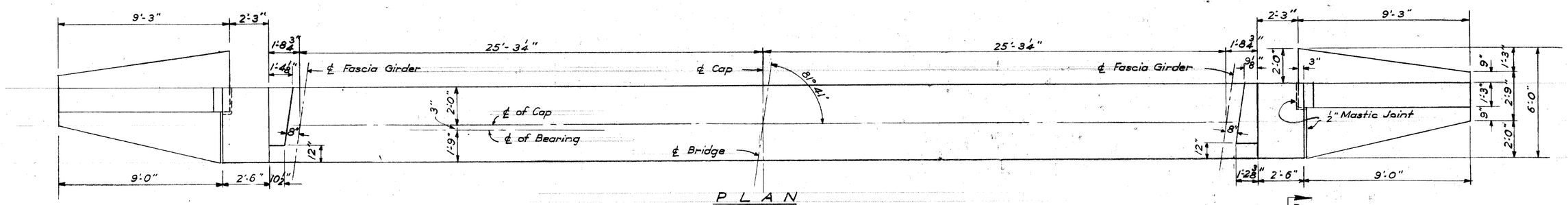
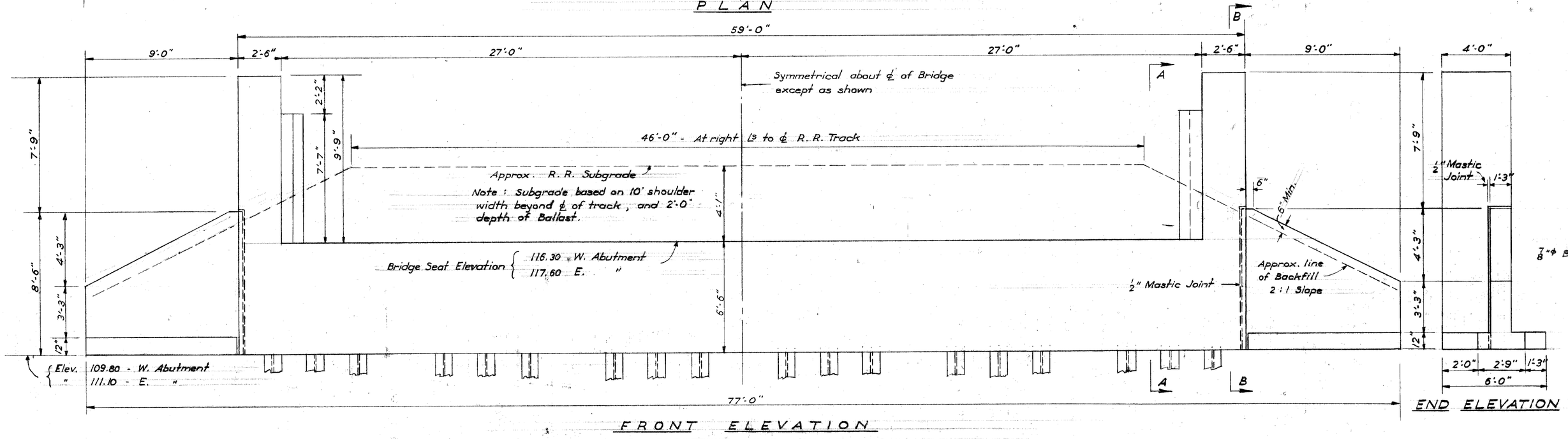


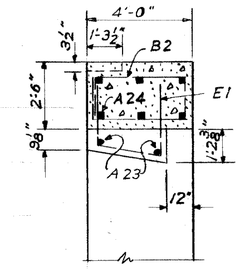
PLAN



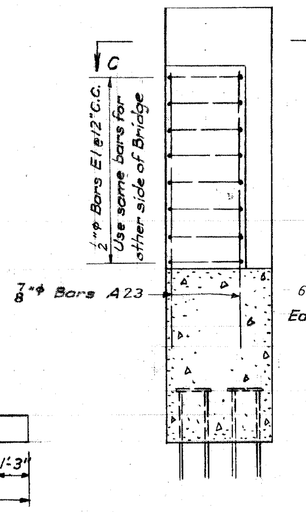
FRONT ELEVATION
ABUTMENT AND WING WALLS

END ELEVATION

Note: As shown for W. Abutment. E. Abutment similar except as noted, but opposite hand.

