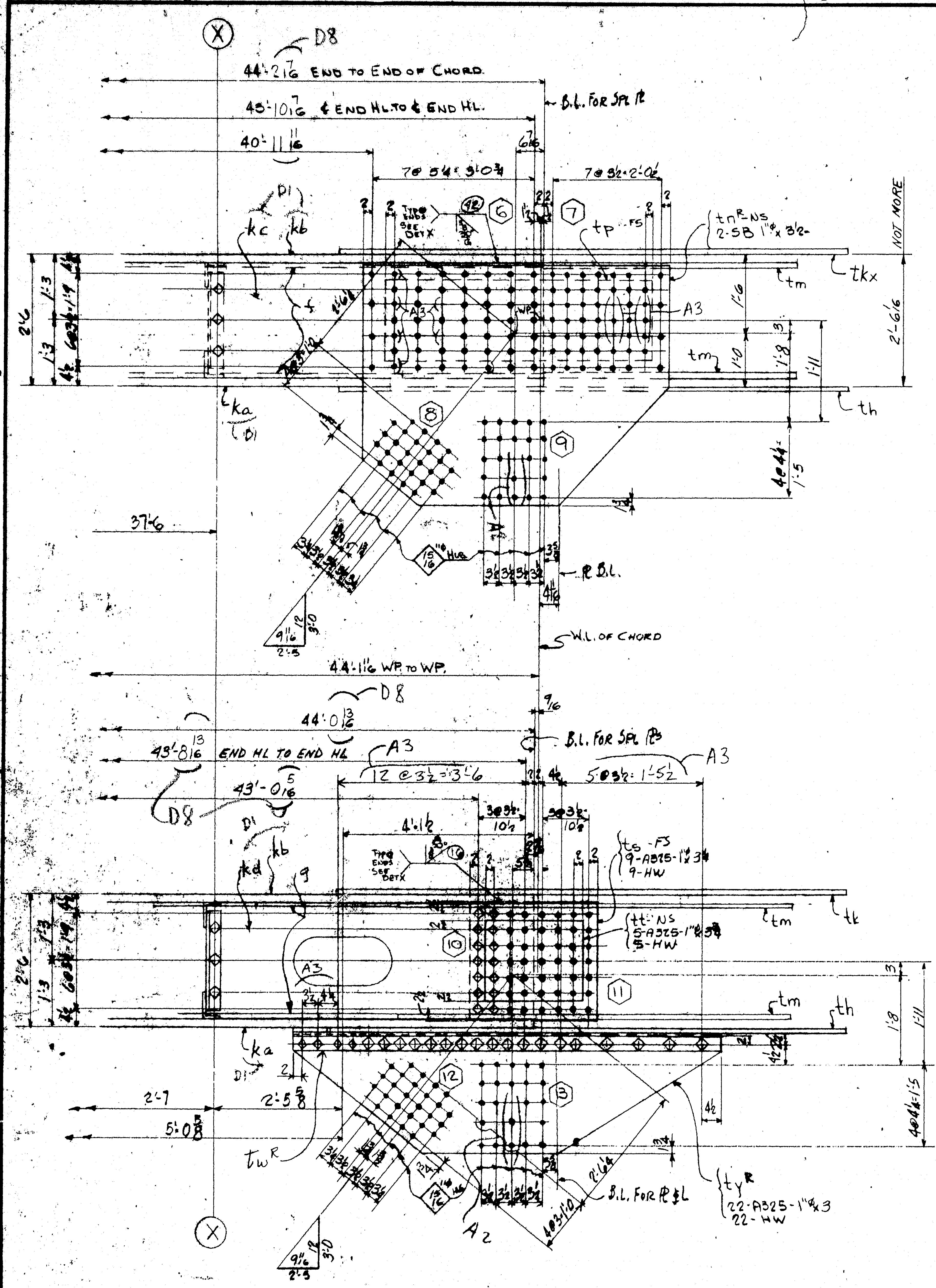

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	PAGE	ITEM
	1	D1	1-	TOP CHORD MEMBERS - 1-247AX^R													
②	2	k a	1	PL	36		2 1/8	44	2 1/2	M2E	36	2 1/8	44	5		109	1
②	3	k b	1	PL	36		2 1/8	44	2 1/2	M2E	36	2 1/8	44	5		109	1
ⓜ	4	k c	1	PL	25		1	44	12 7/16	M2E D8	25	1	44	5		109	2
ⓜ	5	k d	1	PL	25		1	44	0 13/16	M2E	25	1	44	5		109	2
	6	f	2	BR	1		5/8	45	2		1	5/8	45	5		116	7
	7	g	2	BR	1		5/8	45	1 1/2		1	5/8	45	5		116	7
	8	t h	1	PL	79 1/2		1	9	6 3/4		81	1	9	11		168	1
	9	t kx	1	PL	79 1/2		1	9	6 3/4		81	1	9	11		168	1
	10	t m	2	PL	27 3/8		7/8	8	1 1/2		27 3/8	7/8	8	1 1/2		168	2
	11	t n^R	1	PL	54 1/4		3/4	5	9 1/4	BENT	54 1/4	3/4	5	9 1/4		168	4
	12	t p	1	PL	18		5/8	5	0 1/2	BENT	18	5/8	5	0 1/2		168	5
	13	t s	1	PL	26		3/4	2	5	BENT	26	3/4	2	5		168	6
	14	t t	1	PL	18		1/2	1	10	BENT	18	1/2	1	10		168	9
	15	t w^R	1	L	8	8	7/8	6	10 1/4	BENT CT6×4			38	9		153	15
	16	t y^R	1	PL	25 1/4		5/8	6	10 1/4	BENT (1R 12'-0 CUTS 2	25 1/4	5/8	12	3	) A4	168	7
	17	t ac	2	L	4	4	1/2	2	11 1/2				40	0		152	0
	18	a*	8	L	6	3 1/2	1/2	1	9 3/4	A36			1	11 1/2		117	8
	19	aa*	8	L	6	4	1/2	2	7 1/2	A36			2	8 1/2		117	7
	20	t ab	1	SHS	27 1/2		1/8	2	4 1/4		27	3/16	2	4 1/4		147	2
	21	t ad	1	BR	5 1/2		1	0	7 1/2	FILL			0	7 1/2		280	1
	22		2	MB	1"ɸ			0	3 1/2	RHH RHN (SB)						AM	21
	23	L5	2	MB	1"ɸ			0	5	RHH RHN (SB)						AM	21
	24		4	325	1"ɸ			0	2 1/2							AM	21
	25																
	26	D7	64	325	1"ɸ			0	3	22-18-24						AM	21
	27		9	325	1"ɸ			0	3 1/4							AM	21
	28	D7	5	325	1"ɸ			0	3 3/4							AM	21
	29		40	325	1"ɸ			0	4							AM	21
	30		38	325	1"ɸ			0	4 1/2							AM	21
	31		98	325	1"ɸ			0	5 1/2							AM	21
	32		258	HW	2"ɸ	1 1/16"ɸ	3/16									AM	21
	33	T30B	1	WD			3/8	176	7								
	34	FW	1	WD			5/16	22	8								
	35																
	36																
	37																
	38																
	39																
	40																
	41																
	42																
	43																
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	60																
	61																
	62																

A3 (lines 15–16), D10 (line 20), A3 (line 21), A3 (line 30), A3 (line 32)

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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW FEB 25 1971
D9

"LENGTH CORR FOR TEMP"

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES E110XX
EXCEPT WHERE NOTED
LOW HYDROGEN

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. Except 11"×22" Holes

D1
MATERIAL A588 - PREFIX - k
(SHAPES T1 / A5-A517) PREFIX t
A36 - NO PREFIX
BOLTS A325 - 1"ɸ UN
OPEN HOLES 1 1/16"ɸ UN
A325 FIELD BOLTS 1"ɸ UN
SHOP CONTACT SURFACES N.P.
WELDING AS NOTED
PAINT 1 - CT RED LEAD AASHO - M72 TYPE II
U.N. SEE NOTE X

WORK SHTS. 247AD, 247BD, ~~247CD & 247DD~~ TOGETH

TOP CHORD MEMBER (U10'-U11')

	1	1	247AX^R	TOP CHORD MEM.	6'-9 × 4'-10 × 49'-11
H12	M12	QTY.	MARK	DESCRIPTION	REMARKS
INST.		REQUIRED LIST			

NO.	DATE	INIT.
D10	2/11	WB
D9	2/1	CAD
D8	1/13	CAD
D7	12/28	RP
D6	7/27	LG
D5	6/24	WB
A4	6-17	CD
A3	5/26	WB
A2	5.15	CD
D1	3-10	6/9
REVISION		

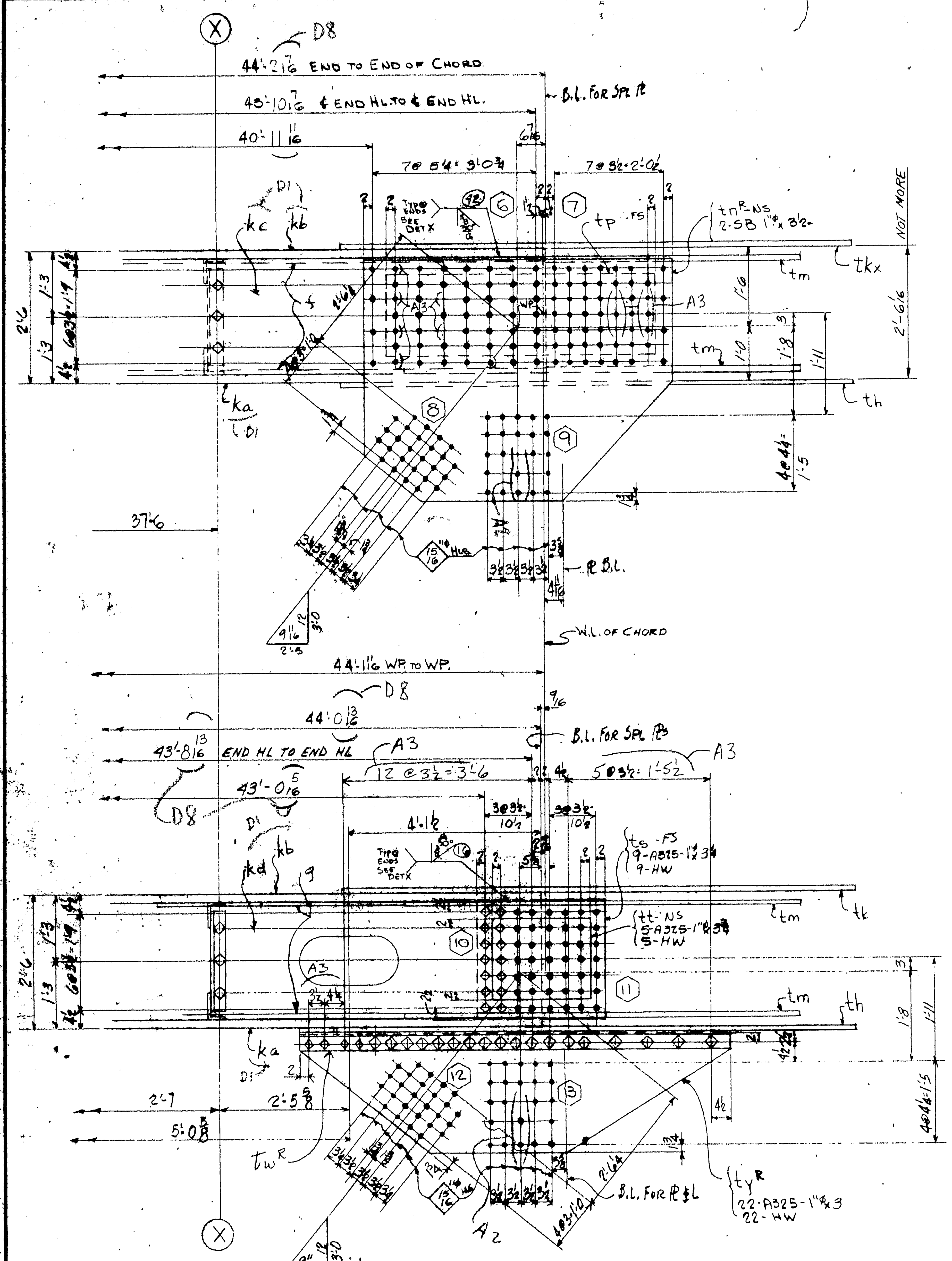
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 RM DATE 2-17-70 IN CHARGE LAG
CHECKED BY DATE 3-2-70 SHOP NO.
CONTRACT CGC290-060 DRAWING NO. 247DX

For location of details shown on this sheet refer to diagram.
E9 & EH

121-51 NC TAPE
D6



	PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT	MILL ORDER LENGTH IN.	STOCK	PAGE	ITEM
		1	D1	1-	TOP CHORD MEMBERS - 1-247AX^R													
	②	2	k a	1	PL	36		2 1/8	44	2 1/2	M2E	36	2 1/8	44	5		109	1
	②	3	k b	1	PL	36		2 1/8	44	2 1/2	M2E	36	2 1/8	44	5		109	1
	ⓜ	4	k c	1	PL	25		1	44	12 7/16	M2E D8	25	1	44	5		109	2
	ⓜ	5	k d	1	PL	25		1	44	0 13/16	M2E	25	1	44	5		109	2
		6	f	2	BR	1		5/8	45	2		1	5/8	45	5		116	7
		7	g	2	BR	1		5/8	45	1 1/2		1	5/8	45	5		116	7
		8	t h	1	PL	79 1/2		1	9	6 3/4		81	1	9	11		168	1
		9	t kx	1	PL	79 1/2		1	9	6 3/4		81	1	9	11		168	1
		10	t m	2	PL	27 3/8		7/8	8	1 1/2		27 3/8	7/8	8	1 1/2		168	2
		11	t n^R	1	PL	54 1/4		3/4	5	9 1/4	BENT	54 1/4	3/4	5	9 1/4		168	4
		12	t p	1	PL	18		5/8	5	0 1/2	BENT	18	5/8	5	0 1/2		168	5
		13	t s	1	PL	26		3/4	2	5	BENT	26	3/4	2	5		168	8
		14	t t	1	PL	18		1/2	1	10	BENT	18	1/2	1	10		168	9
A3		15	t w^R	1	L	8	8	7/8	6	10 1/4	BENT CT6×4			38	9		153	15
		16	t y^R	1	PL	25 1/4		5/8	6	10 1/4	BENT (1 PL 12'-0 CUTS 2	25 1/4	5/8	12	3	) -A4	168	7
		17	t ac	2	L	4	4	1/2	2	11 1/2				40	0		152	0
		18	la*'	8	L	6	3 1/2	1/2	1	9 3/4	A36			1	11 1/2		117	8
		19	laa*	8	L	6	4	1/2	2	7 1/2	A36			2	8 1/2		117	7
D10		20	t ab	1	SHS	27 1/2		1/8	2	4 1/4		27	3/16	2	4 1/4		147	2
A3		21	t ad	1	BR	5 1/2		1	0	7 1/2	FILL			0	7 1/2		280	1
		22		2	MB	1"φ			0	3 1/2	RHH RHN (SB)						AM	21
		23	L5	2	MB	1"φ			0	5	RHH RHN (SB)						AM	21
		24		4	325	1"φ			0	2 1/2							AM	21
		25																
		26	D7	64	325	1"φ			0	3	22-18-24						AM	21
		27		9	325	1"φ			0	3 1/4							AM	21
		28	D7	5	325	1"φ			0	3 3/4							AM	21
		29		40	325	1"φ			0	4							AM	21
A3		30		38	325	1"φ			0	4 1/2							AM	21
		31		98	325	1"φ			0	5 1/2							AM	21
A3		32		258	HW	2"φ	1 1/16"φ	3/16									AM	21
		33	T30B	1	WD			3/8	176	7								
		34	FW	1	WD			5/16	22	8								
		35																
		36																
		37																
		38																
		39																
		40																

