

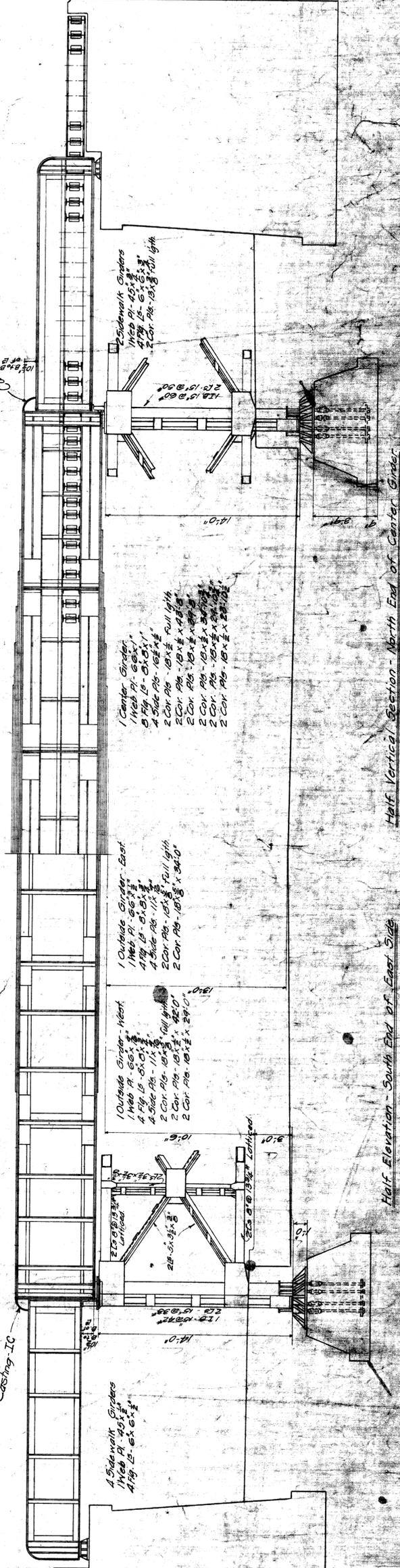
Marking Diagram for Beacing

Gen. Notes
 Material - Structural A.H. Steel Lbs
 Card 706
 Paint - 1 coat of pure linseed oil, parts
 inaccessible after erection 2
 coats of the following mixture -
 64 lbs of dry red lead, 12 1/2 lbs of
 granitic paste and 3/4 gals of raw
 linseed oil without dryer

M.C.R.R. Bay City Div
 Bridge 2nd M. Grand Blvd., Detroit, Mich.
 General Diagram
 Scale 3/4" = 1'-0"

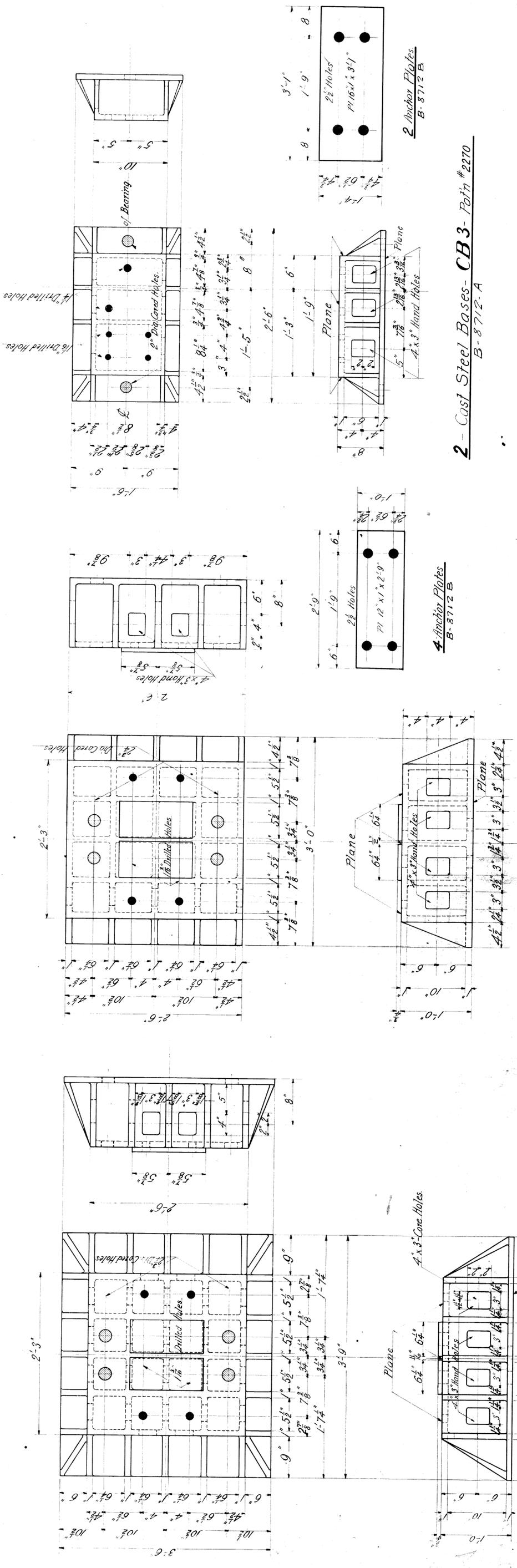
AMERICAN BRIDGE COMPANY
 ORDER ASSIGNED TO
 WORK FABRICATED AT
 MADE BY
 DRAWN BY
 CHECKED BY
 DATE
 SHEET
 88712

NOTE -
 See Sh #19 for rivets that must be
 driven before girders are put in
 place



Half Vertical Section - North End of Center Girders

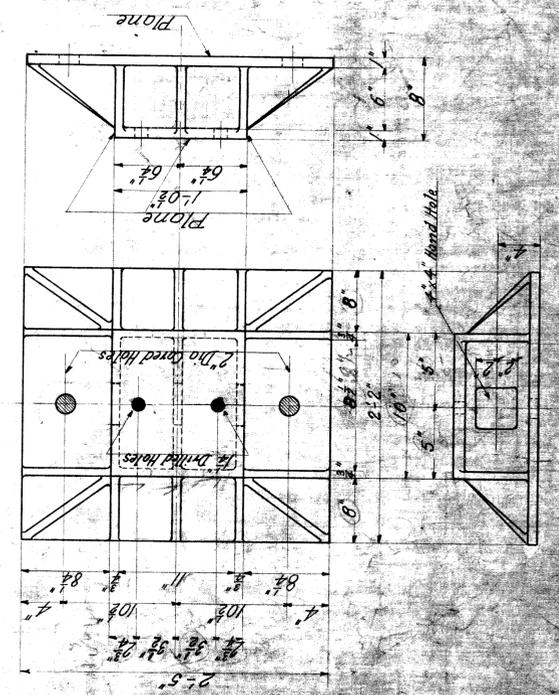
Half Elevation - South End of East Side



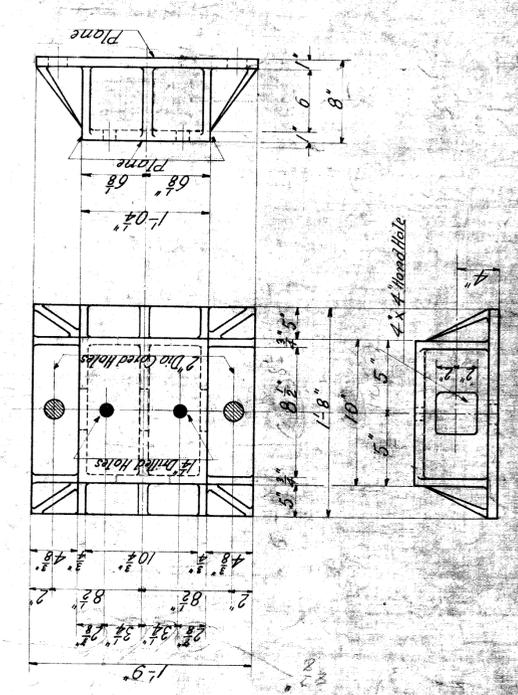
Note Similarity of Pairs betw. CB1&2

2 - Cast Steel Bases - CB1 - Pairn #2268
B-8712B

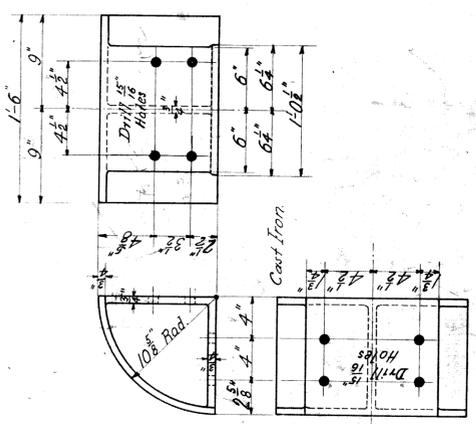
4 - Cast Steel Bases - CB2 - Pairn #2269
B-8712B



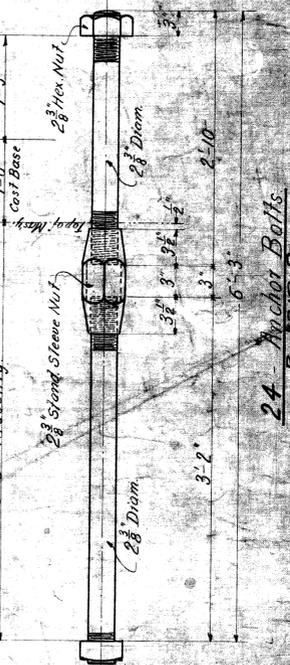
2 - Cast Steel Bases - CB4 - Pairn #2271
B-8712A



2 - Cast Steel Bases - CB5 - Pairn #2272
B-8712A



6 - Iron Castings - IC - Pairn #2273
B-8712A



24 - Anchor Bolts
B-8712A

2 - Cast Steel Bases - CB3 - Pairn #2270
B-8712-A

4 - Anchor Plates
B-8712B

2 - Anchor Plates
B-8712B

Sheet Lead
 B8712A { 2 - Pieces - 19" x 8" - 2'-7" long for CB3
 2 - " - 27" x 8" - 2'-6" " " CB4
 2 - " - 21" x 8" - 1'-10" " " CB5
 B8712B { 2 - Pieces - 43" x 8" - 3'-10" long for CB1
 4 - " - 31" x 8" - 3'-1" " " CB2

NOTES

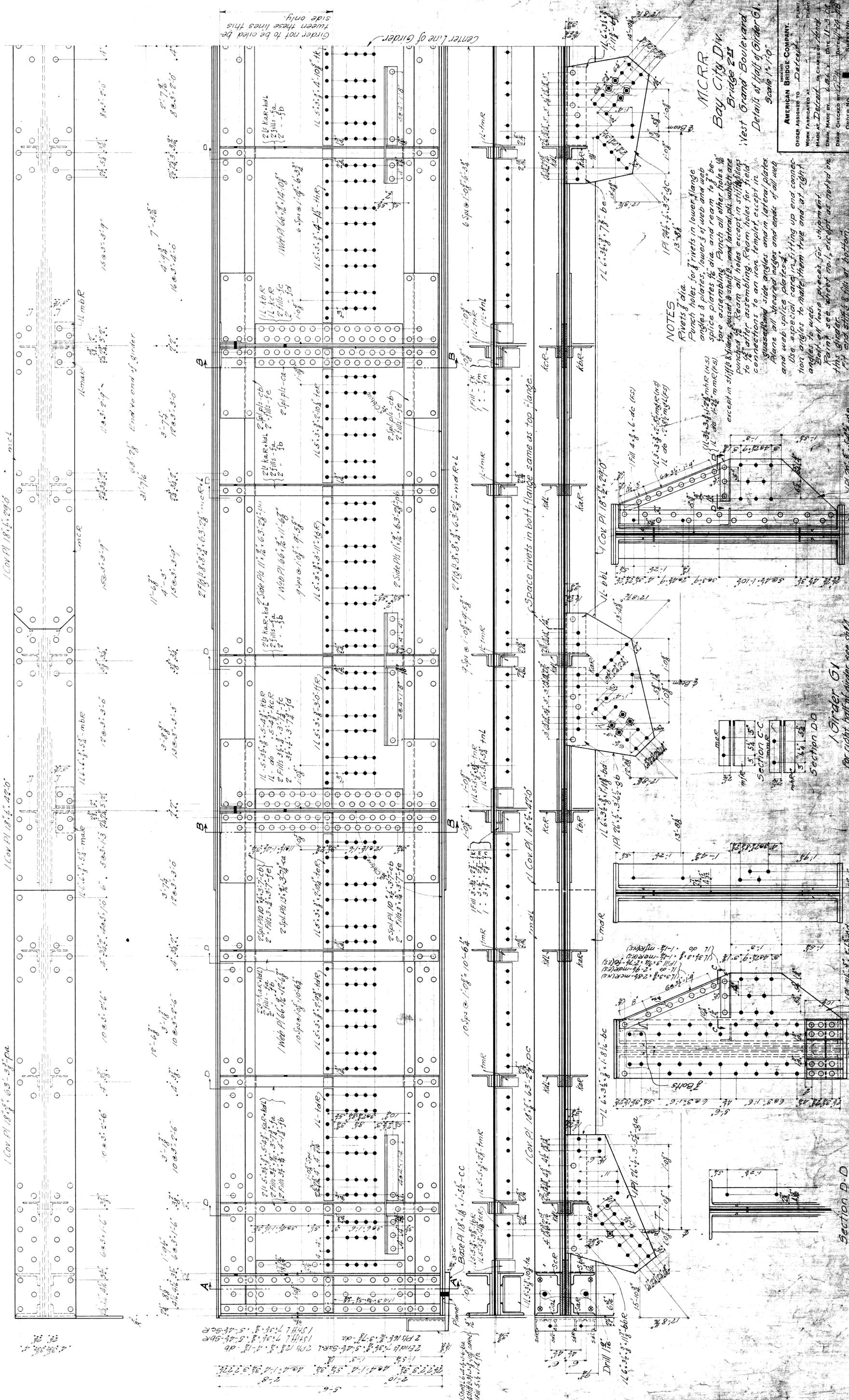
Steel Castings to be annealed.
 Inspection by M.C.R.R. Co.
 Paint: 1-coat of pure Linseed Oil except on CB1 & CB2
 Specifications: M.C.R.R. Cos. 1904

