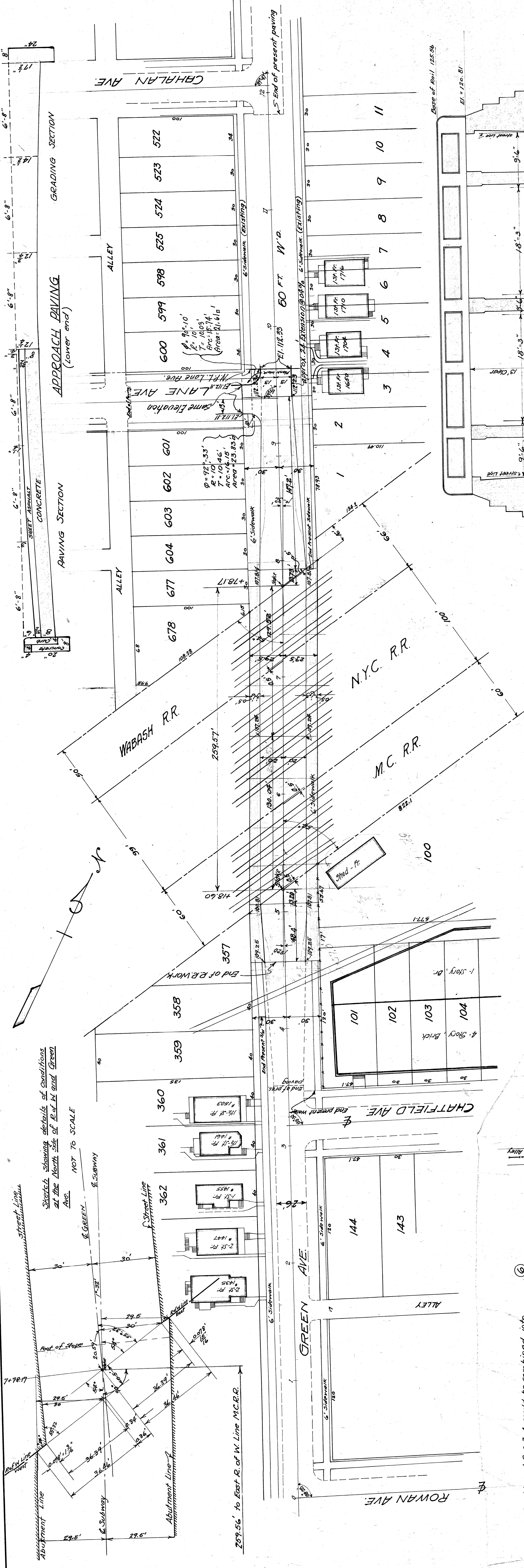
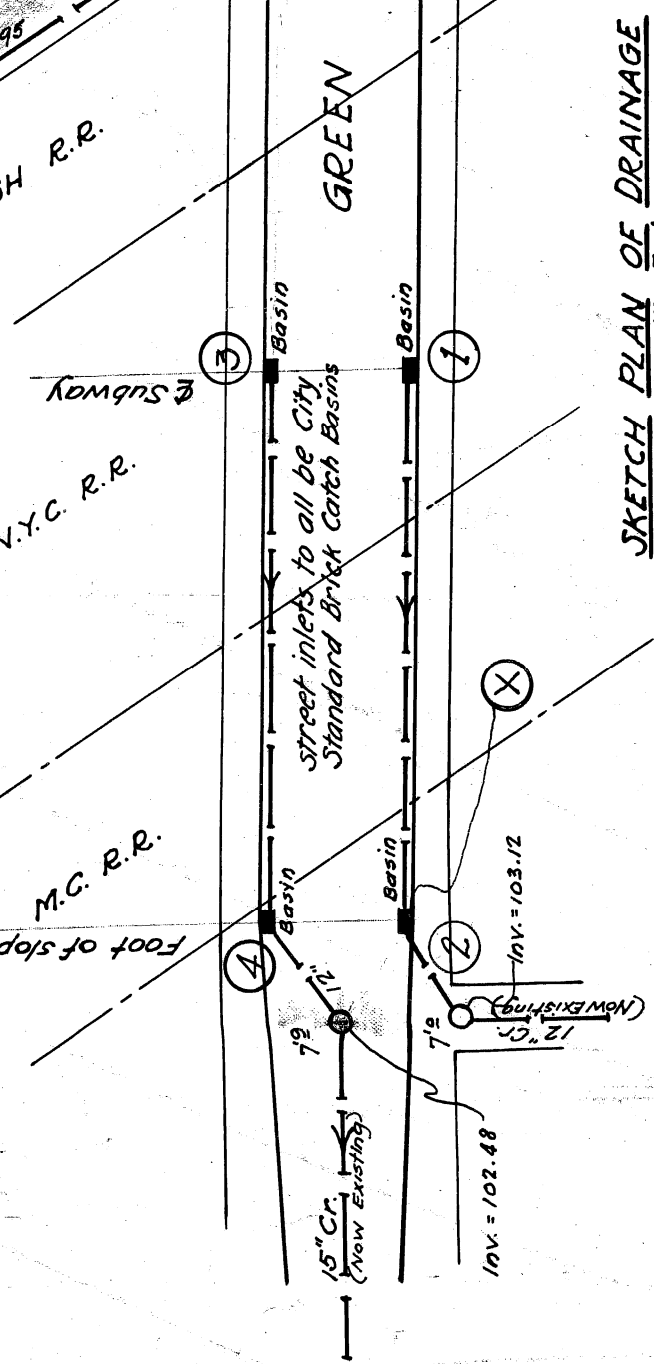


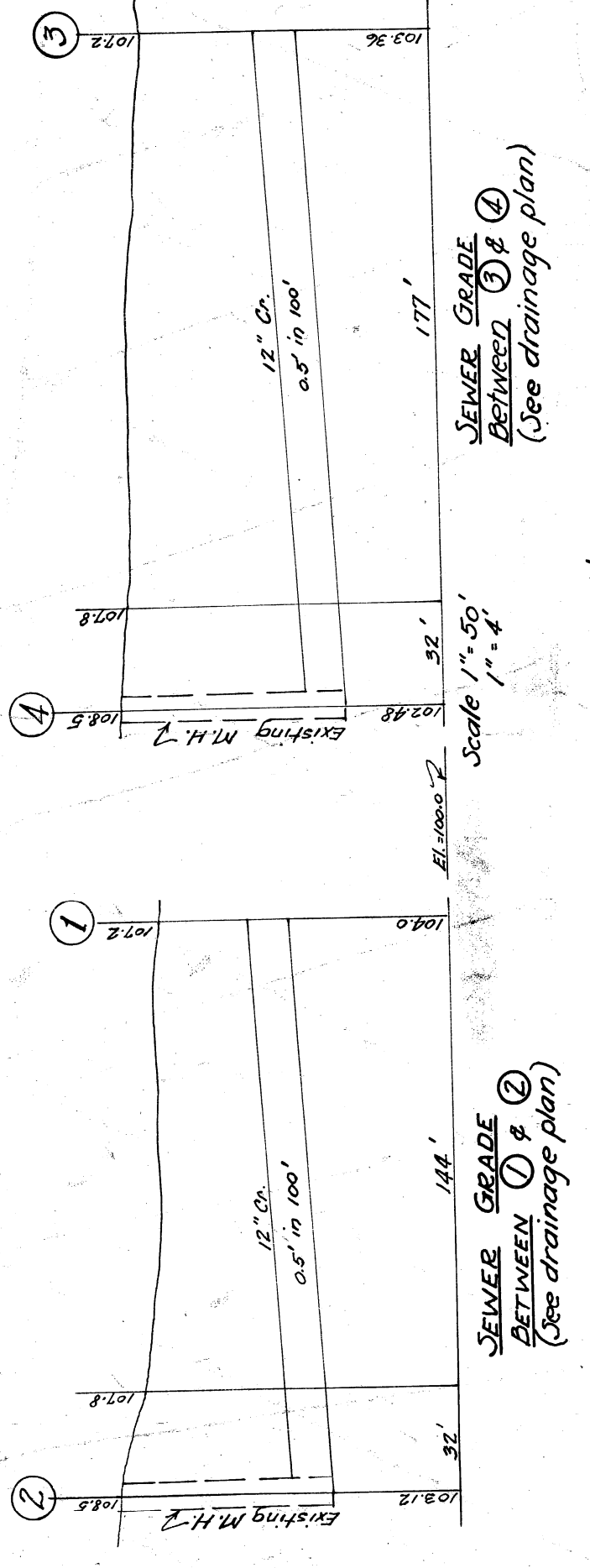
40' ASPHALT ROADWAY



NOTE: Lines 1-2 & 3-4 could be combined into one line 3-1-2 and at point 3 to divide the flow by connecting point 3 to points 2 & 4.

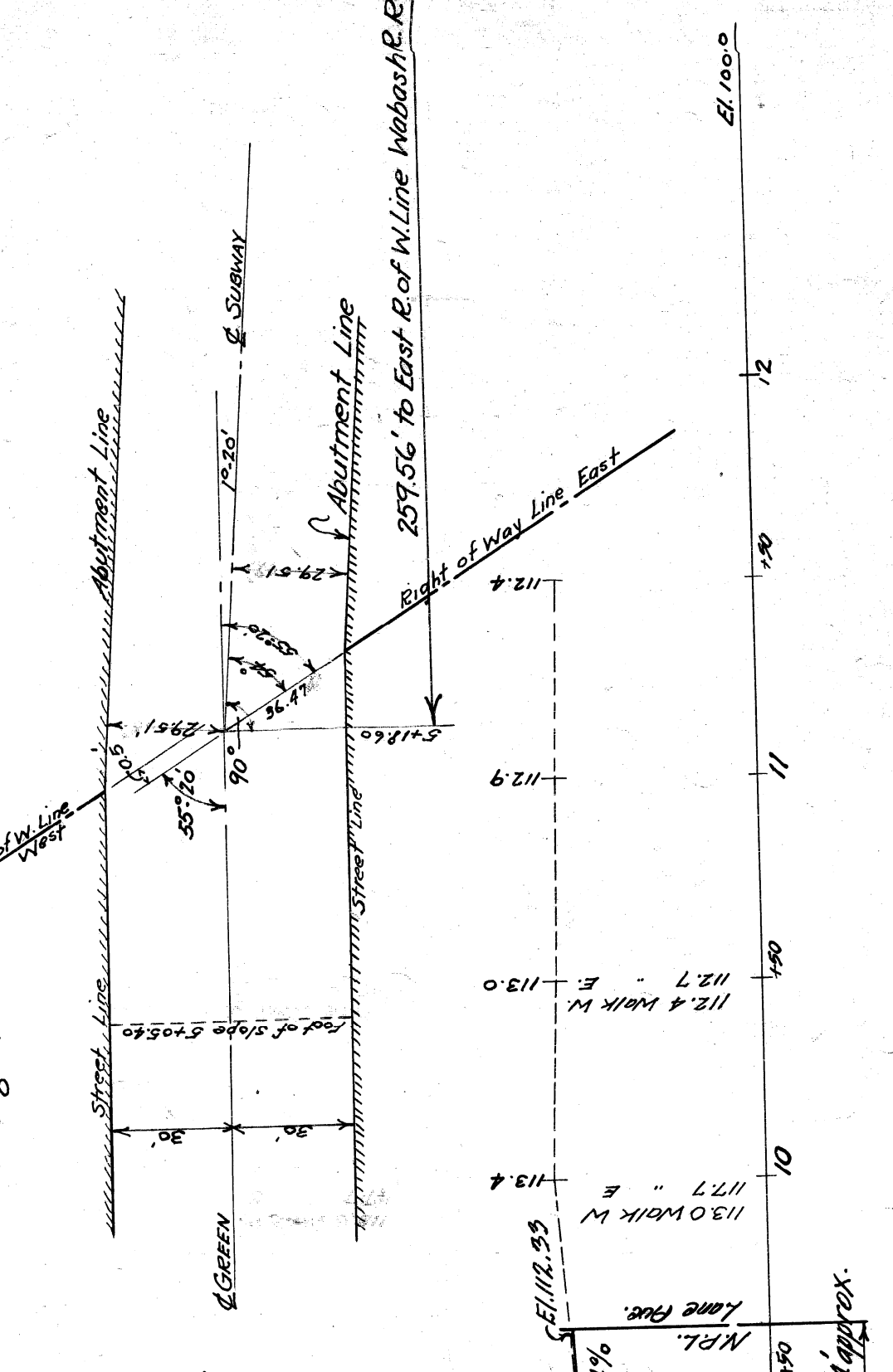


SKETCH PLAN OF DRAINAGE  
Scale 1" = 50'

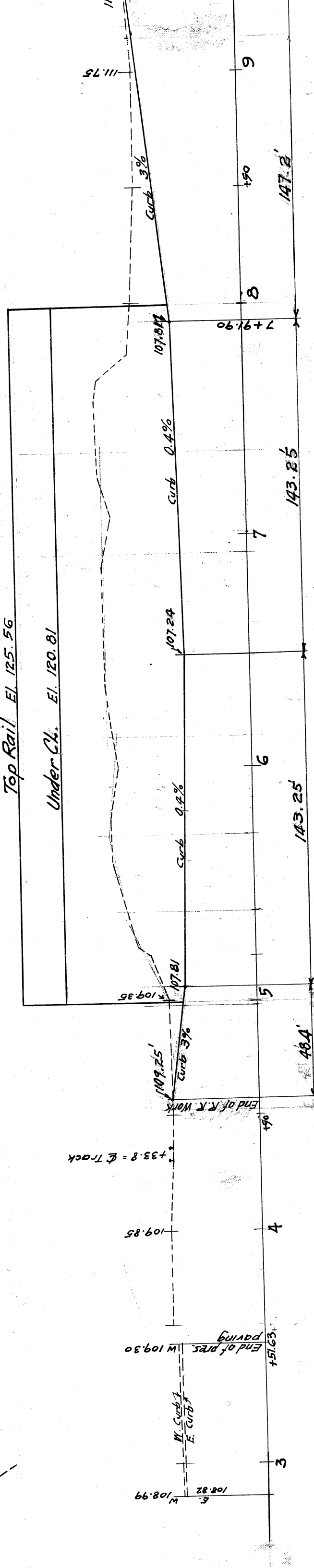


SEWER GRADE BETWEEN 1 & 2 AND BETWEEN 3 & 4  
(See drainage plan)  
Scale 1" = 4'

SECTIONAL ELEVATION OF SUBWAY  
Scale 3/8" = 1'-0"

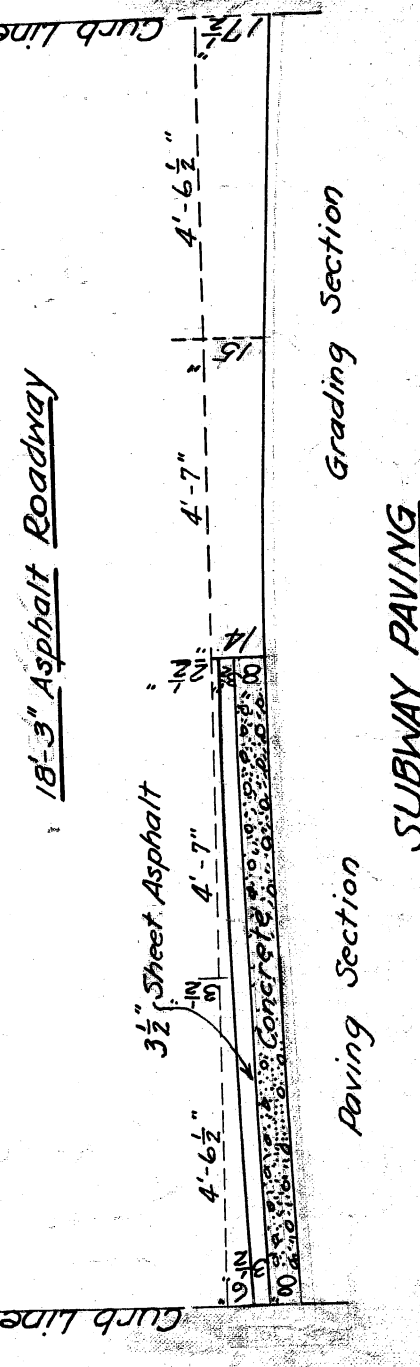


ELEVATION



SEWER GRADE BETWEEN 1 & 2 AND BETWEEN 3 & 4  
(See drainage plan)  
Scale 1" = 50'

NOTE: Paving sections between ends of subway and present pavement ends to be proportional.



Paving Section

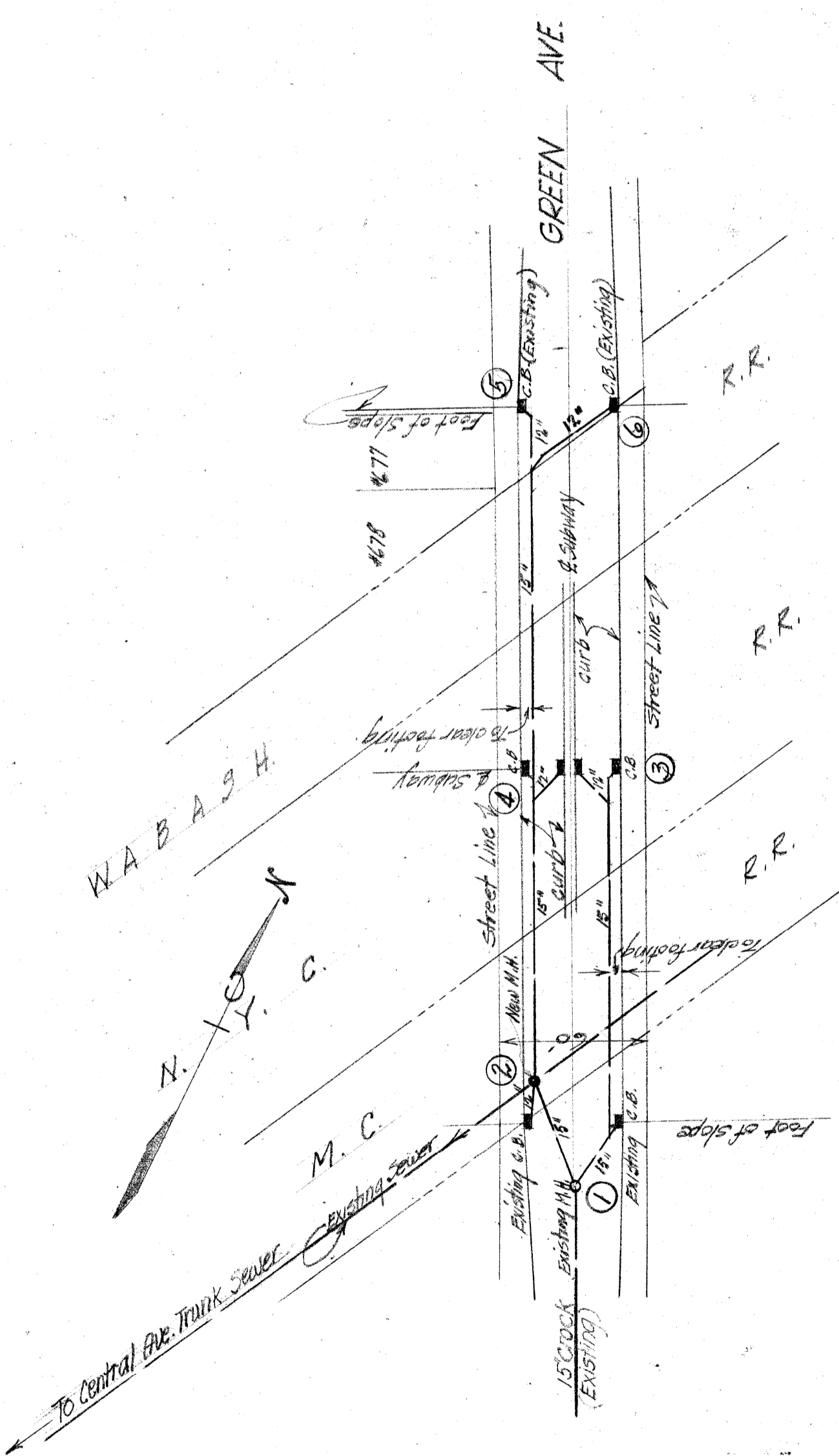
Grading Section

Grading Section

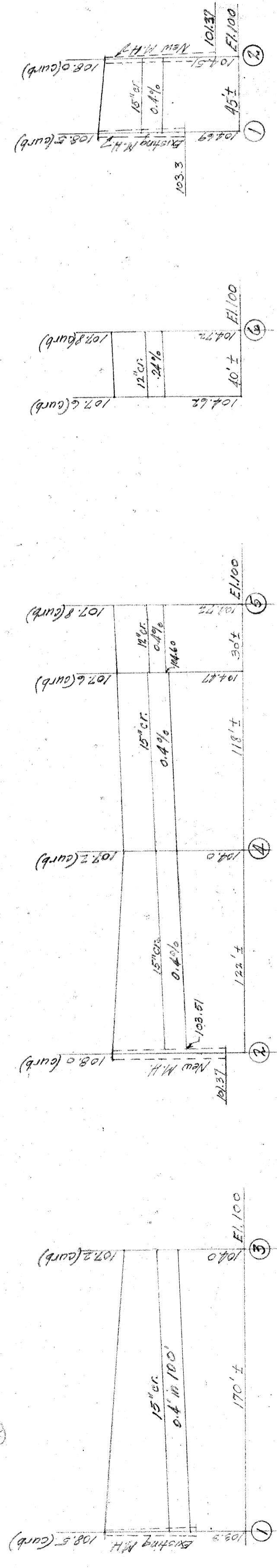
Grading Section

APPROVED Oct. 30<sup>th</sup> 1924  
 CITY ENGINEER  
 DEPARTMENT OF PUBLIC WORKS  
 CITY ENGINEERS OFFICE  
 DEPARTMENT OF GRADE SEPARATION & BRIDGES  
 CHIEF ENGINEER M.E.R.R.  
 GREEN AVE.

Scales: Hor. 1" = 40'  
 Ver. 1" = 10'  
 May, 1923  
 Made by AM.



PLAN  
1" = 50'



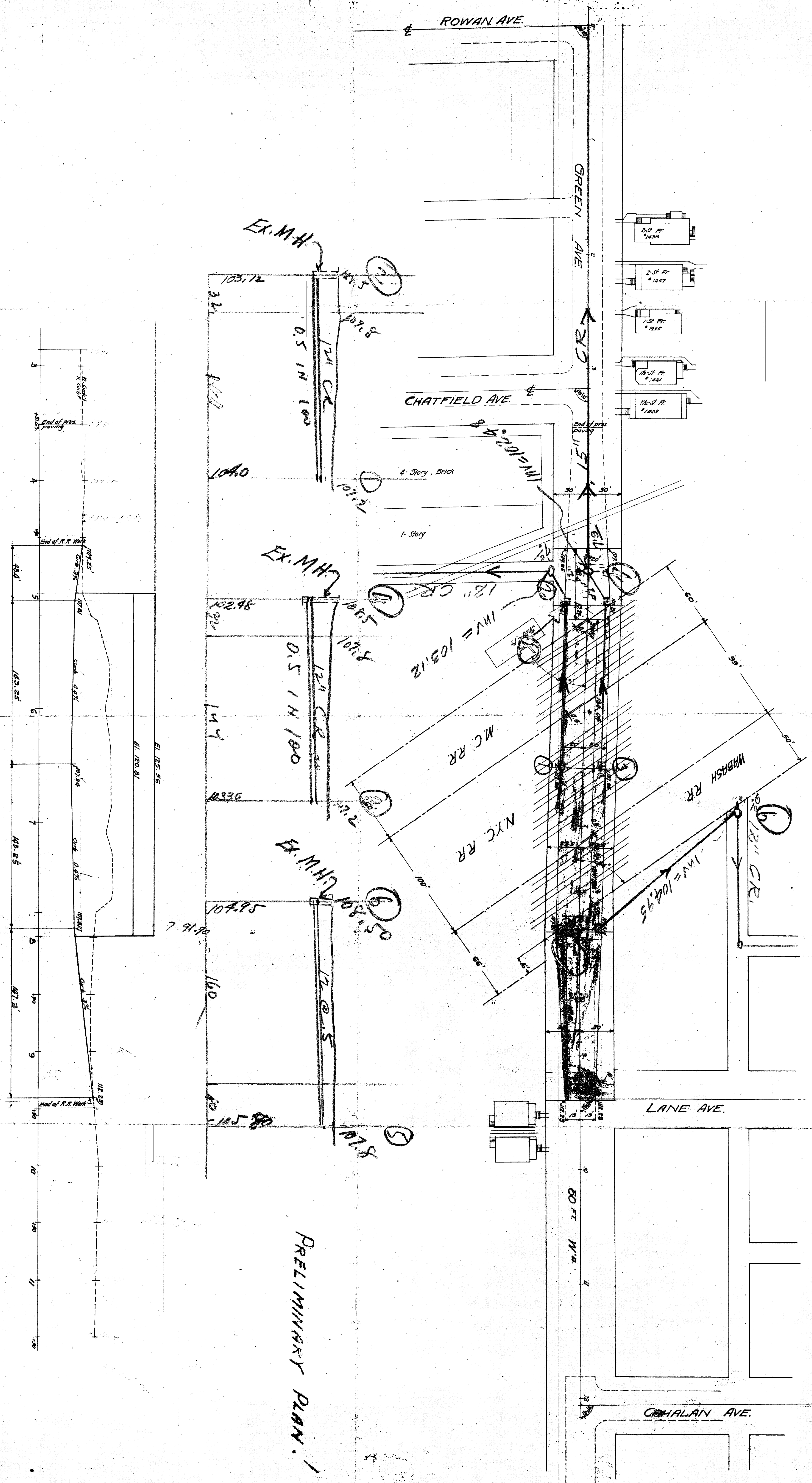
SEWER GRADES  
HOR. 1" = 50'  
VER. 1" = 5'

APPROVED Aug 6<sup>th</sup> 1924  
George Jerome  
CITY ENGINEER

CITY OF DETROIT  
DEPARTMENT OF PUBLIC WORKS  
CITY ENGINEER'S OFFICE  
DEPARTMENT OF GRADE SEPARATION & BRIDGES  
GREEN AVE.

DRAINAGE PLAN -- SUBWAY  
Scales July 1924  
As Noted

NOTE: LINES 1-2 & 3-4 COULD BE COMBINED INTO ONE LINE 3-1/2 AND AT POINT 8 TO DIVIDE THE FLOW BY CONNECTING POINT 8 TO POINTS 2 & 8 & 4

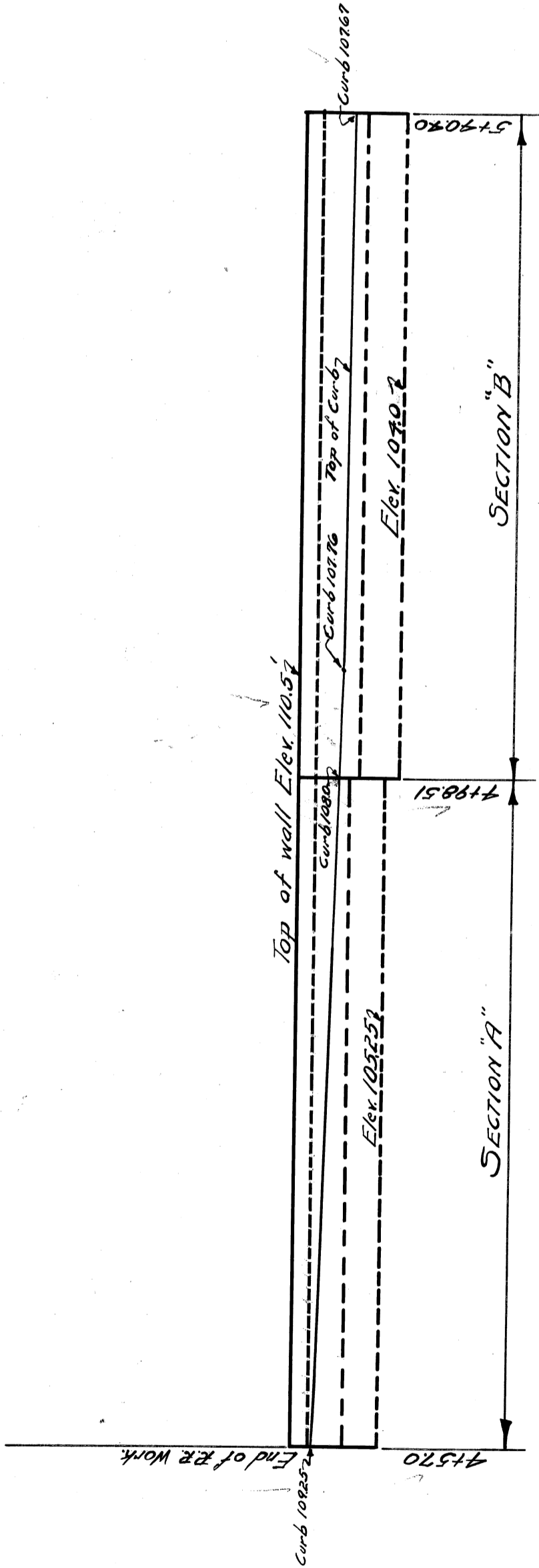
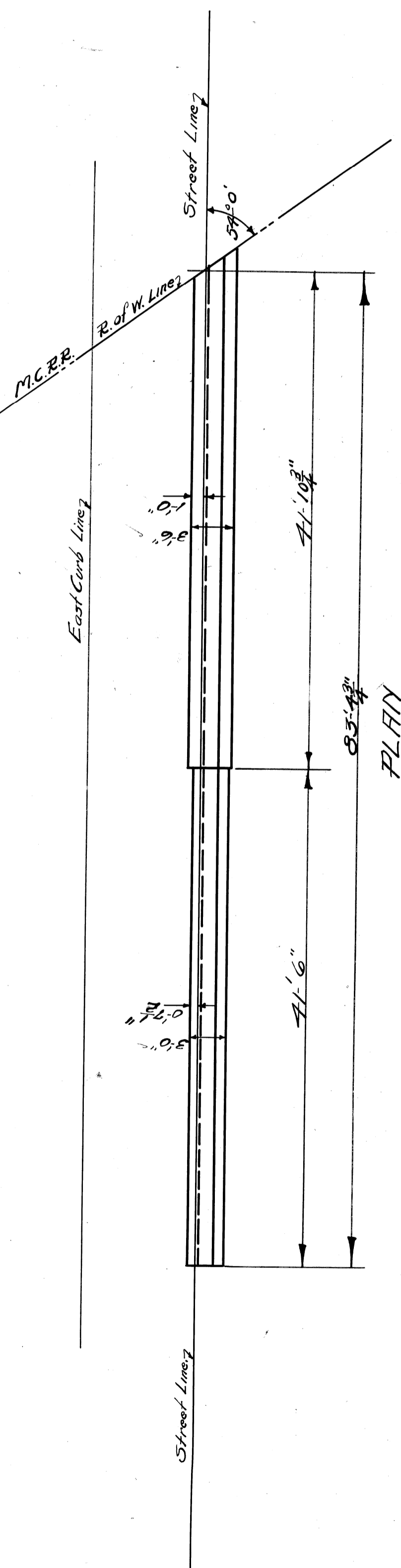
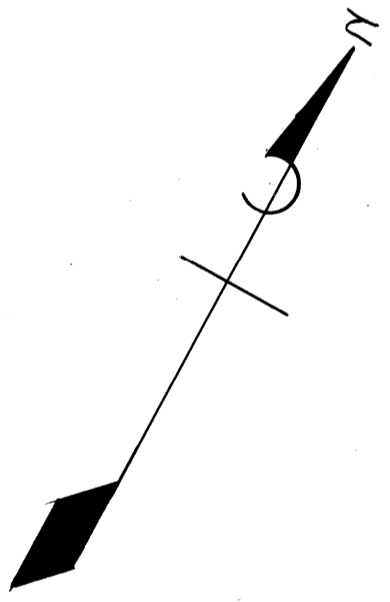


PRELIMINARY PLAN

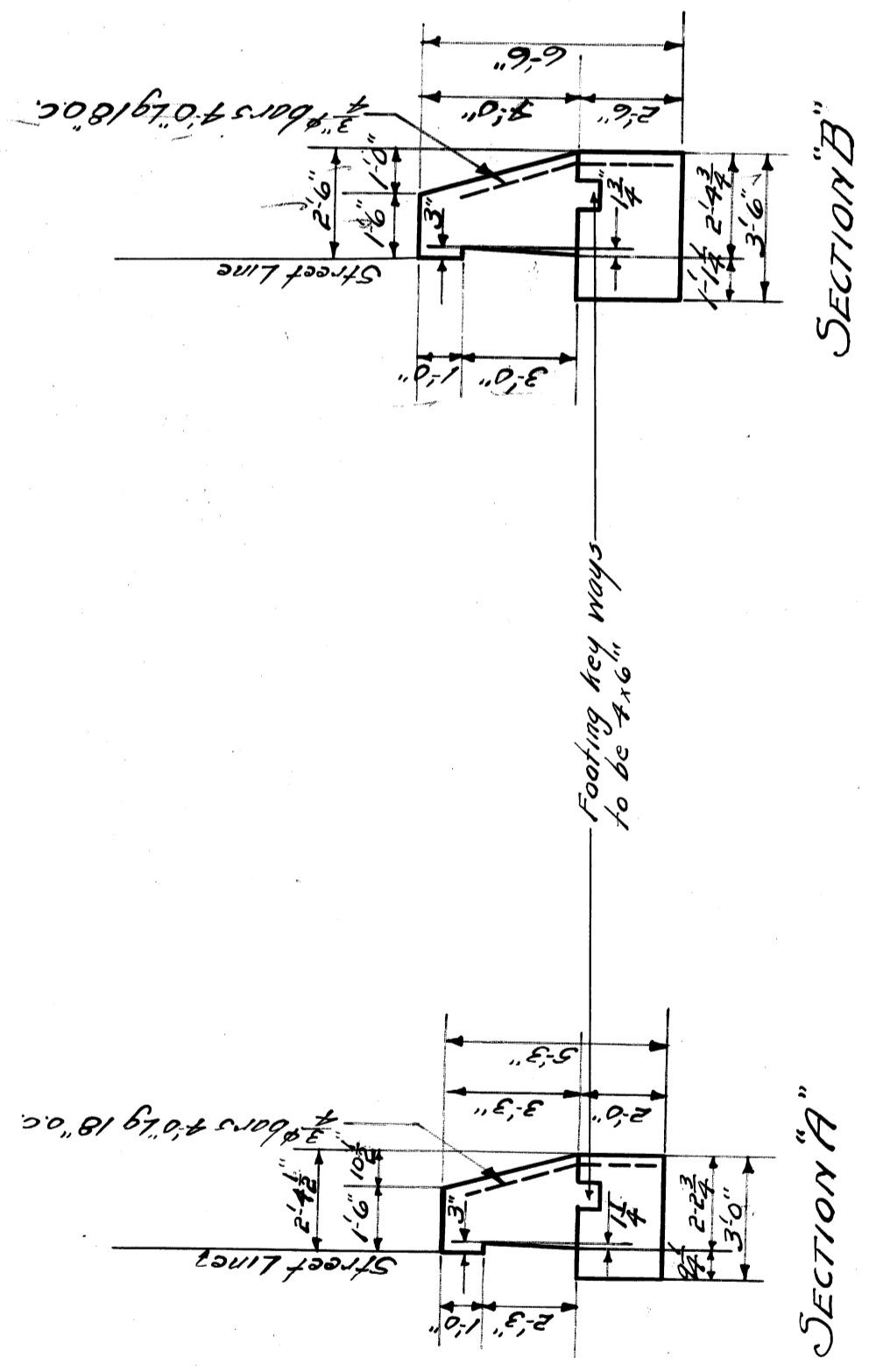
CITY OF DETROIT  
 DEPARTMENT OF PUBLIC WORKS  
 DIVISION OF CONSTRUCTION & PLANNING  
 GREEN AVE

MAY 23, 23

FILE X135-3

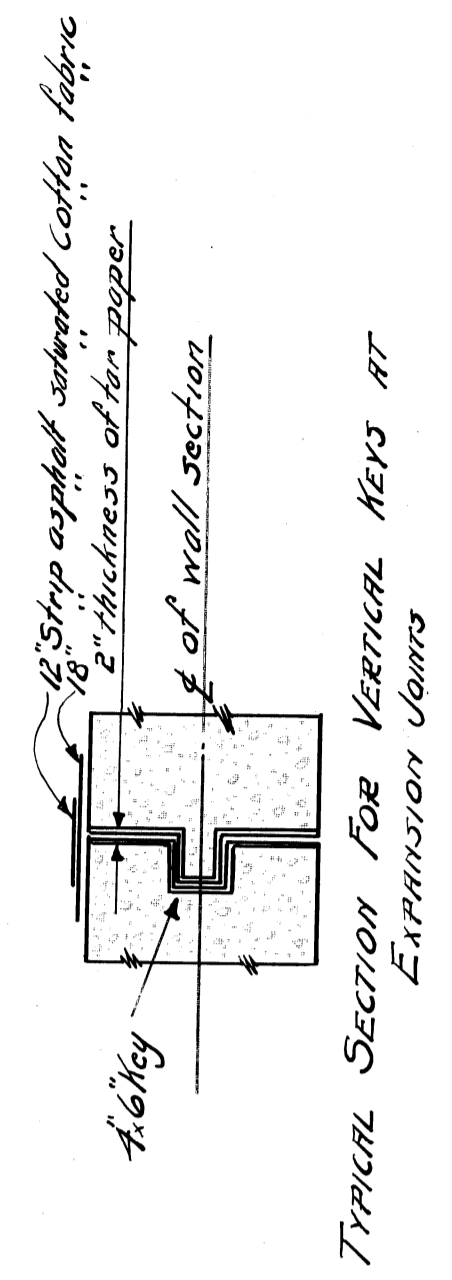
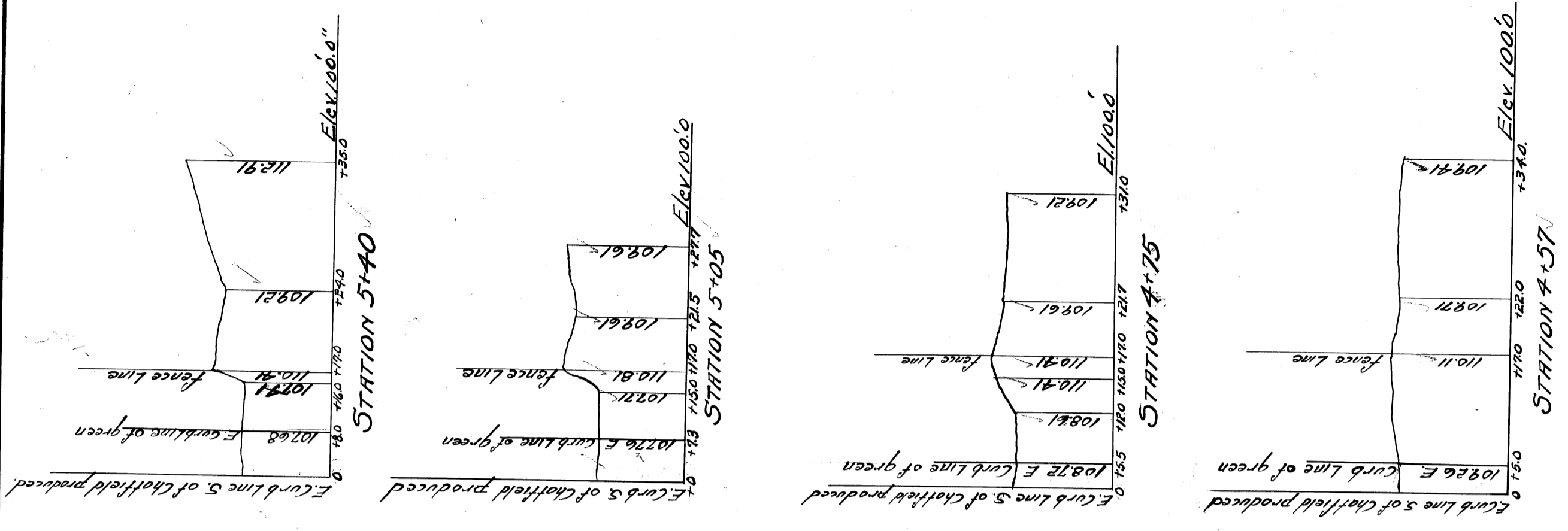


ELEVATION



QUANTITIES  
 CONCRETE 44 Cu. Yds.  
 REINFORCING STEEL 334 LBS

NOTES  
 ALL CONCRETE MIX 1:2:4.  
 BACK OF WALLS TO RECEIVE TWO  
 BRUSH COATS OF ASPHALT WATERPROOFING.  
 FENCE POSTS TO BE CONCRETED INTO WALL.



