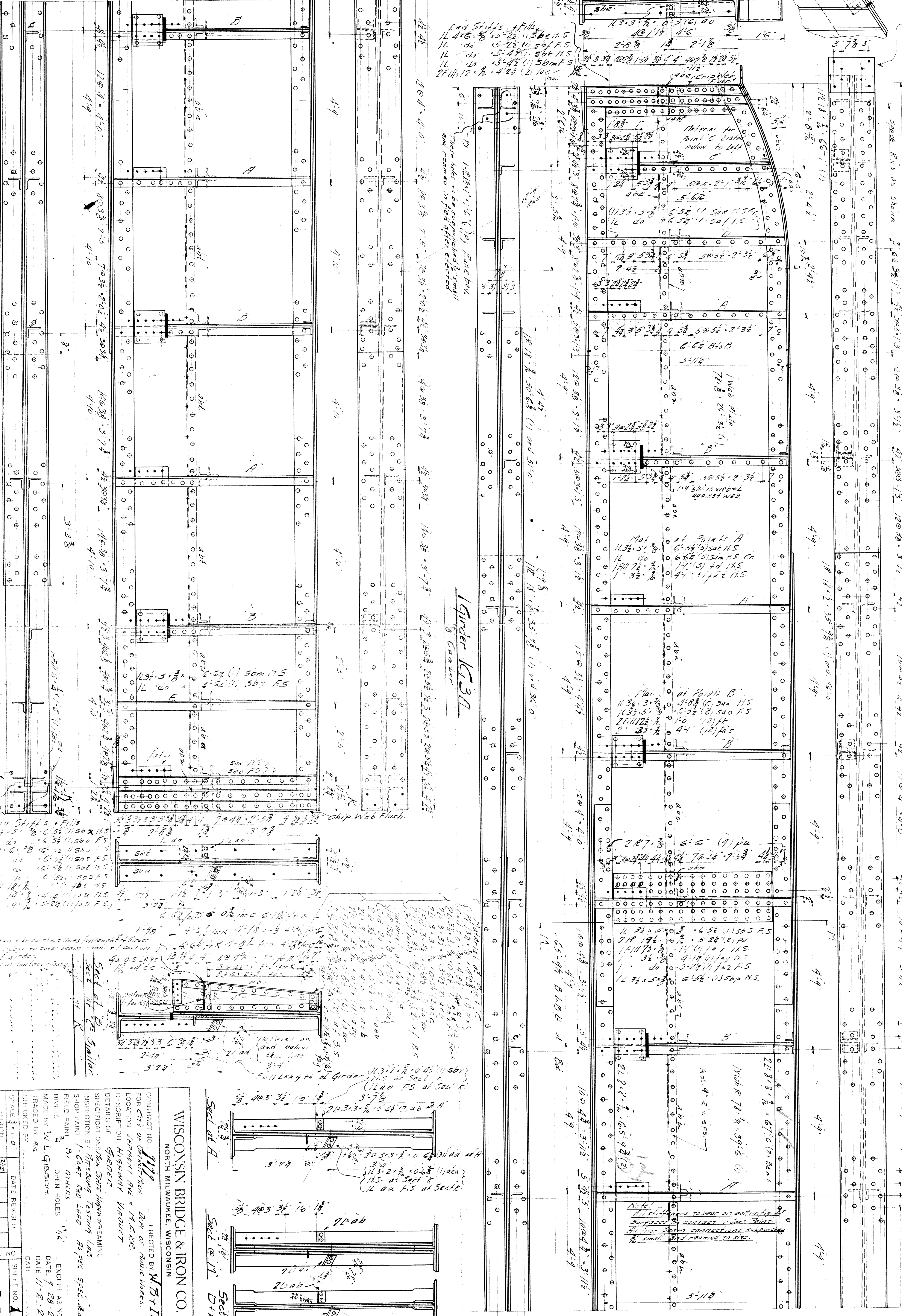


Material for Skel L Holes in 0.5 Legs Spec add 1-0 Ga 2
 1L 3 1/2 x 3 1/2 x 1/16 (1) abt 1L 3 1/2 x 3 1/2 x 1/16 (1) abt
 1L do 1-6 (1) abt 1L do 1-6 (1) abt
 1L do 2-0 1/2 (1) abt 1L do 2-0 1/2 (1) abt
 1L do 2-0 1/2 (1) abt 1L do 2-0 1/2 (1) abt
 1L do 4-5 (1) abt 1L do 4-5 (1) abt
 1L do 5-7 (1) abt 1L do 5-7 (1) abt

Material at Point C
 1L 3 1/2 x 3 1/2 x 1/16 (1) Sap H.S.
 1L 3 1/2 x 3 1/2 x 1/16 (1) Sap H.S.
 2 Fil 1 1/2 x 1/16 (2) fbb
 2 Fil 1 1/2 x 1/16 (2) fbb



End Stiffs + Fills
 1L 4-6 x 3-1/2 x 1/16 (1) Sap H.S.
 1L do 5-2 x 3-1/2 x 1/16 (1) Sap H.S.
 1L do 5-2 x 3-1/2 x 1/16 (1) Sap H.S.
 1L do 5-2 x 3-1/2 x 1/16 (1) Sap H.S.
 2 Fil 1 1/2 x 1/16 (2) fbb

Material for Point C listed below to left
 1L 3 1/2 x 3 1/2 x 1/16 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.

Material at Points A
 1L 3 1/2 x 3 1/2 x 1/16 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.

Material at Points B
 1L 3 1/2 x 3 1/2 x 1/16 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.

Material at Point C
 1L 3 1/2 x 3 1/2 x 1/16 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.

Material at Point D
 1L 3 1/2 x 3 1/2 x 1/16 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.

Material at Point E
 1L 3 1/2 x 3 1/2 x 1/16 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.

Material at Point F
 1L 3 1/2 x 3 1/2 x 1/16 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.
 1L do 6-5 1/2 (1) Sap H.S.

These holes to be subpunched 1/8 small

Chip Web Flush

No Paint on these lines full length of girder except rivet to cover beam conn. + 1/4 in on ends of rivets

Full Length of Girder

1/4 in on this line

1/4 in on this line

WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 9199
 FOR CITY OF DEPARTMENT
 LOCATION VERMONT RIVER + IN C.R.R.
 DESCRIPTION HIGHWAY VIADUCT

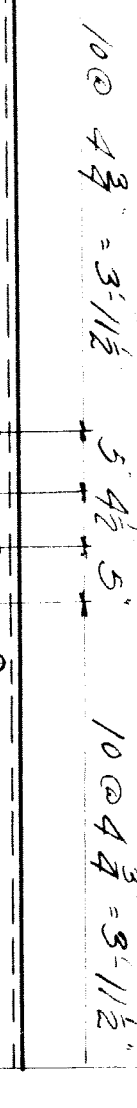
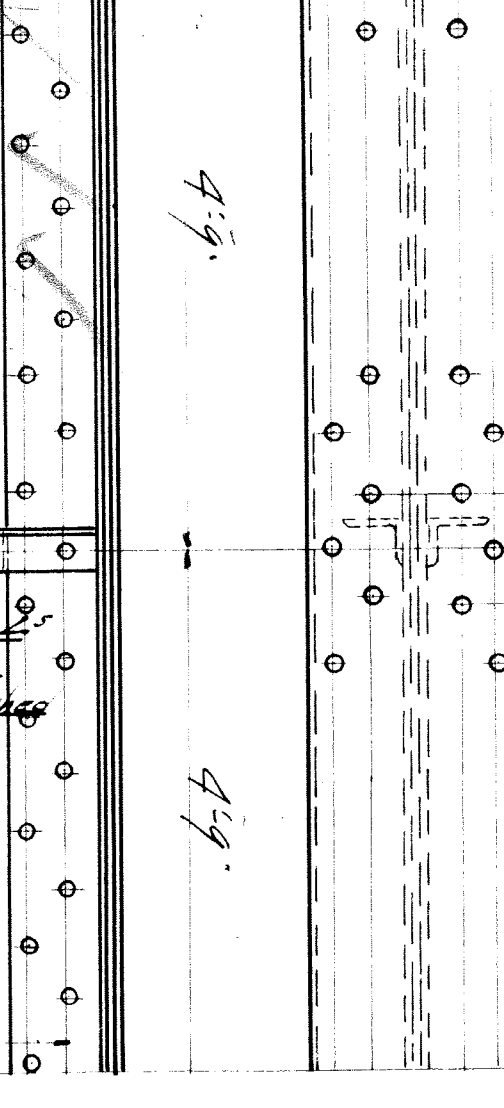
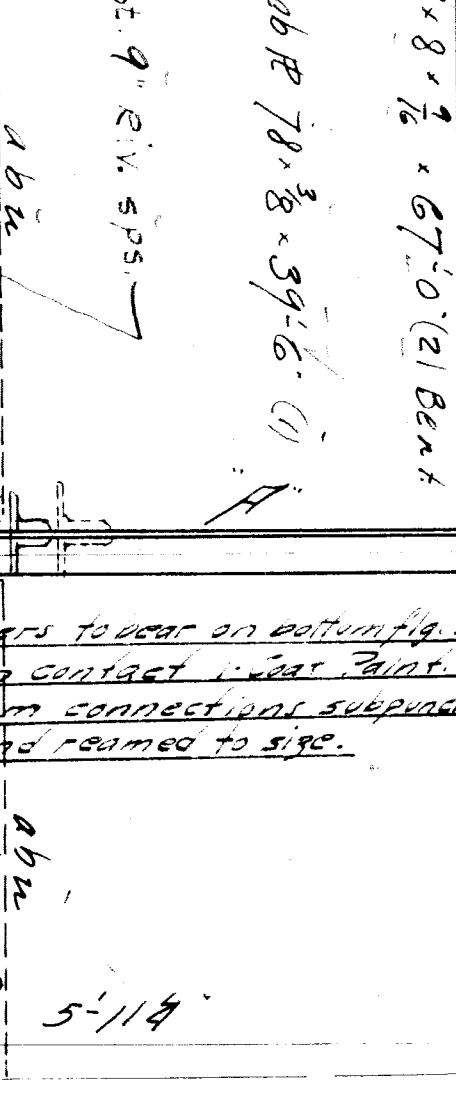
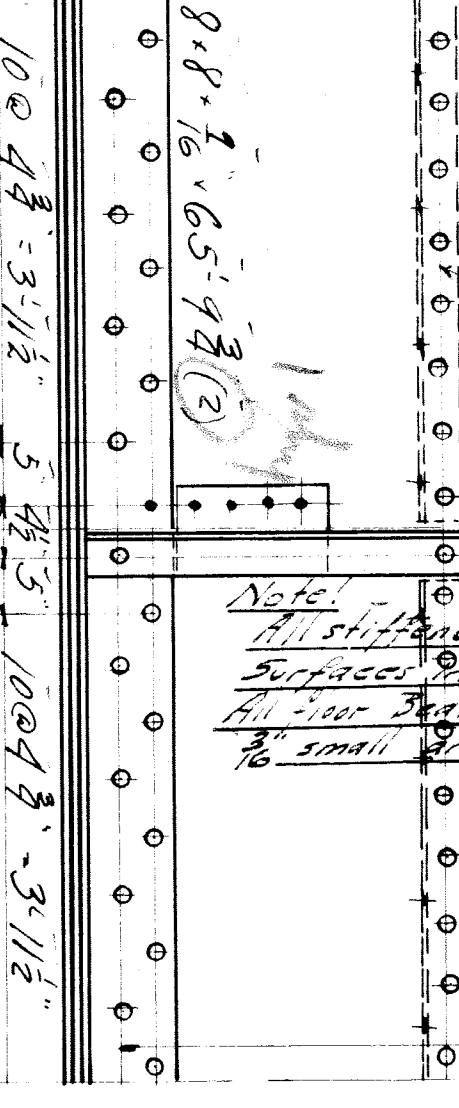
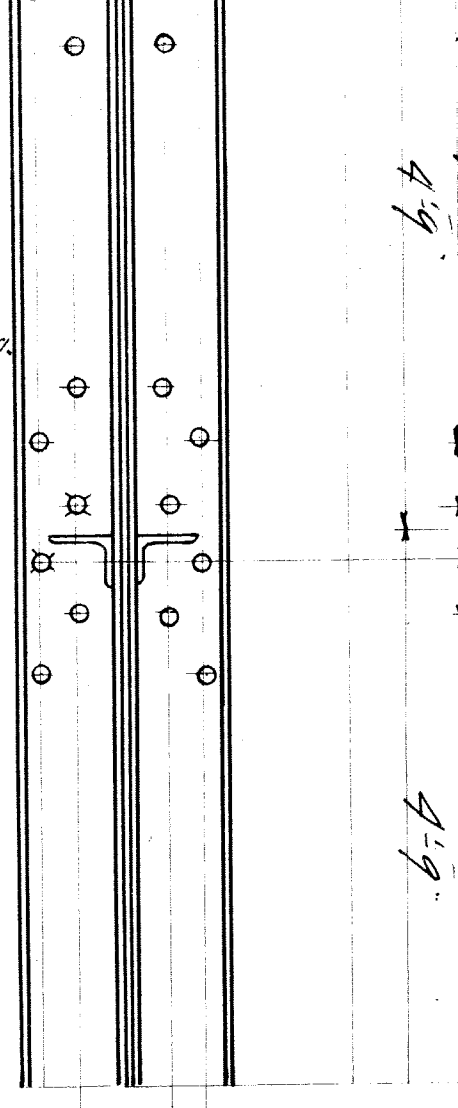
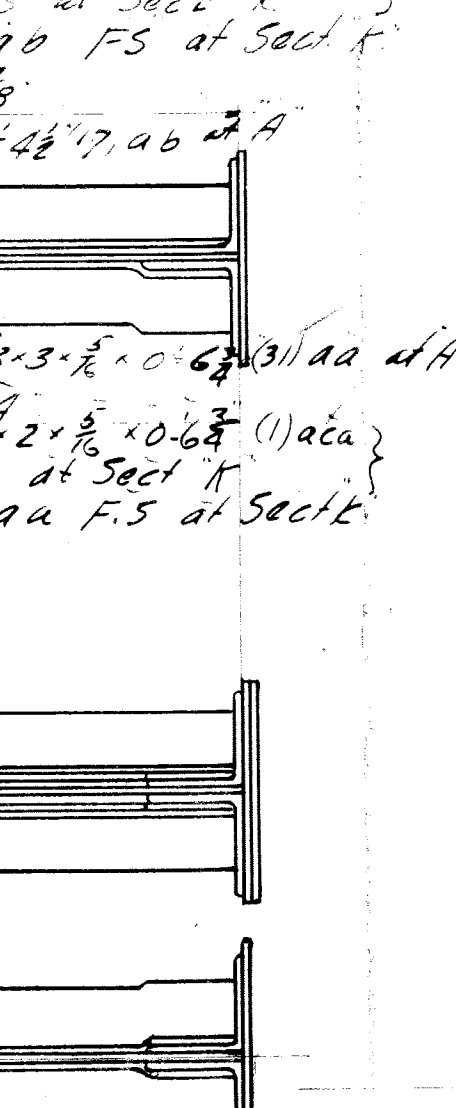
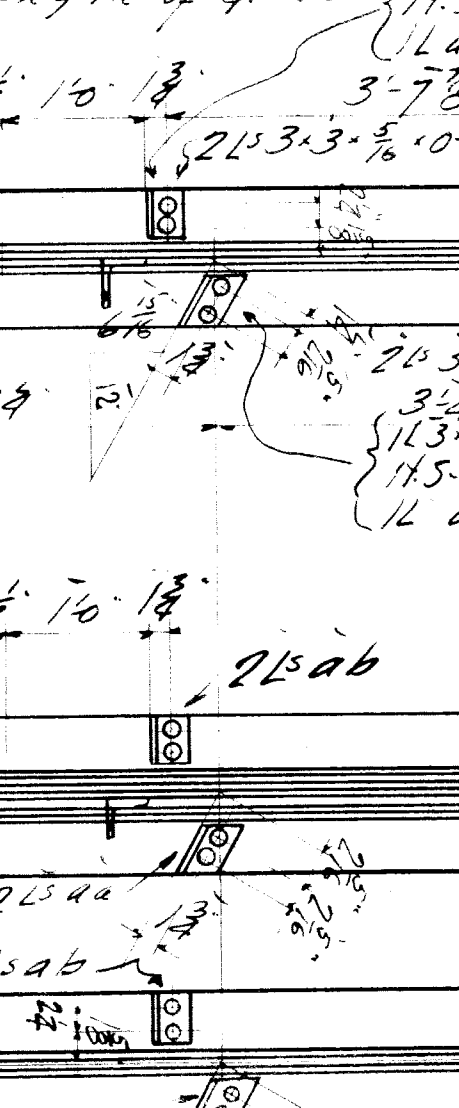
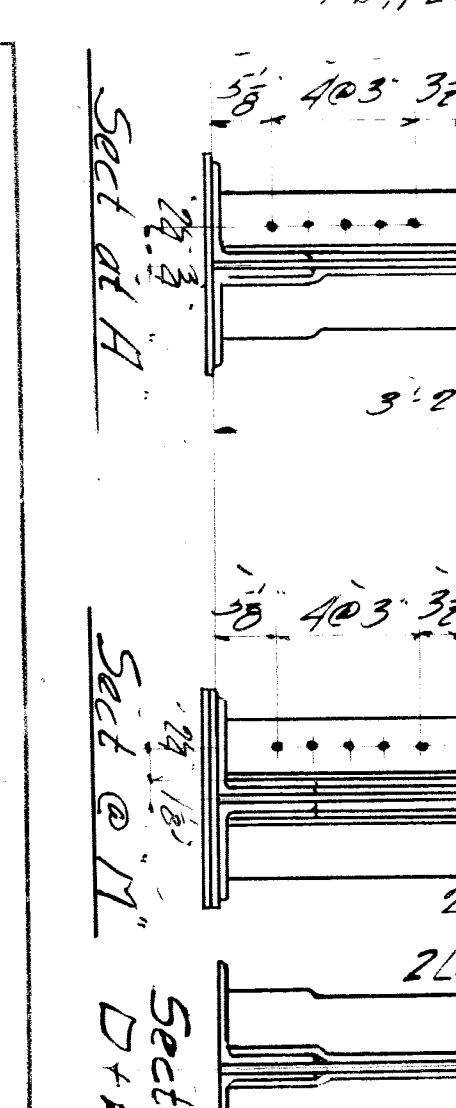
ERECTED BY W.B. & I.C.
 DEPT. OF PUBLIC WORKS

DETAILS OF GIRDERS
 SPECIFICATIONS: NEW STATE HIGHWAY BUREAU
 INSPECTION BY PITTSBURGH TESTING LAB.
 SHOP PAINT 1-COAT RED LEAD 35 PERCENT SPEC. RECOMMENDED

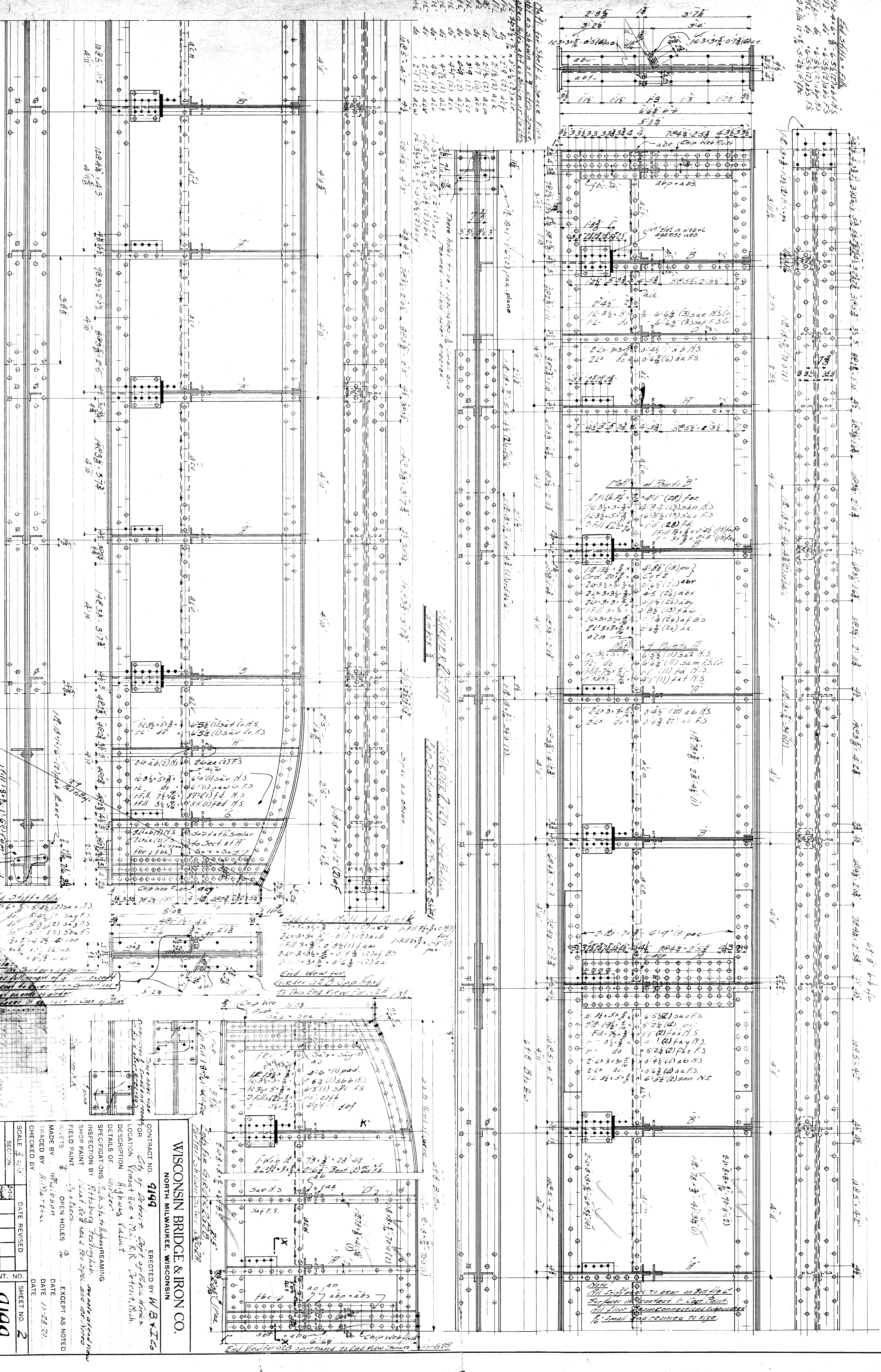
FIELD PAINT BY OTHERS
 RIVETS MADE BY W.L. GIESCH
 MADE BY W.L. GIESCH
 TRACED BY MK
 CHECKED BY MK
 DATE 11-2-20

EXCEPT AS NOTED
 DATE 11-2-20

SCALE 3/4" = 1'-0"
 SHEET NO. 1
9199



End Stiffeners & Fills
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS



Deck Section at 15' from Centerline
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS

Deck Section at 15' from Centerline
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS

Deck Section at 15' from Centerline
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS

Deck Section at 15' from Centerline
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS
 1/2" x 6" x 5/8" (2) saaf NS

WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

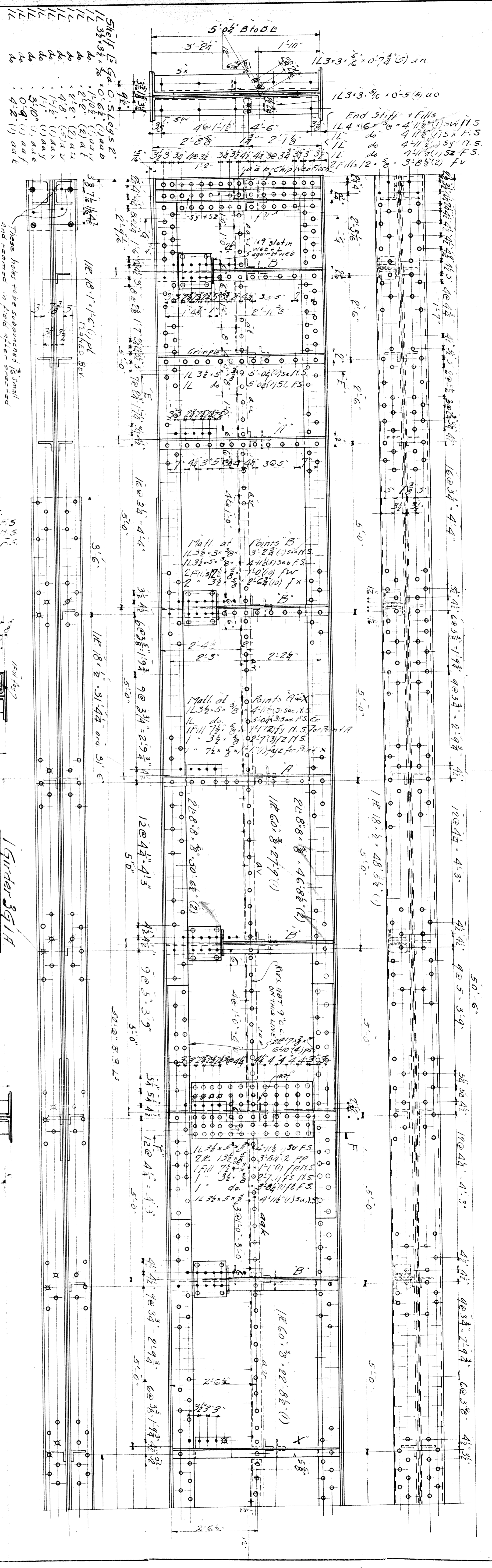
CONTRACT NO. 9199
 CITY OF DETROIT, DEPT. OF PUBLIC WORKS
 LOCATION: Vermont Ave & M.C.R. Detroit, Mich.
 DESCRIPTION: Highway Viaduct

ERECTED BY W.B. & I.C.O.
 INSPECTION BY R.H. Stutzman
 CHECKED BY H. Martini

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

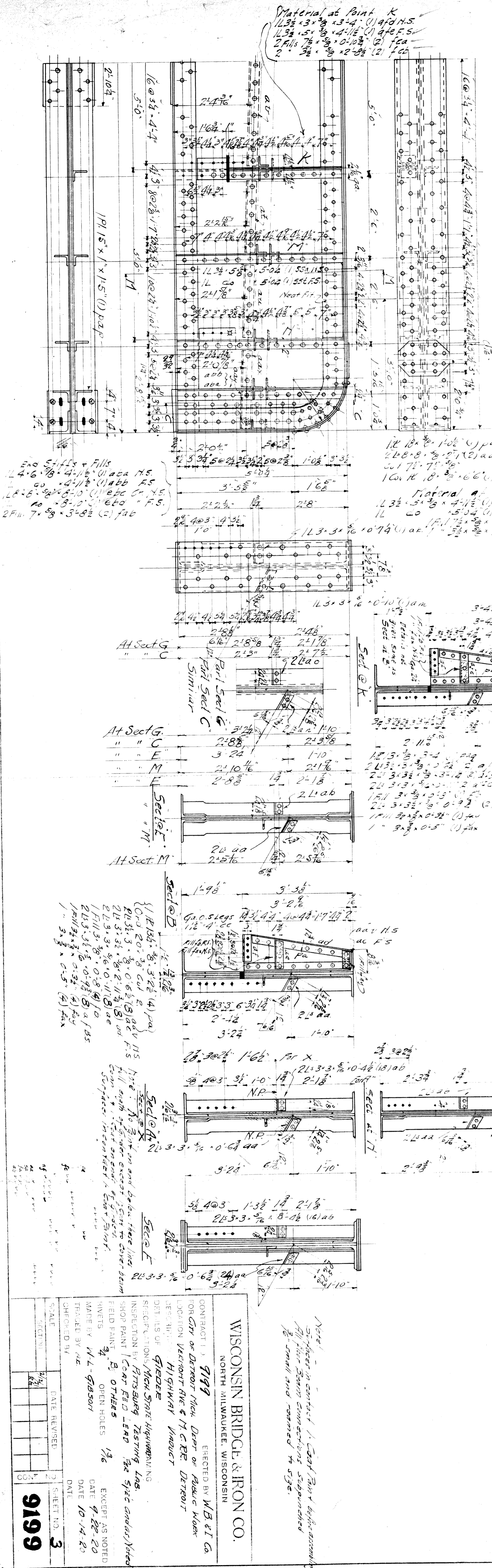
DATE: 11-28-20

SHEET NO. 2



Material at Point K
 1L 3 3/8 x 3/8 x 3/4 (1) ad H.S.
 1L 3 3/8 x 3/8 x 4 1/2 (1) ad F.S.
 2 Fills 7/8 x 3/8 x 0 10/32 (2) fca
 2 x 3/8 x 3/8 x 2 1/2 (2) fca

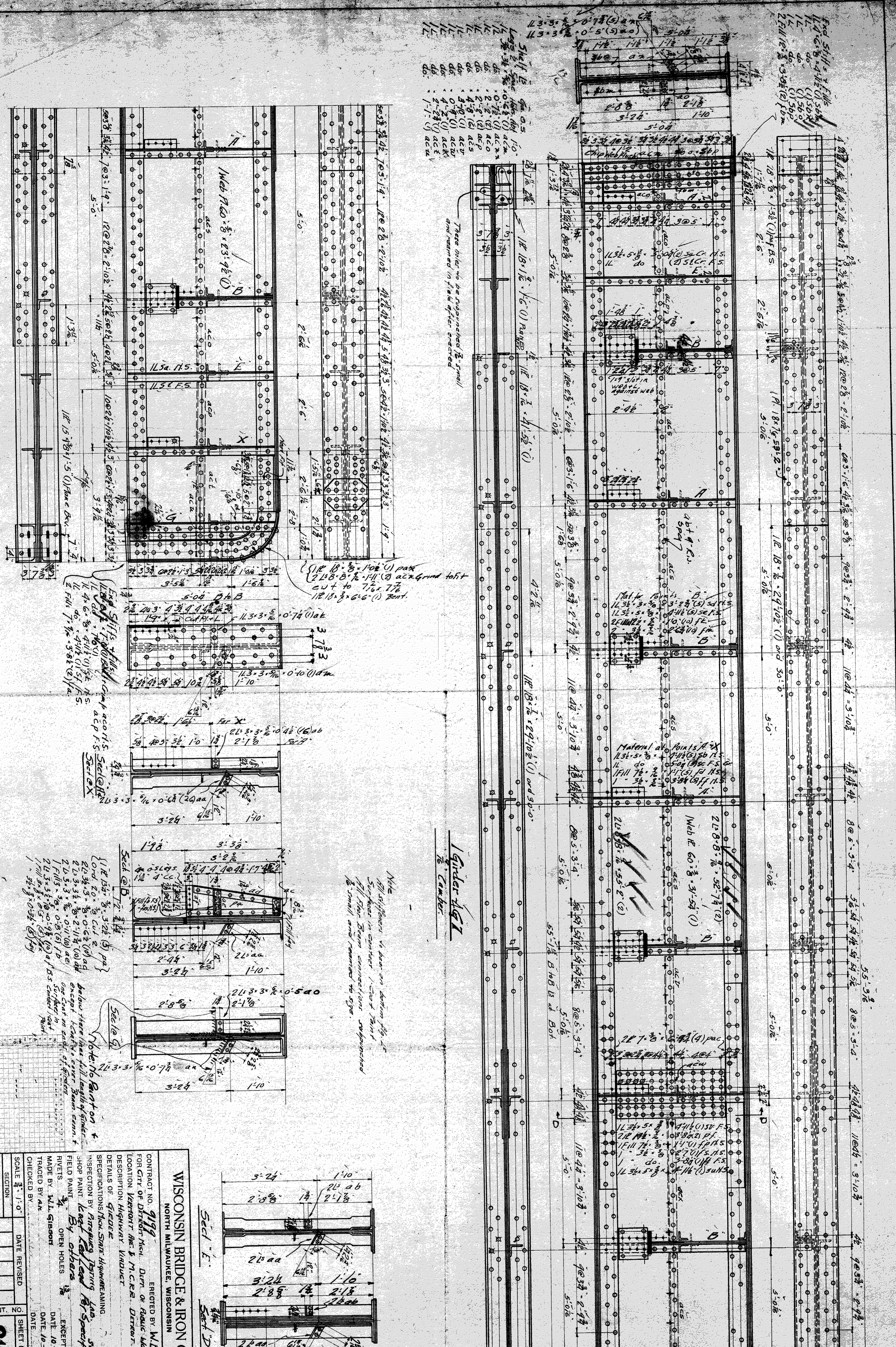
Material at Point A
 1L 3 3/8 x 3/8 x 4 1/2 (1) ad H.S.
 1L 3 3/8 x 3/8 x 5 0/4 (1) ad F.S.
 1 FILL 7/8 x 3/8 x 1 1/2 (1) fca
 2 x 3/8 x 3/8 x 2 1/2 (2) fca



WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 9199
 ERRECTED BY W.B. & I. CO.
 FOR CITY OF DETROIT Mich. DEPT. OF PUBLIC WORKS
 LOCATION VERMONT AVE & M.C.R.R. DETROIT
 DESIGNER: GEORGE H. HIGGINS
 DET. OF: HIGGINS
 SPECIFICATIONS: Mich. STATE HIGHWAY DIV. NO. 1
 INSPECTION BY: FRISBURY TESTING LAB.
 SHOP PAINT: CARBIDE LEAD 1/2 SPEC. (Canada) Steel
 FIELD PAINT: OTHERS
 RIVETS: 3/4" OTHERS 1/2"
 MADE BY: W.L. FISHER
 OPEN HOLES: 1/2"
 DATE: 9-22-20
 EXCEPT AS NOTED
 TRACED BY: W.L. FISHER
 DATE: 10-14-20
 CHECKED BY: W.L. FISHER
 DATE:

SCALE	DATE REVISED	SHEET NO.
SECTION		3
		9199



- Sheet**
- 1. 10' 0" (1) acm
 - 2. 10' 0" (1) acm
 - 3. 10' 0" (1) acm
 - 4. 10' 0" (1) acm
 - 5. 10' 0" (1) acm
 - 6. 10' 0" (1) acm
 - 7. 10' 0" (1) acm
 - 8. 10' 0" (1) acm
 - 9. 10' 0" (1) acm
 - 10. 10' 0" (1) acm
 - 11. 10' 0" (1) acm
 - 12. 10' 0" (1) acm
 - 13. 10' 0" (1) acm
 - 14. 10' 0" (1) acm
 - 15. 10' 0" (1) acm
 - 16. 10' 0" (1) acm
 - 17. 10' 0" (1) acm
 - 18. 10' 0" (1) acm
 - 19. 10' 0" (1) acm
 - 20. 10' 0" (1) acm

These rivets to be furnished by small and turned in field after erected

Note:
 All steelwork to be on bottom flange of girder in center. 1" cut taper. All steel beam connections to be small and turned to size.

WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 9199
 FOR CITY OF DETROIT Mich. DEPT. OF PUBLIC WORKS
 LOCATION VERTON AVENUE & M.C.R. DETROIT
 DESCRIPTION HIGHWAY VIADUCT

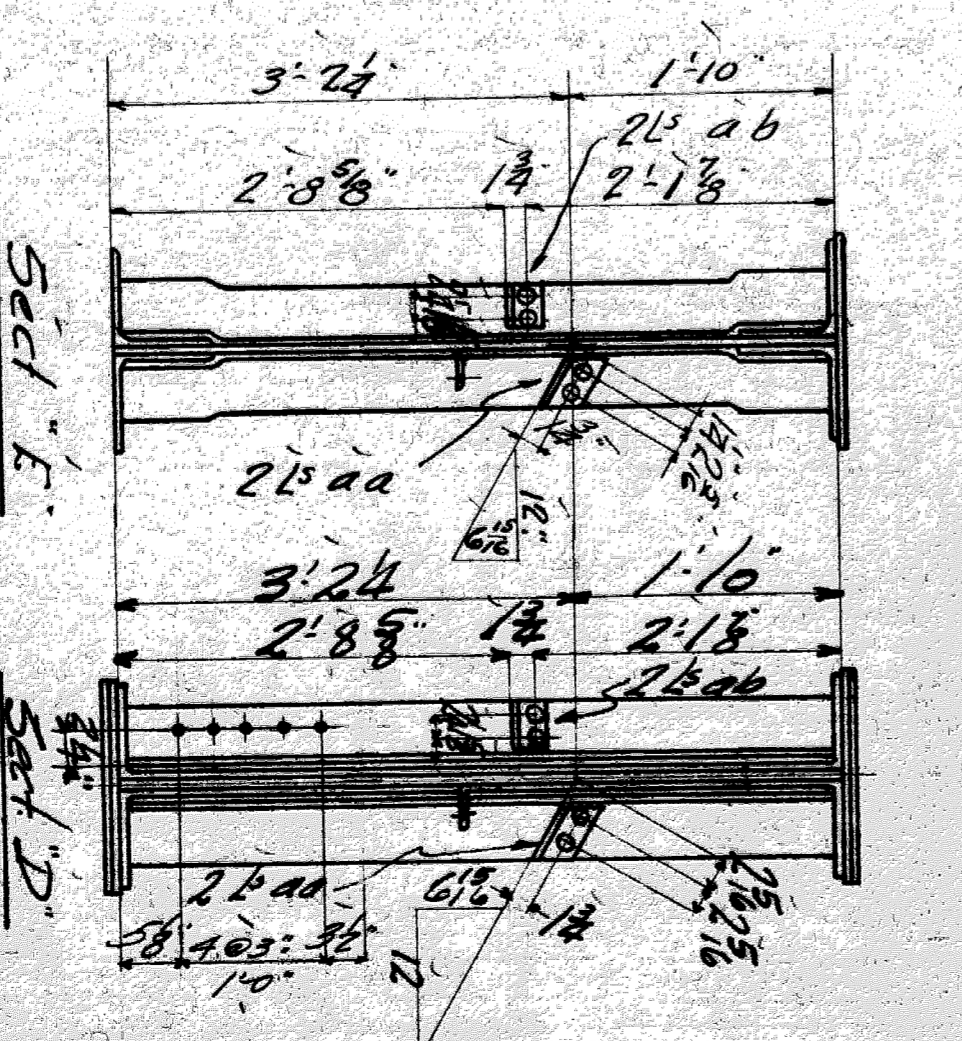
ERECTED BY W.B. & I.C.

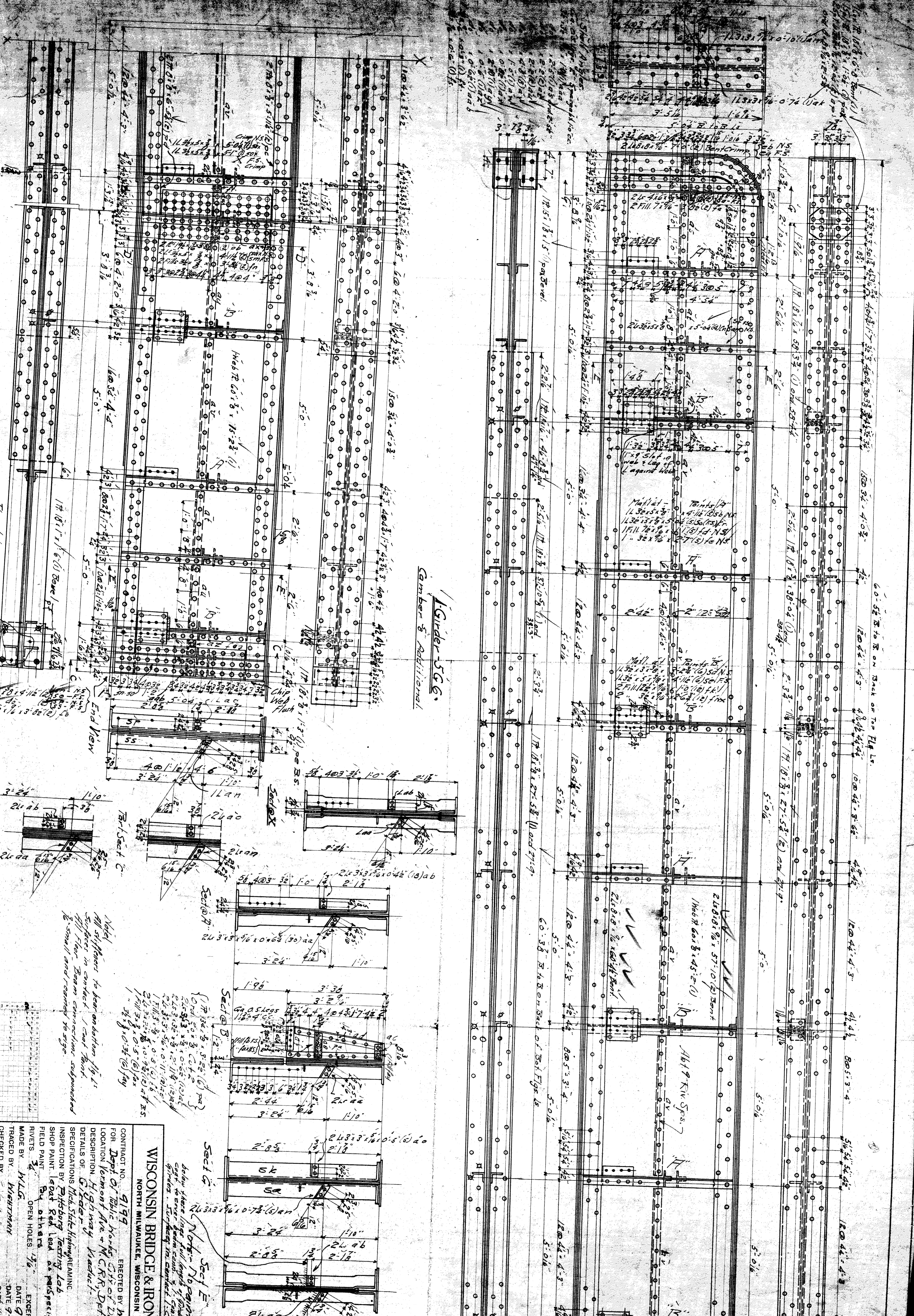
DETAILS OF GIRDER SPECIFICATIONS: MILWAUKEE STATE HIGHWAY DEPARTMENT
 INSPECTION BY RANSFORD J. STINEBAUGH
 SHOP PAINT BY OPEN HOLES
 FIELD PAINT BY OPEN HOLES

MADE BY M.L. GIBSON
 TRACED BY AK
 CHECKED BY
 DATE 10-22-20

EXCEPT AS NOTED DATE 10-7-20

SCALE 3/4" = 1'-0"
 SECTION
 CONT. NO. SHEET NO. 4





Girder - 56"
Camber 5" Additional

Note:
All stiffeners to bear on bottom flange
surfaces in contact. 1 cast iron
fill floor beam connection, substituted
& small and cannot be size.

Section A
Section B
Section C
Section D
Section E

WISCONSIN BRIDGE & IRON CO.
NORTH MILWAUKEE, WISCONSIN

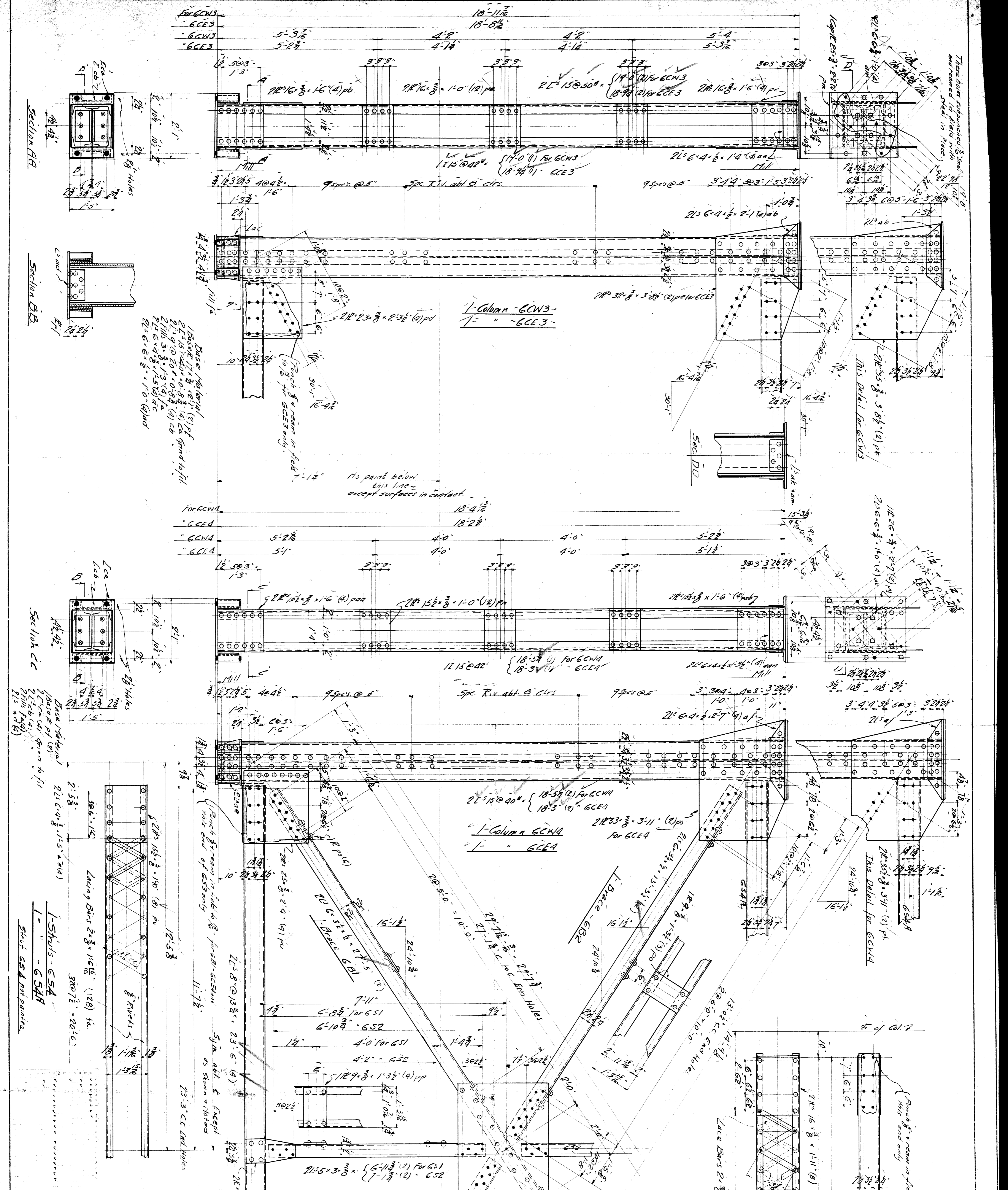
CONTRACT NO. 9199
ERECTED BY W.B. & I.C.
FOR Dept. of Public Works, City of Detroit,
LOCATION Vermont Ave. & N. C.R. Detroit, Mich.
DETAILS OF Girder
SPECIFICATIONS Mich. State Highway Com.
INSPECTION BY Pittsburg Testing Lab.
SHOP PAINT Lead Red Lead as per specifications
FIELD PAINT Galv. or other
RIVETS 3/4" dia.
MADE BY W.L.G.
OPEN HOLES 1 1/2"
TRACED BY W.L.G.
DATE 9-11-20
EXCEPT AS NOTED
CHECKED BY W.L.G.
DATE 9-11-20

SCALE 1/4" = 1'-0"

SECTION 5

SHEET NO. 5

9199



WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 9199
 FOR CITY OF DETROIT Mich. Dept. of Public Works
 LOCATION: DETROIT RIVER, MI & M.C.R.R.
 DESCRIPTION: HIGHWAY VIADUCT
 DETAILS OF: BEAMS 3 & 4
 SPECIFICATIONS: NEW STATE HIGHWAY BEAMING
 INSPECTION BY: FITZSUGHER TESTING LAB.
 SHOP PAINT: 1 coat red lead per specifications
 FIELD PAINT: By others
 RIVETS: 3/4" OPEN HOLES
 MADE BY: HAUCC
 TRACED BY: AK
 CHECKED BY: [Signature]
 DATE: 10-15-20

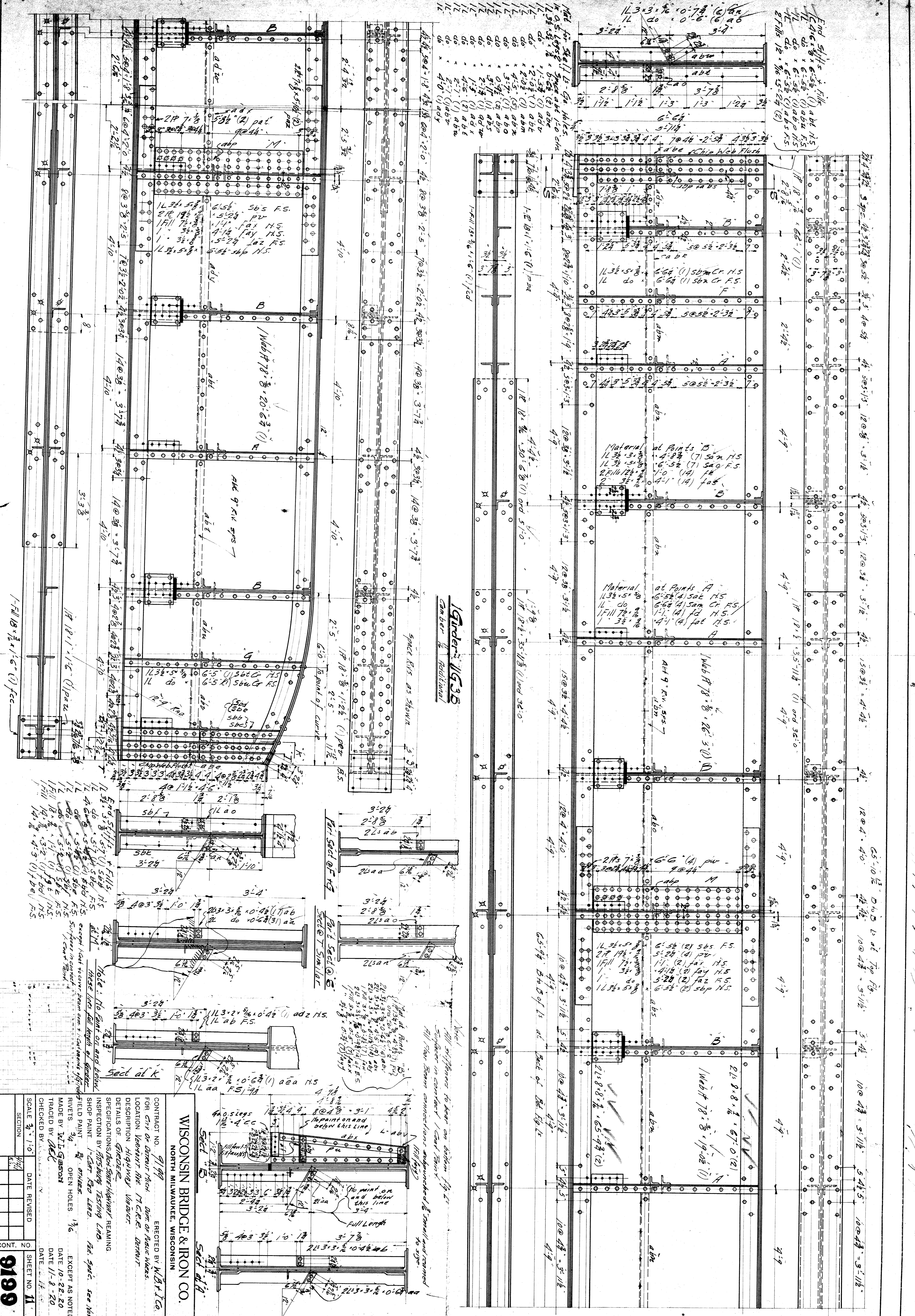
ERECTED BY: W.B. & I. CO.
 EXCEPT AS NOTED
 DATE: 9-28-20

NO.	DESC.	SUMMARY	MARK.	MT.
1	COLUMN	GCW3		
2	"	GCW3		
3	"	GCW3		
4	"	GCW3		
5	"	GCW3		
6	"	GCW3		
7	"	GCW3		
8	"	GCW3		
9	"	GCW3		
10	"	GCW3		
11	"	GCW3		
12	"	GCW3		
13	"	GCW3		
14	"	GCW3		
15	"	GCW3		
16	"	GCW3		
17	"	GCW3		
18	"	GCW3		
19	"	GCW3		
20	"	GCW3		
21	"	GCW3		
22	"	GCW3		
23	"	GCW3		
24	"	GCW3		
25	"	GCW3		
26	"	GCW3		
27	"	GCW3		
28	"	GCW3		
29	"	GCW3		
30	"	GCW3		
31	"	GCW3		
32	"	GCW3		
33	"	GCW3		
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37	"	GCW3		
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41	"	GCW3		
42	"	GCW3		
43	"	GCW3		
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45	"	GCW3		
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47	"	GCW3		
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92	"	GCW3		
93	"	GCW3		
94	"	GCW3		
95	"	GCW3		
96	"	GCW3		
97	"	GCW3		
98	"	GCW3		
99	"	GCW3		
100	"	GCW3		

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

SECTION: 9199

SHEET NO. 6



End stiffeners in field
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.
 2" x 1/2" x 1/2" (2) abt H.S.

1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.

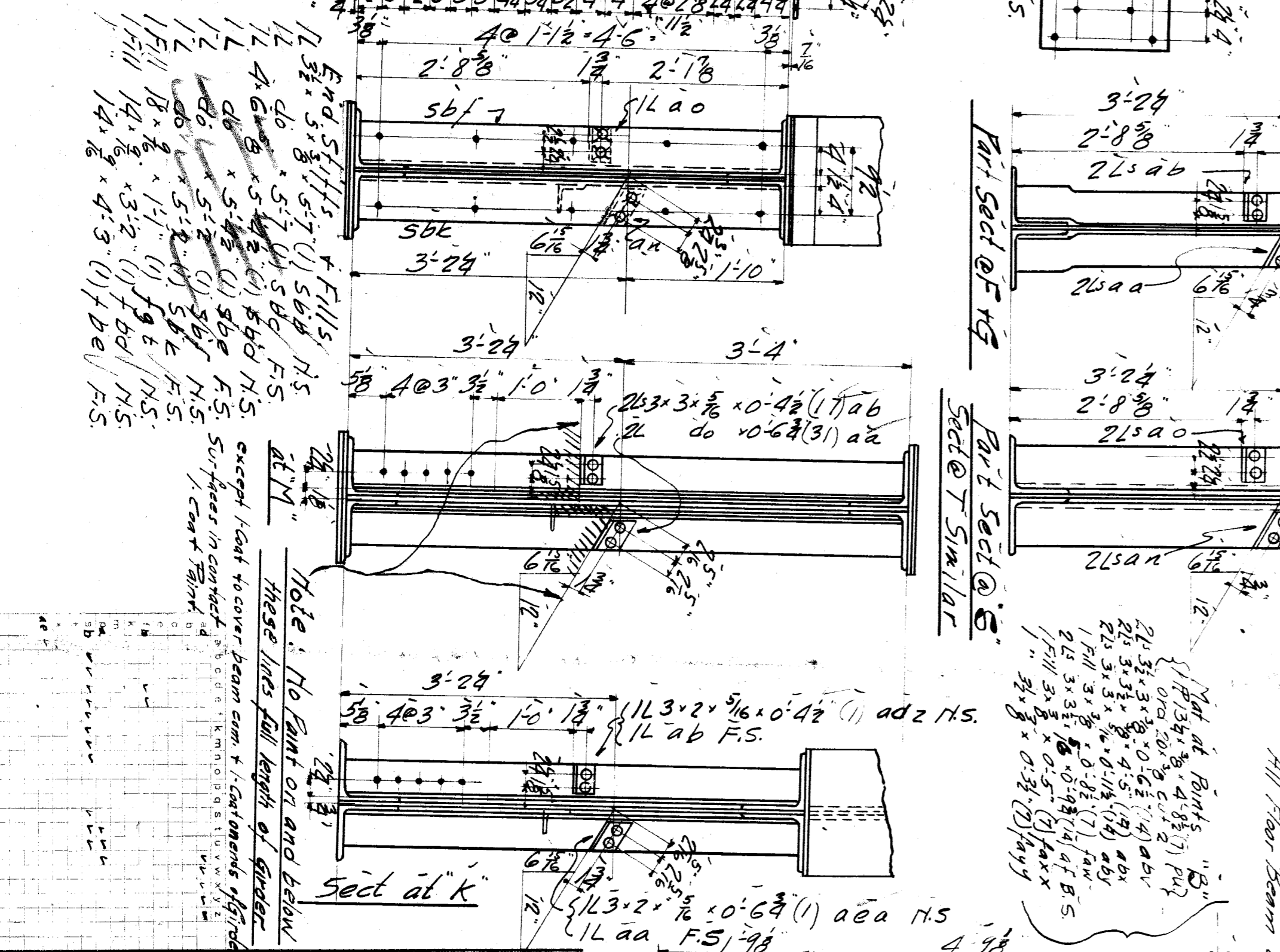
1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.

Material at Points B
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.

Material at Points A
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.
 1/2" x 6" x 6" (1) abt H.S.

Girder 11G38
 Camber 1/2" Additional

Note: All stiffeners to bear on bottom flange
 surfaces in contact with beam.
 All floor beam connections unobscured & small and rained
 to size.

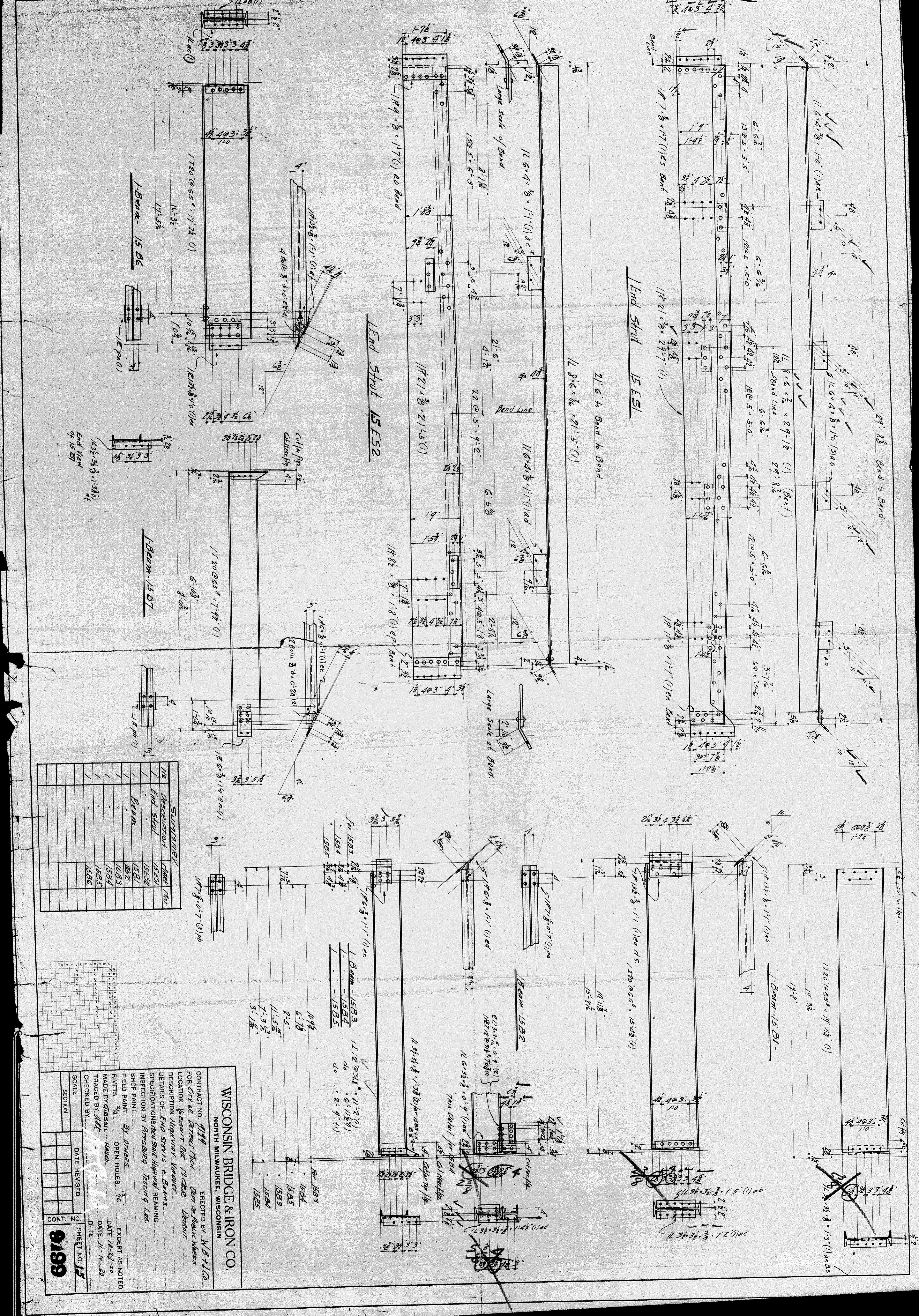


WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 9199
 ERCTED BY W.B. & I. CO.
 FOR CITY OF DENVER, COLORADO, DENVER, COLORADO
 LOCATION: DENVER, COLORADO
 DESCRIPTION: HIGHWAY BRIDGE
 DETAILS OF GIRDER

INSPECTION BY: [Signature]
 SHOP PAINT: [Signature]
 FIELD PAINT: [Signature]
 RIVETS: [Signature]
 MADE BY: [Signature]
 TRACED BY: [Signature]
 CHECKED BY: [Signature]

SCALE: 3/4" = 1'-0"
 DATE: 11-8-20
 SHEET NO. 11



SUMMARY	DATE	BY
1/12	1923	W.B.
1/13	1923	W.B.
1/14	1923	W.B.
1/15	1923	W.B.
1/16	1923	W.B.
1/17	1923	W.B.
1/18	1923	W.B.
1/19	1923	W.B.
1/20	1923	W.B.
1/21	1923	W.B.
1/22	1923	W.B.
1/23	1923	W.B.
1/24	1923	W.B.
1/25	1923	W.B.
1/26	1923	W.B.
1/27	1923	W.B.
1/28	1923	W.B.
1/29	1923	W.B.
1/30	1923	W.B.

NO.	DESCRIPTION	DATE	BY
1	End Stud	1923	W.B.
2	Beam	1923	W.B.
3	Beam	1923	W.B.
4	Beam	1923	W.B.
5	Beam	1923	W.B.
6	Beam	1923	W.B.
7	Beam	1923	W.B.
8	Beam	1923	W.B.
9	Beam	1923	W.B.
10	Beam	1923	W.B.
11	Beam	1923	W.B.
12	Beam	1923	W.B.
13	Beam	1923	W.B.
14	Beam	1923	W.B.
15	Beam	1923	W.B.
16	Beam	1923	W.B.
17	Beam	1923	W.B.
18	Beam	1923	W.B.
19	Beam	1923	W.B.
20	Beam	1923	W.B.

WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 9199
 FOR CITY OF DETROIT, Mich.
 LOCATION: Lapeer Ave. 17th St. Detroit.

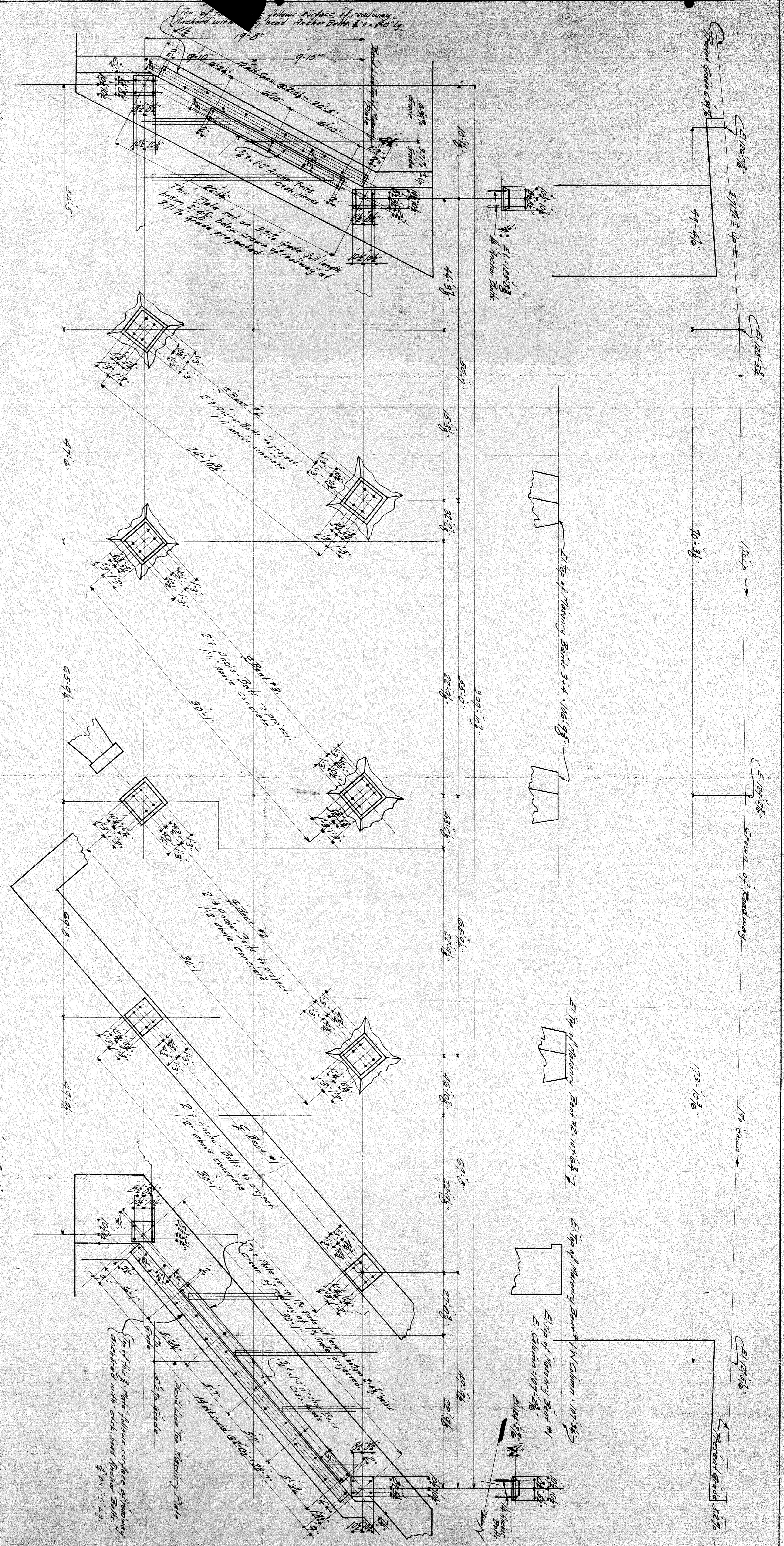
DESCRIPTION: Highway Viaduct
 DETAILS OF: End Studs & Beams
 SPECIFICATIONS: MKA STATE HIGHWAY REMAINING
 INSPECTION BY: RITSBURG, Testing Lab.

