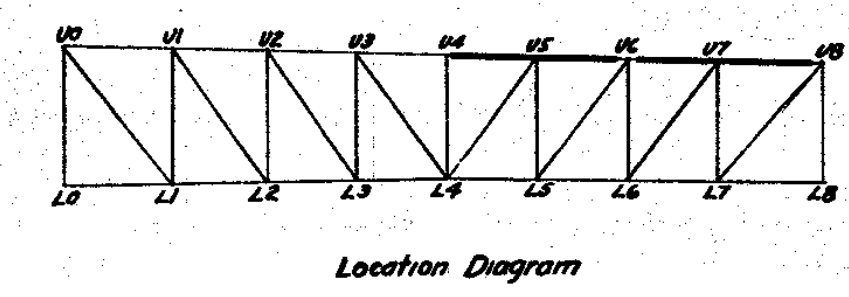
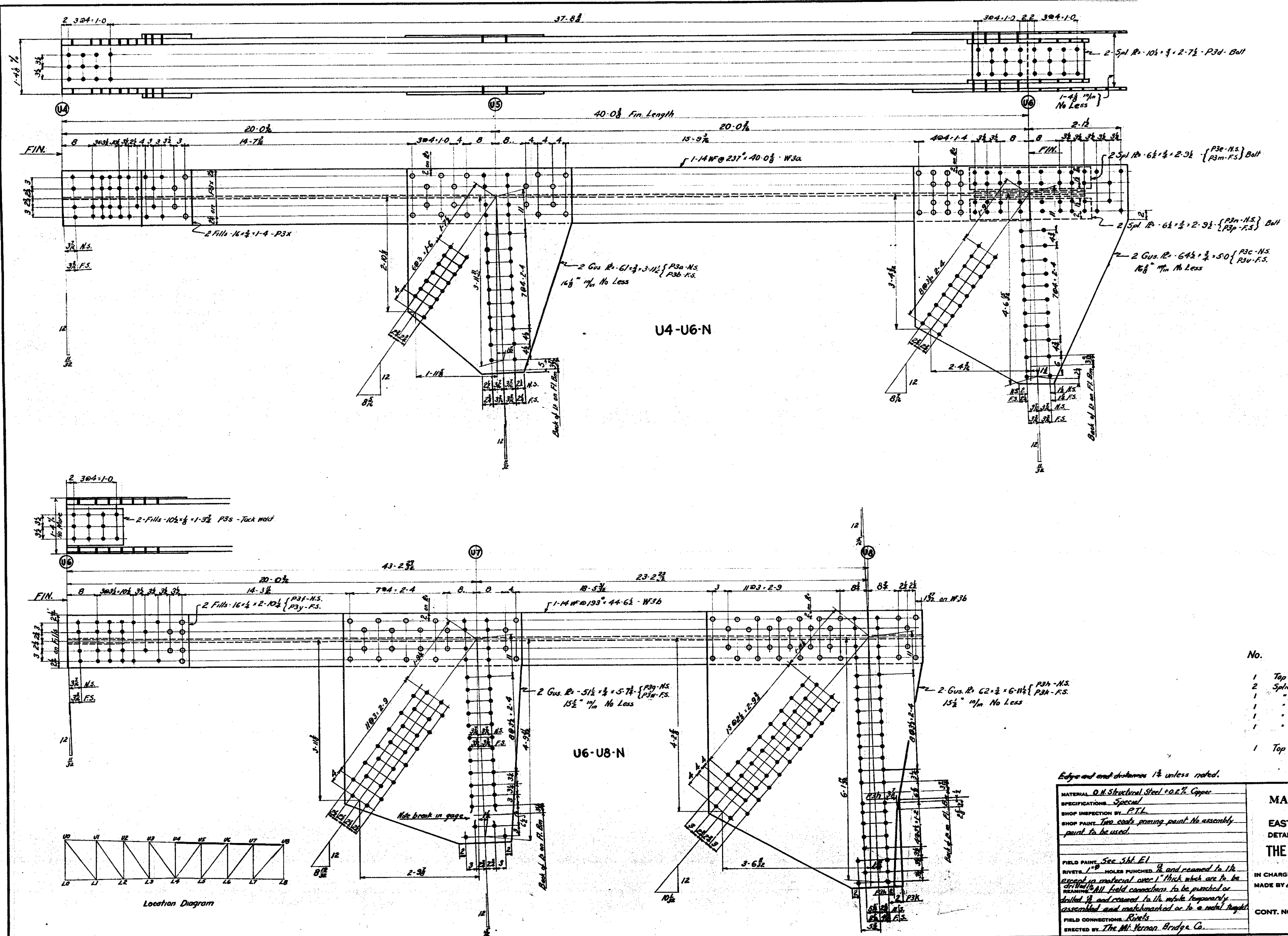




P-24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37  
 W-24



No.	REQUIRED LIST Description	Mark
1	Top Chord	U4-U6-N
2	Splice Plates Bolt to U4-U6-N	P3d
1	" " " " " "	P3e
1	" " " " " "	P3m
1	" " " " " "	P3n
1	" " " " " "	P3p
1	Top Chord	U6-U8-N

Edge and end distances 1 1/2 unless noted.

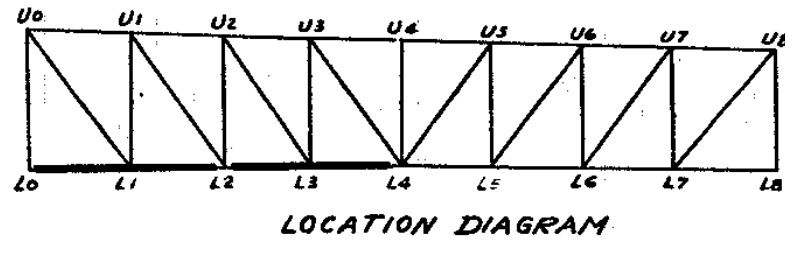
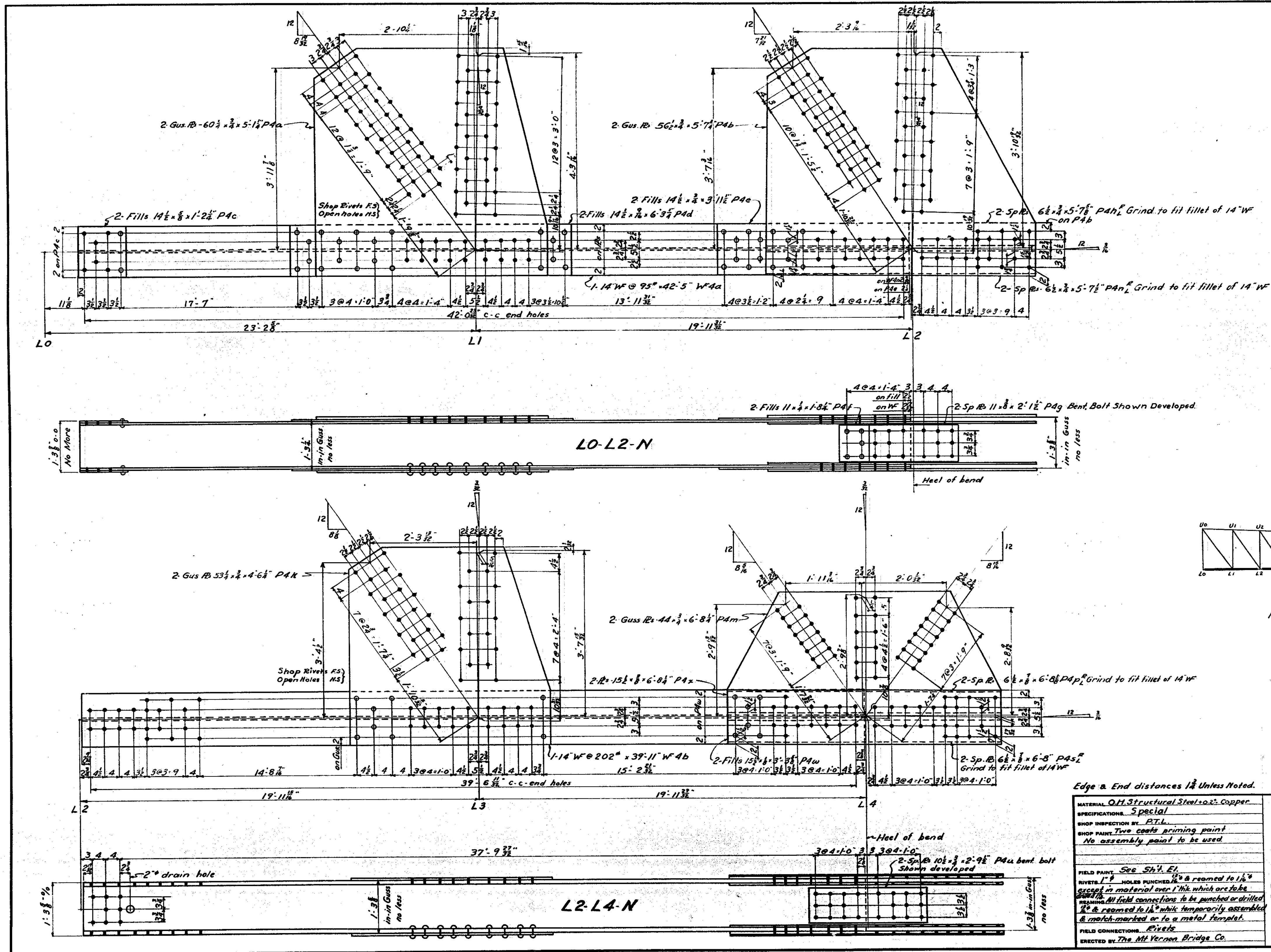
MATERIAL *A. S. T. Structural Steel + 0.2% Copper*  
 SPECIFICATIONS *Special*  
 SHOP INSPECTION BY *P.T.L.*  
 SHOP PAINT *Tie rods, priming, paint to assembly paint to be used.*  
 FIELD PAINT *See Sht. E1*  
 RIVETS *1" HOLES PUNCHED IN and peened to fit except in material over 1" thick which are to be drilled. ALL field connections to be punched or drilled in and covered to the extent necessary, assembled and matchmarked or to a metal template.*  
 FIELD CONNECTIONS *Rivets*  
 ERECTED BY *The Mt. Vernon Bridge Co.*

**MAIN AVENUE BRIDGE**  
 CLEVELAND, OHIO  
 EAST APPROACH  
 DETAILS OF Top Chords - North Truss  
**THE MT. VERNON BRIDGE CO.**  
 MT. VERNON, O.  
 IN CHARGE OF *White*  
 MADE BY *Lebanon 2-1-20* CHECKED BY *Taylor 2-1-20*

CONT. NO. **5992** SHEET **3**

Y.O. - 36, 37

R. a. b. c. d. e. f. g. h. k. m. n. p. s. u. v. w. x.  
 1/2. a. b.



NO.	REQUIRED	MARK
1	Bottom Chord	L0-L2-N
2	R. Bolt to L0-L2-N	P4g

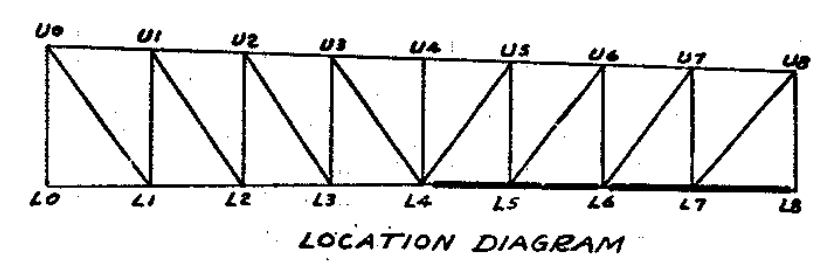
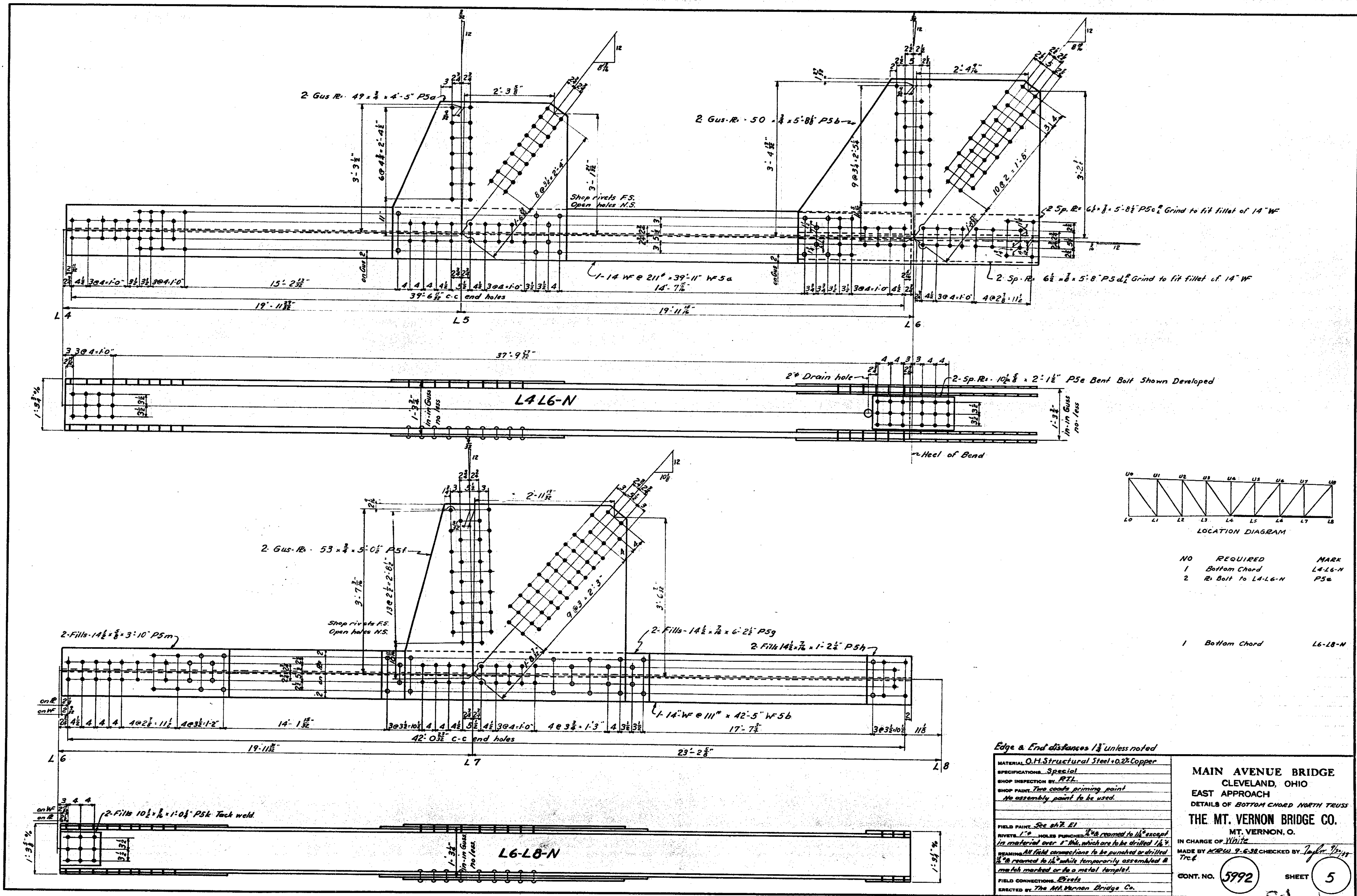
1	Bottom Chord	L2-L4-N
2	R. Bolt to L2-L4-N	P4u

Edge & End distances 1 1/2 Unless Noted.