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HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW FEB 25 1971
D9

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES E110XX
EXCEPT WHERE NOTED
LOW HYDROGEN

"LENGTH CORR FOR TEMP"

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. Except 11"×22" HOLES

	1	1	247AX^R	TOP CHORD MEM.	6'-9 × 4'-10 × 49'-11
H12	M12	QTY.	MARK	DESCRIPTION	REMARKS
INST.	REQUIRED LIST				

D1 — MATERIAL A588 - PREFIX - k
(SHAPES T1 PS-A517) PREFIX t
A36 - NO PREFIX
~~RIVETS OR~~ BOLTS A325 - 1"φ UN
OPEN HOLES 1 1/16"φ UN
A325 FIELD BOLTS 1"φ UN
SHOP CONTACT SURFACES N.P.
WELDING AS NOTED
PAINT 1-CT RED LEAD AASHO-M72 TYPE II
U.N. SEE NOTE X

NO.	DATE	INIT.
D10	2/11	WB
D9	2/11	CAD
D8	1/13	CAD
D7	12/28	RP
D6	7/27	LG
D5	6/24	WB
A4	6.17	CD
A3	5/26	WB
A2	5.15	CD
D1	3.10	6/9

REVISION

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

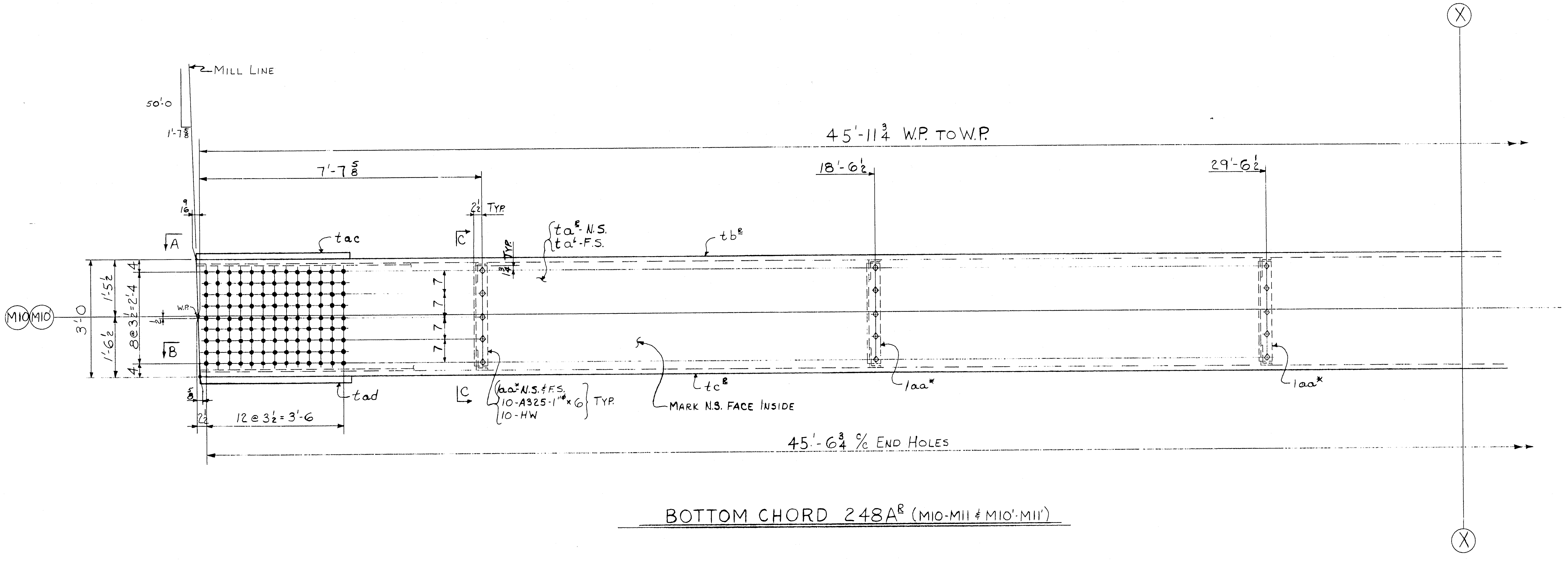
WORK SHTS. 247AD, 247BD, 247CD & 247DD TOGETHER
TOP CHORD MEMBER (U10'-U11')

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 JKM DATE 2-17-70 IN CHARGE LAG
CHECKED BY [illegible] DATE 3-2-70 SHOP NO.
CONTRACT CGC290-060 DRAWING NO. 247DDX
D6

For location of details shown on this sheet refer to diagram.
E9 & EH

121-51 NC TAPE



BOTTOM CHORD 248A^R (M10-M11 & M10'-M11')

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M10 - M11

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 KMG DATE 2-10-70 IN CHARGE LAG.
CHECKED BY LM DATE 3-18-70 SHOP NO.
CONTRACT CG6290-06 DRAWING NO. 248AD

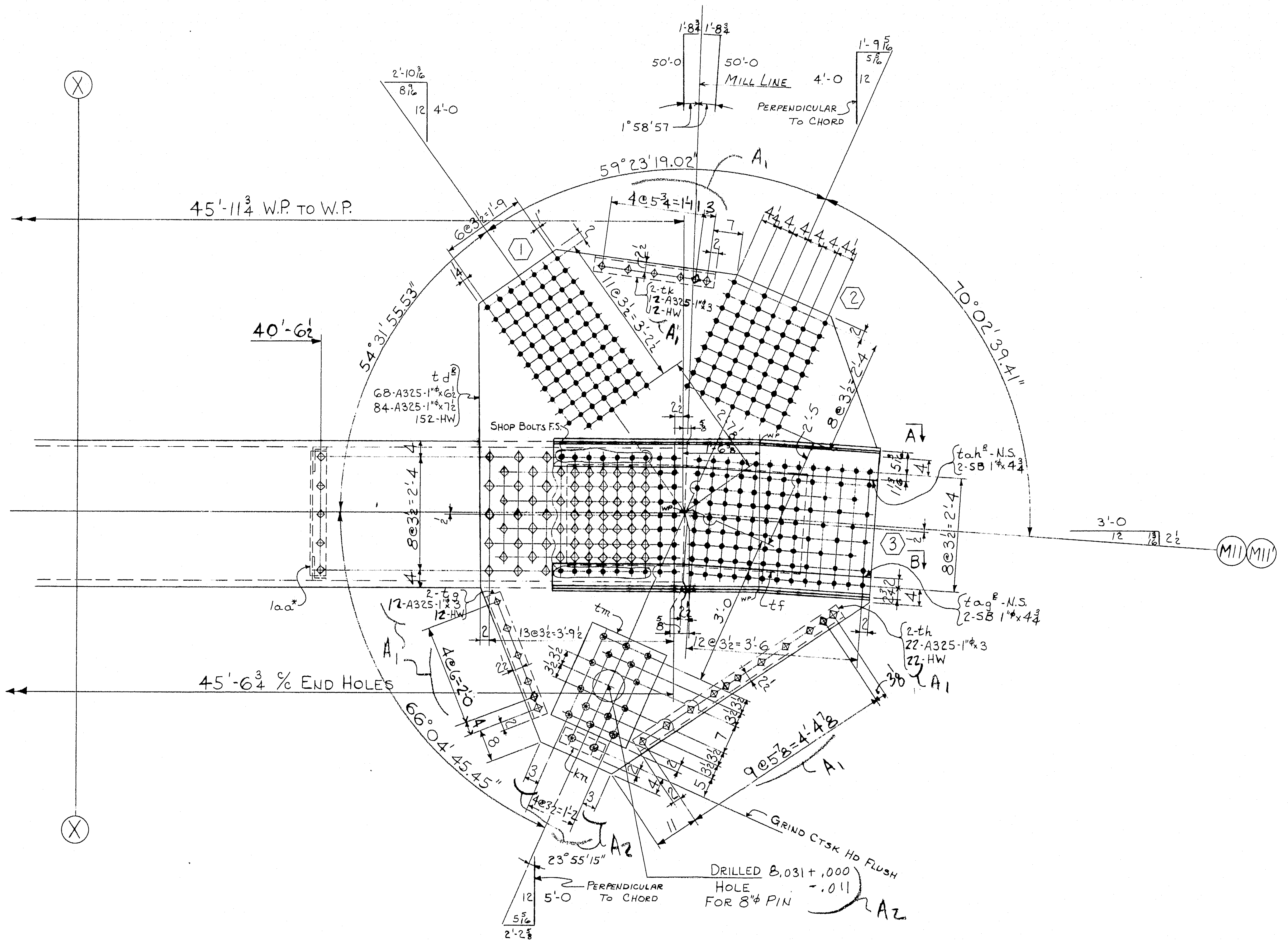
0			
9			
8			
7			
6			
5			
4			
3			
2			
1			
NO.	DATE	INIT.	
REVISION			

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

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

For location of details shown on this sheet refer to diagrams.
E9 & E11

121-52
NC TAPE



	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.

E9 & E11

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Arnold Novitzky JUN 10 1970

M10 — M11

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
A2	6-1	4/LM
A1	5-8	4/LM

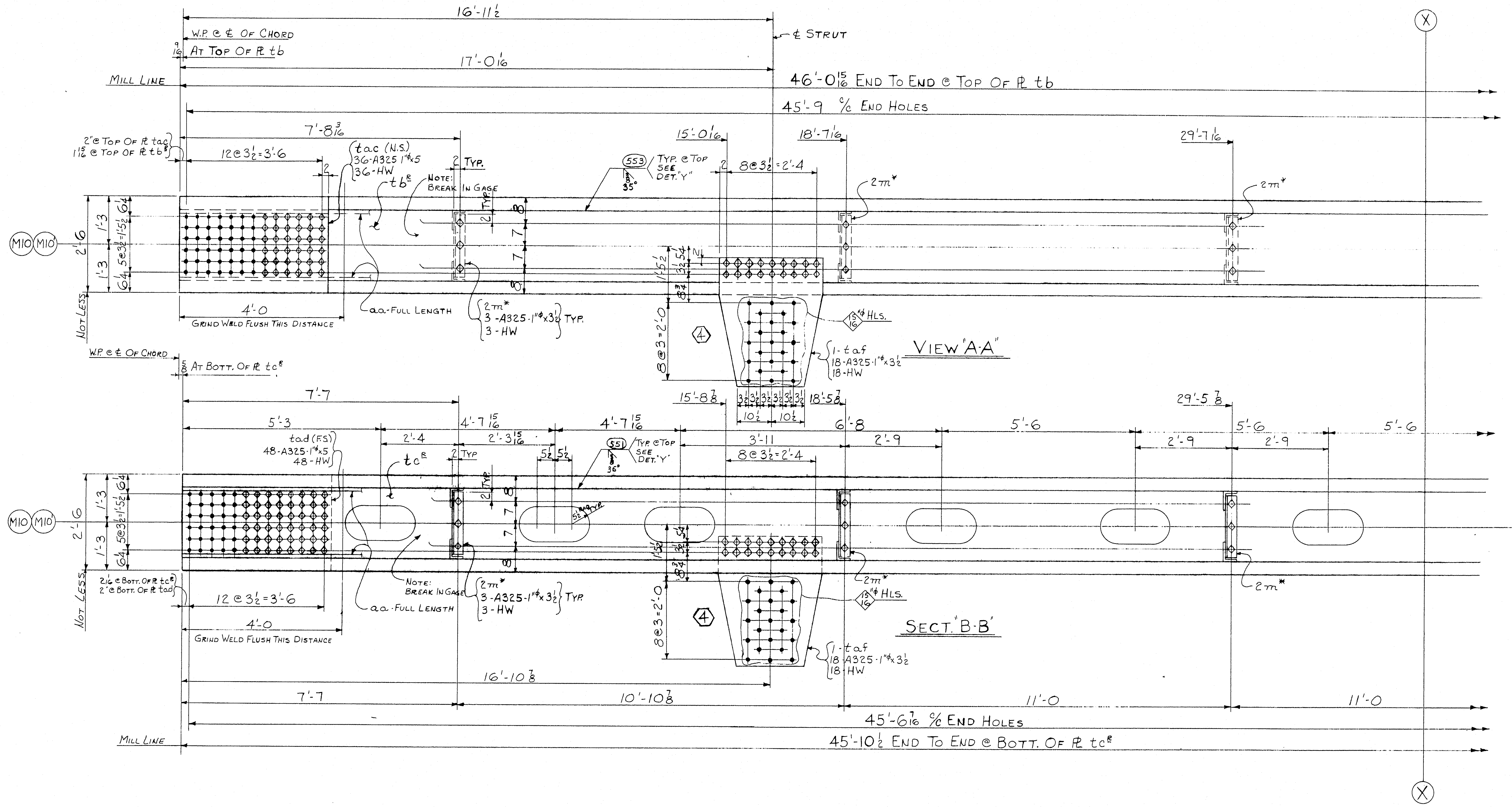
REVISION

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 KMG DATE 2-11-70 IN CHARGE LAG.
CHECKED BY LM DATE 3-18-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 248BD

121-53 NC TAPE



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M10-M11

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-3(2)36, KITTERY, MAINE

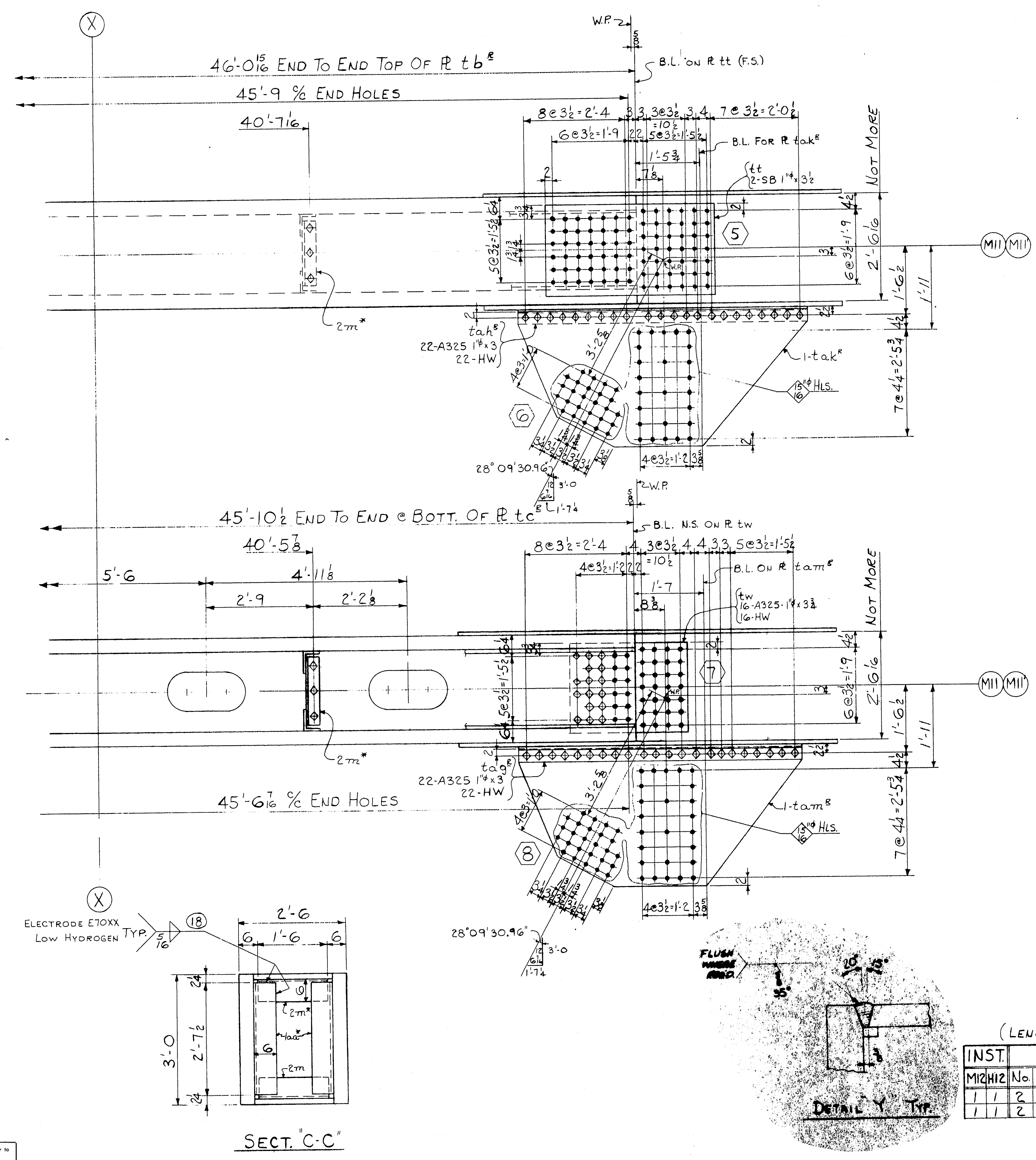
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY KMG DATE 2-11-70 IN CHARGE L.A.G.
CHECKED BY LM DATE 3-18-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 248 CD

