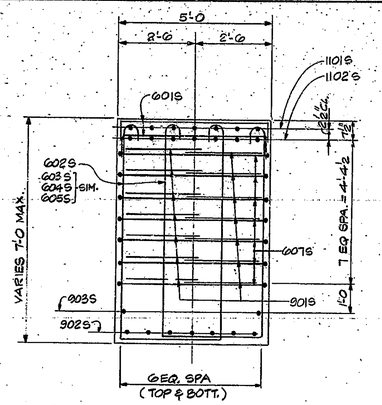
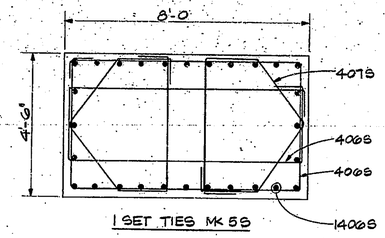
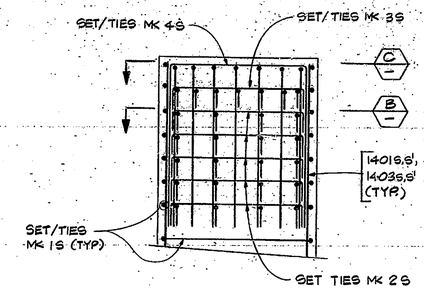


SECTION F
½"=1'-0

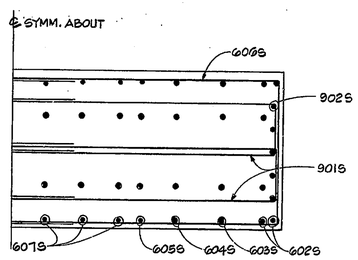


1 SET TIES MK 5S

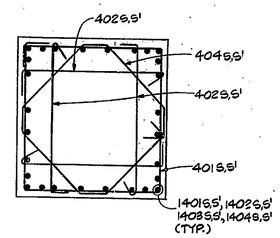
SECTION E
½"=1'-0



DETAIL 1
½"=1'-0

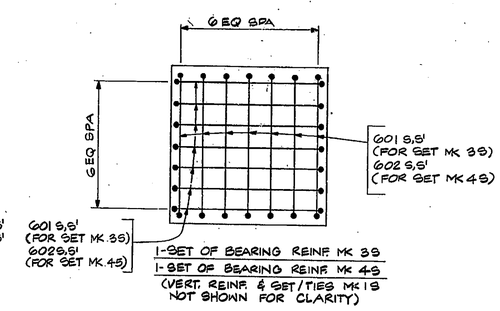


SECTION G
½"=1'-0"



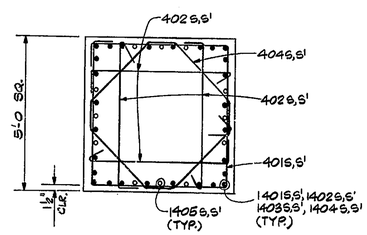
1 SET TIES MK 1S

SECTION B
½"=1'-0"



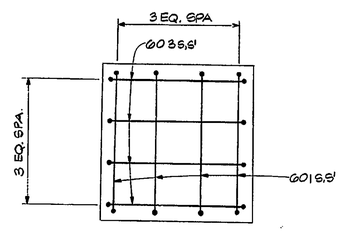
1-SET OF BEARING REINF. MK 3S
1-SET OF BEARING REINF. MK 4S
(VERT. REINF. & SET/TIES MK 1S NOT SHOWN FOR CLARITY)

SECTION D
½"=1'-0



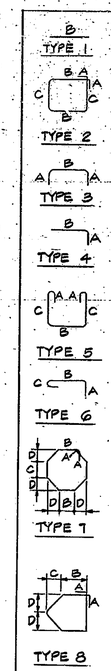
1-SET OF TIES MK 1S

SECTION A
½"=1'-0



1-SET OF BEARING REINF. MK 2S
(VERT. REINF. & SET/TIES MK 1S NOT SHOWN FOR CLARITY.)