MATERIAL: A36 Structural Steel, 202 Copper  
 SPECIFICATIONS: 5 Special  
 SHOP INSPECTION BY: P.T.L.  
 SHOP PAINT: Two coats priming paint  
 No assembly paint to be used  
 FIELD PAINT: See Sp. 4, E.I.  
 RIVETS: 1/2" HOLES PUNCHED 1/2" & reamed to 1/2"  
 GROUPED IN MATERIAL OVER 1/2" WHICH ARE TO BE  
 GROUPED IN MATERIAL TO BE PUNCHED OR DRILLED  
 TO BE REAMED TO 1/2" WHILE TEMPORARILY ASSEMBLED  
 & MATCH-MARKED OR TO A METAL TEMPLATE.  
 FIELD CONNECTIONS: Rivets  
 DIRECTED BY: The Mt. Vernon Bridge Co.

MAIN AVENUE BRIDGE  
 CLEVELAND, OHIO  
 EAST APPROACH  
 DETAILS OF BOTTOM CHORD NORTH TRUSS  
 THE MT. VERNON BRIDGE CO.  
 MT. VERNON, O.  
 IN CHARGE OF: White  
 MADE BY: KIRBY 9-1-38 CHECKED BY: J. H. H. 7/31/38  
 Trac 4  
 CONT. NO. 5992 SHEET 4

R- a-b-c-d-e-f-g-h-k-m  
No. a-b



NO	REQUIRED	MARK
1	Bottom Chord	L4-L6-N
2	R. Bolt to L4-L6-N	P5e
1	Bottom Chord	L6-L8-N

Edge & End distances 1 1/8" unless noted

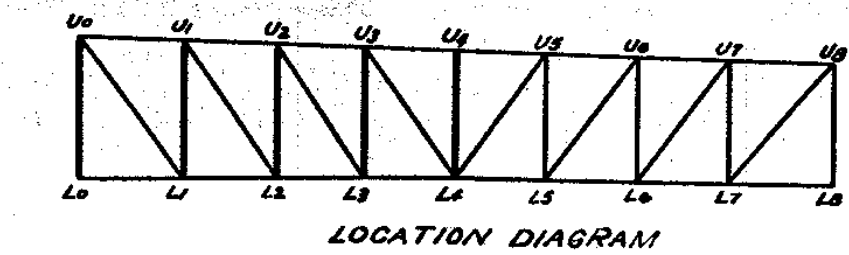
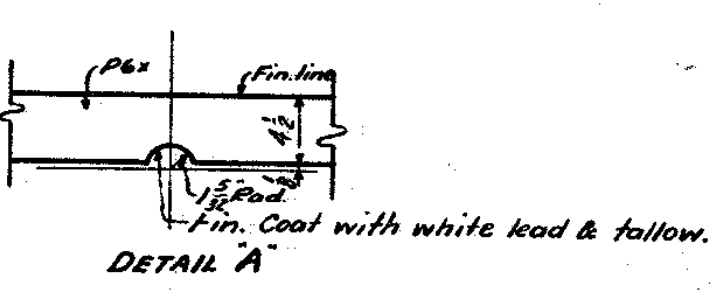
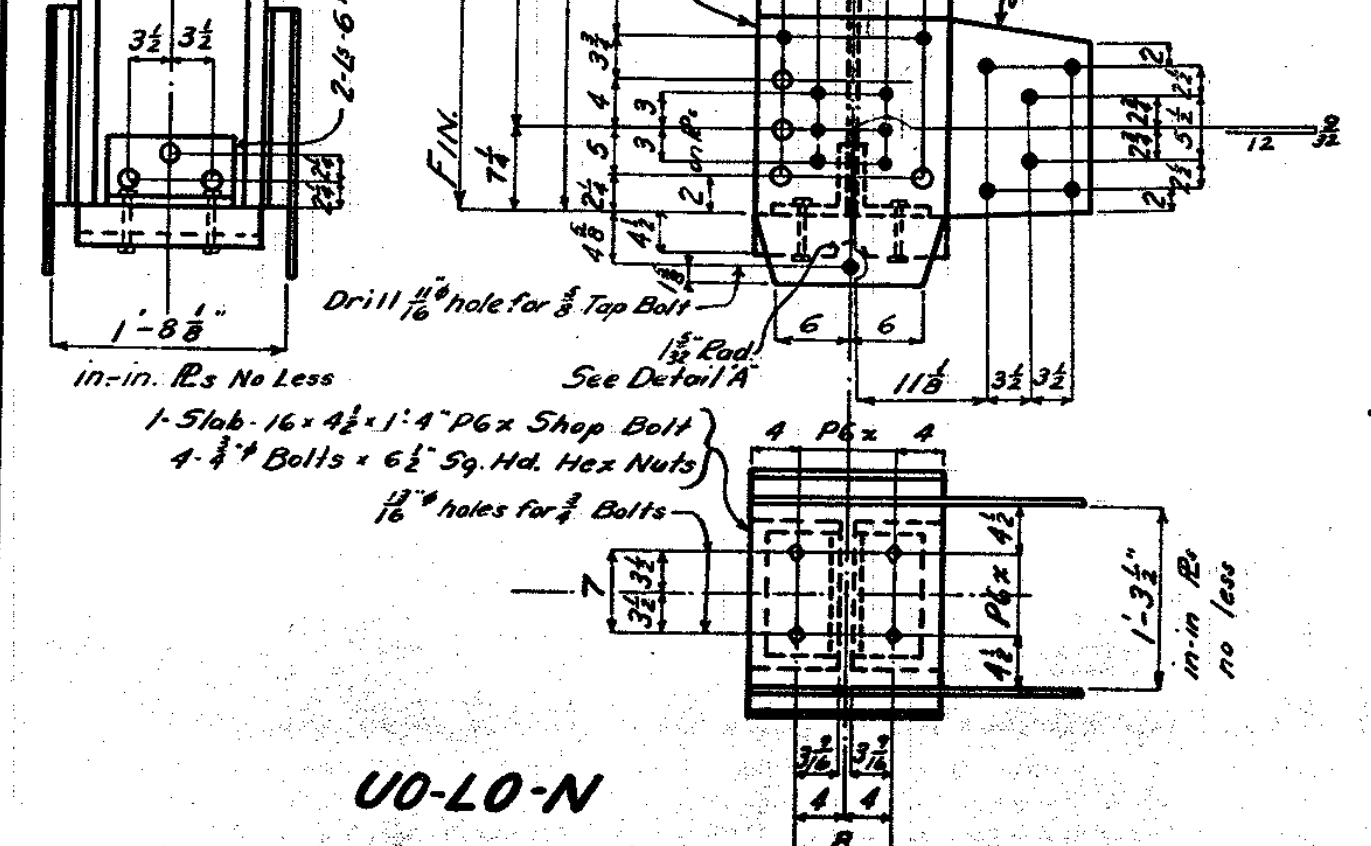
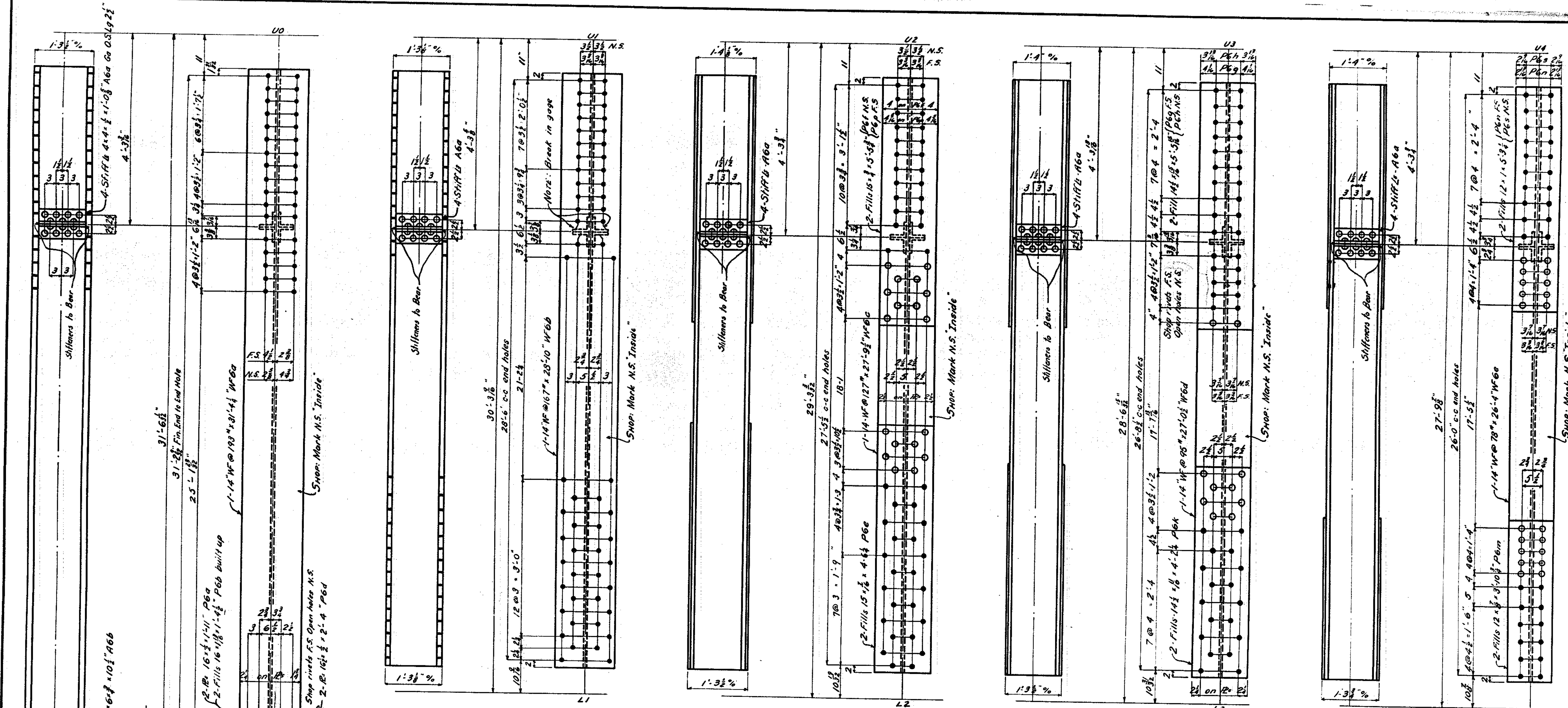
MATERIAL A. I. Structural Steel & 0.2% Copper  
 SPECIFICATIONS Special  
 SHOP INSPECTION BY R. J. L.  
 SHOP PAINT Two coats priming paint  
No assembly paint to be used.

FIELD PAINT See 8th E. I.  
 RIVETS 1 1/2" HOLES PUNCHED 1/8" REAMED TO 1/8" EXCEPT  
IN MATERIAL OVER 1" THICK, WHICH ARE TO BE DRILLED 1/8".  
 MEANING All field connections to be punched or drilled  
1/8" reamed to 1/8" while temporarily assembled &  
match marked or by a metal template.  
 FIELD CONNECTIONS As Shown  
 ERECTED BY The Mt. Vernon Bridge Co.

**MAIN AVENUE BRIDGE**  
 CLEVELAND, OHIO  
 EAST APPROACH  
 DETAILS OF BOTTOM CHORD NORTH TRUSS  
**THE MT. VERNON BRIDGE CO.**  
 MT. VERNON, O.  
 IN CHARGE OF White  
 MADE BY ASDW 9-638 CHECKED BY Imper 11/13  
 Trc &  
 CONT. NO. 5992 SHEET 5

1.8" 38

MS-a-b-o-d-e  
 RE-a-b-d-e-f-g-h-k-m-n-p-s-x  
 L1-a-b



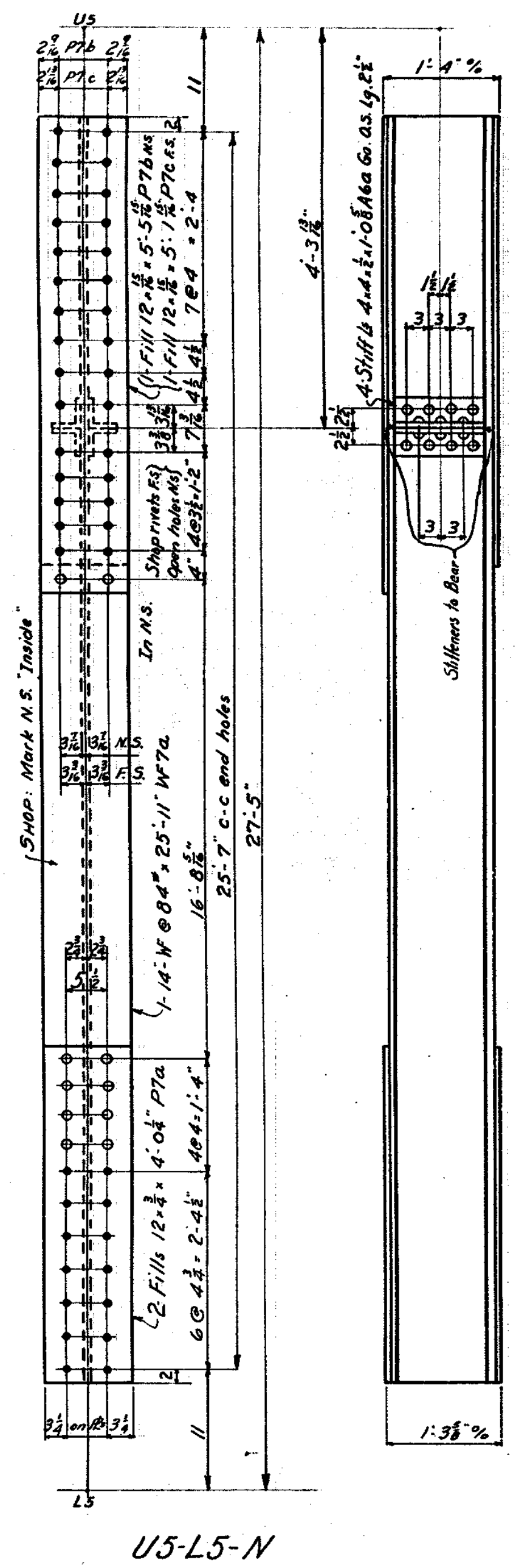
Edge & End distances 1/2 unless noted.