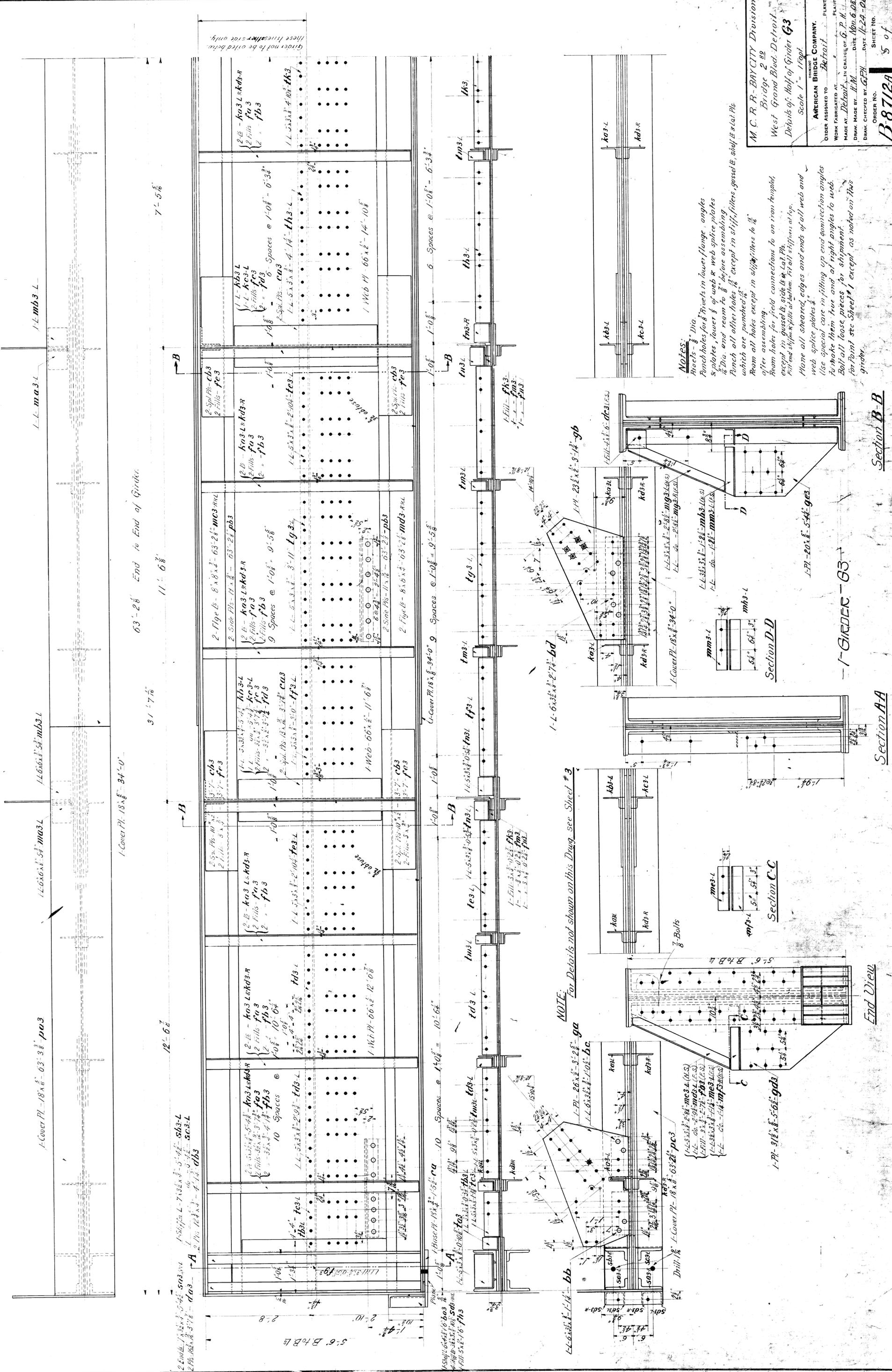
M.C.R.R. - Bay City Division
 Bridge 2nd West Grand Blvd, Detroit

CASTINGS
 Scale: 1/2" = 1' Foot

AMERICAN BRIDGE COMPANY
 ORDER ASSIGNED TO: Detroit
 WORK FABRICATED BY: Detroit
 MADE BY: Detroit IN CHARGE OF: G.P.H.
 DRAWN BY: H.M. DATE: Oct 28 08
 DRAWN CHECKED BY: L.B.L. DATE: 10-29-17

ORDER NO. **B-8712A** SHEET NO. **2** of **2**





63'-2 1/2" End to End of Girder.

11'-6 1/8"

31'-7 1/2"

1-Cover Pl. 18x8'-34'-0"

12'-6 1/2"

2-Ends 1/2"x3/8"x5'-4 1/2" sbs-l
 2-Pls 1/2"x3/8"x3'-7 1/2" d03
 2-Pls 1/2"x3/8"x4'-14" db3

1-50# L-7x3x3/8x5'-4 1/2" sbs-l
 1-50# L-7x3x3/8x3'-7 1/2" sbs-l
 1-50# L-7x3x3/8x4'-14" db3

2-Pls 1/2"x3/8"x5'-4 1/2" sbs-l
 2-Pls 1/2"x3/8"x3'-7 1/2" d03
 2-Pls 1/2"x3/8"x4'-14" db3

10 Spaces @ 1'-0 1/8" = 10'-0 1/8"

1-Web 60x8'-12'-0 1/8"

1-Web 60x8'-11'-6 1/8"

1-Web 60x8'-10'-6 1/8"

1-Web 60x8'-9'-5 1/8"

1-Web 60x8'-8'-4 1/8"

1-Web 60x8'-7'-3 1/8"

1-Web 60x8'-6'-2 1/8"

1-Web 60x8'-5'-1 1/8"

1-Web 60x8'-4'-0 1/8"

1-Web 60x8'-3'-0 1/8"

1-Web 60x8'-2'-0 1/8"

1-Web 60x8'-1'-0 1/8"

1-Web 60x8'-0'-0 1/8"

1-Web 60x8'-0'-0 1/8"

1-Web 60x8'-0'-0 1/8"

1-Web 60x8'-0'-0 1/8"

1-Web 60x8'-0'-0 1/8"

1-Web 60x8'-0'-0 1/8"

1-Web 60x8'-0'-0 1/8"

1-Web 60x8'-0'-0 1/8"

1-Web 60x8'-0'-0 1/8"

NOTE:
 For Details not shown on this Draw, see Sheet # 3

NOTES:
 Rivets 8" Dia
 Punch holes for 8" rivets in lower flange, angles
 & plates, lower 3/4" of web & web splice plates
 1/2" Dia, and room to 8" before assembling.
 Punch all other holes 1/8" except in stiffeners, gusset & shelf
 & z-ls Pls
 Room all holes except in stiffeners to 1/8"
 after assembling.
 Room holes for field connections to an iron template,
 except in gusset & z-ls Pls
 Fill end stiffeners & z-ls at bottom. Fit all stiffeners at top.
 Have all sheared edges and ends of all web and
 web splice plates 1/4"
 Use special care in fitting up end connection angles
 to make them true and at right angles to web.
 Bolt all loose pieces for shipment.
 For Paint see Sheet # 1 except as noted on this
 girder.

M. C. R. R. - BAY CITY DIVISION
 Bridge 2 82
 West Grand Blvd., Detroit
 Details of: Half of Girder **G3**
 Scale 1" = 1'-0"

AMERICAN BRIDGE COMPANY.
 ORDER ASSIGNED TO *Detroit*
 WORK FABRICATED AT *Detroit*
 MADE AT *Detroit* IN CHARGE OF G. P. H.
 DRAWN BY *H.M.* DATE *10-24-08*
 DRAWN CHECKED BY *G.P.H.* DATE *11-24-08*

ORDER NO. **B8712A** SHEET NO. **5** of **5**

End View

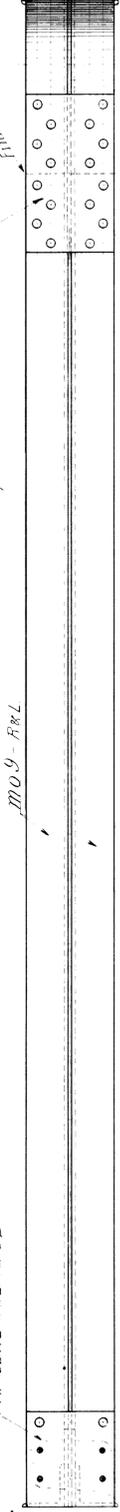
Section AA

Section B-B

Section C-C

Section D-D

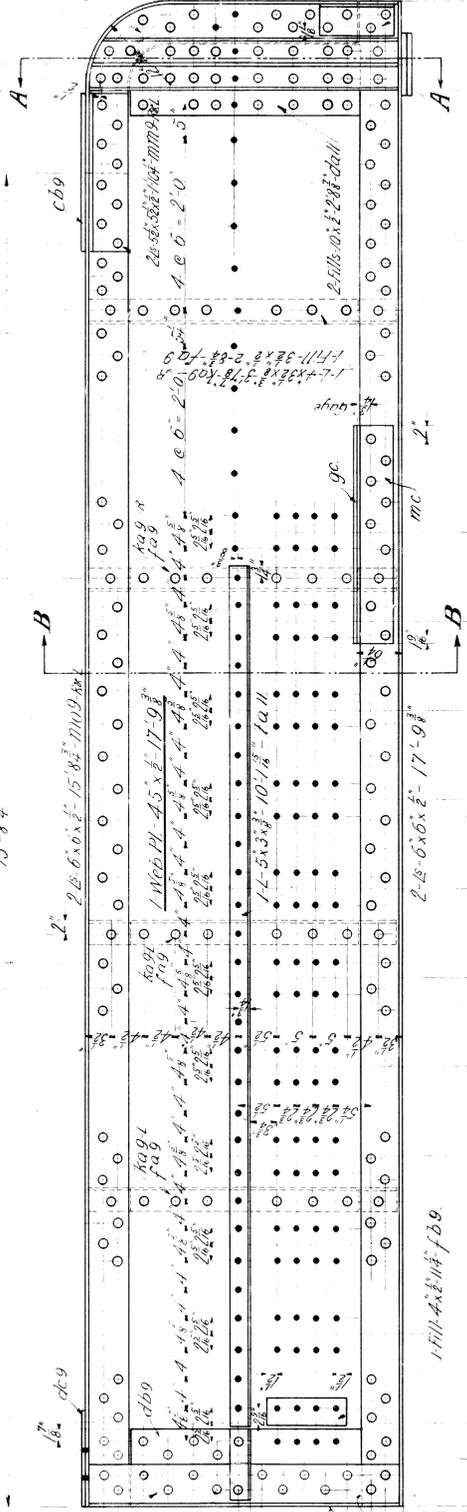
1-11-102x2-112-dc9



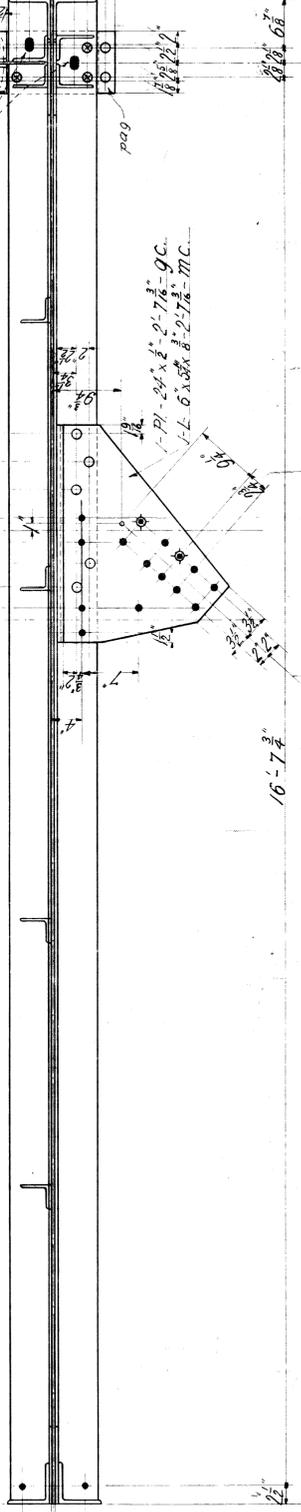
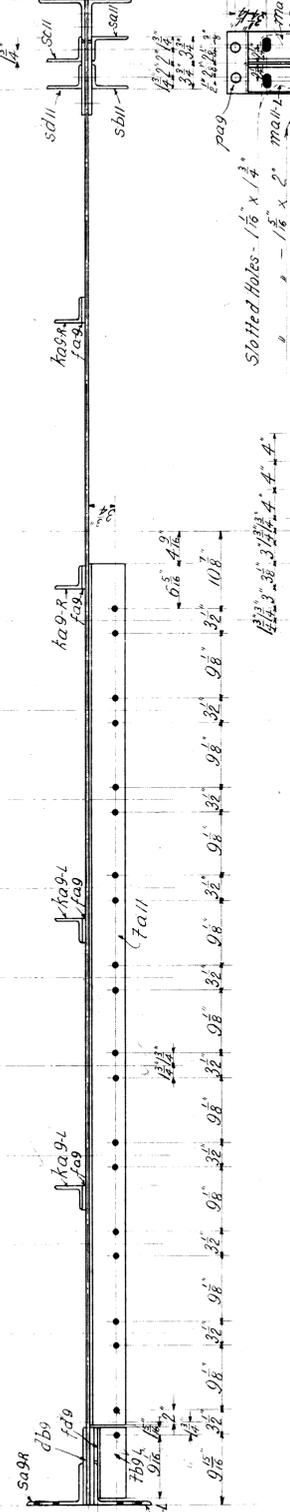
13'-11"

17'-9 3/8" B to B of B

17'-7 7/8" C to C of Bearing

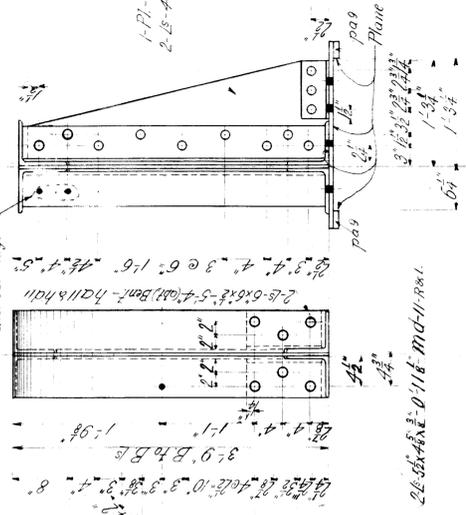


Section BB



16'-7 3/4"

Section A-A



NOTES:

- Rivets = 3/4" Dia - Open Holes - 3/8" Dia except as noted in Base of
- Punch holes 1/8" for rivets in lower flange and lower of
- of web & room to 1/8" dia. before assembling.
- Punch other holes 1/8" except in stiffeners and fillets,
- which may be punched 1/16" if general fillets
- Ream all holes for rivets to 1/16" after assembling.
- Ream all holes for field connections to an iron
- Template except Lateral Plates, shelf & transverse
- Plane ends & edges of web fillet
- Fill all stiffeners at top
- Fit end stiffeners & fillets at bottom.
- Fit all stiffeners at top
- for Point see sheet #1 except as noted on this
- girder.