NO.	DATE	INIT.
REVISION		

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

For location of details shown on this sheet refer to diagrams.
E9 & E11

121-54 NC TAPE



PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1		4	BOTT.	CHORDS			2-248A℞ & 2-248Aᴸ									
②	2	t a℞ᴸ	4/4	PL	36		4	46	0 15/16	M2E T2W						114	01 02
Ⓜ	3	t b℞ᴸ	2/2	PL	21¼		1½	46	0 15/16	M2E T2W						115	03
Ⓜ	4	t c℞ᴸ	2/2	PL	21¼		1½	45	10⅝	M2E T2W						115	03 04
	5	t d℞ᴸ	4/4	PL	98½		1"	10	9⅝	19'-9½ LONG CUTS TWO						169	01
	6	t f	8	PL	27½		1"	4	11							169	02
	7	t g	8	L	4	4	½	2	8							152	04
	8	t h	8	L	4	4	½	5	0							152	04
	9	t k	8	L	4	4	½	2	6							152	04
	10	t m	8	PL	20		½	2	1							169	03
	11	k n	8	BR	4		⅝	0	11	FILL						171	04
	12	1aa*	32	L	6	4	½	2	7½							117	13
	13	2m*	32	L	6	3½	½	1	6							117	14
	14	t t	4	PL	25		¾	3	10½	BENT						169	04
	15	t w	4	PL	25		¾	2	8½	BENT						169	07
	16																
	17	aa	8	BR	1		⅝	47	1	BACK-UP-BAR						116	13
	18	ab	8	BR	1		⅝	46	10⅝	BACK UP BAR						116	13
	19	FW	4	WD			5/16	24	0								
	20	V35	4	WD			1½	183	11								
	21		8	MB	1"φ			0	3½	RHH RHN						AM26	
	22	A₁ ~	240	325	1"φ			0	3							AM26	
	23		240	325	1"φ			0	3½							AM26	
	24		64	325	1"φ			0	3¾							AM26	
	25		160	325	1"φ			0	6							AM26	
	26		272	325	1"φ			0	6½							AM26	
	27		336	325	1"φ			0	7½							AM26	
	28	(A₁ ~	1648	HW	2"φ	1 1/16"φ	3/16									AM26	
	29		16	MB	1"φ			0	3½							AM26	
	30		128	RIV.	1"φ					CKTS 1 SIDE						AM25	
	31		336	325	1"φ			0	5							AM26	
	32	tac	4	PL	30		2	3	10	FILL M1E						157	10
	33	tad	4	PL	30		2	3	10	FILL M1E						157	10
	34	taf	8	PL	32		⅝	3	4							88	19) D3
	35	tag℞ᴸ	2/2	L	8	8	⅞	6	6	CUT TO 6x4 (BENT)						153	15
	36	tah℞ᴸ	2/2	L	8	8	⅞	6	8	CUT TO 6x4 (BENT)						153	16
	37	tak℞ᴸ	2/2	PL	38¼		⅝	6	8	BENT 11'-3 LG CUTS TWO						169	10
	38	tam℞ᴸ	2/2	PL	38¼		⅝	6	6	BENT 11'-1 LG CUTS TWO						169	10
	39																
	40																
	41																
	42																
	43																
	44																
	45																
	46																
	47																
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	62																

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NEW YORK, N. Y.
BY JUN 10 1970

~~ELECTRODES - E70XX LOW HYDROGEN~~ A2

(ELECTRODES E11018M LOW HYDROGEN M10-M11
(EXCEPT AS NOTED)

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11"x22" HANDHOLES

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

MATERIAL
SHAPES - T1 PREFIX - t
PLATES - A517 PREFIX - t
ASTM - A588 PREFIX - k
ASTM - A36 NO PREFIX

RIVETS OR BOLTS 1"φ
OPEN HOLES 1 1/16"φ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES N.P.
WELDING AS NOTED
PAINT 1-CT. RED LEAD AASHO-M72, TYP II SEE NOTE "X"

(LENGTH CORR. FOR TEMPERATURE)

INST. M12	INST. H12	REQUIRED LIST No.	DESCRIPTION	MARK	REMARKS
1	1	2	BOTT. CHORD	248A℞	10'-10x5'-9¾x50'-0
1	1	2	Do.	248Aᴸ	Do

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
D3	1/6	LG
A2	6-1	LM
A1	5-8	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

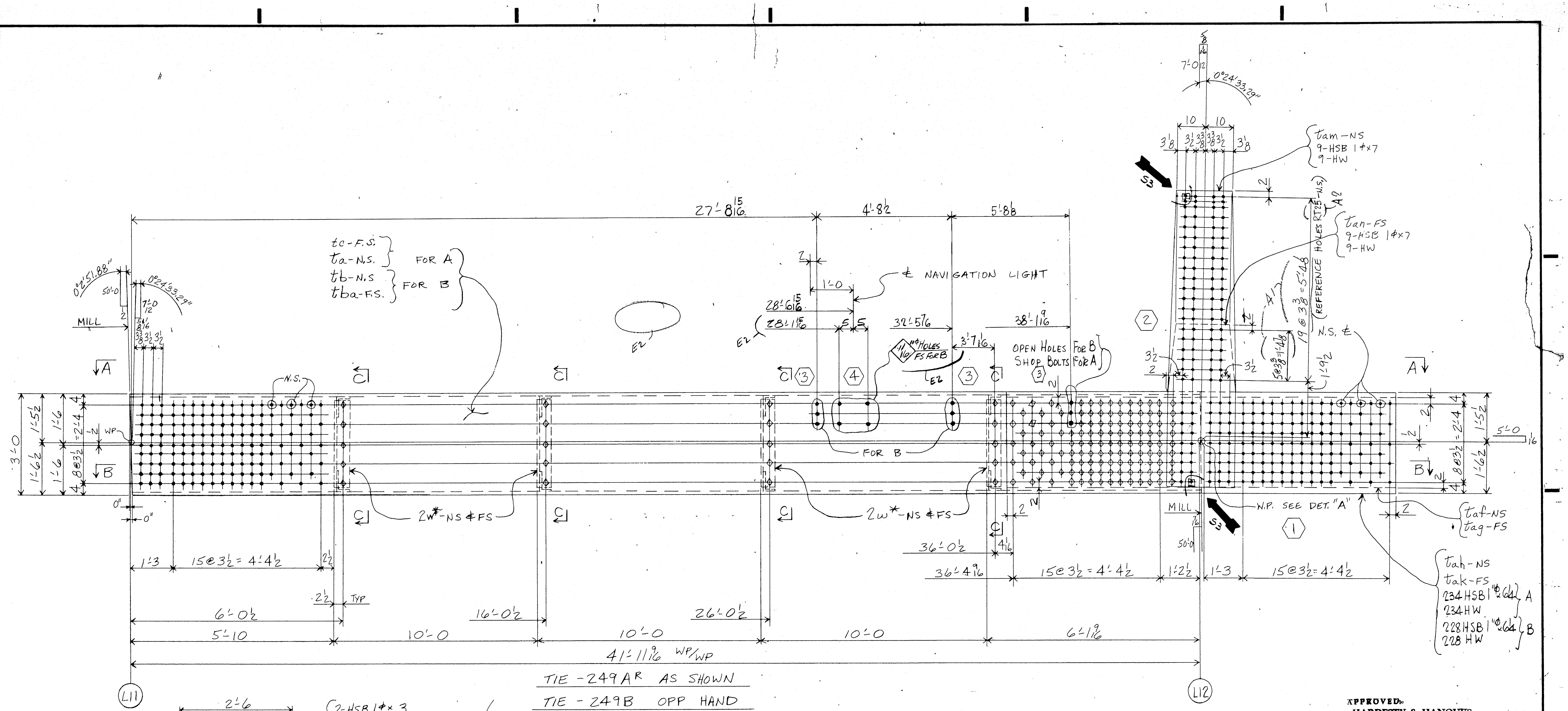
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY KMG DATE 2-12-70 IN CHARGE LAG
CHECKED BY LM DATE 3-18-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 248DD

35453 (Rev.D 8-69)

121-55 NC TAPE

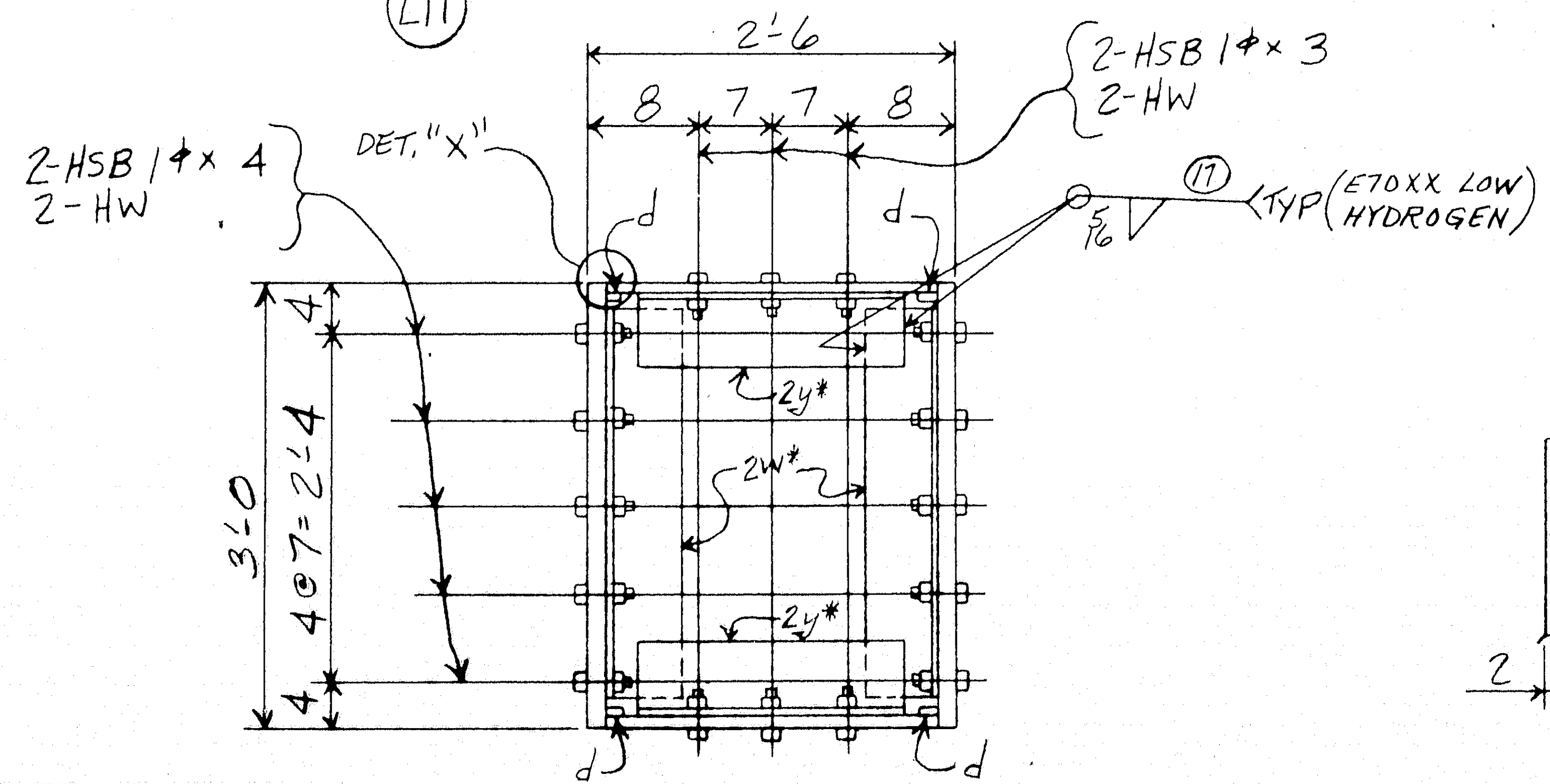
For location of details shown on this sheet refer to diagrams.

E9 & E11

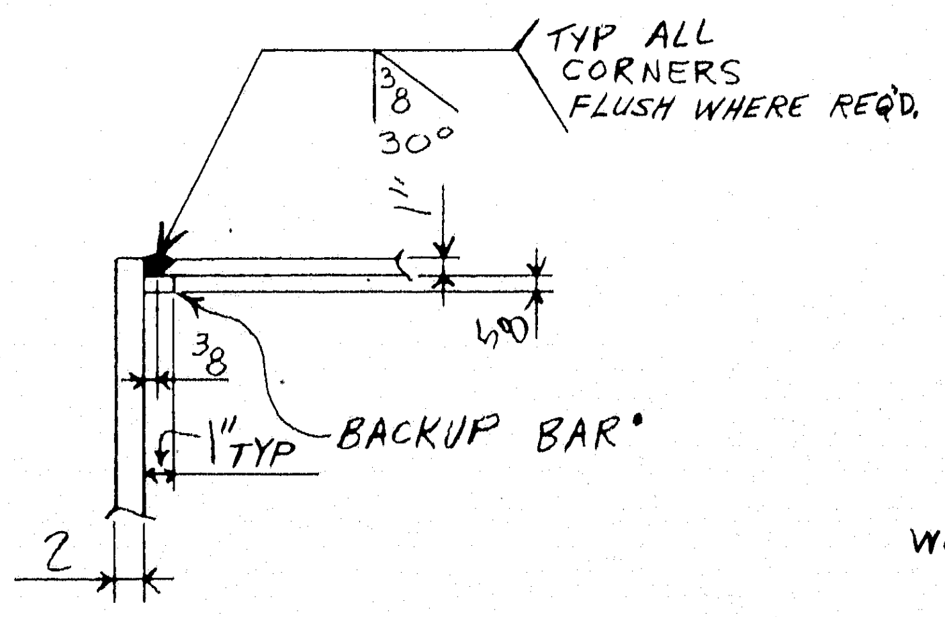


TIE-249A^R AS SHOWN

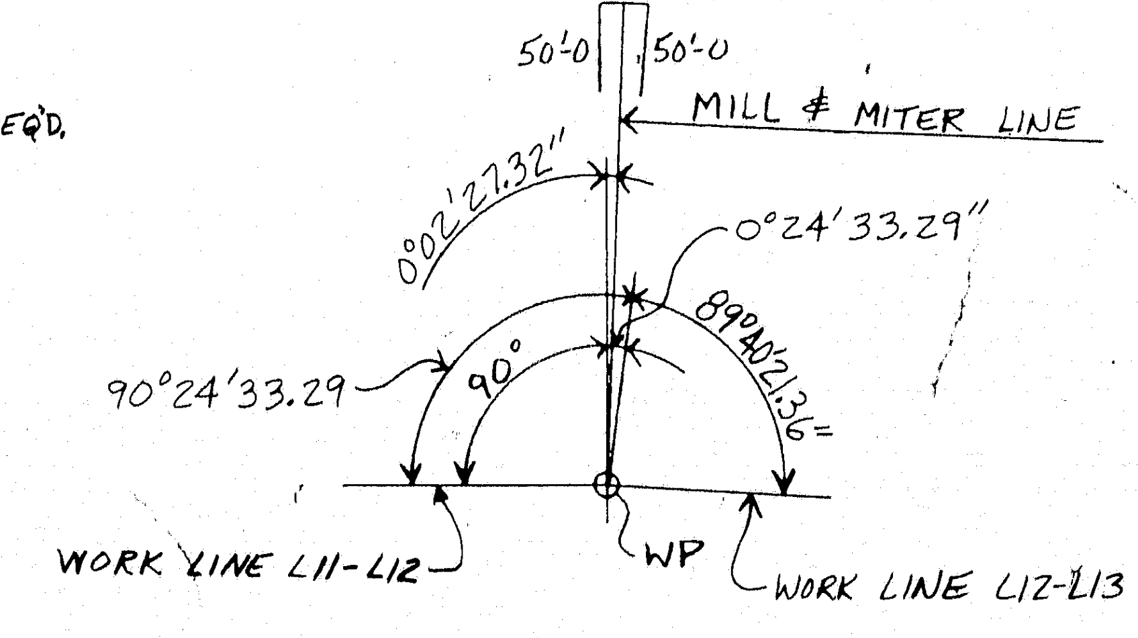
TIE-249B OPP HAND



SEC. "C-C"



DETAIL "X"



DETAIL "A"

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT FOR 22"x 11" SLOTS.