NO.	REQUIRED	MARK
1	Vertical	U0-L0-N
1	"	U1-L1-N
1	"	U2-L2-N
1	"	U3-L3-N
1	"	U4-L4-N

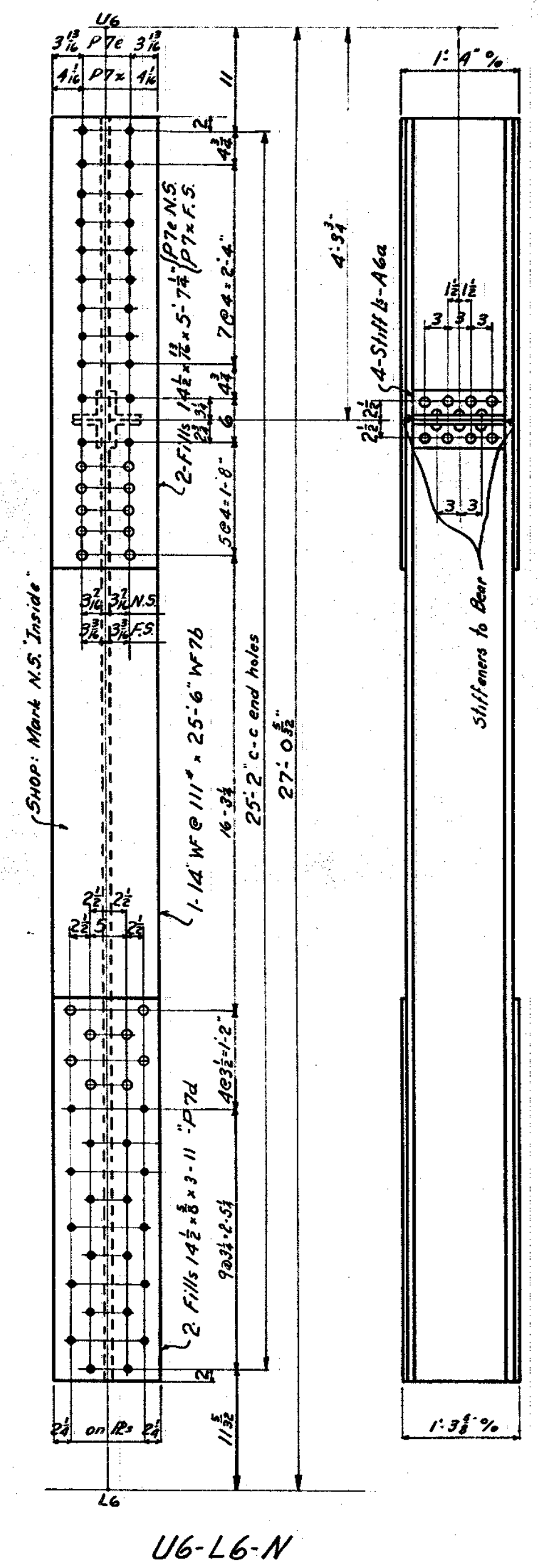
MATERIAL: O.M. Structural Steel - 0.2% copper  
 SPECIFICATIONS: Special  
 SHOP INSPECTION BY: F.T.L.  
 SHOP PAINT: Two coats priming paint, except as noted. No assembly paint to be used.  
 FIELD PAINT: See SH. E.I.  
 RIVETS: 1/2" HOLES PUNCHED & reamed to 1/2" except in material over 1" thick which are to be drilled (unless noted)  
 WELDS: All field connections to be punched or drilled & reamed to 1/2" unless temporarily assembled & match marked or to a metal template, unless noted.  
 FIELD CONNECTIONS: Rivets  
 ERECTED BY: The Mt. Vernon Bridge Co.

MAIN AVENUE BRIDGE  
 CLEVELAND, OHIO  
 EAST APPROACH  
 DETAILS OF VERTICALS NORTH TRUSS  
 THE MT. VERNON BRIDGE CO.  
 MT. VERNON, O.  
 IN CHARGE OF: White  
 MADE BY: 42220 8-31-38 CHECKED BY: Taylor  
 TRAC BY: 422  
 CONT. NO. 5992 SHEET 6

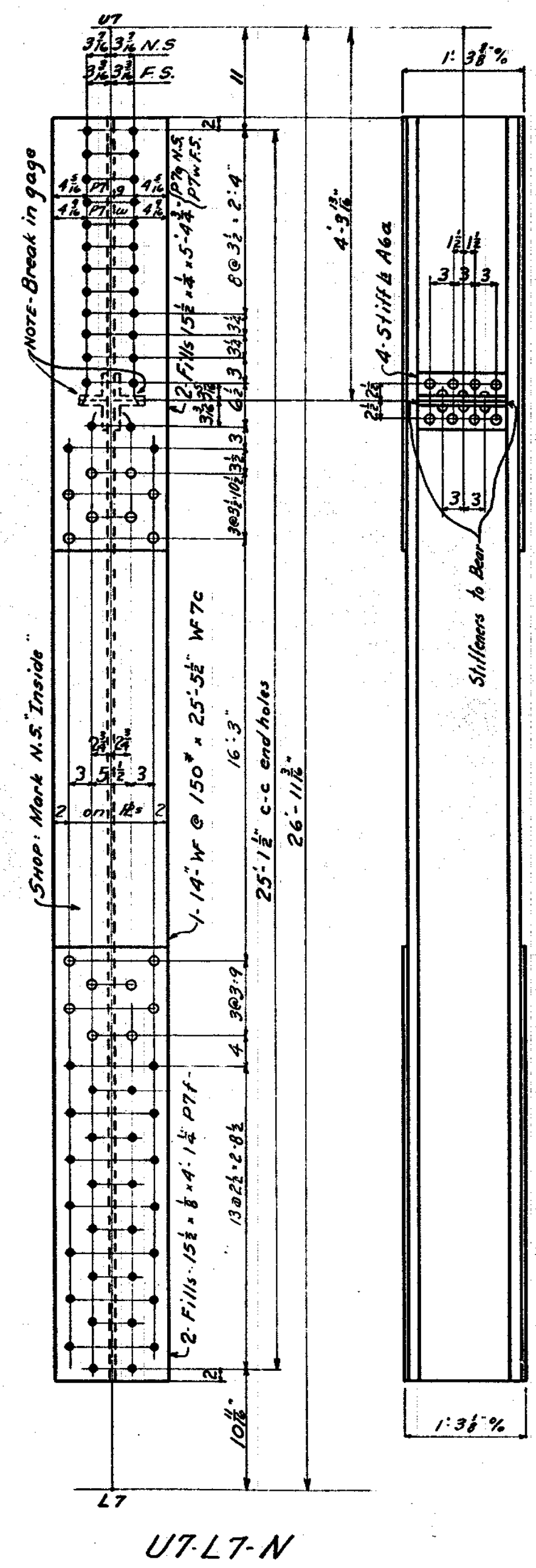
B-a-b-c-d-e-f-g-h-m-n-p-q-r-u-v-w-x-y-z  
 NS-a-b-c-d



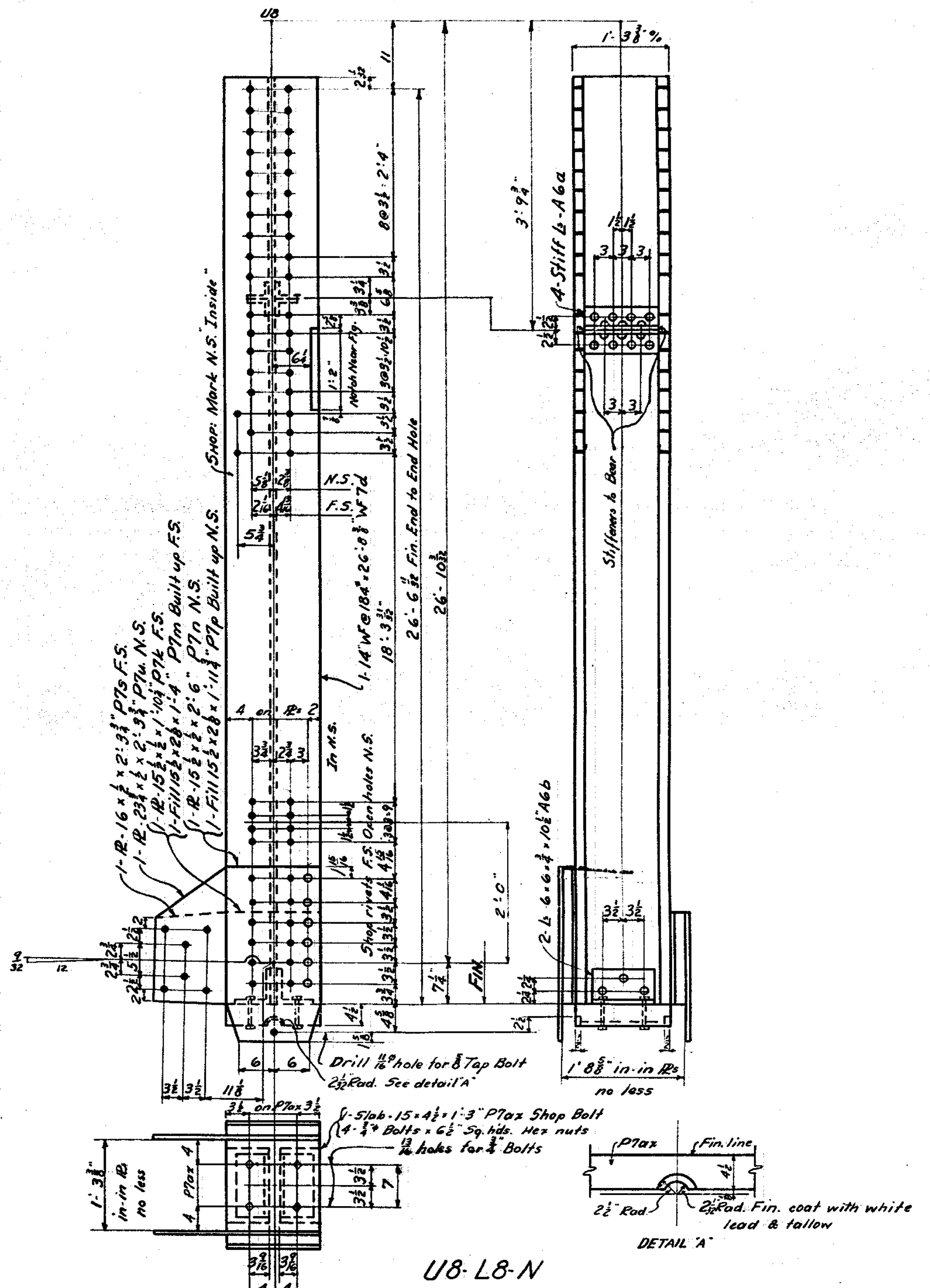
U5-L5-N



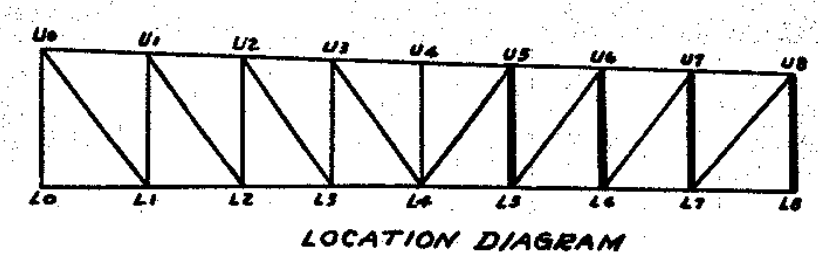
U6-L6-N



U7-L7-N



U8-L8-N



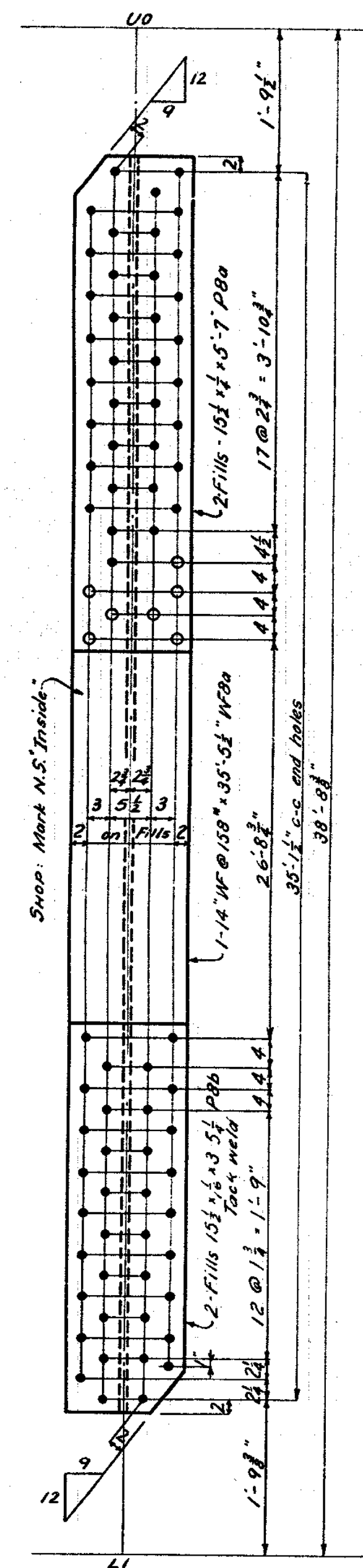
NO	REQUIRED	MARK
1	Vertical	U5-L5-N
1	"	U6-L6-N
1	"	U7-L7-N
1	"	U8-L8-N

Edge & End distances 1 1/2" Unless Noted.

