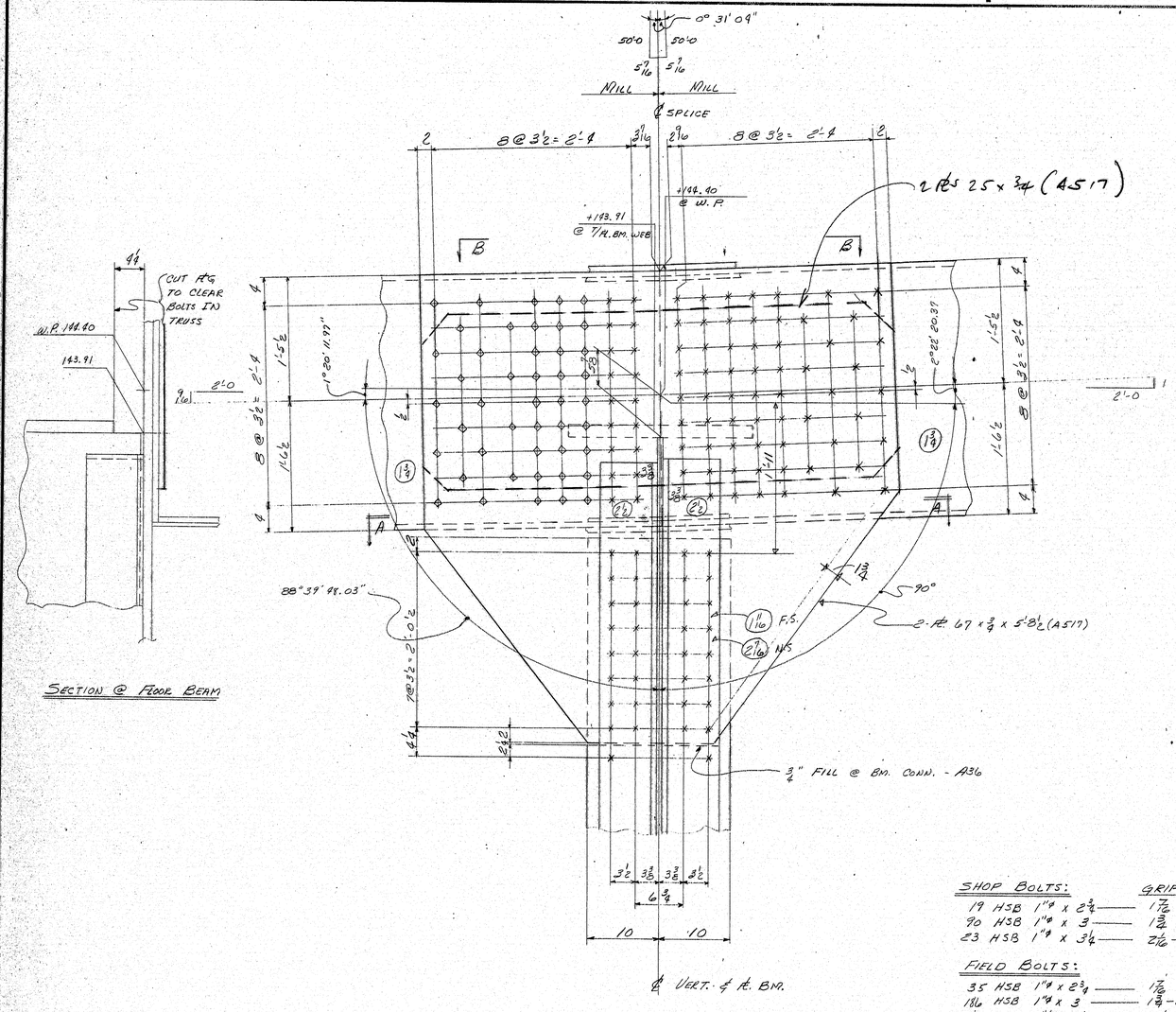


SHOP BOLTS:	GRIP
19 HSB 1"ø x 2¾	1 7/16
90 HSB 1"ø x 3	1 11/16
23 HSB 1"ø x 3¼	2 1/16 - 1 15/16

FIELD BOLTS:	
35 HSB 1"ø x 2¾	1 7/16
184 HSB 1"ø x 3	1 11/16 - 1 15/16
56 HSB 1"ø x 3¼	2 1/16
48 HSB 1"ø x 3½	2 1/16 - 2 1/8

NOTE:
BOLTS FOR FLOOR BM. CONN. BELOW GUSSET PL. NOT SHOWN.

MATERIAL
BOLTS — 1"ø
OPEN HOLES — 1 1/16"ø
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

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 #U2

CUSTOMER: MAINE STATE HIGHWAY COMMISSION
STRUCTURE: HARDESTY AND HANOVER CONSULTING ENG'R.
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 S.V. DATE IN CHARGE
CHECKED BY RS DATE 11-14-69 SHOP NO.
CONTRACT CG 6270-000 DRAWING NO. SD 96

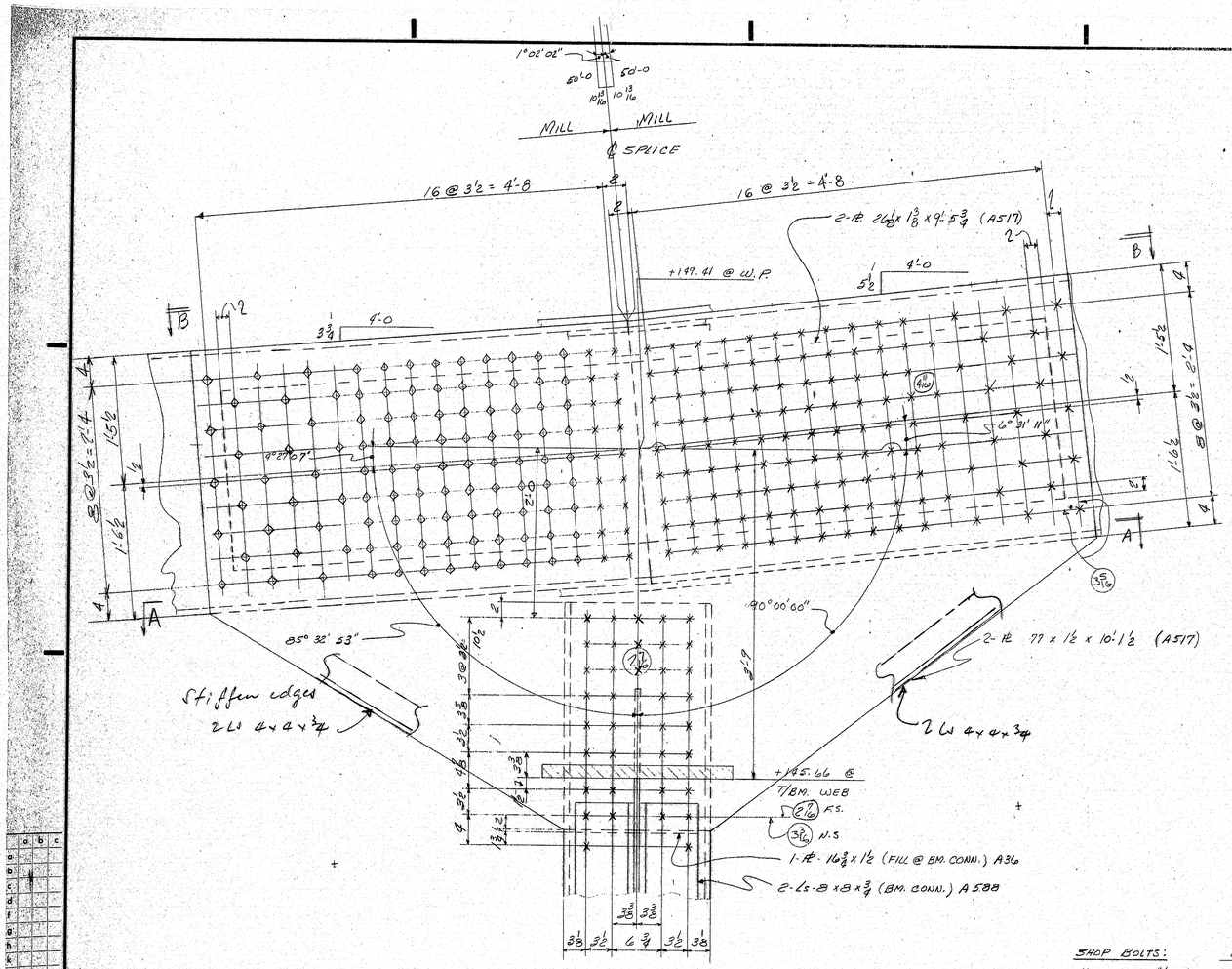
REVISION: NO | DATE | INIT.

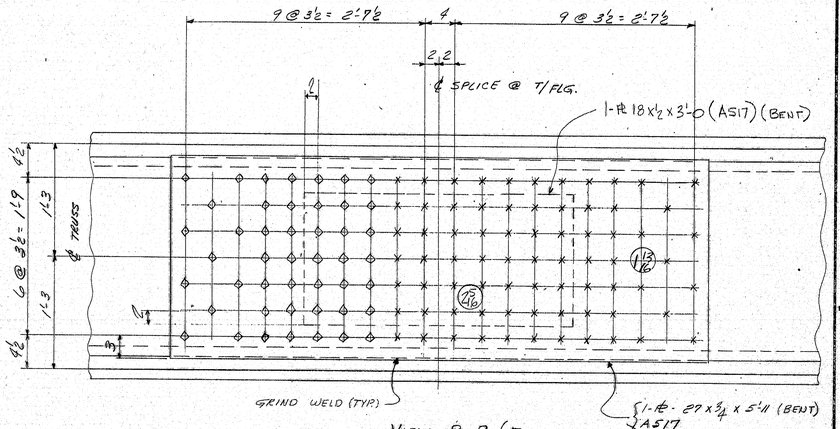
SUBMITTAL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0
DATE

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

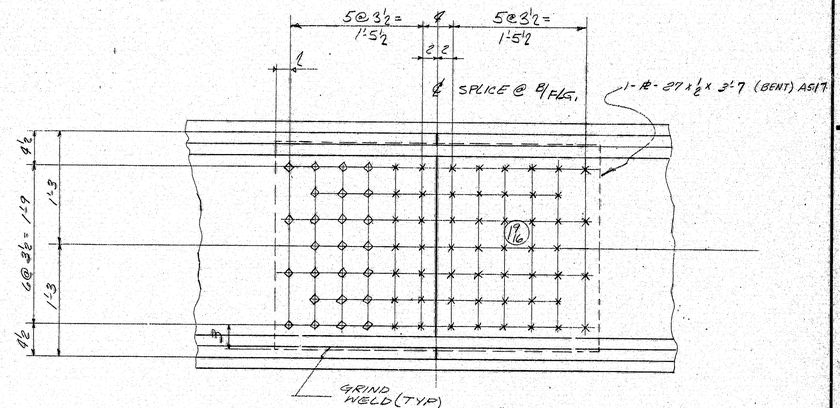
133:151

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX





VIEW B-B (DEVELOPED)



SECTION A-A (DEVELOPED)

SHOP BOLTS:	GRIP
162 HSB 1" x 6	4½
54 HSB 1" x 4½	3½
15 HSB 1" x 3½	2½
25 HSB 1" x 2¾	1⅞
31 HSB 1" x 3"	1⅞

FIELD BOLTS:	
218 HSB 1" x 6	4½
70 HSB 1" x 4½	3½
60 HSB 1" x 3¾	2½
35 HSB 1" x 3½	2½
49 HSB 1" x 2¾	1⅞
39 HSB 1" x 3	1⅞
4 HSB 1" x 4½	3½

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

To Be Revised and Resubmitted
For Approval
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY J.E. FEB 2 1970
POINT U4 JAN 30 1970

MATERIAL
BOLTS 1"ø
OPEN HOLES 1/16 1"ø
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
REVISION		

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

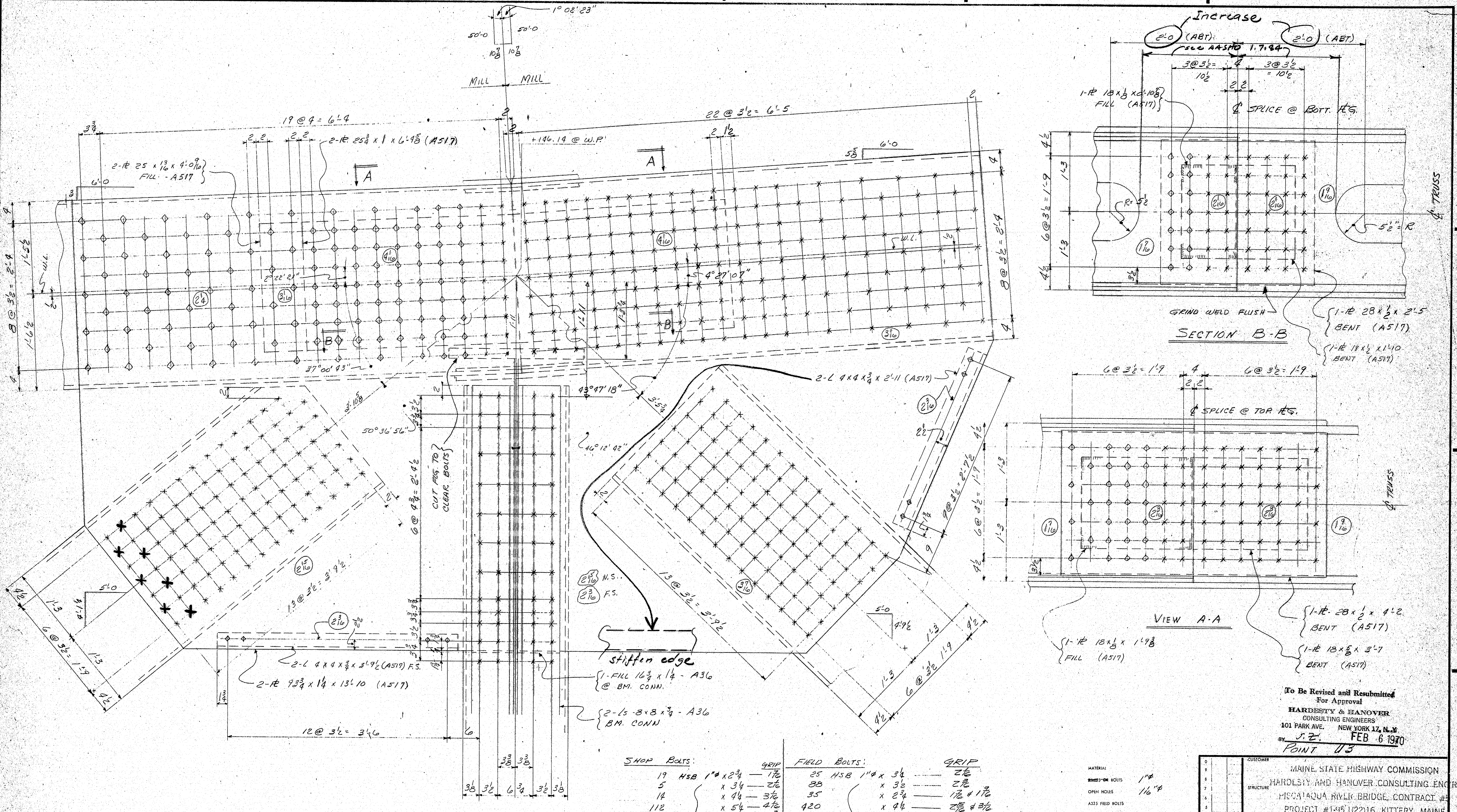
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY B.V.K. DATE 10-28-69 IN CHARGE L.A.G.
CHECKED BY FJS DATE 11-14-69 SHOP NO.
CONTRACT CG 6270-000 DRAWING NO. GD 47

133:152

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



SHOP BOLTS:

				GRIP
19	HSB	1"ϕ	x 2¾	1 7/16
5			x 3¼	2 1/16
14			x 4¼	3 1/16
112			x 5¼	4 1/16
170			x 3½	2 3/16

FIELD BOLTS:

				GRIP
25	HSB	1"ϕ	x 3¼	2 1/16
88			x 3½	2 5/16
35			x 2¾	1 7/16 & 1 9/16
420			x 4¼	2 15/16 & 3 1/16
196			x 4¾	3 7/16
168			x 5¼	4 1/16

To Be Revised and Resubmitted
For Approval
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY J.Z. FEB 6 1970

POINT U3

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

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

REVISION

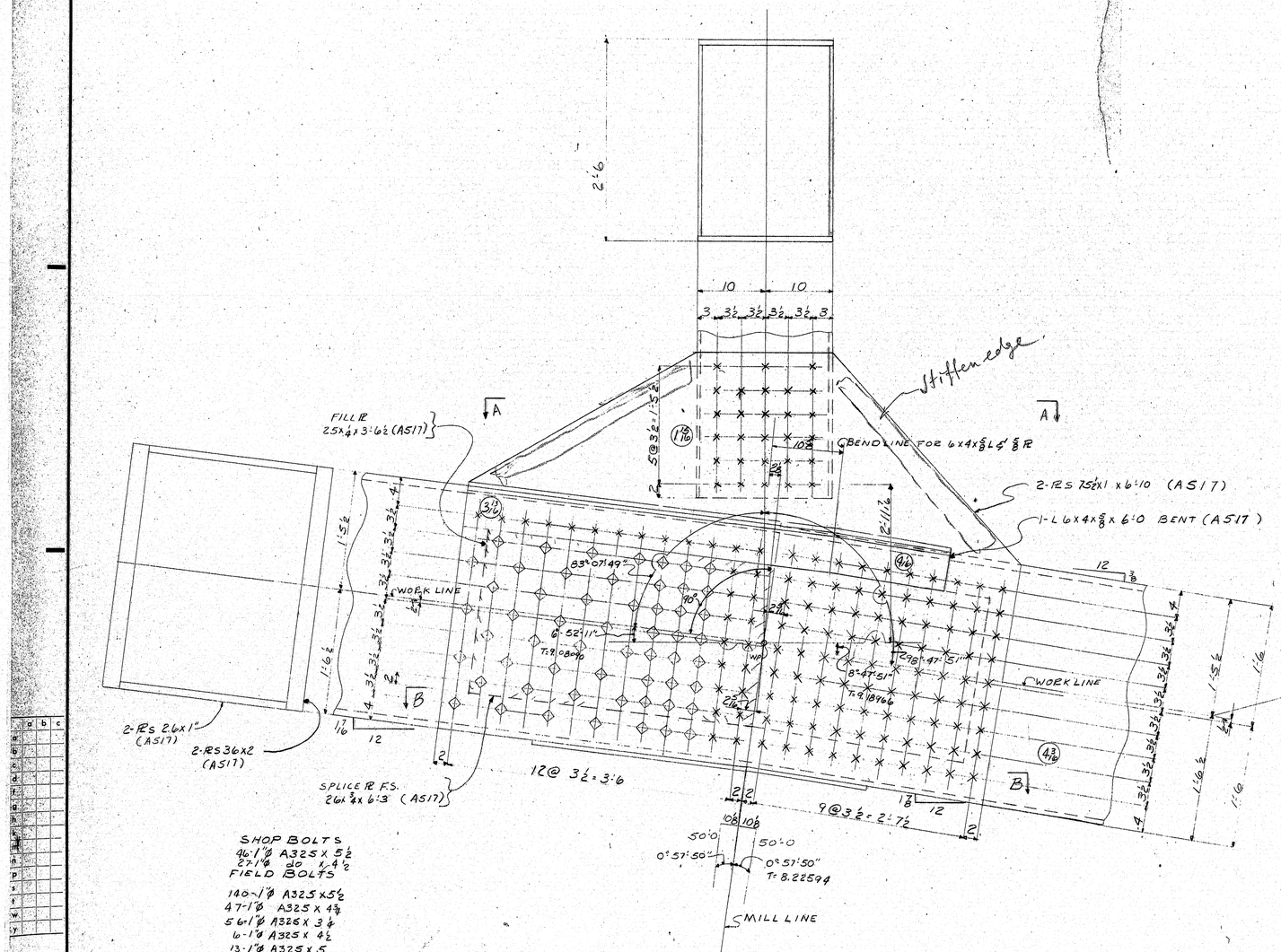
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER MAINE STATE HIGHWAY COMMISSION
STRUCTURE HARDESTY AND HANOVER CONSULTING ENGR.
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 BV DATE 11-7-69 IN CHARGE LAG.
CHECKED BY PS DATE 11-15-69 SHOP NO.
CONTRACT CG 6290-~~000~~ DRAWING NO. GD 48

133:153

6663 (1-65)



SHOP BOLTS
46-1"Ø A325 X 5½
27-1"Ø do x 4½
FIELD BOLTS
140-1"Ø A325 X 5½
47-1"Ø A325 X 4¾
56-1"Ø A325 X 3¼
6-1"Ø A325 X 4½
13-1"Ø A325 X 5
7-1"Ø A325 X 5¼

L5

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

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HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. Feb 5 1970

PANEL POINT L5

MATERIAL A-36 JN
RIVETS OR BOLTS
OPEN HOLES 1/16"Ø
A325 FIELD BOLTS 1"Ø
SHOP CONTACT SURFACES
PAINT

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

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

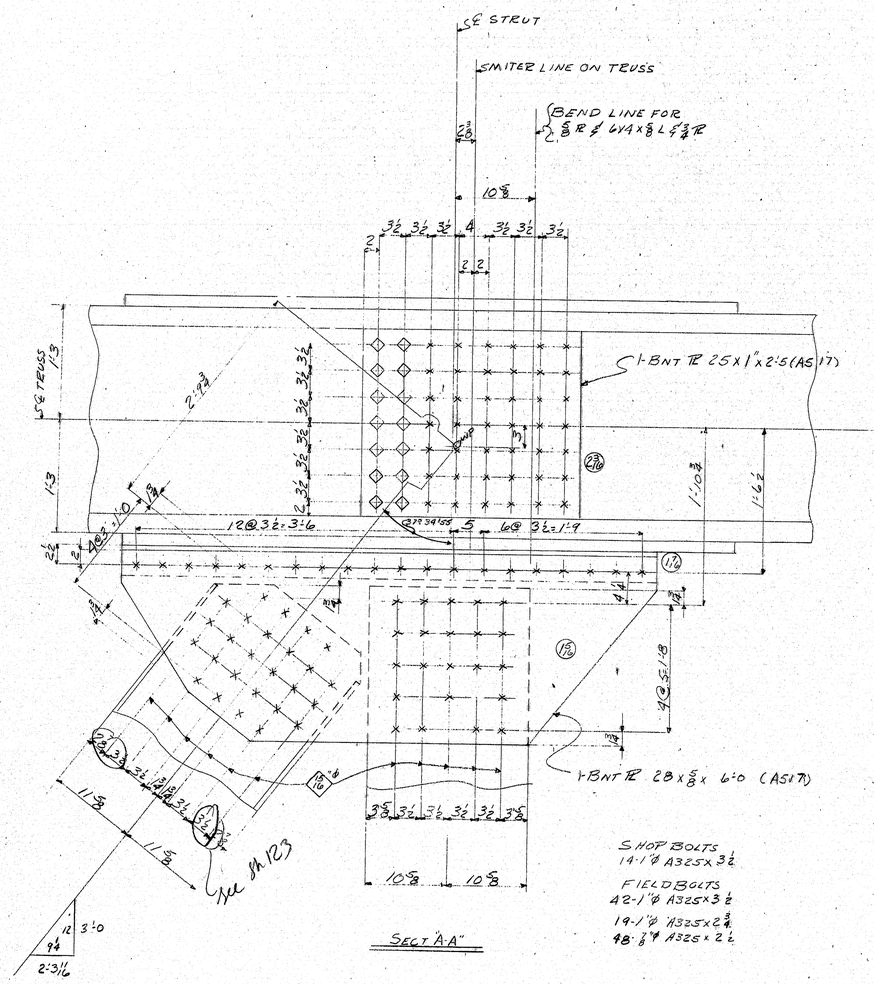
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RJP DATE 10-16-69 IN CHARGE LAG
CHECKED BY RJP DATE 11-14-69 SHOP NO.
CONTRACT CG 6290 DRAWING NO. SD 49AB

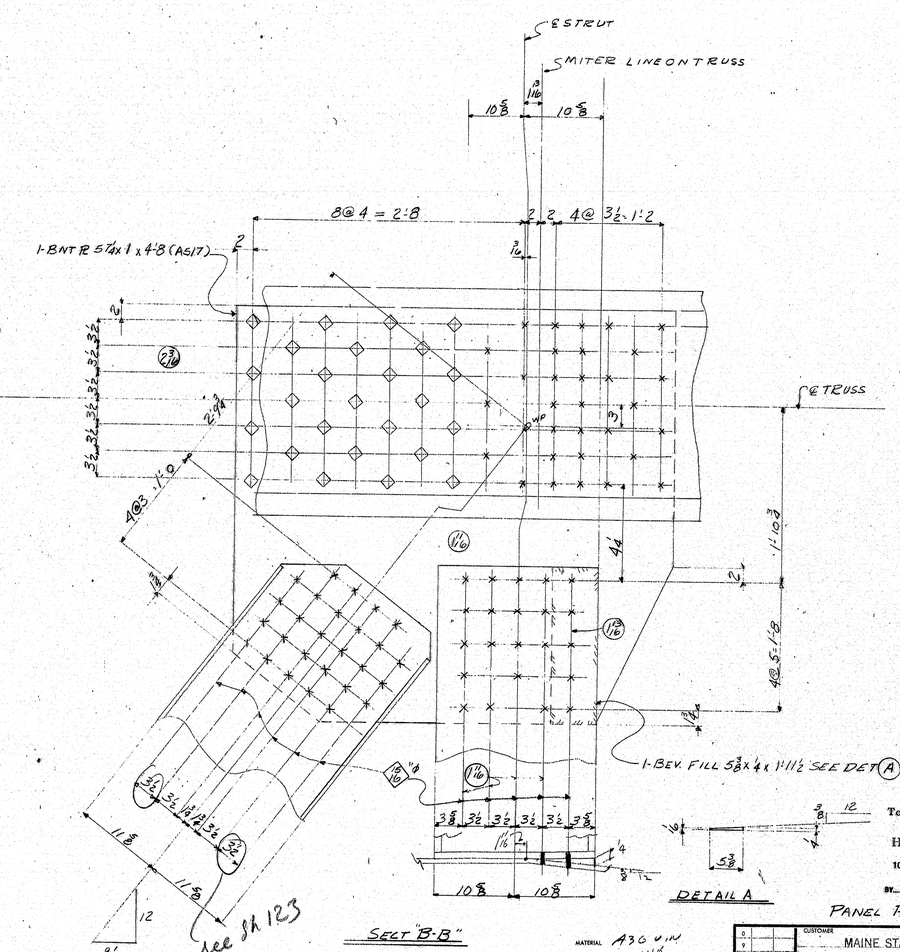
34663 11-65

133:154

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



SHOP BOLTS
14-1" ⌀ A325 x 3½
FIELD BOLTS
42-1" ⌀ A325 x 3½
19-1" ⌀ A325 x 2¾
48-⅞" ⌀ A325 x 2½



SHOP BOLTS
25-1" ⌀ A325 x 3½
FIELD BOLTS
32-1" ⌀ A325 x 3½
43-⅞" ⌀ A325 x 2¾
5-⅞ ⌀ A325 x 3"

To Be Revised and Resubmitted
for Approval
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY A.N. Feb. 5, 1970

PANEL POINT L5

MATERIAL A36 U.N.
RIVETS OR BOLTS 1" ⌀ / 1 1/16" ⌀ U.N.
OPEN HOLES 1 1/16
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

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

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

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

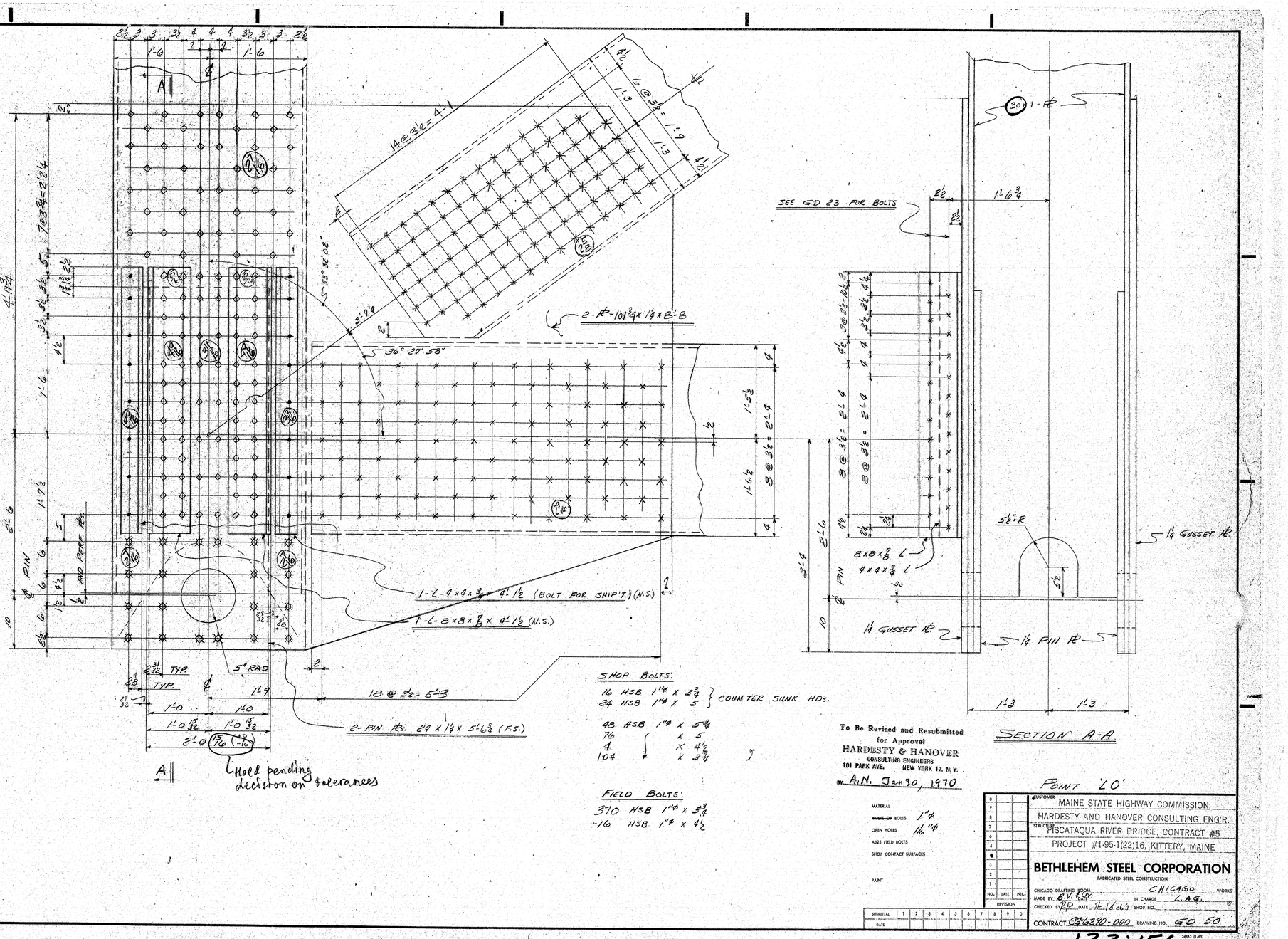
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RG DATE 10-17-69 IN CHARGE LAG
CHECKED BY RD DATE 11-14-69 SHOP NO.
CONTRACT CG6290 DRAWING NO. GD4788

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

133:155

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



SHOP BOLTS:

16 HSB 1"ø x 3¾ } COUNTER SUNK HDs.
24 HSB 1"ø x 5 }
48 HSB 1"ø x 5¾
76 x 5
4 x 4½
104 x 3¾

FIELD BOLTS:

310 HSB 1"ø x 3¾
16 HSB 1"ø x 4½

To Be Revised and Resubmitted
for Approval
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N. Y.
BY A.N. Jan 30, 1970

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

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

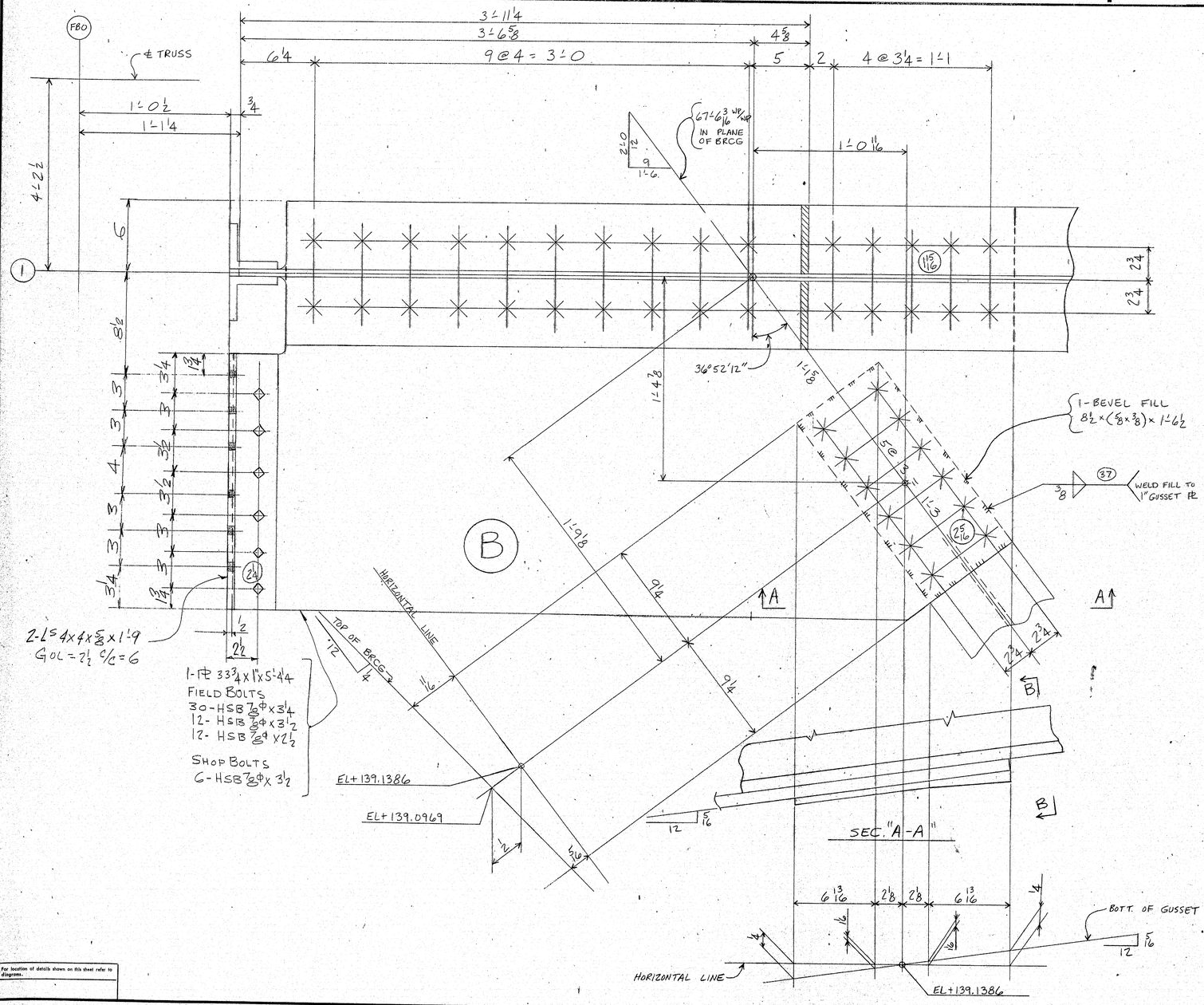
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CH1960 WORKS
MADE BY B.V. 1969 IN CHARGE L.A.G.
CHECKED BY RP DATE 11/18/69 SHOP NO.
CONTRACT C&G6270-000 DRAWING NO. GD 50

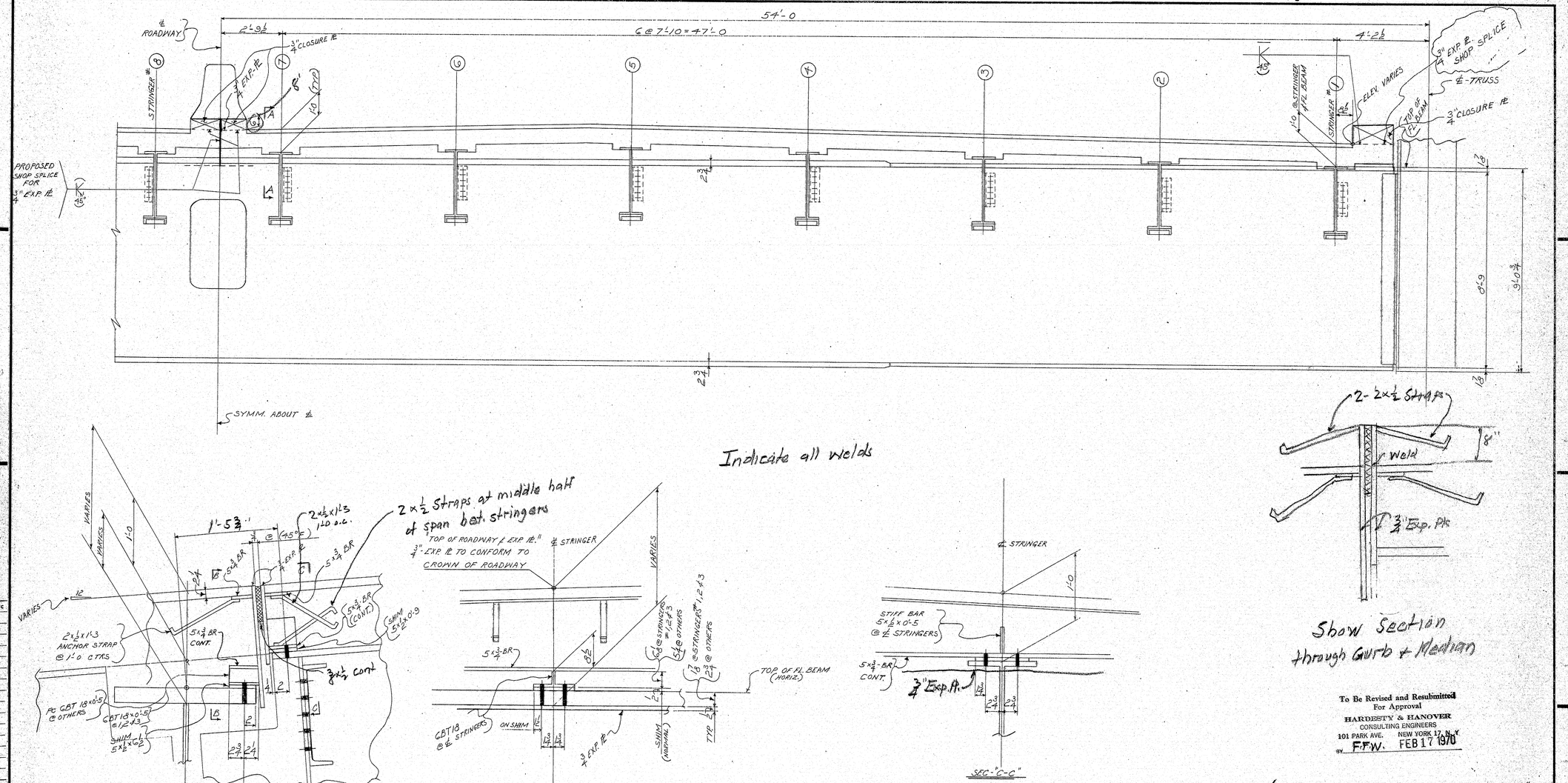
For location of details shown on this sheet refer to diagrams.