SHOP PAINT: By OTHERS
 FIELD PAINT: OPEN HOLES, 1/2"
 RIVETS: 3/4"
 MADE BY: GIBSON - Mault
 TRACED BY: J.C.C.
 CHECKED BY: J.C.C.

EXCEPT AS NOTED
 DATE: 10-27-20
 DATE: 11-10-20

SCALE: SECTION
 SHEET NO. 15
 9199

11-10-20



Note:
 Masonry Bank finished and set
 by Michigan Central R.R.

WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN.

CONTRACT NO. 9199 ERECTED BY

FOR City of Detroit

LOCATION Detroit, Mich.

DESCRIPTION Lemont Street Viaduct.

DETAILS OF Masonry Bank

SPECIFICATIONS Mich. State Highway DEPARTMENT

INSPECTION BY

SHOP PAINT

FIELD PAINT

RIVETS OPEN HOLES

MADE BY Mack

TRACED BY Mack

CHECKED BY Mack

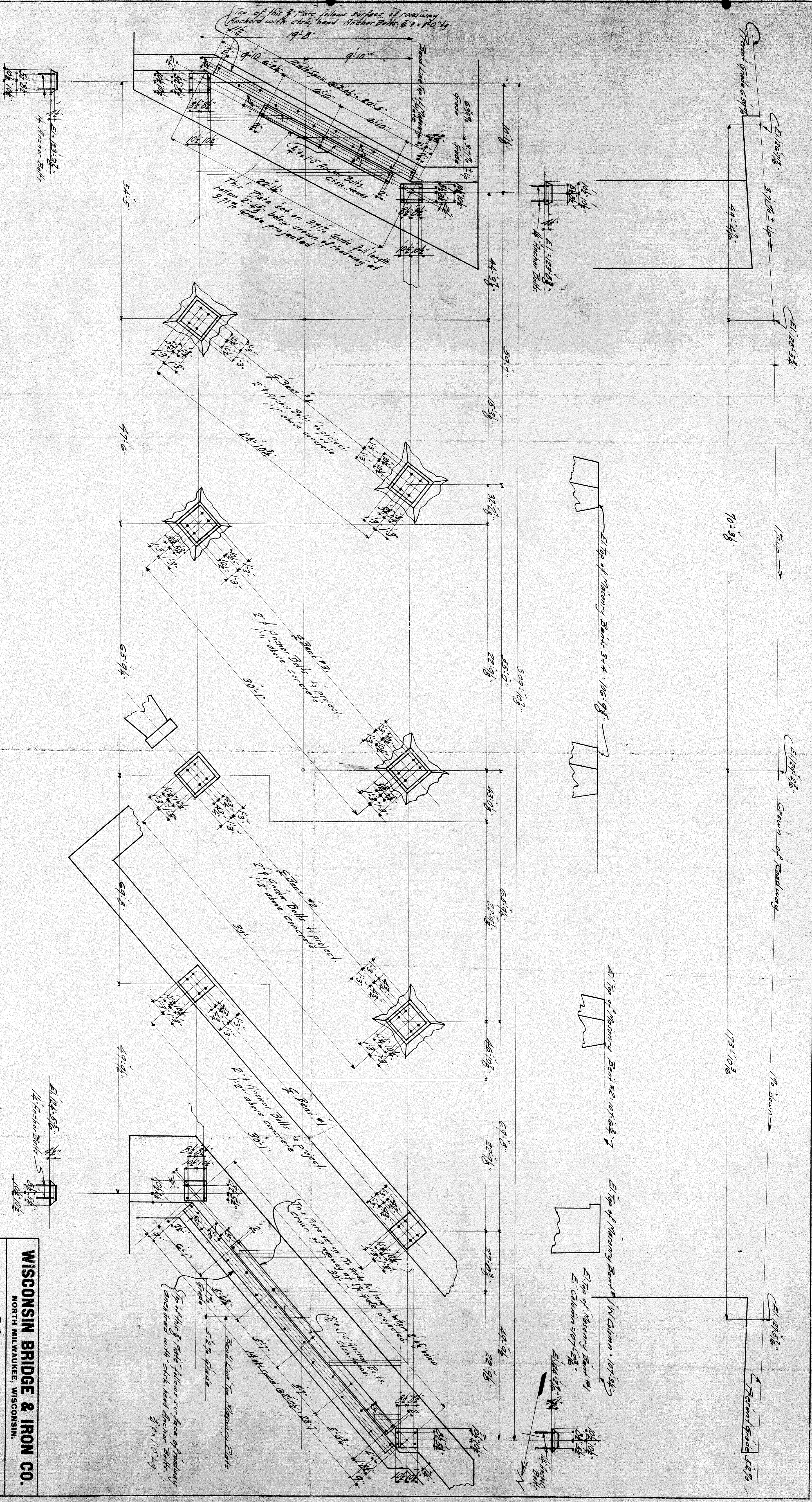
SCALE 1/4" = 1'-0"

DATE 5/15/22

DATE 7/17/20

SHEET NO. 51

CONT. NO. 9199



Note:
Anchor Bolts furnished and set
by Michigan Central R.R.

WISCONSIN BRIDGE & IRON CO.
NORTH MILWAUKEE, WISCONSIN.

CONTRACT NO.	9199	ERECTED BY	
FOR	City of Detroit	LOCATION	Detroit, Mich.
DESCRIPTION	Lemont Street Viaduct		
DETAILS OF	Masonry Work		
SPECIFICATIONS	Mich. State Highway		
INSPECTION BY			
SHOP PAINT			
FIELD PAINT			
RIVETS	OPEN HOLES		
MADE BY	Frank		
TRACED BY			
CHECKED BY	M. C. C.		
SCALE	1/2" = 1'-0"	DATE REVISED	
SECTION		DATE	8/15/20
		DATE	7/17/20
CONT. NO.		SHEET NO.	E1
			9199

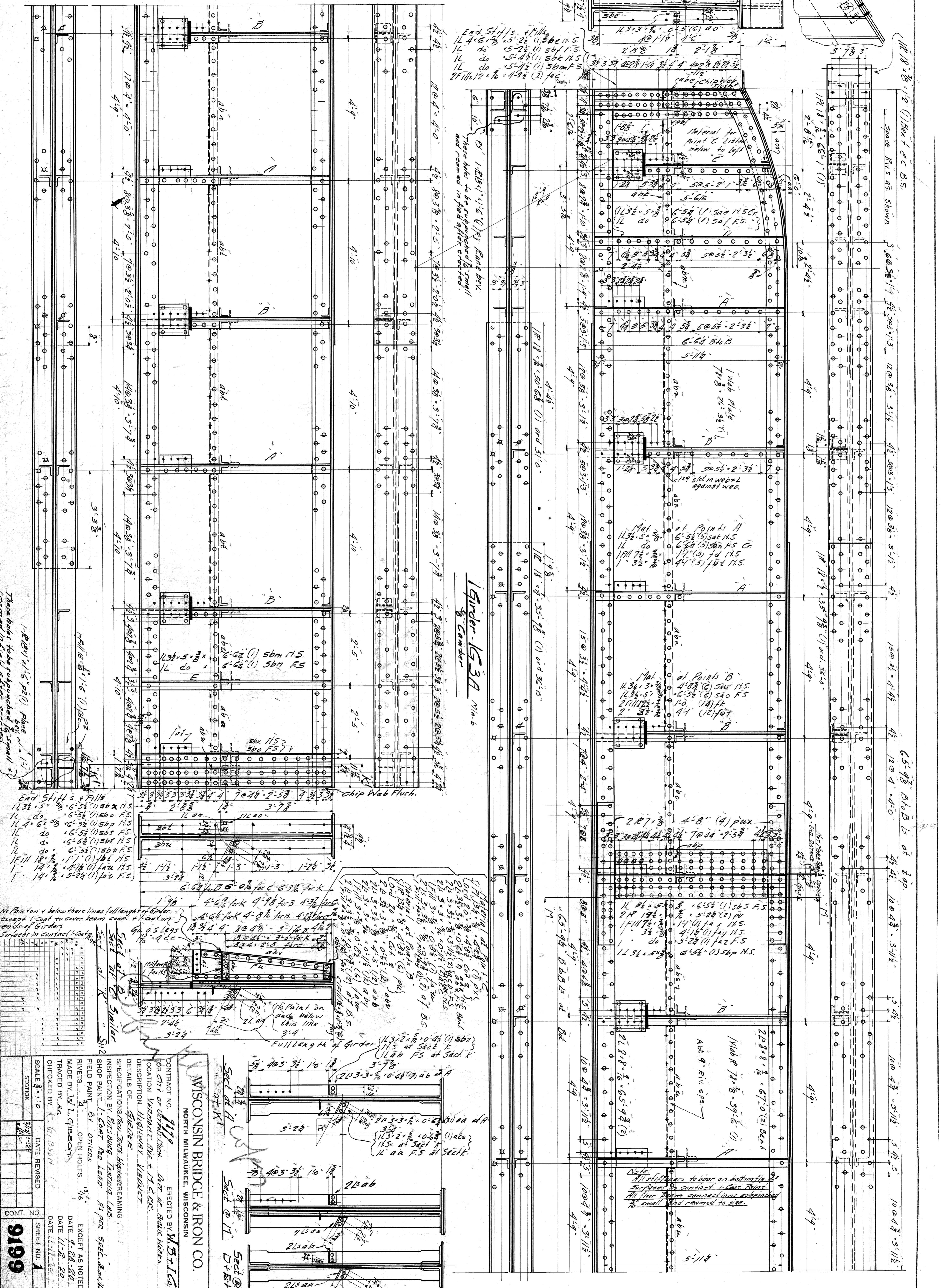
Material for Shelf L. Holes in a.s. legs 3/16" dia. 2
 1L 3/2" x 3/4" x 0.625 (1) abe
 1L do 1.5 (1) abf
 1L do 2.02 (1) abt
 1L do 2.52 (1) abm
 1L do 4.5 (6) abn
 1L do 5.7 (1) abo
 1L 3/2" x 3/4" x 0.625 (1) abp
 1L do 2.52 (1) abq
 1L do 4.6 (3) abe
 1L do 2.1 (1) abk
 1L do 2.1 (1) abl
 1L do 2.1 (1) abm
 1L do 2.1 (1) abn
 1L do 0.625 (1) abw

Material at Point C
 1L 3/2" x 3/4" x 0.625 (1) Sap H.S.
 1L 3/2" x 5/8" x 0.625 (1) Sap H.S.
 2Fills 3/2" x 7/8" x 3.93 (2) fbc

End Stiffeners & Fills
 1L 4" x 6" x 1/2" (1) sbc H.S.
 1L do 15-22 (1) sbf F.S.
 1L do 15-42 (1) sbt H.S.
 1L do 15-42 (1) sbm F.S.
 2Fills 1/2" x 7/8" x 4.22 (2) fbc

1/2" x 1/2" x 1/2" (1) Ply flame box
 These holes to be subpunched to trail
 and covered in field after erected.

Girder - 153A Min. 8 Camber



These holes to be subpunched to trail and covered in field after erected.

End Stiffeners & Fills
 1L 3/2" x 5/8" x 0.625 (1) sbc H.S.
 1L do 15-22 (1) sbf F.S.
 1L do 15-42 (1) sbt H.S.
 1L do 15-42 (1) sbm F.S.
 1L do 15-42 (1) sbn F.S.
 1L do 15-42 (1) sbp F.S.
 1L do 15-42 (1) sbq F.S.
 1L do 15-42 (1) sbm F.S.
 1L do 15-42 (1) sbn F.S.
 1L do 15-42 (1) sbp F.S.
 1L do 15-42 (1) sbq F.S.
 1L do 15-42 (1) sbm F.S.
 1L do 15-42 (1) sbn F.S.
 1L do 15-42 (1) sbp F.S.
 1L do 15-42 (1) sbq F.S.

No Paint on & below these lines full length of girder except 1 coat to cover beam ends & 1 coat on ends of girders. Surfaces in contact with beam to be painted.

WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

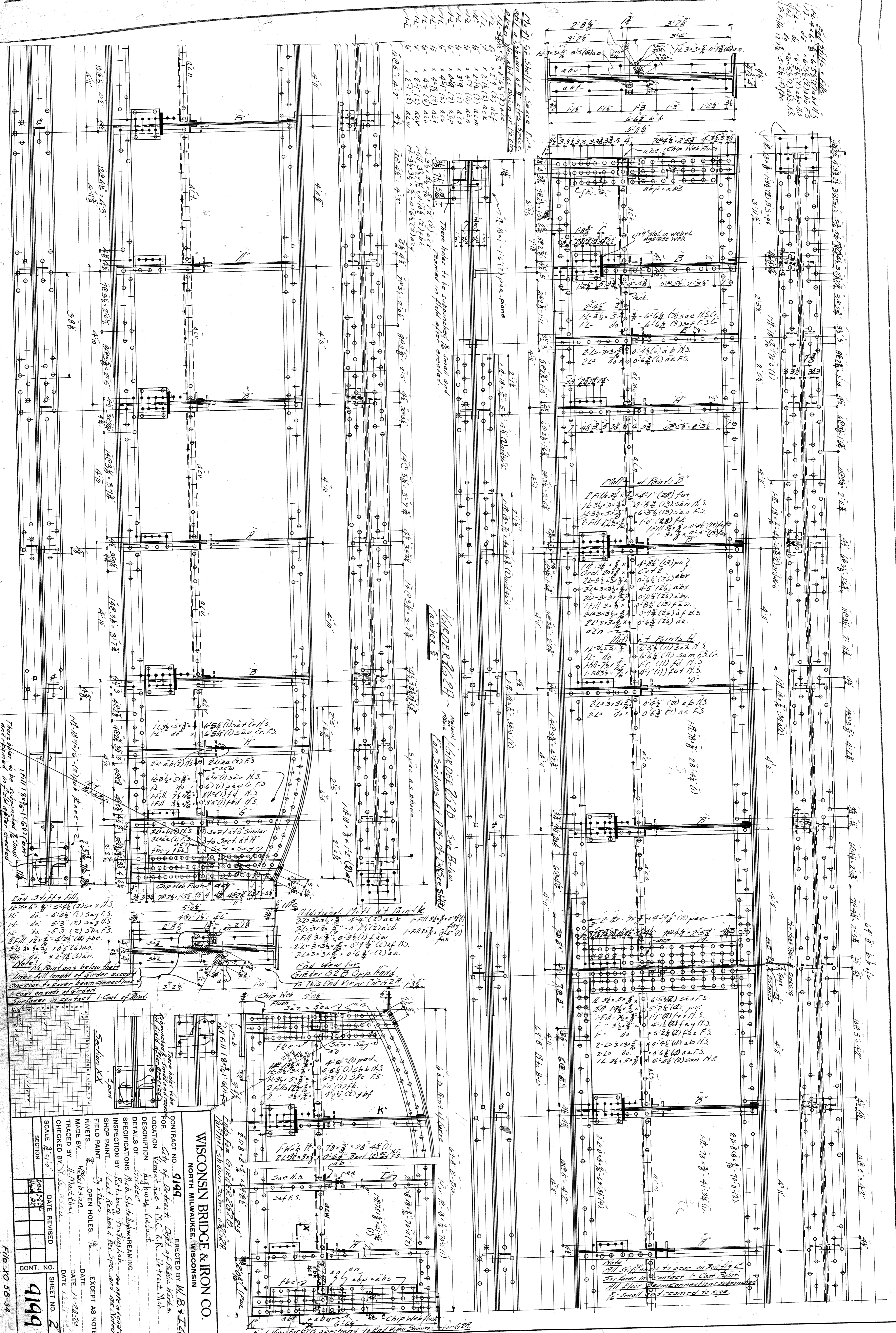
CONTRACT NO. 9199
 FOR CITY OF MILWAUKEE
 LOCATION VERMONT AVE & M.C.E.R.
 DESCRIPTION HIGHWAY BRIDGE
 DETAILS OF GIRDER
 SPECIFICATIONS AMERICAN INSTITUTE OF STEEL CONSTRUCTION
 INSPECTION BY MISSOURI TESTING LABS.
 SHOP PAINT 1-COAT RED LEAD AS PER SPEC. RECOMMENDED
 FIELD PAINT BY OTHERS

MADE BY W.L. GIBSON
 TRACED BY A.K.
 CHECKED BY R.L. GIBSON
 DATE 11-1-20

EXCEPT AS NOTED
 DATE 7-28-20
 DATE 11-2-20
 DATE 11-11-20

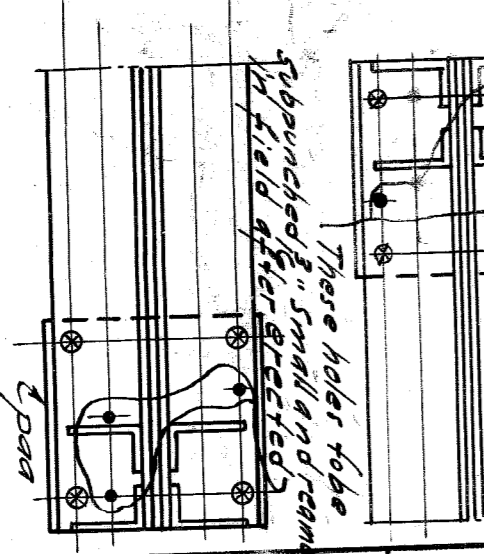
SCALE 3/4" = 1'-0"
 SHEET NO. 1

CONT. NO. 9199
 SECTION



End Stiff + Fills
 14-4 x 6 - 5'4" (2) sa x 11.5
 14-4 x 6 - 5'4" (2) sa x 11.5
 14-4 x 6 - 5'3" (2) sa x 11.5
 14-4 x 6 - 5'3" (2) sa x 11.5
 2-Fill 12x12 - 4'2" (2) ab
 3-6 x 3 x 3/8 - 10'5" (6) ao
 3-6 x 3 x 3/8 - 10'5" (6) ao
 3-6 x 3 x 3/8 - 10'5" (6) ao

Note:
 No paint on or below these
 lines full length of girder except
 one coat to cover beam connecting
 local ends of girder
 Surfaces in contact 1-Coat of paint



Additional Mat at Bank
 2-1/2 x 3/8 x 3/8 - 4'4" (2) acx
 2-1/2 x 3/8 x 3/8 - 0'11" (2) ad
 1-Fill 3x3 - 0'8" (1) fau
 2-1/2 x 3/8 x 3/8 - 0'9" (2) af B5
 2-1/2 x 3/8 x 3/8 - 0'6" (2) aa

End View for
 Girder 22 B Opp Hand
 to This End View For 52 R 13

Chip Web 50#
 5/16" x 3/8" x 1'0" (1) can
 5/16" x 3/8" x 1'0" (1) can

1-1/4" x 1/2" x 28'-4" (1)
 2-1/2" x 3/8" x 0'6" (2) aa F.S.
 2-1/2" x 3/8" x 0'6" (2) aa F.S.

1-1/4" x 1/2" x 28'-4" (1)
 2-1/2" x 3/8" x 0'6" (2) aa F.S.
 2-1/2" x 3/8" x 0'6" (2) aa F.S.

1-1/4" x 1/2" x 28'-4" (1)
 2-1/2" x 3/8" x 0'6" (2) aa F.S.
 2-1/2" x 3/8" x 0'6" (2) aa F.S.

1-1/4" x 1/2" x 28'-4" (1)
 2-1/2" x 3/8" x 0'6" (2) aa F.S.
 2-1/2" x 3/8" x 0'6" (2) aa F.S.

1-1/4" x 1/2" x 28'-4" (1)
 2-1/2" x 3/8" x 0'6" (2) aa F.S.
 2-1/2" x 3/8" x 0'6" (2) aa F.S.

CONTRACT NO.	9199
ERECTED BY	W.B. & I. Co
FOR	City of Detroit, Dept of Public Works
LOCATION	Vernon Ave & N. K. R. Detroit, Mich.
DESCRIPTION	Highways (duct)
DETAILS OF	Girders
SPECIFICATIONS	Mich. State Highway REMAINING
INSPECTION BY	Rittsburg Testing Lab. - member of your shop
SHOP PAINT	Lead Red lead per spec. and as noted
RIVERS	By others
FIELD PAINT	As noted
MADE BY	H. J. Gibson
TRACED BY	H. J. Gibson
CHECKED BY	H. J. Gibson
SCALE	3/8" = 1'-0"
DATE REVISION	
CONT. NO.	1
SHEET NO.	2

WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE WISCONSIN

These holes to be subpunched 1/8" small and
 reamed in field after erected.

These holes to be subpunched 1/8" small and
 reamed in field after erected.

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 reamed in field after erected.

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 reamed in field after erected.

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 reamed in field after erected.

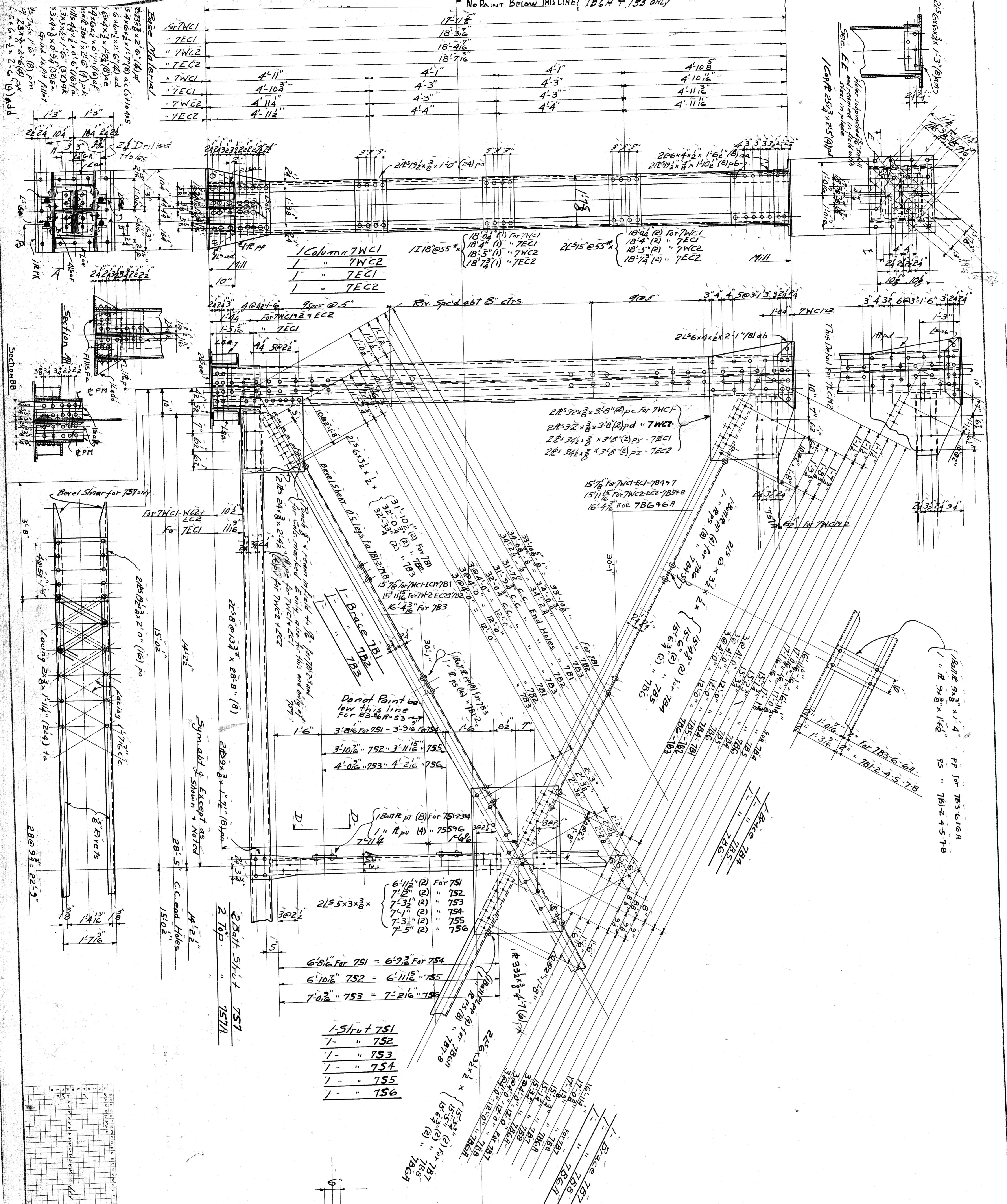
These holes to be subpunched 1/8" small and
 reamed in field after erected.

These holes to be subpunched 1/8" small and
 reamed in field after erected.

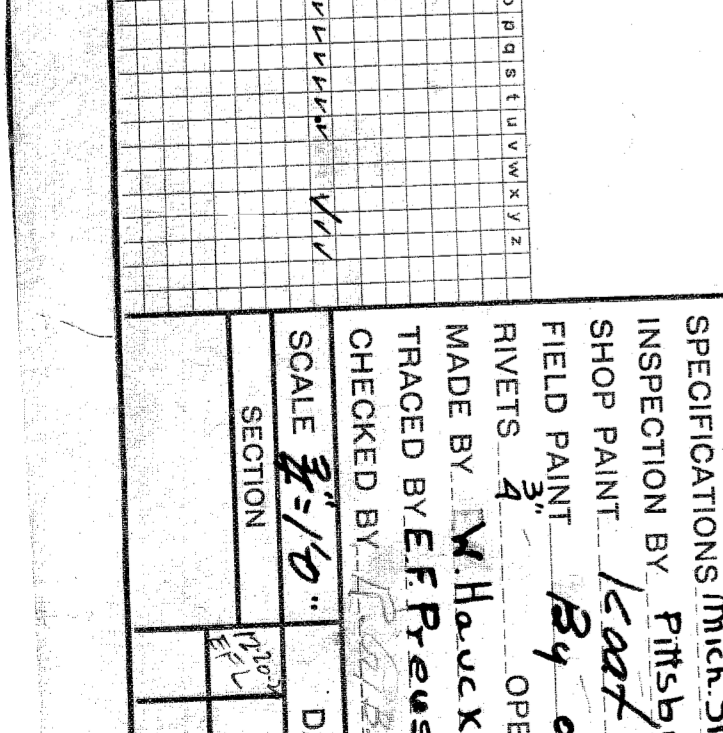
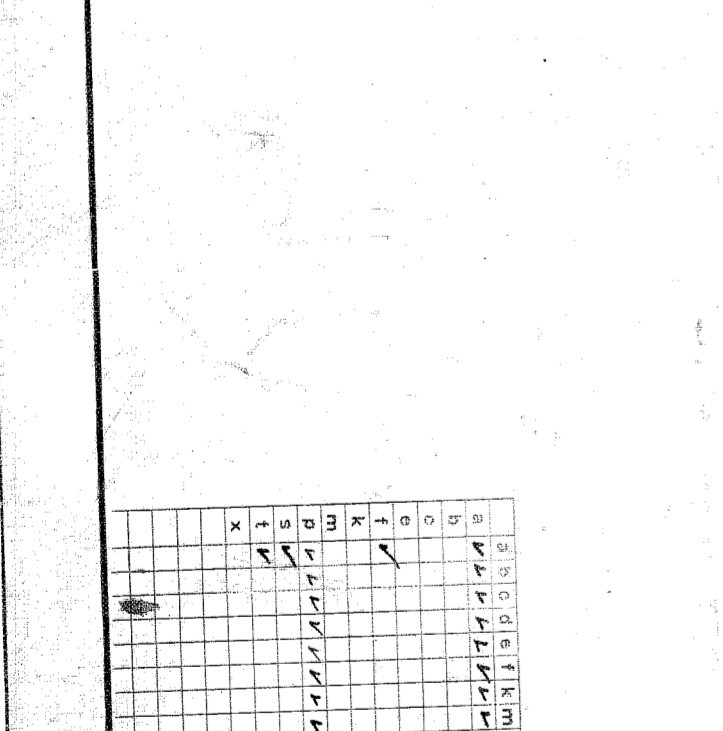
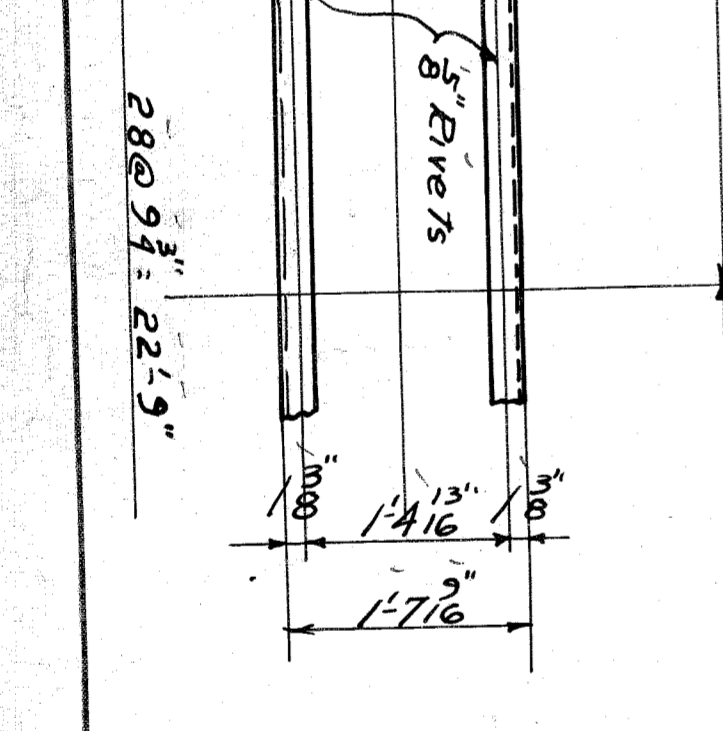
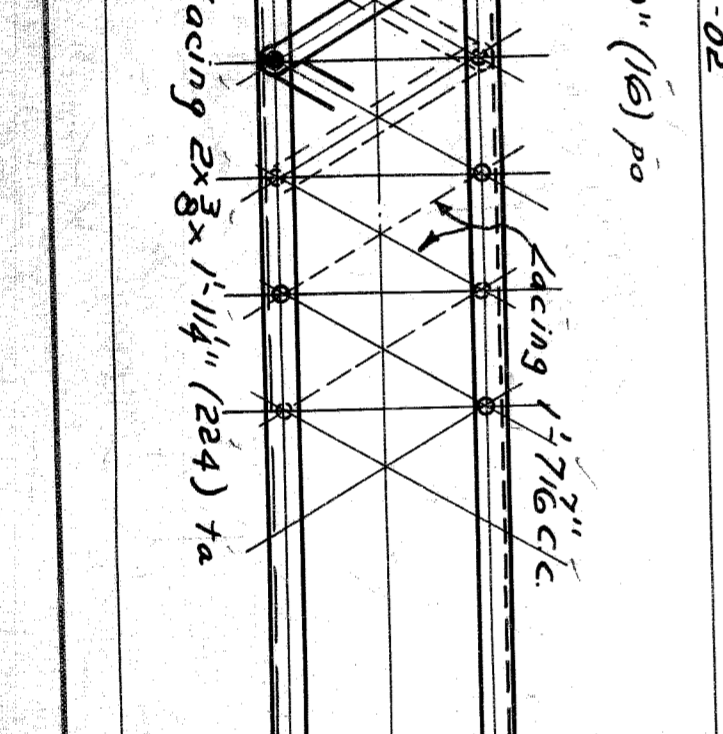
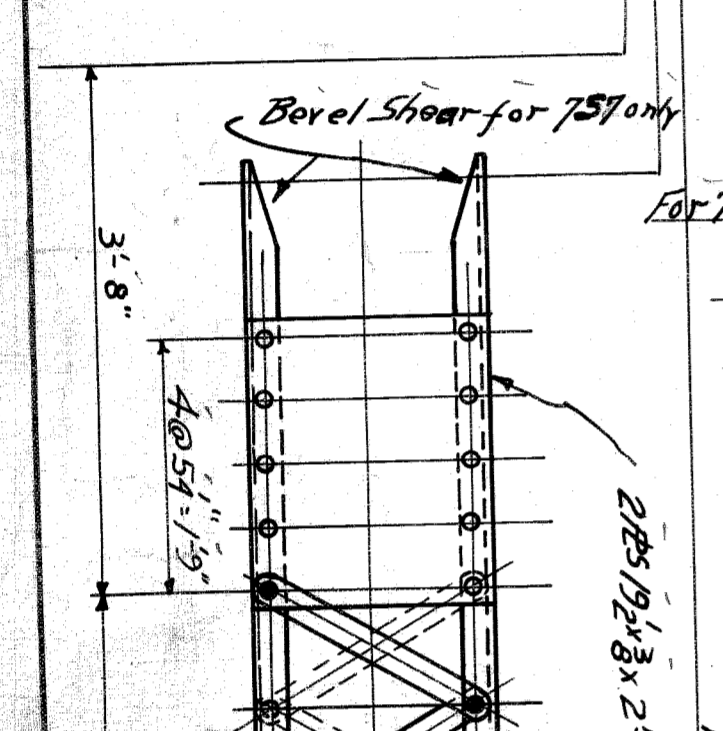
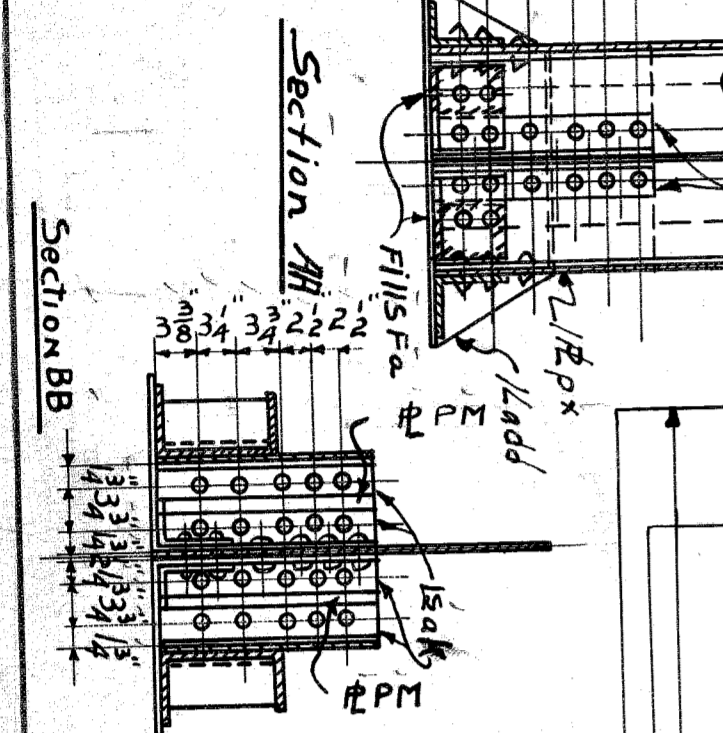
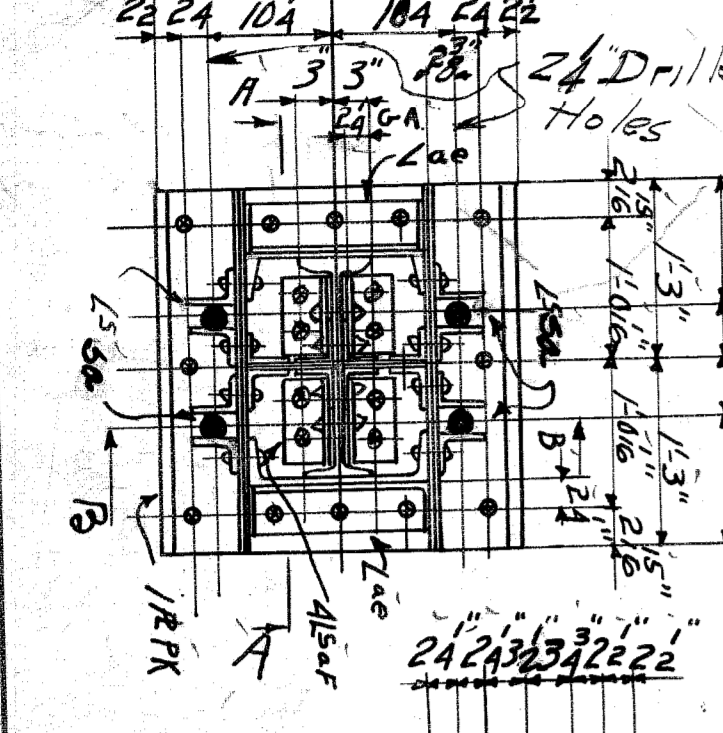
These holes to be subpunched 1/8" small and
 reamed in field after erected.