SECTION C
½"=1'-0



MARK No.	TYPE	No REQD	A	B	C	D	E	LGTH	WEIGHT LBS.
PIER No. 25 & 25'									
4015,S	2	197	0'-8	4'-9	4'-9			20'-4	
4025,S	6	394	0'-8	4'-9	0'-8			6'-1	
4045,S	7	197	0'-8	1'-0	1'-0	1'-10		15'-10	
TOTAL #4									6360
6015,S'	3	56	4'-6	4'-7				13'-7	
6025,S'	3	216	0'-11	4'-7				6'-5	
TOTAL #6									3,224
1401S	4	28	2'-7	50'-7				44'-1	
1402S	4	28	2'-7	52'-1				44'-5	
1403S	4	28	2'-7	52'-1				45'-6	
1404S	4	28	2'-7	52'-5				45'-11	
1405S	1	48		21'-2				21'-2	
PIER No. 25 TOTAL #14									54,565
TOTAL REINF.									64,149
CONC. f'_c = 5000 P.S.I.									
TOTAL PIER CONCRETE VOLUME									170.7 C.Y.
PIER No. 26 & 26'									
4015,S	2	173	0'-8	4'-9	4'-9			20'-4	
4025,S	6	346	0'-8	4'-9	0'-8			6'-1	
4045,S	7	173	0'-8	1'-0	1'-0	1'-10		15'-10	
TOTAL #4									5,580
6015,S	3	56	4'-6	4'-7				13'-7	
6025,S	3	216	0'-11	4'-7				6'-5	
TOTAL #6									3224
1401S	4	28	2'-7	45'-1				38'-7	
1402S	4	28	2'-7	45'-5				38'-11	
1403S	4	28	2'-7	45'-10				41'-4	
1404S	4	28	2'-7	46'-3				41'-8	
1405S	1	48		21'-2				21'-2	
PIER No. 26 TOTAL #14									49,071
TOTAL REINF.									57,881
CONC. f'_c = 5000 P.S.I.									
TOTAL PIER CONCRETE VOLUME									148.9 C.Y.
PIER No. 105									
4055	2	33	0'-8	7'-9	4'-3			25'-4	
4065	2	33	0'-8	7'-9	2'-2			21'-2	
4075	8	66	0'-8	1'-7	1'-7	2'-2		14'-4	
TOTAL #4									1,057
6015	3	44	0'-10	4'-8				6'-4	
6025	5	4	0'-10	8'-3	4'-9			14'-5	
6035	5	4	0'-10	8'-3	5'-4			15'-7	
6045	5	4	0'-10	8'-3	6'-0			16'-11	
6055	5	4	0'-10	8'-3	6'-7			18'-1	
6065	5	12	0'-10	8'-3	6'-7			18'-1	
6075	3	14	0'-10	4'-9				20'-5	
TOTAL #6									1,691
9015	3	28	10'-10	2'-4				24'-0	
9025	9	7	4'-8	2'-0	4'-9	8'-0		27'-8	
9035	7	2	12'-0					12'-0	
TOTAL #9									3025
1101S	3	7	2'-0	17'-6				21'-6	
1102S	3	7	2'-0	17'-0				21'-0	
TOTAL #11									1,580
1406S	4	28	2'-7	32'-4				35'-4	
TOTAL #14									9,618
PIER No. 105 TOTAL REINF.									17,571
CONC. f'_c = 5000 P.S.I.									
TOTAL PIER CONCRETE VOLUME									72.9 C.Y.

N.	REVISION	DATE

T. Y. LIN INTERNATIONAL
STRUCTURAL ENGINEERS

T. Y. Lin

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

T. Y. LIN REGISTERED No. 18266 STATE OF INDIANA PROFESSIONAL ENGINEER

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

SHEET TITLE
PIER No. 25 AND 26 E.B.L. AND W.B.L. AND PIER 105 COLUMN DETAILS (II)

CLINE AVENUE EXTENSION OVER INDIANA HARBOR CANAL
BRIDGE FILE: 912-45-2546 CONTRACT NO. 8-11812
INDIANA STATE HIGHWAY COMMISSION

SHEET N.
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