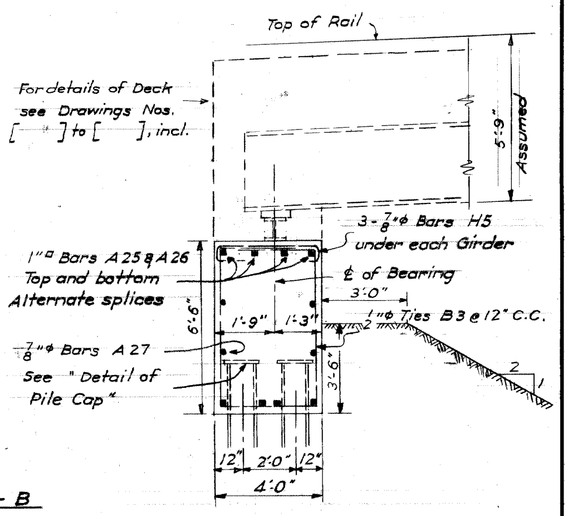


SECTION C-C

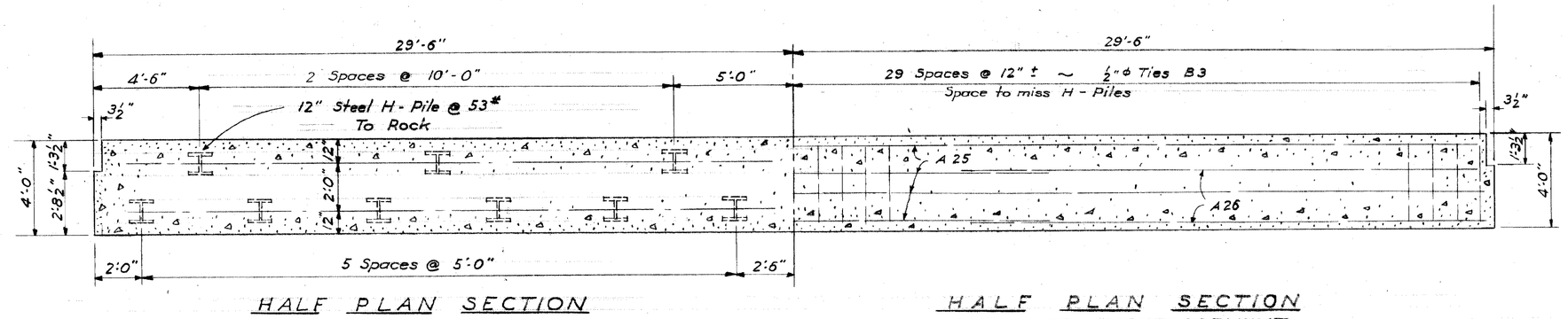


SECTION A-A

SECTION B-B

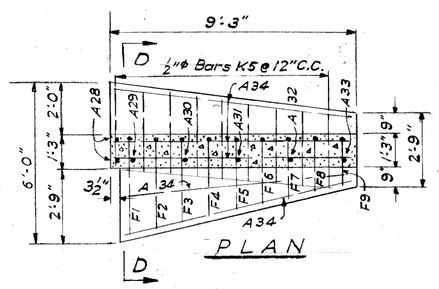


TYPICAL SECTION THROUGH CAP

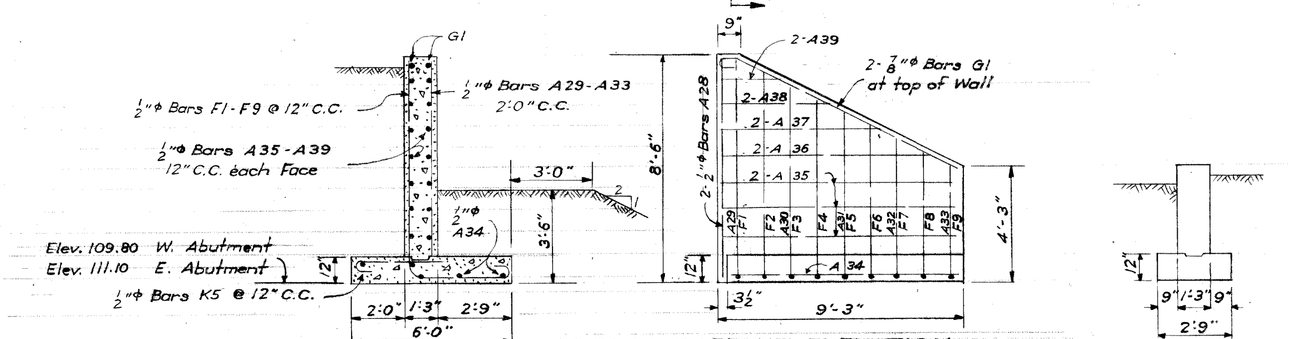


HALF PLAN SECTION SHOWING PILING

HALF PLAN SECTION SHOWING REINFORCEMENT



PLAN

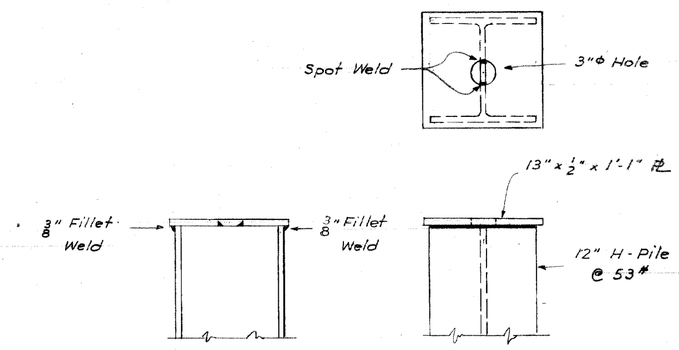


SECTION D-D

FRONT ELEVATION
Showing Reinforcement in rear face

END ELEVATION

DETAILS OF WING WALLS



DETAILS OF PILE CAP
Scale 1" = 1'-0"

