

FED. RD. DIST. NO.	STATE	F.A.G.C. PROJECT	FISCAL YEAR
10	OHIO	F.A.G.M. 70-A(6)	1941

3-A
50

LAKE COUNTY
S.H.520 SEC.PAINESVILLE(PT)
GRADE SEPARATION

GENERAL: Longitudinal joints shall be used when called for on the typical section, and shall be constructed as shown on this sheet.

Tie bars to be $\frac{3}{8}$ inch round, deformed bars.

A satisfactory device shall be used to hold the tie bars in proper position.

The longitudinal joint between adjoining slabs poured in separate operations shall be a key joint with American hook bolts or equal, or billet steel (Sec. M-7.1) tie bars, unless otherwise shown on the plans.

If tie bars are bent, no portion of the bend shall extend into the first slab poured.

Immediately prior to placing the second slab, bent tie bars shall be straightened by means of a pipe slipped over the free end of the bar.

Key joints used in part width construction shall be pointed with two coats of bituminous material as per Section M-5.12 AE-1 or 2 before adjoining slabs are poured.

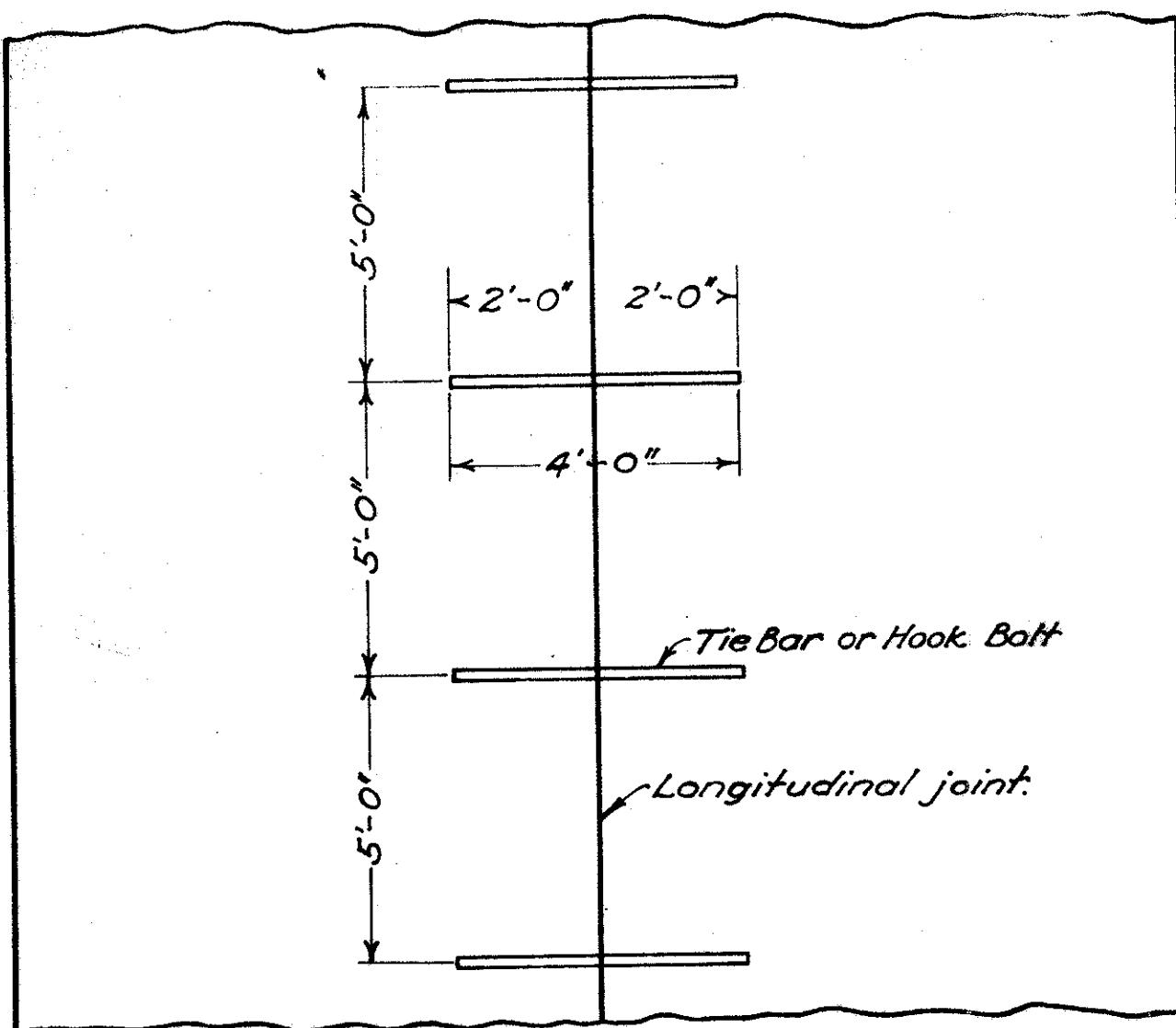
The Metal, and $\frac{3}{8}$ " Premolded Joints shall not be edged.

