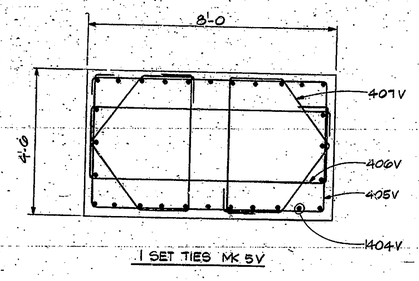
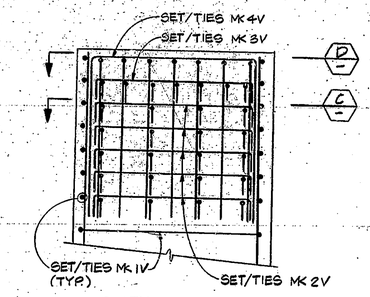
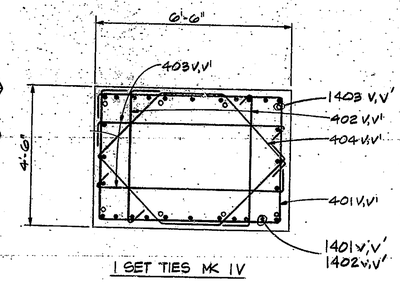


1 SET TIES MK 5V

SECTION E
½"=1'-0

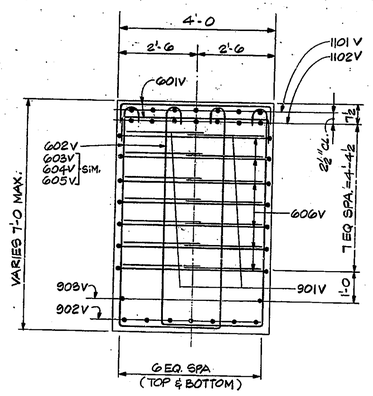


DETAIL I
½"=1'-0

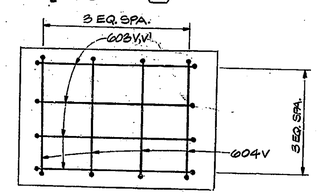


1 SET TIES MK 1V

SECTION A
½"=1'-0

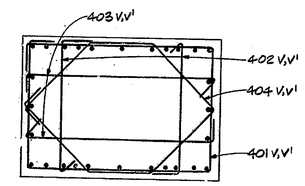


SECTION F
½"=1'-0



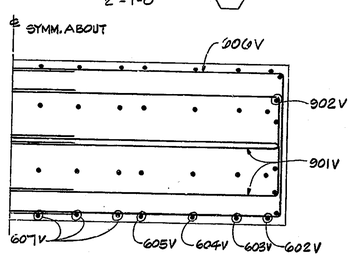
1 SET/BEARING REINF. MK 2V
(VERT REINF & SET/TIES MK IV NOT SHOWN FOR CLARITY.)

SECTION C
½"=1'-0

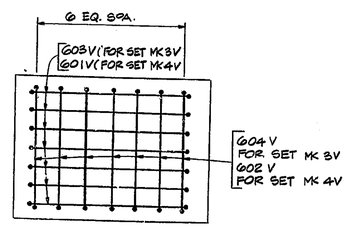


1 SET TIES MK 1V

SECTION B
½"=1'-0

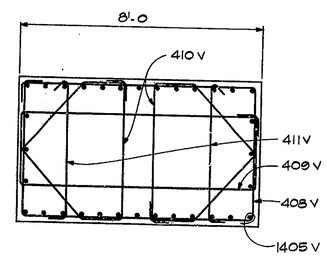


SECTION G
½"=1'-0

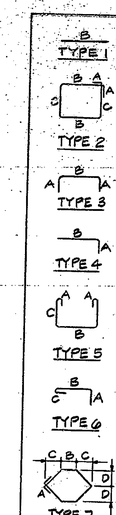


1 SET/BEARING REINF. MK 3
1 SET/BEARING REINF. MK 4

SECTION D
½"=1'-0



SECTION H
½"=1'-0



MARK NO	TYPE	NO REQD	A	B	C	D	E	LGTH	WEIGHT LBS.
PIER NO. 29'									
401V'	2	67	0'-8	6'-3	4'-3			22-4	
402V'	6	134	0'-8	4'-3	0'-8			5'-6	
403V'	6	134	0'-8	6'-3	0'-8			7'-6	
404V'	7	67	0'-8	2'-1	2'-1	2'-1		12'-1	
TOTAL #4									2,704
601V'		14	4'-6	6'-3				15'-3	
602V'		14	4'-6	4'-3				13'-3	
603V'		54	0'-11	6'-3				7'-2	
604V'		54	0'-11	4'-3				5'-2	
TOTAL #6									1,600
1401V'	4	28	2'-7	36'-1				38'-8	
1402V'	4	28	2'-7	35'-1				37'-8	
1403V'	1	16		21'-6				21'-6	
TOTAL #14									18,980
TOTAL REINF									23,284
CONC. f'c = 5000 P.S.I.									
TOTAL PIER CONCRETE VOLUME									65.4 C.Y.
PIER NO. 304									
405V	2	21	0'-8	7'-9	4'-3			25-4	
406V	2	21	0'-8	7'-9	2'-2			21-2	
407V	8	42	0'-8	1'-7	1'-7	2'-2		14-4	
TOTAL #4									1,054
601V	3	44	0-10	4'-8				6'-4	
602V	5	4	0-10	3'-3	4-9			14'-5	
603V	5	4	0-10	5'-3	5'-4			15'-7	
604V	5	4	0-10	3'-3	6'-0			16'-11	
605V	5	4	0-10	3'-3	6'-7			18'-1	
606V	5	12	0-10	3'-3	6'-7			18'-1	
607V	3	14	10'-10	4'-9				26'-5	
TOTAL #6									2,745
901V	3	28	10'-10	2'-4				24'-0	
902V	9	7	4'-8	2'-0	4'-9	8'-0		27'-8	
903V	1	2		12'-0				12'-0	
TOTAL #9									3,025
1101V	3	7	2'-0	17'-0				21'-0	
1101V	3	7	2'-0	16'-0				20'-0	
TOTAL #11									4,508
1404V	4	28	2'-7	30'-4				32'-11	
TOTAL #14									7,050
TOTAL REINF.									18,442
CONC. f'c = 5000 P.S.I.									
TOTAL PIER CONCRETE VOLUME									48.6 C.Y.
PIER NO. 302									
408V	2	28	0'-8	4'-3	7'-9			23'-4	
409V	2	28	0'-8	4'-3	2'-1			14'-0	
410V	8	56	0'-8	1'-4	1'-11	2'-1		18'-10	
411V	4	56	0'-8	2'-3	0'-8			5'-7	
TOTAL #4									1,450
1405V	4	84	2'-7	30'-1				41'-8	
TOTAL #14									10,840
TOTAL REINF.									12,290
CONC. f'c = 5,000 P.S.I.									
TOTAL PIER CONCRETE VOLUME									33.0 C.Y.

N.	REVISION	DATE

T. Y. LIN INTERNATIONAL
STRUCTURAL ENGINEERS

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

T. Y. Lin

T. Y. LIN REGISTERED No. 15266 STATE OF INDIANA PROFESSIONAL ENGINEER

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

SHEET TITLE

PIER No. 304 AND 29' W.B.L. COLUMN DETAILS (II)

CLINE AVENUE EXTENSION OVER INDIANA HARBOR CANAL
BRIDGE FILE: 912-45-2546 CONTRACT NO. 3-11612
INDIANA STATE HIGHWAY COMMISSION

SHEET N.

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