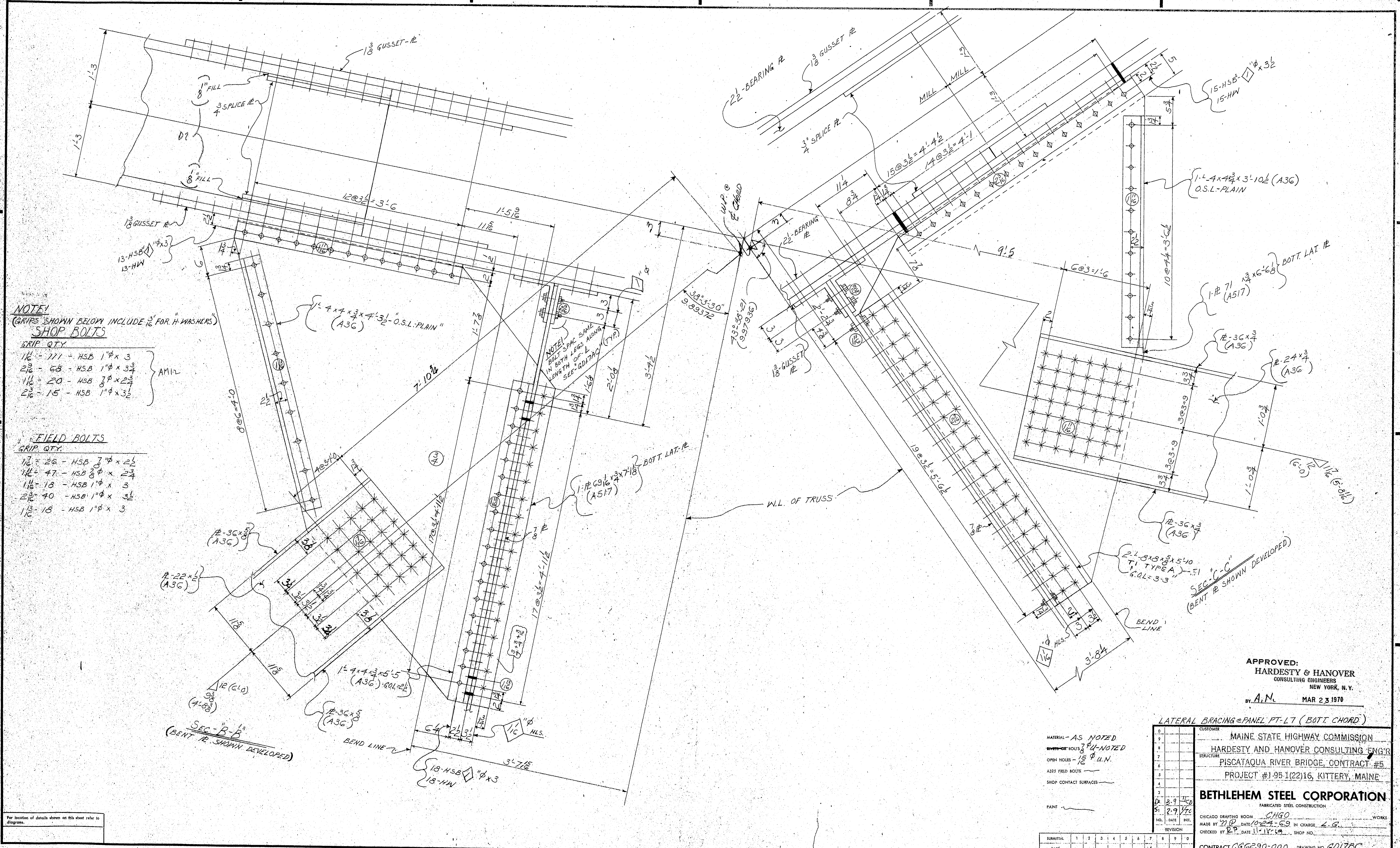
$1\frac{3}{8}$ GUSSET-PL
$\frac{3}{4}$ SPLICE PL
8" FILL
D?
$1\frac{3}{8}$ GUSSET PL
13-HSB 1"φ x 3
13-HW
12@$3\frac{1}{2}$=3'-6
$1'-5\frac{9}{16}$
1-L 4x4x$\frac{3}{4}$x4'-$3\frac{1}{2}$" O.S.L. PLAIN (A36)
8@6=4'-0
7'-$10\frac{3}{4}$
NOTE! BOLT SPAC. SAME IN BOTH LEGS ALONG LENGTH OF L SEE-GD17AC (TYP.)
1-PL 63/16 x $\frac{3}{4}$ x 7'-8 BOTT. LAT.-PL (A517)
PL-36x$\frac{5}{8}$ (A36)
PL-22x$\frac{1}{2}$ (A36)
1-L 4x4x$\frac{3}{4}$x5'-5 (A36) G.OL.=$2\frac{1}{2}$
PL-36x$\frac{5}{8}$ (A36)
SEC-"B-B" (BENT PL SHOWN DEVELOPED)
BEND LINE
18-HSB 1"φ x3
18-HW
$3'-7\frac{15}{16}$
W.P. @ CL CHORD
W.L. OF TRUSS
$2\frac{1}{2}$-BEARING PL
$1\frac{3}{8}$ GUSSET PL
$\frac{3}{4}$ SPLICE PL
MILL MILL
15@$3\frac{1}{2}$=4'-$4\frac{1}{2}$
14@$3\frac{1}{2}$=4'-1
15-HSB 1"φ x $3\frac{1}{2}$
15-HW
1-L 4x$4\frac{3}{4}$x3'-$10\frac{1}{2}$ (A36) O.S.L.-PLAIN
10@4=3'-4
9'-5
6@3=1'-6
1-PL 71 x $\frac{3}{4}$ x 6'-8 BOTT. LAT. PL (A517)
PL-36x$\frac{3}{4}$ (A36)
PL-24x$\frac{3}{4}$ (A36)
PL-36x$\frac{3}{4}$ (A36)
19@$3\frac{1}{2}$=5'-$6\frac{1}{2}$
2-L 8x8x$\frac{5}{8}$x5'-10 TYPE A G.OL.=3-3
SEC-"C-C" (BENT PL SHOWN DEVELOPED)
BEND LINE
$3'-8\frac{1}{4}$
1" φ HLS.

NOTE!
(GRIPS SHOWN BELOW INCLUDE $\frac{3}{16}$" FOR H-WASHERS)

SHOP BOLTS

GRIP QTY.

$1\frac{11}{16}$ - 111 - HSB 1"φ x 3
$2\frac{9}{16}$ - 68 - HSB 1"φ x $3\frac{3}{4}$
$1\frac{11}{16}$ - 20 - HSB $\frac{7}{8}$φ x $2\frac{3}{4}$
$2\frac{3}{16}$ - 15 - HSB 1"φ x $3\frac{1}{2}$

AM12

FIELD BOLTS

GRIP QTY.

$1\frac{7}{16}$ - 26 - HSB $\frac{7}{8}$"φ x $2\frac{1}{2}$
$1\frac{11}{16}$ - 47 - HSB $\frac{7}{8}$φ x $2\frac{3}{4}$
$1\frac{11}{16}$ - 18 - HSB 1"φ x 3
$2\frac{3}{16}$ - 40 - HSB 1"φ x $3\frac{1}{2}$
$1\frac{13}{16}$ - 18 - HSB 1"φ x 3

For location of details shown on this sheet refer to diagrams.

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CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. MAR 23 1970

LATERAL BRACING @ PANEL PT-L7 (BOTT. CHORD)

MATERIAL - AS NOTED
~~RIVETS OR~~ BOLTS $\frac{7}{8}$φ U-NOTED
OPEN HOLES - $\frac{15}{16}$φ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
Dr.	3-9	TJCD
S1	2-9	TC
REVISION		

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

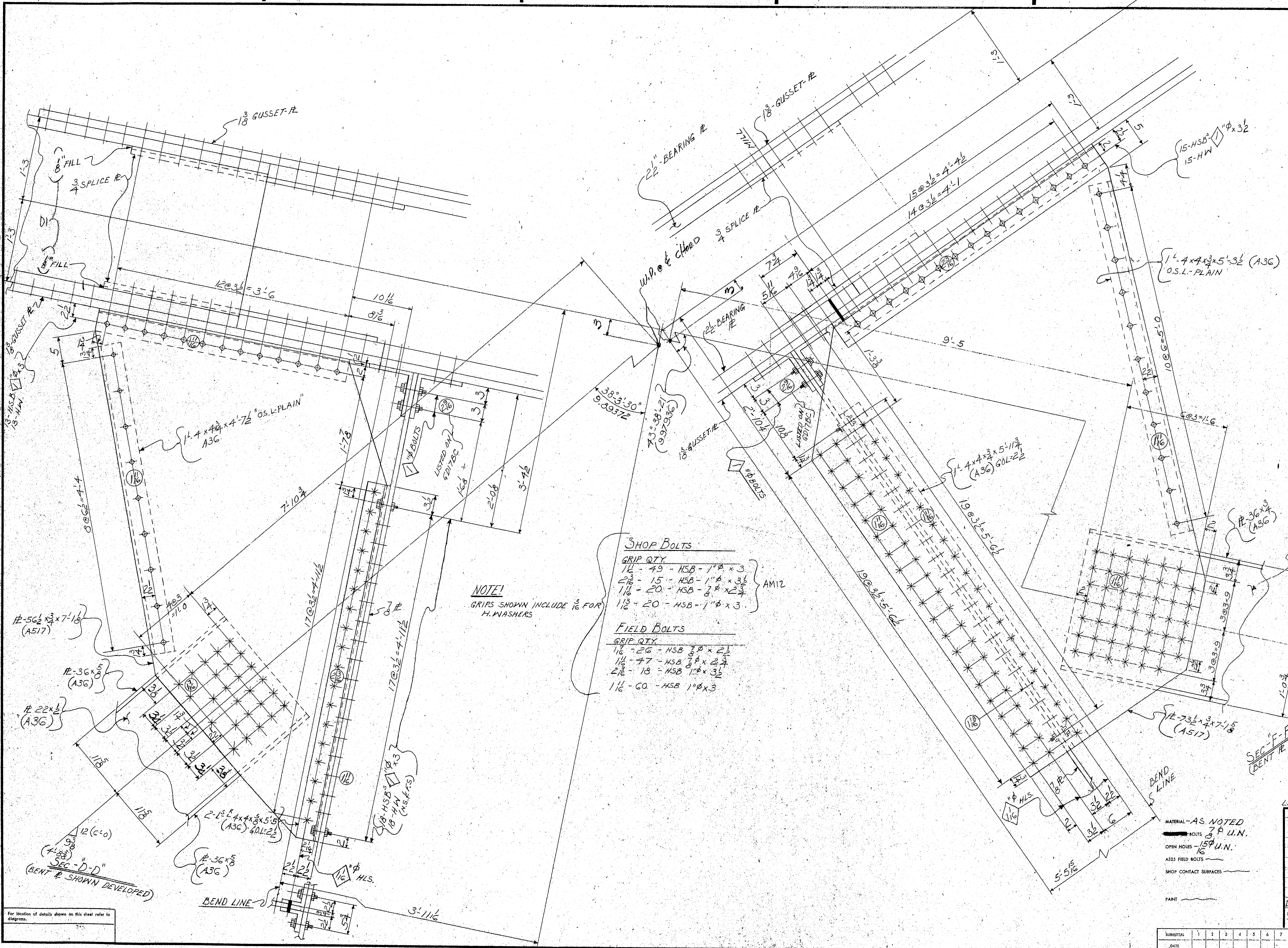
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO WORKS
MADE BY MP DATE 10-24-69 IN CHARGE L.G.
CHECKED BY RP DATE 11-18-69 SHOP NO.
CONTRACT CGG290-000 DRAWING NO. GD17BC

133:95

36663 (1-65)

Not Responsible For
Design of This Member
Nov Smoy Ka Rop



SHOP BOLTS

GRIP	QTY.		
1 11/16	49	HSB – 1"φ x 3	AM12
2 3/16	15	HSB – 1"φ x 3 1/2	
1 11/16	20	HSB – 7/8φ x 2 3/4	
1 13/16	20	HSB – 1"φ x 3	

FIELD BOLTS

GRIP	QTY.	
1 7/16	26	HSB 7/8φ x 2 1/2
1 11/16	47	HSB 7/8φ x 2 3/4
2 3/16	18	HSB 1"φ x 3 1/2
1 11/16	60	HSB 1"φ x 3

For location of details shown on this sheet refer to diagrams.

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CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. MAR 23 1970

LATERAL BRACING @ PANEL PT-L7 (BOTT. CHORD)

MATERIAL – AS NOTED
[redacted] BOLTS 7/8φ U.N.
OPEN HOLES – 15/16φ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
D1	3-9	CB

REVISION

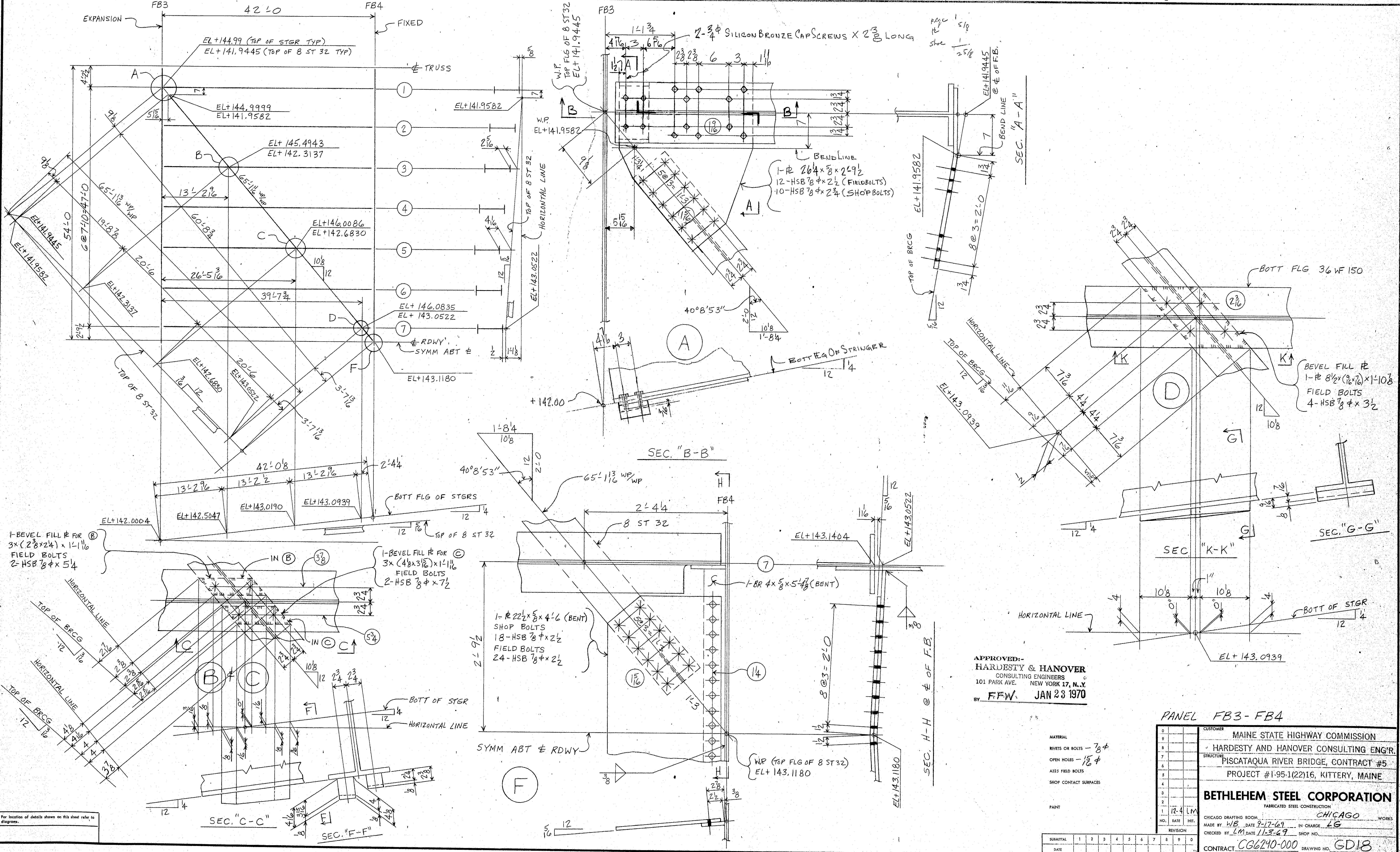
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHGO. WORKS
MADE BY NP DATE 10-28-69 IN CHARGE L.G.
CHECKED BY RP DATE 11-13-69 SHOP NO.
CONTRACT CGG290-000 DRAWING NO. GD1766

36663 (1-65)

133:96



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BY FFW JAN 23 1970

PANEL FB3-FB4

MATERIAL
RIVETS OR BOLTS — 7/8 ϕ
OPEN HOLES — 15/16 ϕ
A325 FIELD BOLTS
SHOP CONTACT SURFACES

PAINT

NO.	DATE	INIT.
0		
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1	12-4	LM

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 9-17-69 IN CHARGE LG
CHECKED BY LM DATE 11-3-69 SHOP NO.
CONTRACT CG6240-000 DRAWING NO. GD18

For location of details shown on this sheet refer to diagrams.

	a	b	c
a			
b			
c			
d			
f			
g			
h			
k			
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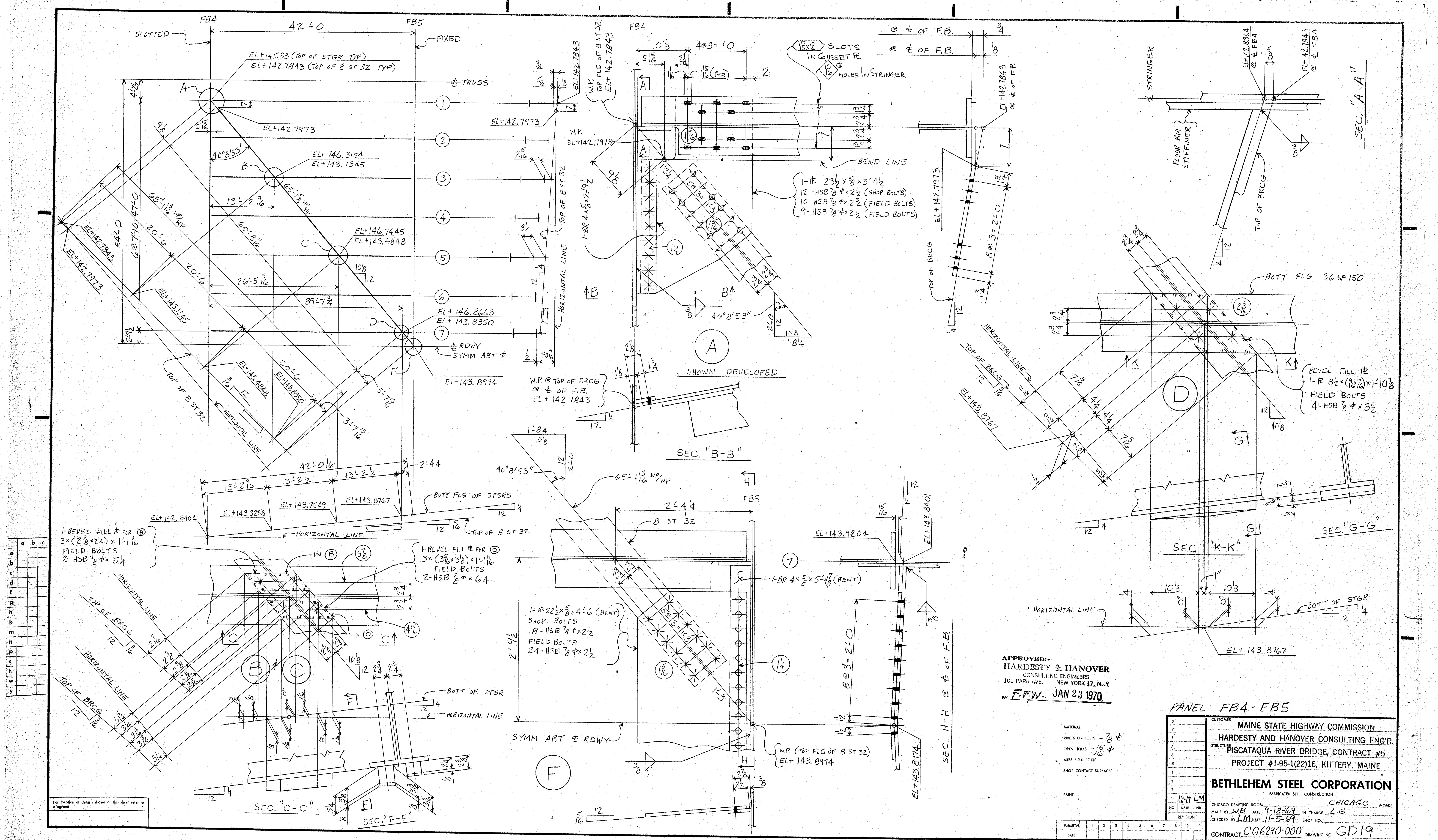
p			
s			
t			
w			
y			

36663 (1-65)

133:97



FB4
FB5
42'-0
SLOTTED
FIXED
EL+145.83 (TOP OF STGR TYP)
EL+142.7843 (TOP OF 8 ST 32 TYP)
℄ TRUSS
EL+142.7973
EL+146.3154
EL+143.1345
EL+146.7445
EL+143.4848
EL+146.8663
EL+143.8350
EL+143.8974
℄ RDWY SYMM ABT ℄
40°8'53"
65'-1 13/16 WP/WP
60'-8 1/2
54'-0
6@7'-10"=47'-0
TOP OF 8 ST 32
HORIZONTAL LINE
42'-0 1/16
13'-2 9/16
13'-2 1/2
BOTT FLG OF STGRS
EL+142.8404
EL+143.3258
EL+143.7549
EL+143.8767
1-BEVEL FILL ℞ FOR Ⓑ 3×(2 3/8×2 1/4)×1'-1 1/16 FIELD BOLTS 2-HSB 7/8 ⌀×5 1/4
1-BEVEL FILL ℞ FOR Ⓒ 3×(3 5/8×3 3/8)×1'-1 1/16 FIELD BOLTS 2-HSB 7/8 ⌀×6 1/4
TOP OF BRCG
SEC. "C-C"
SEC. "F-F"
BOTT OF STGR
1-BR 4×5/8×2'-9 1/2
15/16×2 SLOTS IN GUSSET ℞
15/16 ⌀ HOLES IN STRINGER
1-℞ 23 1/2×5/8×3'-4 1/2
12-HSB 7/8 ⌀×2 1/2 (SHOP BOLTS)
10-HSB 7/8 ⌀×2 3/4 (FIELD BOLTS)
9-HSB 7/8 ⌀×2 1/2 (FIELD BOLTS)
BEND LINE
W.P. TOP FLG OF 8 ST 32 EL+142.7843
SHOWN DEVELOPED
SEC. "B-B"
Ⓐ
8 ST 32
1-BR 4×5/8×5'-1 7/16 (BENT)
1-℞ 22 1/2×5/8×4'-6 (BENT) SHOP BOLTS 18-HSB 7/8 ⌀×2 1/2 FIELD BOLTS 24-HSB 7/8 ⌀×2 1/2
SYMM ABT ℄ RDWY
W.P. (TOP FLG OF 8 ST 32) EL+143.8974
Ⓕ
SEC. H-H @ ℄ OF F.B.
EL+143.9204
EL+143.8401
@ ℄ OF F.B.
SEC. "A-A"
℄ STRINGER
FLOOR BM STIFFENER
BOTT FLG 36 WF 150
BEVEL FILL ℞ 1-℞ 8 1/2×(9/16-7/8)×1'-10 7/8 FIELD BOLTS 4-HSB 7/8 ⌀×3 1/2
Ⓓ
SEC "K-K"
SEC. "G-G"
EL+143.8767

For location of details shown on this sheet refer to diagrams.

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BY F.F.W. JAN 23 1970

MATERIAL
RIVETS OR BOLTS — 7/8 ⌀
OPEN HOLES — 15/16 ⌀
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

PANEL FB4-FB5

NO.	DATE	INIT.
0		
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1	12-17	LM

REVISION

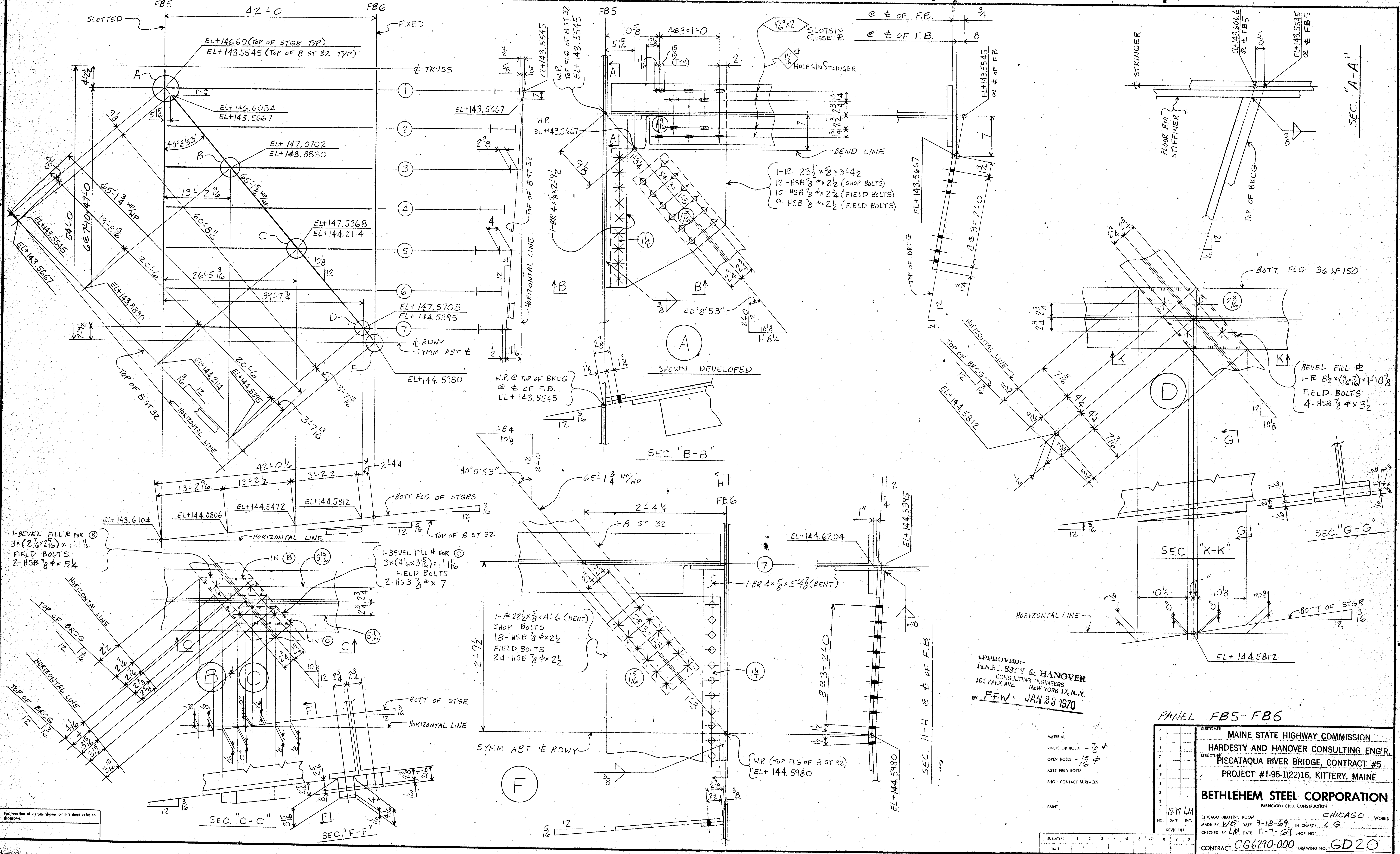
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 9-18-69 IN CHARGE LG
CHECKED BY LM DATE 11-5-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD19

133:98

36663 (1-65)



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BY F.F.W. JAN 23 1970

PANEL FB5-FB6

MATERIAL
RIVETS OR BOLTS – 7/8 ⌀
OPEN HOLES – 15/16 ⌀
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
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1	12-17	LM

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

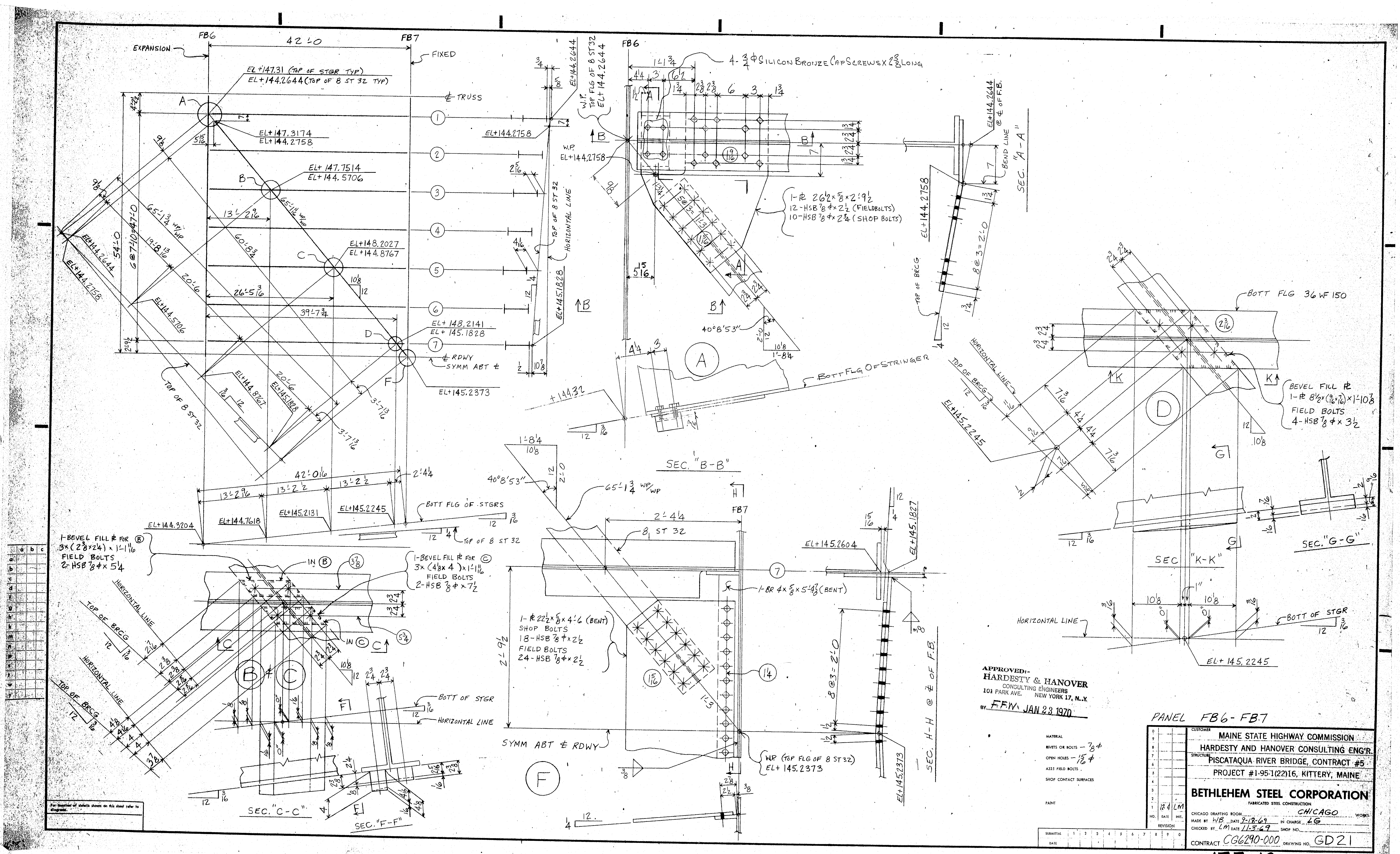
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 9-18-69 IN CHARGE LG
CHECKED BY LM DATE 11-7-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD20

06663 (1-65)

133:99



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BY FFW JAN 23 1970

MATERIAL
RIVETS OR BOLTS — 7/8 Φ
OPEN HOLES — 15/16 Φ
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

PANEL FB6-FB7

NO.	DATE	INIT.
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1	12-4	LM

REVISION

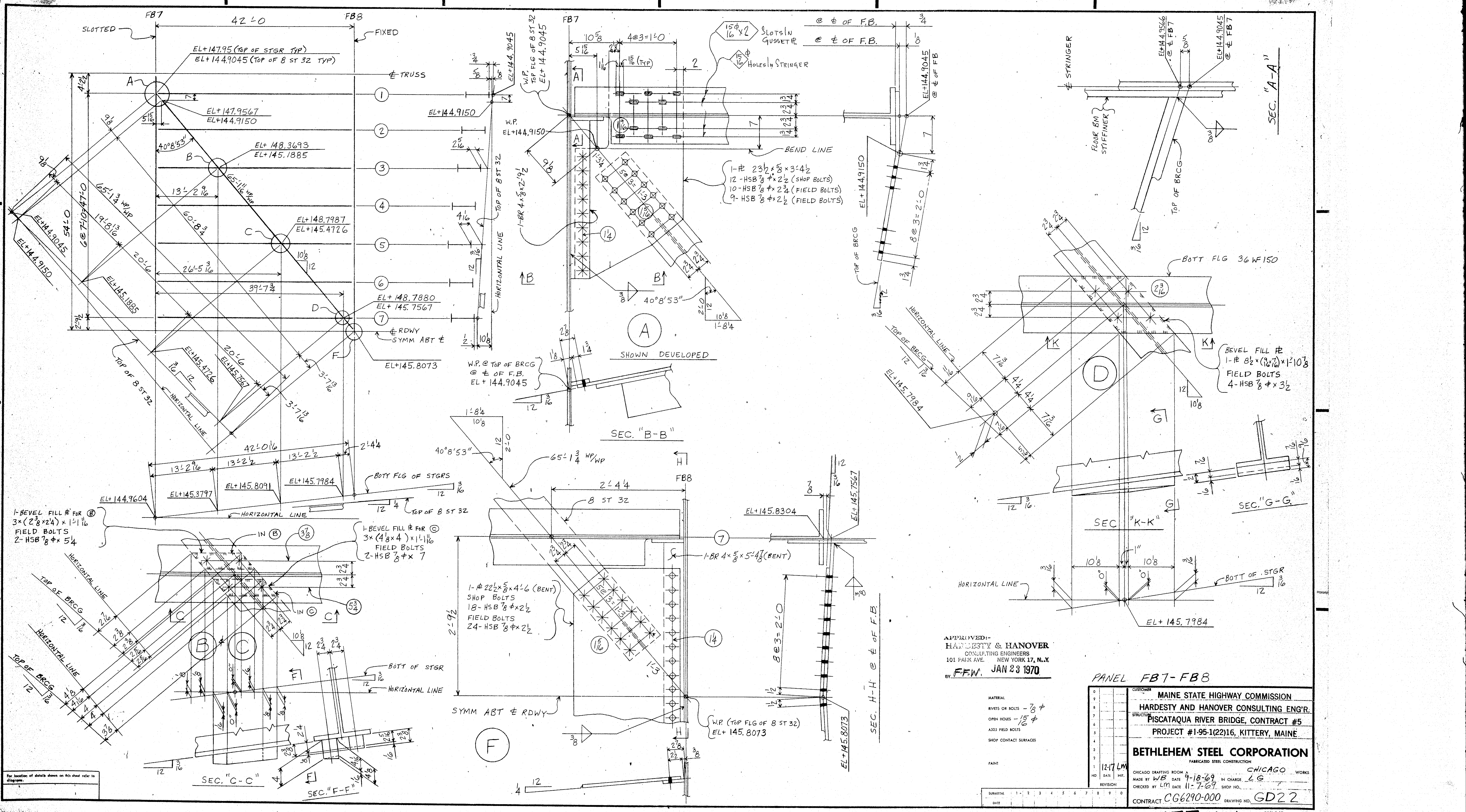
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 9-18-69 IN CHARGE LG
CHECKED BY LM DATE 11-3-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD21

133:100

36663 (1-65)



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BY F.F.W. JAN 23 1970

PANEL FB7-FB8

MATERIAL
RIVETS OR BOLTS - 7/8 φ
OPEN HOLES - 15/16 φ
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO	DATE	INIT.
0		
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7		
6		
5		
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2		
1	12-17	LM

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

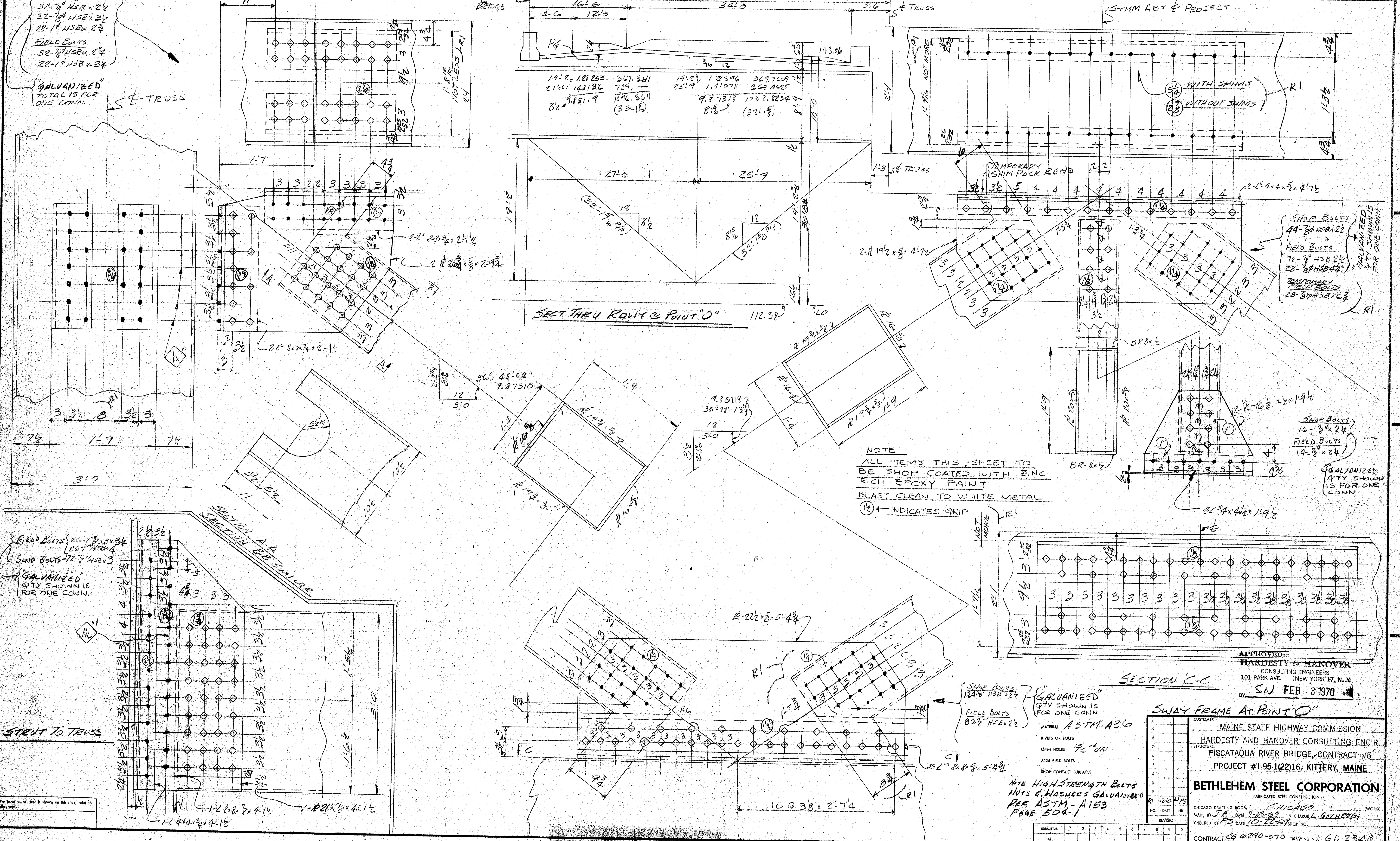
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 9-18-69 IN CHARGE LG
CHECKED BY LM DATE 11-7-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD22

36663 (1-65)

133:101



NOTE
ALL ITEMS THIS SHEET TO BE SHOP COATED WITH ZINC RICH EPOXY PAINT
BLAST CLEAN TO WHITE METAL
(1 1/2) ← INDICATES GRIP

MATERIAL A STM-A36
RIVETS OR BOLTS
OPEN HOLES 15/16" UN
A325 FIELD BOLTS
SHOP CONTACT SURFACES

NOTE HIGH STRENGTH BOLTS NUTS & WASHERS GALVANIZED PER ASTM-A153 PAGE 504-1

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SWAY FRAME AT POINT "O"