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES E11018-M UNLESS NOTED (LOW HYDROGEN)

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

E9 & E11

APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Anatol Novitzky NOV 3 1970

L11-L12

LENGTH CORRECTED FOR TEMPERATURE

MATERIAL	SEE SHT #249BB
RIVETS OR BOLTS	
OPEN HOLES	
A325 FIELD BOLTS	
SHOP CONTACT SURFACES	
PAINT	

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
S3	2/10	2/LG
E2	10/21	LG
A1	4-1	CD

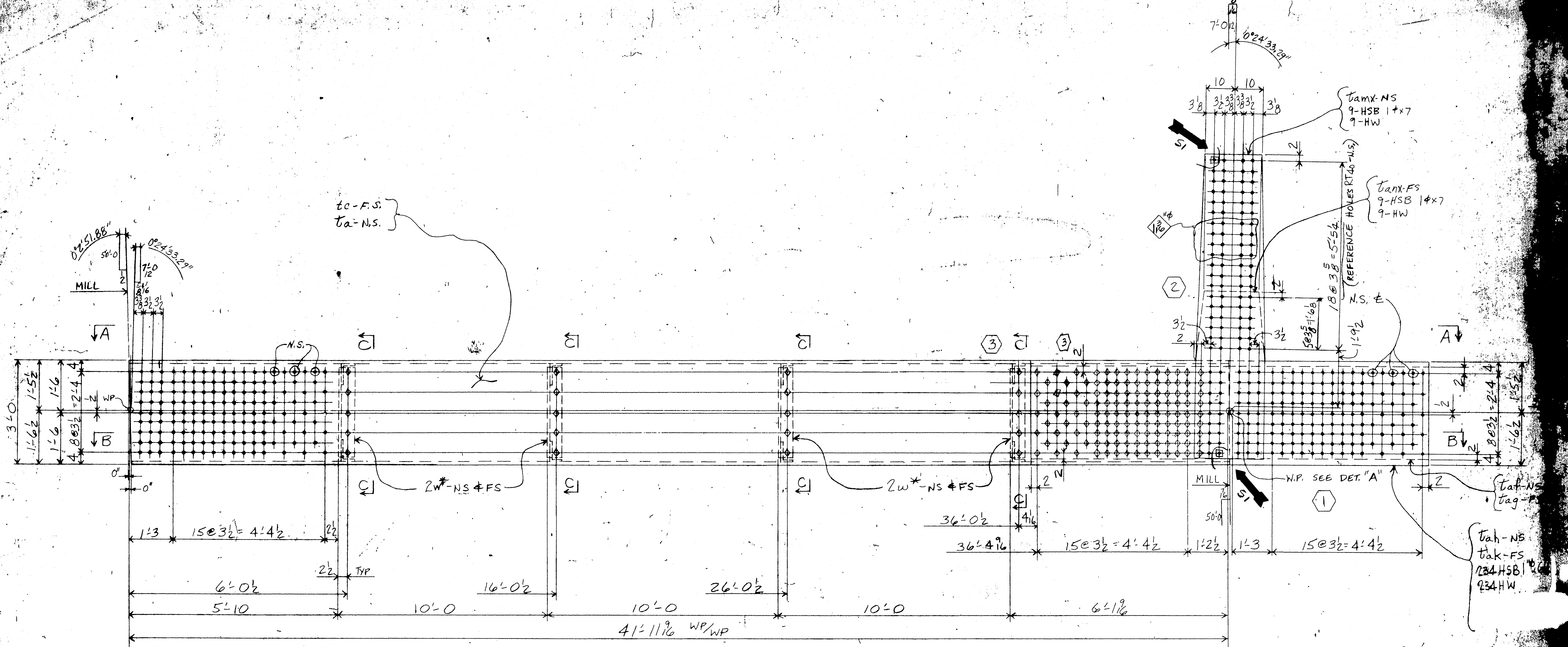
REVISION

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

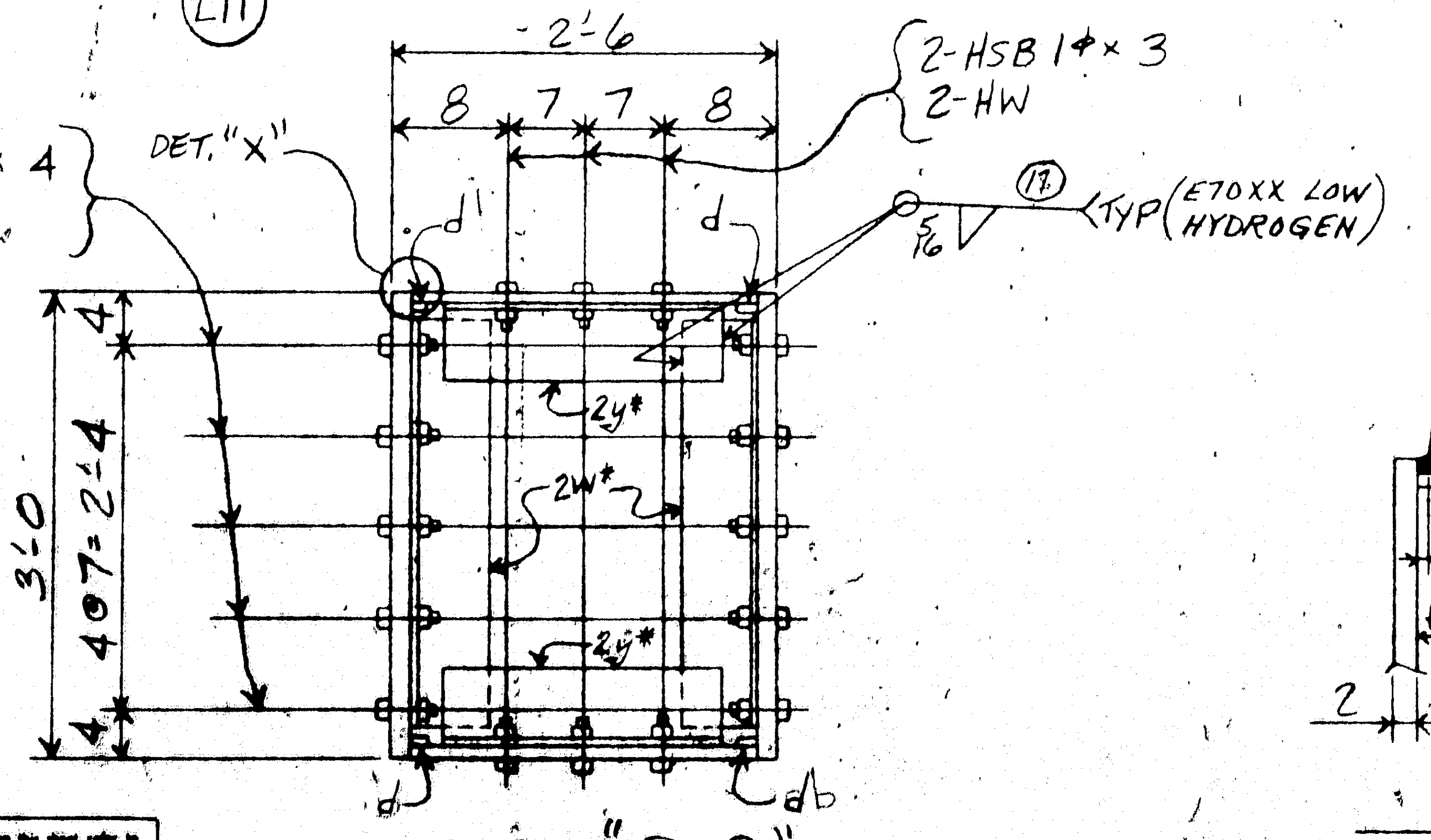
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 2-11-70 IN CHARGE LG
CHECKED BY CAD DATE 3-13-70 SHOP NO.
CONTRACT CG6290-065 DRAWING NO. 249AB

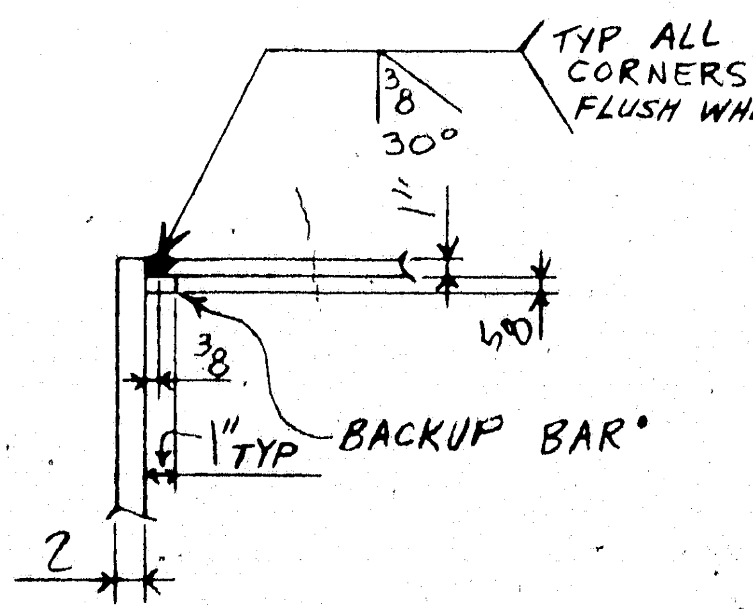
NC TAPE 121-56



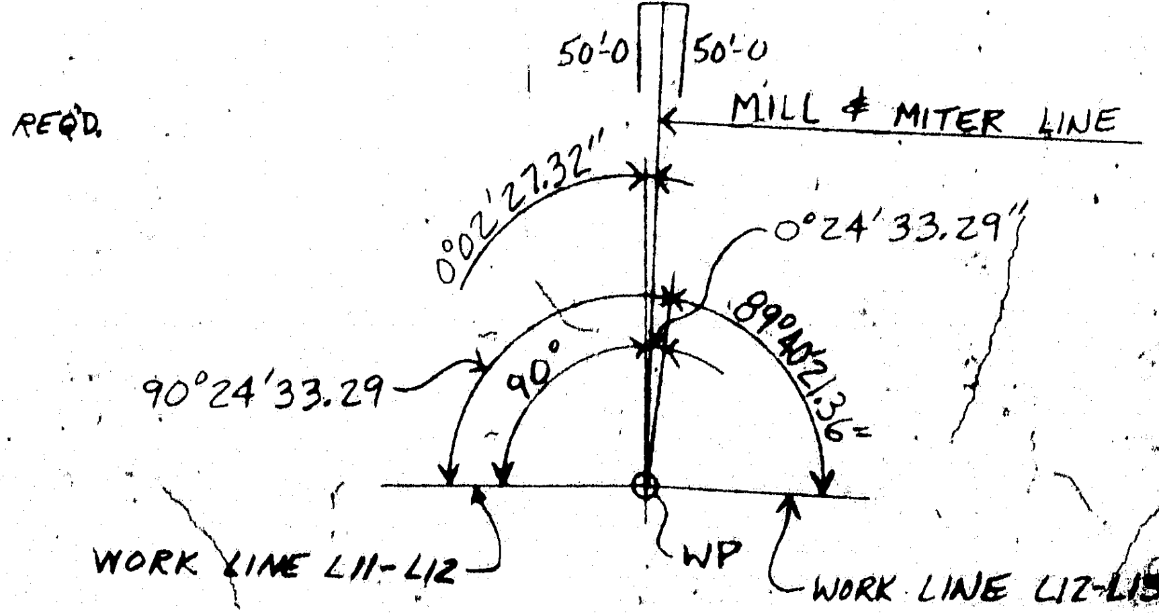
TIE-249ARX



SEC. "C-C"



DETAIL "X"



DETAIL "A"

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT FOR 22"x 11" SLOTS.

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT
SEE SHT #249BB

ELECTRODES E11018-M UNLESS NOTED. (LOW HYDROGEN)

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY Arnold Noorily JAN 28 1971

LENGTH CORRECTED FOR TEMPE

NO.	DATE	INT.
0		
9		
8		
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6		
5		
4		
3		
2		
S1	2/10	2/16

REVISION

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

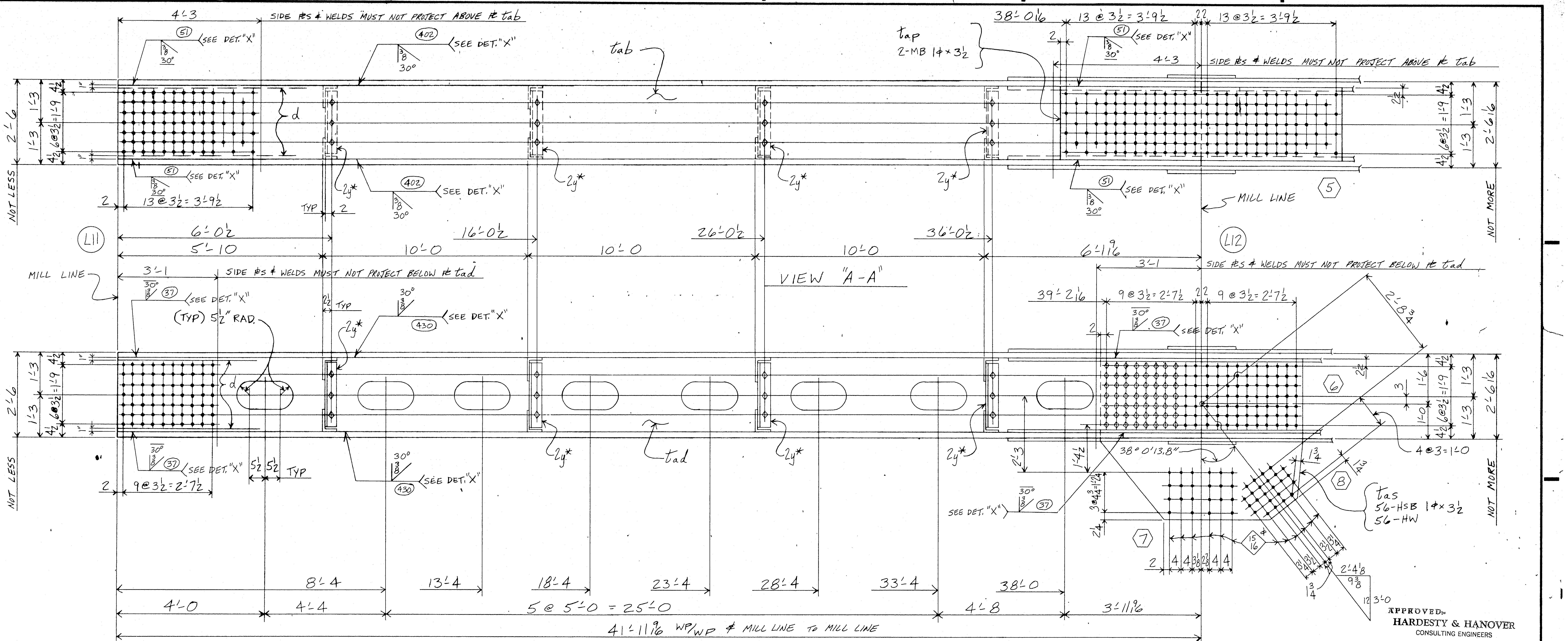
CUSTOMER
MAINE STATE HIGHWAY COM
HARDESTY AND HANOVER CONSUL
STRUCTURE
PISCATAQUA RIVER BRIDGE, CON
PROJECT #1-95-1(22)16, KITTE