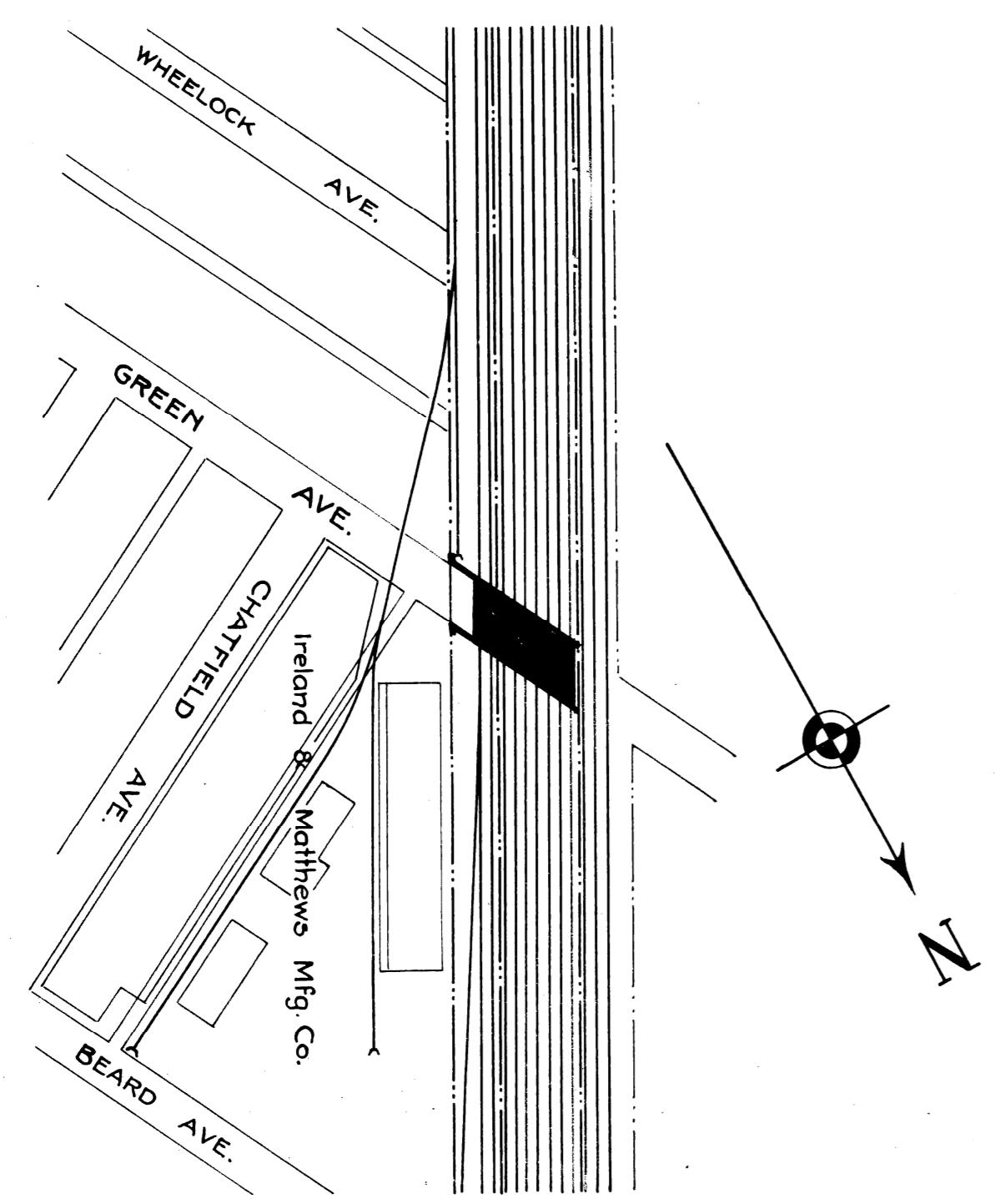
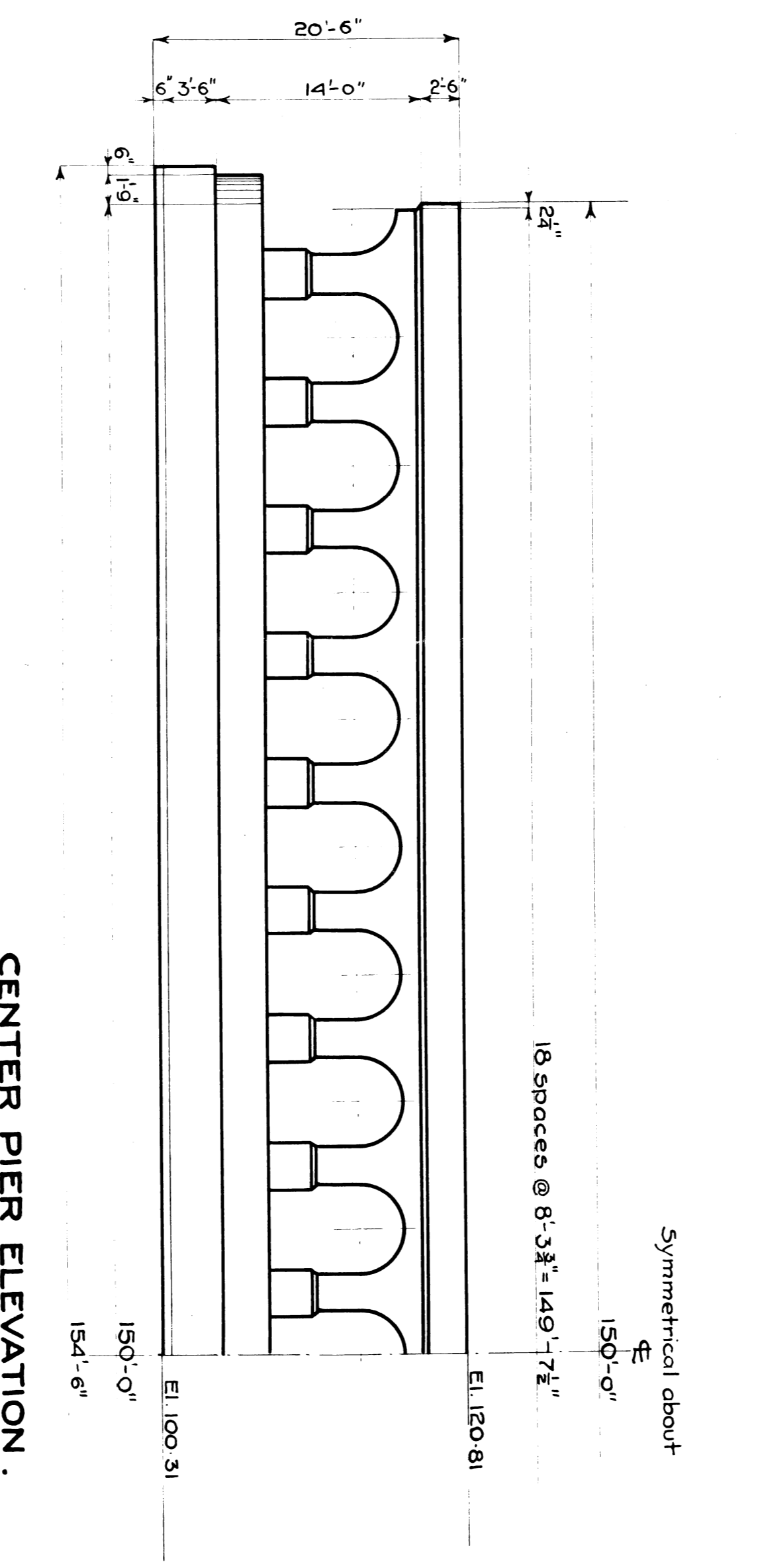
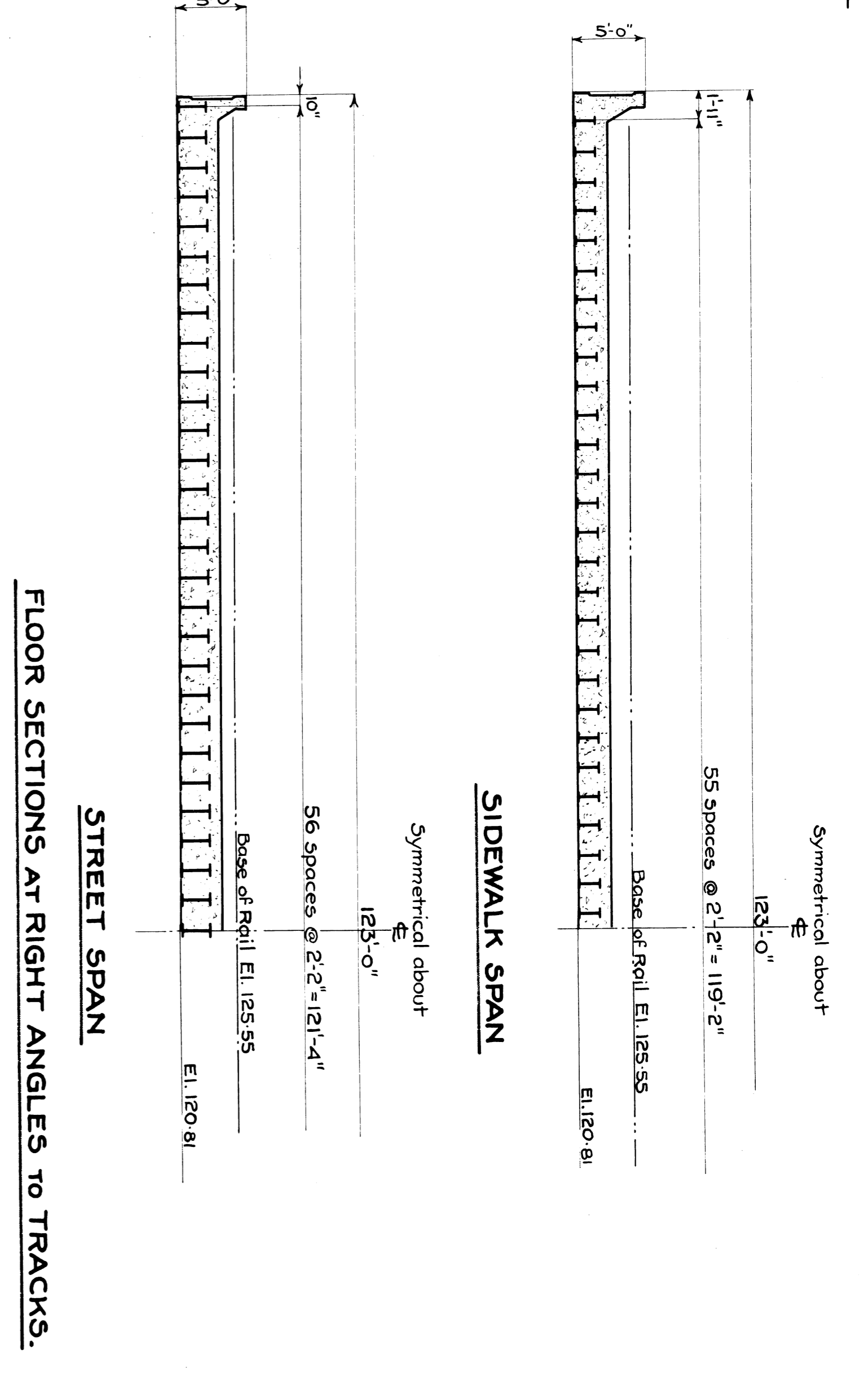
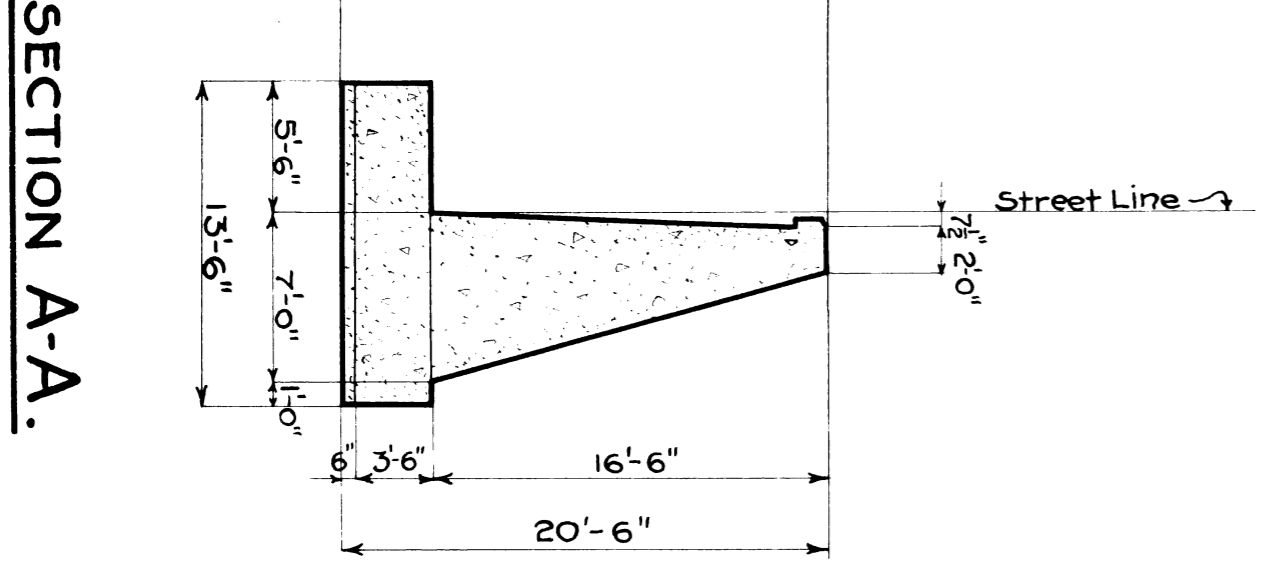
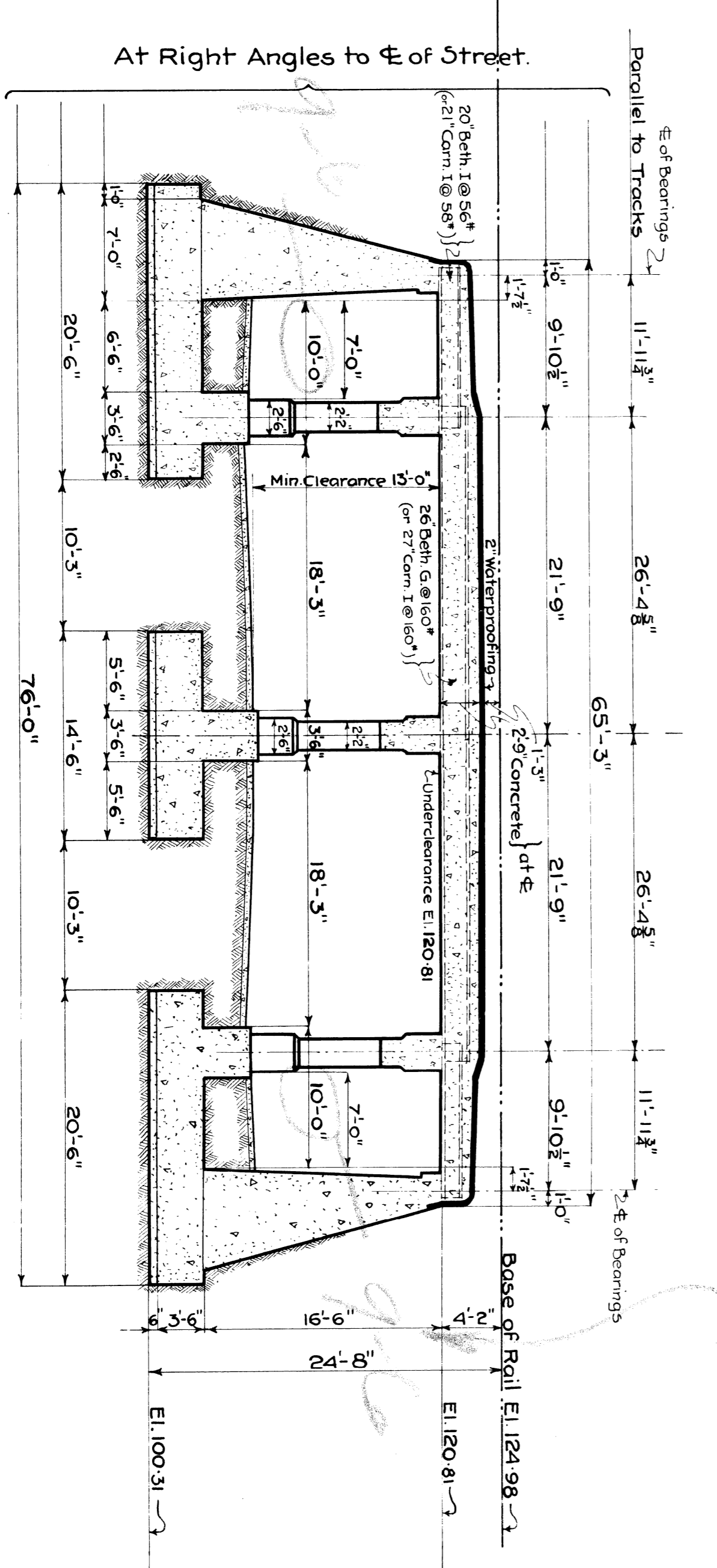
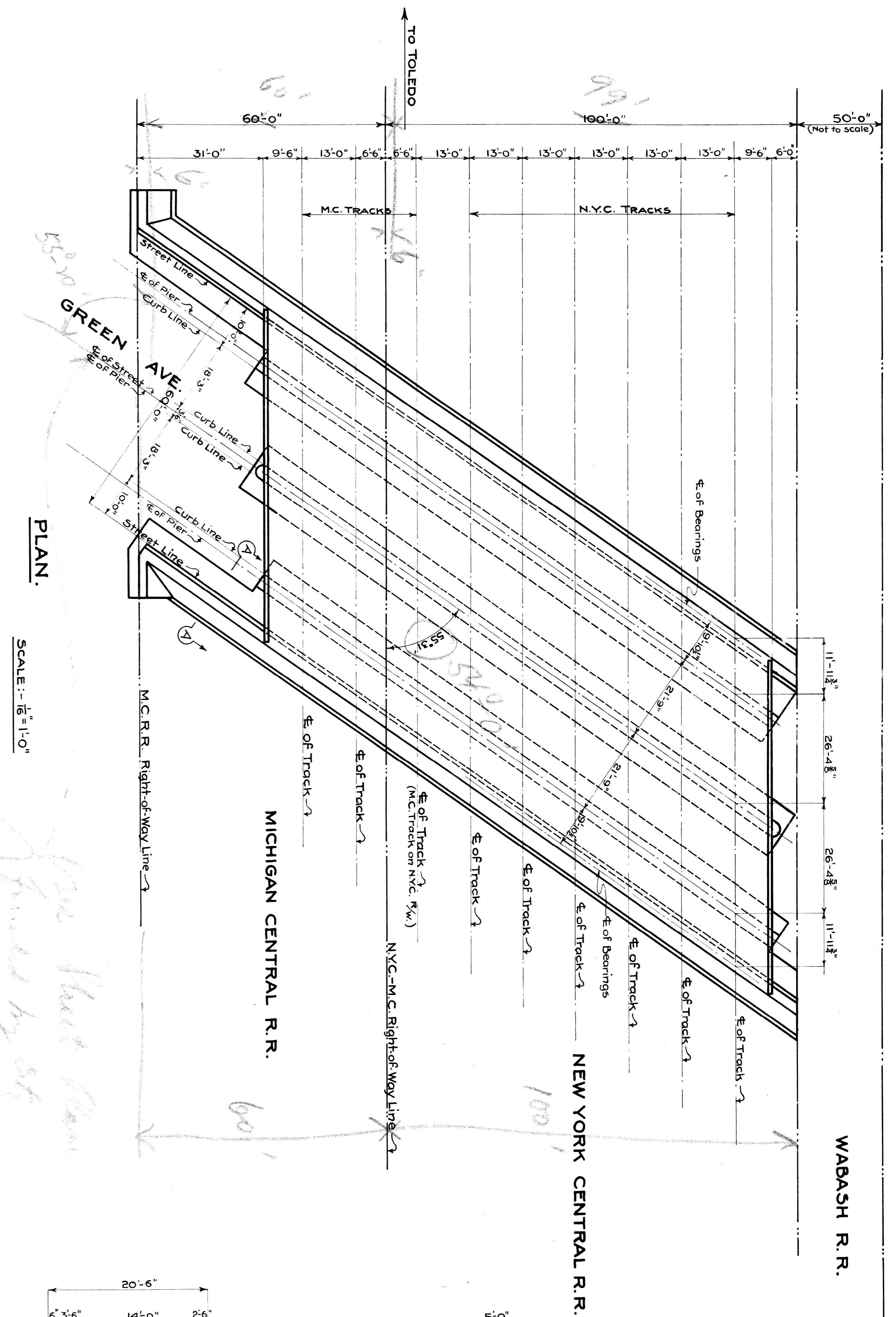
TYPICAL SECTION FOR VERTICAL KEYS AT EXPANSION JOINTS

CITY OF DETROIT  
 DEPARTMENT OF PUBLIC WORKS  
 CITY ENGINEER'S OFFICE  
 DIVISION OF GRADE SEPARATION & BRIDGES  
**GREEN AVE WALL**  
 IN FRONT OF THE IRLAND & MATTHEWS 176 C&S YARD.

Scales  
 1/20" = 1'-0"  
 1/4" = 1'-0"  
 3/8" = 1'-0"

April 1925  
 Made by CLKK  
 Checked by CLKK

BOOK 417-P-61



REVISIONS	DATE	ISSUE NO.
		19

**M.C.R.R.-TOLEDO DIV.**  
**BRIDGE: 412 GREEN AVE. SUBWAY.**  
**GENERAL DRAWING.**

SCALE: 3/8" = 1'-0"

DRAWN BY J.E.K. 12-31-28  
CHECKED BY J.E.K. 12-31-28  
TRACED BY J.E.K. 12-31-28

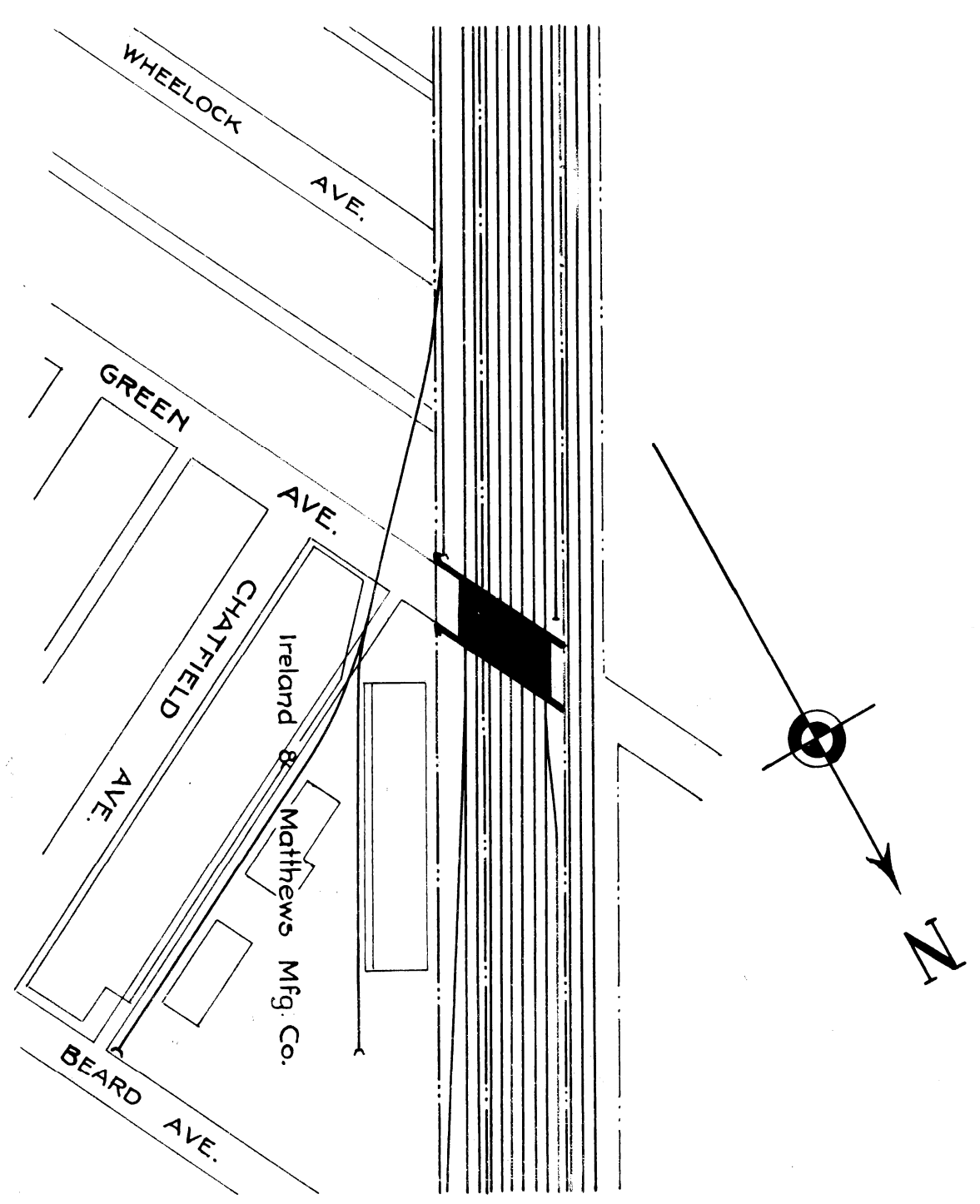
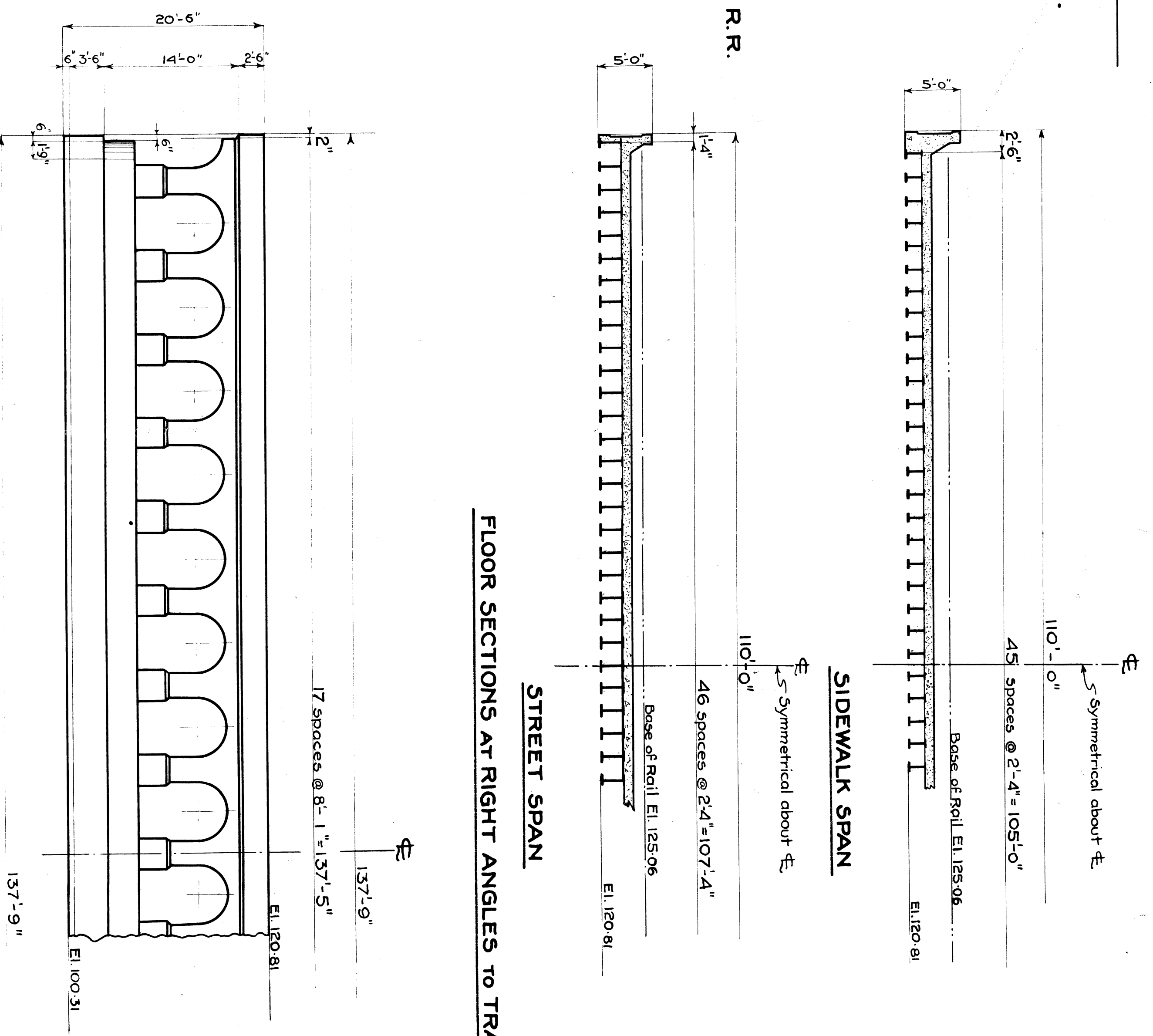
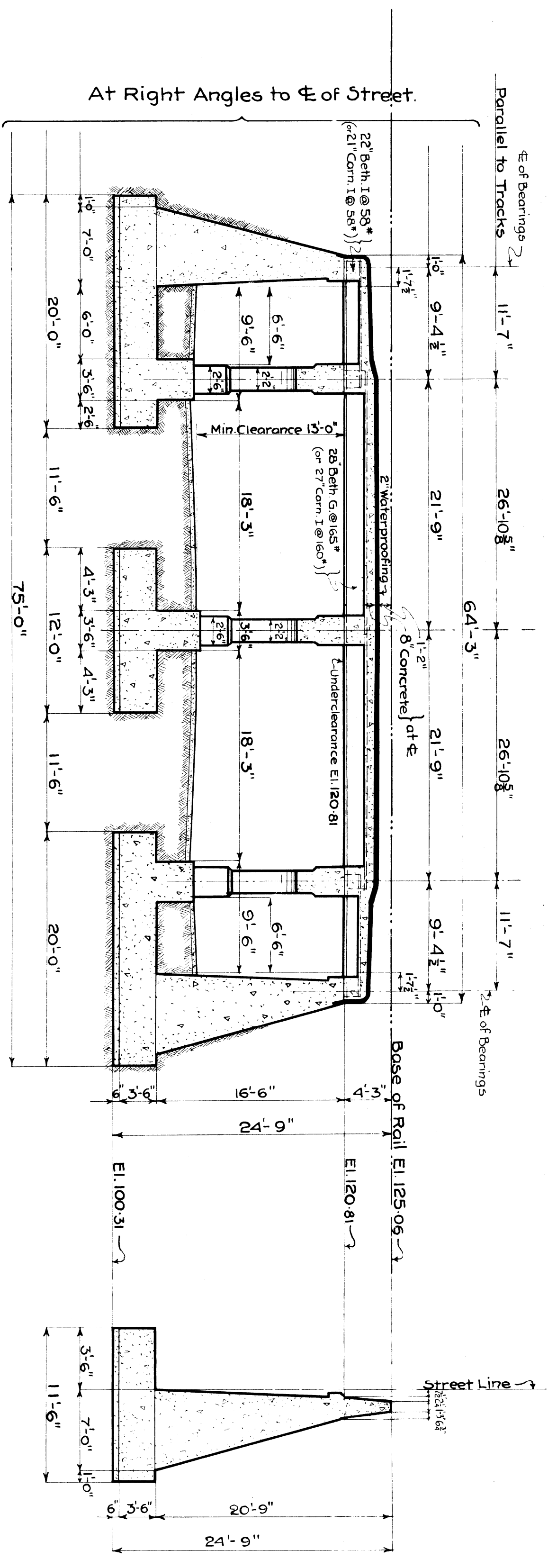
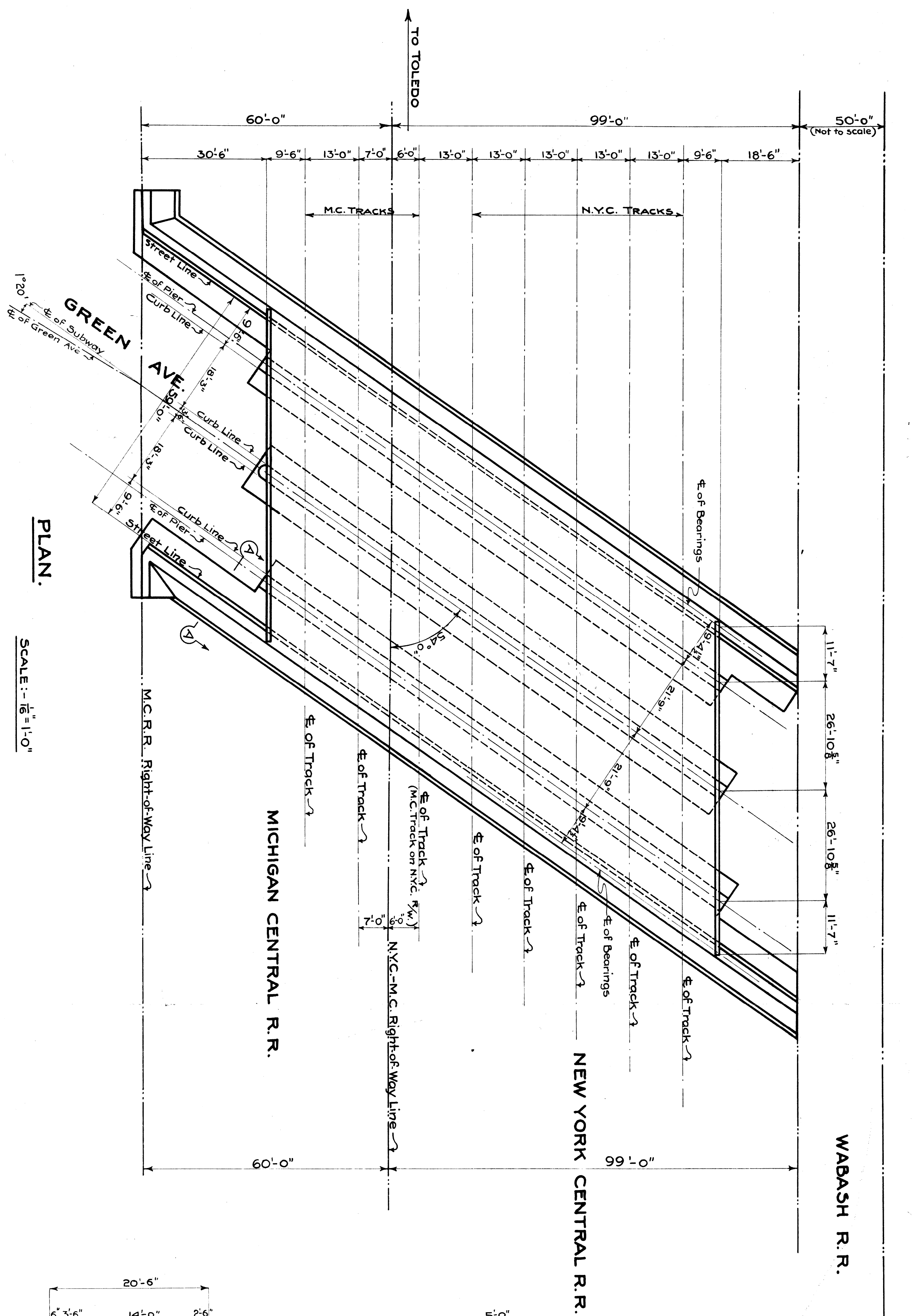
BRIDGE ENGINEER

SHEET 1 OF 1

NOTE: NYC Lines 1917 Specifications.  
ETO loading.

O.K. 3/27/29

File X035-5



NOTE: NYC Lines 1917 Specifications.  
ETO loading.