CUSTOMER
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HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY J.F. DATE 9-18-69 IN CHARGE L. GOTHBERG
CHECKED BY PS DATE 10-22-69 SHOP NO.
CONTRACT CG 6290-070 DRAWING NO. GD 23AB

NO.	DATE	INIT.
0		
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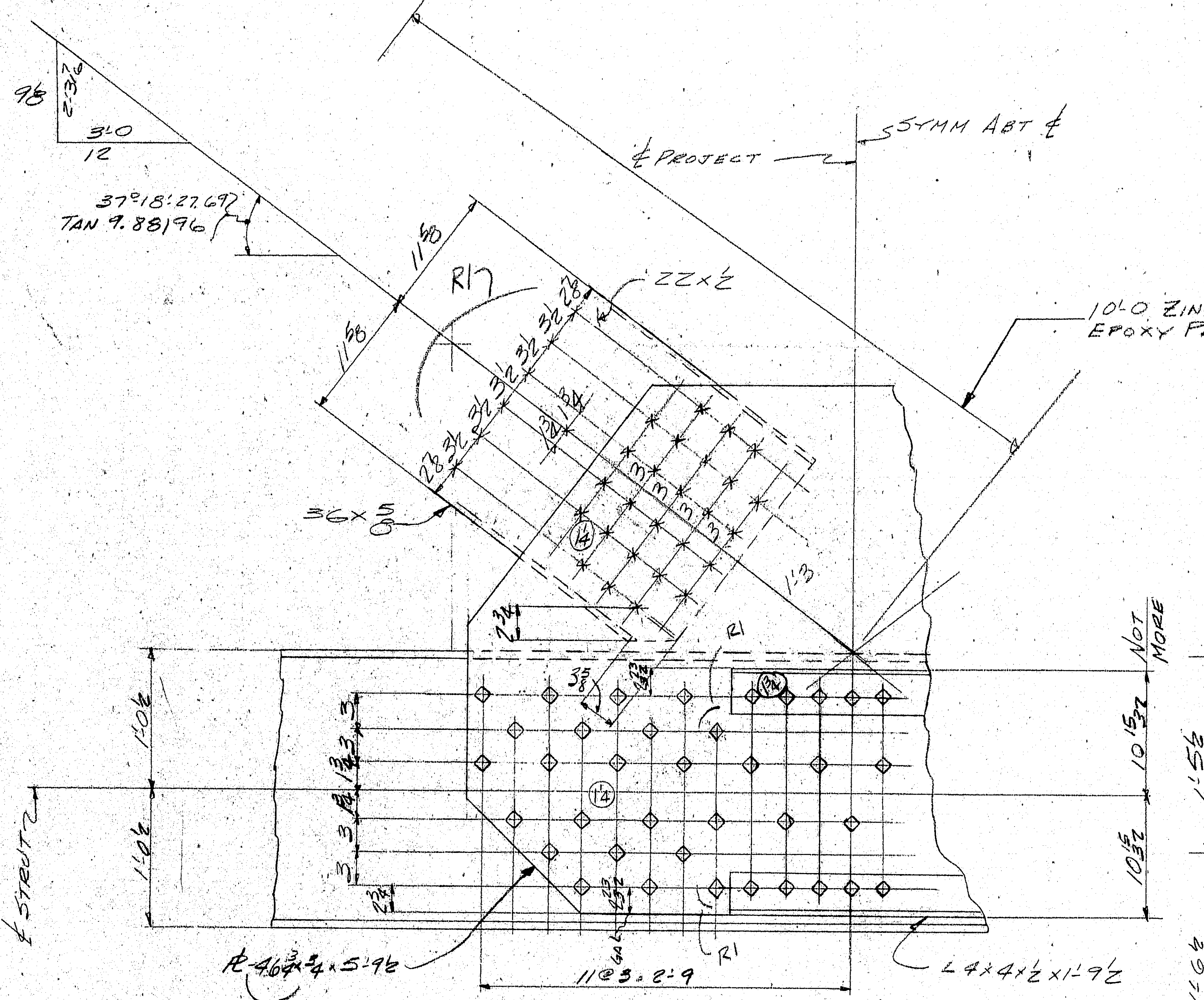
2		
R1	12-10	8 PS

REVISION

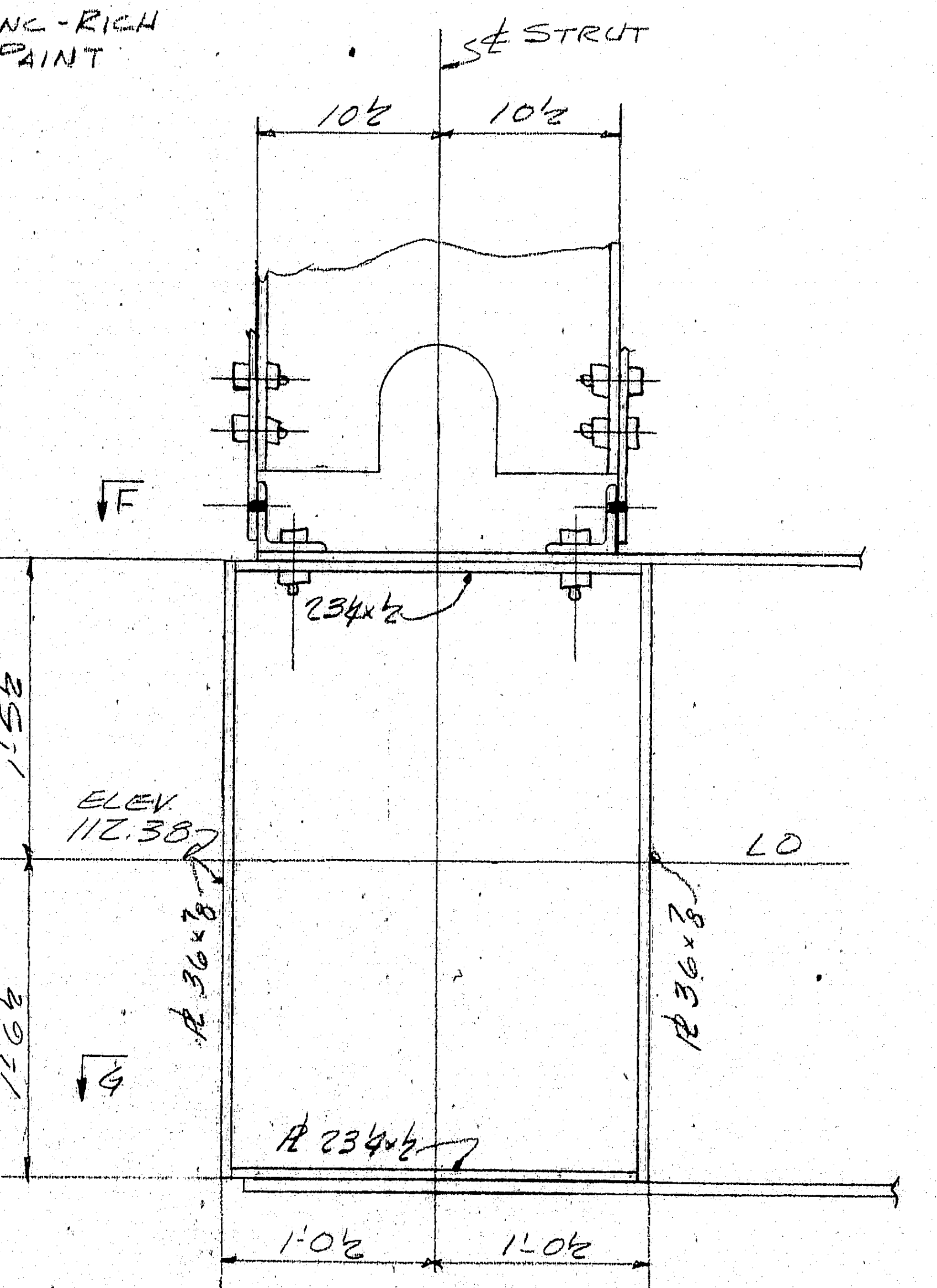
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

36663 (1-65)

133:102

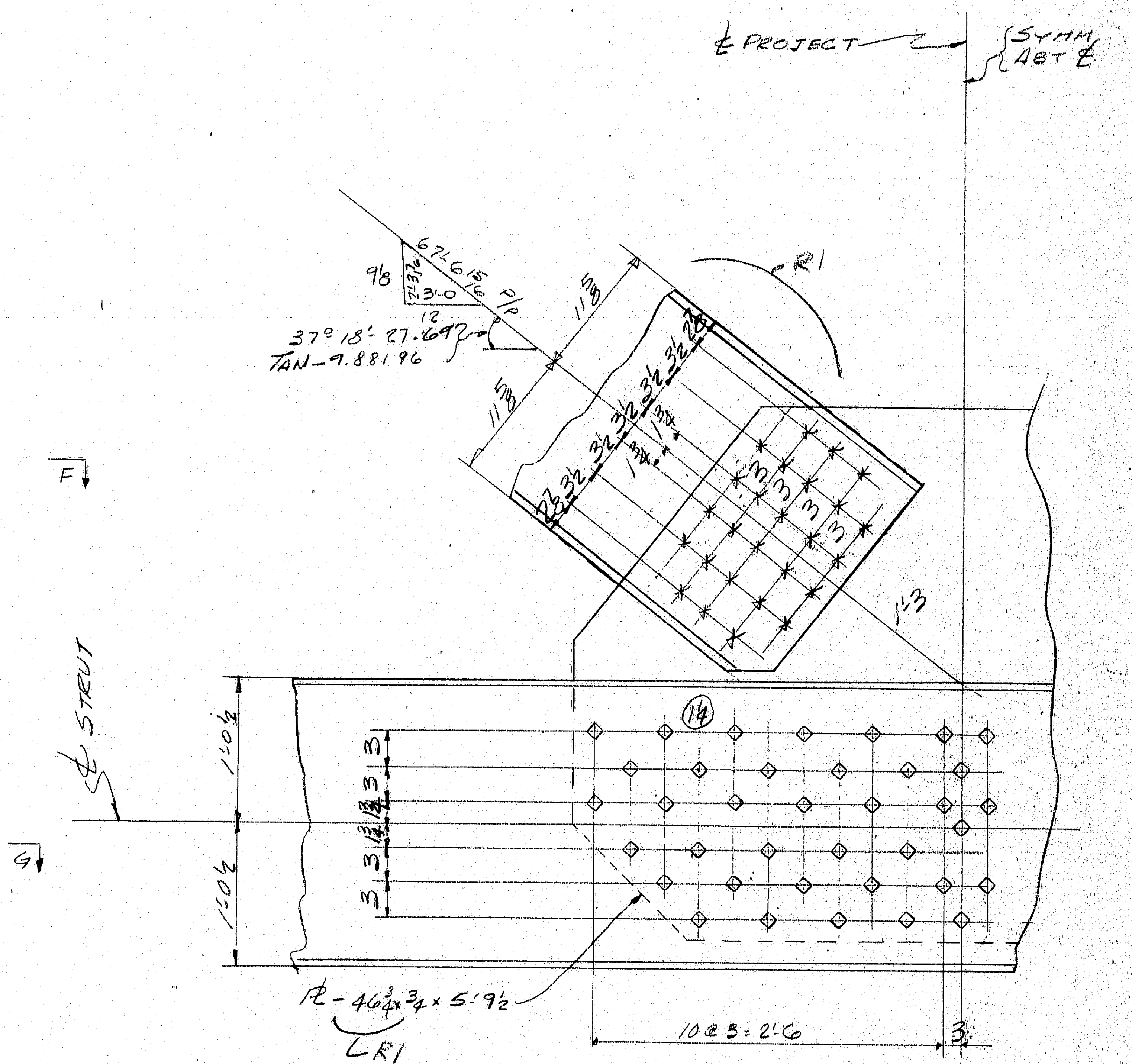


SECTION "F-F"



DETAIL OF BOTT CHORD

LATERAL BRACING



SECTION "G-G"

SHOP BOLTS
R1 116 - 7/8 Φ HSB x 2 1/2
14 - 7/8 Φ HSB x 3

FIELD BOLTS
104 - 7/8 Φ HSB x 2 1/2
R1

"GALVANIZED"
BOLT QTY IS
FOR ONE CONN. R1

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BY SN FEB 3 1970

SWAY FRAME AT POINT "O"

MATERIAL	SEE DRWG GD23AB
RIVETS OR BOLTS	
OPEN-HOLES	
A325 FIELD BOLTS	
SHOP CONTACT SURFACES	
PAINT	

NO.	DATE	INIT.
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R 1	11-18-69	PS

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

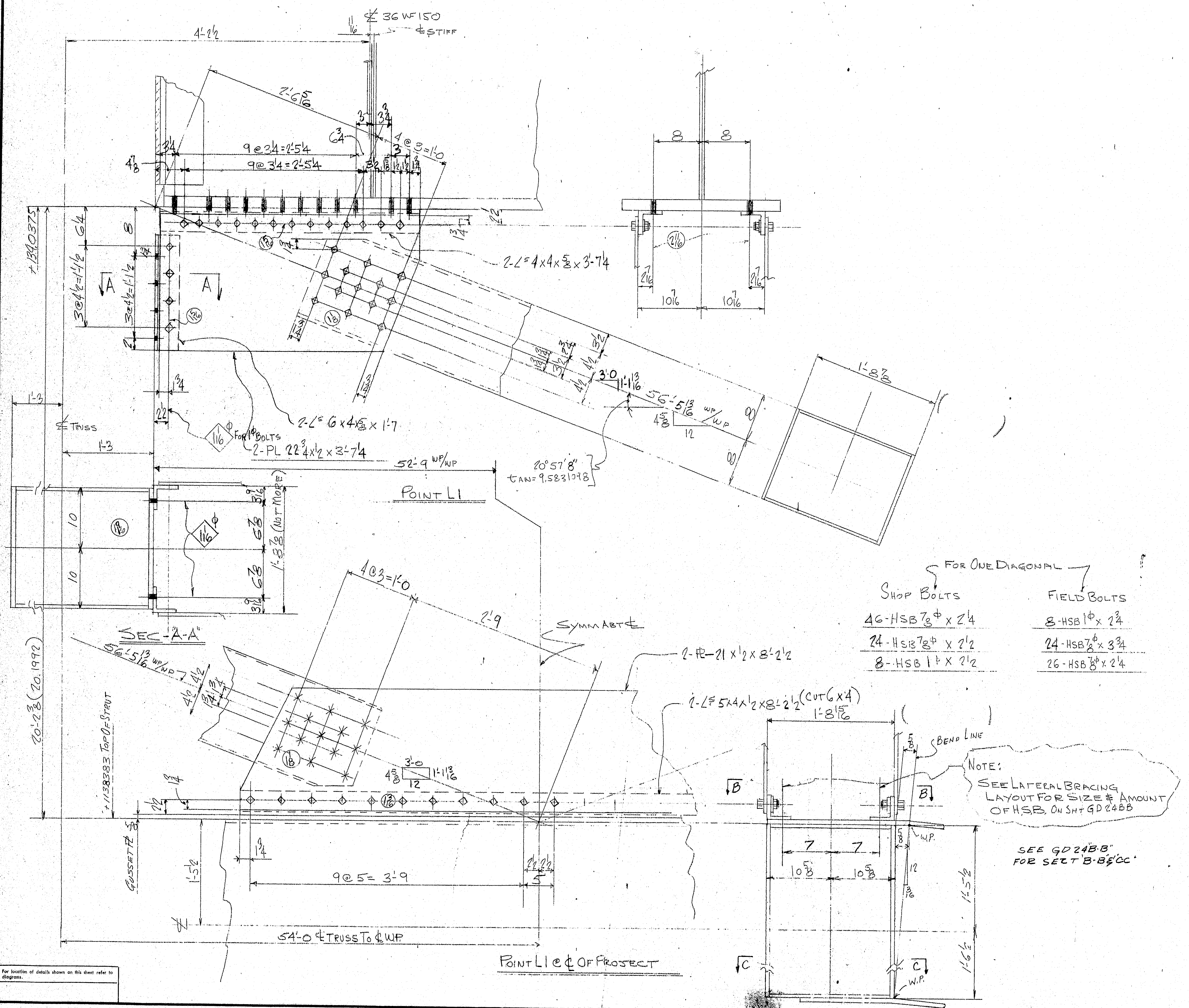
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JF DATE 10-8-69 IN CHARGE L GOTHBERG
CHECKED BY PJ DATE 10-22-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD23BB

36663 (1-65)

133:103

For location of details shown on this sheet refer to diagrams.



For One Diagonal

Shop Bolts	Field Bolts
46-HSB ⅞φ x 2¼	8-HSB 1φ x 2¾
24-HSB ⅞φ x 2½	24-HSB ⅞φ x 3¾
8-HSB 1φ x 2½	26-HSB ⅞φ x 2¼

Note:
See Lateral Bracing Layout For Size & Amount Of H.S.B. On Sht GD 24BB

SEE GD 24B-B" FOR SECT B-B & C-C

For location of details shown on this sheet refer to diagrams.

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CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y
BY SN DEC 10 1969

Approved

Sway Bracing At Point ①

MATERIAL
RIVETS OR BOLTS
OPEN HOLES 15/16φ UN.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
0		
9		
8		
7		
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2		
R1	12-1	CAD

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

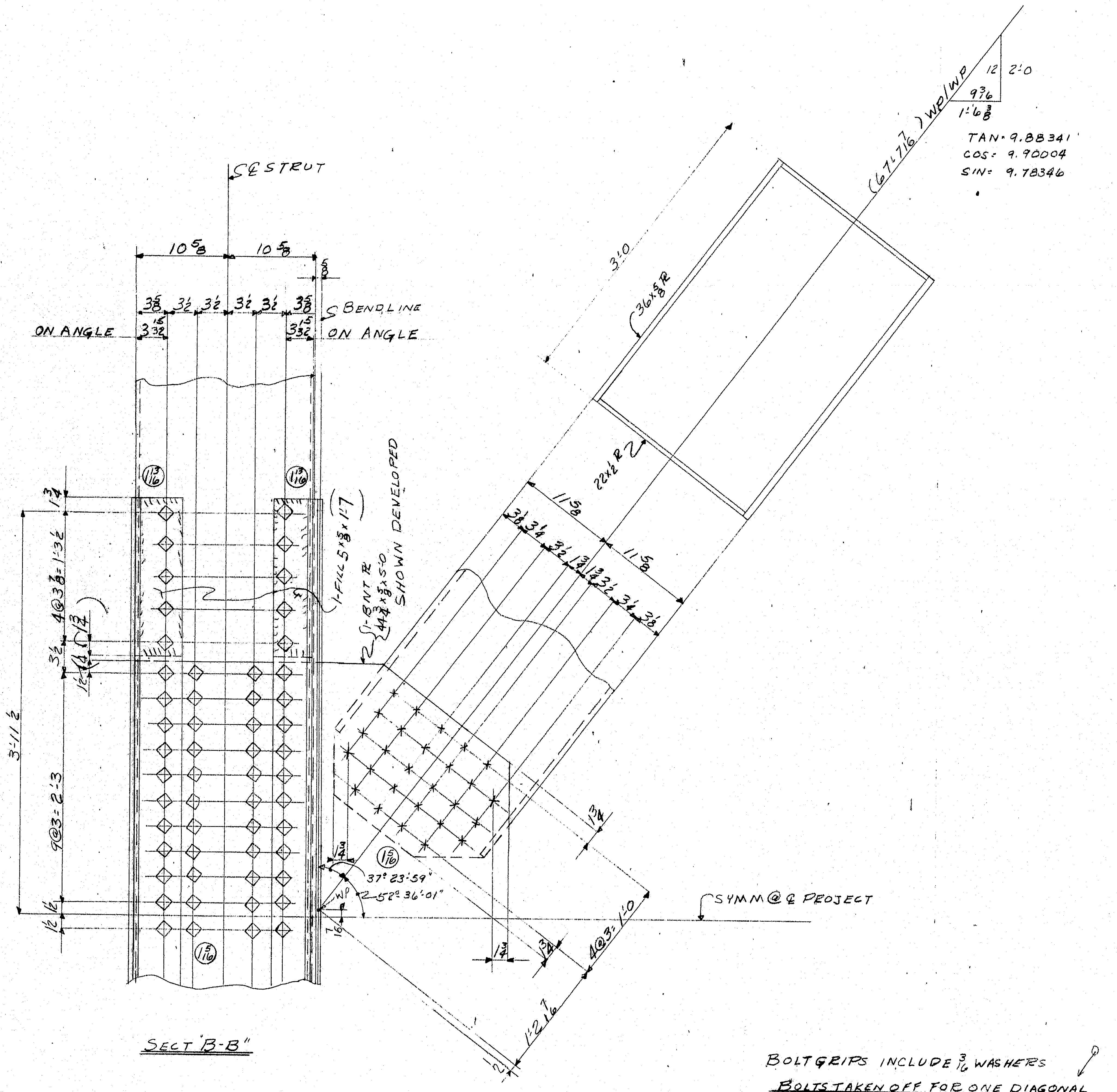
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

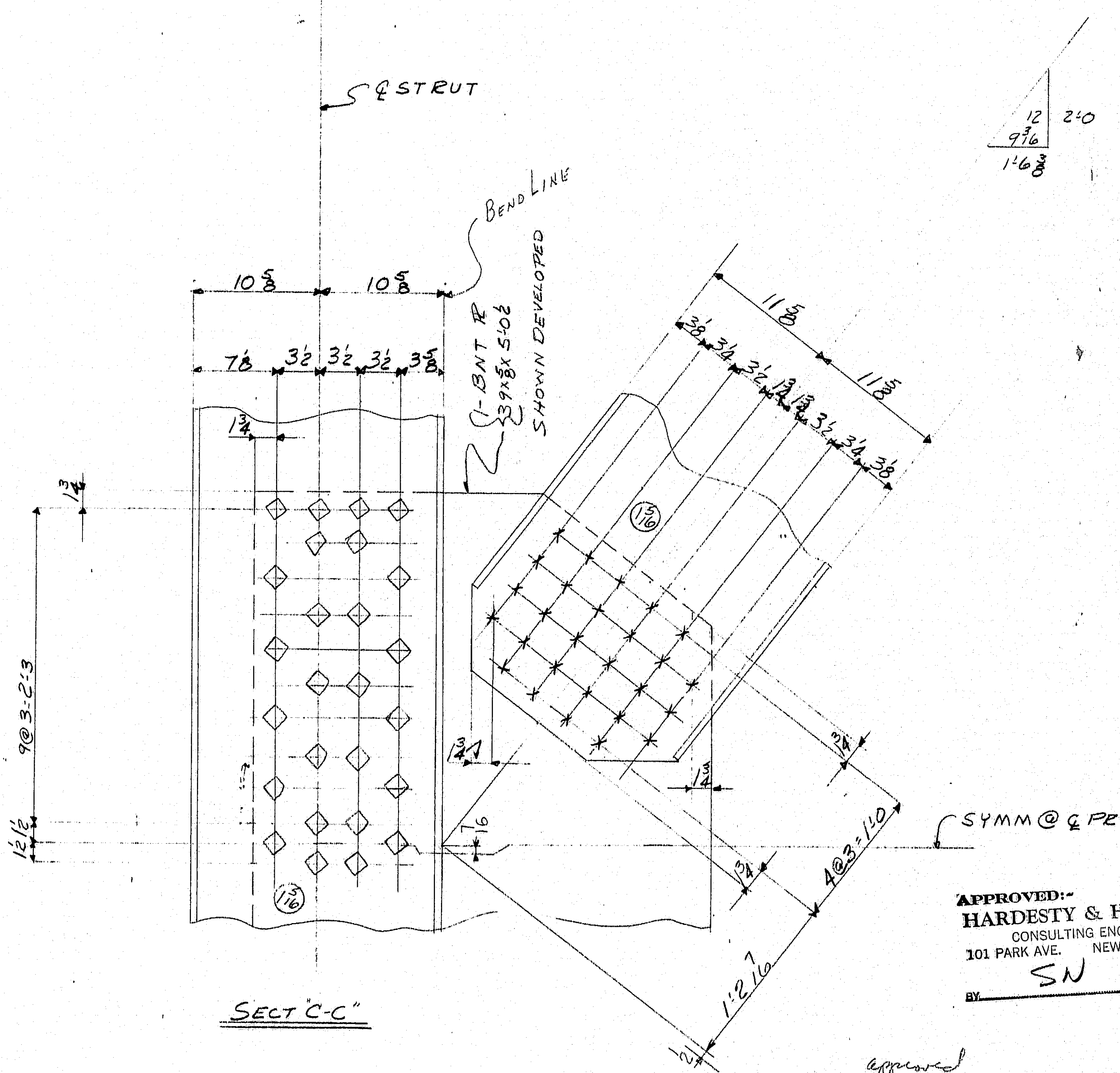
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY LM DATE 9-19-69 IN CHARGE LAG
CHECKED BY CAD DATE 10-24-69 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD 24 AB

133:104

36663 (1-65)



SECT "B-B"



SECT "C-C"

BOLTGRIPS INCLUDE 3/16 WASHERS

BOLTS TAKEN OFF FOR ONE DIAGONAL

SHOP BOLTS
43 - 7/8 ϕ A325 x 2 1/2
30 7/8 ϕ A325 x 3

FIELD BOLTS
54 - 7/8 ϕ A325 x 2 1/2

APPROVED:-
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CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY SN
DEC 10 1969

For location of details shown on this sheet refer to diagrams.

approved
LATERAL BRACING @ SWAYFRAME L1

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
0		
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R2	12-1	CAD
R1	11-18	CAD

REVISION

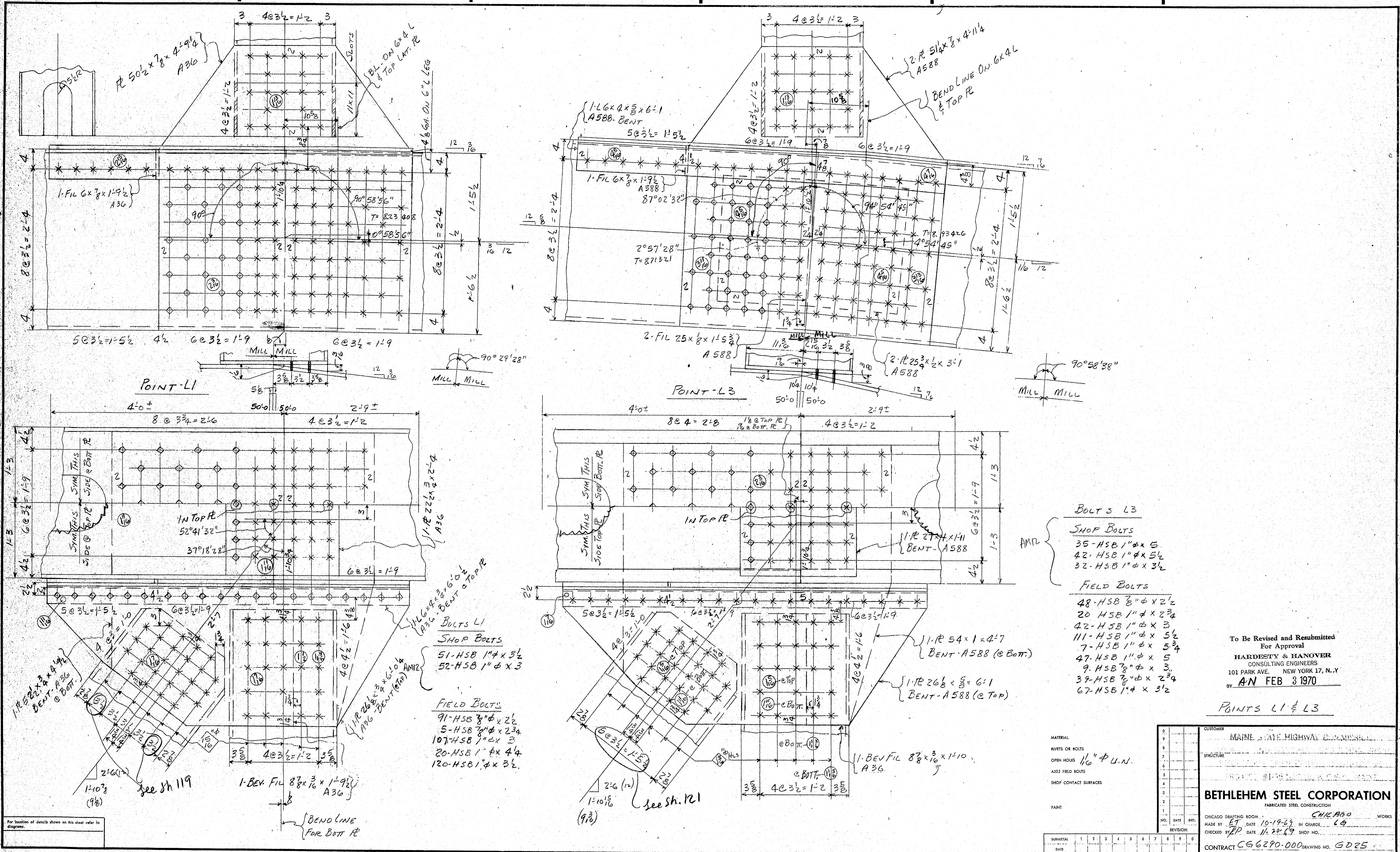
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RG DATE 10-28-69 IN CHARGE LAG
CHECKED BY C.A.D. DATE 10-31-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD24BB

36663 (1-65)

133:105



Bolts L1

Shop Bolts

AM12

- 51-HSB 1"ɸ x 3½
- 52-HSB 1"ɸ x 3

Field Bolts

- 91-HSB ⅞"ɸ x 2½
- 5-HSB ⅞"ɸ x 2¾
- 107-HSB 1"ɸ x 3
- 20-HSB 1"ɸ x 4¼
- 120-HSB 1"ɸ x 3½

Bolts L3

Shop Bolts

AM12

- 35-HSB 1"ɸ x 5
- 42-HSB 1"ɸ x 5½
- 32-HSB 1"ɸ x 3½

Field Bolts

- 48-HSB ⅞"ɸ x 2½
- 20 HSB 1"ɸ x 2¾
- 42-HSB 1"ɸ x 3
- 111-HSB 1"ɸ x 5½
- 7-HSB 1"ɸ x 5¾
- 47-HSB 1"ɸ x 5
- 9-HSB ⅞"ɸ x 3
- 39-HSB ⅞"ɸ x 2¾
- 67-HSB 1"ɸ x 3½

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For Approval
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CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y
BY AN FEB 3 1970

Points L1 & L3

For location of details shown on this sheet refer to diagrams.

MATERIAL
RIVETS OR BOLTS
OPEN HOLES 1 1/16"ɸ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
0		
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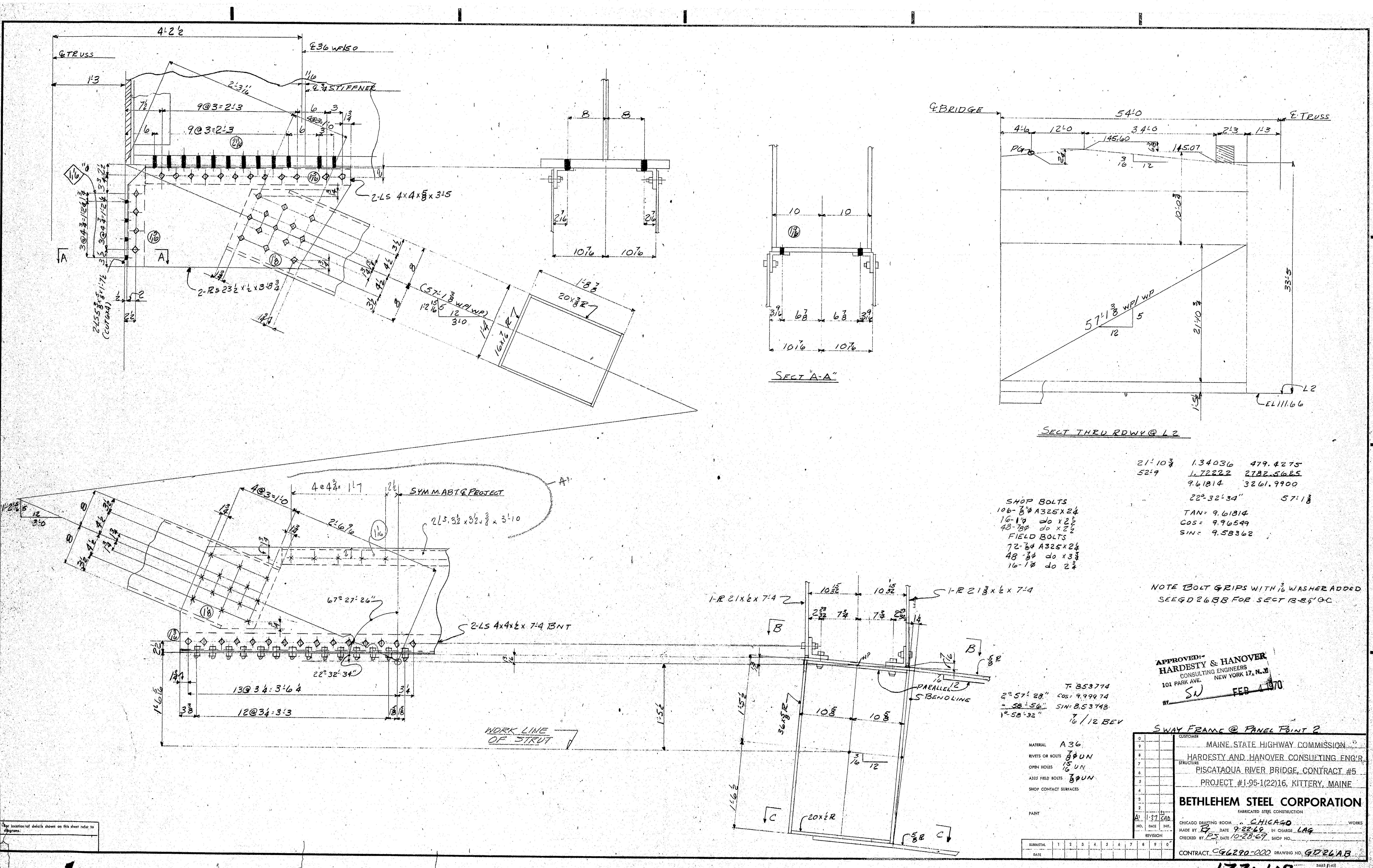
REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER MAINE STATE HIGHWAY COMMISSION
STRUCTURE [illegible]

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY ET DATE 10-19-69 IN CHARGE LG
CHECKED BY RP DATE 11-20-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD25
8663 (1-65)

133:106



SHOP BOLTS
106-⅞"⌀ A325×2¼
16-1"⌀ do ×2½
48-⅞⌀ do ×2½
FIELD BOLTS
72-⅞⌀ A325×2¼
48-⅞⌀ do ×3¾
16-1⌀ do 2¾

21'-10¾ 1.34036 479.4275
52'-9 1.72222 2782.5625
9.61814 3261.9900
22°-32'-34" 57'-1⅜
TAN= 9.61814
COS= 9.96549
SIN= 9.58362

NOTE BOLT GRIPS WITH 3/16 WASHER ADDED
SEE GD26BB FOR SECT B-B & C-C

T= 853774
2°-57'-28"
- 58'-56"
1°-58'-32"
COS= 9.99974
SIN= 8.53748
7/16 / 12 BEV

APPROVED:-
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CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY SN FEB 4 1970

SWAY FRAME @ PANEL POINT 2

MATERIAL A36
RIVETS OR BOLTS ⅞⌀ UN
OPEN HOLES 15/16 UN
A325 FIELD BOLTS ⅞⌀ UN
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
A1	1-27	CAD

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

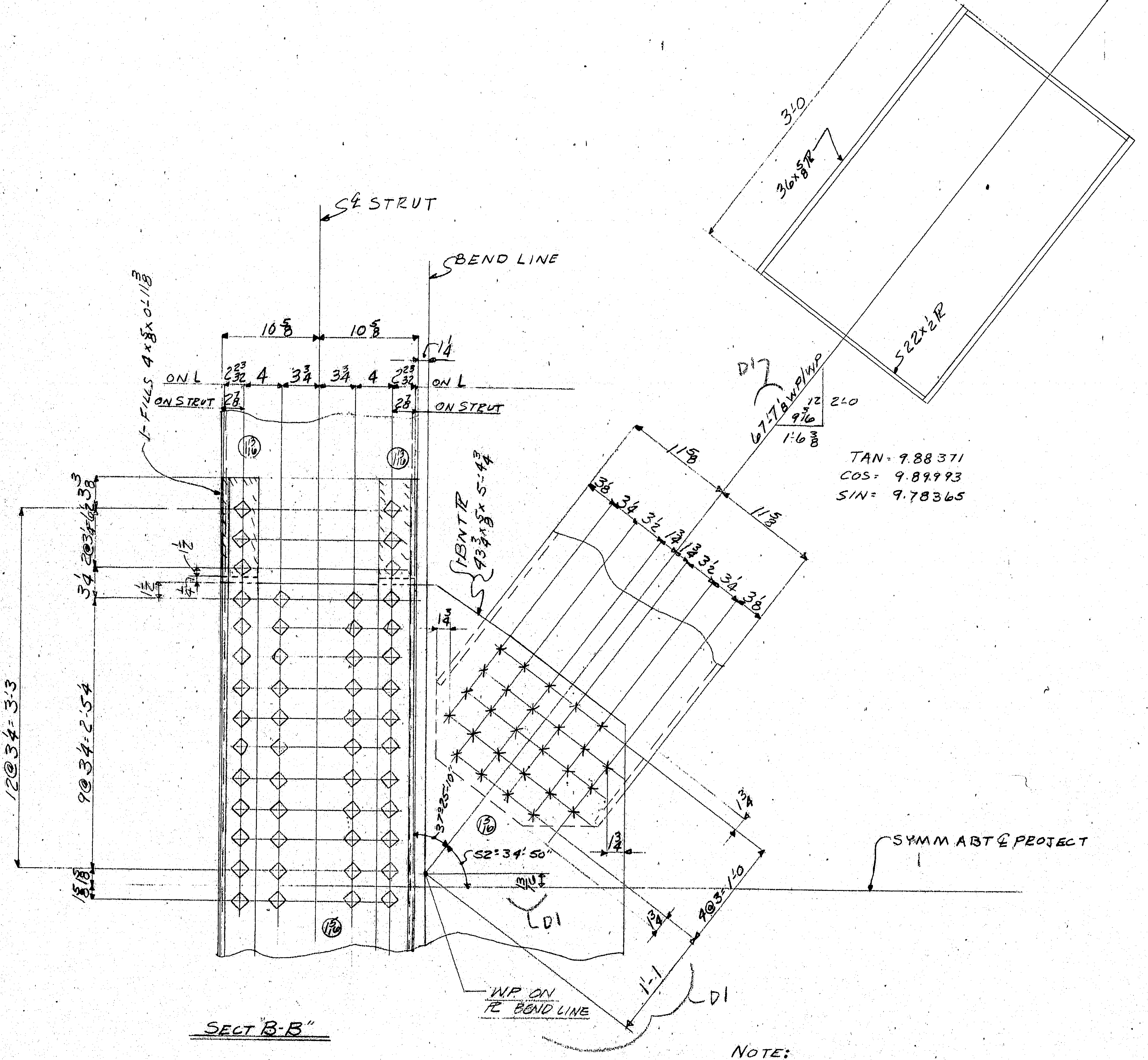
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RG DATE 9-22-69 IN CHARGE LAG
CHECKED BY PS DATE 10-28-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD26AB

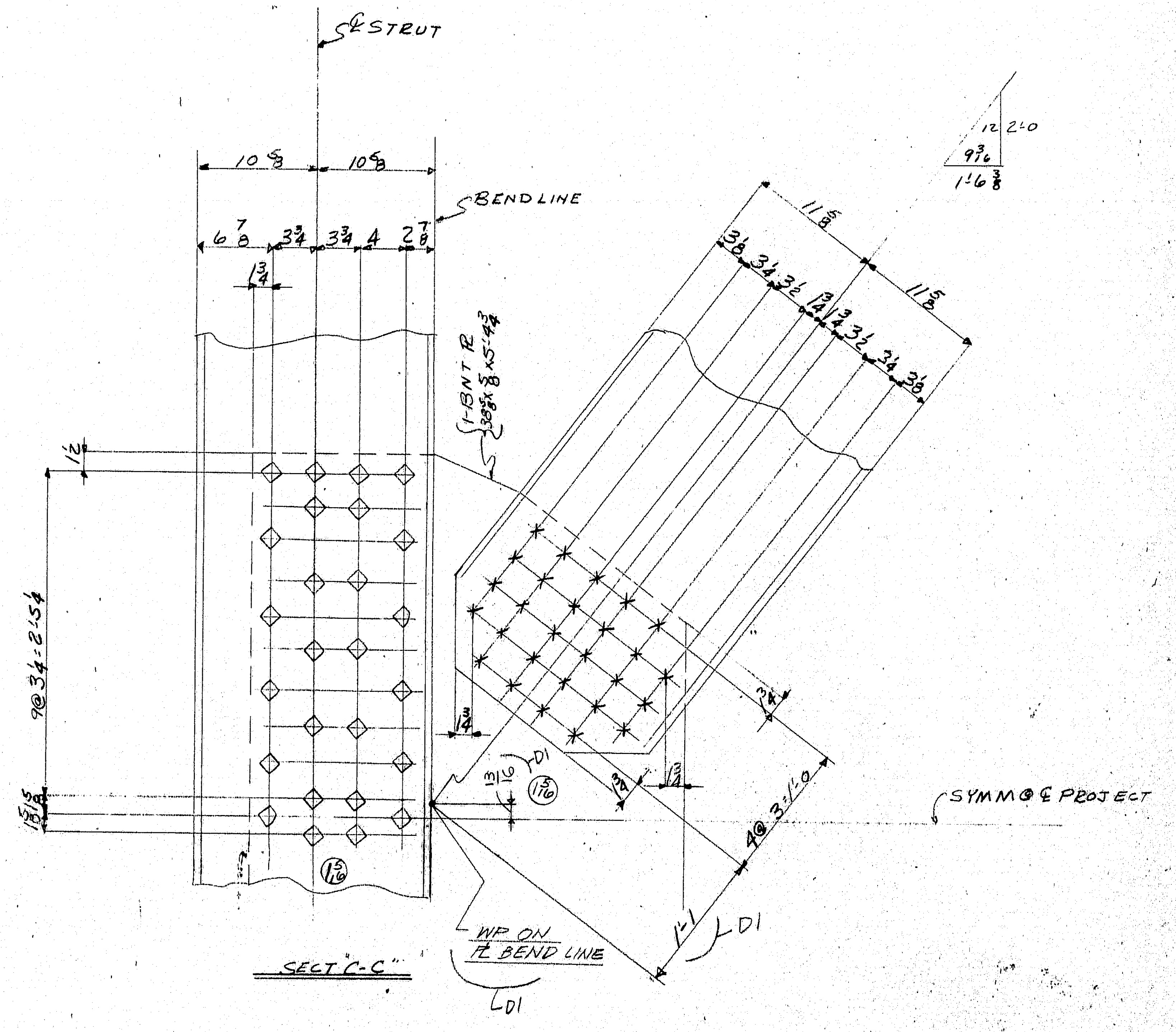
133:107

36663 (1-65)

For location of details shown on this sheet refer to diagrams.