BETHLEHEM STEEL CORP
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM
MADE BY HB DATE 2-1-70
CHECKED BY CAD DATE 8-13-70
CONTRACT C66290-065

The location of details shown on this sheet refer to
"E9 & E11

121-57

L11-L



APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Anuf Noivzly JAN 28 1971

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

E9 ⁊ E11

				SHOP BILL							MILL ORDER						
PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		3	-TIES	: 1-249A^R, 1-249A^L ⁊ 1-249B												
②	2	t a	2	PL	36		2	41	11 9/16	A (M2E ⁊ T2W)			42	1¾		137	1
②	3	t b	1	PL	36		2	41	11 9/16	B (M2E ⁊ T2W)			42	1¾		137	1
②	4	t ba	1	PL	36		2	41	11 9/16	B (M2E ⁊ T2W)			42	1¾		137	1
Ⓜ	5	t ab	3	PL	25¼		1	41	11 9/16	(M2E ⁊ T2W)			42	1¾		136	6
②	6	t c	2	PL	36		2	41	11 9/16	A (M2E ⁊ T2W)			42	1¾		137	1
Ⓜ	7	t ad	3	PL	25¼		1	41	11 9/16	(M2E ⁊ T2W)			42	1¾		136	6
	8	2w*	24	∠	6	4	½	2	7½				2	8		144	15
	9	2y*	24	∠	6	3½	½	1	9¾				2	1		144	16
	10	t af	3	PL	32⅛		1½	11	6½				11	6½		182	1
	11	t ag	3	PL	32⅛		1½	11	6½				11	6½		182	1
	12	t ah	3	PL	36⅛		1¼	11	6½				11	6½		181	3
	13	t ak	3	PL	36⅛		1¼	11	6½				11	6½		181	3
	14	t am	3	PL	24¾		¾	8	8⅛	A¹			8	9¼		181	1
	15	t an	3	PL	24¾		¾	4	8⅞				4	10¼		181	2
	16	t ap	3	PL	26		1¼	8	3				8	3		181	5
	17	t as	3	PL	56½		1	5	11				5	11		181	4
	18	d	12	BR	1		⅝	42	11 9/16	BACKUP BAR			43	2		142	13
	19																
	20																
	21																
	22																
	23																
	24																
	25		6	MB	1⌀			0	3½	RHH ⁊ HHN (SB)						AM	27
	26		72	325	1⌀			0	3							AM	26
	27		120	325	1⌀			0	4							AM	26
	28		168	325	1⌀			0	3½							AM	21
	29		468	325	1"⌀			0	6¼	A						AM	21
	30		228	325	1⌀			0	6¼	B						AM	21
	31																
	32		54	325	1⌀			0	7							AM	21
	33		744	HW	2	1 1/16	3/16			A						AM	21
	34		366	HW	2	1 1/16	3/16			B						AM	21
	35																
	36																
	37	FW	3	WD			5/16	22	8								
	38	B30	3	WD			1"	168	0								
	39																
	40																
	41																
	42																
	43																
	44																
	45																
	46																
	47																
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	67																
	68																
	69																

D2

		1		1	TIE 9'-1 x 5'-1 x 47'-10	249B	
			1	1	〃	249A^L	
		1		1	〃	249A^R	
		H14	M14	NO.	D2 DESCRIPTION	MARK	REMARKS
INST.				REQUIRED LIST			

L11-L12

MATERIAL { ASTM-A517 PREFIX - t / ASTM-A36 PREFIX - NONE
RIVETS OR BOLTS — 1⌀
OPEN HOLES — 1 1/16⌀ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES — NO PAINT
WELDING - AS NOTED
PAINT - 1 CT. RED LEAD
AASHO-M72 TYPE II
UNLESS NOTED
SEE NOTE "X"

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	1-18	ET
A1	4-1	CD
REVISION		

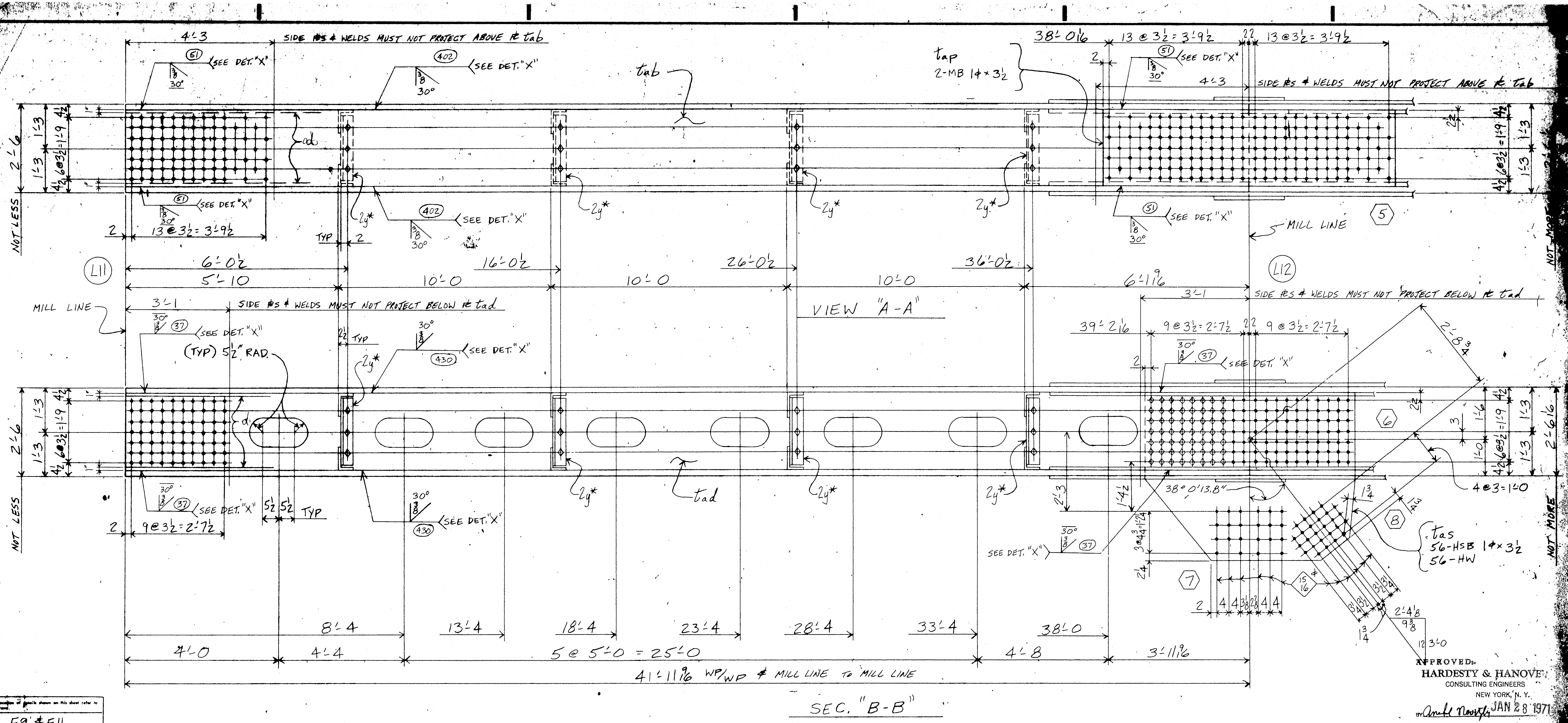
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 2-11-70 IN CHARGE LG
CHECKED BY CAD DATE 3-13-70 SHOP NO.
CONTRACT CG6290-065 DRAWING NO. 249BB

121-58 NC TAPE



SEC. "B-B"

APPROVED
HARDESTY & HANOVE
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Anfl Noorzly JAN 28 1971

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

E9 & E11

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		1	-TIES		249A RX											
②	2	t a	1	PL	36		2	41	11 9/16	(M2E & T2W)			42	1¾		137	1
	3																
	4																
Ⓜ	5	t ab	1	PL	25¼		1	41	11 9/16	(M2E & T2W)			42	1¾		136	6
②	6	t c	1	PL	36		2	41	11 9/16	(M2E & T2W)			42	1¾		137	1
Ⓜ	7	t ad	1	PL	25¼		1	41	11 9/16	(M2E & T2W)			42	1¾		136	6
	8	2w*	8	∠	6	4	½	2	7½				2	8		144	15
	9	2y*	8	∠	6	3½	½	1	9¾				2	1		144	16
	10	t af	1	PL	32⅛		1½	11	6½				11	6½		182	1
	11	t ag	1	PL	32⅛		1½	11	6½				11	6½		182	1
	12	t ah	1	PL	36⅛		1¼	11	6½				11	6½		181	3
	13	t ak	1	PL	36⅛		1¼	11	6½				11	6½		181	3
	14	t amX	1	PL	24¾		¾	8	9¼				8	9¼		181	1
	15	t anX	1	PL	24¾		¾	4	10⅛				4	10¼		181	2
	16	t ap	1	PL	26		1¼	8	3				8	3		181	5
	17	t as	1	PL	56½		1	5	11				5	11		181	4
	18	d	4	BR	1		⅝	42	11 9/16	BACKUP BAR			43	2		142	13
	19																
	20																
	21																

25		2	MB	1⌀			0	3½	RHH & HHN (SB)	AM	27
26		24	325	1⌀			0	3		AM	26
27		40	325	1⌀			0	4		AM	26
28		56	325	1⌀			0	3½		AM	21
29		234	325	1"⌀			0	6¼		AM	21
32		18	325	1⌀			0	7		AM	21
33		372	HW	2	1 1/16	3/16				AM	21
37	FW	1	WD			5/16	22	8			
38	B30	1	WD			1"	168	0			

		1	1	TIE 9'-1 × 5'-1 × 47'-10	249A RX
		M14	NO.	DESCRIPTION	MARK
INST.				REQUIRED LIST	

L11-L

MATERIAL
ASTM-A517 PREFIX - t
ASTM-A36 PREFIX - NONE
RIVETS OR BOLTS - 1⌀
OPEN HOLES - 1 1/16⌀ U.N.
A325 FIELD BOLTS -
SHOP CONTACT SURFACES - NO PAINT
WELDING - AS NOTED
PAINT - 1 CT. RED LEAD AASHO-M72 TYPE II UNLESS NOTED SEE NOTE "X"

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

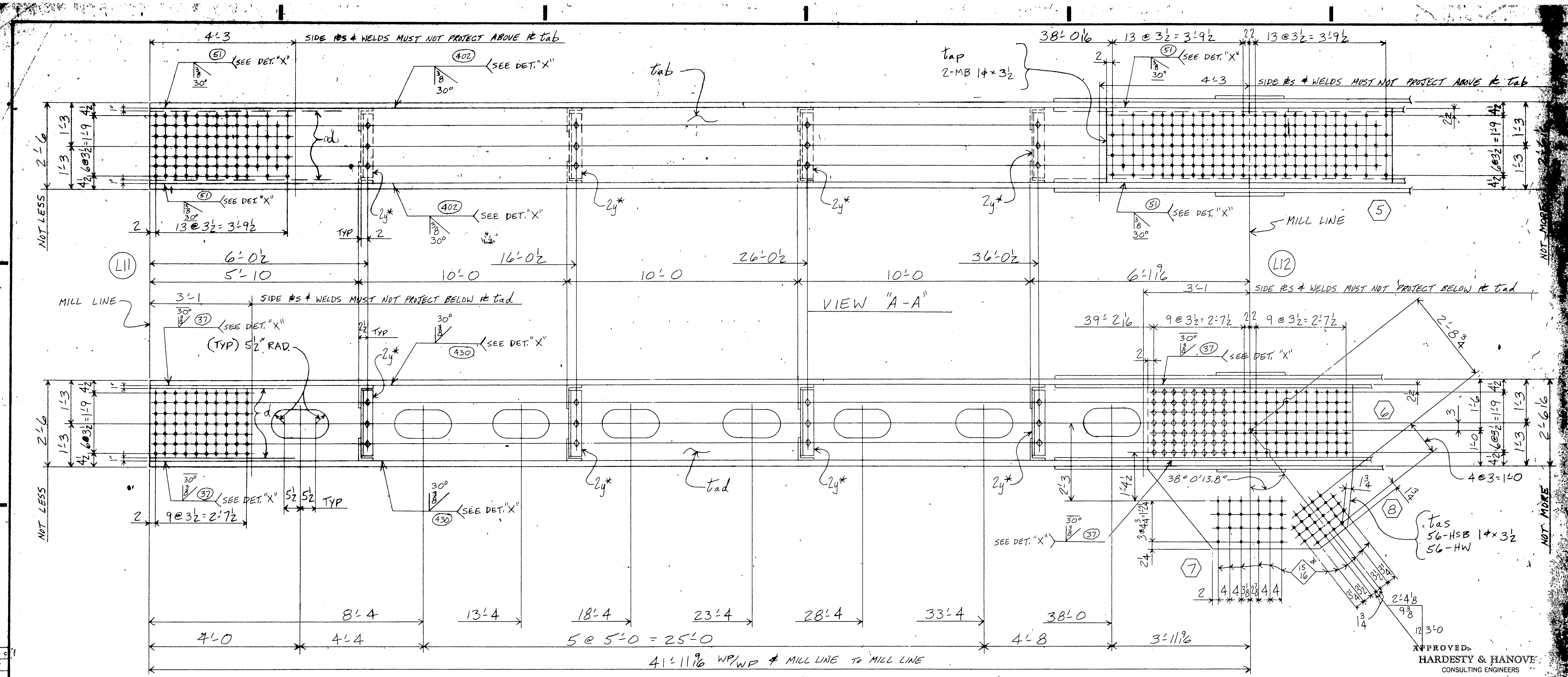
NO.	DATE	INIT.
A1	4-1	CD

REVISION

CUSTOMER
MAINE STATE HIGHWAY COMM
HARDESTY AND HANOVER CONSULT
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONT
PROJECT #1-95-1(22)16, KITTERY,

BETHLEHEM STEEL CORPORA
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAG
MADE BY WB DATE 2-11-70
CHECKED BY CAD DATE 3-13-70
CONTRACT CG6290-065

121-59



SEC. "B-B"

APPROVED
HARDESTY & HANOVE
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Arnold Noortz JAN 28 1971

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

E9 & E11

Product Type	Line	Assembly Mark	No.	Shape	Section Size	Section Size or Pounds	Section Thick	Length Ft.	Length In.	Remarks	Mill Order Width	Mill Order Thick	Mill Order Length Ft.	Mill Order Length In.	Stock	Item Page	Item Line
	1		1	-TIES		249A RX											
②	2	t a	1	PL	36		2	41	11 9/16	(M2E & T2W)			42	1 3/4		137	1
	3																
	4																
Ⓜ	5	t ab	1	PL	25 1/4		1	41	11 9/16	(M2E & T2W)			42	1 3/4		136	6
②	6	t c	1	PL	36		2	41	11 9/16	(M2E & T2W)			42	1 3/4		137	1
Ⓜ	7	t ad	1	PL	25 1/4		1	41	11 9/16	(M2E & T2W)			42	1 3/4		136	6
	8	2w*	8	∠	6	4	1/2	2	7 1/2				2	8		144	15
	9	2y*	8	∠	6	3 1/2	1/2	1	9 3/4				2	1		144	16
	10	t af	1	PL	32 1/8		1 1/2	11	6 1/2				11	6 1/2		182	1
	11	t ag	1	PL	32 1/8		1 1/2	11	6 1/2				11	6 1/2		182	1
	12	t ah	1	PL	36 1/8		1 1/4	11	6 1/2				11	6 1/2		181	3
	13	t ak	1	PL	36 1/8		1 1/4	11	6 1/2				11	6 1/2		181	3
	14	t amX	1	PL	24 3/4		3/4	8	9 1/4				8	9 1/4		181	1
	15	t anX	1	PL	24 3/4		3/4	4	10 1/8				4	10 1/4		181	2
	16	t ap	1	PL	26		1 1/4	8	3				8	3		181	5
	17	t as	1	PL	56 1/2		1	5	11				5	11		181	4
	18	a	4	BR	1		5/8	42	11 9/16	BACKUP BAR			43	2		142	13
	19																
	20																
	21																

Line	Assembly Mark	No.	Shape	Size	Size or Pounds	Thick	Ft.	In.	Remarks	Stock	Page
22											
23											
24											
25		2	MB	1φ			0	3 1/2	RHH & HHN (SB)	AM	27
26		24	325	1φ			0	3		AM	26
27		40	325	1φ			0	4		AM	26
28		56	325	1φ			0	3 1/2		AM	21
29		234	325	1"φ			0	64		AM	21
30											
31											
32		18	325	1φ			0	7		AM	21
33		372	HW	2	1 1/16	3/16				AM	21
34											
35											
36											
37	FW	1	WD			5/16	22	8			
38	B30	1	WD			1"	168	0			
39											
40											
41											
42											
43											
44											
45											

			1	1	TIE 9'-1 x 5'-1 x 47'-10	249A RX	
			M14	NO.	DESCRIPTION	MARK	
INST.					REQUIRED LIST		

L11-L

MATERIAL {ASTM-A517 PREFIX - t / ASTM-A36 PREFIX - NONE}
RIVETS OR BOLTS - 1φ
OPEN HOLES - 1 1/16φ U.N.
A325 FIELD BOLTS -
SHOP CONTACT SURFACES - NO PAINT
WELDING - AS NOTED
PAINT - 1 CT. RED LEAD AASHO-M72 TYPE II UNLESS NOTED
SEE NOTE "X"

NO.	DATE	INIT.
A	4-1	CD

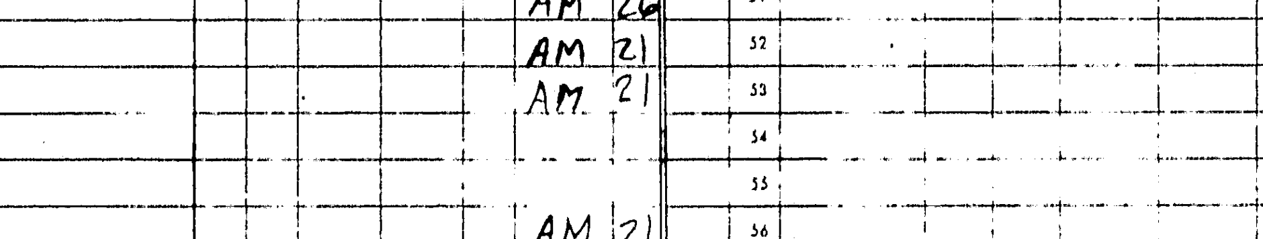
REVISION

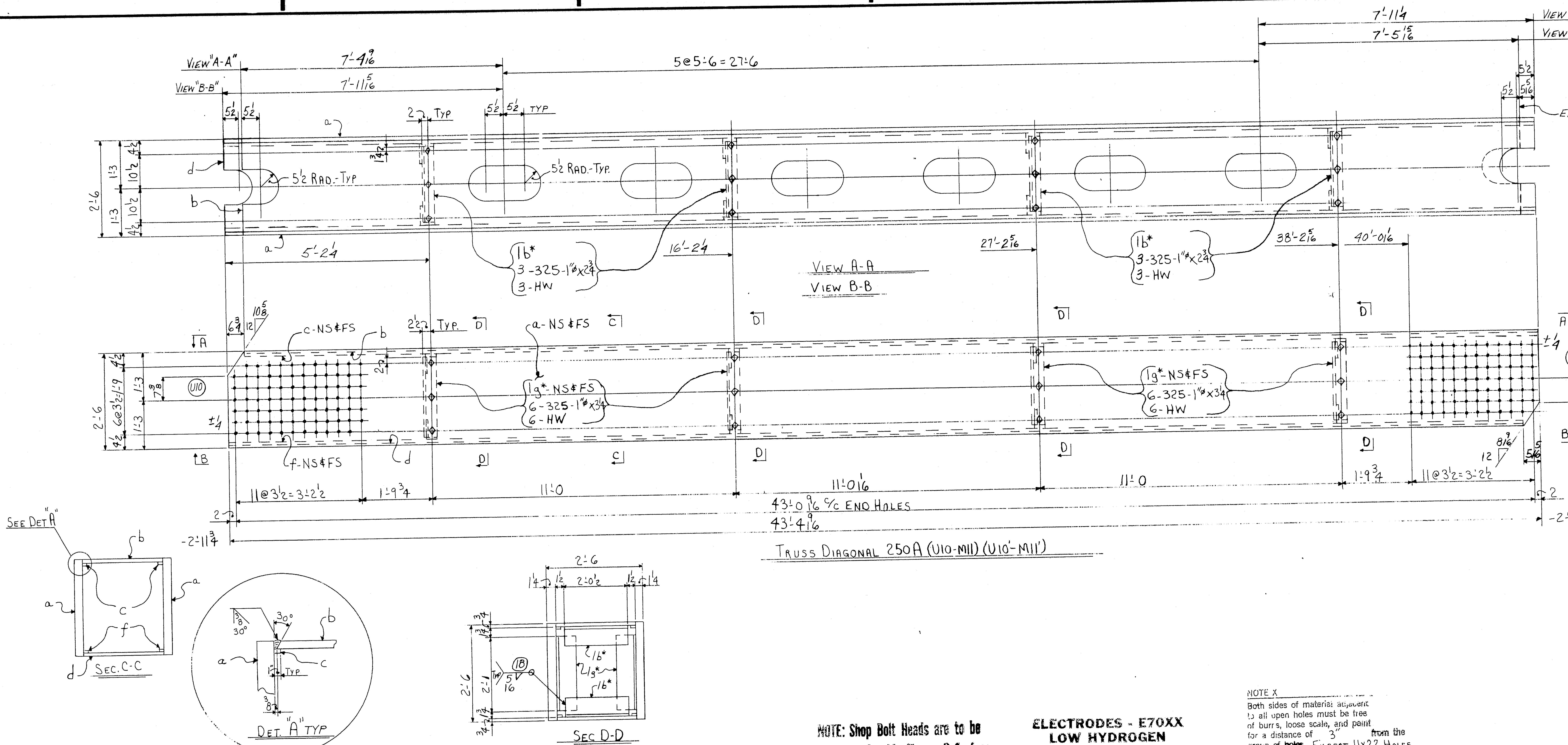
SUBMITTAL 1 2 3 4 5 6 7 8 9 0
DATE

CUSTOMER
MAINE STATE HIGHWAY COMM
HARDESTY AND HANOVER CONSULT
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONT
PROJECT #1-95-1(22)16, KITTERY,

BETHLEHEM STEEL CORPORA
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAG
MADE BY WB DATE 2-11-70 IN CHARGE LG
CHECKED BY CAD DATE 3-13-70 SHOP NO.
CONTRACT CG6290-065 DRAWING NO. 2

121-59





NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES - E70XX LOW HYDROGEN

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes, Except 11x22 Holes.

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW MAY 25 1970

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

E9 & E11

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT	LENGTH IN	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		4- TRUSS DIAGONAL- 250A (U10-M11)(U10'-M11')														
2	2	a	8	PL	30		1 1/4	43	4 9/16				43	6		185	1
M	3	b	4	PL	26 3/4		3/4	42	9 13/16				43	6		185	2
	4	1g*	32	L	6	4	1/2	2	1				2	3		187	1
	5	1b*	32	L	6	3 1/2	1/2	2	0 1/2				2	2 1/2		187	2
	6	c	8	BR	1		5/8	43	9 3/4				44	6		186	1
M	7	d	4	PL	26 3/4		3/4	42	11 1/4								
	8	f	8	BR	1		5/8	43	11 3/4								
	9																
	10		96	325	1"φ			0	3 1/4							AM26	
	11		96	325	1"φ			0	2 3/4							AM26	
	12		192	HW	2"φ	1 1/16	3/16									AM26	
	13																
	14																
	15																
	16	FW	4	WD			5/16	24	0								
	17	B30	4	WD			3/4	171	6								
	18																
	19																
	20																
	21																

		NO.	DESCRIPTION	MARK	REMARKS
2	2	4	TRUSS DIAGONAL	250A	2'-6x2'-6x44'-0
M12	H12				

INST. REQUIRED LIST

LENGTH CORR. FOR TEMP.

TRUSS DIAGONAL (U10-M11)-(U10'-M11')

MATERIAL - ASTM-A36
BOLTS 1"φ
OPEN HOLES - 1 1/16"φ U.N.
A325 FIELD BOLTS -
SHOP CONTACT SURFACES - N.P.
WELDING - AS NOTED
PAINT - 1-CT. RED LEAD- AASHO-M72, TYPE II UN
SEE NOTE 'X'

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

REVISION: NO. DATE INIT.

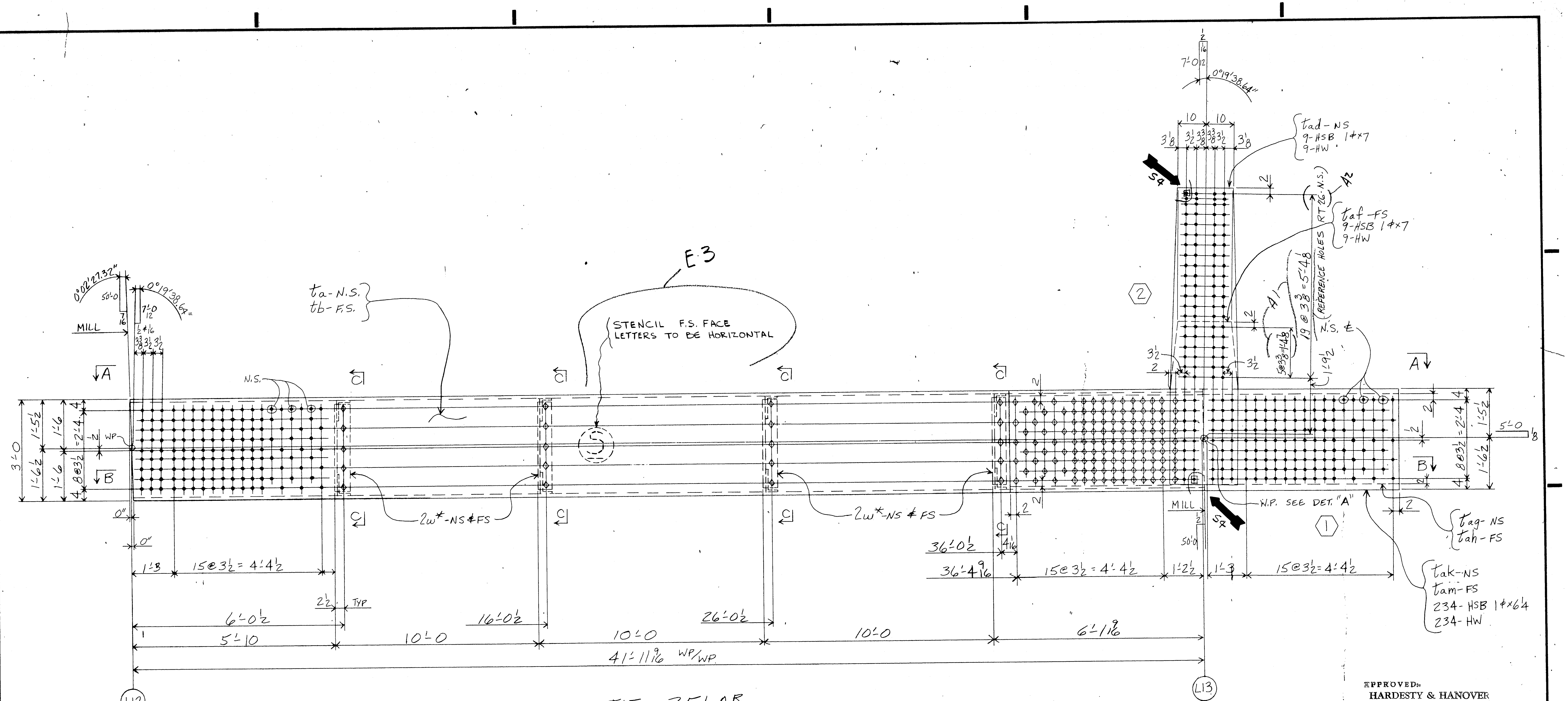
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY GCY DATE IN CHARGE LAG
CHECKED BY DATE SHOP NO.
CONTRACT CG 6290-062 DRAWING NO. 250

35042 (Rev.E 8-69)