**M.C.R.R.-TOLEDO DIV**  
**BRIDGE: 41<sup>2</sup> GREEN AVE SUBWAY.**  
**GENERAL DRAWING.**

REVISIONS	DATE	ISSUE NO.
4-9-1927 Inter. Angle Size of Rivet 4-30-1927 ONE N.Y.C. TRACK		19

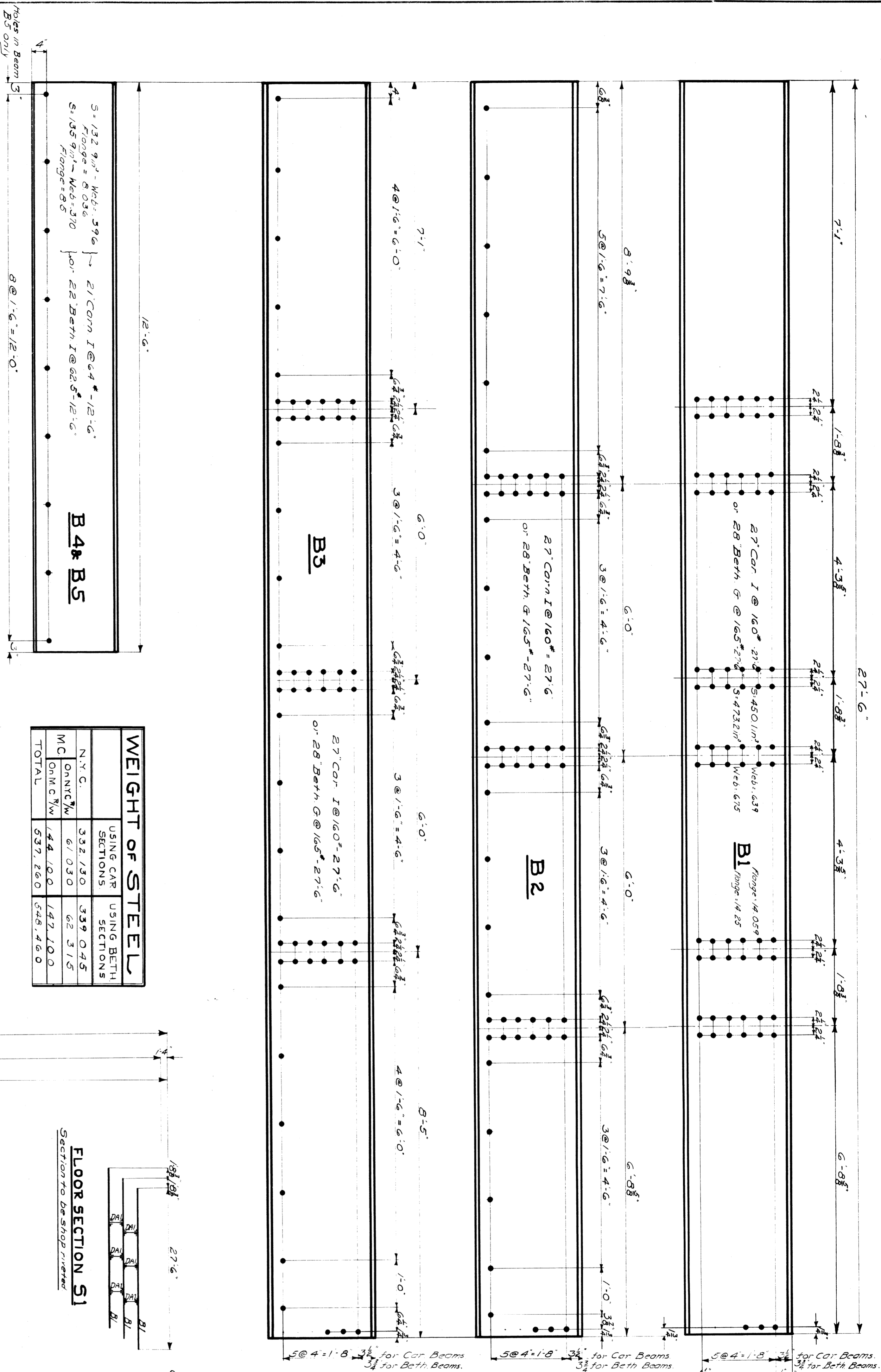
SCALE:  $\frac{1}{8}'' = 1'-0''$

DRAWN BY J.E.K. 12-31-28  
CHECKED BY C.C.C. 5-6-1927  
TRACED BY J.E.K. 12-31-1928

BRIDGE ENGINEER

SHEET 1 OF 1

File XUS-6



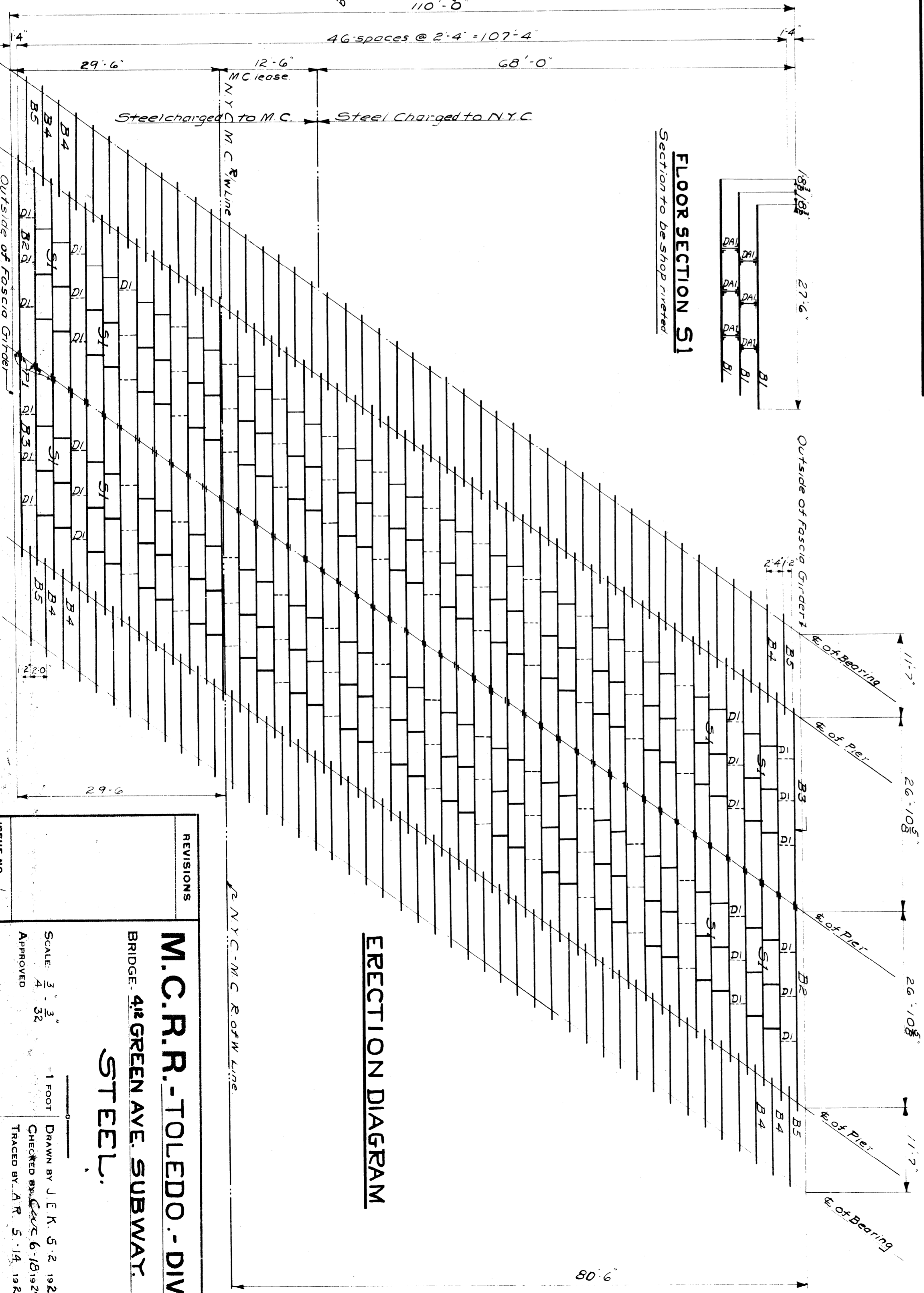
WEIGHT OF STEEL			
	USING CAP SECTIONS	USING BETH SECTIONS	
N.Y.C.	352,130	339,045	
M.C.	67,030	62,315	
TOTAL	419,160	401,360	

MARK	No	ITEMS	QTY		REMARKS
			EACH	TOTAL	
S1	30	FLOOR SECTION	42135	426405	STEEL SECTION
B2	2	FASCIO BEAMS	4393	8786	"
B3	2	FLOOR BEAMS	800	1600	"
B4	8	FLOOR BEAMS	800	3200	"
B5	4	FLOOR BEAMS	1583	1584	"
D1	96	Diaphragm	1583	1584	STEEL SECTION
P1	94	CONNECTING PLATE	775	729	"
AB1	76	Bolt/Washer in Fascio Beam	359	190	"
AB2	32	"	190	190	"
AB3	2420	"	2880	2880	"
AB4	300	"	375	375	"
TOTAL WEIGHT USING CAP SECTIONS			537,260	537,260	

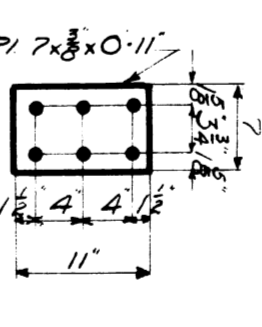
**GENERAL NOTES**

Specifications N.Y.C. Lines for Steel Railroad Bridges No. 110.

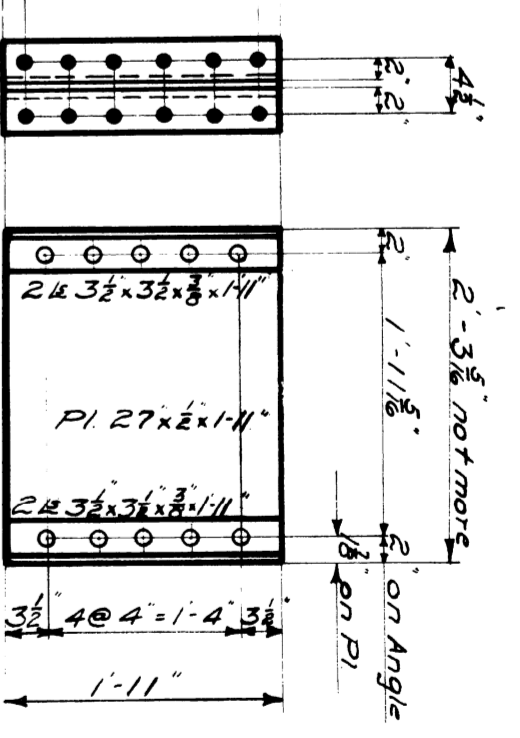
Members 3/4" Open holes 1/4" Everts 3/4" Standard red lead and boiled linseed oil. Stop Paint N.Y.C. Standard red lead and boiled linseed oil. Not to be painted: top surfaces and 1/4" from both ends of all beams, and fur-sides of beams B2, B3 & near side of B3. Surface of steel in contact with each other to receive one coat of N.Y.C. Standard red lead before assembling. Erection marks to be placed on painted surfaces.



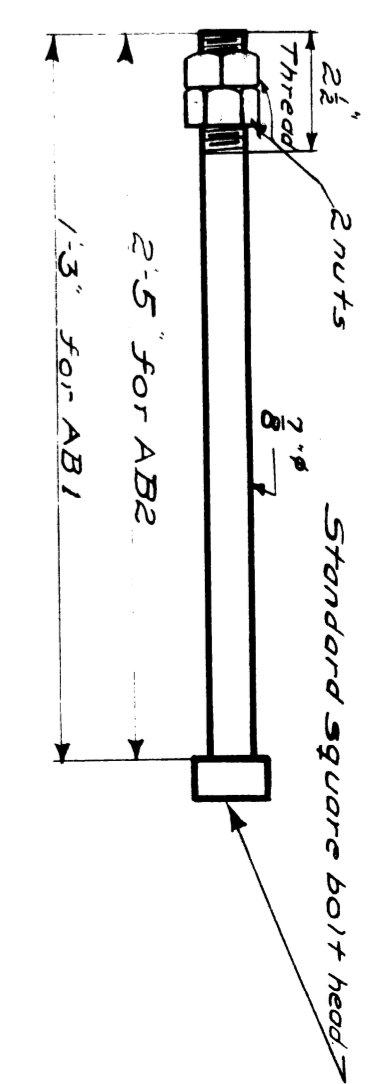
**CONNECTING PLATE P1**



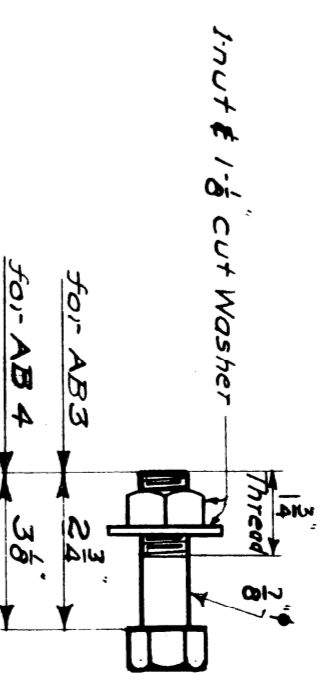
**DIAPHRAGM D1** Shipped loose Diaphragm DIA & D1 alike except for mark



**BOLTS AB1 & AB2**



**BOLTS AB3 & AB4**



**ERECTION DIAGRAM**

**M.C.R.R. - TOLEDO - DIV.**  
**BRIDGE 418 GREEN AVE. SUBWAY**  
**STEEL**

REVISIONS	
ISSUE NO.	1
DATE	9/18/27
BY	J.E.K.
CHECKED BY	J.E.K.
APPROVED	J.E.K.
SCALE	3/4" = 1'-0"
DRAWN BY	J.E.K.
CHECKED BY	J.E.K.
TRACED BY	J.E.K.
BRIDGE ENGINEERS	J.E.K.
SHEET	51 OF 1

File XV 35-7

G-Construction Joints 30'-0" apart (Approx)

Base of Boll. El. 125.06-3

77'-9"

El. 120.81

24'-9"  
15'-0"  
9'-9"

FRONT ELEVATION OF SOUTH WEST ABUTMENT

10'-6" Vertical Pipes 20'-0" apart (Approx)

204'-0"

46 spaces @ 2'-10" = 132'-8"

95'-1 1/2"

77'-7 1/2"

El. 104.31

El. 100.31

3'-6" 6'-10 1/2" 5'-10"

Sheet Line 2

42'-5"

42'-4 1/2"

6" C.I. Pipe 2

9'-0"

4'-1 1/2"

53'-2 1/2"

37'-4 1/2"

21'-5 1/2"

5'-9 1/2"

45 spaces @ 2'-10 1/2" = 129'-10 1/2"

84'-6 1/2"

100'-4 1/2"

45 spaces @ 2'-10 1/2" = 129'-10 1/2"

6" C.I. Pipe

137'-9"

45 spaces @ 2'-10 1/2" = 129'-10 1/2"

15'-0"

11'-0"

45 spaces @ 2'-10 1/2" = 129'-10 1/2"

15'-0"

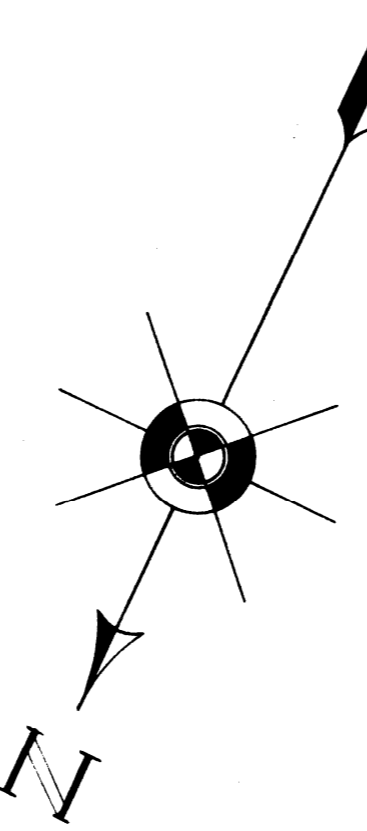
15'-0"

15'-0"

15'-0"

15'-0"

15'-0"



PLAN

201'-7 1/2"

46 spaces @ 2'-10 1/2" = 132'-8"

135'-1 1/2"

121'-4 1/2"

143'-9 1/2"

143'-9 1/2"

143'-9 1/2"

143'-9 1/2"

143'-9 1/2"

143'-9 1/2"

143'-9 1/2"

143'-9 1/2"

50'-0 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

7'-3 1/2"

Base of Boll. El. 125.06

El. 120.81

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

7'-9"

El. 100.31

REAR ELEVATION OF NORTH EAST ABUTMENT

10'-6" Vertical Pipes 20ft apart (Approx)

G-Construction Joints 30 ft apart (Approx)

201'-7 1/2"

File X035-8

REVISIONS

ISSUE NO.	DATE	BY	REASON
1	6-17-1929	J.E.K.	Initial Issue

M.C.R.R.-TOLEDO DIV.

BRIDGE 412 GREEN AVE. SUBWAY.

MASONRY.

SCALE: 1" = 1'-0"

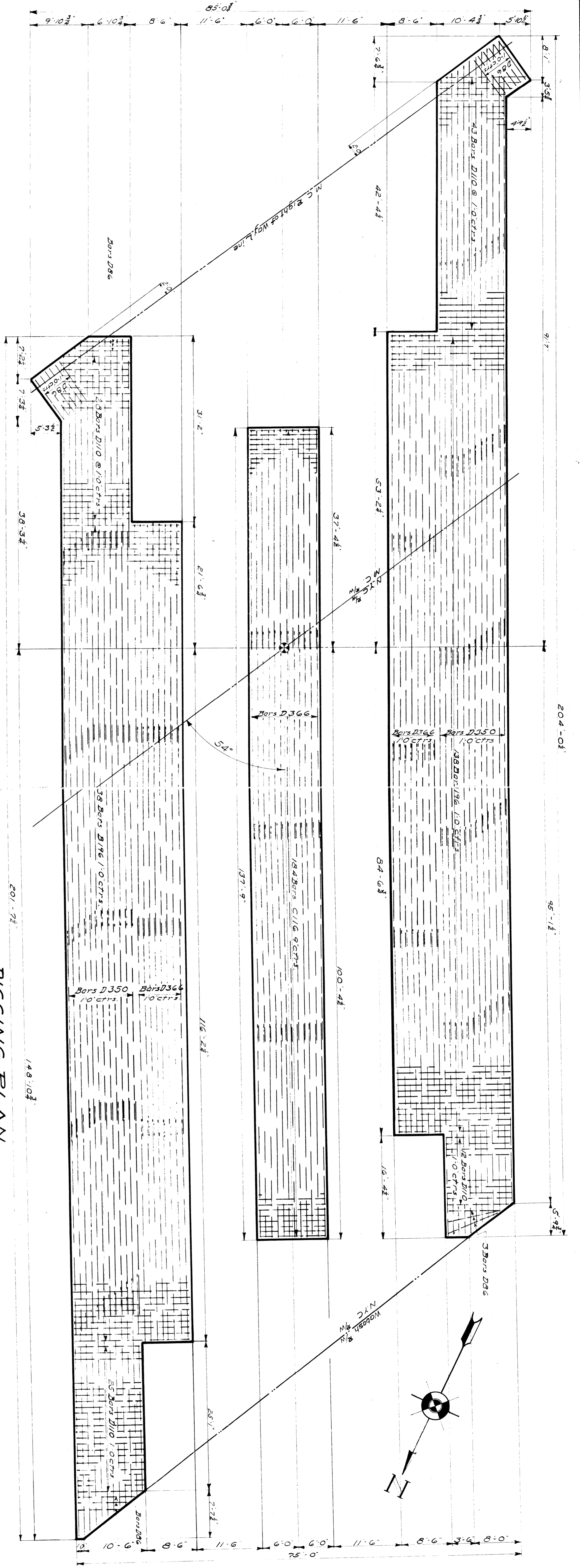
DRAWN BY J.E.K. 5-1-1929

CHECKED BY C.C.C. 6-17-1929

APPROVED BY A.R. 5-13-1929

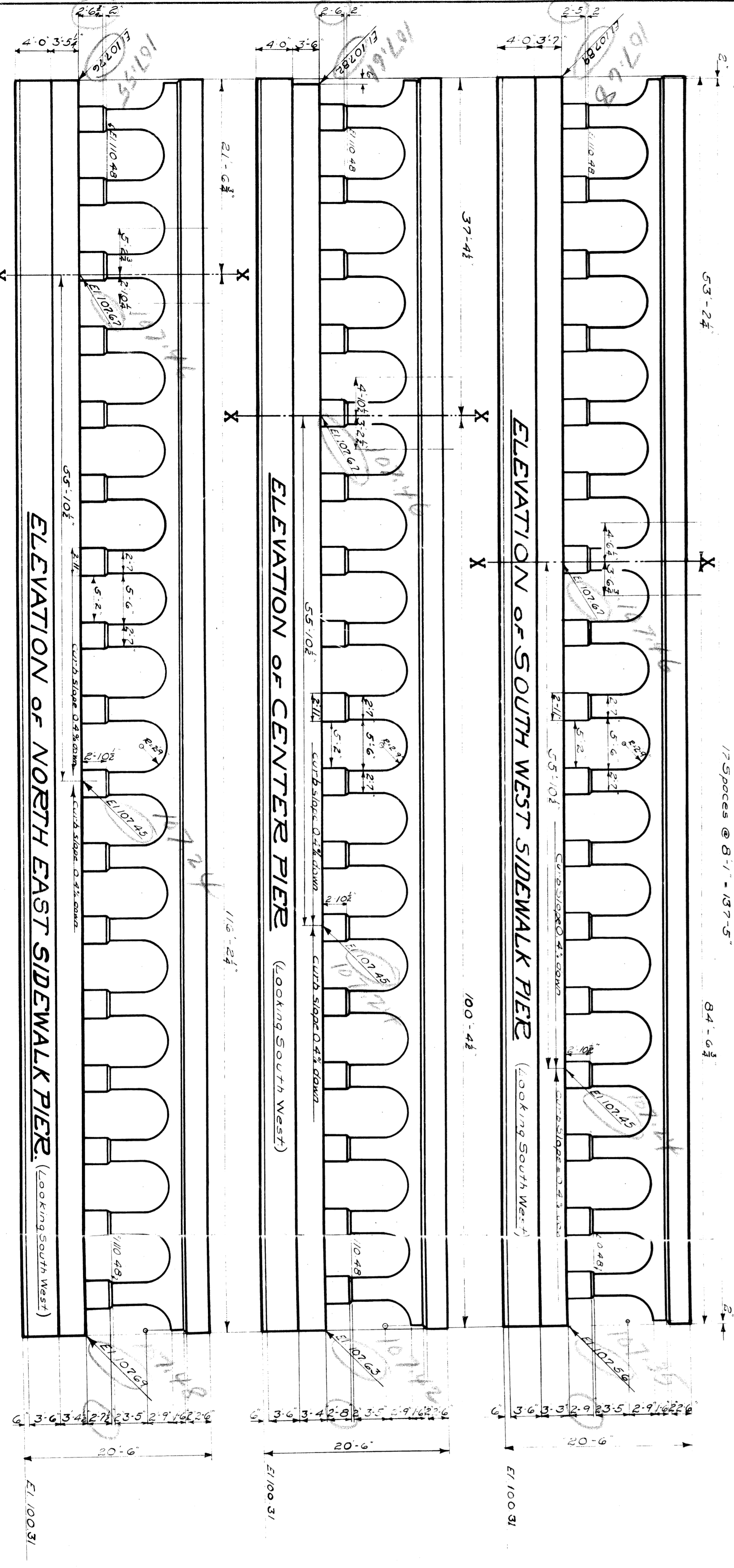
SHEET M1 OF 4



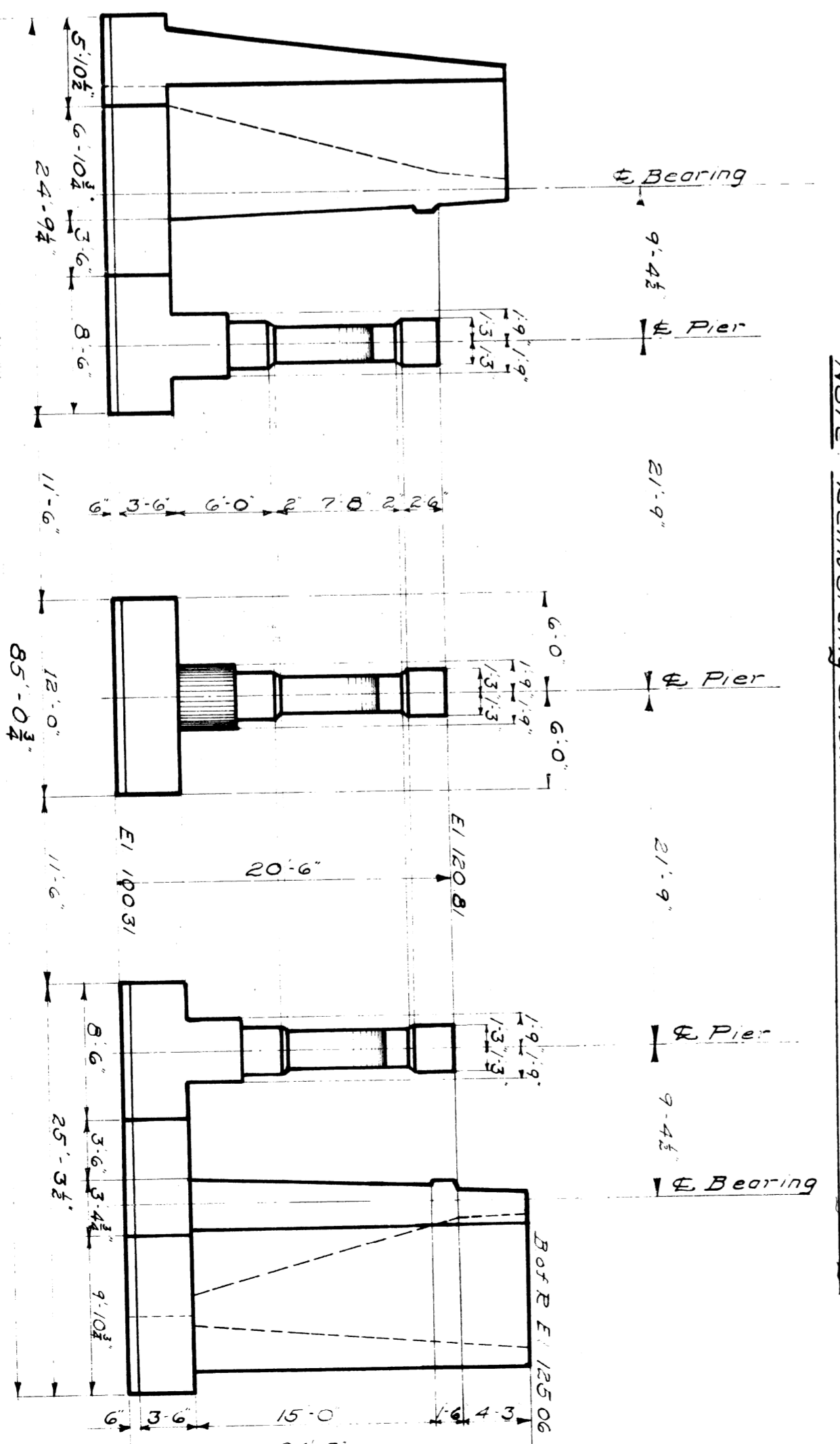


**DIGGING PLAN**

NOTE: REINFORCING SHOWN IS FOR BOTTOM OF FOOTING ONLY



**SOUTH EAST END ELEVATION**



**M.C.R.R.-TOLEDO DIV.**  
 BRIDGE: 41<sup>st</sup> GREEN AVE SUBWAY  
 ELEVATIONS OF PIERS & DIGGING PLAN

SCALE: 1" = 1'-0"

DRAWN BY: J.E.K. 5-2-1929  
 CHECKED BY: C.L.C. 5-21-1929  
 APPROVED BY: A.F. 5-6-1929

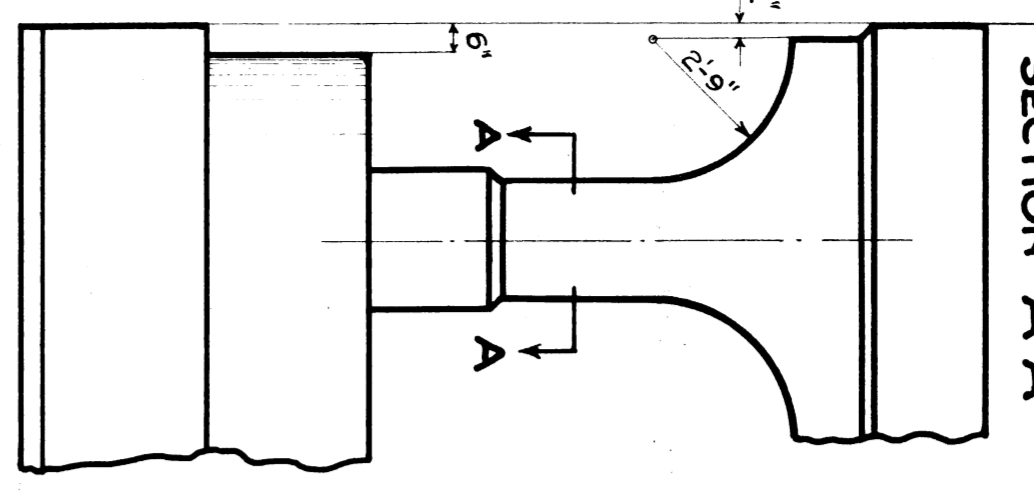
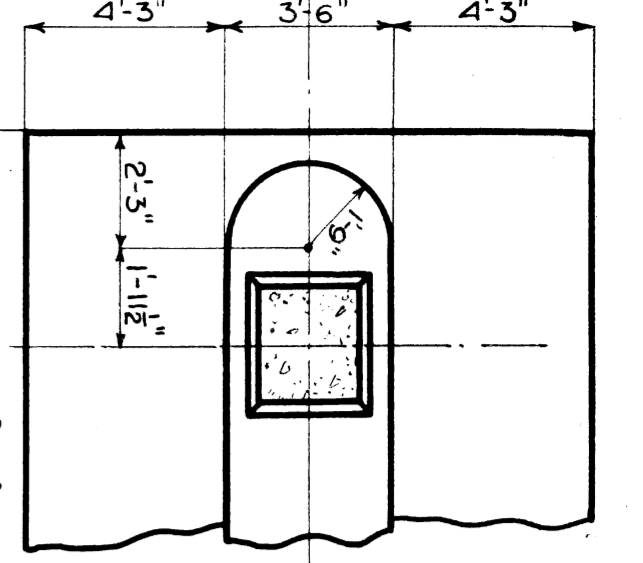
BRIDGE ENGINEERS

ISSUE NO. 1  
 DATE 5-17-1929

REVISIONS

SHEET M2 OF 4

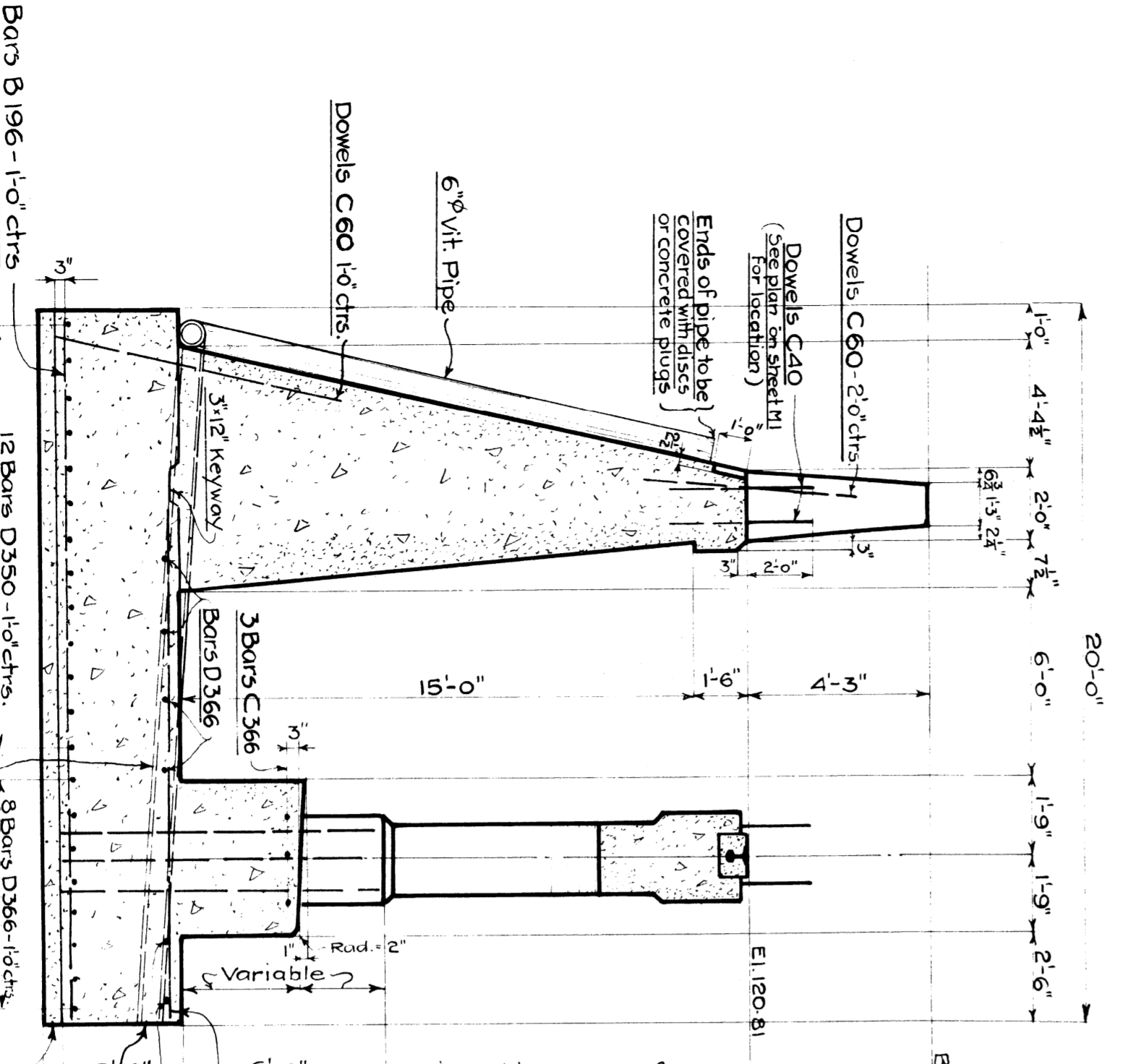
F116 XV35-9



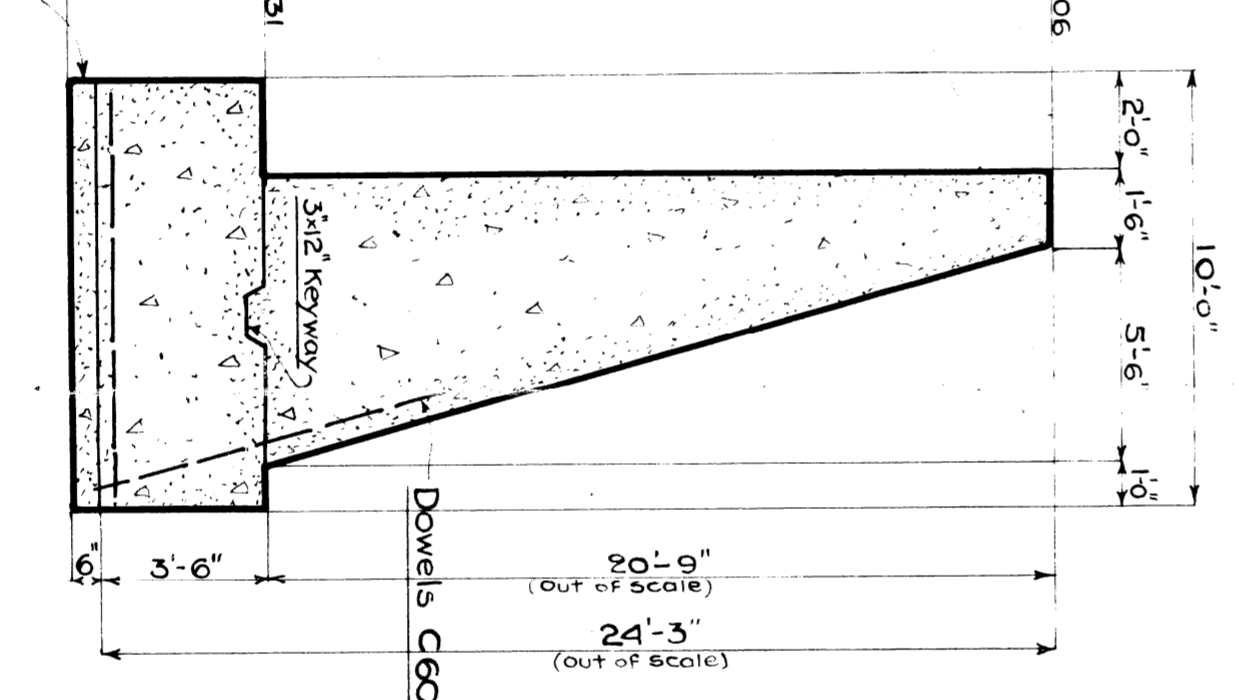
DETAIL OF SOUTH END STREET PIER

TYPICAL ELEVATION OF PIER

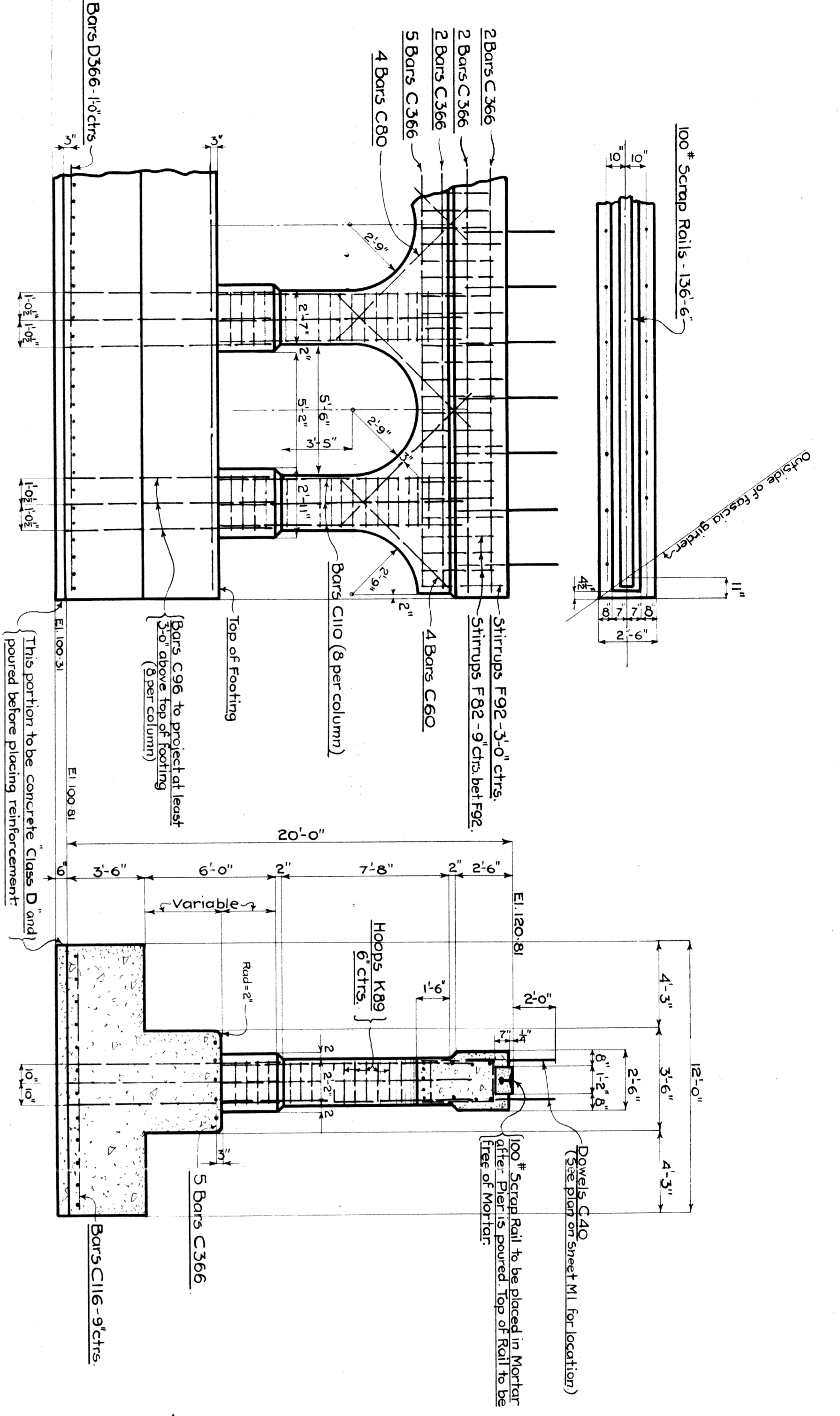
SECTION STREET PIER



SECTION OF ABUTMENT & SIDEWALK PIER

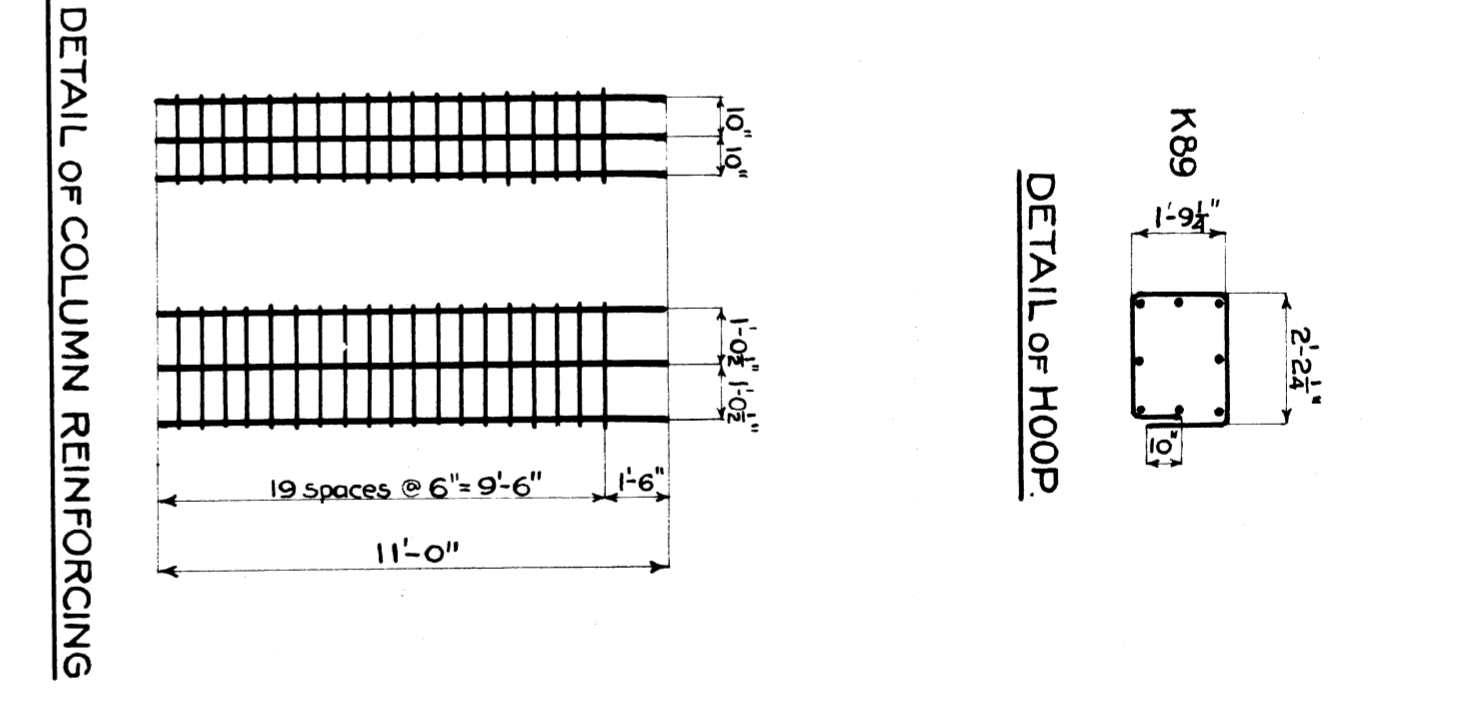


WING WALL SECTION



DETAIL OF COLUMN REINFORCING

DETAIL OF STIRRUPS



MARK	No.	SIZE	LENGTH	LOCATION
<b>ABUTMENT:</b>				
B196	276	1"	19'-6"	Abutment Footings, transverse bottom. Straight
B146	276	"	14'-6"	" " " top
D110	108	3/4"	11'-0"	" " " " "
D86	21	"	8'-6"	" " " " " (ends & wings)
D350	144	"	35'-0"	" " " " " "
C60	470	7/8"	6'-0"	" " " " " Dowels in footings & backwalls
CA0	188	"	4'-0"	" " " " " bridge sect.
<b>PIERS</b>				
D366	160	3/4"	36'-6"	Pier Footings longitudinal top & bottom
C366	176	7/8"	36'-6"	top of Footings & top of piers
C116	184	"	11'-6"	Street pier footing, transverse
C110	408	"	11'-0"	Pier columns, verticals
C96	408	"	9'-6"	" " " " " dowels
C80	384	"	8'-0"	" " " " " diagonals over arches
C60	24	"	6'-0"	" " " " " half-arches
C40	278	"	4'-0"	Piers dowels in bridge seat
F92	138	1/2"	9'-2"	stirrups in top
F82	408	"	8'-2"	" " " " " "
K89	969	1/4"	8'-9"	hoops in columns.