133:156

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



Indicate all welds

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

GJ34#AG OF DESIGNS

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

"PROPOSED DETAIL OF EXPANSION JTS @ DECK JOINT"

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

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 TJC DATE 11-3-69 IN CHARGE L.G.
CHECKED BY RP DATE 11-21-69 SHOP NO.
CONTRACT CGC290-000 DRAWING NO. GD52

REVISION: NO. | DATE | INIT.
SUBMITTAL 1 2 3 4 5 6 7 8 9 0
DATE

36663 (1-68)

133:158

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX

FB10

VERTICAL LINE

PROFILE GRADE LINE

10 10

WP

3/8 3 1/2 3 3/8 3 3/8 3 1/2 3/8

1-FILL PL 20×1 1/4×6'-1 1/4 (N.S.) A588

TOP OF WEB OF FLOOR BM

17.6

2 3/16

3/4

HOLES 1" BOLTS - N.S.

A2 5/8 4 1/2

A1 1-PL 20×1 1/4×2'-0 1/4 (F.S.) A588

3/16

A4

1-PL 24 3/4×3/4×8'-8 8/8 (N.S.) A517

POINT - L10

8'-11 5/8

19 @ 3 3/8 = 5'-4 7/8

A2

OPEN HOLES - N.S.
SHOP BOLTS - F.S.

3/16 -NS
2 3/16 -FS

3/16 -NS
2 1/16 -FS

1-PL 24 3/4×3/4×4'-8 3/8 -(F.S.) A517

A2

BK OF H.R. POST

1'-0

6'-8 3/8 PLATFORM F
6'-0 3/8 PLATFORM E

A3

3'-11 3/8 PLATF "F" & 3'-11 3/8 PLATFORM E

2-PL 32 3/8×1 1/2×11'-6 5/8 (I.S.) A517

↓A

1'-10 1/4 (PLAT. F)
1'-4 3/4 (PLAT. E)

A3

OPEN HOLES FOR RAIL POST

90°36'00.79"

89°29'42.95"

5/16 -FS
6/16 -NS

N.S. ℄

A

5/16 -NS
4/16 -FS

WORK LINE CHORD L10-L11

PARALLEL TO L9-L10

NOTE!
CUT TOP FLANGE OF FLOOR BM TO CLEAR BOLTS ON FILL PL

3'-0 1/8

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HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. APR 29 1970

1'-5 1/2
1'-6
= 2'-4
8 @ 3 1/2
1'-6
1'-6 1/2
3'-0

WORK LINE

(EL. 141.82) WP

1'-9 1/2

1'-3 3/8

30°-0'-17.05"

30°-0'-17.05"

B

2-PL 36 3/8×1/4×11'-6 5/8 (a.s.) A517

MILL MILL

2 3 1/2 3 1/2 3 3/8 3 3/8 3 3/8 3 1/2 3 1/2 2

5/16

BOTT OF WEB OF FLOOR BM
EL. +140.5387

5/16

2 1/2 5/8 5/8 1'-3 5/8 5/8 1/2 2

15 @ 3 1/2 = 4'-4 1/2

1'-2 1/2

1'-3

15 @ 3 1/2 = 4'-4 1/2

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

SHOP BOLTS

8 - HSB 1"×3 1/2
234 - HSB 1"×6 1/4
18 - HSB 1"×7

FIELD BOLTS

24 - HSB 1"×4 1/4
76 - HSB 1"×5
221 - HSB 1"×6 1/4
58 - HSB 1"×7
36 - HSB 1"×7 3/4
16 - HSB 1"×7 1/4

MATERIAL — AS NOTED
BOLTS — 1"ϕ
OPEN HOLES — 1 1/16"ϕ
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	REVISION	INIT.
A3	4-17		CD
A2	4-1		EC
A1	2-17		JG

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

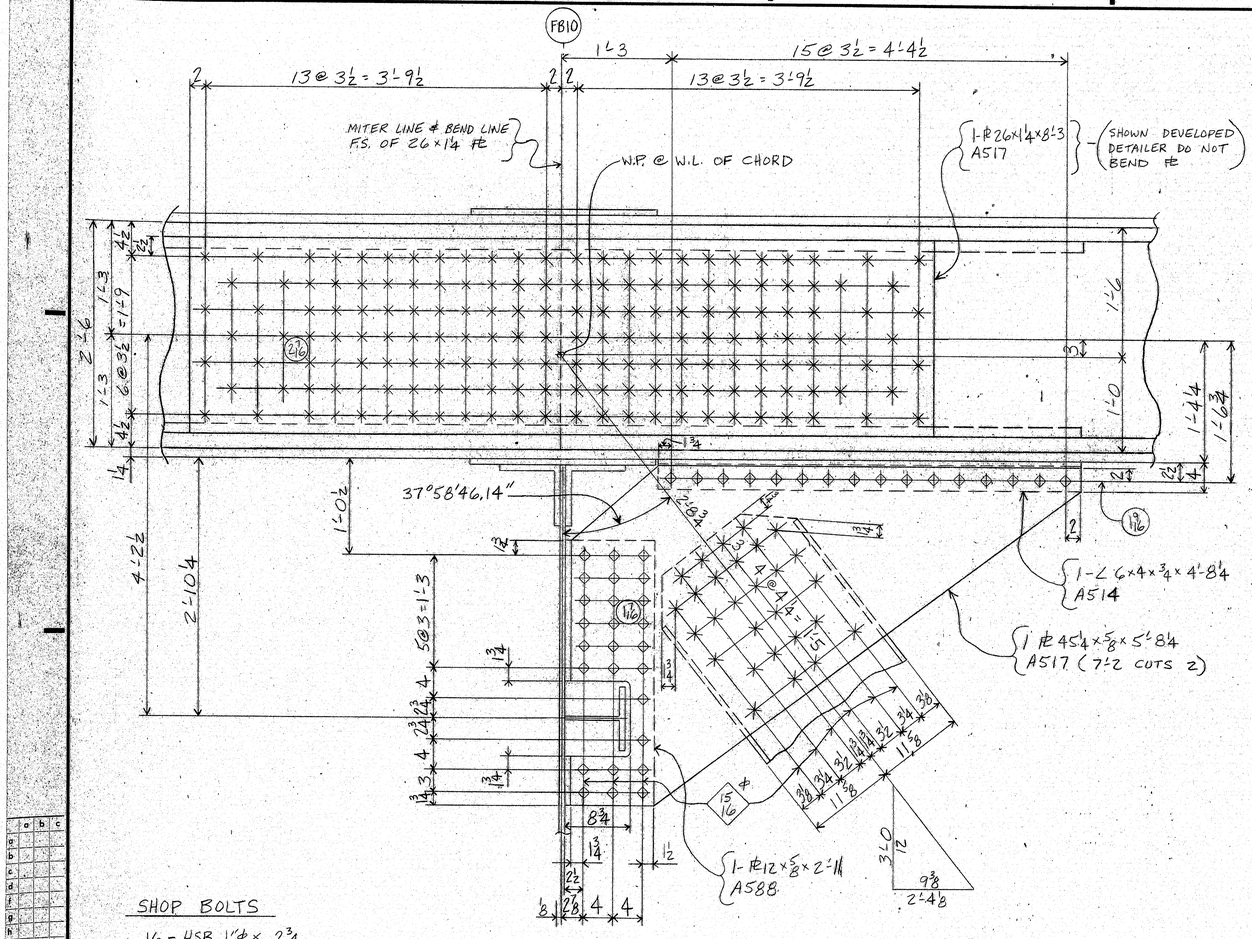
CUSTOMER: MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENGR.
STRUCTURE: PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95(22)16, KITTERY, MAINE

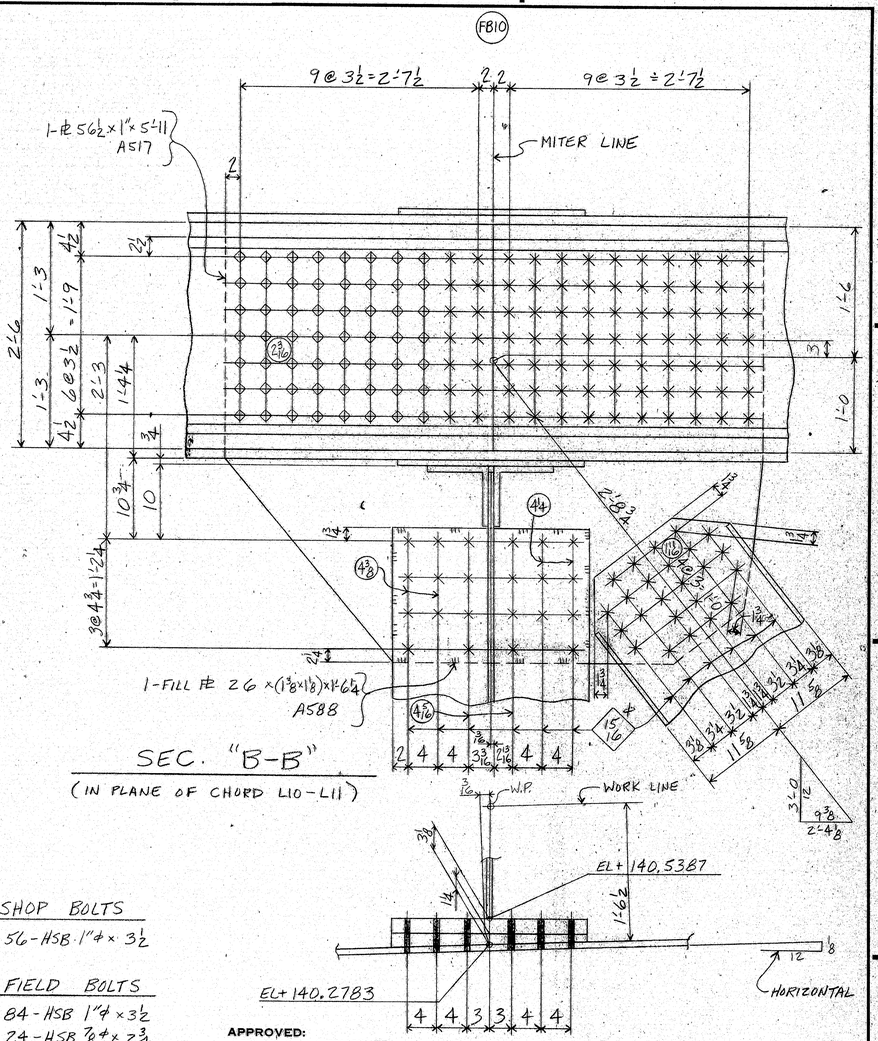
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 12-17-69 IN CHARGE LG
CHECKED BY C.A.D. DATE 1-21-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD53AB

POINT - L10

133:159

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX





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

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A. N. MAR 23 1970

MATERIAL — AS NOTED
BOLTS — 1"ϕ U.N.
OPEN HOLES — 1 1/16ϕ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES — NO PAINT
WELDING — AS NOTED
PAINT

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

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

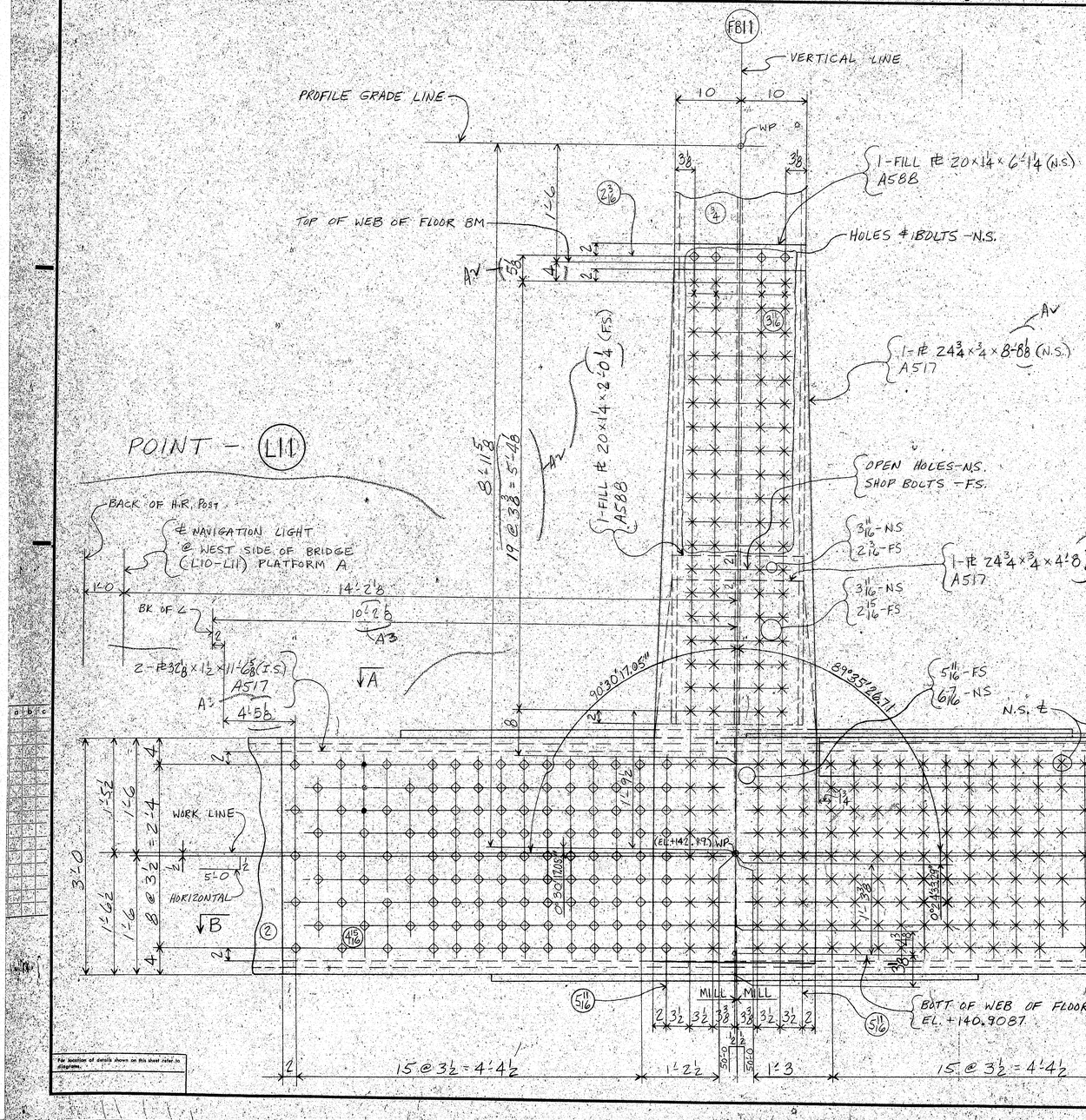
CUSTOMER: MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R
STRUCTURE: PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY W.B. DATE 12-19-69 IN CHARGE L.G.
CHECKED BY C.A.D. DATE 1-21-70 SHOP NO.
CONTRACT CG6270-000 DRAWING NO. GD53BB

133:160

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



SHOP BOLTS

8 - HSB 1℄ × 3 1/2
234 - HSB 1℄ × 6 4
18 - HSB 1℄ × 7
} AM21

FIELD BOLTS

221 - HSB 1℄ × 6 4
58 - HSB 1℄ × 7
32 - HSB 1℄ × 7 1/4
76 - HSB 1℄ × 5
16 - HSB 1℄ × 7 1/4
24 - HSB 1℄ × 4 4
} S1

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. MAY 8 1970

NOTE:
CUT TOP FLANGE OF FLOOR BM
TO CLEAR BOLTS ON SPLICE FILL

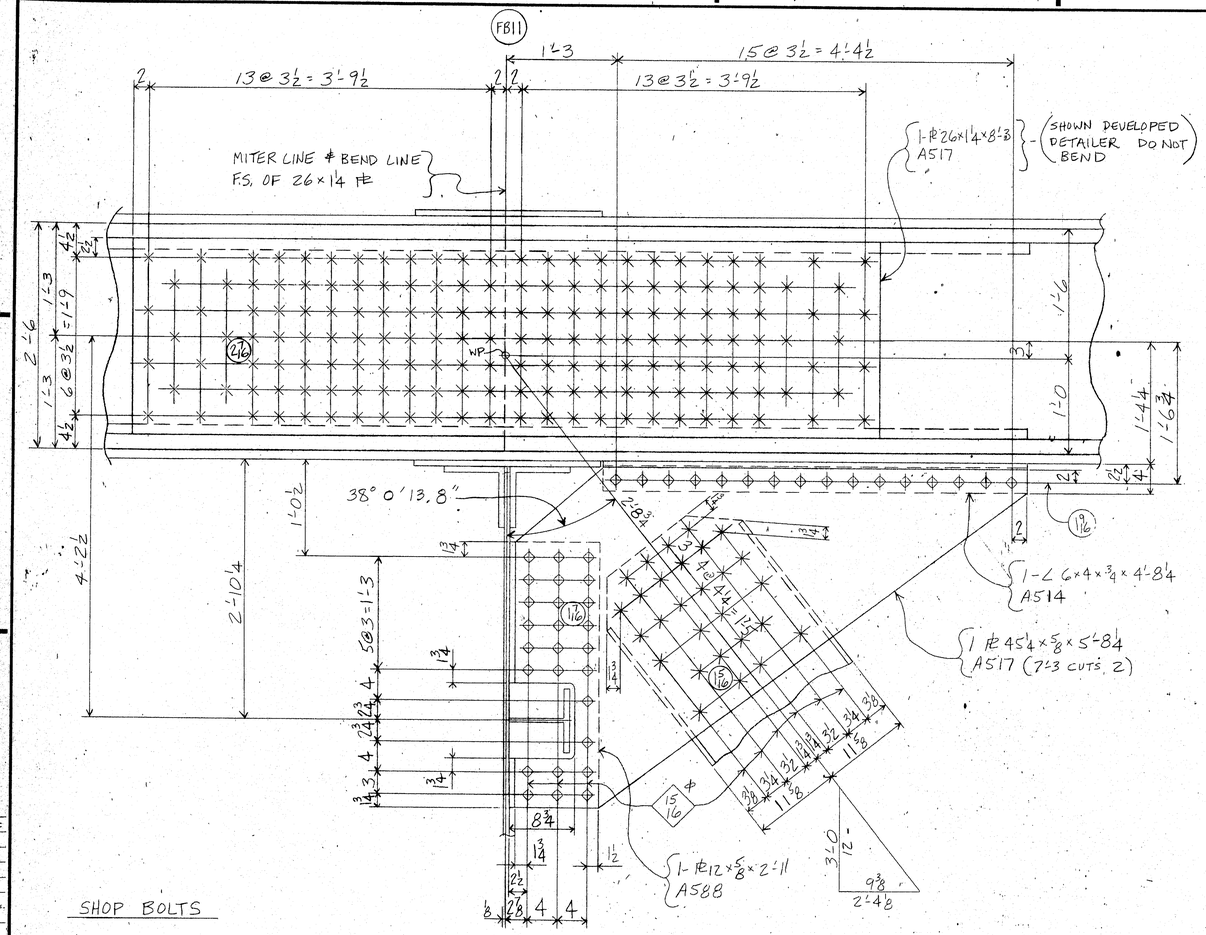
MATERIAL - AS NOTED
BOLTS
OPEN HOLES - 1/16"+
A325 FIELD HOLES
SHOP CONTACT SURFACES
PAINT

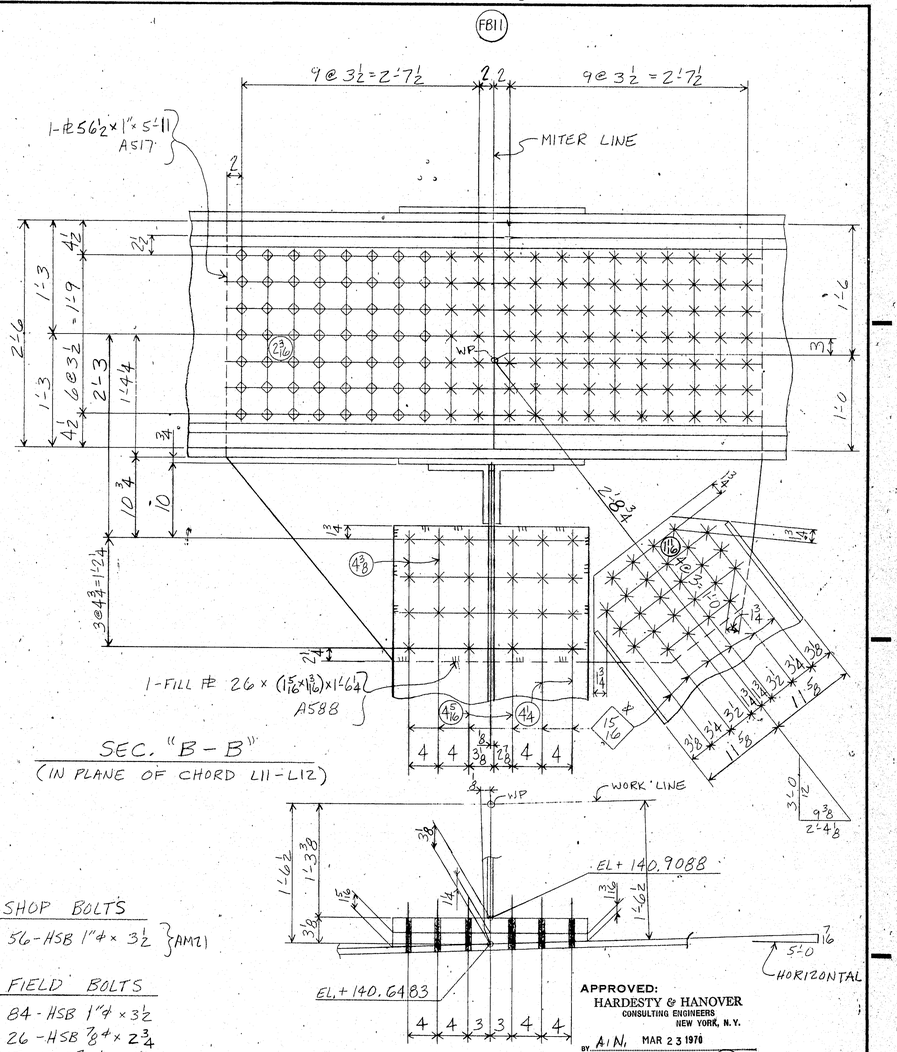
SUBMITTAL
DATE

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
STRUCTURE
HARDESTY AND HANOVER CONSULTING ENG'R.
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM — CHICAGO, ILL.
MADE BY: W.B. DATE 12-19-69 IN CHARGE L.G.
CHECKED BY: C.A.D. DATE 1-22-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD54AB

133:161

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX





SHOP BOLTS

26-HSB ⅞"ϕ × 2½"
16-HSB 1"ϕ × 2¾" } AM21

FIELD BOLTS

168-HSB 1"ϕ × 3¾"
28-HSB ⅞"ϕ × 2½"

SHOP BOLTS

56-HSB 1"ϕ × 3½" } AM21

FIELD BOLTS

84-HSB 1"ϕ × 3½"
26-HSB ⅞"ϕ × 2¾"
15-HSB ⅞"ϕ × 5½"
7-HSB ⅞"ϕ × 5¼"

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

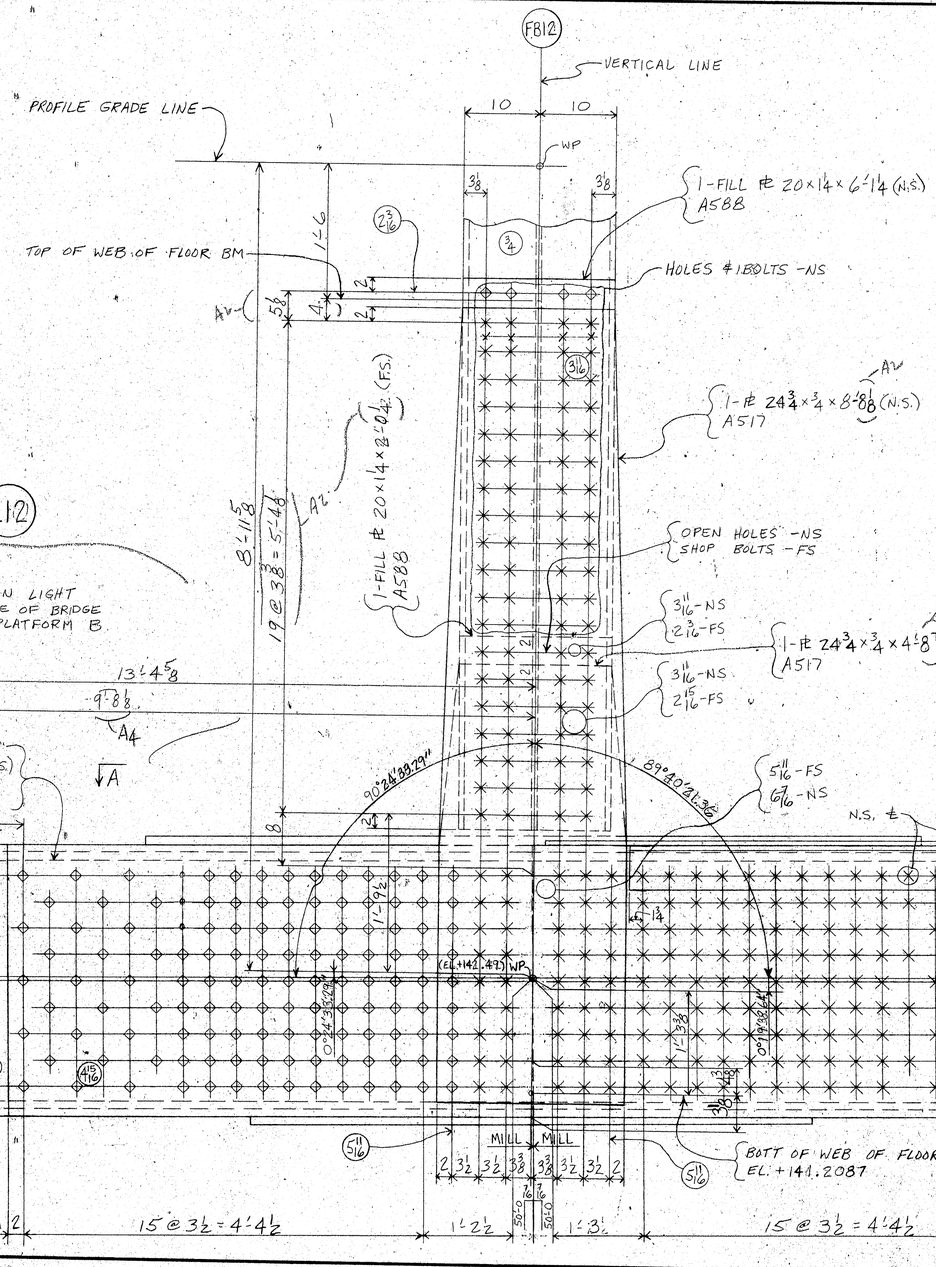
MATERIAL — AS NOTED
BOLTS — 1"ϕ U.N.
OPEN HOLES — 1⅛"ϕ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES — NO PAINT
WELDING — AS NOTED
PAINT

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.I.N. MAR 23 1970
POINT — (11)

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 W.B. DATE 12-19-69 BY CHARGE L.G.
CHECKED BY C.A.D. DATE 1-22-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD54BB

133:162

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



SHOP BOLTS

8 - HSB 1 ℄ × 3 1/2
234 - HSB 1 ℄ × 6 1/4
18 - HSB 1 ℄ × 7

} AM21

FIELD BOLTS

221 - HSB 1 ℄ × 6 1/4
58 - HSB 1 ℄ × 7
32 - HSB 1 ℄ × 7 3/4
76 - HSB 1 ℄ × 5
116 - HSB 1 ℄ × 7 1/4
24 - HSB 1 ℄ × 4 1/4

S11

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. MAY 28 1970

MATERIAL — AS NOTED
BOLTS — 1"℄
OPEN HOLES, — 1 1/16"℄
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

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

NO.	DATE	REVISION	INIT.
5	1-14		CD
4	1-14		CD
3	4-1		CD
2	2-17		TC
1	2/17		TC

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
STRUCTURE
HARDESTY AND HANOVER CONSULTING ENG'R.
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE
"FABRICATED STEEL CONSTRUCTION"
BETHLEHEM STEEL CORPORATION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY W.B. DATE 12-22-69 IN CHARGE L.G.
CHECKED BY C.A.P. DATE 1-22-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD55AB

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

133:163

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX

FB12

1'-3

15 @ 3½ = 4'-4½

13 @ 3½ = 3'-9½

13 @ 3½ = 3'-9½

MITER LINE

1-PL 26 x 1¼ x 8'-3 A517

WP

38°.0 '13.8"

1'-0½

4'-2¼

2'-10¼

1-L 6 x 4 x ¾ x 4'-8¼ A514

1 PL 45¼ x ⅝ x 5'-8¼ A517 (7 CUTS 2 PCS)

1-PL 12 x ⅝ x 2'-11 A588

3'-0 / 12

9⅜ 2'-4⅛

SHOP BOLTS

26 - HSB ⅞ x 2½
16 - HSB 1 x 2¾ } AM21

FIELD BOLTS

168 - HSB 1 x 3¾
28 - HSB ⅞ x 2½

SEC. "A - A" (IN PLANE OF CHORD L12-L13)

W.P. @ EL+143.9483

5'-0 HORIZONTAL

WORK LINE L12-L13

FB12

9 @ 3½ = 2'-7½

9 @ 3½ = 2'-7½

1-PL 56½ x 1" x 5'-11 A517

MITER LINE

1-FILL PL 26 x (15/16 x 3/16) x 1'-6¼ A588

SEC. "B - B" (IN PLANE OF CHORD L12-L13)

WORK LINE

EL+141.2087

EL+140.9483

5'-0 HORIZONTAL

SHOP BOLTS

AM21 { 56 - HSB 1 x 3½

FIELD BOLTS

84 - HSB 1 x 3½
24 - HSB ⅞ x 2¾
15 - HSB ⅞ x 5½
7 - HSB ⅞ x 5¼

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

POINT - L12

MATERIAL — AS NOTED
BOLTS — 1" U.N.
OPEN HOLES — 1 1/16" U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES — NO PAINT
WELDING - AS NOTED
PAINT

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

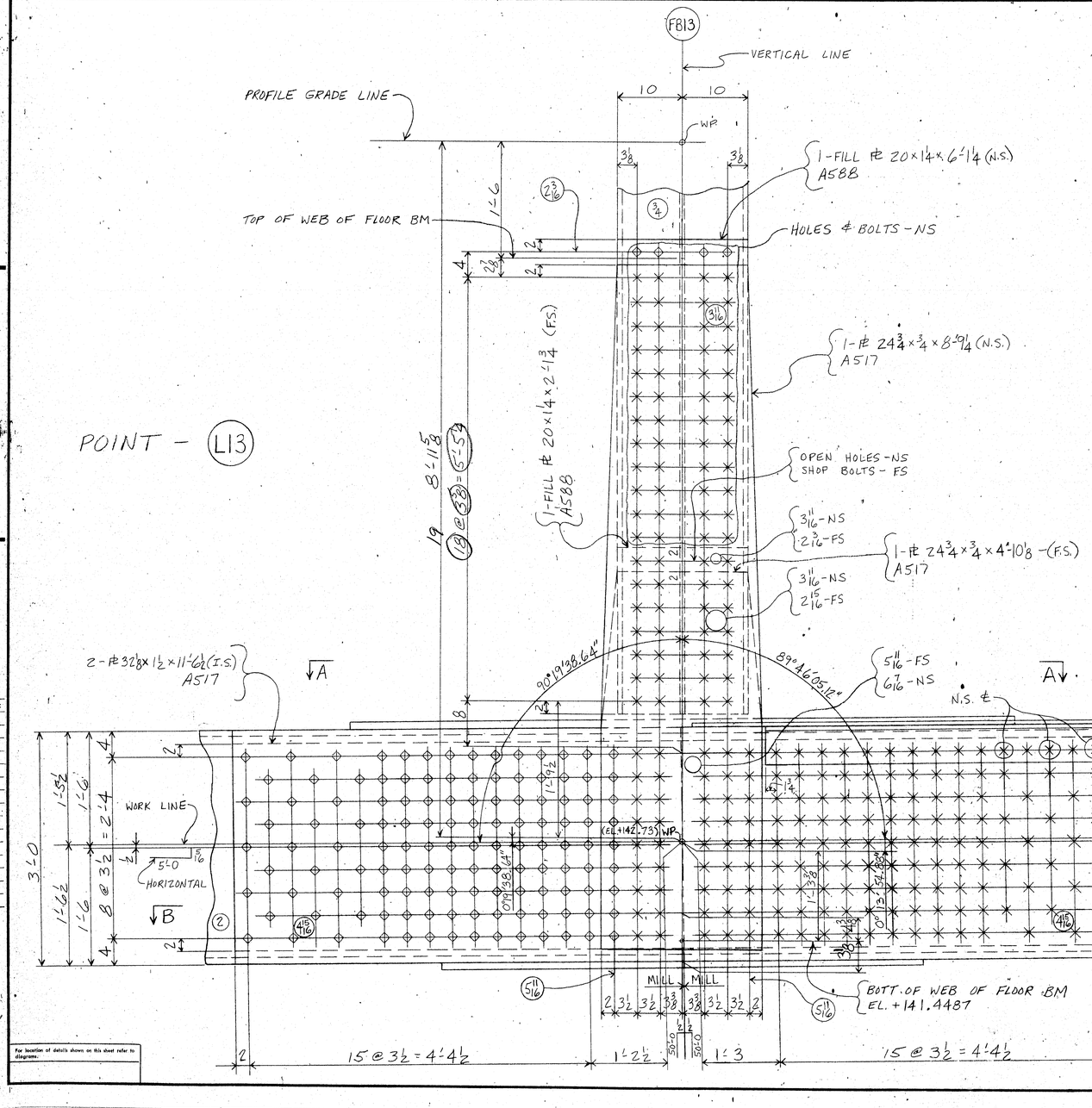
CHICAGO DRAFTING ROOM — CHICAGO WORKS
MADE BY W.E. DATE 12-22-69 IN CHARGE E.G.
CHECKED BY C.A.D. DATE 1-22-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD55BB

REVISION: NO. DATE DISC.