SECT "B-B"



SECT "C-C"

NOTE:
BOLTGRIPS SHOWN ARE WITH 3/16 WASHERS ADDED
SHOP BOLTS
86 - 7/8 ϕ A325 x 2 1/2
52 - 7/8 ϕ A325 x 3

FIELD BOLTS
108 - 7/8 ϕ A325 x 2 1/2

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CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY SN FEB. 3 1970
1.20
108

For location of details shown on this sheet refer to diagrams.

LATERAL BRACING @ SWAY FRAME L2

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

	NO.	DATE	INIT.
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D	1	11-20	©PS

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

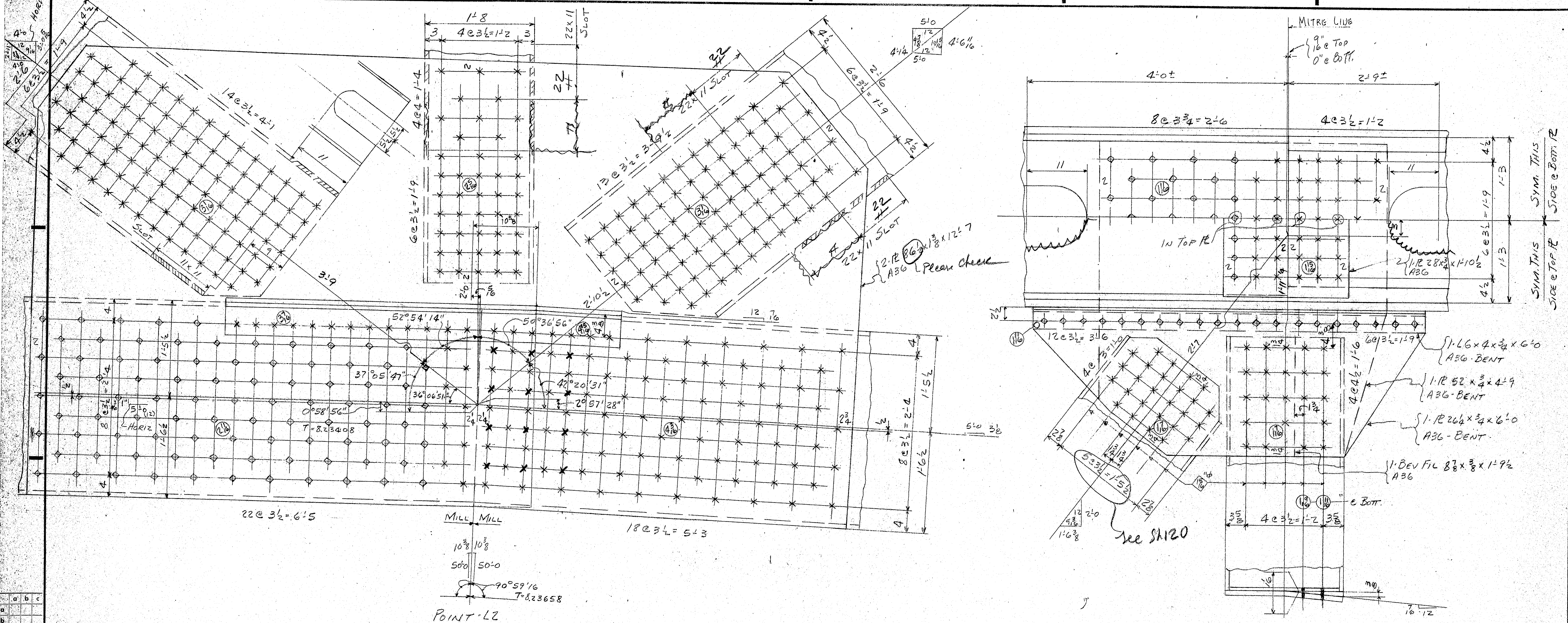
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RG DATE 10-27-69 IN CHARGE LAG
CHECKED BY PS DATE 10-28-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD26BB

133:108

36663 (1-65)



POINT-L2

SHOP BOLTS

AM12 { 52-1"⌀ HSB x 3
184-1"⌀ HSB x 4

FIELD BOLTS

21-1"⌀ HSB x 3
45-1"⌀ HSB x 3¼
86-1"⌀ HSB x 3½
17-1"⌀ HSB x 4
374-1"⌀ HSB x 4¼
13-1"⌀ HSB x 4¾
168-1"⌀ HSB x 5½
7-1"⌀ HSB x 6¼
87-⅞"⌀ HSB x 2½
9-⅞"⌀ HSB x 2¾

For location of details shown on this sheet refer to diagrams.

To Be Revised and Resubmitted
For Approval
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CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY A.N. FEB 3 1970

POINT-L2

MATERIAL
RIVETS OR BOLTS 1"⌀
OPEN HOLES 1 1/16"⌀ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
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REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
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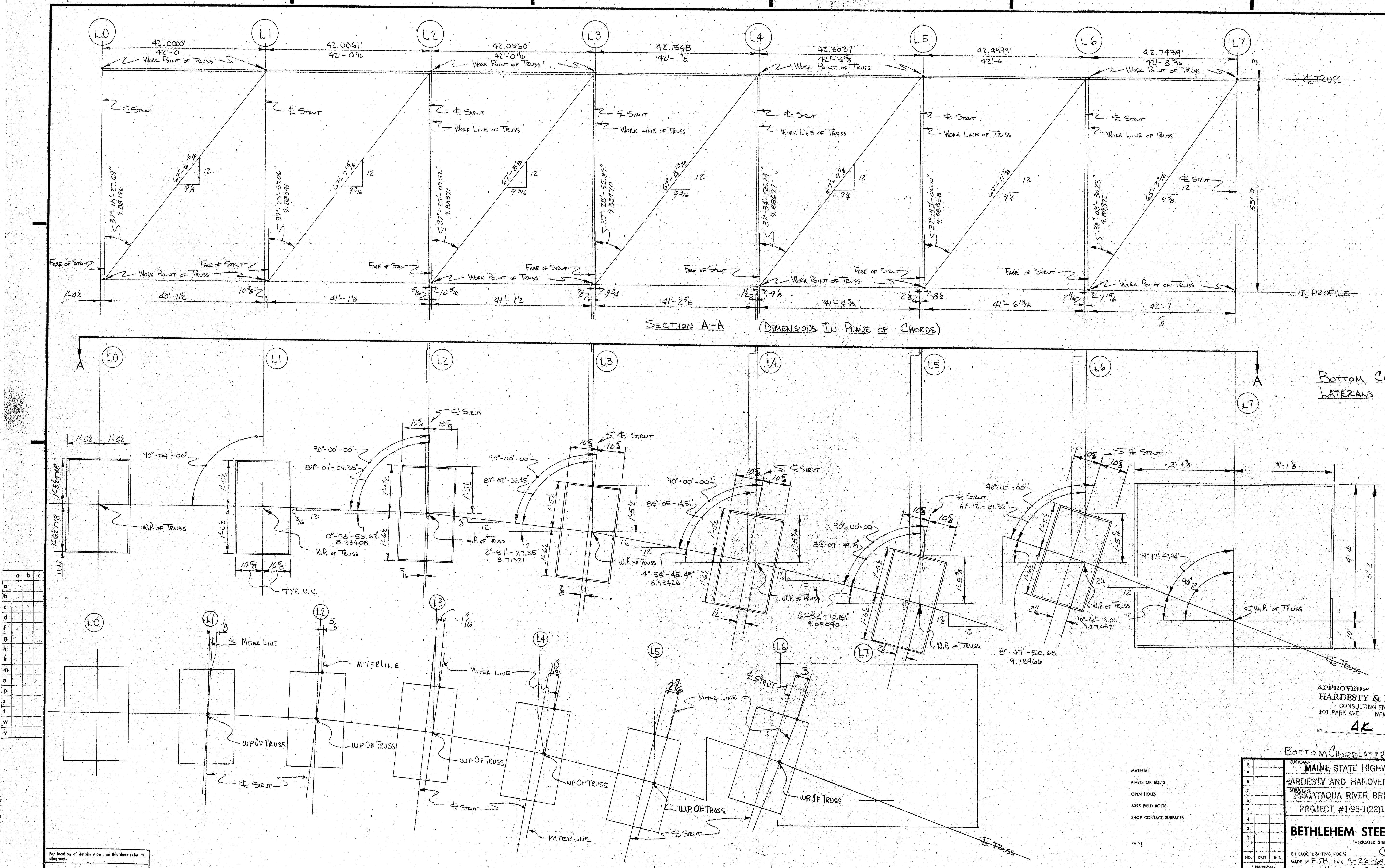
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO WORKS
MADE BY ET DATE 11-6-69 IN CHARGE LG
CHECKED BY RP DATE 11-18-69 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD27

36663 (1-65)

133:109



	a	b	c
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For location of details shown on this sheet refer to diagrams.

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101 PARK AVE. NEW YORK 17, N.Y.
BY 4K NOV. 14 1969

Bottom Chord Laterals L0-L7

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

REVISION NO.	DATE	INIT.
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1		

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

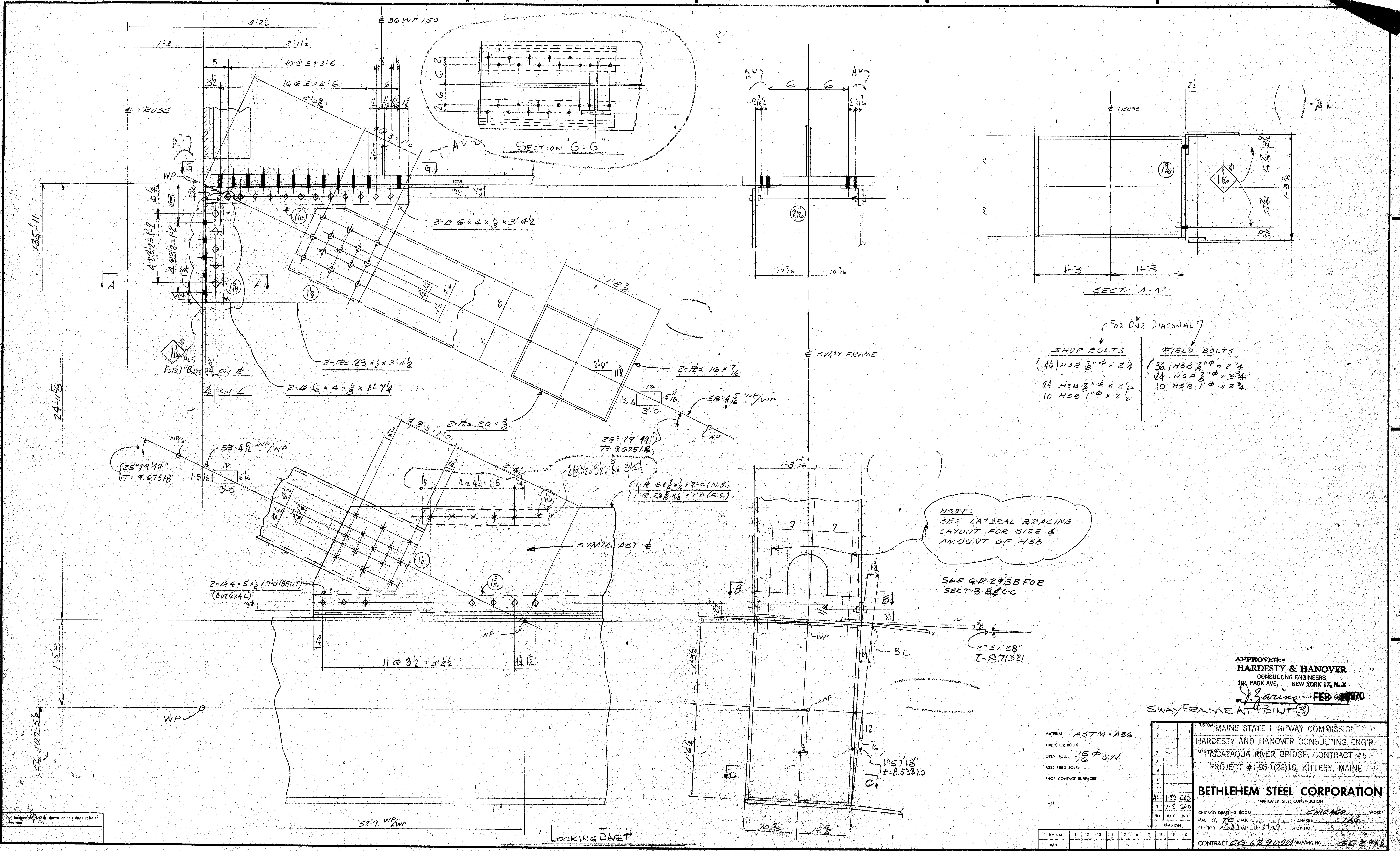
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM Chicago WORKS
MADE BY EJM DATE 9-26-69 IN CHARGE L. Gothberg
CHECKED BY LM DATE 10-8-69 SHOP NO.
CONTRACT CG 6290 DRAWING NO. GD 28

133:110

36663 (1-65)



FOR ONE DIAGONAL

SHOP BOLTS	FIELD BOLTS
(46) HSB ⅞"φ × 2¼	(36) HSB ⅞"φ × 2¼
24 HSB ⅞"φ × 2½	24 HSB ⅞"φ × 3¾
10 HSB 1"φ × 2½	10 HSB 1"φ × 2¾

NOTE:
SEE LATERAL BRACING LAYOUT FOR SIZE & AMOUNT OF HSB

SEE GD 29BB FOR SECT B-B & C-C

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BY J. Zarins FEB 1970

SWAY FRAME AT POINT ③

MATERIAL A5TM-A36
RIVETS OR BOLTS
OPEN HOLES 15/16 φ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
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7		
6		
5		
4		
3		
A2	1-22	CAD
1	1-2	CAD

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

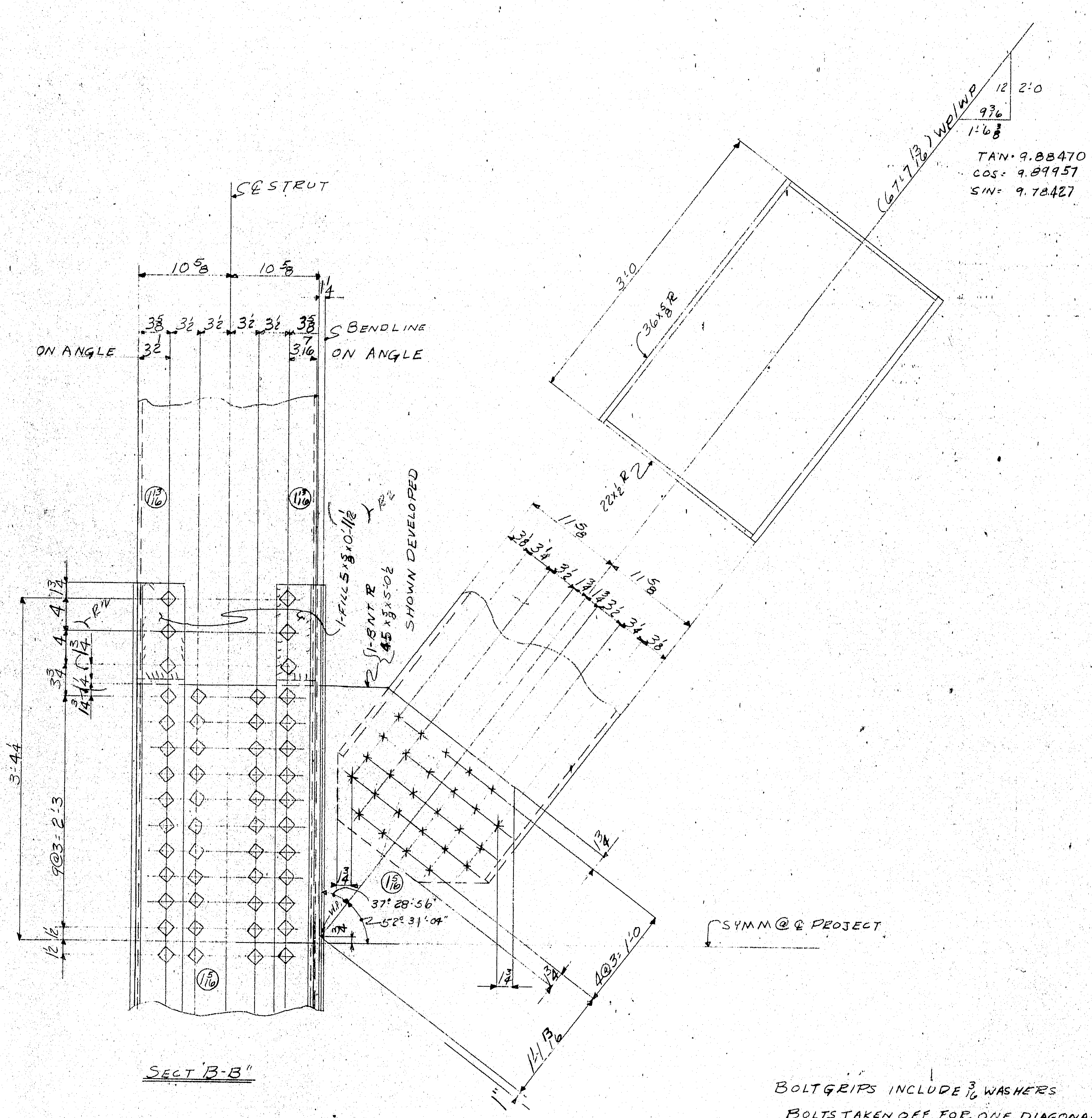
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

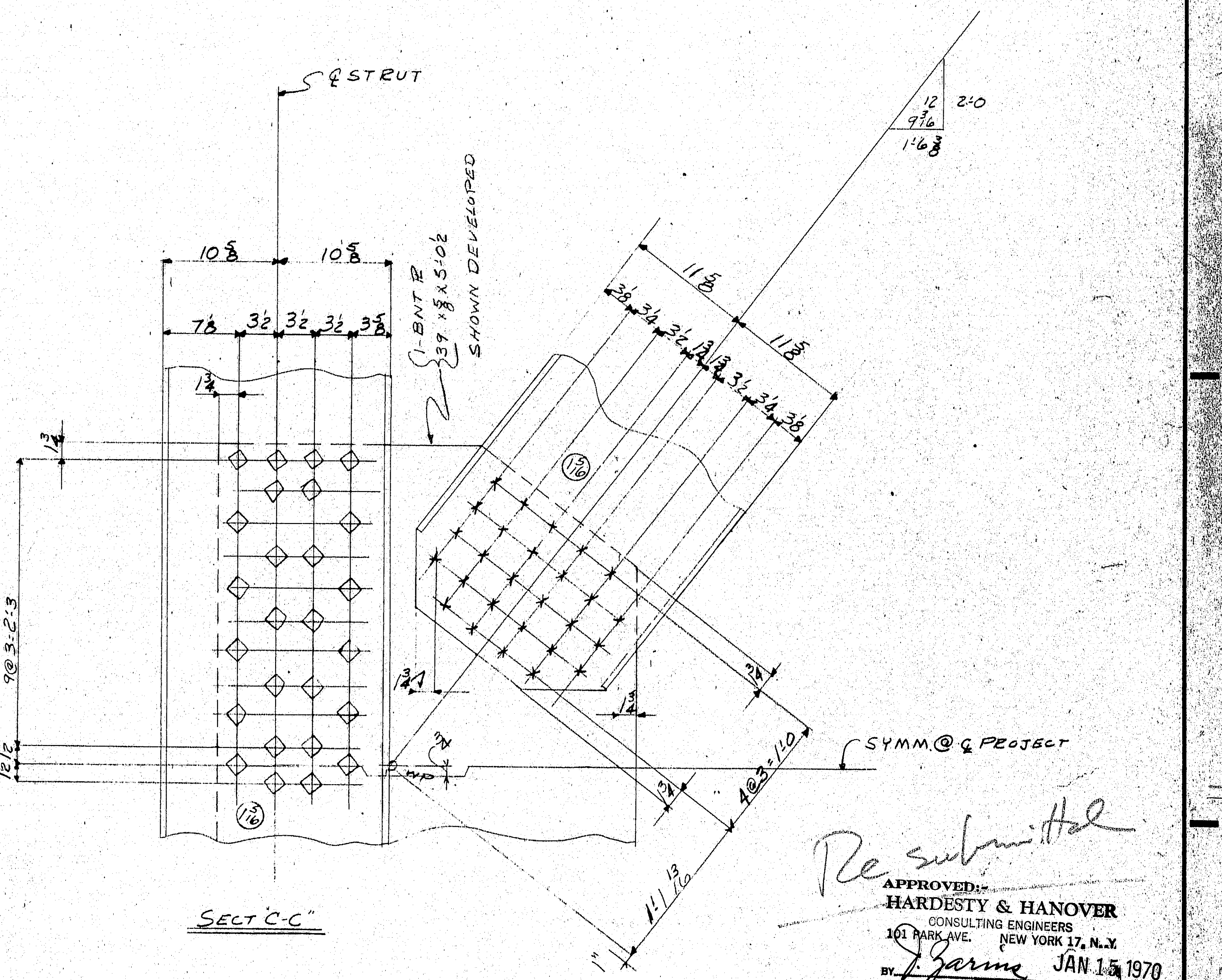
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY TC DATE IN CHARGE LAG
CHECKED BY C.A.D. DATE 10-27-69 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD 29AB

36663 (1-65)

133:111



SECT "B-B"



SECT "C-C"

BOLTGRIPS INCLUDE 3/16 WASHERS

BOLTS TAKEN OFF FOR ONE DIAGONAL

SHOP BOLTS
- 43 - ⅞ϕ A325 x 2½
- 26 - ⅞ϕ A325 x 3

FIELD BOLTS
54 - ⅞ϕ A325 x 2½

For location of details shown on this sheet refer to diagrams.

Re submittal

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CONSULTING ENGINEERS
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BY J. Zarins JAN 15 1970

LATERAL BRACING @ SWAY FRAME L3

MATERIAL	
RIVETS OR BOLTS	
OPEN HOLES	
A325 FIELD BOLTS	
SHOP CONTACT SURFACES	
PAINT	

NO	DATE	INIT.
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3		
R2	1-2	CAD
R1	11-18	CAD

REVISION

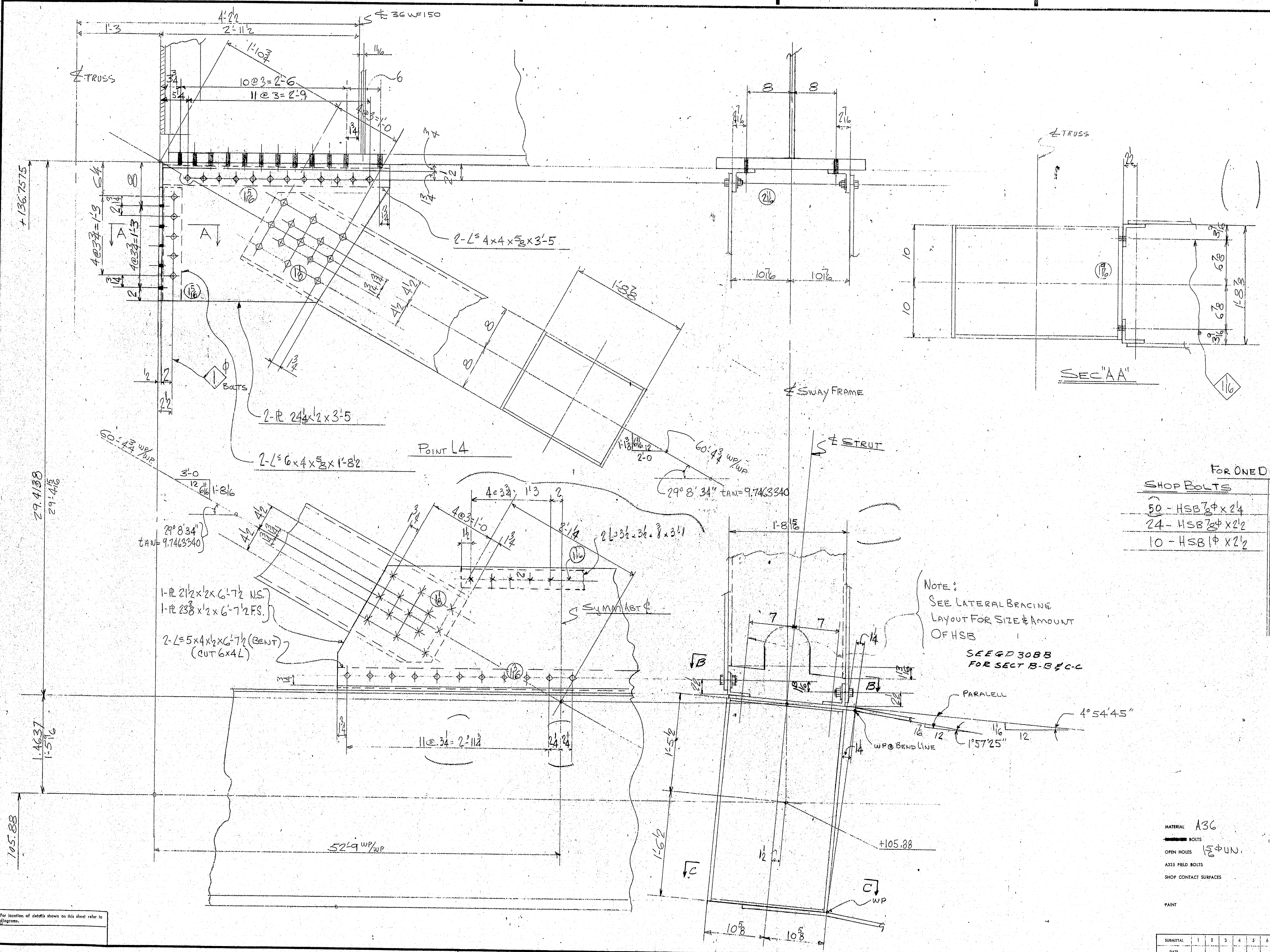
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RG DATE 10-28-69 IN CHARGE LAG
CHECKED BY C.A.D. DATE 10-31-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD29BB

133:112

36663 (1-65)



FOR ONE DIAGONAL

SHOP BOLTS	FIELD BOLTS
50 - HSB ⅞ϕ × 2¼	10 - HSB 1ϕ × 2¾
24 - HSB ⅞ϕ × 2½	24 - HSB ⅞ϕ × 3¾
10 - HSB 1ϕ × 2½	36 - HSB ⅞ϕ × 2¼

NOTE:
SEE LATERAL BRACING LAYOUT FOR SIZE & AMOUNT OF HSB

SEE GD 3088 FOR SECT B-B & C-C

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CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY J. Zarin JAN 15 1970

SWAY FRAME AT POINT ④

MATERIAL A36
BOLTS
OPEN HOLES 15/16ϕ UN.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
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8		
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6		
5		
4		
3		
2		
1	1-2	CAD

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

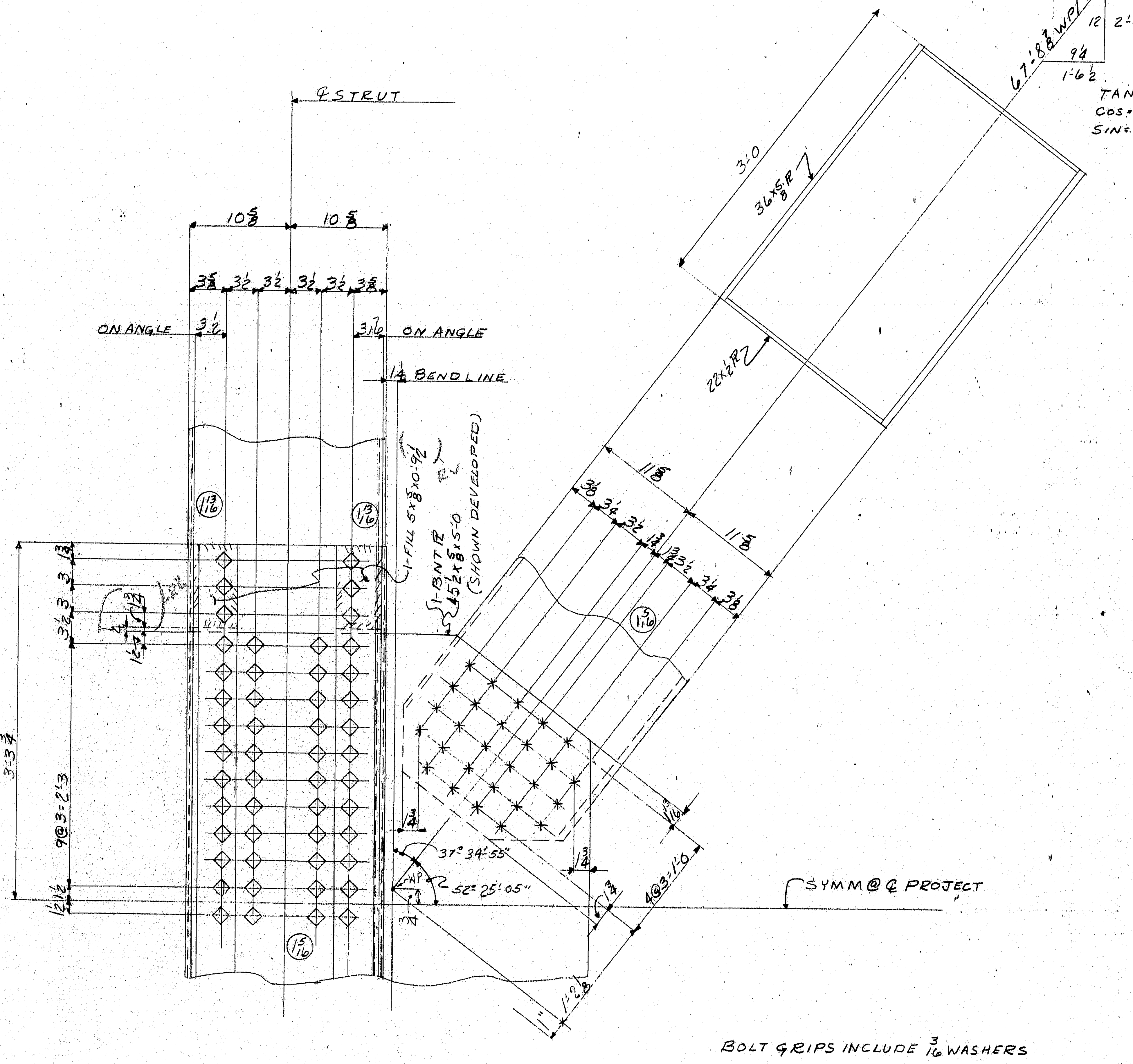
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(2)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY LM DATE 9-23-69 IN CHARGE LAG
CHECKED BY CAD DATE 10-31-69 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD30AB

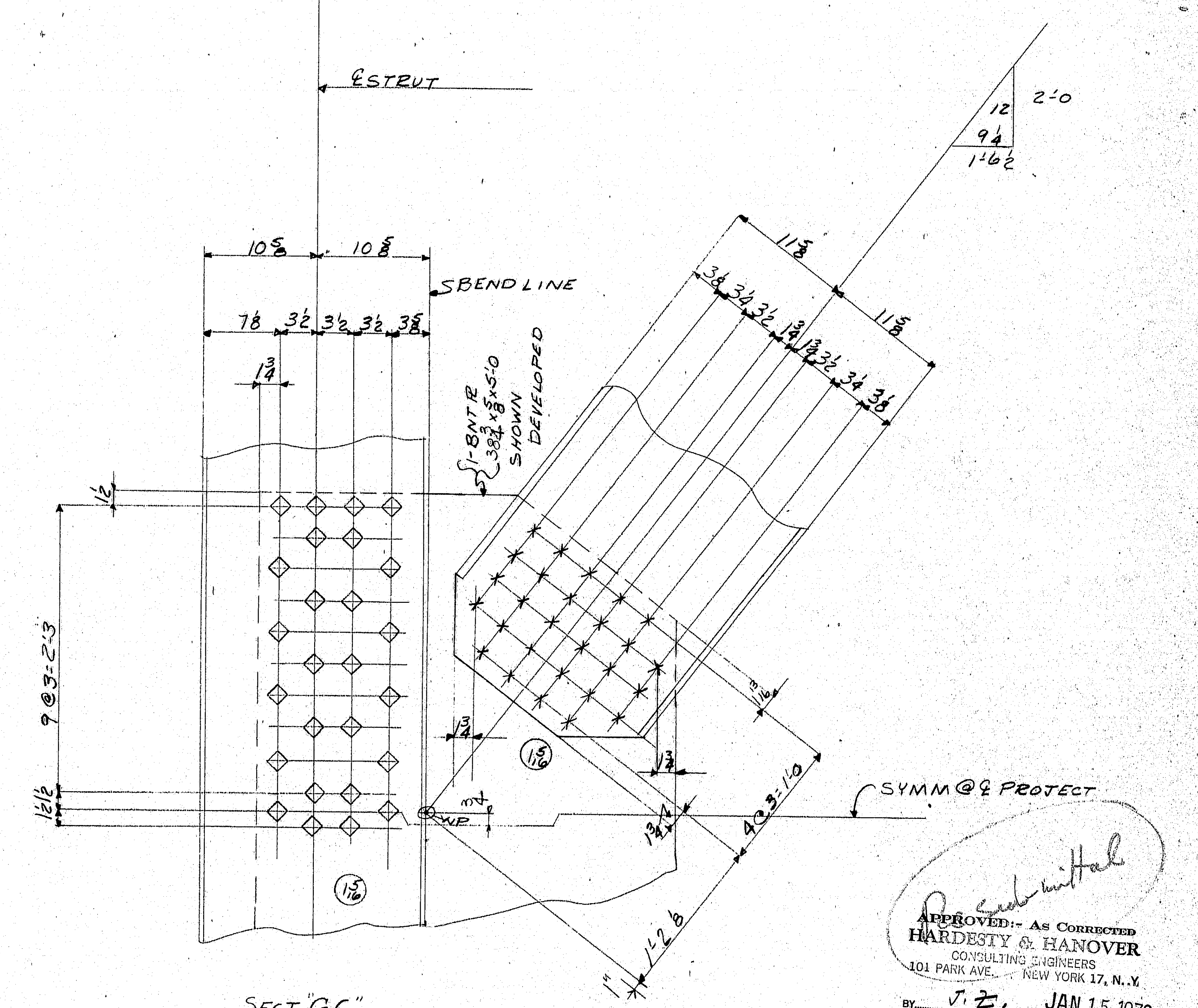
For location of details shown on this sheet refer to diagrams.

133:113

36663 (1-65)



SECT "B-B"



SECT "C-C"

BOLT GRIPS INCLUDE $\frac{3}{16}$ WASHERS

SHOP BOLTS
43-$\frac{7}{8}\phi$ A325×2½
26-$\frac{7}{8}\phi$ A325×3
FIELD BOLTS
54-$\frac{7}{8}\phi$ A325×2½
FOR ONE DIAGONAL

Resubmittal
APPROVED:- AS CORRECTED
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N. Y.
BY J. Z. JAN 15 1970

ELECTRODES E70XX
Low Hydrogen

For location of details shown on this sheet refer to diagrams.