THIS APPLIES TO 7B3
7B6A + 759 ONLY

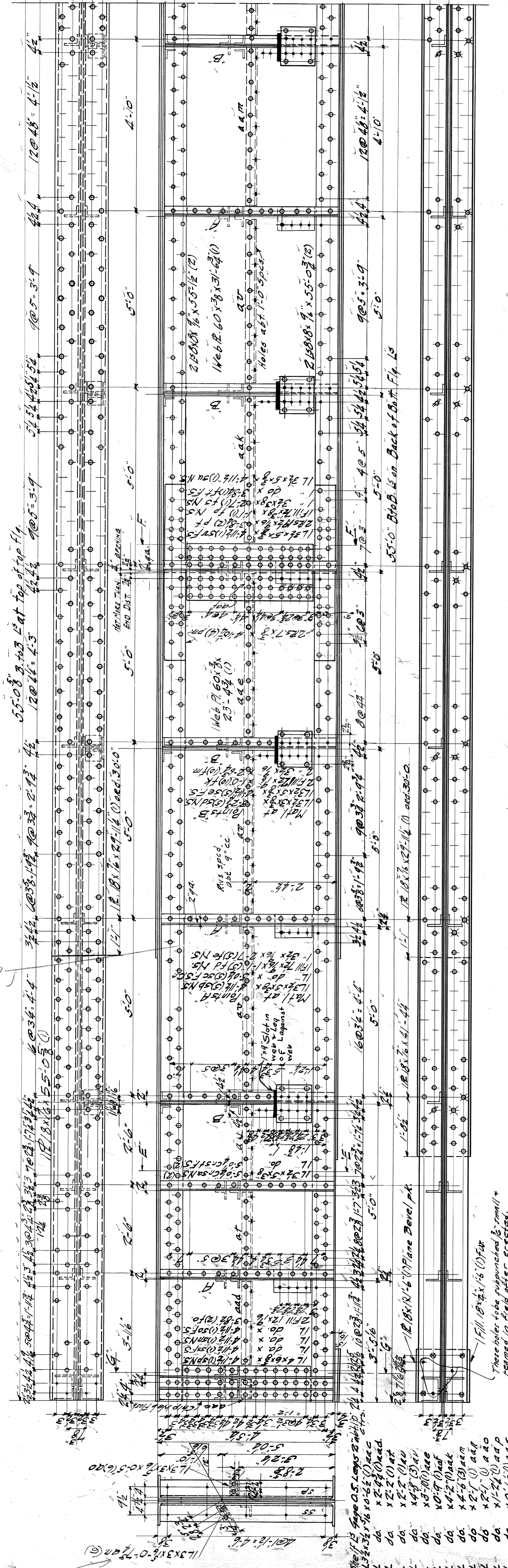
NO PAINT BELOW THIS LINE



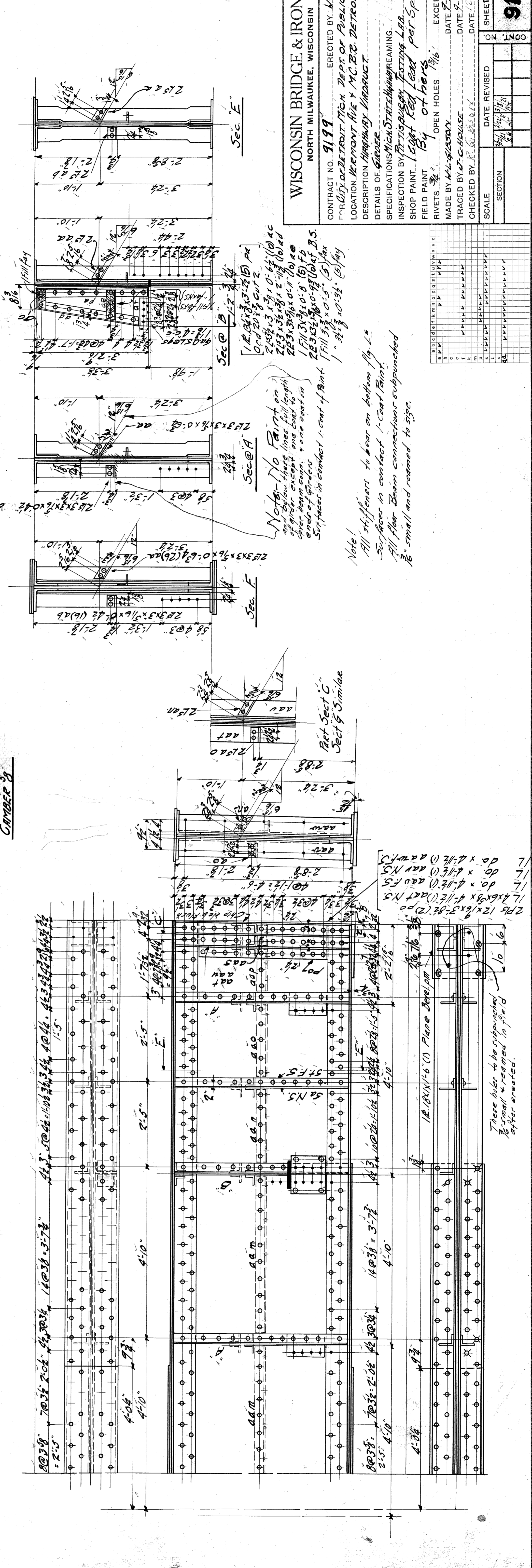
- BASE MATERIAL**
- 17'-11 1/2"
 - 18'-3 1/2"
 - 18'-4 1/2"
 - 18'-7 1/2"
 - 4'-11"
 - 4'-10 1/8"
 - 4'-10 1/16"
 - 4'-11 1/16"
 - 4'-11"
 - 4'-3"
 - 4'-3"
 - 4'-3"
 - 4'-4"
 - 4'-11"
 - 4'-10 1/8"
 - 4'-10 1/16"
 - 4'-11 1/16"
 - 4'-11"
 - 4'-3"
 - 4'-3"
 - 4'-4"



No	Description	Mark	Bill
1	Column	7WCI	M7A
2	"	7WCI	M7B
3	"	7WCI	M7C
4	"	7WCI	M7D
5	"	7WCI	M7E
6	"	7WCI	M7F
7	"	7WCI	M7G
8	"	7WCI	M7H
9	"	7WCI	M7I
10	"	7WCI	M7J
11	"	7WCI	M7K
12	"	7WCI	M7L
13	"	7WCI	M7M
14	"	7WCI	M7N
15	"	7WCI	M7O
16	"	7WCI	M7P
17	"	7WCI	M7Q
18	"	7WCI	M7R
19	"	7WCI	M7S
20	"	7WCI	M7T
21	"	7WCI	M7U
22	"	7WCI	M7V
23	"	7WCI	M7W
24	"	7WCI	M7X
25	"	7WCI	M7Y
26	"	7WCI	M7Z
27	"	7WCI	M7AA
28	"	7WCI	M7AB
29	"	7WCI	M7AC
30	"	7WCI	M7AD
31	"	7WCI	M7AE
32	"	7WCI	M7AF
33	"	7WCI	M7AG
34	"	7WCI	M7AH
35	"	7WCI	M7AI
36	"	7WCI	M7AJ
37	"	7WCI	M7AK
38	"	7WCI	M7AL
39	"	7WCI	M7AM
40	"	7WCI	M7AN
41	"	7WCI	M7AO
42	"	7WCI	M7AP
43	"	7WCI	M7AQ
44	"	7WCI	M7AR
45	"	7WCI	M7AS
46	"	7WCI	M7AT
47	"	7WCI	M7AU
48	"	7WCI	M7AV
49	"	7WCI	M7AW
50	"	7WCI	M7AX
51	"	7WCI	M7AY
52	"	7WCI	M7AZ
53	"	7WCI	M7BA
54	"	7WCI	M7BB
55	"	7WCI	M7BC
56	"	7WCI	M7BD
57	"	7WCI	M7BE
58	"	7WCI	M7BF
59	"	7WCI	M7BG
60	"	7WCI	M7BH
61	"	7WCI	M7BI
62	"	7WCI	M7BJ
63	"	7WCI	M7BK
64	"	7WCI	M7BL
65	"	7WCI	M7BM
66	"	7WCI	M7BN
67	"	7WCI	M7BO
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69	"	7WCI	M7BQ
70	"	7WCI	M7BR
71	"	7WCI	M7BS
72	"	7WCI	M7BT
73	"	7WCI	M7BU
74	"	7WCI	M7BV
75	"	7WCI	M7BW
76	"	7WCI	M7BX
77	"	7WCI	M7BY
78	"	7WCI	M7BZ
79	"	7WCI	M7CA
80	"	7WCI	M7CB
81	"	7WCI	M7CC
82	"	7WCI	M7CD
83	"	7WCI	M7CE
84	"	7WCI	M7CF
85	"	7WCI	M7CG
86	"	7WCI	M7CH
87	"	7WCI	M7CI
88	"	7WCI	M7CJ
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91	"	7WCI	M7CM
92	"	7WCI	M7CN
93	"	7WCI	M7CO
94	"	7WCI	M7CP
95	"	7WCI	M7CQ
96	"	7WCI	M7CR
97	"	7WCI	M7CS
98	"	7WCI	M7CT
99	"	7WCI	M7CU
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101	"	7WCI	M7CW
102	"	7WCI	M7CX
103	"	7WCI	M7CY
104	"	7WCI	M7CZ
105	"	7WCI	M7DA
106	"	7WCI	M7DB
107	"	7WCI	M7DC
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111	"	7WCI	M7DG
112	"	7WCI	M7DH
113	"	7WCI	M7DI
114	"	7WCI	M7DJ
115	"	7WCI	M7DK
116	"	7WCI	M7DL
117	"	7WCI	M7DM
118	"	7WCI	M7DN
119	"	7WCI	M7DO
120	"	7WCI	M7DP
121	"	7WCI	M7DQ
122	"	7WCI	M7DR
123	"	7WCI	M7DS
124	"	7WCI	M7DT
125	"	7WCI	M7DU
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201	"	7WCI	M7GS
202	"	7WCI	M7GT
203	"	7WCI	M7GU
204	"	7WCI	M7GV
205	"	7WCI	M7GW
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218	"	7WCI	M7HJ
219	"	7WCI	M7HK
220	"	7WCI	M7HL
221	"	7WCI	M7HM
222	"	7WCI	M7HN
223	"	7WCI	M7HO
224	"	7WCI	M7HP
225	"	7WCI	M7HQ
226	"	7WCI	M7HR
227	"	7WCI	M7HS
228	"	7WCI	M7HT
229	"	7WCI	M7HU
230	"	7WCI	M7HV
231	"	7WCI	M7HW
232	"	7WCI	M7HX
233	"	7WCI	M7HY
234	"	7WCI	M7HZ
235	"	7WCI	M7IA
236	"	7WCI	M7IB
237	"	7WCI	M7IC
238	"	7WCI	M7ID
239	"	7WCI	M7IE
240	"	7WCI	M7IF
241	"	7WCI	M7IG
242	"	7WCI	M7IH
243	"	7WCI	M7II
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245	"	7WCI	M7IK
246	"	7WCI	M7IL
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249	"	7WCI	M7IO
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252	"	7WCI	M7IR
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281	"	7WCI	M7JU
282	"	7WCI	M7JV
283	"	7WCI	M7JW
284	"	7WCI	M7JX
285	"	7WCI	M7JY
286	"	7WCI	M7JZ
287	"	7WCI	M7KA
288	"	7WCI	M7KB



ONE GIRDER 945
 NUMBER 3



WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 9199
 ERECTED BY W.B.I.CO.
 CITY OF DETROIT MICH. DEPT. OF PUBLIC WORKS
 LOCATION VEYONT AVE & M.C.B.D. DETROIT

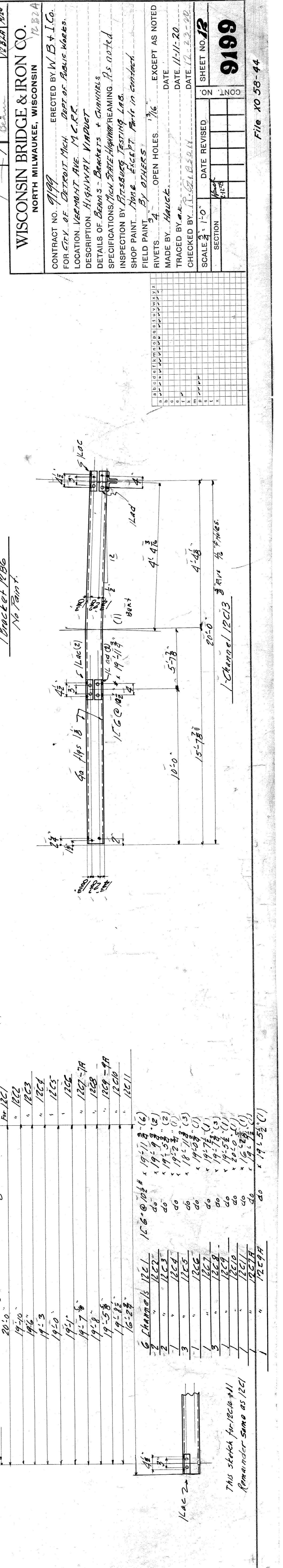
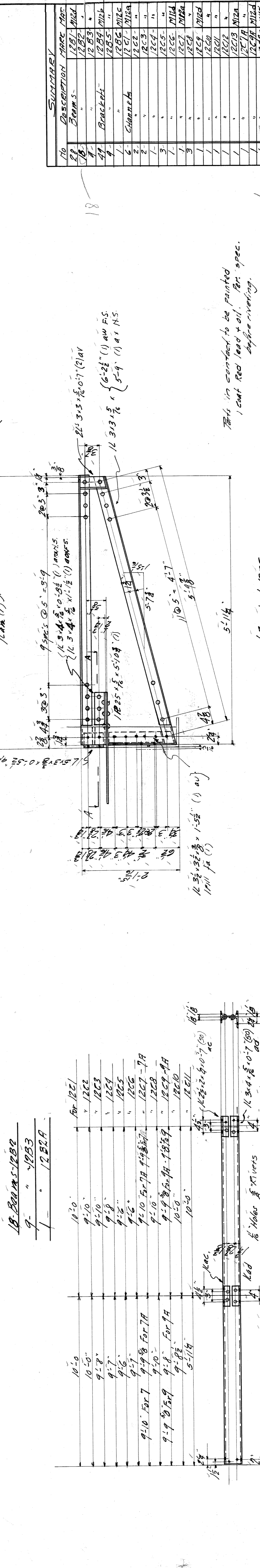
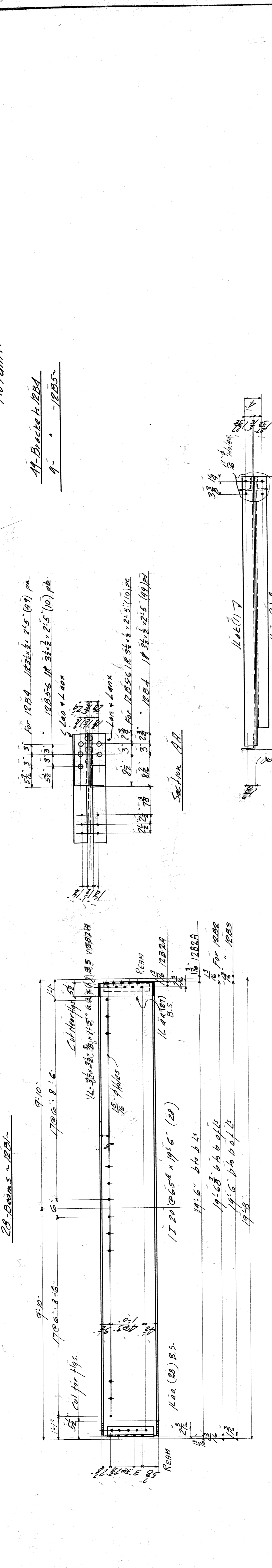
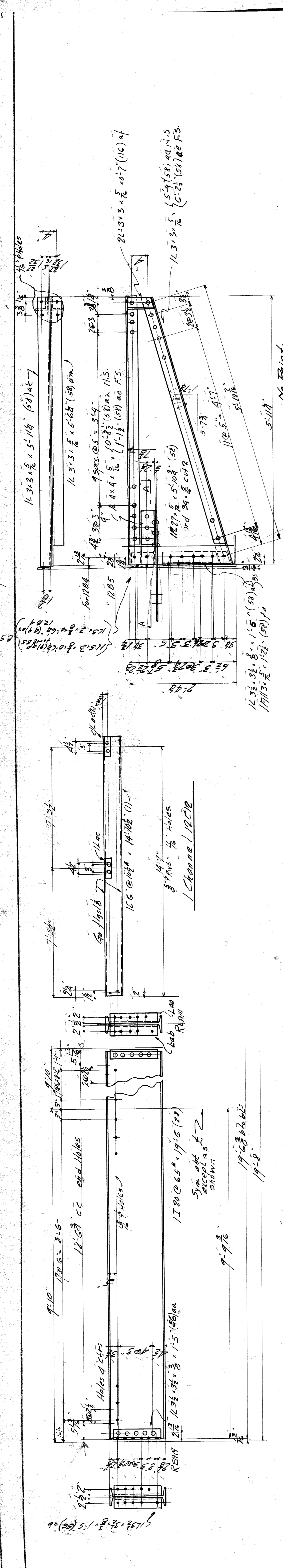
DESCRIPTION HIGHWAY VIADUCT
 DETAILS OF GIRDER

SPECIFICATIONS MICH. STATE HIGHWAY DEPT.
 INSPECTION BY P. T. SPURGEY TESTING LAB.
 SHOP PAINT 1 coat Red Lead per Spec. see M4c
 FIELD PAINT 1 1/2 coats
 RIVETS 3/4" OPEN HOLES 1 1/2"
 MADE BY A.L. GARDNER
 DATE 7-16-20
 TRACED BY C. HOUSE
 DATE 7-16-20
 CHECKED BY R. G. B. S. R. S.
 DATE 7-16-20

