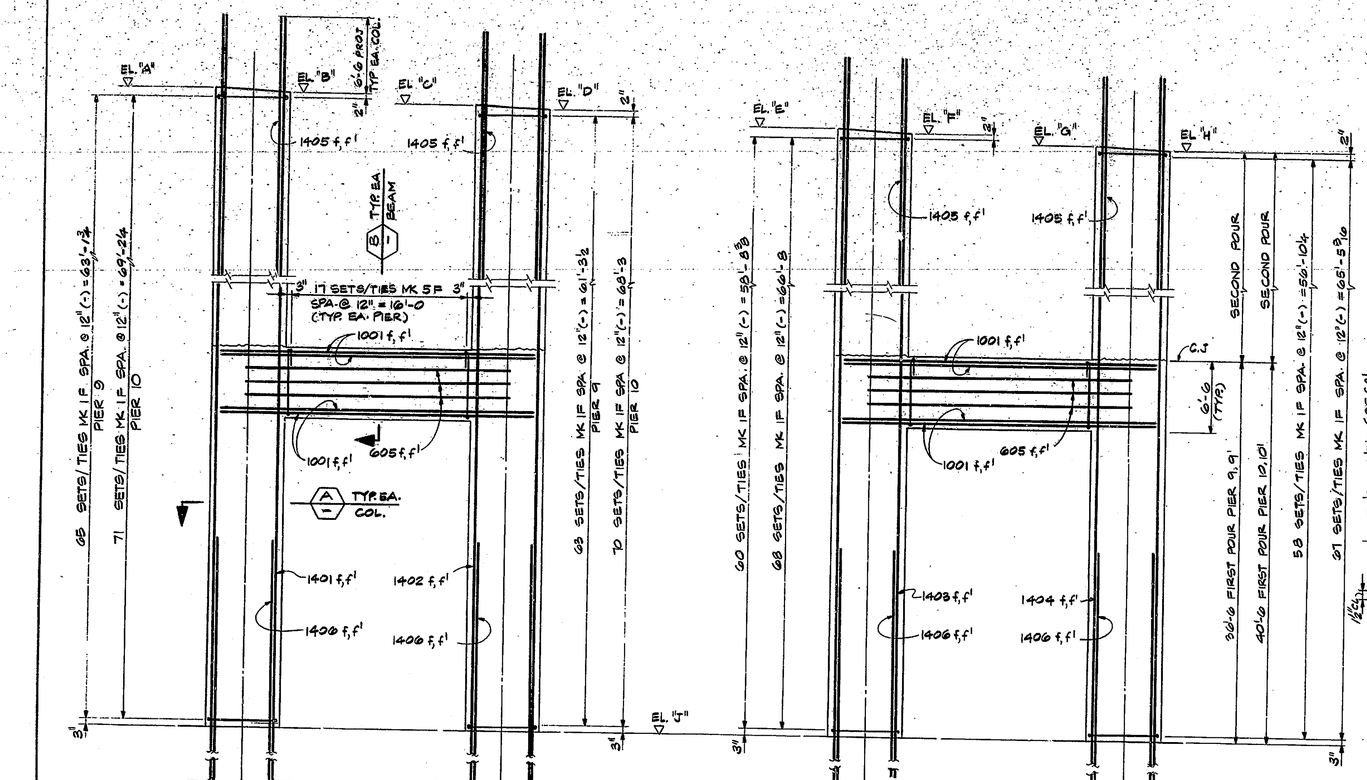
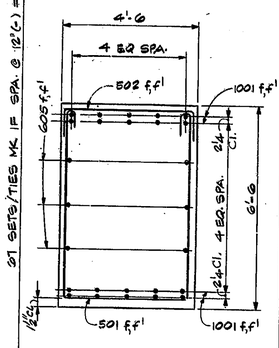