- 1-Base Pl-24x4x2-22-C-11
- 2-Guide bars-24x4x2-0-9-pa9

M. C. R. R. - Bay City Div.
 Bridge 289 - West Grand Blvd Dehoit
 Girder-G 7
 Scale 1" = 1 Foot

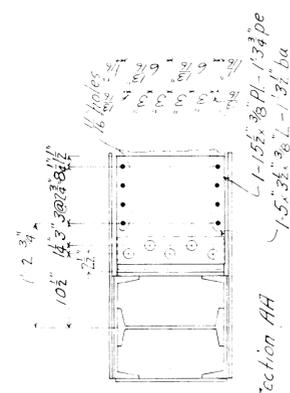
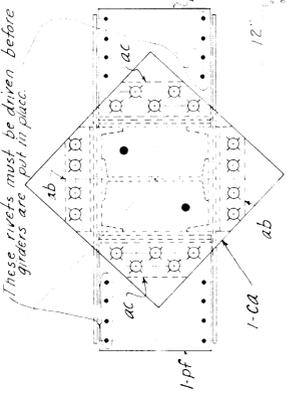
ORDER ASSIGNED TO
 AMERICAN BRIDGE COMPANY, DETROIT

WORK FABRICATED AT
 MADE AT DETROIT IN CHARGE OF G. P. H.

DRAWN BY H. M. DATE NOV. 3, 1911
 CHECKED BY G. P. H. SHEET NO. 12 OF 12

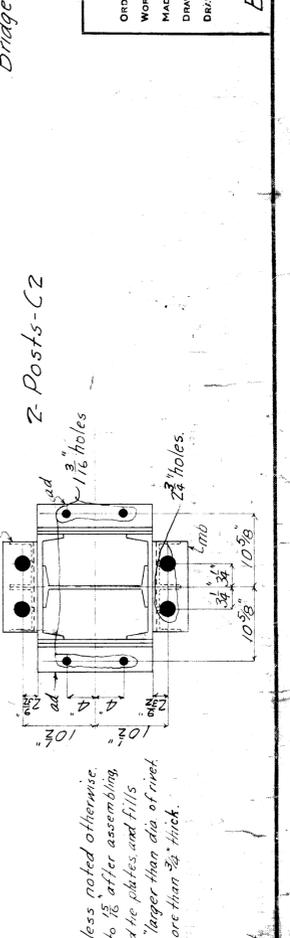
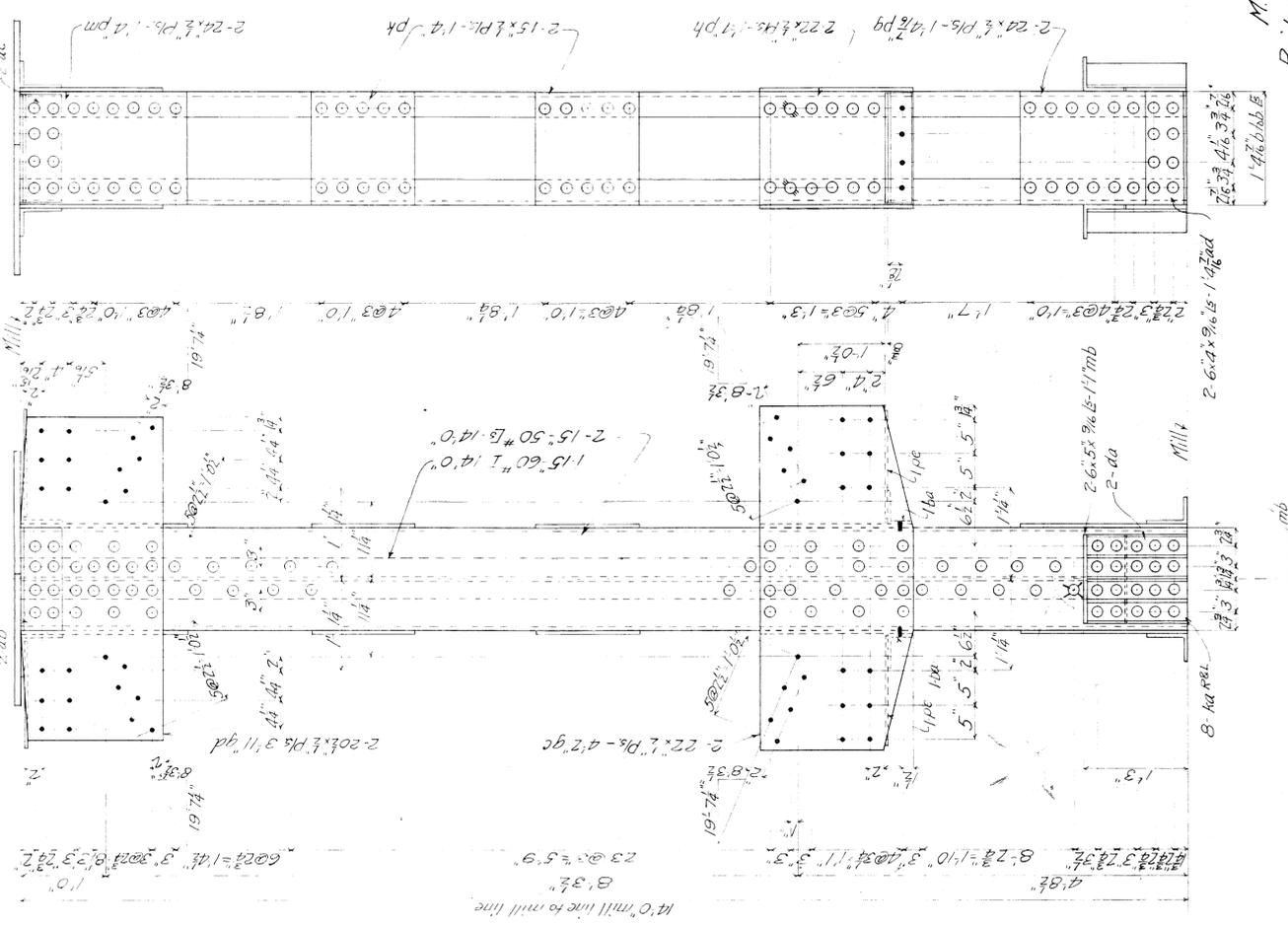
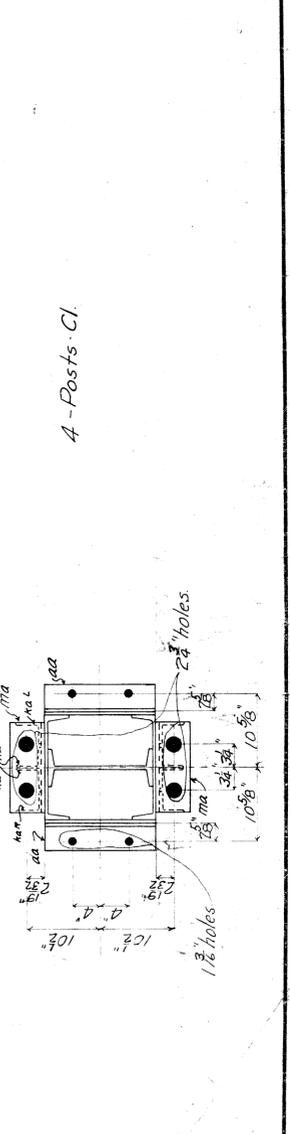
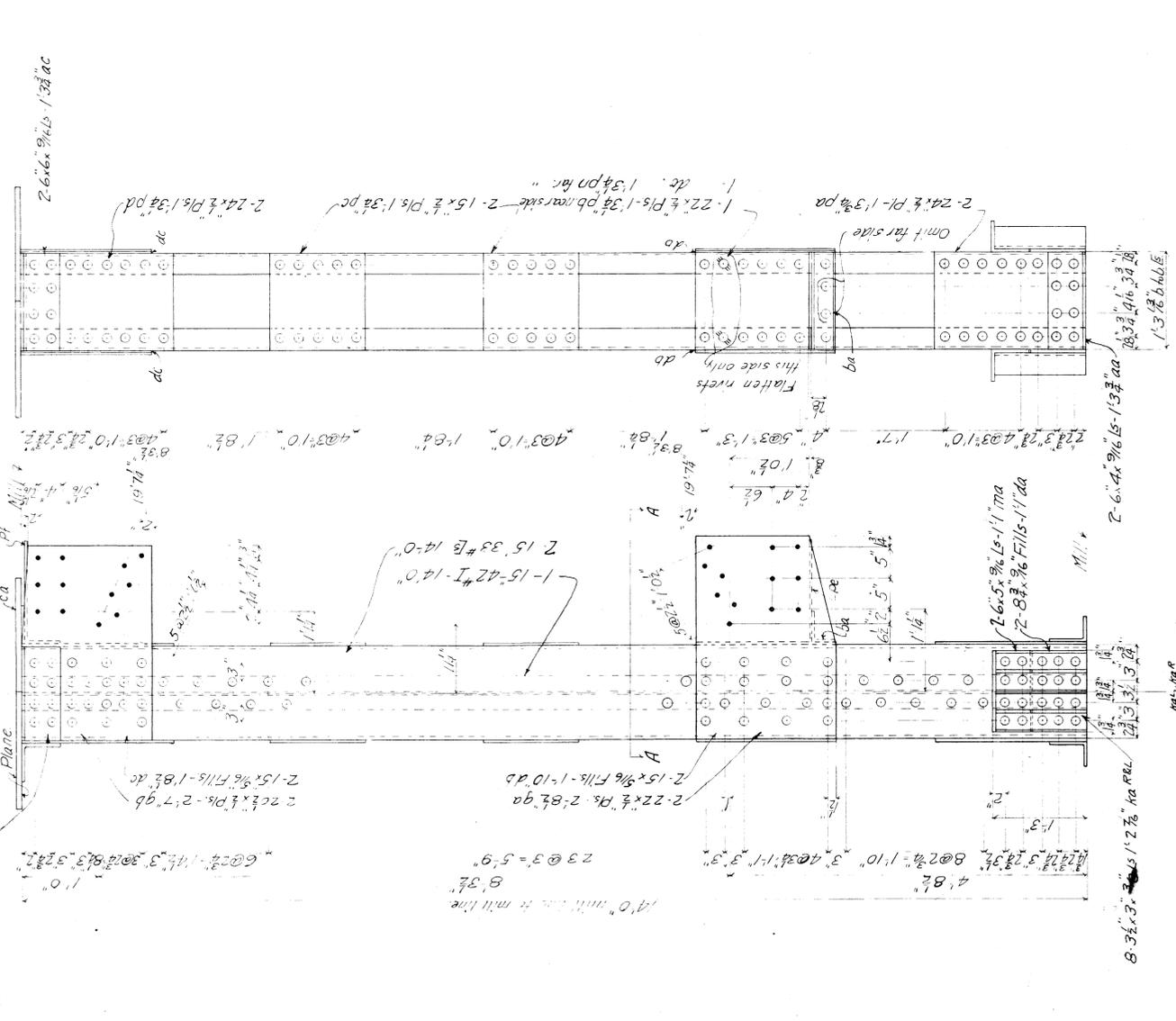
1 - Girder-G 7

Note similarity of templates to sheets #9 & 11



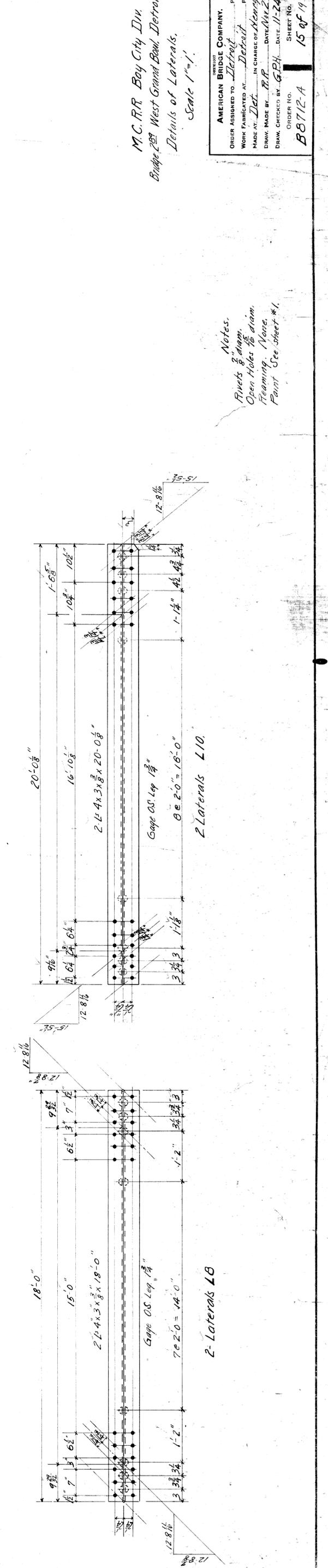
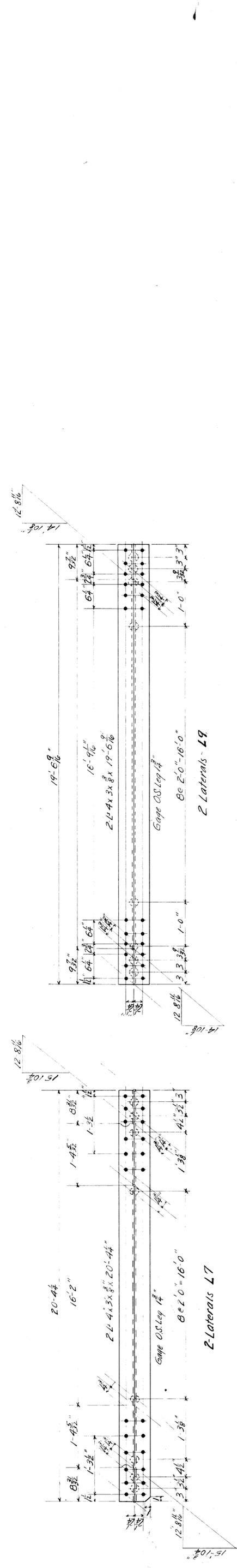
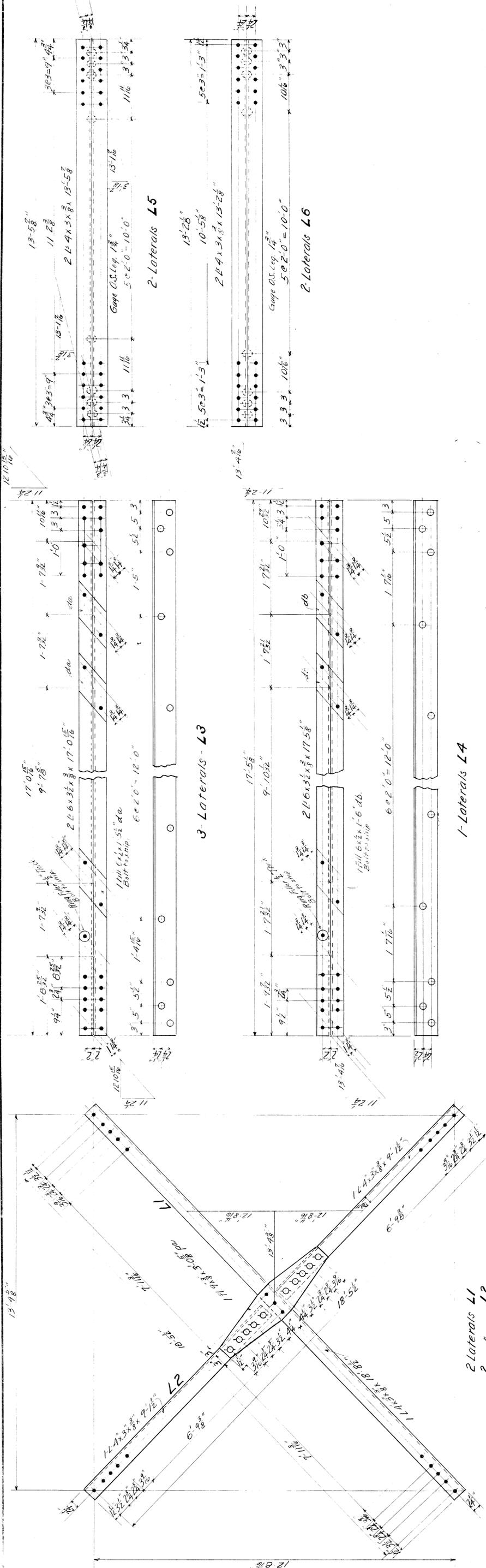
These rivets must be driven before girders are put in place.