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

133:164

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



POINT - (L13)

SHOP BOLTS	
8 - HSB 1ϕ × 3½	AM21
234 - HSB 1ϕ × 6¼	
18 - HSB 1ϕ × 7	

FIELD BOLTS
221 - HSB 1ϕ × 6¼
74 - HSB 1ϕ × 7
32 - HSB 1ϕ × 7¾
76 - HSB 1ϕ × 5
24 - HSB 1ϕ × 4¼

To Be Revised and Resubmitted for Approval
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY A.N. MAR 23 1970

NOTE! CUT TOP FLANGE OF FLOOR BM TO CLEAR BOLTS ON SPLICE FILL

POINT - (L13)

MATERIAL - AS NOTED
BOLTS - 1"ϕ
OPEN HOLES - 1⅛"ϕ
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

SUBMITTAL 1 2 3 4 5 6 7 8 9 10
DATE

NO	DATE	INIT
REVISION		

CUSTOMER: MAINE STATE HIGHWAY COMMISSION
STRUCTURE: HARDESTY AND HANOVER CONSULTING ENG'R.
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 12-22-69 IN CHARGE L.G.
CHECKED BY C.A.D. DATE 1-23-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD56AB

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

133:165

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX

FB13

1'-3

13@3½ = 3'-9½

15@3½ = 4'-4½

13@3½ = 3'-9½

MITER LINE

1-PL 26×¼×8'-3 A517

WP

2'-6

1'-3

1'-9

6@3½ = 1'-9

4½

2½

1'-6

3

1'-0

1'-4¼

1'-6¾

2

¼

4

38°00'13.80"

1'-0½

4'-2½

2'-10¼

¾

1¼

3@4 = 1'-0

5@3 = 1'-3

4

3

2 3/4

4

3

4

1¼

¾

8¾

1¼

1½

2½

1⅝

2⅞

4

4

15/16

1-PL 12×⅝×2'-11 A588

3'-0 12

9⅜ 2'-4⅜

1-L 6×4×¾×4'-8¼ A514

1-PL 45¼×⅝×5'-8 5/16 A517 (7'-3 CUTS 2 PCS)

SEC. "A-A" (IN PLANE OF CHORD L13-L14)

SHOP BOLTS

26-HSB ⅞"×2½ }
16-HSB 1"×2¾ } AM21

FIELD BOLTS

168-HSB 1"×3¾
28-HSB ⅞"×2½

2⅞

4

4

1/16

W.P. @ EL+144.1883

3/8

1'-5½

A5'-0

HORIZONTAL

WORK LINE L13-L14

WP

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

FB13

9@3½ = 2'-7½

9@3½ = 2'-7½

1-PL 56½×1"×5'-11 A517

MITER LINE

2'-6

1'-3

4½

2½

1'-9

6@3½ = 1'-9

2'-3

1'-4¼

1'-6

3

1'-0

3/4

10¾

10

3@4¾ = 1'-2¼

2'-8¾

4½

4¼

11/16

45/16

15/16

1-FILL PL 26×(15/16×3/16)×1'-6¼ A588

SEC. "B-B" (IN PLANE OF CHORD L13-L14)

WP

WORK LINE

1'-6½

1'-3⅜

⅜

EL+141.4487

1'-6½

WORK LINE L13-L14

¼

5'-0 HORIZONTAL

EL+141.1883

4 4 3 3 4 4

3'-0 12

9⅜ 2'-4⅜

SHOP BOLTS

56-HSB 1"×3½ } AM21

FIELD BOLTS

84-HSB 1"×3½
24-HSB ⅞"×2¾
18-HSB ⅞"×5½
4-HSB ⅞"×5¼

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. MAR 23 1970

POINT - L13

MATERIAL — AS NOTED
BOLTS — ⅞" U.N.
OPEN HOLES — 1 1/16" U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES — NO PAINT
WELDING — AS NOTED
PAINT

REVISION

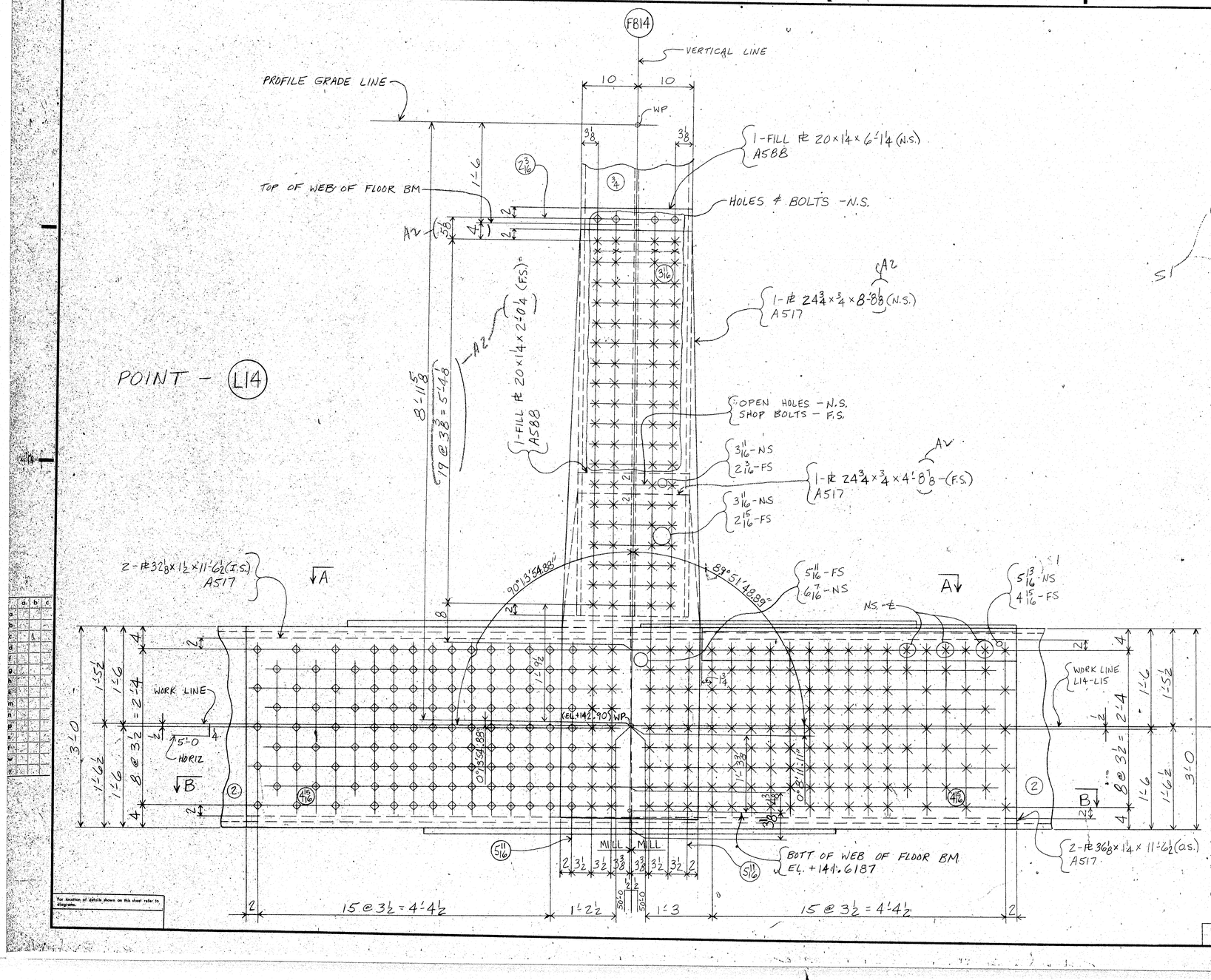
SUBMITTAL · 1 2 3 4 5 6 7 8 9 0
DATE

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
STRUCTURE
HARDESTY AND HANOVER CONSULTING ENG'R.
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 N.B. DATE 12-22-69 BY CHARGE L.G.
CHECKED BY CAD DATE 1-23-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD56BB

133:166

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



SHOP BOLTS

8 - HSB 1℄ × 3 1/2
234 - HSB 1℄ × 6 1/4
18 - HSB 1℄ × 7
} AM21

FIELD BOLTS

221 - HSB 1℄ × 6 1/4
58 - HSB 1℄ × 7
32 - HSB 1℄ × 7 3/4
76 - HSB 1℄ × 5
16 - HSB 1℄ × 7 1/4
24 - HSB 1℄ × 4 1/4

S1

NOTE!
CUT TOP FLANGE OF FLOOR BM TO CLEAR BOLTS ON SPLICE FILL

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CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. APR 17 1970

POINT - (L14)

MATERIAL - AS NOTED
BOLTS - 1"℄
OPEN HOLES - 1 1/16℄
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

SUBMITTAL	1	2	3	4	5	6	7	8	9	10
DATE										

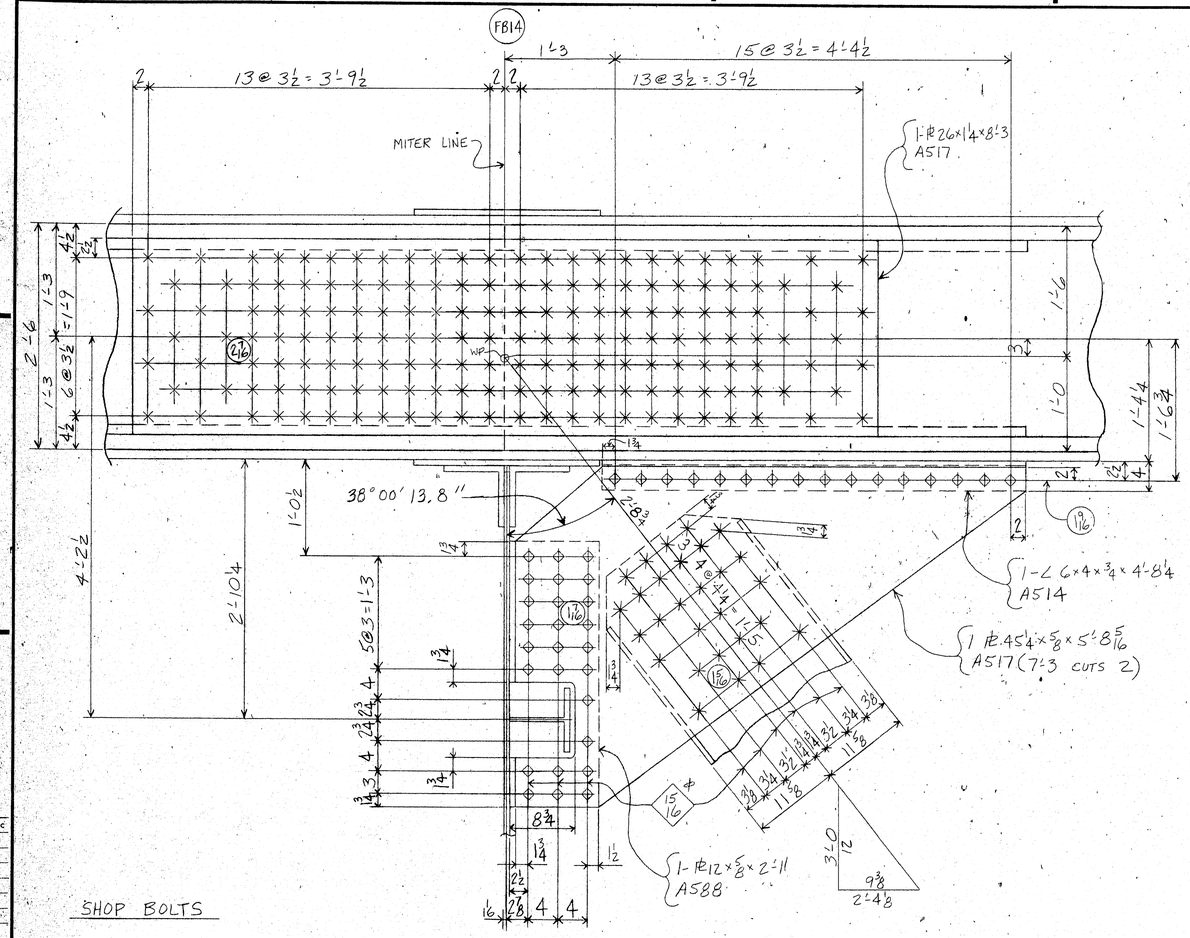
NO.	DATE	BY
A1	2-17	SD
A2	2/12	

REVISION

CUSTOMER: MAINE STATE HIGHWAY COMMISSION
STRUCTURE: HARDESTY AND HANOVER CONSULTING ENG'R
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 12-22-69 IN CHARGE LG
CHECKED BY CAL DATE 1-23-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD57AB

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

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX

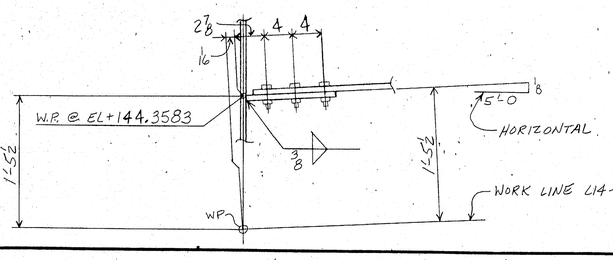


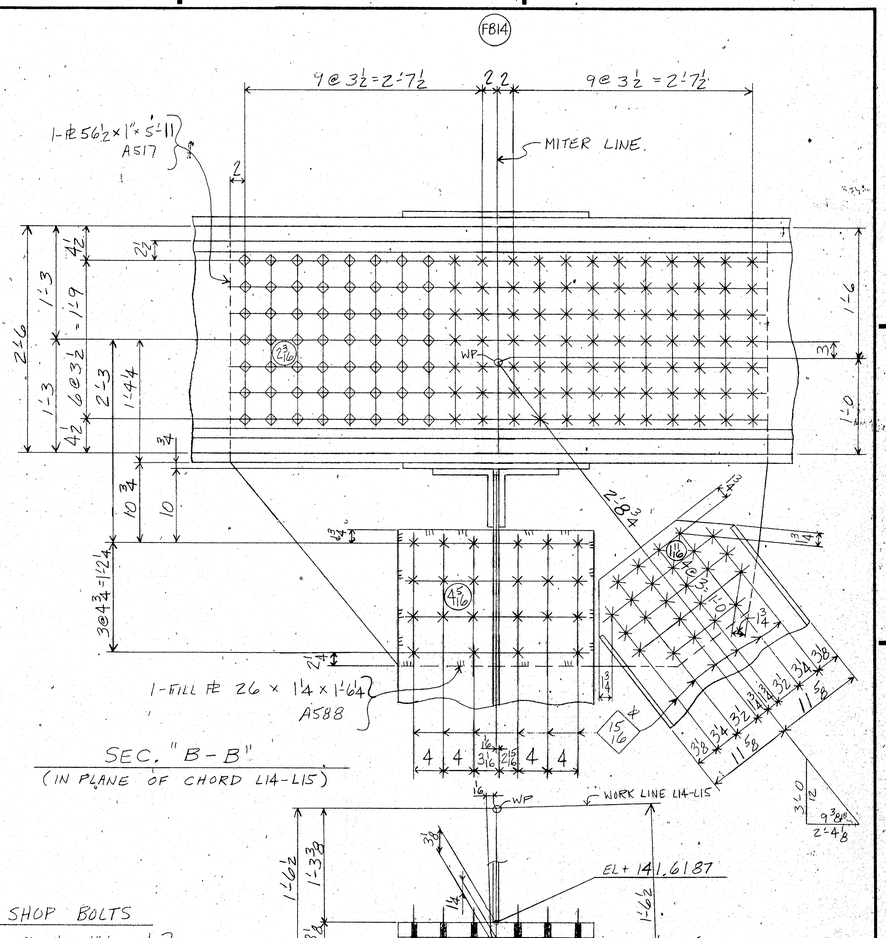
SHOP BOLTS

26 - HSB ⅞ϕ × 2½ } AM21
16 - HSB 1"ϕ × 2¾ }

FIELD BOLTS

168 - HSB 1"ϕ × 3¾
28 - HSB ⅞ϕ × 2½



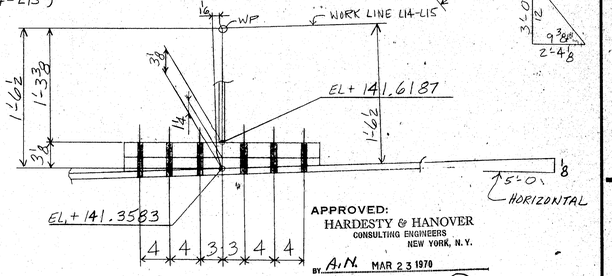


SHOP BOLTS

56 - HSB 1"ϕ × 3½ } AM21

FIELD BOLTS

84 - HSB 1"ϕ × 3½
24 - HSB ⅞ϕ × 2¾
22 - HSB ⅞ϕ × 5½



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

POINT — L14

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

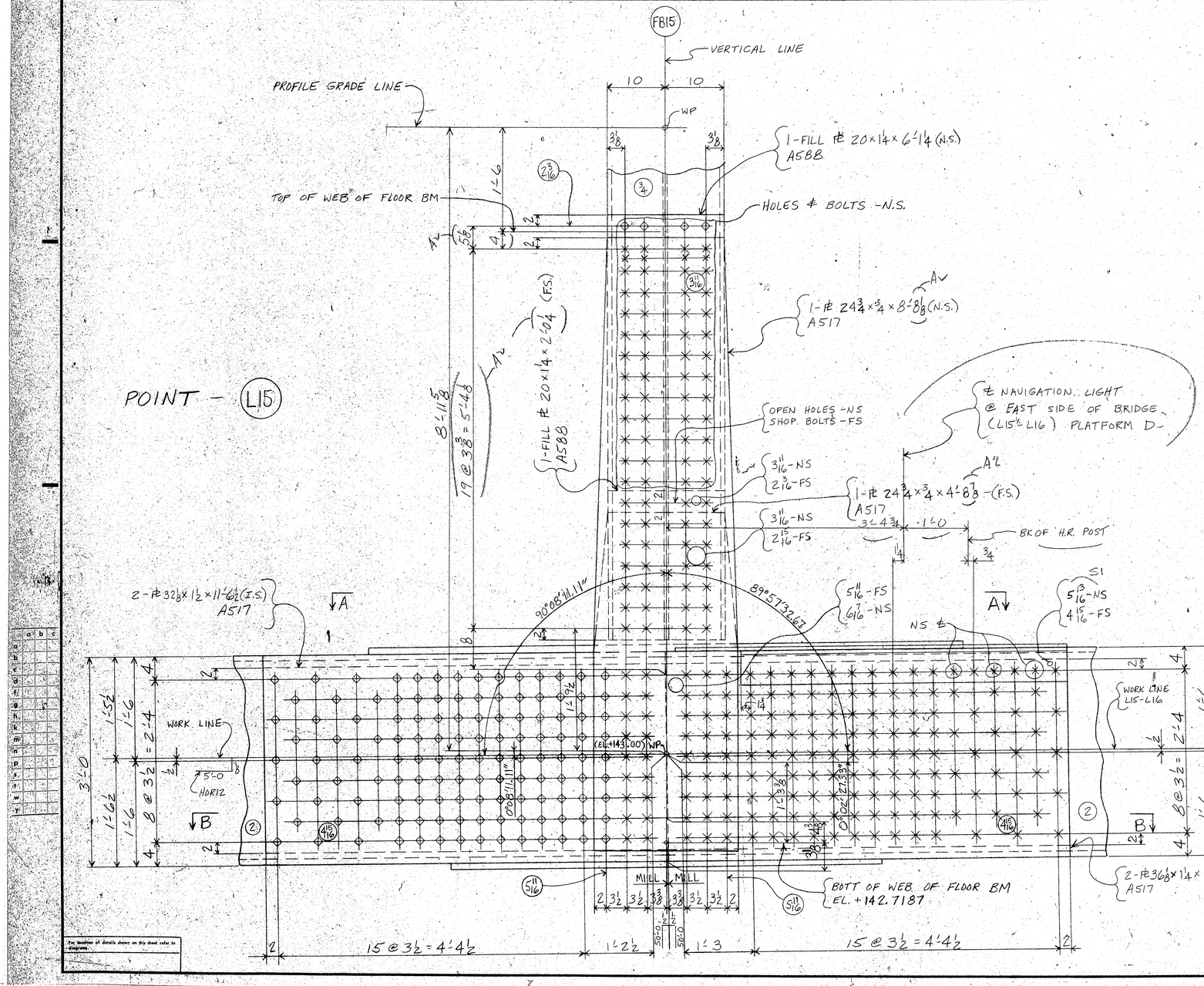
MATERIAL — AS NOTED
BOLTS — ⅞ϕ U.N.
OPEN HOLES — 1⅛ϕ U.N
A325 FIELD BOLTS ——
SHOP CONTACT SURFACES — NO PAINT
WELDING — AS NOTED
PAINT

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
STRUCTURE
HARDESTY AND HANOVER CONSULTING ENG'R.
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 W.B. DATE 12-22-69 IN CHARGE L.G.
CHECKED BY C.H.D DATE 1-23-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD57BB

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

133:168

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



SHOP BOLTS

8 - HSB 1⅛ × 3½
234 - HSB 1⅛ × 6¼
18 - HSB 1⅛ × 7
} A M21

FIELD BOLTS

221 - HSB 1⅛ × 6¼
58 - HSB 1⅛ × 7
32 - HSB 1⅛ × 7¾
76 - HSB 1⅛ × 5
16 - HSB 1⅛ × 7¼
24 - HSB 1⅛ × 4¼
} S1

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. APR 17 1970

MATERIAL - AS NOTED
BOLTS - 1⅛
OPEN HOLES - 1 1/16
A325 FIELD BOLTS
SHOP-CONTACT SURFACES
PAINT

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

NO.	REVISION	DATE	INIT.
0			
1			
2			
3			
4			
5			
6			
7			
8			
9			
A'S	4-1	4-1 2/16	CD 6/72

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 W.B. DATE 12-22-69 IN CHARGE L.G.
CHECKED BY C.A.D. DATE 1-16-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD58AB

POINT - (L15)

133:169

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX

FB15

1'-3

15@3½" = 4'-4½"

13@3½" = 3'-9½"

13@3½" = 3'-9½"

MITER LINE

1-PL 26×1¼×8'-3 A517

WP

2'-6

1'-3

1'-3

1'-9

6@3½" = 1'-9

4½

2½

3

1'-6

1'-0

1'-44

1'-6¾

¼

2

2½

4

2

(L16)

38° 0' 13.8"

2-8¾

1'-0½

4'-2½

2'-10¾

½

3

4@4½" = 1'-6

(L16)

(R16)

5@3" = 1'-3

3¼

2¾

3¼

4

3¼

2¾

3¼

4

¾

1¾

8¾

1¾

1½

2½

2⅞

4

4

1-PL 12×⅝×2'-11 A588

15/16 ϕ

3'-0 / 12

9⅜

2'-4⅜

1-L 6×4×¾×4'-8¼ A514

1-PL 4'-5¼×⅝×5'-8⅜ A517 (7'-3 CUTS 2)

SEC. "A-A" (IN PLANE OF CHORD L15-L16)

SHOP BOLTS

AM21 { 26-HSB ⅞ϕ×2½ ; 16-HSB 1"ϕ×2¾ }

FIELD BOLTS

168-HSB 1"ϕ×3¾

28-HSB ⅞ϕ×2½

2⅞

4 4

0"

W.P. @ EL+144.4583

3/8

1'-5½

1'-5½

1/16

5'-0

HORIZONTAL

WORK LINE L15-L16

WP

FB15

9@3½" = 2'-7½"

9@3½" = 2'-7½"

1-PL 5G½×1"×5'-11 A517

MITER LINE

2

2'-6

1'-3

1'-3

1'-9

6@3½" = 1'-9

4½

2½

3

1'-7

1'-0

2'-3

1'-44

¾

10¾

10

3@4¾" = 1'-12¼

2½

(L16)

(R16)

4@4½" = 1'-6

5@3" = 1'-3

3¼

2¾

3¼

4

3¼

2¾

3¼

4

¾

1¾

15/16 ϕ

2'-8¾

1-FILL PL 26×1¼×1'-6¼ A588

4 4 3 3 4 4

SEC. "B-B" (IN PLANE OF CHORD L15-L16)

WP

WORK LINE L15-L16

0"

1'-6½

1'-3⅜

3⅜

1¼

EL+142.7187

1'-7½

EL+141.4583

5'-0

1/16

HORIZONTAL

4 4 3 3 4 4

3'-0 / 12

9⅜

2'-4⅜

SHOP BOLTS

AM21 { 56-HSB 1"ϕ×3½ }

FIELD BOLTS

84-HSB 1"ϕ×3½

24-HSB ⅞ϕ×2¾

22-HSB ⅞ϕ×5½

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. MAR 23 1970

POINT — L15

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

MATERIAL — AS NOTED
BOLTS — 1"ϕ U.N.
OPEN HOLES — 1⅛"ϕ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES — NO PAINT
WELDING — AS NOTED
PAINT

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

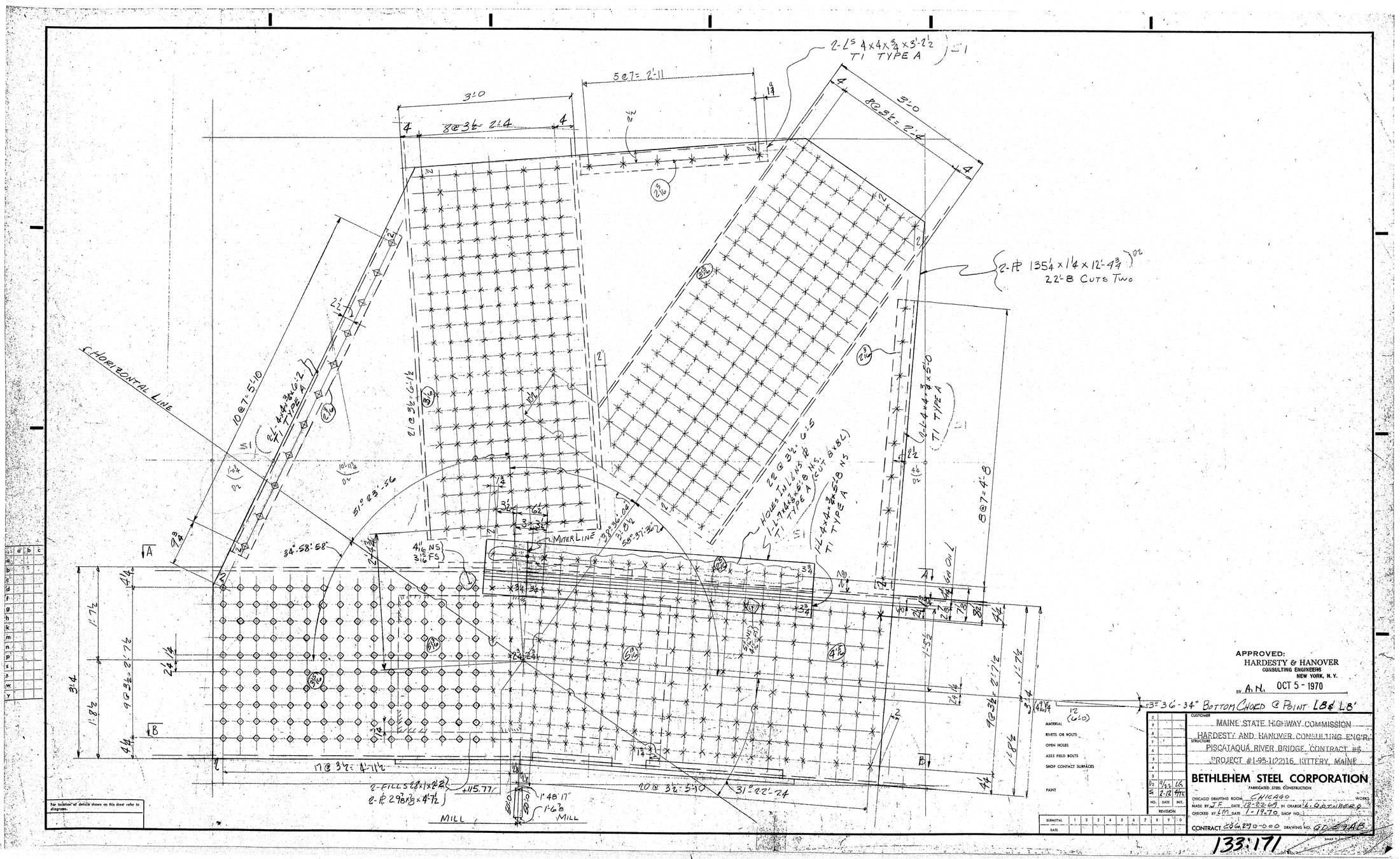
CUSTOMER: MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE: PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY W.B. DATE 12-23-69 IN CHARGE L.G.
CHECKED BY GAD DATE 1-26-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD58BB

133:[redacted]170

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. OCT 5 - 1970

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

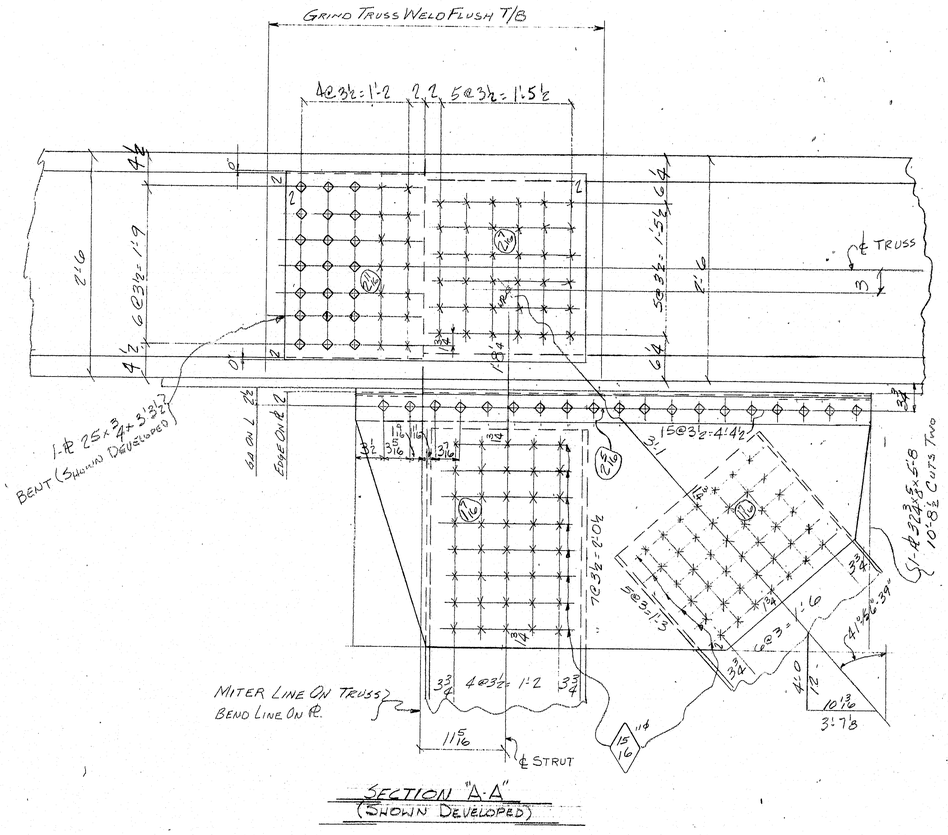
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

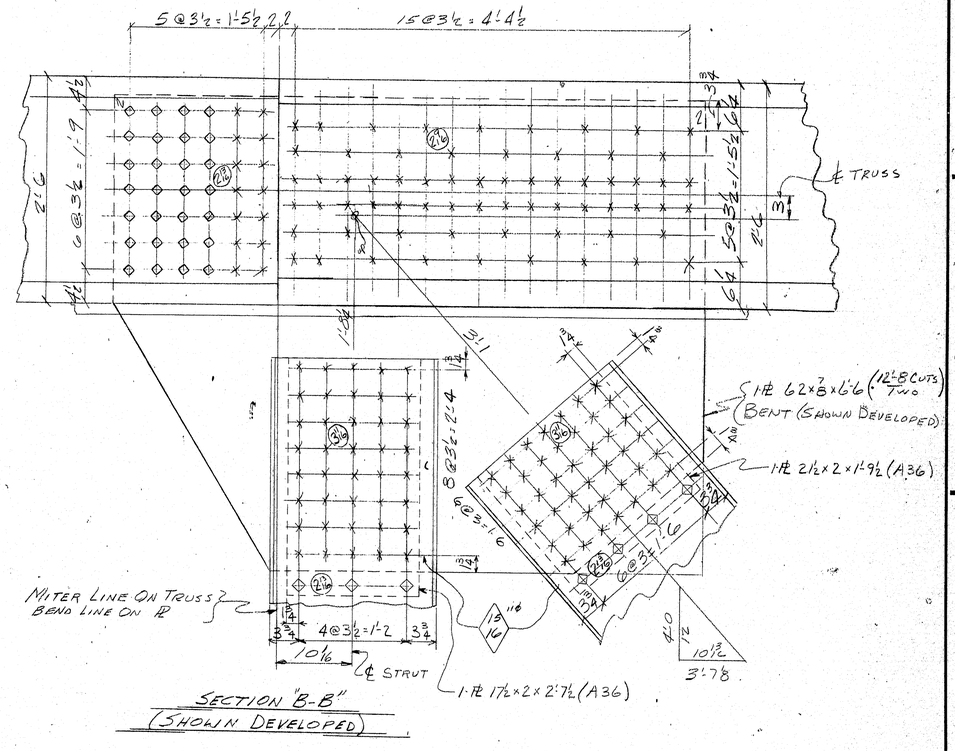
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JF DATE 12-22-69 IN CHARGE L. GOTTBERG
CHECKED BY EM DATE 1-19-70 SHOP NO.
CONTRACT 566290-000 DRAWING NO. GD-57AB

NO.	DATE	INIT.
D2	9/22	LG
S1	2-12	RHC

133:171

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX





SHOP BOLTS		FIELD BOLTS	
240 - HSB	1"x 5¼	414 - HSB	1"x 5¼
49 - HSB	1"x 4	180 - HSB	1"x 6¼
41 - HSB	1"x 3½	164 - HSB	1"x 7
7 - HSB	⅞"x 4	2 - HSB	1"x 6
80 - HSB	1"x 7	36 - HSB	1"x 3½
		98 - HSB	1"x 4
		102 - HSB	1"x 3¾
		378 - HSB	1"x 4¼
		82 - HSB	⅞"x 2½
		82 - HSB	⅞"x 4¾

BOLTS REQ'D FOR ONE MEMBER

BOLTS REQ'D FOR ONE MEMBER

NOTE:
GRIPS SHOWN INCLUDE 3/16" FOR EACH HARD WASHER

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY A.N. FEB 19 1970

BOTTOM CHORD @ POINT L8 & L8'

MATERIAL ASTM-A517 U.N.
BOLTS 1"ø HSB
OPEN HOLES 11/16" UN
A325 FIELD BOLTS 1"ø HSB U.N
SHOP CONTACT SURFACES
PAINT

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

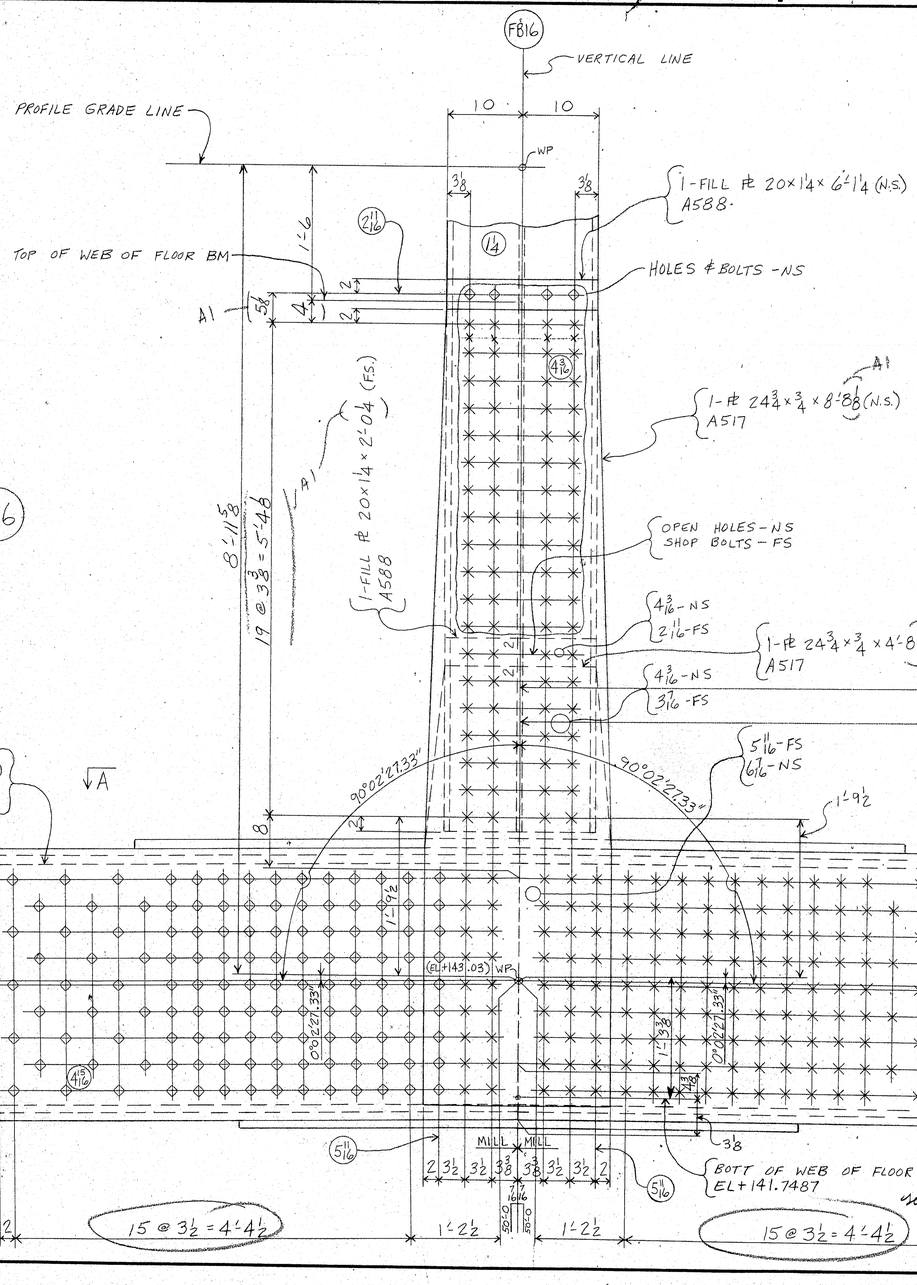
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY J.F. DATE 12-23-69 IN CHARGE L. GOTHBERG
CHECKED BY L.M. DATE 1-19-70 SHOP NO.
CONTRACT C&G290-000 DRAWING NO. GD.59B.B.