LATERAL BRACING @ SWAY FRAME L4

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
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5		
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3		
R2	1-2	CAD
R1	11-18	CAD

REVISION

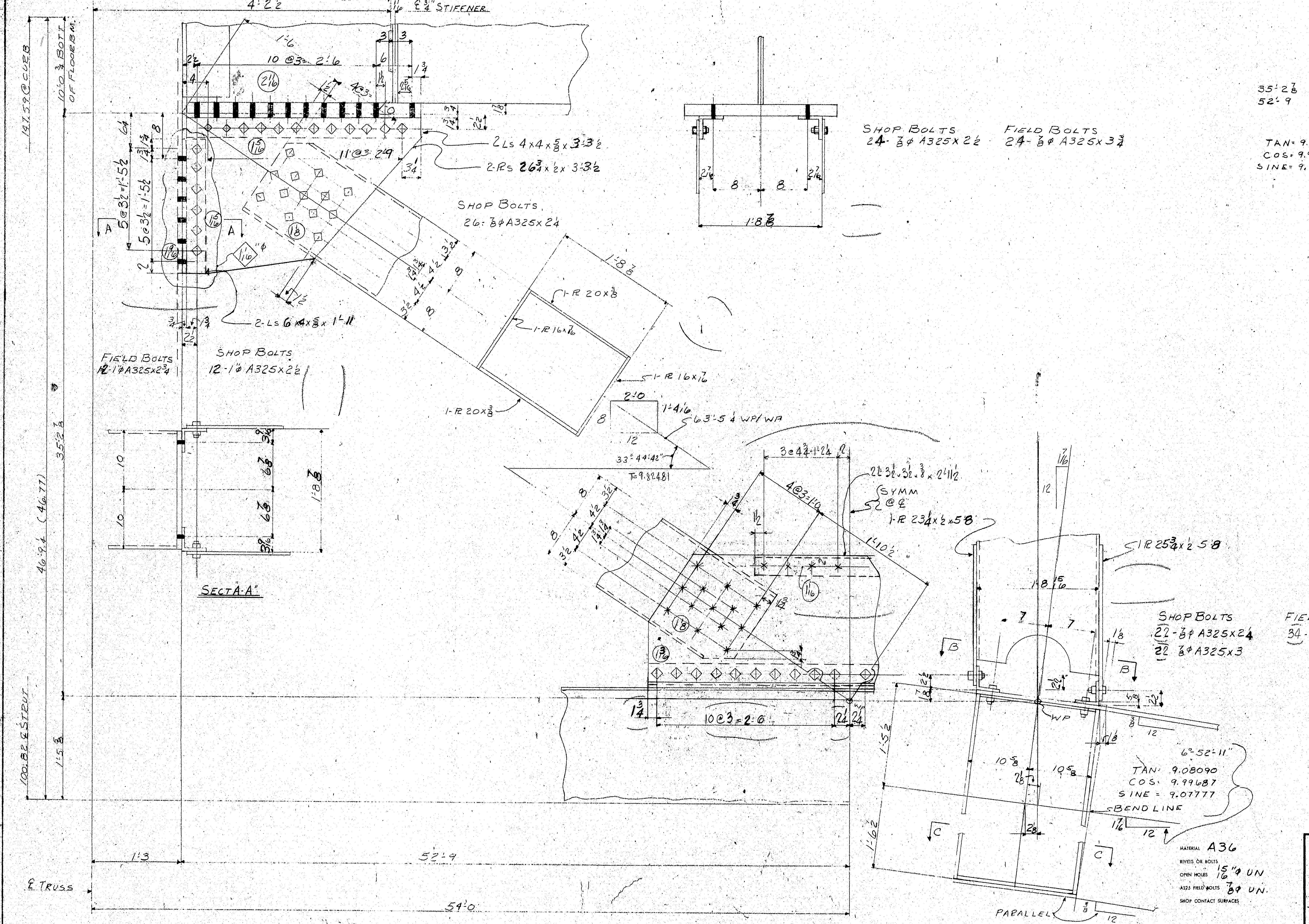
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RG DATE 10-28-69 IN CHARGE LAG
CHECKED BY CAD DATE 10-31-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD 30BB

36663 (1-65)

133:114



35'-2⅞ 1.54703 .1241.8282

52'-9 1.72222 2782.5625

9.82481 4024 3907 = 63'-5¼ WP/WP

33°-44'-42"

8/12 BEV

TAN = 9.82481

COS = 9.91987

SINE = 9.74468

SHOP BOLTS
24-⅞φ A325x2½

FIELD BOLTS
24-⅞φ A325x3¾

SHOP BOLTS
22-⅞φ A325x2¼
22 ⅞φ A325x3

FIELD BOLTS
34-⅞φ A325x2¼

Re submittal

6°-52'-11"
TAN: 9.08090
COS: 9.99687
SINE = 9.07777

NOTE:
SEE GD31BB
FOR SECT. B-B & C-C
ALL QUANTITIES OF BOLTS ON THIS
SHEET ARE FOR ONE DIAGONAL

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY J. Zarin JAN 15 1970

MATERIAL A36
RIVETS OR BOLTS
OPEN HOLES ¹⁵⁄₁₆"φ UN
A325 FIELD BOLTS ⅞φ UN.
SHOP CONTACT SURFACES
PAINT

SWAY FRAME @ PANEL POINT 5

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RCG DATE 9-30-69 IN CHARGE LAG
CHECKED BY CAD DATE 10-27-69 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD31AB

NO.	DATE	INIT.
1	1-5	CAD

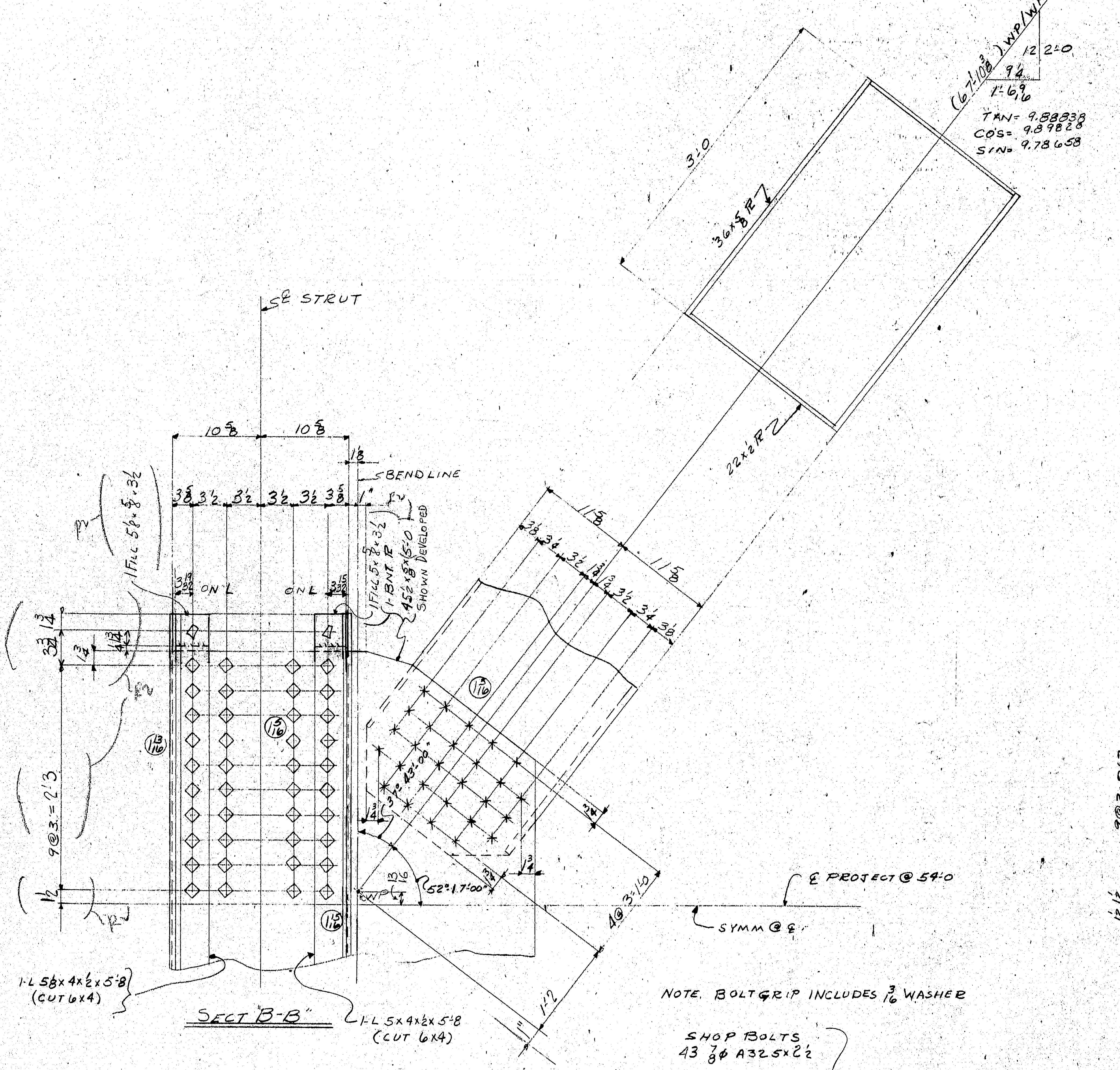
REVISION

SUBMITTAL 1 2 3 4 5 6 7 8 9 0
DATE

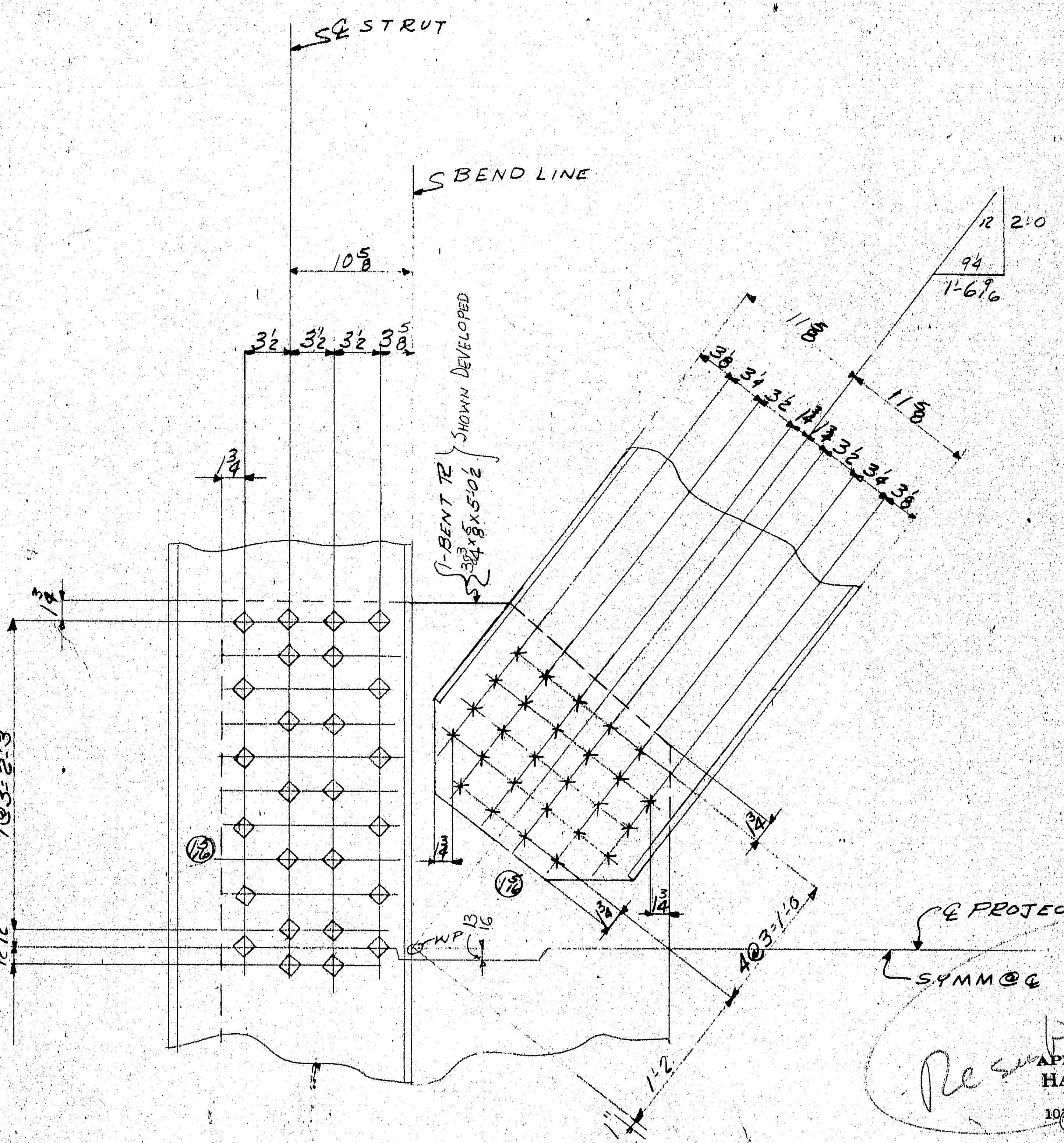
For location of details shown on this sheet refer to diagrams.

36663 (1-63)

133:115



SECT "B-B"



SECT "C-C"

NOTE. BOLTGRIP INCLUDES 3/16 WASHER

SHOP BOLTS
43 ⅞ϕ A325x2½

FIELD BOLTS
54 ⅞ϕ A325x2½

FOR ONE DIAGONAL

Resubmitted

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY J. Zarin JAN 15 1970

LATERAL BRACING
@ SWAY FRAME L5

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
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R2	1-5	CAD
R1	11-18	CAD

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

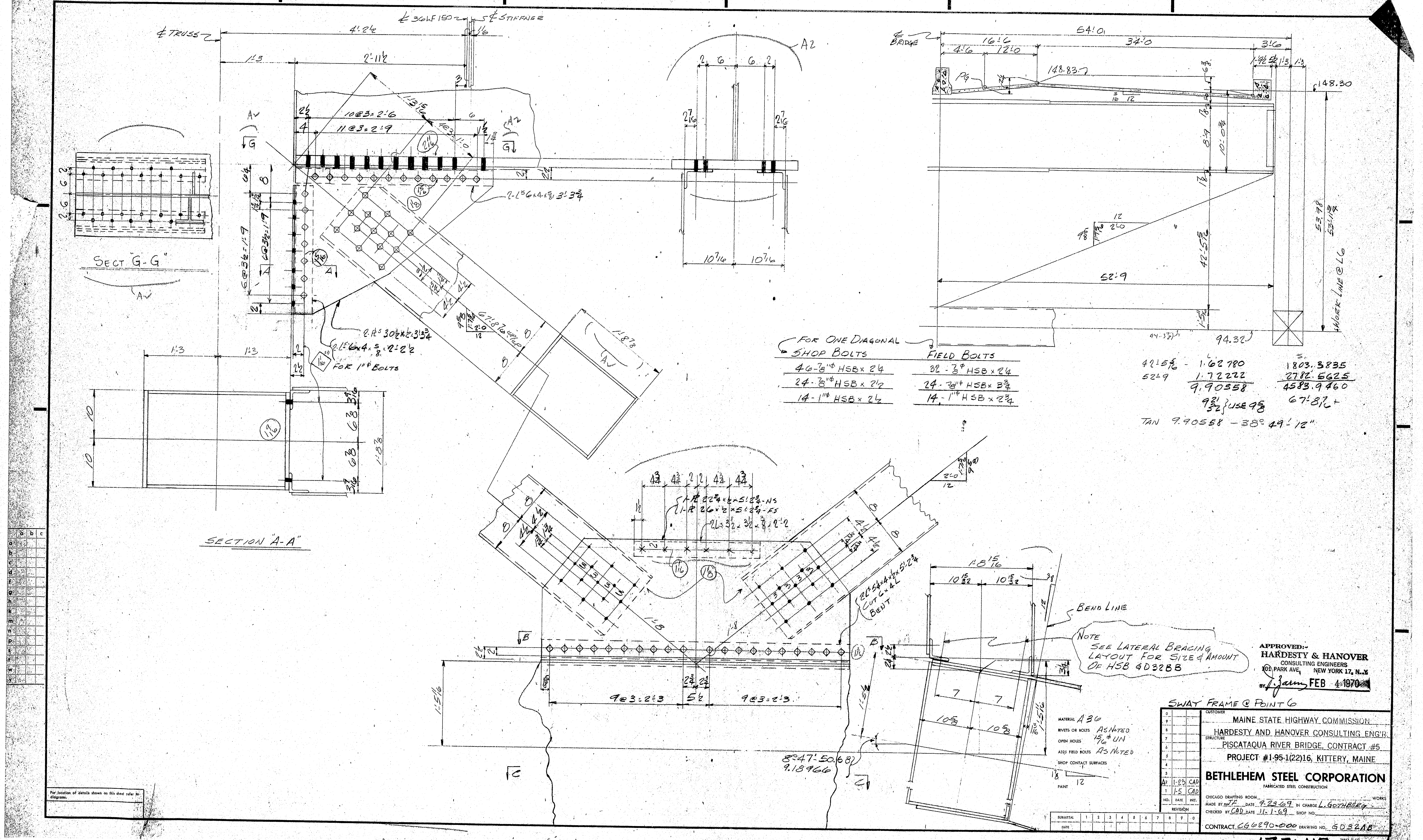
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RG DATE 10-24-69 IN CHARGE LAG
CHECKED BY CAD DATE 10-27-69 SHOP NO.
CONTRACT CG6 290-000 DRAWING NO. GD3188

36663 (1-65)

For location of details shown on this sheet refer to diagrams.

133:116



NOTE
SEE LATERAL BRACING LAYOUT FOR SIZE & AMOUNT OF HSB GD32BB

FOR ONE DIAGONAL

SHOP BOLTS	FIELD BOLTS
46-⅞"φ HSB × 2¼	32-⅞φ HSB × 2¼
24-⅞"φ HSB × 2½	24-⅞"φ HSB × 3¾
14-1"φ HSB × 2½	14-1"φ HSB × 2¾

42'-5 5/16 - 1.62780
52'-9 1.72222
9.90558
9 21/32 } USE 9⅝

1803.3835
2782.5625
4583.9460
67'-8 7/16 +

TAN 9.90558 - 38° 49' 12"

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE, NEW YORK 17, N.Y.
BY J. Zarum FEB 4 1970

SWAY FRAME @ POINT 6

MATERIAL A36
RIVETS OR BOLTS AS NOTED
OPEN HOLES 15/16φ UN
A325 FIELD BOLTS AS NOTED
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
A2	1-23	CAD
1	1-5	CAD

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

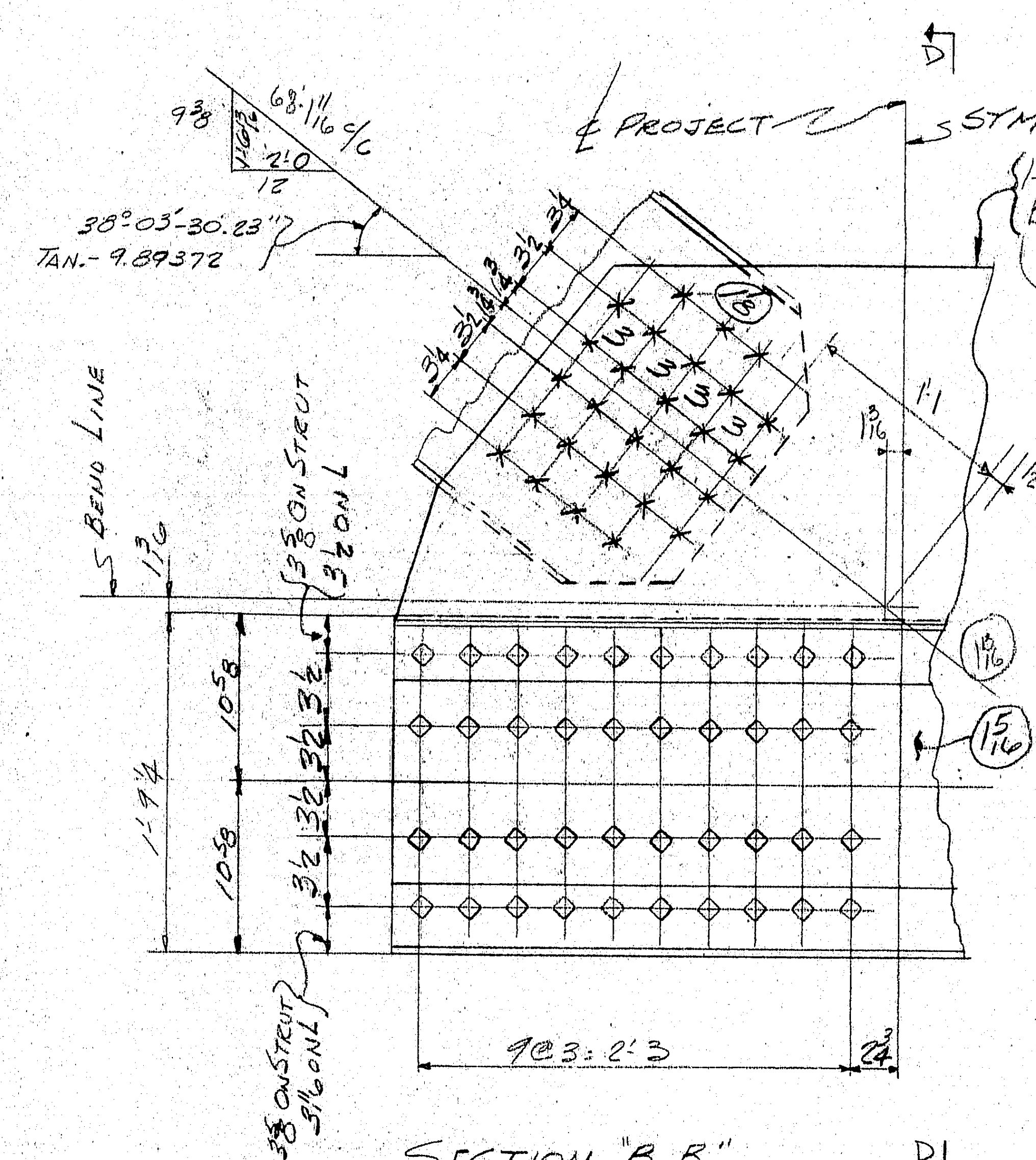
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM WORKS
MADE BY JF DATE 9-23-69 IN CHARGE L. GOTHBERG
CHECKED BY CAD DATE 11-1-69 SHOP NO.
CONTRACT 6G6290-000 DRAWING NO. GD32AB

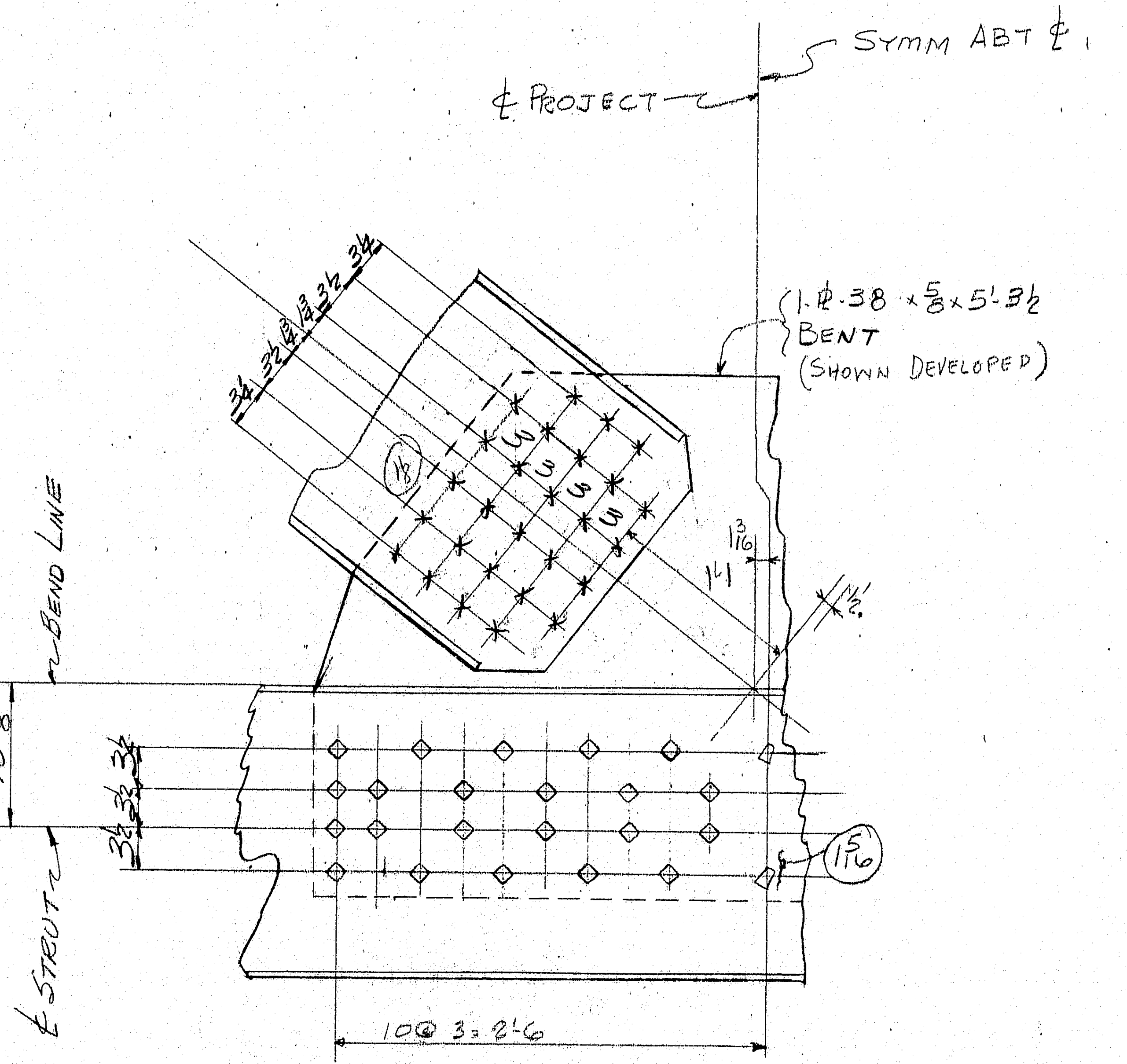
For location of details shown on this sheet refer to diagrams.

133:117

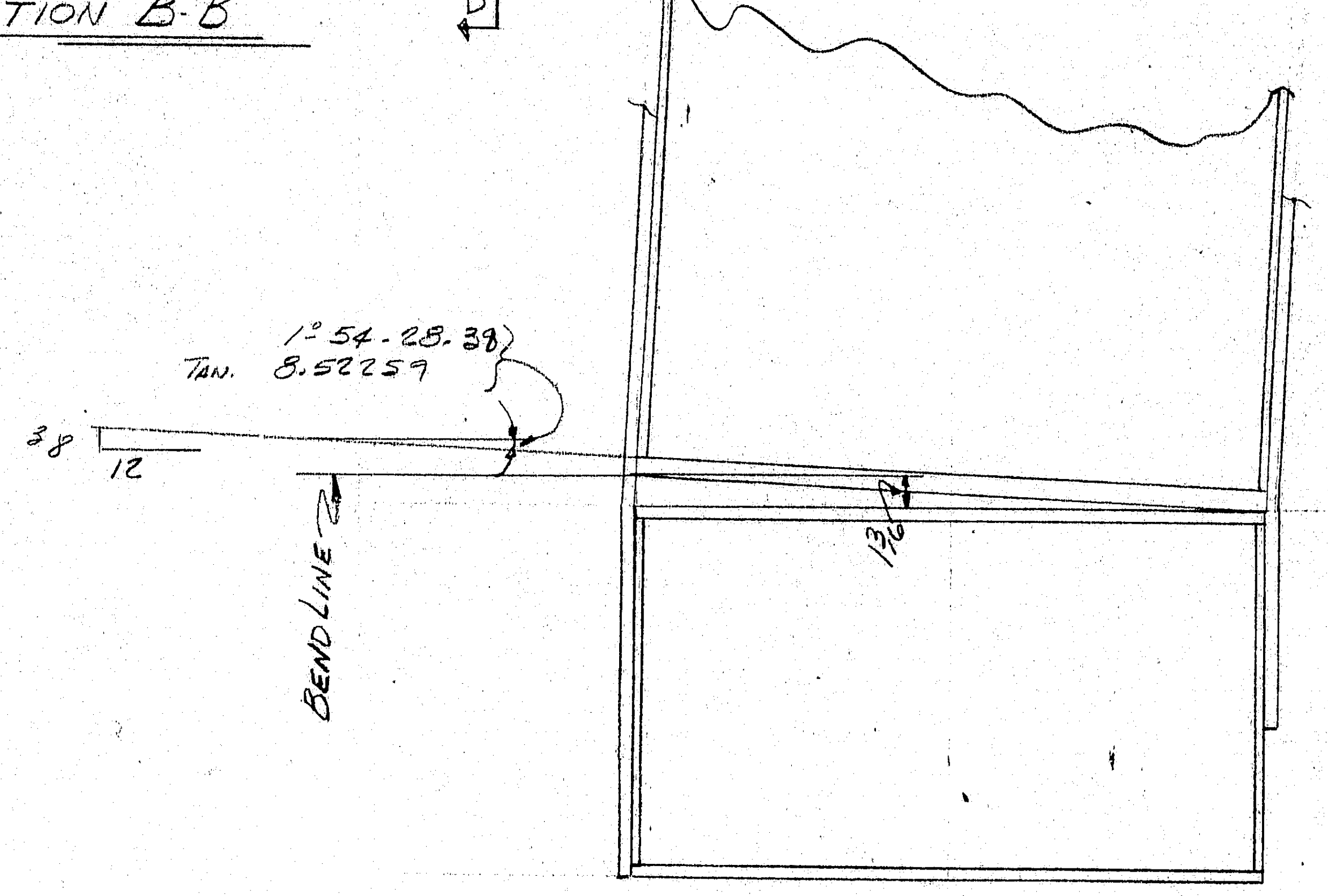
36663 (1-65)



SECTION "B-B"



SECTION "C-C"



SECTION D-D

BOLTS FOR ONE DIAGONAL

SHOP BOLTS	FIELD BOLTS
43-7/8"⌀ x 2 1/4	54-7/8"⌀ x 2 1/4
20-7/8 x 3	

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY J. Zarins DEC 1969

(BOTTOM CHORD LATERALS BETW. POINTS 6 & 7)

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
R1	11-18	CAD

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

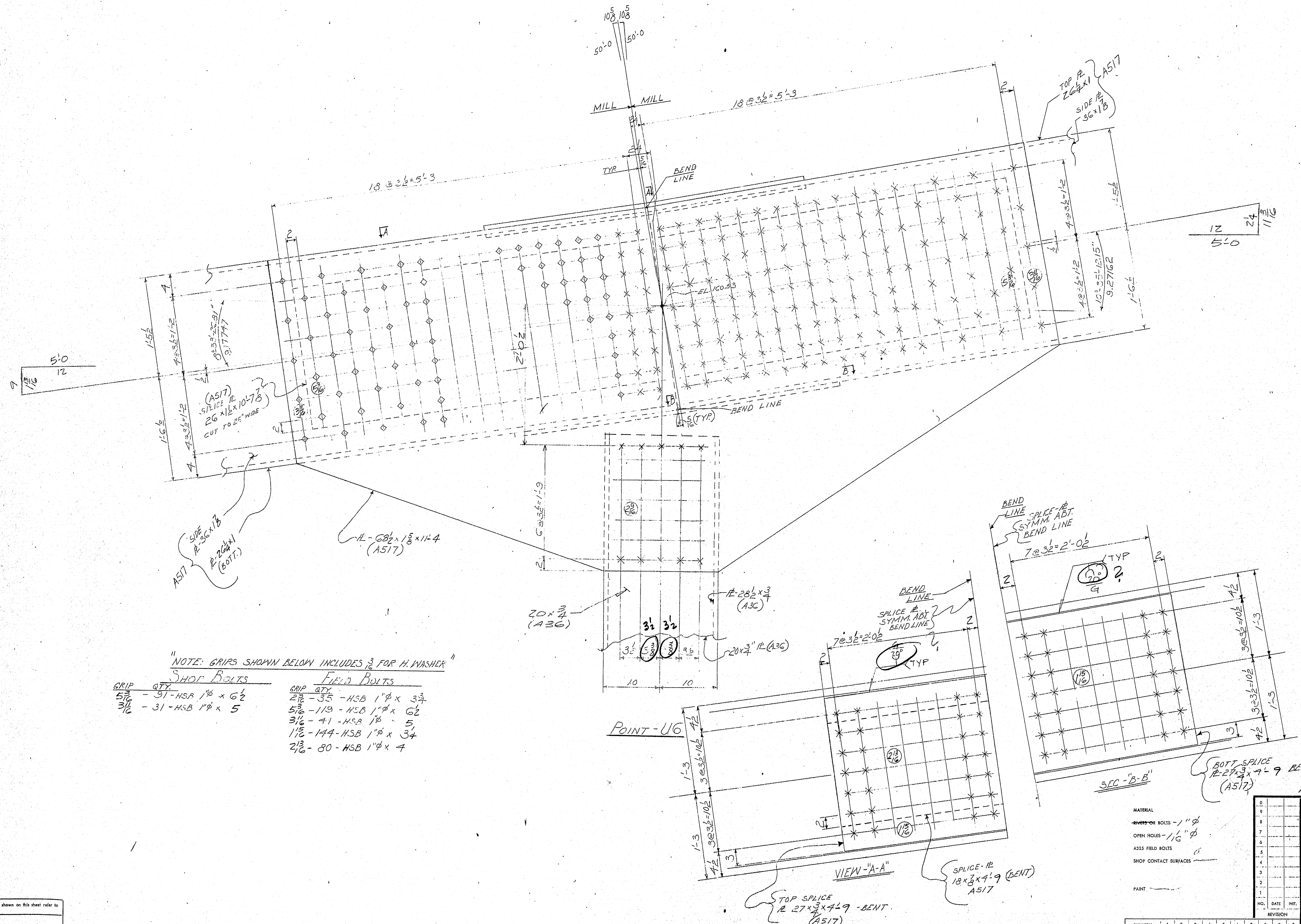
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JF DATE IN CHARGE L. GOTHBERG
CHECKED BY CAD DATE 11-1-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. 6D32BB

36663 (1-65)

For location of details shown on this sheet refer to diagrams.

133:118



"NOTE: GRIPS SHOWN BELOW INCLUDES 3/16 FOR H. WASHER"

SHOP BOLTS

GRIP	QTY.	
5 3/16	- 91 -	HSB 1"Ø x 6 1/2
3 11/16	- 31 -	HSB 1"Ø x 5

FIELD BOLTS

GRIP	QTY.	
2 9/16	- 35 -	HSB 1"Ø x 3 3/4
5 3/16	- 119 -	HSB 1"Ø x 6 1/2
3 11/16	- 41 -	HSB 1"Ø x 5
1 15/16	- 144 -	HSB 1"Ø x 3 1/4
2 13/16	- 80 -	HSB 1"Ø x 4

To Be Revised and Resubmitted
For Approval
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY J. Z. FEB 3 1970

PANEL POINT - U6

MATERIAL
~~RIVETS OR~~ BOLTS - 1"Ø
OPEN HOLES - 1 1/16"Ø
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
1		

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

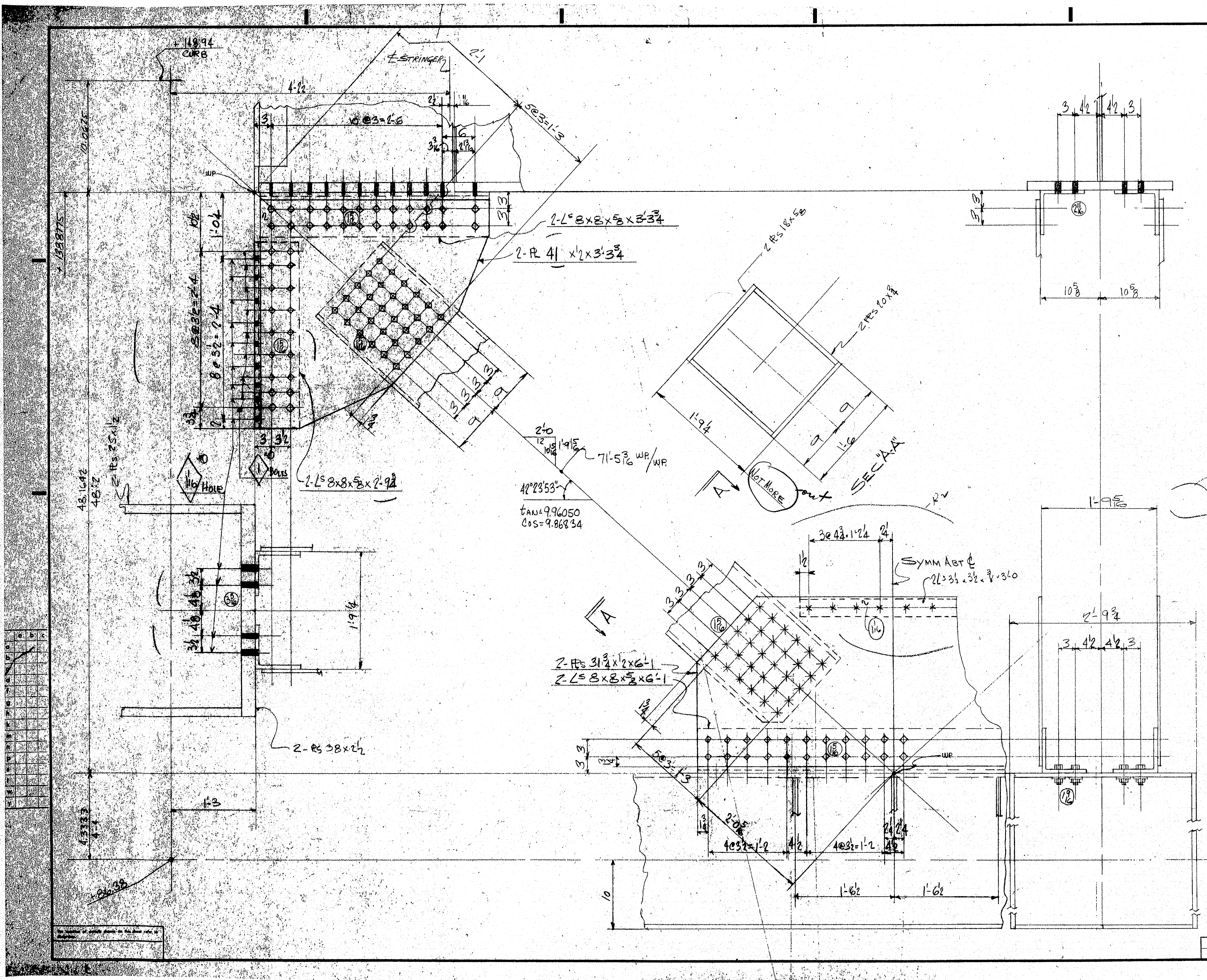
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM WORKS
MADE BY MG DATE 9-24-69 IN CHARGE L.G.
CHECKED BY P.S. DATE 10-22-69 SHOP NO.
CONTRACT CGG290-000 DRAWING NO. GD33

36663 (1-65)

133:119

For location of details shown on this sheet refer to diagrams.