These rivets must be driven before girder is put in place.



Notes: Rivets 7/8\". Holes 15/16\" unless noted otherwise. Punch holes 1/8\" and ream to 1/8\" after assembling, except in bracing plates and tie plates, and fills which may be punched to larger than dia of rivet. Drill holes in material more than 3/8\" thick.

Paint see sheet #1. Bolt loose parts for shop.



13'-5 1/2"
11 R2
2 L 4 x 3 x 3/8 x 13'-5 1/2"
13'-1 1/2"
11 1/2
3 3 3
5'-0 2'-0 = 10'-0"
2 Laterals L5

13'-2 1/2"
10'-5 1/2"
2 L 4 x 3 x 3/8 x 15'-2 1/2"
13'-4 1/2"
10 1/2
3 3 3
5'-0 2'-0 = 10'-0"
2 Laterals L7

17'-0 1/2"
9'-7 3/8"
2 L 4 x 3 x 3/8 x 17'-0 1/2"
17'-5 1/2"
9'-10 3/4"
2 L 4 x 3 x 3/8 x 17'-5 1/2"
17'-5 1/2"
9'-10 3/4"
6'-0 2'-0 = 12'-0"
3 Laterals L3

17'-5 1/2"
9'-10 3/4"
2 L 4 x 3 x 3/8 x 17'-5 1/2"
17'-5 1/2"
9'-10 3/4"
6'-0 2'-0 = 12'-0"
1 Lateral L4

19'-6 1/2"
16'-4 1/4"
2 L 4 x 3 x 3/8 x 19'-6 1/2"
19'-6 1/2"
16'-4 1/4"
16'-4 1/4"
2 Laterals L9

20'-0 1/2"
16'-10 1/8"
2 L 4 x 3 x 3/8 x 20'-0 1/2"
20'-0 1/2"
16'-10 1/8"
16'-10 1/8"
2 Lateral L10

13'-4 1/2"
17'-0 1/2"
9'-7 3/8"
2 L 4 x 3 x 3/8 x 13'-4 1/2"
13'-4 1/2"
17'-0 1/2"
9'-7 3/8"
2 L 4 x 3 x 3/8 x 17'-0 1/2"
2 Lateral L1

17'-0 1/2"
9'-7 3/8"
2 L 4 x 3 x 3/8 x 17'-0 1/2"
17'-0 1/2"
9'-7 3/8"
2 Lateral L2

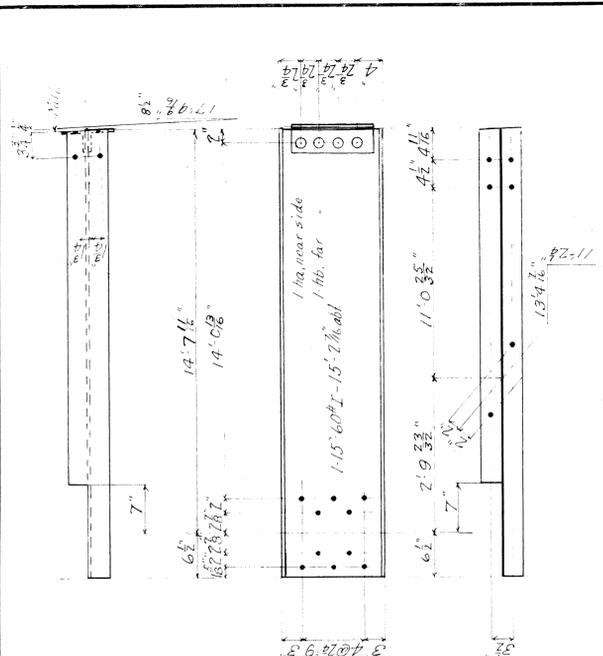
18'-0"
15'-0"
2 L 4 x 3 x 3/8 x 18'-0"
18'-0"
15'-0"
7'-0 2'-0 = 14'-0"
2 Lateral L8

19'-6 1/2"
16'-4 1/4"
2 L 4 x 3 x 3/8 x 19'-6 1/2"
19'-6 1/2"
16'-4 1/4"
16'-4 1/4"
2 Lateral L7

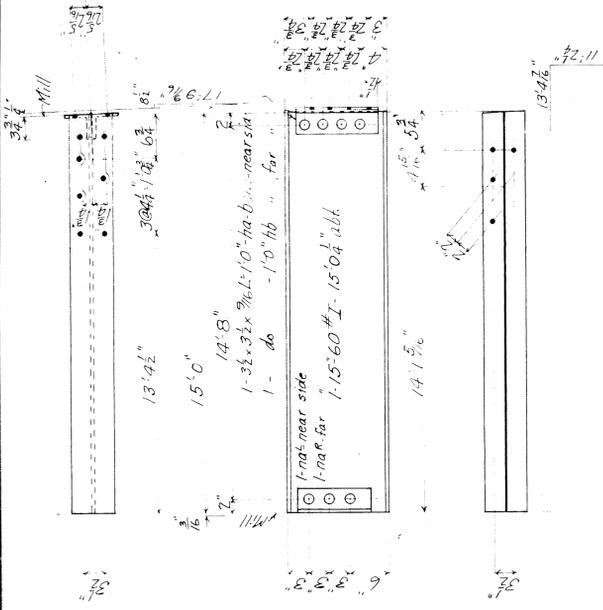
M.C.R.R. Bay City Div
Bridge 289 West Grand Blvd. Detroit.
Details of Laterals.
Scale 1"=1'

AMERICAN BRIDGE COMPANY.
ORDER ASSIGNED TO: Detroit
WORK FABRICATED AT: Detroit
MADE AT: Detroit
DRAWN BY: G.P.H.
DATE: 11-24-08
CHECKED BY: G.P.H.
SHEET NO. 15 of 19

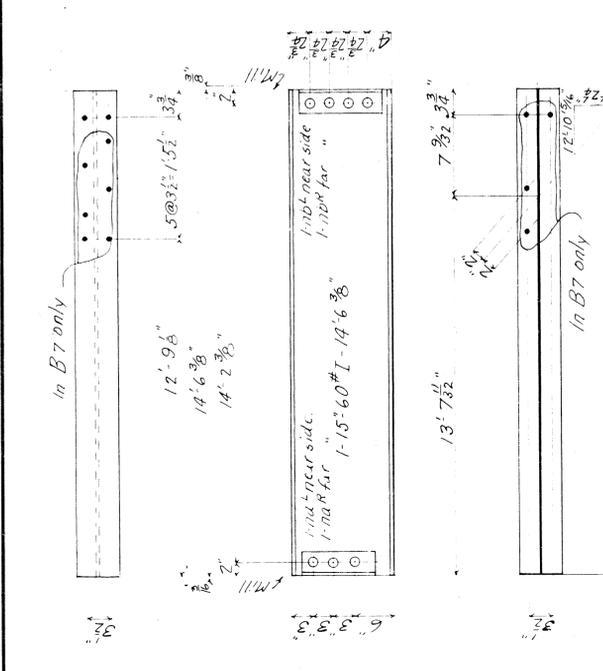
Notes:
Rivets 3" diam.
Open Holes 1/8" diam.
Flaming None.
Paint See sheet #1.



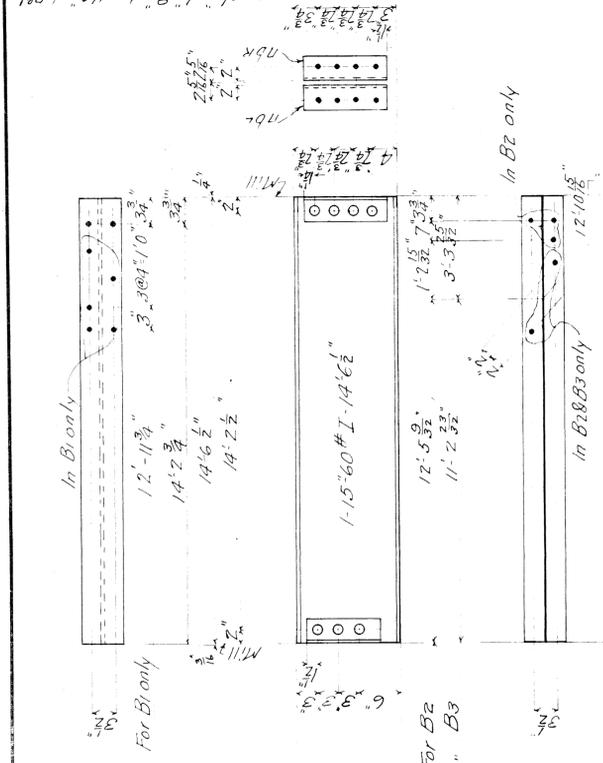
1-Beam-B22



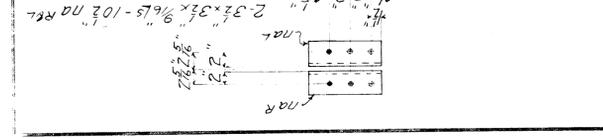
1-Beam-B13



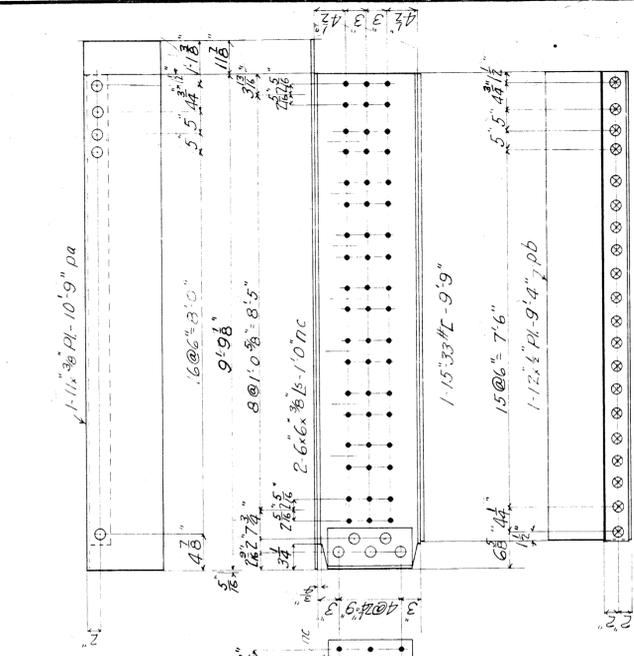
2-Beam-B7
10- " - B10



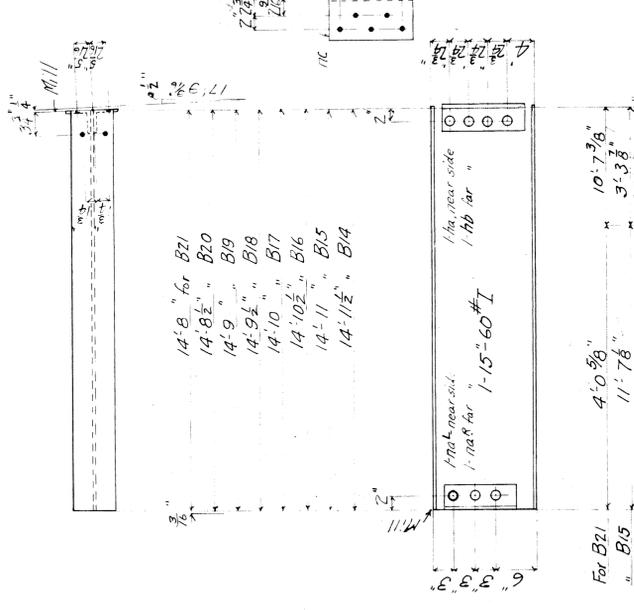
1-Beam-B2
1- " - B3
5- " - B4



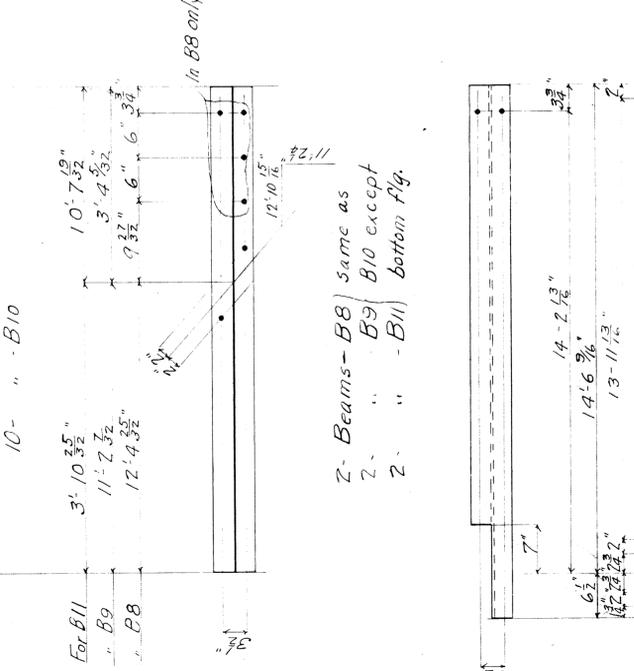
1-Beam-B1 - same as
B2 except bottom stop flanges.