ITEMS.	ESTIMATED QUANTITIES (FLOOR NOT INCL.)			
	UNITS	NYC.	M.C.	TOTAL
<b>Concrete Class "B"</b>				
Footings: Street Pier	Cu Yds	32	75	274
NE. Abutment & Sidewalk Pier	"	25	174	511
S.W. Abutment & Sidewalk Pier	"	25	176	511
Above Footings: Piers	"	164	73	269
NE. Abutment	"	342	232	574
S.W. Abutment	"	342	230	572
<b>Total Concrete Class "B"</b>		1637	960	2711
<b>Concrete Class "D"</b>		97	53	159
Reinforcing	Lbs	61000	29300	39300
Waterproofing (back of abutments only)	Sq. Ft	4010	2630	6640
6" Sewer Pipes (vitrified)	Ln. Ft	550	300	850
Tees	Pcs.	15	9	24
6" C.I. Pipes 20 Ft. long	"	2	2	4
Sheet Lead 15' x 3' x 16'-6"	"	7	5	12
Scrap 100# Rails	Lbs.	8375	1600	5275
			3675	13650

NOTE: Quantities for piers within 15ft. NYC. R/W leased to M.C. are shown in separate column, and charged to M.C.

**GENERAL NOTES**

- Specifications: NYC. Lines for Concrete Masonry
- Concrete: to be Class "B" (625 gals of water per sack of cement and 5.75 sacks of cement per cu yds of concrete) except seal coat which is to be Class "D" (8 gals of water per sack of cement and 3.75 sacks of cement per cu yds of concrete). Bevel all exposed corners unless otherwise shown. Top surfaces to have sidewalk finish. There shall be no horizontal joints except at top of footing and at coping. Exposed surfaces to be rubbed as soon as forms are removed. No cement grout to be used in rubbing surfaces.
- Reinforcing: - All bars to be deformed. They shall be securely wired together at each intersection. At splices they shall lap for a length of 40 diameters and be securely wired.
- Waterproofing: - Backs of abutments shall be painted with two coats of asphaltic waterproofing.
- Drains: - shall be laid to drain, and be connected to city sewer by substructure Contractor.

FILE X135-10

**M.C.R.R. - TOLEDO DIV.**  
**4 1/2 GREEN AVE. SUBWAY.**  
**MASONRY DETAILS.**

SCALE: 1/4" = 1'-0"

APPROVED: [Signature]

BRIDGE ENGINEER

ISSUE NO. 1

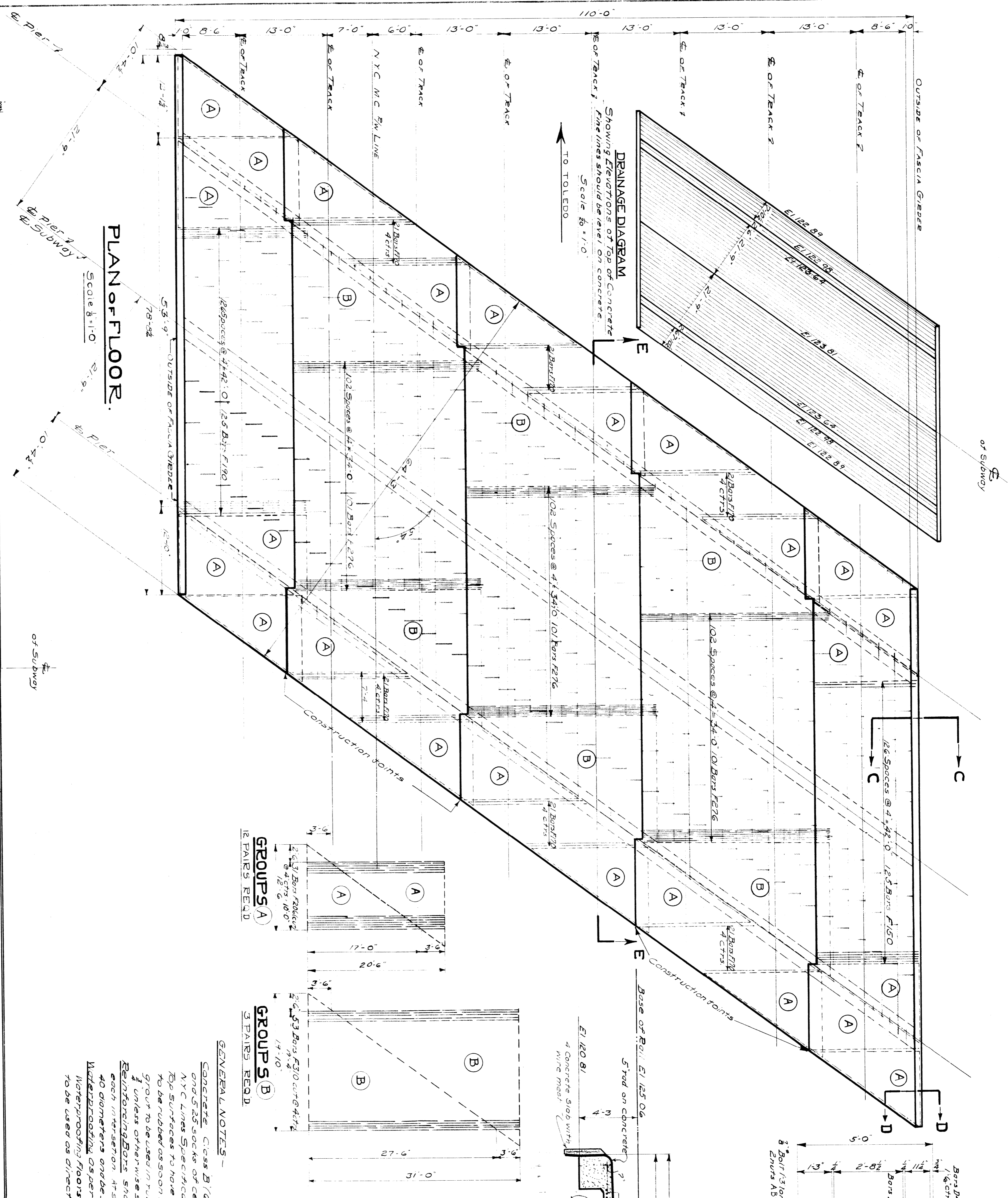
DATE: 11/18/27

DRAWN BY: J.E.K. 4-19-29

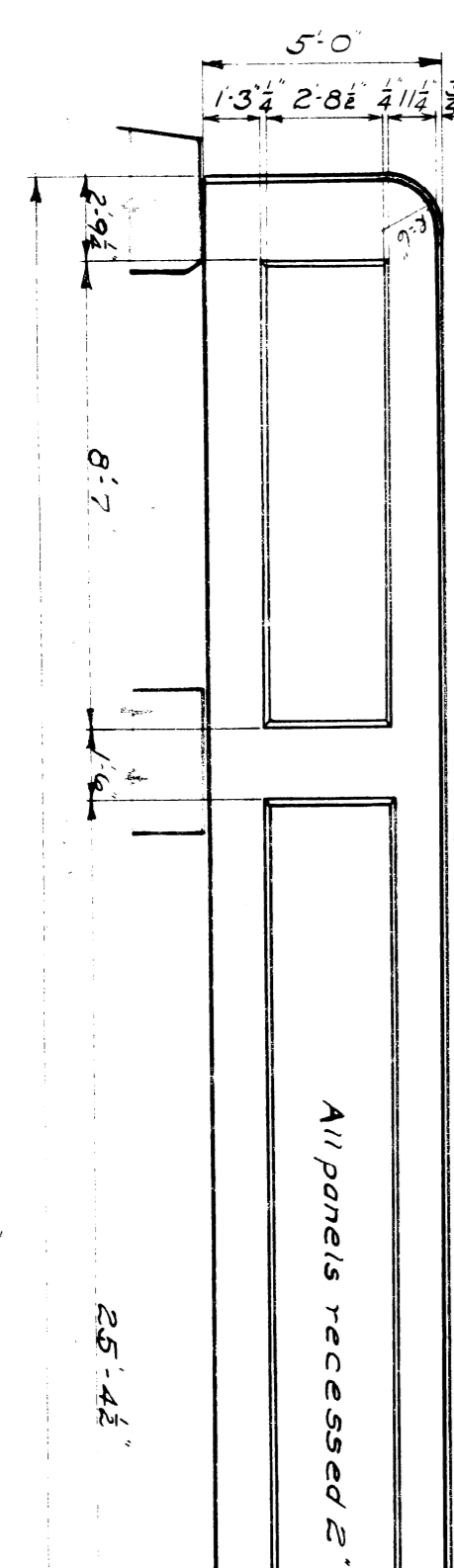
CHECKED BY: C.C.K. 6-17-29

TRACED BY: J.E.K. 4-22-29

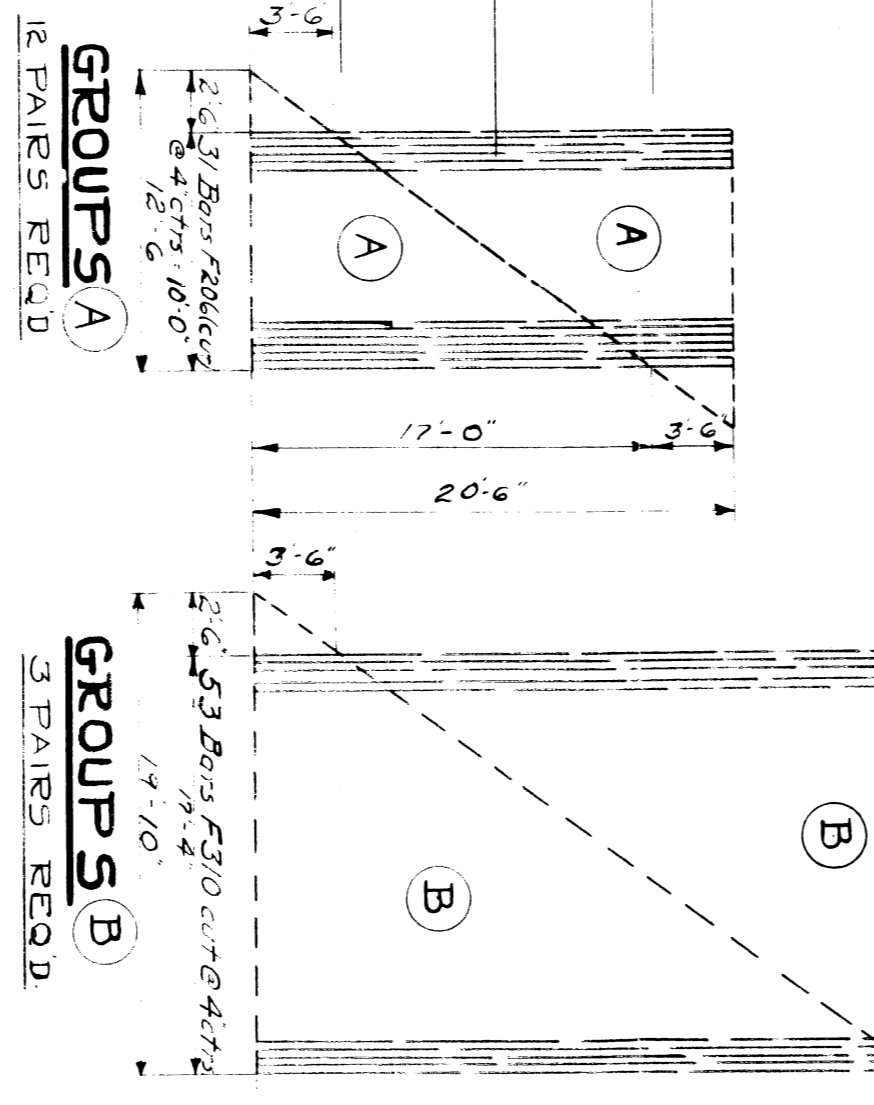
SHEET M3 OF 4



**PLAN OF FLOOR.**  
Scale 1/4" = 1'-0"

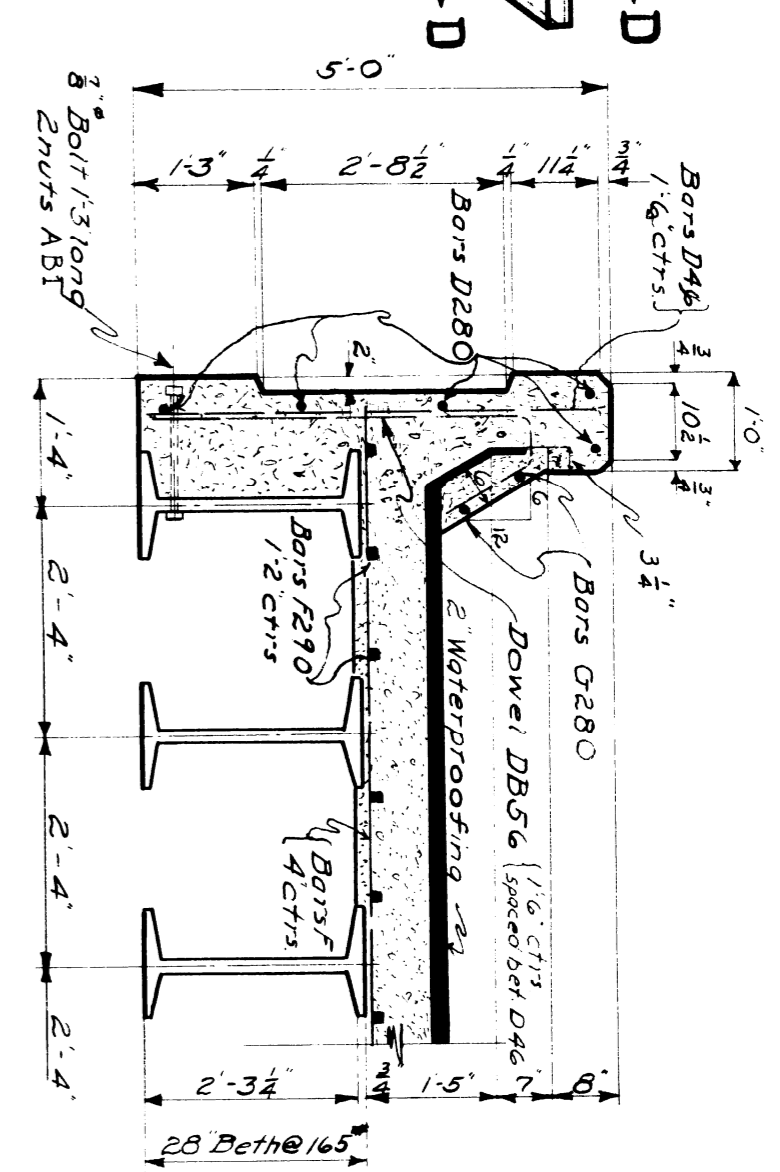


**ELEVATION OF FASCIA.**  
Scale 1/4" = 1'-0"

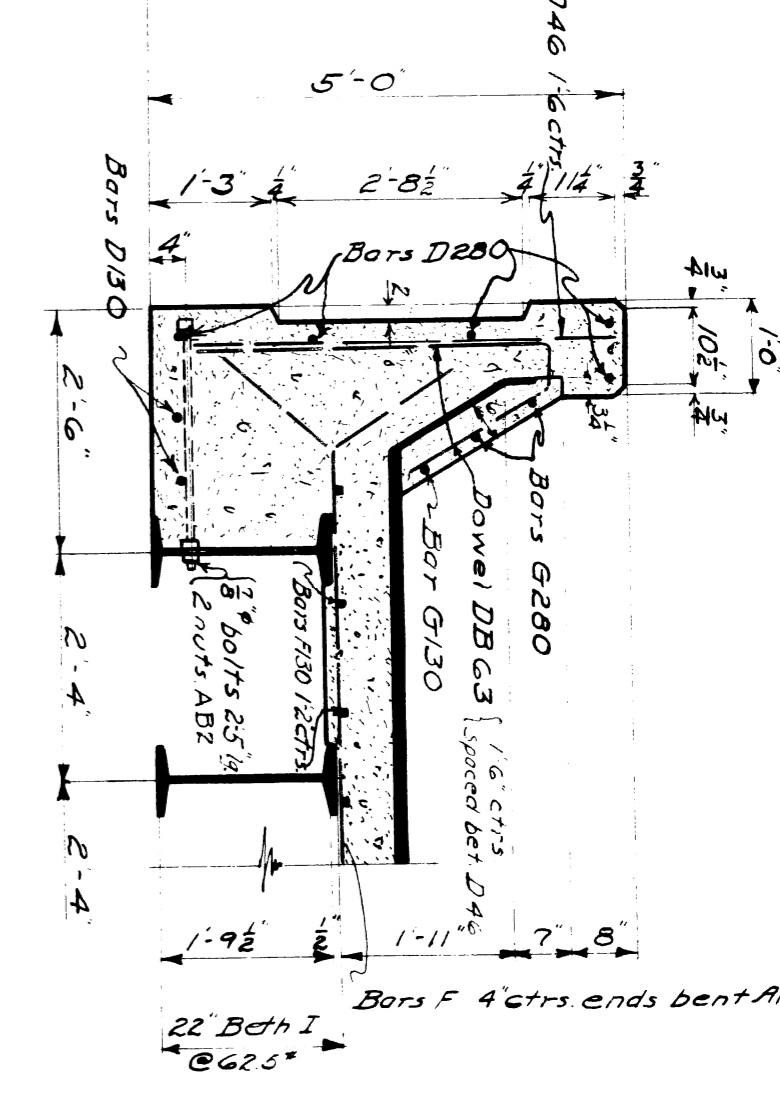


**DETAIL OF DOWELS DB56 & DB63**

**GENERAL NOTES**  
 CONCRETE: Class B (6,850 psi at water/cement ratio of 0.55) with 5% air. All concrete shall be placed in one lift and finished with a steel trowel. All concrete shall be cured for a minimum of 7 days.  
 NY C LINES SPECIFICATIONS FOR CONCRETE MASONRY  
 TOP SURFACES TO HAVE SMOOTH FINISH. ALL EXPOSED SURFACES TO BE RUBBED OR SMOOTH FINISH AND REMOVED. NO CEMENT GROUT TO BE USED IN RUBBING SURFACES. BEVEL EXPOSED CORNERS UNLESS OTHERWISE SHOWN.  
 REINFORCING BARS: Shall be securely wired together at each intersection. As splices they shall lap for a length of 40 diameters and be securely wired. All bars deformed. Water proofing floors of Railroad Bridges 1925 Type to be used as directed by Engineer.



**SECTION C-C.**  
Scale 1/2" = 1'-0"



**SECTION D-D.**  
Scale 1/2" = 1'-0"

**SECTION F-F.**  
Scale 1/2" = 1'-0"

**BILL OF REINFORCING BARS.**

MARK	No	SIZE	LENGTH	LOCATION
F170	126	1/2"	17'-0"	FLOOR
F190	125	1/2"	19'-0"	(see 4) (GROUP A)
F206	372	3/8"	20'-6"	(see 4) (GROUP A)
F276	503	3/8"	27'-6"	(see 4) (GROUP A)
F450	125	1/2"	15'-0"	(see 4) (GROUP B)
F510	159	1/2"	31'-0"	FLOOR
F290	188	1/2"	29'-0"	(see 4) (GROUP B)
F330	84	1/2"	18'-0"	(see 4) (GROUP B)
D256	74	1/2"	5'-6"	Fascia Girder (vert)
D263	32	1/2"	6'-3"	Fascia Girder (vert)
D170	3	1/2"	13'-0"	Longitudinal
D280	50	1/2"	28'-0"	Fascia Girder Vertical
D46	106	1/2"	4'-6"	Horizontal
G30	4	1/2"	13'-0"	Horizontal
G380	12	1/2"	20'-0"	Horizontal

**QUANTITIES.**

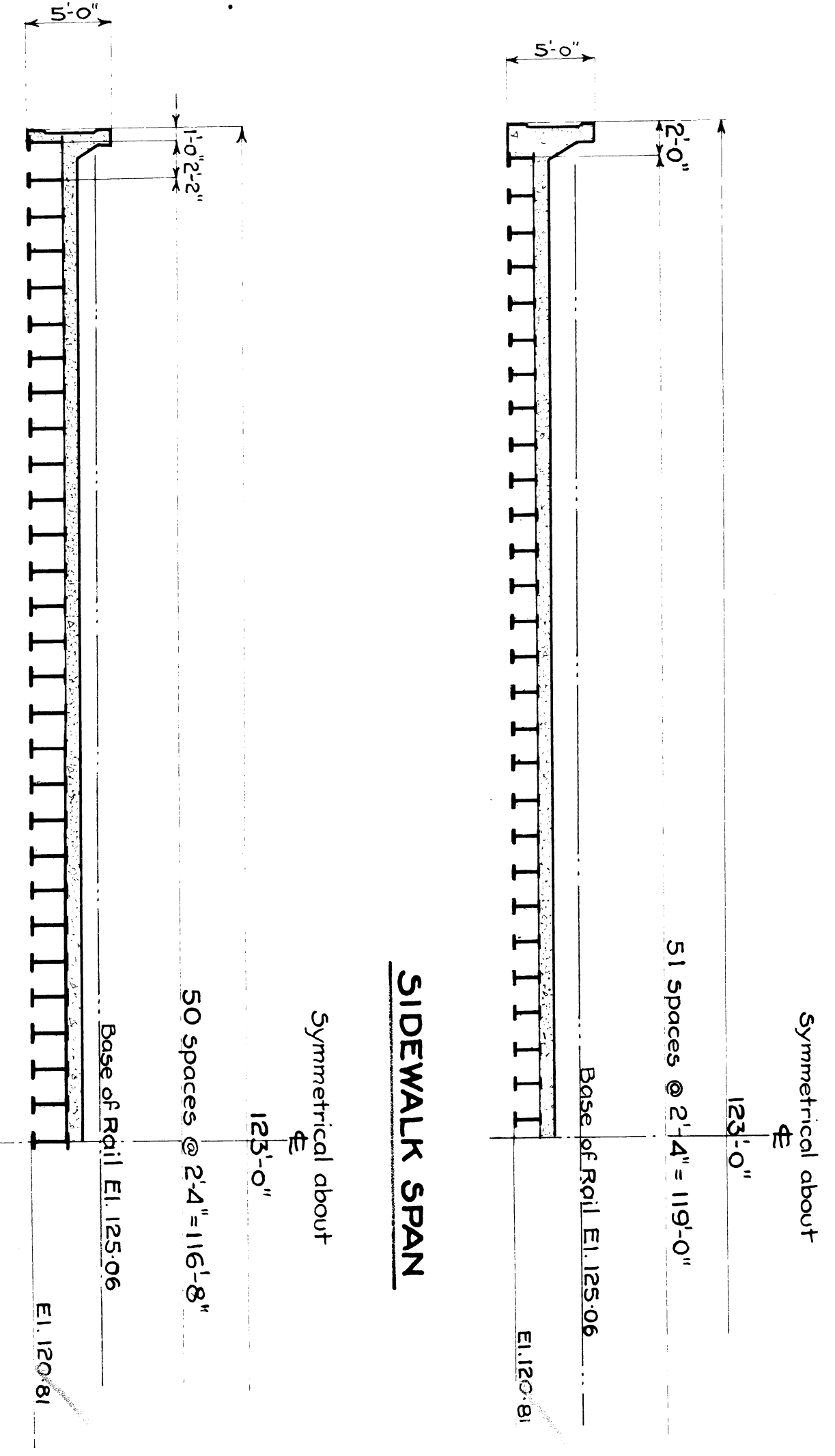
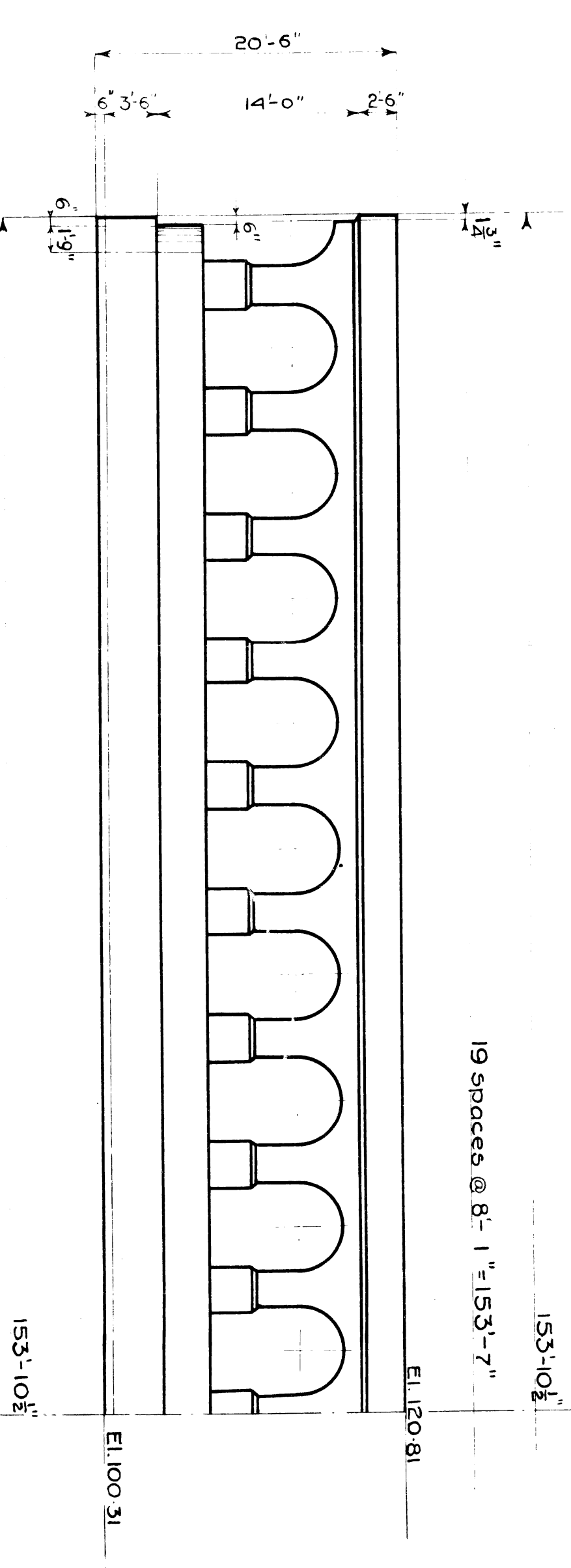
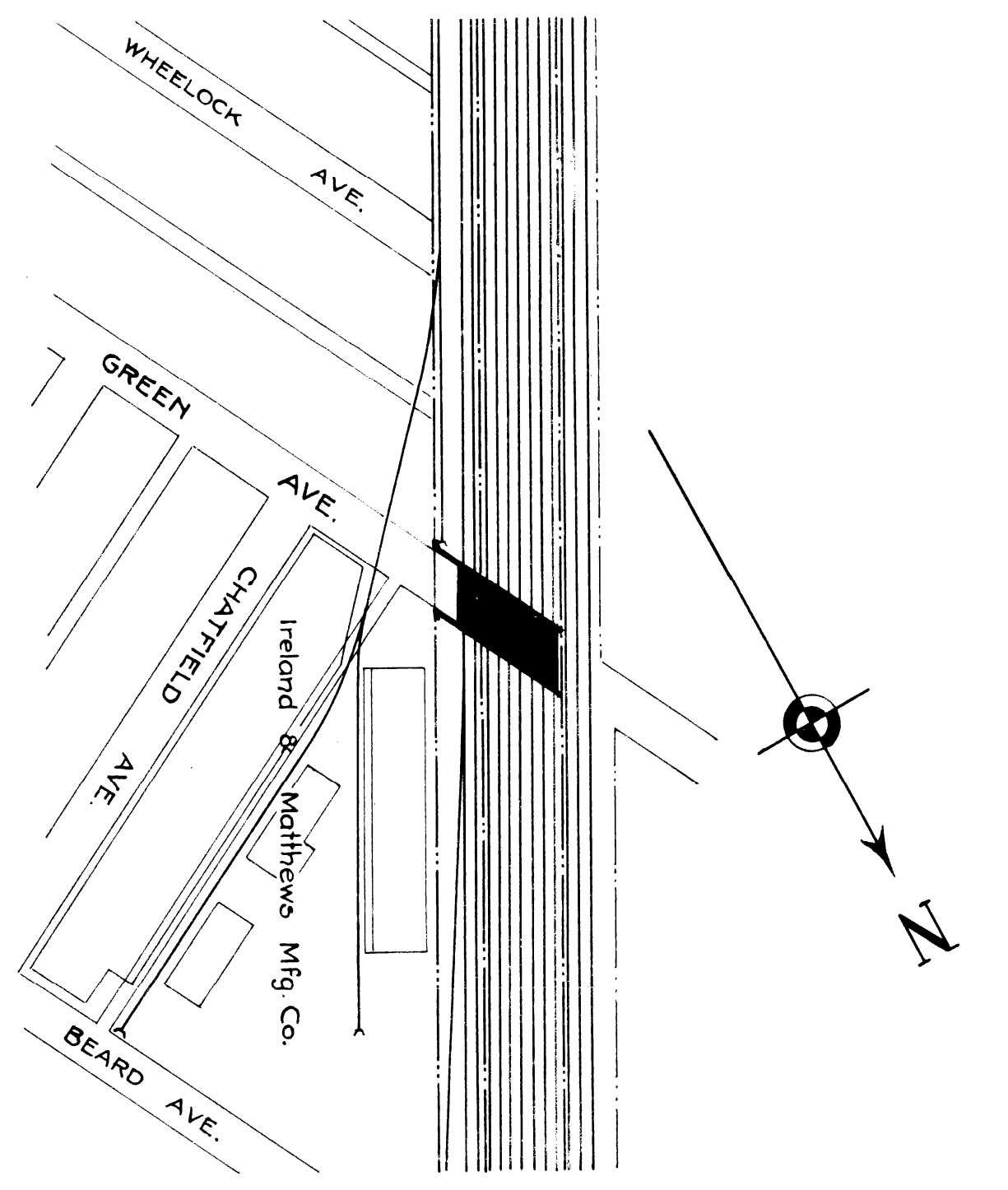
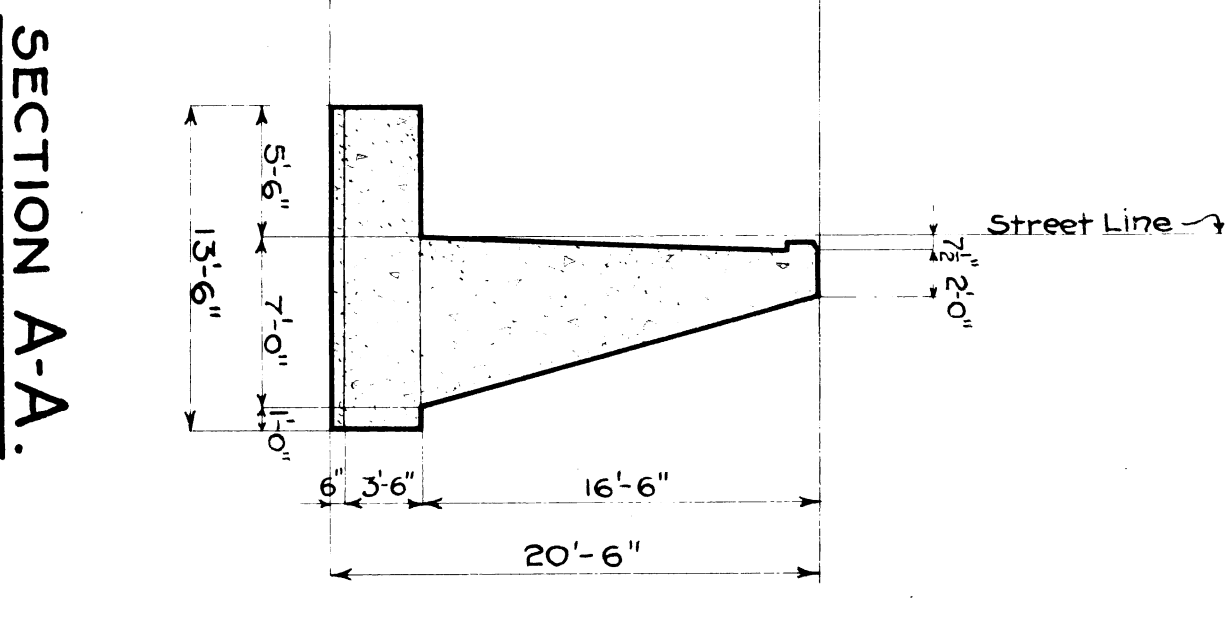
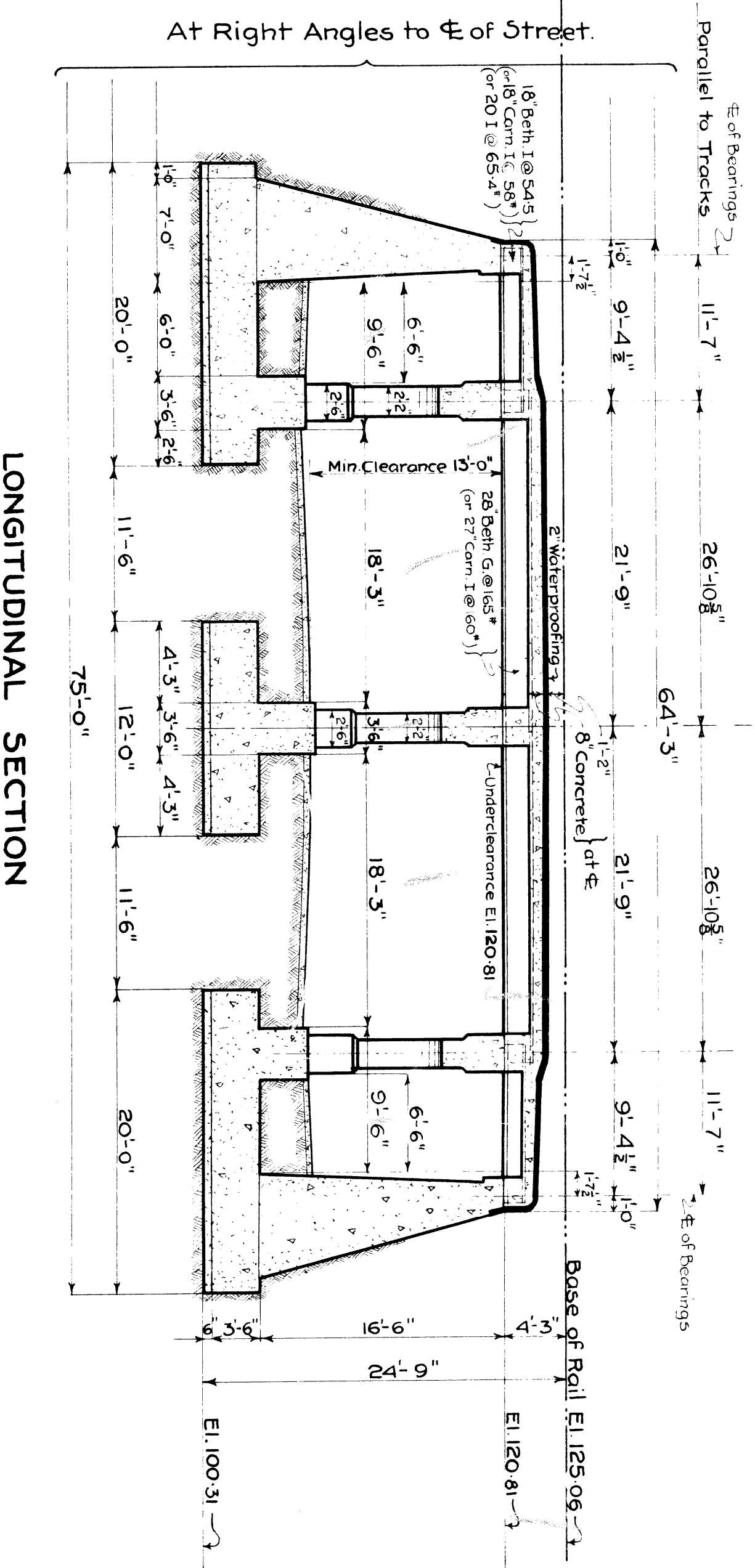
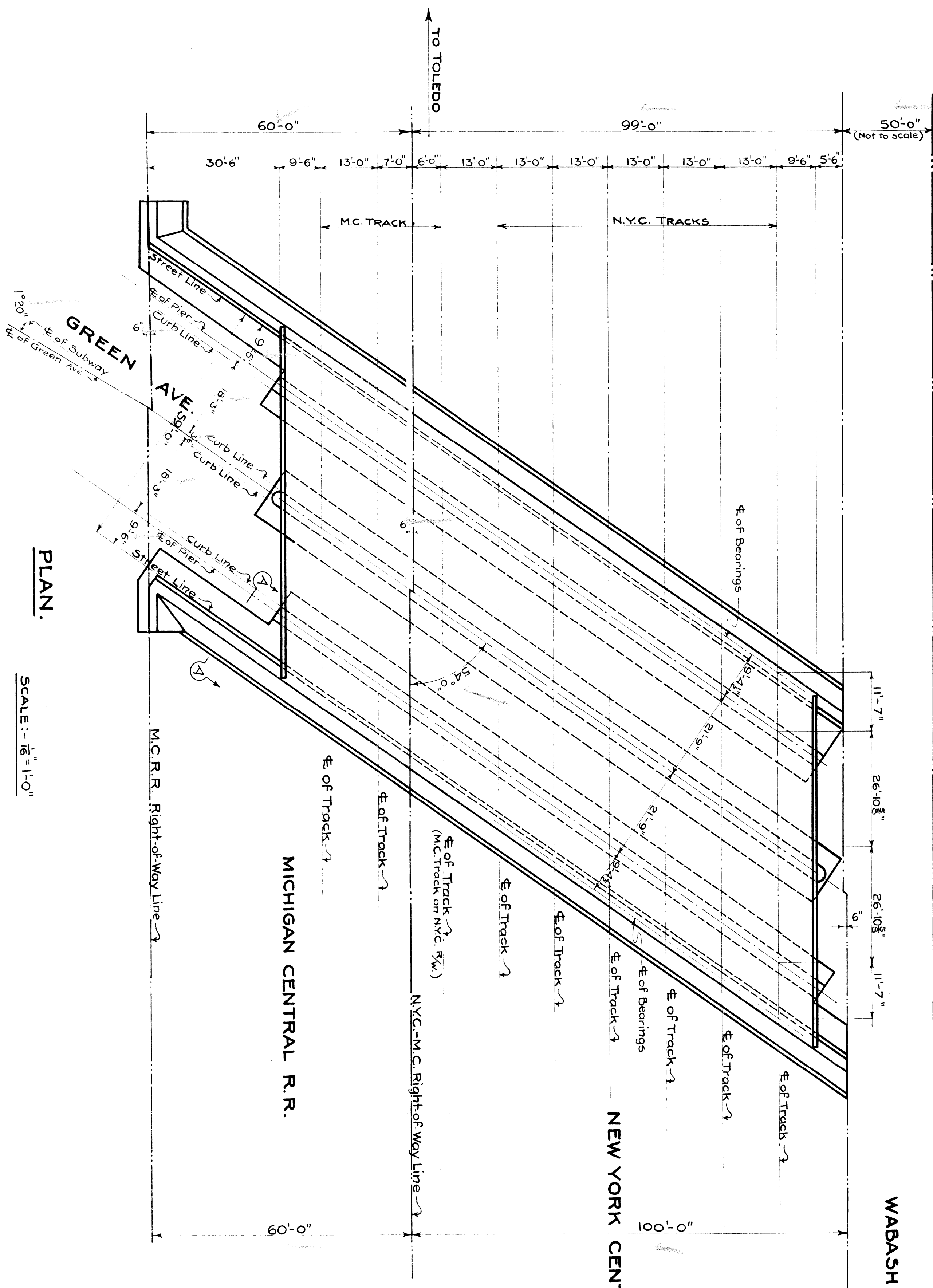
ITEMS	UNITS	N.Y.C.	M.C.	TOTAL
CONCRETE	cu yds	211	37	360
REINFORCING	lbs	20100	320	20420
WATERPROOFING	Sq ft	5900	1150	7050

**NOTE** Quantities of floor within 134' NYC M.C. R.W. recessed to NYC M.C. R.W. line. All quantities shown in separate column and changed to NYC M.C. R.W. line.

**M.C.R.R.-TOLEDO DIV.**  
 BRIDGE: 418 GREEN AVE. SUBWAY  
**FLOOR.**

REVISIONS  
 SCALE: As Shown  
 DRAWN BY: J.E.K. S.3  
 CHECKED BY: C.C.C. 6.25.1829  
 APPROVED: Traced by A.E. 5.9.18.27  
 BRIDGE ENGINEER  
 SHEET M.40-4

File X035-11



**NOTE:** NYC Lines 1917 Specifications. ETO loading.

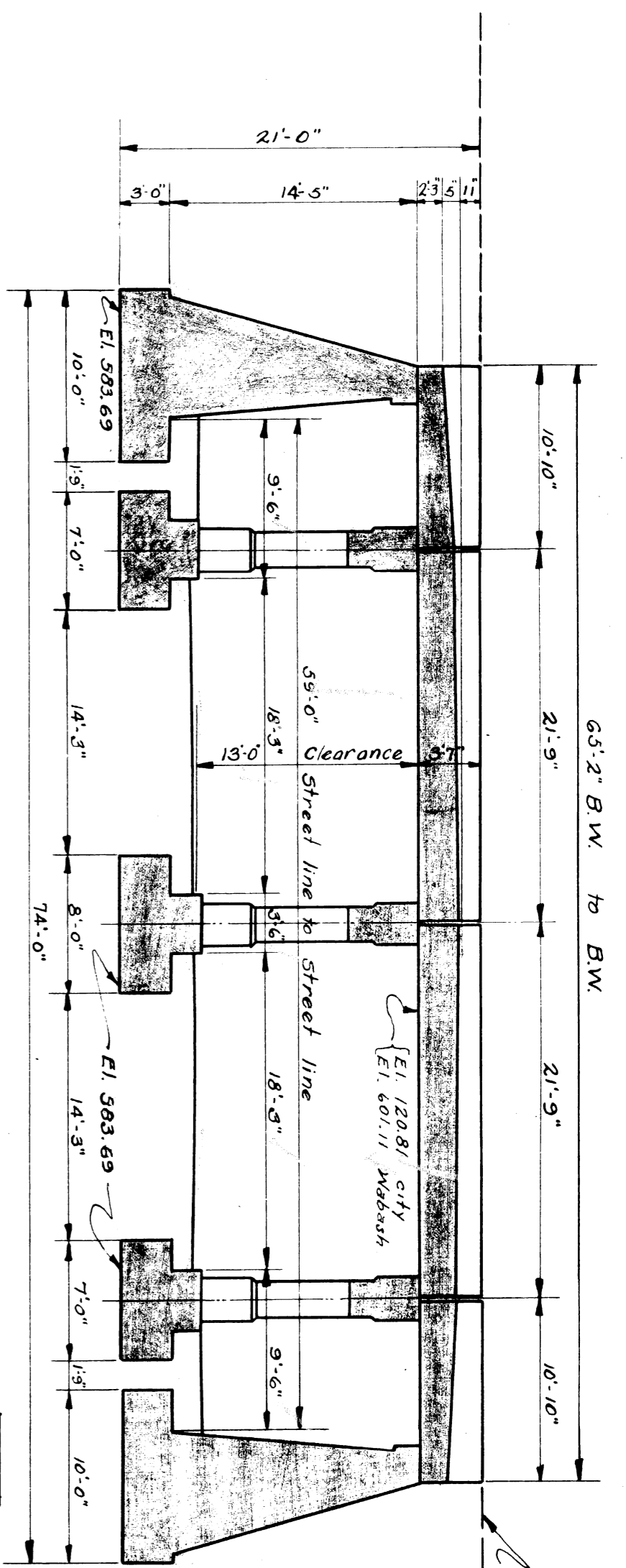
**M.C.R.R. - TOLEDO DIV**  
**BRIDGE: 4 1/2 GREEN AVE. SUBWAY.**  
**GENERAL DRAWING.**

SCALE: 200' = 1'-0"  
DRAWN BY J.E.K. 12-31-28  
CHECKED BY [Signature]  
APPROVED BY J.E.K. 12-31-28

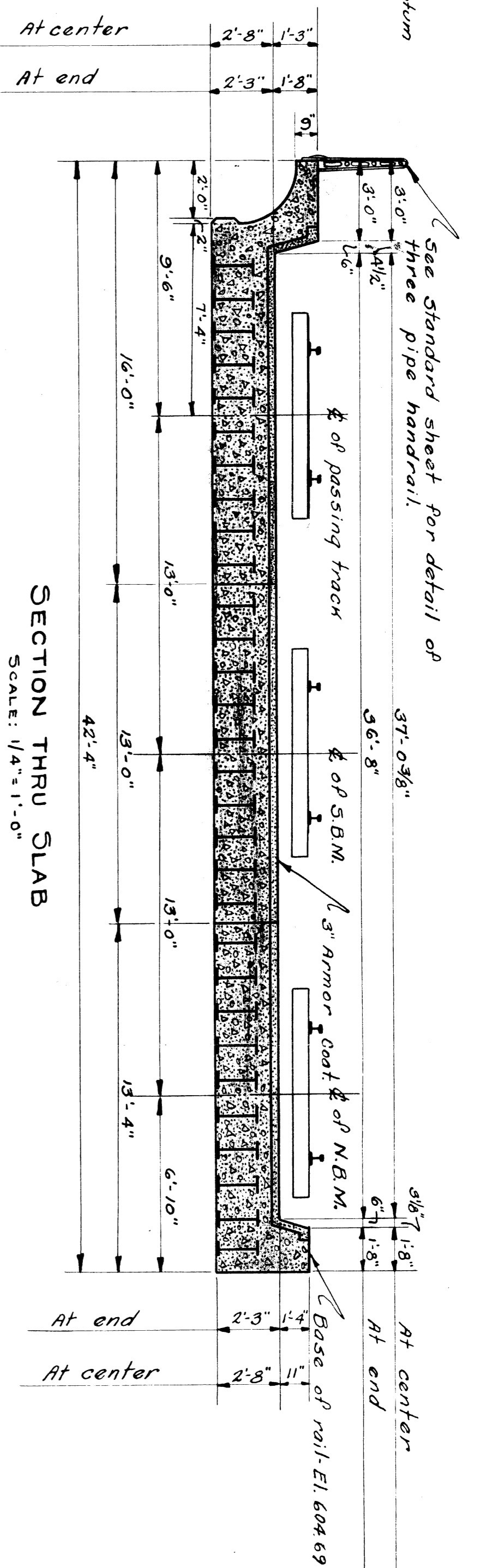
REVISIONS	DATE
3-DIMENSIONAL REVISED IN THE FIELD BY [Signature] DATE [Signature]	

ISSUE NO. 19  
SHEET 1 OF 1

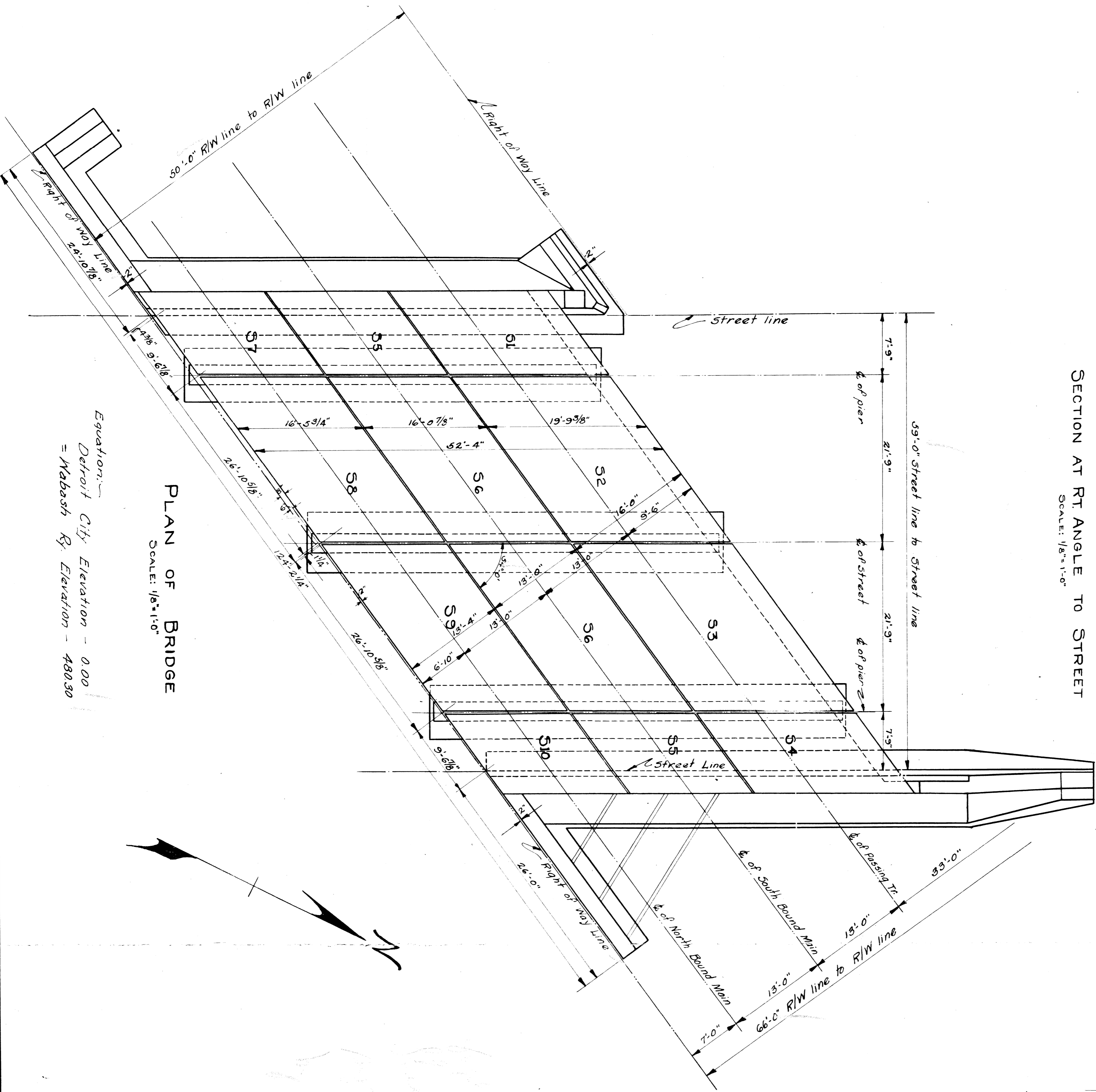
File XU 35-12



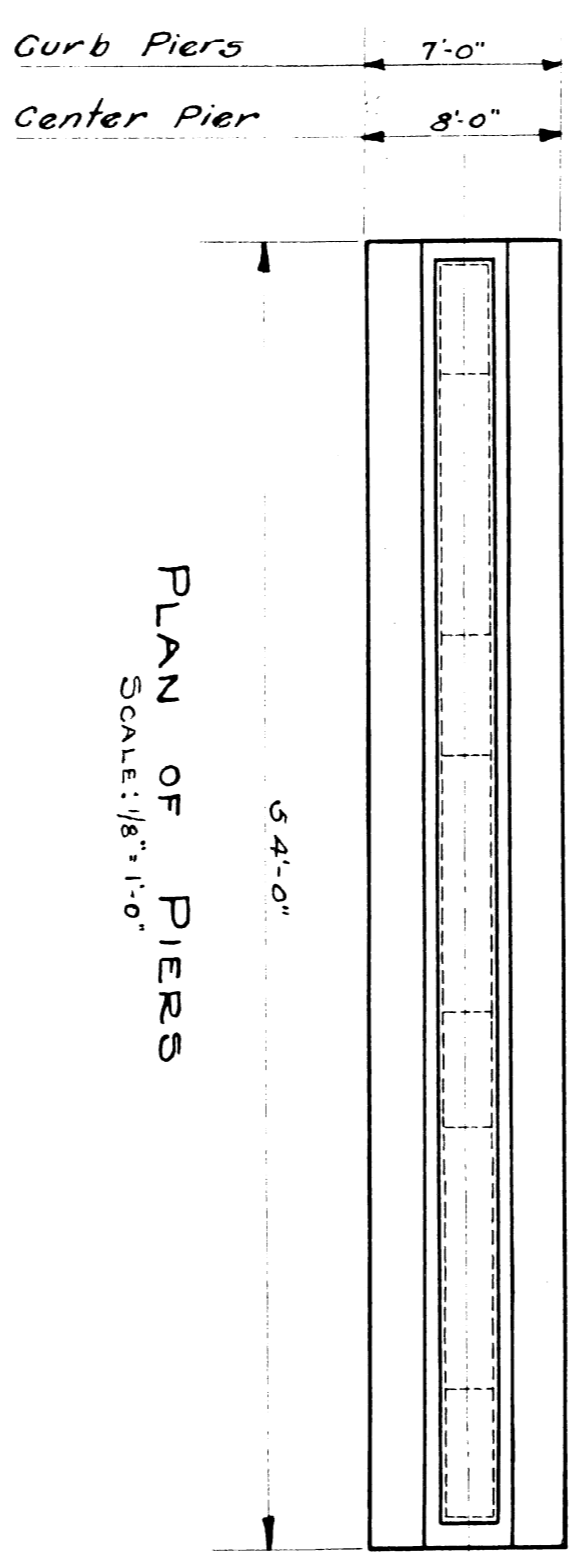
SECTION AT RT ANGLE TO STREET  
SCALE: 1/8"=1'-0"



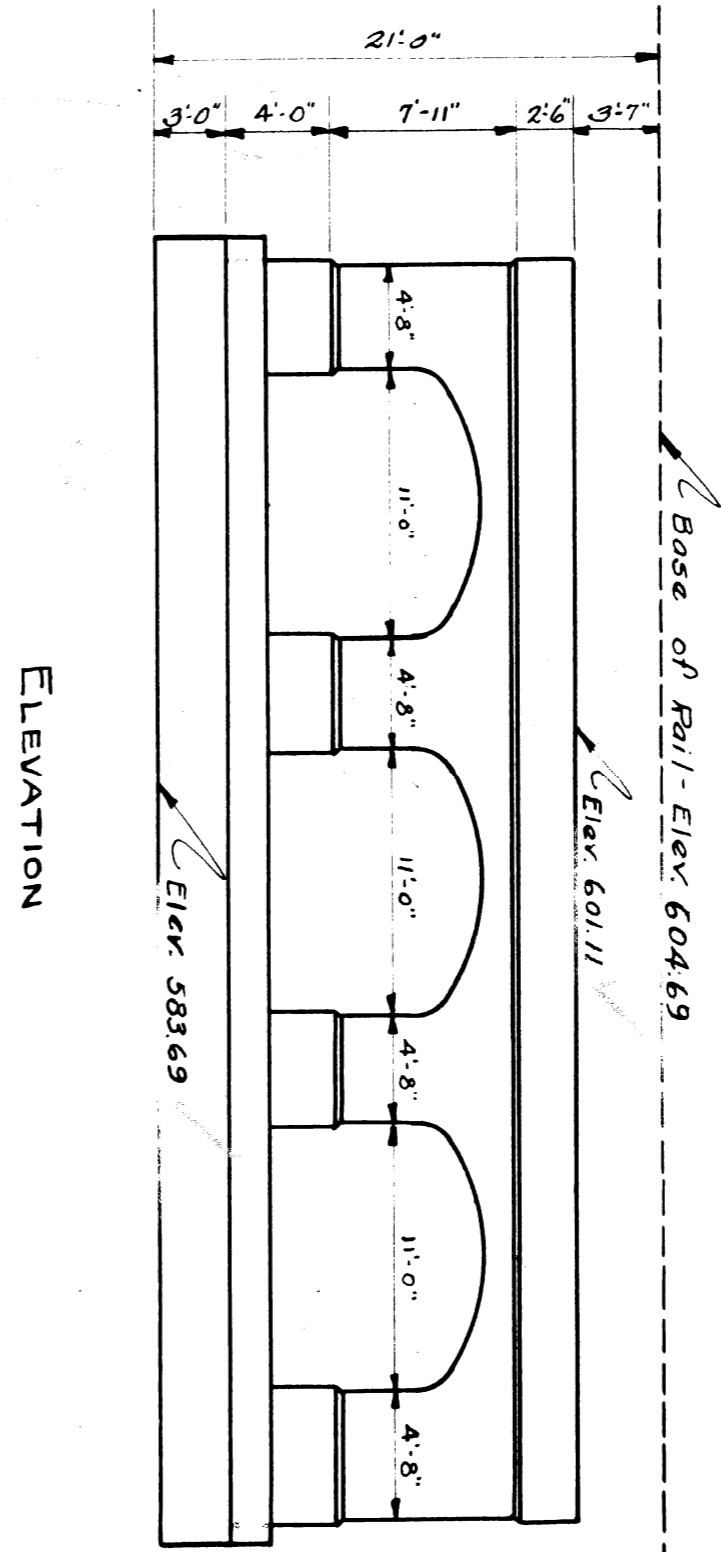
SECTION THRU SLAB  
SCALE: 1/4"=1'-0"



PLAN OF BRIDGE  
SCALE: 1/8"=1'-0"



PLAN OF PIERS  
SCALE: 1/8"=1'-0"



ELEVATION

- LIST OF DRAWINGS
- General Plan ..... 54 #1.
  - Center Pier ..... 54 #2.
  - Curb Pier ..... 54 #3.
  - North Abutment ..... 54 #4.
  - South Abutment ..... 54 #5.
  - Slabs ..... 54 #6.
  - Slab Details ..... 54 #7.
  - Situation Plans ..... 54 #8.
  - Drainage Plans ..... 54 #9.

UNIT	ESTIMATE
Grading	Cu Yds.
Foundation Excavation	800 Cu Yds.
Backfill	1300 Cu Yds.
Sheeting & Shoring	3400 Sq Ft.
Footing Concrete	327.28 Cu Yds.
Abutment Concrete	375.7 Cu Yds.
Pier Concrete	104.3 Cu Yds.
Slab Concrete	283.09 Cu Yds.
Armor Coat	32.3 Squares
Reinforcing Rods	82,365.0 Pounds
I-Beams	124,644 Pounds
S.H. Rails	9240 Pounds
Slab Waterproofing	32.3 Squares
Abutment Waterproofing	24.25 Squares
Expansion Board	52.3 Lin. Ft.
Handrail	80.55 Lin. Ft.
Tile Drain	Lin. Ft.
Sewer connection	Lin. Ft.

**WABASH RAILWAY**  
DETROIT TERMINAL DIVISION  
GENERAL PLAN  
GREEN STREET

DETROIT, MICHIGAN  
OFFICE OF THE CHIEF ENGINEER  
SCALE: AS SHOWN  
DATE: 7/8/27.

SHEET 1 OF 10

File XV35-13

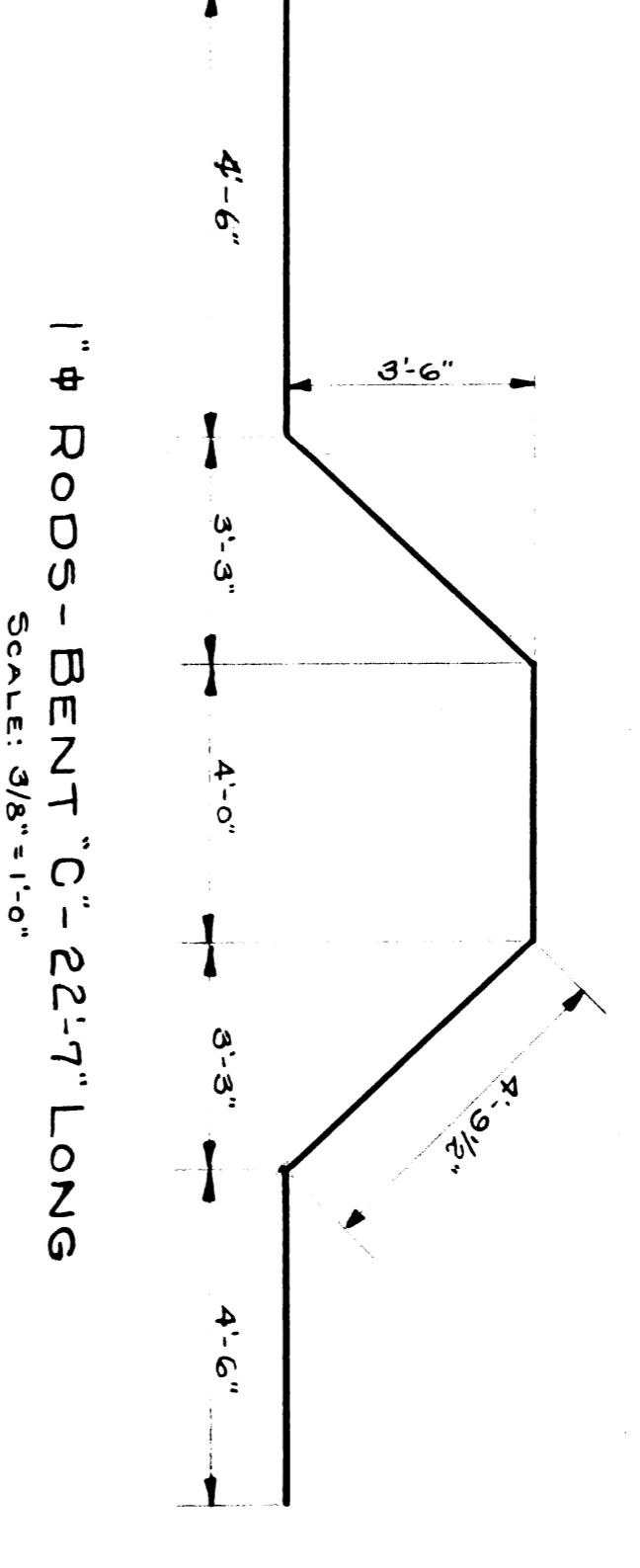
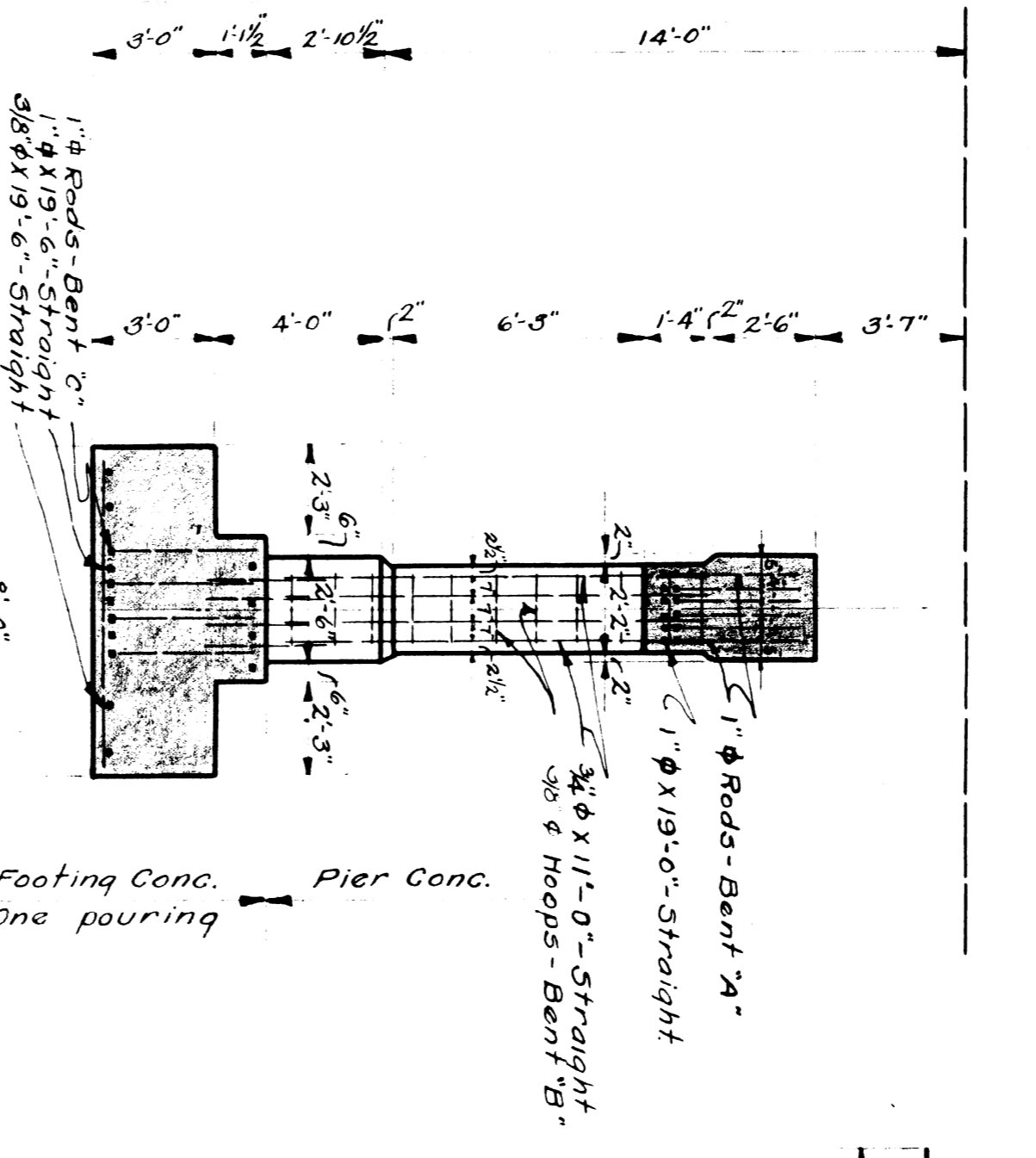
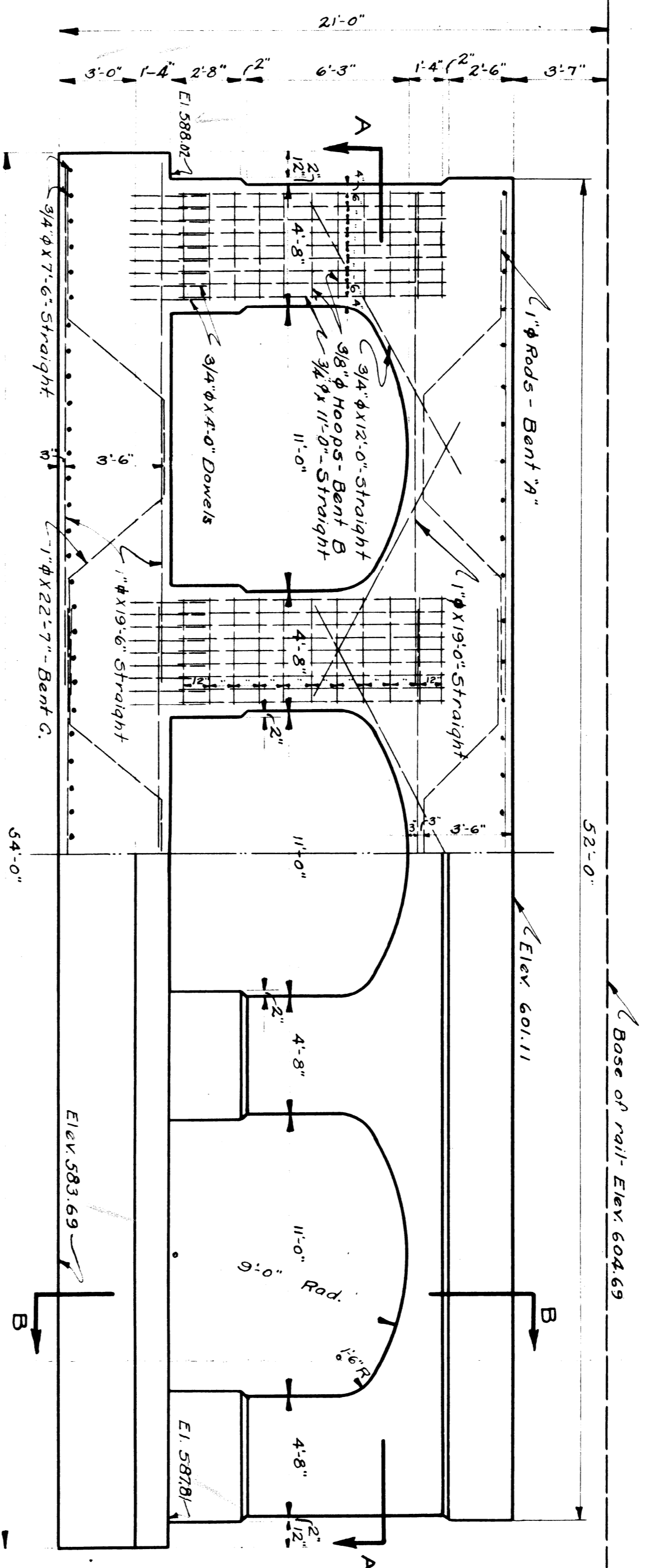
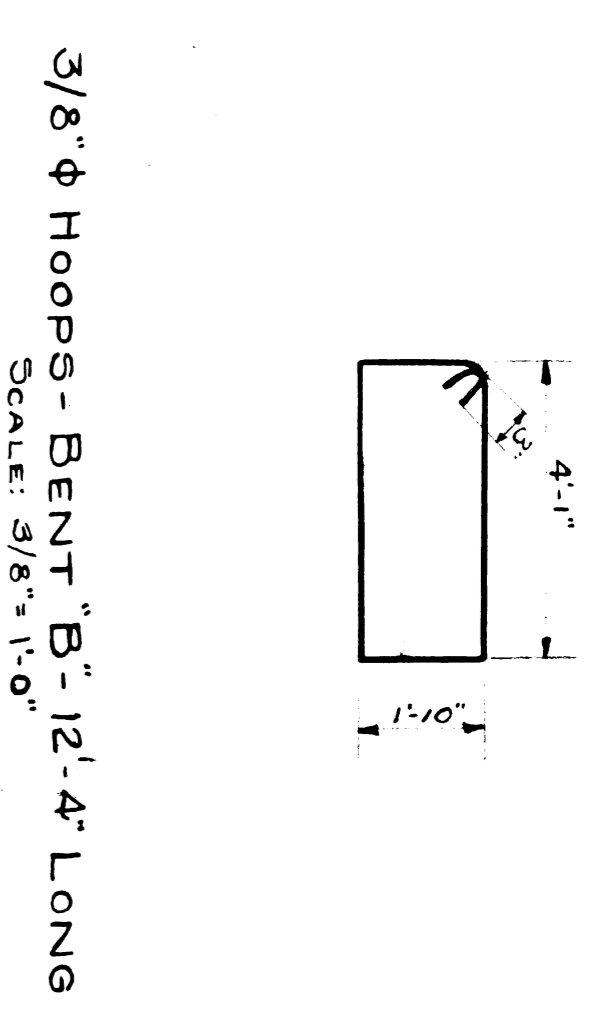
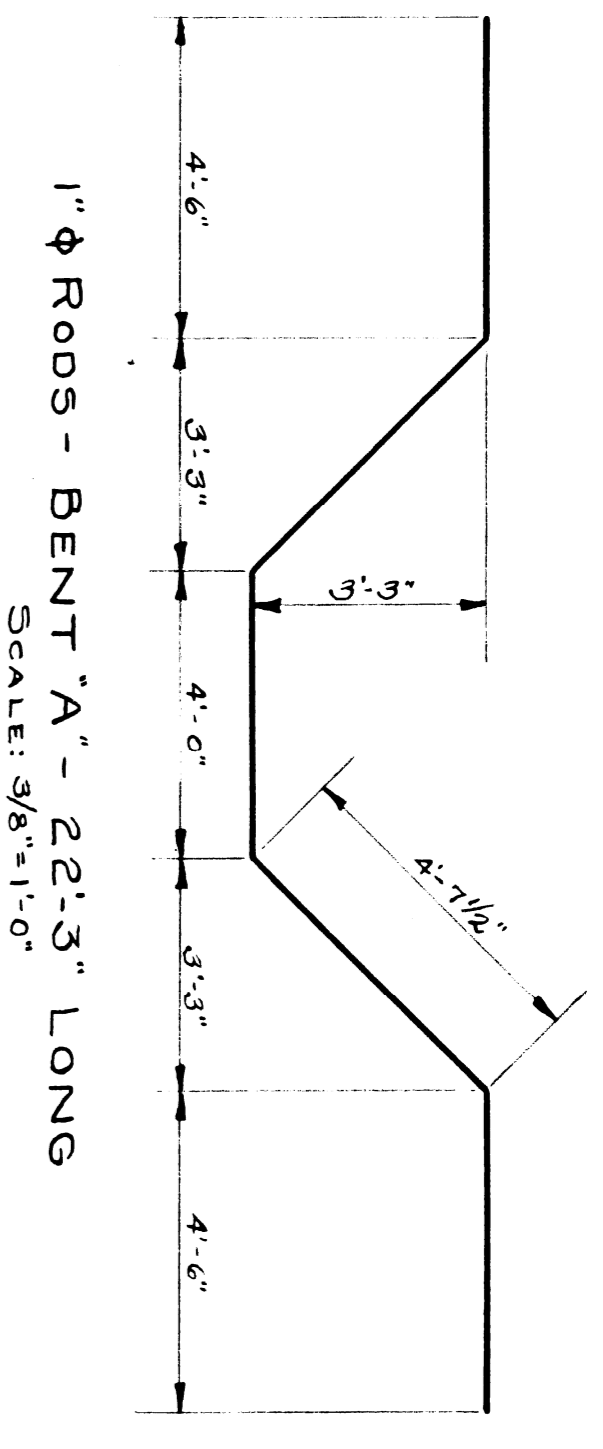
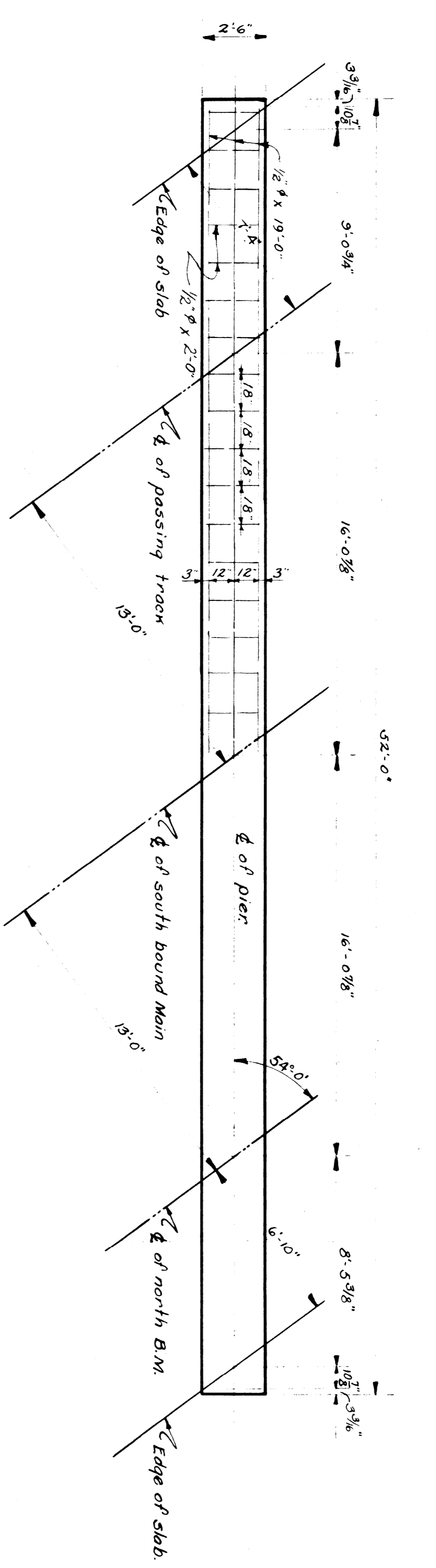
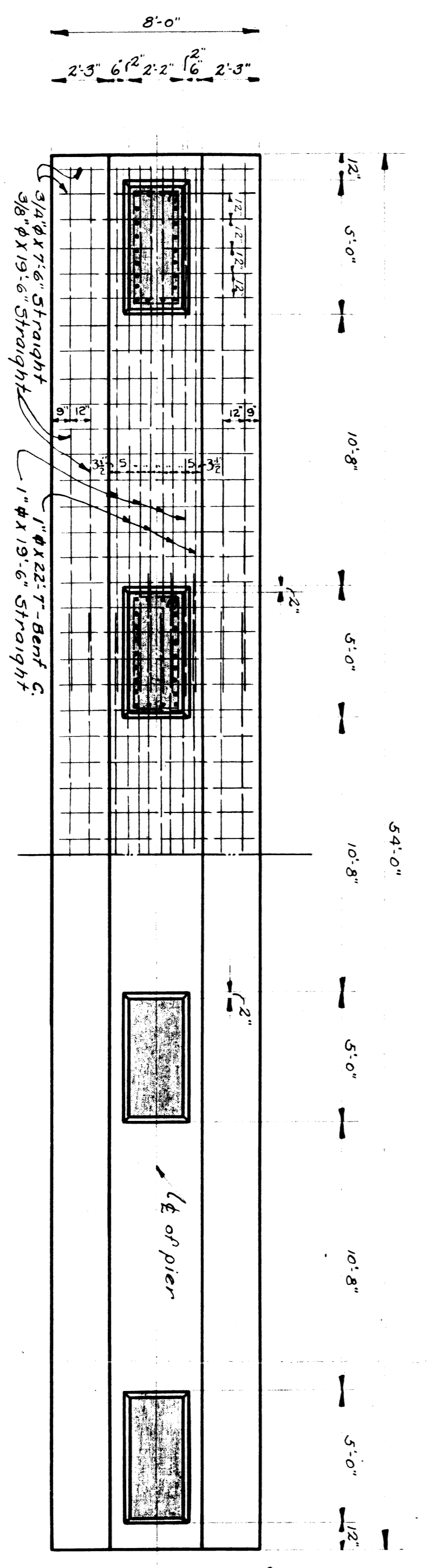
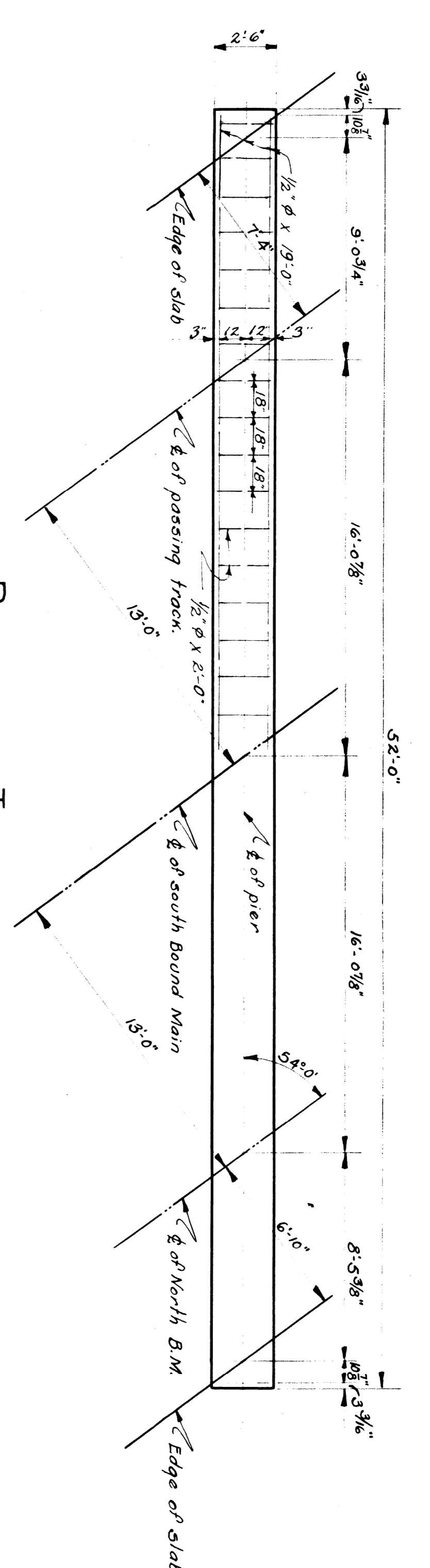