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

133:172

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



POINT - (L16)

SHOP BOLTS

8 - HSB 1Φ x 4	AM21*
234 - HSB 1Φ x 6 1/4	
18 - HSB 1Φ x 7	

FIELD BOLTS

234 - HSB 1Φ x 6 1/4
58 - HSB 1Φ x 7
32 - HSB 1Φ x 7 3/4
76 - HSB 1Φ x 5 1/2
24 - HSB 1Φ x 4 3/4

℄ OF NAVIGATION LIGHT @ WEST SIDE OF BRIDGE (L15'-L16') PLATFORM C

MATERIAL - AS NOTED
RIVETS OR BOLTS - 1" Φ
OPEN HOLES - 1 1/16 Φ
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

To Be Revised and Resubmitted for Approval
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N. Y.
BY A.N. MAY 28 1970

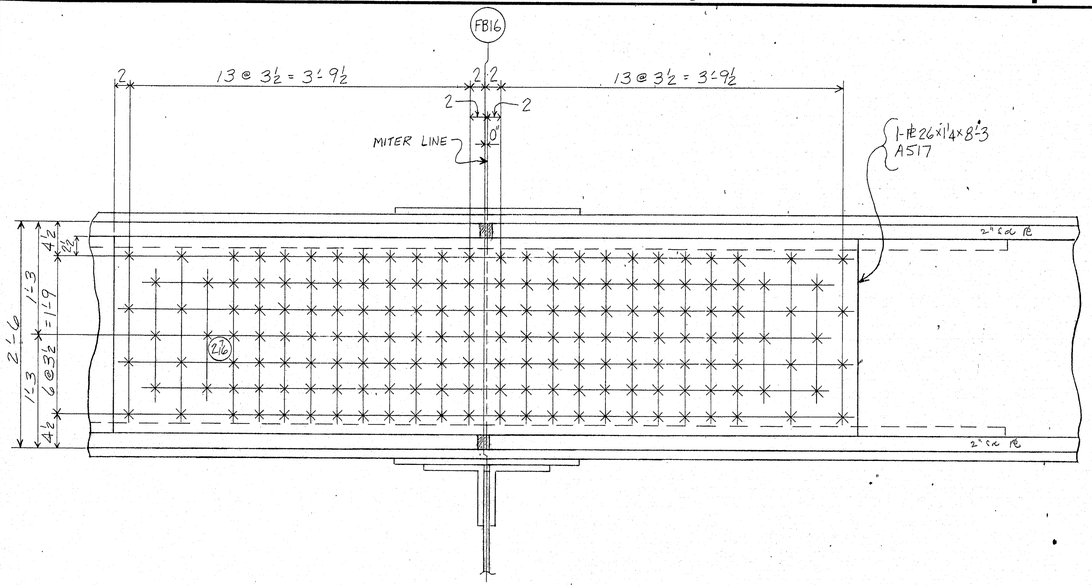
A2	4-16	A1 CD	
A1	A-1		
NO.	DATE	REVISION	INIT.

CUSTOMER: MAINE STATE HIGHWAY COMMISSION
STRUCTURE: HARDESTY AND HANOVER CONSULTING ENGRS
PISCATAQUA RIVER BRIDGE, CONTRACT #
PROJECT #1-35-1(22)16, KITTERY, MAINE
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 12-23-69 IN CHARGE L G
CHECKED BY CAD DATE 2-2-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD60AB

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

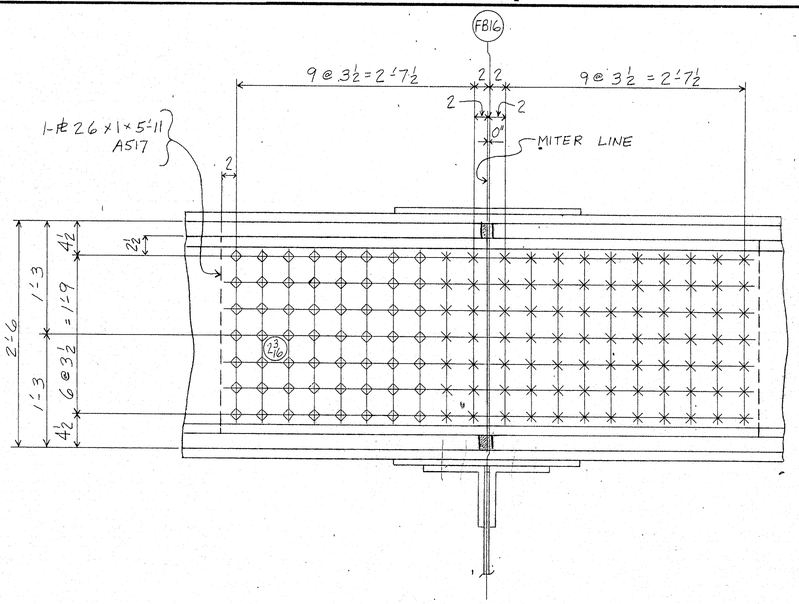
133:173

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



SEC. "A-A" (IN PLANE OF L15-L16)

FIELD BOLTS
168-HSB 1"ϕ x 3¾



SEC. "B-B" (IN PLANE OF L15-L16)

SHOP BOLTS
56 - HSB 1"ϕ x 3½ } AM21

FIELD BOLTS
84 - HSB 1"ϕ x 3½

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

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. MAR 23 1970

POINT - (L16)

MATERIAL - AS NOTED
RIVETS OR BOLTS - 1 ϕ U.N.
OPEN HOLES - 1/16 ϕ
A325 FIELD BOLTS -
SHOP CONTACT SURFACES - NO PAINT
PAINT

REVISION
NO. | DATE | INIT.

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 12-24-69 IN CHARGE LG
CHECKED BY CAO DATE 2-2-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD60BB

133:174

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX

HORIZONTAL

PROFILE GRADE LINE

TOP OF WEB ON F.B.

2-L 4×4×¾×6'-3½ T1 TYPE A

2-L 4×4×¾×6'-6¼ T1 TYPE A

40°23'30.13"

62°19'57.41"

27°04'01.80"

72°58'52.26"

2-PL 30×1"×5'-9½ A517

2-FILL PL 28×½×3'-0½ (MIE) A517

2-L 4×4×¾×11'-4¼ T1 TYPE A

PARALLEL TO L9-L10

2-PL 144¼×1¾×20'-2 A517 (36'-6 CUTS 2)

2-L 7×4×⅞×3'-6½ CUT 8×8L (T1)

2-L 7×4×⅞×3'-6½ CUT 8 (T1)

2-PL 36×1½×10'-7¼ A517

2-FILL PL'S 36×1¾×6'-1¾ A517

Show Holes in F.S. of Box

PARALLEL TO L9-L10

POINT - (L9)

POINT - (L9)

BOTT WEB OF F.B. EL+140.0987 MILL. LINE

WORK WITH SHEETS GD61BC & GD61CC

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

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

SHOP BOLTS

76 - HSB 1"×4
10 - HSB 1"×5½
A2-(45½)- HSB 1"×6¾
112 - HSB 1"×8

} AM21

FIELD BOLTS

494 - HSB 1"×5¾
92 - HSB 1"×4
96 - HSB 1"×4½
60 - HSB 1"×5
72 - HSB 1"×5½
332 - HSB 1"×6¾
437 - HSB 1"×7
12 - HSB 1"×7¾
105 - HSB 1"×8
A2-(30)- HSB 1"×8¾

To Be Revised and Resubmitted for Approval
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY A.N. MAR 19 1970

MATERIAL — AS NOTED
BOLTS — 1"ϕ
OPEN HOLES — 1⅛ϕ
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	REVISION
A2	3-9	CD
S1	2-13	3/70

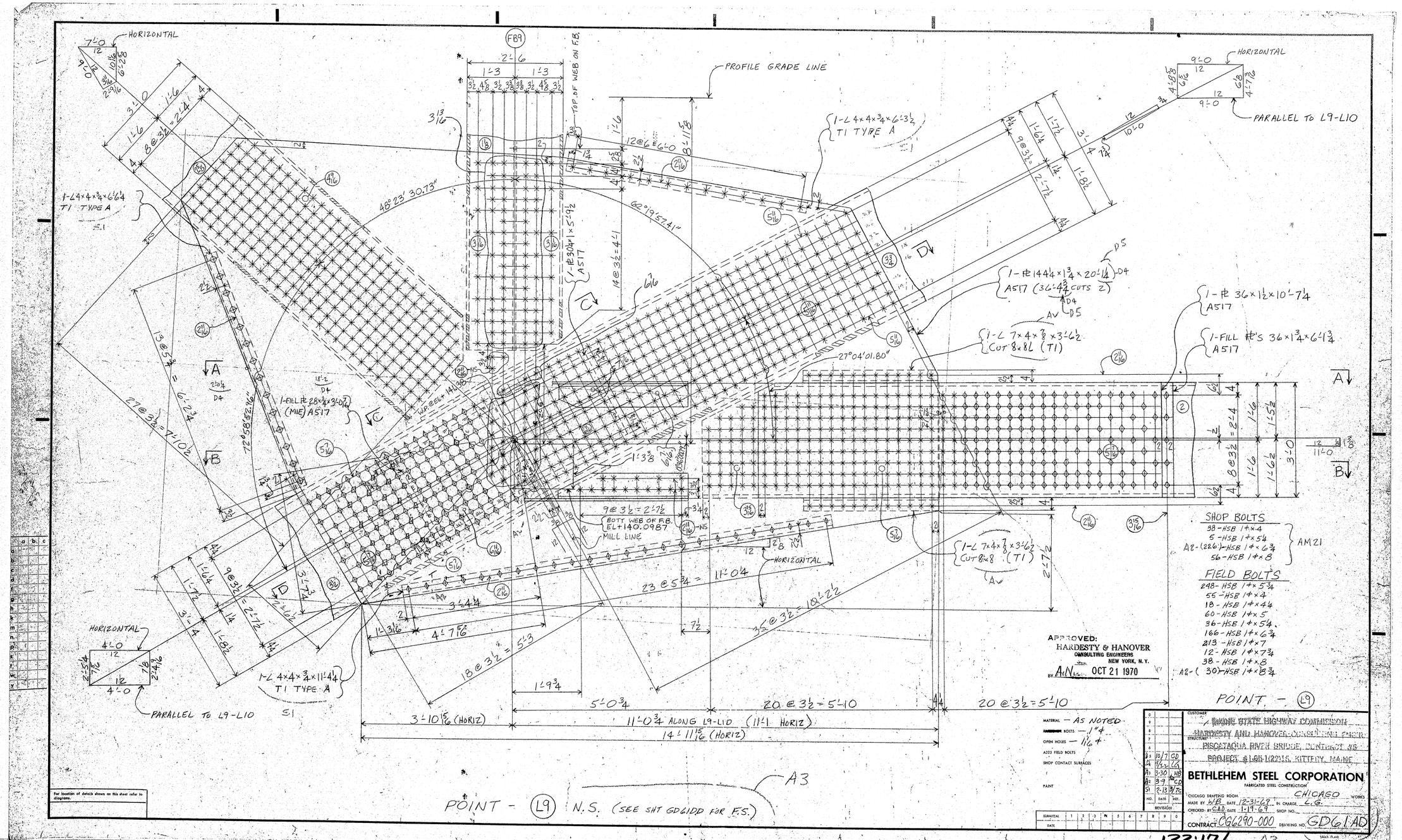
SUBMITTAL DATE 1 2 3 4 5 6 7 8 9 0

CUSTOMER: MAINE STATE HIGHWAY COMMISSION
STRUCTURE: HARDESTY AND HANOVER CONSULTING ENGINEERS
PISCATAQUA RIVER BRIDGE, CONTRACT #6
PROJECT #I-95-1(2)15, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY W.B. DATE 12-31-69 IN CHARGE L.G.
CHECKED BY G.A.D. DATE 1-19-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD61AC

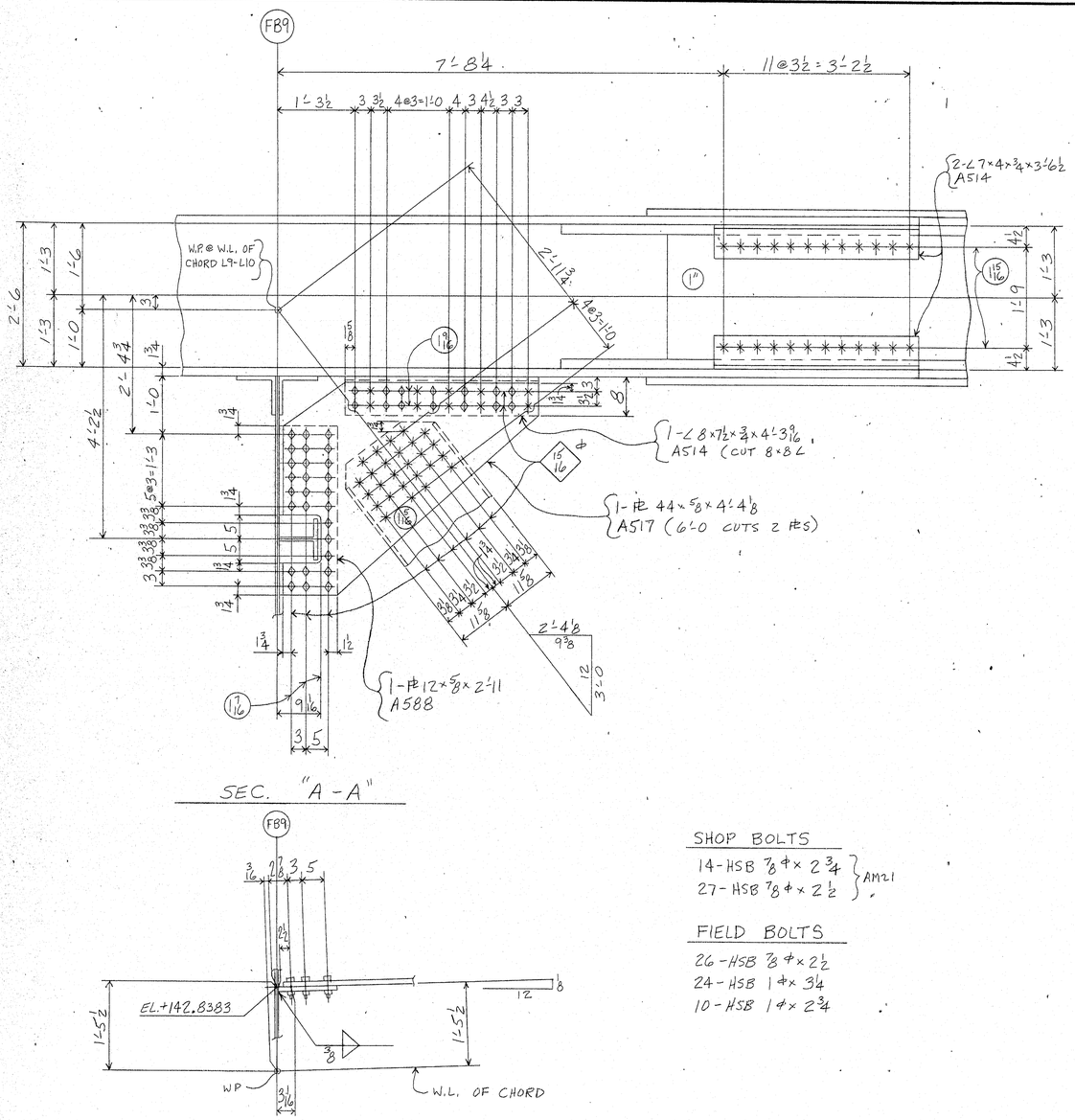
133:175

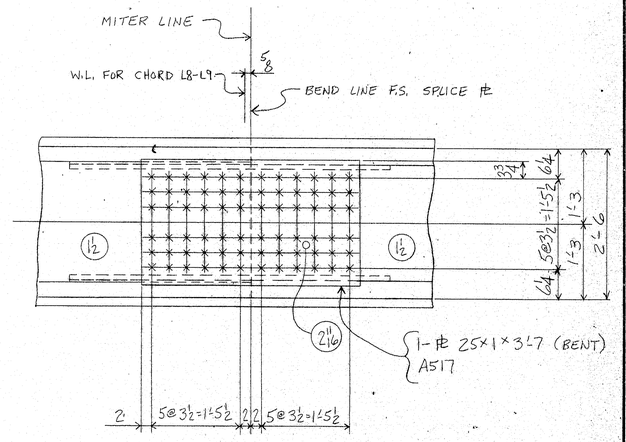
touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



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

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX





SEC. "C-C"

FIELD BOLTS

72-HSB 1"×4

SHOP BOLTS

14-HSB ⅞"×2¾ } AM21
27-HSB ⅞"×2½ }

FIELD BOLTS

26-HSB ⅞"×2½
24-HSB 1"×3¼
10-HSB 1"×2¾

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

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY A.N. FEB 19 1970

WORK WITH SHEETS GD61AC & GD61CC

POINT – (19)

MATERIAL – AS NOTED
BOLTS – 1" U.N.
OPEN HOLES – 1⅛" U.N.
A325 FIELD BOLTS – AS NOTED
SHOP CONTACT SURFACES – NO PAINT
PAINT

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

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

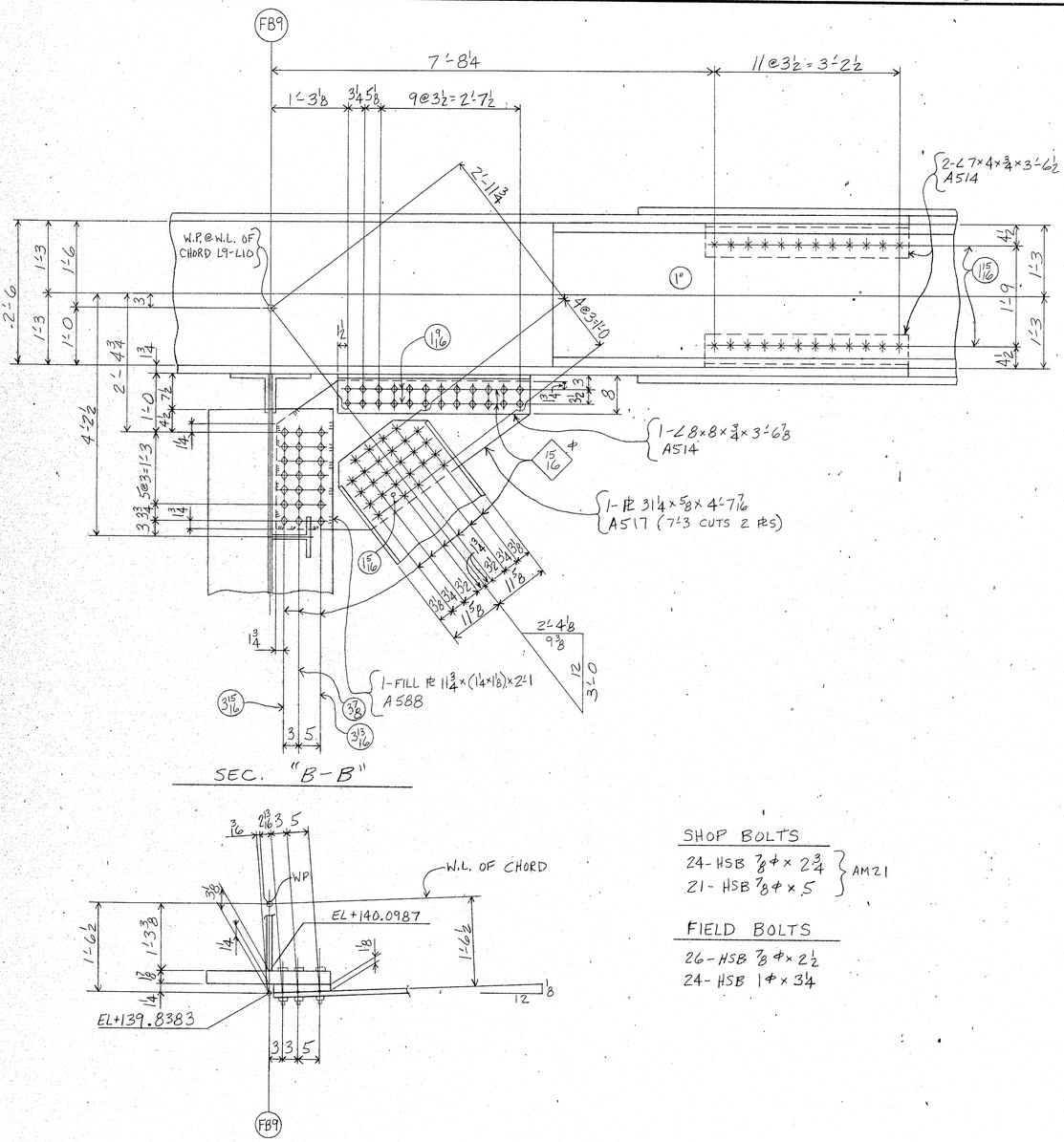
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 1-2-70 IN CHARGE L.G.
CHECKED BY C.A.D. DATE 1-19-70 SHOP NO.
CONTRACT CGG290-000 DRAWING NO. GD61BC

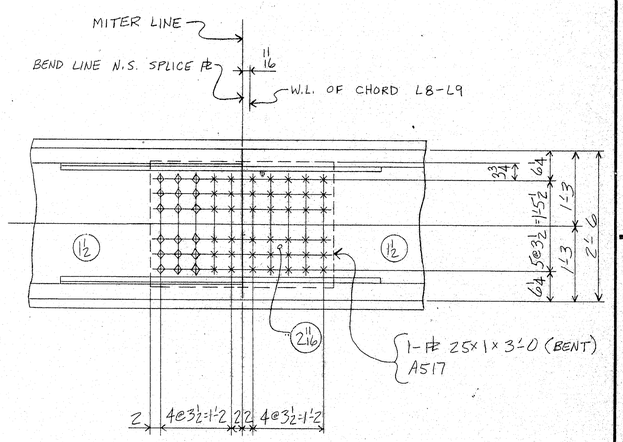
NO. | DATE | INIT. | REVISION

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

133:177

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX





SHOP BOLTS

18- HSB 1ϕ×4 } AM21

FIELD BOLTS

42- HSB 1ϕ×4

SHOP BOLTS

24- HSB ⅞ϕ×2¾
21- HSB ⅞ϕ×5 } AM21

FIELD BOLTS

26- HSB ⅞ϕ×2½
24- HSB 1ϕ×3¼

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y
BY A.N. FEB 19 1970

WORK WITH SHEETS GD61AC & GD61BC.

POINT — (L9)

MATERIAL — AS NOTED
BOLTS — 1ϕ U.N.
OPEN HOLES — 1⅛ϕ U.N.
A325 FIELD BOLTS — AS NOTED
SHOP CONTACT SURFACES — NO PAINT
PAINT

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
STRUCTURE
HARDESTY AND HANOVER CONSULTING ENG'R.
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 1-2-70 IN CHARGE L.G.
CHECKED BY CAD DATE 1-19-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD61CC

REVISION: NO. | DATE | INIT.

SUBMITTAL DATE

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

133:178

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX

FB9

PROFILE GRADE LINE

1-L 4×4×¾×6'-3½ T1 TYPE A

1-L 9×3½×⅝×6'-6½ T1 TYPE A

1-PL 30½×1×5'-9½ A517

1-PL 28×1×3'-0½ (MIE) A517

1-L 4×4×¾×11'-4½ T1 TYPE A

1-PL 14¼×1¾×20'-2 A517 (36'-6 CUTS 2)

1-L 7×4×⅞×3'-6½ CUT 8×8L (T1)

1-L 7×4×⅞×3'-6½ CUT 8×8 (T1)

1-PL 36×1½×10'-7¼ A517

1-FILL PL'S 36×1¾×6'-1¾ A517

1-L 4×4×¾×6'-3½ T1 TYPE A

HORIZONTAL

PARALLEL TO L9-L10

MILL LINE

48°23'30.73"

62°19'57.41"

27°04'01.80"

12°58'52.26"

SHOP BOLTS
8-ASB 1¼×8 } AM30

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. APR 21 1970

POINT - (L9)

POINT - (L9) F.S.

A325 SHOP BOLTS
98 - 1" x 4
5 - 1" x 5'4
215 - 1" x 3'4
64 - 1" x 8

A325 FIELD BOLTS
37 - 1" x 4
78 - 1" x 4'4
36 - 1" x 5'4
247 - 1" x 5'8
166 - 1" x 6'8
215 - 1" x 7
88 - 1" x 8

MATERIAL — AS NOTED
BOLTS — 1"ϕ
OPEN HOLES — 1⅛"ϕ
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

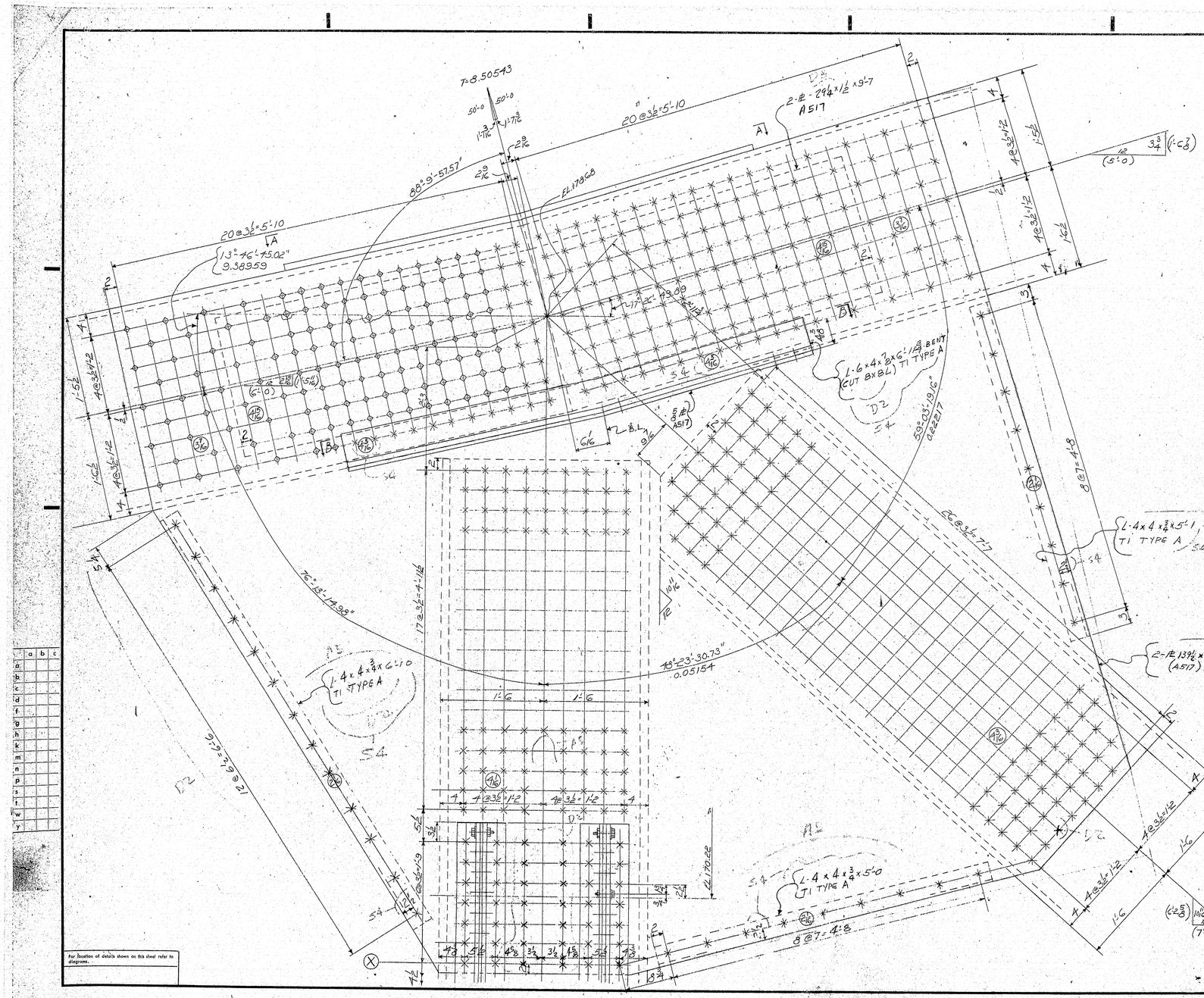
CUSTOMER: MAINE STATE HIGHWAY COMMISSION
STRUCTURE: HARDESTY AND HANOVER CONSULTING ENGR.
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1.95.1(22)15, KITTERY, MAINE
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 3-30-70 IN CHARGE L.G.
CHECKED BY LDS DATE SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD6100

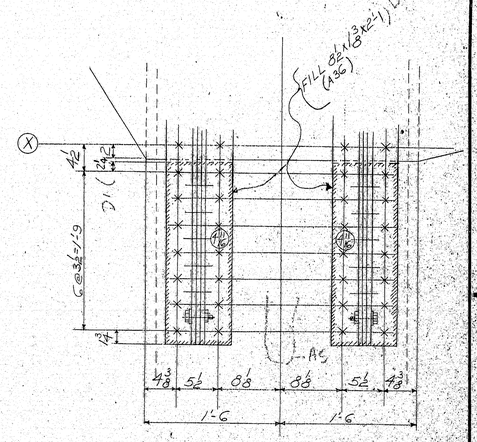
A1 3-30 WB
NO. DATE INIT.
REVISION

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

133:179 A1

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX





SHOP BOLTS

	GRIP	QTY.		
AM2P	3½	85	HSB⁵ 1"Ø x	4¾
	4½	176	HSB⁵ 1"Ø x	6¼

} FOR ONE

FIELD BOLTS

GRIP	QTY.		
4⅜	495	HSB⁵ 1"Ø x	5½
3½	106	HSB⁵ 1"Ø x	4¾
4½	232	HSB⁵ 1"Ø x	6¼
4½	372	HSB⁵ 1"Ø x	5¼
4½	56	HSB 1"Ø x	6
2½	62	HSB 1"Ø x	3¼