BAR LIST

1 Abutment
Both Abutments identical

Mark	Size	No. Req'd.
A 23	⅞"ø	4
A 24	1"□	12
A 25	1"□	8
A 26	1"□	8
A 27	⅞"ø	8
A 28	½"ø	4
A 29	½"ø	2
A 30	½"ø	2
A 31	½"ø	2
A 32	½"ø	2
A 33	½"ø	2
A 34	½"ø	10
A 35	½"ø	12
A 36	½"ø	4
A 37	½"ø	4
A 38	½"ø	4
A 39	½"ø	4
B2	½"ø	20
B3	½"ø	59
E1	½"ø	16
F1	½"ø	2
F2	½"ø	2
F3	½"ø	2
F4	½"ø	2
F5	½"ø	2
F6	½"ø	2
F7	½"ø	2
F8	½"ø	2
F9	½"ø	2
G1	⅞"ø	4
H5	⅞"ø	33
K5	½"ø	18

	G						REFERENCE DRAWINGS	
	F							
	E							
	D							
	C							
	B							
NOTED BY	A	DESCRIPTION	DR'N	CK'D	APV'D	DATE		
		REVISIONS						

DESIGNED BY	O. H. Lexau
DRAWN BY	O. H. Lexau
TRACED BY	O. H. Lexau
CHECKED BY	

APPROVED:

ENGINEER OF

CITY ENGINEER

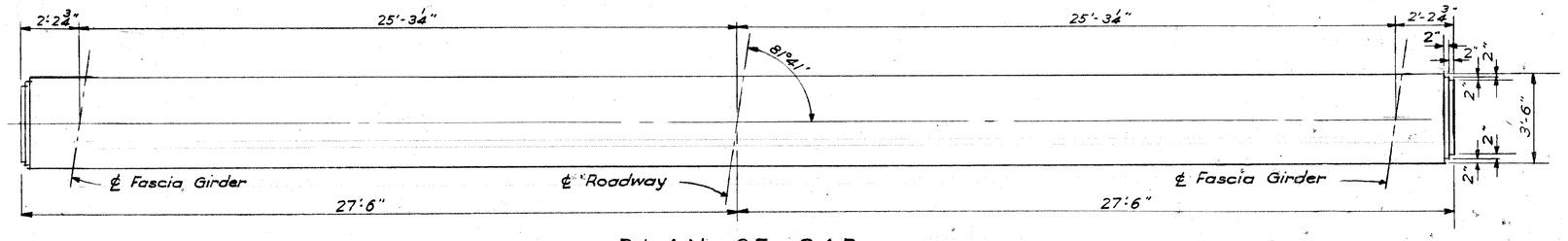
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
BUREAU OF DESIGN

GRADE SEPARATION PROJECT
LOMYO ROAD AND M.C.R.R. (N.Y.C.R.R.)
BRIDGE NO. 3
DETAILS OF ABUTMENTS
SCALE ¼"=1:0" except as shown.

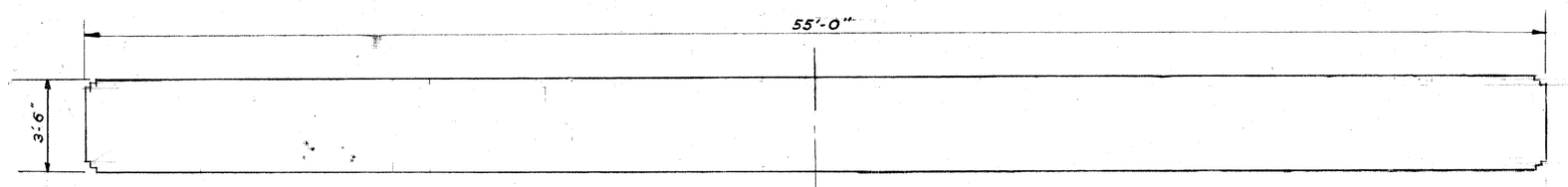
SHEET — OF — SHEETS
JOB No. 43
DRWG No. X-705
DATE