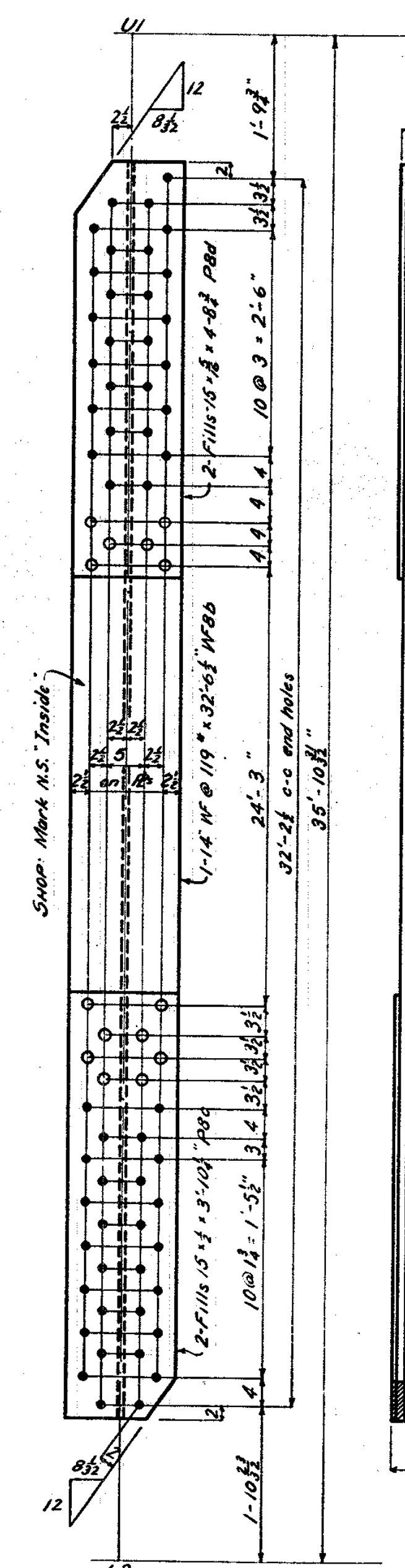
MATERIAL: C.H. Structural Steel & 2's copper  
 SPECIFICATIONS: Special  
 SHOP INSPECTION BY: P.L.L.  
 SHOP PAINT: Two coats priming paint, except as noted. No assembly paint to be used.  
 FIELD PAINT: See sub. E1.  
 RIVETS: 1" x 1" HOLES PUNCHED & returned to the except in material over 1" thick, which are to be drilled in the field. All field connections to be punched or drilled & returned to the white temporarily reassembled to match marked or to a metal template. Unless noted.  
 FIELD CONNECTIONS: RIVETS & Bolts  
 DIRECTED BY: The Mt. Vernon Bridge Co.

MAIN AVENUE BRIDGE  
 CLEVELAND, OHIO  
 EAST APPROACH  
 DETAILS OF VERTICALS NORTH TRUSS  
 THE MT. VERNON BRIDGE CO.  
 MT. VERNON, O.  
 IN CHARGE OF: White  
 MADE BY: K.E.W. 9-2-32 CHECKED BY: J. J. J. 10/2/32  
 Tr. 8.  
 CONT. NO. 5992 SHEET 7

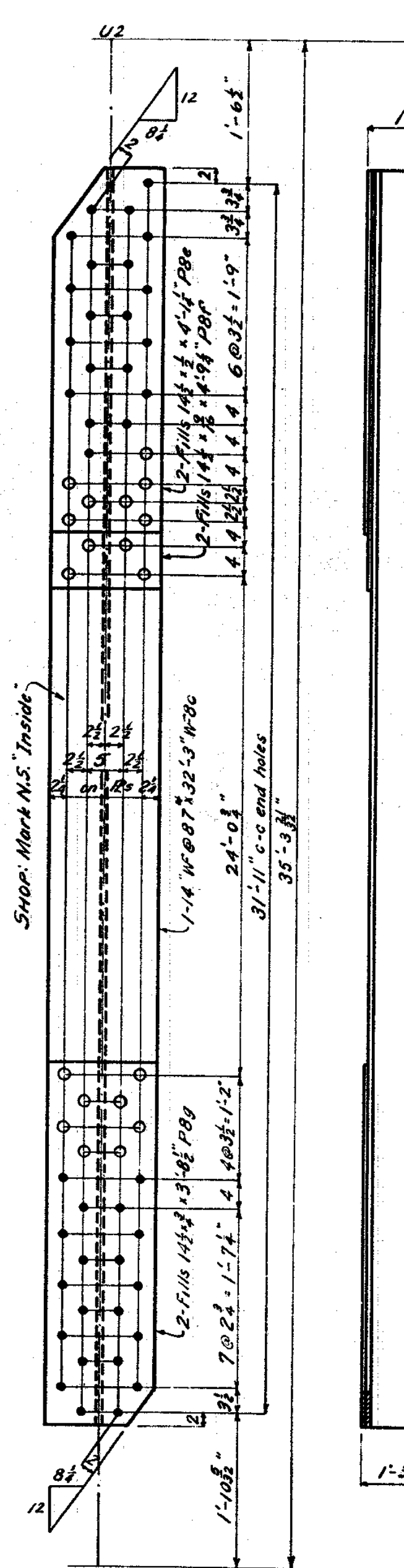
AS 2-10-2-8-1-9-4-4  
 NS-2-3-2-2



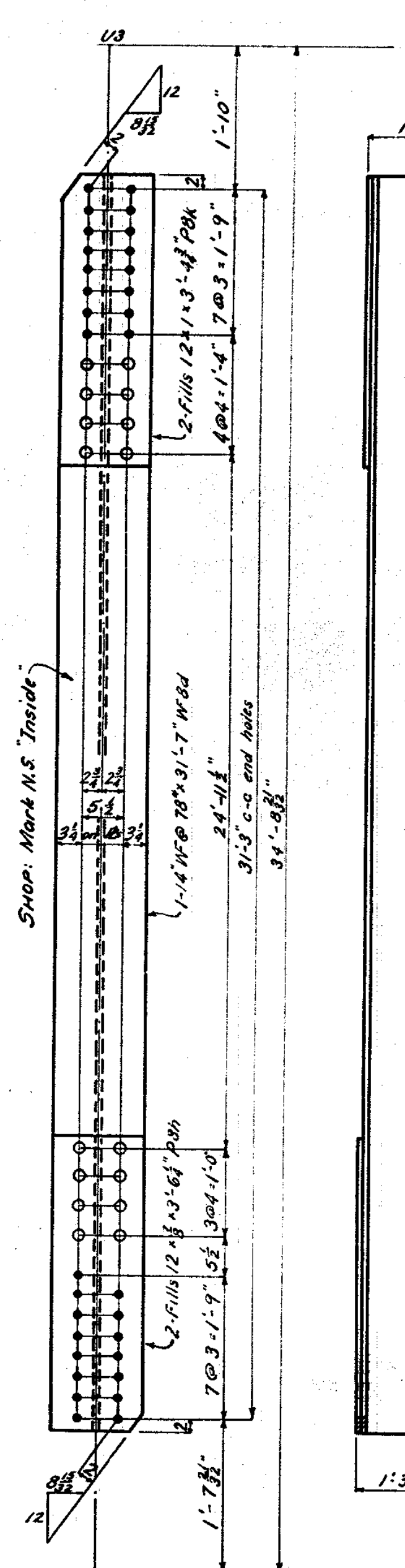
U0-L1-N



U1-L2-N



U2-L3-N



U3-L4-N

NO	REQUIRED	MARK
1	Diagonal	U0-L1-N
1	"	U1-L2-N
1	"	U2-L3-N
1	"	U3-L4-N

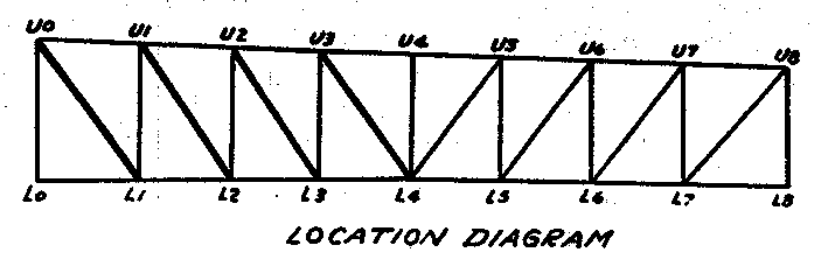
Edge & End distances 1 1/2" Unless Noted.

MATERIAL: A.H. Structural Steel & 2 Copper  
 SPECIFICATIONS: Special  
 SHOP INSPECTION BY: R.T.L.  
 SHOP PAINT: Two coats priming paint  
 No assembly paint to be used.

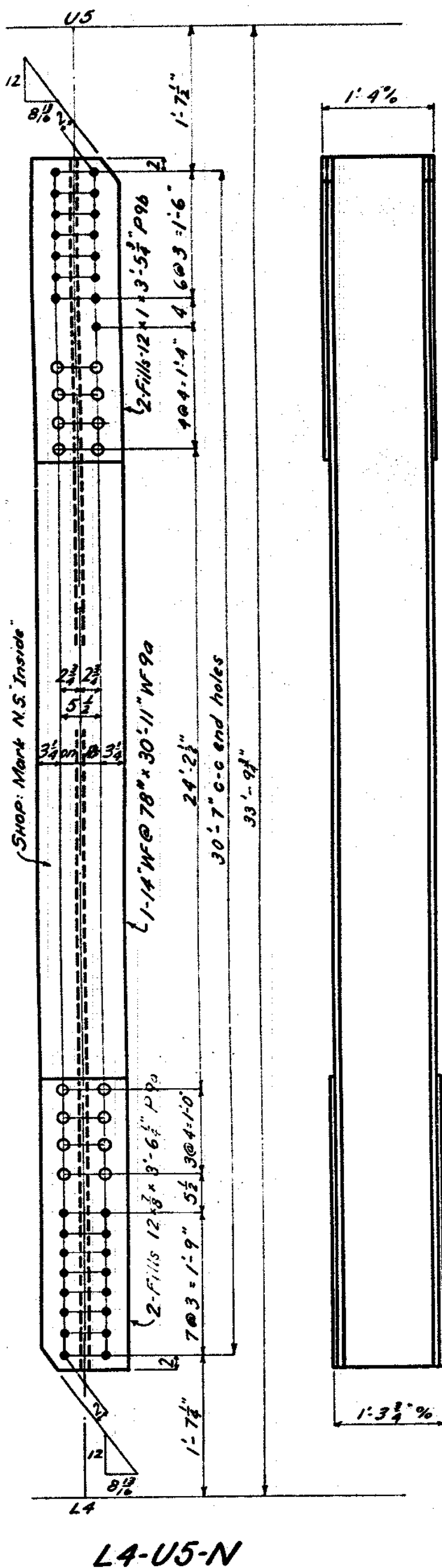
FIELD PAINT: See Sht. E1.  
 RIVETS: 1 1/2" WOLLS PUNCHES 3/8" reamed to 1/2" except in material over 1 1/2" thick which are to be drilled  
 REAMING: All field connections to be punched or drilled 1/2" & reamed to 1/2" while temporarily assembled & match-marked on to a metal template.  
 FIELD CONNECTIONS: Rivet  
 ERECTED BY: The Mt. Vernon Bridge Co.

**MAIN AVENUE BRIDGE**  
 CLEVELAND, OHIO  
 EAST APPROACH  
 DETAILS OF DIAGONALS NORTH TRUSS  
**THE MT. VERNON BRIDGE CO.**  
 MT. VERNON, O.

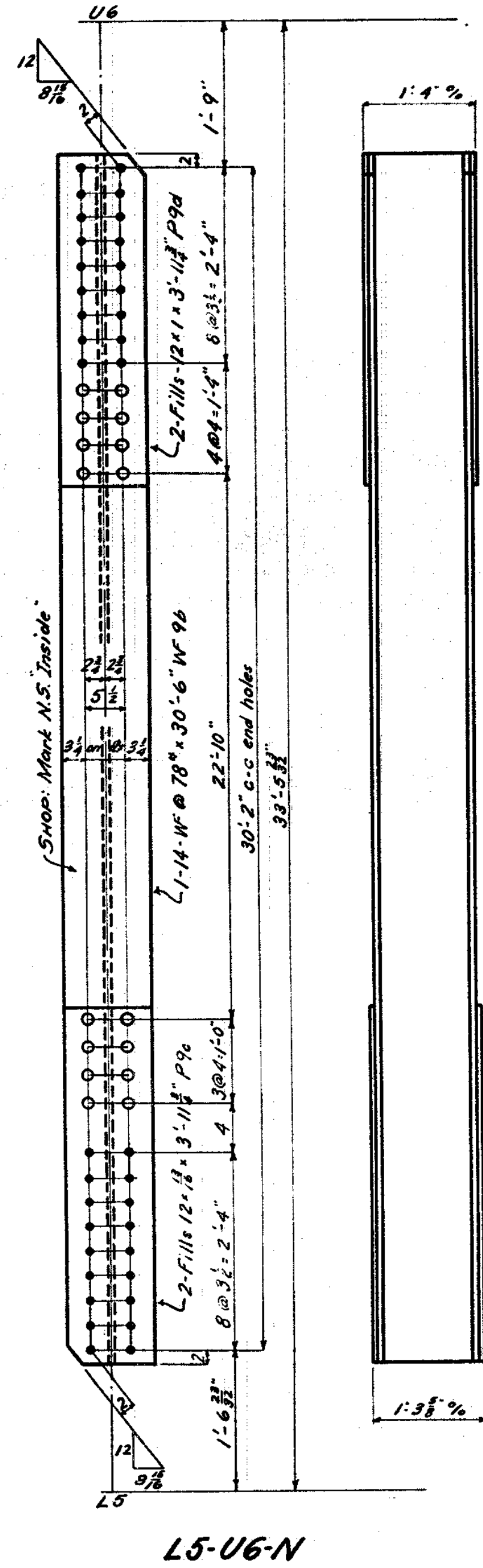
IN CHARGE OF: White  
 MADE BY: 10200 & 31-38 CHECKED BY: Taylor 7/24/38  
 TRAC. BY: J.E.R.  
 CONT. NO. 5992 SHEET 8