} FOR ONE

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

NOTE! BOLT GRIPS INCLUDE 1/2" FOR H-WASHERS FOR SECS A-A & B-B SEE SHT # GDG2AB

PANEL POINT - U8

NO.	DATE	REVISION
1	3-5	ET
S1	2-11	ET
2	2-9	ET
D2	1-28	ET
D1	1-27	ET

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

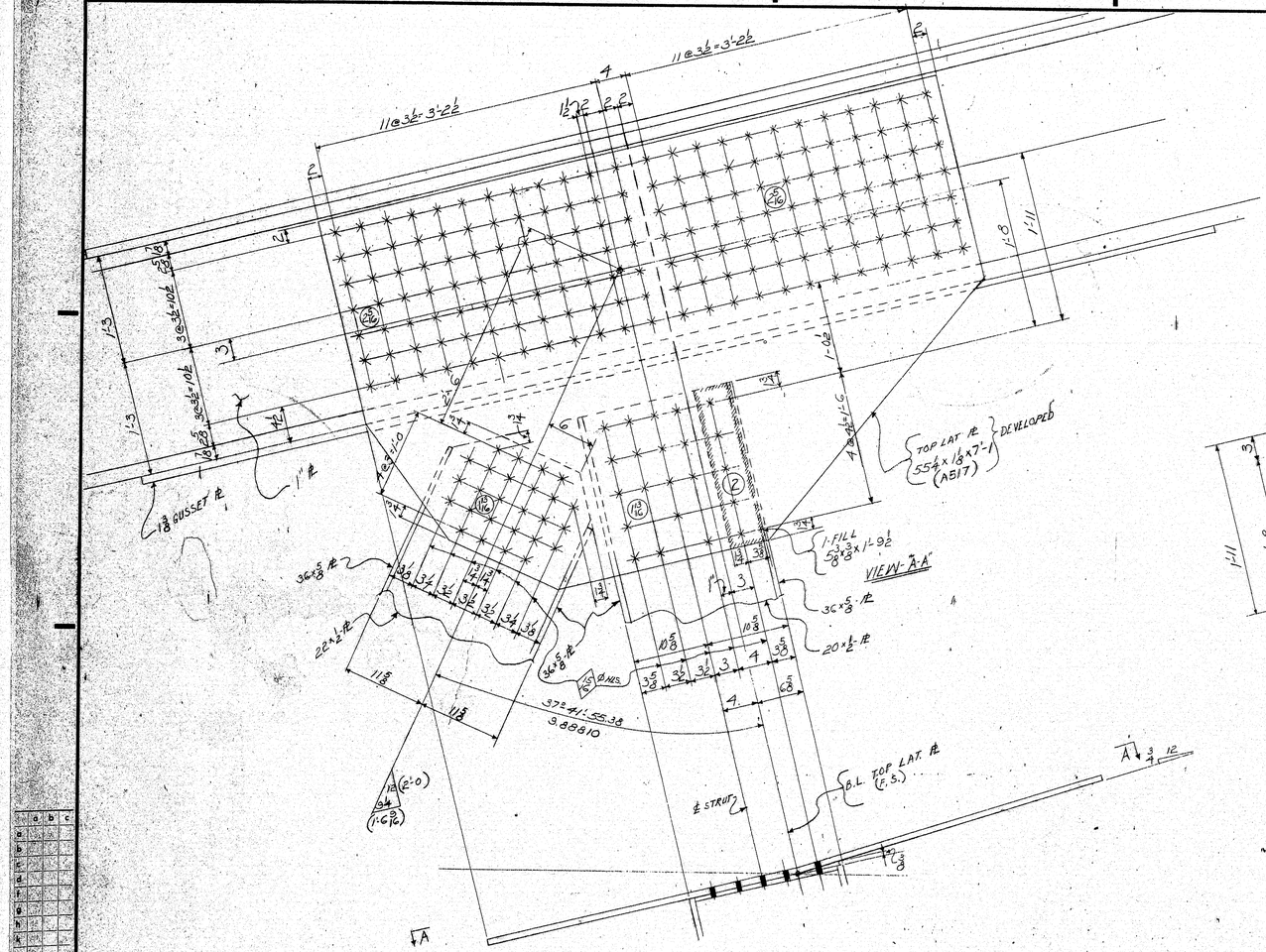
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

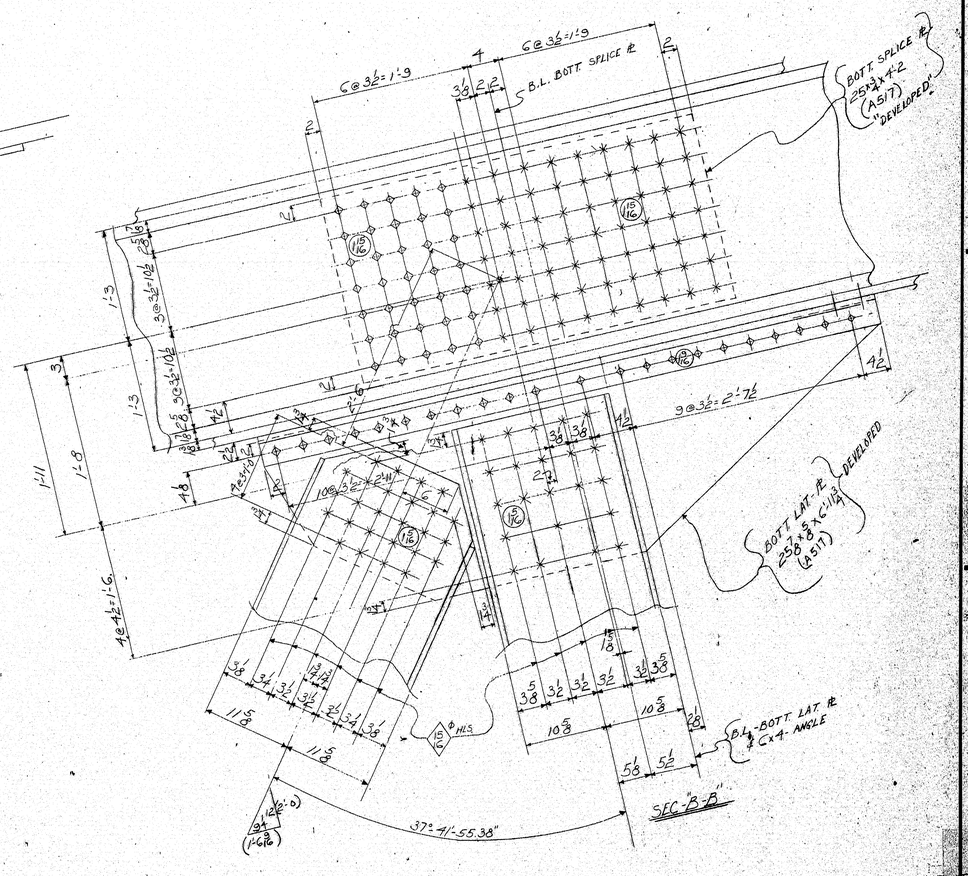
CHICAGO DRAFTING ROOM G2620 WORKS
MADE BY MC DATE 12-31-69 IN CHARGE LG
CHECKED BY ET DATE 1-27-70 SHOP NO.
CONTRACT 66290-000 DRAWING NO. GDG2AB

MAKE RUN

133:180

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX





NOTE!
BOLT GRIP! SHOWN BELOW INCLUDE 3/16" FOR H. WASHERS

SHOP BOLTS	GRIP	QTY.		FIELD BOLTS	GRIP	QTY.	
ANGLE	1 1/16	140	-HSB 1"ø x 3¼	2 1/16	C'12	192	-HSB 1"ø x 3½
	1 9/16	88	-HSB 1"ø x 2¾	1 5/16		252	-HSB 1"ø x 3¼
				1 1/16		172	-HSB ⅞"ø x 3
				2		20	-HSB ⅞"ø x 3
				1 5/16		192	-HSB ⅞"ø x 2½

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY J. Zarins FEB 20 1970

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

TOP & BOTT. LATERAL PLS @ POINT-B

MATERIAL - AST.M-A36 U.N.
BOLTS OR RIVETS - 1"ø
OPEN HOLES - 1 1/16"ø U.N.
A325 FIELD BOLTS -
SHOP CONTACT SURFACES -
PAINT -

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

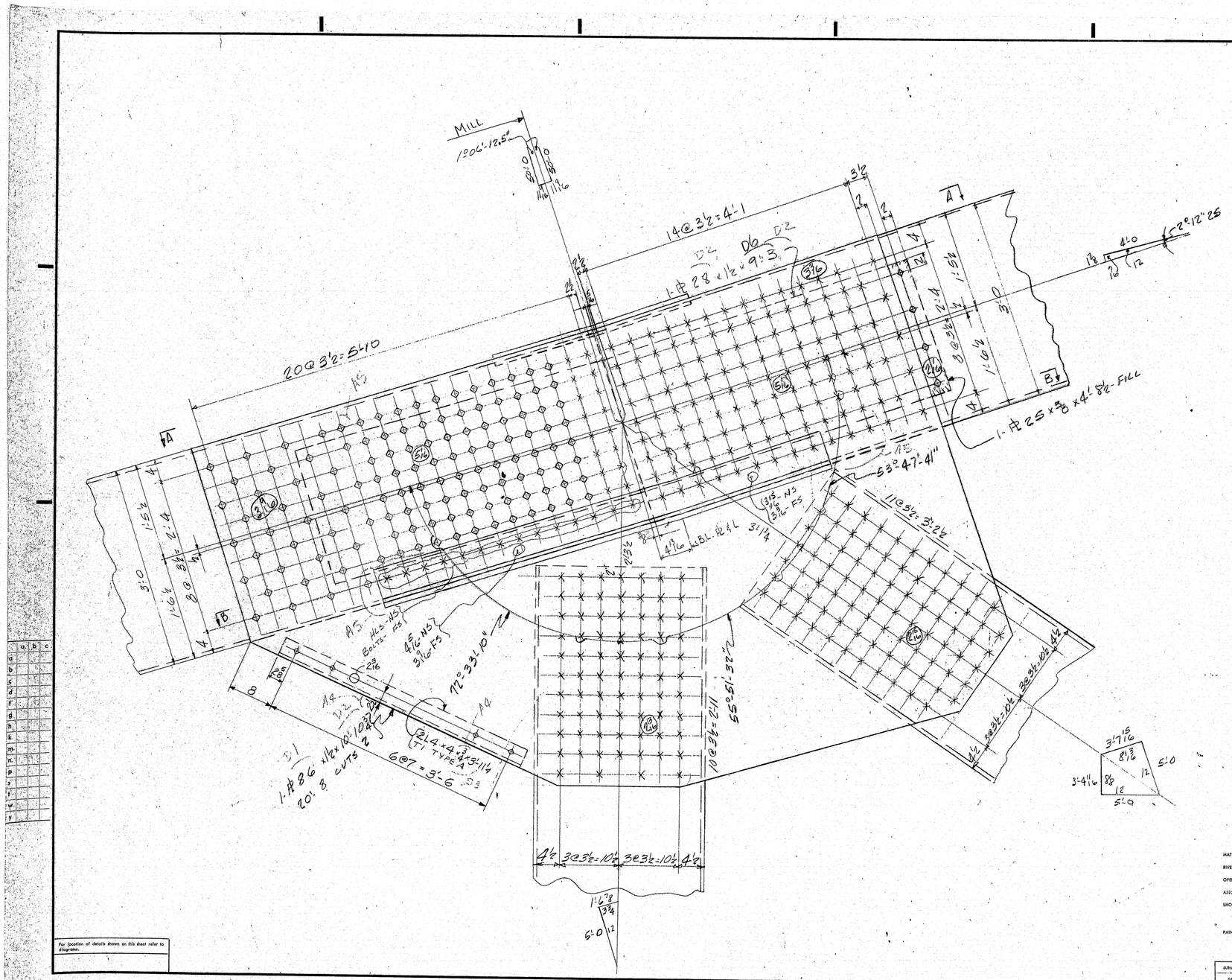
CHICAGO DRAFTING ROOM SHEO WORKS
MADE BY MV DATE 1-6-70 IN CHARGE L.G.
CHECKED BY ET DATE 1-19-70 SHOP NO.

CONTRACT 06C290-000 DRAWING NO. 6DG2BB

SUBMITTAL 1 2 3 4 5 6 7 8 9 0
DATE
REVISION NO. DATE INITY

133:181

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



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

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY SN JUL 14 1970

TOP CHORD @ POINT U9 & U9'

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

NO.	DATE	REVISION
9		
8		
7		
D1	7/7	SP
A1	4-11	EF
L1	3-6	EF
S1	2-11	TC
D2	2-9	EF
1	2-2	EF

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

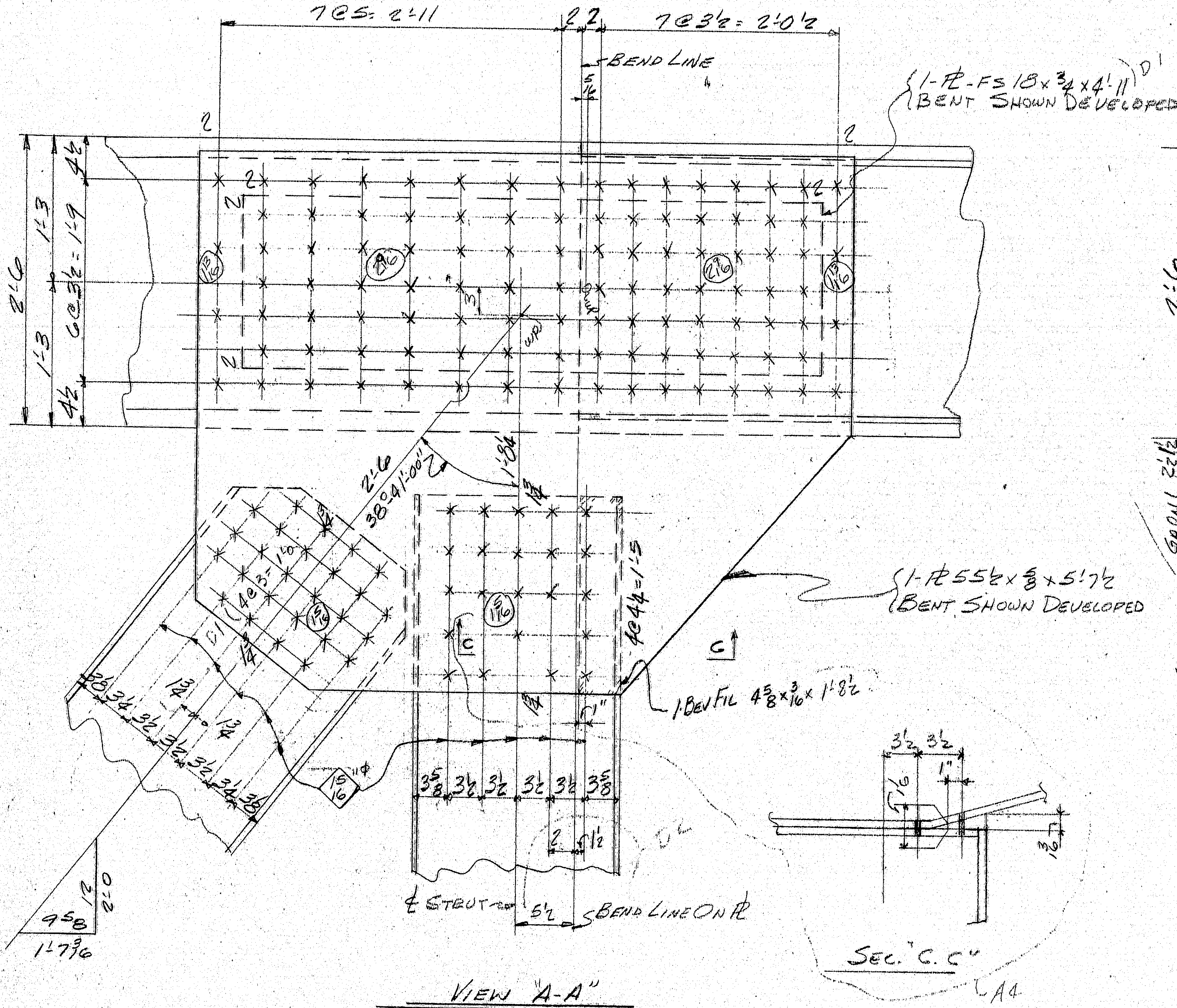
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
STRUCTURE
HARDESTY AND HANOVER CONSULTING ENGR.
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #195-1(22)15, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JE DATE 12-29-69 IN CHARGE L. GOTTHERER
CHECKED BY EF DATE 1-22-70 SHOP NO.
CONTRACT C66290-000 DRAWING NO. 60634B

133:182

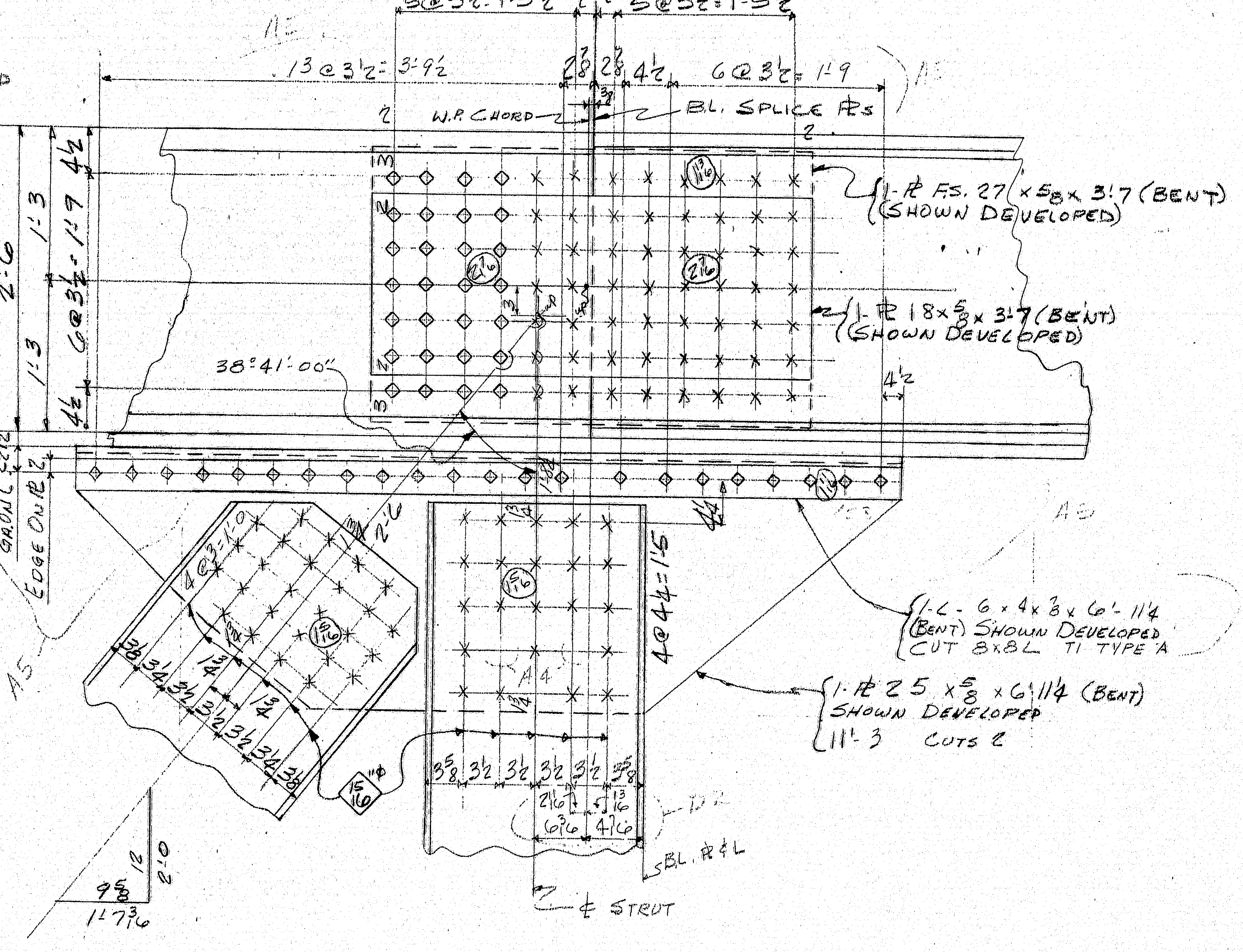
touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



VIEW "A-A"

SHOWN DEVELOPED

SEC. "C-C"



SECTION "B-B"

SHOWN DEVELOPED

A5

QTY REQD FOR ONE POINT

SHOP BOLTS
- 176 - HSB 1"Φ x 6¼
- 83 - HSB 1"Φ x 4¾
- 30 - HSB 1"Φ x 3
- 20 - HSB 1"Φ x 3¾
- 8 - HSB 1"Φ x 3¼
- 14 - HSB 1"Φ x 3½

AM21

FIELD BOLTS
- 226 - HSB - 1"Φ x 6¼
- A5 14 - HSB - 1"Φ x 5½
- 6 - HSB 1"Φ x 4¾
- 47 HSB 1"Φ x 4½
- A5 9 - HSB 1"Φ x 5¼
- 164 - HSB 1"Φ x 4¼
- 148 - HSB 1"Φ x 4
- 52 - HSB 1"Φ x 3
- 110 - HSB 1"Φ x 3¾
- 96 - HSB ⅞"Φ x 2½

QTY REQ'D FOR ONE POINT

NOTE
ALL GRIPS SHOWN
INCLUDE 3/16" FOR EACH
HARD WASHER

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

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY SN APR 28 1970

TOP CHORD U9 & U9'

MATERIAL ASTM A517-UN
RIVETS OR BOLTS 1"Φ UN
OPEN HOLES 1 1/16"Φ UN
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

0			
9			
8			
7			
6			
A5	4-18	7/ET	
A4	3-6	4/ET	
S3	2-11	3/TC	
D2	2-6	2/ET	
D1	2-3	3/ET	
NO.	DATE	INIT.	
REVISION			

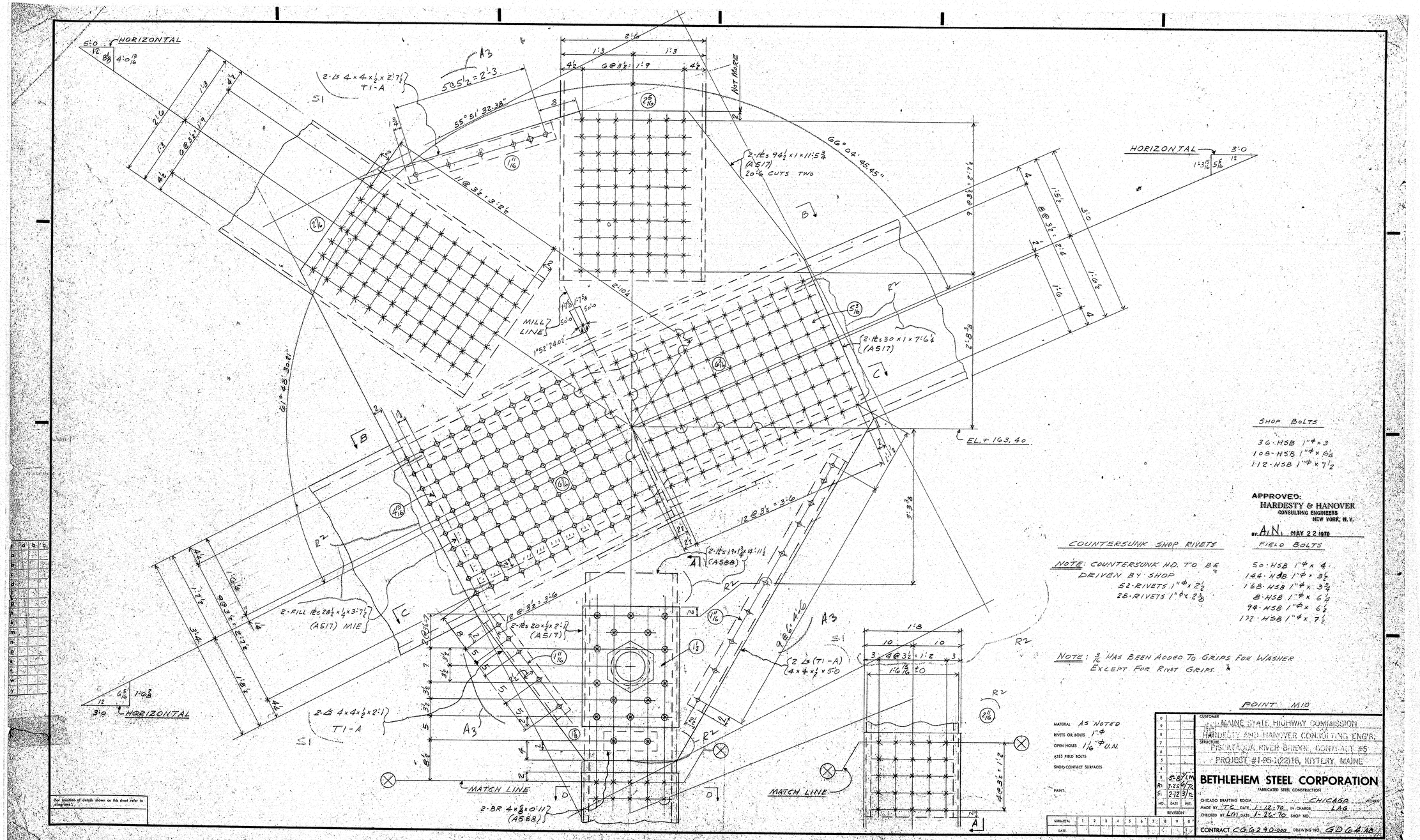
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 12-30-69 IN CHARGE L. GOTHBERG
CHECKED BY ET DATE 1-23-70 SHOP NO.
CONTRACT C46290-000 DRAWING NO. GD 63BB

133:183



SHOP BOLTS

36 - HSB 1"ϕ x 3
108 - HSB 1"ϕ x 6¼
112 - HSB 1"ϕ x 7½

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. MAY 22 1970

COUNTERSUNK SHOP RIVETS

NOTE: COUNTERSUNK HD. TO BE DRIVEN BY SHOP
52 - RIVETS 1"ϕ x 2½
28 - RIVETS 1"ϕ x 2⅜

FIELD BOLTS

50 - HSB 1"ϕ x 4
144 - HSB 1"ϕ x 3½
168 - HSB 1"ϕ x 3¾
8 - HSB 1"ϕ x 6¼
94 - HSB 1"ϕ x 6½
172 - HSB 1"ϕ x 7½

NOTE: 3/16" HAS BEEN ADDED TO GRIPS FOR WASHER EXCEPT FOR RIVET GRIPS.

POINT MIO

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

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

NO.	DATE	REV.
R1	5-8	LM
R2	9-25	GJC
S1	2-12	GJC

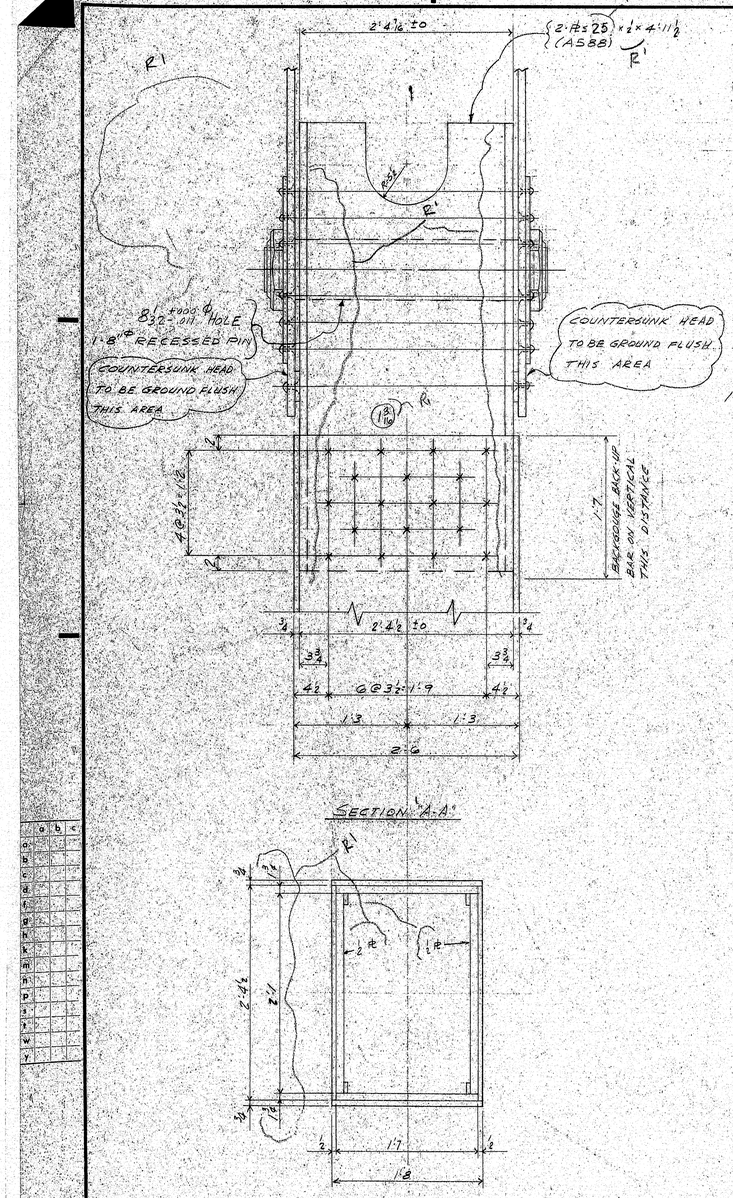
REVISIONS

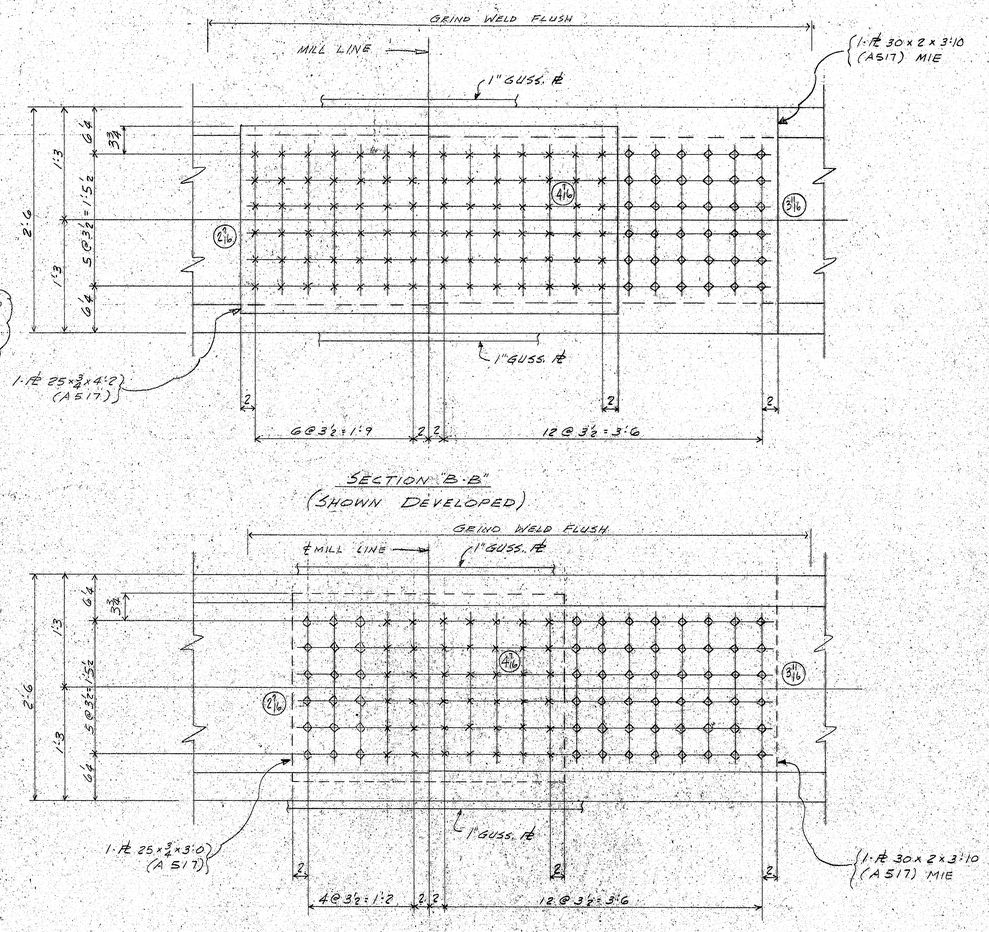
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENGR.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY TC DATE 1-12-70 IN CHARGE LAG
CHECKED BY LM DATE 1-26-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GDG4A5

133:184

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX





SECTION "B-B"
(SHOWN DEVELOPED)

SECTION "C-C"
(SHOWN DEVELOPED)

FIELD BOLTS	SHOP BOLTS
36-HSB1" ϕ x 2 1/2	18-HSB1" ϕ x 3 3/4
54-HSB1" ϕ x 3 3/4	84-HSB1" ϕ x 5
72-HSB1" ϕ x 5 1/4	

NOTE: 1/2 HAS BEEN ADDED TO GRIPS FOR WASHER

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. APR 21 1970

POINT M10

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

CUSTOMER: MAINE STATE HIGHWAY COMMISSION; HARDESTY AND HANOVER CONSULTING ENGRS.
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 TJC DATE 1-14-70 IN CHARGE LAG
CHECKED BY LM DATE 1-21-70 SHOP NO.
CONTRACT CG6290 DRAWING NO. GD.6488

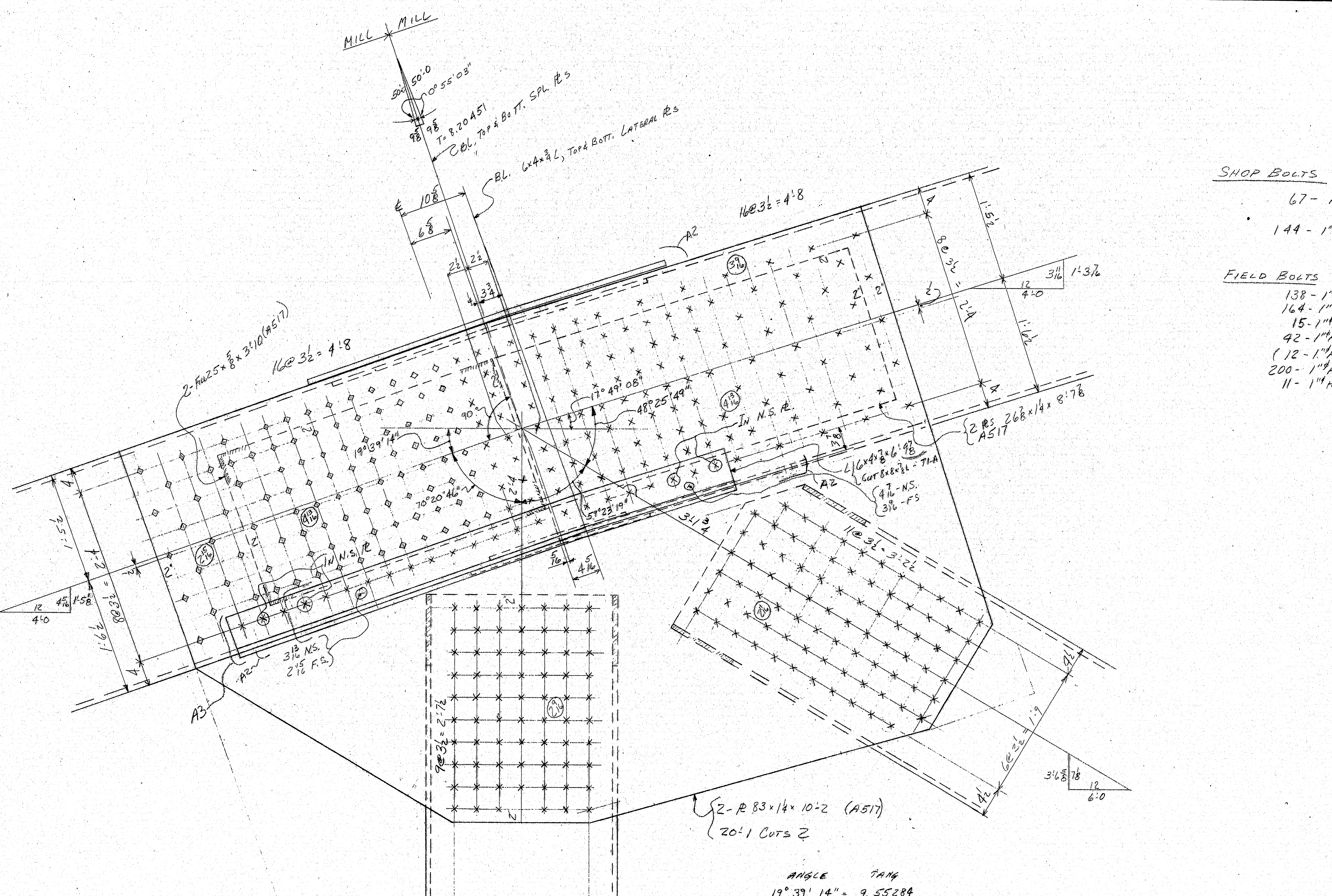
NO.	DATE	INIT.	REVISION
0			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
R1	3-25	MTC	

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

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

133:185

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



POINT U10

SHOP BOLTS

67 - 1"ϕ HSB × 4 1/4 } FOR ONE
144 - 1"ϕ HSB × 6 } ON AM 21

FIELD BOLTS

138 - 1"ϕ HSB × 3 3/4
164 - 1"ϕ HSB × 4
15 - 1"ϕ HSB × 4 1/4
42 - 1"ϕ HSB × 4 3/4
(12 - 1"ϕ HSB × 5
200 - 1"ϕ HSB × 6
11 - 1"ϕ HSB × 5 3/4

} FOR ONE

ANGLE	TANG
19° 39' 14" =	9.55284
48° 25' 49" =	0.05213
59° 23' 19" =	0.22792
70° 20' 46" =	0.44716

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. JUN 18 1970

POINT U10

	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.