TABLE OF RODS			
No.	SIZE	LENGTH	REMARKS
18	1" $\Phi$	22'-3"	4" Bent "A"
18	1" $\Phi$	19'-0"	4" Straight
88	3/8" $\Phi$	11'-0"	6" Bent "B"
44	3/8" $\Phi$	12'-4"	12" Hoops - Bent "B"
18	3/4" $\Phi$	12'-0"	7" Straight
88	3/4" $\Phi$	4'-0"	5" DOWELS
24	1" $\Phi$	19'-6"	8" Straight
54	3/4" $\Phi$	22'-7"	8" Bent "C"
12	3/8" $\Phi$	7'-6"	12" Straight
12	3/8" $\Phi$	19'-6"	12" Straight
9	1/2" $\Phi$	19'-0"	12" Straight
35	1/2" $\Phi$	2'-0"	18" Straight

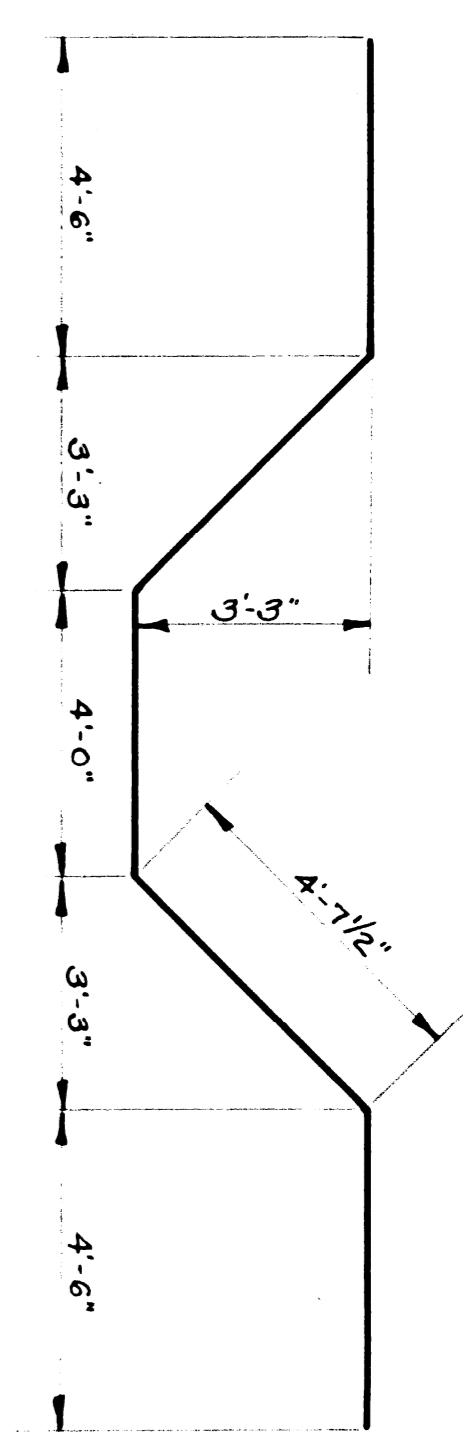
TABLE OF QUANTITIES		
UNIT	ESTIMATE	
Footing Concrete	55.7	Cu. Yds
Pier Concrete	34.8	Cu. Yds.
Reinforcing Rods	7641.00	Pounds



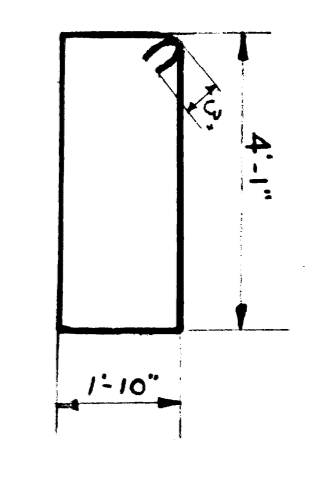
**WABASH RAILWAY**  
DETROIT TERMINAL DIVISION  
CENTER PIER  
GREEN STREET  
DETROIT, MICHIGAN  
OFFICE OF THE CHIEF ENGINEER  
SCALE: AS SHOWN DATE: 7/8/27



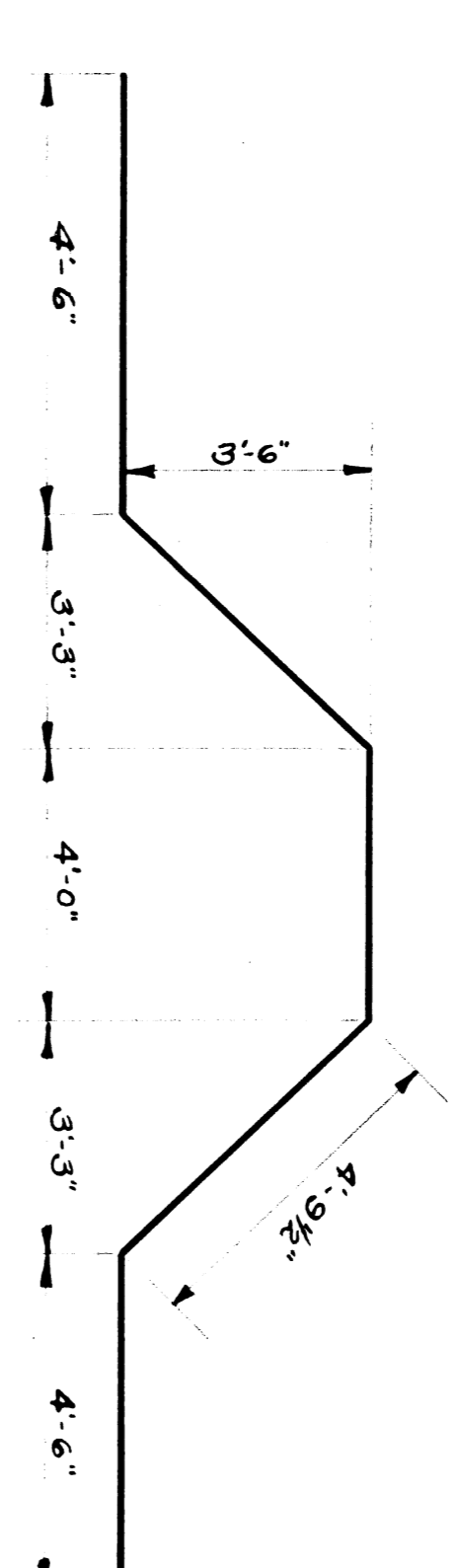
PLAN OF TOP  
Scale: 1/4"=1'-0"



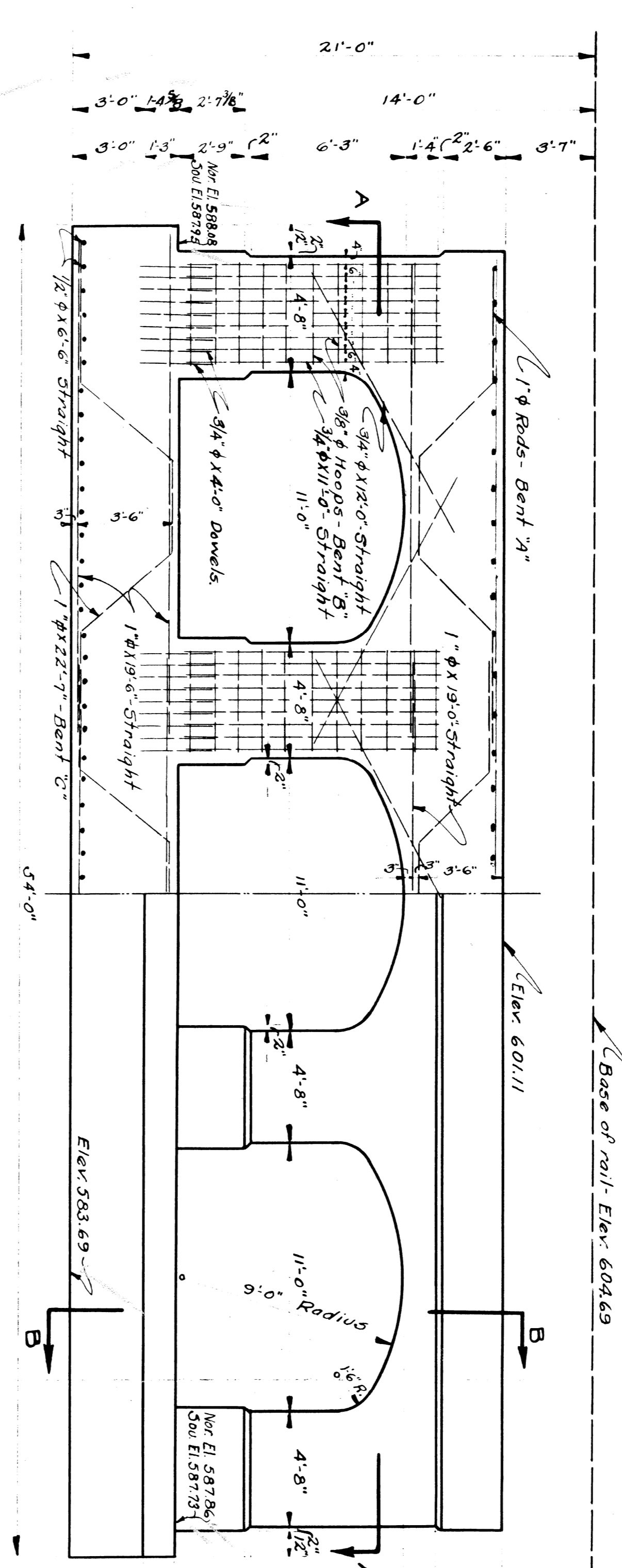
1" RODS - BENT "A" - 22'-3" LONG  
Scale: 3/8"=1'-0"



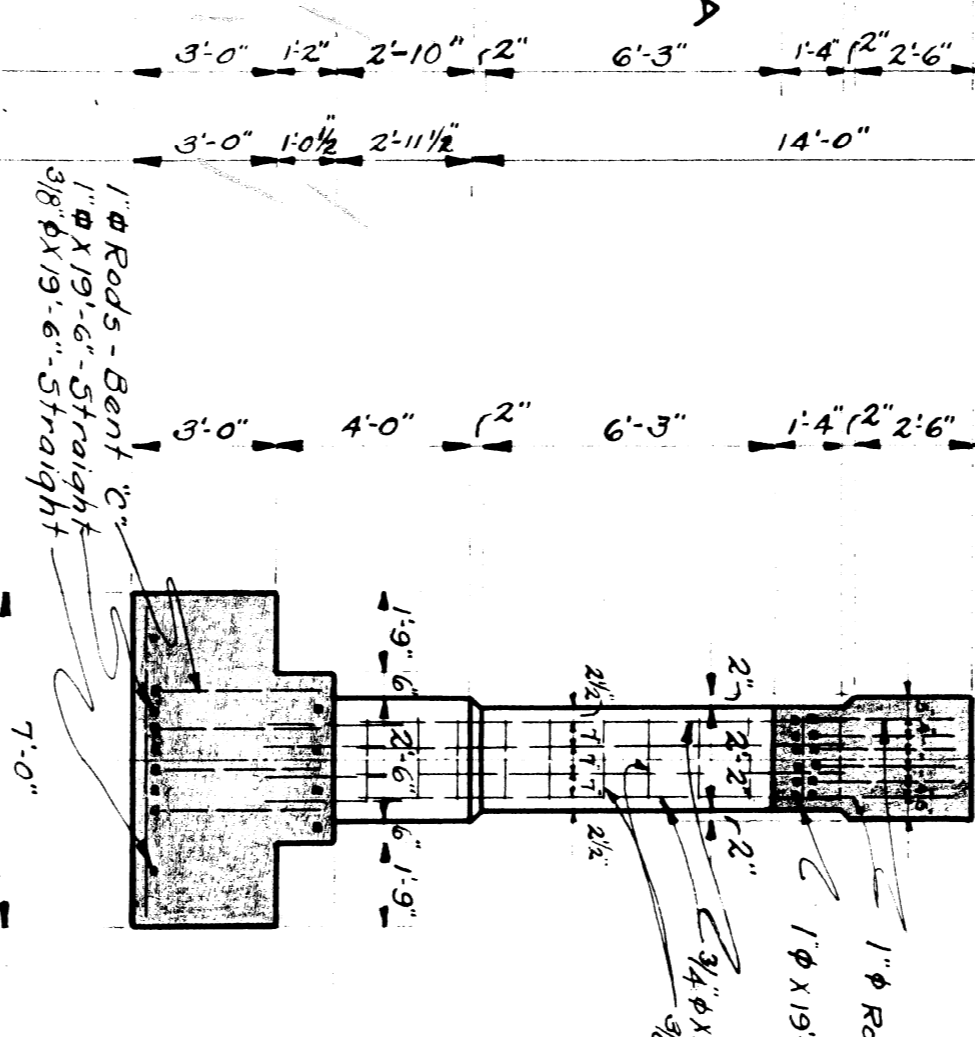
3/8" HOOPS - BENT "B" - 12'-4" LONG  
Scale: 9/8"=1'-0"



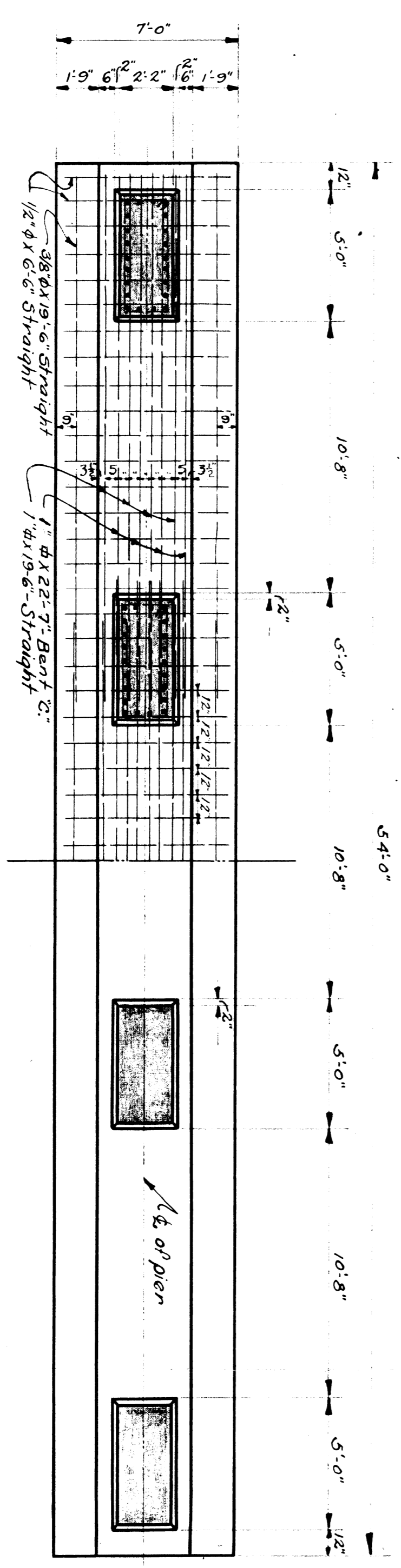
1" RODS - BENT "C" - 22'-7" LONG  
Scale: 3/8"=1'-0"



ELEVATION OF PIER  
Scale: 1/4"=1'-0"



SECTION "B-B"  
Scale: 1/4"=1'-0"



SECTION "A-A"  
Scale: 1/4"=1'-0"

NO.	SIZE	LENGTH	C/O C.	REMARKS
36	1" φ	22'-3"	4	Bent "A"
36	1" φ	19'-0"	4	Straight
176	3/8" φ	11'-0"	687	Straight
88	3/8" φ	12'-4"	12	Hoops - Bent "B"
36	3/4" φ	12'-0"	7	Straight
176	3/4" φ	4'-0"	687	Dowels
48	1" φ	19'-6"	8	Straight
24	1" φ	22'-7"	8	Bent "C"
108	1/2" φ	6'-6"	12	Straight
12	3/8" φ	19'-0"	—	Straight
18	1/2" φ	19'-0"	12	Straight
70	1/2" φ	2'-0"	18	Straight

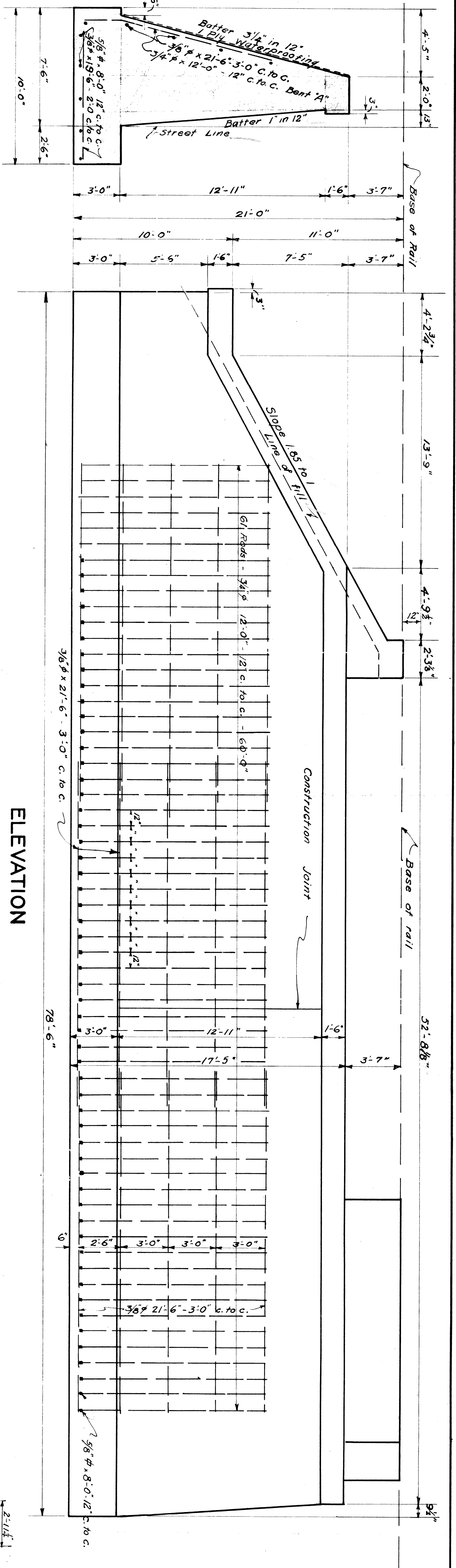
UNIT	ESTIMATE
Footing Concrete	101.4 Cu. Yds.
Pier Concrete	69.5 Cu. Yds.
Reinforcing Rods	15228 Pounds

**WABASH RAILWAY**  
DETROIT TERMINAL DIVISION  
CURB PIERS  
GREEN STREET

DETROIT, MICHIGAN  
OFFICE OF THE CHIEF ENGINEER  
SCALE: AS SHOWN  
DATE: 7/9/27

SHEET 3 OF 10

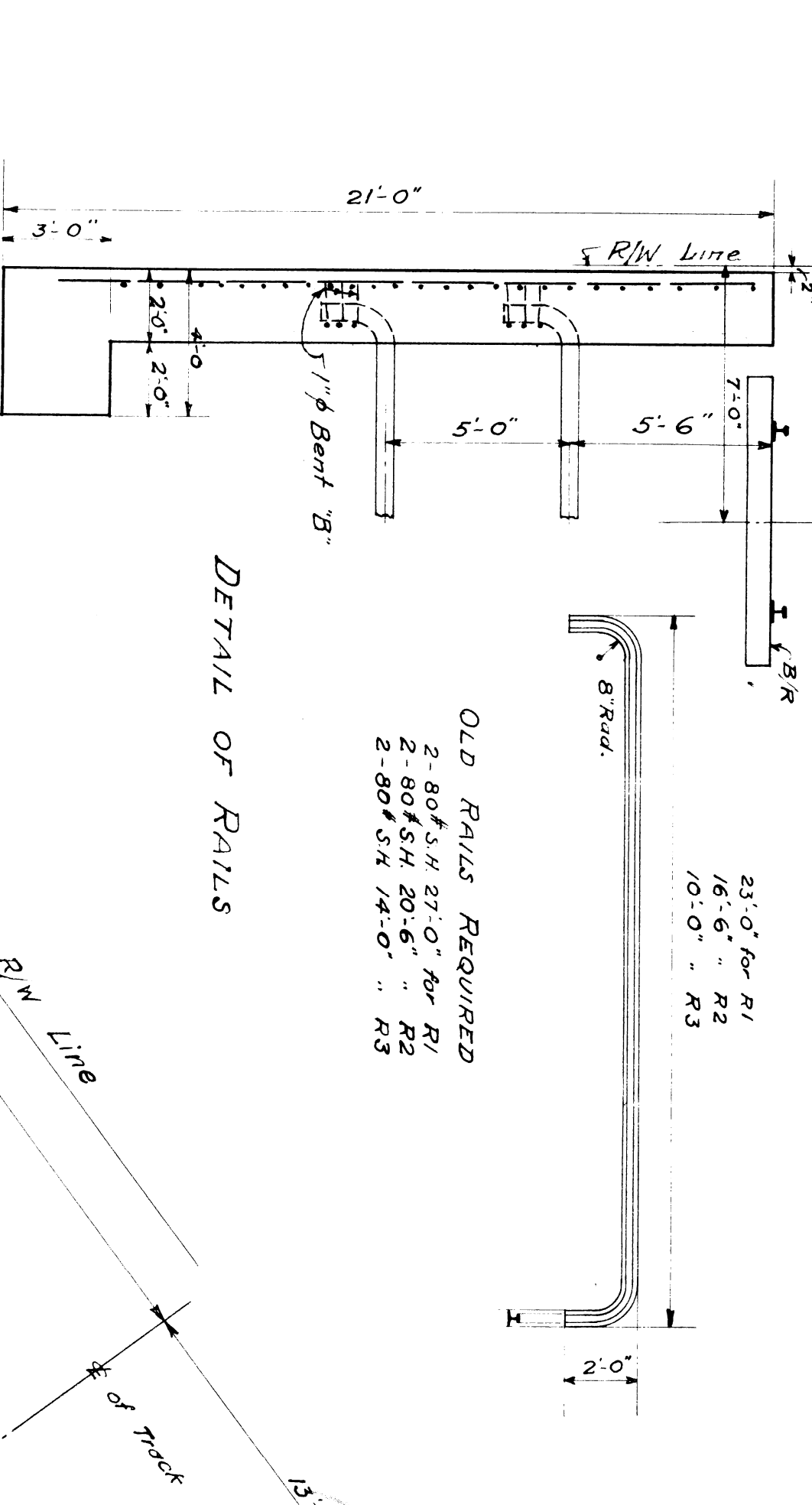
DESIGNED BY H.O.P. TRACKED BY H.O.P. CHECKED BY A.H.S.  
File XU35-15



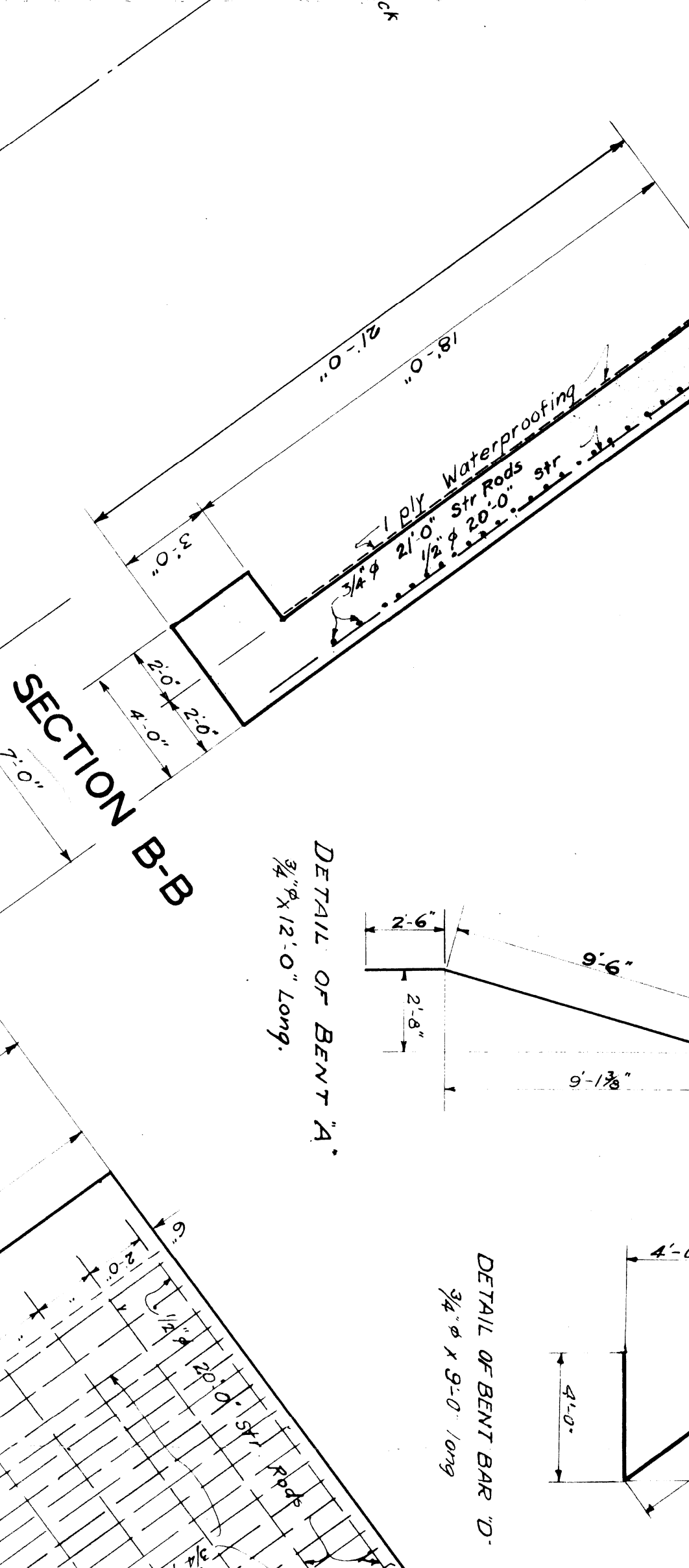
**TABLE OF REINFORCING RODS**

No.	Location	Length	Size	No.	Kind
55	Abutment	8' 0"	3/8" # 12	57	Str.
56	R. Arm	7' 10"	1" # 16	58	Bent "B"
57	R. Arm	7' 10"	1" # 16	59	Bent "A"
58	R. Arm	7' 10"	1" # 16	60	Str.
59	R. Arm	7' 10"	1" # 16	61	Str.
60	R. Arm	7' 10"	1" # 16	62	Str.
61	R. Arm	7' 10"	1" # 16	63	Str.
62	R. Arm	7' 10"	1" # 16	64	Str.
63	R. Arm	7' 10"	1" # 16	65	Str.
64	R. Arm	7' 10"	1" # 16	66	Str.
65	R. Arm	7' 10"	1" # 16	67	Str.
66	R. Arm	7' 10"	1" # 16	68	Str.
67	R. Arm	7' 10"	1" # 16	69	Str.
68	R. Arm	7' 10"	1" # 16	70	Str.
69	R. Arm	7' 10"	1" # 16	71	Str.
70	R. Arm	7' 10"	1" # 16	72	Str.
71	R. Arm	7' 10"	1" # 16	73	Str.
72	R. Arm	7' 10"	1" # 16	74	Str.
73	R. Arm	7' 10"	1" # 16	75	Str.

**SECTION A-A**



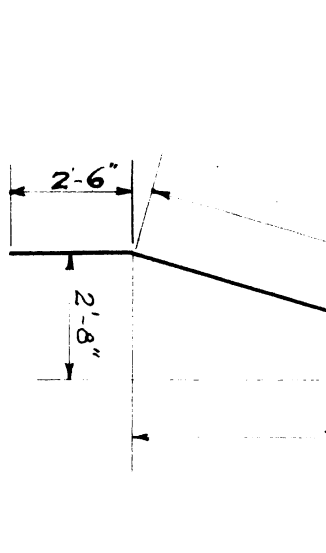
**ELEVATION**



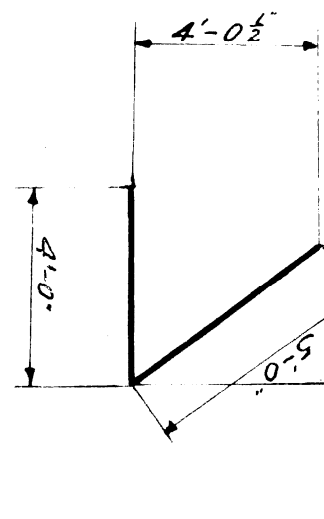
**DETAIL OF RAILS**

OLD RAILS REQUIRED  
 2-80'x 21'-0" R1  
 2-80'x 20'-6" R2  
 2-80'x 14'-0" R3

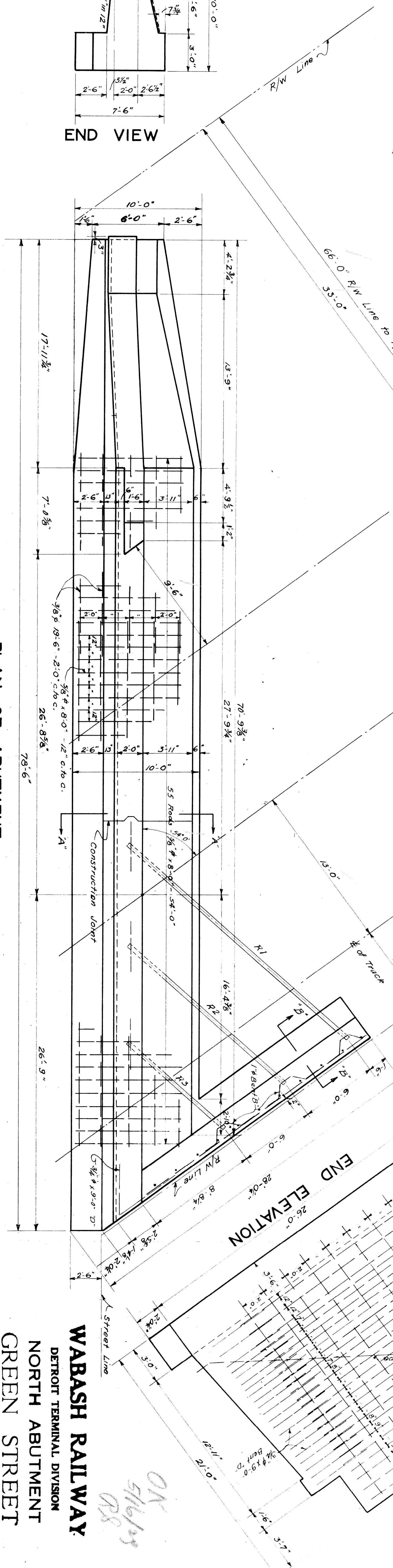
**DETAIL OF BENT BAR 'A'**



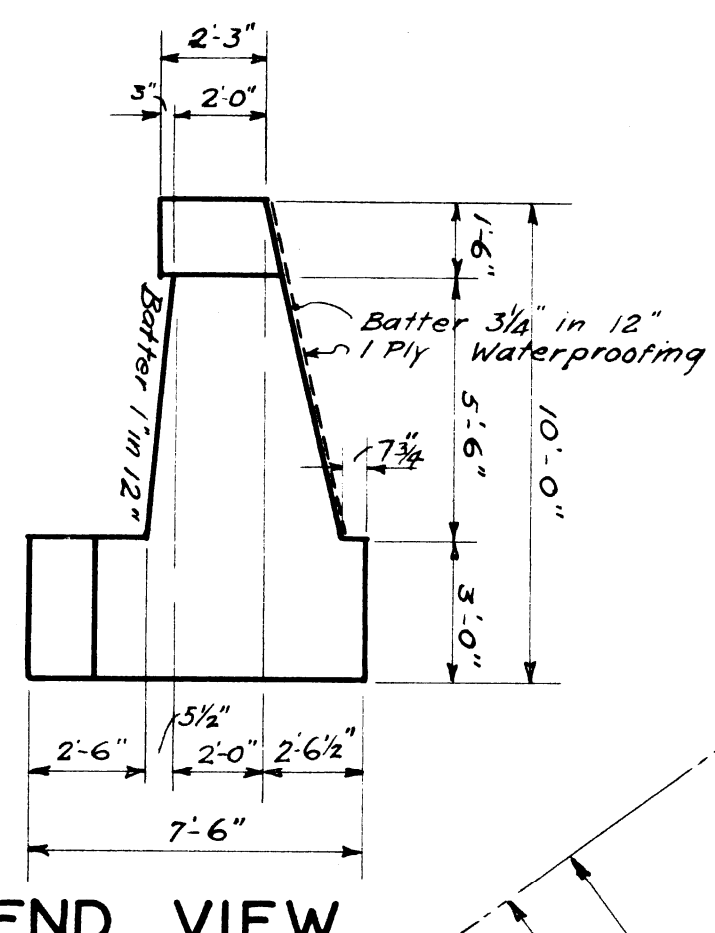
**DETAIL OF BENT BAR 'D'**



**SECTION B-B**



**END VIEW**



**PLAN OF ABUTMENT**

**WABASH RAILWAY**  
 DETROIT TERMINAL DIVISION  
 NORTH ABUTMENT  
 GREEN STREET  
 DETROIT, MICHIGAN

OFFICE OF THE CHIEF ENGINEER  
 DATE: 7/8/27  
 SCALE: 1/4" = 1'-0"

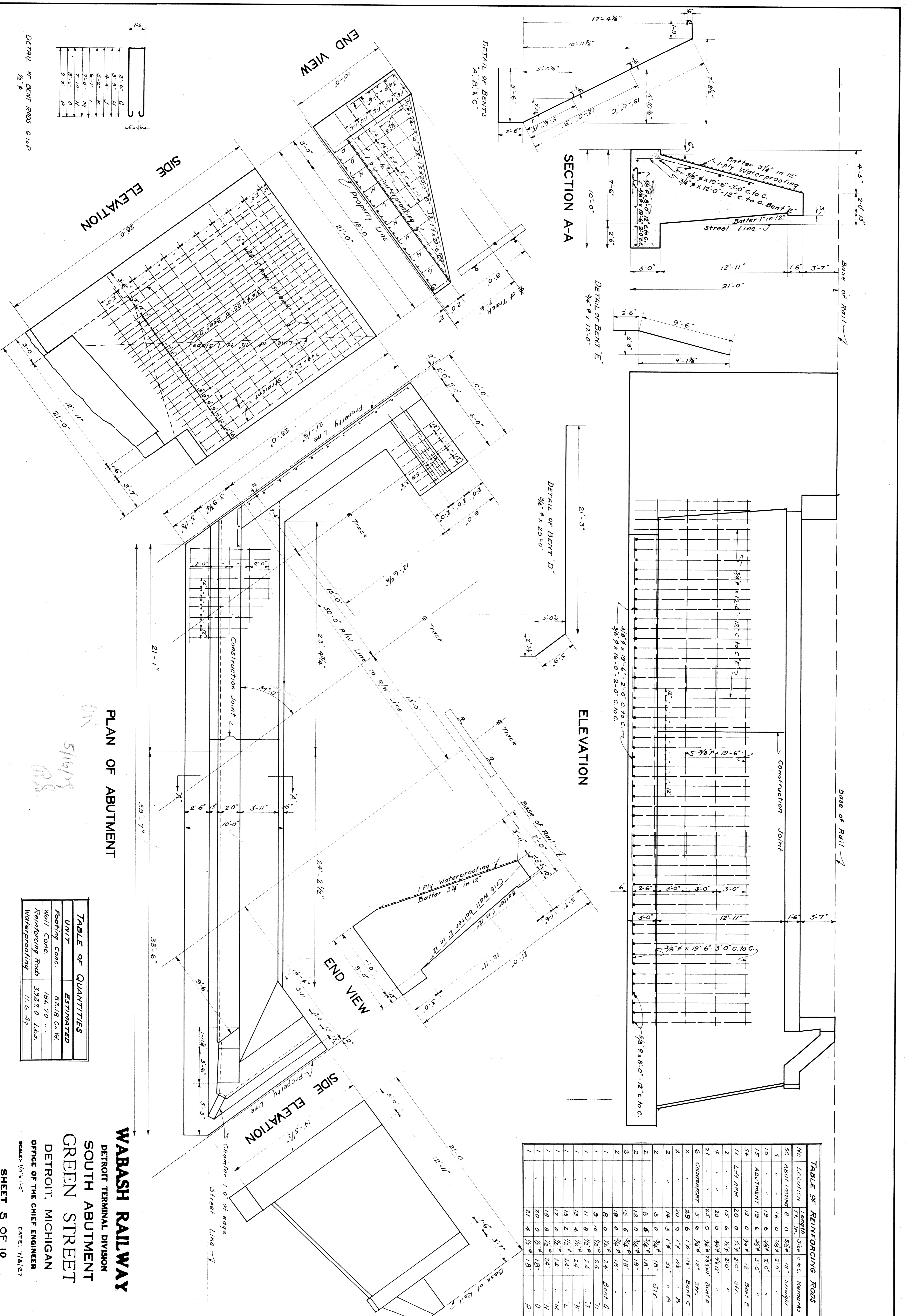
**SHEET 4 OF 10**

DESIGNED BY H.O.P. CHECKED BY H.F.K. ENGINEER BY A.H.S.  
 FILE XW35-16



DETAIL OF BENT ROSS C 10 P  
1/2" P

2'-6"	G
3'-3"	H
4'-0"	I
4'-7"	J
5'-4"	K
6'-1"	L
6'-8"	M
7'-5"	N
8'-2"	O
8'-9"	P



PLAN OF ABUTMENT

ELEVATION

TABLE OF QUANTITIES

UNIT	ESTIMATED
Footing Conc.	82.18 Cu Yd
Wall Conc.	186.70 "
Reinforcing Rods	3327.0 Lbs.
Waterproofing	11.6 Sfy

TABLE OF REINFORCING RODS

No	LOCATION	Length Ft. In.	Size c to c.	Remarks
50	ABUT FOOTING	0	5/8"	12" Straps
5	"	16	0	3/8" 2'-0"
10	"	19	6	3/8" 3'-0"
15	ABUTMENT	19	6	3/8" 3'-0"
54	"	12	0	3/4" 12" Bent E
2	LET ARM	20	0	1/2" 20" "
4	"	20	0	3/4" 20" "
21	"	25	0	3/4" 25" Bent D
6	COUNTERBENT	29	6	3/4" 12" Bent C
2	"	20	9	1 1/2" 10 1/2" Bent A
2	"	14	3	1 1/2" 33" Bent B
2	"	5	0	3/4" 18" Bent G
2	"	8	6	3/4" 18" "
2	"	12	0	1/2" 18" "
2	"	15	6	3/4" 18" "
2	"	19	0	3/4" 18" Bent G
1	"	8	0	1 1/2" 24 Bent G
1	"	9	10	1/2" 24 "
1	"	11	8	1/2" 24 "
1	"	19	4	1/2" 24 "
1	"	15	2	1/2" 24 "
1	"	17	0	1/2" 24 "
1	"	18	0	1/2" 24 "
1	"	20	0	1/2" 18" "
1	"	20	0	1/2" 18" "
1	"	21	4	1/2" 18" "