Drawn #1

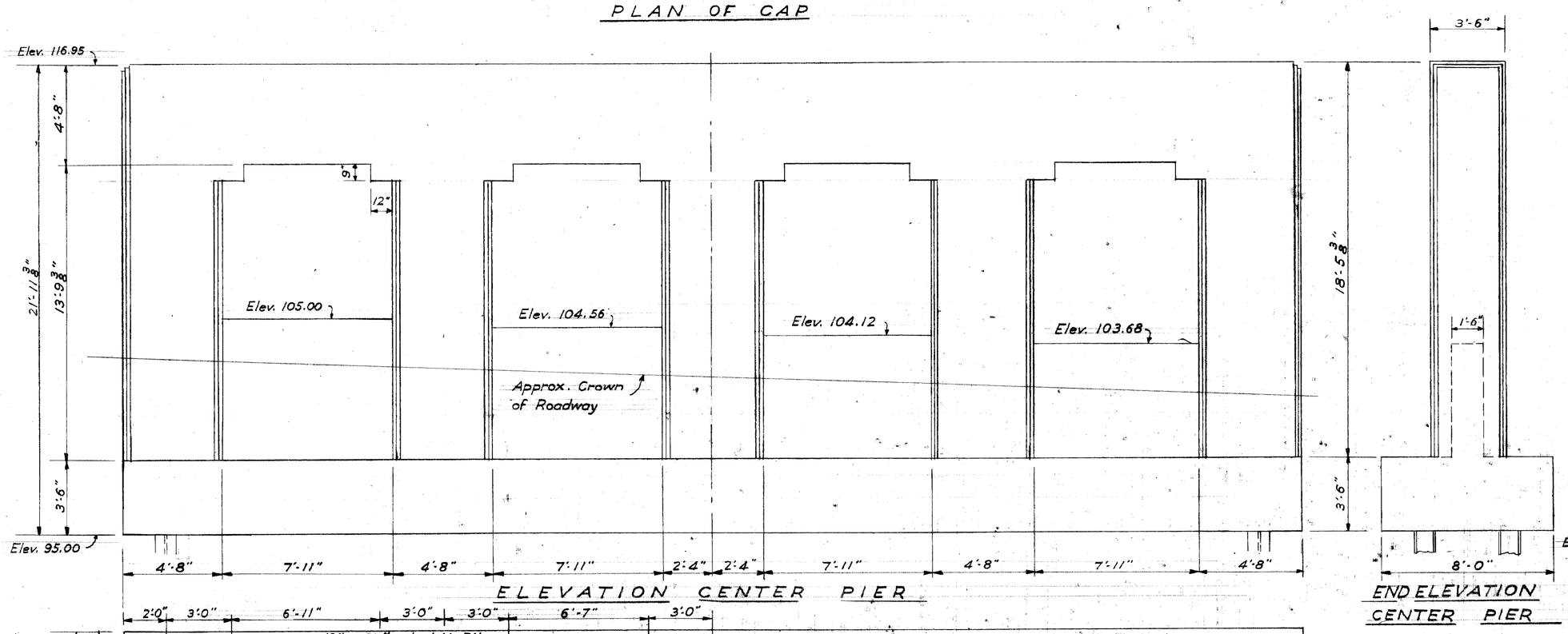
GS-RR-32 C-7



PLAN OF CAP

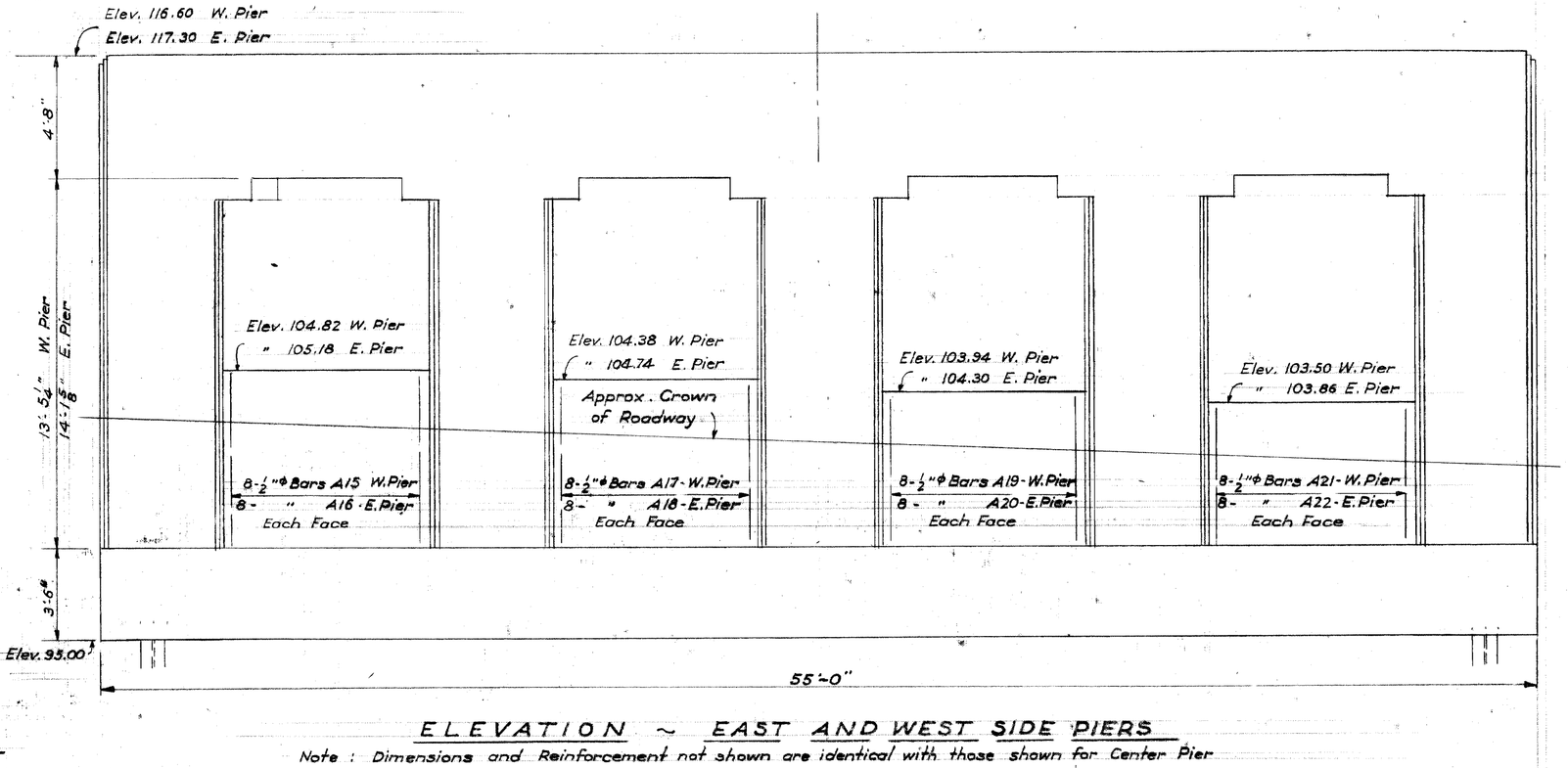


PLAN OF CAP



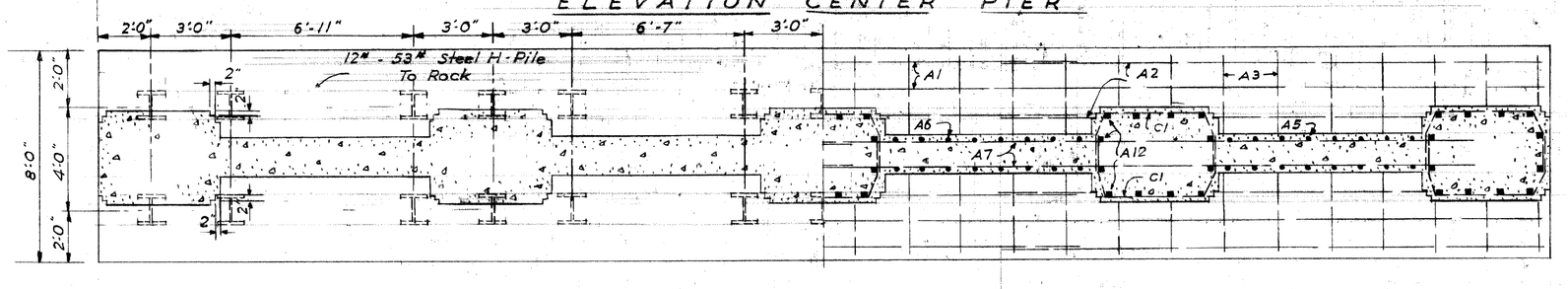
ELEVATION CENTER PIER

END ELEVATION CENTER PIER



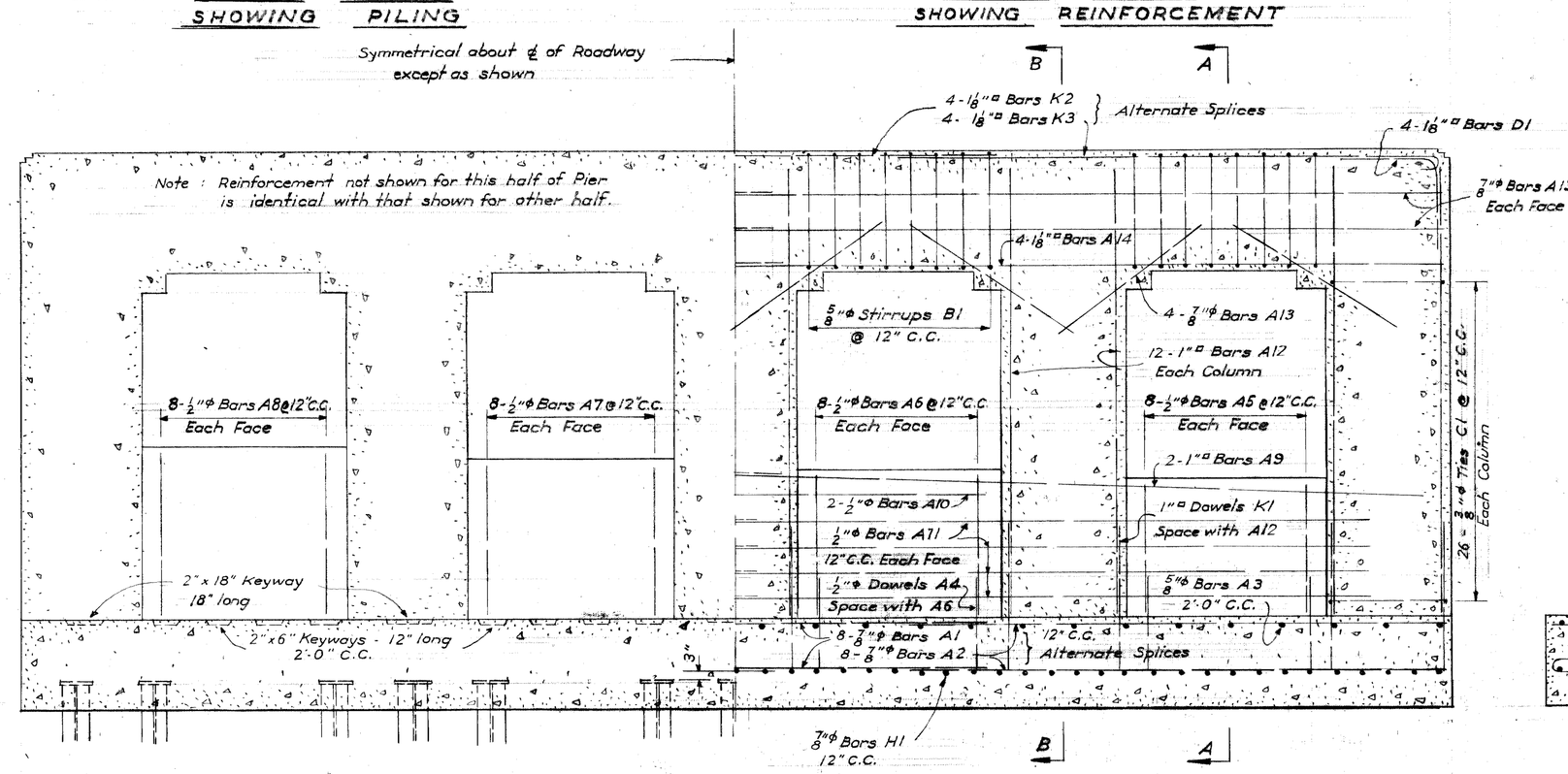
ELEVATION ~ EAST AND WEST SIDE PIERS

Note : Dimensions and Reinforcement not shown are identical with those shown for Center Pier

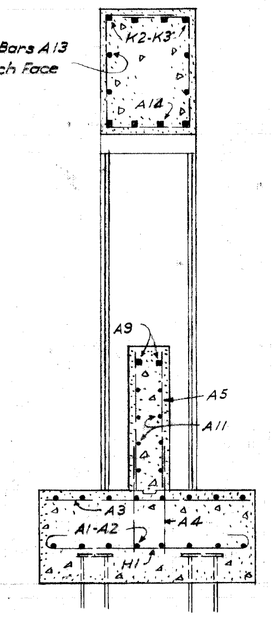


HALF PLAN SHOWING PILING