48.1642 = 1.6827243
52'-9 = 1.72222
tan = 9.9605043 = 42°23'53"
Cos 42°23'53 = 9.86833

52'-9 = 1.72222
9.86833
1.85389 = 71'-5 3/16

FOR ONE DIAGONAL

SHOP BOLTS	FIELD BOLTS
148-HSB 7/8ϕ x 2 1/2	36-HSB 1ϕ x 4 1/2
36-HSB 1ϕ x 2 1/2	48-HSB 7/8ϕ x 3 3/4
40-HSB 7/8ϕ x 2 3/4	60-HSB 7/8ϕ x 2 1/2
	8-HSB 7/8ϕ x 2 1/4

R✓

MATERIAL — A36
RIVETS OR BOLTS 7/8ϕ UN.
OPEN HOLES 15/16 UN.
A325 FIELD BOLTS ——
SHOP CONTACT SURFACES ——
PAINT —

APPROVED:- As Corrected
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY J. Z. JAN 15 1970

SWAY FRAME AT POINT ⑦

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
R2	1-5	CAD
R1	11-19	CAD

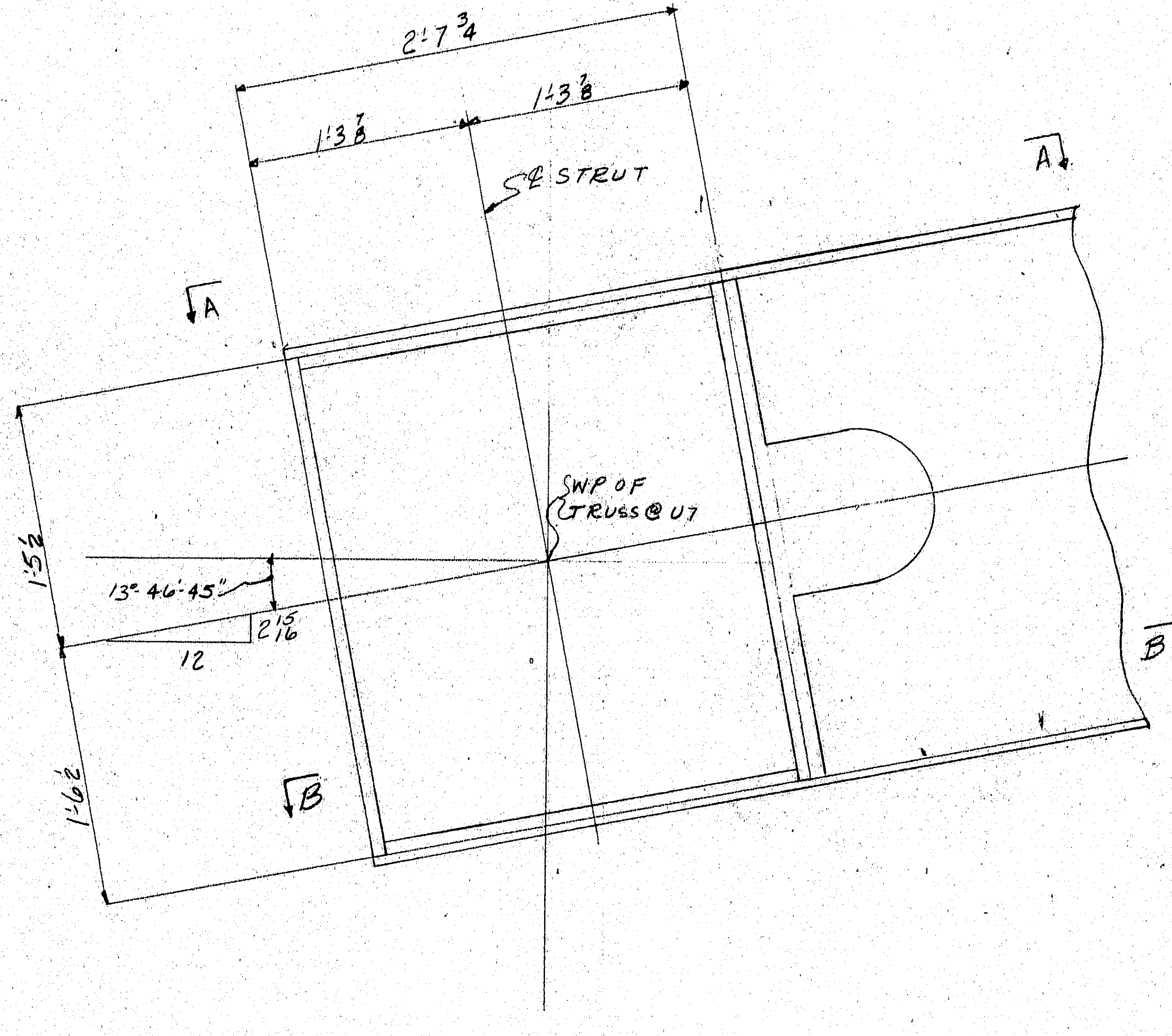
REVISION

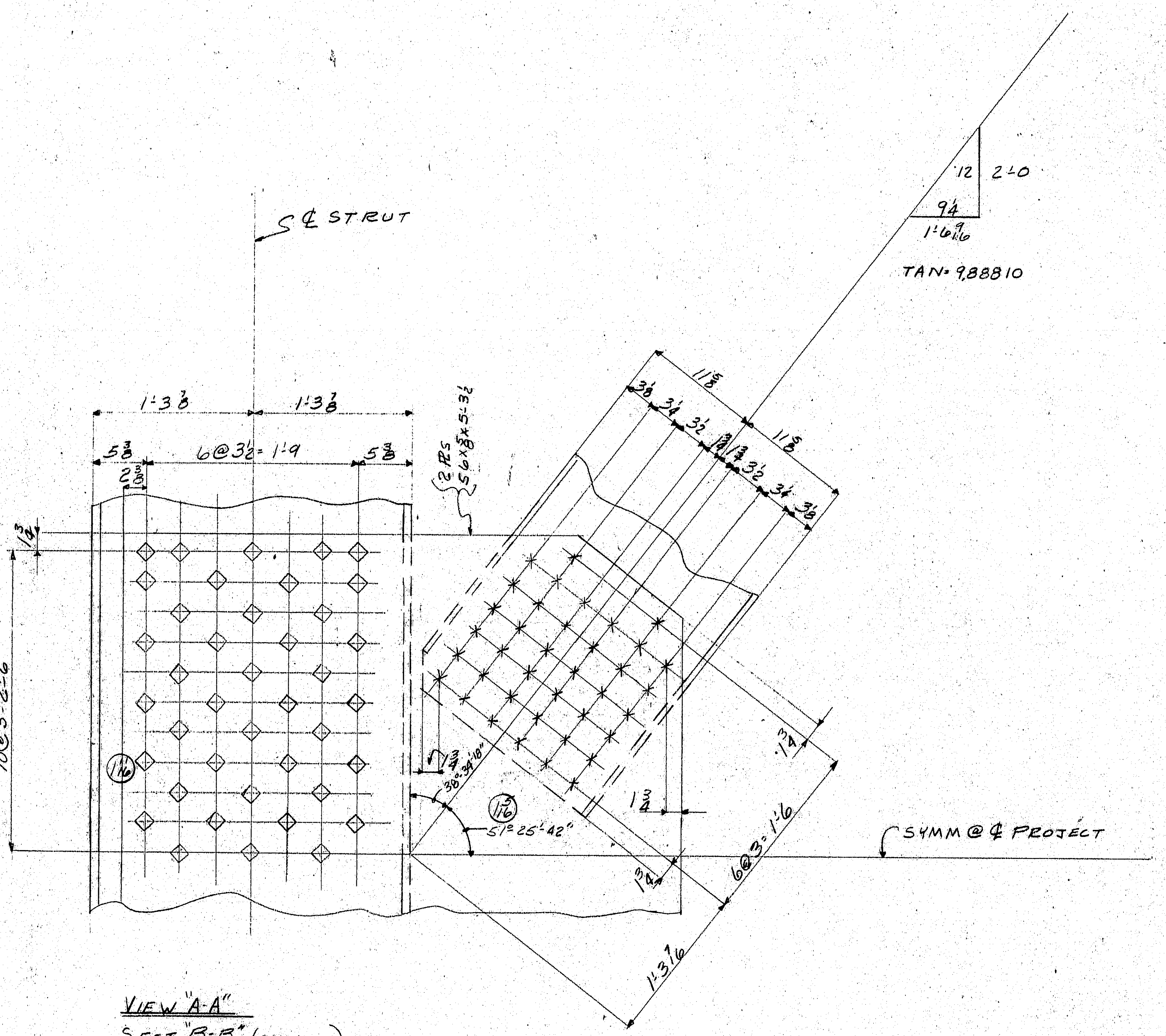
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY LWA DATE 9-25 IN CHARGE LAG
CHECKED BY CAD DATE 11-1-69 SHOP NO.
CONTRACT 666290-000 DRAWING NO. 40 34 AB

133:120





VIEW "A-A"
SECT "B-B" (SIMILAR)

BOLT GRIPS INCLUDE 3/16 HARDWASHERS

BOLTS FOR ONE DIAGONAL

SHOP BOLTS
77-7/8 ⌀ A325 × 2 3/4

FIELD BOLTS
76-7/8 ⌀ A325 × 2 1/2

	a	b	c
a			
b			
c			
d			
f			
g			
h			
k			
m			
n			
p			
s			
t			
w			
y			

For location of details shown on this sheet refer to diagrams.

APPROVED:-
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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY J. Z. DEC 23 1969

TOP CHORD LATERAL BRACING @ U7

MATERIAL A36
RIVETS OR BOLTS
OPEN HOLES 15/16" ⌀
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
1		

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY R.G. DATE 11-5-69 IN CHARGE LAG
CHECKED BY C.A.D. DATE 11-6-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD34BB

36663 (1-65)

133:121

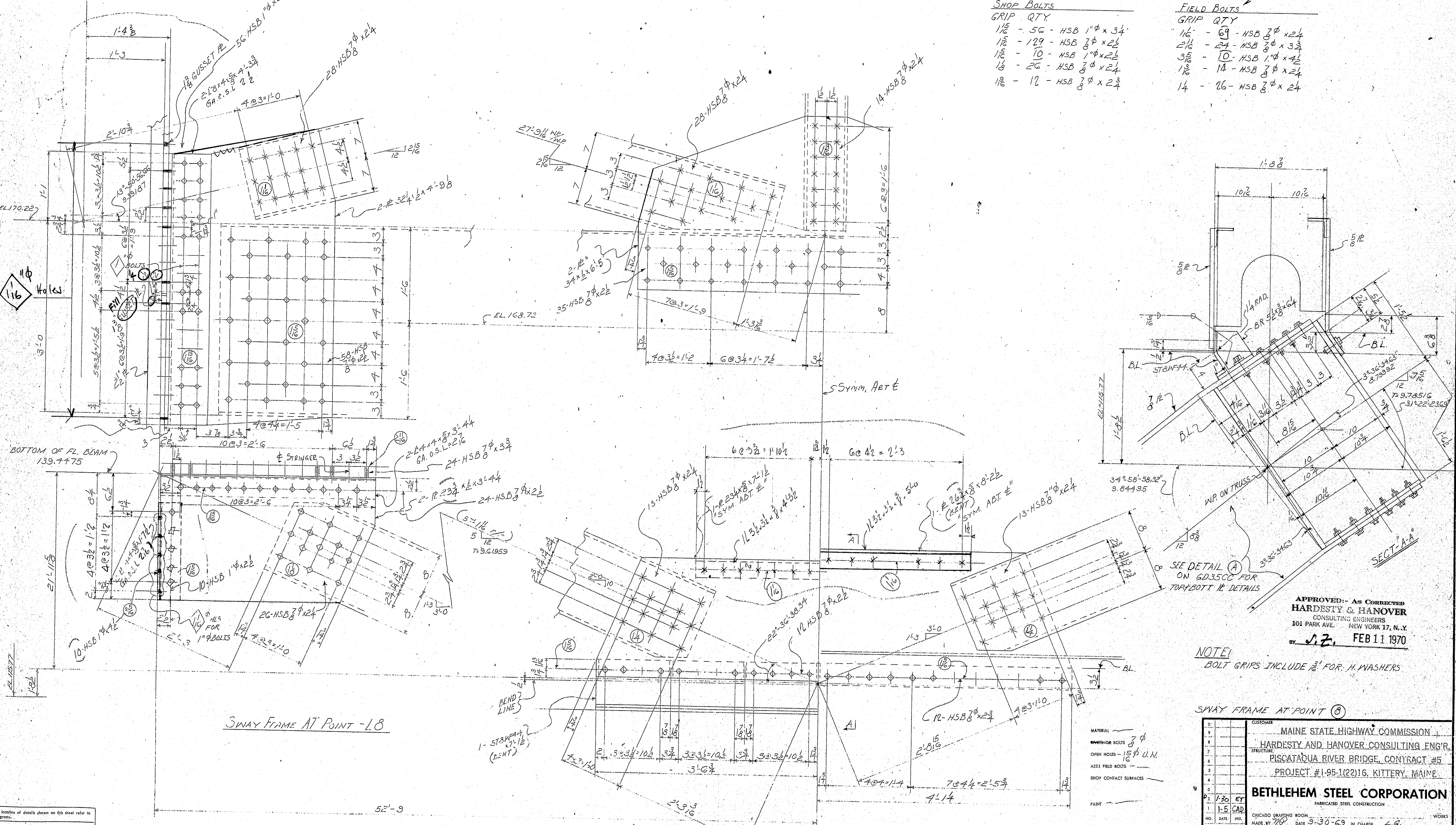
QUANTITY FOR ONE HALF OF SWAY FRAME

SHOP BOLTS

GRIP	QTY.	
1 15/16	56	HSB 1"φ x 3 1/4
1 5/16	129	HSB 7/8φ x 2 1/2
1 5/16	10	HSB 1"φ x 2 1/2
1 1/8	26	HSB 7/8φ x 2 1/4
1 9/16	12	HSB 7/8φ x 2 3/4

FIELD BOLTS

GRIP	QTY	
1 1/16	69	HSB 7/8φ x 2 1/4
2 11/16	24	HSB 7/8φ x 3 3/4
3 5/16	10	HSB 1"φ x 4 1/2
1 3/16	14	HSB 7/8φ x 2 1/4
1 1/4	26	HSB 7/8φ x 2 1/4



SWAY FRAME AT POINT -18

SEE DETAIL Ⓐ ON GD35CC FOR TOP+BOTT PL DETAILS

APPROVED:- AS CORRECTED
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY S.Z. FEB 11 1970

NOTE!
BOLT GRIPS INCLUDE 3/16" FOR H. WASHERS

SWAY FRAME AT POINT ⑧

MATERIAL
~~RIVETS OR~~ BOLTS 7/8φ
OPEN HOLES - 15/16φ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2	1-30	ET
1	1-5	CAD

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

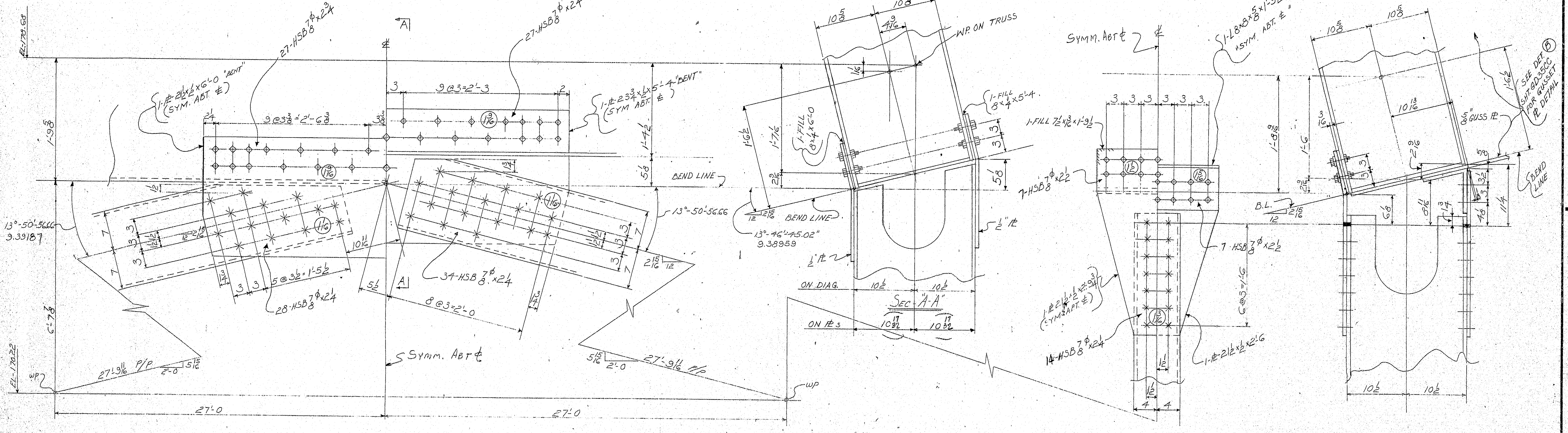
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM WORKS
MADE BY MD DATE 9-30-69 IN CHARGE L.G.
CHECKED BY G.A.D. DATE 11-8-69 SHOP NO.
CONTRACT CBG290-000 DRAWING NO. GD35AC

For location of details shown on this sheet refer to diagrams.

36663 (1-65)

133:122



SWAY FRAME AT POINT -L8-U8
"LOOKING EAST"

QUANTITY FOR ONE HALF SWAY FRAME

SHOP BOLTS

GRIP	QTY.	
1 9/16	54	HSB 7/8 ϕ x 2 3/4
1 1/2	7	HSB 7/8 ϕ x 2 1/2
1 5/16	7	HSB 7/8 ϕ x 2 1/2

FIELD BOLTS

GRIP	QTY.	
1 1/16	62	HSB 7/8 ϕ x 2 1/4
1 3/16	14	HSB 7/8 ϕ x 2 1/4

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101 PARK AVE. NEW YORK 17, N.Y.
BY J. Garing JAN 15 1970

SWAY FRAME AT POINT ⑧

MATERIAL
~~RIVETS OR~~ BOLTS 7/8 ϕ
OPEN HOLES – 15/16 ϕ
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
1	1-5	CAD

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

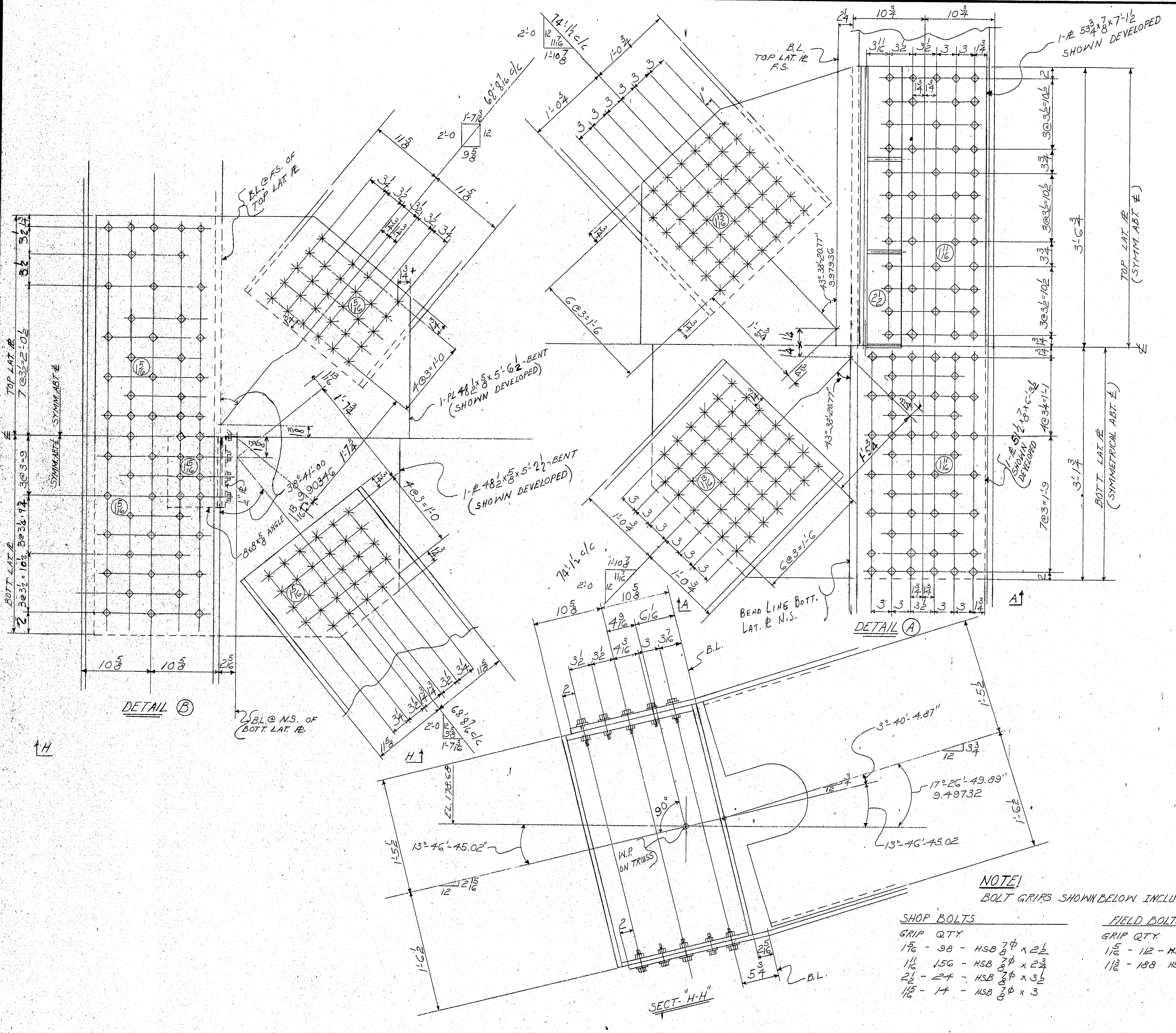
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM WORKS
MADE BY MD DATE 10-2-69 IN CHARGE LG
CHECKED BY CAD DATE 11-8-69 SHOP NO.
CONTRACT CGC290-000 DRAWING NO. GD35BC

133:123

36663 (1-65)

For location of details shown on this sheet refer to diagrams.



DETAIL (A)
DETAIL (B)
SECT. "H-H"
B.L. TOP LAT. ℞ F.S.
1-℞ 53¾ x 7/8 x 7'-1½ SHOWN DEVELOPED
TOP LAT. ℞ (SYMM. ABT. ℄)
BOTT. LAT. ℞ (SYMMETRICAL ABT. ℄)
BEND LINE BOTT. LAT. ℞ N.S.
B.L. @ F.S. OF TOP LAT. ℞
B.L. @ N.S. OF BOTT. LAT. ℞
1-℞ 48½ x 5/8 x 5'-6½-BENT (SHOWN DEVELOPED)
1-℞ 48½ x 5/8 x 5'-2½-BENT (SHOWN DEVELOPED)
30°-41'-00
6@3=1'-6
4@3=1'-0
W.P. ON TRUSS
90°
3°-40'-4.87"
17°-26'-49.89" 9.49732
13°-46'-45.02"
B.L.

NOTE!
BOLT GRIPS SHOWN BELOW INCLUDE $\frac{3}{16}$" FOR H. WASHERS

SHOP BOLTS
GRIP QTY.
$1\frac{5}{16}$ - 98 - HSB $\frac{7}{8}\phi \times 2\frac{1}{2}$
$1\frac{11}{16}$ 156 - HSB $\frac{7}{8}\phi \times 2\frac{3}{4}$
$2\frac{1}{2}$ - 24 - HSB $\frac{7}{8}\phi \times 3\frac{1}{2}$
$1\frac{15}{16}$ - 14 - HSB $\frac{7}{8}\phi \times 3$

FIELD BOLTS
GRIP QTY.
$1\frac{5}{16}$ - 112 - HSB $\frac{7}{8}\phi \times 2\frac{1}{2}$
$1\frac{13}{16}$ - 188 HSB $\frac{7}{8}\phi \times 3$

SEE GD35AC FOR SECT "A-A"

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY J. Zarin DEC 23 1969

LATERAL BRACING @ SWAY FRAME PT-8

MATERIAL
~~RIVETS OR~~ BOLTS $\frac{7}{8}\phi$
OPEN HOLES - $\frac{15}{16}\phi$
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
1		

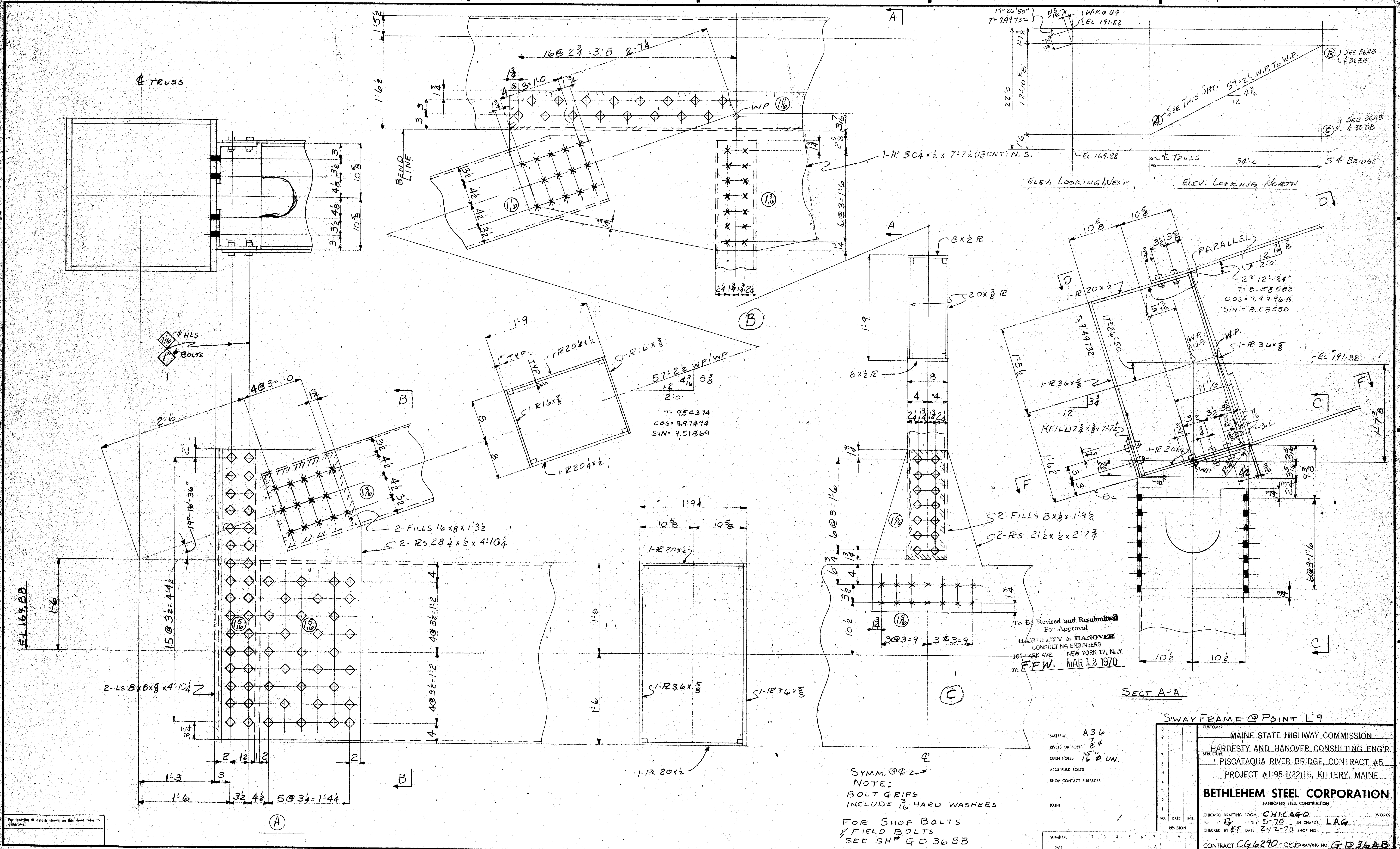
REVISION

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHGO WORKS
MADE BY NP DATE 11-12-69 IN CHARGE L.G.
CHECKED BY CAD DATE 11-17-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD35CC

133:124

For location of details shown on this sheet refer to diagrams.



Symm. @ ℄
NOTE:
BOLT GRIPS
INCLUDE 3/16 HARD WASHERS

FOR SHOP BOLTS
& FIELD BOLTS
SEE SH# GD 36BB

To Be Revised and Resubmitted
For Approval
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY F.F.W. MAR 12 1970

SWAY FRAME @ POINT L9

MATERIAL A36
RIVETS OR BOLTS 7/8 ϕ
OPEN HOLES 15/16" ϕ UN.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
1		

REVISION

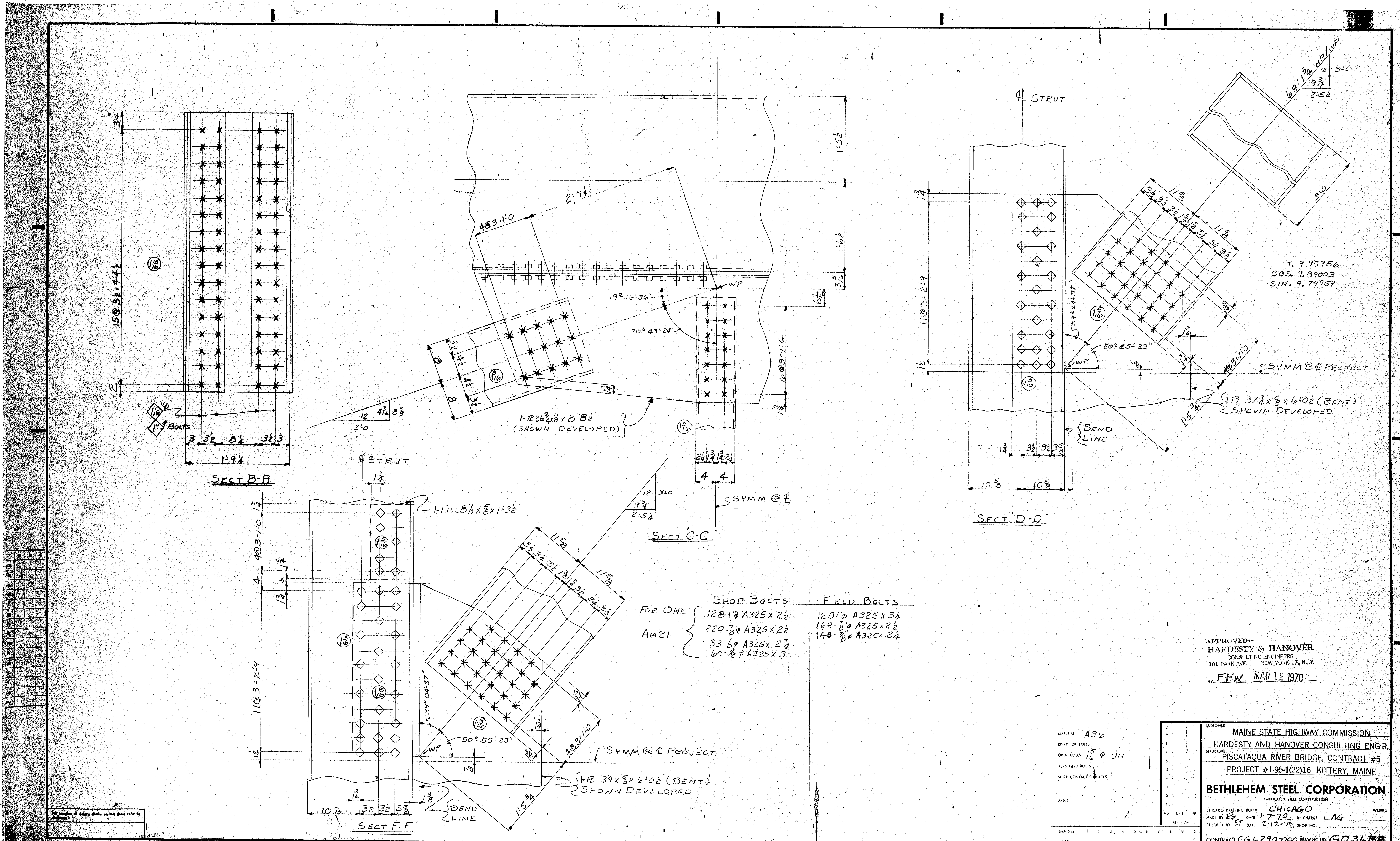
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY BG DATE 1-5-70 IN CHARGE LAG
CHECKED BY ET DATE 2-12-70 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD 36AB

133:125



	SHOP BOLTS	FIELD BOLTS
FOR ONE AM21	128-1"φ A325 x 2½	128 1"φ A325 x 3¼
	220-⅞φ A325 x 2½	168-⅞"φ A325 x 2½
	33 ⅞φ A325 x 2¾	140-⅞φ A325 x 2¼
	60-⅞φ A325 x 3	

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY FFW. MAR 12 1970

MATERIAL A36
RIVETS OR BOLTS
OPEN HOLES 15/16"φ UN
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

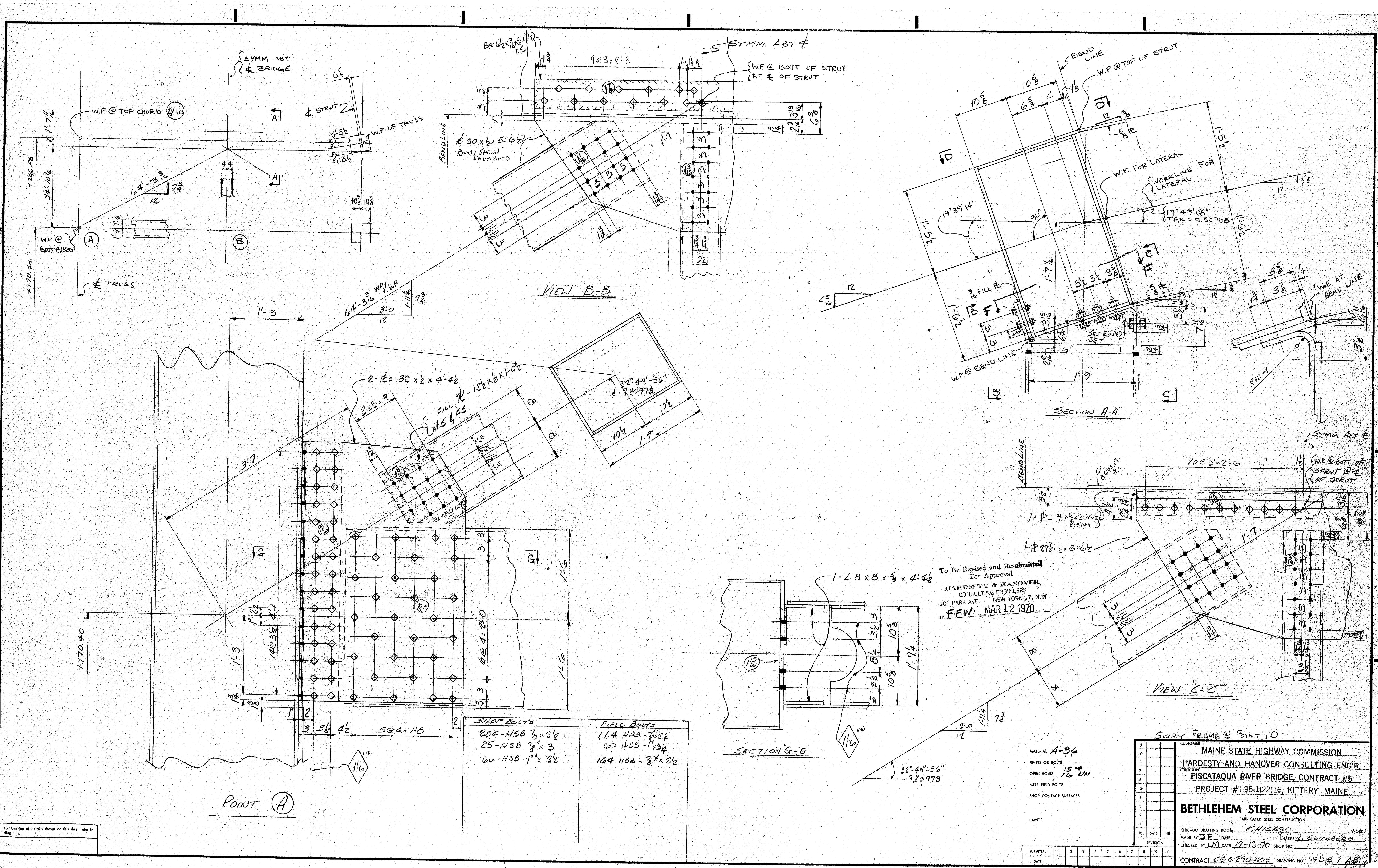
SUBMITTAL 1 2 3 4 5 6 7 8 9 0
DATE

NO. DATE INIT.
REVISION

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RG DATE 1-7-70 IN CHARGE LAG
CHECKED BY ET DATE 2-12-70 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD 36BB

133:126



To Be Revised and Resubmitted
For Approval
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY F.F.W. MAR 12 1970

SHOP BOLTS	FIELD BOLTS
204-HSB 7/8 x 2 1/2	114 HSB - 7/8"φ x 2 1/4
25-HSB 7/8"φ x 3	60 HSB - 1"φ x 3 1/4
60-HSB 1"φ x 2 1/2	164 HSB - 7/8"φ x 2 1/2

For location of details shown on this sheet refer to diagrams.

SWAY FRAME @ POINT 10

MATERIAL A-36
RIVETS OR BOLTS
OPEN HOLES 15/16"φ UN
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
1		

REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

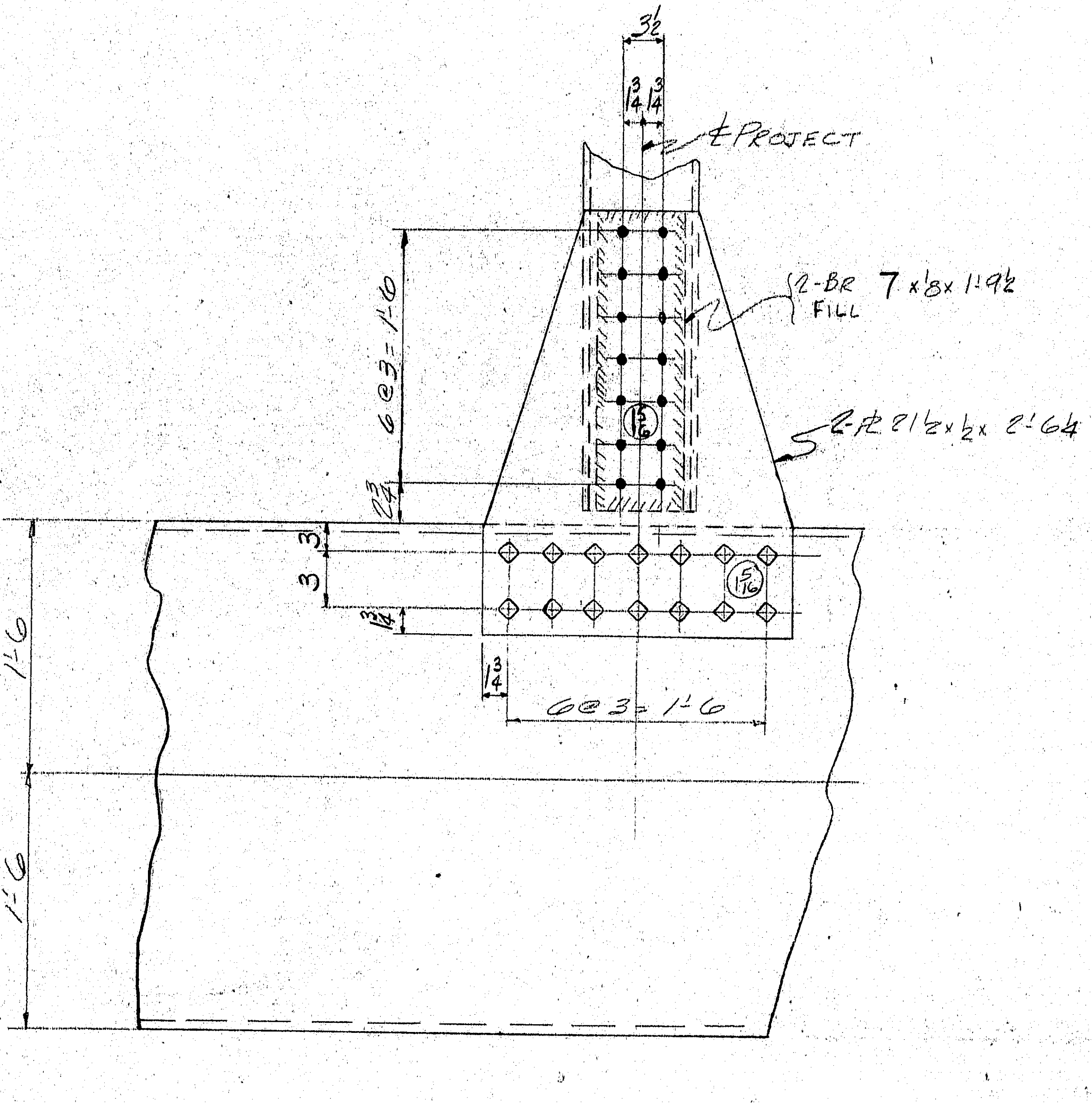
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

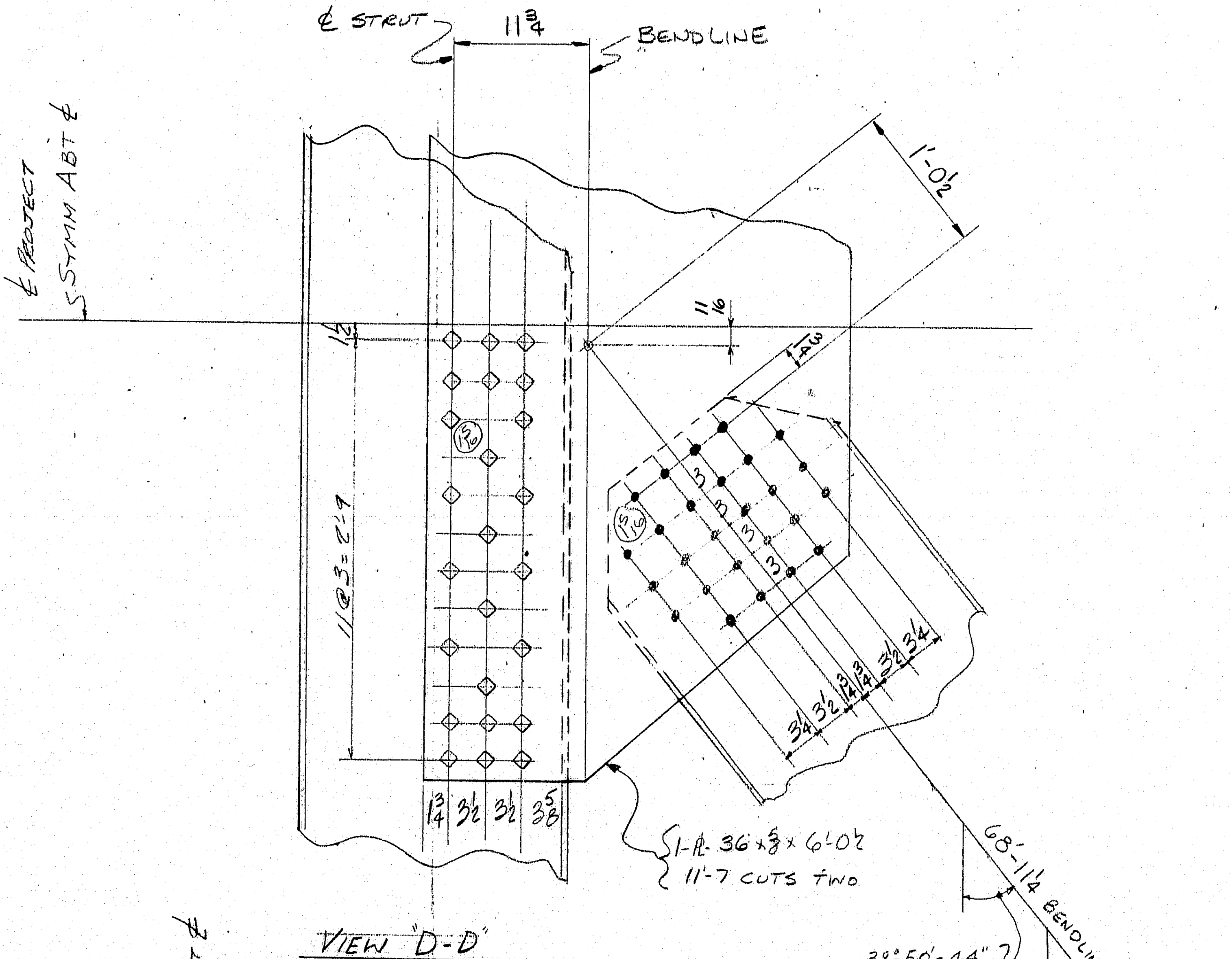
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JF DATE IN CHARGE L. GOTHBERG
CHECKED BY LM DATE 12-13-70 SHOP NO.
CONTRACT C66290-000 DRAWING NO. 4D37 AB

36663 (1-65)

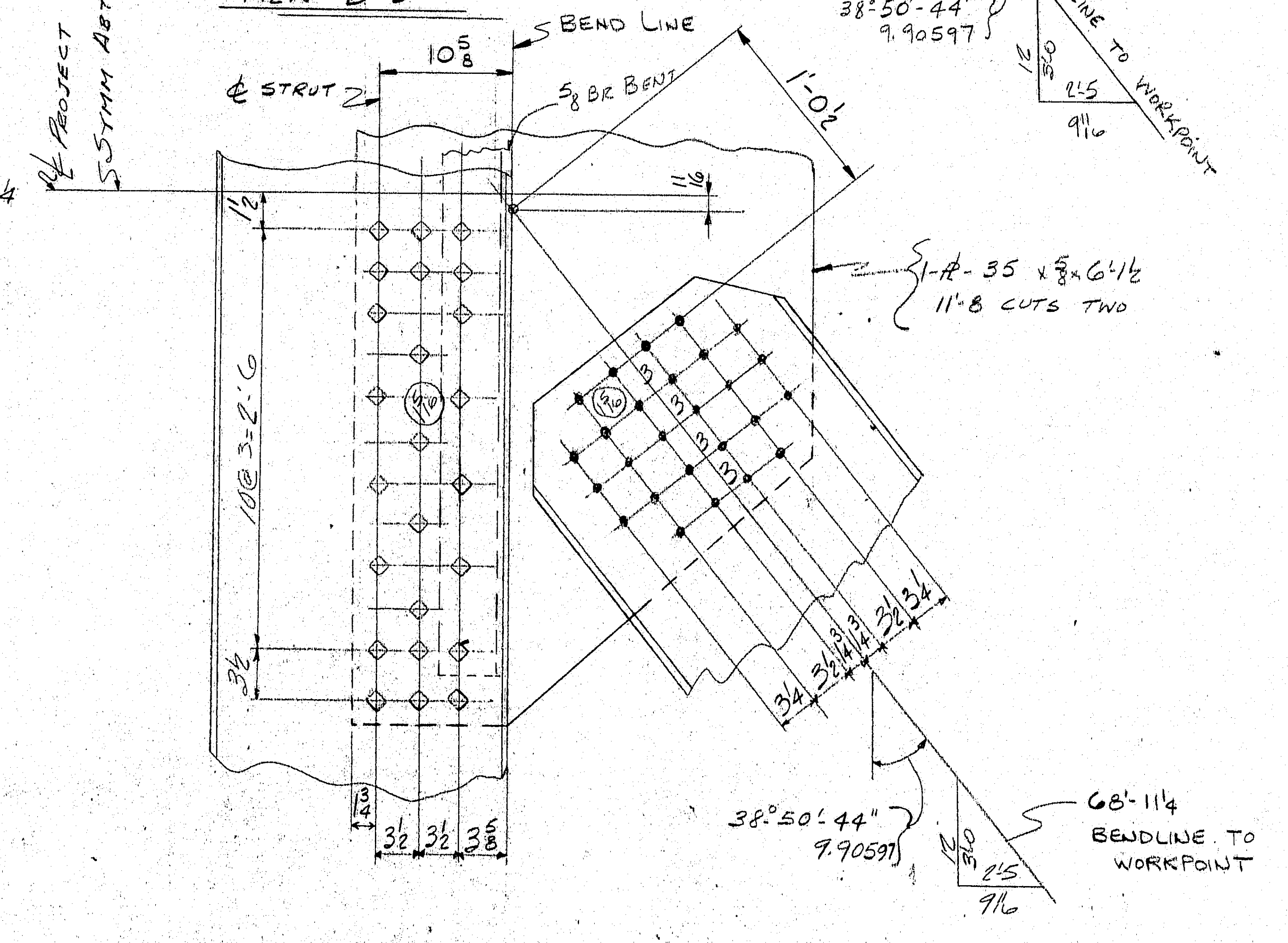
133:127



Ⓑ



VIEW "D-D"



SECTION F-F

For location of details shown on this sheet refer to diagrams.