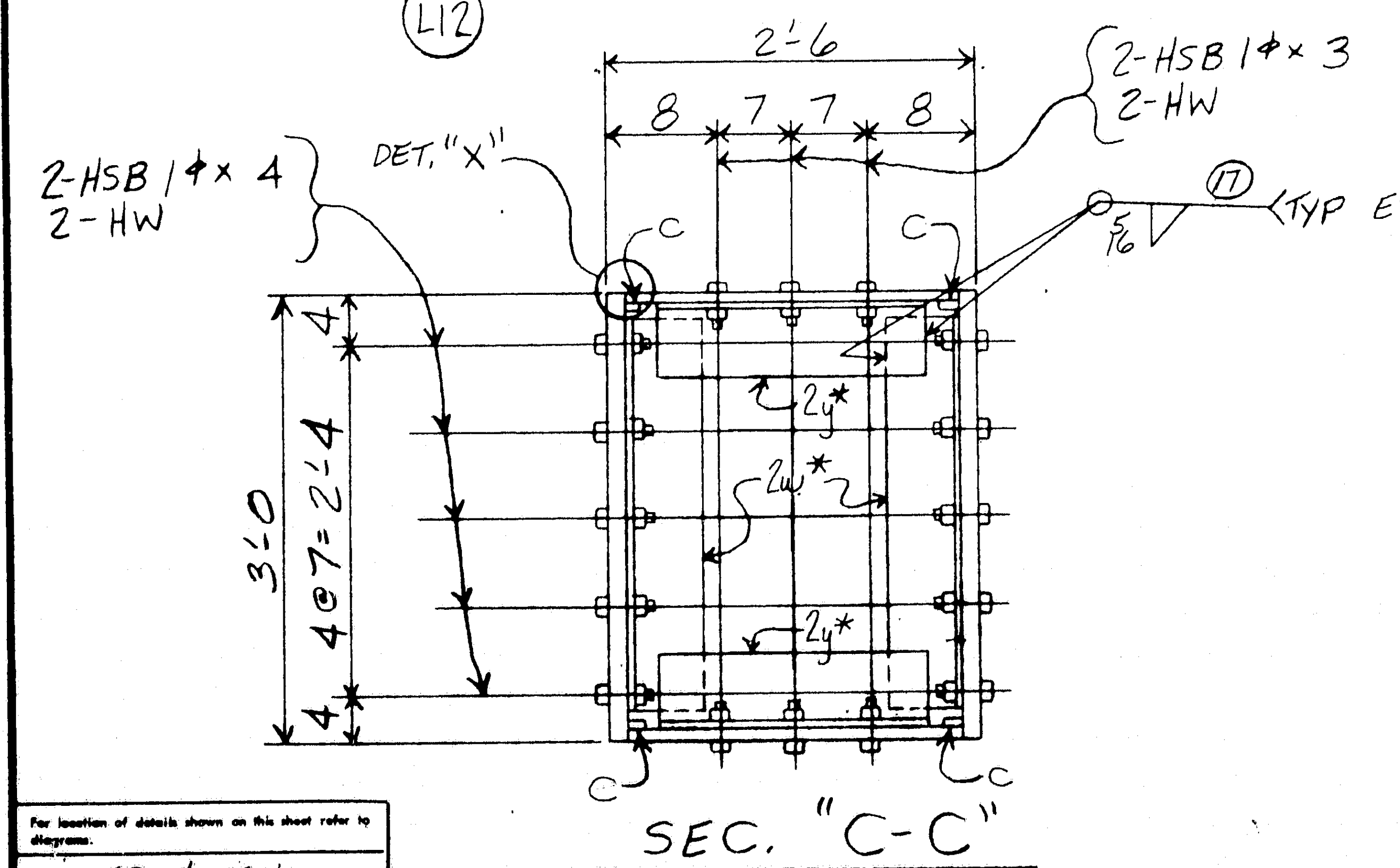
(NC TAPE) 121-60



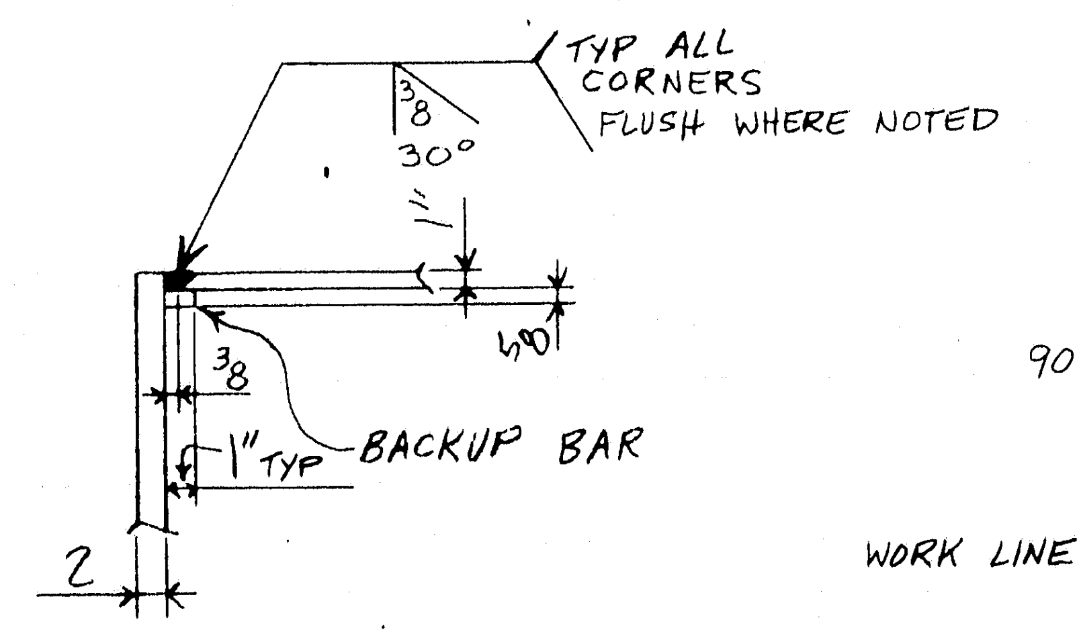
TIE - 251 A^R

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Donald Novotny JUN 3 1970

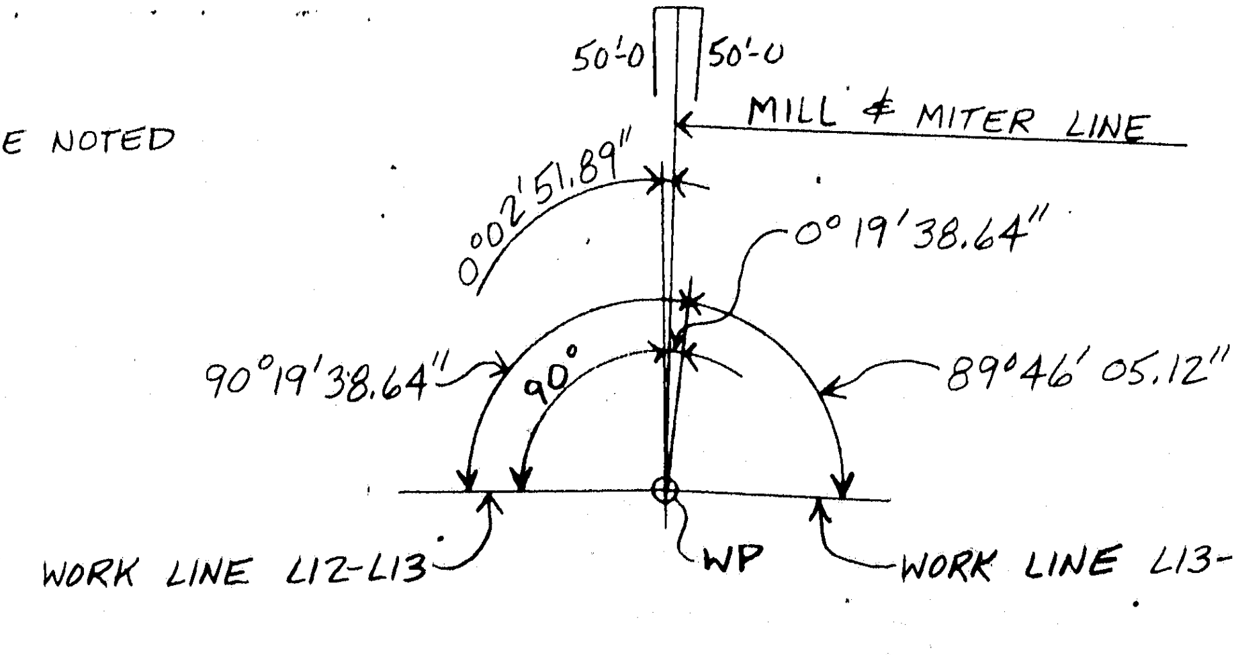
L12-L13



SEC. "C-C"



DETAIL "X"



DETAIL "A"

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT FOR 22"×11" SLOTS.

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES E11018-M (U.N.)
(LOW HYDROGEN).

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

SEE SHT #251BB

LENGTH CORRECTED FOR TEMPERATURE

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
S4	2/10	2/LG
E3	5/22	RP
A2	4·20	CD
A1	4-1	CD

REVISION

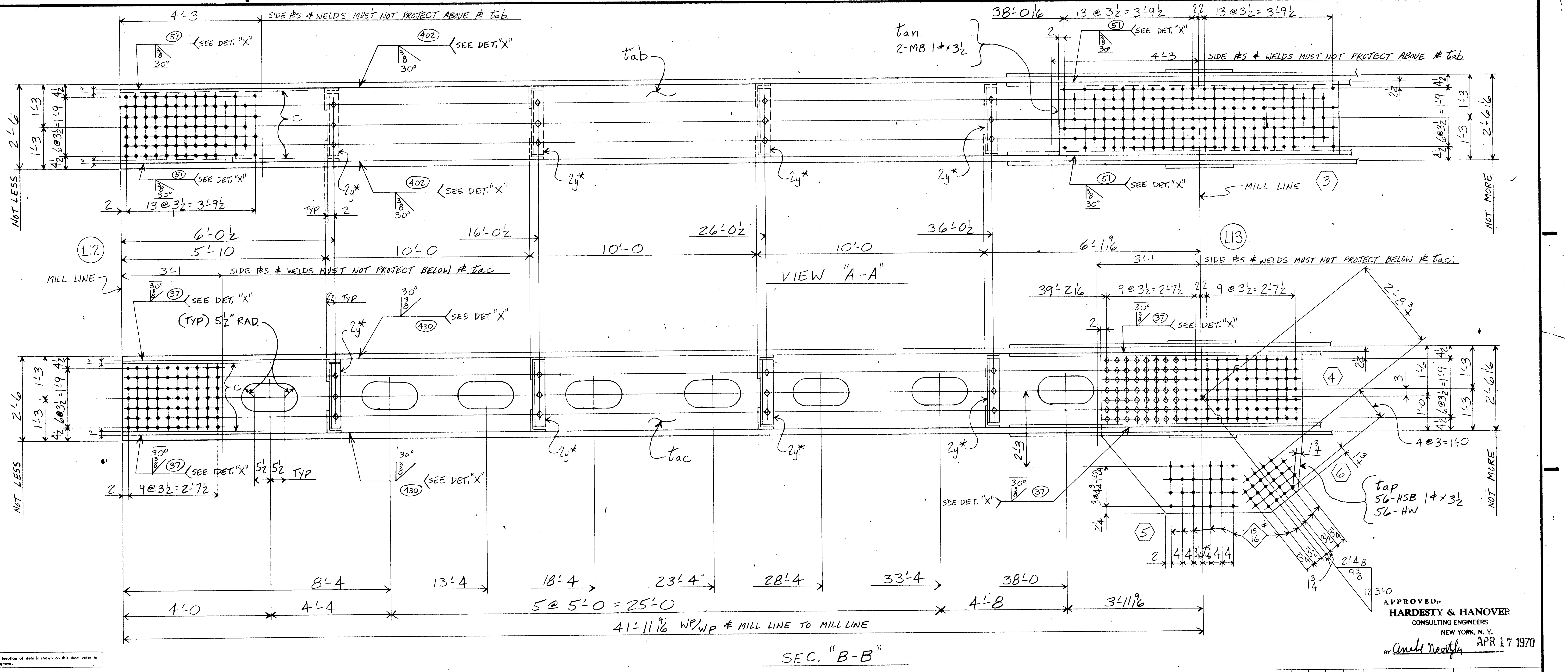
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 2-11-70 IN CHARGE LG
CHECKED BY CD DATE 3-13-70 SHOP NO.
CONTRACT CG6290-065 DRAWING NO. 251 AB

For location of details shown on this sheet refer to diagrams.
E.9 & E11

121-61 NC TAPE



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

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

E9 & E11

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		4	-TIES	: 2-	251	A^R	&	2-251A^L								
②	2	t a	4	PL	36		2	41	11 9/16	MZE & TZW			42	1¾		137	1
Ⓜ	3	t ab	4	PL	25¼		1	41	11 9/16	MZE & TZW			42	1¾		136	6
Ⓜ	4	t ac	4	PL	25¼		1	41	11 9/16	MZE & TZW			42	1¾		136	6
	5	2w*	32	L	6	4	½	2	7½				2	8		144	15
	6	2y*	32	L	6	3½	½	1	9¾				2	1		144	16
	7	t ad	4	PL	24¾		¾	8	8⅛	A1			8	9¼		175	1
	8	t af	4	PL	24¾		¾	4	8⅞				4	10¼		175	2
	9	t ag	4	PL	32⅛		1½	11	6½				11	6½		176	1
	10	t ah	4	PL	32⅛		1½	11	6½				11	6½		176	1
	11	t ak	4	PL	36⅛		1¼	11	6½				11	6½		175	3
	12	t am	4	PL	36⅛		1¼	11	6½				11	6½		175	3
	13	t an	4	PL	26		1¼	8	3				8	3		175	5
	14	t ap	4	PL	56½		1	5	11				5	11		175	4
	15	C	16	BR	1		5/8	42	11 9/16	BACKUP BAR			43	2		142	13
②	16	t b	4	PL	36		2	41	11 9/16	MZE & TZW			42	1¾		137	1
	17																
	18																
	19																
	20																
	21																
	22																
	23																
	24																
	25		8	MB	1⌀			0	3½	RHH & HHN (SB)						AM	27
	26		96	325	1⌀			0	3							AM	26
	27		160	325	1⌀			0	4							AM	26
	28		224	325	1⌀			0	3½							AM	21
	29																
	30		936	325	1⌀			0	6¼							AM	21
	31																
	32		72	325	1⌀			0	7							AM	21
	33		1488	HW	2	1 1/16	3/16									AM	21/26
	34																
	35																
	36																
	37	FW	4	WD			5/16	22	8								
	38	B30	4	WD			1"	168	0								
	39																
	40																
	41																
	42																
	43																
	44																
	45																

	46																
	47																
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	64																
	65																
	66																
	67																
	68																
	69																

		1	1	2	TIE 9'-1 x 5'-1 x 47'-10	251A^L	
		1	1	2	⊥	251A^R	
		H15	M15	NO.	DESCRIPTION	MARK	REMARKS
INST.					REQUIRED LIST		

L12-L13

MATERIAL
- ASTM-A517 PREFIX - t
- ASTM-A36 PREFIX - NONE

RIVETS OR BOLTS — 1⌀
OPEN HOLES — 1 1/16⌀ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES — NO PAINT
WELDING - AS NOTED
PAINT — 1 CT. RED LEAD AASHO-M72 TYPE II
SEE NOTE "X"

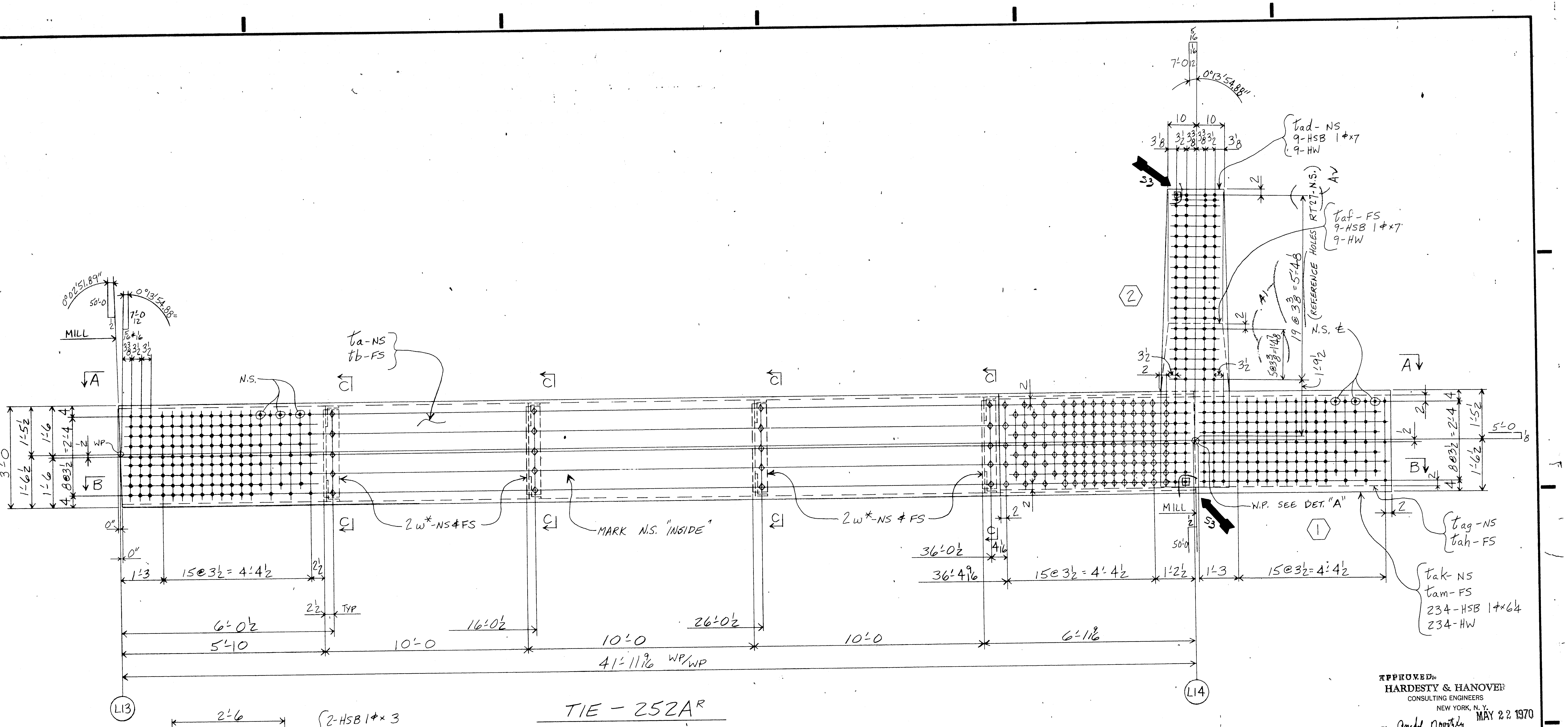
REVISION NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
A 1	4-1-70	

