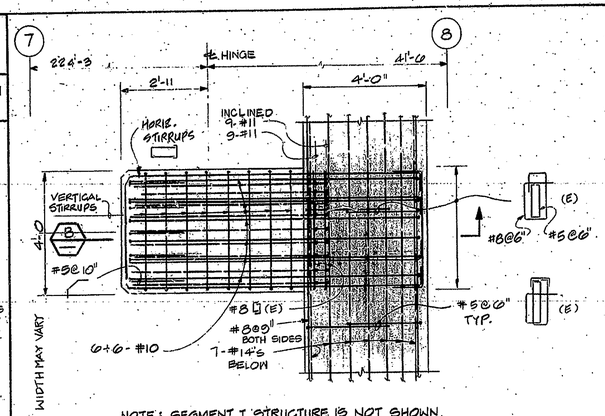
*CONSTRUCTION & STRESSING SEQUENCE FOR EXPANSION JOINT 2 – SEGMENT 1 & 2

K L M N
EBL WBL EBL WBL — CONSTRUCTION ELEMENTS
SEGMENT 1 SEGMENT 2

IN ORDER TO AVOID THE UNEQUAL CONC. CREEP IN DIFFERENT SECTIONS, THE FOLLOWING SEQUENCE MUST BE FOLLOWED.

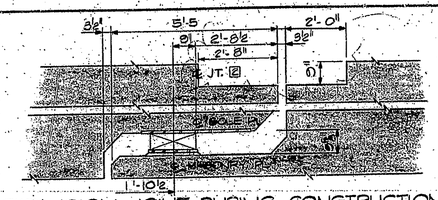
1. BUILD M OR N AND STRESS TENDONS TO 100%.
2. BUILD REMAINING M OR N WITH 4'-0" GAP IN TRANSVERSE EXPANSION JT. DIAPHRAGM SEE (B) DWG. 720. STRESS TO 100%.
3. BUILD K OR L AND STRESS TENDONS TO 100%.
4. BUILD K OR L WITH 6'-0" GAP IN TRANSVERSE DIAPHRAGM AND STRESS TENDONS TO 100%.
5. CLOSE 4'-0" GAP BET. M & N. } AT LEAST 6 MONTHS AFTER COMPLETING ABOVE SEQUENCE.
6. CLOSE 6'-0" GAP BET. K & L.
7. INSTALL EXPANSION JT. AFTER COMPLETING ABOVE SEQUENCE.

* SUBMIT FINAL PROCEDURES AND DETAILS FOR APPROVAL BY ENGINEER, BEFORE COMMENCING WORK.

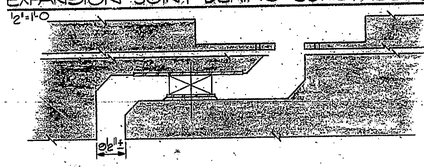


NOTE: SEGMENT 1 STRUCTURE IS NOT SHOWN.

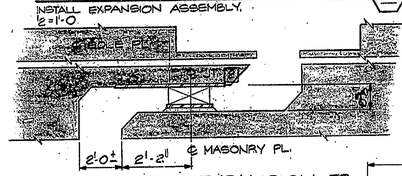
EXTERIOR HINGE PLAN (A)
1/8" = 1'-0"



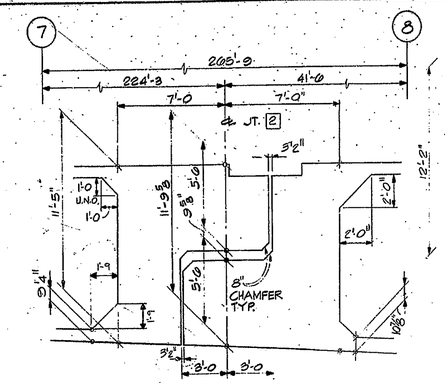
EXPANSION JOINT DURING CONSTRUCTION (D)
1/2" = 1'-0"



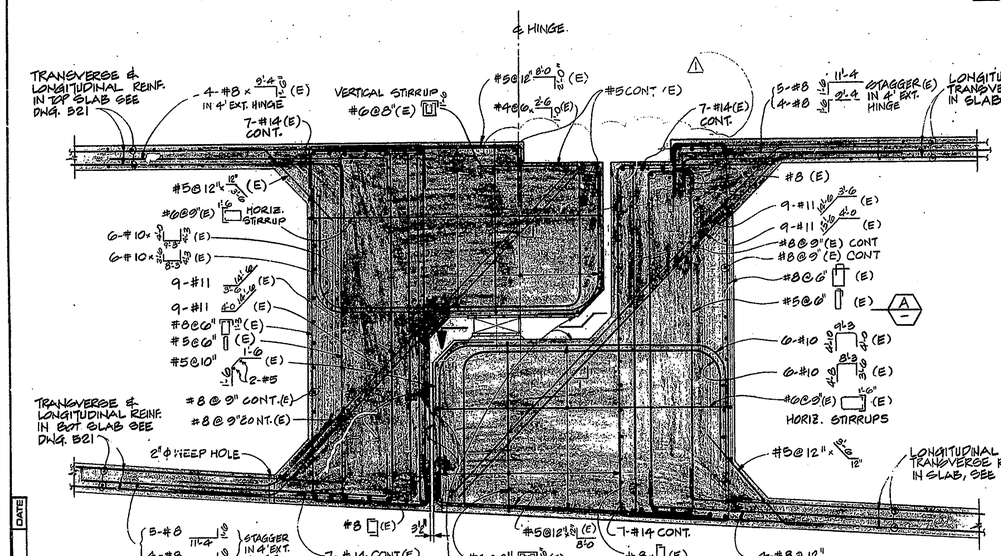
EXPANSION JOINT @ SIX MONTHS (E)
INSTALL EXPANSION ASSEMBLY.
1/2" = 1'-0"