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CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY F.F.W. MAR 12 1970

SWAY FRAME @ POINT 10

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES

PAINT

NO.	DATE	INIT.
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REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

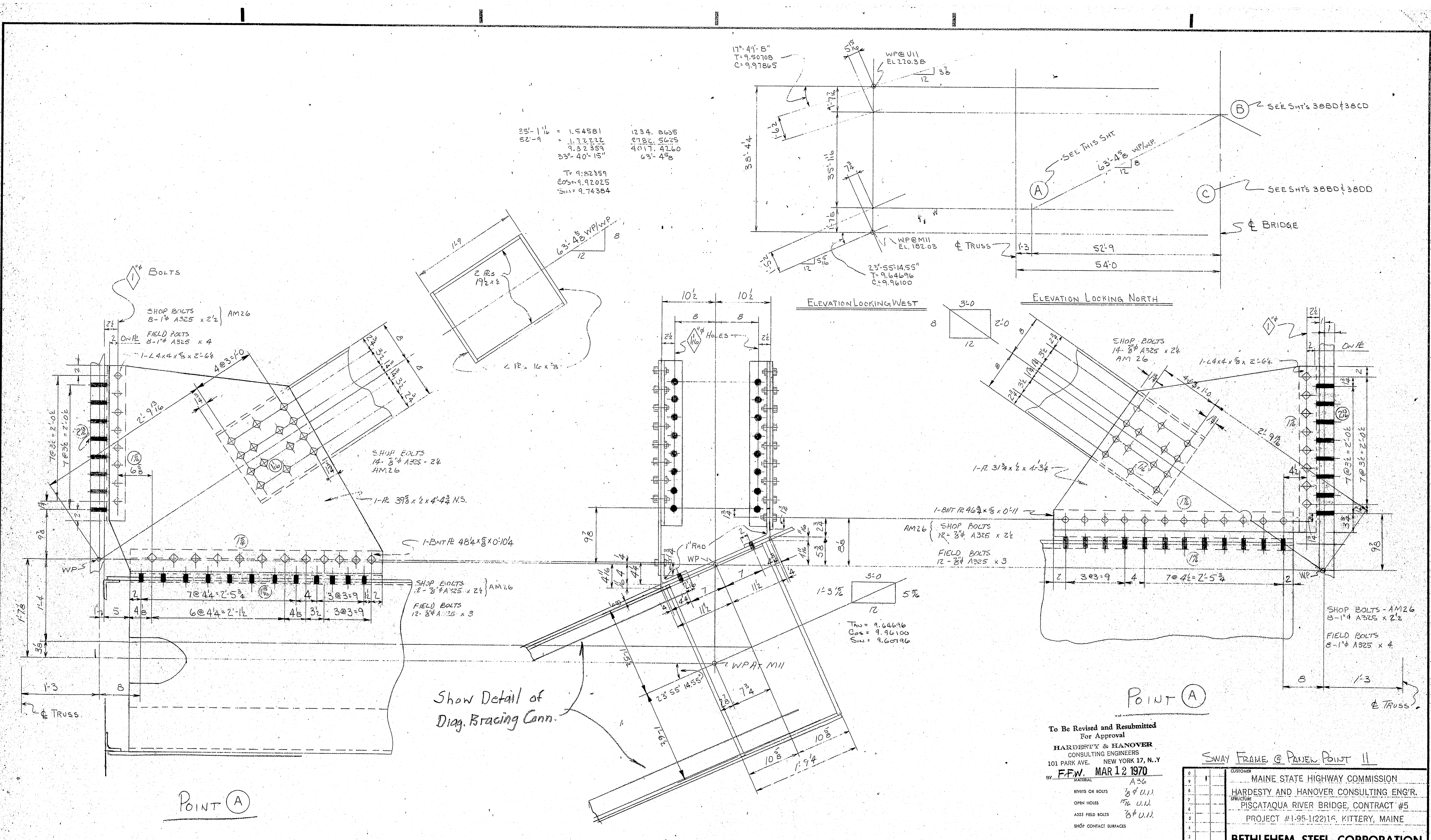
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JF DATE IN CHARGE L. GOTHBERG
CHECKED BY LM DATE 12-13-70 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD37BB

133:128

36663 (1-65)



For location of details shown on this sheet refer to diagrams.

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For Approval
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CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y
BY F.F.W. MAR 12 1970

SWAY FRAME @ PANEL POINT 11

MATERIAL A36
RIVETS OR BOLTS ⅞ ϕ U.N.
OPEN HOLES 15/16 U.N.
A325 FIELD BOLTS ⅞ ϕ U.N.
SHOP CONTACT SURFACES
PAINT

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REVISION

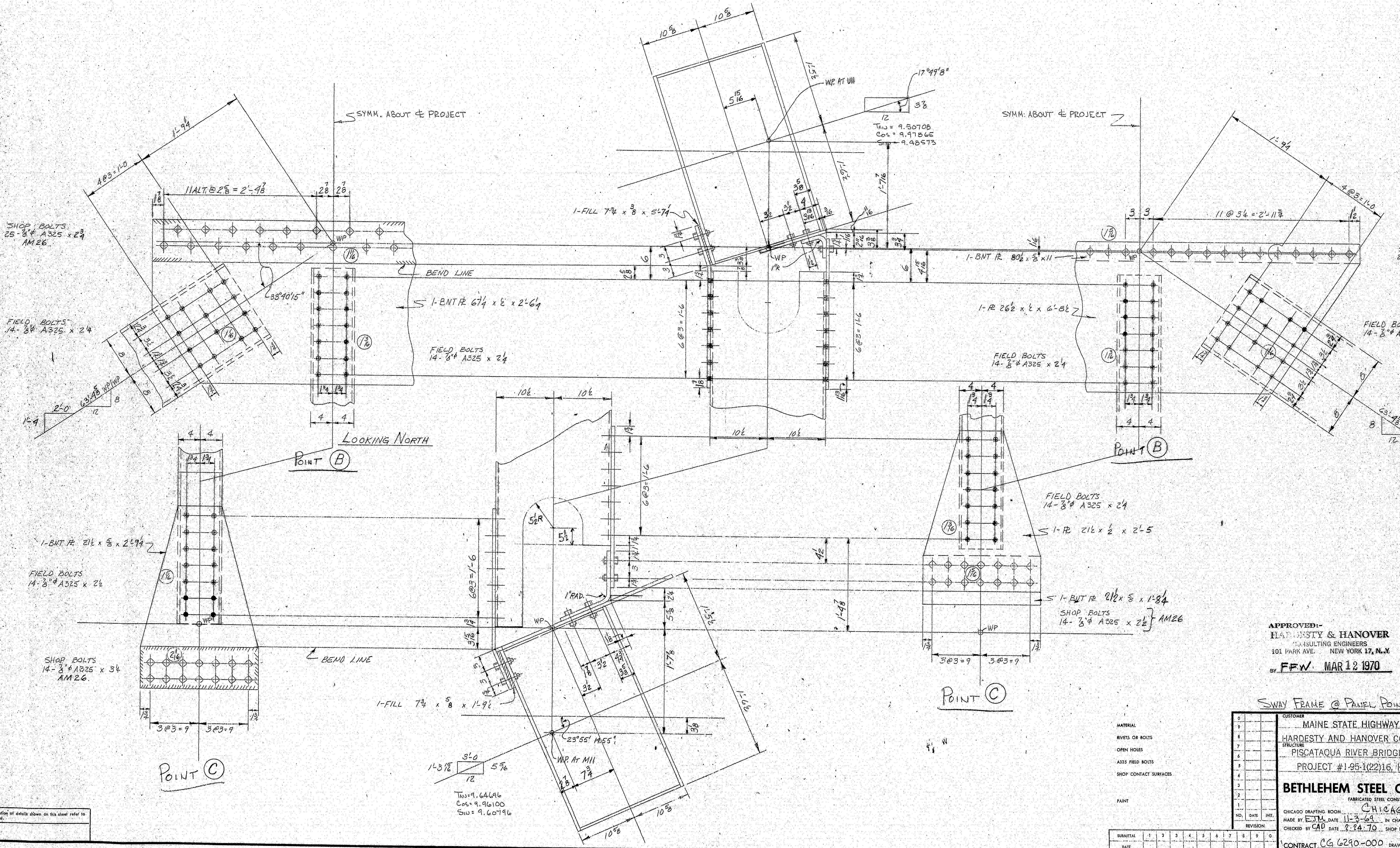
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY EJW DATE 10-28-69 IN CHARGE L. GOTHBERG
CHECKED BY C.A.D. DATE 2-20-70 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD 38 AD

36663 (1-65)

133:129



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CONSULTING ENGINEERS
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BY FFW MAR 12 1970

SWAY FRAME @ PANEL POINT 11

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

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REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
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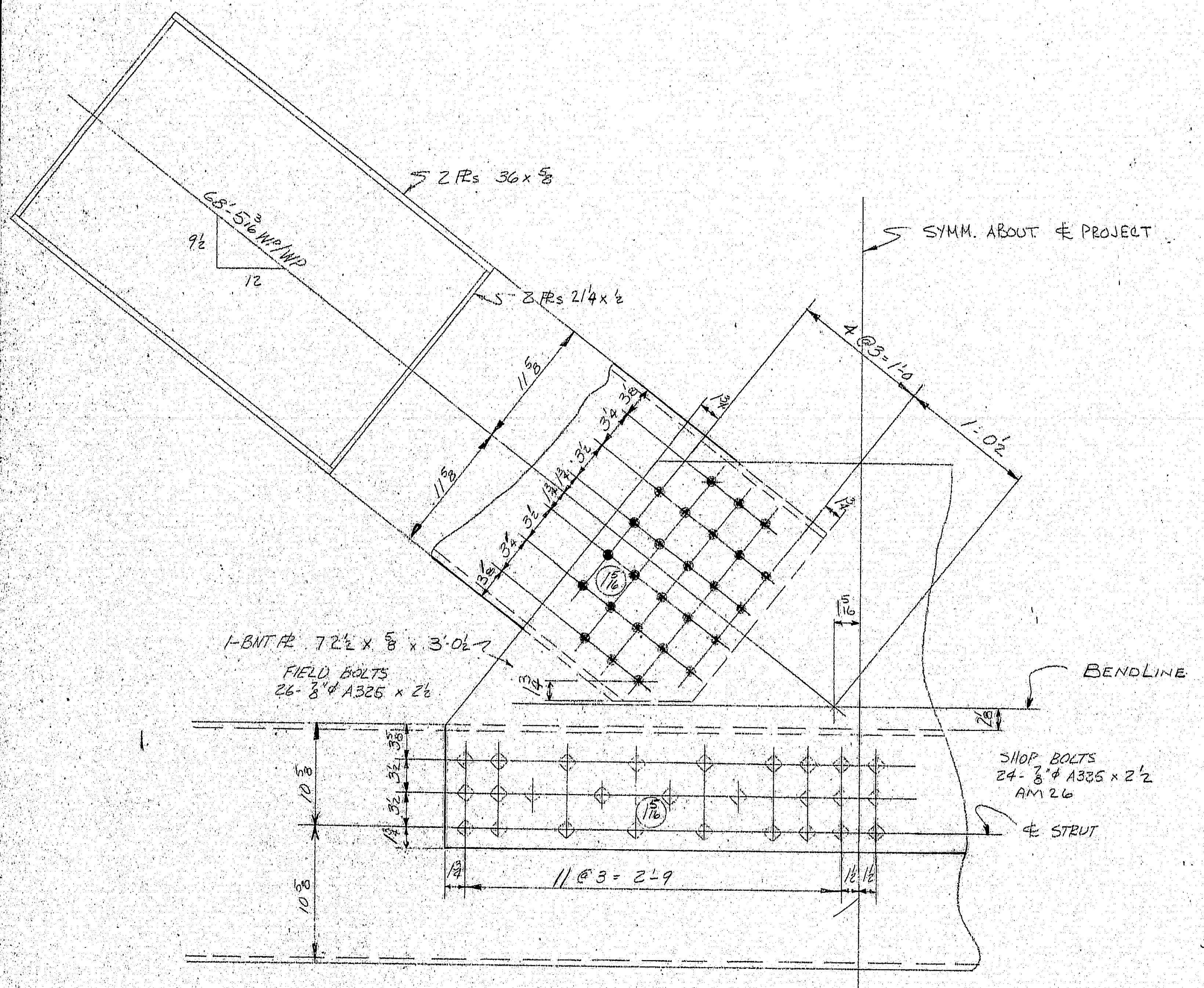
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

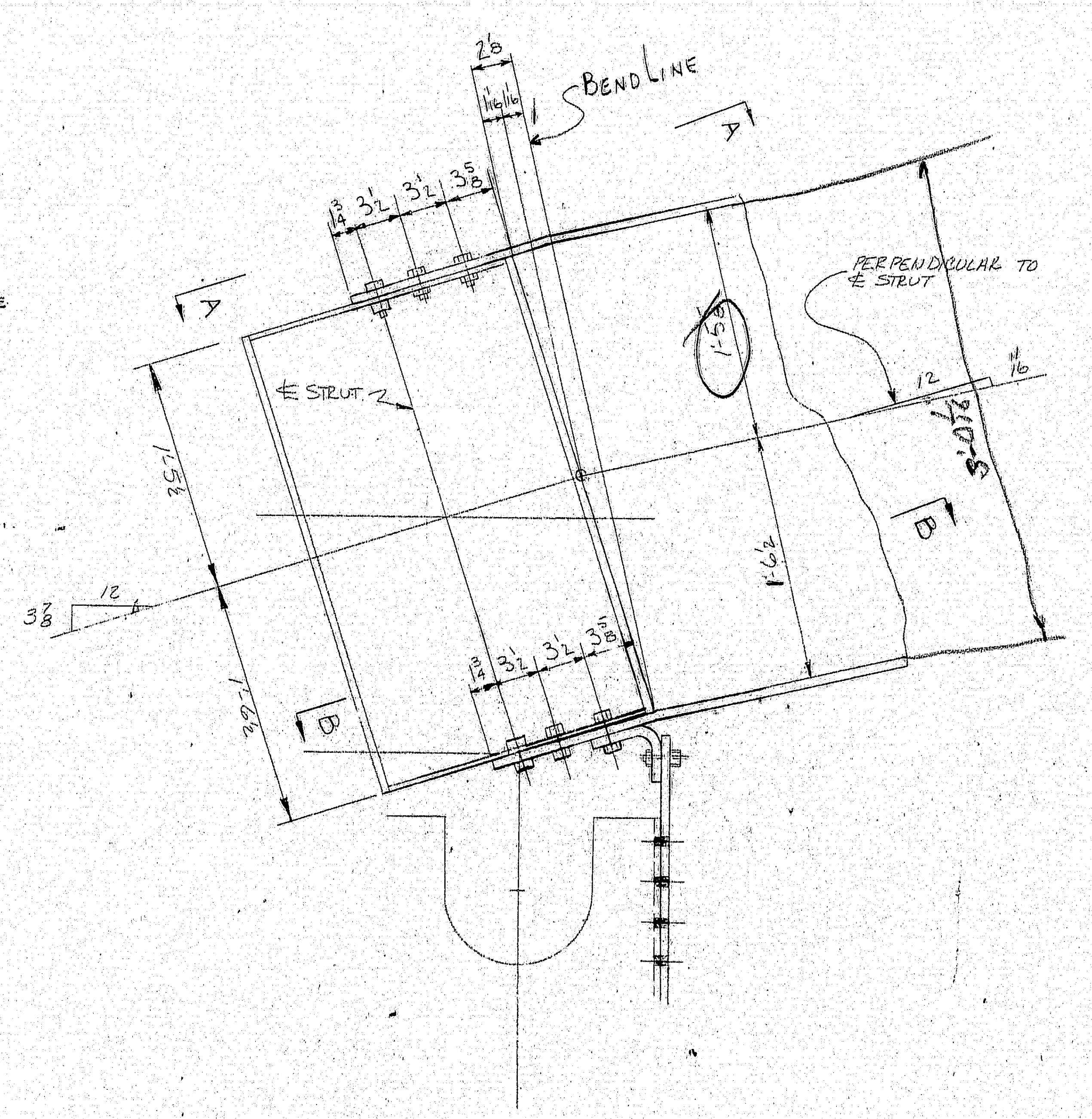
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY EJM DATE 11-3-69 IN CHARGE K. [illegible]
CHECKED BY CAD DATE 2-24-70 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. [illegible]

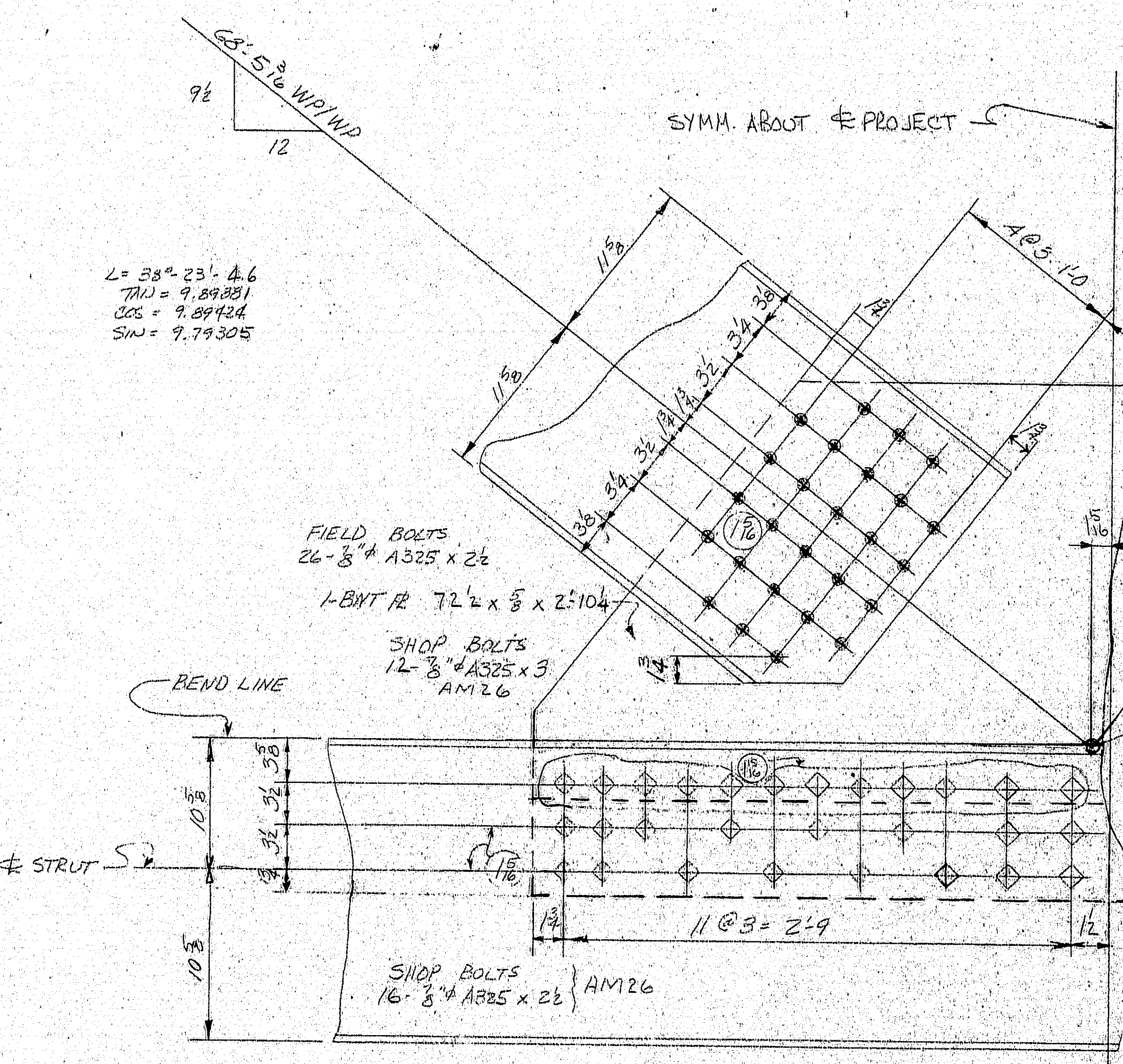
133:130



Section A-A

Top View At Ⓑ





Section B-B

Bott. Sect. At Ⓑ

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101 PARK AVE. NEW YORK 17, N.Y.
BY F.F.W. MAR 12 1970

TOP LATERAL BRACING
OF SWAY FRAME @ PANEL POINT 11

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
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REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY EJM DATE 11-6-69 IN CHARGE L. GOTHBERG
CHECKED BY C.A.D. DATE 2-24-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD 38 CD

36663 (1-65)

133:131

For location of details shown on this sheet refer to diagrams.

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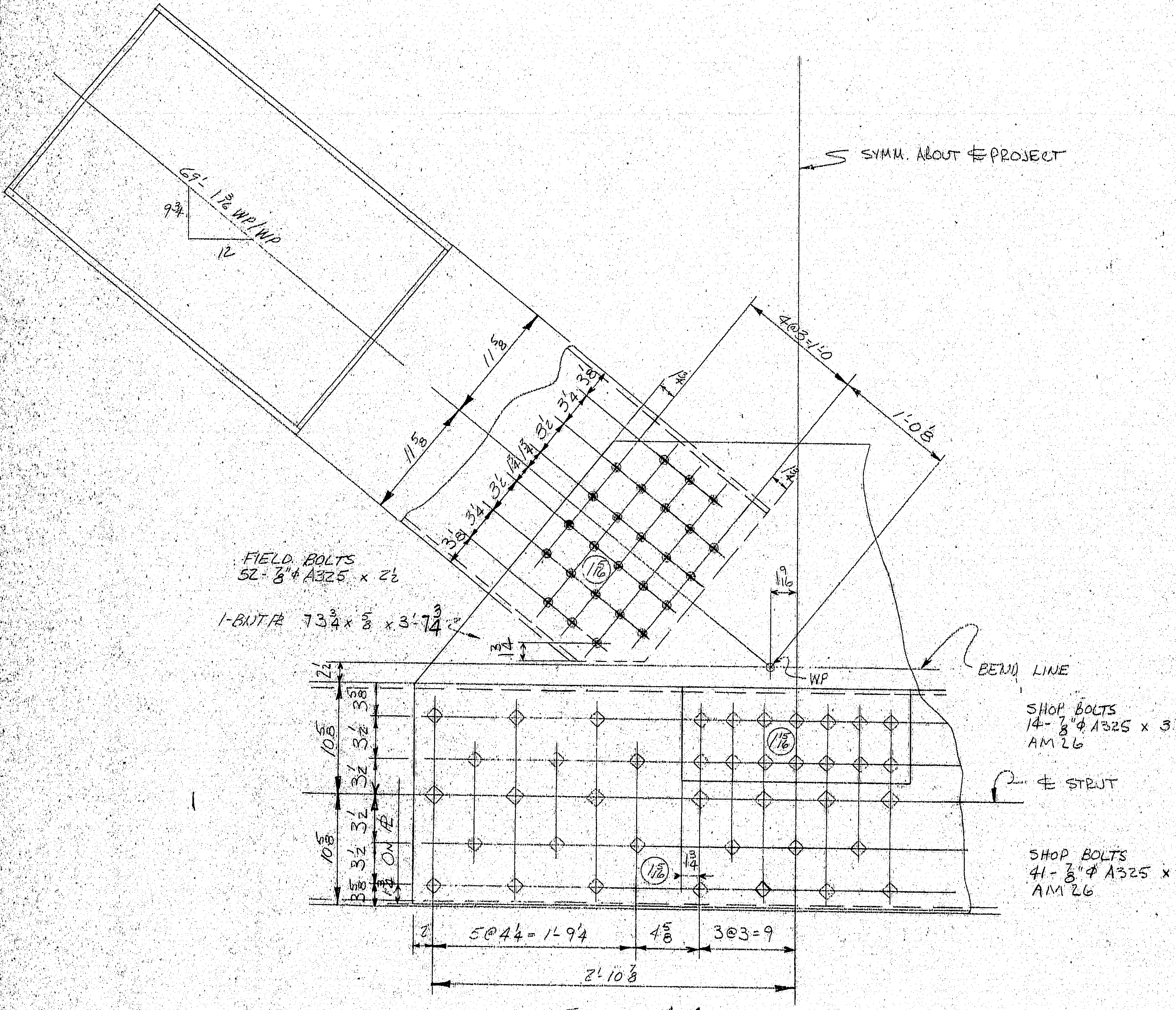
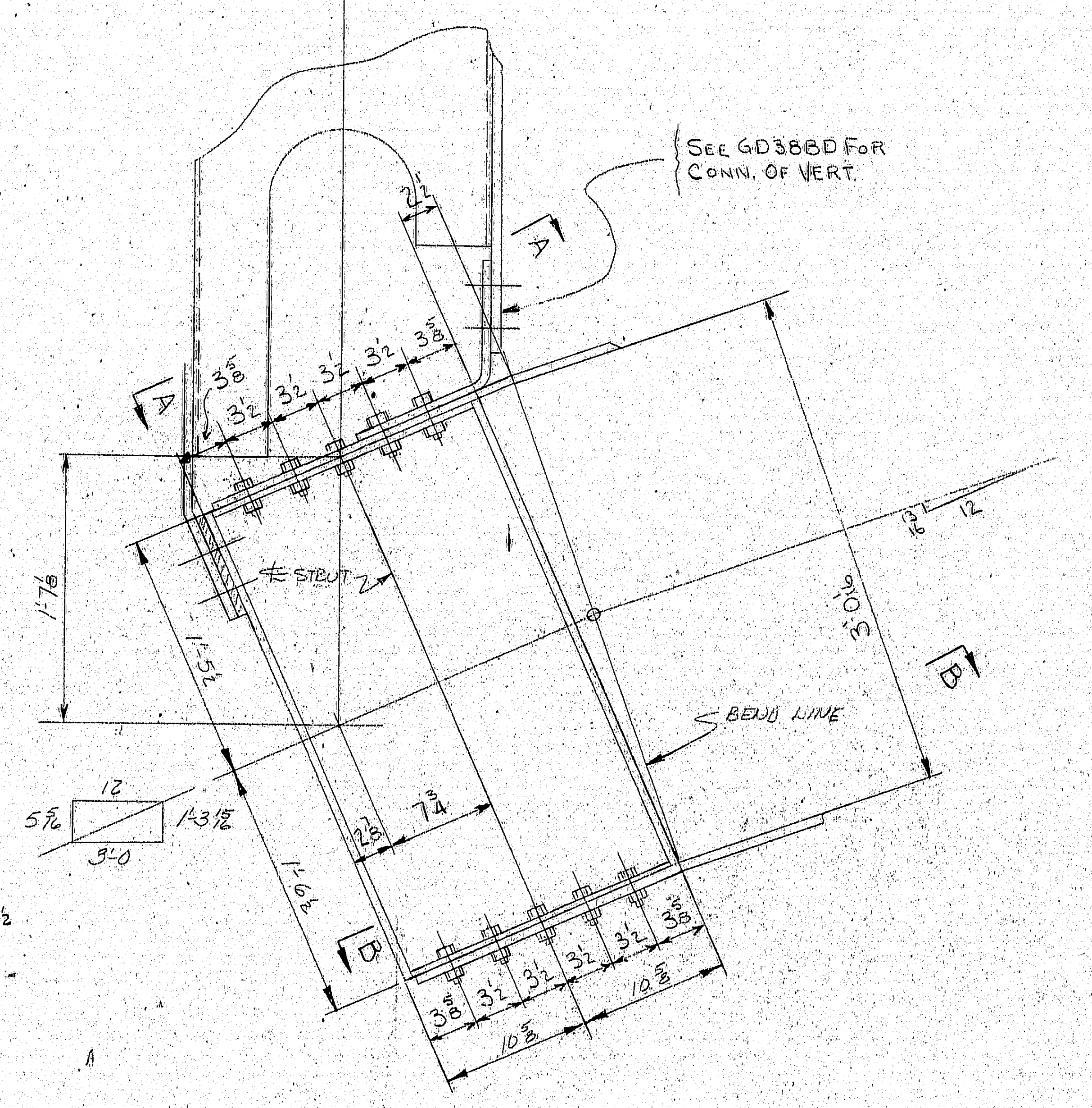
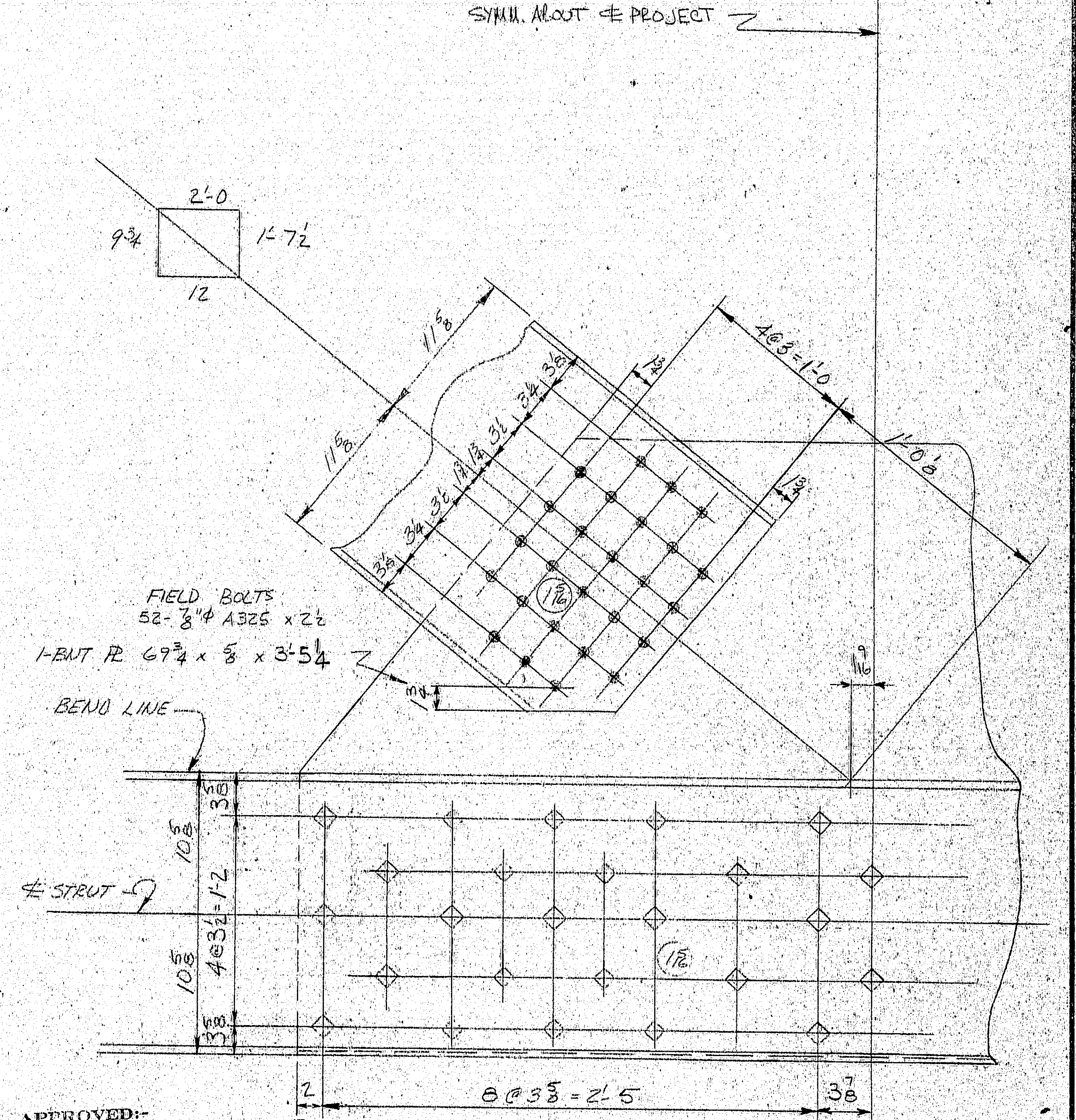


SECTION A-A

TOP VIEW AT Ⓒ





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BY F.F.W. MAR 12 1970

SHOP BOLTS
48-⅞"⌀ A325 × 2½
AM 26

SECTION B-B (BOTT. SEC. AT Ⓒ)

MIDDLE LATERAL BRACING OF SWAY FRAME @ PANEL POINT 11

For location of details shown on this sheet refer to diagrams.

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

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REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

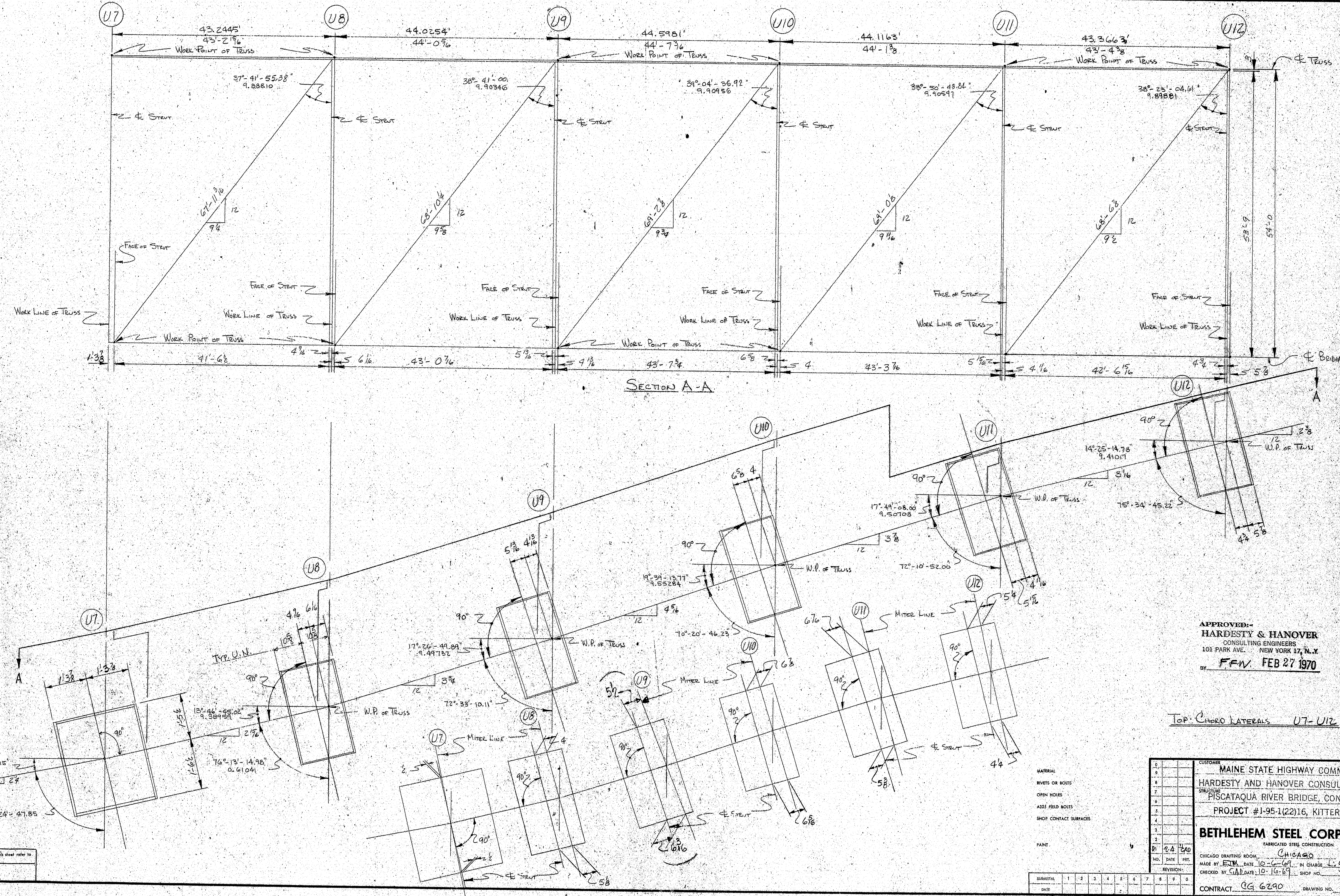
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY EJM DATE 11-10-69 IN CHARGE L. GOTHBERG
CHECKED BY CAD DATE 2-24-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD 38 DD

36663 (1-65)

133:132



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Top Chord Laterals U7-U12

For location of details shown on this sheet refer to diagrams.