**WABASH RAILWAY**

DETROIT TERMINAL DIVISION  
SOUTH ABUTMENT  
GREEN STREET

DETROIT, MICHIGAN  
OFFICE OF THE CHIEF ENGINEER  
DATE: 7/8/27

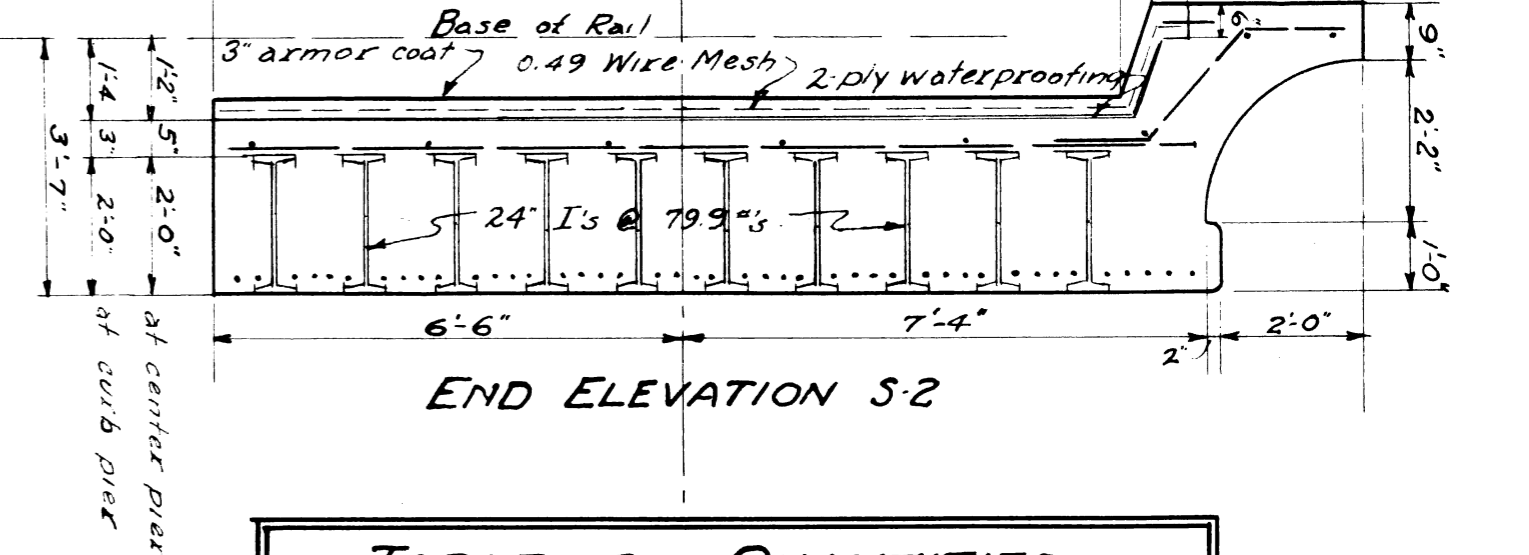
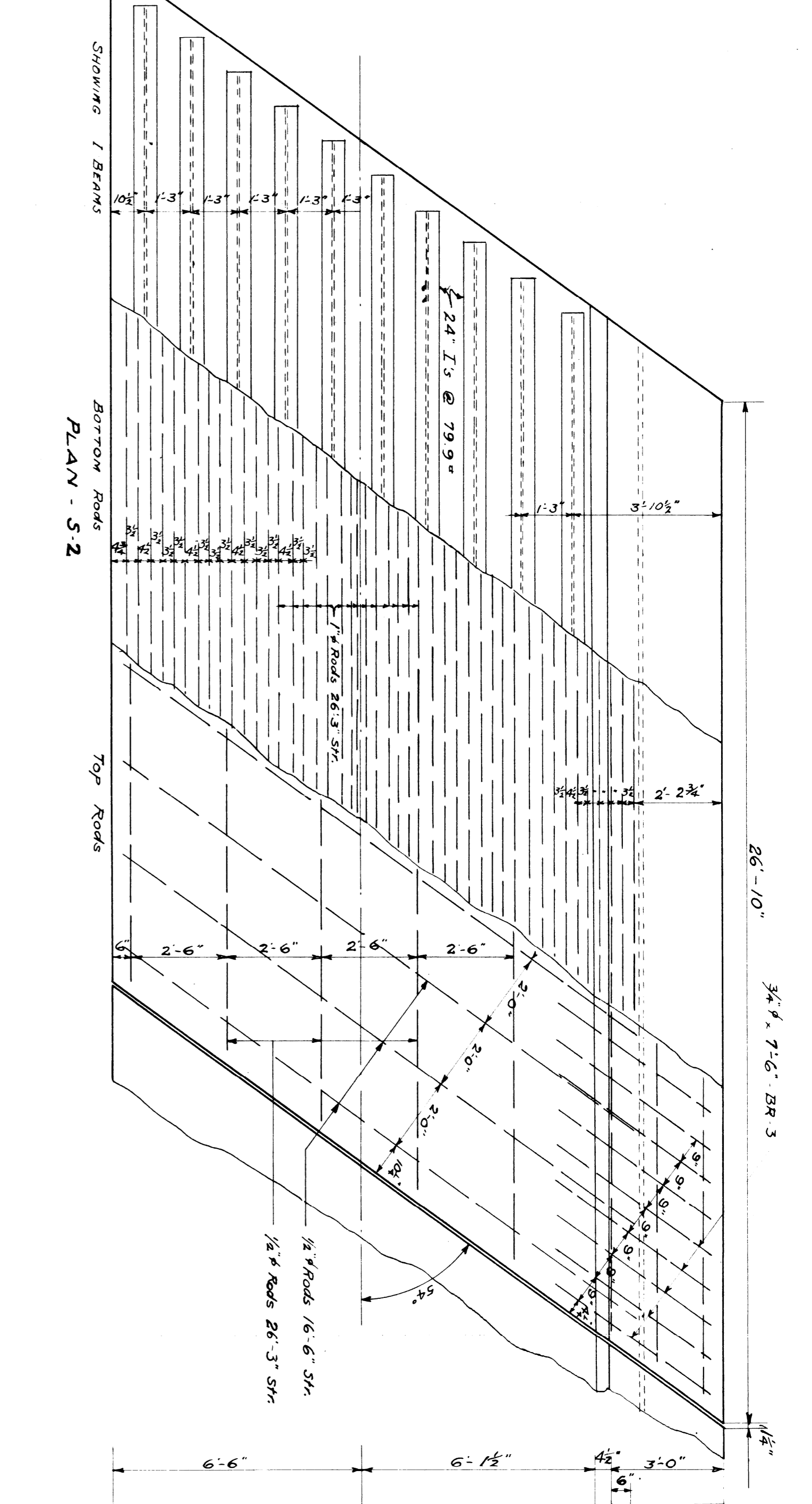
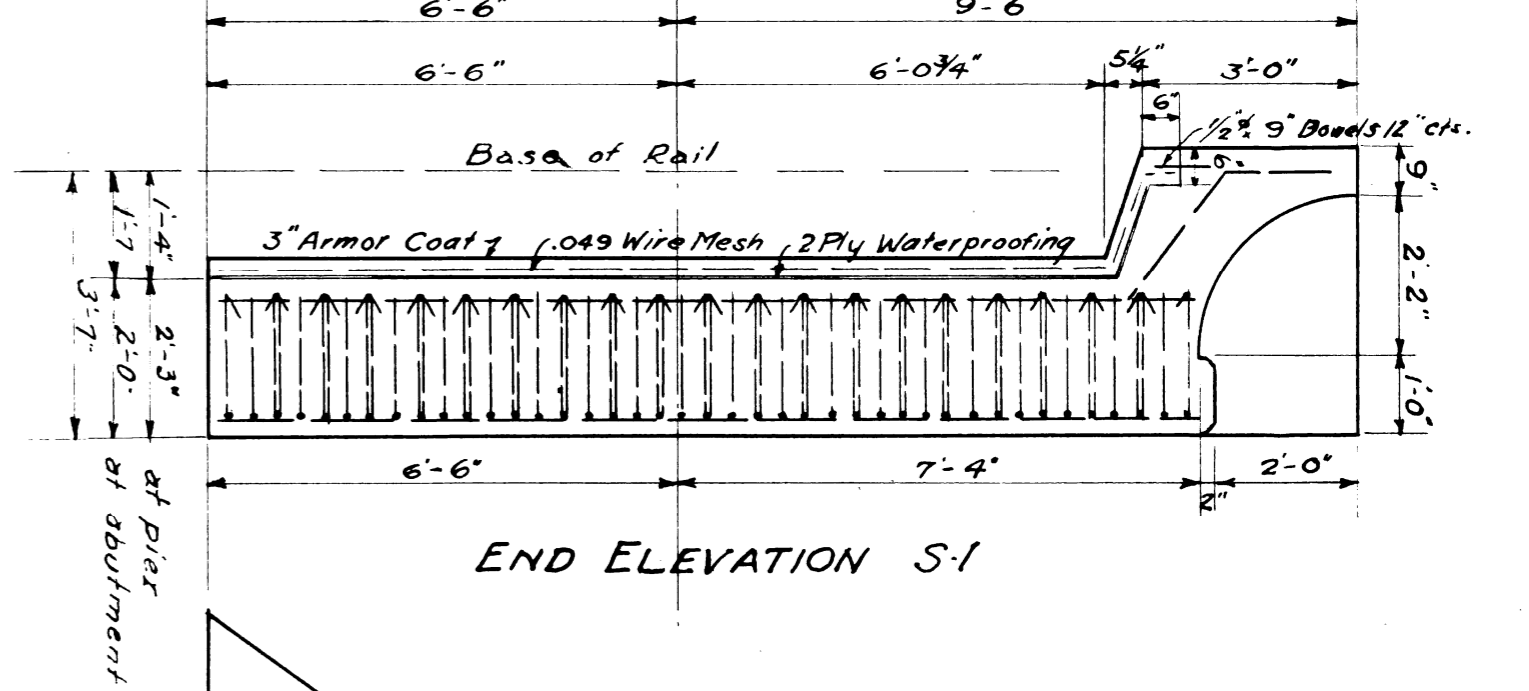
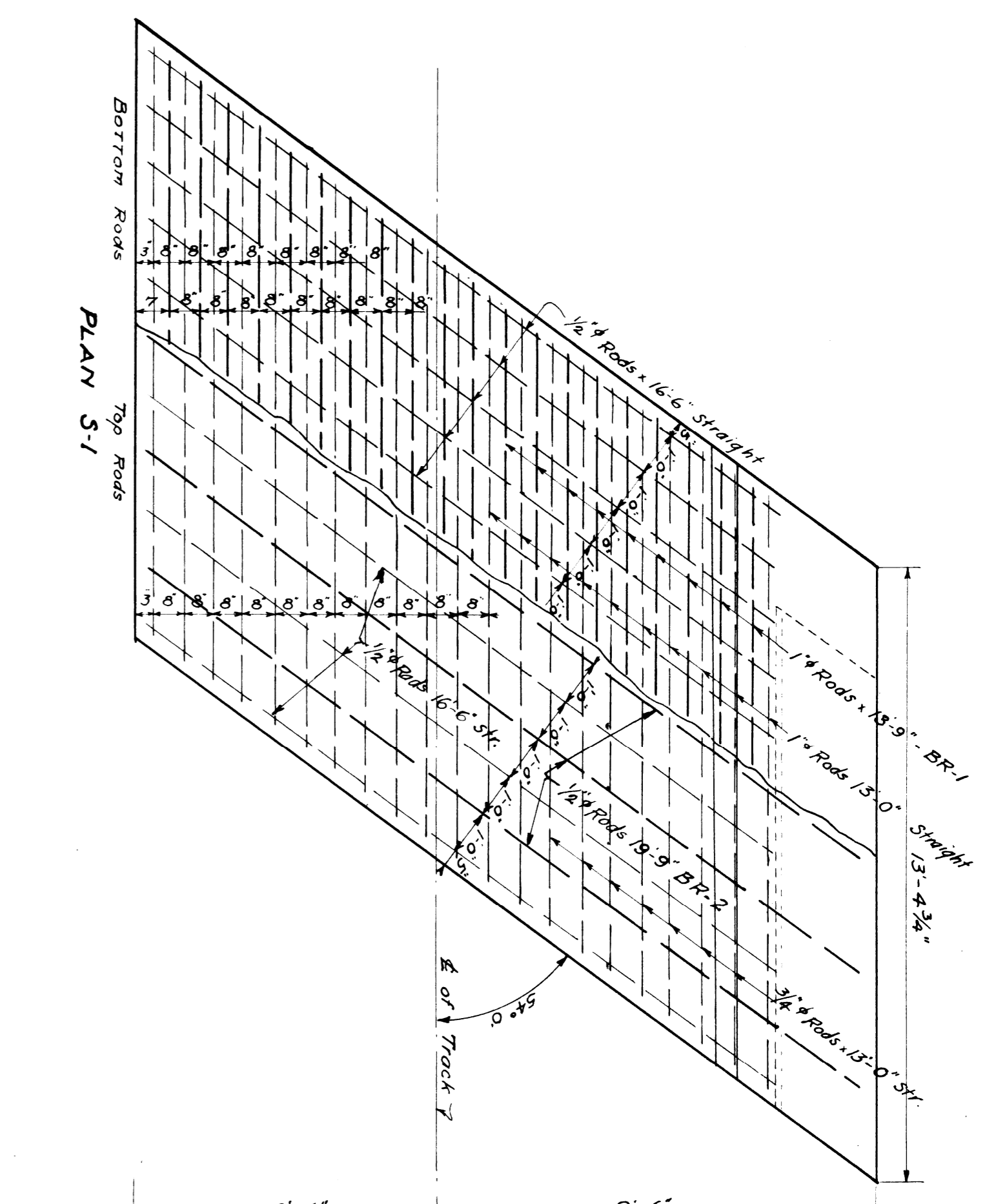
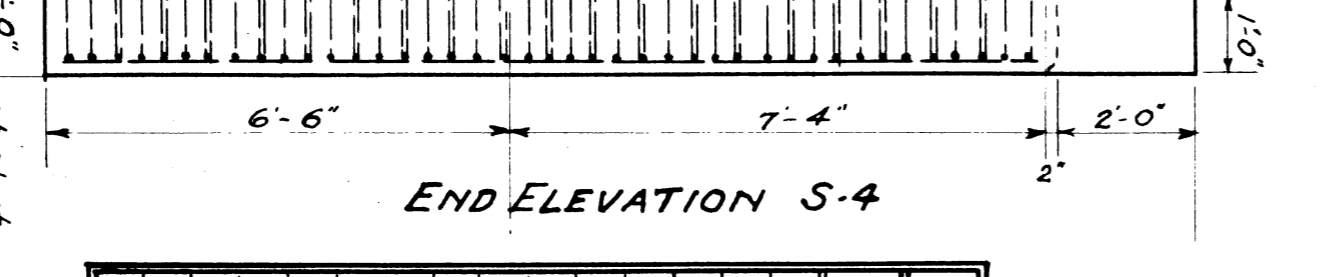
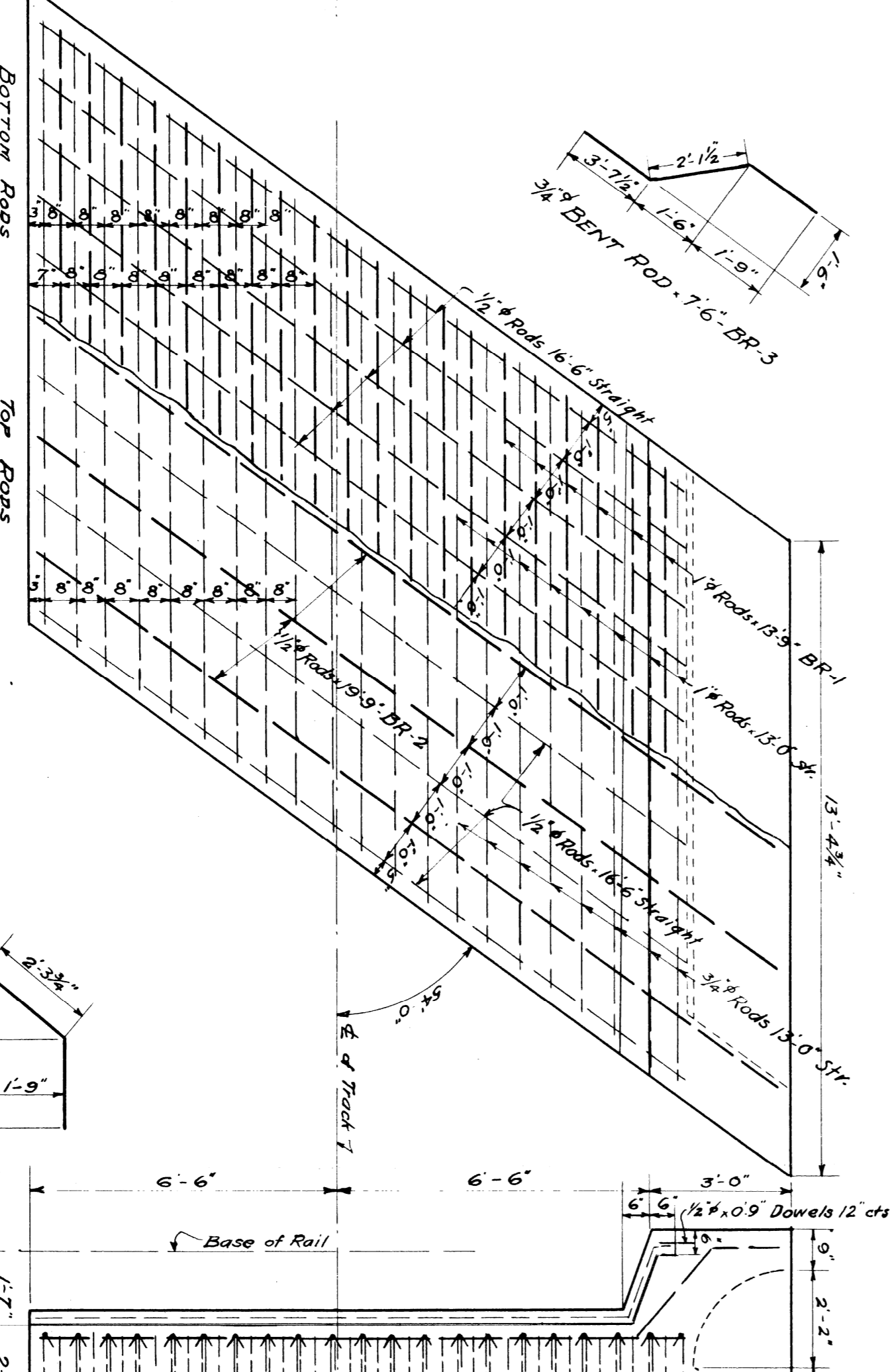
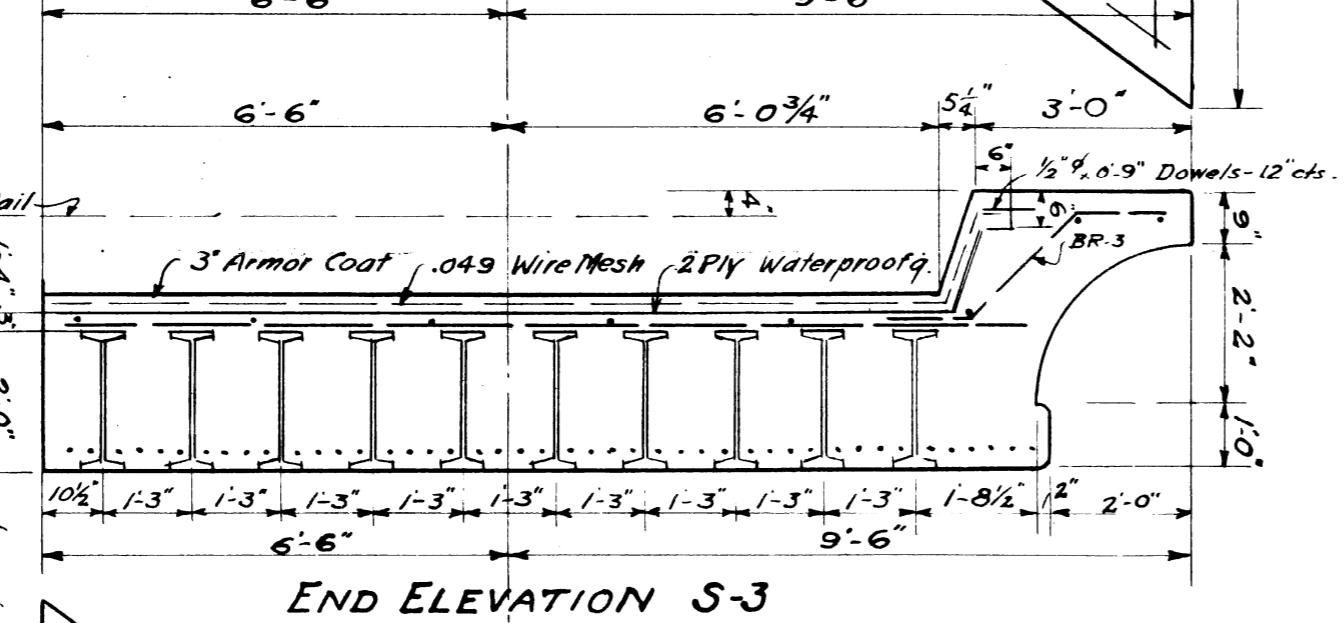
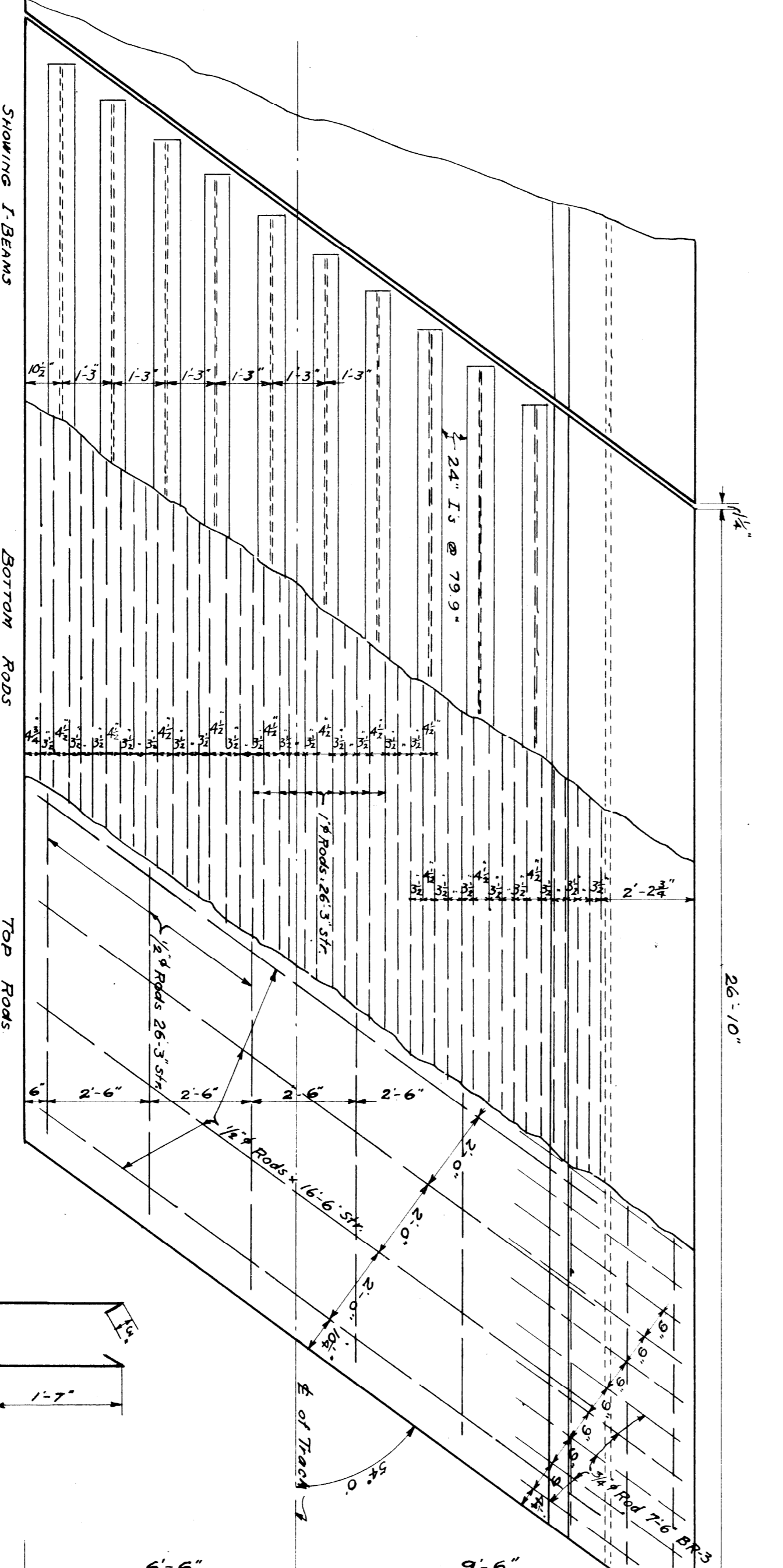
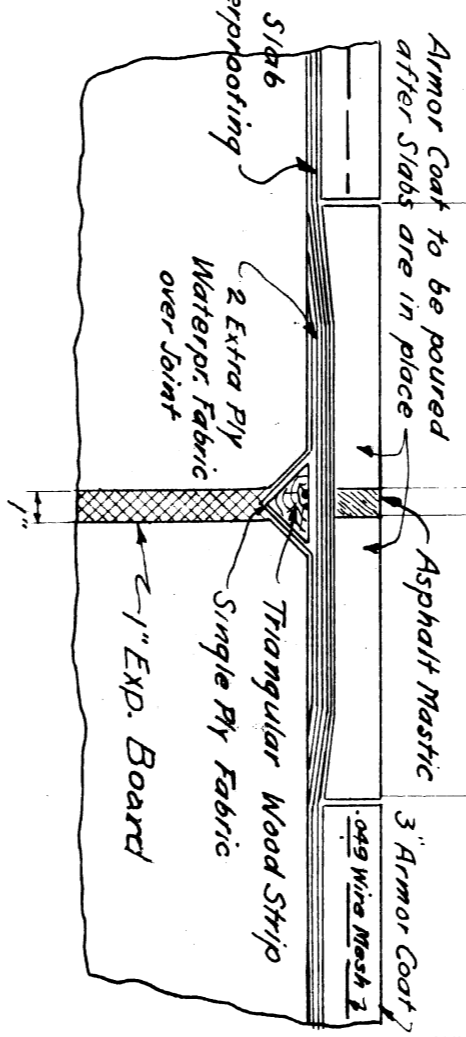
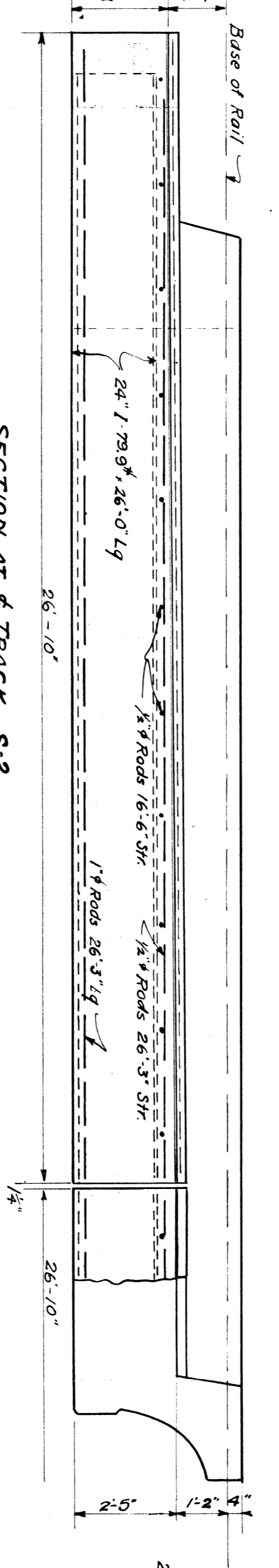
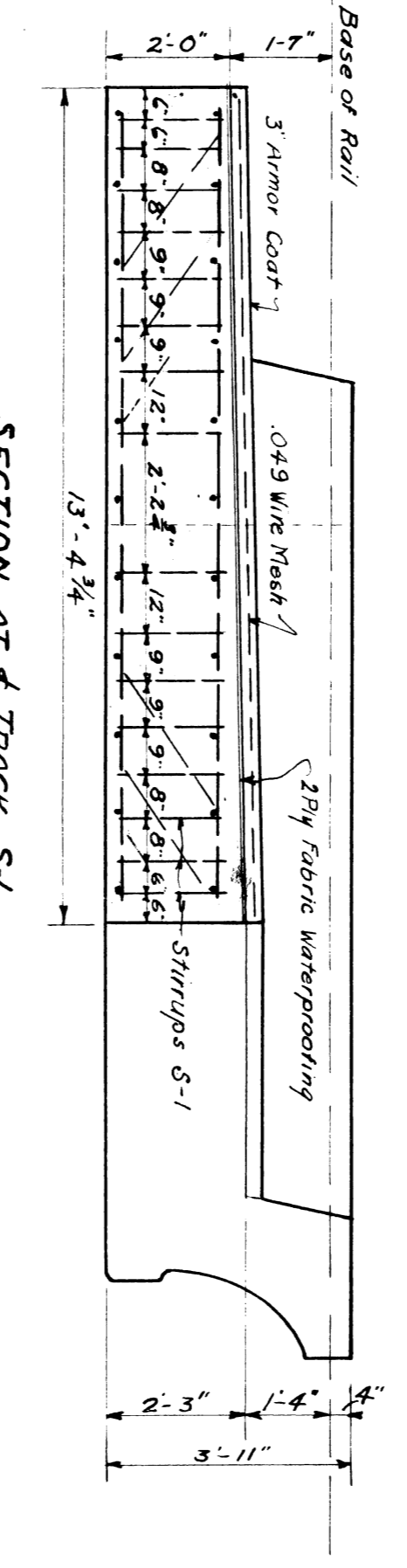
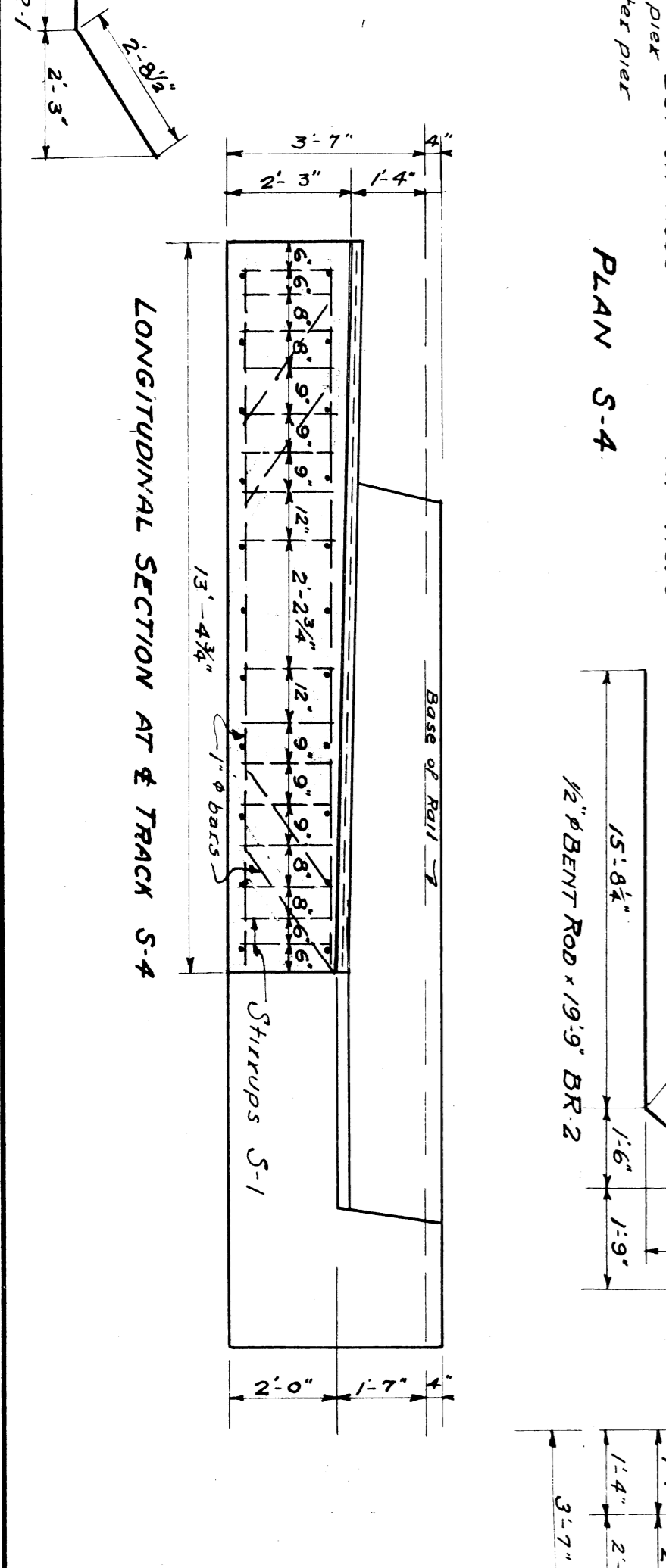
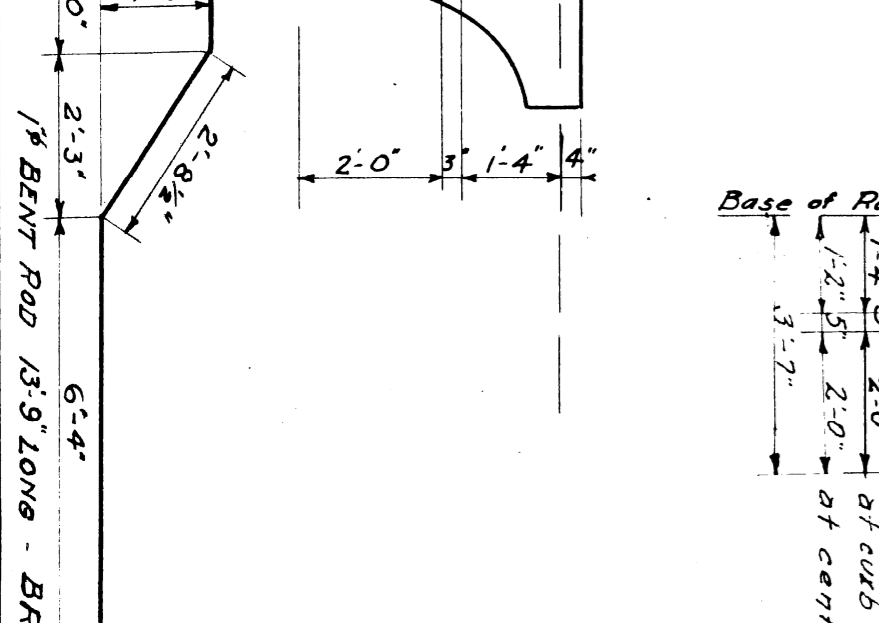
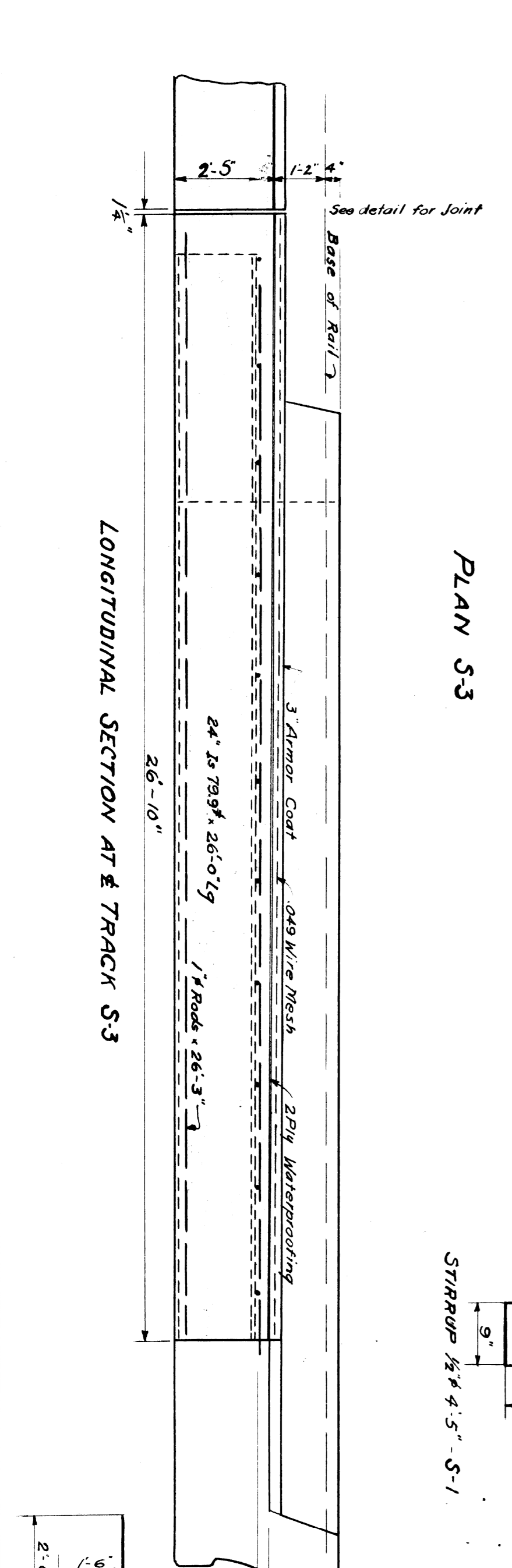


TABLE OF QUANTITIES	
UNIT	ESTIMATED
SLAB CONCRETE	103.68 Cu. Yd.
WATERPROOFING	11.5 Squares
ARMOR COAT	11.5 Squares
REINFORCING RODS	10,832.0 Pounds
I BEAMS	4,548 Pounds



REINFORCING RODS	
No. Slab	Length Size (lbs.) Remarks
640	5-1/8 x 4 4 5 1/2 var. Strips
10	1/2 6 1/2 24 BR-2
10	1/2 6 1/2 24 BR-2
22	1/2 6 1/2 12" Str. Bol.
42	1/2 6 1/2 8"
40	1/2 6 1/2 8" BR-1
88	5-2 x 3 2 6 3 1/8 3 1/2 Str. "
22	1/2 6 1/2 24" Top "
16	1/2 6 1/2 30" "
58	7 6 1/2 9" BR-3 "
80	5-1/2 x 4 0 9 1/2 12" Dowels
42	5-1/8 x 4 13 0 3/4 8" Str. Top



**WABASH RAILWAY**  
 DETROIT TERMINAL DIVISION  
**GREEN STREET**  
 DETROIT, MICHIGAN  
 OFFICE OF THE CHIEF ENGINEER  
 SCALE: 3/8" UNLESS SHOWN OTHERWISE. DATE: 7-11-27  
**SHEET 6 OF 10**  
 DRAWN BY: A.W. TRACED BY: H.F.K. CHECKED BY: A.H.S.  
 FILE X135-18

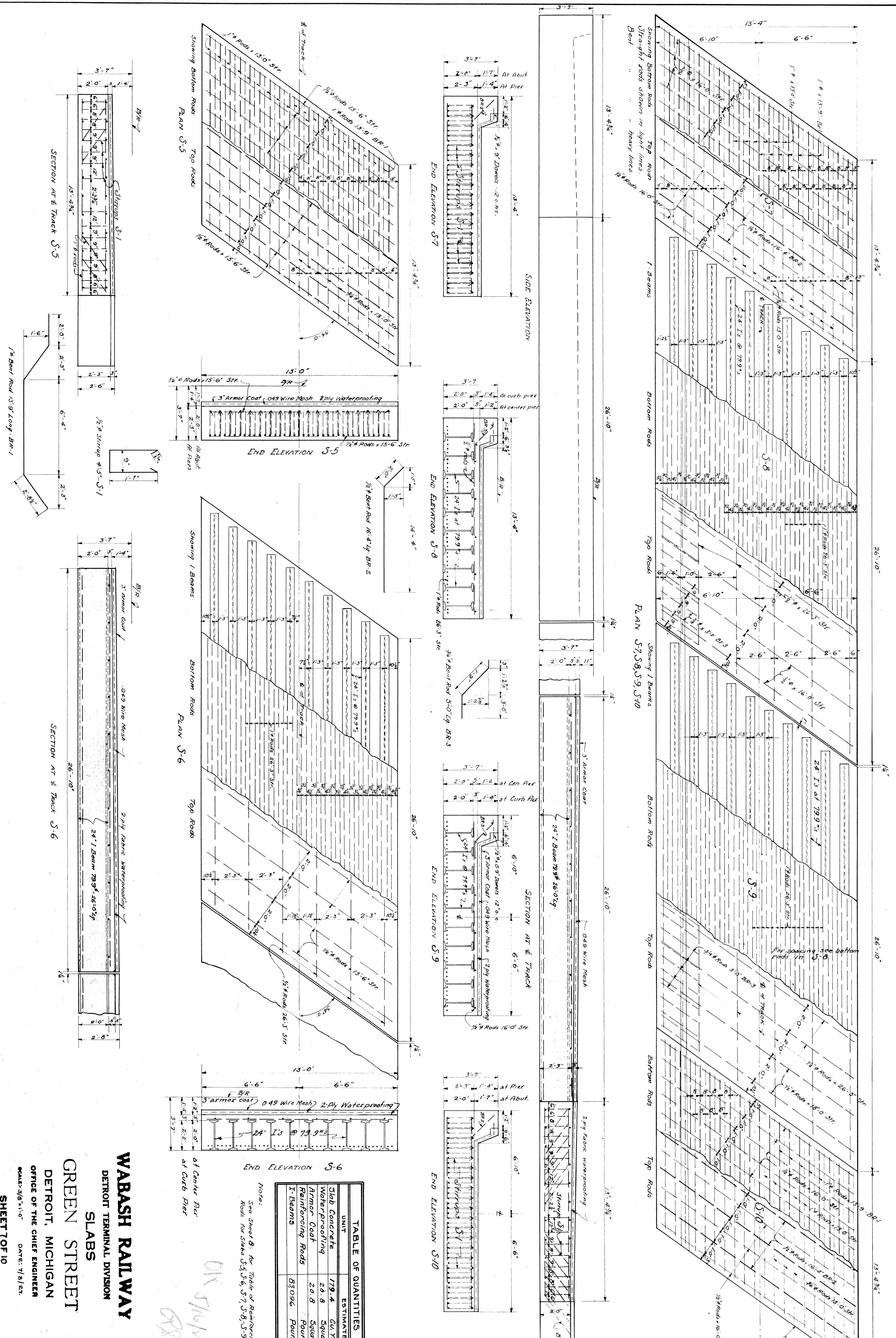


TABLE OF QUANTITIES

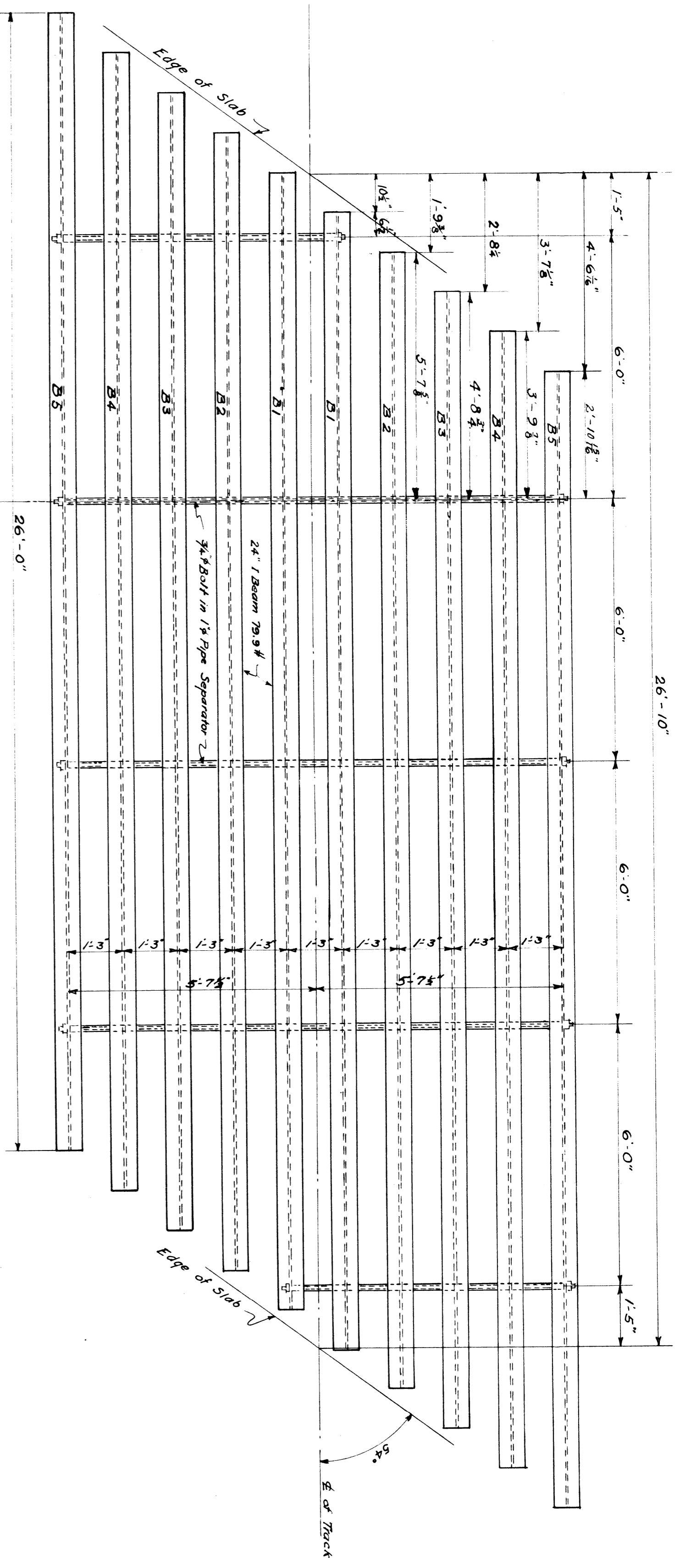
UNIT	ESTIMATE
Slab Concrete	179.4 CU YDS
Waterproofing	22.8 SQUARES
Armor Coat	20.8 SQUARES
Reinforcing Rods	83096 POUNDS
I-Beams	

Notes:  
See Sheet 8. for Table of Reinforcing Rods for Slabs S-5, S-6, S-7, S-8, S-9 & S-10

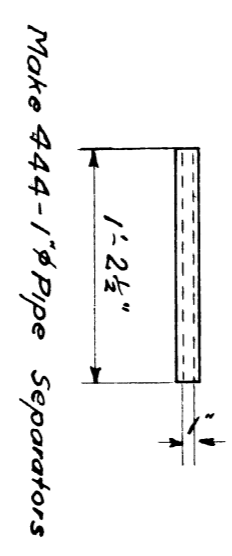
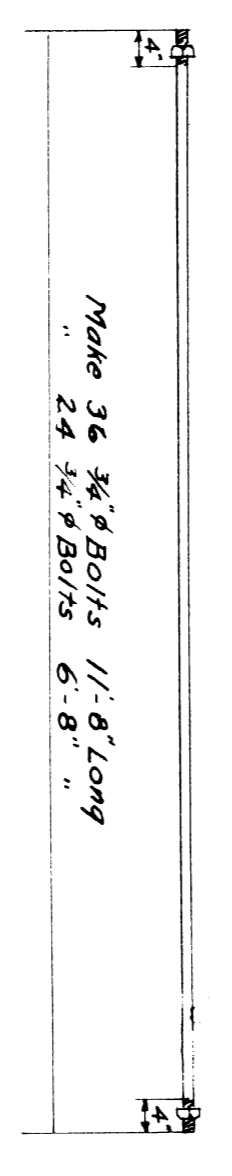
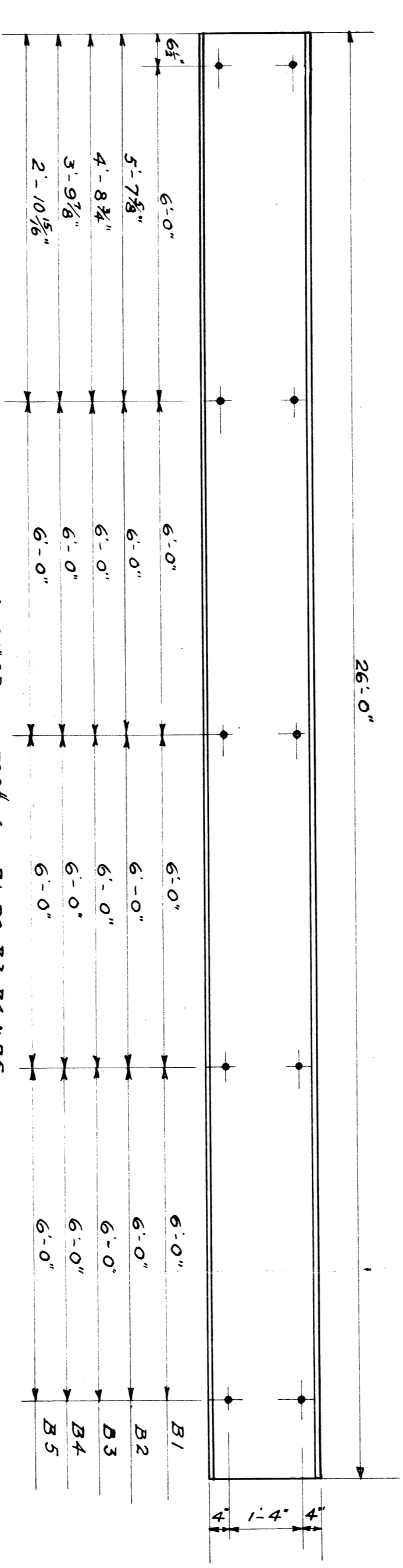
WABASH RAILWAY  
DETROIT TERMINAL DIVISION  
GREEN STREET  
SLABS

DETROIT, MICHIGAN  
OFFICE OF THE CHIEF ENGINEER  
SCALE: 3/8" = 1'-0"  
DATE: 7/8/27.

SHEET TOP 10  
DESIGNED BY A.W.W. CHECKED BY A.H.S.  
TRACED BY H.F.K.  
FILE XV3-19



PLAN (S2, S3, S6, S8, S9)



NOTE:  
Holes in beams, 3/8" Diam.  
Bolts, 3/4" d  
Spacers or Separators 1" Pipe

REINFORCING RODS				
No.	Slab	Length Ft.	Size	Remarks
576	25-5	4	1/2" dia	Stirrups
22	"	15	3/4" dia	St. Top
38	"	13	0	St. Bot.
22	"	15	6	St. Top
38	"	13	0	St. Bot.
36	"	13	9	St. Top
80	25-6	26	3	St. Top
22	"	15	6	St. Top
608	5-TK10	4	5	St. Top
10	"	16	4	St. Top
40	"	13	0	St. Bot.
40	"	13	0	St. Bot.
40	"	13	0	St. Bot.
38	"	13	9	St. Top
82	58 & 9	26	3	St. Top
22	"	16	0	St. Top
14	"	26	3	St. Top
58	"	5	0	St. Bot.
80	5-789/10	0	9	Downs

**WABASH RAILWAY**  
DETROIT TERMINAL DIVISION  
STEEL DETAIL  
GREEN STREET

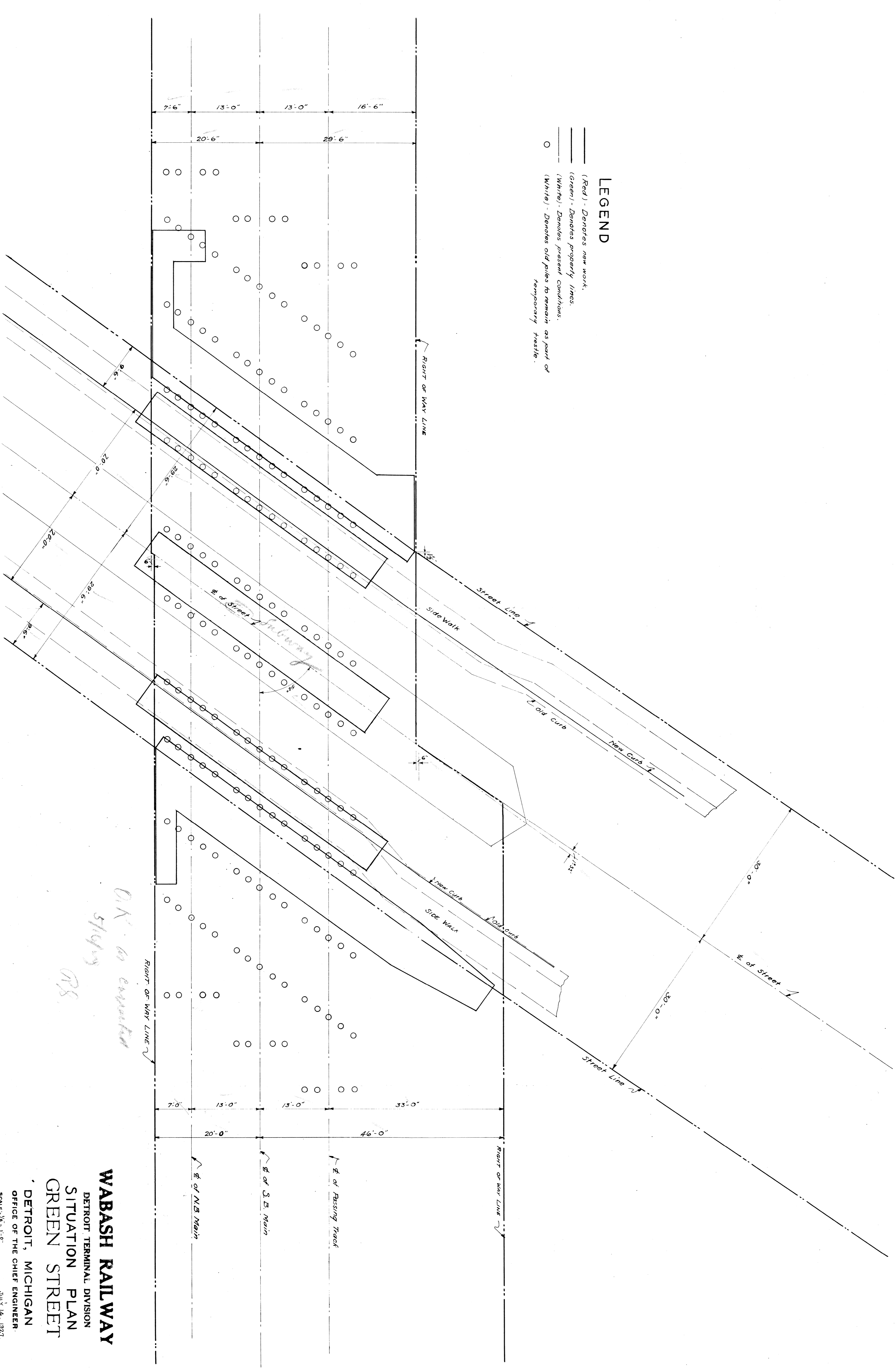
DETROIT, MICHIGAN  
OFFICE OF THE CHIEF ENGINEER  
SCALE: 1/2" = 1'-0"  
JULY 14, 1927.

SHEET 8 OF 10

File XV35-20

PLAN NO.  
CASE NO.

- LEGEND**
- (Red) - Denotes new work.
  - (Green) - Denotes property lines.
  - (White) - Denotes present conditions.
  - (White) - Denotes old piles to remain as part of temporary trestle.



**WABASH RAILWAY**  
 DETROIT TERMINAL DIVISION  
 SITUATION PLAN  
 GREEN STREET

DETROIT, MICHIGAN  
 OFFICE OF THE CHIEF ENGINEER  
 SCALE: 1/8" = 1'-0"  
 JULY 14, 1927

SHEET 9 OF 10  
 DRAWN BY: TRACED BY: CHECKED BY: A.H.S.

File XU 35-21  
 PLAN NO.  
 CASE NO.

CATCH BASINS & SEWERS  
CONSTRUCTED UNDER A.F.E. 2430-W

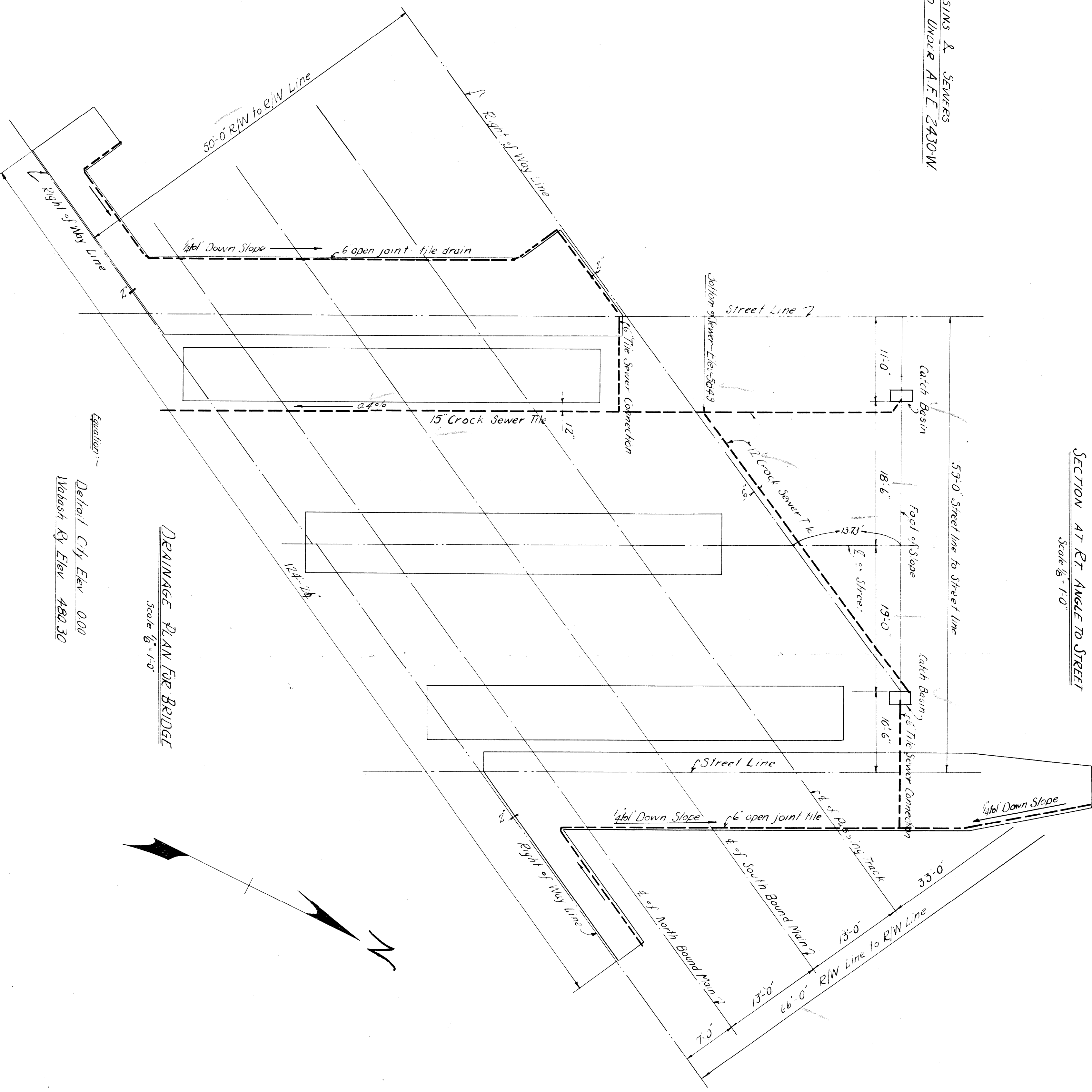
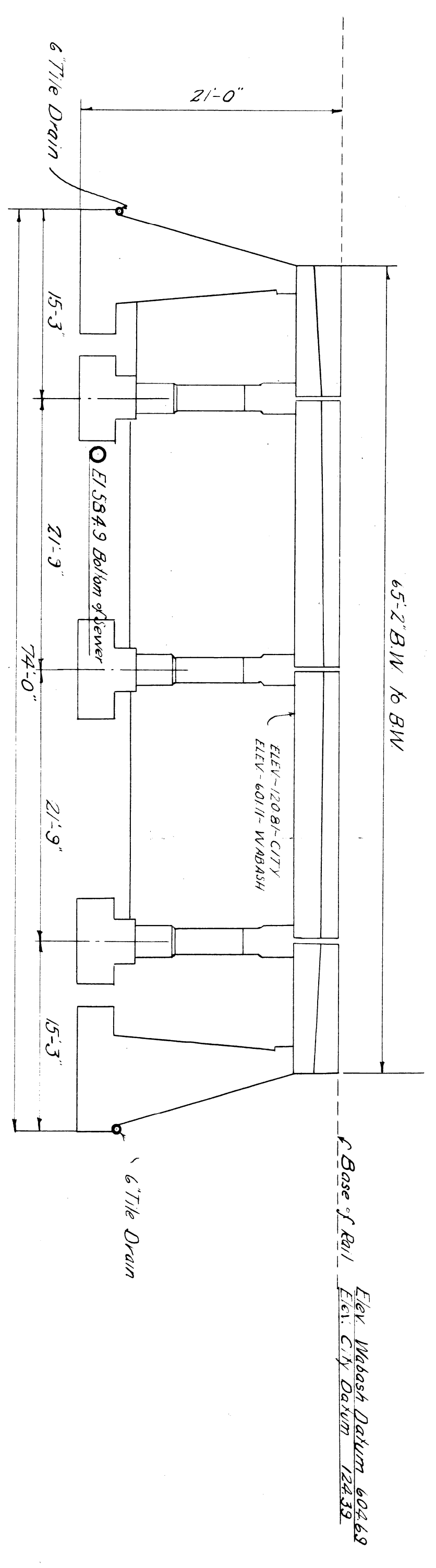


TABLE of QUANTITIES

ITEM	SIZE	UNIT	AMOUNT
Sewer Connections	12"	lin. ft.	...
"	15"	"	...
"	6"	"	...
Tile Drain	6"	"	17

DRAINAGE PLAN FOR BRIDGE  
Scale 3/8" = 1'-0"

Equation -  
Detroit City Elev. 000  
Wabash R. Elev. 480.30

O.K. 5/16/29  
R.S.

**WABASH RAILWAY**

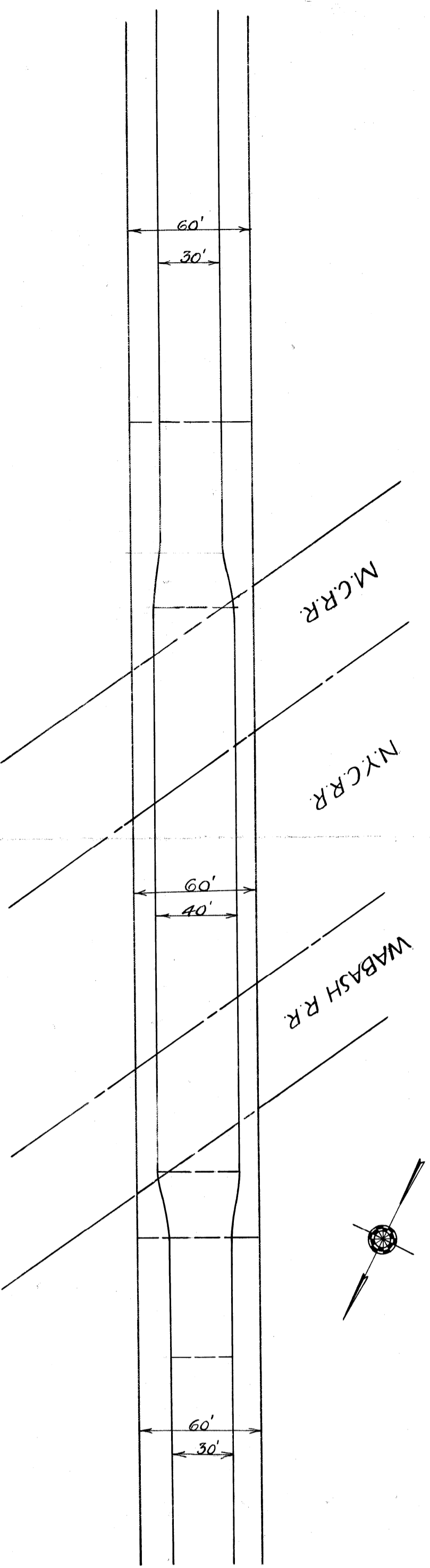
DETROIT TERMINAL DIVISION  
DRAINAGE PLAN  
GREEN STREET  
DETROIT, MICHIGAN  
OFFICE OF THE CHIEF ENGINEER  
SCALE: 3/8" = 1'-0"  
DATE: 4/12/29

SHEET NO. OF 10

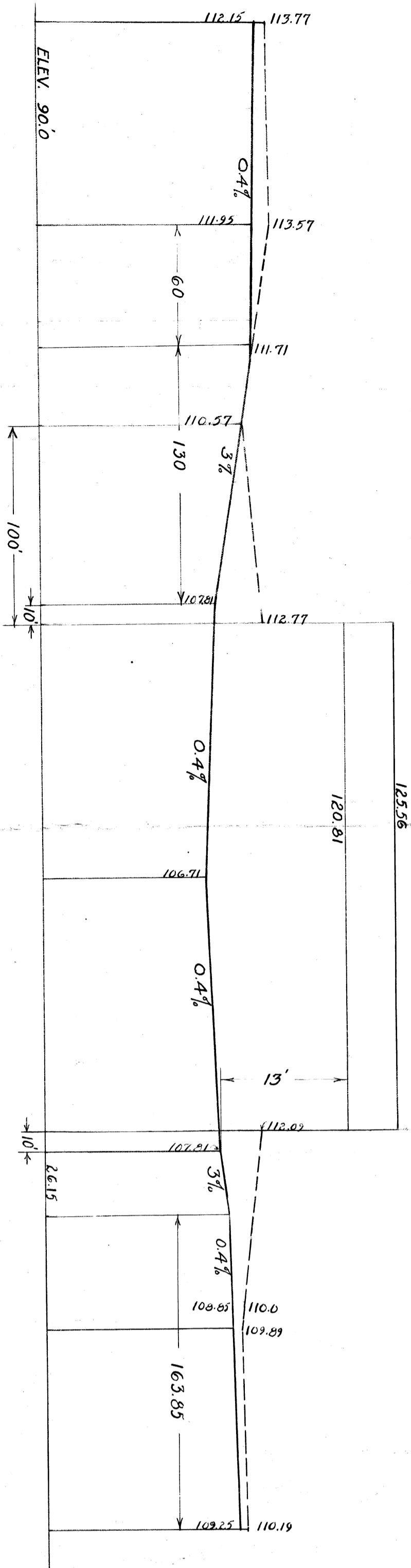
DEPARTMENT NO. C  
TEXTS BY W.O.C.  
CHECKED BY

PLAN NO.  
CASE NO.

FILE XV-35-22

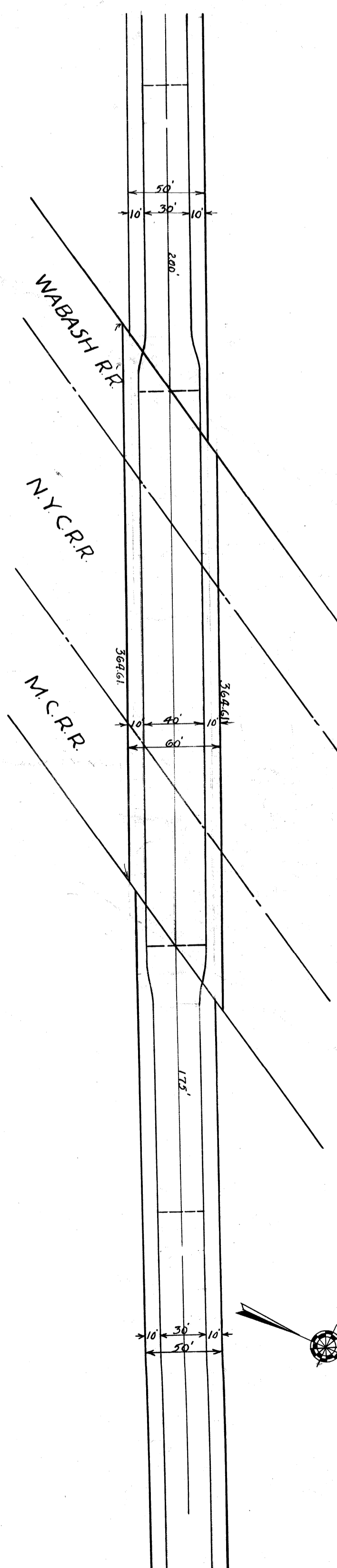


MAP OF GREEN AVE

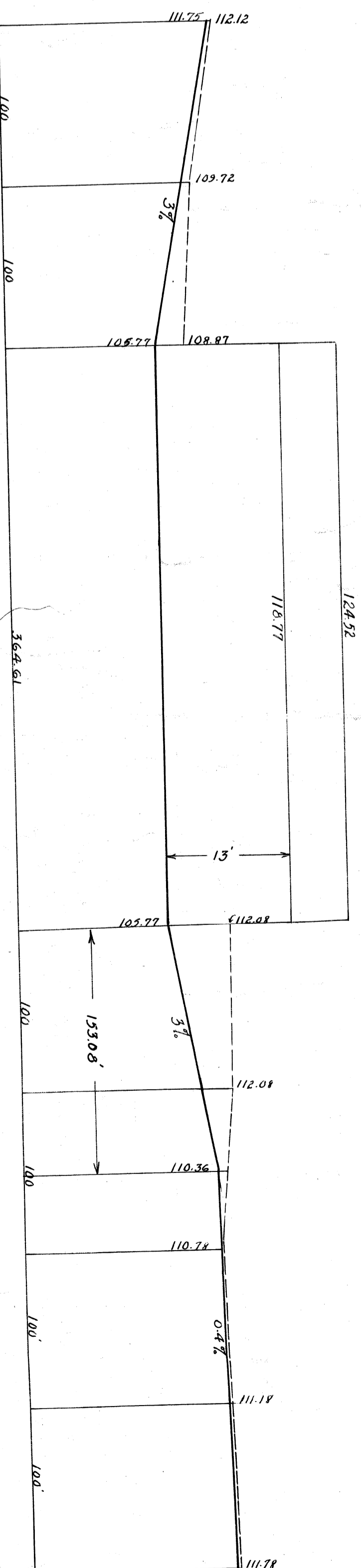


PROFILE ALONG Q-Q

SCALES: HOR. 1" = 50'  
VER. 1" = 10'

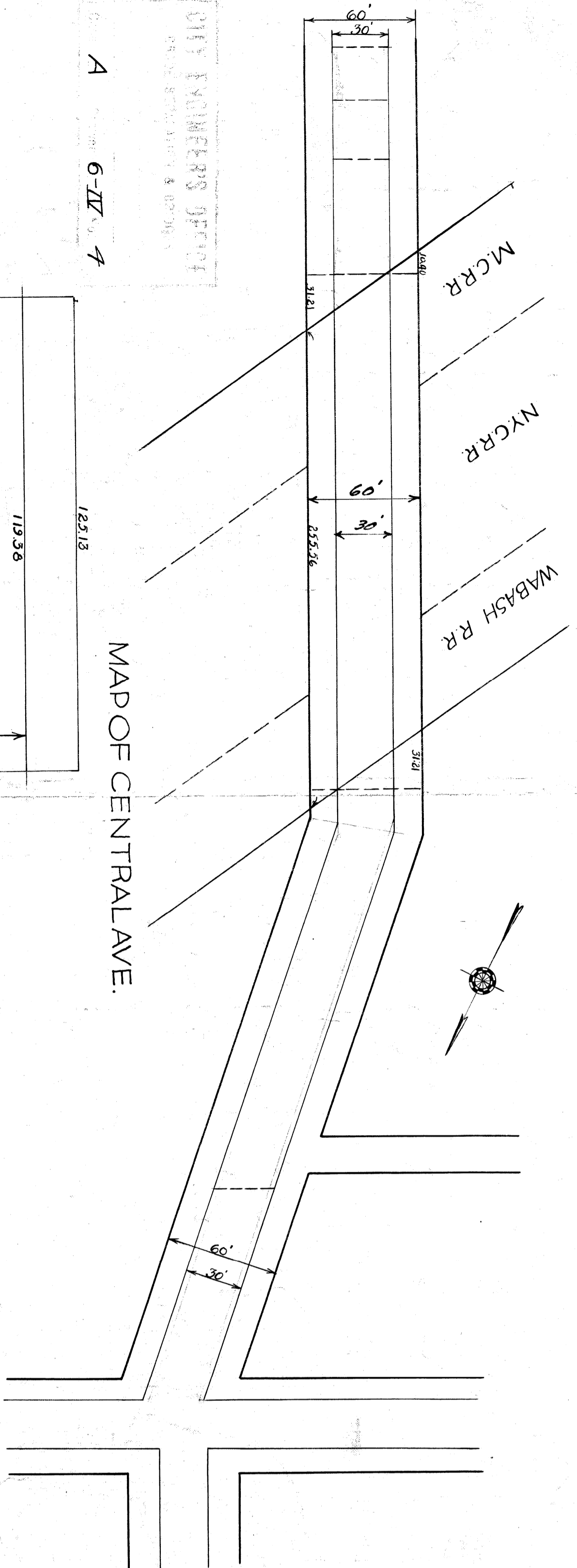


MAP OF LAFAYETTE

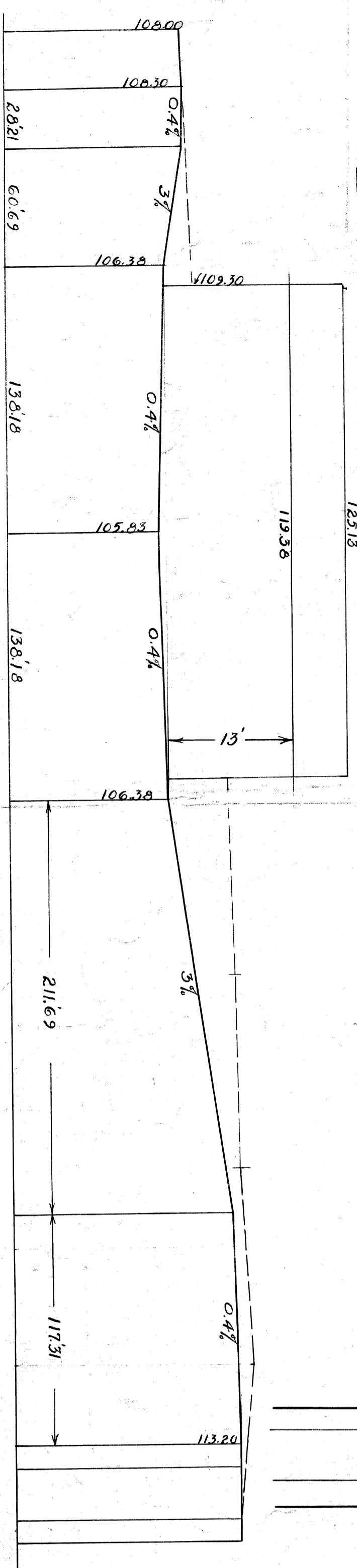


PROFILE ALONG Q-Q

SCALES: HOR. 1" = 60'  
VER. 1" = 10'

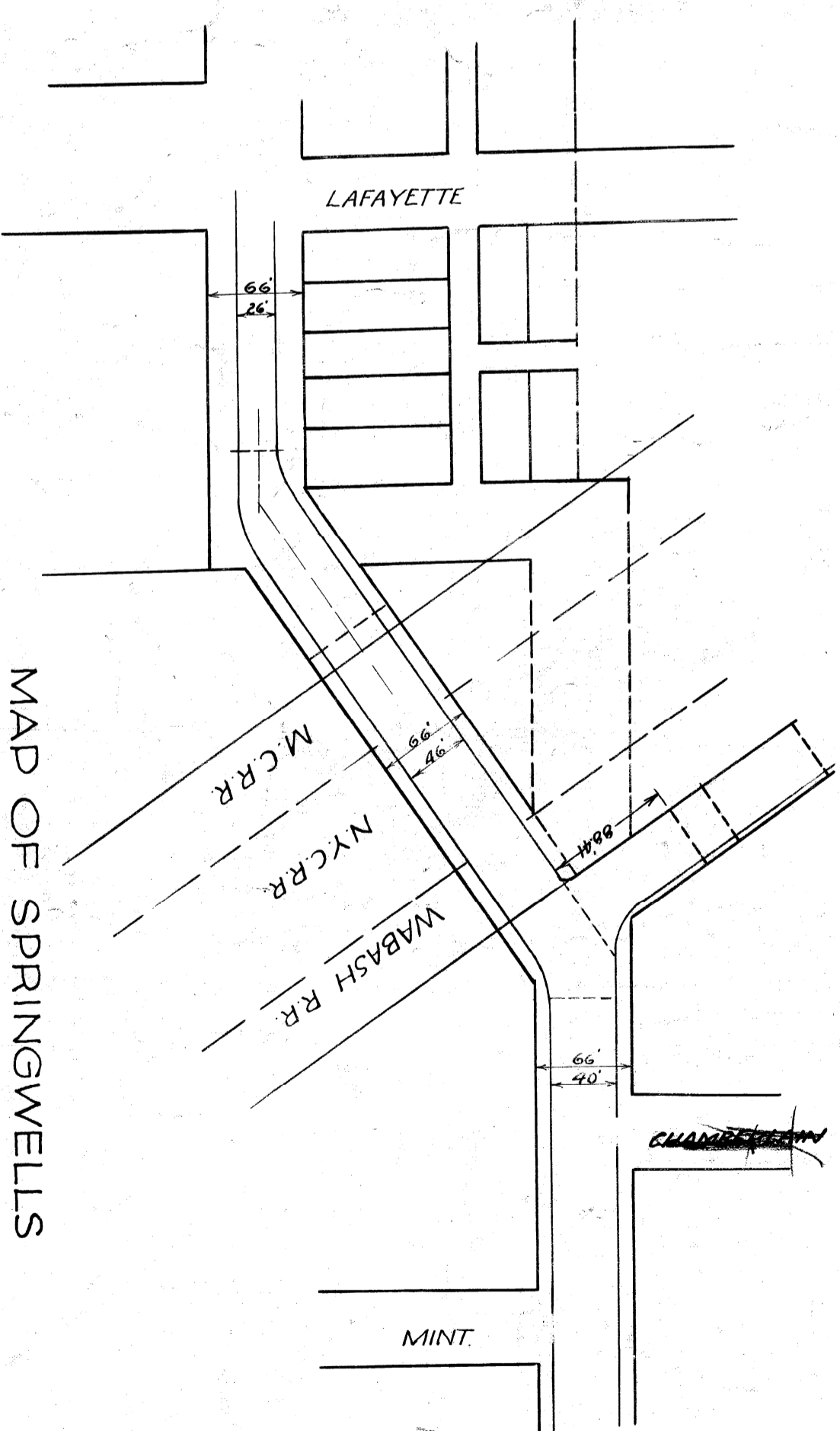


MAP OF CENTRAL AVE.

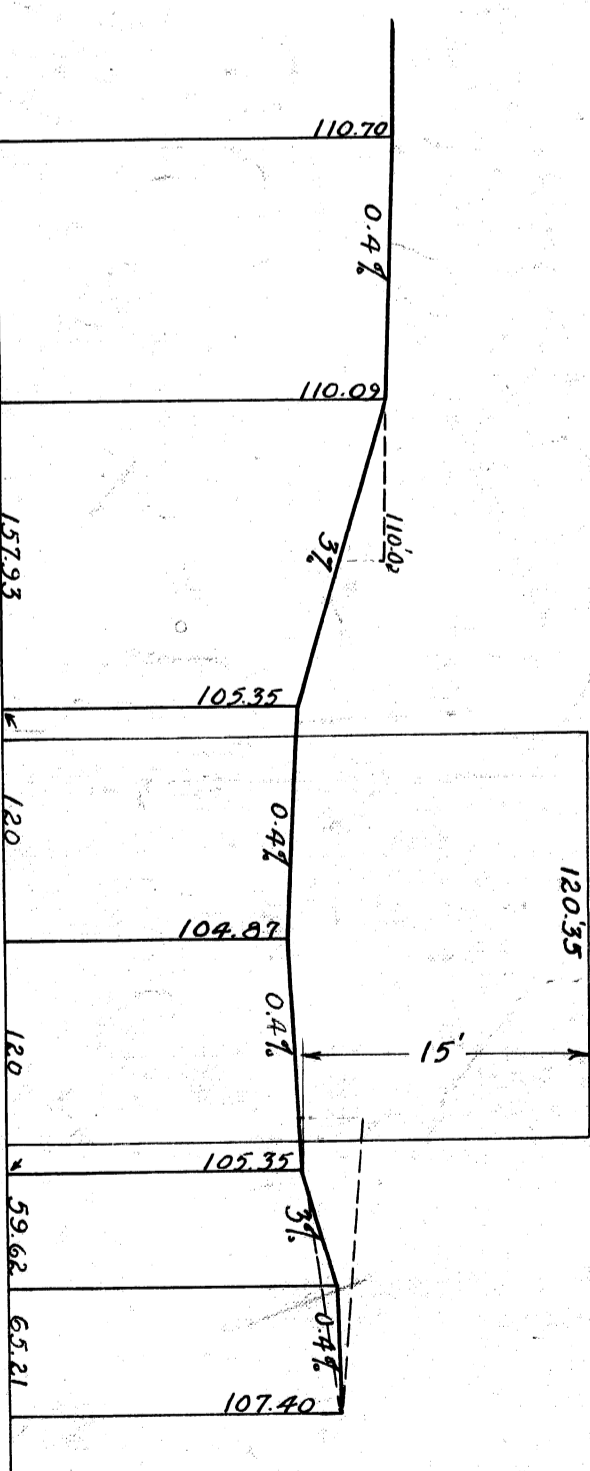


PROFILE ALONG Q-Q

SCALES: HOR. 1" = 50'  
VER. 1" = 10'



MAP OF SPRINGWELLS



PROFILE ALONG Q-Q

SCALES: HOR. 1" = 100'  
VER. 1" = 10'

**CITY OF DETROIT**  
DEPARTMENT OF PUBLIC WORKS  
OFFICE OF CITY ENGINEER DIVISION OF GRADE SEPARATION  
**MAPS & PROFILES OF STREETS**  
LAFAYETTE, GREEN, CENTRAL, SPRINGWELLS  
SCALES AS INDICATED

APPROVED 19  
CITY ENGINEER  
CHIEF ENGINEER, M.C.R.R.

DRAWN BY  
CHECKED BY  
FIELD BOOK  
GEO. H. FINKEL, CHIEF, PUBLIC WORKS  
CLARENCE W. BROWN, DIVISION GRADE SEPARATION

SHEET 6

File XV 35-23