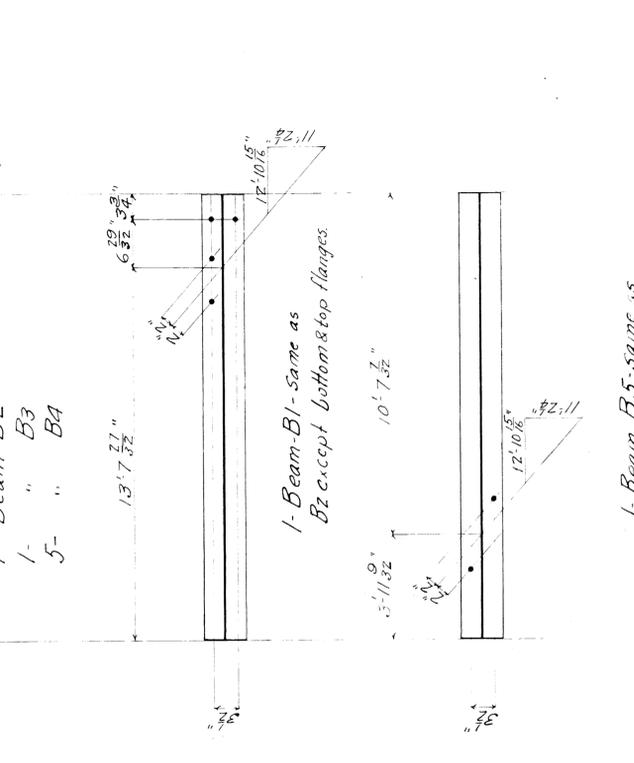
2-Beams-B23
Note similarity to B24, sheet #18



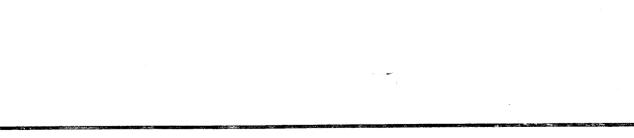
1-Beam-B14
1- " - B15
1- " - B16
1- " - B17
1- " - B18
1- " - B19
1- " - B20
1- " - B21



2-Beams-B8 same as
2- " - B9 B10 except
2- " - B11 bottom flg.



1-Beam-B5 same as
B2 except bottom flange.

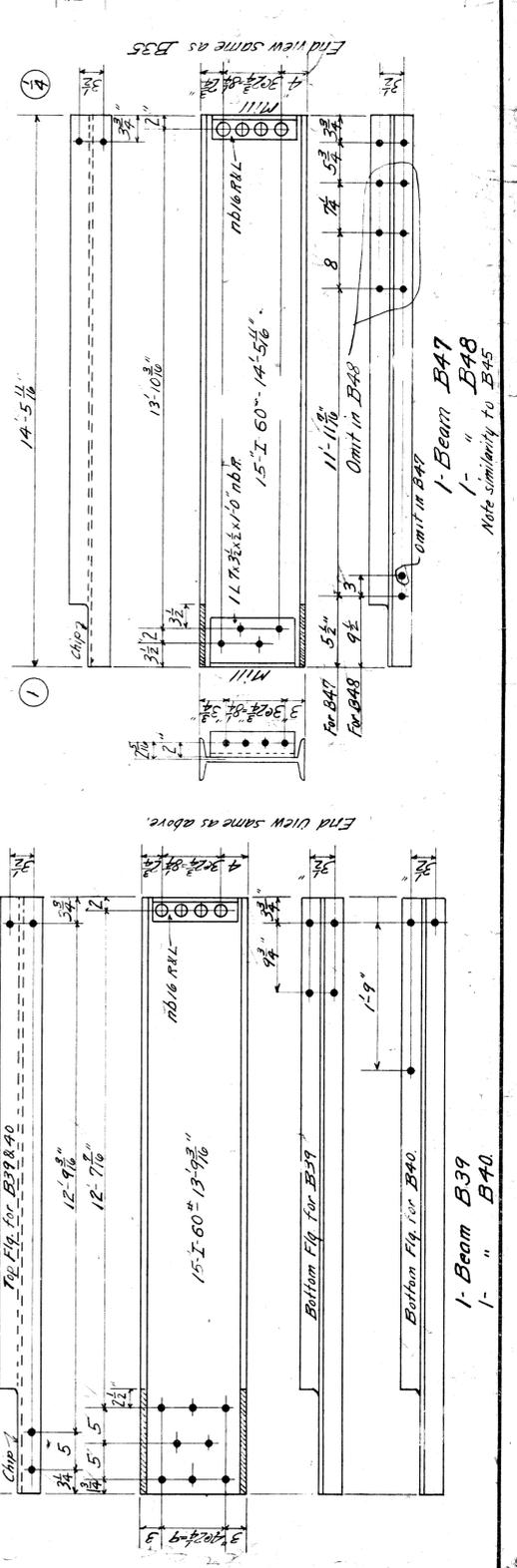
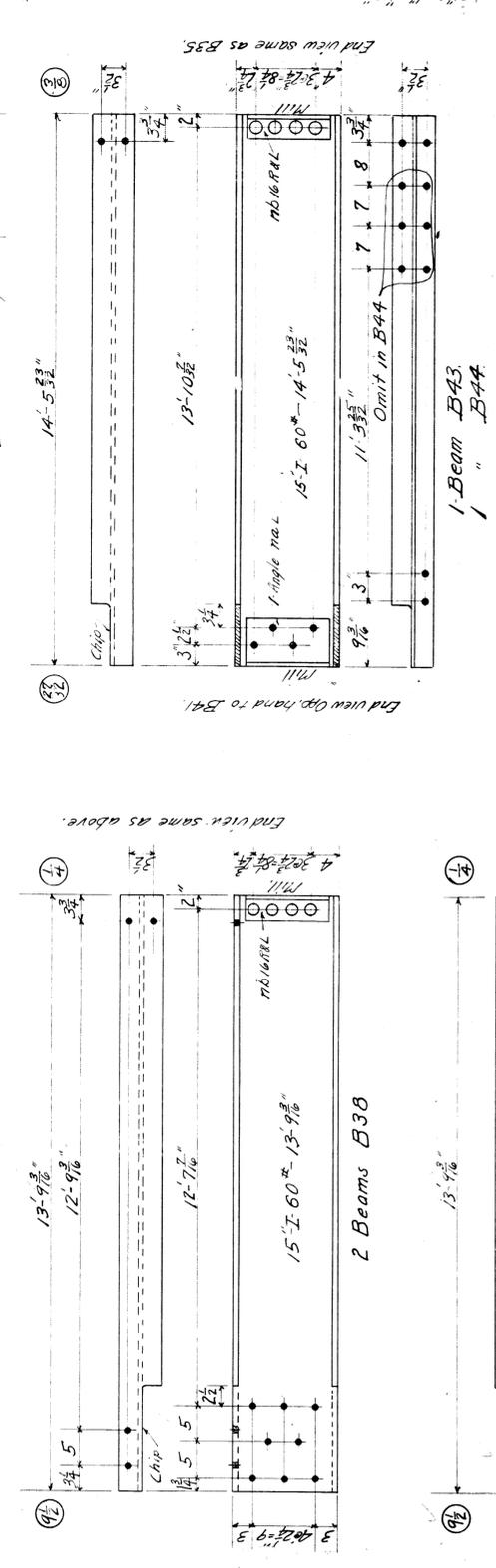
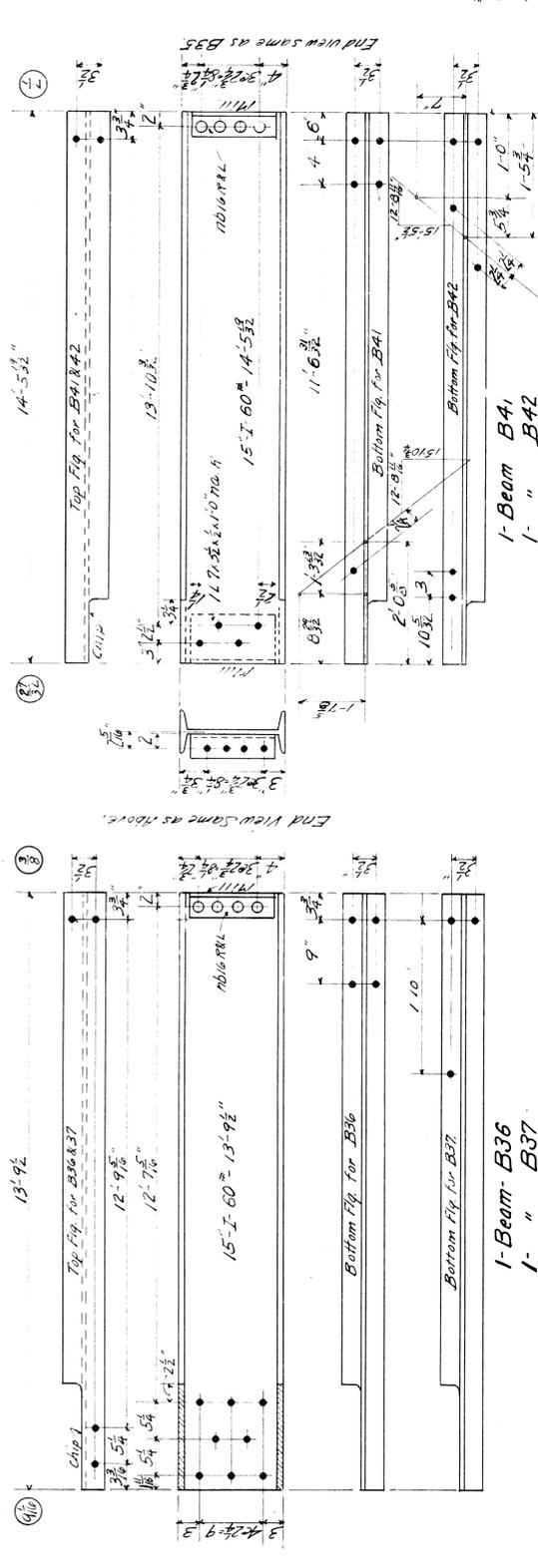
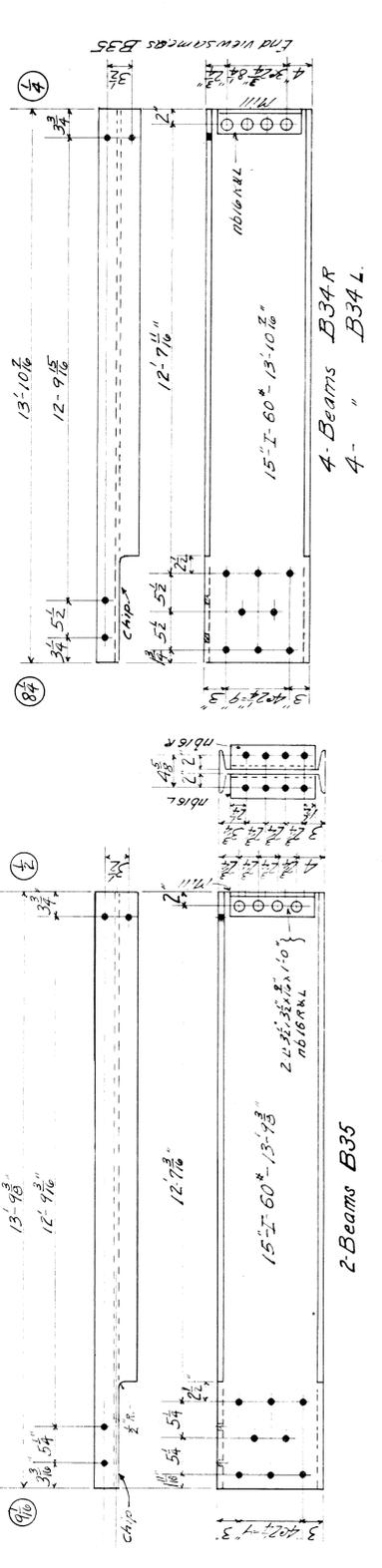
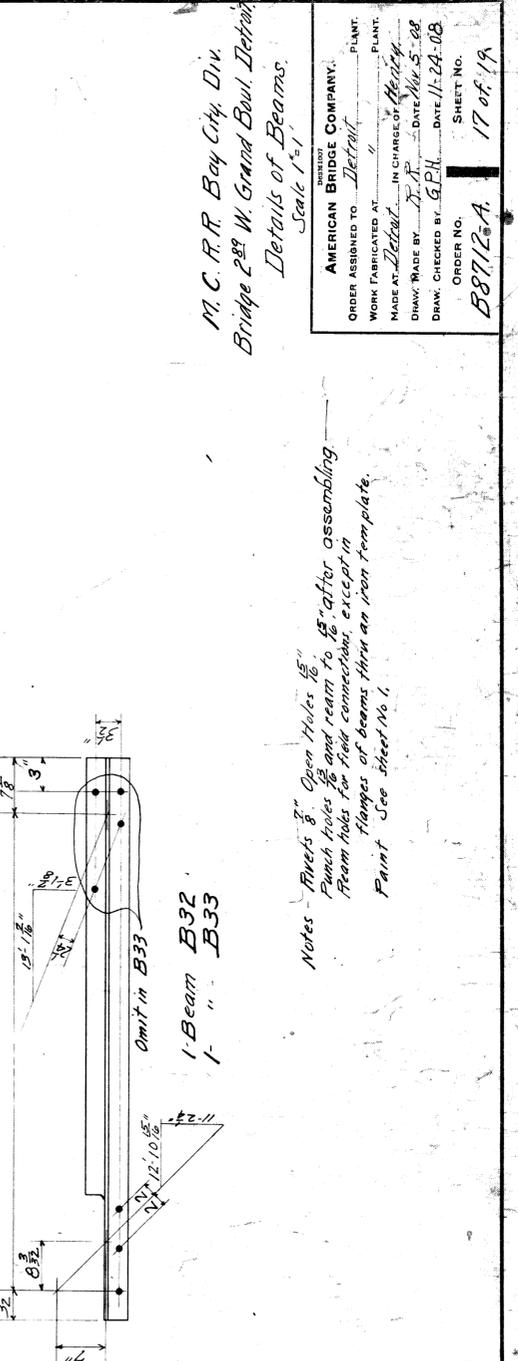
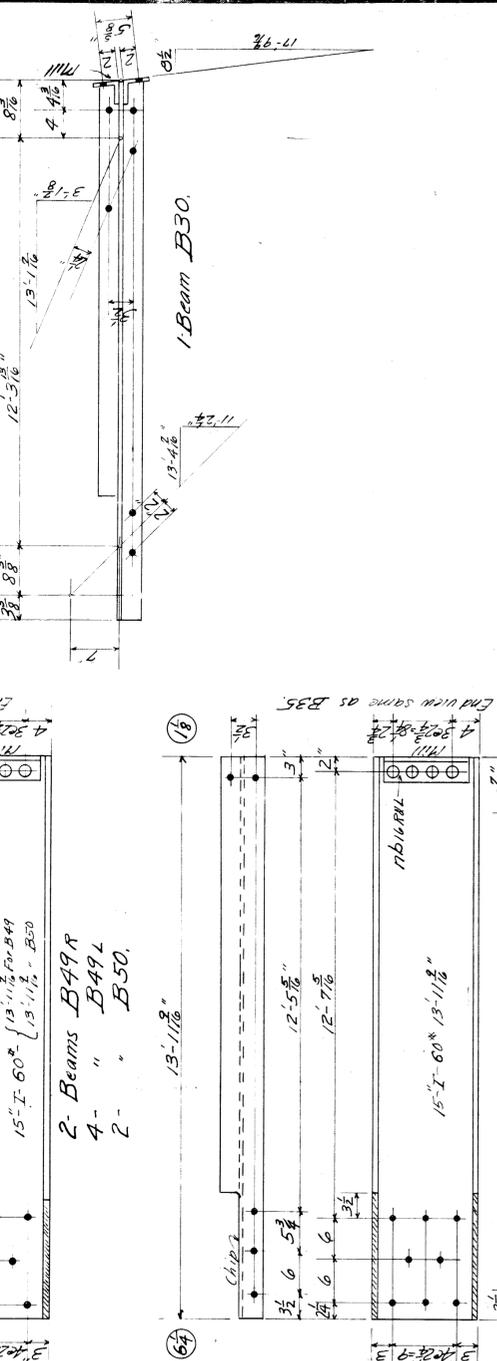
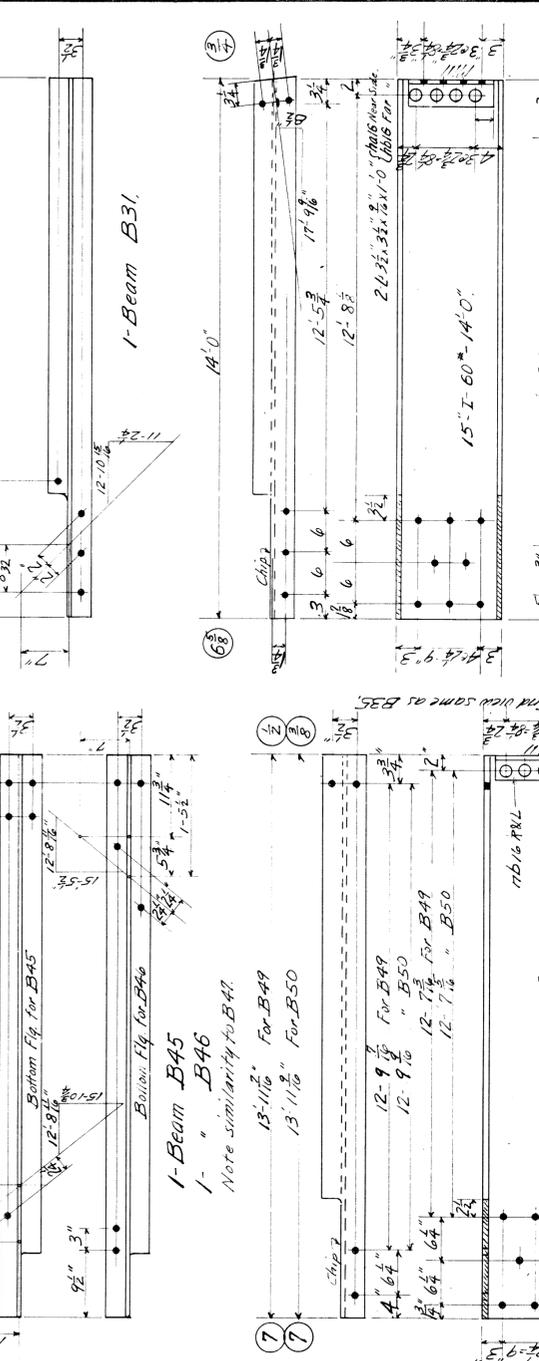
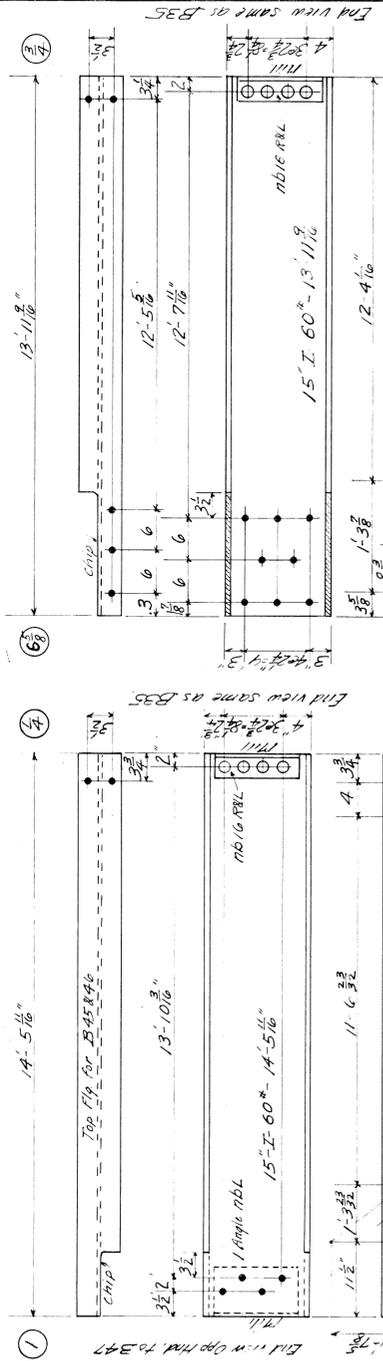
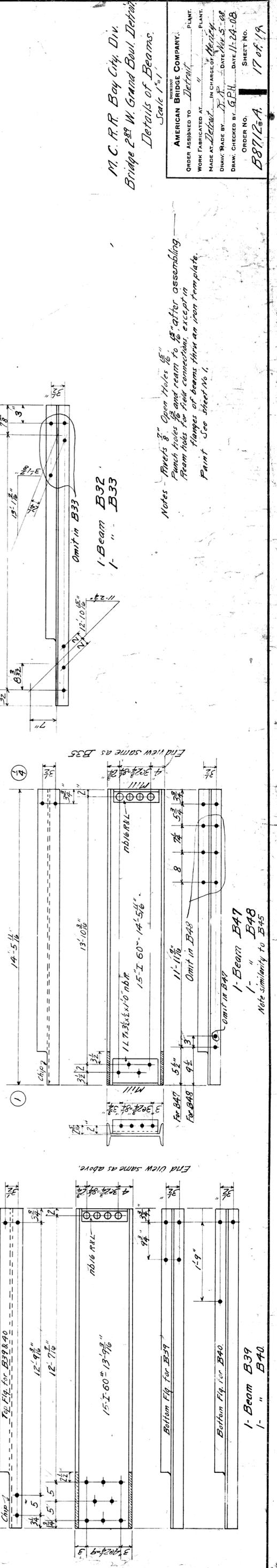
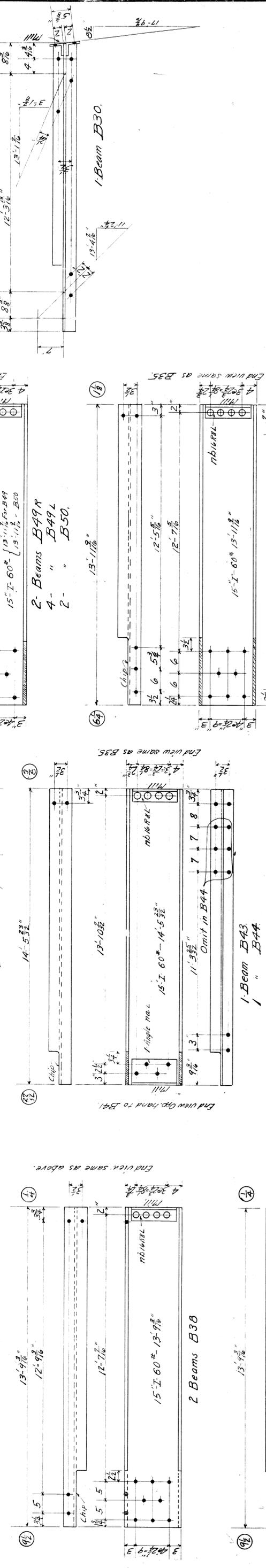
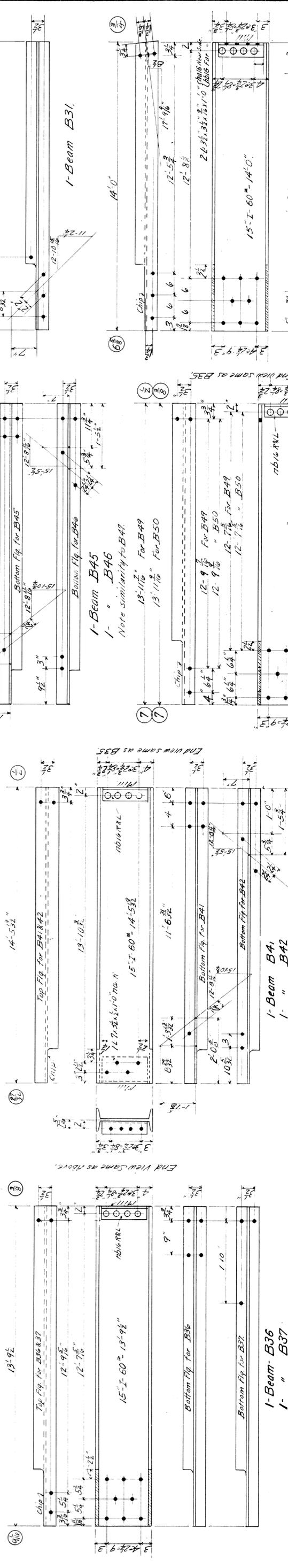
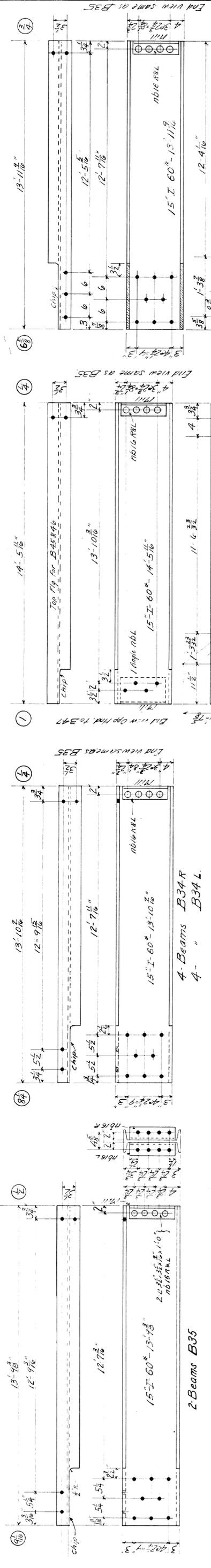


1-Beam-B6

Notes - Rivets 7/8" Open holes 1 1/2" after
Flange holes 1 1/2" andream to 1 1/2" after
assembling.
Beam holes for field connections, except
in flanges of beams, thru an iron template.
Paint - see sheet #1.

M.C.R.R. Bay City Div
Bridge 289 W. Grand Boul. Detroit, M
Details of Fl. Bms.
Scale 1"=1'-0"

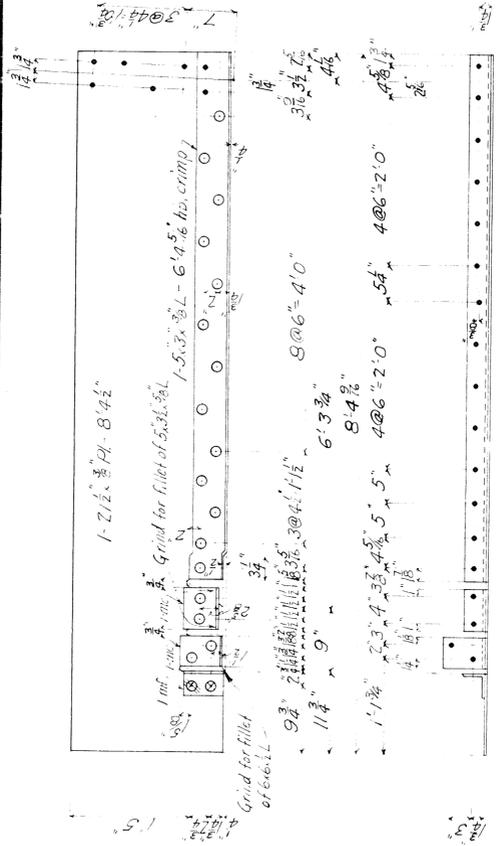
AMERICAN BRIDGE COMPANY.
ORDER ASSIGNED TO Detroit
WORK FABRICATED AT Detroit
MADE AT Detroit IN CHARGE OF Henry
UPON MADE BY Henry DATE 11-24-08
DRAWN BY G.P.H. CHECKED BY G.P.H. SHEET NO. 16 of 19
ORDER NO. B8712a



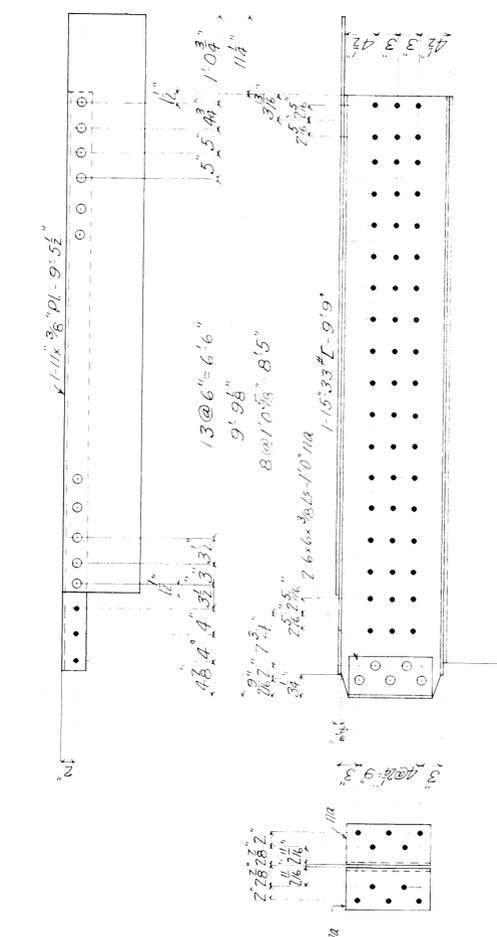
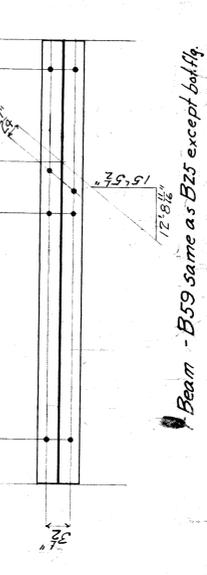
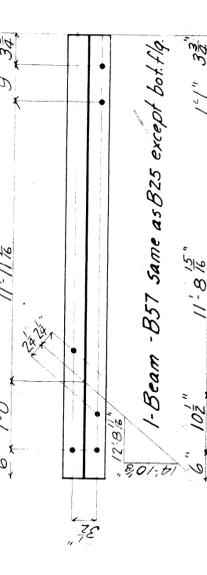
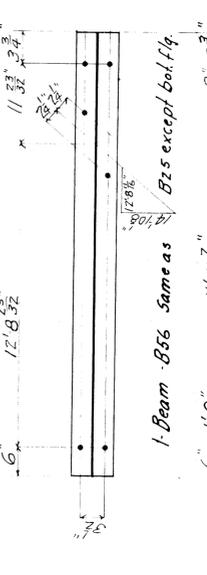
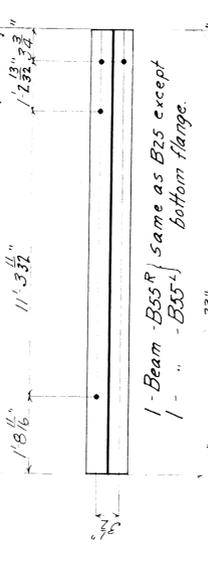
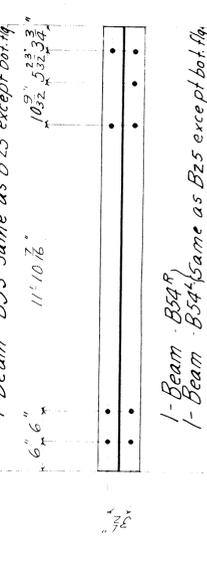
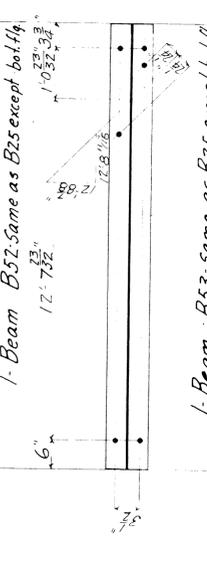
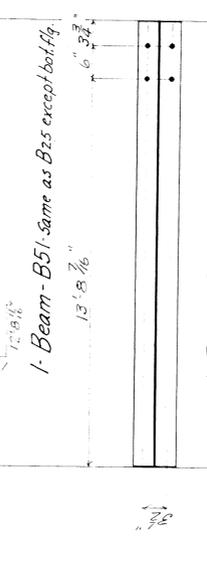
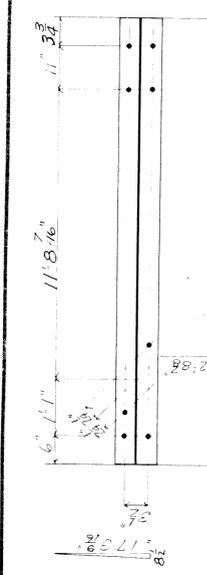
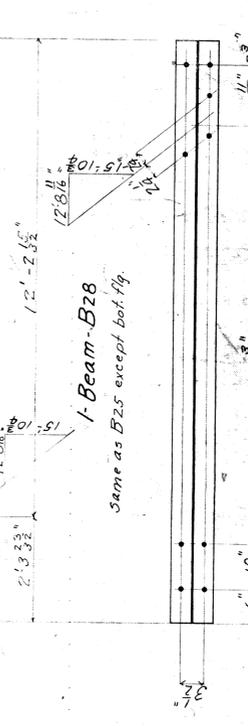
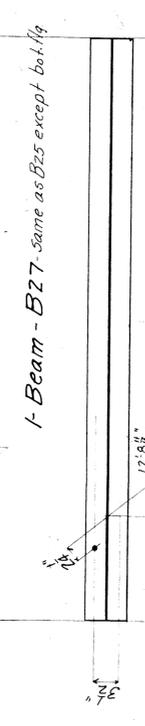
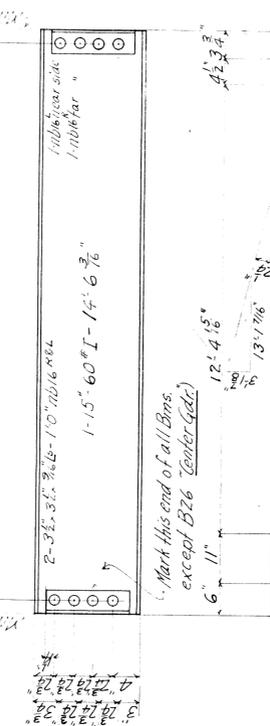
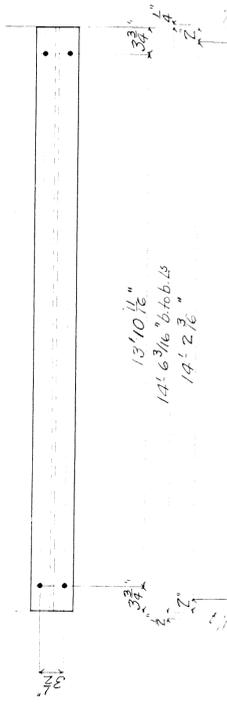
Notes: Rivets 3/8" Open Holes 1/8"
Punch holes 1/8" and ream to 1/8" after assembling
Beam holes for field connections, except in
flanges of beams thru an iron template
Paint See sheet No. 1

M. C. R. R. Bay City, Div.
Bridge 289 W. Grand Blvd. Detroit
Details of Beams
Scale 1" = 1'

AMERICAN BRIDGE COMPANY, PLANT
ORDER ASSIGNED TO Detroit
WORK FABRICATED AT
MADE AT Detroit IN CHARGE OF
DRAWN BY J. P. DATE May 5-28
DRAWN CHECKED BY G.P.H. DATE 11-24-08
ORDER NO. SHEET NO.
B8712A 17 of 19

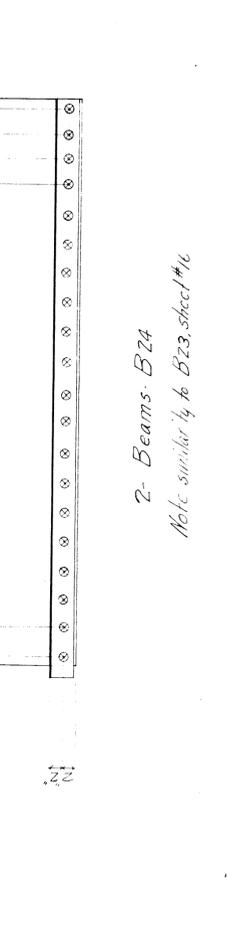


1- Apron Plate - BP3

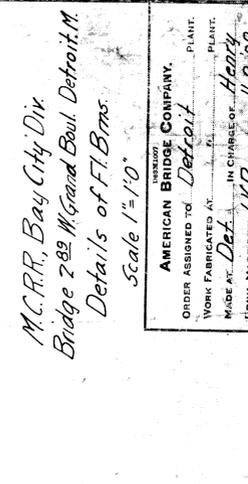
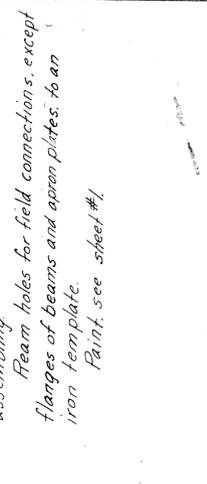
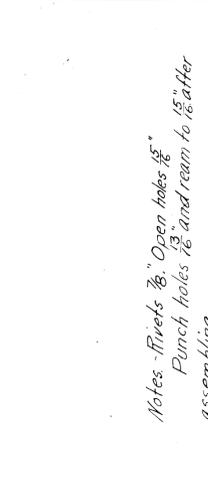
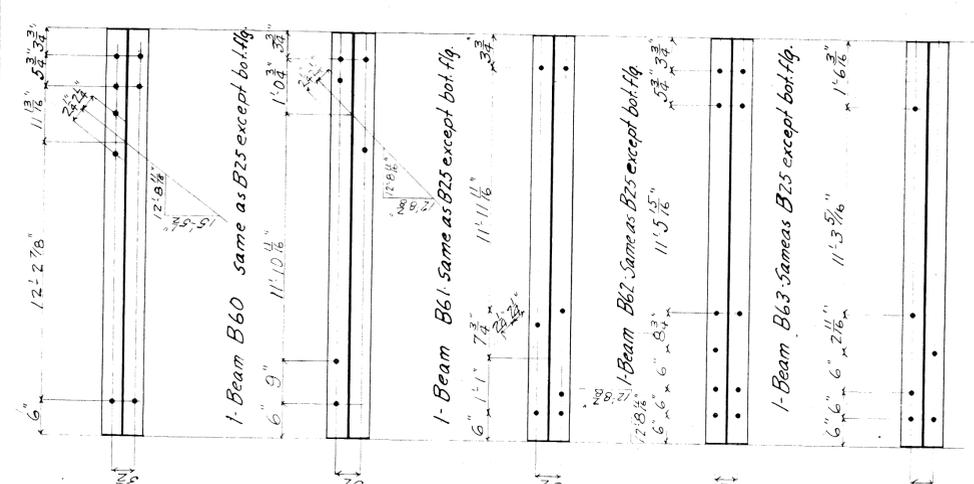
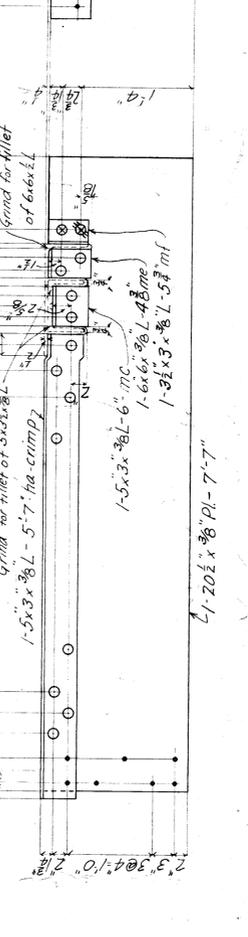
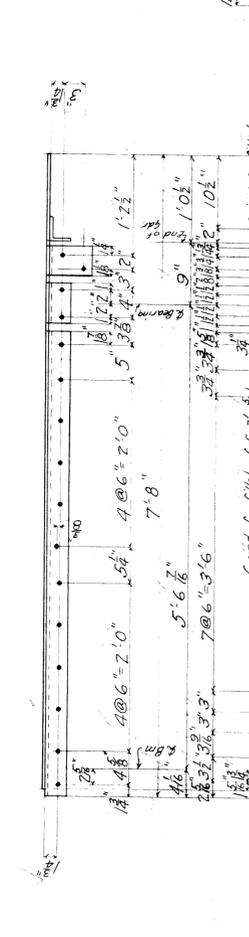


2- Beams - B24

Note similar to B23, sheet #16



2- Apron Plates - BPI



Notes: Rivets 7/8". Open holes 1 1/8"

Punch holes 1 3/8" and ream to 1 1/2" after assembling

Beam holes for field connections, except flanges of beams and apron plates, to an iron template.

Paint, see sheet #1.