ELEVATION

3/16" = 1'-0

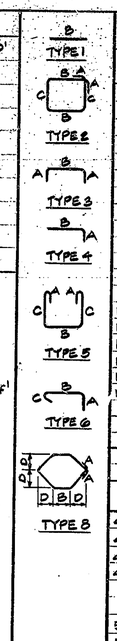


1. SET OF TIES MK 5 F

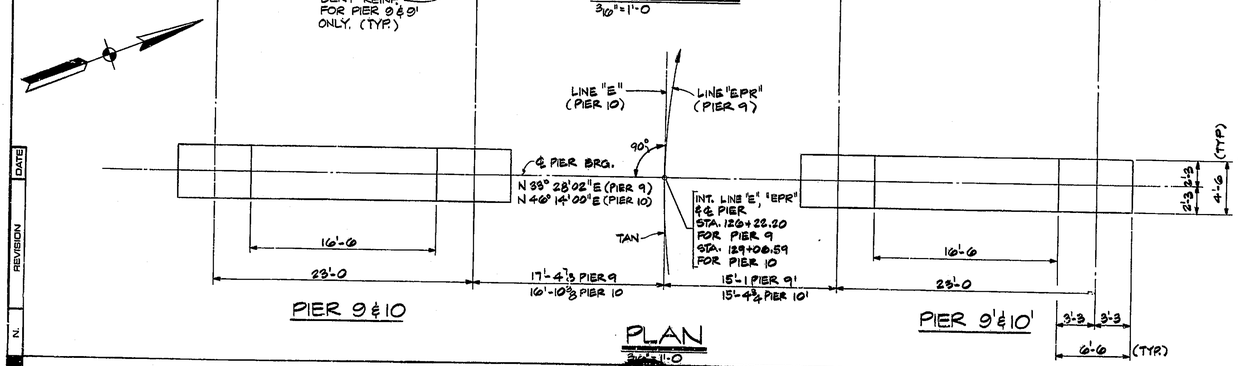
SECTION B

12" = 1'-0

TABLE OF ELEVATIONS		
	PIER 9, 9'	PIER 10, 10'
A	652.58	656.86
B	652.06	656.60
C	650.73	655.92
D	650.21	655.66
E	648.14	654.43
F	647.62	654.09
G	646.29	653.20
H	645.77	652.86
J	588.50	587.00



MARK NO	TYPE	NO REQD	A	B	C	D	E	LGTH	WEIGHT LBS
PIER NO. 9 & 9'									
401 f	2	246	0'-8	6'-3	4'-3			22'-4	
402 f	6	492	0'-8	4'-3	0'-8			5'-7	
403 f	6	492	0'-8	6'-3	0'-8			7'-7	
404 f	8	246	0'-8	2'-0	–	2'-1½		17'-4	
							TOTAL	#4	10,847
501 f	5	34	0'-7	4'-3	6'-3			17'-11	
502 f	3	34	0'-9	4'-3				5'-9	
							TOTAL	#5	840
605 f	1	12		28'-0				28'-0	415
1001 f	1	40		29'-0				29'-0	4,992
1401 f	4	26	2'-7	76'-3				78'-10	
1402 f	4	26	2'-7	74'-5				77'-0	
1403 f	4	26	2'-7	71'-10				74'-5	
1404 f	4	26	2'-7	70'-0				72'-7	
1405 f	1	32		22'-0				22'-0	
1406 f	4	32	2'-7	42'-7				45'-2	
							TOTAL	#14	76,800
							TOTAL REINF.		96,904
							CONC. f'c = 5000 P.S.I.		
							TOTAL PIER CONCRETE VOLUME		298.7 C.Y.
PIER NO. 10 & 10'									
401 f'	2	276	0'-8	6'-3	4'-3			22'-4	
402 f'	6	552	0'-8	4'-3	0'-8			5'-7	
403 f'	6	552	0'-8	6'-3	0'-8			7'-7	
404 f'	8	276	0'-8	2'-0		2'-1½		17'-4	
							TOTAL	#4	12,170
501 f'	5	34	0'-7	4'-3	6'-3			17'-11	
502 f'	3	34	0'-9	4'-3				5'-9	
							TOTAL	#5	840
605 f'	1	12		28'-0				28'-0	415
1001 f'	1	40		29'-0				29'-0	4,992
1401 f'	4	26	2'-7	88'-1				88'-8	
1402 f'	4	26	2'-7	82'-1				84'-8	
1403 f'	4	26	2'-7	80'-7				83'-2	
1404 f'	4	26	2'-7	78'-4				81'-11	
1405 f'	1	32		22'-0				22'-0	
1406 f'	1	32		47'-4				47'-4	
							TOTAL	#14	83,812
							TOTAL REINF.		102,229
							CONC. f'c = 5000 P.S.I.		
							TOTAL PIER CONCRETE VOLUME		330.2 C.Y.

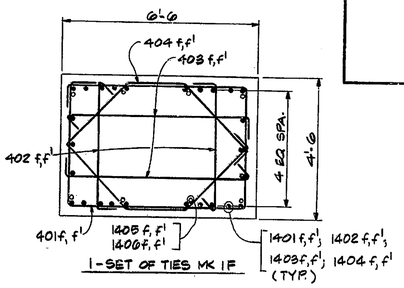


PIER 9 & 10

PIER 9' & 10'

PLAN

3/16" = 1'-0



1-SET OF TIES MK 1 F

SECTION A

12" = 1'-0

N.	REVISION	DATE

T. Y. LIN INTERNATIONAL
STRUCTURAL ENGINEERS

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

9-12-18-79

T. Y. LIN INTERNATIONAL REGISTERED No. 18256 STATE OF INDIANA PROFESSIONAL ENGINEER

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

SHEET TITLE

PIER No. 9 AND 10 E.B.L. AND W.B.L. COLUMN DETAILS

CLINE AVENUE EXTENSION OVER INDIANA HARBOR CANAL
BRIDGE FILE: 912-45-2548 CONTRACT NO. 3-11612
INDIANA STATE HIGHWAY COMMISSION

SHEET N.

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