LONG TERM EXPANSION (F)
1/2" = 1'-0"

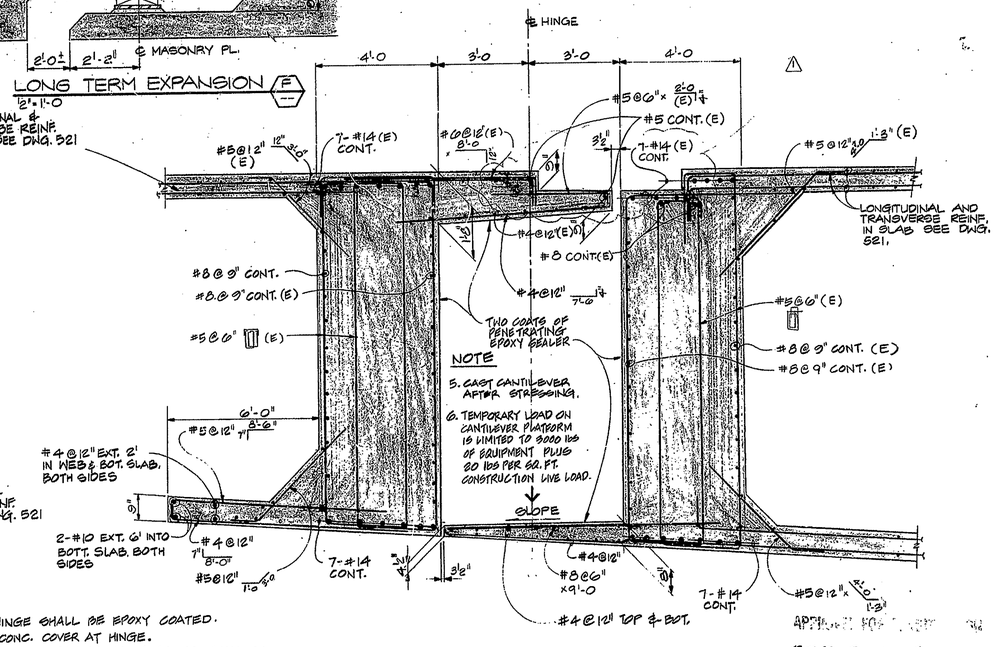


DEPTH OF GIRDER AT EXPANSION BEARING (G)
1/4" = 1'-0 (EXP. JT. 2)



NOTES:
1. ALL REINF. @ HINGE SHALL BE EPOXY COATED.
2. INCREASE 1/2" CONC. COVER AT HINGE.
3. TWO COATS OF PENETRATING EPOXY SEALER SHALL BE APPLIED AS SHOWN ON DETAILS.
4. READ THIS SHEET WITH DWG. 720 & 722.

SECTION (B)
1/2" = 1'-0



NOTE
5. CAST CANTILEVER AFTER STRESSING.
6. TEMPORARY LOAD ON CANTILEVER PLATFORM IS LIMITED TO 3000 LBS OF EQUIPMENT PLUS 20 LBS PER SQ. FT. CONSTRUCTION LIVE LOAD.

SLOPE

SECTION (C)
1/2" = 1'-0

APPROVED FOR CONSTRUCTION
J. B. [illegible]
Sr. Vice President of Walsh Const. Co. 10-26-81

NO.	REVISION	DATE
1	BLACK-OUT DIMS	SEPT 81

T. Y. LIN INTERNATIONAL
STRUCTURAL ENGINEERS

REID, QUEBE, ALLISON, WILCOX AND ASSOCIATES INC.
CONSULTING ENGINEERS

WALSH CONSTRUCTION COMPANY
A DIVISION OF GUY F. ATKINSON CO.
DARIEN, CONNECTICUT

SHEET TITLE
HINGE REINFORCEMENT – EXPANSION JOINT 2

CLINE AVENUE EXTENSION OVER INDIANA HARBOR CANAL
BRIDGE FILE: 912-45-2548 CONTRACT NO. 8-11512 INDIANA STATE HIGHWAY COMMISSION

SHEET N.
721