MATERIAL AS NOTED
~~RIVETS~~ OR BOLTS 1"ϕ
OPEN HOLES 1 1/16
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		
A3	6-11	1/ET
A2	5-27	3/CM
1	2-20	3/ET

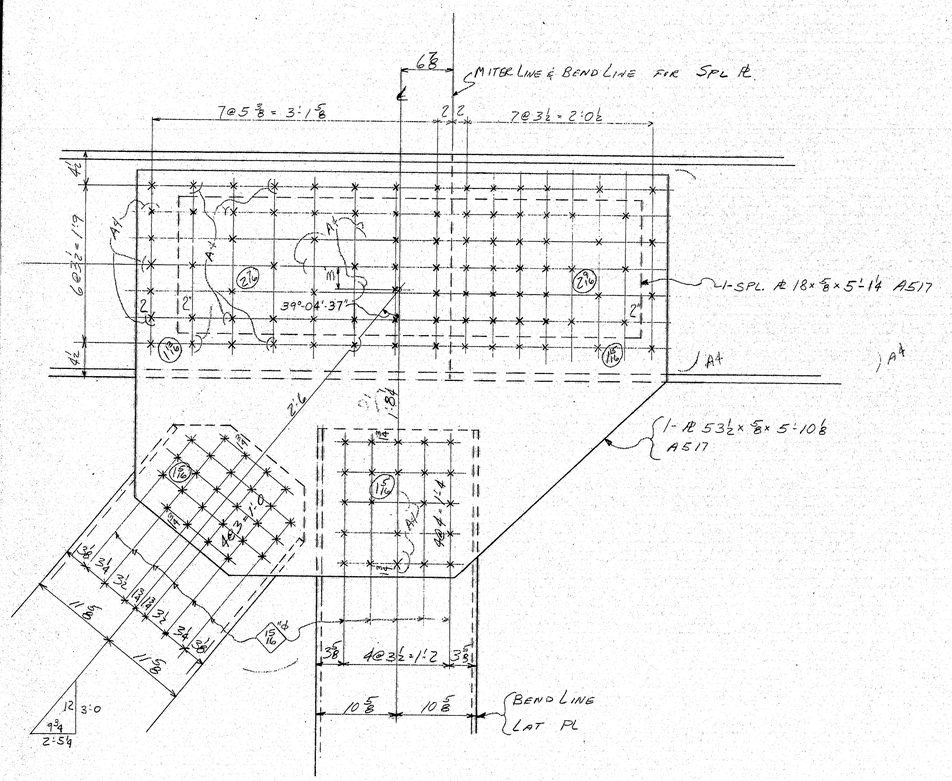
REVISION

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

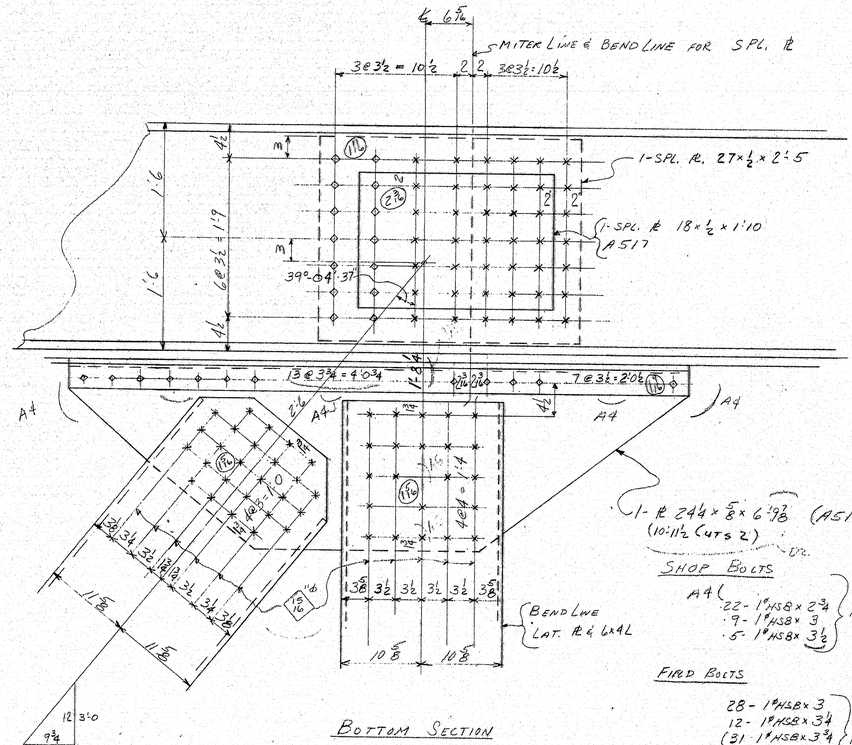
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY CPM DATE IN CHARGE L.A. GOTHBERG
CHECKED BY ET DATE 2-5-70 SHOP NO.
CONTRACT CG6290 DRAWING NO. GD 65AB

133:186



TOP VIEW



BOTTOM SECTION

SHOP BOLTS

A4 (
- 22 - 1" HSB x 2 3/4
- 9 - 1" HSB x 3
- 5 - 1" HSB x 3 1/2

) FOR ONE AM 21

FIELD BOLTS

- 28 - 1" HSB x 3
- 12 - 1" HSB x 3 1/4
- (31 - 1" HSB x 3 3/4
- 96 - 7/8" HSB x 2 1/2
- (25 1" HSB x 3 1/2

) FOR ONE

1- PL 244 x 5/8 x 6'-9 7/8 (A517)
(10 : 11 1/2 CUTS 2)

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. JUN 18 1970

PAINT U10

MATERIAL AS NOTED
BOLTS 1"ø
OPEN HOLES 1 1/16" U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

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

NO.	DATE	INIT.	REVISION
7			
6			
A5	6/11	JET	
A4	5/26	JET	
P3	2-20	JET	
P2	2-16	JET	
P1	2-11	JET	

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

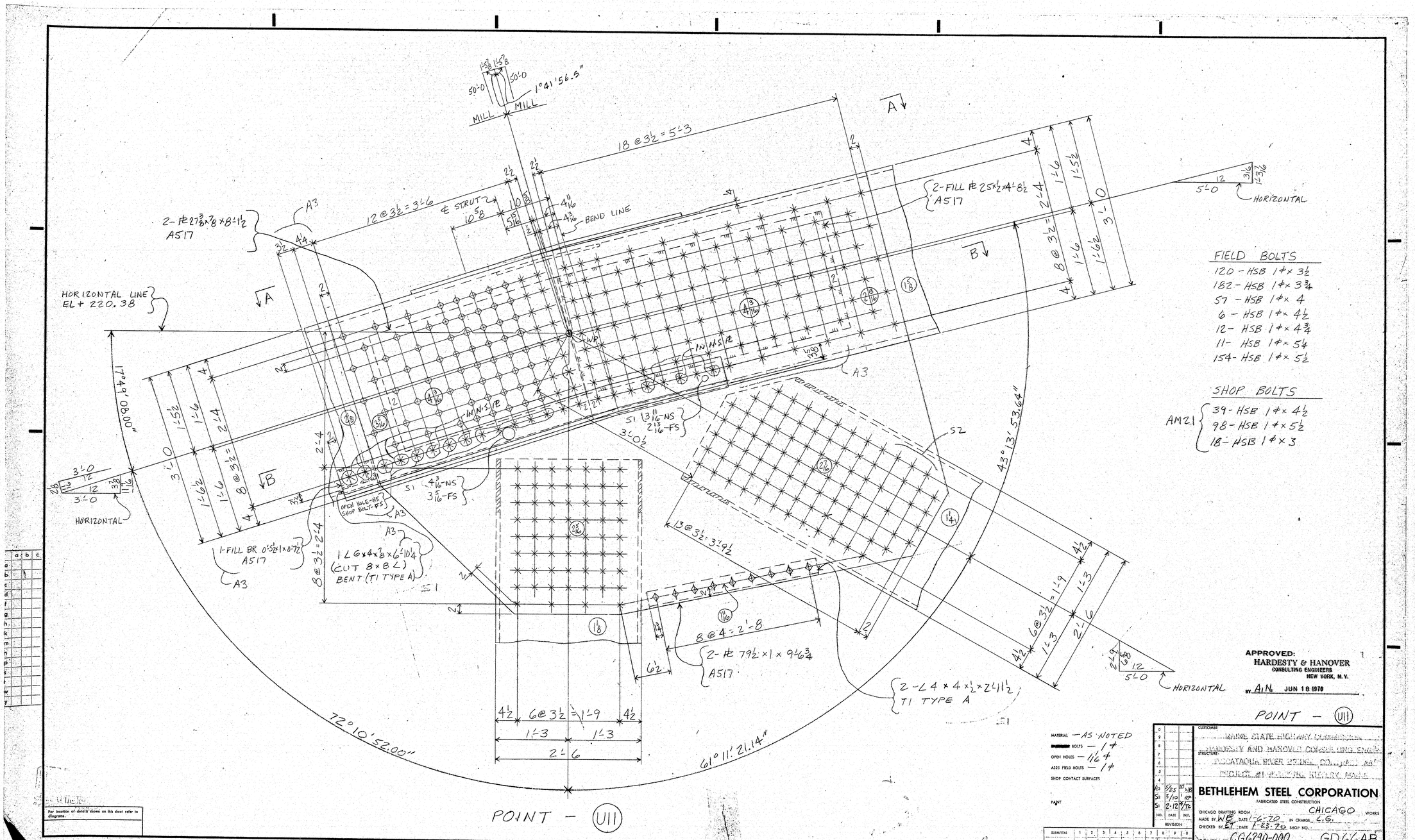
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'rs
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY EPM DATE IN CHARGE LA. GOTHBERG
CHECKED BY ET DATE 2-5-70 SHOP NO.
CONTRACT CG 6290 DRAWING NO. SPG5BB

133:187

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



FIELD BOLTS

120 - HSB 1# x 3½
182 - HSB 1# x 3¾
57 - HSB 1# x 4
6 - HSB 1# x 4½
12 - HSB 1# x 4¾
11 - HSB 1# x 5¼
154 - HSB 1# x 5½

SHOP BOLTS

AM21
39 - HSB 1# x 4½
98 - HSB 1# x 5½
18 - HSB 1# x 3

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. JUN 18 1970

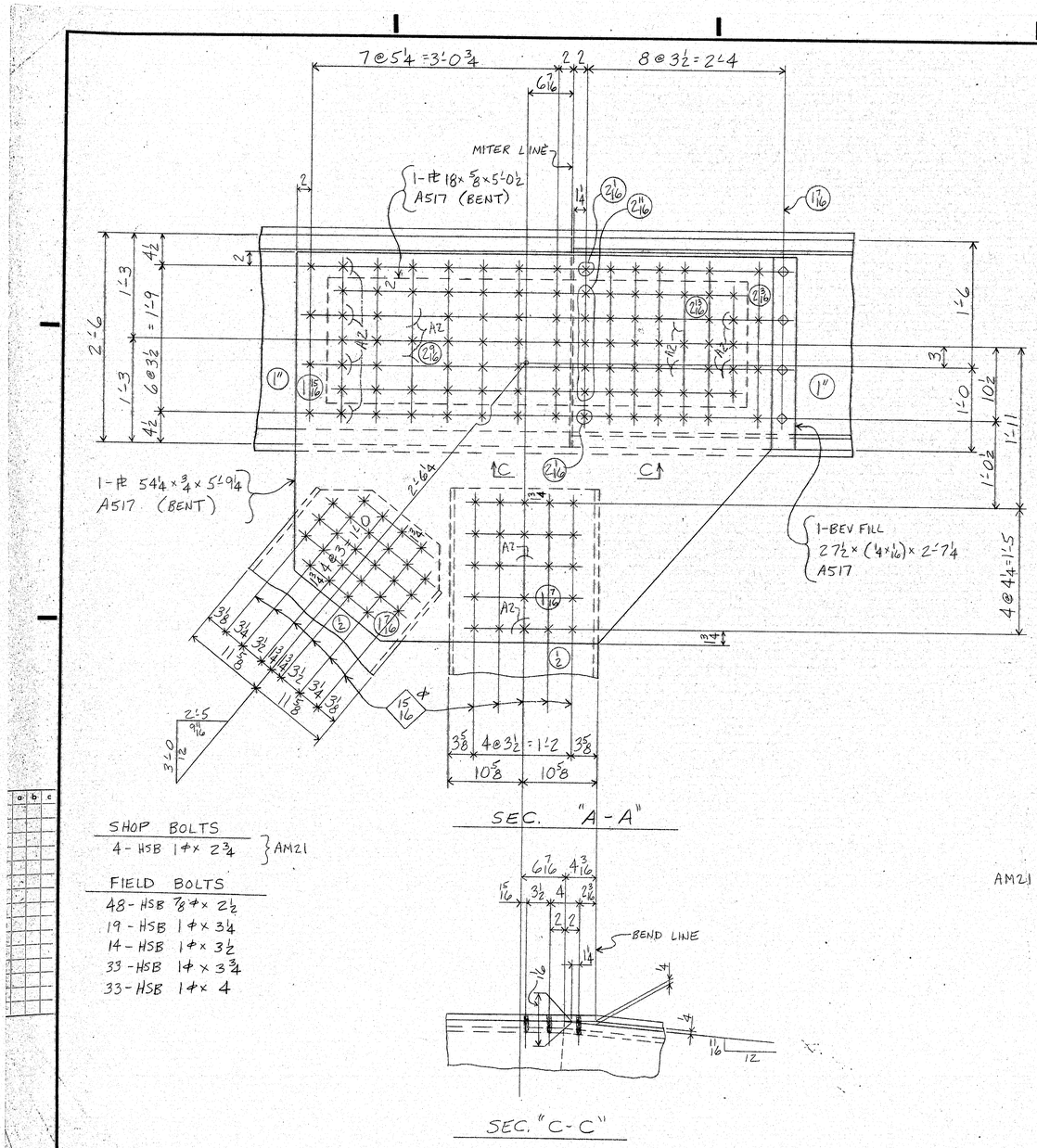
MATERIAL — AS NOTED
BOLTS — 1#
OPEN HOLES — 1/16"
A325 FIELD BOLTS — 1#
SHOP CONTACT SURFACES
PAINT

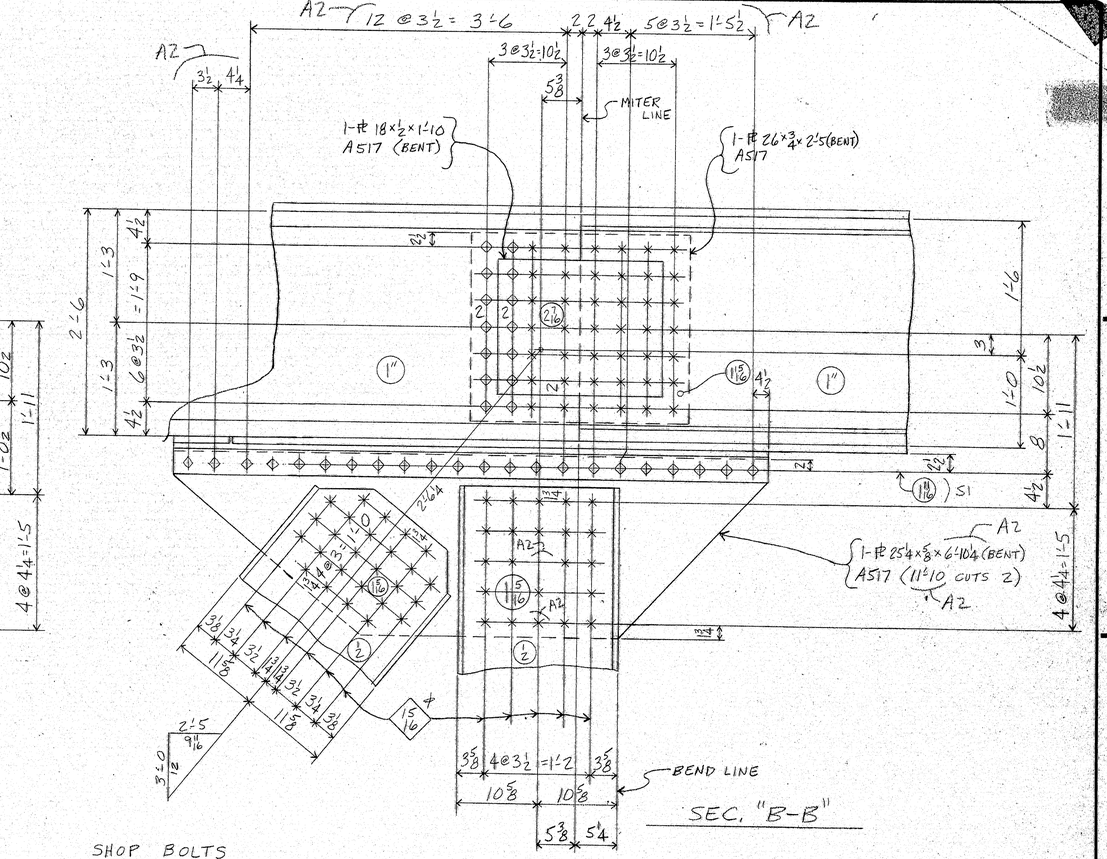
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WE DATE 12-7-70 IN CHARGE E.G.
CHECKED BY ST DATE 1-23-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD66AB

CUSTOMER MAINE STATE HIGHWAY DEPARTMENT
STRUCTURE HARDESTY AND HANOVER CONSULTING ENGRS. KENNEBEC RIVER BRIDGE, CO. (A.K.A. MP) AUGUSTA - HALLOWELL, MAINE

133:188

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX





SHOP BOLTS
4 - HSB 1 x 2¾ } AM21

FIELD BOLTS
48 - HSB ⅞ x 2½
19 - HSB 1 x 3¼
14 - HSB 1 x 3½
33 - HSB 1 x 3¾
33 - HSB 1 x 4

SHOP BOLTS
AM21 { 22 - HSB 1 x 3 } SI
9 - HSB 1 x 3¼
5 - HSB 1 x 3¾

FIELD BOLTS
17 - HSB 1 x 3¼
25 - HSB 1 x 3¾
48 - HSB ⅞ x 2½

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

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. JUN 18 1970

POINT — (VII)

MATERIAL — AS NOTED
RIVETS OR BOLTS — 1" & U.N.
OPEN HOLES — 1/16 & U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.	REVISION
A2	5/25	JB	
S1	2-12	4/12	

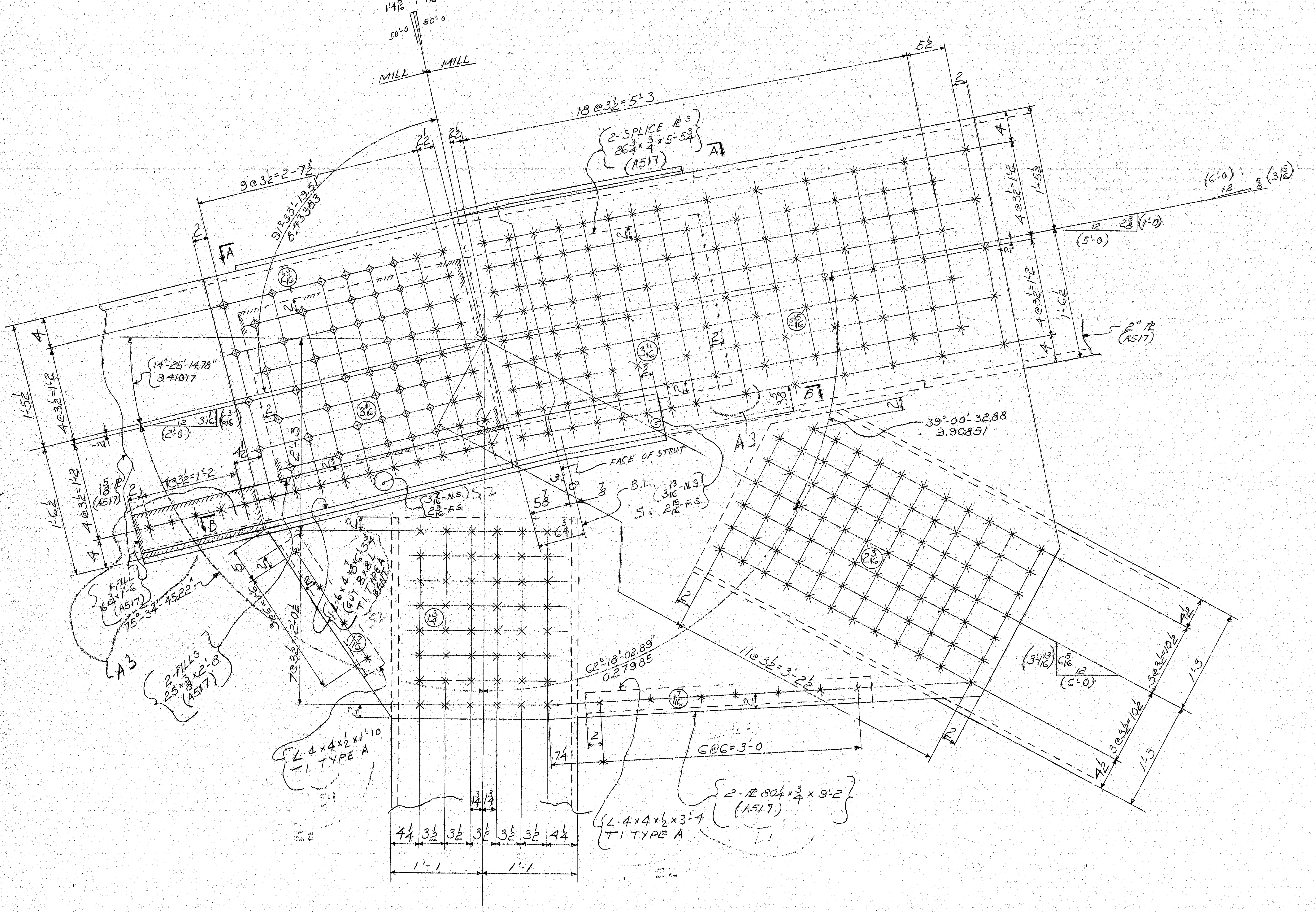
SUBMITTAL 1 2 3 4 5 6 7 8 9 0
DATE

CUSTOMER
NEW YORK STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENGR.
STRUCTURE
ADIRONDACK RIVER BRIDGE, CONTRACT 45
ROUTE 8 - MISCELLANEOUS STRUCTURES

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY NE DATE 1-8-70 IN CHARGE LG
CHECKED BY EZ DATE 1-23-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD66BB

133:188

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



SHOP BOLTS

	GRIP		QTY.		
AM21	2 9/16	-	24	- HSB, 1"ϕ × 3¾	FOR ONE
	3 11/16	-	70	- HSB 1"ϕ × 5	

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HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY A.N. JUN 18 1970

FIELD BOLTS

GRIP		QTY.		
2 9/16	-	6	- 1"ϕ × 3¾	FOR ONE
3 11/16	-	136	- 1"ϕ × 5	
1¾	-	96	- 1"ϕ × 3	
2 3/16	-	166	- 1"ϕ × 3½	
2 15/16	-	123	- 1"ϕ × 4¼	
3 7/16	-	11	- 1"ϕ × 4¾	
1 7/16	-	20	- 1"ϕ × 2¾	

NOTE!

BOLT GRIPS SHOWN ABOVE INCLUDE 3/16" FOR H-WASHERS

FOR VIEW "A-A" & SEC: "B-B" SEE SHT.# GDG7BB

PANEL POINT - U12

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT
} SEE SHT. GDG7BB

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

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
A3	6/11	3/ET
S2	2-12	7/TC
D1	2-3	2/ET

REVISION

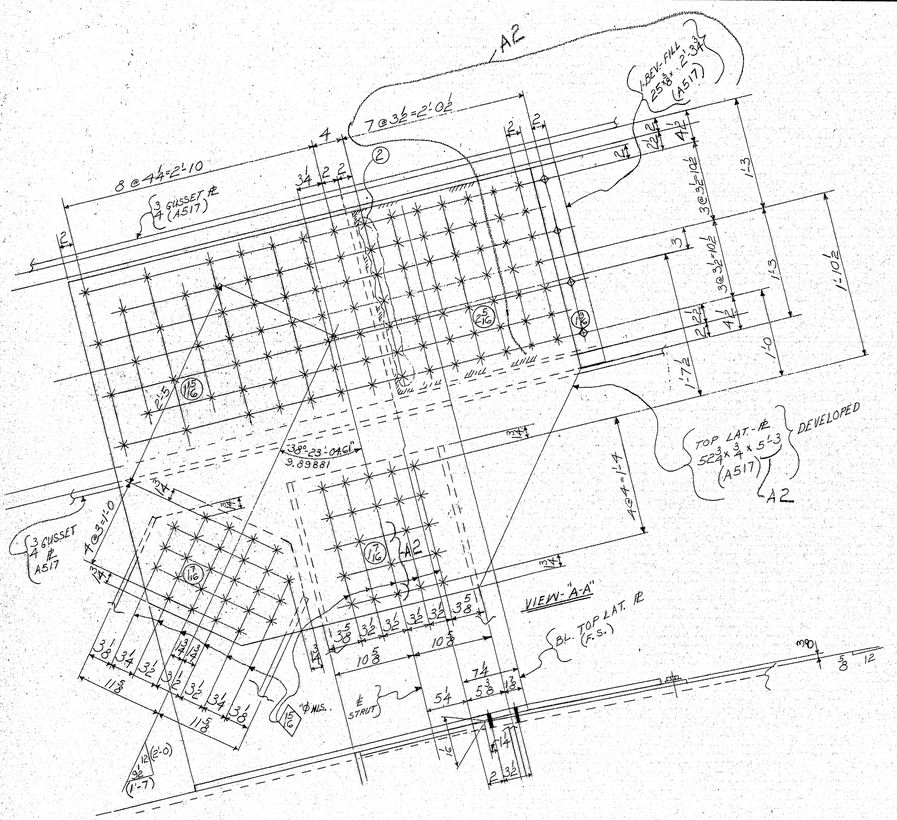
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

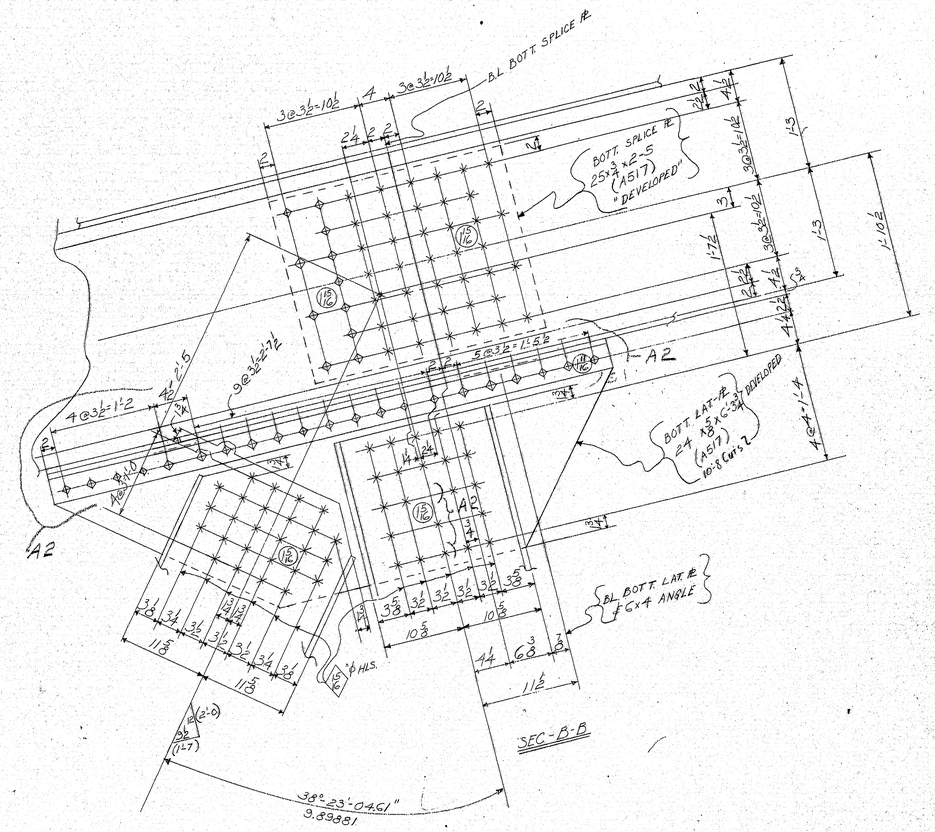
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO. WORKS
MADE BY 7B DATE 1-9-70 IN CHARGE L.G.
CHECKED BY ET DATE 1-23-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GDG7AB

133:189





NOTE!
BOLT GRIPS SHOWN BELOW INCLUDE 1/2" FOR 'H' WASHERS

	Shop Bolts		Field Bolts	
	GRIP	QTY	GRIP	QTY
FOR ONE AM21	1 1/2	11 - HSB^S 1"ϕ x 3 1/4	1 15/16	95 - HSB^S 1"ϕ x 3 1/4
	1 3/16	4 - HSB^S 1"ϕ x 2 3/4	2 1/16	42 - HSB^S 1"ϕ x 3 1/2
	1 1/16	21 - HSB 1"ϕ x 3	1 1/16	48 - HSB $\frac{7}{8}$"ϕ x 2 1/2
			1 5/16	48 - HSB $\frac{7}{8}$"ϕ x 2 1/2

FOR ONE

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

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. JUN 18 1970

TOP & BOTT LATERAL LS @ POINT U12

MATERIAL - AS NOTED
BOLTS 1"ϕ
OPEN HOLES - 1/16"ϕ U.N
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

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

NO.	DATE	BY	REVISION
A1	6/11	GT	
S1	2-13	JTC	

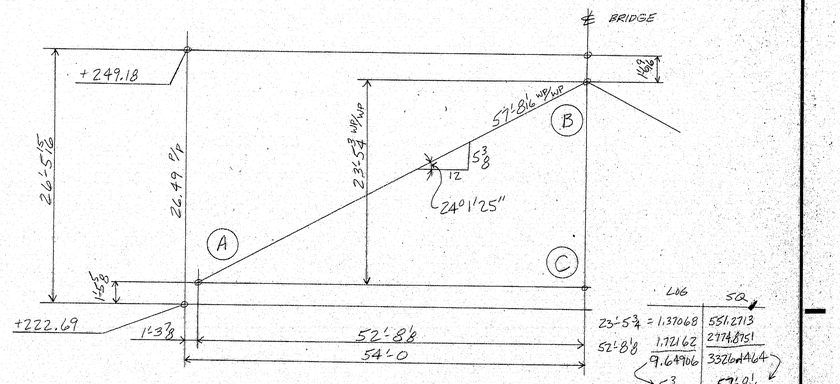
CUSTOMER: MAINE STATE HIGHWAY COMMISSION
STRUCTURE: HARDESTY, AND HANOVER CONSULTING ENG'R
FISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO WORKS
MADE BY MP DATE 1-13-70 IN CHARGE L.G.
CHECKED BY GT DATE 1-23-70 SHOP NO.
CONTRACT CGC290-000 DRAWING NO. GDG788

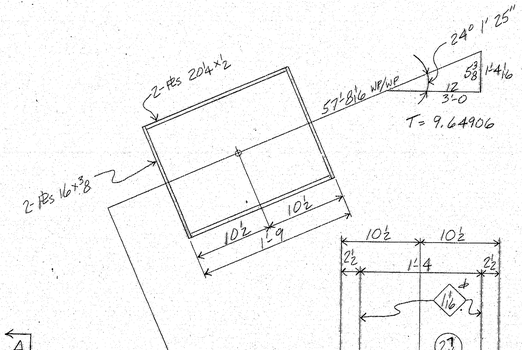
133:190

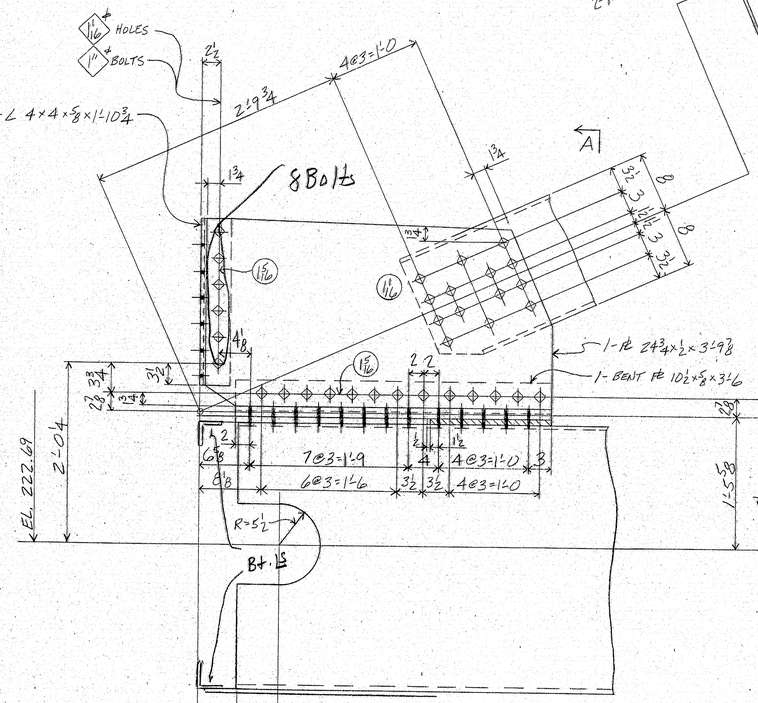
touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX

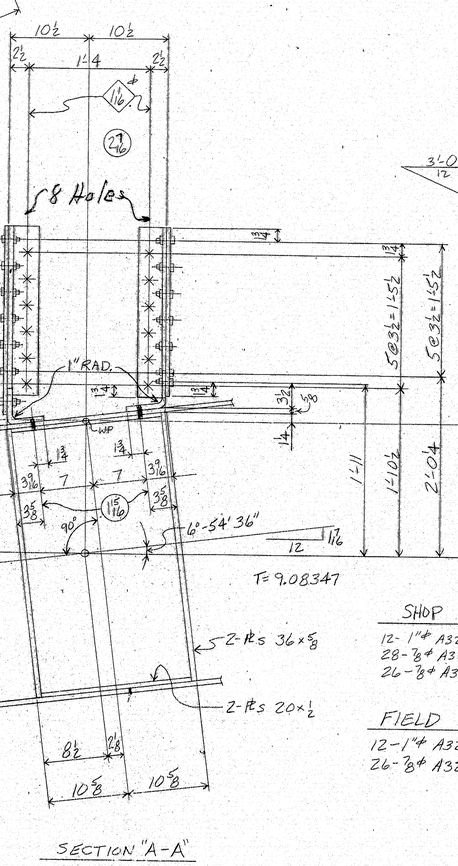


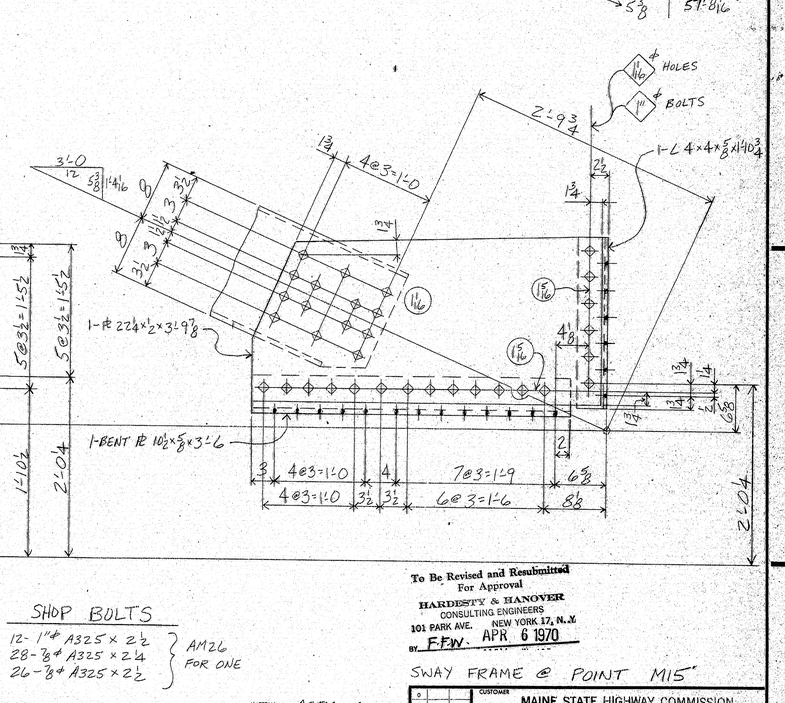
LOG	SQ
23'-5 3/4 = 1.37068	551.2713
52'-8 1/8	1.72162	2774.8751
	9.64906	3326.4464

5 3/8 → 57'-8 1/16









SHOP BOLTS

12- 1" ϕ A325 x 2 1/2
28- 7/8" ϕ A325 x 2 1/4
26- 7/8" ϕ A325 x 2 1/2
} AM26 FOR ONE

FIELD BOLTS

12- 1" ϕ A325 x 3 3/4
26- 7/8" ϕ A325 x 3

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

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 F.F.W. APR 6 1970

SWAY FRAME @ POINT M15'

NO.	DATE	INIT.	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 1-7-70 IN CHARGE E.G.
CHECKED BY LM DATE 3-13-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD68AE

24663 (1-65)

133:191

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX

℄ TRUSS VERTICAL.

