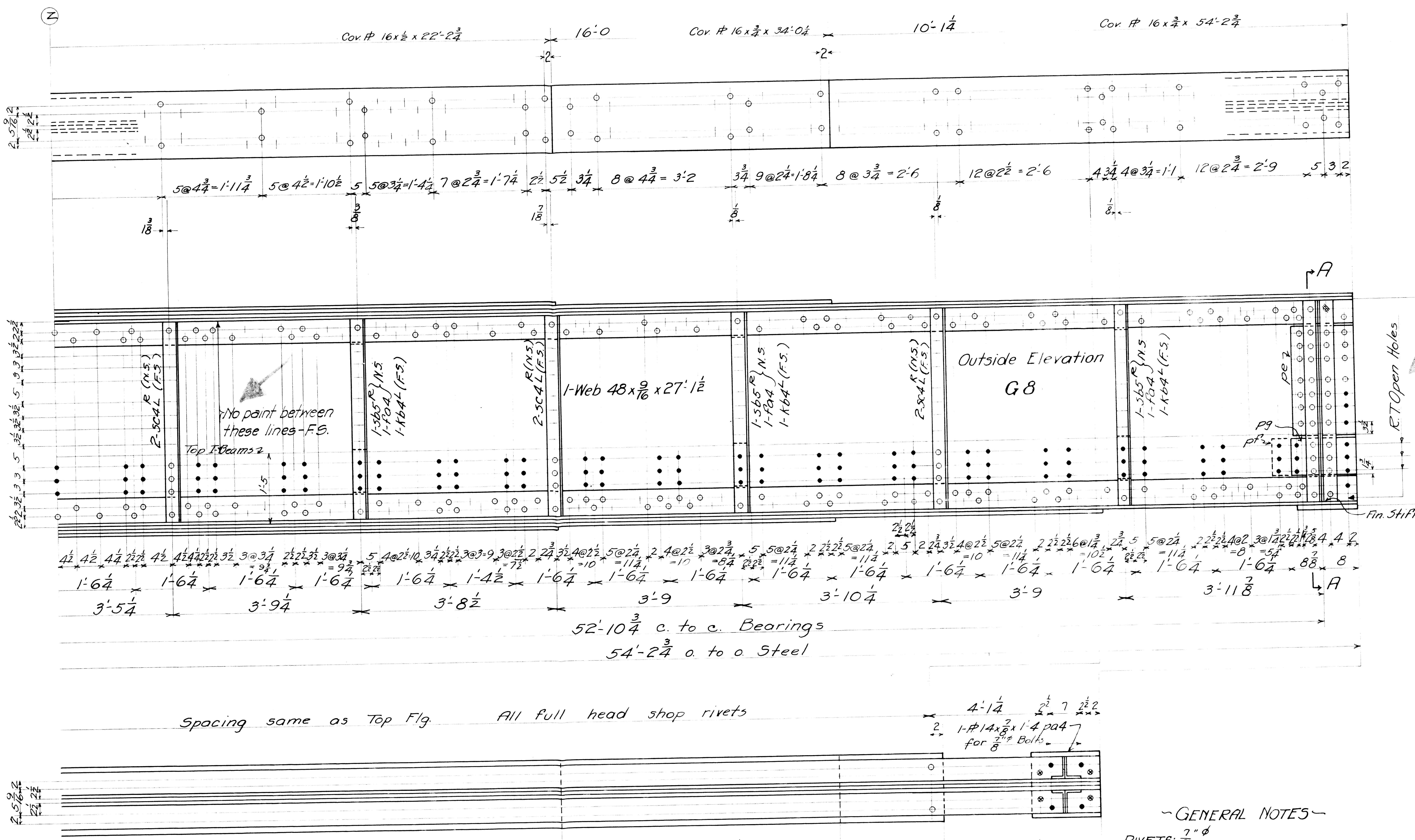
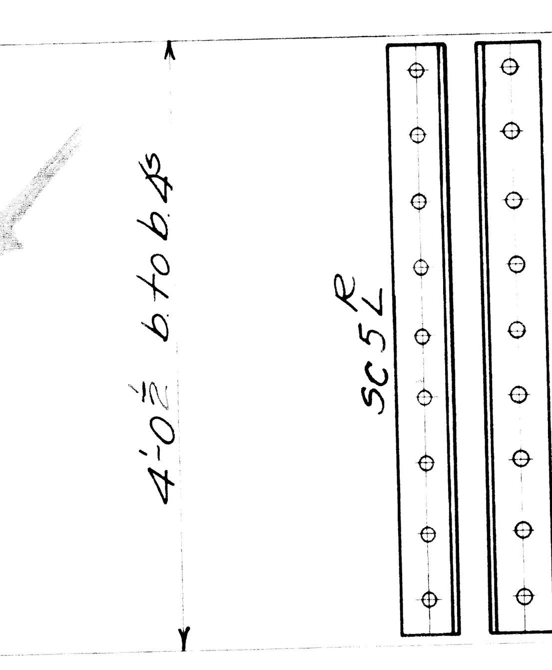
ASSEMBLY MARK RECORD



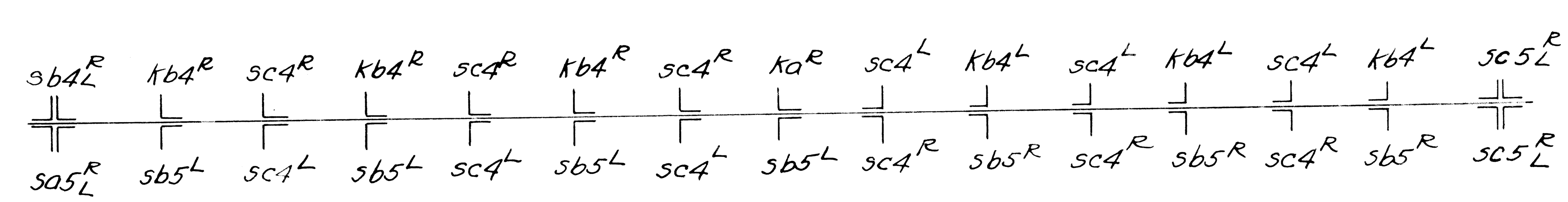


SEC. A-A

Mat'l at End

2- Ls $3\frac{1}{2} \times 5 \times \frac{5}{8} \times 3'\text{-}11$ sc5 R/L
2- sc5 R/L (N.S.)
2- PL $14\frac{1}{4} \times \frac{3}{4} \times 2'\text{-}2\frac{3}{4}$ pe
1- PL $9 \times \frac{3}{4} \times 1'\text{-}8\frac{3}{4}$ pf (F.S.)
1- PL $9 \times \frac{3}{4} \times 1'\text{-}3\frac{3}{4}$ pg (N.S.)

REQUIRED		
1	Girder	G8



Stiffener Diagram

— GENERAL NOTES —

RIVETS: 7/8" φ

OPEN HOLES: 15/16" φ unless otherwise noted

REAMING: None except Holes marked R.T. to be sub-punched 11/16" φ and reamed to size to a steel template.

SHOP PAINT: One coat of red lead and oil, except as noted on details.
Surfaces in contact one coat before assembling.

WABASH RAILWAY COMPANY

Detroit Division

WEST FORT ST. GRADE SEPARATION

Detroit, Michigan

Details of:- 54'-2 3/4" T.P. GIRDER.

D 63 MMM

AMERICAN BRIDGE COMPANY.

DRAWINGS MADE AT GARY #3 PLANT.
WORK FABRICATED AT GARY PLANT.
IN CHARGE OF Kaar
DRAW. MADE BY C.L.T. DATE 8-13-24
DRAW. CHECKED BY H.M.C. DATE 8-15-24

ORDER No. E8125 | SHEET NO. 7-B

Rev. 10-3-24

WHG 9-10-24

Mat'l ord. pp 1,2,3.

ASSEMBLY MARK RECORD

WABASH RAILWAY COMPANY

Detroit Division

WEST FORT ST. GRADE SEPARATION

Detroit, Michigan

Details of:- 54'-2 3/4" T.P. GIRDER

AMERICAN BRIDGE COMPANY

DRAWINGS MADE AT GARY #3 PLANT

WORK FABRICATED AT GARY PLANT

IN CHARGE OF Kaar

DRAW. MADE BY C.L.T. DATE 8-12-24

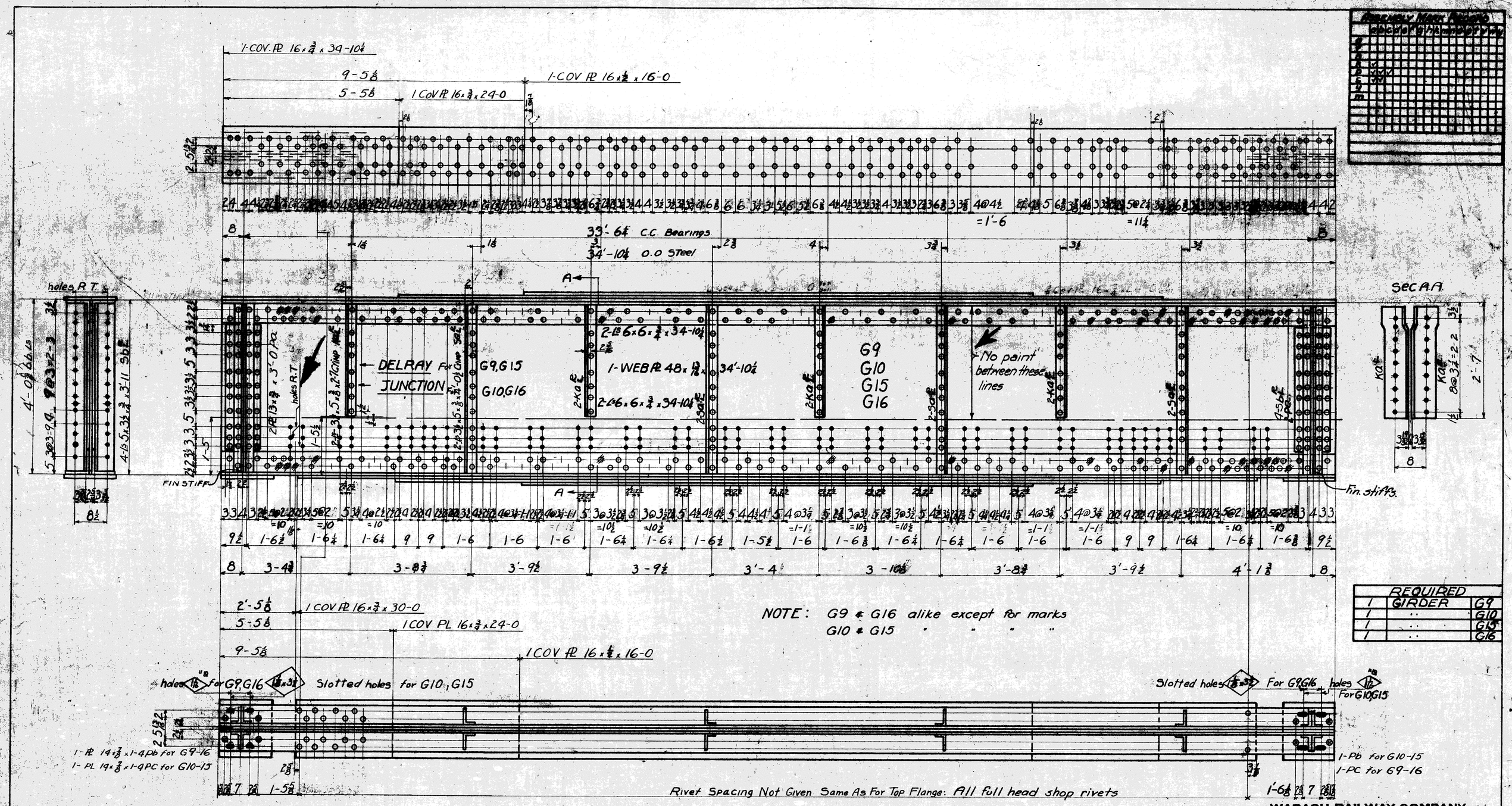
DRAW. CHECKED BY H.M.C. DATE 8-15-24

ORDER No. E8125

SHEET NO. 7-AB

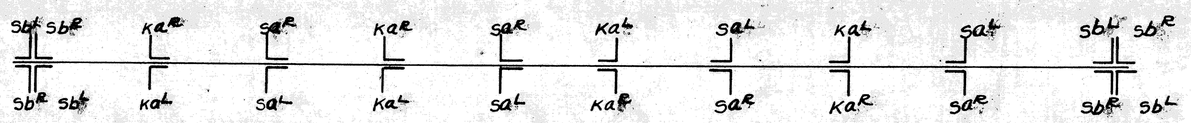
Rev. 10-3-24

WHG 9-10-24



NOTE: G9 & G16 alike except for marks
G10 & G15 " " " "

REQUIRED		
1	GIRDER	G9
1	..	G10
1	..	G15
1	..	G16



Stiff Diagram

GENERAL NOTES
Rivets 1"⌀
Open holes 15/16"⌀ unless noted
Reaming:-None, except material more than 3/4" thick to be subpunched 13/16" and reamed to size. Holes marked R.T. to be reamed thru a steel templet.
Paint: One coat of red lead and oil except as noted on details.
Surfaces in contact one coat before assembling

WABASH RAILWAY COMPANY
Detroit Division
WEST FORT ST. GRADE SEPARATION
Detroit, Michigan
Details of:- 34'-10 1/4" T.P. GIRDER
AMERICAN BRIDGE COMPANY.
DRAWINGS MADE AT GARY #3 PLANT.
WORK FABRICATED AT GARY PLANT.
IN CHARGE OF Kaar
DRAW. MADE BY C.A.M. DATE 8-8-24
DRAW. CHECKED BY GWS DATE 8-29-24
ORDER No. E8125 SHEET NO. 8

Rev. 10-3-24
Mat'l ord. pp. 1,2,3
WWHG 9-10-24

Work Sheets 9 & 16 together

WABASH RAILWAY COMPANY

Detroit Division

WEST FORT ST. GRADE SEPARATION

Detroit, Michigan

Details of:- *Girders*

D 63 MMM

AMERICAN BRIDGE COMPANY.

DRAWINGS MADE AT GARY #3 PLANT.

WORK FABRICATED AT GARY PLANT.

IN CHARGE OF KAAR

DRAW. MADE BY C.A.M. DATE 8-12-24

DRAW. CHECKED BY WHG DATE 8-29-24

Rev. 9-26-24.

ORDER No. E8125

SHEET NO. 9B

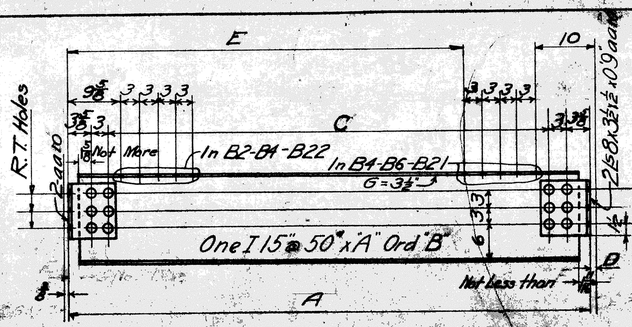
vv WHG 9-10-24

ASSEMBLY MARK RECORD
1 Cov. PL 20 x 3/4 x 54'-2 3/4
1 Cov PL 20 x 3/4 x 36'-0
1 Cov PL 20 x 3/4 x 29'-0
1 Cov PL 20 x 3/4 x 19-0
9'-1 3/8
12-7 3/8
17-7 3/8
52'-10 3/4 C.C. BEARINGS
54'-2 3/4 O.O. STEEL
holes RT
1-Web 48 x 1 x 12'-0 3/4
DELRAY for G11
JUNCTION AVE G14
open holes RT
G11
G14
No paint between these lines
2-Ls 8 x 8 x 1 x 54'-2 3/4
1-fill 8 x 1/4 x 30-7 1/4 N.S.
1-Web 48 x 3/4 x 30'-7 1/4
Fin. Stiff. + Fills
On Web
On Web + Fills
Sec. A-A
Sec. B-B
backLs
REQUIRED
1 GIRDER G11
1 .. G14
5'-7 3/8
1 Cov PL 20 x 3/4 x 43-0
1 Cov PL 20 x 3/4 x 36-0
1 Cov PL 20 x 3/4 x 29-0
1-Cov PL 20 x 3/4 x 19-0
SLOTTED HOLES for 1" Bolts
1 PL 18 x 7/8 x 1-4 Ph9
SPACING SAME AS IN TOP FLANGE
Stiffener Diagram.
Work Together Sheets 9 + 16
GENERAL NOTES
Rivets 7/8"
Open Holes 15/16" unless noted
Reaming: None except material more than 3/4 thick to be sub-punched 13/16 and reamed to size.
Holes marked R.T. to be reamed thru a steel templet.
Paint. One coat of Red Lead and Oil except as noted on details. Surfaces in contact one coat before assembling.
WABASH RAILWAY COMPANY
Detroit Division
WEST FORT ST. GRADE SEPARATION
Detroit, Michigan
Details of:- Girders
AMERICAN BRIDGE COMPANY.
DRAWINGS MADE AT GARY #3 PLANT.
WORK FABRICATED AT GARY PLANT.
IN CHARGE OF KAAR
DRAW. MADE BY C.A.M. DATE 8-11-24
DRAW. CHECKED BY W.H.G. DATE 8-29-24
ORDER No. E8125
SHEET NO. 9AB
WHG 9-10-24
File XU 39-27