Special care shall be exercised in edging Impressed and $\frac{3}{8}$ " Premolded Joints, that the width of the opening does not exceed that shown.

Material for sealing $\frac{3}{8}$ inch prem. & key joints and for filling impressed joints shall meet the requirements of Section M-5.4 F-1. Immediately before placing liquid bituminous seal or filler an application of kerosene shall be applied to the area of the joint to be in contact with the seal or filler. Application of kerosene shall be by pressure spray, brush or swab.

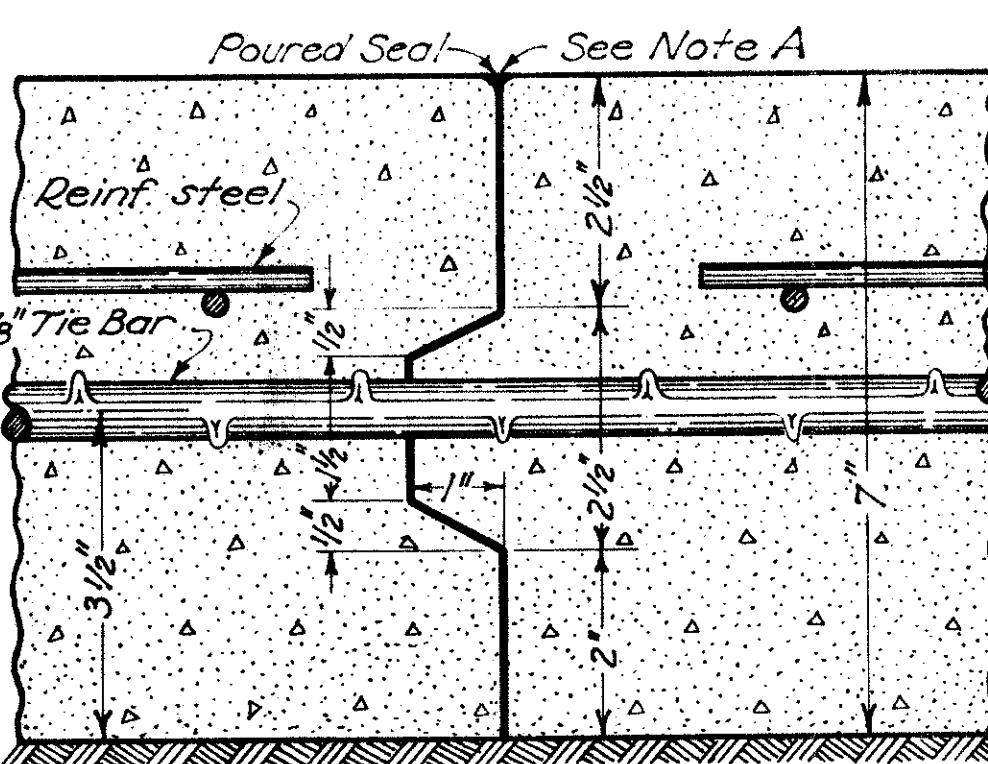
LONGITUDINAL JOINTS

KEY JOINT