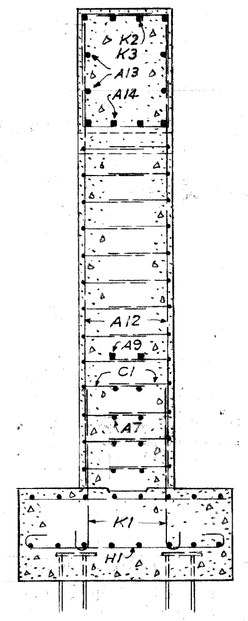
HALF PLAN SHOWING REINFORCEMENT



SECTION THROUGH CENTER PIER



SECTION A-A



SECTION B-B

BAR LIST

MARK	SIZE	No. Required W. Pier	Ctr. Pier	E. Pier
A1	⅞"φ	16	16	16
A2	⅞"φ	16	16	16
A3	⅝"φ	28	28	28
A4	½"φ	64	64	64
A5	½"φ		16	
A6	½"φ		16	
A7	½"φ		16	
A8	½"φ		16	
A9	1"□	4	4	4
A10	½"φ	2	2	2
A11	½"φ	16	16	16
A12	1"□	60	60	60
A13	⅞"φ	48	48	48
A14	1⅛"□	8	8	8
A15	½"φ	16		
A16	½"φ			16
A17	½"φ	16		
A18	½"φ			16
A19	½"φ	16		
A20	½"φ			16
A21	½"φ	16		