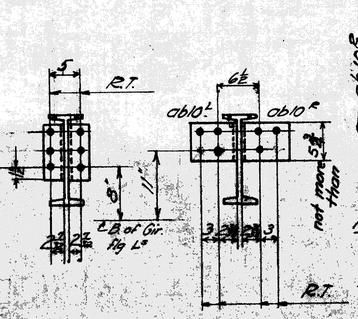
One I 15"@50#x12-7¼ Ord 12'-7¼ PAL33 B39-165
One I 15"@50#x12'-1½ " 12'-1½ " L35 B41-62

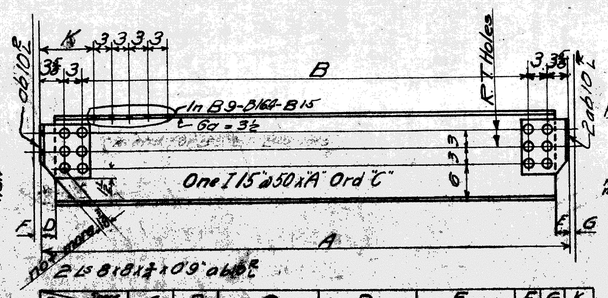
ASSEMBLY MARK RECORD

a	b	c	d	e	f	g	h	i	m	n	o	p	r	s	w
q															
r															
s															
t															
u															
v															
m															

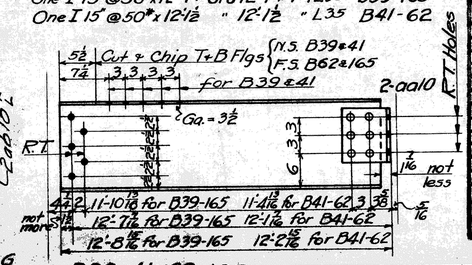


Beam \ Space	A	B	C	D	E
B1-B2-B21	12'-11⅞	12'-7¼ PAL L11	11'-10⅝	¼	11'-1⅝
B3-B4	12'-11⅞	12'-7¼ PAL L11	11'-9⅝	¼	11'-1⅝
B5-B6-B22	12'-5⅞	12'-1½ PAL L12	11'-8⅝	¼	10'-7⅝
B7	12'-5⅞	12'-1 PAL L26	11'-3⅝	¼	





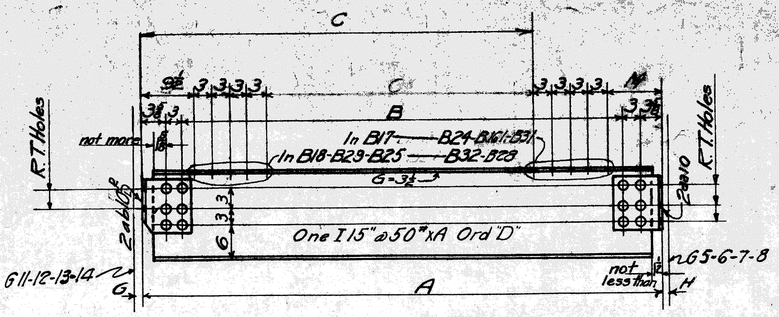
Beam \ Space	A	B	C	D	E	F	G	K
B8-B9	12'-1⅛	11'-11"	12'-7¼ 1.34	not less than 2	not less than 2¼	⅜	⅜	9¼
B10	12'-10⅝	11'-7⅝	do	" " 1⅜	" " 2¼	⅜	⅜	
B12	12'-11⅝	11'-10¼	do	" " 2¼	" " 2¼	⅜	⅜	
B14	12'-8⅜	11'-3⅜	do	" " 1⅜	" " 2	⅜	⅜	
B15	12'-11	11'-7⅝	do	" " 2	" " 2	⅜	⅜	0½
B16Q	12'-11⅜	11'-10	do	" " 2¼	" " 2	⅜	⅜	9¾



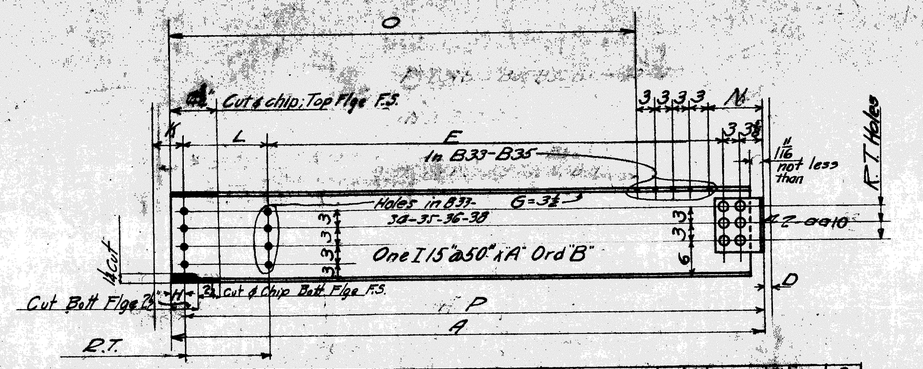
B39-41-62-165

REQUIRED

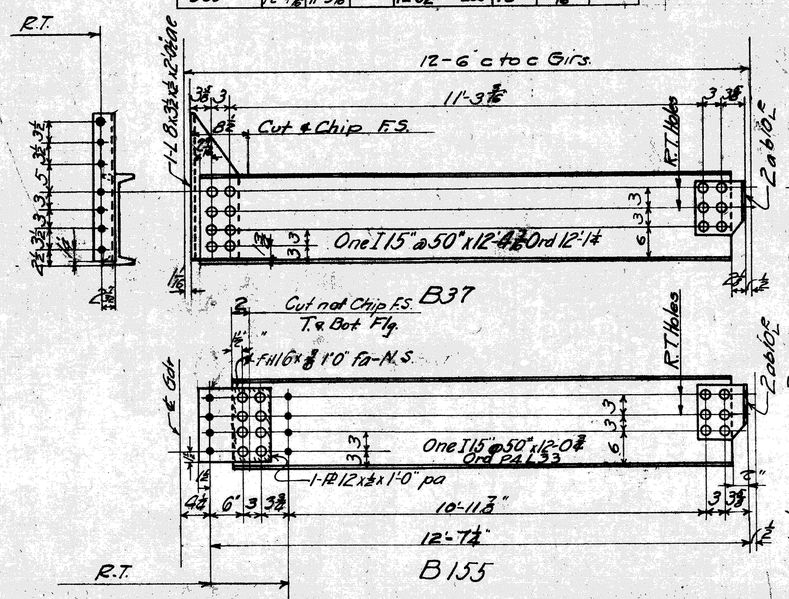
No.	Beam	B62
12	Beams	B1
4	do	B2
16	do	B3
2	do	B4
10	do	B5
6	do	B6
2	do	B7
10	do	B8
1	do	B9
4	do	B10
8	do	B12
2	do	B14
2	do	B15
23	do	B16
3	do	B17
8	do	B18
3	do	B19
2	do	B20
2	do	B21
9	do	B22
22	do	B23
9	do	B24
8	do	B25
3	do	B26
1	do	B156
1	do	B28
2	do	B29
2	do	B30
2	do	B31
1	do	B32
2	do	B33
2	do	B34
4	do	B35
2	do	B36
1	do	B37
1	do	B38
1	do	B39
1	do	B40
1	do	B41
5	do	B42
4	do	B43
3	do	B44
1	do	B45
3	do	B46
1	do	B47
1	do	B157
1	do	B158
1	do	B71
1	do	B72
1	do	B155
2	do	B159
1	do	B160
1	do	B161
2	do	B164
1	do	B165

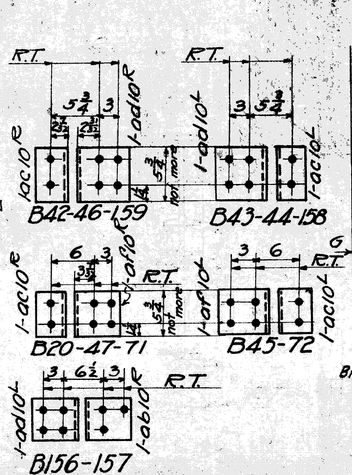


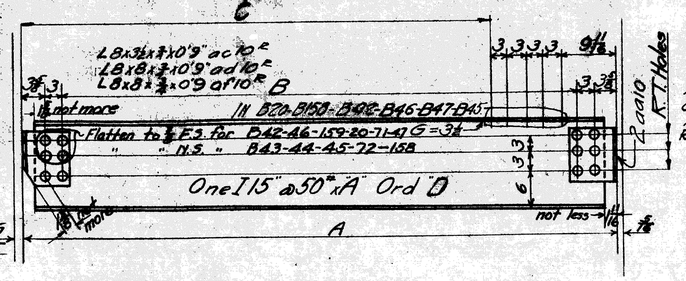
Beam \ Space	A	B	C	D	G	H	M
B16-B17-B18	12'-11⅜	11'-9⅝	11'-1½	12'-7¼ PAL33	½	5/16	9 11/16
B19	12'-10⅜	11'-8⅝	–	12'-6½ " L33	1⅛	⅝	
B20-B24-25	12'-5⅞	11'-3 15/16	10'-7½	12'-1¾ " L35	½	5/16	9 11/16
B20-B160-161	12'-1⅞	11'-3 15/16	10'-7½	12'-0½ " L35	½	1/16	8 15/16
B29-B30	12'-10⅜	11'-9⅛	–	12'-6½ " L33	½	¼	
B31-B32	12'-4⅜	11'-3½	10'-7½	12'-0½ " L35	½	¼	9¼
B26	12'-4⅜	11'-3⅝	–	12'-0½ " L35	1⅛	5/16	



Beam \ Space	A	B	E	C	H	D	K	L	M	O	P
B33	12'-9⅜	12'-7¼ PAL L11	10'-8⅝		not more than 1⅜	¼	4½	1-3⅜	9½	10'-11⅛	12'-7¼
B34	12'-9⅜	12'-7¼ " L11	10'-7⅝		" " 1⅜	⅜	4½	1-2⅜			12'-7⅜
B35	12'-8⅜	12'-6⅜ PAL L11	10'-6⅝		" " 1⅜	7/16	4½	1-3⅜	9⅝	10'-11⅜	12'-7⅝
B36	12'-8⅜	12'-6 PAL L12	10'-5⅝		" " 1⅜	⅜	4½	1-3⅜			12'-12
B38	12'-8⅜	12'-6 PAL L33	10'-9⅛		" " 1⅛	5/16	5½	1-0⅝			12'-6⅝
B40	12'-8	12'-0 PAL L35	10'-3 7/16		" " 1⅛	5/16	5½	1'-2½			12'-0⅝







Beam \ Space	A	B	D	C	G
B20-B12	12'-10⅞	11'-9⅛	12'-6½ PAL33	11'-0⅞	1⅛
B156 B42-43	12'-11⅛	11'-9 15/16	12'-7¼ " L33	11'-1½	½
B158-B159 B42-46	12'-5⅞	11'-3 15/16	12'-1¾ " L35	10'-7½	½
B45-47-71	12'-4⅜	11'-3⅜	12'-0⅝ " L35	10'-6⅞	1⅛

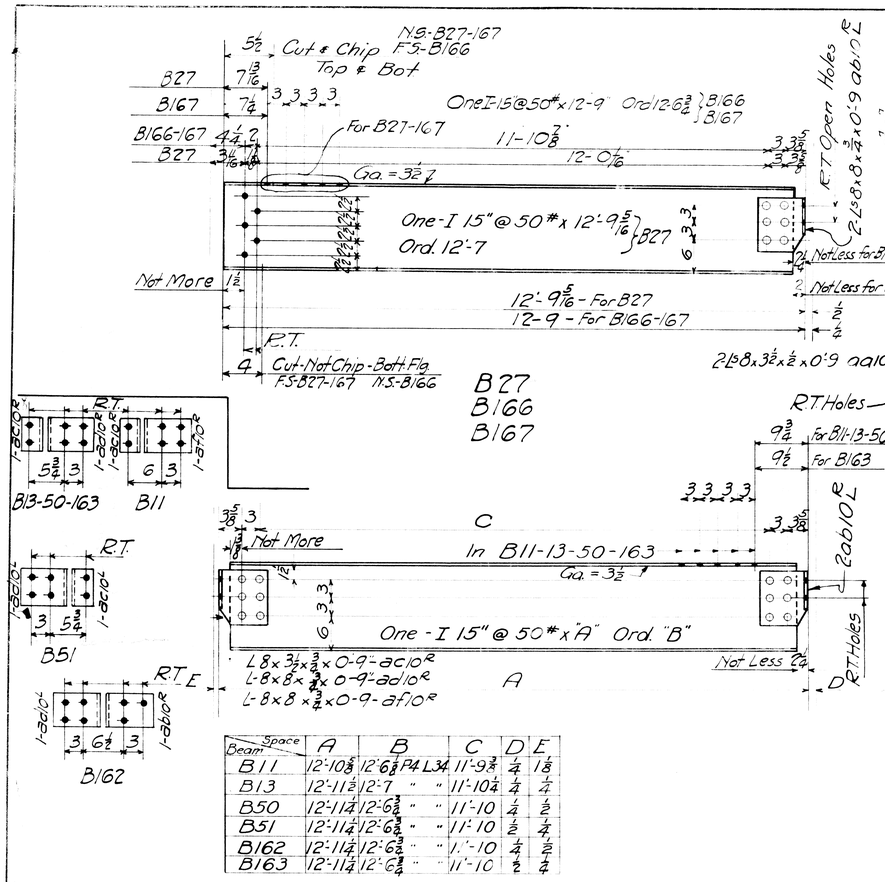
B157

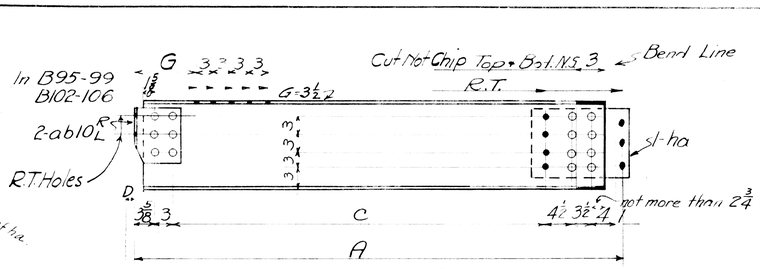
Work Sheets 10 & 11 together.

General Notes:
Rivets: ⅞" ø
Open Holes: 15/16" ø
Reaming: None except holes marked R.T. to be Subpunched ⅝" ø and reamed to size to a steel Template.
Shop Paint: One coat of red Lead and Oil. Surfaces in contact one coat before assembling. No paint on top Flg. of beams.

WABASH RAILWAY COMPANY
Detroit Division
WEST FORT ST. GRADE SEPARATION
Detroit, Michigan
Details of:- Beams.

D 63 MMM
AMERICAN BRIDGE COMPANY.
DRAWINGS MADE AT Gary #3 PLANT.
WORK FABRICATED AT Gary PLANT.
IN CHARGE OF Kaar
DRAW. MADE BY W.T.W. DATE 8/11/24
DRAW. CHECKED BY C.A.C. DATE 8-28-24
ORDER No. E8125
SHEET NO. 10
W.W.H.G 9-11-24





Space / Beam	A	B	C	L	G
B101	2'-7⅛	2'-2¼ P4 L15	0'-11⅜	½	
B94	2'-7⅜	2'-2½ " L16	0'-11½	½	
B102	5'-5 1/16	5'-1 P5 L4	3'-10 5/16	½	9½
B95	5'-6 1/16	5'-1½ " L15	3'-10 5/16	½	9½
B103	6'-5⅛	6'-0½ P6 L12	4'-9 5/16	½	
B96	6'-6⅛	6'-1 P5 L16	4'-10 5/16	½	
B104	7'-4 1/16	6'-11¾ P6 L25	5'-9 5/16	½	
B97	7'-5 1/16	7'-0¼ P5 L23	5'-9 5/16	½	
B105	9'-5 1/16	9'-0 P6 L7	7'-9 5/16	½	
B98	9'-5⅜	9'-0¼ " L10	7'-9⅜	½	
B106	10'-4 1/16	9'-11¾ " L17	8'-9 5/16	½	9¾
B99	10'-5 1/16	10'-0¼ " L20	8'-9 5/16	½	9½
B107	11'-4⅜	10'-11½ " L26	9'-8¾	½	
B100	11'-5 1/16	11'-0 " L22	9'-9 5/16	½	
B110	11'-5¼	11'-0¼ P6 L29	9'-9⅜	½	

TABLE "A"

Space / Beam	A	B	C	D	G
B136	2'-0 7/16	1'-7½ P4 L21	0'-4 13/16	5/16	
B 81	2'-1⅜	1'-8¾ P4 L22	0'-5¾	¼	
B 53	2'-6 13/16	2'-2 " L13	0'-11 13/16	¼	
B128	2'-6 15/16	2'-1½ " L13	0'-10 13/16	5/16	
B 73	2'-7 1/16	2'-2½ " L15	0'-11½	7/16	
B111	2'-7¼	2'-2¾ P4 L6	1'-0⅛	7/16	9 7/16
B119	2'-7⅜	2'-3 " L18	1'-0¼	7/16	
B137	3'-5 15/16	3'-1 " L19	1'-10 1/16	5/16	
B 82	3'-7 1/16	3'-2 P4 L20	1'-11⅛	¼	
B 54	4'-0⅜	3'-7½ " L24	2'-4⅜	¼	
B129	3'-11⅜	3'-7 " L23	2'-4⅜	5/16	
B 74	4'-1⅜	3'-8 " L27	2'-5½	7/16	
B112	4'-1¼	3'-8⅛ " L29	2'-5⅜	7/16	
B120	4'-1 9/16	3'-8⅛ " L30	2'-5 5/16	7/16	
B138	4'-1⅛	4'-6½ " L17	3'-7⅜	7/16	9 7/16
B 83	5'-0⅛	4'-7½ P4 L32	3'-4 1/16	¼	9¾
B130	5'-5⅜	5'-0⅜ P5 L2	3'-9⅛	5/16	9½
B113	5'-6 1/16	5'-1⅜ P5 L7	3'-11 1/16	7/16	
B 55	5'-6 1/16	5'-1 P5 L3	3'-10 1/16	¼	
B121	5'-7	5'-2 " L18	3'-11⅛	7/16	9 7/16
B139	5'-11⅜	5'-6½ " L9	4'-3⅜	5/16	
B 84	6'-0⅛	5'-7⅛ P5 L10	4'-4⅛	¼	
B131	6'-5 1/16	6'-0 " L11	4'-5 1/16	5/16	
B 56	6'-5⅜	6'-1 " L12	4'-10⅛	¼	
B114	6'-6¼	6'-1¼ " L15	4'-10⅜	7/16	
B122	6'-6 1/16	6'-1⅜ P5 L17	4'-11⅛	7/16	
B140	6'-11	6'-6 " L19	5'-3⅜	5/16	
B 85	6'-11 5/16	6'-7 P5 L20	5'-4 1/16	¼	
B 75	5'-6 1/16	5'-1⅜ " L5	3'-10 1/16	7/16	9 7/16
B 65	6'-6¼	6'-1¾ " L14	4'-10⅜	7/16	
B132	7'-4 15/16	7'-0 " L21	5'-9 5/16	5/16	
B 57	7'-5 1/16	7'-0⅜ " L21	5'-9 7/16	¼	9¾
B115	7'-5 13/16	7'-0¾ " L24	5'-10 5/16	7/16	9 7/16
B 76	7'-6	7'-1 " L24	5'-10⅜	7/16	

TABLE "A" (Cont.)

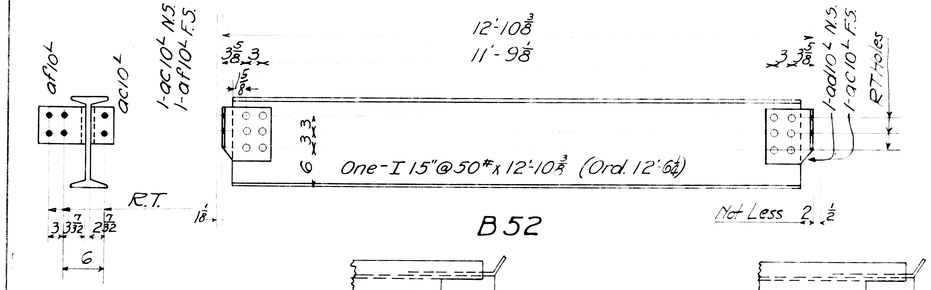
Space / Beam	A	B	C	D	G
B123	7'-6⅜	7'-1⅛ P5 L26	5'-10⅜	7/16	
B141	7'-10⅜	7'-5⅜ " L27	6'-3⅜	½	
B 86	7'-11¼	7'-6⅜ P5 L4	6'-4⅜	¼	
B133	8'-4½	7'-11⅜ " L30	6'-9⅜	5/16	
B 58	8'-5 1/16	8'-0¼ " L31	6'-9 1/16	¼	
B168	8'-5 1/16	8'-0½	6'-9 1/16	7/16	
B 77	8'-5⅜	8'-1 P6 L2	6'-10⅛	7/16	
B124	8'-6⅜	8'-1½ " L4	6'-10⅜	7/16	
B142	8'-10 11/16	8'-5⅜ " L3	7'-3 5/16	5/16	
B 87	8'-11⅜	8'-6⅜ P5 L1	7'-4	¼	
B134	9'-4⅜	8'-11⅜ P6 L7	7'-9	7/16	
B116	9'-5 1/16	9'-0¼ " L16	7'-9 11/16	7/16	
B 78	9'-5 1/16	9'-0⅜ " L11	7'-10 1/16	7/16	
B 59	9'-5⅜	9'-0 " L8	7'-9⅜	¼	
B125	9'-6 1/16	9'-1⅛ " L14	7'-10 1/16	5/16	
B143	9'-10⅜	9'-5⅜ " L15	8'-2⅜	5/16	9 11/16
B 88	9'-11⅜	9'-6⅜ P6 L16	8'-4	¼	9¾
B135	10'-4⅜	9'-11½ " L17	8'-8⅜	5/16	9 11/16
B 60	10'-5 1/16	10'-0¼ " L18	8'-9 5/16	¼	
B117	10'-5¼	10'-0⅜ " L21	8'-9⅜	7/16	
B 79	10'-5⅜	10'-0½ " L21	8'-10	7/16	9 7/16
B126	10'-6⅜	10'-1 " L23	8'-10⅜	7/16	9 7/16
B144	10'-10⅜	10'-5½ " L24	9'-2⅜	5/16	
B 89	10'-11	10'-6 P6 L25	9'-3⅜	¼	
B119	11'-4⅜	10'-11½ " L27	9'-8⅜	5/16	
B118	11'-4⅜	10'-11½ " L28	9'-8⅜	7/16	
B 61	11'-4 1/16	10'-11½ " L26	9'-8 5/16	¼	
B 80	11'-5 1/16	11'-0¼ " L29	9'-9 1/16	5/16	
B127	11'-5⅜	11'-1 " L31	9'-10⅛	7/16	

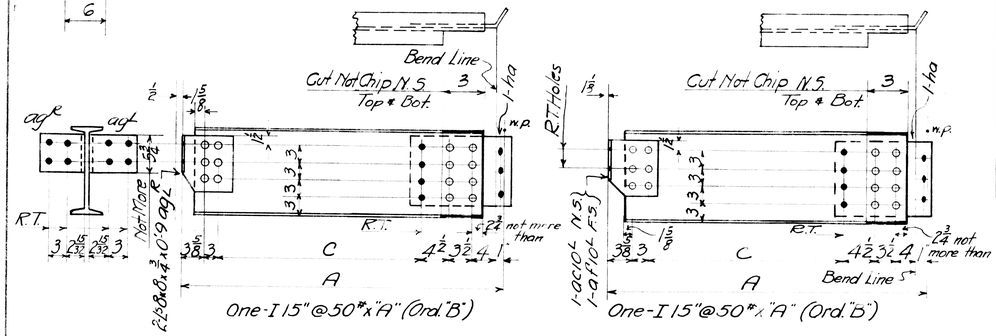
ASSEMBLY MARK RECORD

	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
1																										
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										

REQUIRED

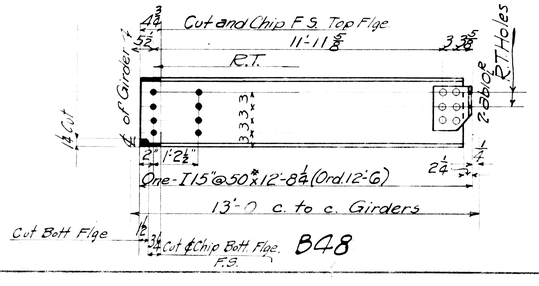
4	Beams	B 11	2	Beams	B104
4	"	B 13	2	"	B105
2	"	B 48	2	"	B106
1	"	B 49	2	"	B107
4	"	B 50	1	"	B109
6	"	B 51	1	"	B110
2	"	B 52	4	"	B111
2	"	B 53	4	"	B112
2	"	B 54	4	"	B113
2	"	B 55	4	"	B114
2	"	B 56	4	"	B115
2	"	B 57	4	"	B116
2	"	B 58	4	"	B117
2	"	B 59	4	"	B118
2	"	B 60	2	"	B119
2	"	B 61	2	"	B120
2	"	B 65	2	"	B121
2	"	B 73	2	"	B122
2	"	B 74	2	"	B123
2	"	B 75	2	"	B124
2	"	B 76	2	"	B125
2	"	B 77	2	"	B126
2	"	B 78	2	"	B127
2	"	B 79	1	"	B128
2	"	B 80	1	"	B129
2	"	B 81	1	"	B130
2	"	B 82	1	"	B131
2	"	B 83	1	"	B132
2	"	B 84	1	"	B133
2	"	B 85	1	"	B134
2	"	B 86	1	"	B135
2	"	B 87	1	"	B136
2	"	B 88	1	"	B137
2	"	B 89	1	"	B138
2	"	B 90	1	"	B139
2	"	B 91	1	"	B140
1	"	B 92	1	"	B141
2	"	B 93	1	"	B142
2	"	B 94	1	"	B143
2	"	B 95	1	"	B144
2	"	B 96	2	"	B162
2	"	B 97	2	"	B163
2	"	B 98	2	"	B166
2	"	B 99	2	"	B167
1	"	B100	4	"	B168
2	"	B101	1	"	B169
2	"	B102	1	"	327
2	"	B103			

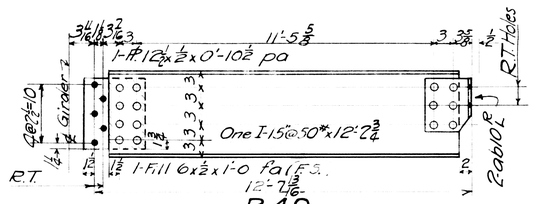




Space / Beam	A	B	C
B90	4'-0 15/16	3'-8 P4 L29	2'-5 5/16
B91	4'-0 7/16	3'-7½ P4 L25	2'-4 13/16

Space / Beam	A	B	C
B92	8'-5	8'-0 P5 L33	6'-9⅜
B93	8'-4 11/16	7'-11½ P5 L31	6'-8 13/16
B109	8'-5⅜	8'-0 P6 L2	6'-9½





GENERAL NOTES

RIVETS : ⅞ ϕ — OPEN HOLES : 15/16" ϕ

REAMING : None except holes marked R.T. to be subpunched 11/16 ϕ and reamed to size thru a template.

SHOP PAINT : One coat of red lead and oil. Surfaces in contact one coat before assembling. No paint on top flgs. of Bms.

Work sheets 10 & 11 together

Rev 1-22-64

WABASH RAILWAY COMPANY

Detroit Division

WEST FORT ST. GRADE SEPARATION

Detroit, Michigan

Details of :- Beams

AMERICAN BRIDGE COMPANY

DRAWINGS MADE AT GARY #3 PLANT

WORK FABRICATED AT GARY PLANT

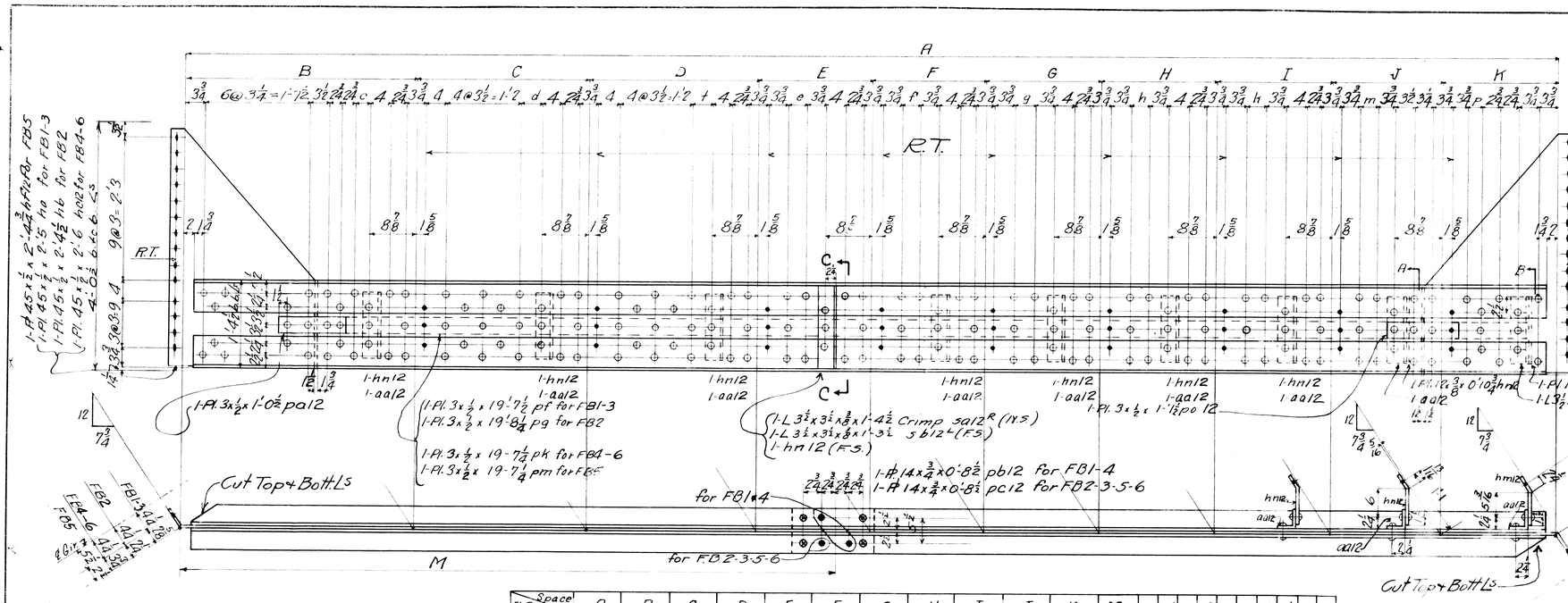
IN CHARGE OF Kaar

DRAW. MADE BY W.T.W. Jr. C.L.T. DATE 8-13-24

DRAW. CHECKED BY C.F.C. DATE 8-28-24

ORDER No. E8125 SHEET NO. 11

W.H.G 9-11-24



MAIN MATERIAL

FB1-3
4-L 6 x 4 x 1/2 x 21'-3 1/16
1-Web. 16 x 1/2 x 17'-5 5/8

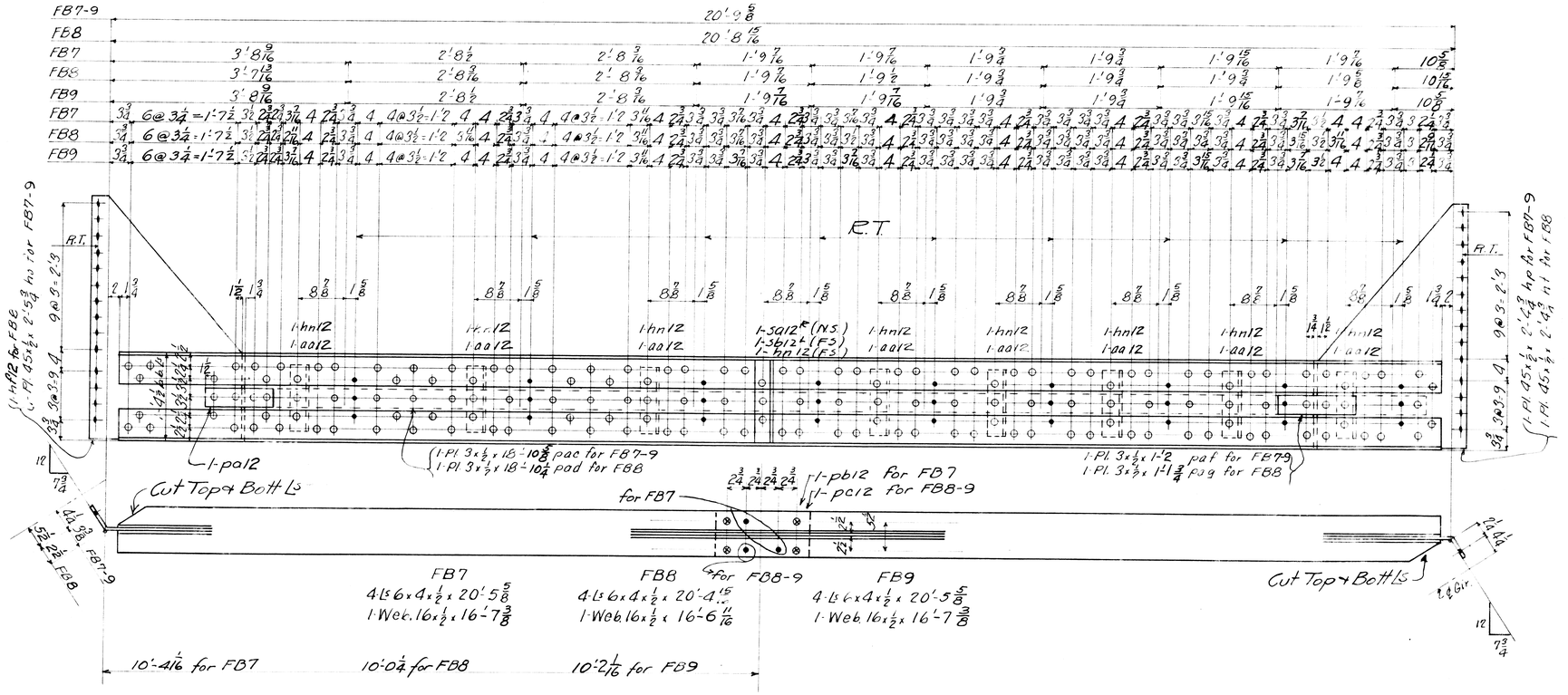
FB2
4-L 6 x 4 x 1/2 x 21'-3 3/4
1-Web. 16 x 1/2 x 17'-6

FB5
4-L 6 x 4 x 1/2 x 21'-2 11/16
1-Web. 16 x 1/2 x 17'-5

FB4-6
4-L 6 x 4 x 1/2 x 21'-2 11/16
1-Web. 16 x 1/2 x 17'-5 5/16

NOTE:
FB1 & FB2 are alike except holes in Bot Flg
FB4 & FB6 " " " " " "