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
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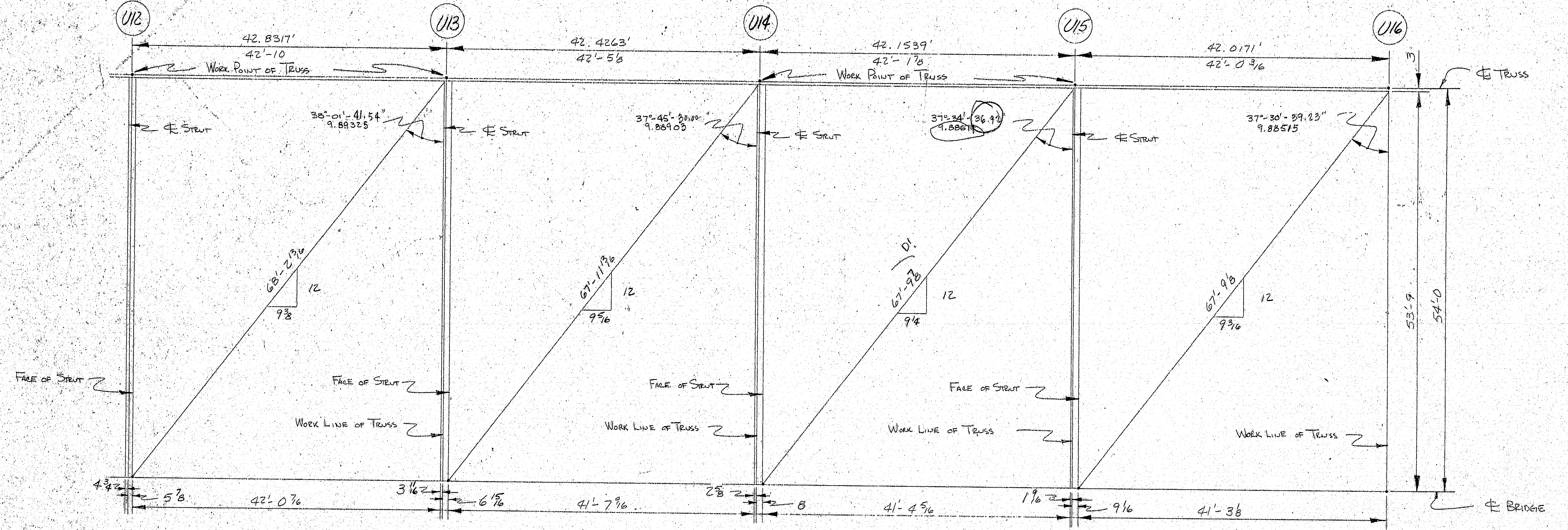
REVISION

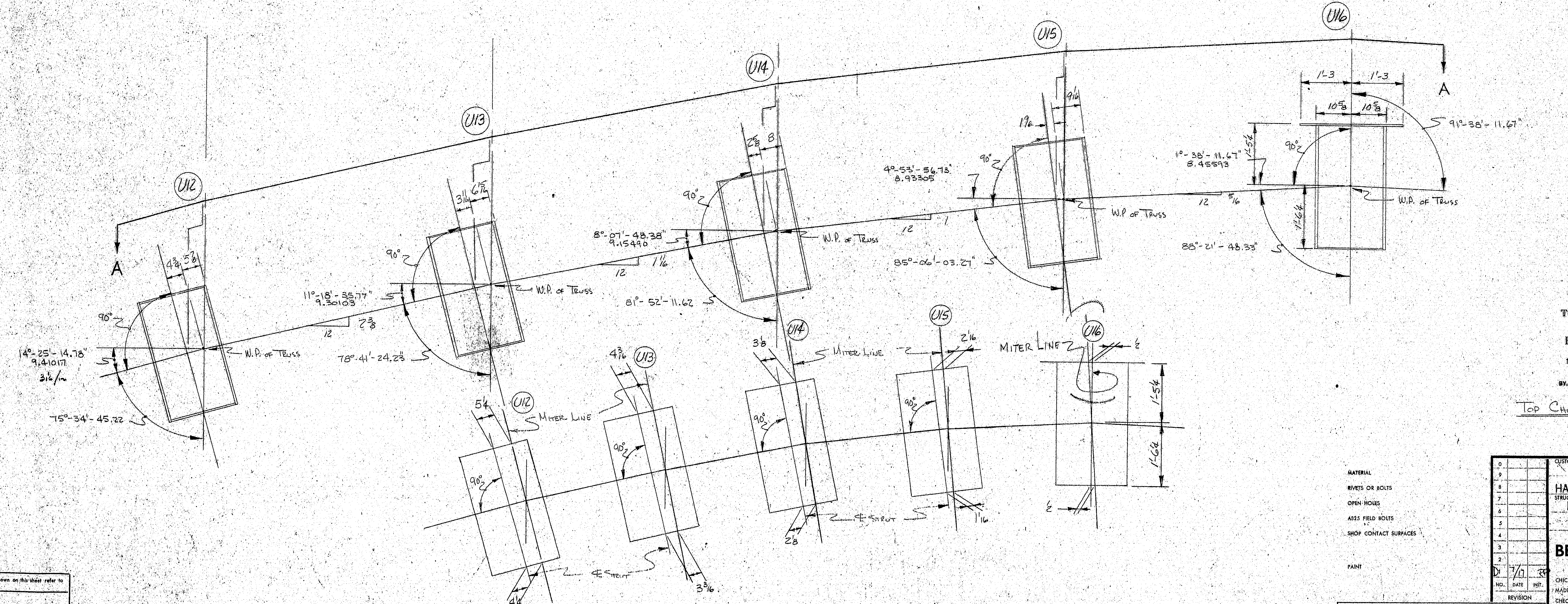
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM Chicago WORKS
MADE BY EJM DATE 10-6-69 IN CHARGE L. Gothberg
CHECKED BY GAD DATE 10-16-69 SHOP NO.
CONTRACT CG 6290 DRAWING NO. GD 39 AB

133:133



SECTION A-A



For location of details shown on this sheet refer to

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HARDESTY ... NOVER
CONSULT... ERS
101 PARK AVE. ... YORK 17, N.Y.
BY A.N. ... 2 4 1970
JUL 2 4 1970

Top Chord Laterals U12-U16

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
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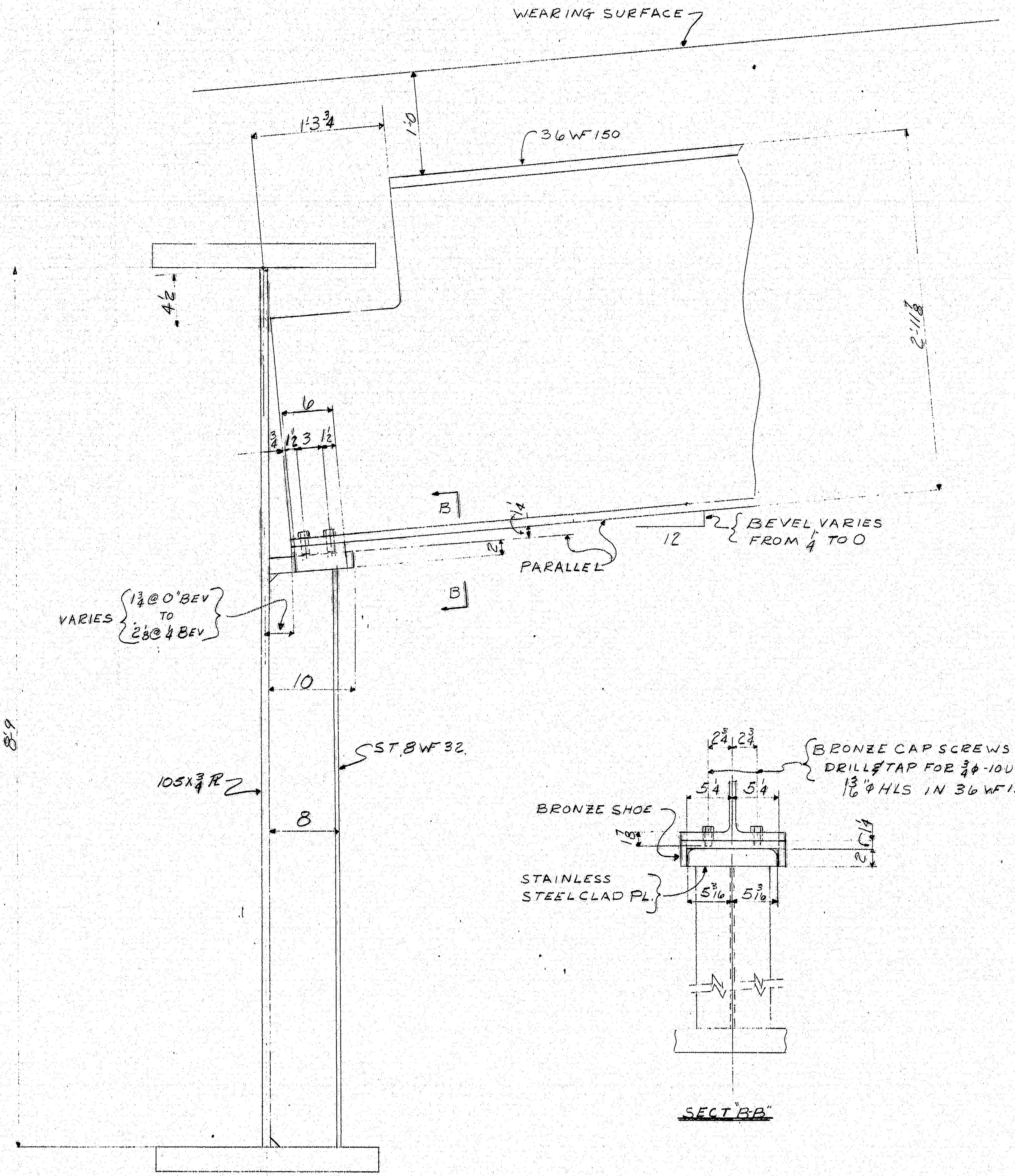
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM Chicago WORKS
MADE BY EJM DATE 10-6-69 IN CHARGE L. Gothberg
CHECKED BY C.A.D. DATE 10-16-69 SHOP NO.
CONTRACT CG 6290 DRAWING NO. G039BB

133:134



SECTION THRU FLOOR BEAM

SECT "B-B"

NOTE:
BEVEL EXAGGERATED
NOT TO TRUE SLOPE.

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BY SN NOV 14 1969

RE-ENTRANT CUTS TO
HAVE ¾" RADIUS, U.N.

For location of details shown on this sheet refer to diagrams.

STRINGER EXPANSION CONNECTION

MATERIAL
RIVETS OR BOLTS
OPEN HOLES 13/16" φ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

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REVISION

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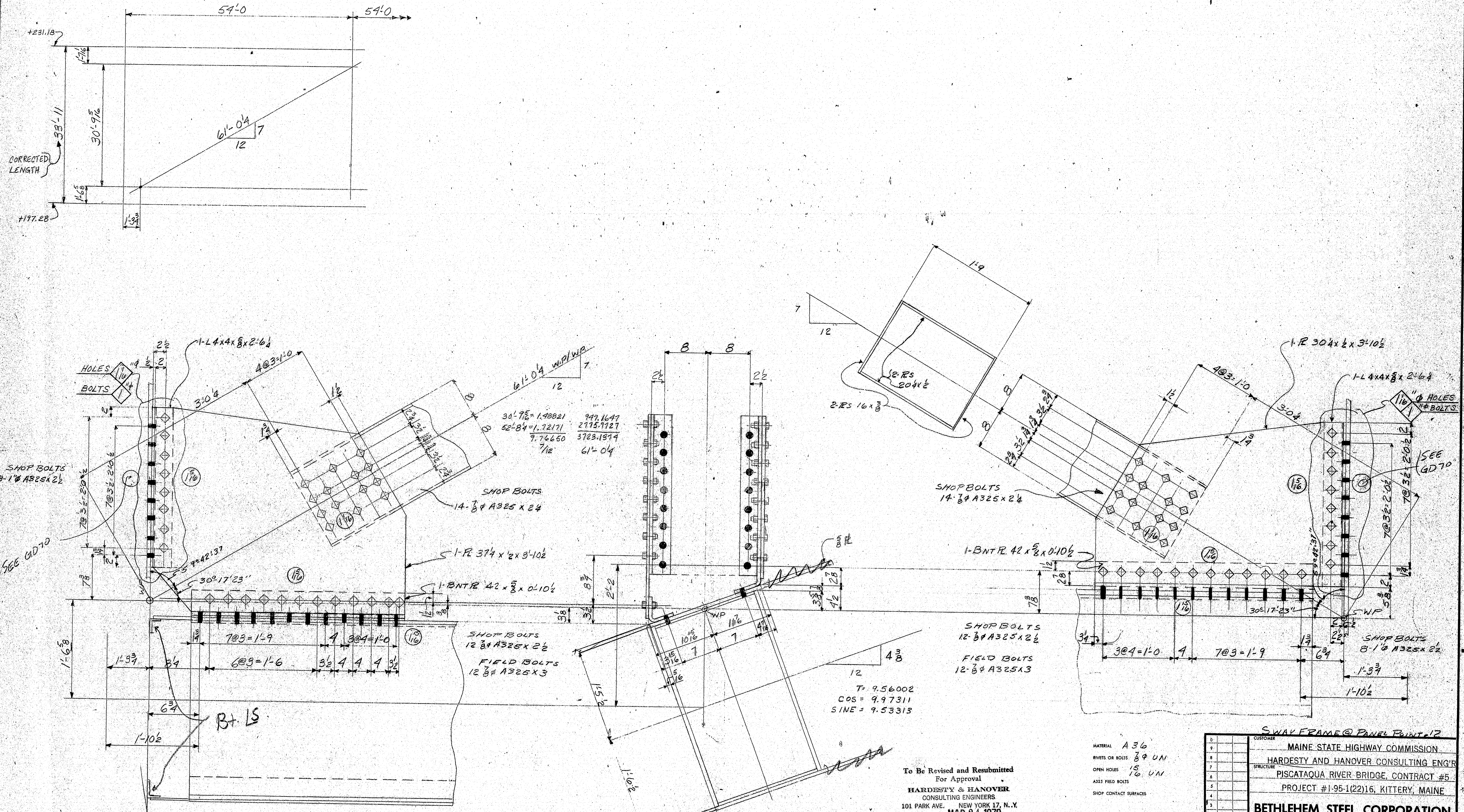
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RCG DATE 10-3-69 IN CHARGE LAG
CHECKED BY PS DATE 10-29-69 SHOP NO.
CONTRACT CG-6290-000 DRAWING NO. GD40

36663 (1-65)

133:135



SWAY FRAME @ PANEL POINT 12

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For Approval
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CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY F.F.W. MAR 24 1970

MATERIAL A36
RIVETS OR BOLTS ⅞⌀ UN
OPEN HOLES 15/16 UN
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

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REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
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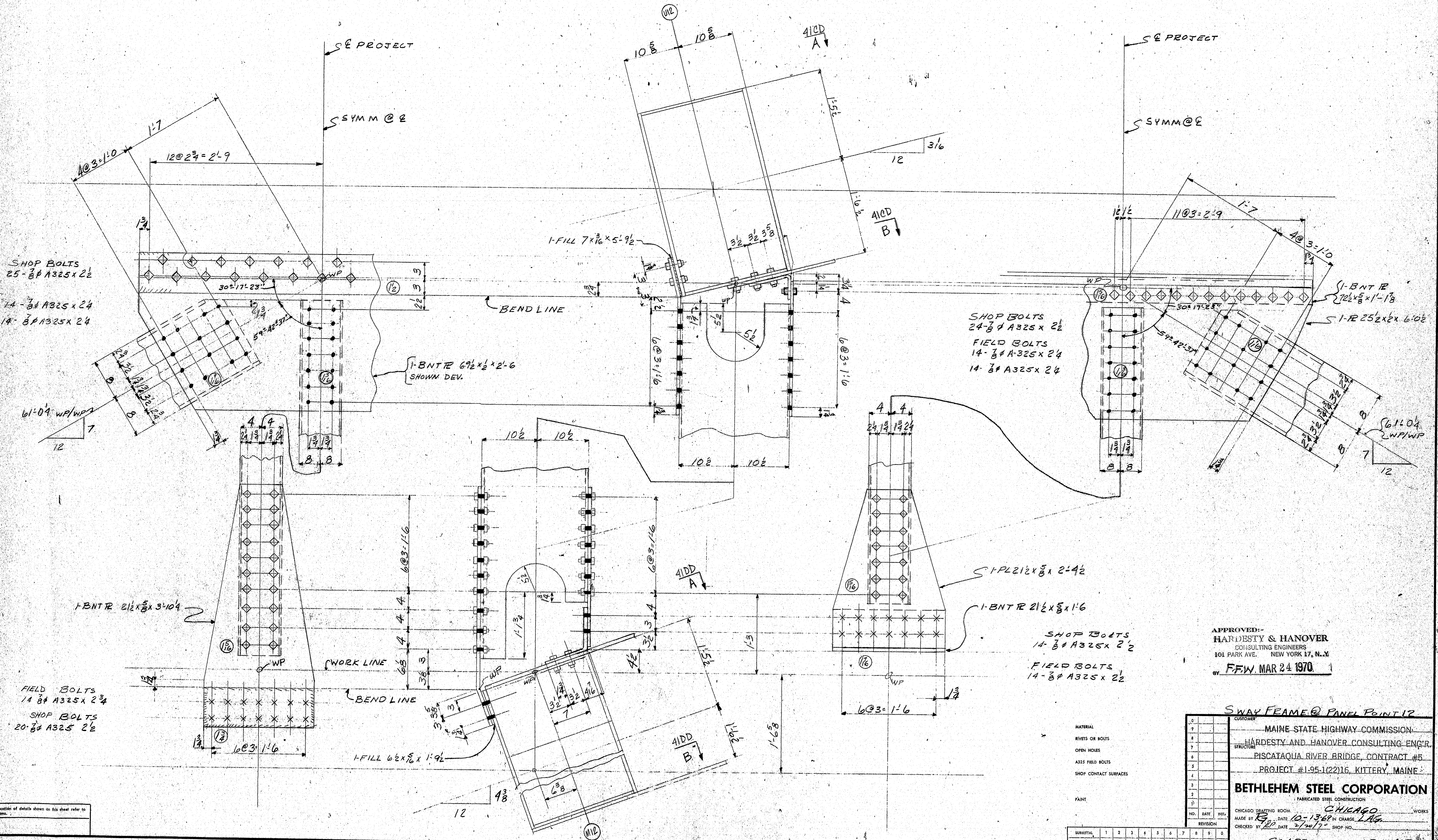
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RG DATE 10-9-69 IN CHARGE LAG
CHECKED BY RP DATE 2-20/70 SHOP NO.
CONTRACT CG 6290 DRAWING NO. G-D41 AD

For location of details shown on this sheet refer to diagrams.

133:136

36663 (1-65)



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CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY F.F.W. MAR 24 1970

SWAY FRAME @ PANEL POINT 12

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
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REVISION

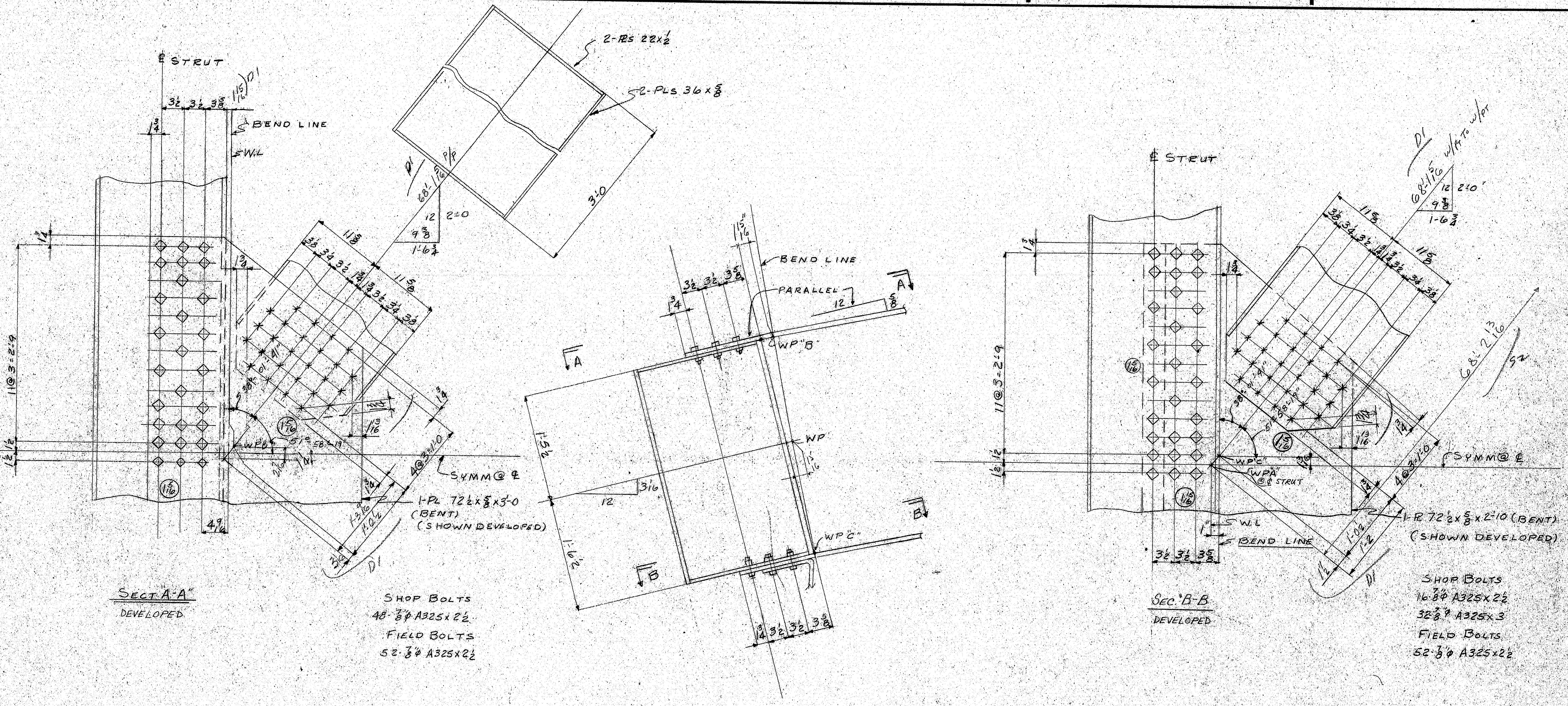
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RG DATE 10-13-69 IN CHARGE L.A.G.
CHECKED BY RP DATE 2/20/70 SHOP NO.
CONTRACT CG 6290 DRAWING NO. G-D41BD

133:137

36663 (1-65)



For location of details shown on this sheet refer to diagrams:

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NEW YORK, N.Y.
BY A.N. JUN 5 1970

TOP LATERAL BRACING @ U12

MATERIAL A36
RIVETS OR BOLTS ⅞
OPEN HOLES 15/16 ϕ
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

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REVISION

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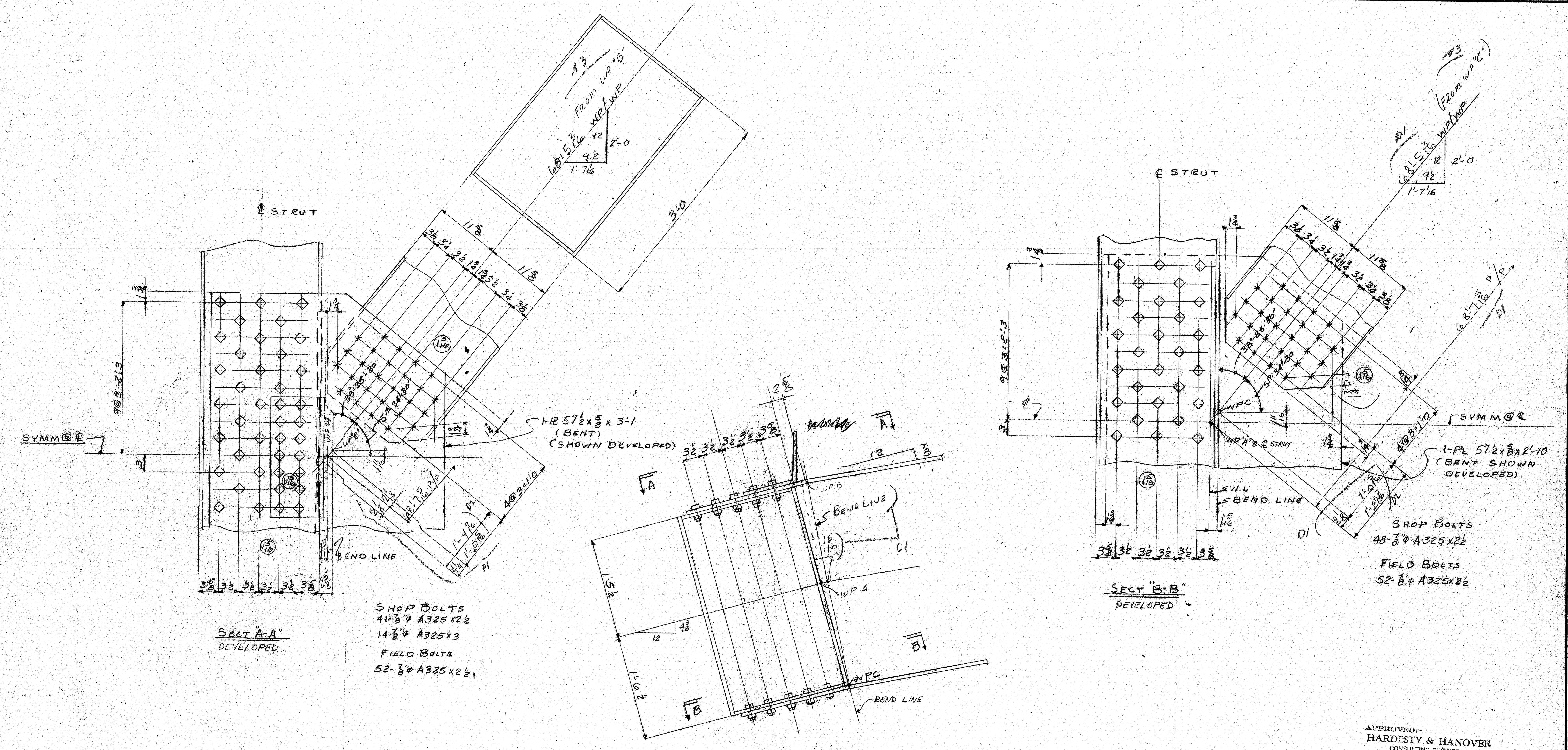
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RG DATE 10-14-69 IN CHARGE LAG
CHECKED BY RP DATE 2/20/70 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD 41CD

133:138



SECT "A-A"
DEVELOPED

SHOP BOLTS
41-7/8"⌀ A325 x 2 1/2
14-7/8"⌀ A325 x 3
FIELD BOLTS
52-7/8"⌀ A325 x 2 1/2

SECT "B-B"
DEVELOPED

SHOP BOLTS
48-7/8"⌀ A-325 x 2 1/2
FIELD BOLTS
52-7/8"⌀ A325 x 2 1/2

For location of details shown on this sheet refer to diagrams.

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BY F.F.W. JUN 30 1970

LATERAL BRACING @ M12

MATERIAL A36
RIVETS OR BOLTS 7/8
OPEN HOLES 15/16
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

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D2	6/8	RP
D1	5/19	RP

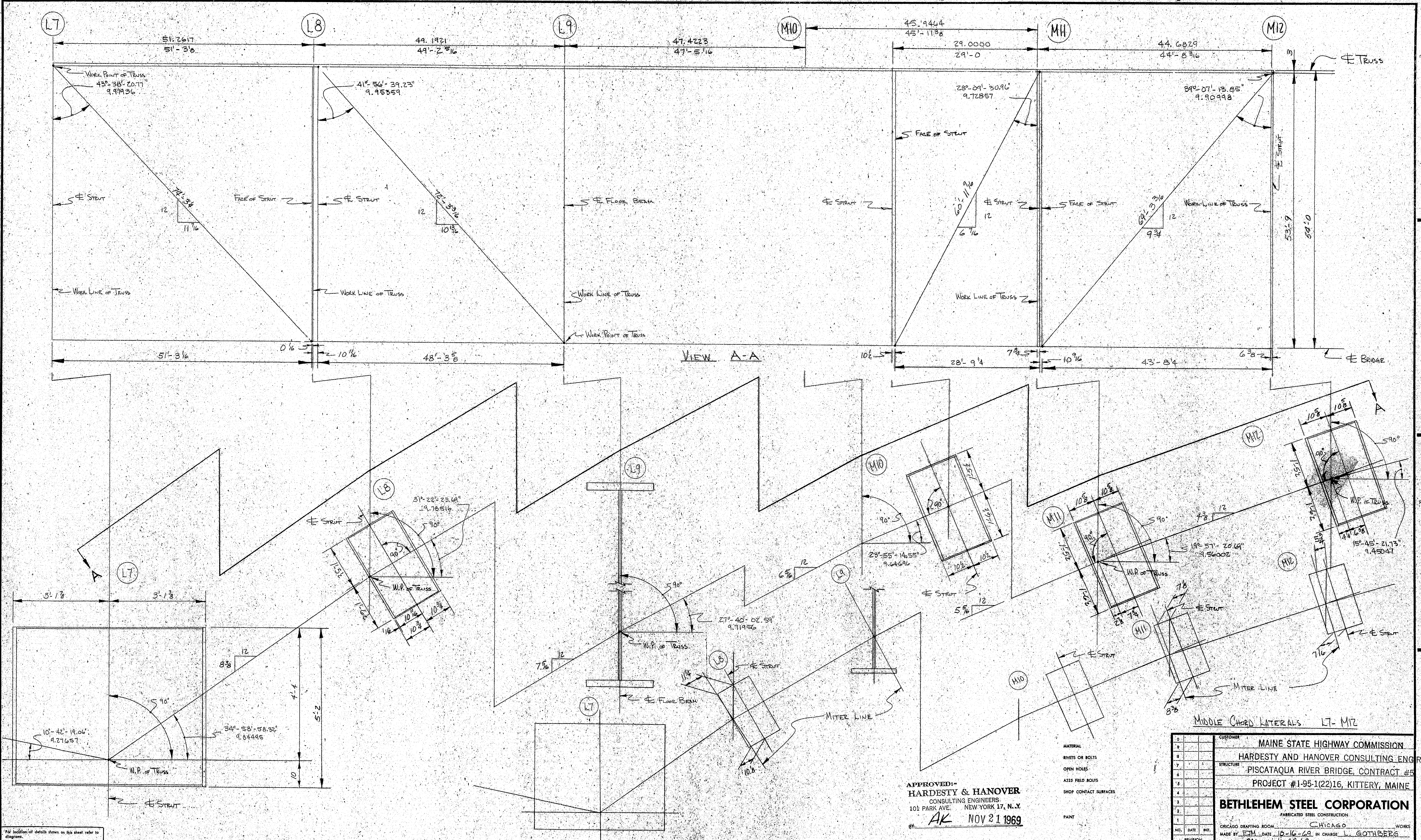
REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RG DATE 10-15-69 IN CHARGE LAG
CHECKED BY RP DATE 2-20-70 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD 41 DD

133:139



For location of details shown on this sheet refer to diagrams.

MIDDLE CHORD LATERALS L7- M12

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BY AK NOV 21 1969

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

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REVISION

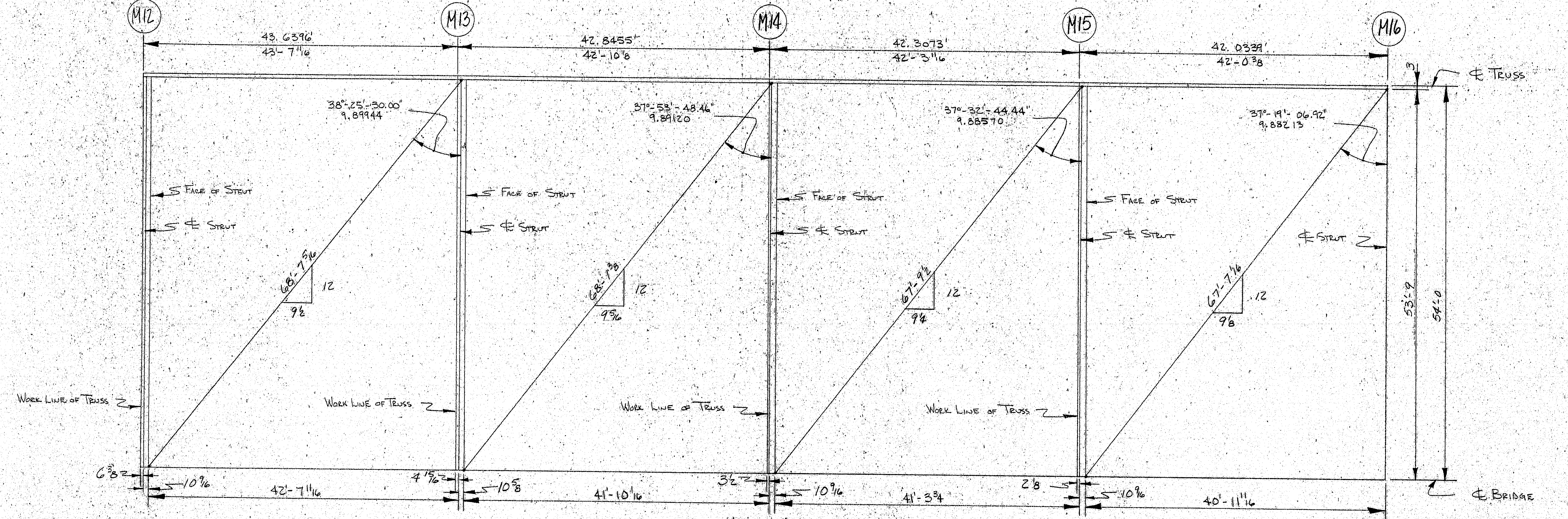
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENGR.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

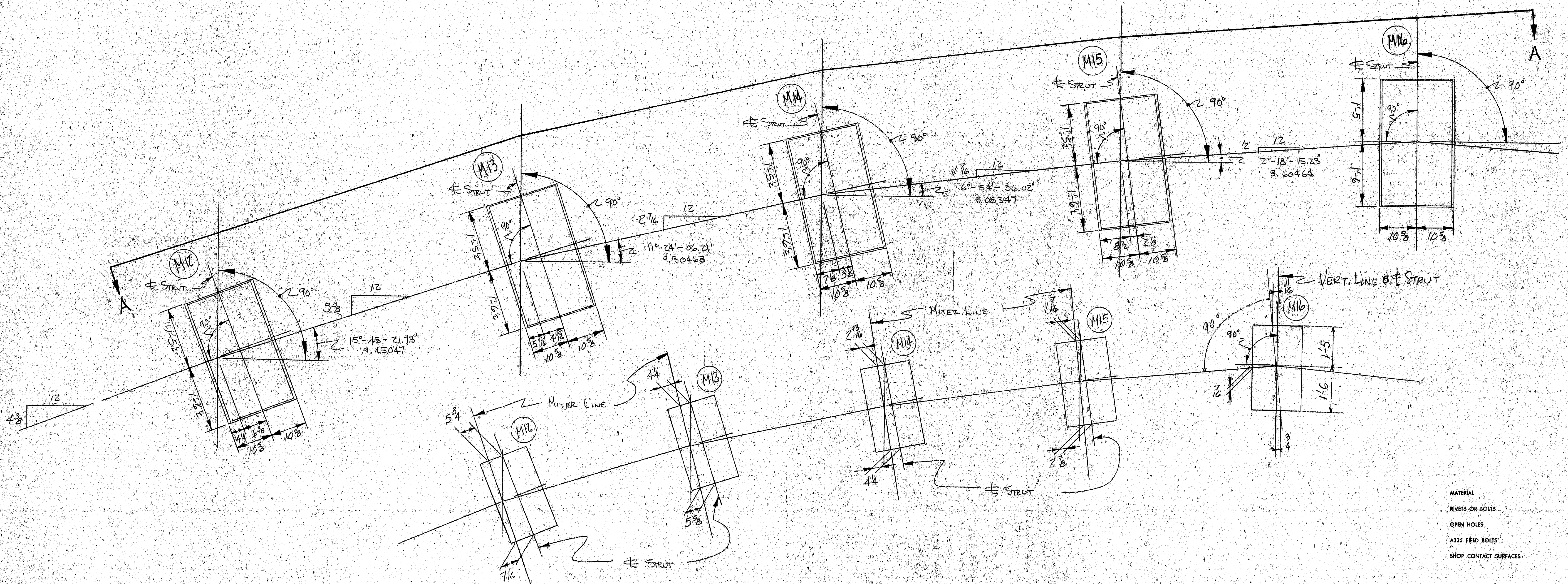
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY EJM DATE 10-16-69 IN CHARGE L. GOTHBERG
CHECKED BY CAD DATE 10-22-69 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD 42 AB

36663 (1-65)

133:140



VIEW A-A



For location of details shown on this sheet refer to diagrams.