M.C.R.R., Bay City Div

Bridge 289 Grand Blvd Detroit, M

Details of F.B.M.s

Scale 1" = 1' 0"

AMERICAN BRIDGE COMPANY, PLANT: Detroit

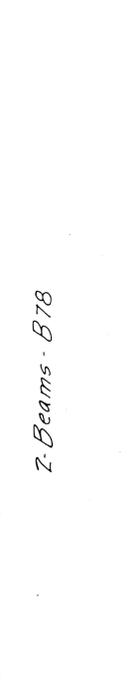
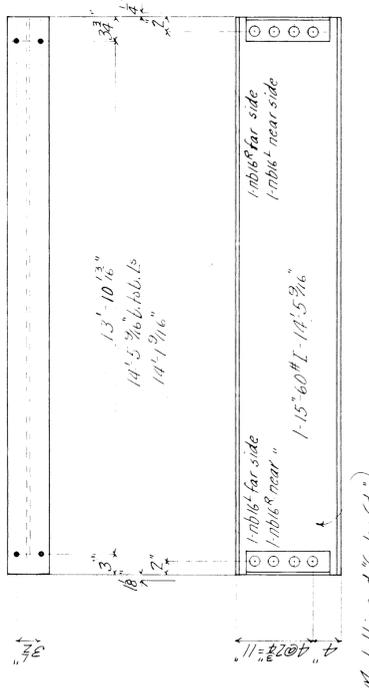
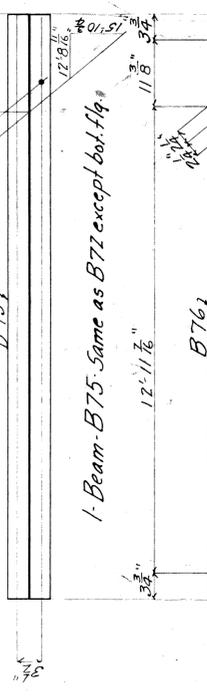
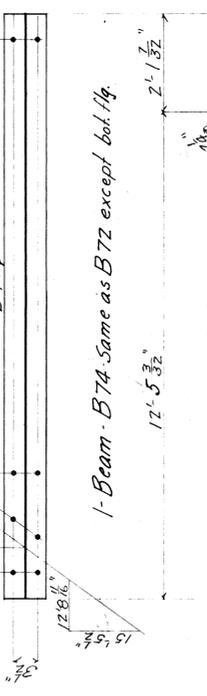
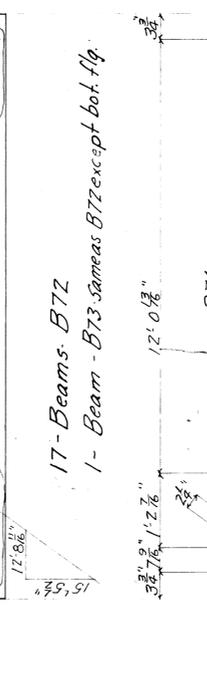
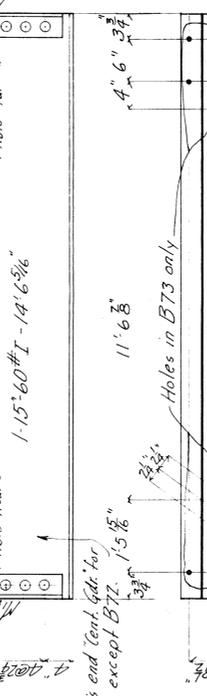
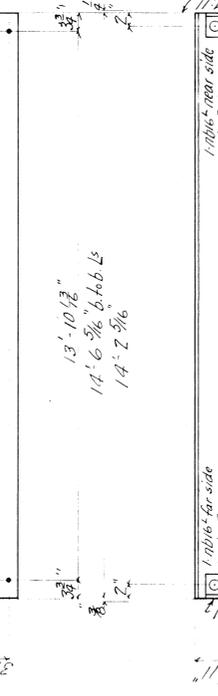
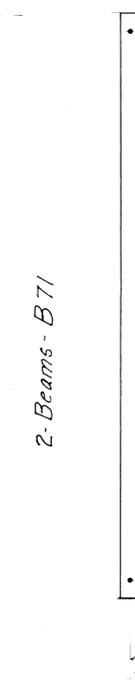
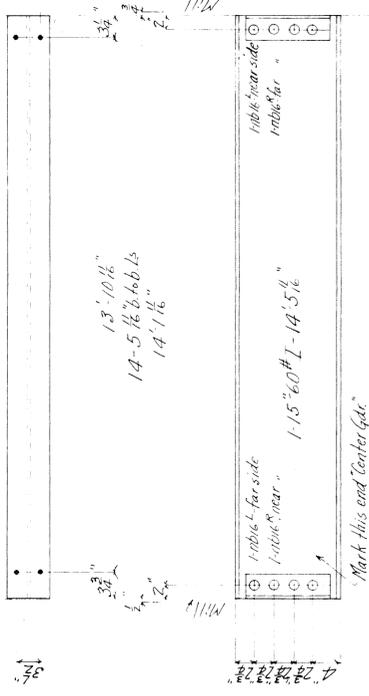
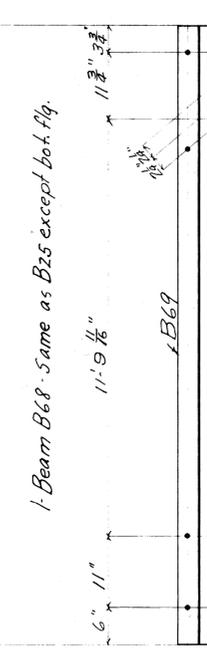
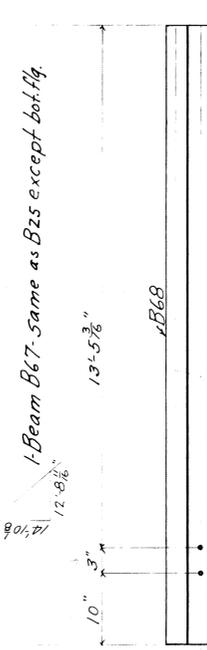
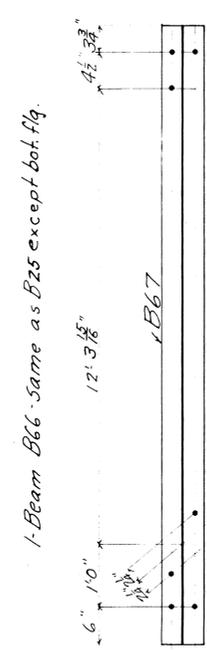
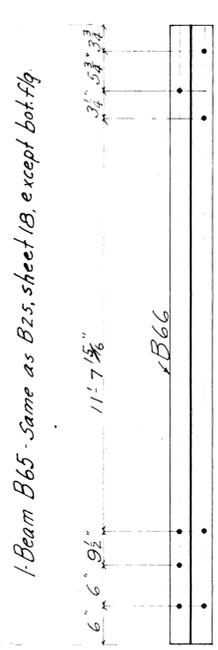
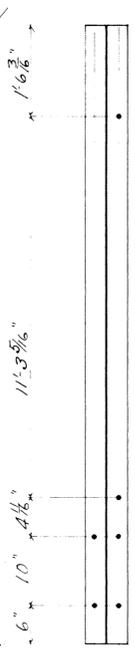
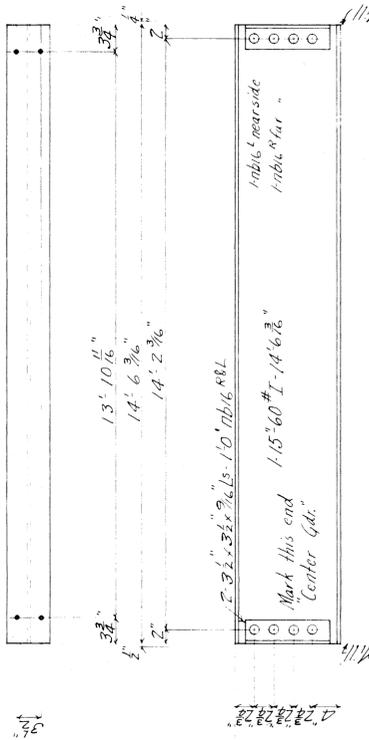
ORDER ASSIGNED TO: Detroit

MADE AT: Det. IN CHARGE OF: Henry

URM. MADE BY: J.K.P. DATE: 1/24-08

DRAWN, CHECKED BY: G.P.H. SHEET NO. 18 of 19

ORDER NO. B8712a



1-12x 3/4" PL - 9'4"

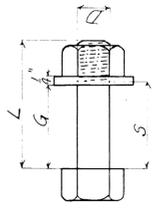
4- Bed Plates - FP.

2- Beams - B78

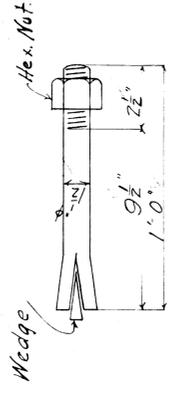
2- Beams - B71

17- Beams - B72

12- Anchor Bolts - 1 1/2" x 1'0"



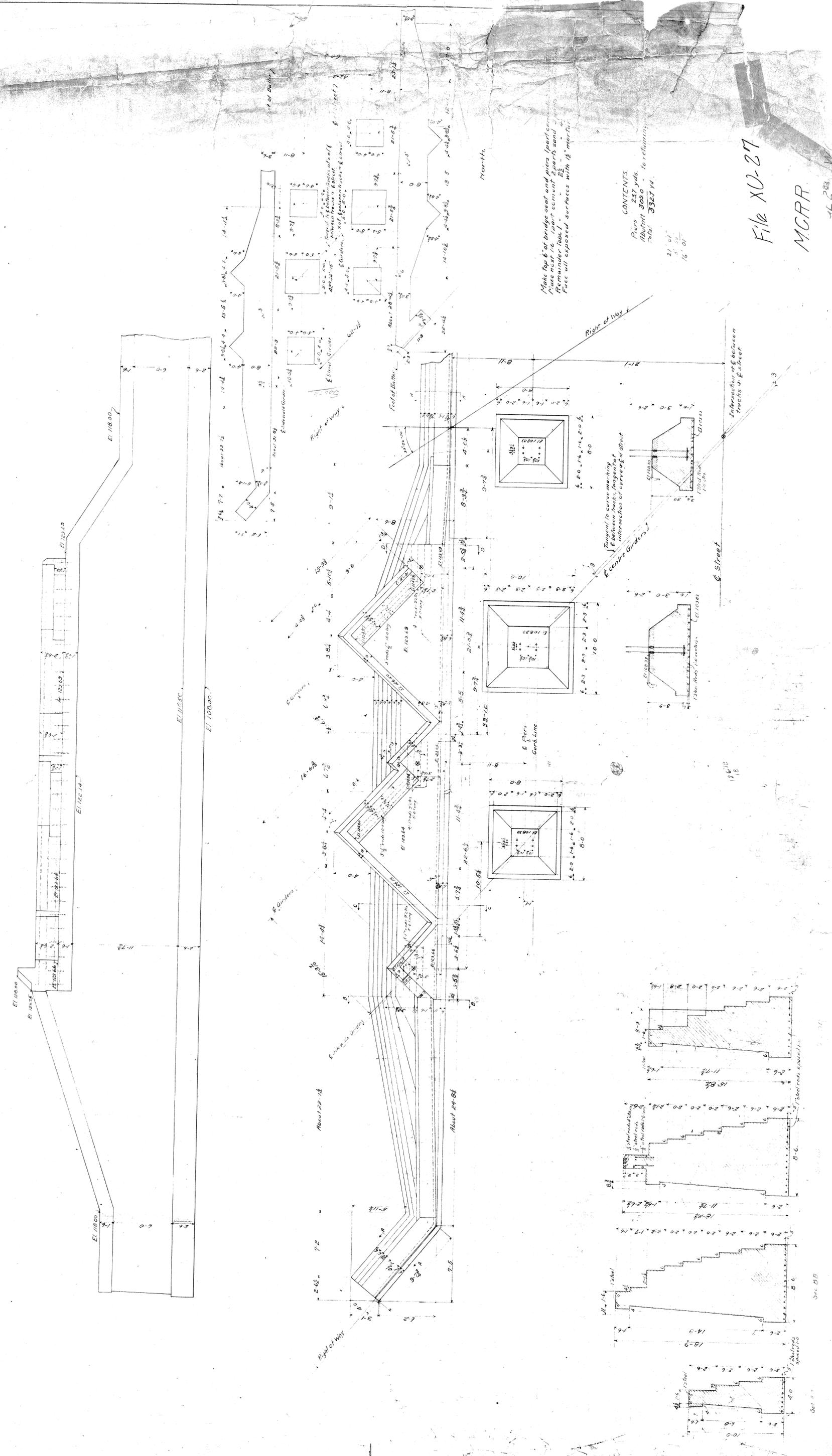
No.	D	G	S	L	Location
8	1"	2 1/2"	2 1/2"	3 1/2"	688 G1 to C B3
24	1 1/8"	1 1/8"	1 1/8"	3 1/2"	Columns to Cast. Base
8	1/4"	2 1/2"	2 1/2"	4"	688 G2 to C B5
4	"	2 1/8"	3	4 1/8"	658 G8 to C B4
2	1 1/2"	3 1/2"	3 1/2"	5 1/2"	G1 to C1
2	"	4 7/8"	4 7/8"	6 1/4"	G1 to C1
2	"	3 1/8"	3 1/8"	5 1/8"	G3 to C1
2	"	3 1/8"	3 1/8"	5 1/8"	" " "
2	"	3 1/8"	3 1/8"	5 1/8"	G2 to C2
2	"	4 1/4"	4 1/4"	6 1/4"	" " "



M.C.R.R., Bay City Div.
 Bridge 200 W Grand Boul. Detroit, M.
 Details of F.B.Ms.
 Scale 1 1/2" = 1'-0"

Notes: Rivets 7/8" Holes 1 1/2"
 Punch holes 1/8" and ream to 1/4" after assembling
 Flange holes for field connections, except in
 iron template.
 Paint see sheet #1.

AMERICAN BRIDGE COMPANY, DETROIT, MICH.
 ORDER ASSIGNED TO: Detroit
 WORK FABRICATED AT: Detroit
 MADE AT: Detroit
 DRAWN BY: J.K.P.
 CHECKED BY: G.F.H.
 IN CHARGE OF: Henry
 DATE: 11-9-08
 SHEET NO.: 19 of 19
 ORDER NO.: B8712a

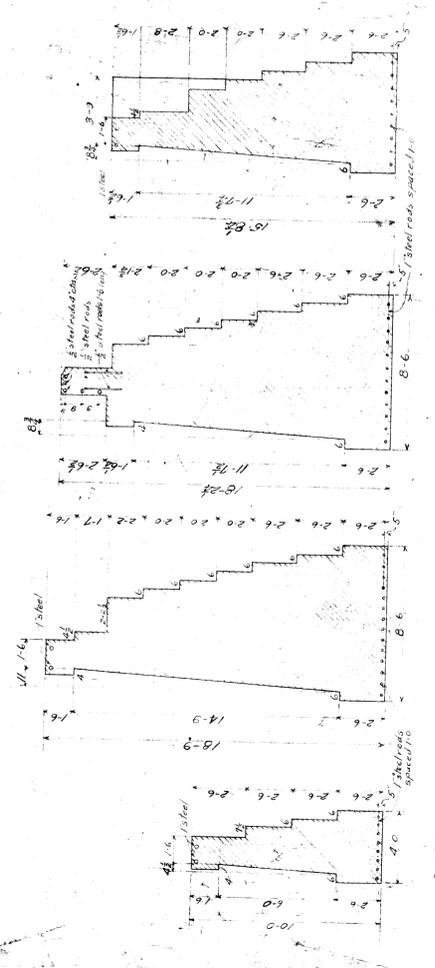


Make top 6" of bridge seat and pier face concrete.
 Make next 16" part cement, 2 parts sand & 1 part
 remainder ball. "E" "E"
 Face all exposed surfaces with 1/2" mortar.

CONTENTS
 Piers 237 yds. to retaining
 Abutment 3080
 Total 3327 yds.

File XU-27
 M.C.P.P.

JL 282 MC
 5



See DR
 Sep 11