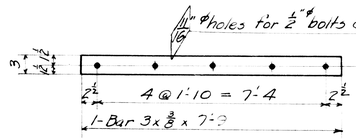
Space / Fl. Bm	A	B	C	D	E	F	G	H	I	J	K	M	c	d	e	f	g	h	k	l	m	p
FB1	21'-7 1/16	3'-8 2/16	2'-8 1/2	2'-8 3/16	1'-9 7/16	1'-9 1/2	1'-9 3/4	1'-9 3/4	1'-10 1/16	1'-8 7/8	1'-8 9/16	10'-3 15/16	3 7/16	4	3 7/16	3 1/2	3 3/4	3 3/4	4 1/16	3 11/16	2 5/8	2 7/16
FB2	21'-7 3/4	3'-8 1/4	2'-8 9/16	2'-8 3/16	1'-9 1/2	1'-9 3/4	1'-9 3/4	1'-9 3/4	1'-9 3/4	1'-9 3/4	1'-8 2/8	10'-0 3/8	3 1/16	3 11/16	3 1/2	3 3/4	3 3/4	3 3/4	3 3/4	3 11/16	3 1/4	2 3/8
FB3	21'-7 1/16	3'-8 2/16	2'-8 1/2	2'-8 3/16	1'-9 7/16	1'-9 1/2	1'-9 3/4	1'-9 7/16	1'-10 1/16	1'-8 7/8	1'-8 9/16	10'-1 7/16	3 5/16	4	3 7/16	3 1/2	3 3/4	3 3/4	4 1/16	3 11/16	2 5/8	2 7/16
FB4	21'-6 11/16	3'-8 5/8	2'-8 3/8	2'-8 1/8	1'-9 7/16	1'-9 7/16	1'-9 11/16	1'-9 11/16	1'-10	1'-8 13/16	1'-8 1/2	10'-3 15/16	3 1/2	3 7/8	3 1/16	3 1/16	3 1/16	3 1/16	4	3 5/8	2 11/16	2 5/8
FB5	21'-6 11/16	3'-7 11/16	2'-8 1/8	2'-8 1/8	1'-9 3/8	1'-9 11/16	1'-9 11/16	1'-9 11/16	1'-9 3/4	1'-9 7/16	1'-8 13/16	10'-0 15/16	3 5/8	3 5/8	3 1/16	3 1/16	3 1/16	3 3/4	3 5/8	3 3/4	2 11/16	2 7/8
FB6	21'-6 11/16	3'-8 5/8	2'-8 3/8	2'-8 1/8	1'-9 7/16	1'-9 7/16	1'-9 11/16	1'-9 11/16	1'-10	1'-8 13/16	1'-8 1/2	10'-1 15/16	3 1/2	3 7/8	3 1/16	3 1/16	3 1/16	3 1/16	4	3 5/8	2 13/16	2 5/8



FB7
4-L 6 x 4 x 1/2 x 20'-5 5/8
1-Web. 16 x 1/2 x 16'-7 3/8

FB8
4-L 6 x 4 x 1/2 x 20'-4 15/16
1-Web. 16 x 1/2 x 16'-6 11/16

FB9
4-L 6 x 4 x 1/2 x 20'-5 5/8
1-Web. 16 x 1/2 x 16'-7 3/8



M 16

REQUIRED		
One	Floor Beam	FB1
One	"	FB2
One	"	FB3
One	"	FB4
One	"	FB5
One	"	FB6
One	"	FB7
One	"	FB8
One	"	FB9
120	Bars	M16

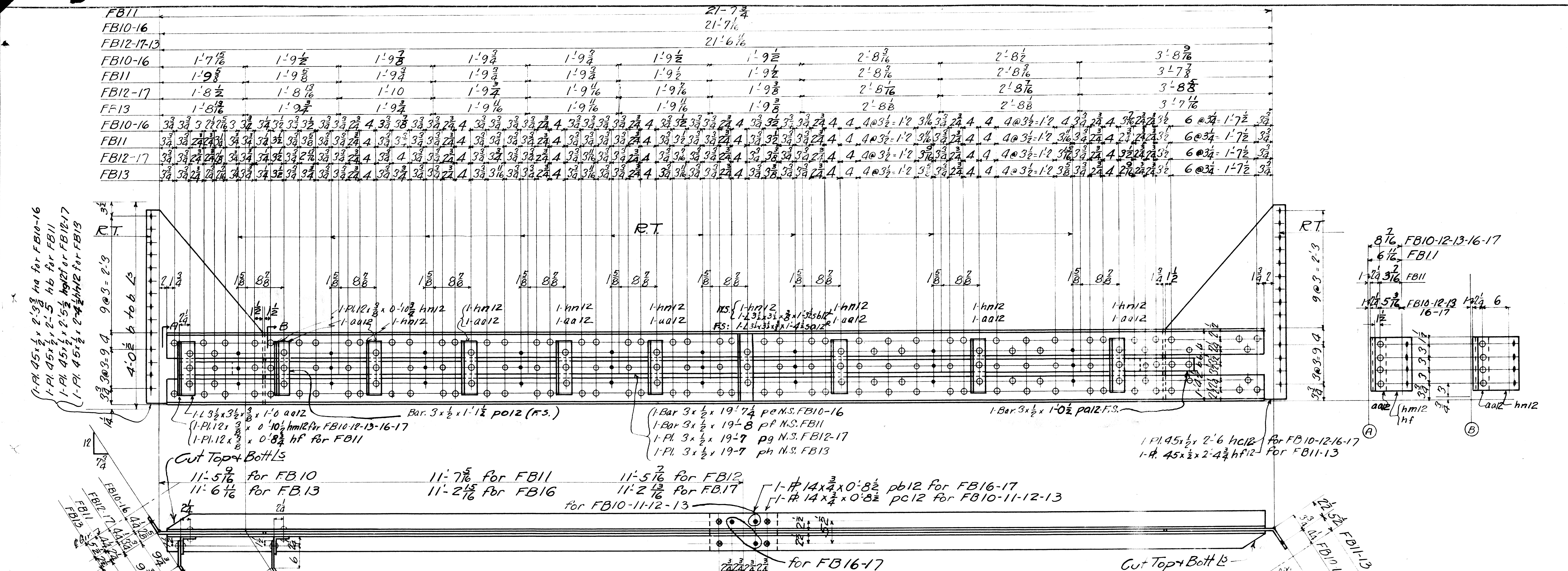
General Notes:
Rivets: 7/8" ø
Open Holes: 15/16" ø unless noted
Paint: One Coat Red Lead & Oil.
Reaming: None, except holes marked R.T. to be reamed through a steel templet.

WABASH RAILWAY COMPANY
Detroit Division
WEST FORT ST. GRADE SEPARATION
Detroit, Michigan
Details of:- End Floor Beams

AMERICAN BRIDGE COMPANY
DRAWINGS MADE AT Gary #3 PLANT
WORK FABRICATED AT Gary PLANT
IN CHARGE OF Haar
DRAW. MADE BY H.M.C. DATE 8-8-24
DRAW. CHECKED BY W.H.G. DATE 8-28-24
ORDER No. E8125
SHEET NO. 12

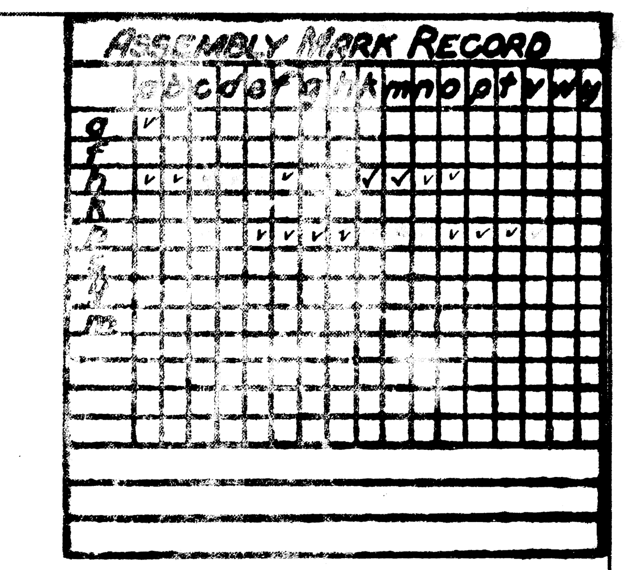
Rev. 9-24-24

Mtl. Ord. P.4



FB10 - FB11 - FB12 - FB13
FB16 - FB17

NOTE:
F.B.10 & F.B.16 are alike except for holes in Bot Flg.
F.B.12 & F.B.17 " " " " " " "



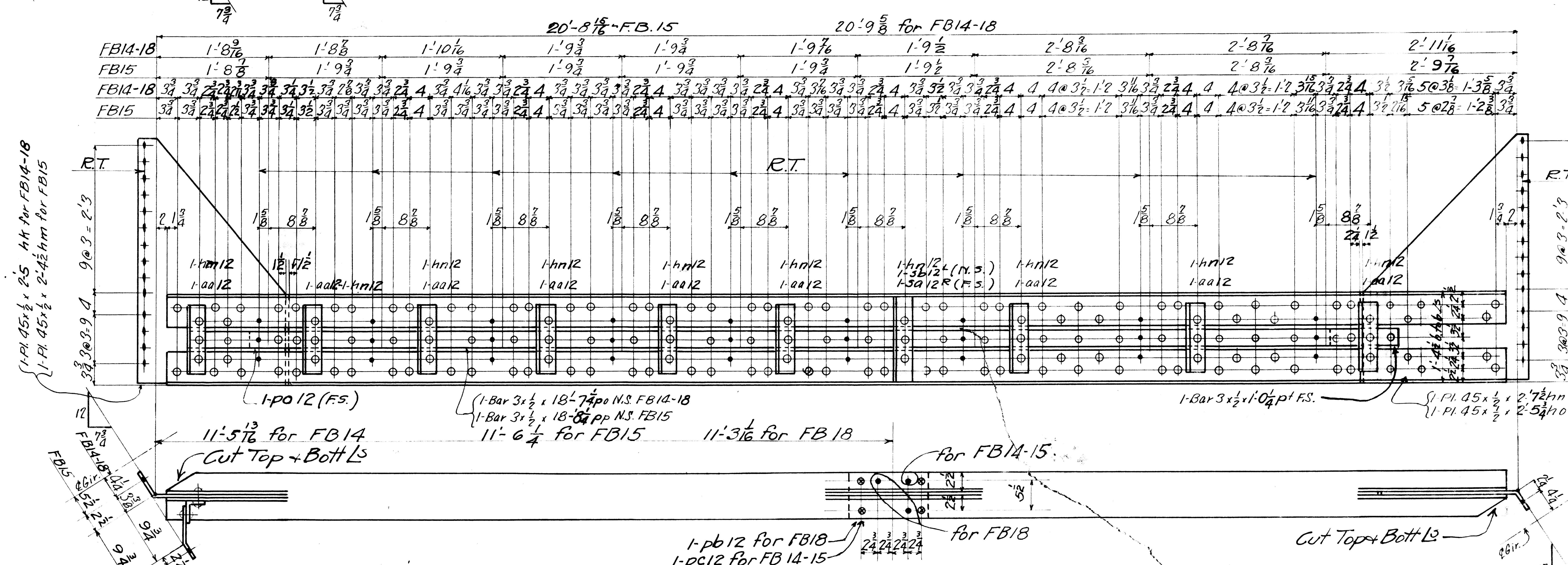
MAIN MATERIAL

FB10-16
4-Ls 6 x 4 x ½ x 21'-3 1/16
1-Web. 16 x ½ x 17'-6¼

FB11
4-Ls 6 x 4 x ½ x 21'-3¾
1-Web. 16 x ½ x 17'-5¼

FB12-17
4-Ls 6 x 4 x ½ x 21'-2 11/16
1-Web. 16 x ½ x 17'-5 5/16

FB13
4-Ls 6 x 4 x ½ x 21'-2 11/16
1-Web. 16 x ½ x 17'-5



REQUIRED

1	Floor Beam	FB16
1	" "	FB17
1	" "	FB18
1	Floor Beams	FB10
1	" "	FB11
1	" "	FB12
1	" "	FB13
1	" "	FB14
1	" "	FB15

General Notes:
Rivets: ⅞"ϕ
Open Holes: 15/16"ϕ
Paint: One Coat Red Lead & Oil.
Reaming: None, except holes marked R.T. to be reamed through a steel templet.

MAIN MATERIAL

F.B.14-18
4-Ls 6 x 4 x ½ x 20'-5⅝
1-Web 16 x ½ x 16'-5¼

F.B.15
4-Ls 6 x 4 x ½ x 20'-4 15/16
1-Web 16 x ½ x 16'-5⅞

FB14 - FB15 - FB18

NOTE:
FB14 & F.B.18 are alike except for holes in Bot. Flg.

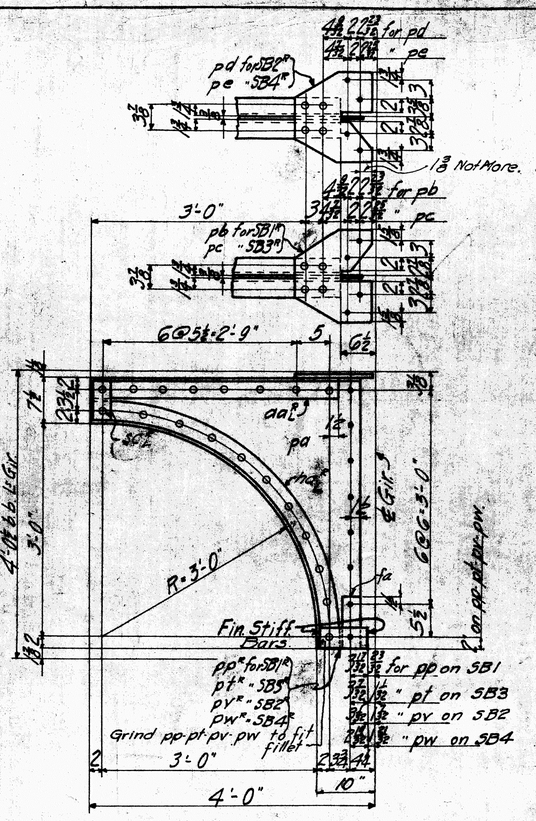
WABASH RAILWAY COMPANY
Detroit Division
WEST FORT ST. GRADE SEPARATION
Detroit, Michigan

Details of:- End Floor Beams

AMERICAN BRIDGE COMPANY.
DRAWINGS MADE AT Gary #3 PLANT.
WORK FABRICATED AT Gary PLANT.
IN CHARGE OF Kaar
DRAW. MADE BY H.M.C. DATE 8-11-24
DRAW. CHECKED BY WHG DATE 8-28-24
ORDER No. E8125
SHEET NO. 13

Rev. 9-25-24.

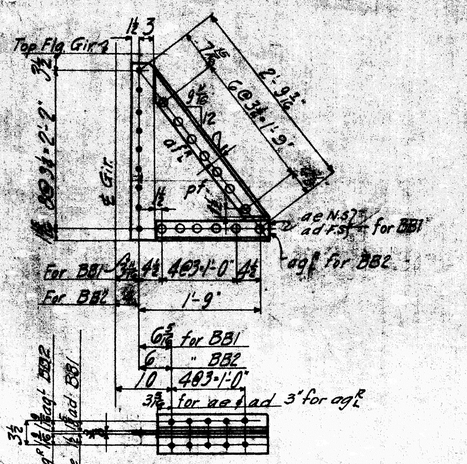
Mt'l. Ord. P.4



Sidewalk Brkts.- **SB1R-SB2R-SB3R-SB4R**

1-Pl. 45×⅜×3'-9" pa
2-L's 3½×3×⅜×3'-5½" aaL
2-L's 3½×3×⅜×0'-6½" scL
2-L's 3½×3×⅜×5'-0½" Abt. haL
1 Bar 3½×⅜×0'-3⅝" ppR for SB1R (Fin. 2 ends)
1-Pl. 15×⅜×1'-0" pb " SB1
1-Pl. 16×⅜×1'-0" pd " SB2
1 Bar 3½×⅜×0'-3⅝" ptR " SB3R (Fin. 2 ends)
1-Pl. 15×⅜×1'-0" pc " SB3L
1-Pl. 16×⅜×1'-0" pe " SB4
1-Fill 3-⅜×0'-8½" fa Bolt-2 Bolts

1 Bar 3½×⅜×0'-8⅝" pvR for SB2R Fin. 2 Ends.
1 Bar 3½×⅜×0'-9¾" pwR for SB4R Fin. 2 Ends

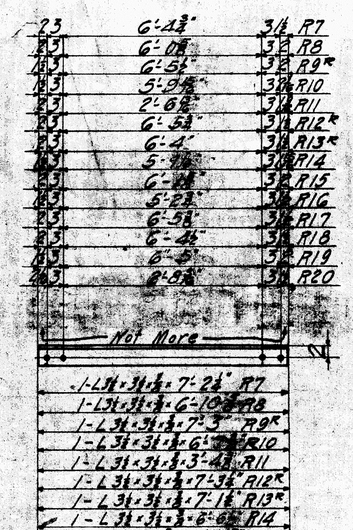


Fl. Bm. Brkt. **BB1**

1-Pl. 24×⅜×2'-5" pf
1-L 3½×3×⅜×1'-7" ae N.S.
1-L 3½×3×⅜×1'-7" ad R.S.
2-L's 3½×2½×½×2'-6½" afL

Fl. Bm. Brkt. **BB2**

1-pf
2-L 3½×3×⅜×1'-7" agL
2-afR

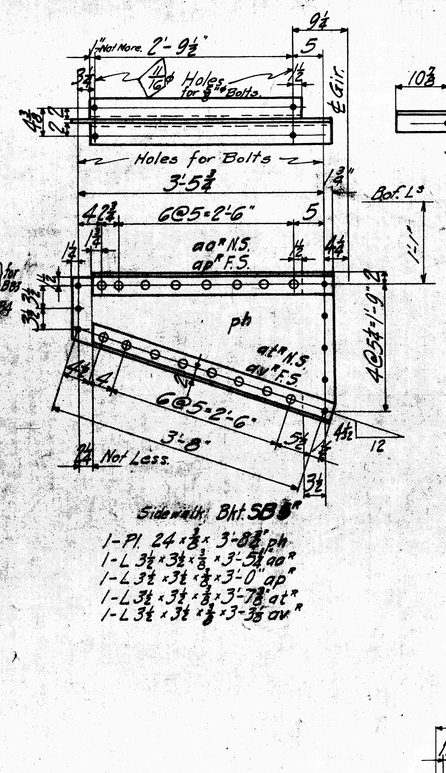


Fl. Bm. Brkt. **BB3**

1-PlR 24×⅜×2'-5" pg
1-L 3½×3×⅜×1'-7" am
1-L 3½×3×⅜×1'-7" an
2-L's 3½×2½×½×2'-5½" akR

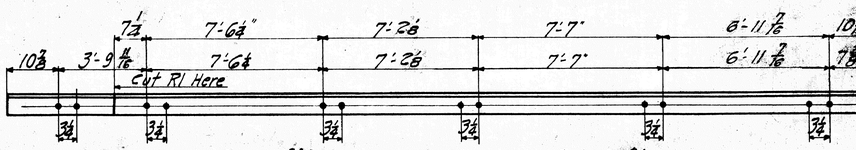
Fl. Bm. Brkt. **BB4**

1-pg
2-L's 3½×3×⅜×1'-7" ahL
2-akL



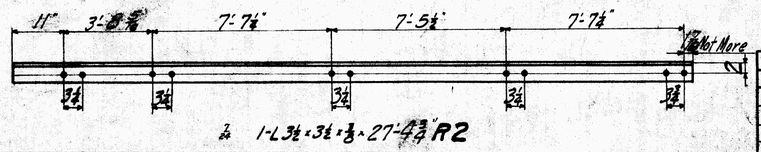
Sidewalk Brkt. **SB3R**

1-Pl. 24×⅜×3'-8½" ph
1-L 3½×3½×⅜×3'-5½" aoR
1-L 3½×3½×⅜×3'-0" apR
1-L 3½×3½×⅜×3'-7⅞" atR
1-L 3½×3½×⅜×3'-3⅞" avR

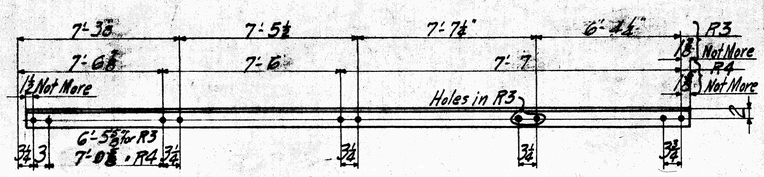


7/29 1-L 3½×3½×⅜×30'-8¾" **R1**

7/26 1-L 3½×3½×⅜×34'-6¾" **R6**

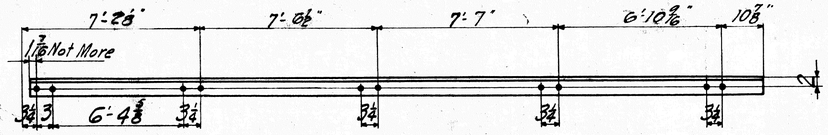


2/9 1-L 3½×3½×⅜×27'-4¾" **R2**

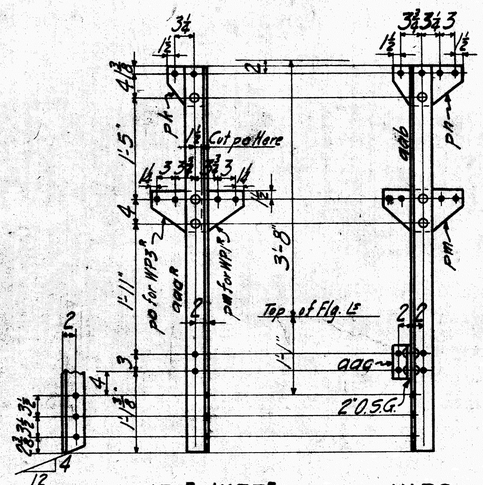


7/25 1-L 3½×3½×⅜×28'-7½" **R3**

7/26 1-L 3½×3½×⅜×22'-7½" **R4**



7/27 1-L 3½×3½×⅜×29'-11½" **R5**

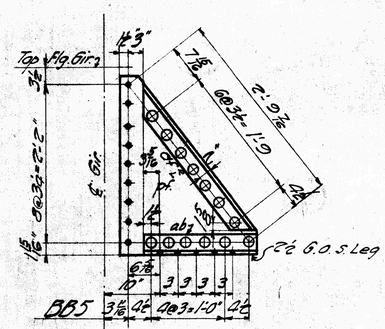


WP1R-WP3R

1-L 3½×3½×⅜×5'-5¾" aaaR
1-Pl. 7×⅜×0'-6¾" pk
1-Pl. 7×⅜×1'-4" pm for WP1R
1-Pl. 7×⅜×0'-9½" po for WP3R

WP2

1-L 3½×3½×⅜×5'-5¾" aab
1-L 3½×3½×⅜×0'-6" aac
1-Pl. 7×⅜×1'-1" pn
1-pm



Fl. Bm. Brkt. **BB5**

1-Pl-pf
1-L 3½×4×⅜×1'-7½" ab
2-L's - afL

GENERAL NOTES:

RIVETS: ⅞"φ
OPEN HOLES: 15/16" unless noted
REAMING: None
SHOP PAINT: One coat red lead & oil, except for Fl. Bm. Brkts. which are not painted. Surfaces in contact to be given one coat before assembling.

REQUIRED		
No.	Description	Mark
2	Sidewalk Brkt.	SB1R
4	do	SB1L
1	do	SB2R
2	do	SB2L
6	do	SB3R
6	do	SB3L
1	do	SB4R
2	do	SB4L
1	Fl. Bm. Brkt.	BB1
72	do	BB2
4	do	BB3
48	do	BB4
12	Walkway Brkt.	SB5R
15	do	SB5L
10	Handrail Posts	WP1R
8	do	WP1L
3	do	WP2
3	do	WP3R
3	do	WP3L
1	Handrail Ls	R1
1	do	R2
1	do	R3
1	do	R4
1	do	R5
1	do	R6
2	do	R7
3	do	R8
3	do	R9R
2	do	R10
1	do	R11
2	do	R12R
1	do	R13R
1	do	R14
1	do	R15
1	do	R16
1	do	R17
1	do	R18
1	do	R19
1	do	R20
1	Fl. Bm. Brkt	BB5
1	Handrail L	R12L
1	do	R13L
1	do	

No.		Mark	Length	Bend
23	6'-1½"	3½		R7
23	6'-0"	3		R8
46	6'-5½"	3		R9R
23	5'-9½"	3½		R10
23	2'-6½"	3½		R11
23	6'-5½"	3		R12R
46	6'-4"	3		R13R
46	5'-3½"	3½		R14
46	6'-1½"	3		R15
23	5'-2½"	3½		R16
23	6'-5½"	3		R17
23	6'-4½"	3		R18
46	6'-5"	3		R19
46	6'-8½"	3½		R20

Not More

1-L 3½×3½×⅜×7'-2½" R7
1-L 3½×3½×⅜×6'-10½" R8
1-L 3½×3½×⅜×7'-3" R9R
1-L 3½×3½×⅜×6'-6½" R10
1-L 3½×3½×⅜×3'-4½" R11
1-L 3½×3½×⅜×7'-3½" R12R
1-L 3½×3½×⅜×7'-1½" R13R
1-L 3½×3½×⅜×6'-6½" R14
1-L 3½×3½×⅜×6'-11½" R15
1-L 3½×3½×⅜×5'-10½" R16
1-L 3½×3½×⅜×7'-2½" R17
1-L 3½×3½×⅜×7'-2" R18
1-L 3½×3½×⅜×7'-2½" R19
1-L 3½×3½×⅜×3'-5½" R20

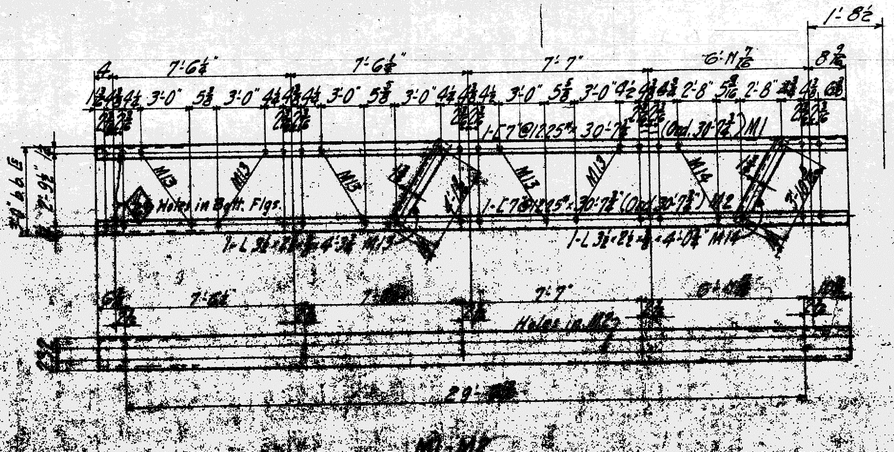
R7-20 Incl.

WABASH RAILWAY COMPANY
Detroit Division
WEST FORT ST. GRADE SEPARATION
Detroit, Michigan
Details of:- WALKWAY BRACKETS, BEAM-BRACKETS & HAND RAIL.
D 63 BBB

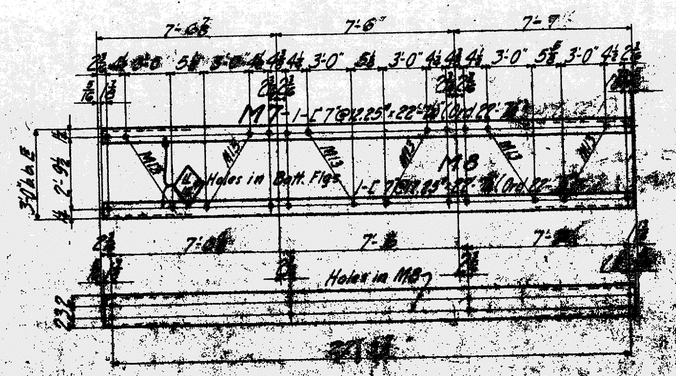
AMERICAN BRIDGE COMPANY.
DRAWINGS MADE AT Gary #3 PLANT.
WORK FABRICATED AT Gary PLANT.
IN CHARGE OF Kaar
DRAW. MADE BY H.C.G DATE 8-12-24
DRAW. CHECKED BY N.W.K DATE 8.27.24
ORDER No. E 8125
SHEET NO. 14

Rev. 10-1-24 Rev. 10-2-24 Matl Ord. A.B. 7-8.

(W WAG 9-11-24)



M1-M2



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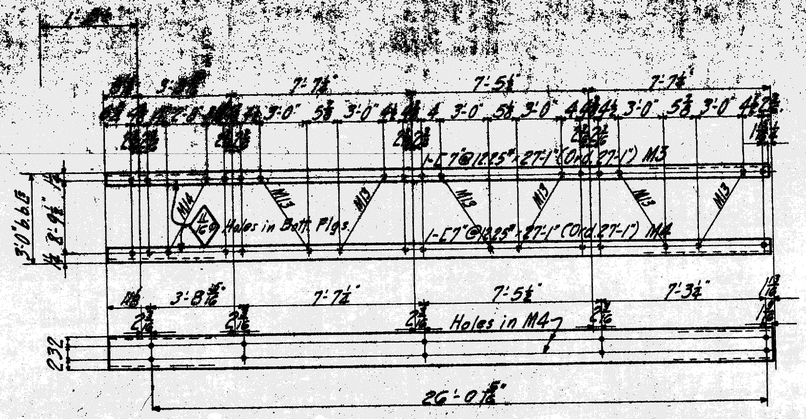
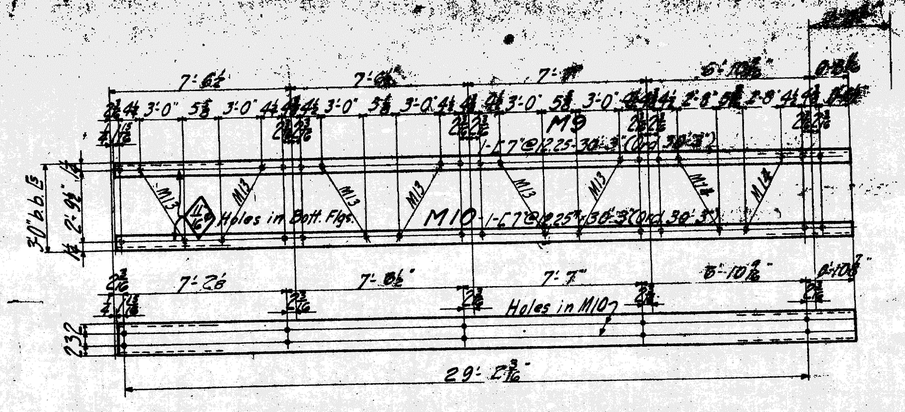
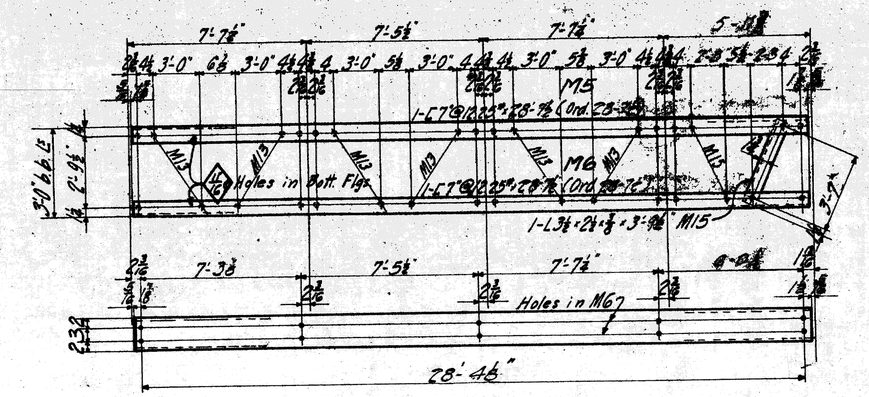


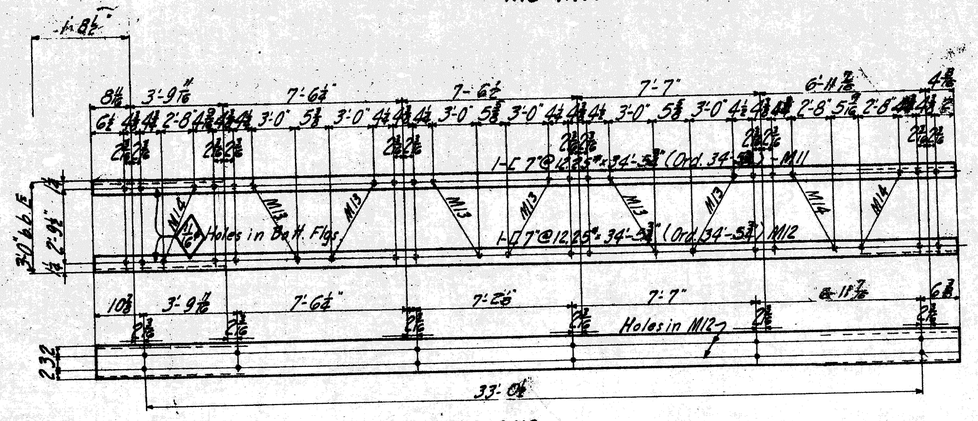
M3-M4



M9-M10



M5-M6



M11-M12

GENERAL NOTES:

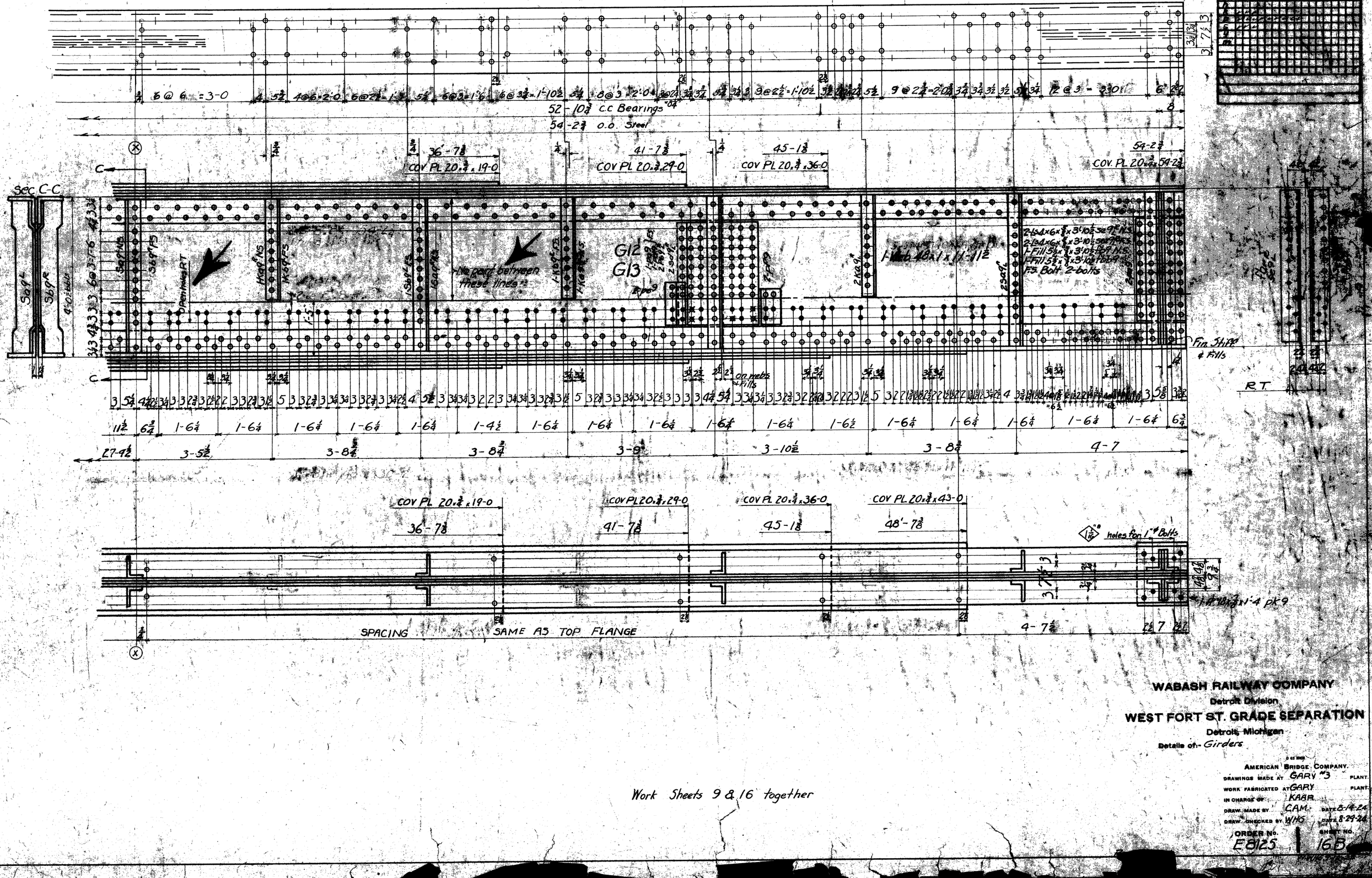
OPEN HOLES: 15/16 ϕ Unless noted
REAMING: None
SHOP PAINT: One coat red lead & oil.

REQUIRED		
No.	Description	Mark
1	Walkway Channel	M1
1	do	M2
1	do	M3
1	do	M4
1	do	M5
1	do	M6
1	do	M7
1	do	M8
1	do	M9
1	do	M10
1	do	M11
1	do	M12
36	Lac. Angle	M13
8	do	M14
2	do	M15

WABASH RAILWAY COMPANY
Detroit Division
WEST FORT ST. GRADE SEPARATION
Detroit, Michigan
Details of:- WALKWAY STRINGERS.

D 63 BBM
AMERICAN BRIDGE COMPANY.
DRAWINGS MADE AT Gary #3 PLANT.
WORK FABRICATED AT Gary PLANT.
IN CHARGE OF Kaar
DRAW. MADE BY H.C.G. DATE 8-13-24
DRAW. CHECKED BY AMK DATE 8-27-24
ORDER No. E 8125
SHEET NO. 15

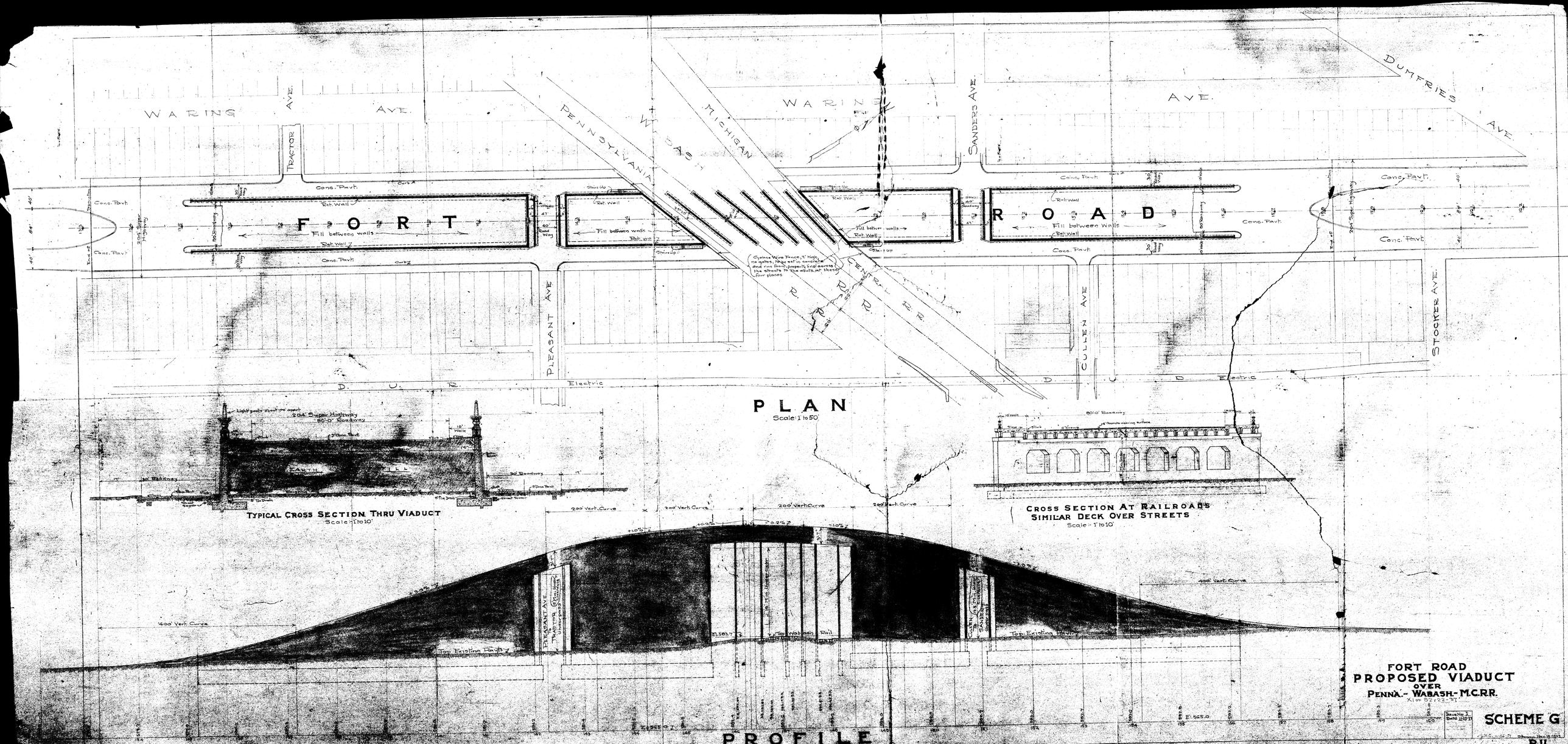
VVWHG-7-1-24



Work Sheets 9 & 16 together

WABASH RAILWAY COMPANY
Detroit Division
WEST FORT ST. GRADE SEPARATION
Detroit, Michigan
Details of:- Girders

AMERICAN BRIDGE COMPANY.
DRAWINGS MADE AT GARY #3 PLANT.
WORK FABRICATED AT GARY PLANT.
IN CHARGE OF KAAR
DRAW. MADE BY CAM. DATE 8-14-24
DRAW. CHECKED BY WHG DATE 8-29-24
ORDER NO. E8125
SHEET NO. 16B



WARING AVE.
TRACTOR AVE.
PENNSYLVANIA
WABASH
MICHIGAN
WARING AVE.
SANDERS AVE.
DUMFRIES AVE.
FORT ROAD
Fill between walls
Conc. Pavt.
Ret. Wall
Stairs Up
Cyclone Wire Fence, 2' high, no gates, tape set in concrete and run front property line across the streets to the abuts, at these four places
CENTRAL R.R.
R.R.
PLEASANT AVE.
CULLEN AVE.
STOCKER AVE.
D. U. R. Electric
PLAN
Scale: 1" to 50'
204' Super Highway
80'-0" Roadway
EARTH FILL
TYPICAL CROSS SECTION THRU VIADUCT
Scale: 1" to 10'
80'-0" Roadway
CROSS SECTION AT RAILROADS
SIMILAR DECK OVER STREETS
Scale: 1" to 10'
200' Vert. Curve
400' Vert. Curve
Top Existing Pavt.
Top Wabash Rail
PROFILE
FORT ROAD
PROPOSED VIADUCT
OVER
PENNA.- WABASH.- M.C.R.R.
SCHEME G

9 - 1⅜ | 12 - 7⅜ | 17 - 7⅜

1 Cov Pl 20 × ¾ × 54'-2¾ | 1 Cov Pl 20.¾ × 36'-0 | 1 Cov Pl 20 × ¾ × 29'-0 | 1 Cov Pl 20.¾ × 19-0

7½ 6 14@3 = 3'6 | 5½ 3¾ 4 4 13@2 = 2'-2 | 6 5 5 5@3 = 1'3 | 5@3½ = 1'4½ | 5½ 5½ | 11@3 = 2'-9 | 6 4½ 4½ 6 6 | 8@2½ = 1'8 | 5¾ 5@3 = 1'3 | 6 6 5¾ 5¾ 5¾ 4 | 6@6 = 3'0 | 5¾

52'-10⅜ C.C. BEARINGS

54'- 2¾ O.O. STEEL

4-Pl 4 × 6 × ⅝ × 3'-10½ sc9ᴿ
1-Fills. 5½ × ⅝ × 3'-10½ fa9 bolt 4 bolts.
1-Pls. 15 × 1 × 2'-8 pc9

1-Pl 4 × 6 × ½ × 2'-7 ka9ᴿ Crimp1"

1-Pl 22 × ⅝ × 2'-8 pb9ᴿ
1-Pl 14½ × ½ × 1'-8 pc9 FS.
1-Pl 4 × 6 × ½ × 3'-11½ sd9ᴿ crimp⅜"

1-L 4 × 6 × ½ × 2'-7½ kb9ᴿ FS.
1-L 4 × 6 × ½ × 2'-7 ka9ᴿ NS.

1-L 4 × 6 × ½ × 4'-1 sb9ᴿ Crimp¼ FS.
1-sb9ᴿ NS.

Holes RT

4-0½ bbl2 | 9@3 = 2'3 | 3½

5 3@3 3@4 | 3½ 3 3 3 6@3 = 1'6 | 4½ 3½

1'-5

Sc9ᴿ fa9

4 3 4 | 11

Sc9ᴿ fa9

Fa9ᴿ | 6a9ᴿ fa9 | Open Holes RT | 1-Web 48 × ½ × 12'-0½ | DELRAY for G12 JUNCTION AVE G13 | Ka9ᴿ | 2-Pl 6 × ½ × 4'-6½ sa9ᴿ Crimp | Sa9ᴿ

1-Pl 6 × ⅝ × 0'-10¾ pf9

G12
G13

2-Pl 6 × ⅝ × 1'-1¾ pc9
1-Pl 3 × ½ × 1'-1¾ pd9 FS.

Kb9ᴿ FS. | Ka9ᴿ NS. | No paint between these lines | Sb9ᴿ FS. | Sa9ᴿ NS.

2-Ls 8.8.1 × 54'-2¾
1-Fill 8.⅜ × 30 - 2¼ F.S.
1-Web 48 × ½ × 30'-2¼

1-Kb9ᴿ FS. | 1-Ka9ᴿ NS. | 1-Sb9ᴿ FS. | 1-Sa9ᴿ NS.

Fin. Stiff. + Fills

On Web | On Web + Fills

2-Ls 8.8.1 × 54'-2¾
1-Fill 8.⅜ × 30 - 2¼ F.S.

2-7 | 8@3½ = 2'-2 | Ka9ᴿ | Sec A-A

2-7 | 8@3½ = 2'-2 | Kb9ᴿ | Sec B-B

9¾ 1-6 | 1-6 | 1-6 | 9 | 9 | 1-6 | 1-6 | 1-6 | 1-6¼ | 1-6¼ | 1-6¼ | 1-6⅝ | 1-9⅞ | 1-5⅜ | 1-6¼ | 1-6¼ | 1-6¼ | 1-6¼ | 11½

4'-9¼ | 3'-8¼ | 3'-9¼ | 3'-9 | 3'-9⅞ | 3'-8⅜ | 3'-10¼

5'-7⅜ | 9 - 1⅜ | 12'-7⅜ | 17'-7⅜

1 Cov Pl 20.¾ × 43'-0 | 1 Cov Pl 20.¾ × 36'-0 | 1 Cov Pl 20.¾ × 29'-0 | 1-Cov Pl 20.¾ × 19-0

SLOTTED HOLES for 1" Bolts.

1-Pl 18⅜ × ½ × 4 ph9

2½ 7 2½ | 4-7⅜

SPACING SAME AS IN TOP FLANGE

Sc9ᴸ Sc9ᴿ | Sa9ᴿ | Ka9ᴿ | Sd9ᴿ | Kb9ᴿ | Sb9ᴿ | Kb9ᴿ | Sb9ᴿ | Kb9ᴸ | Sb9ᴸ | Kb9ᴸ | Sd9ᴸ | Ka9ᴸ | Sa9ᴸ | Se9ᴸ Se9ᴿ

Sc9ᴸ Sc9ᴿ | Sa9ᴸ | Ka9ᴸ | Sd9ᴸ | Kb9ᴸ | Sb9ᴸ | Kb9ᴸ | Sb9ᴸ | Ka9ᴿ | Sb9ᴿ | Ka9ᴿ | Sd9ᴿ | Ka9ᴿ | Sa9ᴿ | Se9ᴸ Se9ᴸ

Stiffener Diagram

REQUIRED			
1	GIRDER	G12	19 Tons
1	"	G13	19 Tons

GENERAL NOTES.
Rivets: 1"
Open Holes: ⅞ unless noted.
Reaming: None except material more than ¾" thick to be sub-punched ⅞" and reamed to size. Holes marked R.T. to be reamed thru a steel templet.
Paint: One coat of Red Lead and Oil except as noted on details. Surfaces in contact, one coat before assembling.

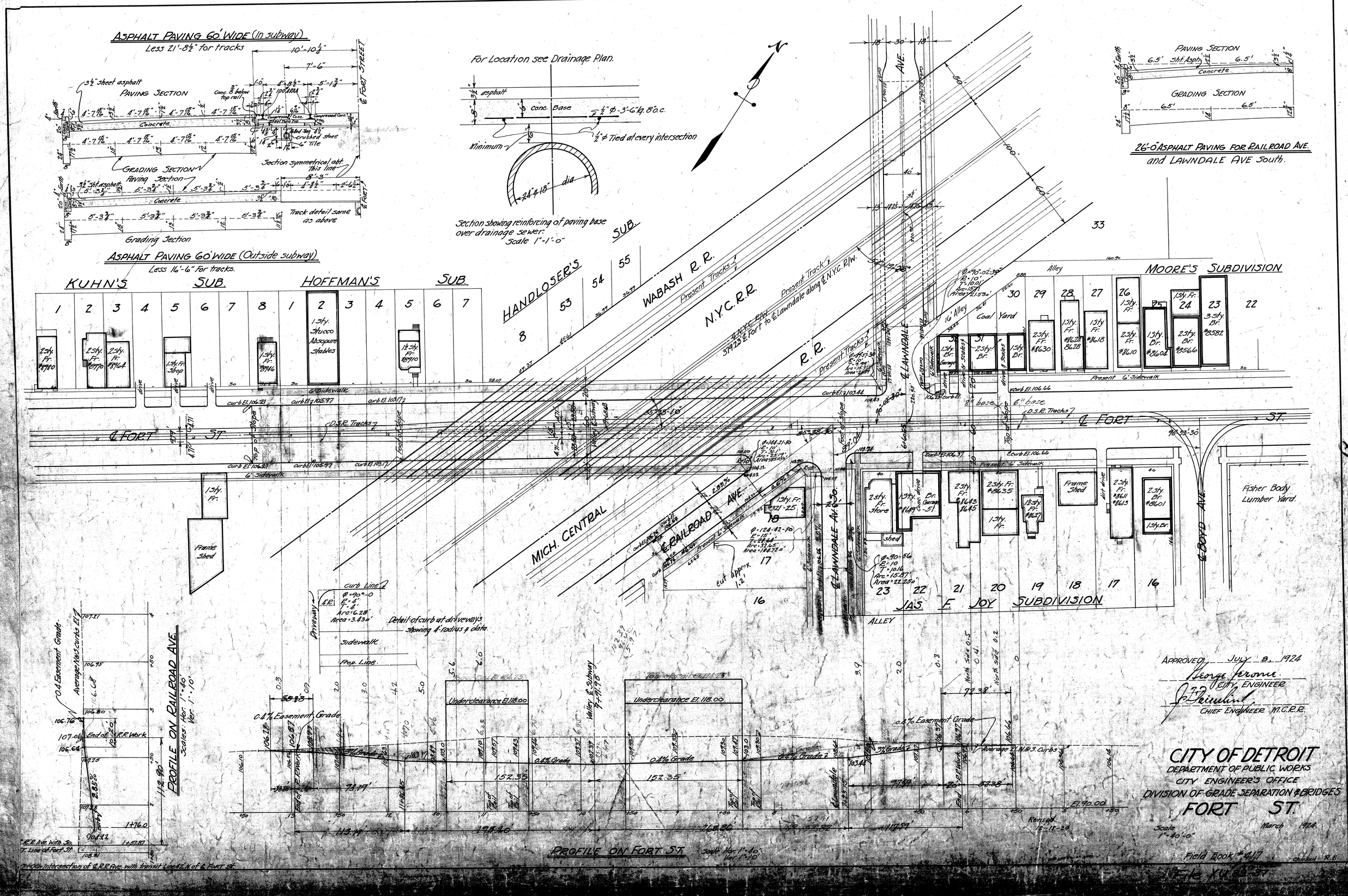
Work Together Sheets 9 & 16

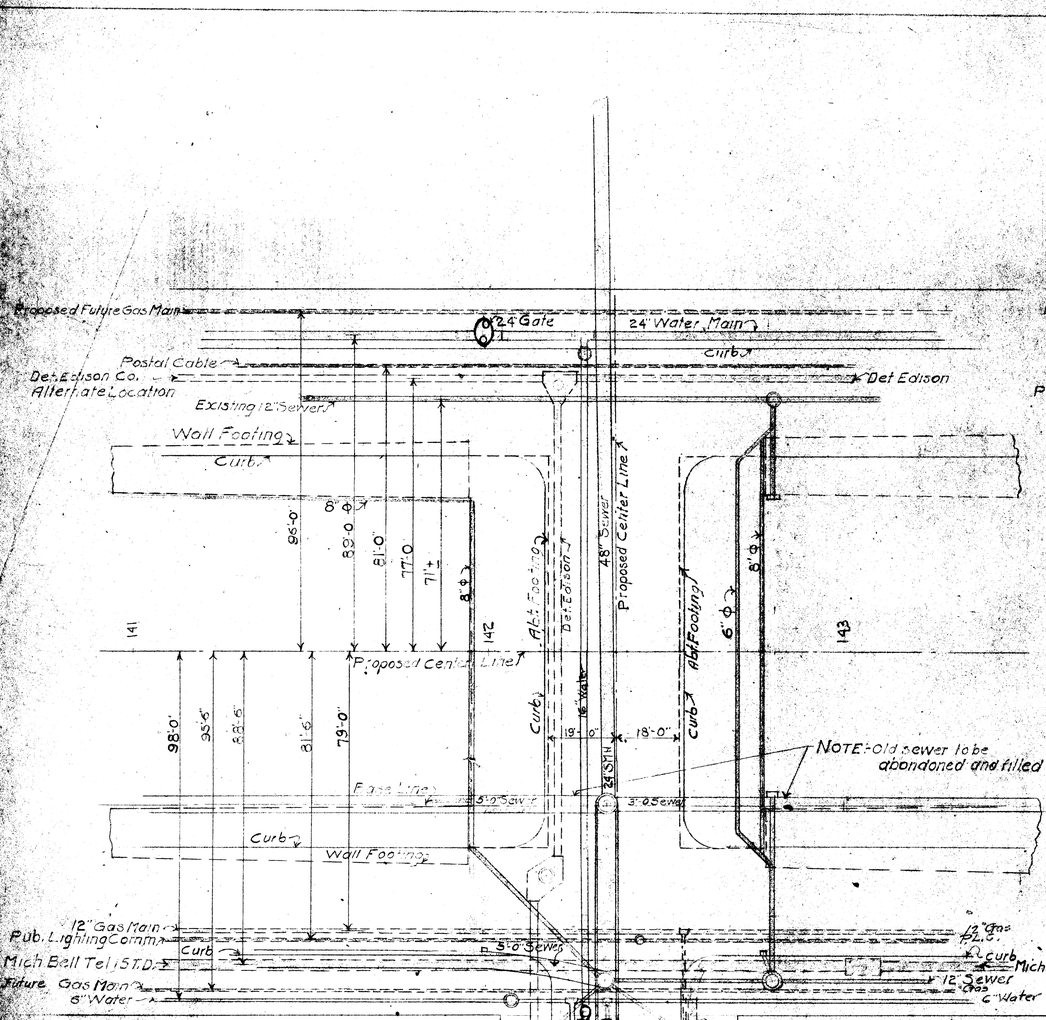
WABASH RAILWAY COMPANY
Detroit Division
WEST FORT ST. GRADE SEPARATION
Detroit, Michigan
Details of: Girders

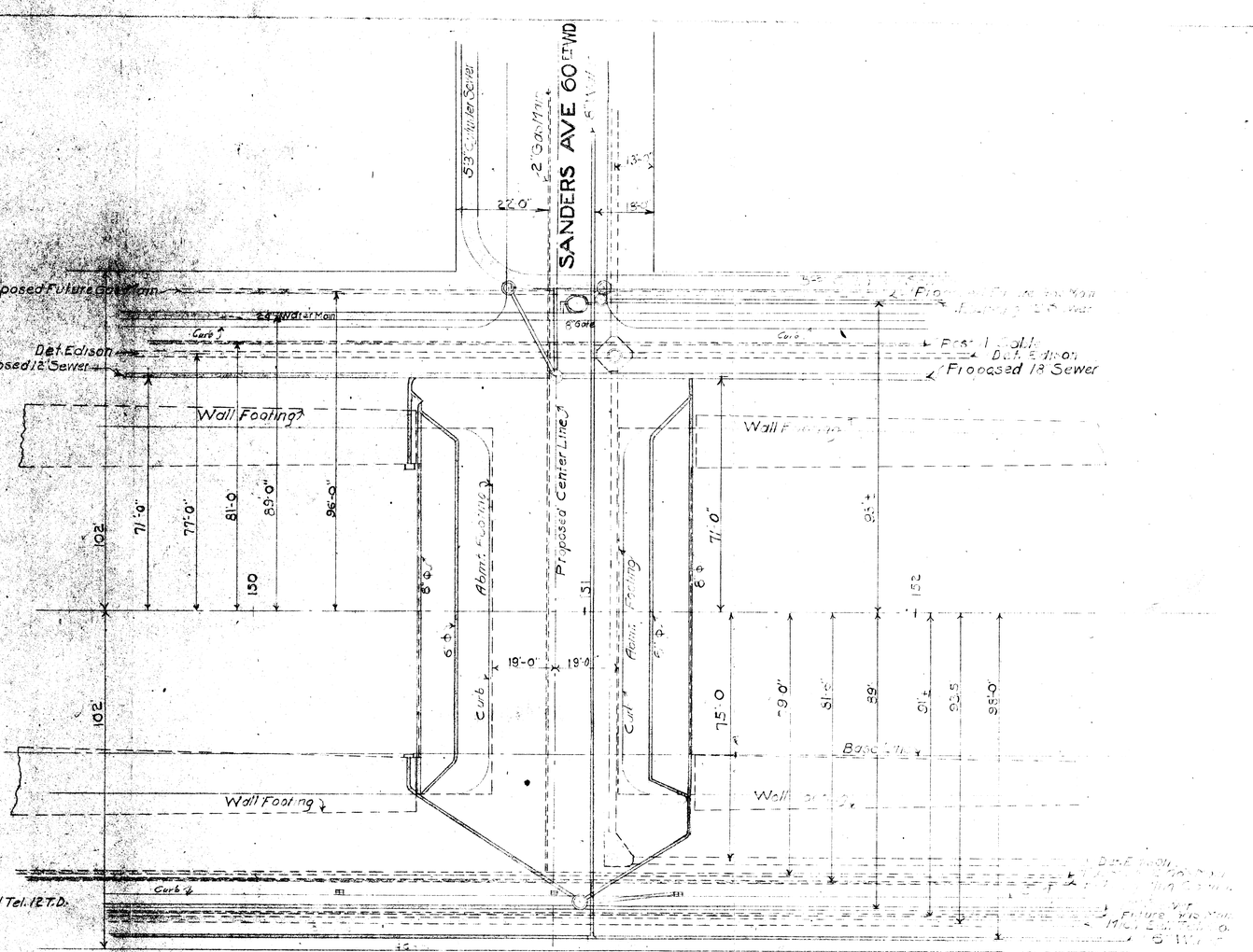
AMERICAN BRIDGE COMPANY.
DRAWINGS MADE AT GARY #3 PLANT.
WORK FABRICATED AT GARY PLANT.
IN CHARGE OF KAAR
DRAW. MADE BY C.A.M. DATE 8-13-29
DRAW. CHECKED BY W.H.G. DATE 8-29-30
ORDER No. E8125 | SHEET NO. 16AB

W.H.G. 9-10-29

Ovd AB pp 2-3


ASPHALT PAVING 60' WIDE (In subway)
Less 21'-8½" for tracks
PAVING SECTION
GRADING SECTION
Section symmetrical abt. this line
Track detail same as above
Grading Section
ASPHALT PAVING 60' WIDE (Outside subway)
Less 16'-6" for tracks.
For Location see Drainage Plan.
Section showing reinforcing of paving base over drainage sewer.
Scale 1"=1'-0"
26'-0" ASPHALT PAVING FOR RAILROAD AVE. and LAWNDALE AVE South.
KUHN'S SUB.
HOFFMAN'S SUB.
HANDLOSER'S SUB.
WABASH R.R.
N.Y.C.R.R.
MOORE'S SUBDIVISION
MICH. CENTRAL R.R.
RAILROAD AVE.
LAWNDALE AVE.
BOYD AVE.
JAS. F. JOY SUBDIVISION
Fisher Body Lumber Yard.
Coal Yard
Frame Shed
Detail of curb at driveways showing 4' radius & data.
PROFILE ON RAILROAD AVE.
PROFILE ON FORT ST.
APPROVED JULY 8, 1924
CITY ENGINEER
CHIEF ENGINEER M.C.R.R.
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEER'S OFFICE
DIVISION OF GRADE SEPARATION & BRIDGES
FORT ST.
March 1924
Scale 1"=40'-0"
Field Book #417
File XU 33-37





PLEASANT AVE DETAIL

SANDERS AVE DETAIL

Scale 1"=20-0

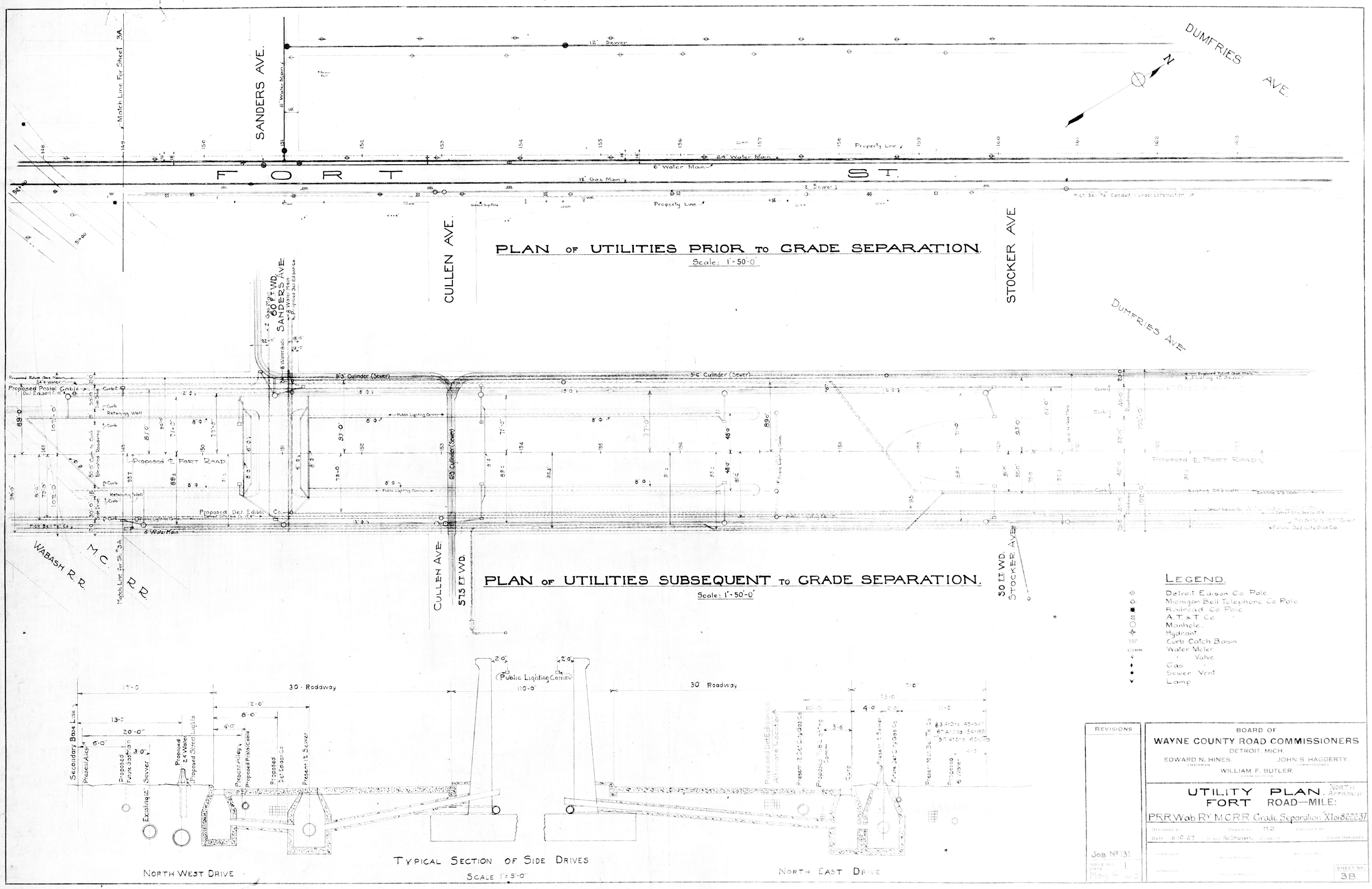
REVISIONS

ISSUED 1
DATE 5-4-38

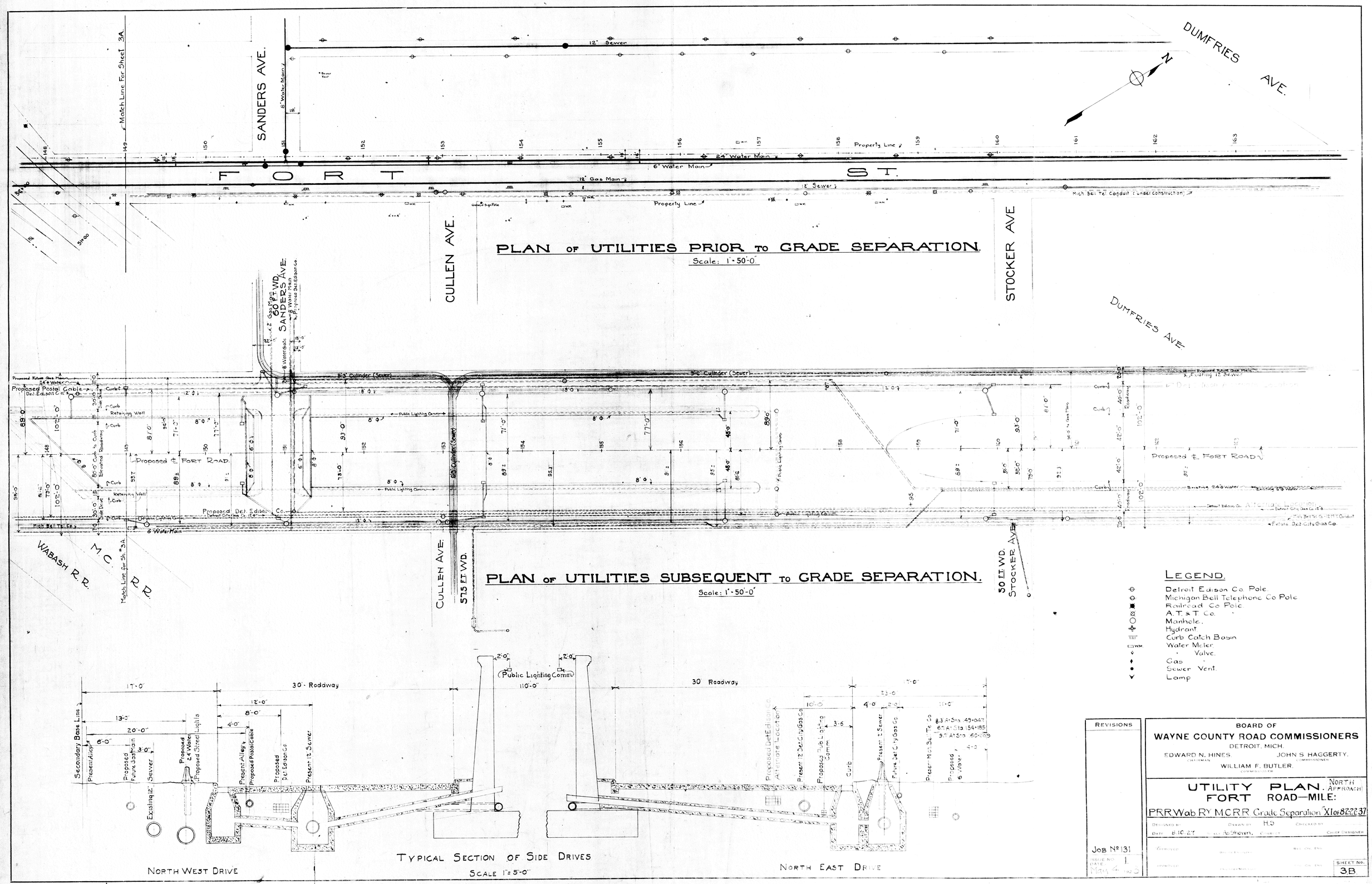
BOARD OF
WAYNE COUNTY ROAD COMMISSIONERS
DETROIT MICH.
EDWARD N. HINES, CHAIRMAN — JOHN S. HAGGERTY, COMMISSIONER
WILLIAM F. BUTLER, COMMISSIONER

UTILITY PLAN (DETAILS AT CROSS STREETS)
FORT ROAD — [illegible]
PRR W&B R.R.M.C.R.R. Grade Separation X1 of P.S.C.D.
DESIGNED BY [illegible]
DATE [illegible]
APP'D
APP'D