BEND LINE

PARALLEL

HORIZONTAL

W.P.

1" RAD.

W.P. ON BENT B

EL 247.18

2:4

4@3=1:0

12 ALT SPA @ 3½=3:3

24°1'25"

65°58'35"

12 5:8 14½ 3:0

1-PL 8½x⅝x2'-10½ (BENT)

1-PL 26x½x7'-7

2-PL 11x⅞x7'-7 (BENT)

5@3=1'-3

12@3½=3'-6

6@3'-1⅛

10½ 10½

B

SHOP BOLTS
25-⅞ϕ A325 x 2½ } AM26 FOR ONE

FIELD BOLTS
14-⅞ϕ A325x 2½
14-⅞ϕ A325x 2¼

SHOP BOLTS
26-⅞ϕ A325x2½
12-⅞ϕ A325x2½ } AM26 FOR ONE
FIELD BOLTS
14-⅞ϕ A325x2¼
14-⅞ϕ A325x2¼

SYMM ℄ PROJECT

2-PL 8x½

2-PL 20x⅜

SYMM ℄ PROJECT

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

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY F.F.W. APR 6 1970

SWAY FRAME @ U15

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

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

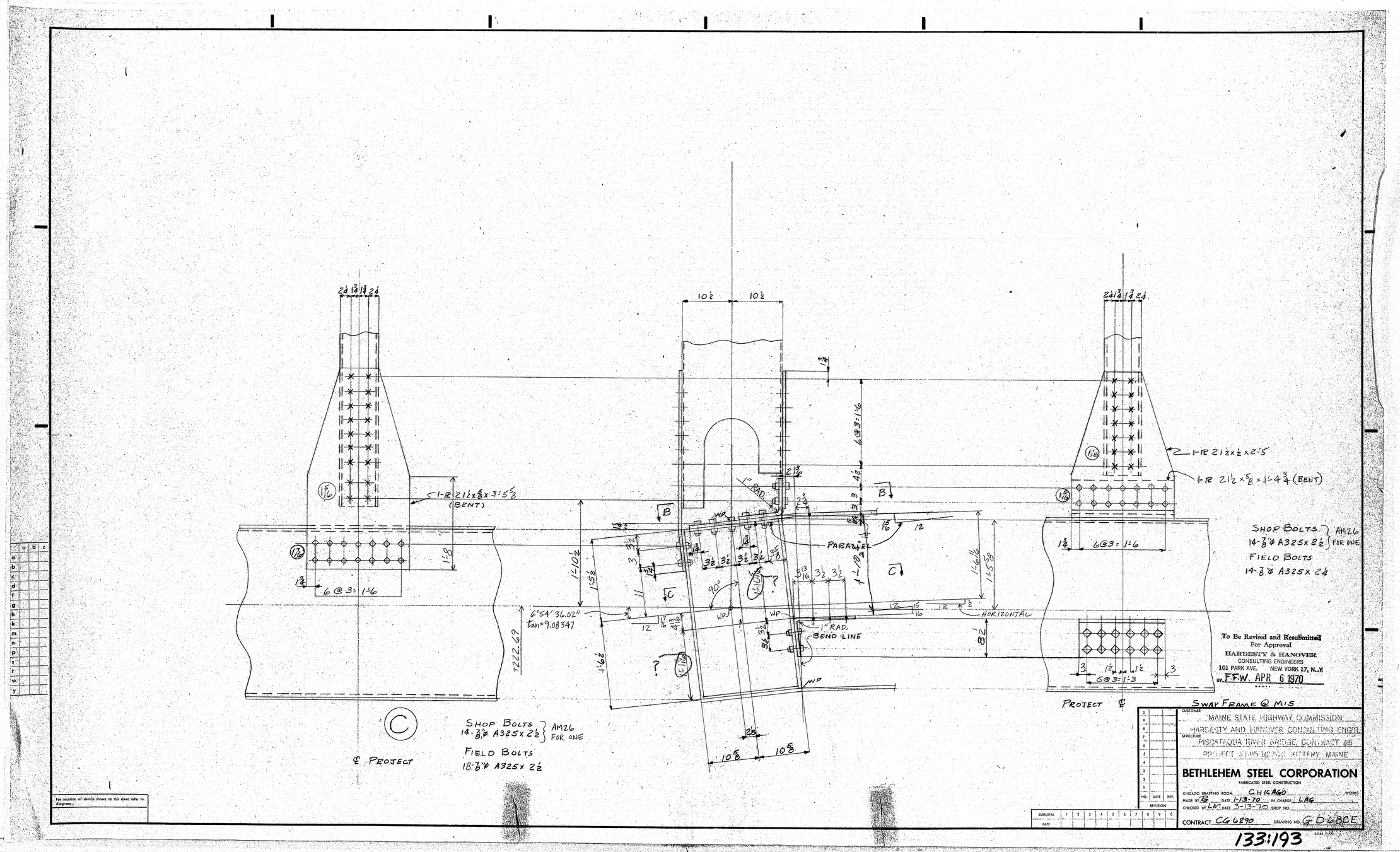
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY EB DATE 1-19-70 IN CHARGE LAG
CHECKED BY HH DATE 3-13-70 SHOP NO.
CONTRACT CG6290 DRAWING NO. GD 68 BE

REVISION NO. DATE INIT.

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

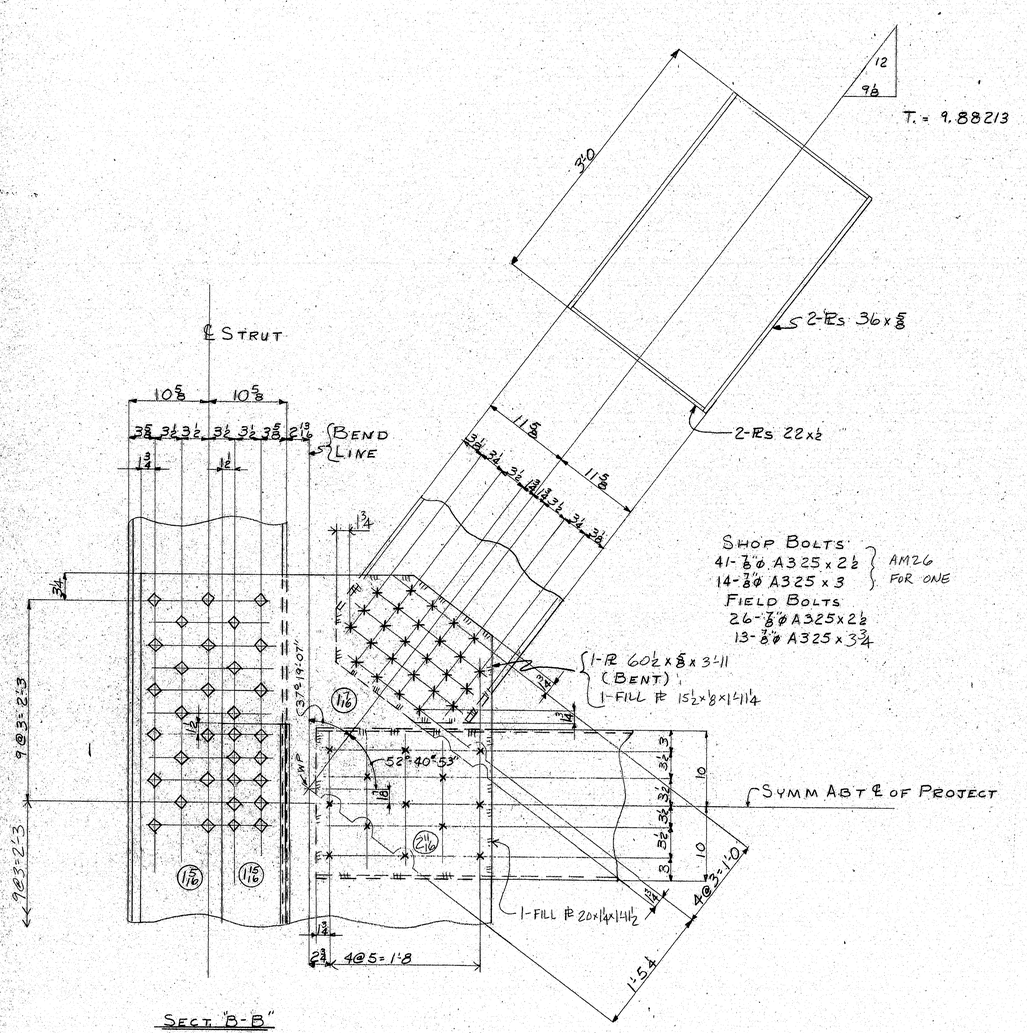
133:192

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX

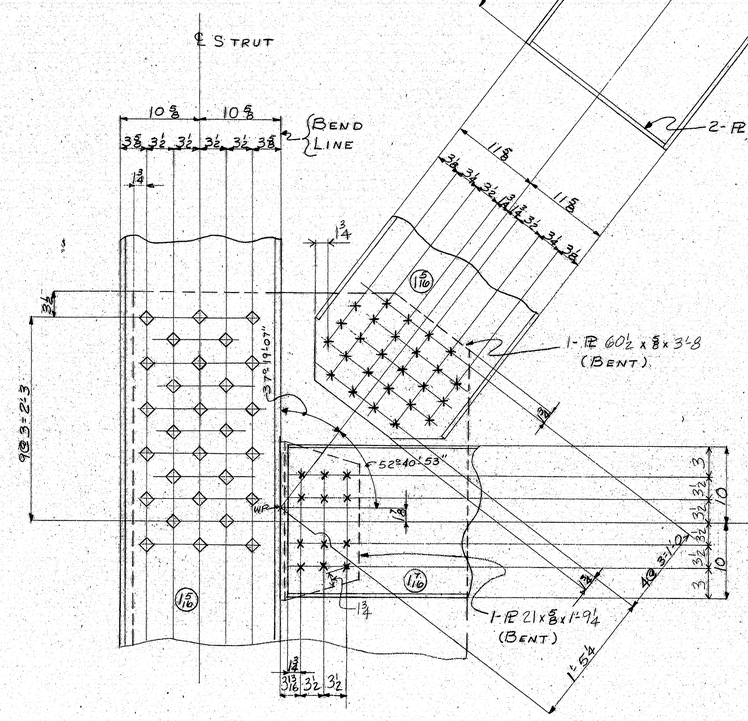


133:193

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



SECT "B-B"
(SHOWN DEVELOPED)



SECT "C-C"
(SHOWN DEVELOPED)

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY FFW APR 6 1970

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

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

LATERAL BRACING @ M15

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

REVISION	NO.	DATE	INIT.
	0		
	9		
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	7		
	6		
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	2		
	1		

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

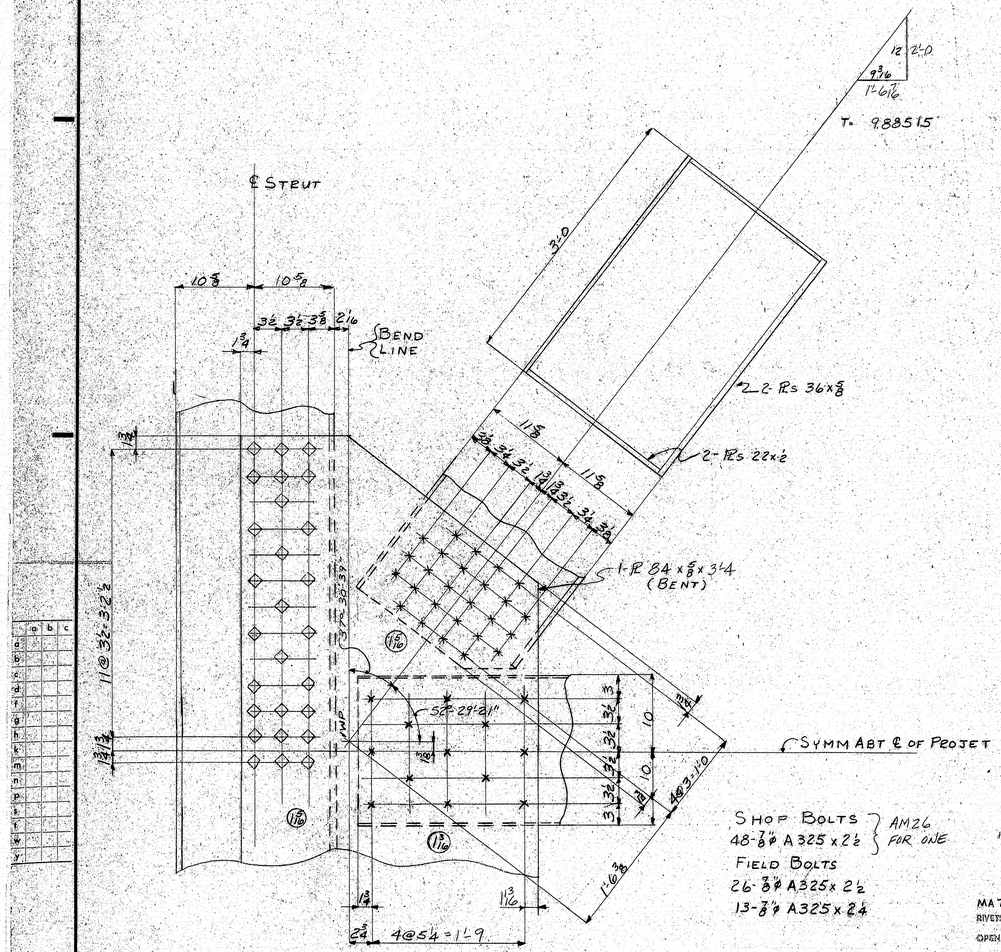
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-05-1(22)16, KITTERY, MAINE

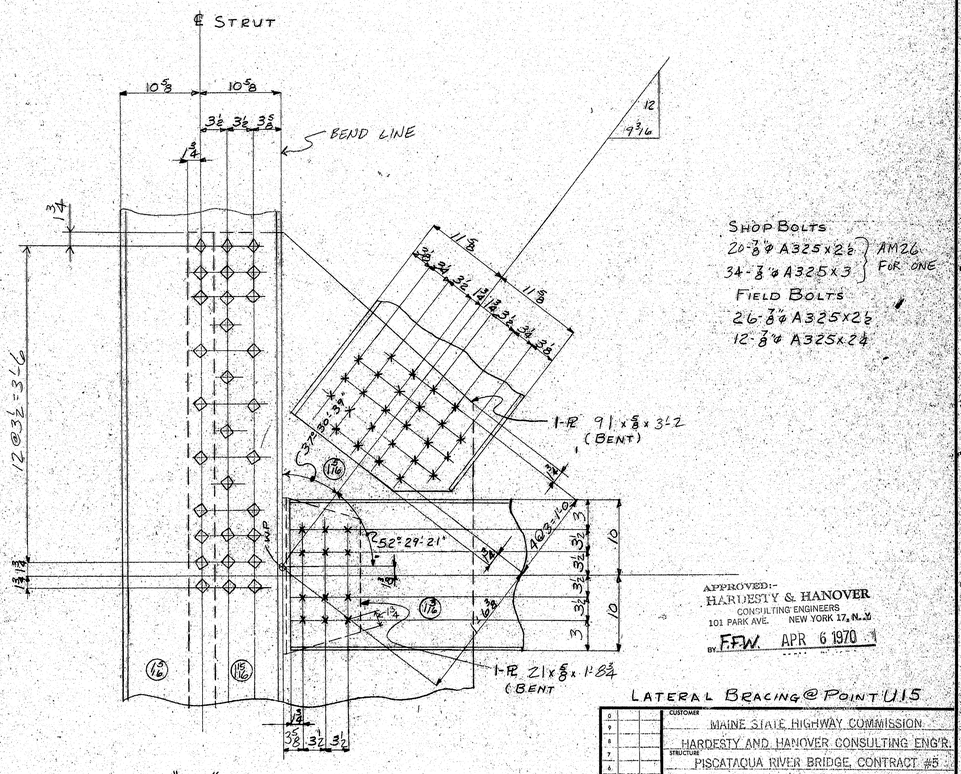
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RT DATE 1-15-70 IN CHARGE LAG
CHECKED BY LM DATE 3-13-70 SHOP NO.
CONTRACT CG 6290 DRAWING NO. GD68.DE

133:194

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX





APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY F.F.W. APR 6 1970

LATERAL BRACING @ POINT U15

CUSTOMER: MAINE STATE HIGHWAY COMMISSION
STRUCTURE: HARDESTY AND HANOVER CONSULTING ENG'R.
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 RF DATE 1-19-70 IN CHARGE L.G.
CHECKED BY LM DATE 3-13-70 SHOP NO.
CONTRACT CG6290 DRAWING NO. GD108 F.E.

NO.	DATE	REVISION
0		
9		
8		
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4		
3		
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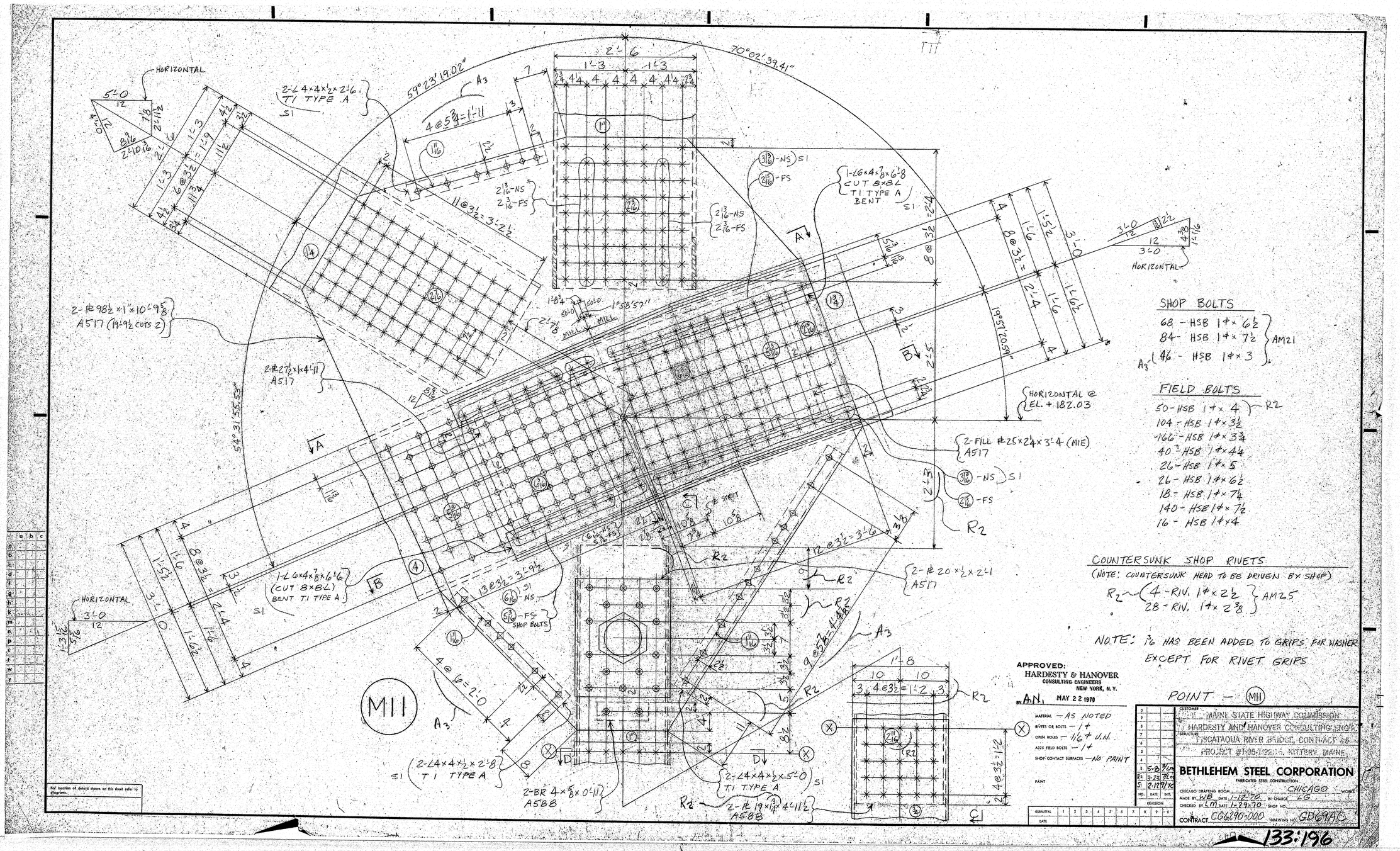
1		

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

133:195

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



SHOP BOLTS

68 - HSB 1"×6½
84 - HSB 1"×7½ } AM21
A3 { 46 - HSB 1"×3

FIELD BOLTS

50 - HSB 1"×4 } R2
104 - HSB 1"×3½
166 - HSB 1"×3¾
40 - HSB 1"×4¼
26 - HSB 1"×5
26 - HSB 1"×6½
18 - HSB 1"×7¼
140 - HSB 1"×7½
16 - HSB 1"×4

COUNTERSUNK SHOP RIVETS

(NOTE: COUNTERSUNK HEAD TO BE DRIVEN BY SHOP)

R2 ~ { 4 - RIV. 1"×2½ } AM25
{ 28 - RIV. 1"×2⅜

NOTE: 1/16 HAS BEEN ADDED TO GRIPS FOR WASHER EXCEPT FOR RIVET GRIPS

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. MAY 22 1970

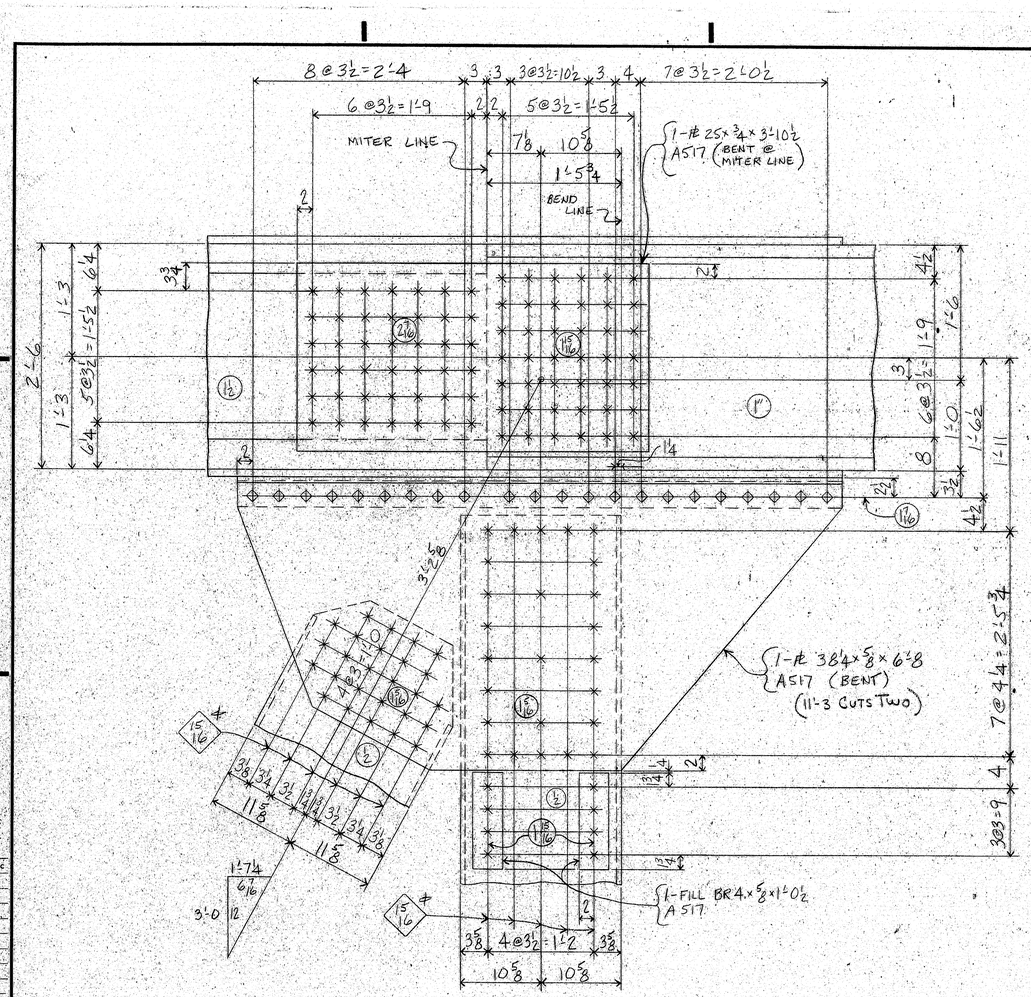
MATERIAL — AS NOTED
RIVETS OR BOLTS — 1"
OPEN HOLES — 1 1/16" U.N.
A325 FIELD BOLTS — 1"
SHOP CONTACT SURFACES — NO PAINT
PAINT

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

NO.	DATE	REVISION
5	5-28	7½"
5	2-19	7½"

CUSTOMER: MAINE STATE HIGHWAY COMMISSION
STRUCTURE: HARDESTY AND HANOVER CONSULTING ENGR.
PROJECT #1-05-122 - 4, KITTERY, MAINE
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM — CHICAGO — WORKS
MADE BY WB DATE 1-12-70 IN CHARGE LG
CHECKED BY LM DATE 1-29-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD69AC

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



SEC. "A-A"

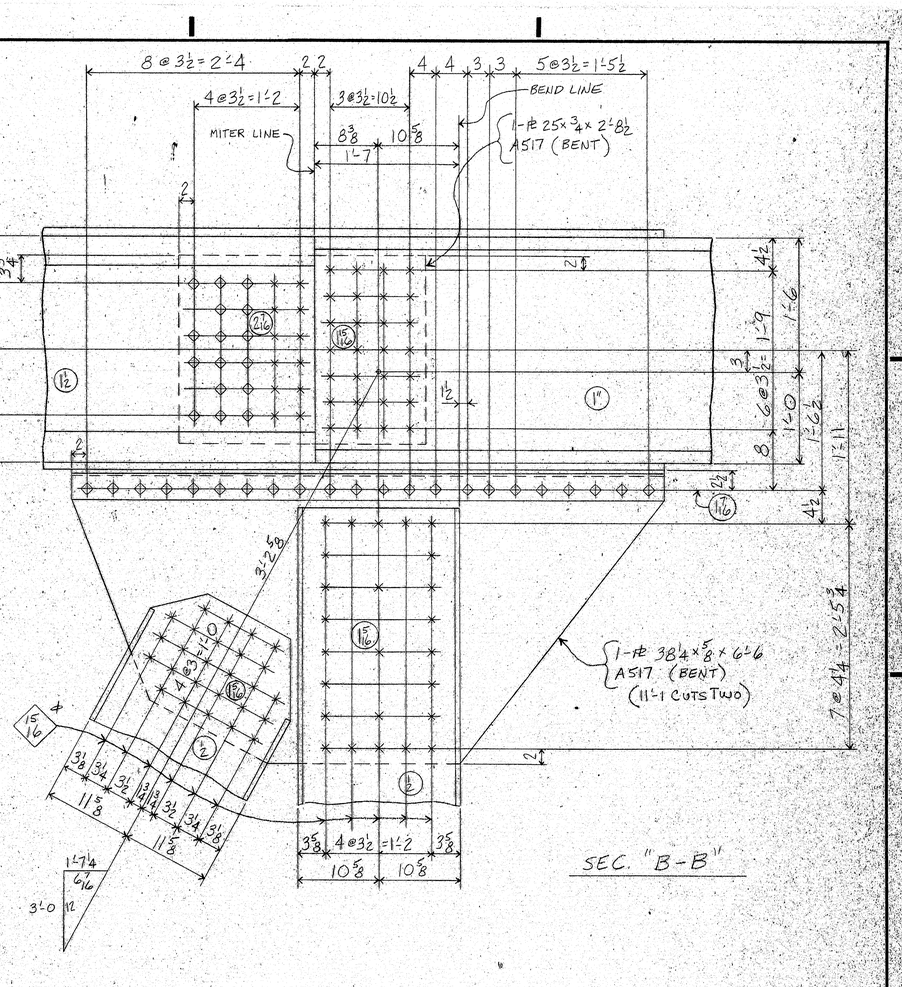
SHOP BOLTS

22-HSB 1"x2¾" } AM21

FIELD BOLTS

42-HSB 1"x 3¾"
42-HSB 1"x 3¼"
24-HSB ⅞"x 3"
35-HSB ⅞"x 2½"

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



SEC. "B-B"

SHOP BOLTS

AM21 { 16-HSB 1"x 3¾"
22-HSB 1"x2¾"

FIELD BOLTS

28-HSB 1"x 3¼"
12-HSB 1"x 3¾"
51-HSB ⅞"x 2½"

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. MAR 12 1970

POINT - (M11)

MATERIAL — AS NOTED
RIVETS OR BOLTS — 1" U.N
OPEN HOLES — 1/16"
A325 FIELD BOLTS — 1" U.N.
SHOP CONTACT SURFACES — NO PAINT
PAINT

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

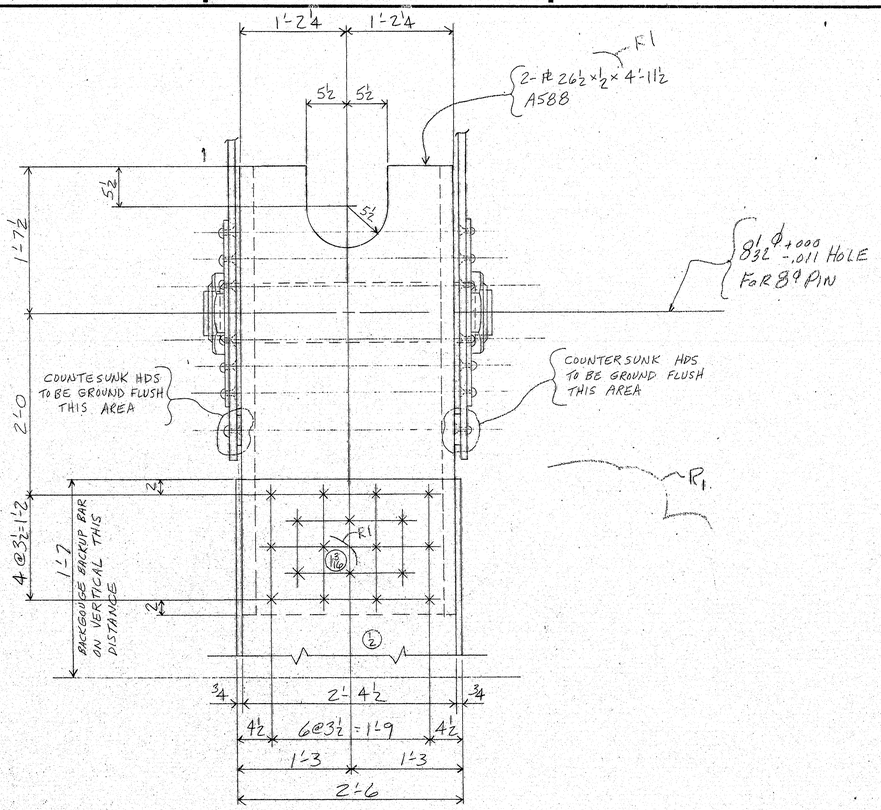
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 1-14-70 IN CHARGE LG
CHECKED BY LM DATE 1-29-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD69BC

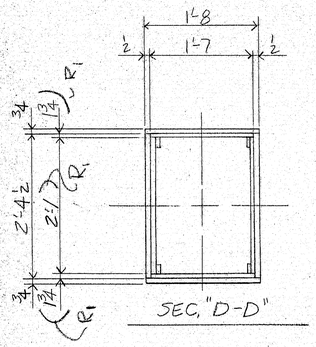
REVISION: NO. | DATE | INIT.
SUBMITTAL / DATE: 1 2 3 4 5 6 7 8 9 0

133:197

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



SEC. "C-C"



SEC. "D-D"

FIELD BOLTS
36-HSB 1" x 2½" R1

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

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. APR 15 1970

POINT — (MII)