SCALE SECTION
 DATE REVISED
 SHEET NO. 9

EXCEPT AS NOTED
 DATE 7-16-20
 DATE 7-16-20
 DATE 7-16-20

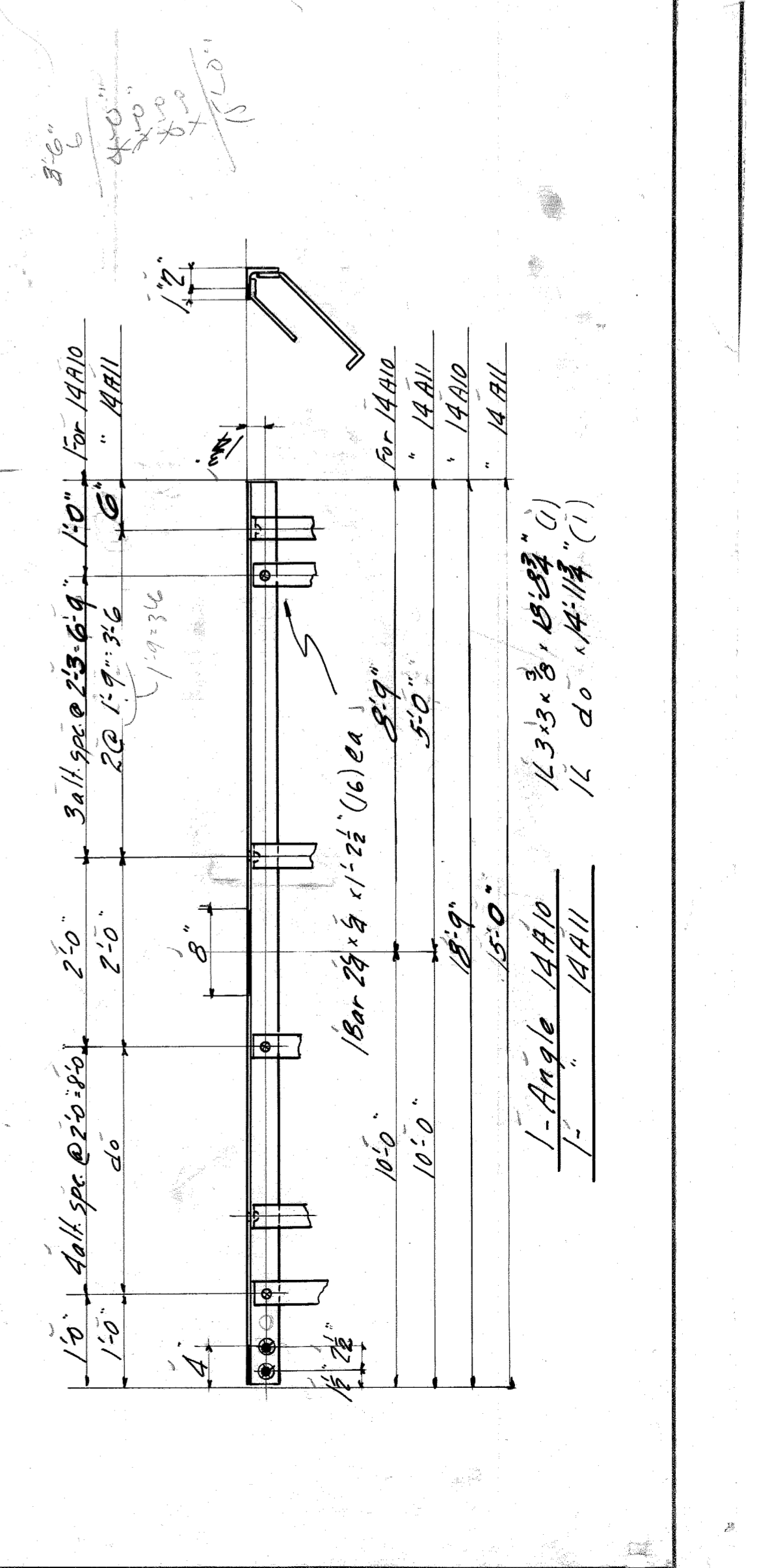
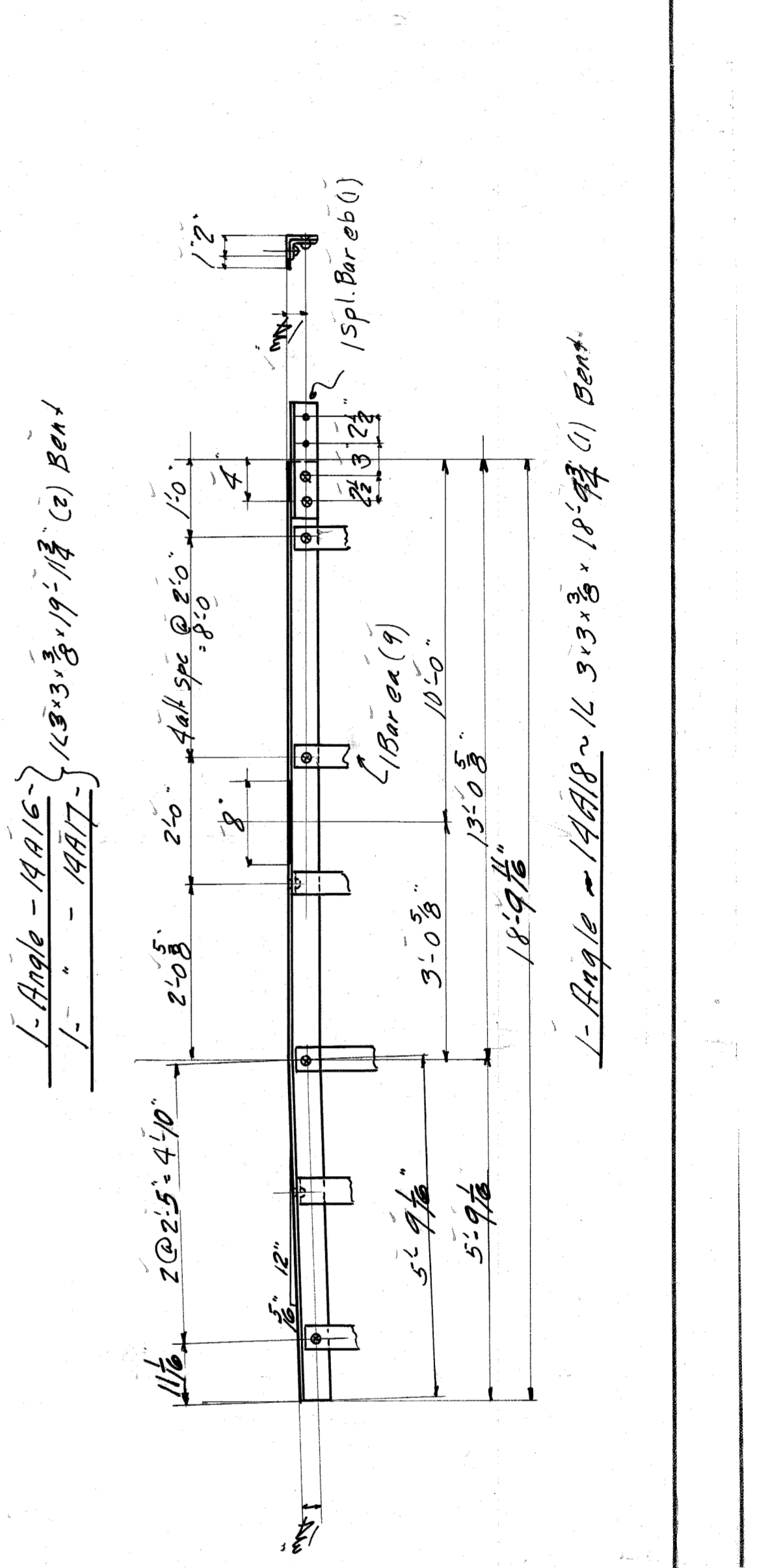
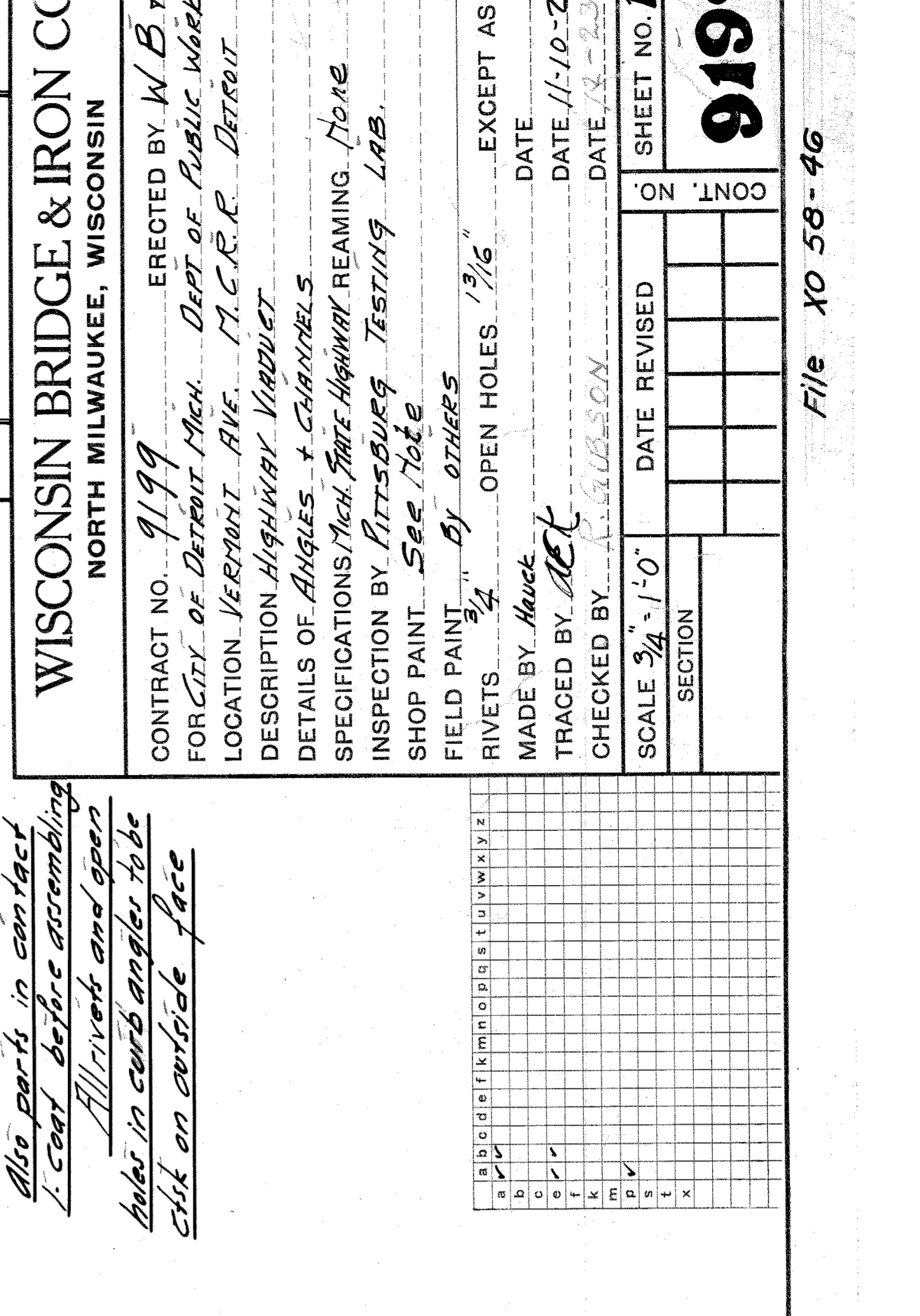
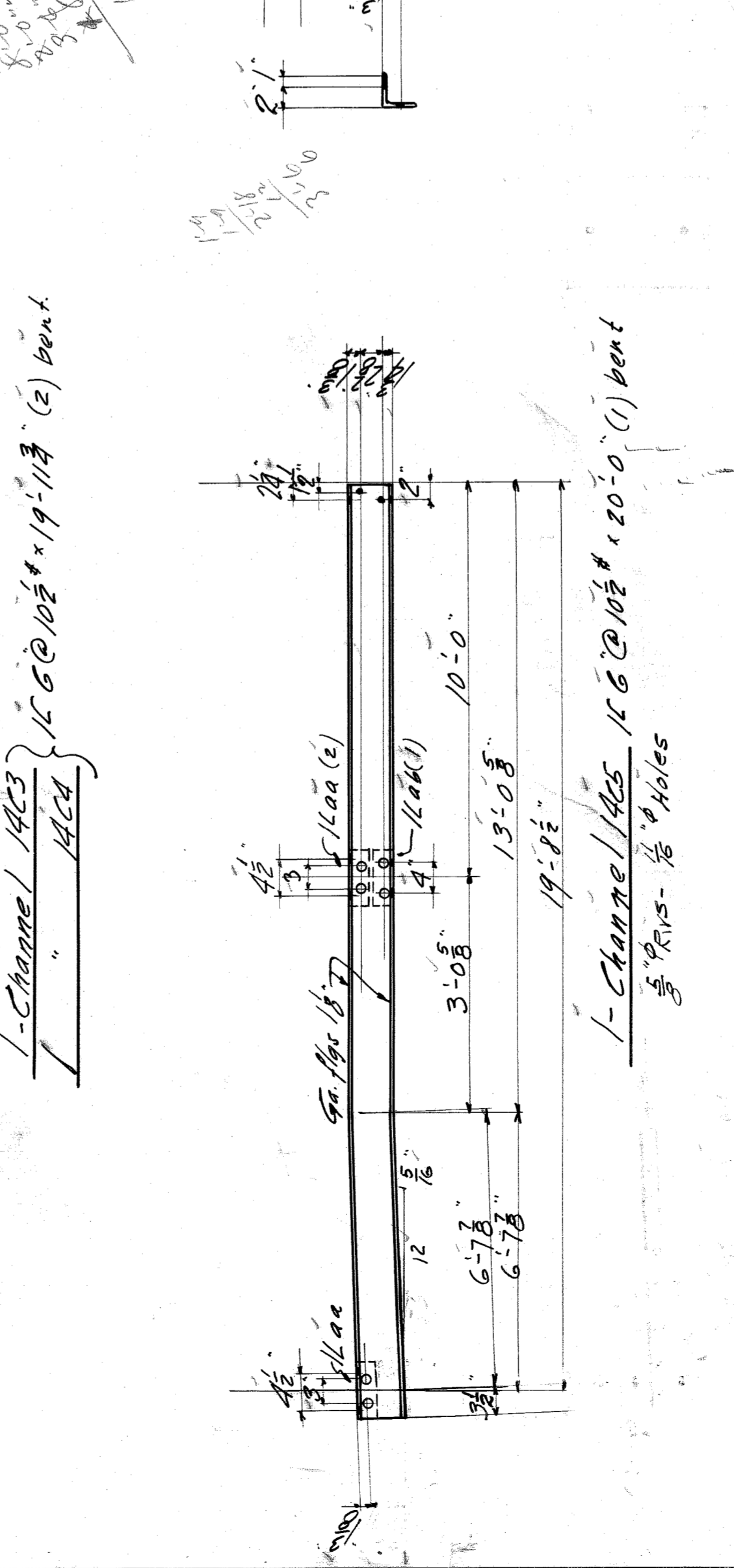
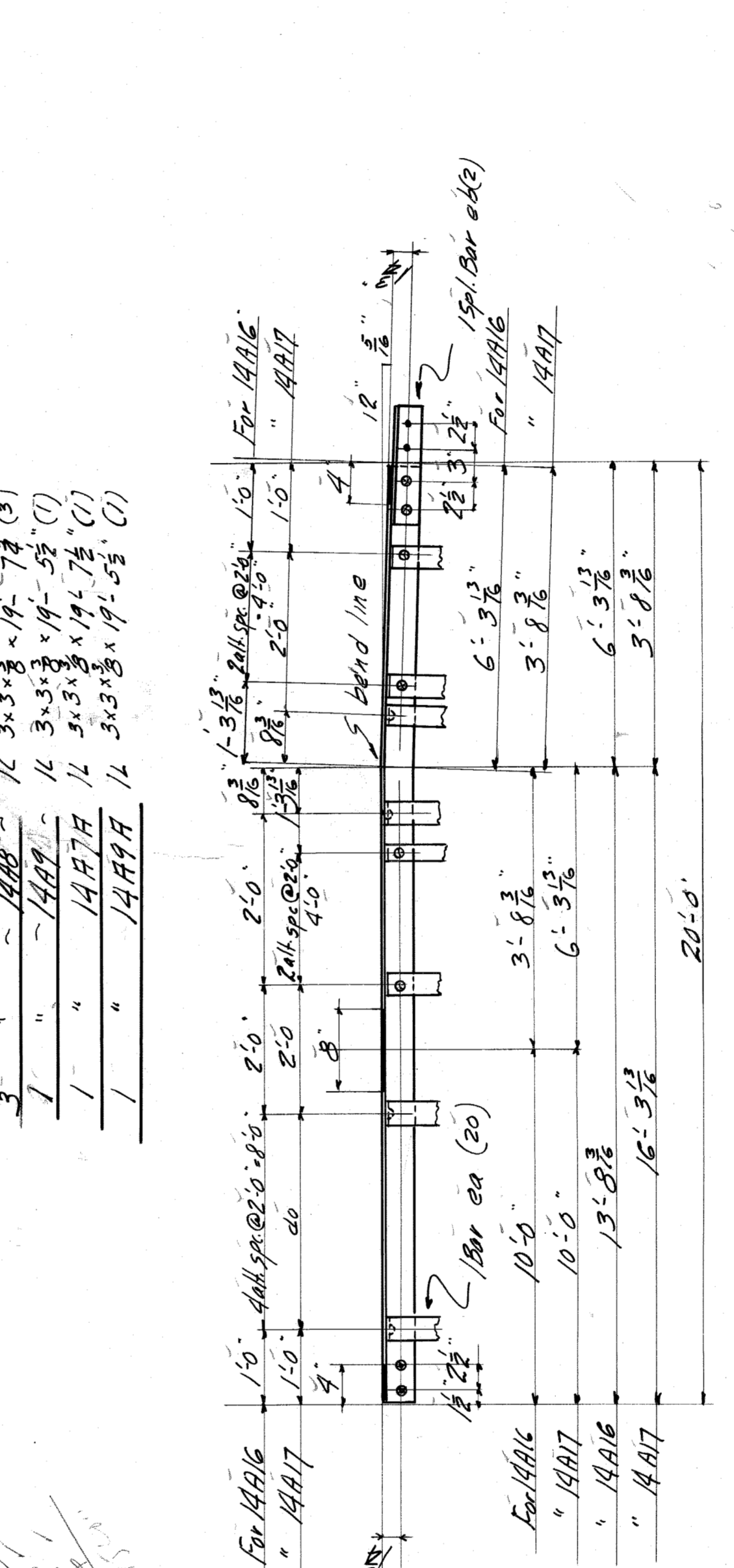
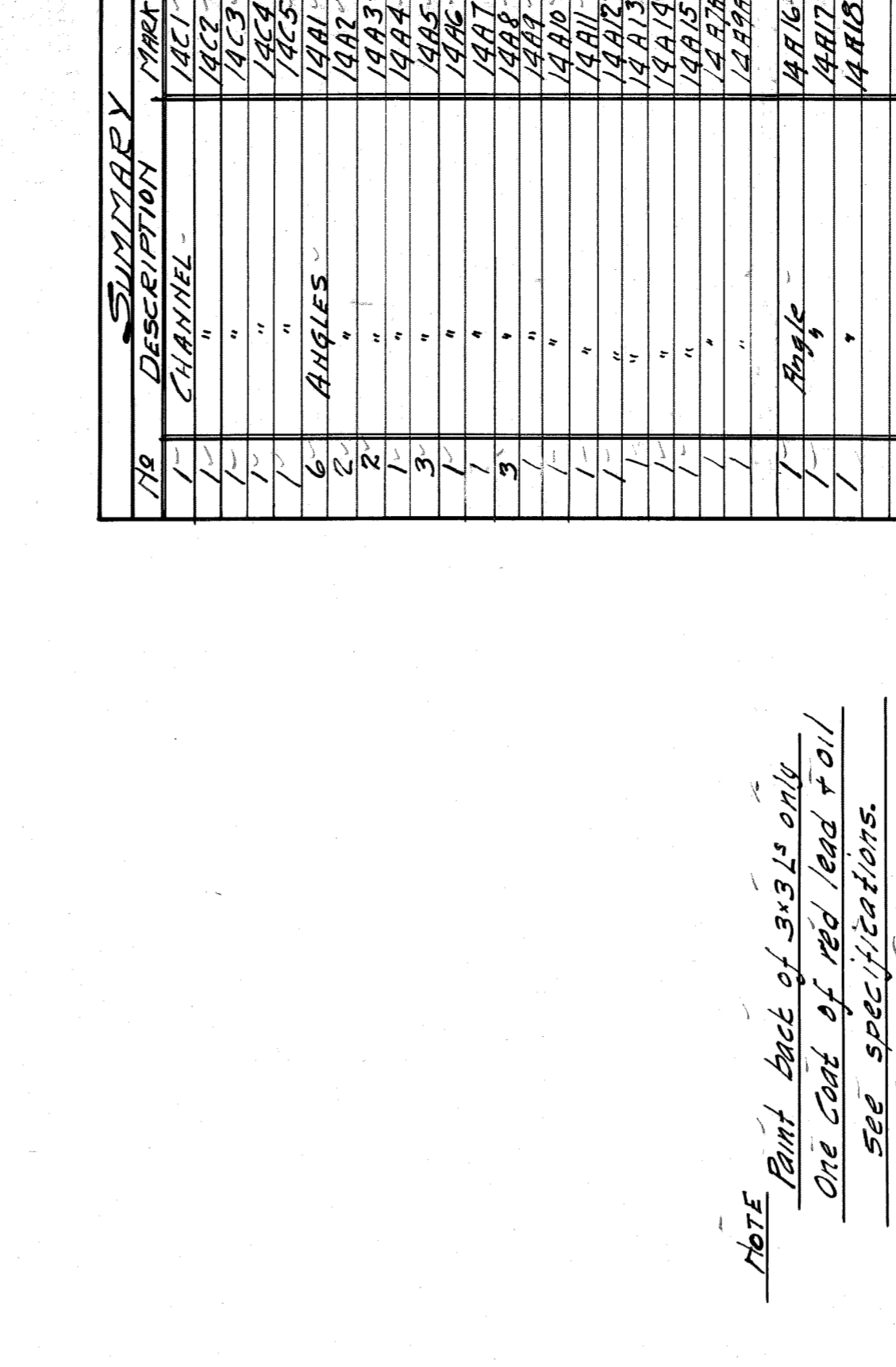
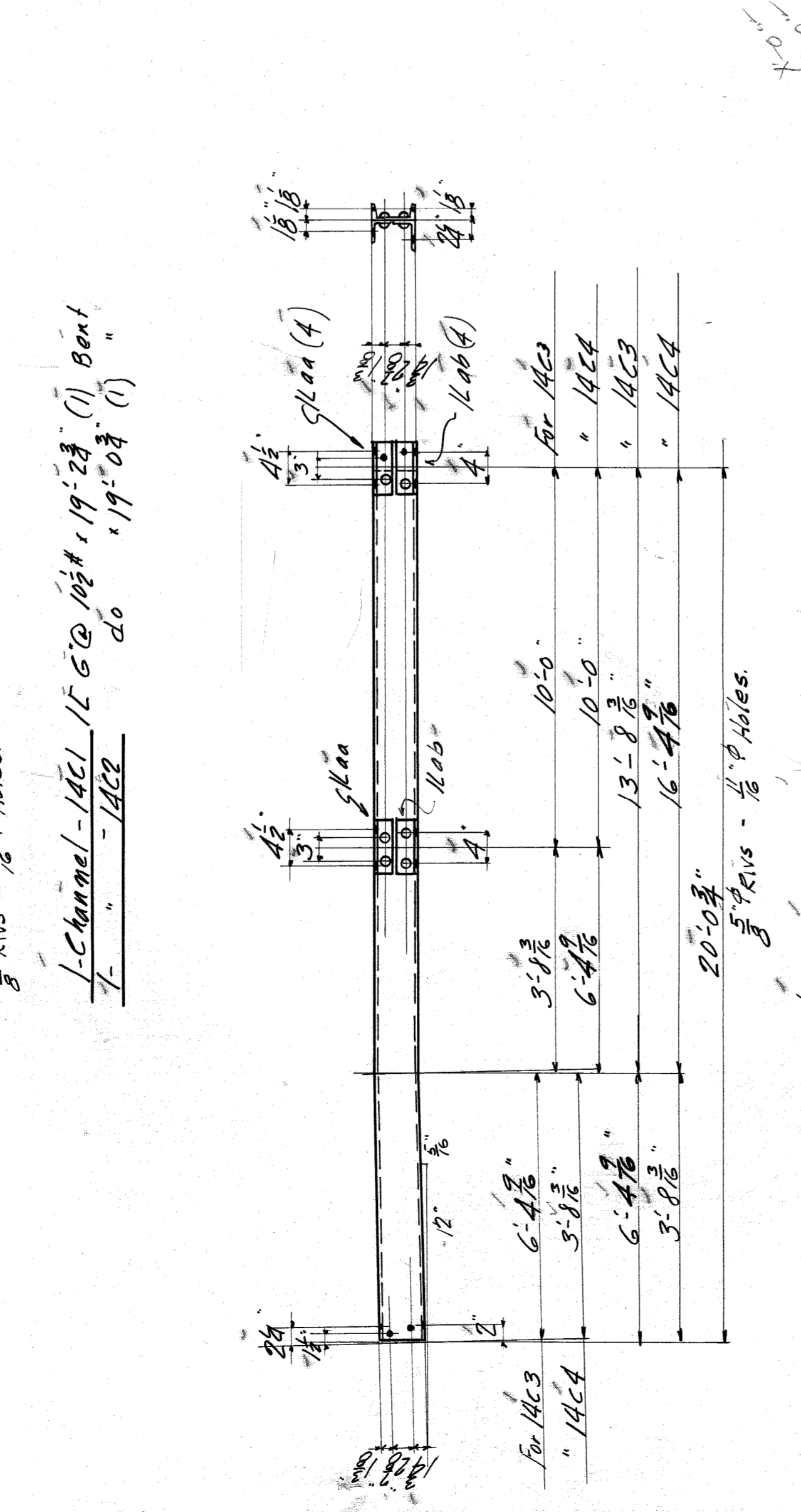
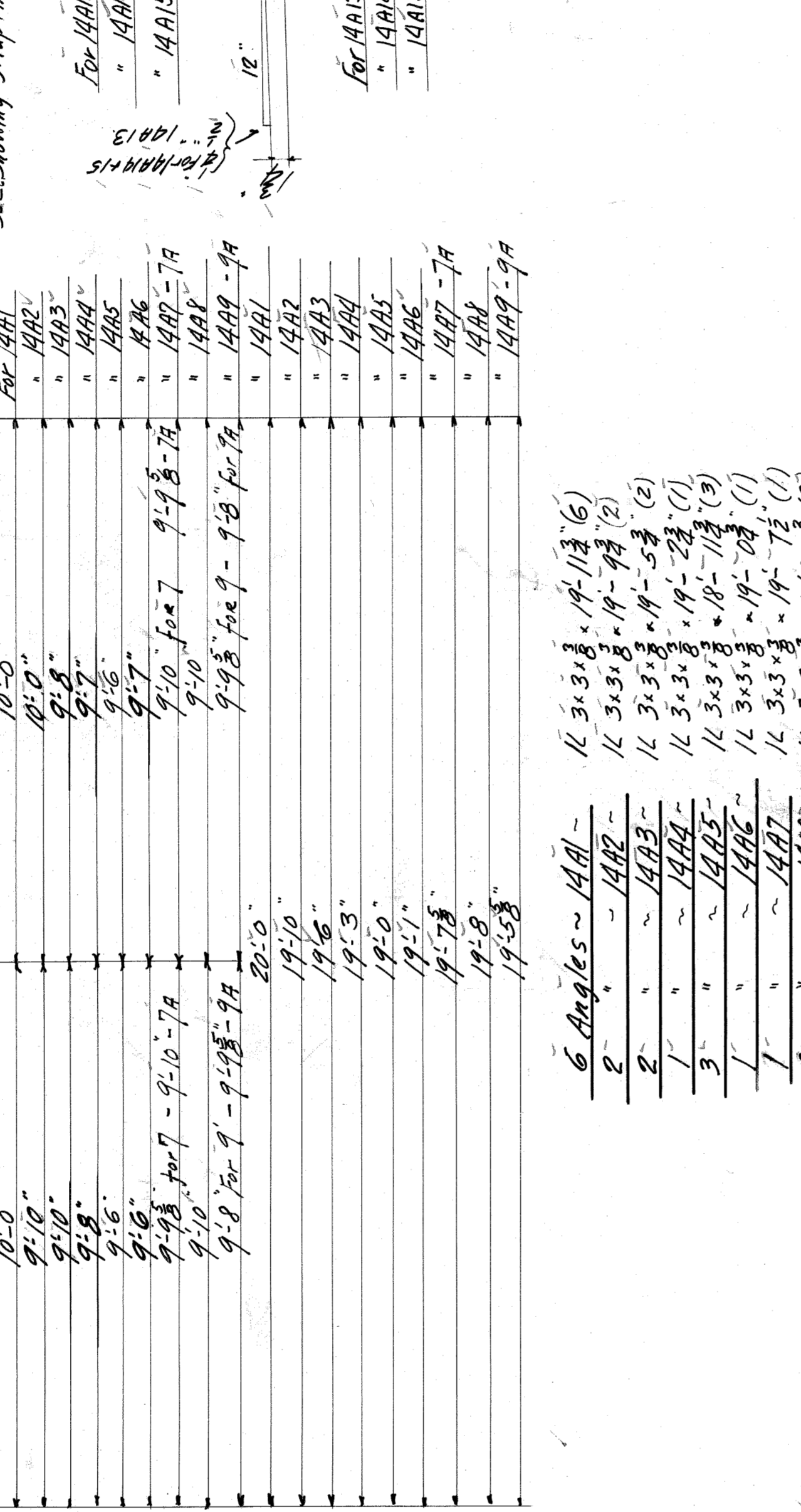
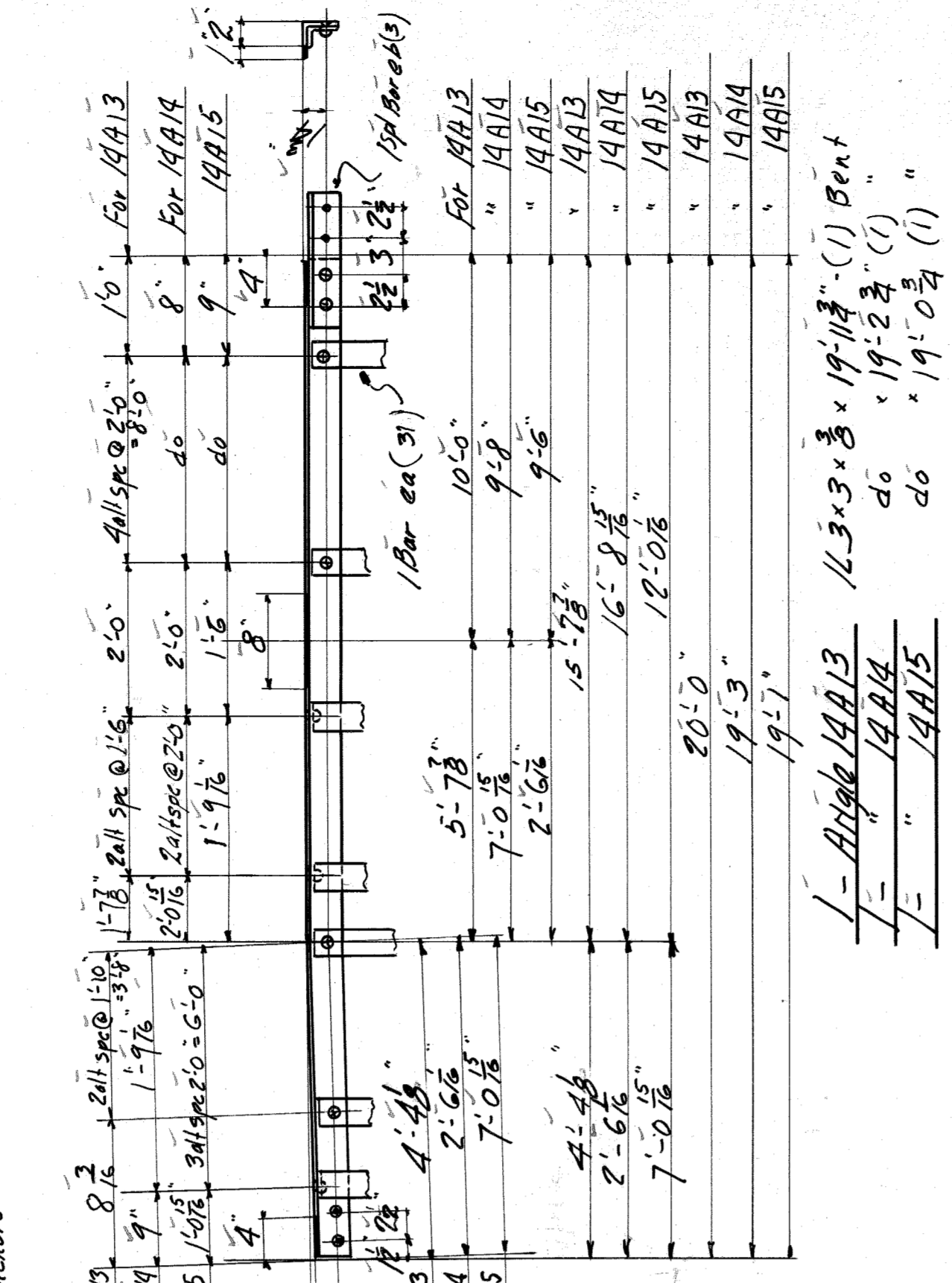
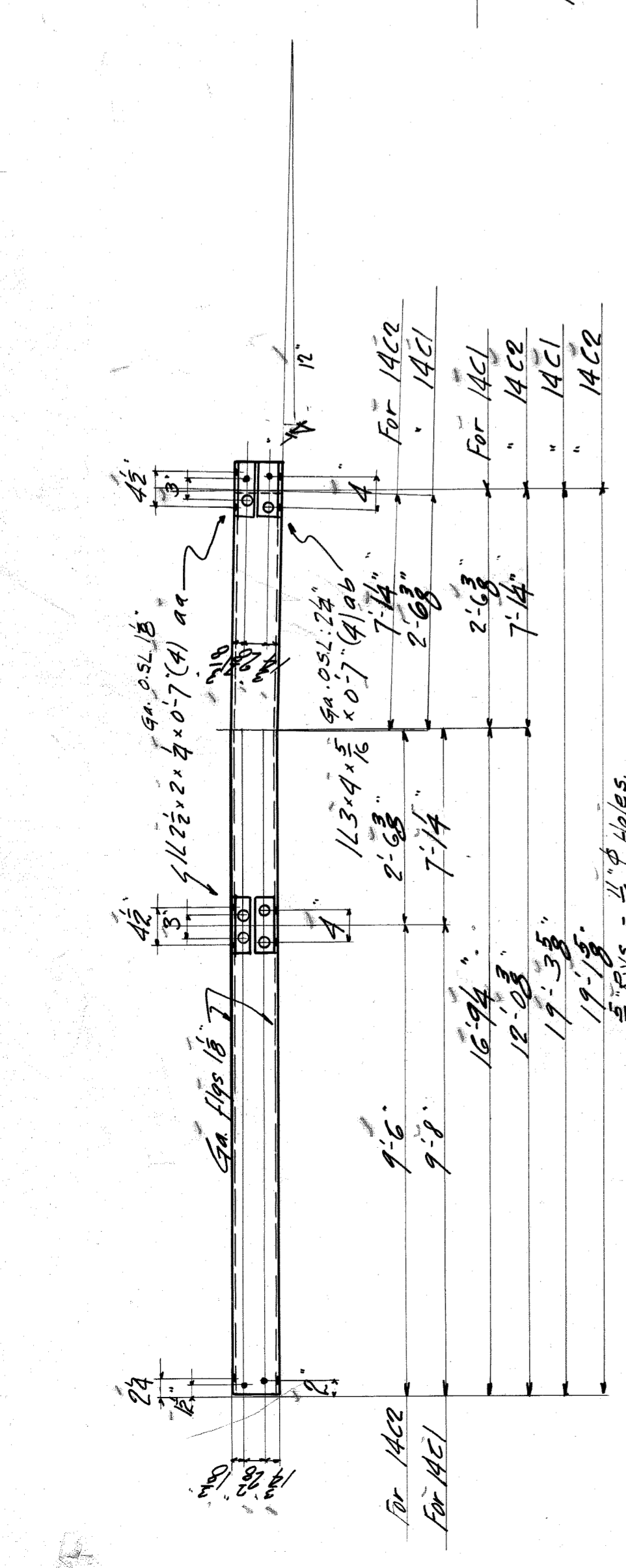
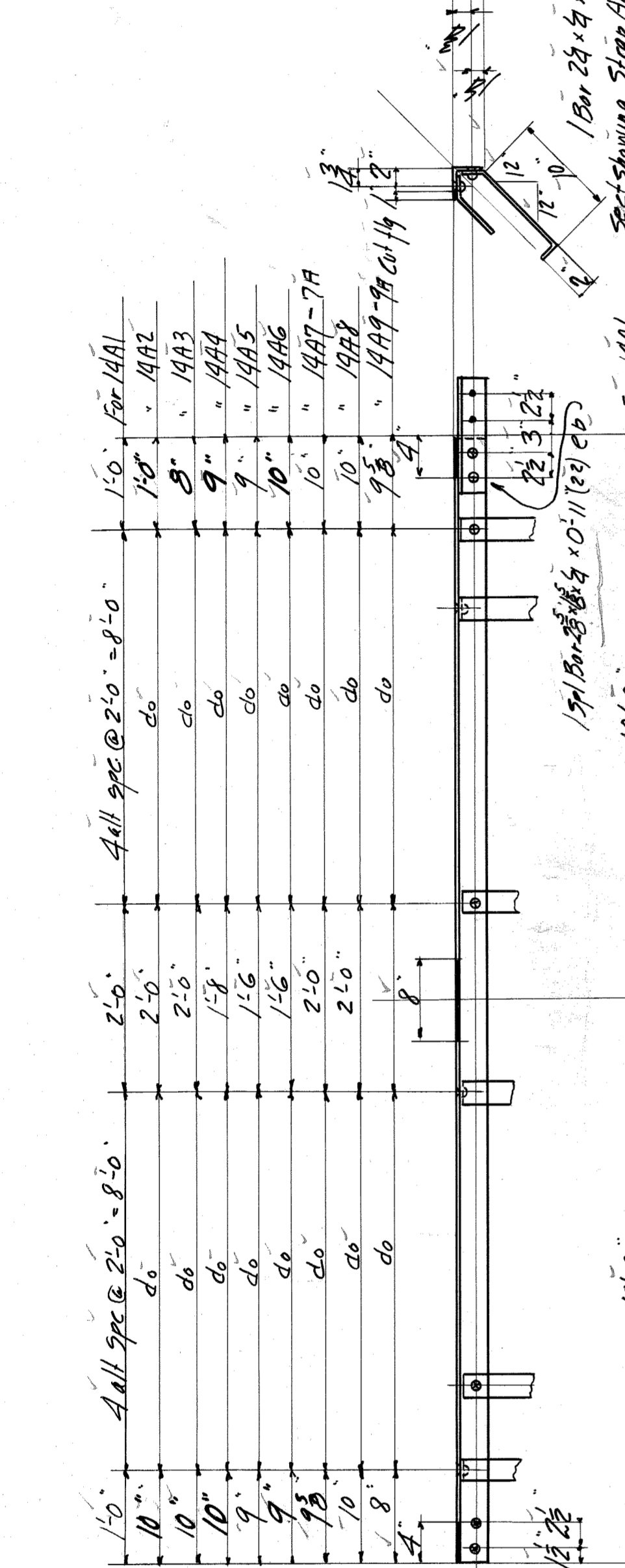
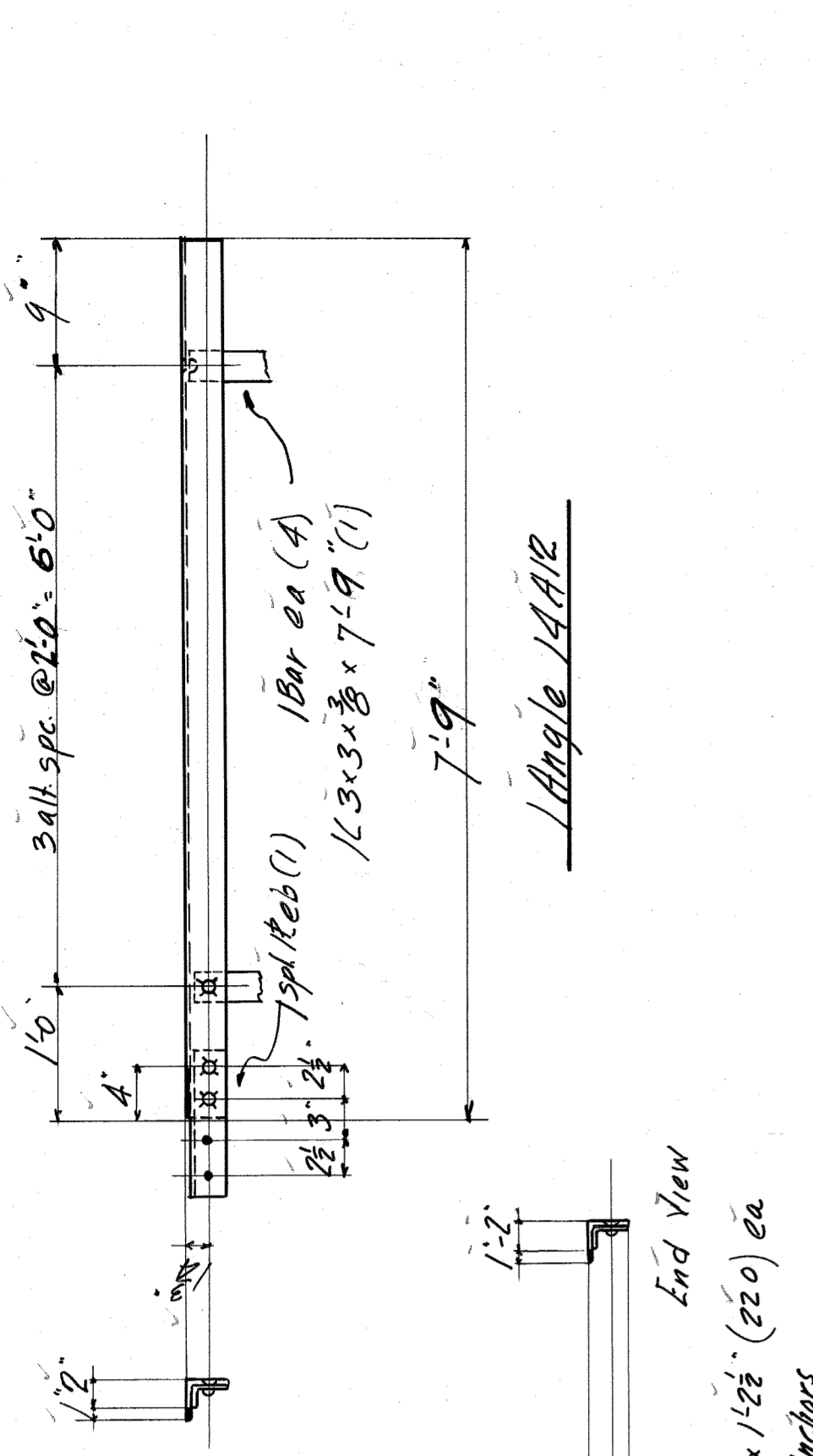
9199
 File 10 58-91



No	Description	Part	Mat
1	Beam	12B56	12B56
2	Beam	12B55	12B55
3	Beam	12B54	12B54
4	Beam	12B53	12B53
5	Channel	12C11	12C11
6	Channel	12C10	12C10
7	Channel	12C9	12C9
8	Channel	12C8	12C8
9	Channel	12C7	12C7
10	Channel	12C6	12C6
11	Channel	12C5	12C5
12	Channel	12C4	12C4
13	Channel	12C3	12C3
14	Channel	12C2	12C2
15	Channel	12C1	12C1

WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN 53224

CONTRACT NO. 9199
 ERCTED BY W.B. & I. Co.
 FOR CITY OF DETROIT MICH. DEPT. OF PUBLIC WORKS.
 LOCATION VERMONT AVE. M.C.R.R.
 DESCRIPTION HIGHWAY VIADUCT
 DETAILS OF BEAMS - BRACKETS & CHANNELS
 SPECIFICATIONS/NOT STATE HIGHWAY DEPT. AS NOTED
 INSPECTION BY PRESSBURG TESTING LAB.
 SHOP PAINT - NONE EXCEPT FABRICATION PAINT.
 FIELD PAINT - BY OTHERS.
 RIVETS - 3/4" OPEN HOLES. 3/8" EXCEPT AS NOTED
 MADE BY - HAWK.
 TRACED BY - HAWK.
 CHECKED BY - J. L. B. S. O. L. Y.
 SCALE 3/4" = 1'-0"
 SECTION 1157
 DATE REVISION 11-11-20
 DATE 11-11-20
 SHEET NO. 13
 9199



NO	DESCRIPTION	MARK	DATE
1	CHANNEL	14C1	1944
2	"	14C2	"
3	"	14C3	"
4	"	14C4	"
5	"	14C5	"
6	ANGLES	14A1	1944
7	"	14A2	"
8	"	14A3	"
9	"	14A4	"
10	"	14A5	"
11	"	14A6	"
12	"	14A7	"
13	"	14A8	"
14	"	14A9	"
15	"	14A10	"
16	"	14A11	"
17	"	14A12	"
18	"	14A13	"
19	"	14A14	"
20	"	14A15	"
21	"	14A16	"
22	"	14A17	"
23	"	14A18	"
24	"	14A19	"
25	"	14A20	"
26	"	14A21	"
27	"	14A22	"
28	"	14A23	"
29	"	14A24	"
30	"	14A25	"
31	"	14A26	"
32	"	14A27	"
33	"	14A28	"
34	"	14A29	"
35	"	14A30	"
36	"	14A31	"
37	"	14A32	"
38	"	14A33	"
39	"	14A34	"
40	"	14A35	"
41	"	14A36	"
42	"	14A37	"
43	"	14A38	"
44	"	14A39	"
45	"	14A40	"
46	"	14A41	"
47	"	14A42	"
48	"	14A43	"
49	"	14A44	"
50	"	14A45	"

WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 9199
 ERCTED BY W.B. & I.C.
 FOR CITY OF DETROIT Mich. DEPT. OF PUBLIC WORKS.
 LOCATION VERMONT AVE. I. C. R. DETROIT

DESCRIPTION HIGHWAY VIADUCT
 DETAILS OF ANGLES & CHANNELS
 SPECIFICATIONS Mich. STATE HIGHWAY REAMING, HOME
 INSPECTION BY PITTSBURGH TESTING LAB.
 SHOP PAINT. See Note

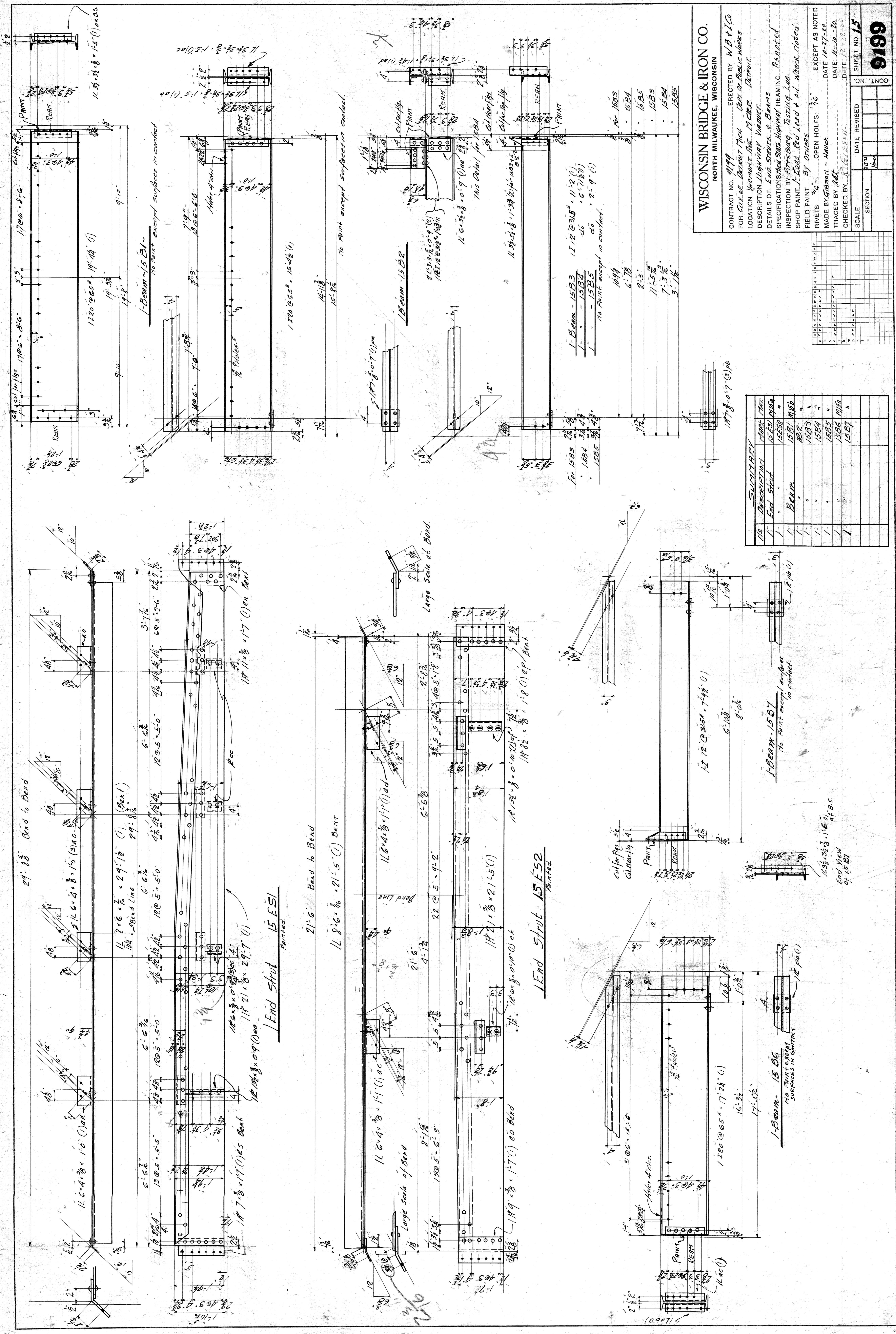
FIELD PAINT. By OTHERS
 RIVETS. 3/4" OPEN HOLES 1/2"
 MADE BY Mallet
 TRACED BY A.C.C.
 CHECKED BY A.C.C.
 DATE 1-10-20
 DATE 1-10-20
 DATE 1-10-20

EXCEPT AS NOTED
 DATE 1-10-20

SCALE 3/4" = 1'-0"
 SECTION

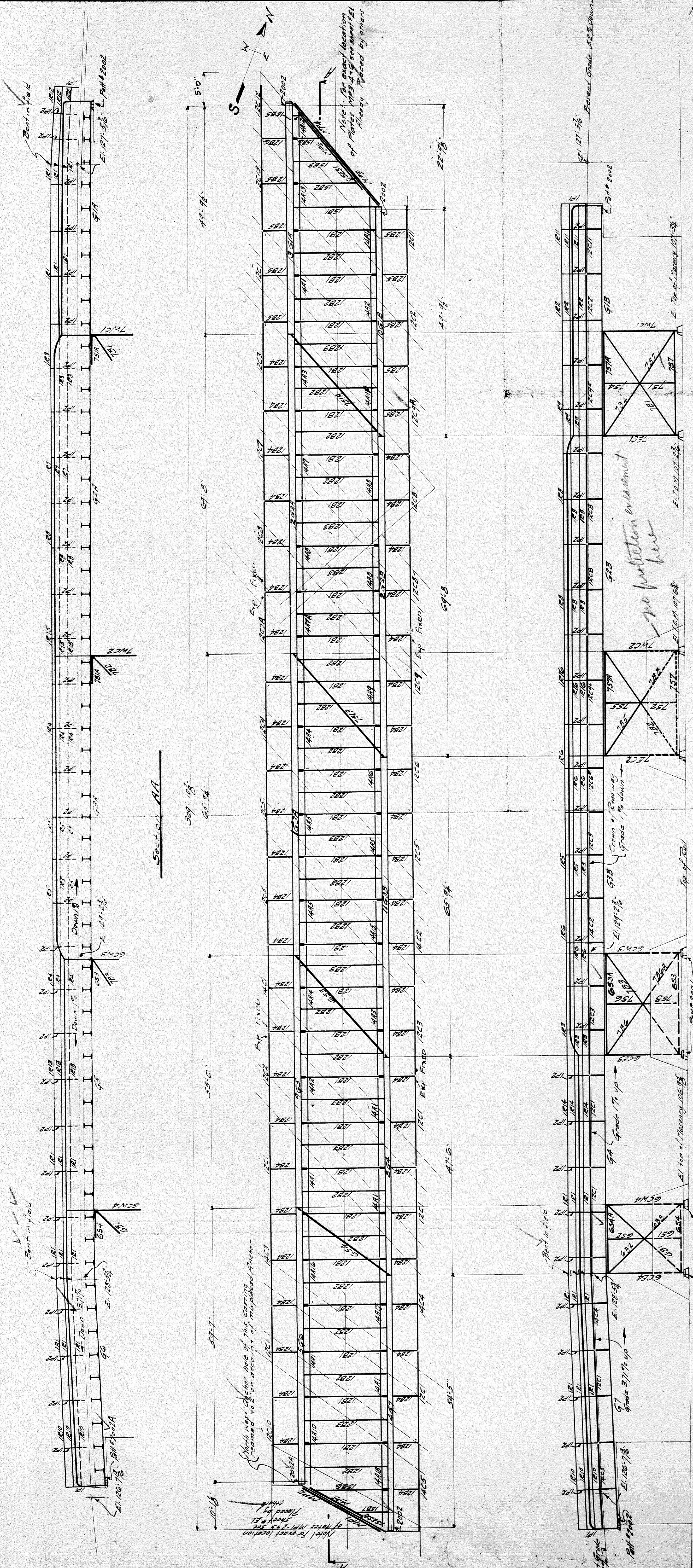
DATE REVISED
 SHEET NO. 14

9199



WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN
 CONTRACT NO. 9199
 ERCTED BY W.B.T.I.C.O.
 FOR CITY OF DETROIT Mich. DEPT. OF PUBLIC WORKS
 LOCATION: WERNICHT AVE. M. CARR. DETROIT.
 DESCRIPTION: HIGHWAY VIADUCT
 DETAILS OF END STRUTS & BEAMS
 SPECIFICATIONS: See State Highway REAMING. As noted.
 INSPECTION BY: Pittsburg Testing Lab.
 SHOP PAINT: 1-Coat Red Lead & oil where noted.
 FIELD PAINT: BY OTHERS
 RIVETS: 3/4" OPEN HOLES: 1/2"
 MADE BY: GIBSON - MAUCK
 DATE: 10-27-20
 TRACED BY: A.C.T.
 CHECKED BY: K. G. LEBON
 DATE: 11-10-20
 SCALE: 1/4" = 1'-0"
 SECTION: 15B1
 DATE REVISED: 11-10-20
 SHEET NO. 12
 9199

NO.	DESCRIPTION	AMOUNT
1	End Strut	15B1
1	Beam	15B2
1	"	15B3
1	"	15B4
1	"	15B5
1	"	15B6
1	"	15B7



Section AA

Note to Erector:
 Holes connecting upper rivet & lower
 end of diagonal in East Column at all levels
 to be reamed in field for adjustment.
 Before setting 1551 and 1552 notify
 customer and allow them opportunity to see
 2 or 3 heavy cuts of paint on account of necessary
 after erection

WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 9199 ERECTED BY W.B.I.C.
 FOR Dept. of Public Works, City of Detroit.
 LOCATION Vermont Street on McE.R. Detroit.

DESCRIPTION Highway Viaduct.
 DETAILS OF Erection Diagram REAMING

INSPECTION BY
 SHOP PAINT
 FIELD PAINT

RIVETS OPEN HOLES EXCEPT AS NOTED
 MADE BY DATE DATE
 TRACED BY DATE DATE
 CHECKED BY DATE DATE

SCALE SECTION SHEET NO. 12
 NO. 9199

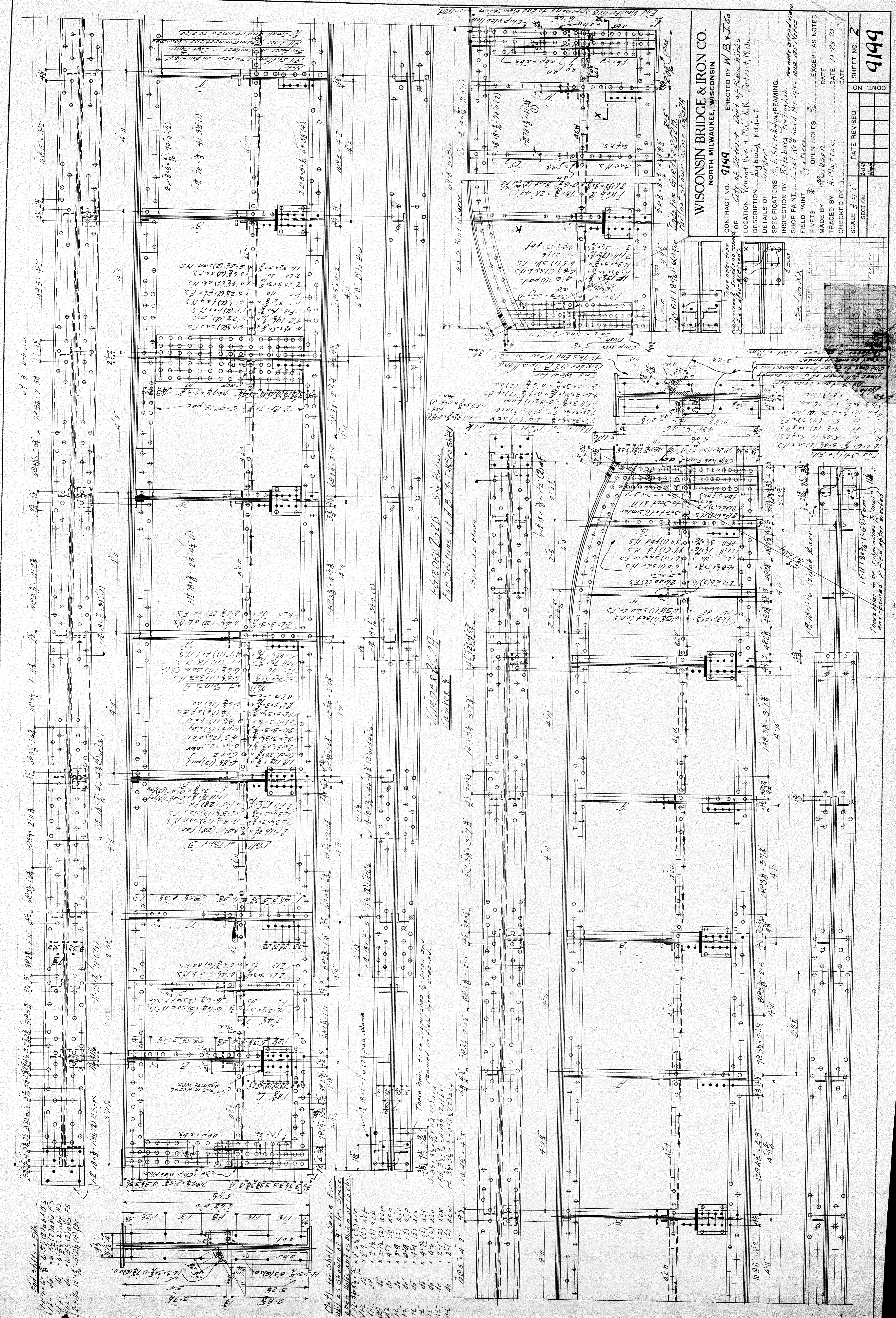
*Note: For exact location
 of plates 1551 & 1552 see special E.I.
 Heavy plates placed by others*

no protection encasement

*Crown of Railway
 Grade 1% down*

Grade 1% up

Grade 3% up



End Stills in File
 14'-6\"/>

1/4\"/>

1/4\"/>

1/4\"/>

1/4\"/>

1/4\"/>

1/4\"/>

1/4\"/>

1/4\"/>

1/4\"/>

WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN
 CONTRACT NO. 9199
 ERECTED BY W.B.I.C.O.
 FOR City of Detroit Dept of Public Works
 LOCATION: Yemont Ave & R.C.R. Detroit, Mich.
 DESCRIPTION: Highway Viaduct
 DETAILS OF: Girders
 SPECIFICATIONS: Mich. State Highway Department
 INSPECTION BY: Pittsburg Testing Lab.
 SHOP PAINT: East. Red lead per spec. use gal. No. 100
 FIELD PAINT: By others.
 RIVETS: OPEN HOLES 1/2\"/>

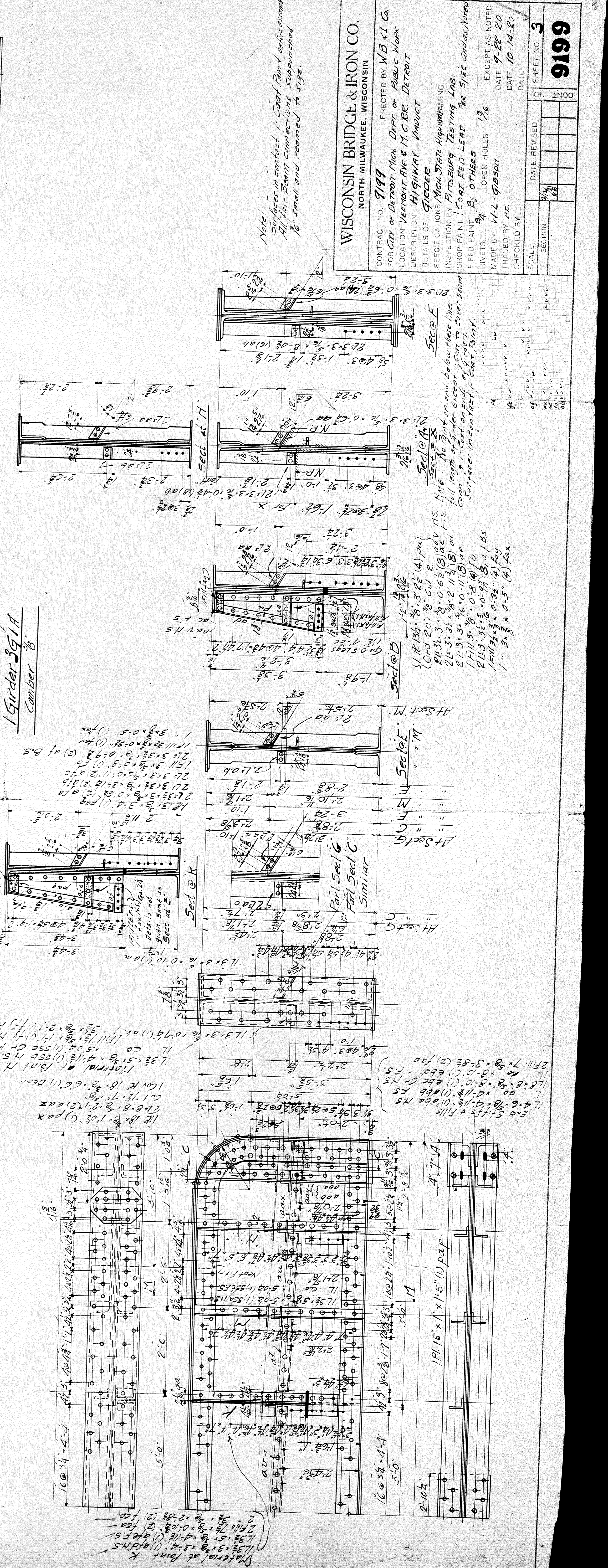
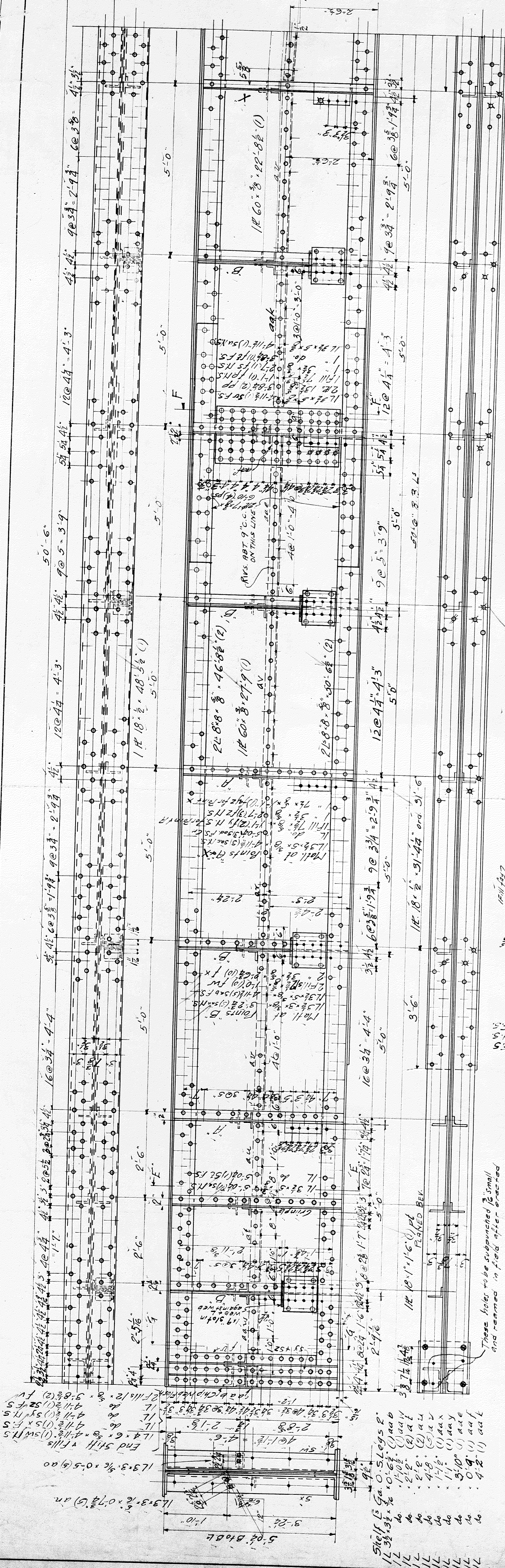
SECTION	DATE REVISED	SHEET NO.
1	11-28-20	2

LEADER 2-20 See Below
 For Sections at E.S. of 2' Sec. 11

LEADER 2-20
 Number 2

These holes to be capped after erected and
 framed in field after erected.

These girders to be supported by steel
 and returned in field after erected.



Girder 361A
Camber 3"

These holes to be subpunched in small and reamed in field after erected

WISCONSIN BRIDGE & IRON CO.
NORTH MILWAUKEE, WISCONSIN

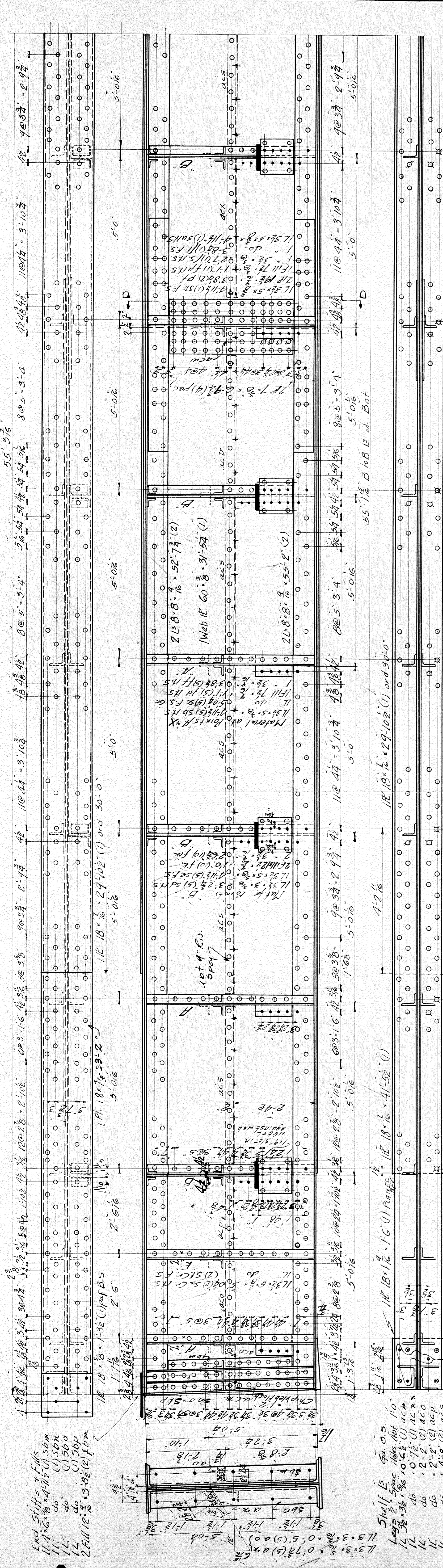
CONTRACT NO. 7199
ERECTED BY W.B. & I. Co.
FOR CITY OF DETROIT Mich. DEPT. OF PUBLIC WORKS
LOCATION VERNON AVE. & M.C.R.R. DETROIT

DESCRIPTION HIGHWAY VIADUCT
DETAILS OF GIRDER

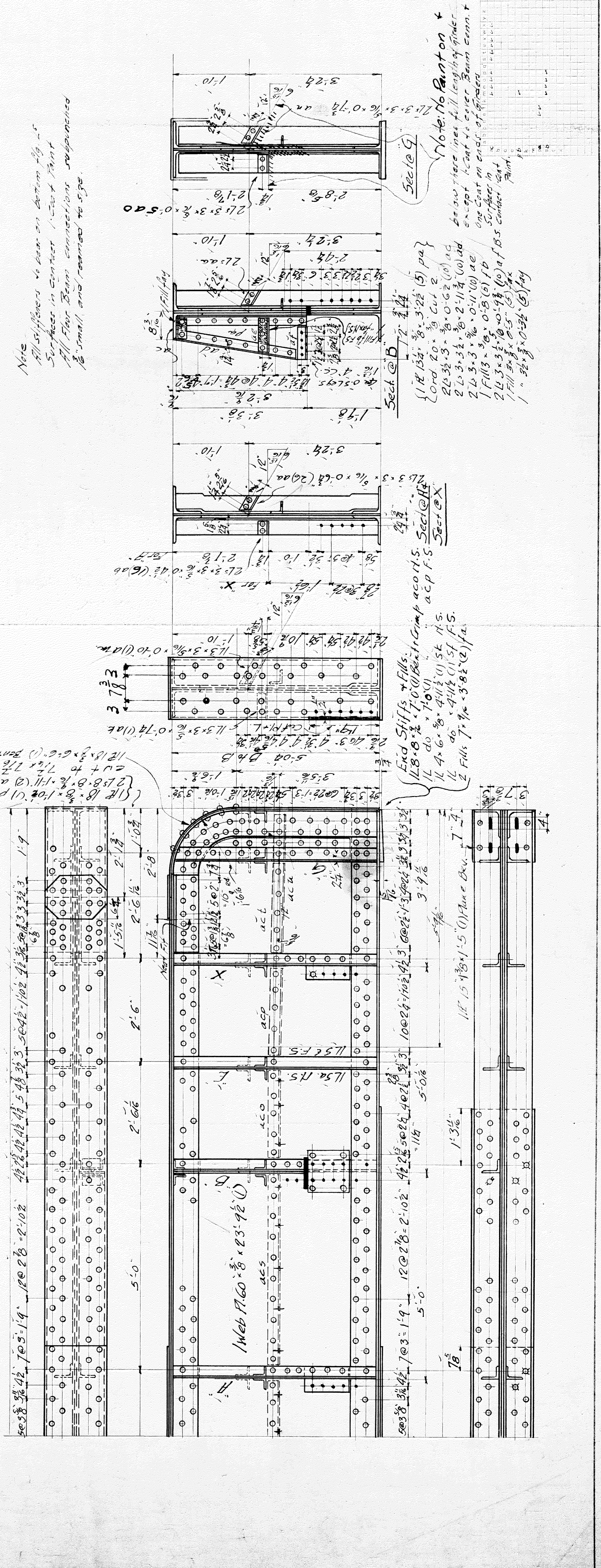
INSPECTION BY Mich. State Highway Com.
INSPECTION BY FITZBURGH TESTING LABS
SHOP PAINT COAT FED LEAD per Spc and as noted
FIELD PAINT B. OTHERS 1/6
RIVETS 3/4 OPEN HOLES 1/6
MADE BY W.L. 918507
TRACED BY R.E.
CHECKED BY

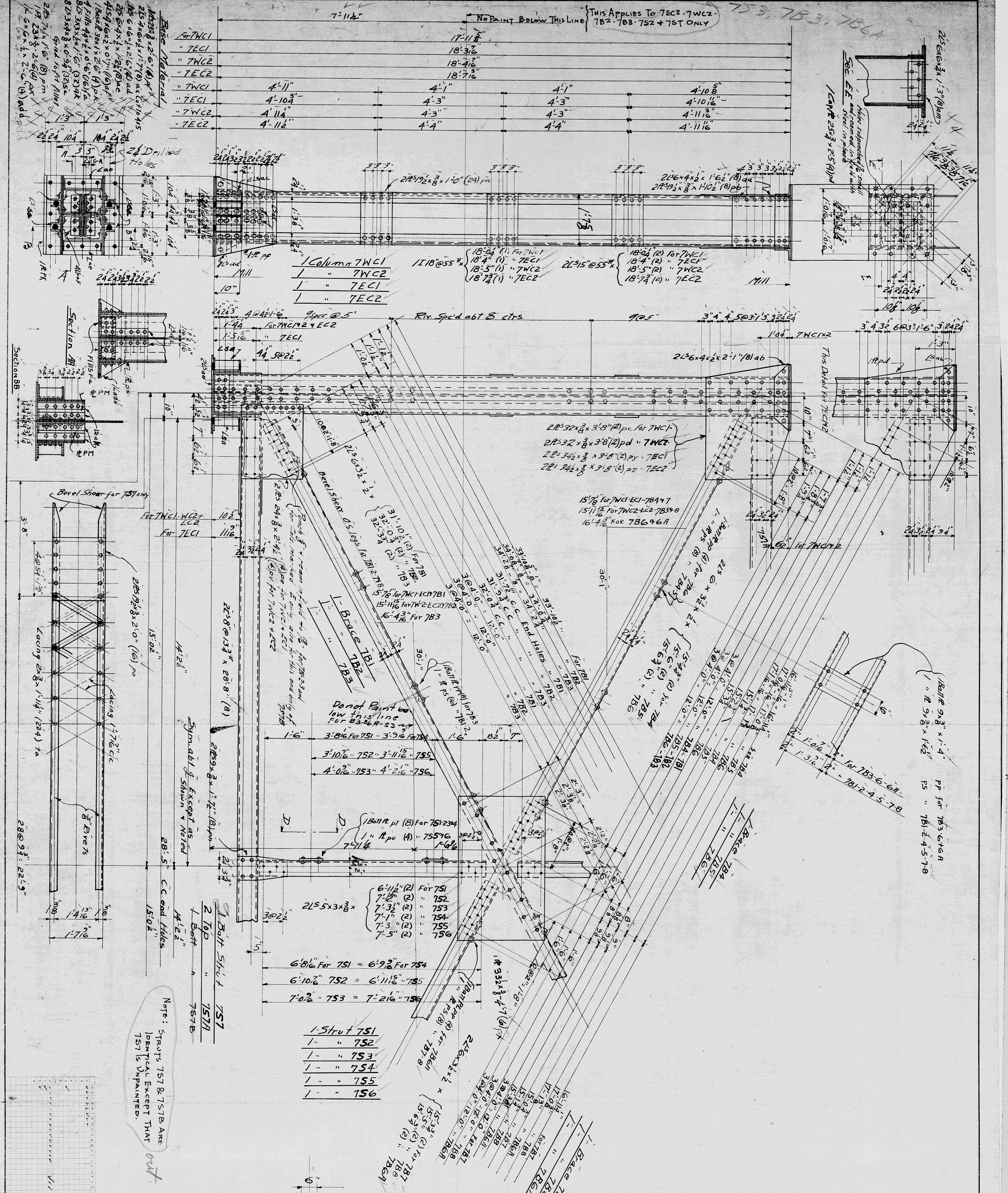
EXCEPT AS NOTED
DATE 9-22-20
DATE 10-14-20

SCALE 1/4" = 1'-0"
SECTION 1/4"
DATE REVISED
SHEET NO. 3
9199



WISCONSIN BRIDGE & IRON CO.	
NORTH MILWAUKEE, WISCONSIN	
CONTRACT NO. 9199	ERECTED BY W.B. & I.C.
FOR CITY OF DETROIT MICH. DEPT. OF PUBLIC WORKS	
LOCATION VERMONT AVE. & M.C.R.R. DETROIT	
DESCRIPTION HIGHWAY VIADUCT	
DETAILS OF GIRDER	
SPECIFICATIONS MICH. STATE HIGHWAY DEPT.	
INSPECTION BY PITTSBURGH ENGINEERING	See note
BY LEAD	Per Specifications
FIELD PAINT	By others
RIVETS	OPEN HOLES
MADE BY W.L. GIBSON	DATE 10-7-20
CHECKED BY	DATE 10-22-20
SCALE 3/8" = 1'-0"	
SHEET NO. 4	
SECTION	





WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 9199
 ERCTED BY W.B.A.I.C.O.
 FOR DEPT. of Public Works City of Detroit Mich.
 LOCATION North Ave. & W.C.R.R. Detroit Mich.
 DESCRIPTION Highway Viaduct
 DETAILS OF Bents #1 & 2

SPECIFICATIONS: Mich. State Highway Department - None on this sheet
 SHOP PAINT: Lead Red Lead per specifications
 FIELD PAINT: By others
 RIVETS: A
 MADE BY: M. Hancock
 TRACED BY: E.F. Reuss
 CHECKED BY: [Signature]
 SCALE: 3/4" = 1'-0"
 DATE: 8-27-20
 SHEET NO. 7

EXCEPT AS NOTED
 DATE: 8-27-20
 DATE: Sept 29, 1920

Note: Struts 7S7 & 7S7B are IDENTICAL EXCEPT THAT 7S7 IS UNPAINTED.

Member	Quantity	Material
1- Strut 7S1	1	7S1
1- " 7S2	1	7S2
1- " 7S3	1	7S3
1- " 7S4	1	7S4
1- " 7S5	1	7S5
1- " 7S6	1	7S6

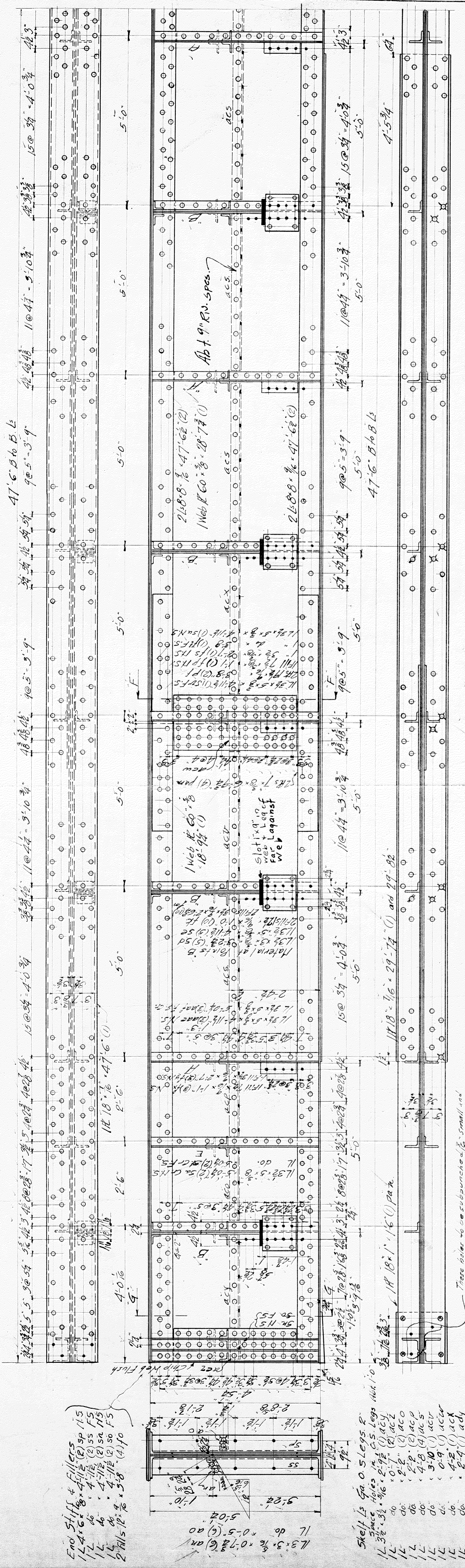
Note: 1" B.A.I.C.O. pt for 7S1-7S6
 1" R.P.U. (A) for 7S1-7S6
 1" R.P.U. (B) for 7S1-7S6

No.	Description	Material
1	Column	7WCI
1	"	7WCR
1	"	7ECI
1	"	7ECR
1	Beam	7B1
1	"	7B2
1	"	7B3
1	"	7B4
1	"	7B5
1	"	7B6
1	"	7B7
1	"	7B8
1	"	7B9
1	"	7B10
1	"	7B11
1	"	7B12
1	"	7B13
1	"	7B14
1	"	7B15
1	"	7B16
1	"	7B17
1	"	7B18
1	"	7B19
1	"	7B20
1	"	7B21
1	"	7B22
1	"	7B23
1	"	7B24
1	"	7B25
1	"	7B26
1	"	7B27
1	"	7B28
1	"	7B29
1	"	7B30
1	"	7B31
1	"	7B32
1	"	7B33
1	"	7B34
1	"	7B35
1	"	7B36
1	"	7B37
1	"	7B38
1	"	7B39
1	"	7B40
1	"	7B41
1	"	7B42
1	"	7B43
1	"	7B44
1	"	7B45
1	"	7B46
1	"	7B47
1	"	7B48
1	"	7B49
1	"	7B50
1	"	7B51
1	"	7B52
1	"	7B53
1	"	7B54
1	"	7B55
1	"	7B56
1	"	7B57
1	"	7B58
1	"	7B59
1	"	7B60
1	"	7B61
1	"	7B62
1	"	7B63
1	"	7B64
1	"	7B65
1	"	7B66
1	"	7B67
1	"	7B68
1	"	7B69
1	"	7B70
1	"	7B71
1	"	7B72
1	"	7B73
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1	"	7B75
1	"	7B76
1	"	7B77
1	"	7B78
1	"	7B79
1	"	7B80
1	"	7B81
1	"	7B82
1	"	7B83
1	"	7B84
1	"	7B85
1	"	7B86
1	"	7B87
1	"	7B88
1	"	7B89
1	"	7B90
1	"	7B91
1	"	7B92
1	"	7B93
1	"	7B94
1	"	7B95
1	"	7B96
1	"	7B97
1	"	7B98
1	"	7B99
1	"	7B100

Note: 1" B.A.I.C.O. pt for 7S1-7S6
 1" R.P.U. (A) for 7S1-7S6
 1" R.P.U. (B) for 7S1-7S6

Note: 1" B.A.I.C.O. pt for 7S1-7S6
 1" R.P.U. (A) for 7S1-7S6
 1" R.P.U. (B) for 7S1-7S6

Note: 1" B.A.I.C.O. pt for 7S1-7S6
 1" R.P.U. (A) for 7S1-7S6
 1" R.P.U. (B) for 7S1-7S6



Girder & Carter

These rivets to be cuprunched & small and ream in field after erected.

End Stiffeners & Fillers
 1 L 4" x 6" x 1/2" (2) sp (1.5)
 1 L 2" x 4" x 1/2" (2) ss FS
 1 L 2" x 4" x 1/2" (2) ss FS
 1 L 2" x 4" x 1/2" (2) ss FS
 2 Fills 12" x 3" (4) 1/2"

Shell is Gr. O. 5 Legs &
 Space Holes 1/2" x 1/2" (1) ac
 1 L 3/8" x 3/8" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac

1 L 3/8" x 3/8" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac
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 1 L 1/2" x 1/2" x 1/2" (1) ac

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 1 L 1/2" x 1/2" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac
 1 L 1/2" x 1/2" x 1/2" (1) ac

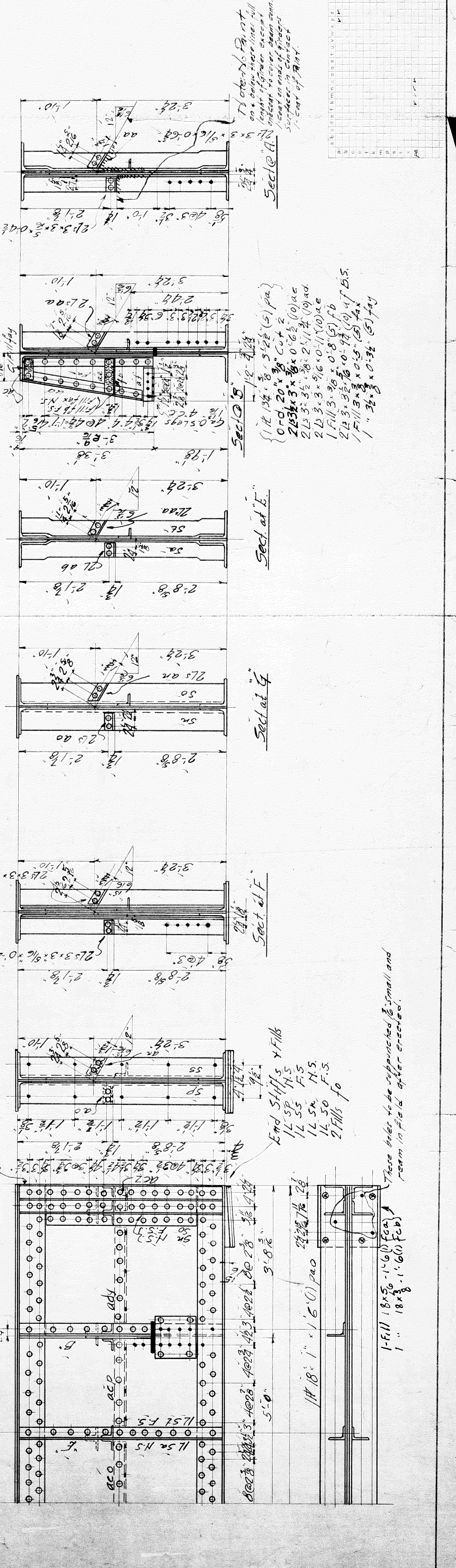
WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 999
 ERCTED BY W.B. & I. Co.
 FOR CITY OF DETROIT, Mich. Dept. of Public Works.
 LOCATION VEENORT AVE. + M.C.R.R. DETROIT.

DESCRIPTION HIGHWAY VIADUCT
 DETAILS OF GIRDER
 SPECIFICATION Mich. State Highway Commission
 INSPECTION BY Pittsburgh, Testing Lab.
 SHOP PAINT 1 coat Red Lead For Specifications
 FIELD PAINT 134 others
 RIVETS 3/4" OPEN HOLES
 MADE BY W.L. GIBSON
 TRACED BY AL.
 CHECKED BY W.L. GIBSON
 DATE 10/11/20
 DATE 10/18/20

EXCEPT AS NOTED
 DATE 10/11/20
 DATE 10/18/20

SCALE 3/4" = 1'-0"
 SECTION 1/1
 DATE REVISED
 SHEET 8
9199



Note:
 All stiffeners to bear on bottom flg.
 Surfaces in contact / coat paint.
 All floor beam connections cuprunched & small and reamed to size.

Section A-A
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac

Section B-B
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac

Section C-C
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac

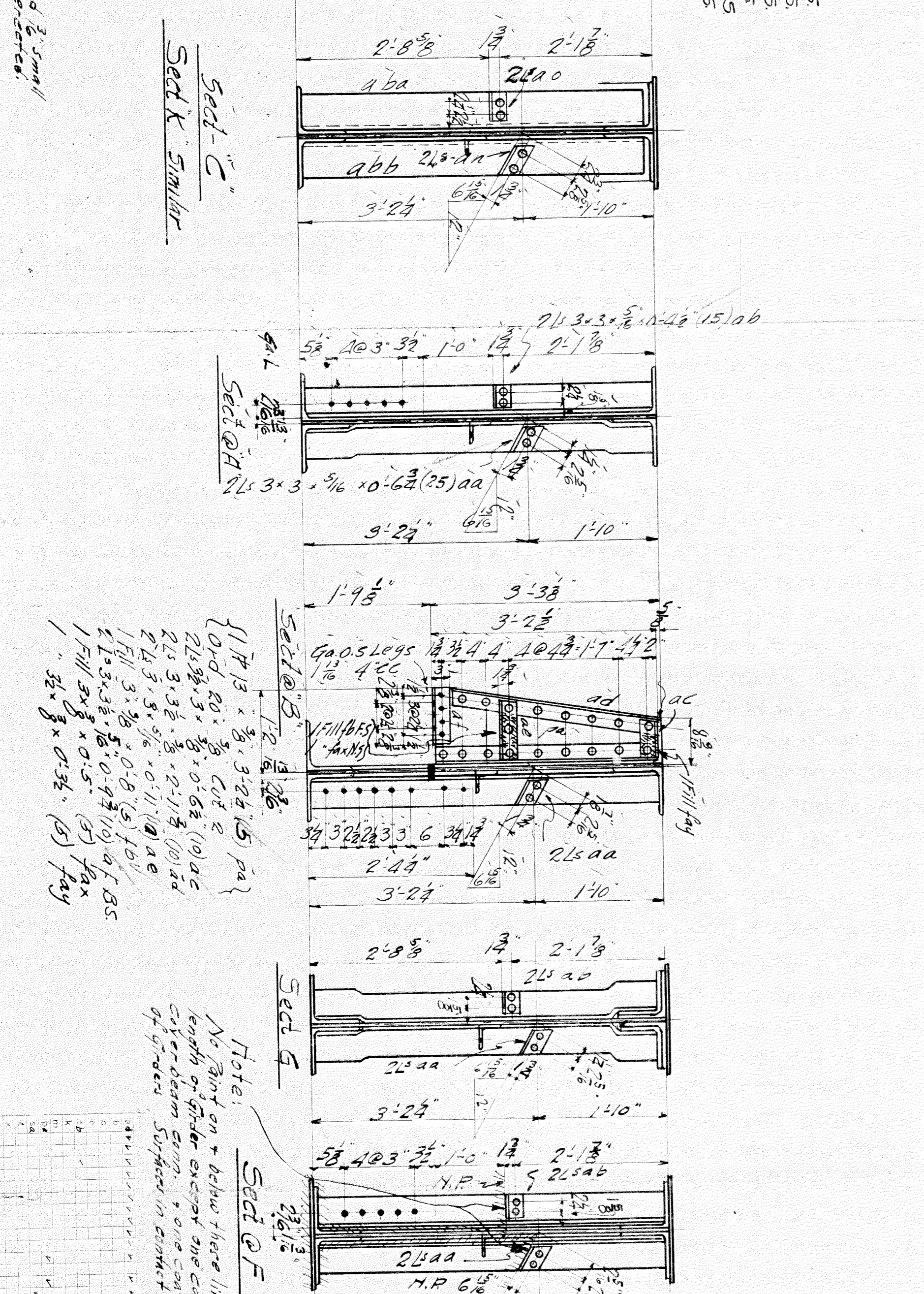
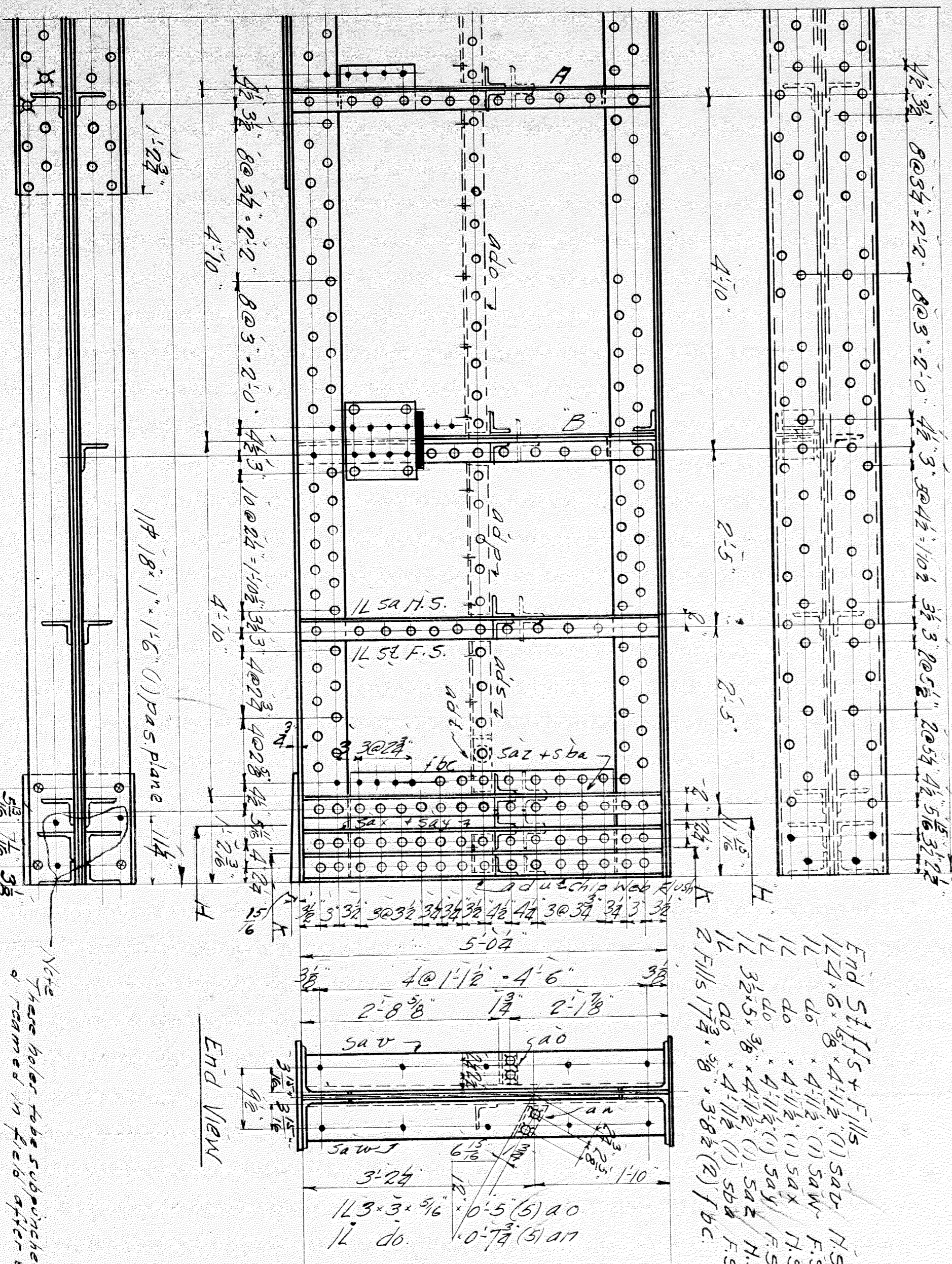
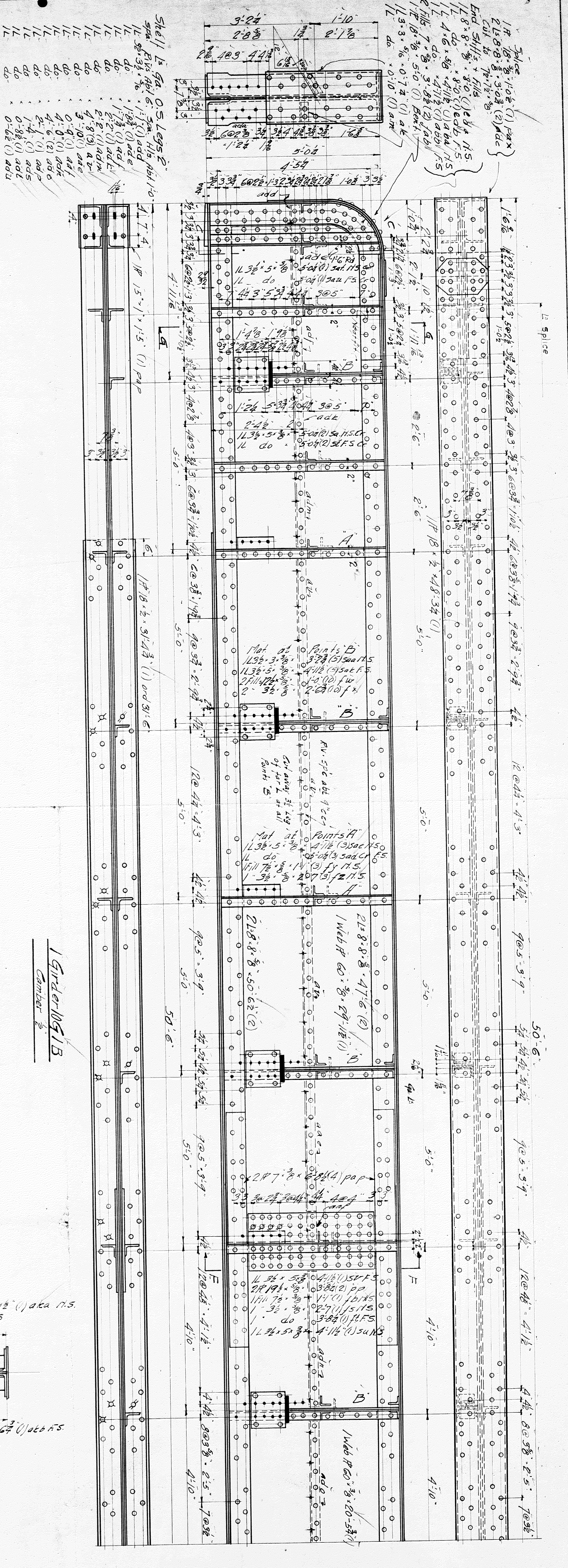
Section D-D
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac

Section E-E
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac

Section F-F
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac
 1/2" x 3/8" x 1/2" (1) ac

End Stiffeners & Fills
 1 L 5" x 5" x 1/2" (1) ac
 1 L 5" x 5" x 1/2" (1) ac
 1 L 5" x 5" x 1/2" (1) ac
 2 Fills 12" x 3" (4) 1/2"

These rivets to be cuprunched & small and ream in field after erected.

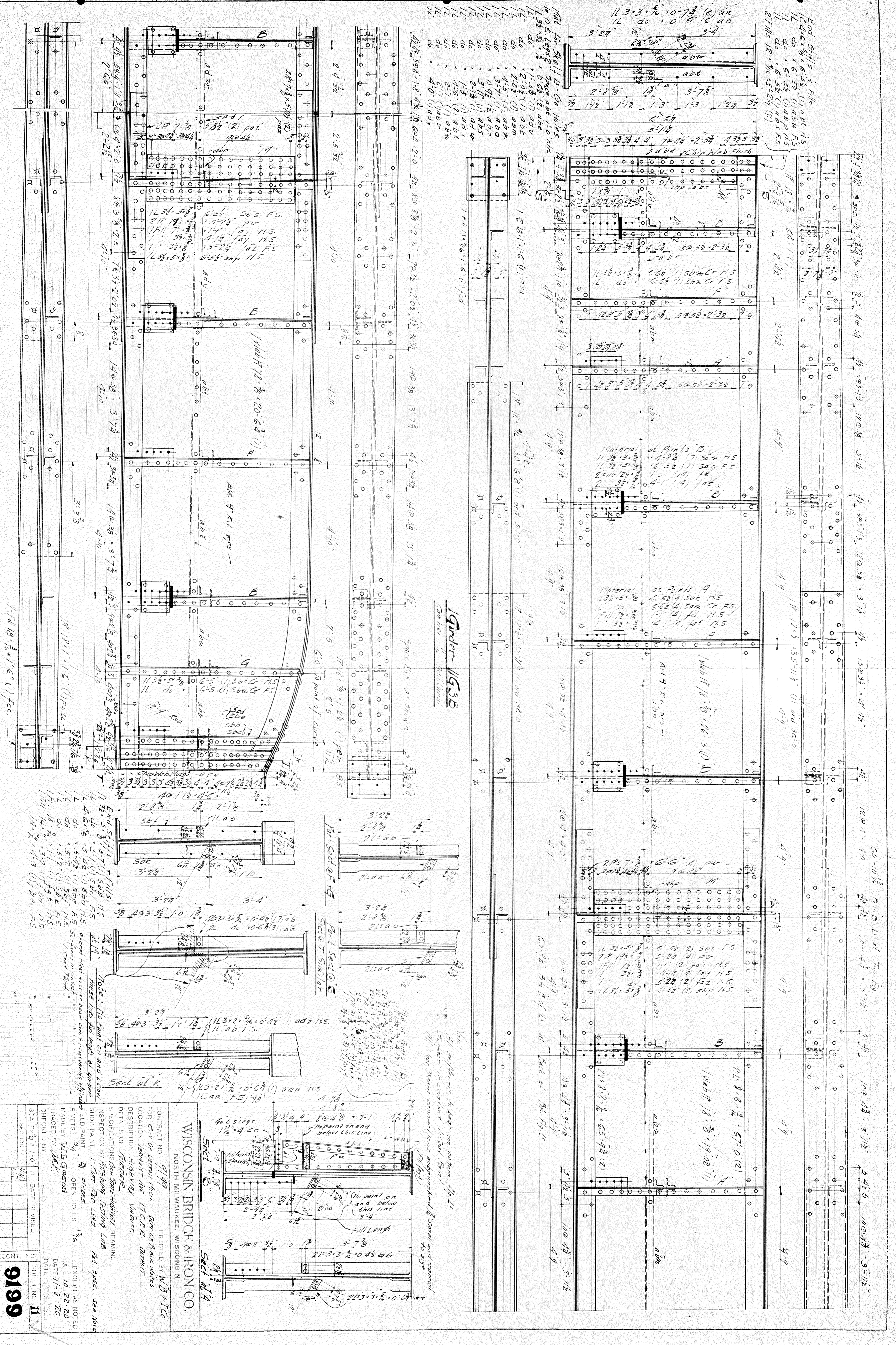


1 Girder 1051 B
Girder 1051 B

WISCONSIN BRIDGE & IRON CO. NORTH MILWAUKEE, WISCONSIN	
CONTRACT NO. 9199 FOR CITY OF DEPARTMENT OF PUBLIC WORKS LOCATION VERNON AVENUE & N. C. RIVER DRIVE DESCRIPTION HIGHWAY VIADUCT	ERECTED BY W. B. & I. CO. DATE 10-15-20 CHECKED BY DATE 10-28-20
DETAILS OF GIRDER SPECIFICATIONS: MILWAUKEE HIGHWAY BEARING INSPECTION BY: STRUCTURAL TESTING LABS SHOP PAINT: 1 Coat Red Lead, 2 Coat Grey FIELD PAINT: 2 Coats RIVETS: OPEN HOLES 1/8"	MADE BY: J. L. GIBSON TRACED BY: J. L. GIBSON CHECKED BY: J. L. GIBSON DATE: 10-28-20
SCALE 3/4" = 1'-0" SECTION: 10	DATE REVISED: [] SHEET NO. 10 9199

Notes:
 No paint on + below these lines
 Length of girder except one coat to
 exterior surface only. One coat to end
 of girders. Surface in contact with
 abutments.