A22	½"φ			16
B1	⅝"φ	32	32	32
C1	⅜"φ	130	130	130
D1	1⅛"□	8	8	8
H1	⅞"φ	55	55	55
K1	1"□	60	60	60
K2	1⅛"□	4	4	4
K3	1⅛"□	4	4	4

NOTED BY	DESCRIPTION	DR'N	CK'D	APV'D	DATE
G					
F					
E					
D					
C					
B					
A					

REVISIONS

REFERENCE DRAWINGS

DESIGNED BY O. H. Lexau
DRAWN BY O. H. Lexau
TRACED BY O. H. Lexau
CHECKED BY

APPROVED:

ENGINEER OF

CITY ENGINEER

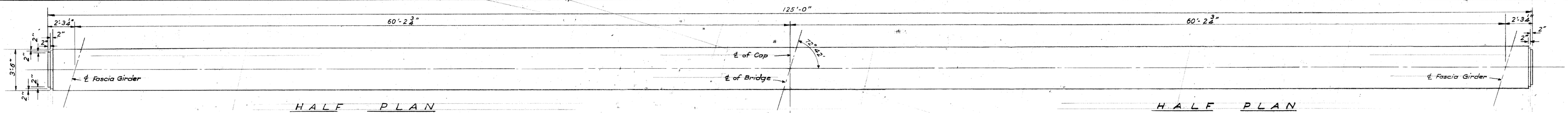
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
BUREAU OF DESIGN