MATERIAL — AS NOTED
RIVETS OR BOLTS — 1"
OPEN HOLES — 1/16
A325 FIELD BOLTS
SHOP CONTACT SURFACES — NO PAINT
PAINT

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

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

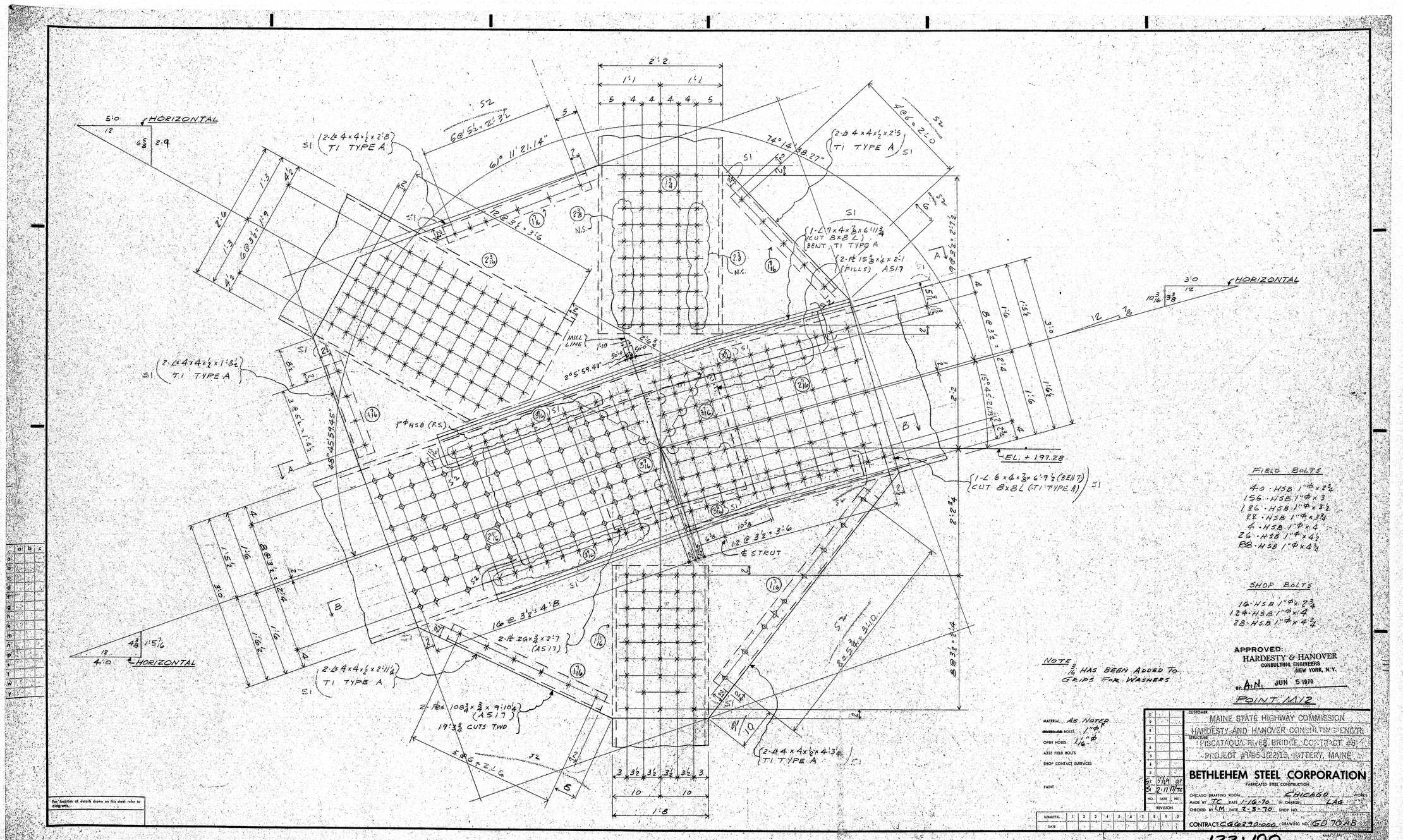
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENGR.
STRUCTURE PISCATAQUA RIVER BRIDGE CONTRACT #5
PROJECT #1-95-1(20)11, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY NB DATE 1-14-70 IN CHARGE LG
CHECKED BY LM DATE 1-29-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD69CC

133:198

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



FIELD BOLTS

40 - HSB 1"Φx2 3/4
156 - HSB 1"Φx3
184 - HSB 1"Φx3 1/2
88 - HSB 1"Φx3 3/4
4 - HSB 1"Φx4
26 - HSB 1"Φx4 1/2
88 - HSB 1"Φx4 3/4

SHOP BOLTS

16 - HSB 1"Φx2 3/4
124 - HSB 1"Φx4
28 - HSB 1"Φx4 3/4

NOTE
5/16 HAS BEEN ADDED TO GRIPS FOR WASHERS

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. JUN 5 1970
POINT MIZ

MATERIAL: AS NOTED
CONNECTION BOLTS: 1"Φ
OPEN HOLES: 1/16
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.	REVISION
5	7/10		
5	2-11	71	

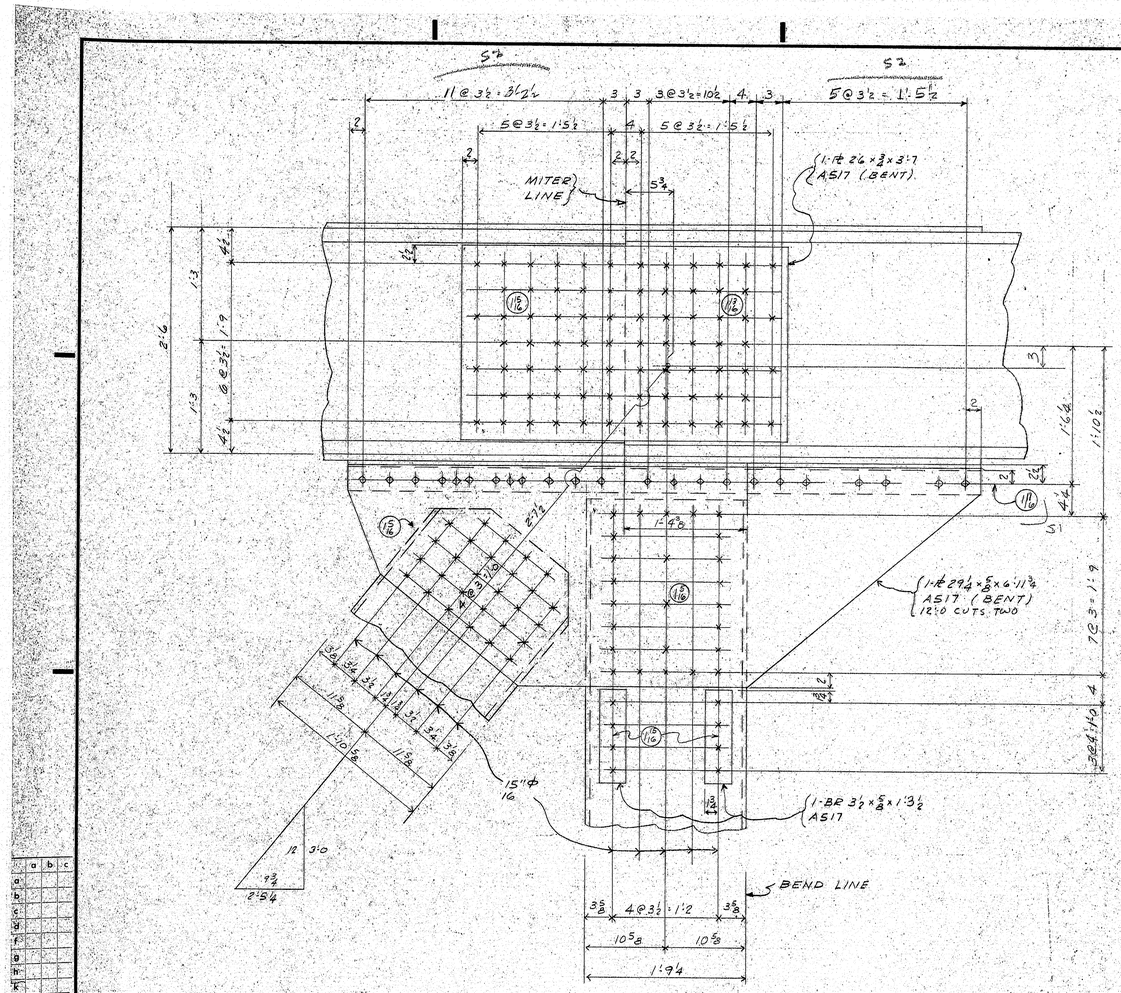
SUBMITTAL 1 2 3 4 5 6 7 8 9 0
DATE

CUSTOMER: MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENGR.
STRUCTURE: PISCATAQUA RIVER BRIDGE, CONTRACT #3
PROJECT #1955-1(2)15, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY TC DATE 1-16-70 IN CHARGE LAG
CHECKED BY LM DATE 2-3-70 SHOP NO.
CONTRACT: CG6230:000 DRAWING NO: GD 70 A5

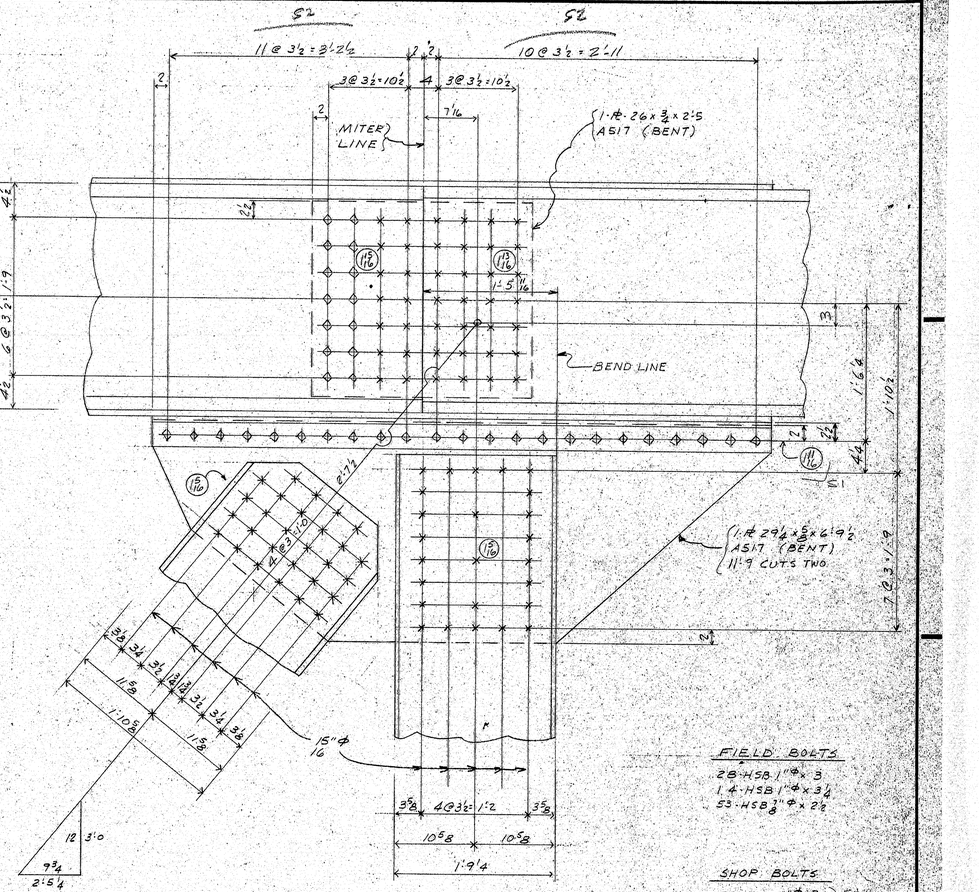
133:199

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



SECTION "A-A" SHOWN DEVELOPED

FIELD BOLTS	SHOP BOLTS
39-HSB 1"℄ x 3	23-HSB 1"℄ x 3) S1
39-HSB 1"℄ x 3¼	
37-HSB ⅞"℄ x 2½	
24-HSB ⅞"℄ x 3	



SECTION "B-B" SHOWN DEVELOPED

FIELD BOLTS
28-HSB 1"℄ x 3
14-HSB 1"℄ x 3¼
53-HSB ⅞"℄ x 2½

SHOP BOLTS
23-HSB 1"℄ x 3) S1
14-HSB 1"℄ x 3¼

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY A.N. JUN 5 1970
POINT M12

NOTE: ⅜ HAS BEEN ADDED TO GRIPS FOR WASHERS

MATERIAL	AS NOTED
~~RIVETS~~ BOLTS	1"℄ U.N.
OPEN HOLES	1 1/16"℄ U.N.
A325 FIELD BOLTS	1"℄ U.N.
SHOP CONTACT SURFACES	N.P.
PAINT	

NO.	DATE	REVISION
S1	5/4/70	RP
S1	2/11/70	TC

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

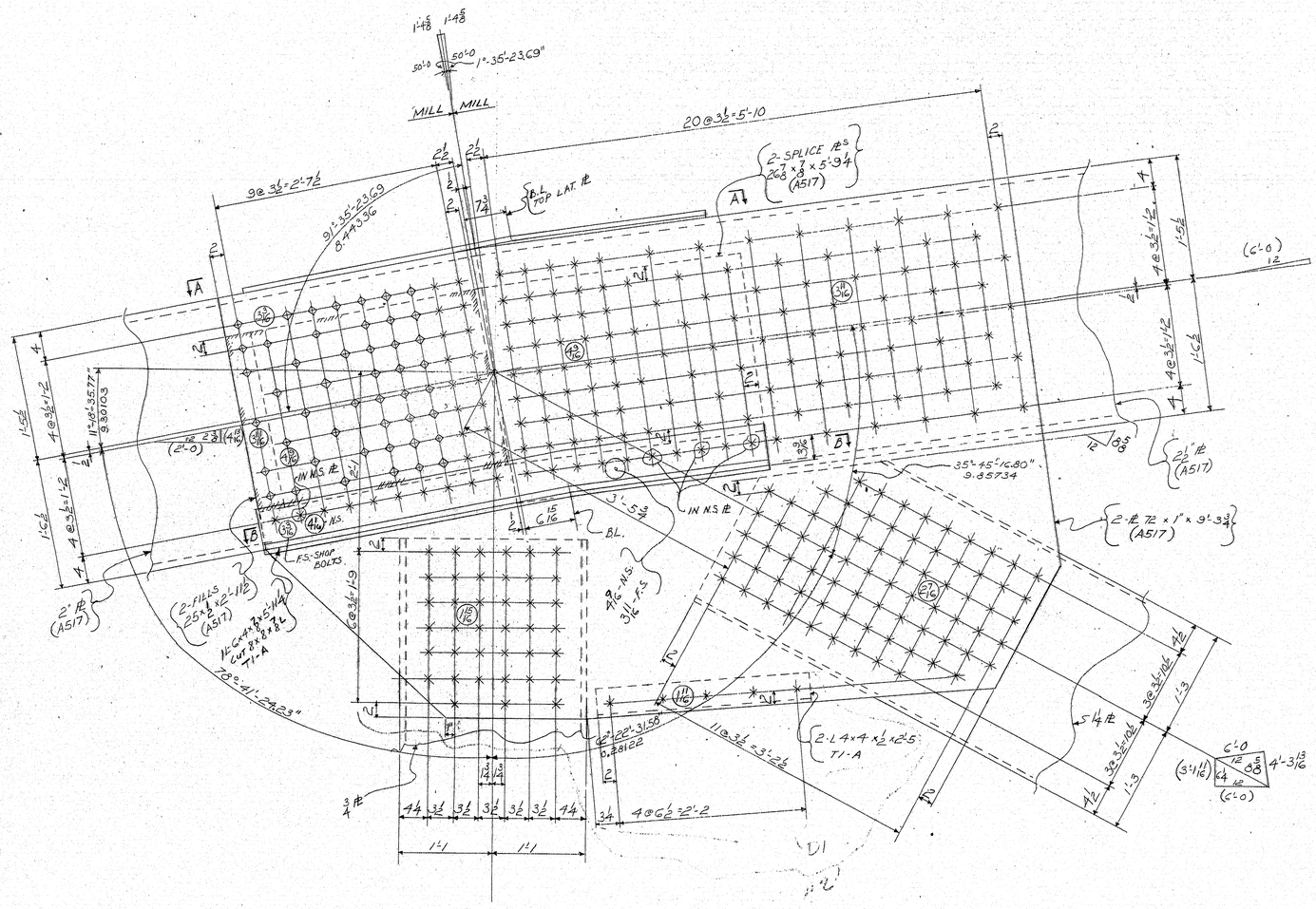
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY TC DATE 1-16-70 BY CHARGE LAG
CHECKED BY CM DATE 2-3-70 SHOP NO.
CONTRACT C66290-000 DRAWING NO. SD 70.88

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

133:200

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



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

SHOP BOLTS

FOR ONE AM21

GRIP	QTY	
3 3/16	21	- HSB^S 1"Ø x 4½
3 11/16	10	- HSB^S 1"Ø x 5
4 3/16	70	- HSB^S 1"Ø x 5¾

FIELD BOLTS

FOR ONE D1

GRIP	QTY	
1 1/16	10	- HSB^S 1"Ø x 5¼
4 3/16	144	- HSB^S 1"Ø x 5¾
3 11/16	127	- HSB^S 1"Ø x 5
1 15/16	78	- HSB^S 1"Ø x 3¼
2 7/16	150	- HSB^S 1"Ø x 3¾
3 5/16	6	- HSB^S 1"Ø x 4½
1 11/16	10	- HSB 1"Ø x 3

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY F.F.W. FEB 25 1970

NOTE!
BOLT GRIPS SHOWN ABOVE INCLUDE 3/16" FOR H-WASHERS
FOR VIEW "A-A" & SEC. "B-B" SEE SHT.# GD71BB

PANEL POINT - U13

MATERIAL	SEE SHT.# GD71BB
RIVETS OR BOLTS	
OPEN HOLES	
A325 FIELD BOLTS	
SHOP CONTACT SURFACES	
PAINT	

NO.	DATE	INT.	REVISION
2	2/13/70	ET	
1	2/10/70	ET	

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

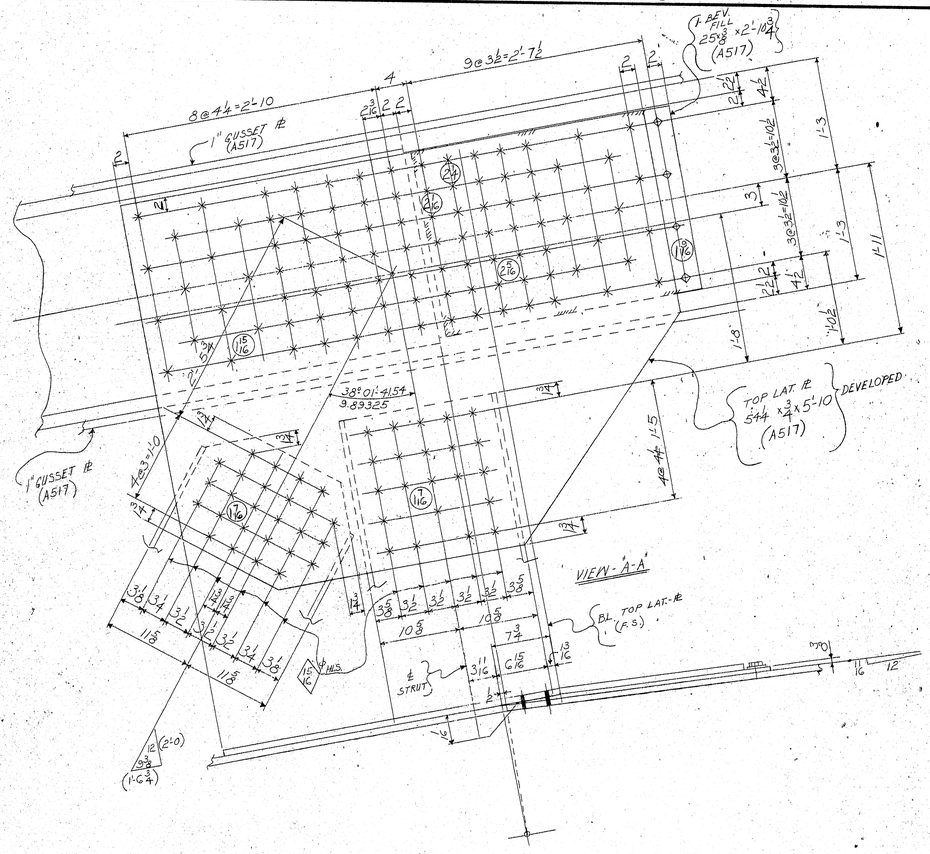
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

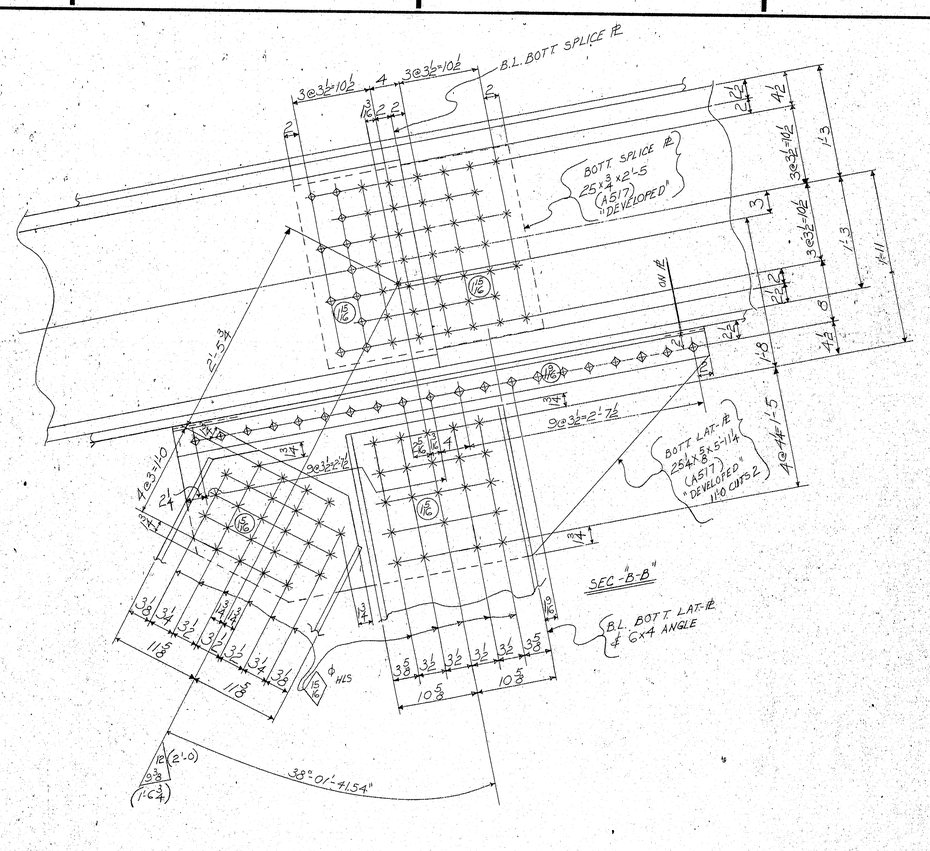
CHICAGO DRAFTING ROOM CHGO. WORKS
MADE BY TG DATE 2-15-70 IN CHARGE L.G.
CHECKED BY ET DATE 2-16-70 SHOP NO.
CONTRACT 066290-000 DRAWING NO. GD71AB

13491-M-69

134:1

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX





NOTE!
BOLT GRIPS SHOWN BELOW INCLUDE 3/16" FOR H-WASHERS

SHOP BOLTS

FOR ONE AM 21.

GRIP	QTY.	
1 1/16	11	- HSB^S 1"Φ×3¼
1 3/16	20	- HSB^S 1"Φ×2¾
1 5/16	4	- HSB^S 1"Φ×2¾

FIELD BOLTS

FOR ONE

GRIP	QTY.	
1 1/16	88	- HSB^S 1"Φ×3¼
2 5/16	42	- HSB^S 1"Φ×3½
1 1/16	48	- HSB^S ⅞Φ×2½
1 5/16	48	- HSB^S ⅞Φ×2½
2 1/16	7	- HSB^S 1"Φ×3¼

MATERIAL - AS NOTED
RIVETHOLE BOLTS - 1"Φ
OPEN HOLES - 1/16" Φ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

TOP & BOTT LATERAL ℄s @ POINT - U13

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

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

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

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CH60 WORKS
MADE BY MD DATE 2-16-70 IN CHARGE L.G.
CHECKED BY ET DATE 2-26-70 SHOP NO.
CONTRACT 66290-000 DRAWING NO. GD71BB

NO.	DATE	REVISION
0		
1		
2		
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7		
8		
9		

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

	a	b	c
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k			
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n			
p			
s			
t			
w			
y			

MAXS. 11-69

134:2

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX

62° 18' 02.89"

78° 35' 53.79"

43° 27' 18.84"

2-∠ 3½ × 3½ × ½ × 2'-5½ A514

4@6½ = 2'-2

12@3½ = 3'-6

2-∠ 3½ × 3½ × ½ × 2'-2½ A514

4@3¼ = 1'-11

2-FILL PL 15½ × 4 × 2'-0½ A517

7@12 = 2'-0

1-∠ 7 × 4 × ¾ × 6'-11½ A514 (BENT)

1-∠ 6 × 4 × ¾ × 6'-9½ A514 (BENT)

2-∠ 3½ × 3½ × ½ × 4'-0¼ A514

2-PL 10½ × ¾ × 10'-4¾ A517 (19'-5 CUTS 2 PCS)

2-PL 25¾ × ¾ × 2'-7 A517

2-∠ 3½ × 3½ × ½ × 3'-6 A514

8@3½ = 2'-4

17@3½ = 4'-11½

7@5½ = 3'-2½

7@6³⁸/₁₆ = 3'-8⅝

8@3½ = 2'-4

HORIZONTAL

PARALLEL TO CHORD M12-M13

PARALLEL TO CHORD M13-M14

HORIZONTAL

HORIZONTAL

HORIZONTAL LINE @ EL. + 209.13

MILL LINE

E STRUT

SHOP BOLTS

16 - HSB 1 × 2¾
130 - HSB 1 × 3¾
28 - HSB 1 × 4½
} AM21

FIELD BOLTS

136 - HSB 1 × 3
272 - HSB 1 × 3½
20 - HSB 1 × 3¾
26 - HSB 1 × 4¼
104 - HSB 1 × 4½
36 - HSB 1 × 2¾

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

POINT — M13

M13

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

MATERIAL — AS NOTED
RIVETED BOLTS — 1"
OPEN HOLES — 1/16"
A325 FIELD BOLTS — 1"
SHOP CONTACT SURFACES — NO PAINT
PAINT

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

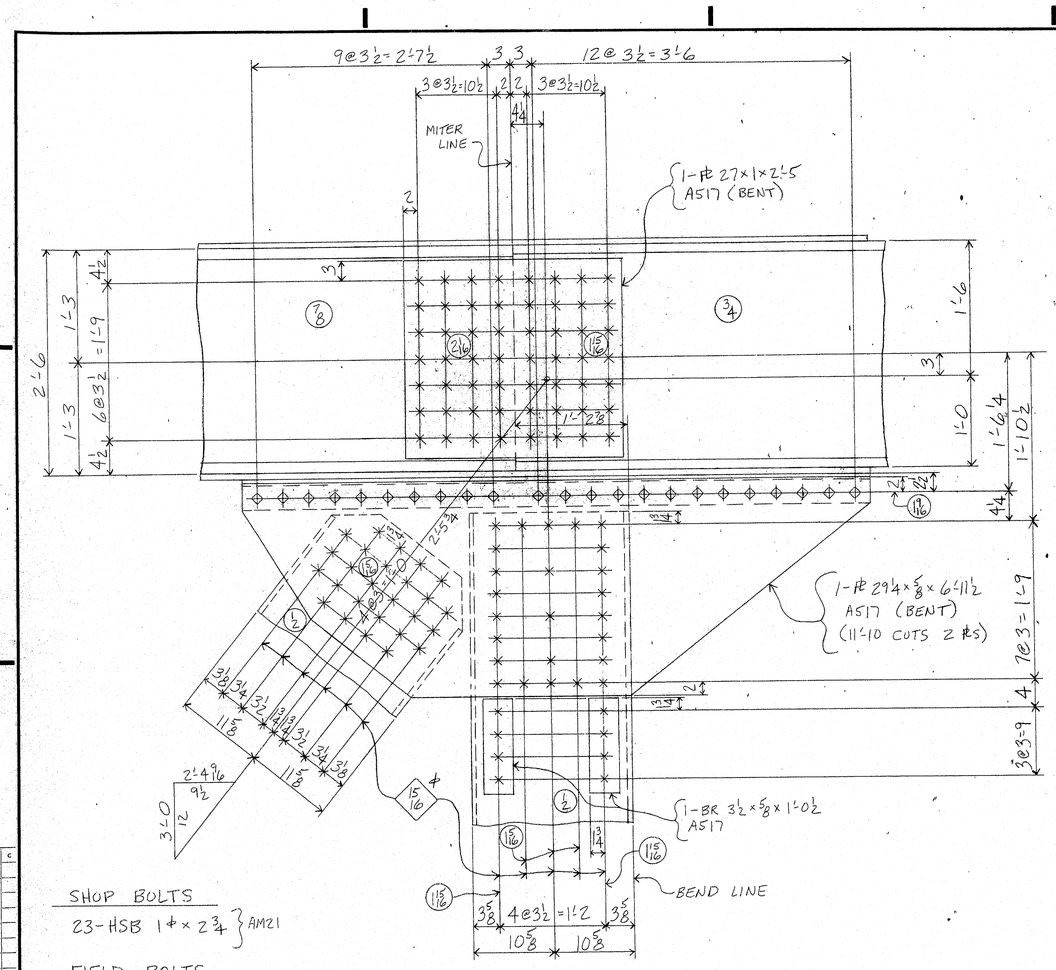
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 1-19-70 IN CHARGE LG
CHECKED BY EM DATE 2-3-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD72AB

REVISION
NO. DATE INIT.

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

134.3

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



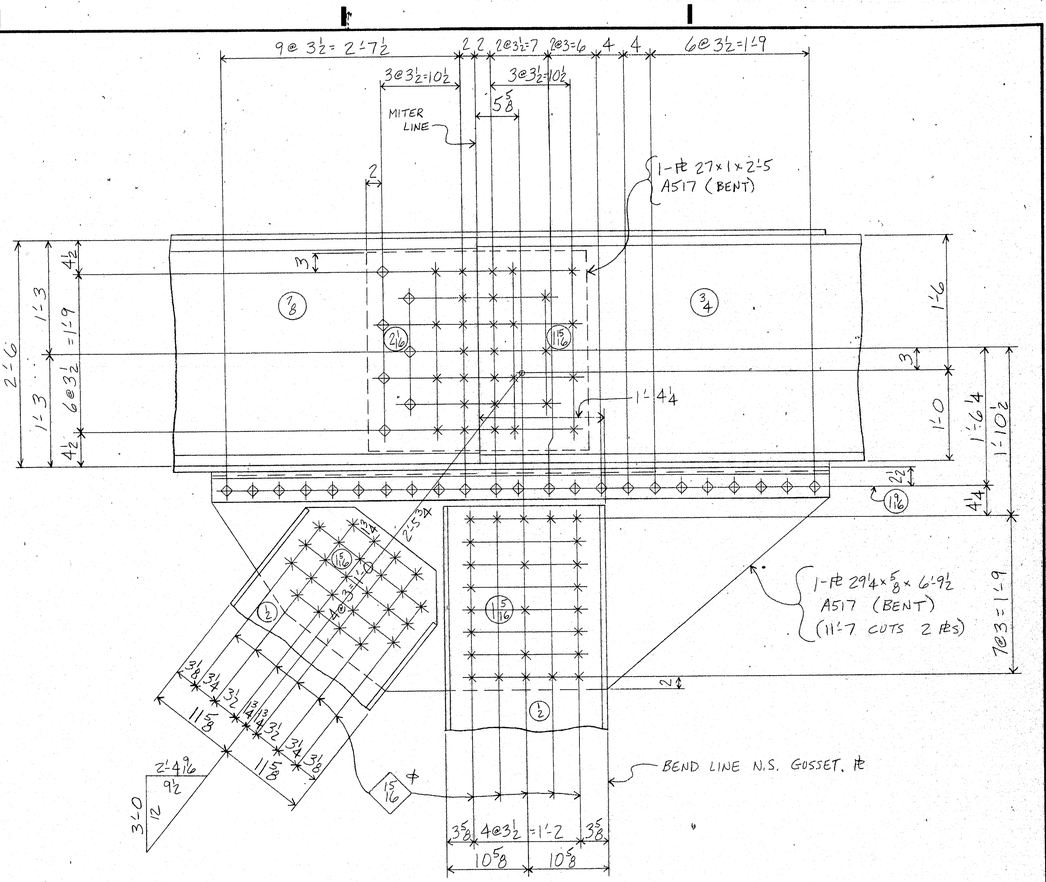
SEC. "A-A"

SHOP BOLTS

23-HSB 1φ×2¾ } AM21

FIELD BOLTS

35-HSB ⅞φ×2½
24-HSB ⅞φ×3
56-HSB 1φ×3¼



SEC. "B-B"

SHOP BOLTS

23-HSB 1φ×2¾ }
7- HSB 1φ×3¼ } AM21

FIELD BOLTS

51-HSB ⅞φ×2½
29-HSB 1φ×3¼

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

POINT — (M13)

MATERIAL — AS NOTED
BOLTS — 1"φ U.N.
OPEN HOLES — 1 1/16φ U.N.
A325 FIELD BOLTS — 1"φ U.N.
SHOP CONTACT SURFACES — NO PAINT
PAINT

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

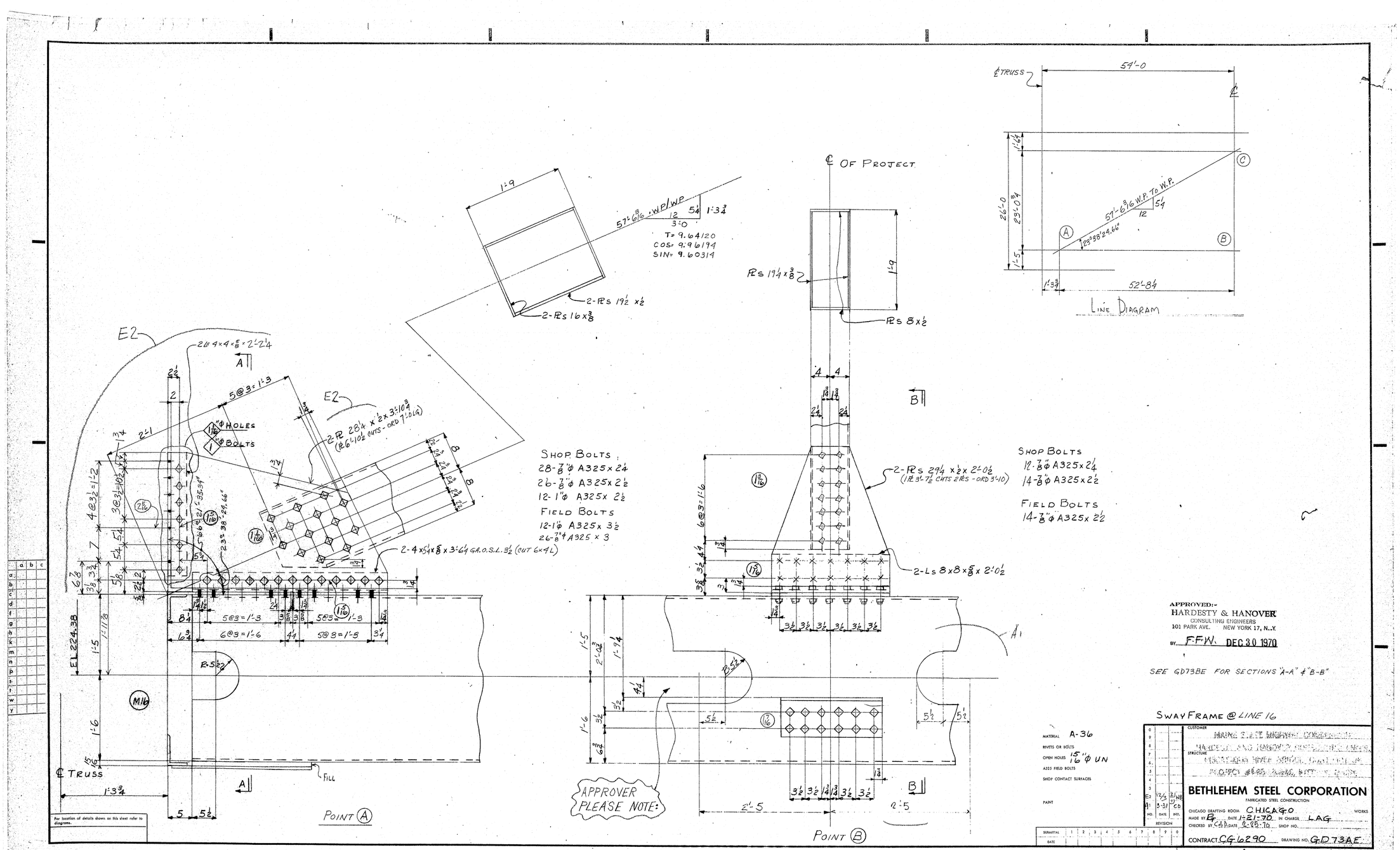
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 1-20-70 IN CHARGE LG
CHECKED BY EM DATE 2-3-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD72BB

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

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

134:4

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX