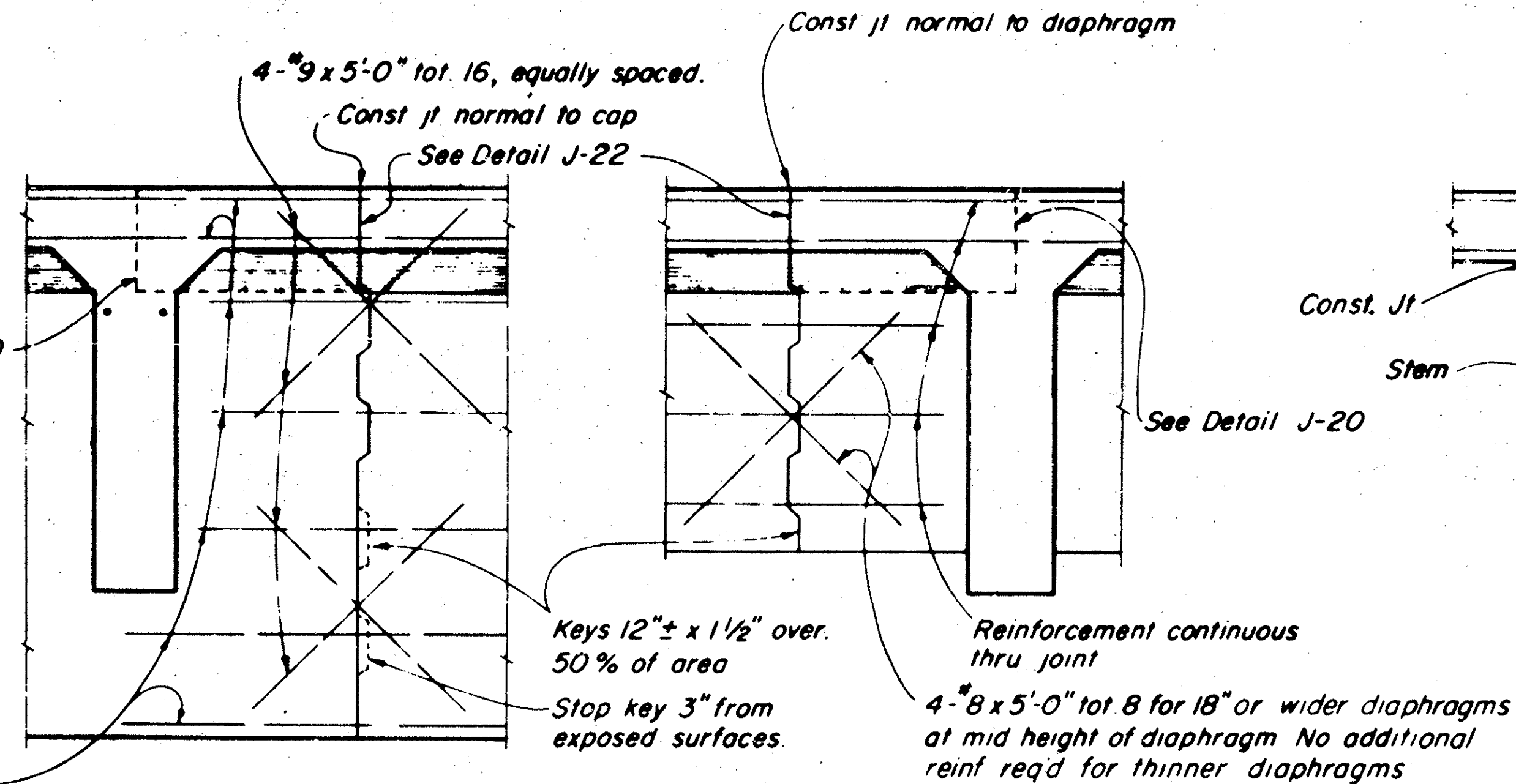
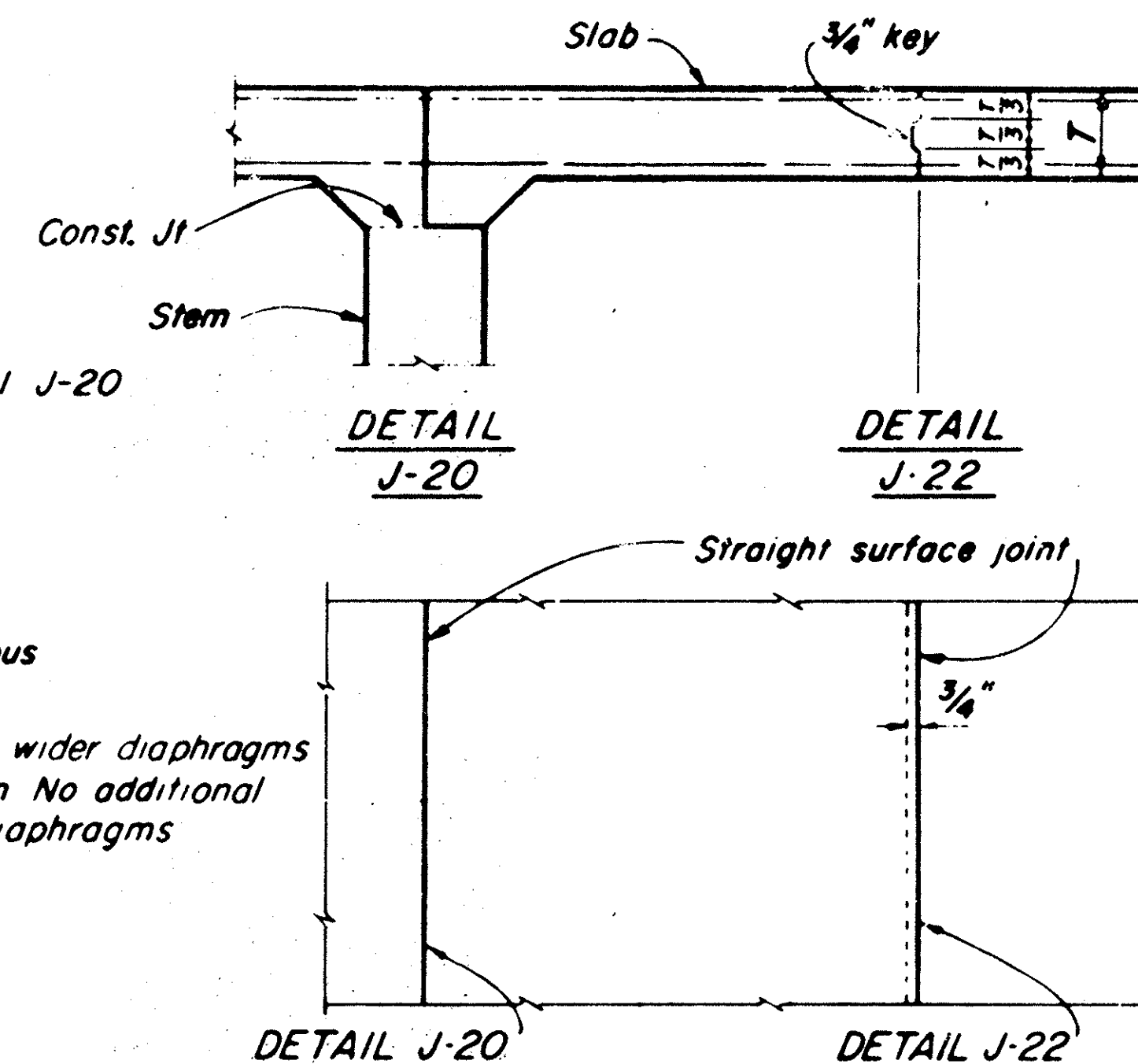




TRANSVERSE GIRDER CONSTRUCTION JOINTS
DETAIL J-3

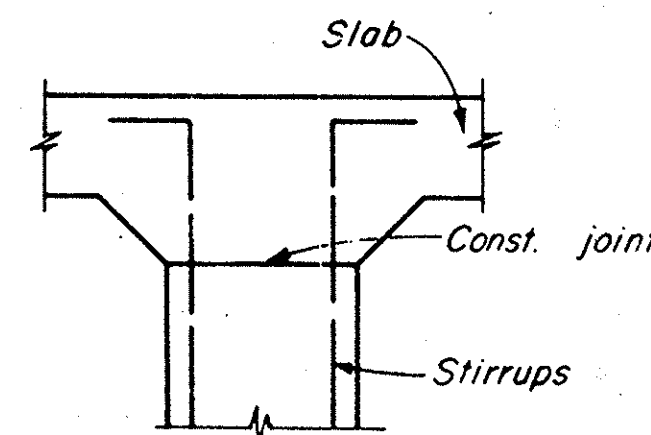
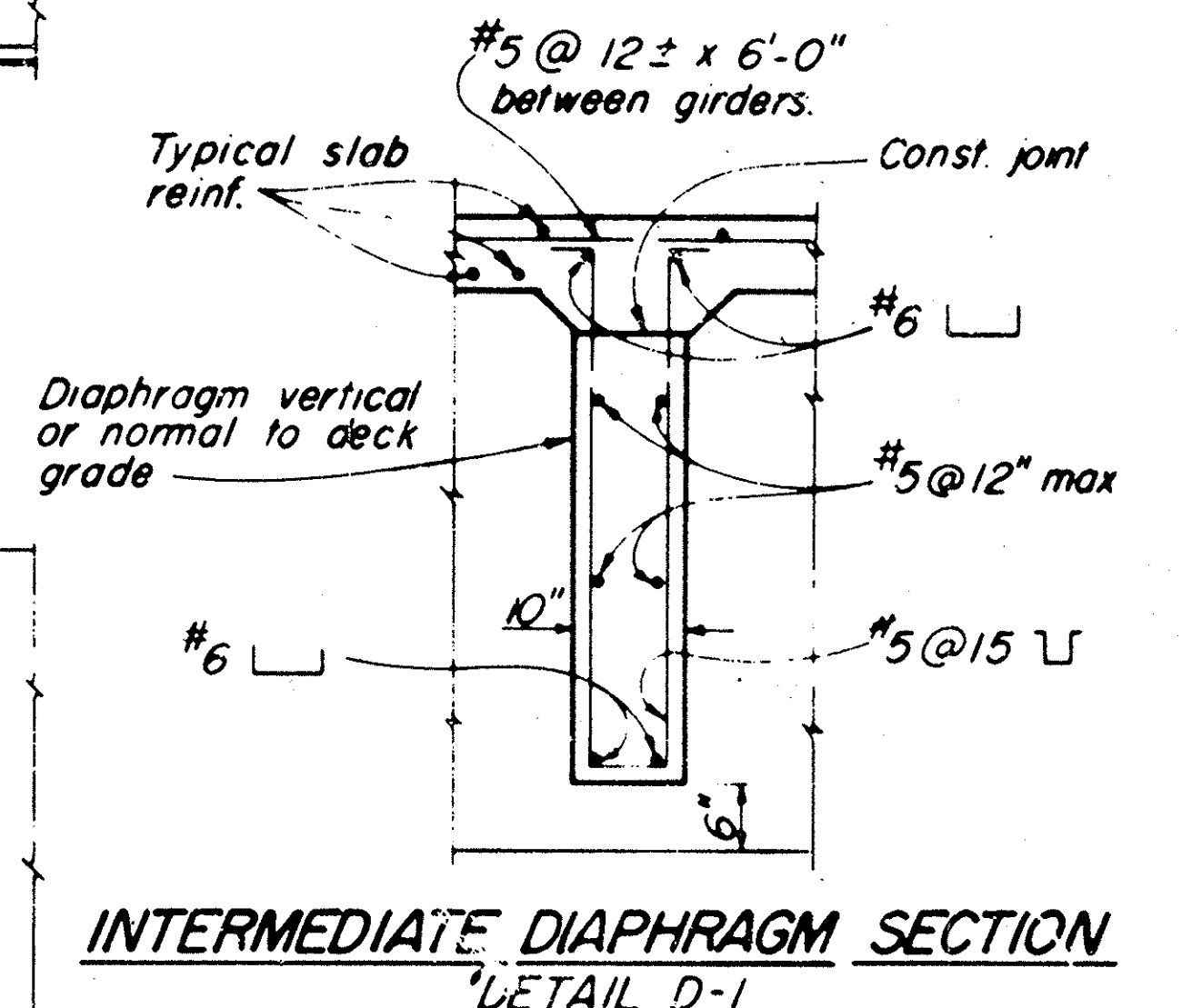