GRADE SEPARATION PROJECT
LOMYO ROAD AND M.C.R.R. (N.Y.C.R.R.)
DETAILS OF PIERS
BRIDGE NO. 3
SCALE ¼" = 1'-0"

SHEET ___ OF ___ SHEETS
JOB No. 43
DRWG No. X-706
DATE

Drawn #1 GS-RR-32 C-8

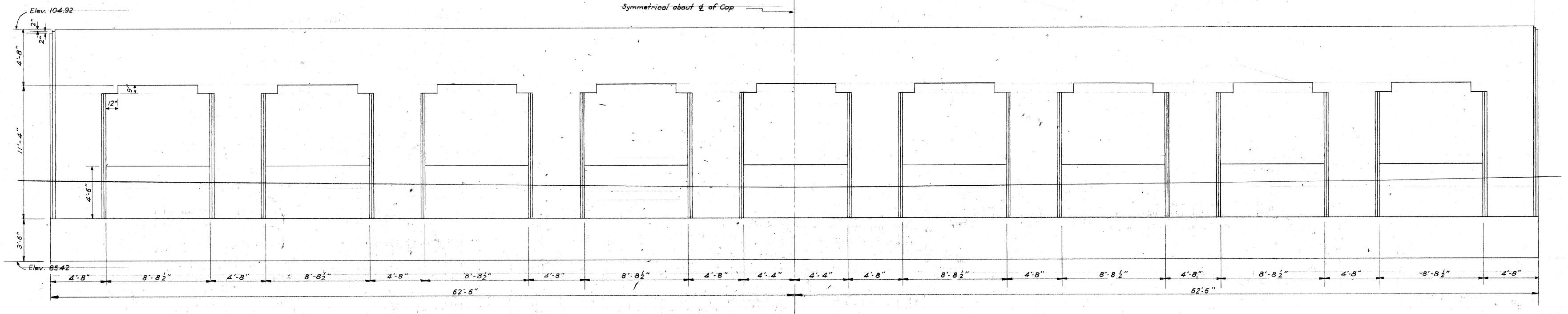
200 1-30-48 P.