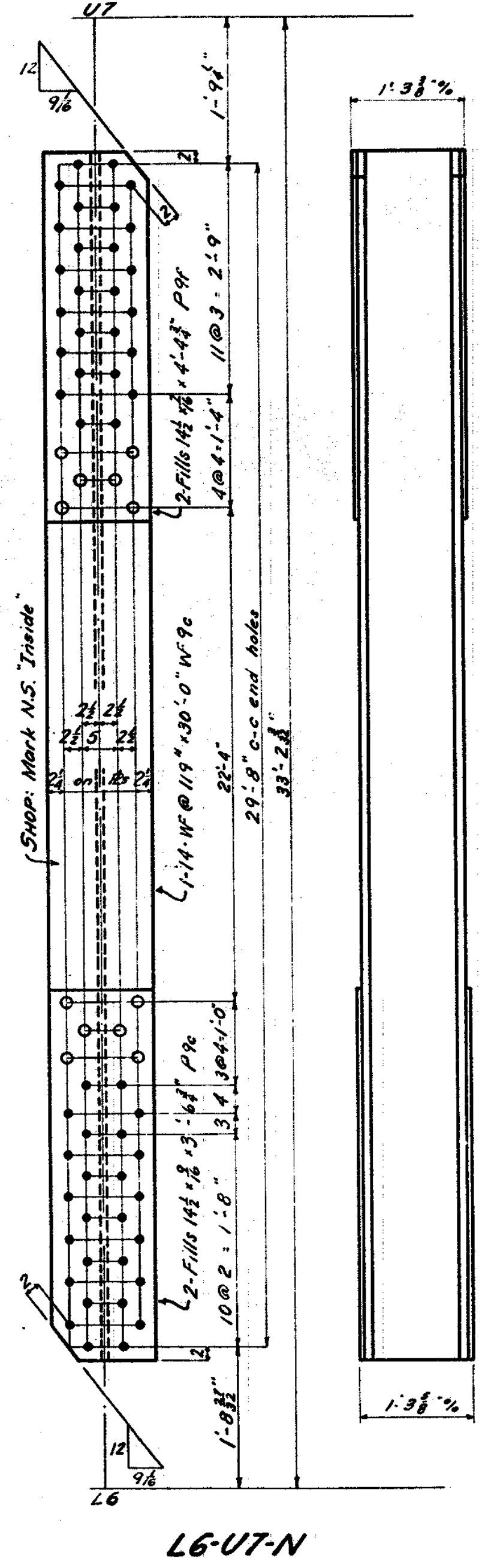
125-a-b-c-d-e-f-g  
135-a-b-c-d



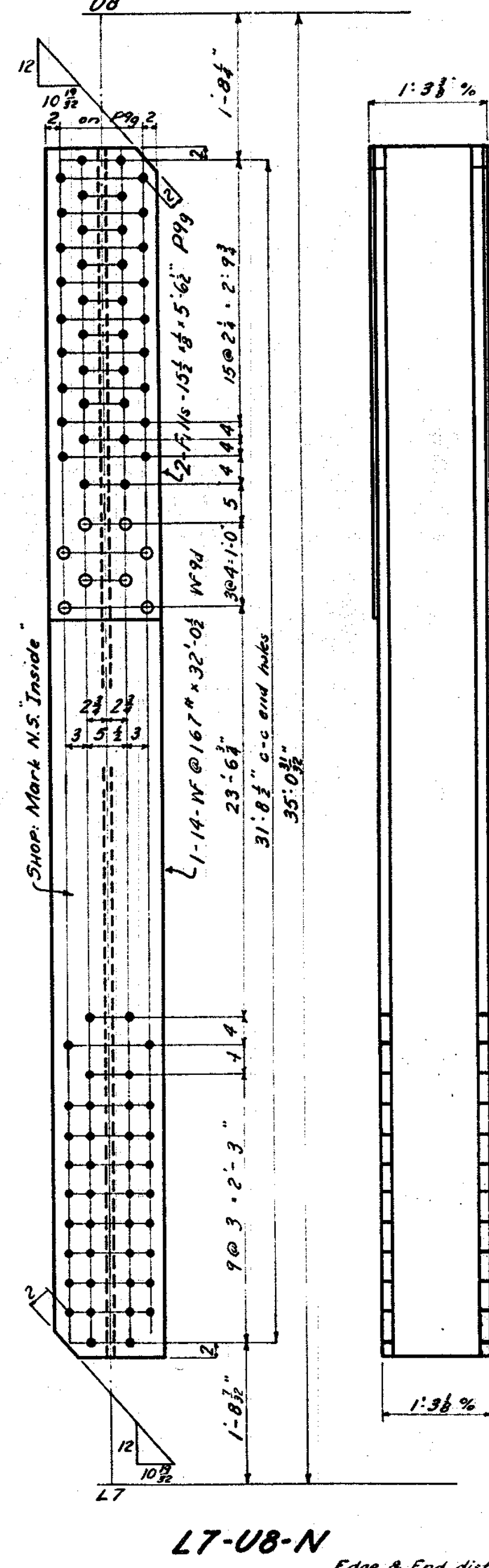
L4-U5-N



L5-U6-N



L6-U7-N



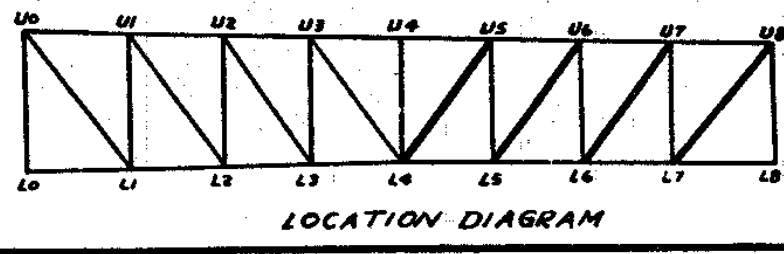
L7-U8-N

NO	REQUIRED	MARK
1	Diagonal	L4-US-N
1	"	L5-U6-N
1	"	L6-U7-N
1	"	L7-U8-N

Edge & End distances 1 1/2" Unless noted.

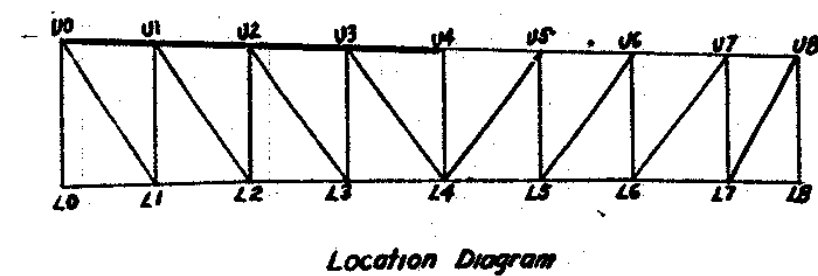
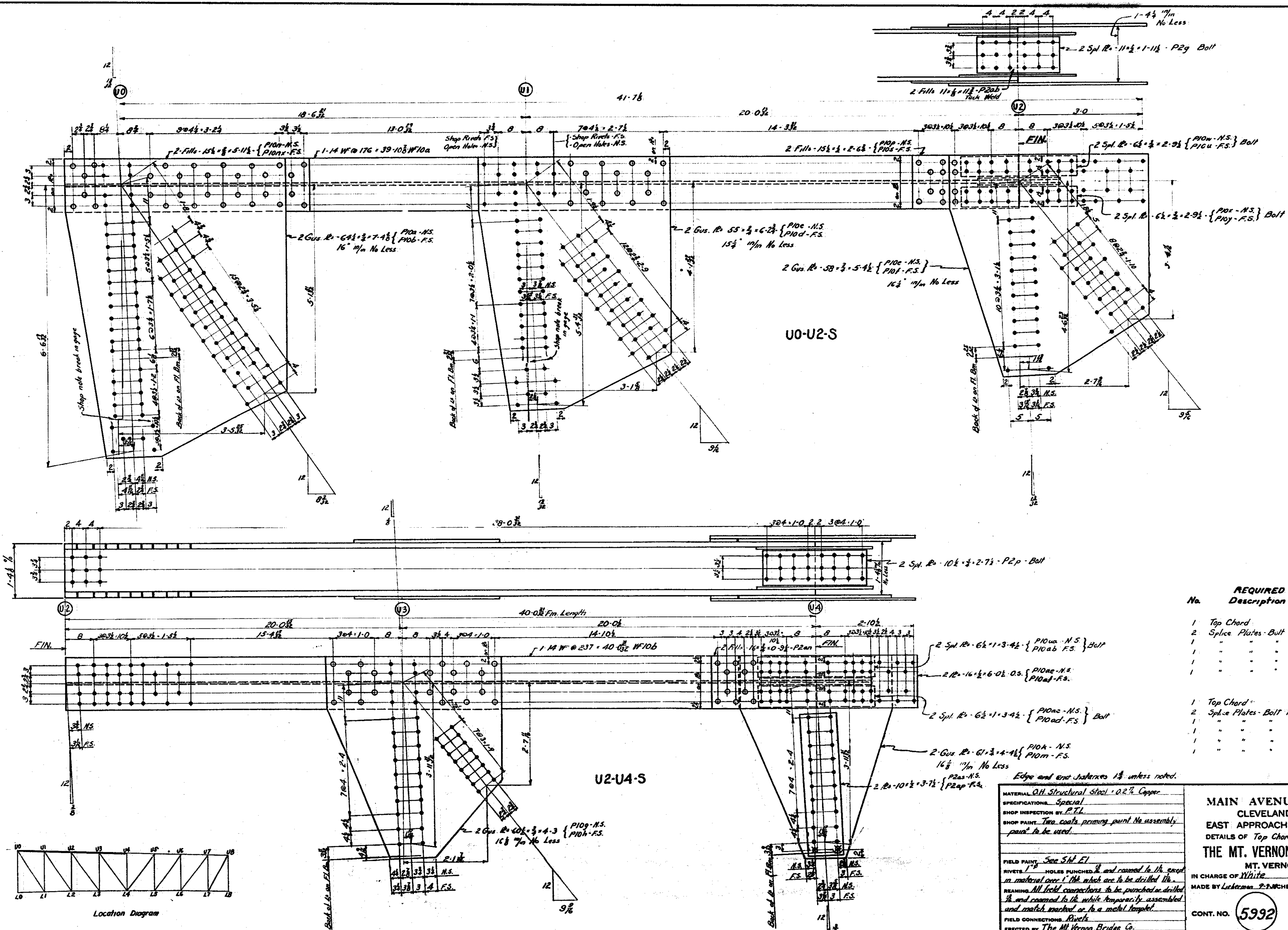
MATERIAL: Q.H. S1. w/c Luca L Steel & 2 Copper  
 SPECIFICATIONS: Special  
 SHOP INSPECTION BY: P. L. L.  
 SHOP PAINT: Two coats priming paint  
 No assembly paint to be used.  
 FIELD PAINT: See S.A. 11  
 RIVETS: 1/2" HOLES PUNCHED 3/8" except in material over 1 1/2" which are to be drilled 1/2"  
 REMAINING ALL field connections to be punched or drilled 1/2" & match marked or to a metal template.  
 FIELD CONNECTIONS: RIVETS  
 ERECTED BY: The Mt. Vernon Bridge Co.

MAIN AVENUE BRIDGE  
 CLEVELAND, OHIO  
 EAST APPROACH  
 DETAILS OF DIAGONALS NORTH TRUSS  
 THE MT. VERNON BRIDGE CO.  
 MT. VERNON, O.  
 IN CHARGE OF: White  
 MADE BY: K.E.W. 9-1-38 CHECKED BY: Taylor 9/3/38  
 TRAC. BY: J.E.B.  
 CONT. NO. 5992 SHEET 9





B. A. 556 of 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100



No.	REQUIRED LIST Description	Mark
1	Top Chord	U0-U2-S
2	Splice Plates - Bolt to U0-U2-S	P2g
1	"	P10v
1	"	P10w
1	"	P10x
1	"	P10y
1	Top Chord	U2-U4-S
2	Splice Plates - Bolt to U2-U4-S	P2p
1	"	P10aa
1	"	P10ab
1	"	P10ac
1	"	P10ad

Edge and end distances 1 1/2" unless noted.

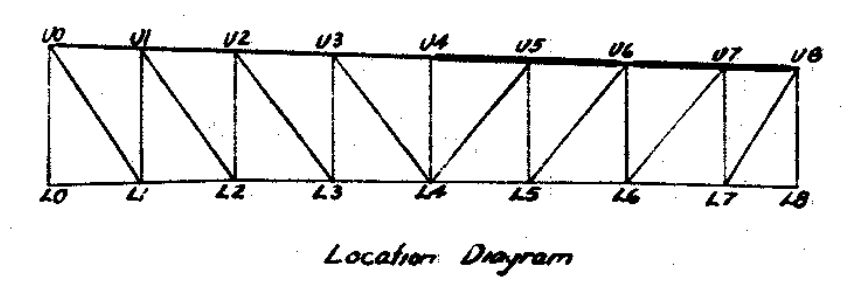
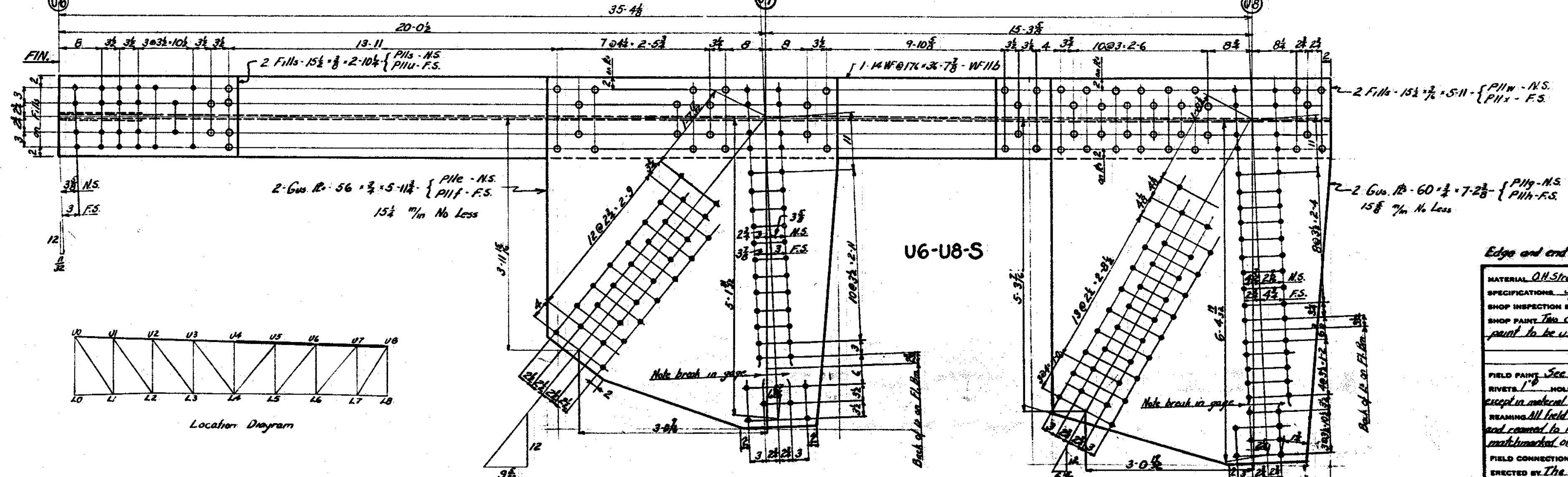
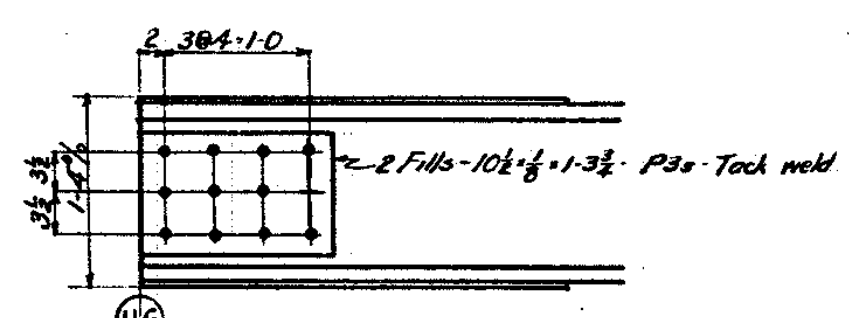
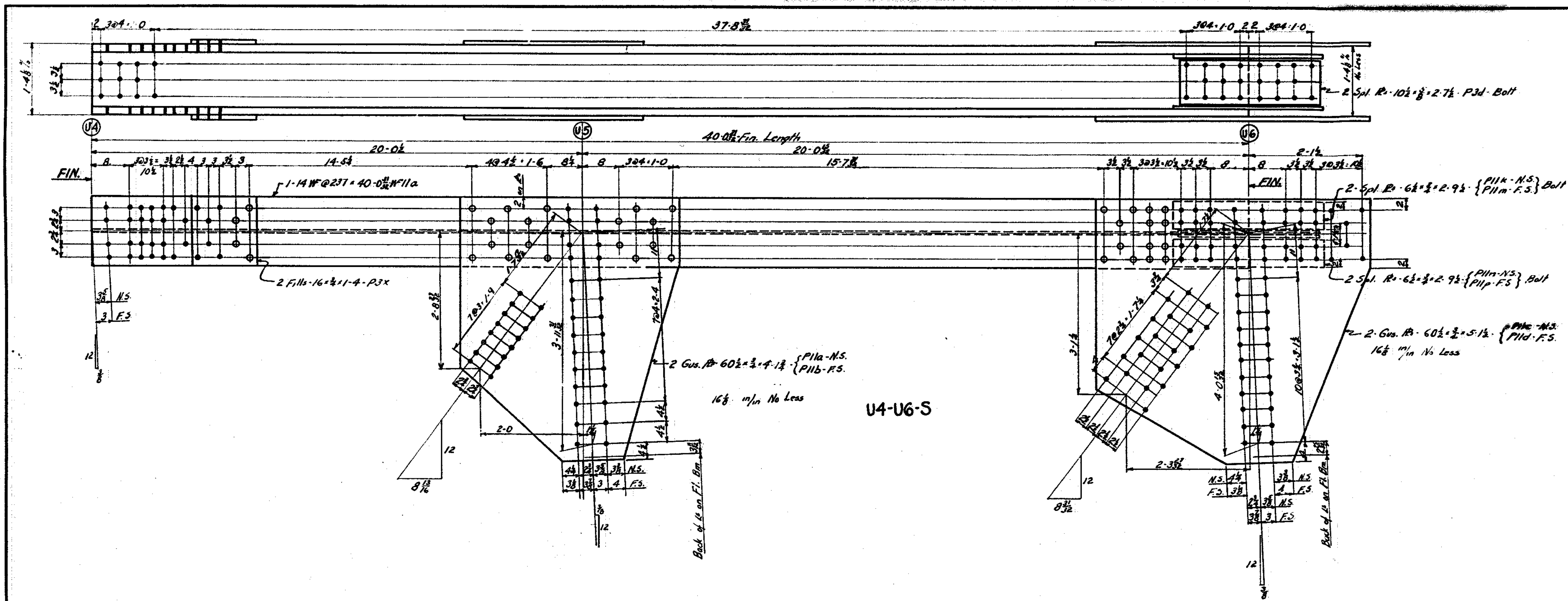
MATERIAL: A572 Structural Steel - 0.2% Copper.  
 SPECIFICATIONS: Special.  
 SHOP INSPECTION BY: P.L.L.  
 SHOP PAINT: Two coats, primer, paint. No assembly paint to be used.

FIELD PAINT: See S.H. E1  
 RIVETS: Holes punched 1/8" and rounded to the exact material over 1" dia. which are to be drilled 1/8".  
 REMAINING ALL field connections to be punched or drilled 1/8" and rounded to the hole. Temporarily assembled and match marked or to a metal template.

FIELD CONNECTIONS: Rivets  
 ERECTED BY: The Mt. Vernon Bridge Co.

**MAIN AVENUE BRIDGE**  
 CLEVELAND, OHIO  
 EAST APPROACH  
 DETAILS OF Top Chords - South Truss  
**THE MT. VERNON BRIDGE CO.**  
 MT. VERNON, O.  
 IN CHARGE OF: White  
 MADE BY: Lukeman P.L.L. CHECKED BY: Taylor P.L.L.

CONT. NO. **5992** SHEET **10**



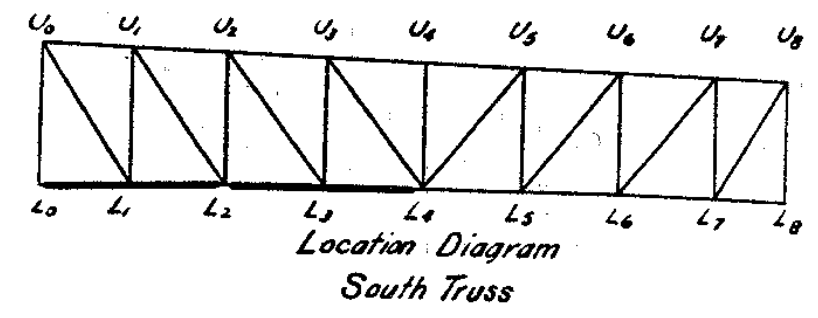
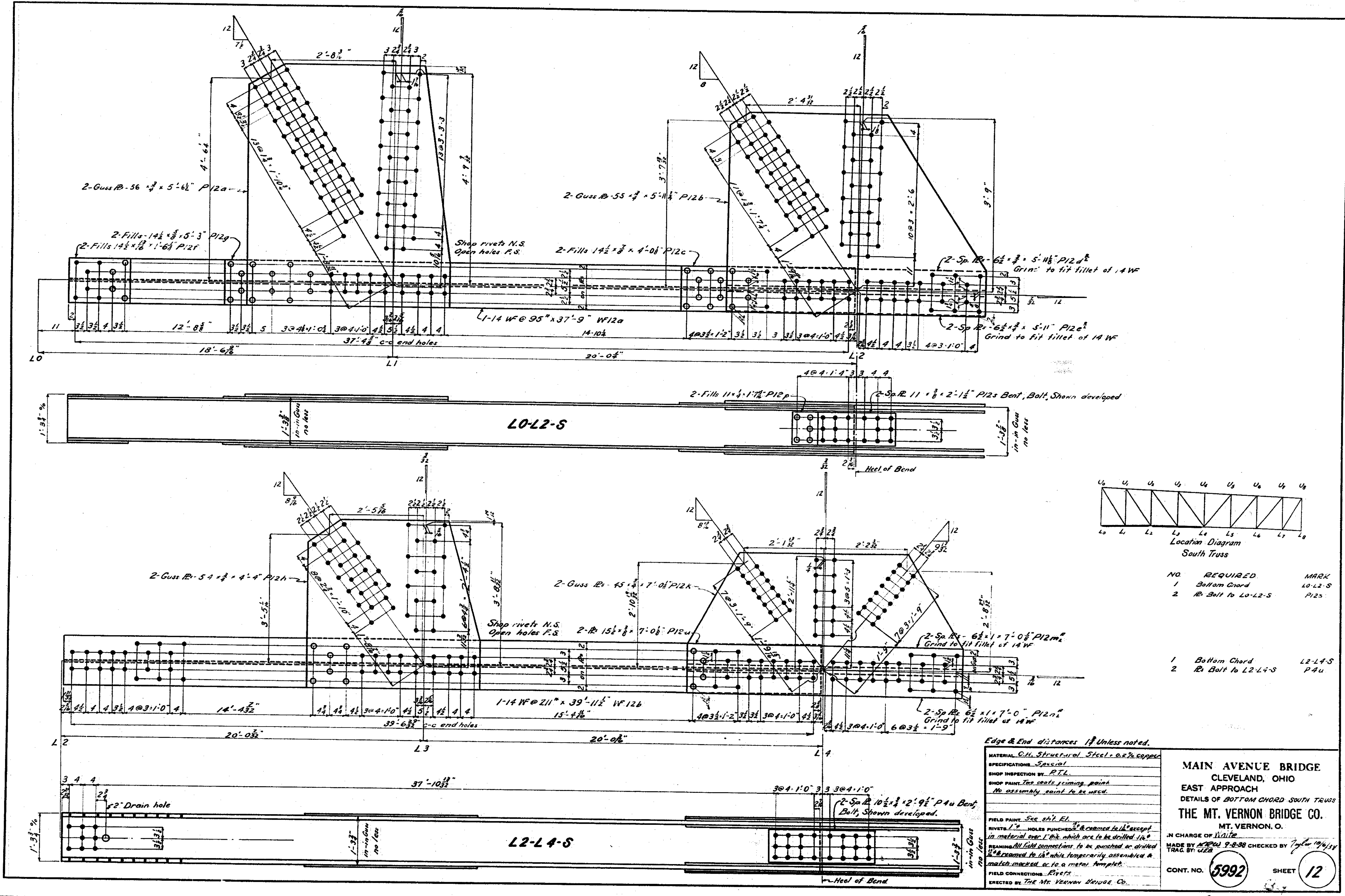
No.	REQUIRED LIST Description	Mark
1	Top Chord	U4-U6S
2	Splice Plates-Bolt to U4-U6-S	P3d
1	" " " "	P11k
1	" " " "	P11m
1	" " " "	P11n
1	" " " "	P11p
1	Top Chord	U6-U8S

Edge and end distances 1 1/2 unless noted.

MATERIAL: A36 Structural Steel, A242 Copper  
 SPECIFICATIONS: Special  
 SHOP INSPECTION BY: P.T.L.  
 SHOP PAINT: Two coats priming paint. No assembly paint to be used.  
 FIELD PAINT: See Sht. E1  
 RIVETS: 1" HOLES PUNCHED 1/8" and reamed to 1/4" except in vertical axis 1" that which are to be drilled 1/4" REMAINING field connections to be punched or drilled 1/4" and reamed to 1/4" while temporarily assembled and maintained or to a metal template.  
 FIELD CONNECTIONS: Rivets  
 DESIGNED BY: The Mt. Vernon Bridge Co.

MAIN AVENUE BRIDGE  
 CLEVELAND, OHIO  
 EAST APPROACH  
 DETAILS OF Top Chords - South Truss  
 THE MT. VERNON BRIDGE CO.  
 MT. VERNON, O.  
 IN CHARGE OF: White  
 MADE BY: L. J. ... P. B. ... CHECKED BY: ...  
 CONT. NO. 5392 SHEET 11  
 B-1

R.v.o.c.d.o.f.g.h.k.m.n.p.s.u.  
W.F.o.b.



NO.	REQUIRED	MARK
1	Bottom Chord	L0-L2-S
2	R. Bolt to L0-L2-S	P125

1	Bottom Chord	L2-L4-S
2	R. Bolt to L2-L4-S	P4U

Edge & End distances 1/8" Unless noted.

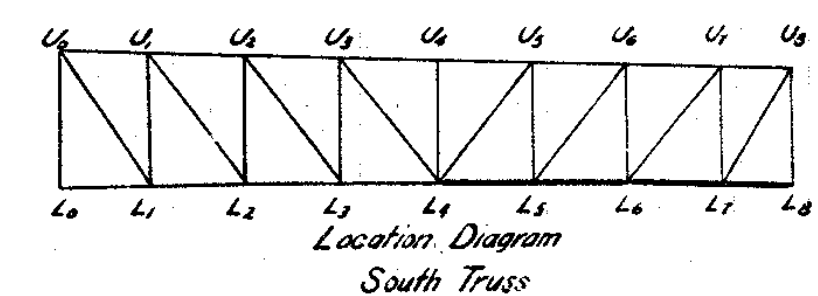
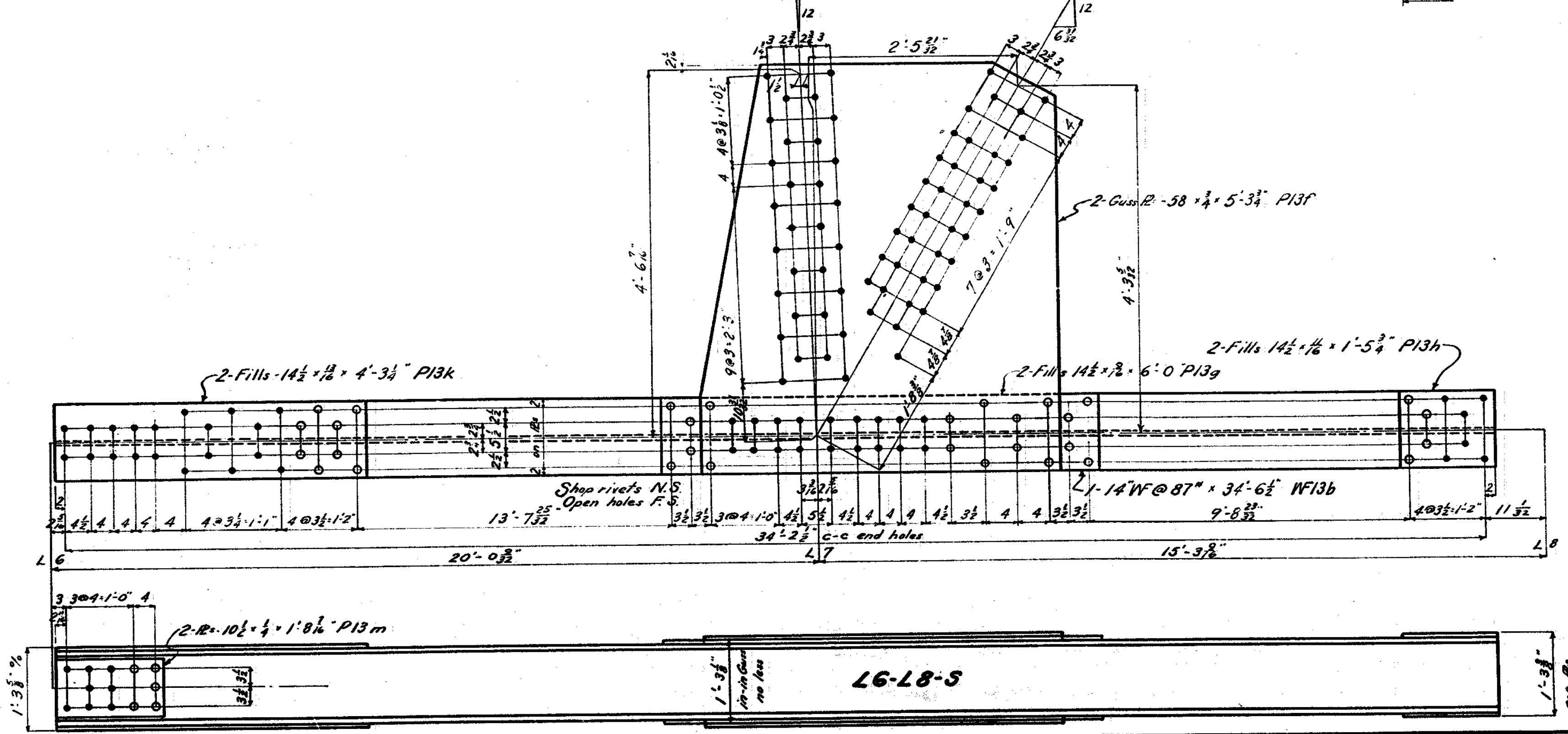
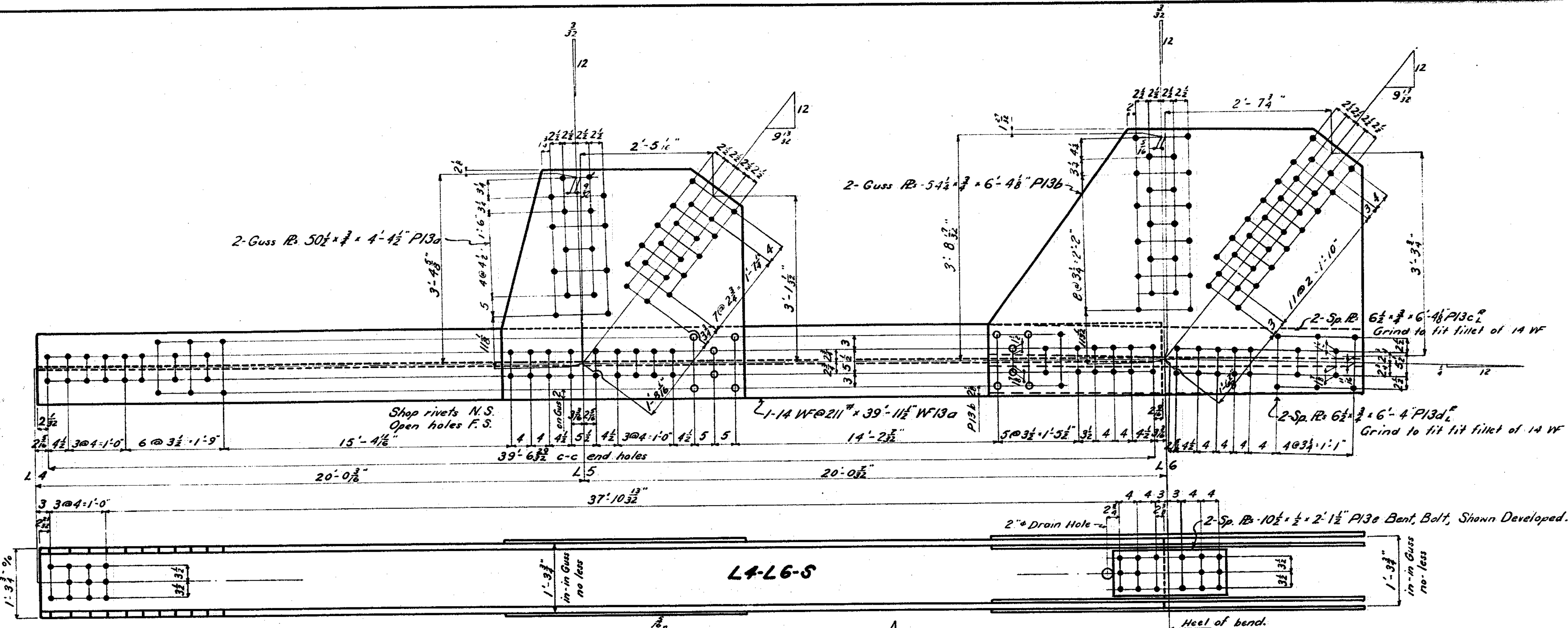
MATERIAL: C.I. Structural Steel - 2 x 2% copper  
 SPECIFICATIONS: Special  
 SHOP INSPECTION BY: P.I.L.  
 SHOP PAINT: Two coats scumming paint  
 No assembly paint to be used.

FIELD PAINT: See 317. EL.  
 RIVETS: 1" HOLES PUNCHED & reamed to 1 1/8" except in material over 1" thick which are to be drilled in.  
 REAMING: All field connections to be punched or drilled & reamed to 1 1/8" while temporarily assembled a match marked or to a metal template.  
 FIELD CONNECTIONS: Rivets  
 ERECTED BY: THE MT. VERNON BRIDGE CO.

**MAIN AVENUE BRIDGE**  
 CLEVELAND, OHIO  
 EAST APPROACH  
 DETAILS OF BOTTOM CHORD SOUTH TRUSS  
**THE MT. VERNON BRIDGE CO.**  
 MT. VERNON, O.  
 IN CHARGE OF: *Walter*  
 MADE BY: *W.F.O.* 9-8-28 CHECKED BY: *W.F.O.* 10/16/28  
 TRAC BY: *W.F.O.*

CONT. NO. **5992** SHEET **12**

R. a. b. c. d. e. f. g. h. k. m  
N. s. o. b.



NO	REQUIRED	MARK
1	Bottom Chord	L4-L6-S
2	R-Bolt to L4-L6-S	P13e

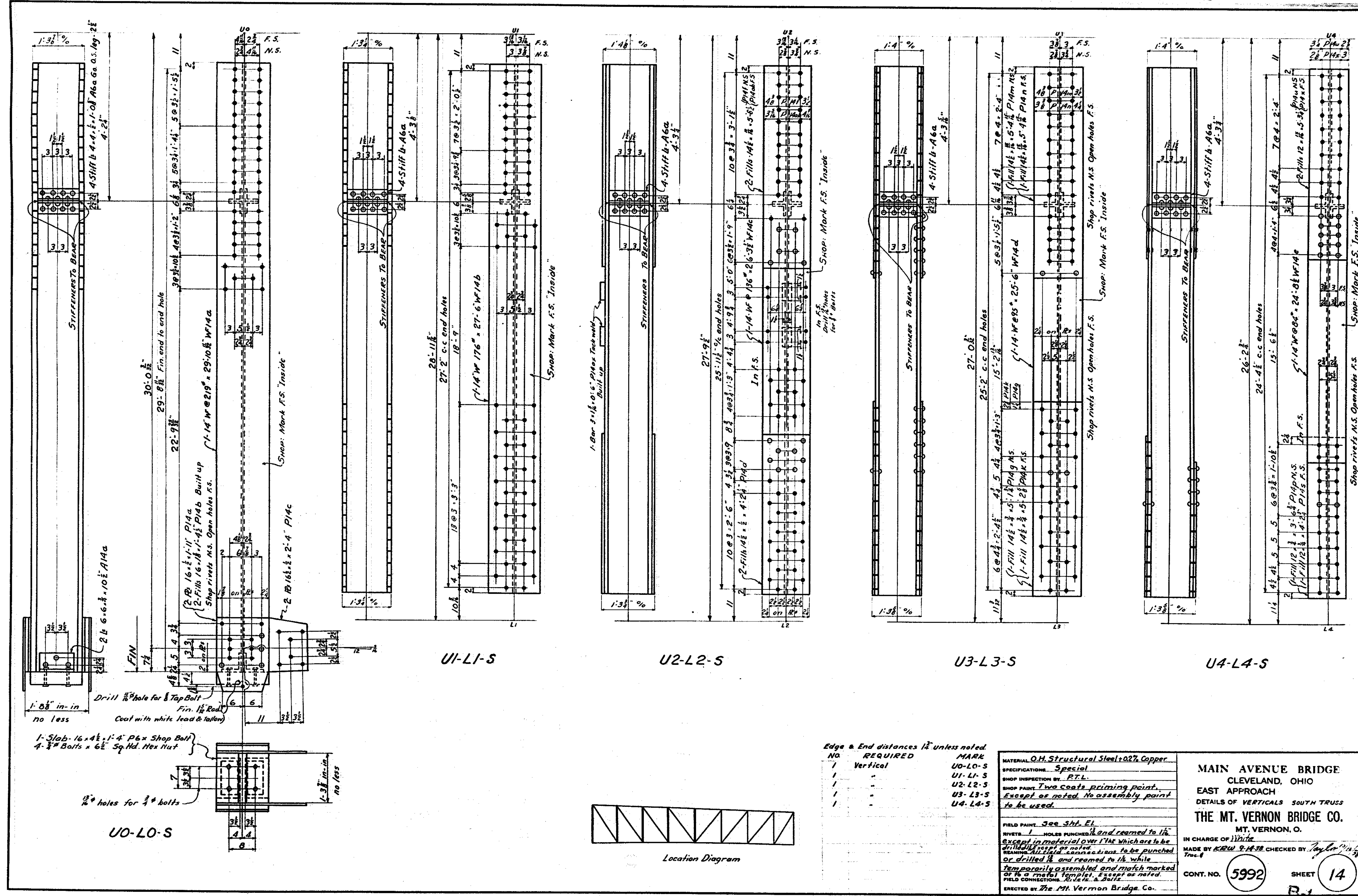
1 Bottom Chord L6-L8-S

Edge & End distance 1/2" Unless noted.

MATERIAL A.M. Structural Steel's 0.2% Copper  
SPECIFICATIONS Special  
SHOP INSPECTION BY PTL  
SHOP PAINT Two coats priming paint  
No assembly paint to be used  
FIELD PAINT See shop E.I.  
RIVETS 1/2" HOLES PUNCHED 1/8" REAMED TO 1/8" EXCEPT  
IN MATERIAL OVER 1" THICK WHICH ARE TO BE DRILLED 1/8"  
REAMING All field connections to be punched or drilled  
1/8" & reamed to 1/8" while temporarily assembled  
& match marked or to a metal template.  
FIELD CONNECTIONS Rivets  
ERECTED BY THE MT. VERNON BRIDGE CO.

MAIN AVENUE BRIDGE  
CLEVELAND, OHIO  
EAST APPROACH  
DETAILS OF BOTTOM CHORD SOUTH TRUSS  
THE MT. VERNON BRIDGE CO.  
MT. VERNON, O.  
IN CHARGE OF White  
MADE BY K.P.W. 9-2-32 CHECKED BY Taylor 9-14-32  
TRAC BY J.E.B.  
CONT. NO. 5992 SHEET 13  
Y.B. # 43

R-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-ab-ax  
 W-a-b-c-d-e  
 4-a



Edge & End distances 1/2" unless noted

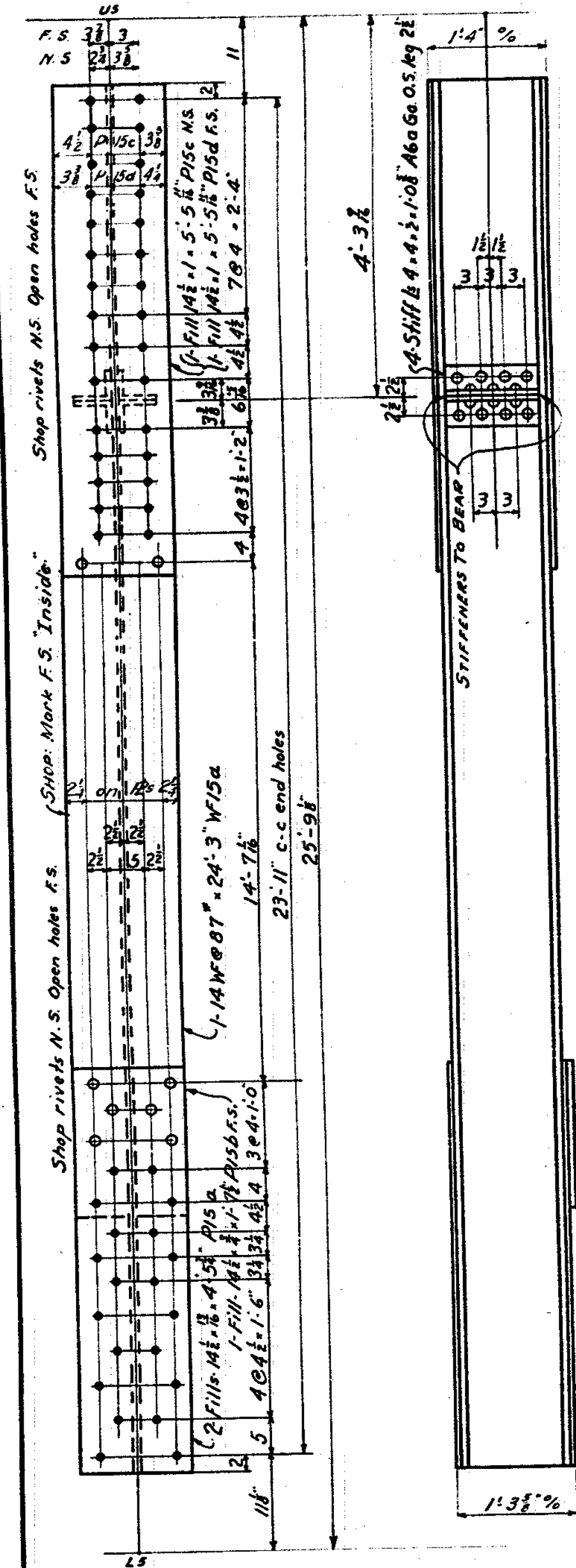
NO.	REQUIRED	MARK
1	Vertical	U0-L0-S
1	"	U1-L1-S
1	"	U2-L2-S
1	"	U3-L3-S
1	"	U4-L4-S

MATERIAL: *O.H. Structural Steel + 02% Copper*  
 SPECIFICATIONS: *Special*  
 SHOP INSPECTION BY: *PTL*  
 SHOP PAINT: *Two coats priming paint*  
*Except as noted No assembly paint to be used.*  
 FIELD PAINT: *See Sht. E1*  
 RIVETS: *1 HOLES PUNCHED and reamed to 1/16"*  
*Except in material over 1/16" which are to be drilled except as noted.*  
 REAMING: *All field connections to be punched or drilled 1/16" and reamed to 1/16" white*  
 TEMPORARILY ASSEMBLED AND MATCH MARKED AT 1/4" A METAL TEMPLAT. EXCEPT AS NOTED. FIELD CONNECTIONS: *1/16" & 3/16"*  
 ERECTED BY: *The Mt. Vernon Bridge Co.*

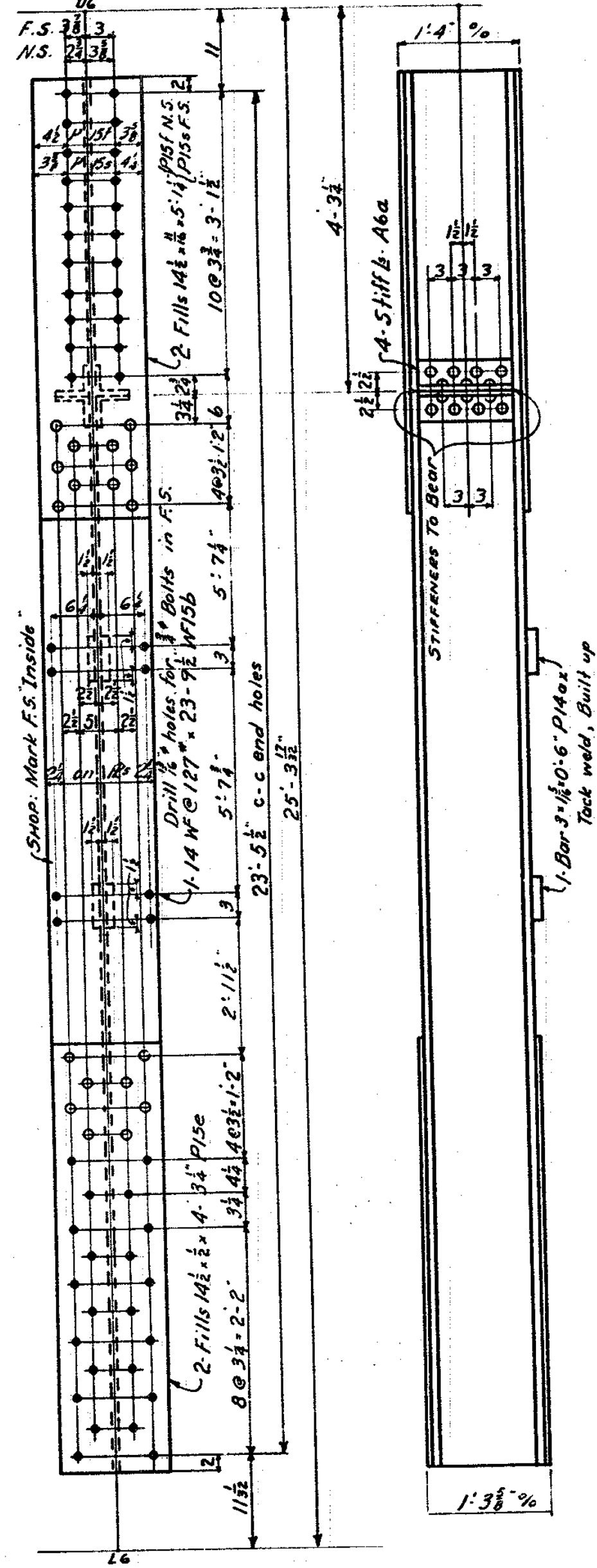
**MAIN AVENUE BRIDGE**  
 CLEVELAND, OHIO  
 EAST APPROACH  
 DETAILS OF VERTICALS SOUTH TRUSS  
**THE MT. VERNON BRIDGE CO.**  
 MT. VERNON, O.  
 IN CHARGE OF: *White*  
 MADE BY: *KEW P.M. 38* CHECKED BY: *Taylor P.M. 37*  
 CONT. NO. **5992** SHEET **14**  
 ERCTED BY: *The Mt. Vernon Bridge Co.*

KB 44

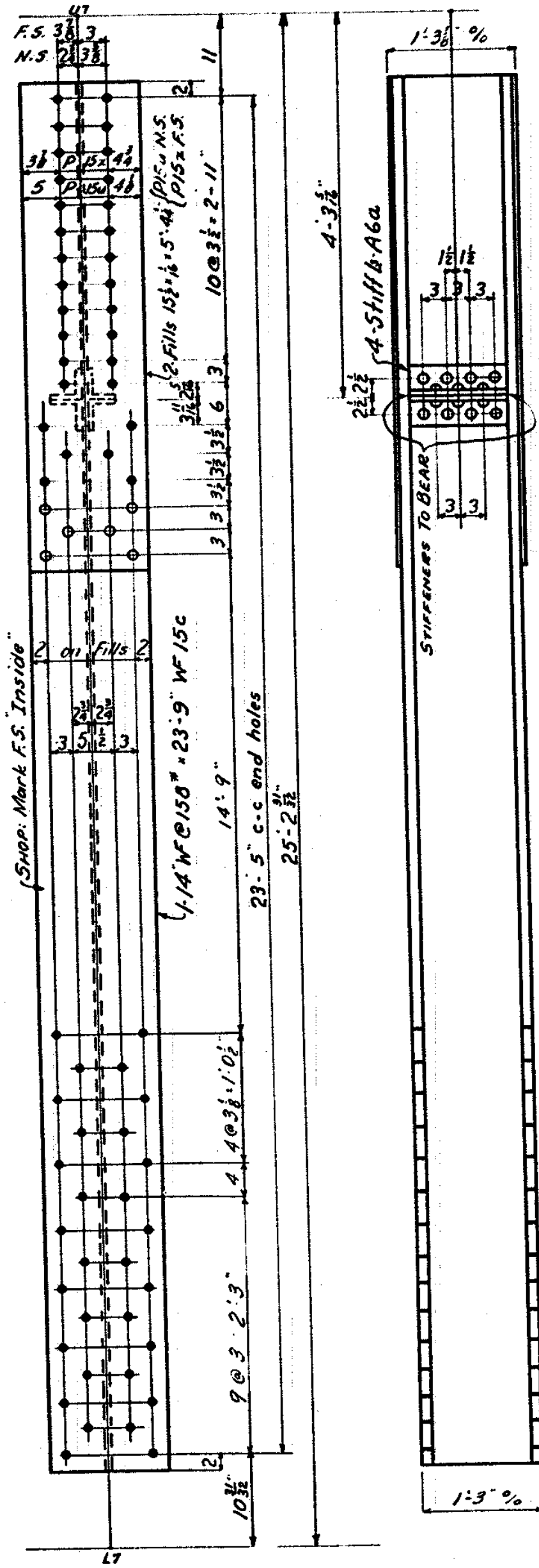
R. a. b. c. d. e. f. g. h. k. m. n. p. s. u. v. z  
 W. a. b. c. d.



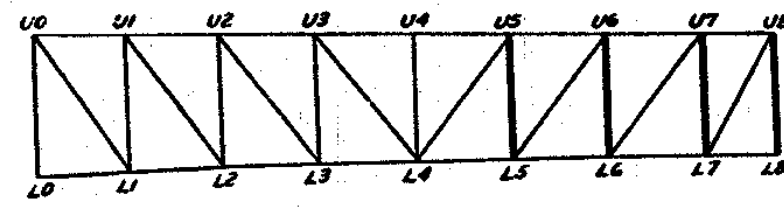
U5-L5-S



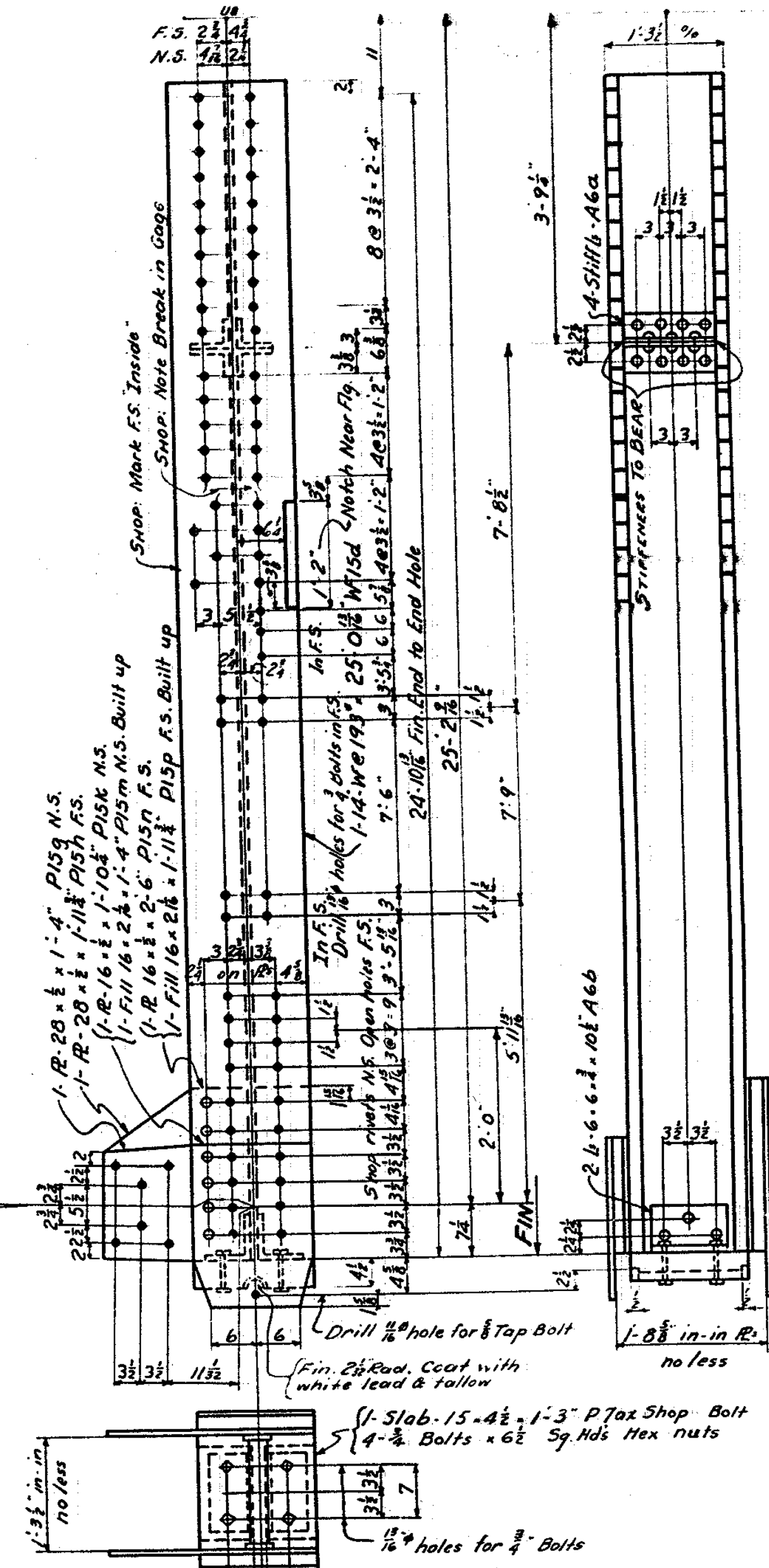
U6-L6-S



U7-L7-S



Location Diagram



U8-L8-S

NO.	REQUIRED	MARK
1	Vertical	U5-L5-S
1	"	U6-L6-S
1	"	U7-L7-S
1	"	U8-L8-S

Edge & End distances 1 1/2" Unless noted.

MATERIAL: O.M. Structural Steel ± 0.2% Copper  
 SPECIFICATIONS: Special  
 SHOP INSPECTION BY: P.T.L.  
 SHOP PAINT: Two coats priming paint  
Except as noted, No assembly paint to be used.  
 FIELD PAINT: See Sht. E1.  
 RIVETS: 1/2" HOLES PUNCHED 1/8" and reamed to 1/4"  
except in material over 1" thick which are to be drilled 1/8" as noted.  
BEARING AND TENSILE CONNECTIONS TO BE PUNCHED OR DRILLED 1/8" and reamed to 1/4" while temporarily assembled and match marked or to a metal template, except as noted.  
 FIELD CONNECTIONS: See 15" Bolt.  
 DIRECTED BY: The Mt. Vernon Bridge Co.

MAIN AVENUE BRIDGE  
 CLEVELAND, OHIO  
 EAST APPROACH  
 DETAILS OF VERTICALS SOUTH TRUSS  
 THE MT. VERNON BRIDGE CO.  
 MT. VERNON, O.

IN CHARGE OF: White  
 MADE BY: MEP 2-16-28 CHECKED BY: Taylor 7/2/28  
 Trc. 8  
 CONT. NO. 5992 SHEET 15  
 B.1

K.D. 44.13