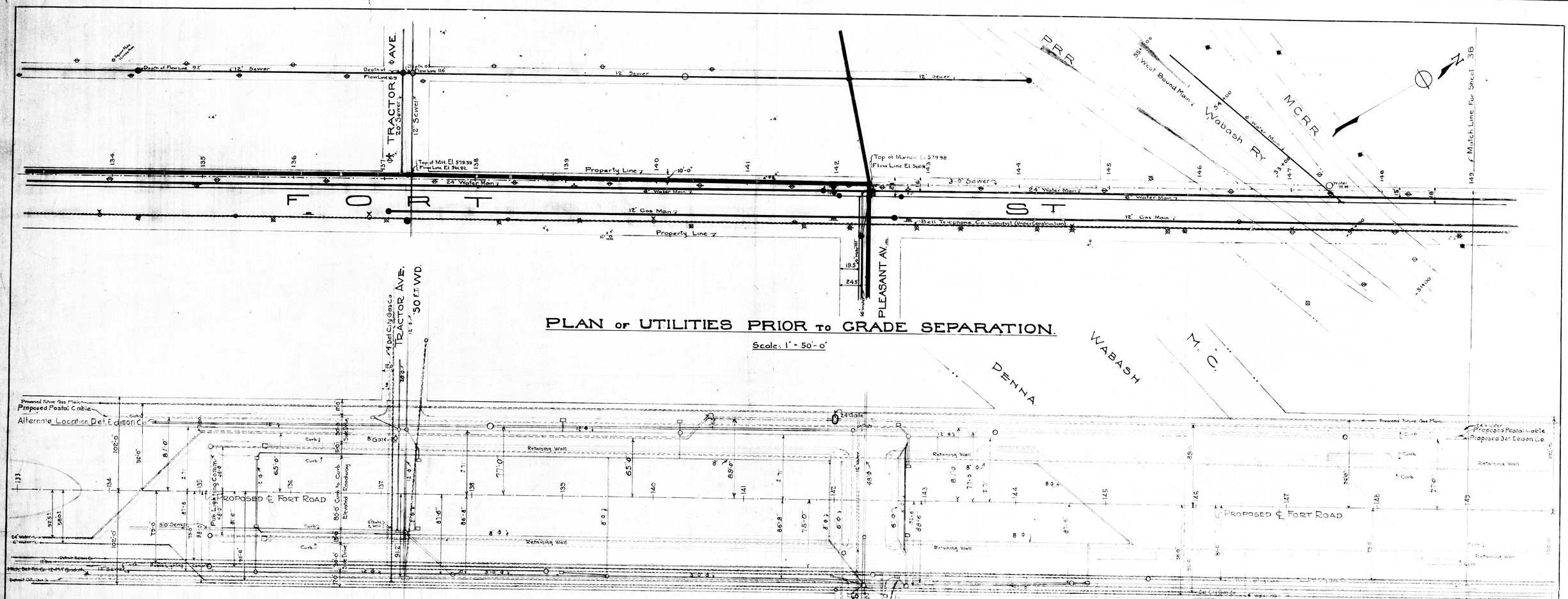
SHEET NO. 2



SANDERS AVE.
DUMFRIES AVE.
FORT ST.
CULLEN AVE.
STOCKER AVE
Match Line For Sheet 3A
12" Sewer
8" Water Main
24" Water Main
6" Water Main
12" Gas Main
Property Line
Mich. Bell Tel. Conduit (under construction)
PLAN OF UTILITIES PRIOR TO GRADE SEPARATION.
Scale: 1"=50'-0"
60 FT. WD. SANDERS AVE.
8'-3" Cylinder (Sewer)
5'-6" Cylinder (Sewer)
6'-3" Cylinder (Sewer)
Proposed Future Gas Main
Proposed Postal Cable
Proposed ℄ FORT ROAD
Proposed Det. Edison Co.
Retaining Wall
Public Lighting Comm.
Mich. Bell Tel. Co.
6" Water Main
WABASH R.R.
M.C. R.R.
Match Line for Sh. #3A
CULLEN AVE.
57.5 FT. WD.
50 FT. WD. STOCKER AVE.
PLAN OF UTILITIES SUBSEQUENT TO GRADE SEPARATION.
Scale: 1"=50'-0"
LEGEND.
Detroit Edison Co. Pole
Michigan Bell Telephone Co. Pole
Railroad Co. Pole
A.T.&T. Co.
Manhole.
Hydrant.
Curb Catch Basin
Water Meter
Valve
Gas
Sewer Vent
Lamp
30' Roadway
Public Lighting Comm.
110'-0"
Secondary Base Line
Present Alley
Proposed Future Gas Main
Existing 12" Sewer
Proposed 24" Water
Proposed Street Lights
Present Alley
Proposed Postal Cable
Proposed Det. Edison Co.
Present 12" Sewer
Proposed Det. Edison Co. Alternate Location
Present 12" Det. City Gas Co.
Proposed Pub. Lighting Comm.
Curb
Present 12" Sewer
Future Det. City Gas Co.
Present Mich. Bell Tel. Co.
Proposed 6" Water
NORTH WEST DRIVE
TYPICAL SECTION OF SIDE DRIVES
Scale 1"=5'-0"
NORTH EAST DRIVE
REVISIONS
JOB No. 131
ISSUE No. 1
DATE May 4 1923
BOARD OF
WAYNE COUNTY ROAD COMMISSIONERS
DETROIT, MICH.
EDWARD N. HINES, CHAIRMAN
JOHN S. HAGGERTY, COMMISSIONER
WILLIAM F. BUTLER, COMMISSIONER
UTILITY PLAN. NORTH APPROACH
FORT ROAD—MILE:
P.R.R. Wab. RY. M.C.R.R. Grade Separation X1 of 82-22-37
DESIGNED BY
DRAWN BY H.S.
CHECKED BY
DATE 5.10.27
SCALE As Shown
CORRECT
CHIEF DESIGNER
APPROVED
ENGINEER
SHEET No. 3B



PLAN OF UTILITIES PRIOR TO GRADE SEPARATION.
Scale: 1"=50'-0"
PLAN OF UTILITIES SUBSEQUENT TO GRADE SEPARATION.
Scale: 1"=50'-0"
FORT ST.
SANDERS AVE.
CULLEN AVE.
STOCKER AVE
DUMFRIES AVE.
WABASH R.R.
M.C. R.R.
Match Line For Sheet 3A
Proposed ℄ FORT ROAD
Proposed Det. Edison Co.
Proposed Postal Cable
Public Lighting Comm.
Mich. Bell Tel. Co.
Future Det. City Gas Co.
Alternate Location
Property Line
12" Sewer
24" Water Main
6" Water Main
12" Gas Main
8" Water Main
60 FT. WD.
57.5 FT. WD.
50 FT. WD.
LEGEND.
Detroit Edison Co. Pole.
Michigan Bell Telephone Co Pole
Railroad Co Pole.
A.T. & T. Co.
Manhole.
Hydrant.
Curb Catch Basin
Water Meter.
Valve.
Gas
Sewer Vent.
Lamp
30' Roadway
Public Lighting Comm.
Secondary Base Line
Present Alley
Proposed Future Gas Main
Existing 12" Sewer
Proposed 24" Water
Proposed Street Lights
Present Alley
Proposed Postal Cable
Proposed Det. Edison Co.
Present 12" Sewer
Proposed Det. Edison Co. Alternate Location
Present 12" Det. City Gas Co.
Proposed Pub. Lighting Comm.
Curb
Present 12" Sewer
Future Det. City Gas Co.
Present Mich. Bell Tel. Co.
Proposed 6" Water
NORTH WEST DRIVE
TYPICAL SECTION OF SIDE DRIVES
SCALE 1"=5'-0"
NORTH EAST DRIVE
REVISIONS
JOB No 131
ISSUE NO. 1
DATE May 4 1923
BOARD OF
WAYNE COUNTY ROAD COMMISSIONERS
DETROIT, MICH.
EDWARD N. HINES, CHAIRMAN
JOHN S. HAGGERTY, COMMISSIONER
WILLIAM F. BUTLER, COMMISSIONER
UTILITY PLAN. NORTH APPROACH
FORT ROAD—MILE:
PRR Wab Ry MCRR Grade Separation X1 of 82-22-37
DESIGNED BY
DRAWN BY H.S.
CHECKED BY
DATE 8.10.27
SCALE As Shown.
CHIEF DESIGNER
SHEET No. 3B

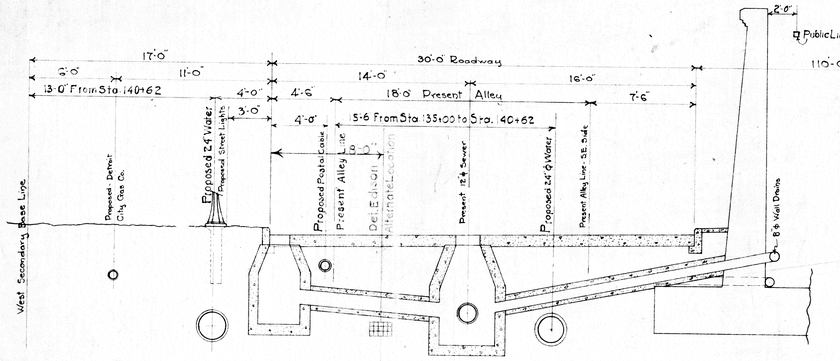


PLAN OF UTILITIES PRIOR TO GRADE SEPARATION.

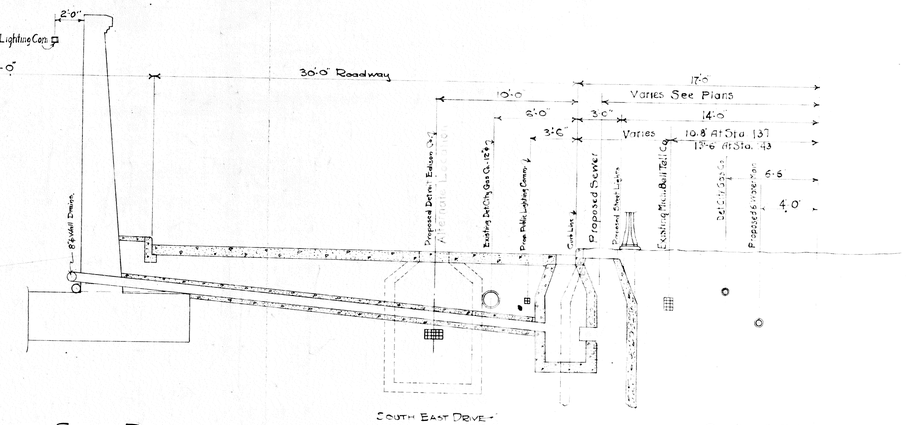
Scale: 1" - 50'-0"

PLAN OF UTILITIES SUBSEQUENT TO GRADE SEPARATION.

Scale: 1" - 50'-0"



SOUTH WEST DRIVE



SOUTH EAST DRIVE

TYPICAL SECTION OF SIDE DRIVES.

Scale 1":5'-0"

LEGEND.

- Detroit Edison Co Pole
- Michigan Bell Telephone Co Pole
- Railroad Co Pole
- A.T. & T. Co
- Manhole
- Hydrant
- Curb Catch Basin
- WM Water Meter
- Valve
- Gas
- Sewer Vent
- Lamp

REVISIONS

JOB Nº 131
ISSUE NO. 1
DATE: [illegible] 4 '28

BOARD OF
WAYNE COUNTY ROAD COMMISSIONERS
DETROIT, MICH.
EDWARD N. HINES, CHAIRMAN — JOHN S. HAGGERTY, COMMISSIONER
WILLIAM F. BUTLER, COMMISSIONER

UTILITY PLAN (SOUTH APPROACH)
FORT ROAD—MILE:
PRR Wab Ry MCRR Grade Separation X1 or 822137

DESIGNED BY — DRAWN BY HS — CHECKED BY
DATE 8.12.27 SCALE As Shown — CORRECT — CHIEF DESIGNER
APPROVED — ENGINEER OF DESIGN — REG. ENGINEER
APPROVED — ENGINEER OF ROADS — REG. ENGINEER

SHEET Nº 3A

EXHIBIT "B"

APPROVED:
ENGINEER MANAGER, BOARD OF WAYNE CO. ROAD COMMISSIONERS
APPROVED:
CITY ENGINEER, CITY OF DETROIT
APPROVED:
CHIEF ENGINEER, PERE MARQUETTE RAILWAY
APPROVED:
CHIEF ENGINEER, PENNSYLVANIA RAILROAD CO.

REVISIONS

BOARD OF
WAYNE COUNTY ROAD COMMISSIONERS
DETROIT, MICH.

EDWARD N. HINES, CHAIRMAN
JOHN S. HAGGERTY, COMMISSIONER
WILLIAM F. BUTLER, COMMISSIONER

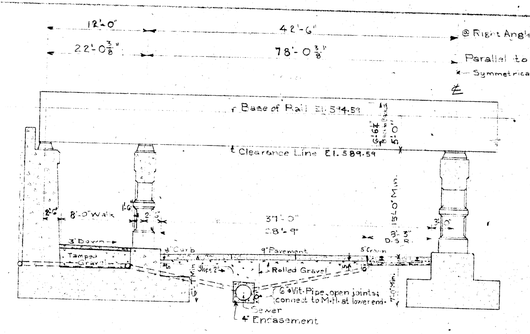
CHANGES IN DISTRICT SOUTH OF FORT STREET
P.M.RY.-P.R.R.-GRADE SEPARATION XI OF 82-22-2

DRAWN BY E.G. CHECKED BY: CORRECT CHIEF DESIGNER
DATE 9-10-27 SCALES: HORIZ. 1"=50'; VERT. 1"=5'

APPROVED: BRIDGE ENGINEER REG. CIV. ENG.
APPROVED: ENGINEER MANAGER REG. CIV. ENG.

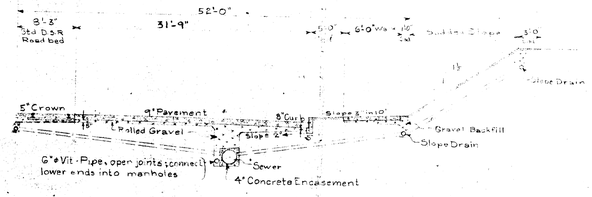
ISSUE NO.
DATE:

SHEET NO. P-8



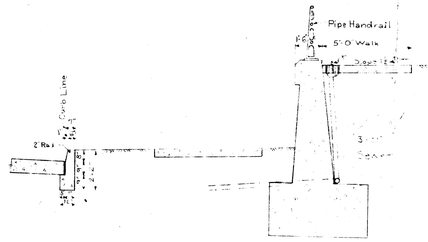
HALF SECTION OF FORT STREET AT BRIDGE

SCALE 1"=10'



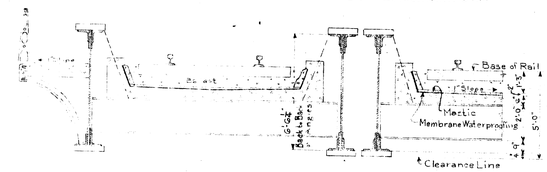
HALF SECTION OF FORT STREET IN APPROACHES

SCALE 1"=10'



SECTION "A-A"

SCALE 1/4"=1'-0"



TYPICAL SECTION THRU DECK

SCALE 1/4"=1'-0"

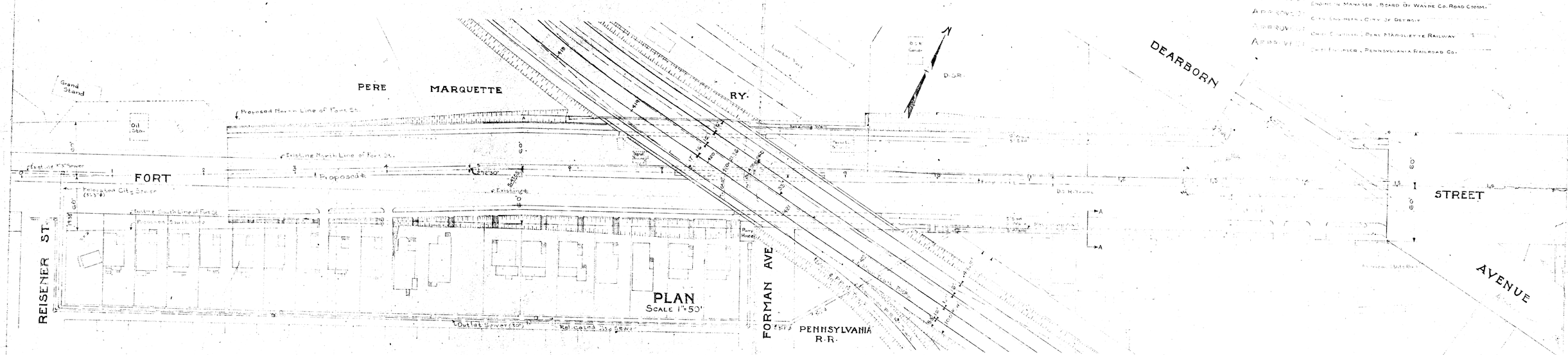
"EXHIBIT A"

APPROVED: ENGINEER MANAGER, BOARD OF WAYNE CO. ROAD COMM'S.

APPROVED: CITY ENGINEER, CITY OF DETROIT

APPROVED: CHIEF ENGINEER, PERE MARQUETTE RAILWAY

APPROVED: CHIEF ENGINEER, PENNSYLVANIA RAILROAD CO.



REVISIONS

BOARD OF
WAYNE COUNTY ROAD COMMISSIONERS
DETROIT, MICH.
EDWARD N. HINES, CHAIRMAN
JOHN S. HAGGERTY, COMMISSIONER
WILLIAM F. BUTLER, COMMISSIONER

GENERAL PLAN
FORT STREET - MILE
P.M.Ry.-P.R.R.-- GRADE SEPARATION X-1 of 82-22-2

DRAWN BY: E.T. CHECKED BY: F.R.C.
DATE: 1/27/31 SCALES AS SHOWN CORRECT: CHIEF ENGR.

APPROVED: ASSISTANT ENGINEER: DESIGNING ENG'S.
ASSISTED: ENGINEER MANAGER: REGISTERED ENG'S.

ISSUED: 1
DATE: 5-11-31

SHEET No. P-5