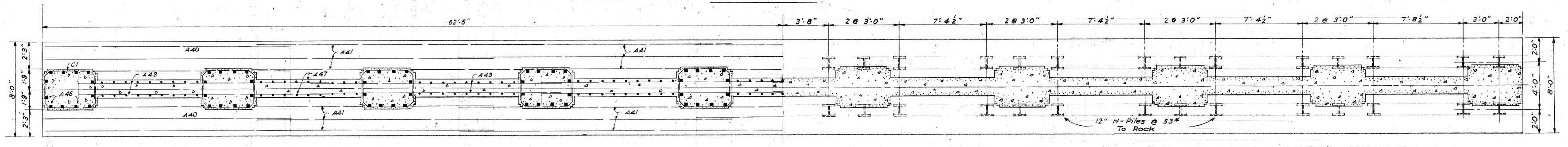
HALF PLAN CENTER PIER

Note : All Piers identical except as shown

HALF PLAN SIDE PIERS

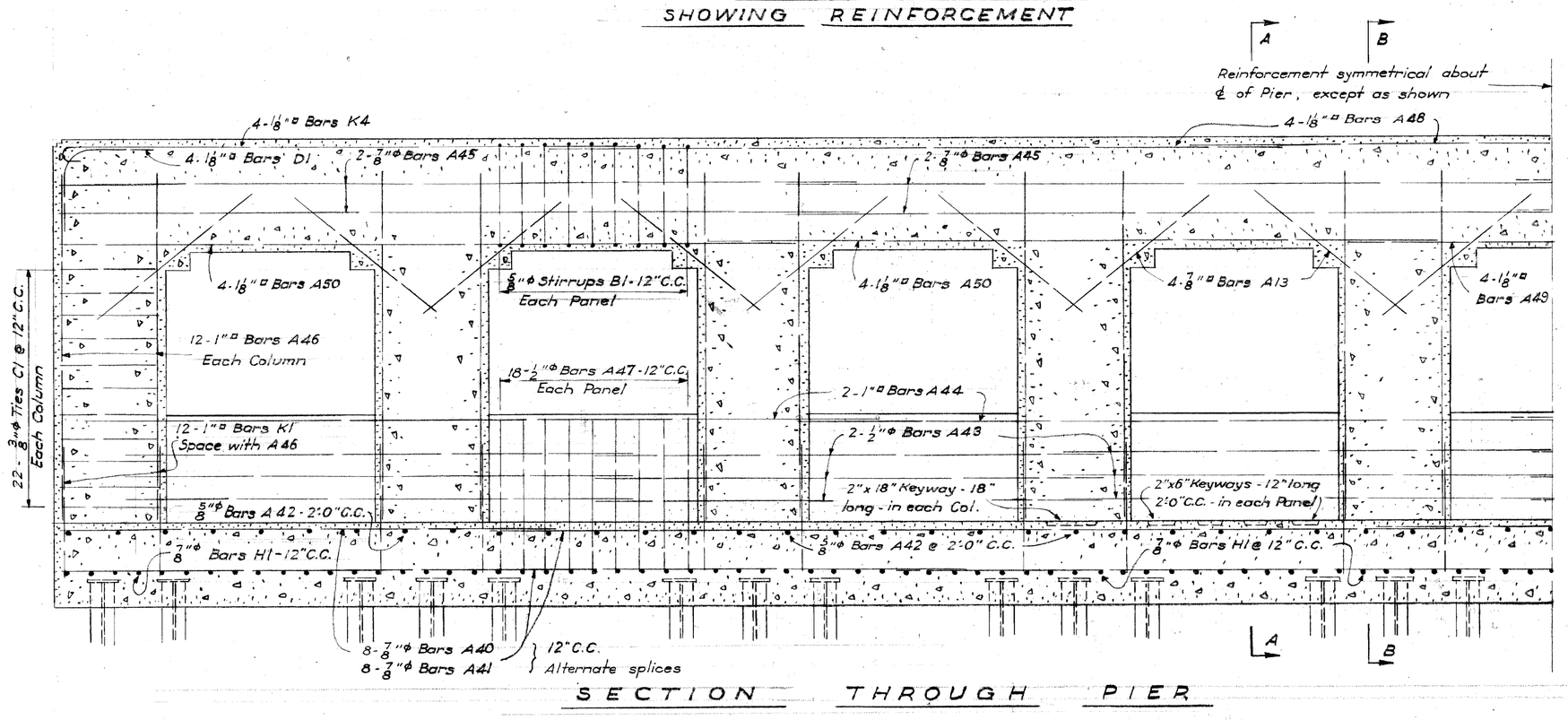


ELEVATION

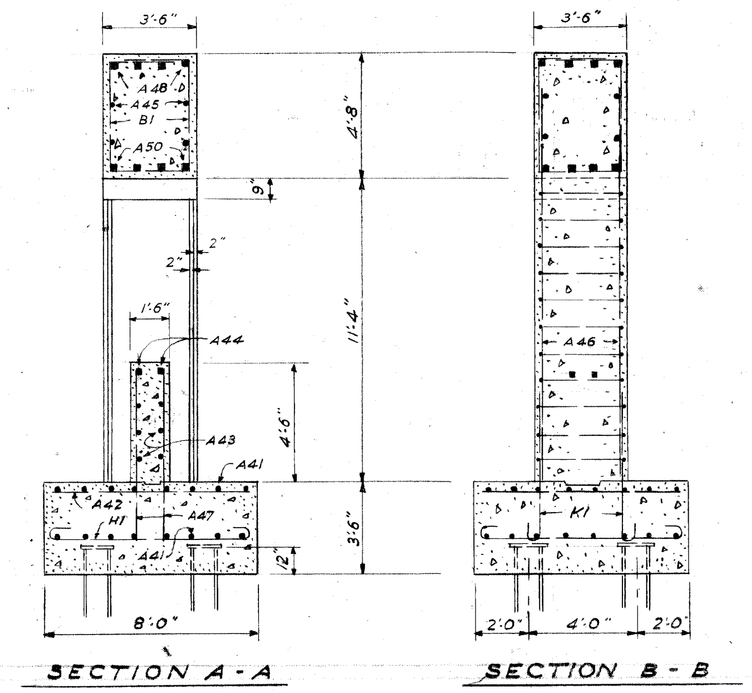


HALF PLAN SECTION SHOWING REINFORCEMENT

HALF PLAN SECTION SHOWING PILING



SECTION THROUGH PIER



SECTION A-A

SECTION B-B

BAR LIST

1 Pier

All Piers identical

Mark	Size	No. Req'd
A13	½"φ	220
A40	⅞"φ	16
A41	⅞"φ	48
A42	⅝"φ	63
A43	½"φ	36
A44	1"□	8
A45	⅞"φ	16
A46	1"□	120
A47	½"φ	324
A48	1⅛"□	16
A49	1⅛"□	4
A50	1⅛"□	16
B1	⅝"φ	81
D1	1⅛"□	8
H1	⅞"φ	125
K1	1"□	120
K4	1⅛"□	8

G						
F						
E						
D						
C						
B						
A						
NOTED BY	DESCRIPTION	DR'N	CK'D	AP'VD	DATE	
	REVISIONS					

REFERENCE DRAWINGS

DESIGNED BY

DRAWN BY

TRACED BY

CHECKED BY

APPROVED:

ENGINEER OF

CITY ENGINEER

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
BUREAU OF DESIGN

GRADE SEPARATION PROJECT
LOMYO ROAD & M.C.R.R (N.Y.C.R.R.)
MAIN LINE BRIDGE
DETAILS OF PIERS

SCALE ¼"=1'-0" except as shown

SHEET ___ OF ___ SHEETS

JOB No. 43

DRWG No. X-707

DATE

Drawn #1

GS-RR-32 C-9