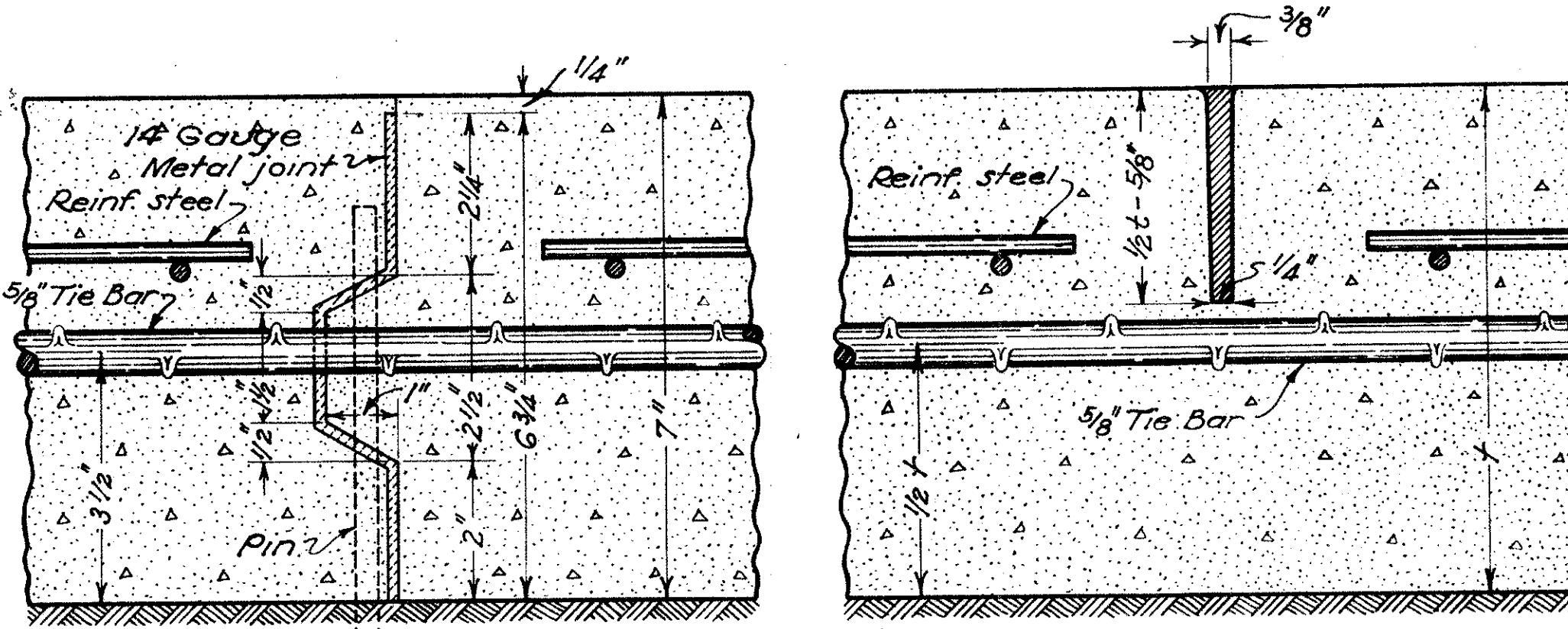
DETAIL OF JOINT

METAL JOINT



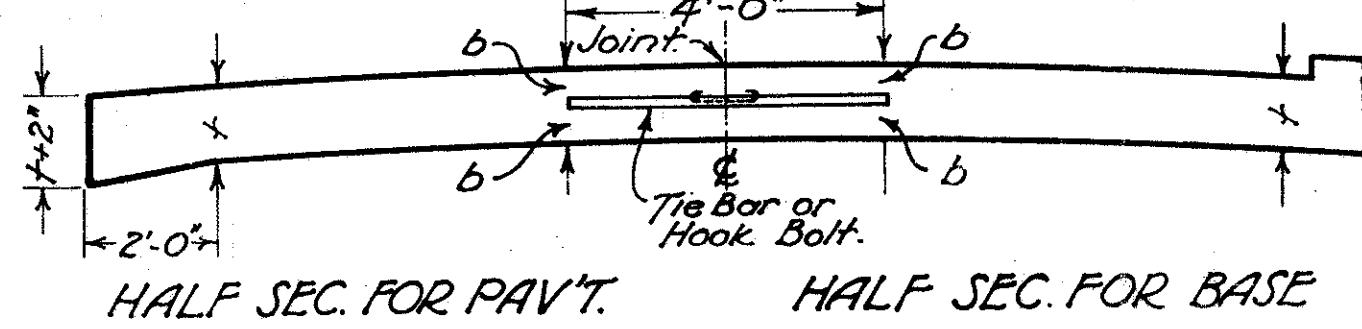
DETAIL OF JOINT

IMPRESSED JOINT

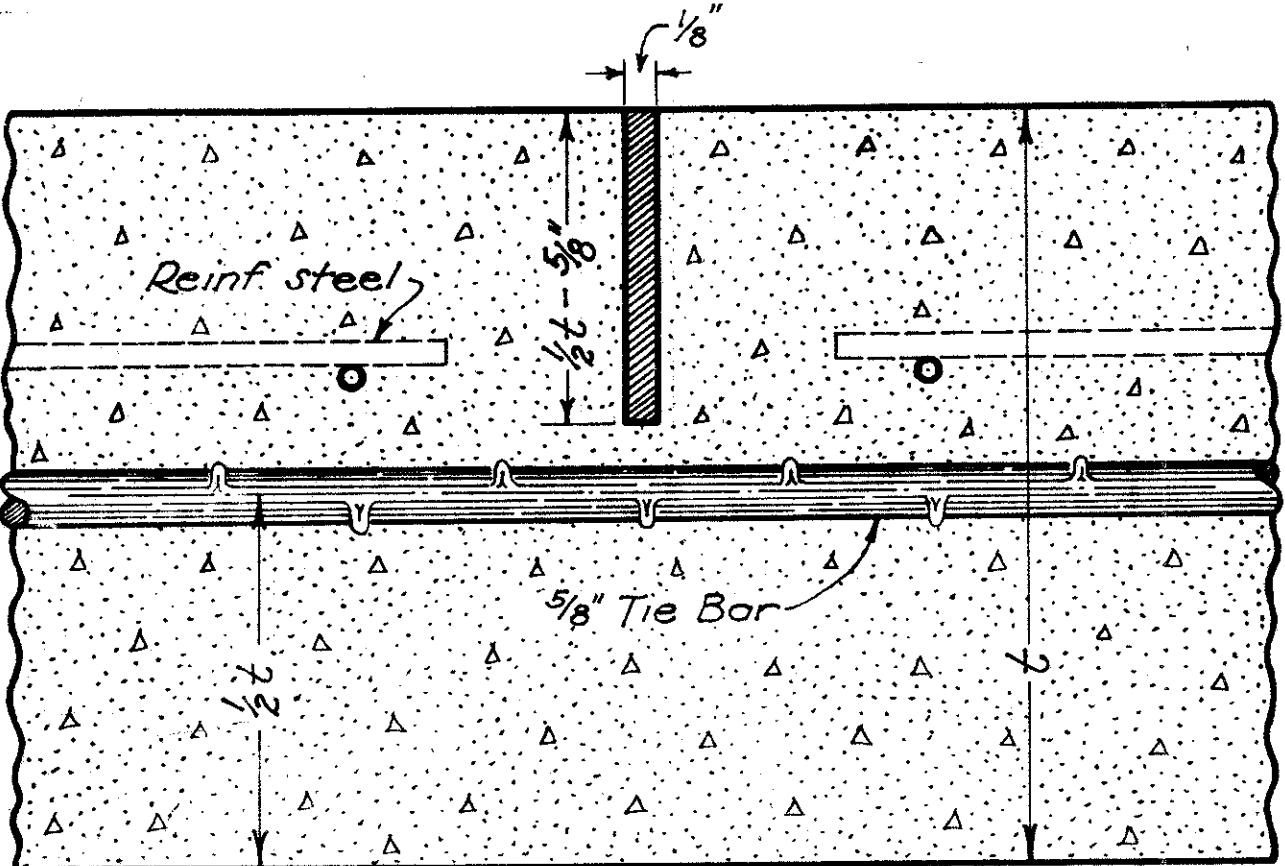


DETAIL OF JOINT

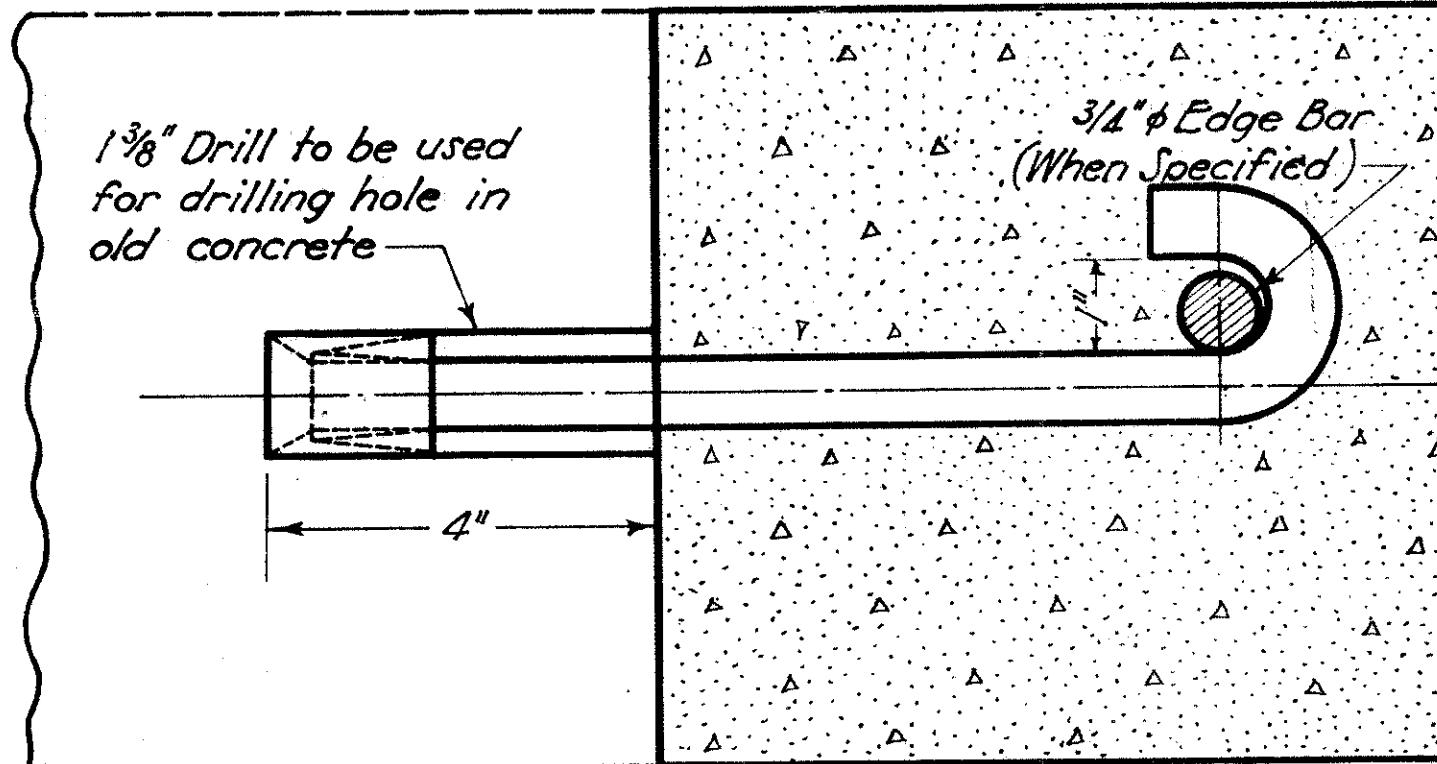
HALF PLAN FOR PAV'T. HALF PLAN FOR BASE



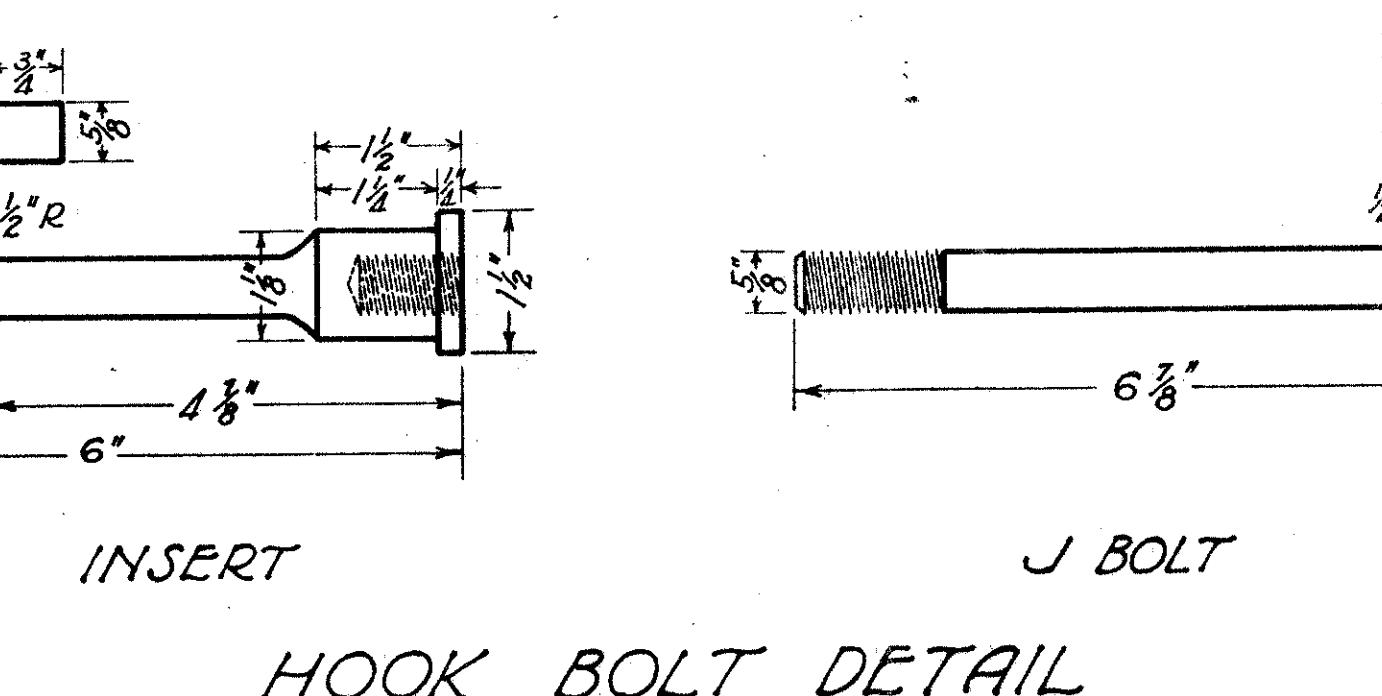
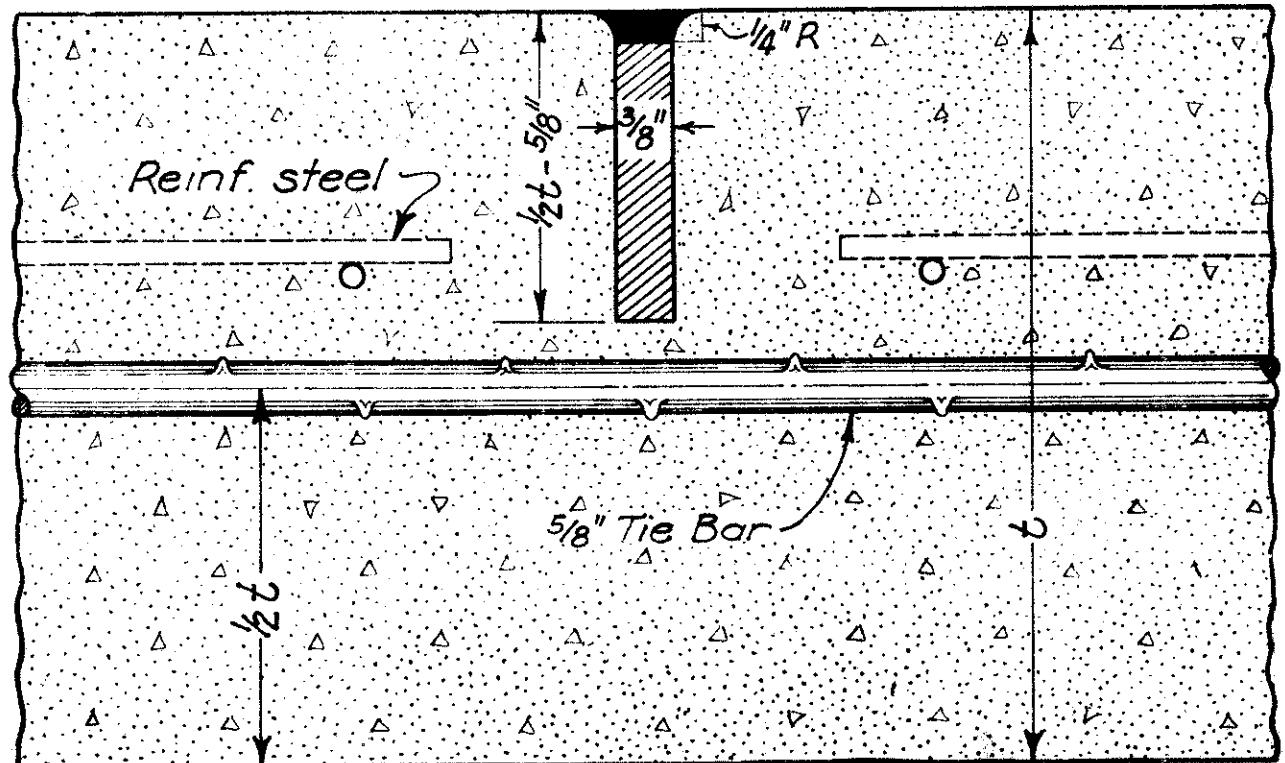
PREMOLDED JOINT



EXPANSION BOLT JOINT

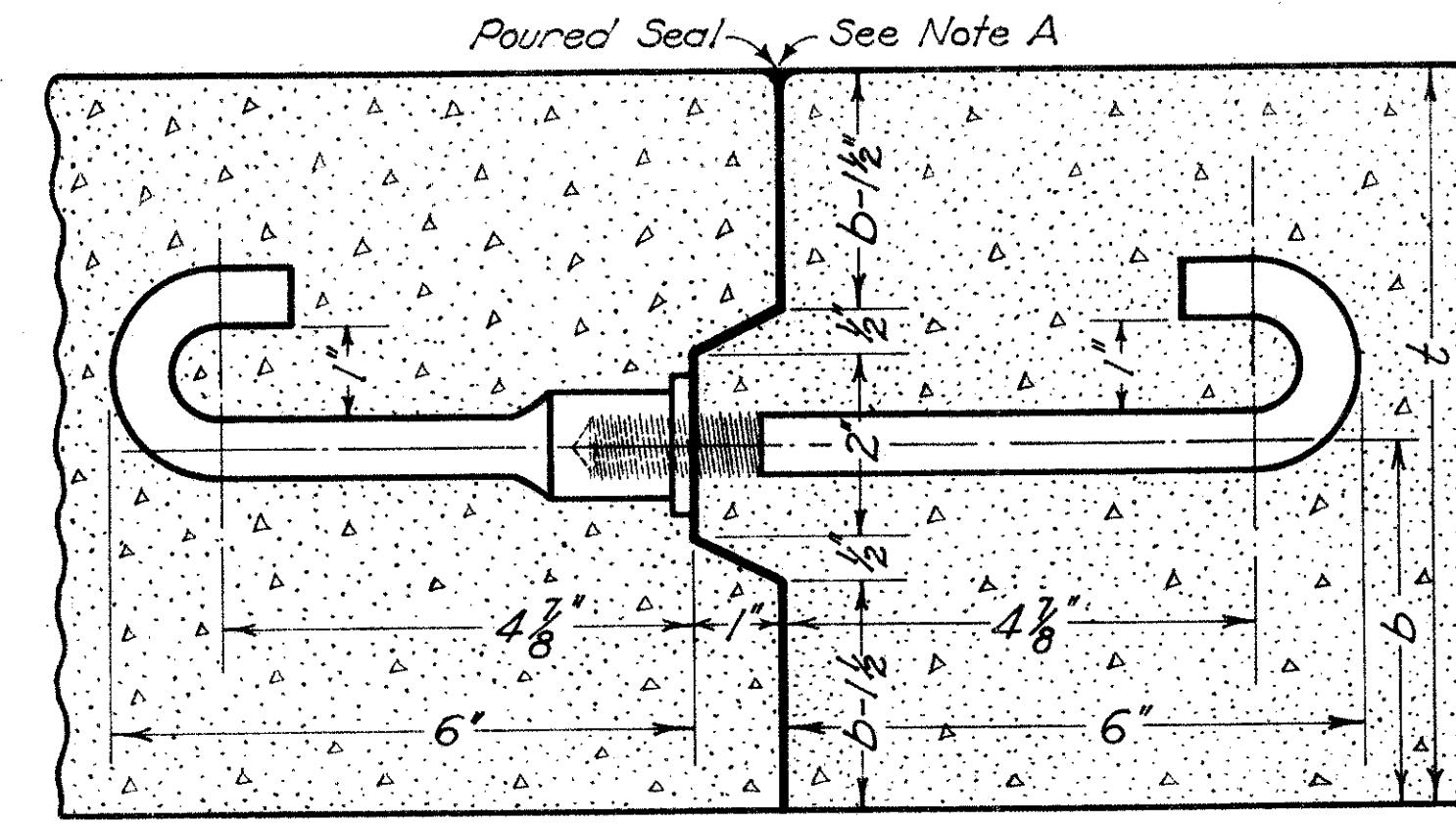


PREMOLDED JOINT

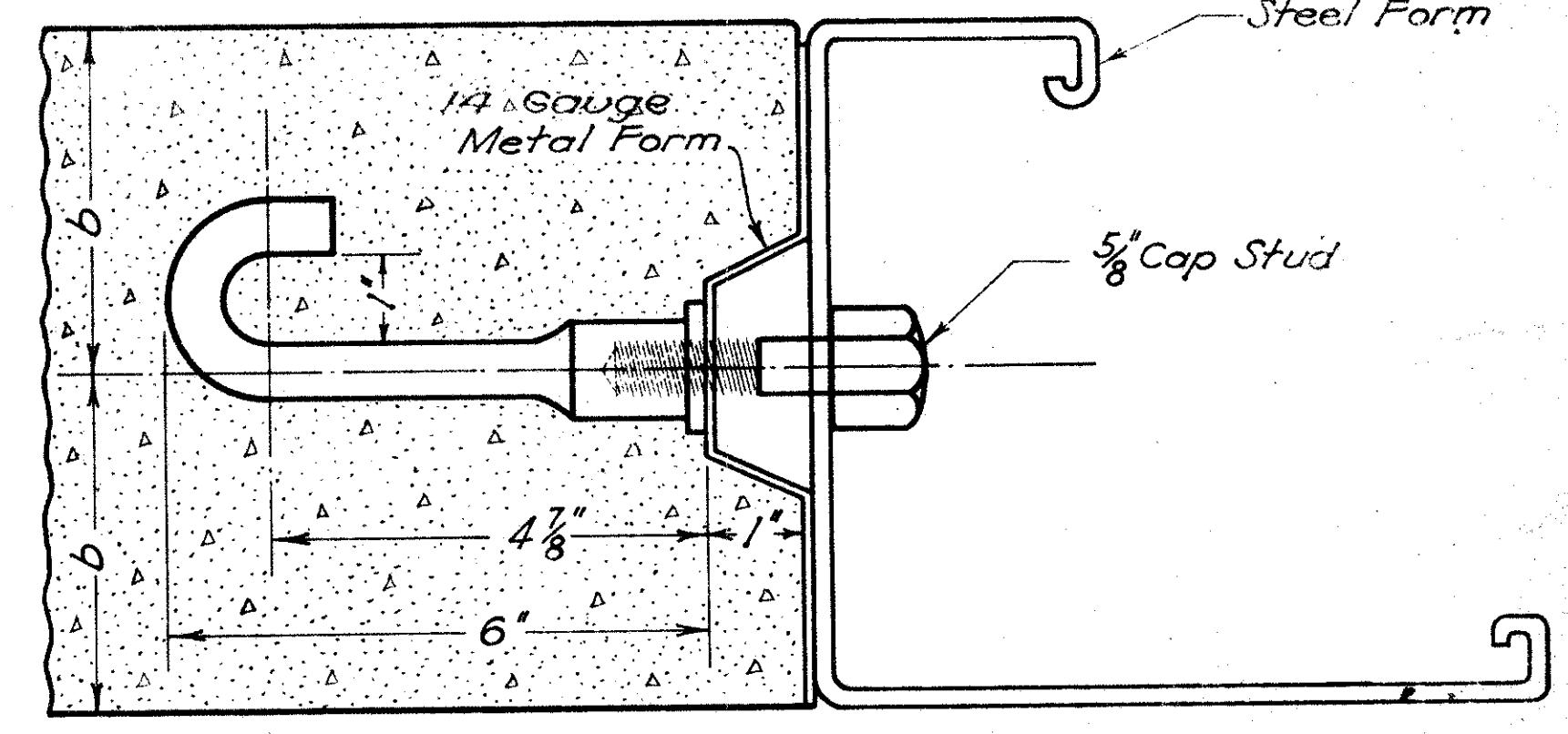


HOOK BOLT DETAIL

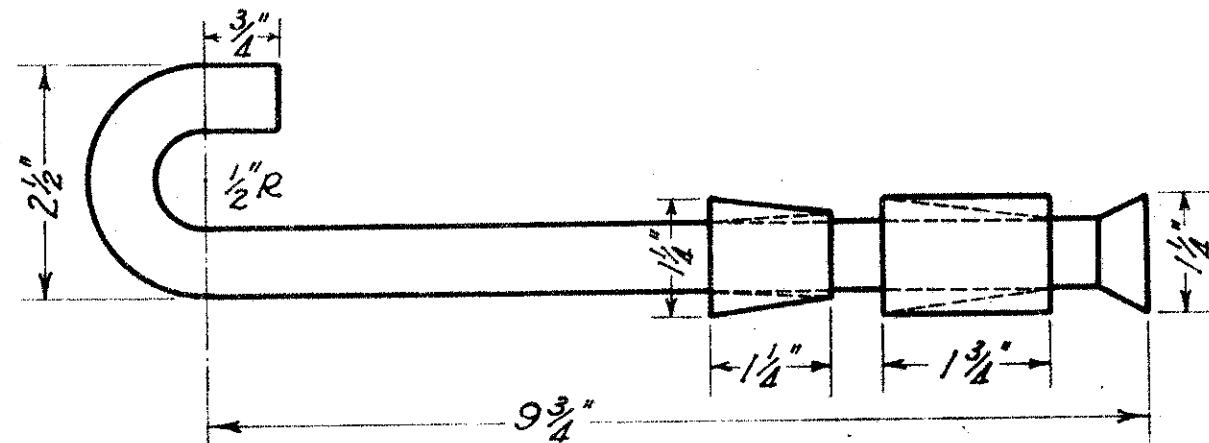
HOOK BOLT AND KEY JOINT



ACCEPTABLE METHOD OF FORMING JOINT



Note A: The adjacent edges of adjoining slabs poured in separate operations shall be edged with a thin metal edger having an eighth inch radius. The depth of vertical lip shall not exceed one-half inch.



EXPANSION BOLT DETAIL

DATE
3-1-39
8-1-40
11-6-40