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CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY AK NOV 21 1969

MIDDLE CHORD LATERALS M12-M16

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

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REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
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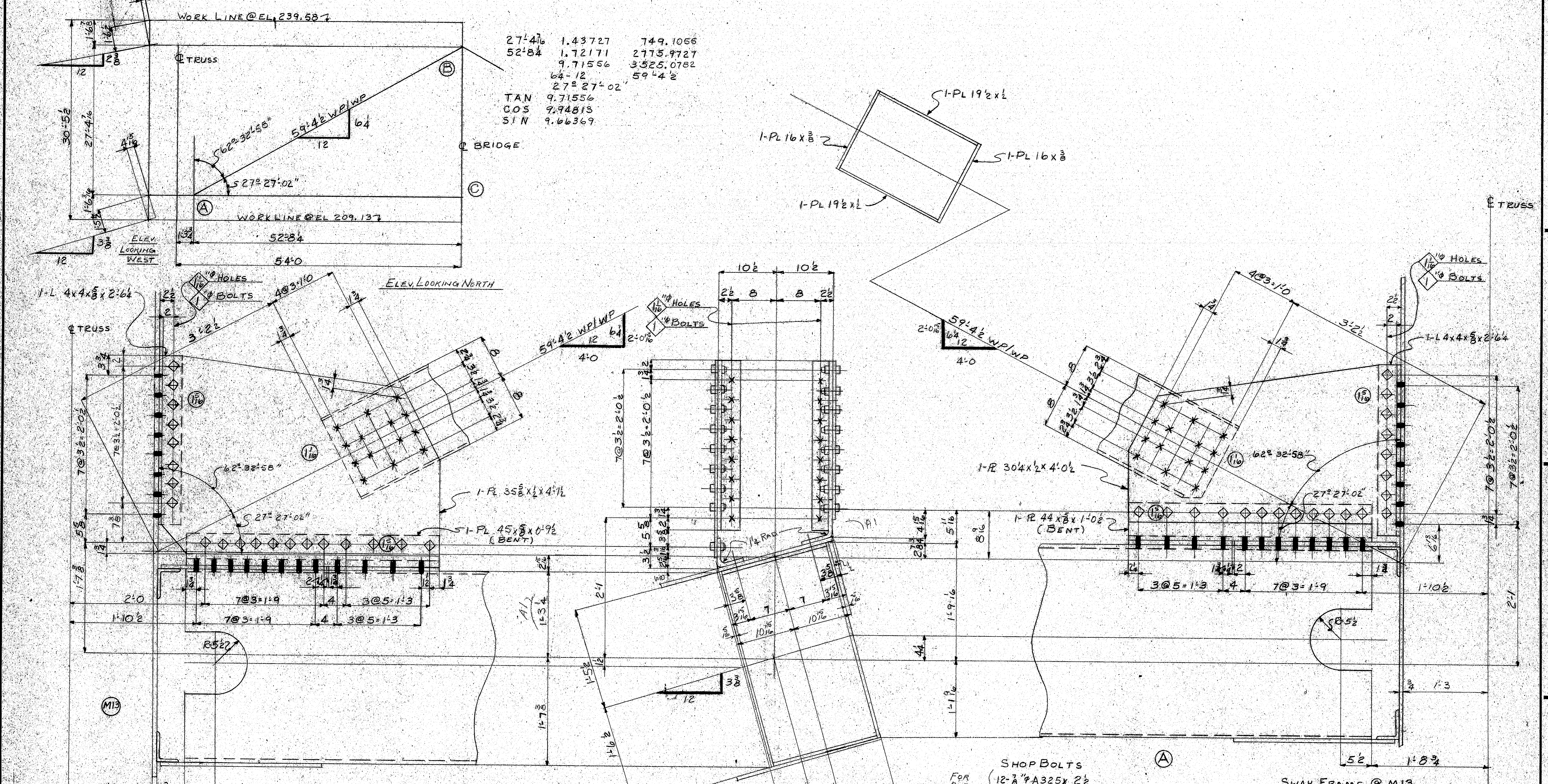
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY EJM DATE 10-21-69 IN CHARGE L. GOTHBERG
CHECKED BY CAD DATE 10-22-69 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD 42BB

36663 (1-65)

133:141



SWAY FRAME @ M13

SHOP BOLTS
12-⅞"⌀ A325 x 2½ } FOR ONE AM 26
8-1"⌀ A325 x 2½

FIELD BOLTS
14-⅞"⌀ A325 x 2¼ } FOR ONE

FOR ONE AM26 { SHOP BOLTS
12-⅞"⌀ A325 x 2½
8-1"⌀ A325 x 2½

FOR ONE { FIELD BOLTS
14-⅞"⌀ A325 x 2¼

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BY F.F.M. APR 15 1970

MATERIAL A36
RIVETS OR BOLTS ⅞"⌀ UN
OPEN HOLES 15/16"⌀ UN
A325 FIELD BOLTS ⅞"⌀ UN
SHOP CONTACT SURFACES
PAINT

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REVISION

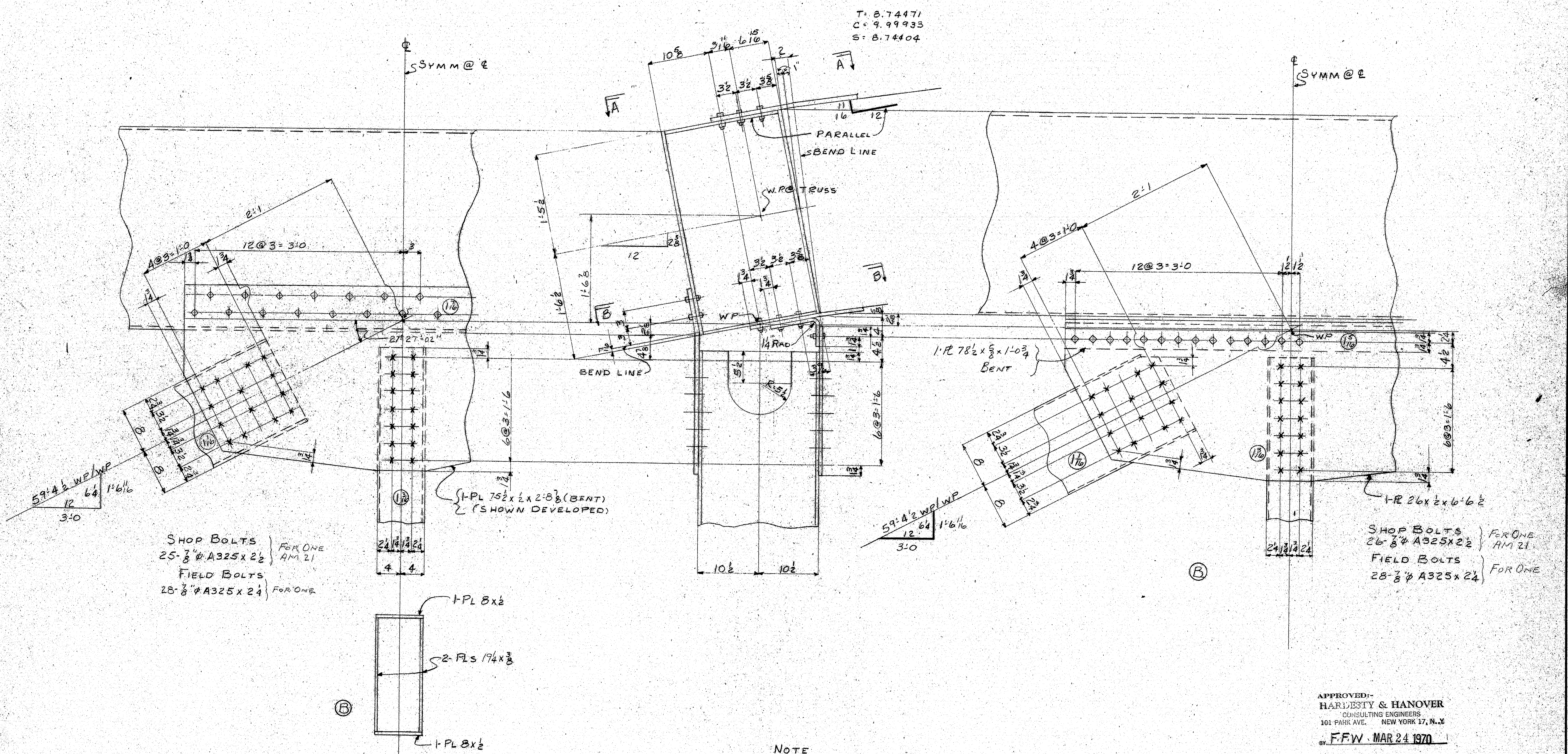
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RG DATE 2-20-70 IN CHARGE LAG
CHECKED BY ET DATE 3-4-70 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD43AD

For location of details shown on this sheet refer to diagrams.

133:142



NOTE
SEE GD43DD FOR SECT'S "A-A" & "B-B"

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CONSULTING ENGINEERS
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BY F.F.W MAR 24 1970

SWAY FRAME @ PANEL POINT ⑬

MATERIAL A36
RIVETS OR BOLTS ⅞"φ
OPEN HOLES 15/16"φ
A325 FIELD BOLTS ⅞"φ
SHOP CONTACT SURFACES
PAINT

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REVISION

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DATE										

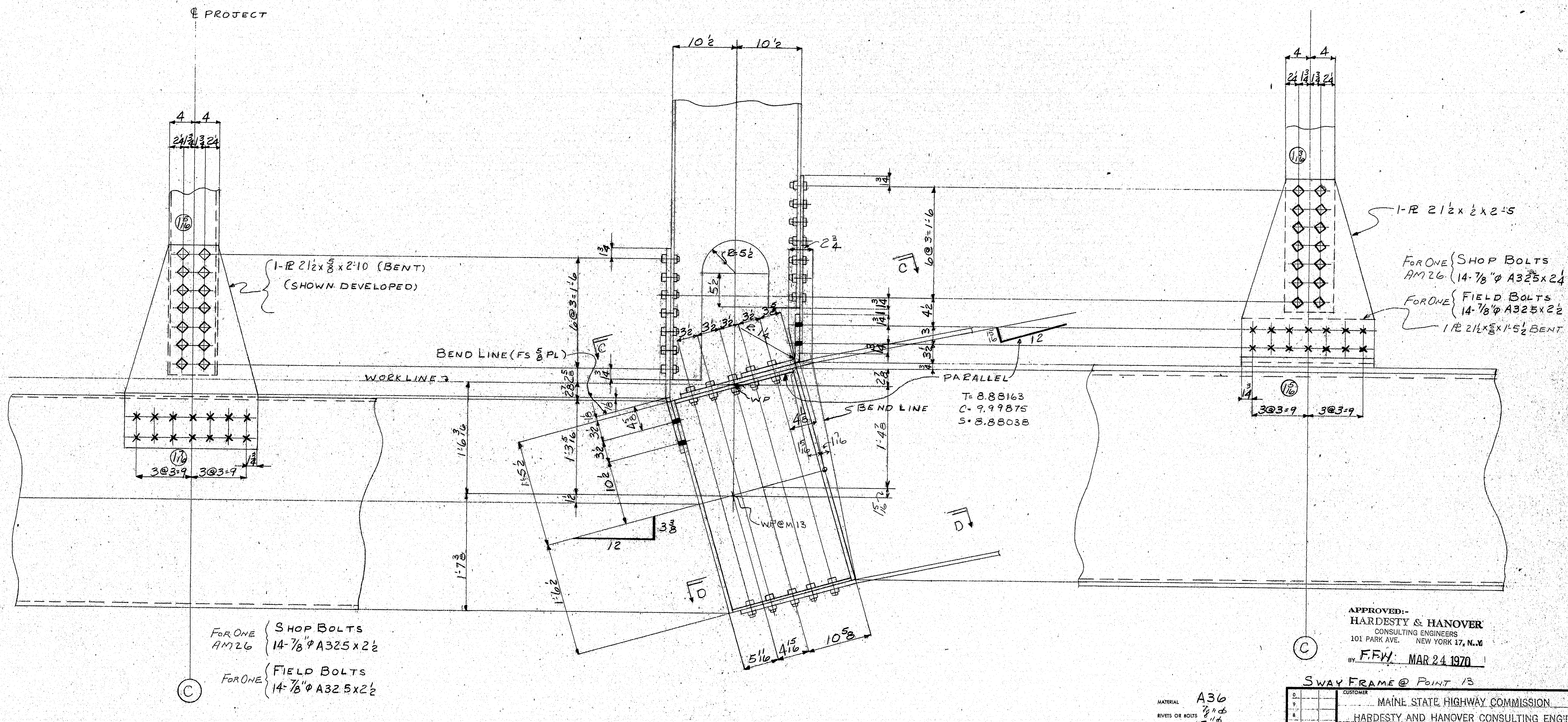
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY EJ DATE 2-18-70 IN CHARGE LAG
CHECKED BY ET DATE 3-4-70 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD43BD

133:143

For location of details shown on this sheet refer to diagrams.

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
touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



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BY F.F.W. MAR 24 1970

SWAY FRAME @ POINT 13

NOTE:
SEE GD 43DD FOR SECT'S C-C & DD

MATERIAL A36
RIVETS OR BOLTS ⅞"φ
OPEN HOLES 15/16"φ
A325 FIELD BOLTS ⅞"φ
SHOP CONTACT SURFACES
PAINT

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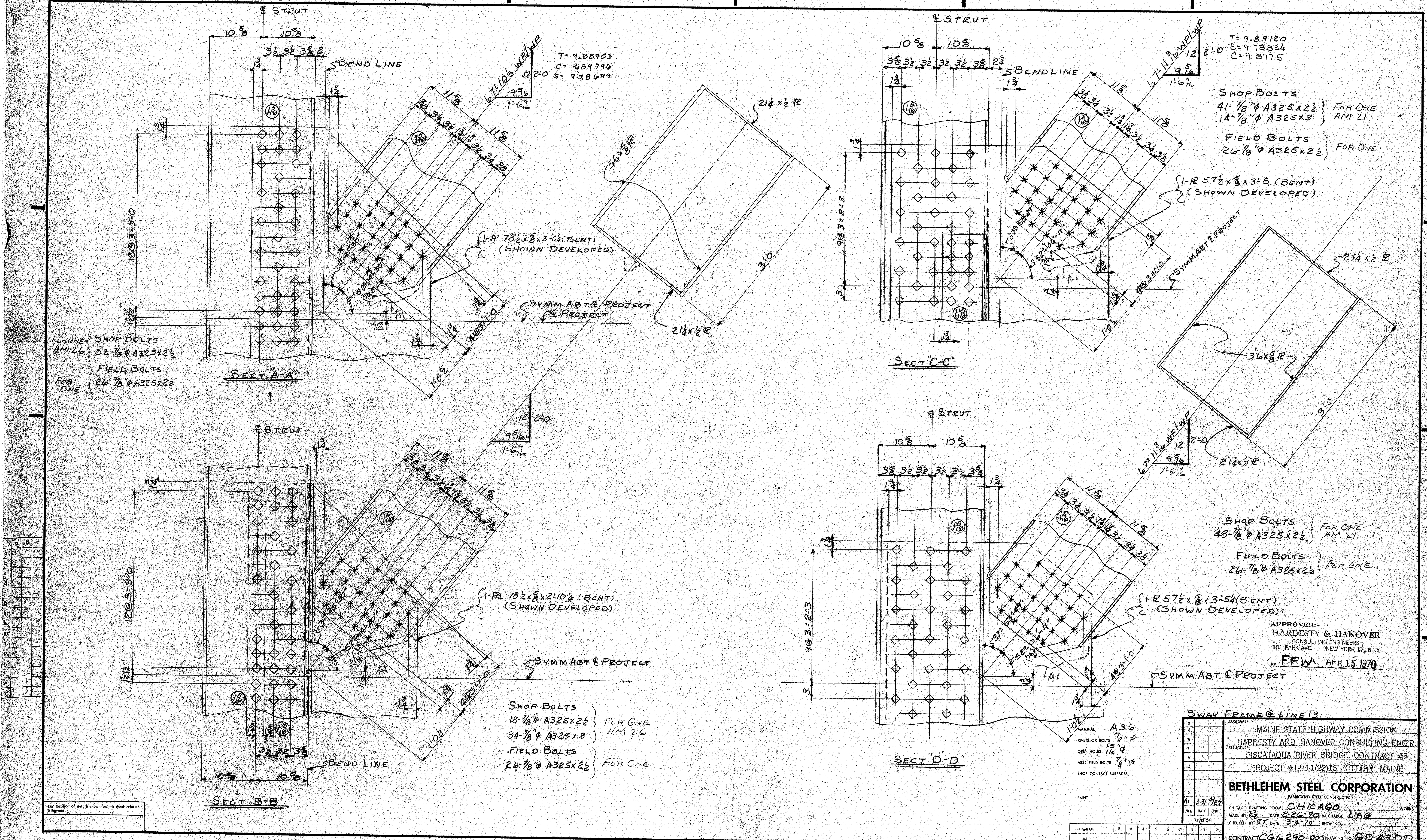
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY R. DATE 2-25-70 IN CHARGE LAG
CHECKED BY ET DATE 3-4-70 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD 43CD

133:144

For location of details shown on this sheet refer to diagrams.
1



SHOP BOLTS
52 7/8"φ A325 x 2 1/2 } FOR ONE AM 26
FIELD BOLTS
26-7/8"φ A325 x 2 1/2 } FOR ONE

SHOP BOLTS
18-7/8"φ A325 x 2 1/2
34-7/8"φ A325 x 3 } FOR ONE AM 26
FIELD BOLTS
26-7/8"φ A325 x 2 1/2 } FOR ONE

SHOP BOLTS
41-7/8"φ A325 x 2 1/2
14-7/8"φ A325 x 3 } FOR ONE AM 21
FIELD BOLTS
26-7/8"φ A325 x 2 1/2 } FOR ONE

SHOP BOLTS
48-7/8"φ A325 x 2 1/2 } FOR ONE AM 21
FIELD BOLTS
26-7/8"φ A325 x 2 1/2 } FOR ONE

For location of details shown on this sheet refer to diagrams.

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BY F.F.W. APR 15 1970

MATERIAL A36
RIVETS OR BOLTS 7/8"φ
OPEN HOLES 15/16"φ
A325 FIELD BOLTS 7/8"φ
SHOP CONTACT SURFACES
PAINT

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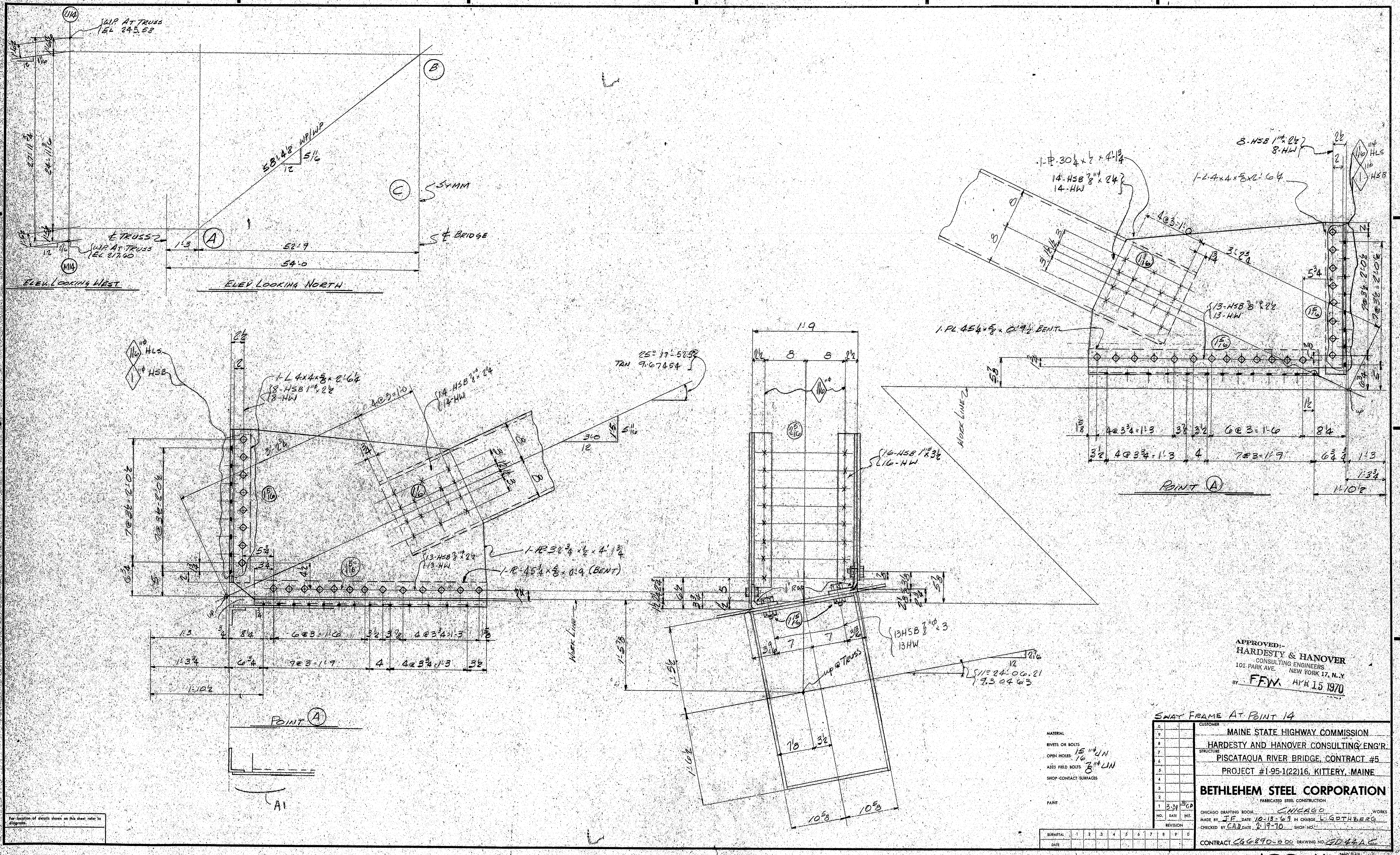
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RJ DATE 2-26-70 IN CHARGE LAG
CHECKED BY ET DATE 3-4-70 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD 43DD

133:145



SWAY FRAME AT POINT 14

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BY FFW. APR 15 1970

MATERIAL
RIVETS OR BOLTS
OPEN HOLES 15/16"⌀ UN
A325 FIELD BOLTS ⅞"⌀ UN
SHOP CONTACT SURFACES
PAINT

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REVISION

SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

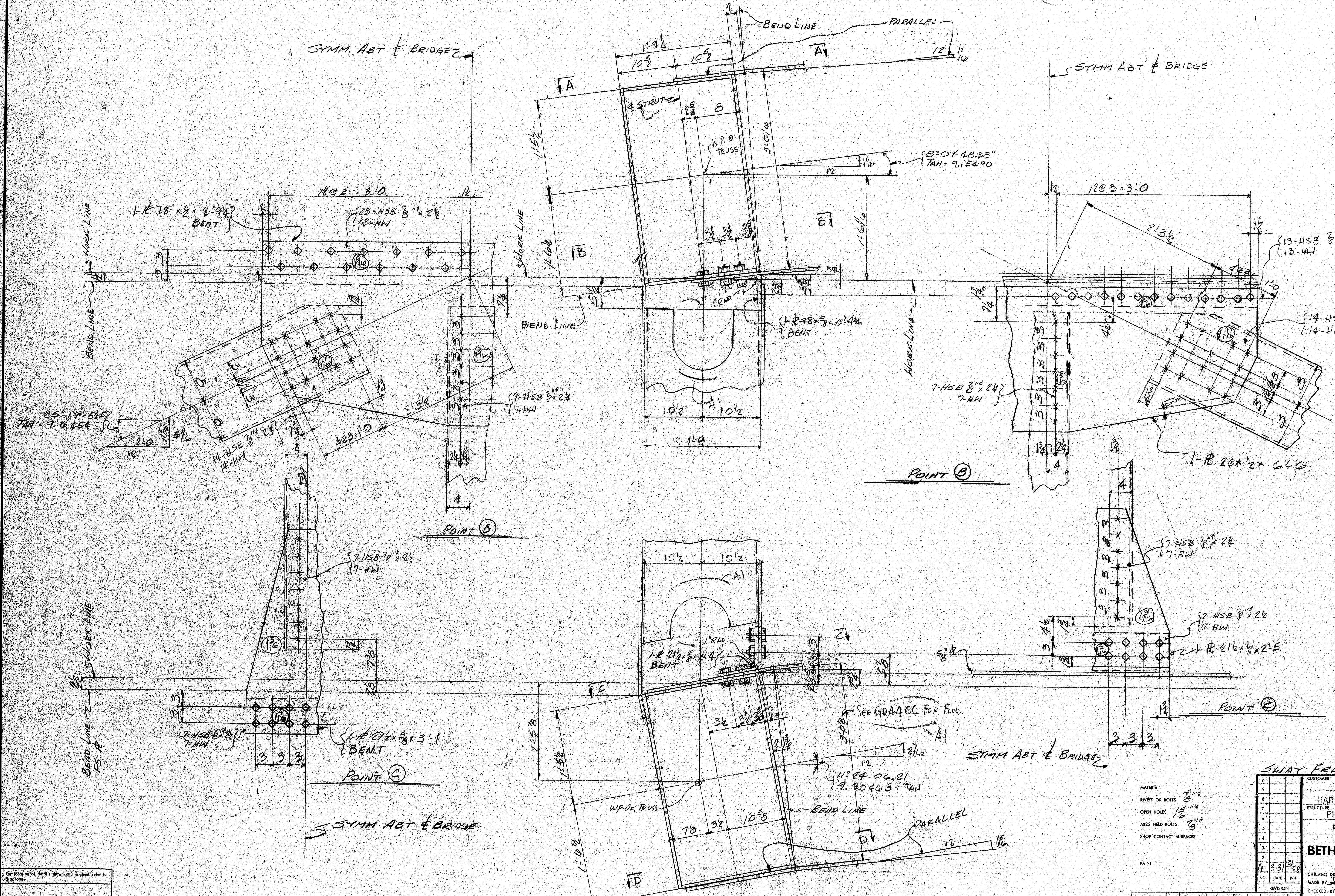
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JF DATE 10-15-69 IN CHARGE L. GOTHBERG
CHECKED BY CAD DATE 2-19-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD44AC

36663 (1-63)

133:146

For location of details shown on this sheet refer to diagrams.



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BY F.F.W. APR 15 1970

SWAY FRAME AT POINT 14

MATERIAL
RIVETS OR BOLTS ⅞"⌀
OPEN HOLES 15/16"⌀
A325 FIELD BOLTS ⅞"⌀
SHOP CONTACT SURFACES
PAINT

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DATE										

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

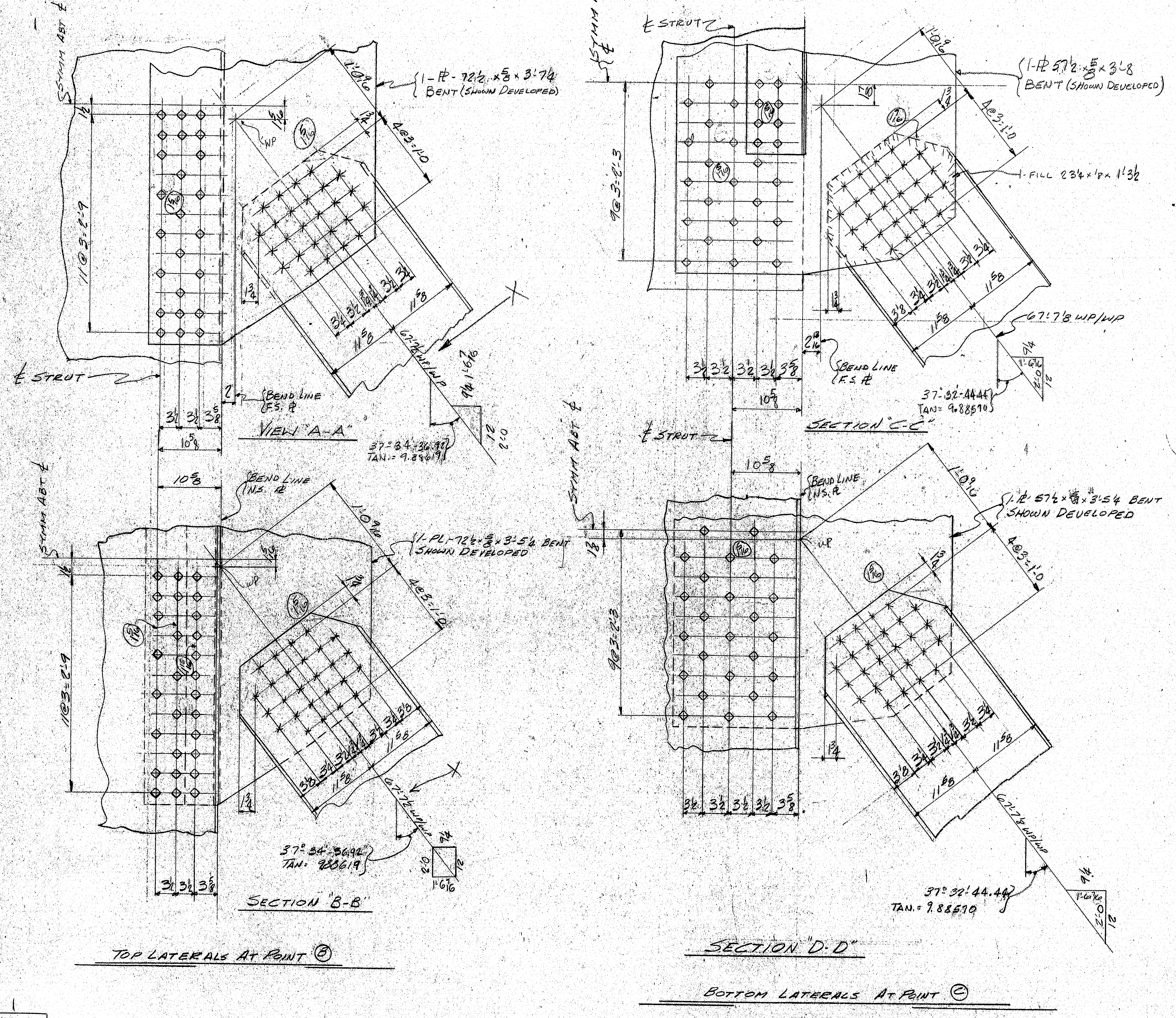
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JF DATE 10-14-69 IN CHARGE L. GOTHBERG
CHECKED BY C.A.D. DATE 2-19-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD44BC

133:147

34663 (1-65)

For location of details shown on this sheet refer to diagrams


Symm Abt ℄
℄ Strut
1-PL-72½ x ⅝ x 3'-7¼ Bent (Shown Developed)
11@3=2'-9
4@3=1'-0
3½ 3½ 3⅝
10⅝
Bend Line F.S. PL
View "A-A"
37°-34'-36.92" TAN = .88619
67'-7⅛ WP/WP
Bend Line Ins. PL
1-PL-72½ x ⅝ x 3'-5¼ Bent Shown Developed
Section "B-B"
Top Laterals At Point ⑧
1-PL 57½ x ⅝ x 3'-8 Bent (Shown Developed)
9@3=2'-3
Fill 23¼ x ⅛ x 1'-3½
Bend Line F.S. PL
37°-32'-44.44" TAN = .88590
Section "C-C"
1-PL 57½ x ⅝ x 3'-5¼ Bent Shown Developed
Section "D-D"
Bottom Laterals At Point ©

SHOP BOLTS

AM26 { 19 - ⅞"ø HSB x 3
84½ - ⅞"ø HSB x 2½

FIELD BOLTS

104 - ⅞"ø HSB x 2½

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101 PARK AVE. NEW YORK 17, N.Y.
BY F.F.W. MAR 24 1970

SWAY FRAME AT POINT 14

MATERIAL
RIVETS OR BOLTS ⅞"ø
OPEN HOLES 15/16"ø
A325 FIELD BOLTS ⅞"ø
SHOP CONTACT SURFACES
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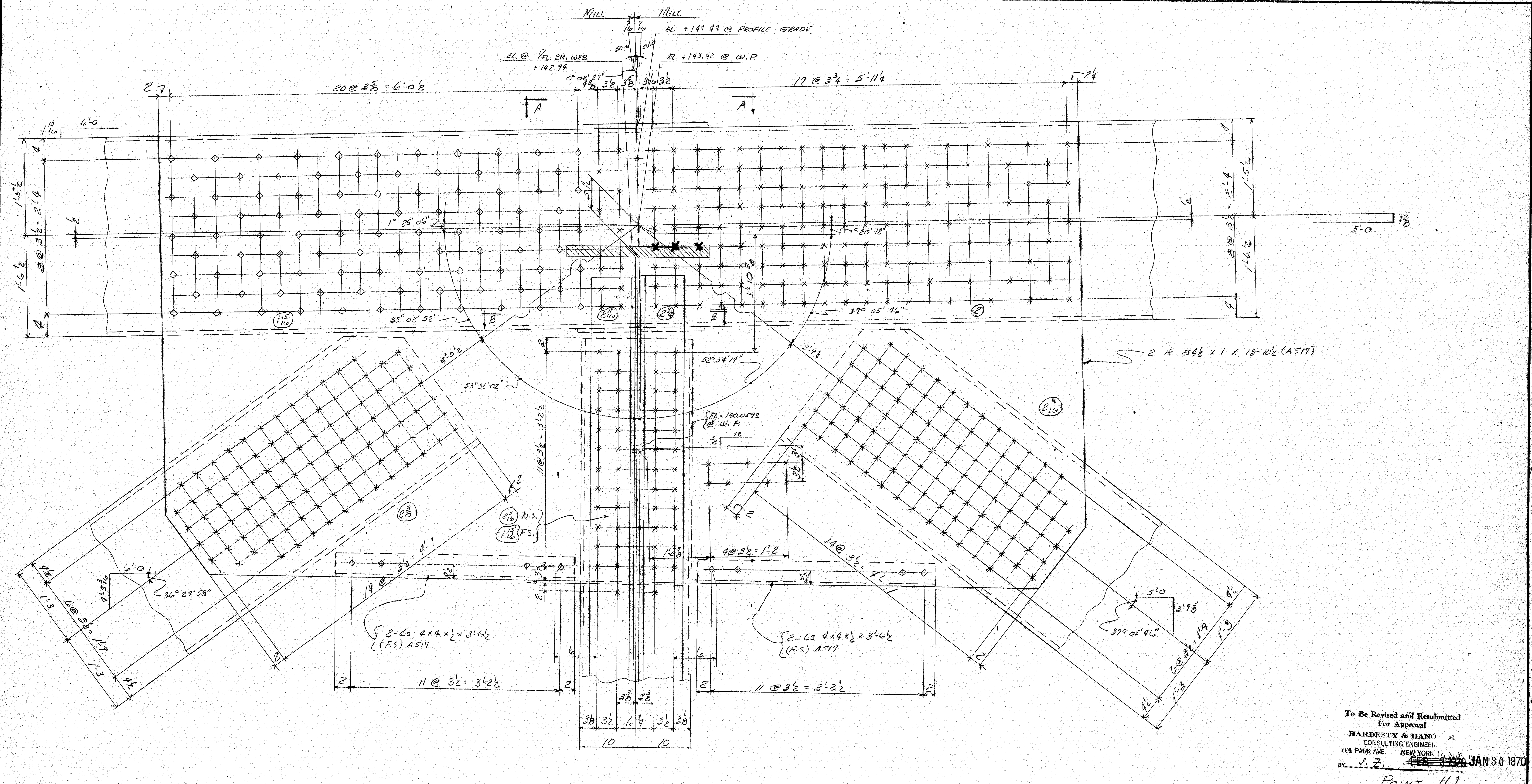
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY J.F. DATE 10-15-69 IN CHARGE L. GOTHBERG
CHECKED BY CAD DATE 2-20-70 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD 44CC

For location of details shown on this sheet refer to diagrams.

36663 (1-65)

133:148



For location of details shown on this sheet refer to diagrams.

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

To Be Revised and Resubmitted
For Approval
HARDESTY & HANO R
CONSULTING ENGINEER
101 PARK AVE. NEW YORK 17, N. Y.
BY J. Z. ~~FEB 2 1970~~ JAN 30 1970

POINT U1

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REVISION

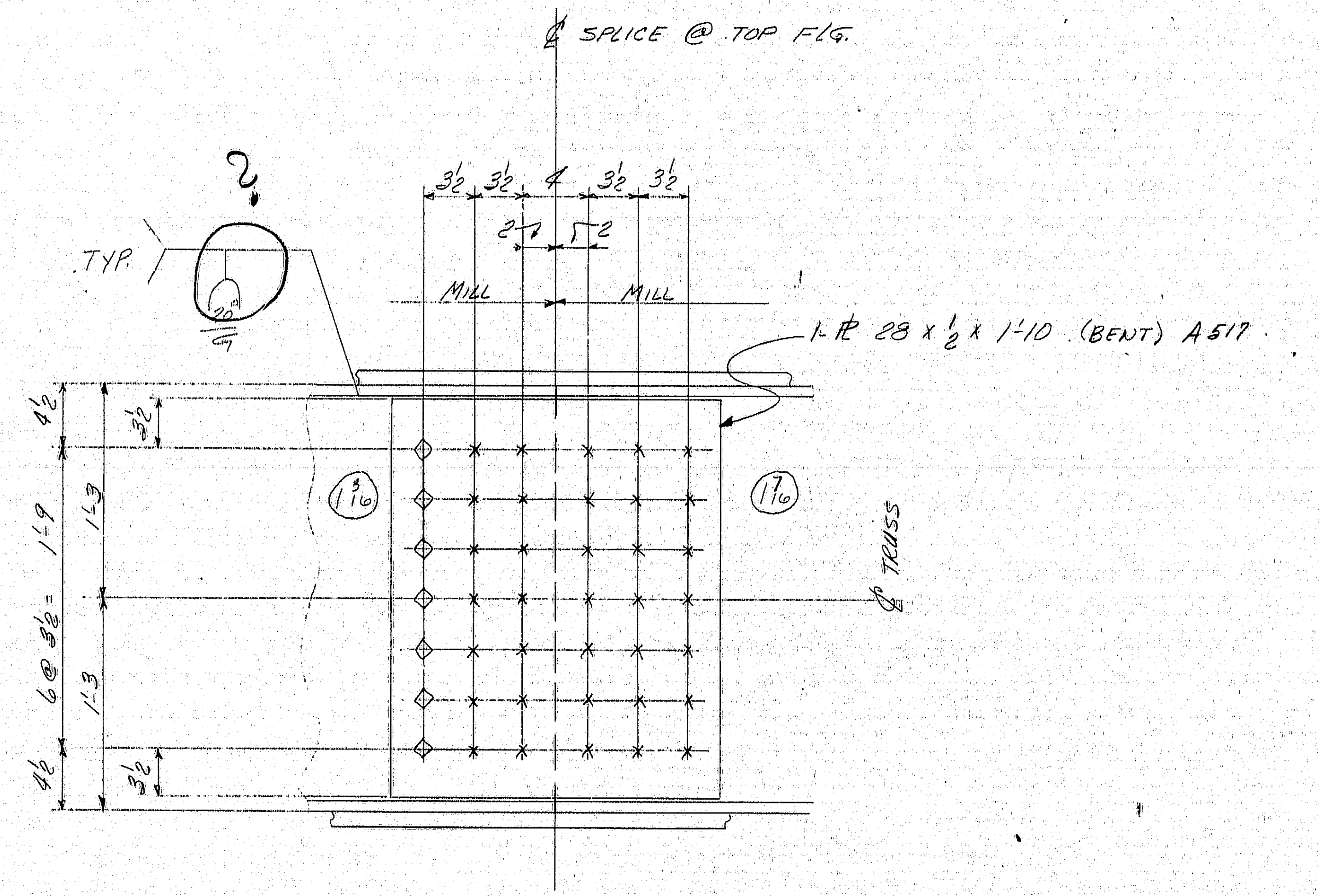
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

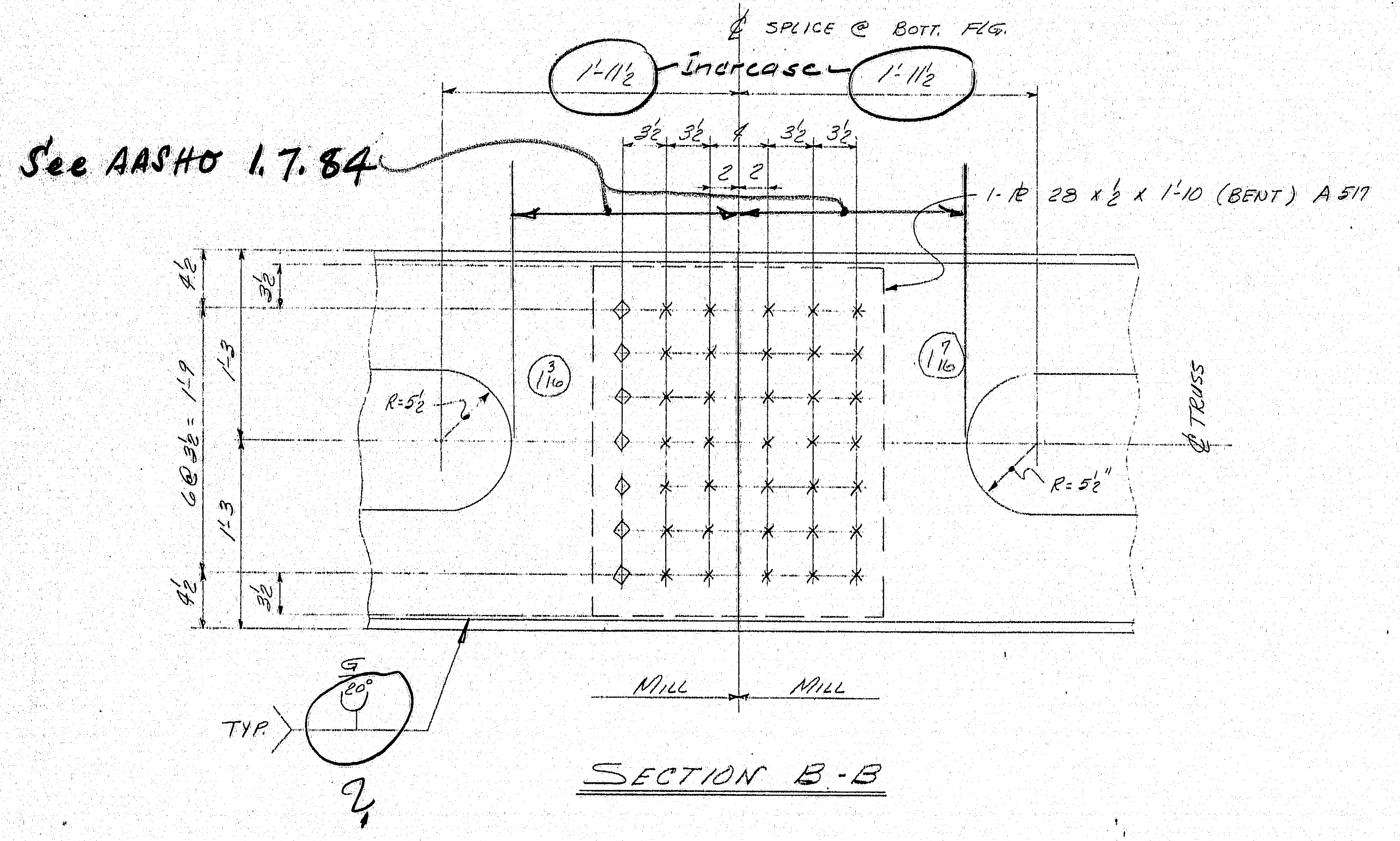
CHICAGO DRAFTING ROOM WORKS
MADE BY B.V. DATE 11-10-69 IN CHARGE L.A.G.
CHECKED BY PS DATE 11-14-69 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD45AB

36663 (1-65)

133:149



VIEW A-A



SECTION B-B

SHOP BOLTS:	GRIP
190 HSB 1"⌀ x 3¼	1 15/16
14 HSB 1"⌀ x 2½	1 3/16

FIELD BOLTS:	
28 HSB 1"⌀ x 2½	1 3/16
42 HSB 1"⌀ x 2¾	1 7/16
306 HSB 1"⌀ x 3¼	2
262 HSB 1"⌀ x 4	2 11/16
196 HSB 1"⌀ x 3½	2 3/8
48 HSB 1"⌀ x 3	1 15/16

For location of details shown on this sheet refer to diagrams.

To Be Revised and Resubmitted
For Approval
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY J. Z. ~~FEB 2 1970~~ JAN 30 1970

POINT U1

MATERIAL
[redacted] BOLTS 1"⌀
OPEN HOLES 1 1/16"⌀
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

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CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM WORKS
MADE BY B.V. DATE 11-10-69 IN CHARGE
CHECKED BY PS DATE 11-14-69 SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD 45BB

36663 (1-65)

133:150