BENT CAP LONGITUDINAL CONSTRUCTION JOINTS
DETAIL J-4

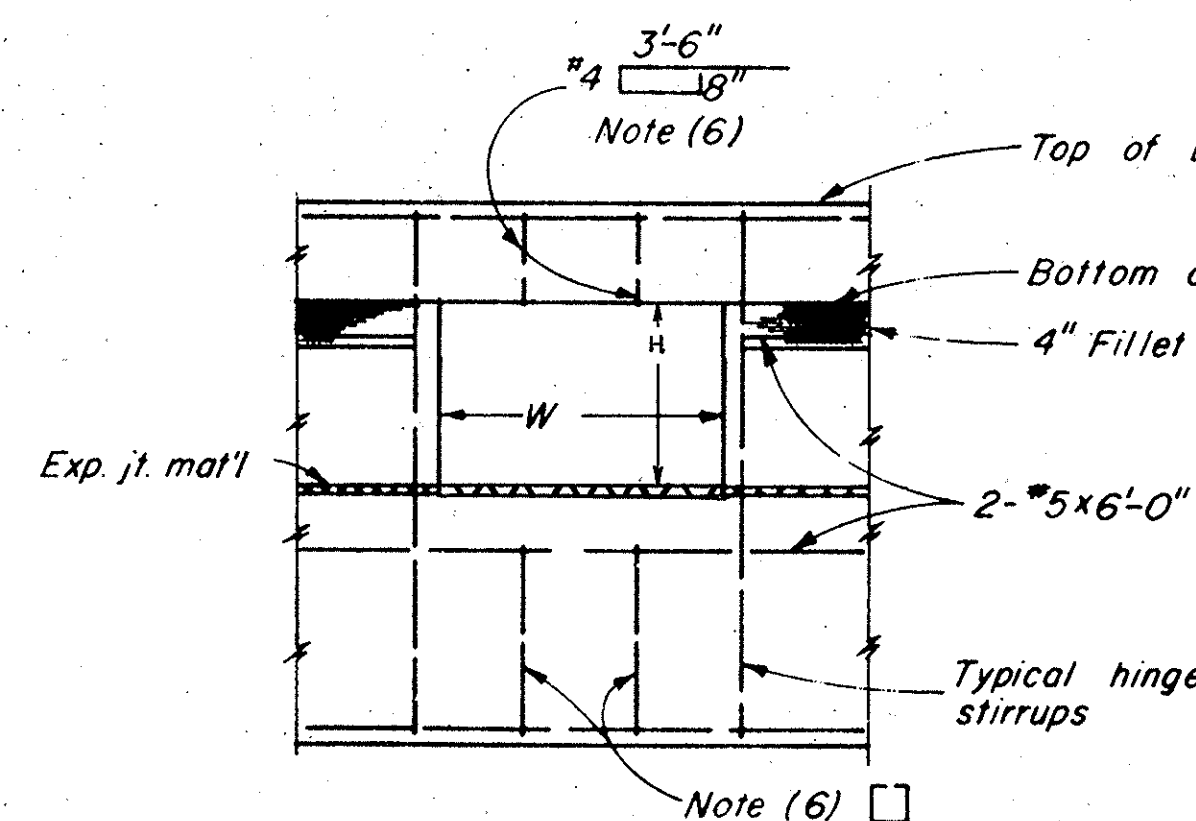


DECK SLAB LONGITUDINAL CONSTRUCTION JOINTS

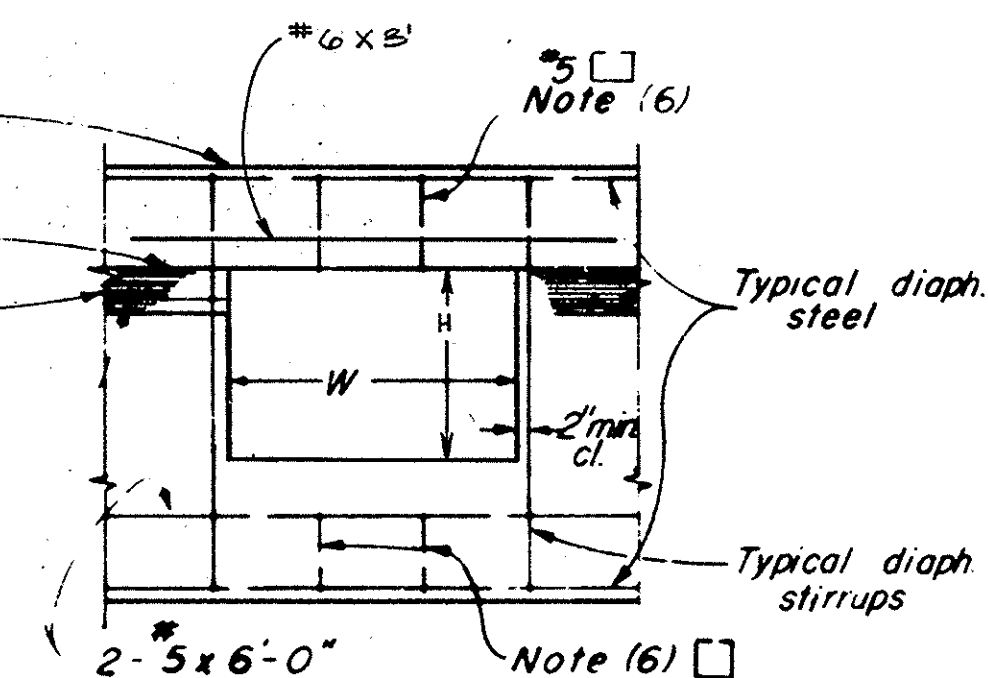
Note: Longitudinal construction joints in slab, if required, are to be located at edge of traffic lanes except as approved by the Engineer