Note:
 All specifications to be on bottom figs
 unless otherwise noted. All rivets
 shall be in contact with girder
 and shall be assumed to 532

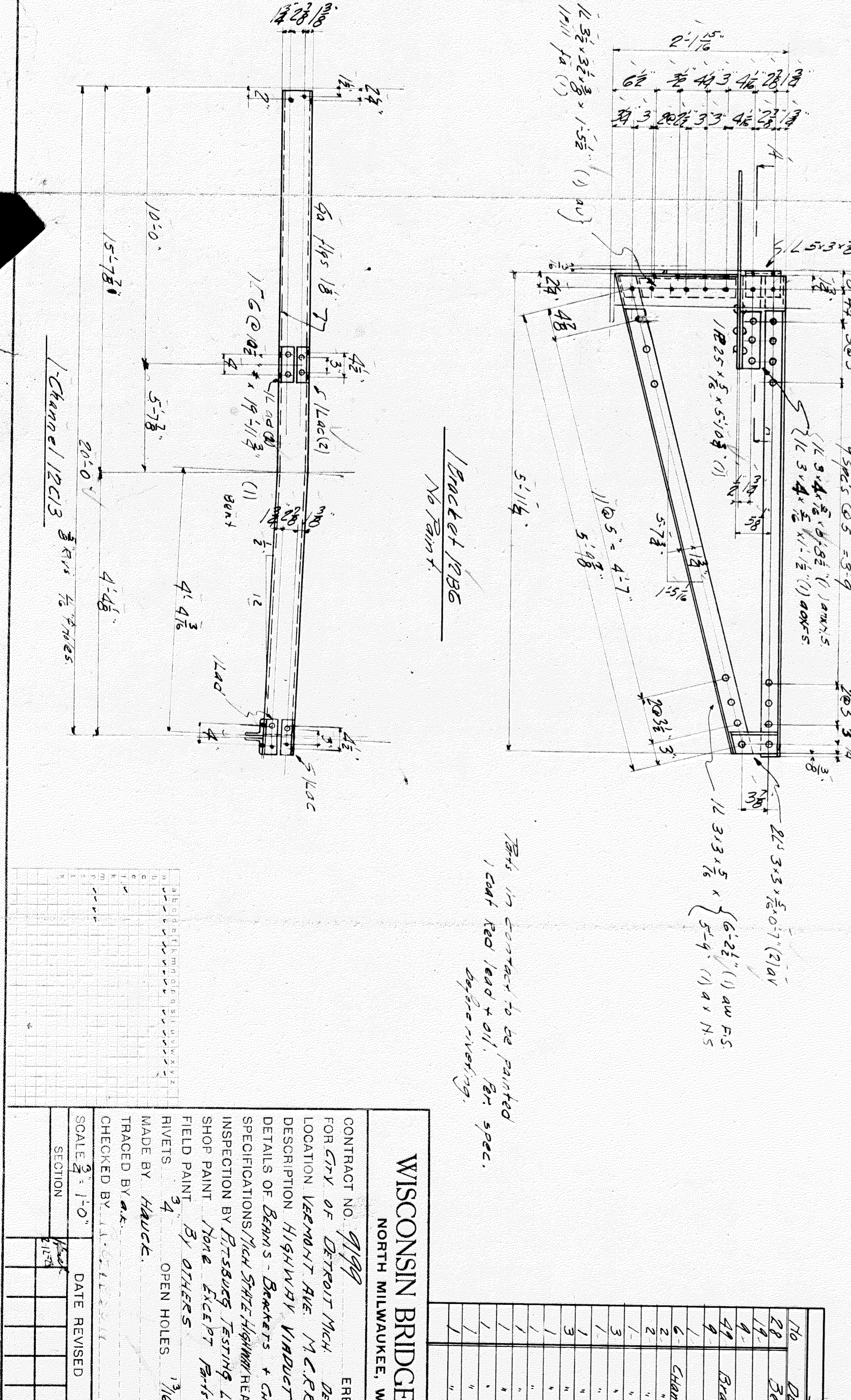
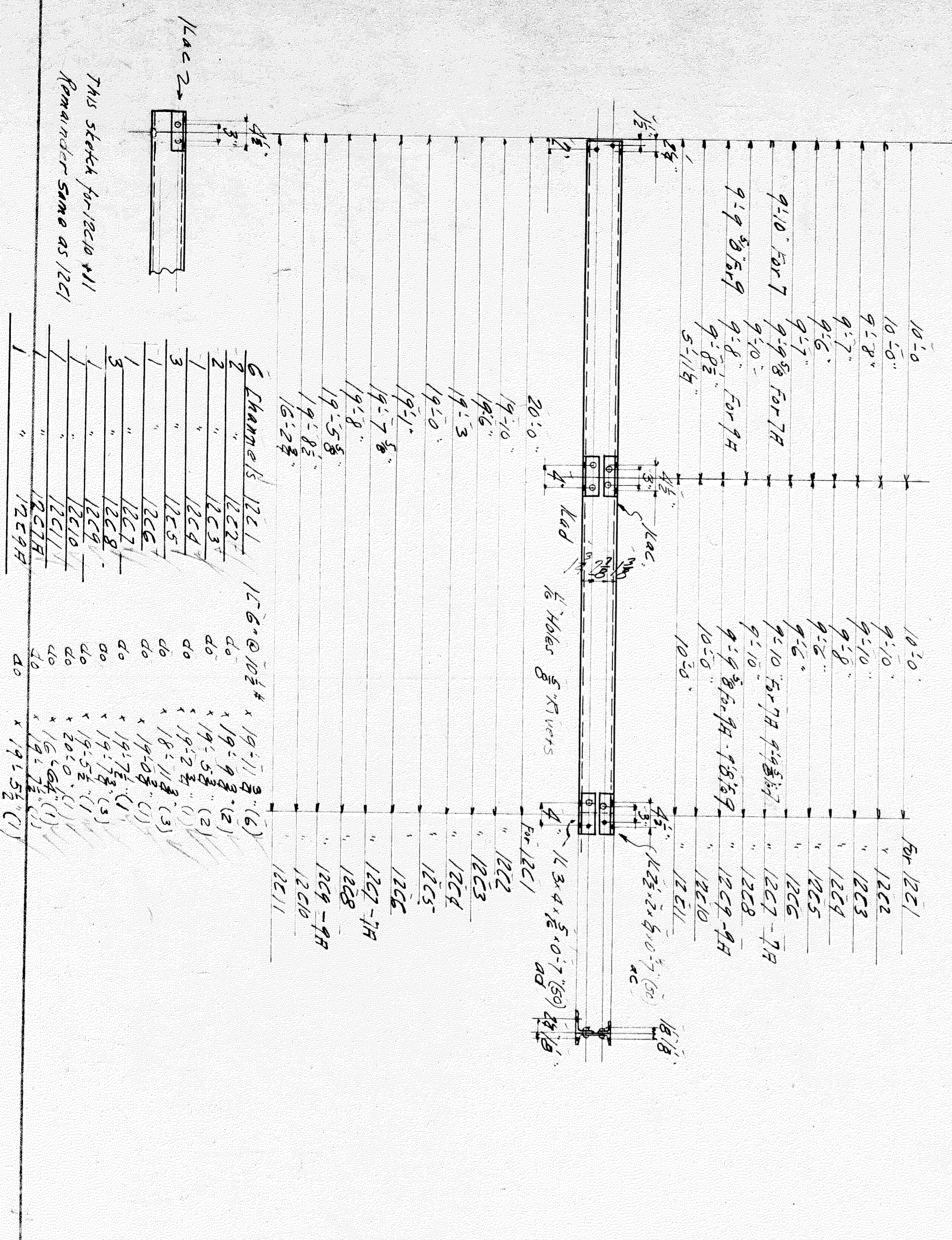
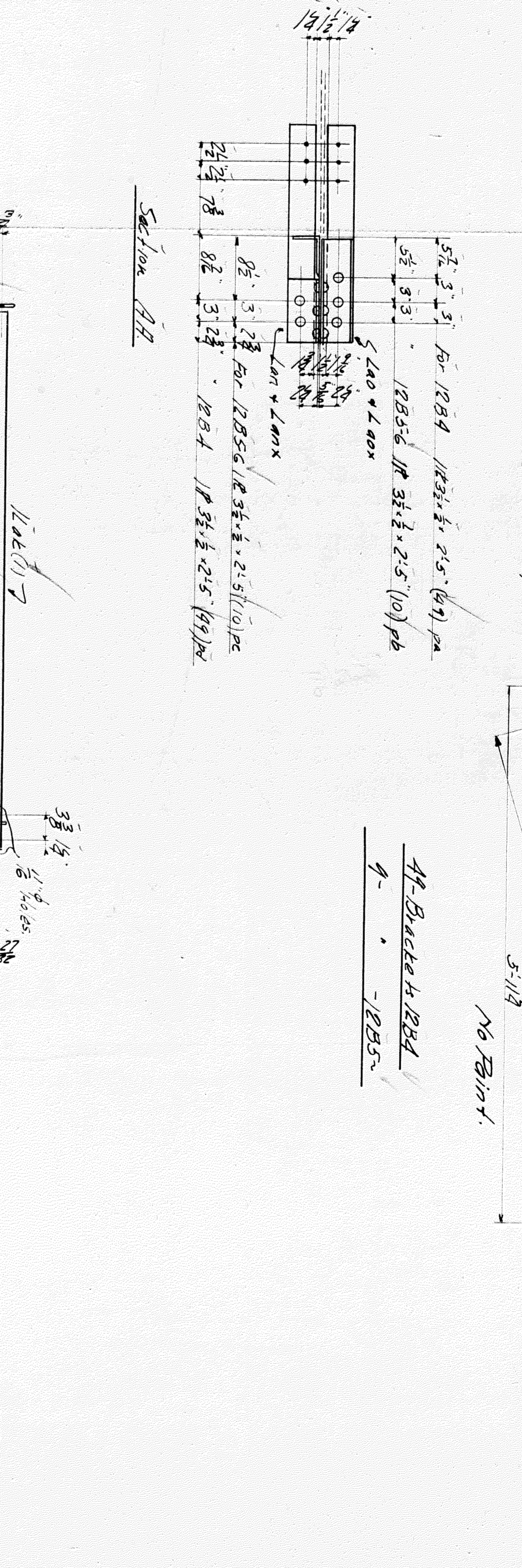
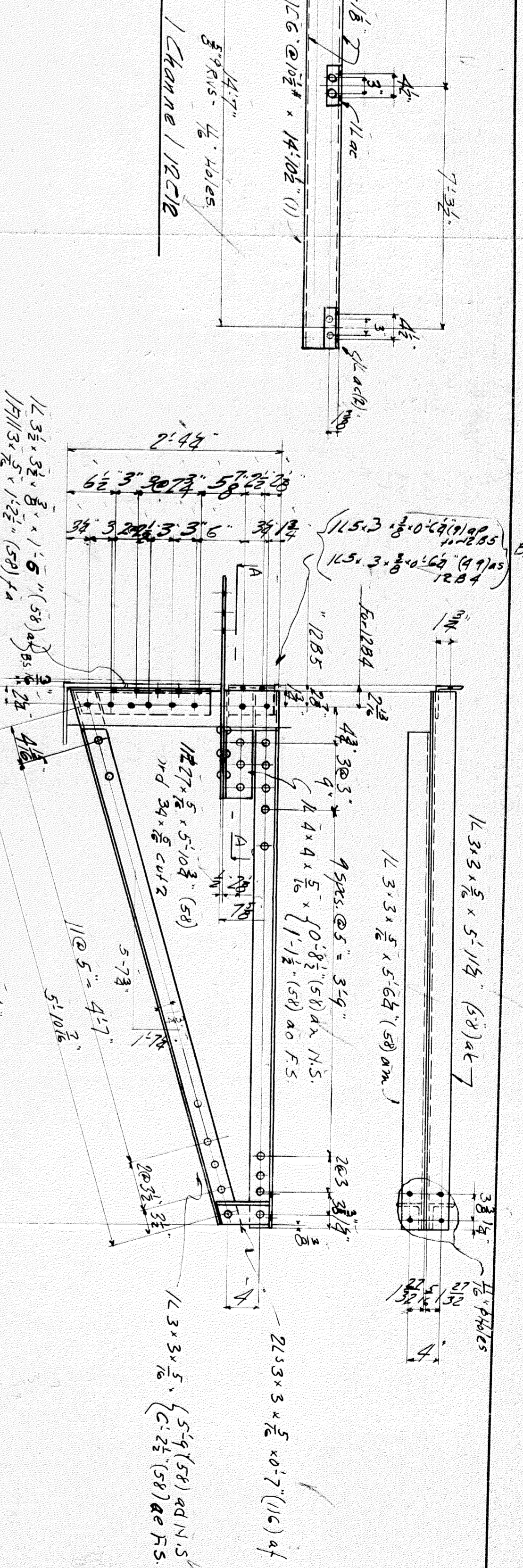
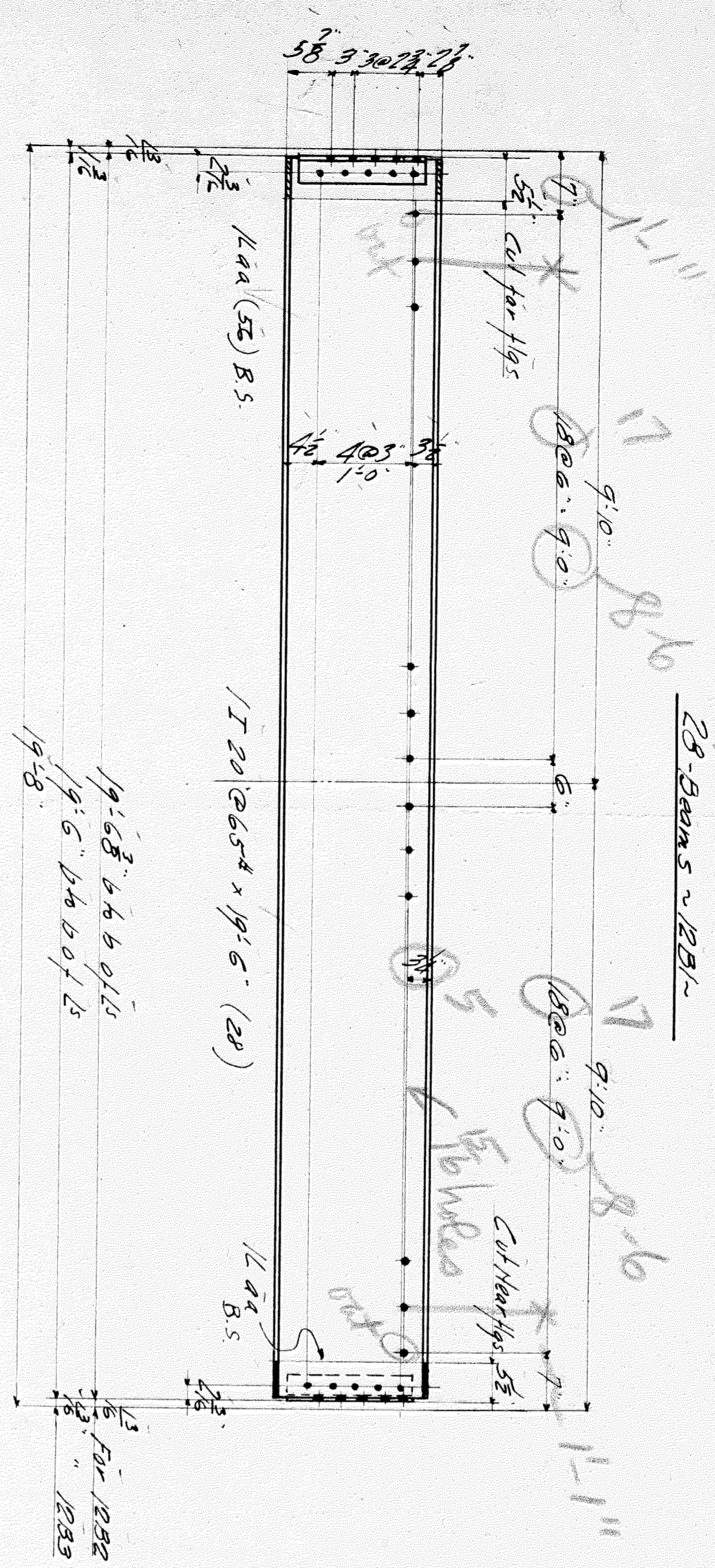
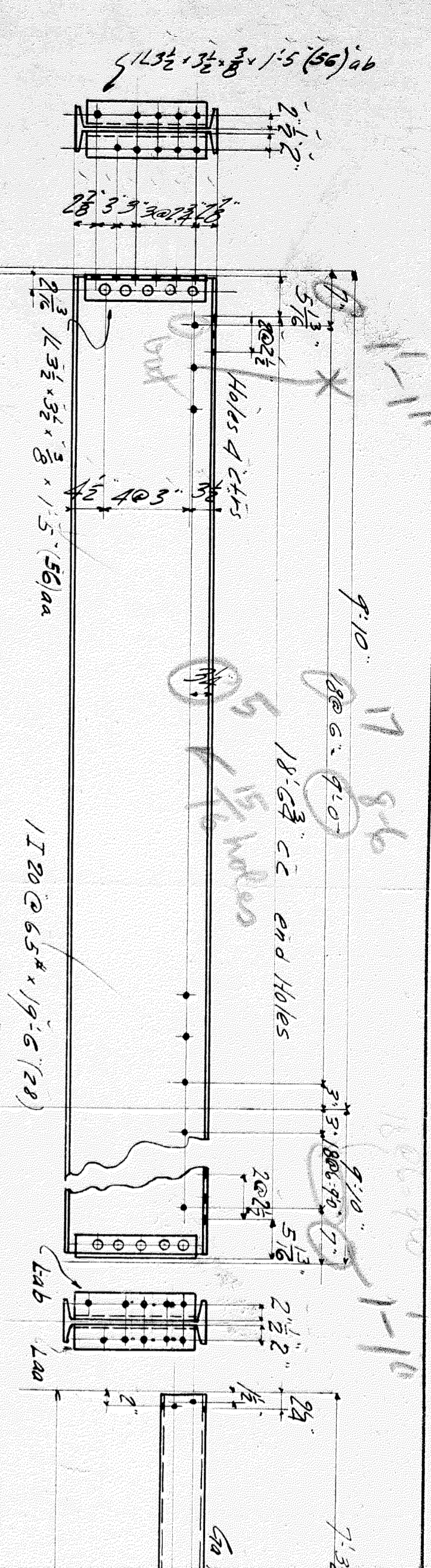


WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 9199
 FOR CITY OF DETROIT Mich. DEPT. OF PUBLIC WORKS.
 LOCATION: LEBOURNE THE MICHIGAN DETROIT
 DESCRIPTION: HIGHWAY BRIDGE

DETAILS OF: GIRDER
 SPECIFICATIONS: THE STEELWORK REPAIRING
 INSPECTION BY: MISSOURI TESTING LAB.
 SHOP PAINT: 1" CAP. 800 LBS.
 FIELD PAINT: 3/4" OPEN GRASS
 RENTS: 3/4" OPEN GRASS
 MADE BY: ILL. BRIDGE
 TRACED BY: A.C.T.
 CHECKED BY: A.C.T.
 DATE: 11-8-20

SCALE: 3/4" = 1'-0"
 SHEET NO. 11
9199



19-Beam 1282
9-1983

4-Bracket 1284
9-1285

2x3 in. corner to be painted
1 coat red lead + oil. 2nd spec.
before painting.

No	Description	Part No.
22	Beams	1282
11		1283
4	Bracket	1284
4		1285
6	Channels	1286
2		1287
3		1288
1		1289
1		1290
1		1291
1		1292
1		1293
1		1294
1		1295
1		1296
1		1297
1		1298
1		1299
1		1300

WISCONSIN BRIDGE & IRON CO.
NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 9199
ERECTED BY W. B. & I. CO.
FOR CITY OF DETROIT Mich. DEPT. OF PUBLIC WORKS.

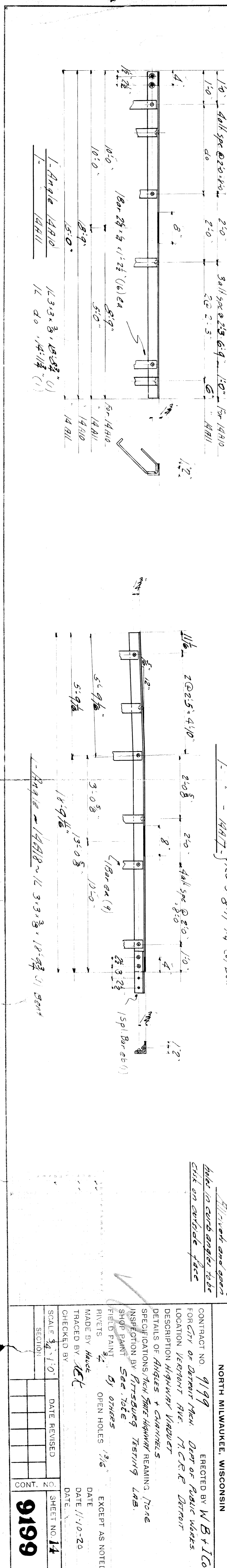
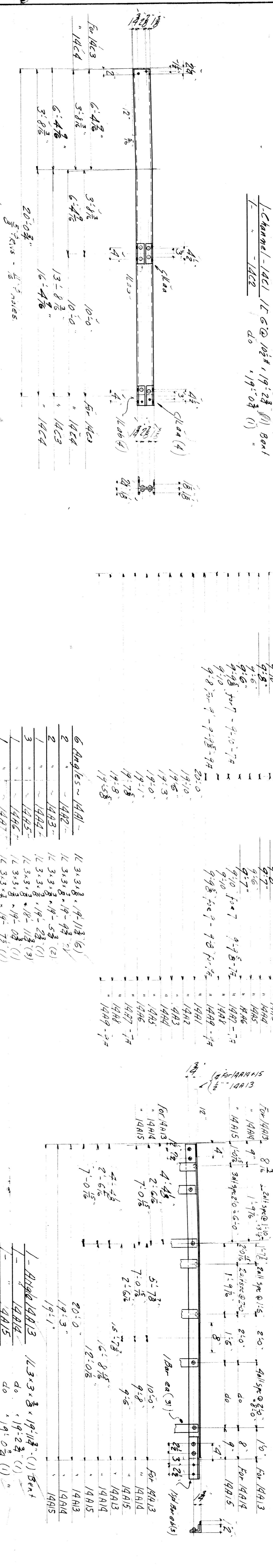
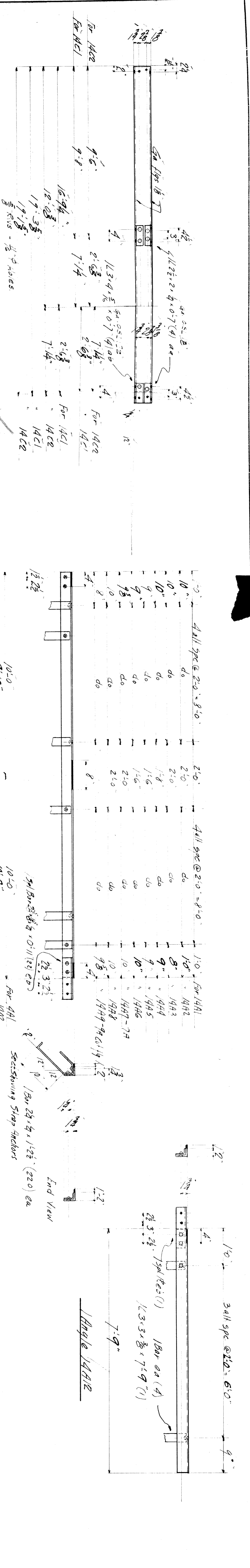
LOCATION: WARMANT AVE. M.C.R.R.
DESCRIPTION: HIGHWAY VIADUCT
DETAILS OF BEAMS, BRACKETS & CHANNELS
SPECIFICATIONS: MET. STATE HIGHWAY REMAINING
INSPECTION BY: FITZGERALD TESTING LABS.
SHOP PAINT: TONE EXCEPT PAINT IN CONTACT
FIELD PAINT: BY OTHERS

RIVETS: 3/4" OPEN HOLES: 1/16"
MADE BY: HAWCK
TRACED BY: HAWCK
CHECKED BY: HAWCK

EXCEPT AS NOTED
DATE: 11-11-20

SCALE: 1"=10'
DATE REVISED: 1/23
SECTION: 1

9199
SHEET NO. 12



NO	DESCRIPTION	QUANTITY	UNIT
1	Channel 14C1	1	LINEAL FOOT
2	Channel 14C2	1	LINEAL FOOT
3	Channel 14C3	1	LINEAL FOOT
4	Channel 14C4	1	LINEAL FOOT
5	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET
6	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET
7	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET
8	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET
9	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET
10	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET
11	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET
12	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET
13	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET
14	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET
15	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET
16	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET
17	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET
18	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET
19	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET
20	Angles 1/2" x 3" x 3/8"	12	LINEAL FEET

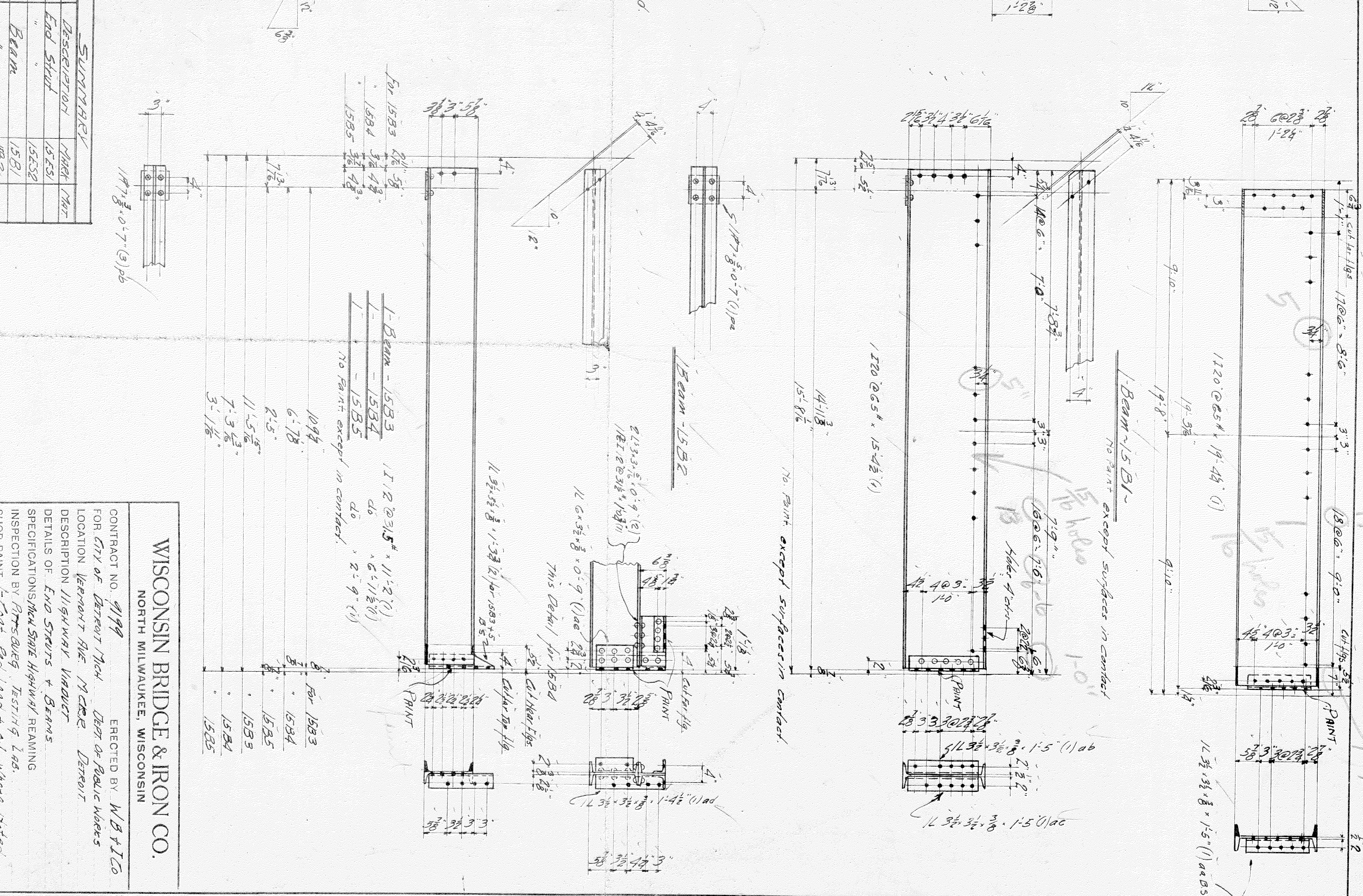
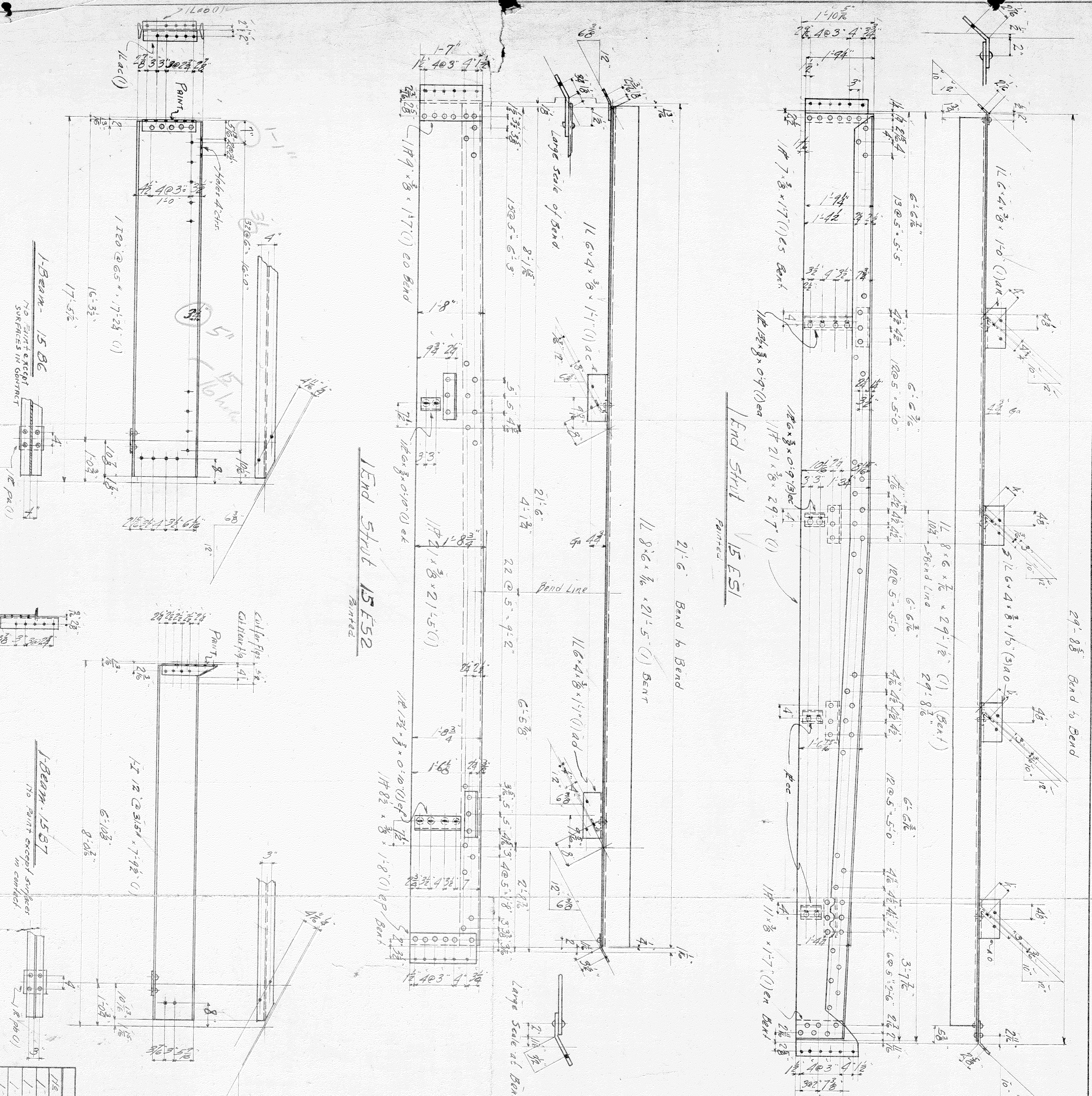
WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 9199
 ERRECTED BY W B & I CO
 FOR CITY OF DETROIT Mich. DEPT OF PUBLIC WORKS
 LOCATION VERMONT AVE. M.C.R.E. DETROIT

DESCRIPTION HIGHWAY WANDAUBET
 DETAILS OF ANGLES & CHANNELS
 SPECIFICATIONS BY FITTSBURGH TESTING LAB.
 INSPECTION BY FITTSBURGH TESTING LAB.
 SHOP PAINT See Note
 FIELD PAINT By OTHERS
 RIVETS 3/4" OPEN HOLES 1/32"

EXCEPT AS NOTED
 DATE 1/10-29
 MADE BY Hault
 TRACED BY ECT
 CHECKED BY

SCALE 3/4" = 1'-0"
 SHEET NO. 14
 CONT. NO. 9199



SUMMARY	ITEM	QUANTITY	UNIT
End Stud	15 B1	1	EA
Beam	15 B1	1	EA
Beam	15 B2	1	EA
Beam	15 B3	1	EA
Beam	15 B4	1	EA
Beam	15 B5	1	EA
Beam	15 B6	1	EA
Beam	15 B7	1	EA

WISCONSIN BRIDGE & IRON CO.
 NORTH MILWAUKEE, WISCONSIN

CONTRACT NO. 9199
 FOR CITY OF DETROIT Mich. DEPT. OF PUBLIC WORKS
 LOCATION WERNER AVE. N. W. DETROIT, MICH.
 DESCRIPTION HIGHWAY BRIDGE
 DETAILS OF END STUDS + BEAMS
 SPECIFICATIONS/MAKING SHOP DRAWINGS
 INSPECTION BY STRUCTURAL TESTING LAB.
 SHOP PAINT 1/2" Zinc Lead + 0.1 where noted.
 FIELD PAINT BY OTHERS

RIVERS 3/4" OPEN HOLES 1/2"
 MADE BY GIBSON - HAWK
 TRACED BY Adt
 CHECKED BY D. E. ...

EXCEPT AS NOTED
 DATE 10-27-20
 DATE 11-10-20

SCALE	SECTION	DATE REVISION	BY	DATE
1/2" = 1'-0"	1			
1/4" = 1'-0"	2			
3/8" = 1'-0"	3			
1/2" = 1'-0"	4			
3/4" = 1'-0"	5			
1" = 1'-0"	6			
1 1/4" = 1'-0"	7			
1 1/2" = 1'-0"	8			
1 3/4" = 1'-0"	9			
2" = 1'-0"	10			
2 1/4" = 1'-0"	11			
2 1/2" = 1'-0"	12			
2 3/4" = 1'-0"	13			
3" = 1'-0"	14			
3 1/4" = 1'-0"	15			
3 1/2" = 1'-0"	16			
3 3/4" = 1'-0"	17			
4" = 1'-0"	18			
4 1/4" = 1'-0"	19			
4 1/2" = 1'-0"	20			
4 3/4" = 1'-0"	21			
5" = 1'-0"	22			
5 1/4" = 1'-0"	23			
5 1/2" = 1'-0"	24			
5 3/4" = 1'-0"	25			
6" = 1'-0"	26			
6 1/4" = 1'-0"	27			
6 1/2" = 1'-0"	28			
6 3/4" = 1'-0"	29			
7" = 1'-0"	30			
7 1/4" = 1'-0"	31			
7 1/2" = 1'-0"	32			
7 3/4" = 1'-0"	33			
8" = 1'-0"	34			
8 1/4" = 1'-0"	35			
8 1/2" = 1'-0"	36			
8 3/4" = 1'-0"	37			
9" = 1'-0"	38			
9 1/4" = 1'-0"	39			
9 1/2" = 1'-0"	40			
9 3/4" = 1'-0"	41			
10" = 1'-0"	42			
10 1/4" = 1'-0"	43			
10 1/2" = 1'-0"	44			
10 3/4" = 1'-0"	45			
11" = 1'-0"	46			
11 1/4" = 1'-0"	47			
11 1/2" = 1'-0"	48			
11 3/4" = 1'-0"	49			
12" = 1'-0"	50			

CONTRACT NO. 9199
 SHEET NO. 15
 9199