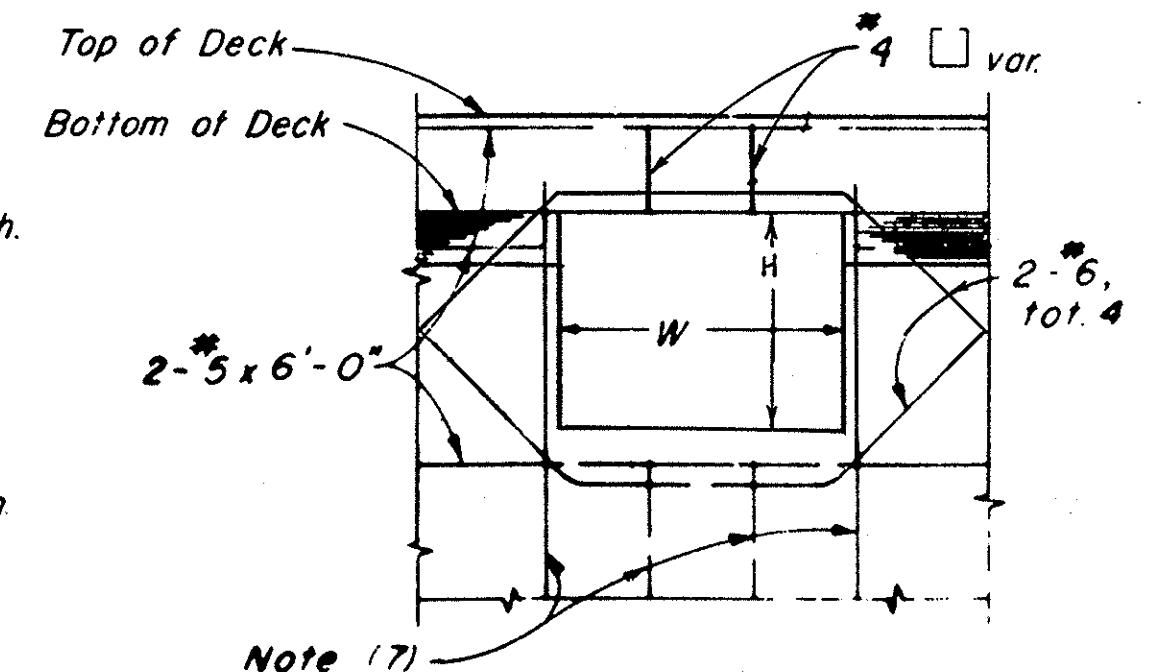
PART GIRDER



HINGE



DIAPHRAGM



PIERS

UTILITY OPENING DETAILS

1 1/2 0 1 2
3 inches on original drawing

NOTES

- (1) For exact location and direction of openings see other sheets
- (2) Location and size of utility openings may be modified as directed by the Engineer, provided minimum dimensions are maintained
- (3) Girders not shown, see other sheets
- (4) Seal around utilities at abutments to be of sufficient strength to withstand earth pressure
- (5) All reinforcement detailed to be placed in addition to reinforcement shown on other sheets
- (6) Stirrups are same size as adjacent stirrups shown on other sheets
- (7) Main reinforcement to clear opening as detailed on other sheets

4-81		AS BUILT	ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY	
			ORANGEWOOD AVE. BRIDGE	
			CONST. JOINTS & UTILITY OPENING DETAILS	
MARK	DATE	DESCRIPTION	PREPARED UNDER SUPERVISION OF	SHEET
		REVISIONS	DATE	11
DESIGNED	E.A.	SCALE	DATE	DWG. NO.
DRAWN	D.C.H.	CHECKED	AS SHOWN	