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

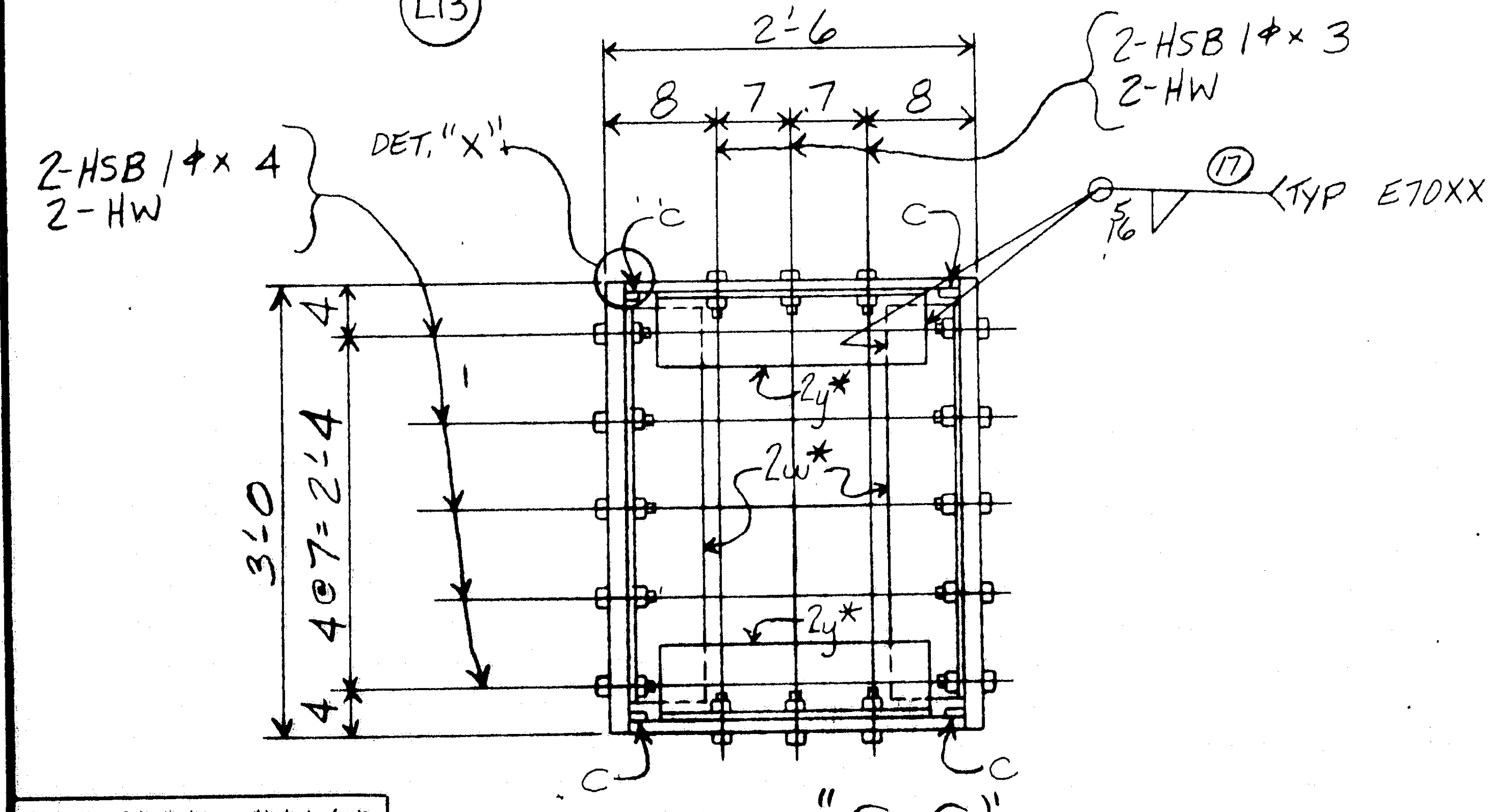
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 2-11-70 IN CHARGE LG
CHECKED BY CAD DATE 3-13-70 SHOP NO.
CONTRACT CG6290-065 DRAWING NO. 251 BB

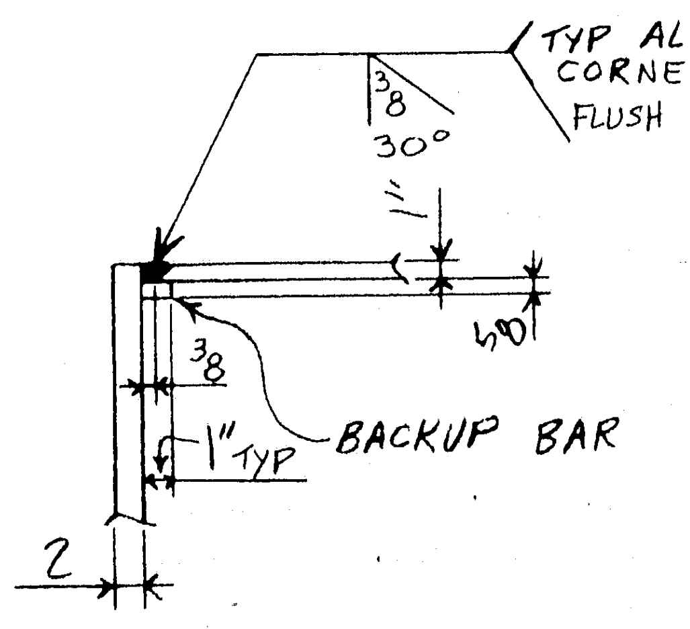
121-62 NO TAPE



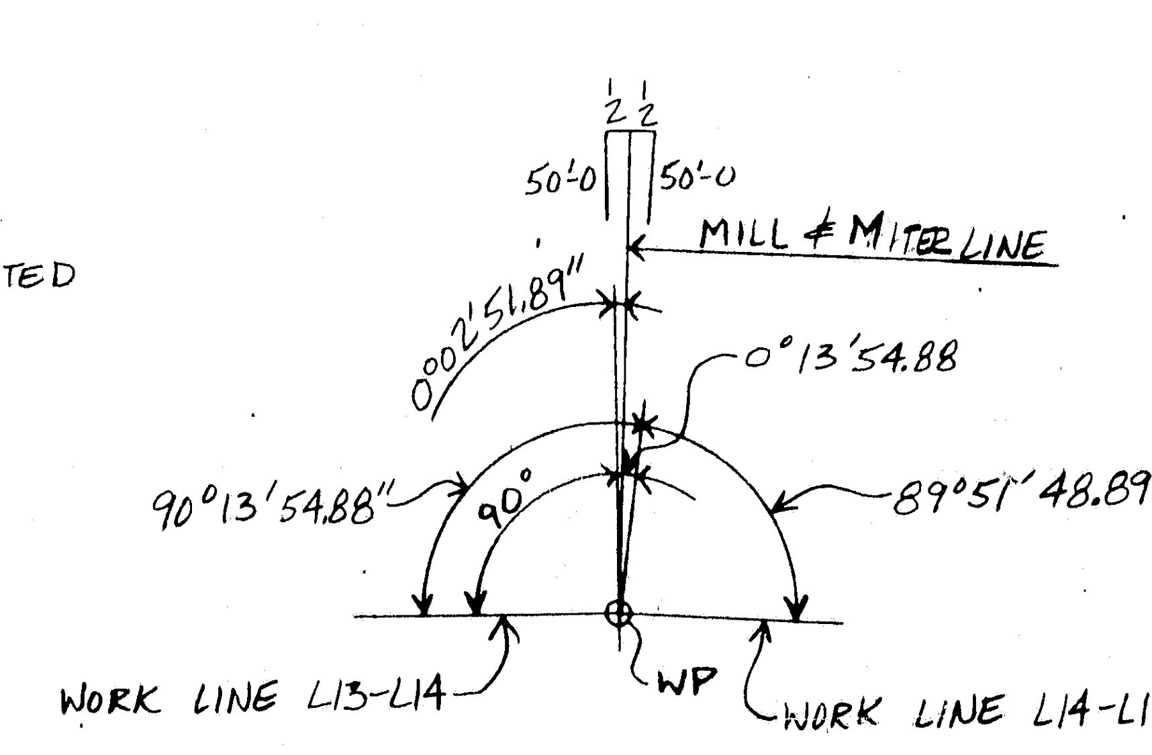
TIE - 252A^R



SEC. "C-C"



DETAIL "X"



DETAIL "A"

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

L13-L14

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT FOR 22"x11" SLOTS.

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES E11018-M UNLESS NOTED (LOW. HYDROGEN)

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT
SEE SHT #252BB

LENGTH CORRECTED FOR TEMPERATURE

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
S3	2/10	LG
A2	4-20	CD
A1	4-1	CD

REVISION

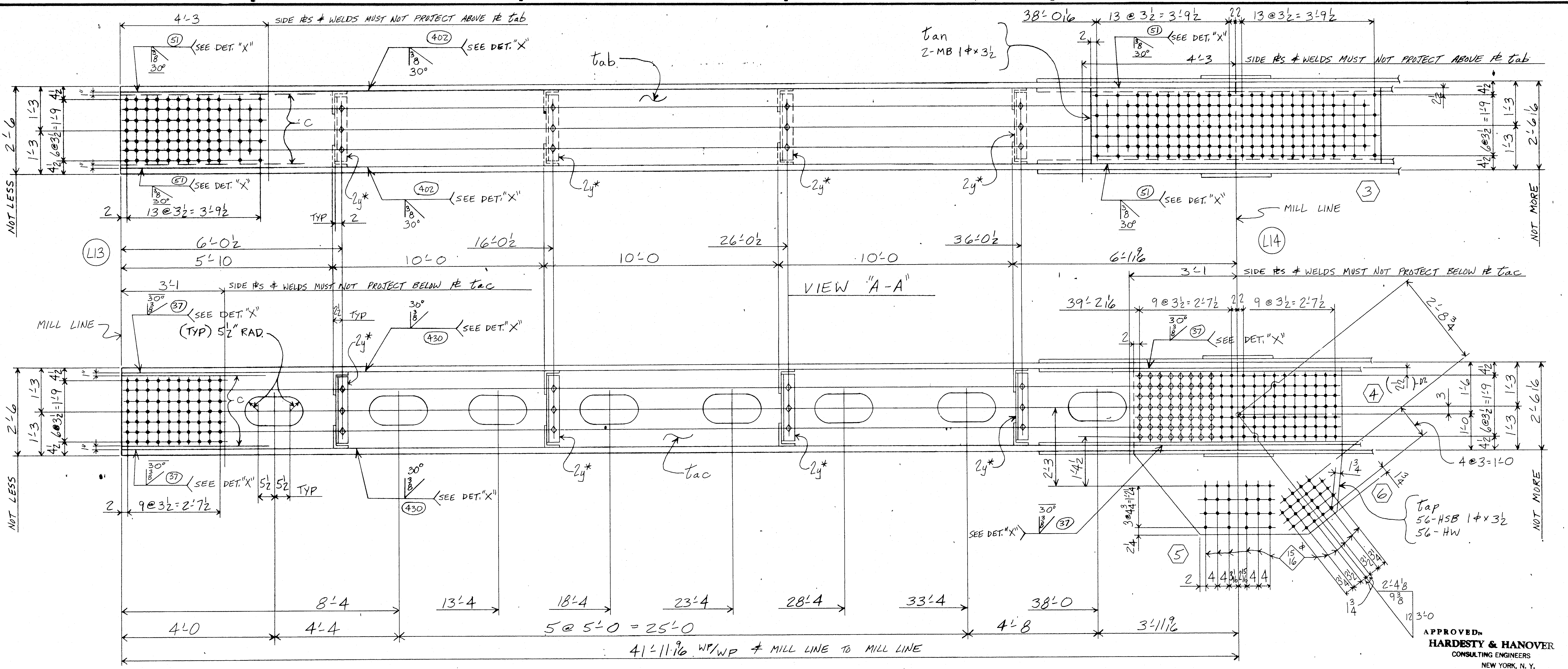
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 WB DATE 2-12-70 IN CHARGE LG
CHECKED BY CAD DATE 3-13-70 SHOP NO.
CONTRACT CG6290-065 DRAWING NO. 252AB

121-63 NC TAPE

For location of details shown on this sheet refer to diagrams.
E9 & E11



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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Anatl Nooitzky JUN 3 1970

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

E9 & E11

PRODUCT TYPE	LINE	SHOP BILL ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1	4-TIES : 2-252A^R & 2-252A^L															
②	2	t a	4	PL	36		2	41	11 9/16	M2E & T2W			42	1 3/4		137	1
Ⓜ	3	t ab	4	PL	25 1/4		1	41	11 9/16	M2E & T2W			42	1 3/4		136	6
Ⓜ	4	t ac	4	PL	25 1/4		1	41	11 9/16	M2E & T2W			42	1 3/4		136	6
	5	2w*	32	L	6	4	1/2	2	7 1/2				2	8		145	2
	6	2y*	32	L	6	3 1/2	1/2	1	9 3/4				2	1		145	1
	7	t ad	4	PL	24 3/4		3/4	8	(8 1/8	)-A1			8	9 1/4		214	2
	8	t af	4	PL	24 3/4		3/4	4	8 1/8)				4	10 1/4		214	3
	9	t ag	4	PL	32 1/8		1 1/2	11	6 1/2				11	6 1/2		215	1
	10	t ah	4	PL	32 1/8		1 1/2	11	6 1/2				11	6 1/2		215	1
	11	t ak	4	PL	36 1/8		1 1/4	11	6 1/2				11	6 1/2		214	1
	12	t am	4	PL	36 1/8		1 1/4	11	6 1/2				11	6 1/2		214	1
	13	t an	4	PL	26		1 1/4	8	3				8	3		214	4
	14	t ap	4	PL	56 1/2		1	5	11				5	11		214	5
	15	c	16	BR	1		5/8	42	11 9/16	BACKUP BAR			43	2		142	13
②	16	t b	4	PL	36		2	41	11 9/16	M2E & T2W			42	1 3/4		137	1
	17																
	18																
	19																
	20																
	21																
	22																
	23																
	24																
	25		8	MB	1⌀			0	3 1/2	RHH & HHN (SB)						AM	27
	26		96	325	1⌀			0	3							AM	26
	27		160	325	1⌀			0	4							AM	26
	28		224	325	1⌀			0	3 1/2							AM	21
	29																
	30		936	325	1⌀			0	6 1/4							AM	21
	31																
	32		72	325	1⌀			0	7							AM	21
	33		1488	HW	2	1 1/16	3/16									AM	21
	34																
	35																
	36																
	37	FW	4	WD			5/16	22	8								
	38	B30	4	WD			1"	168	0								
	39																
	40																
	41																
	42																
	43																
	44																
	45																

		1	1	2	TIE 9'-1×5'-1×47'-10	252A^L	
		1	1	2	⊥ ⊥	252A^R	
		H17	M17	NO.	DESCRIPTION	MARK	REMARKS
INST.					REQUIRED LIST		

L13-L14

MATERIAL { ASTM-A517 PREFIX - t; ASTM-A36 PREFIX - NONE }
RIVETS OR BOLTS — 1⌀
OPEN HOLES — 1 1/16⌀ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES — NO PAINT
WELDING - AS NOTED
PAINT - 1 CT. RED LEAD AASHO-M72 TYPE II
SEE NOTE "X"

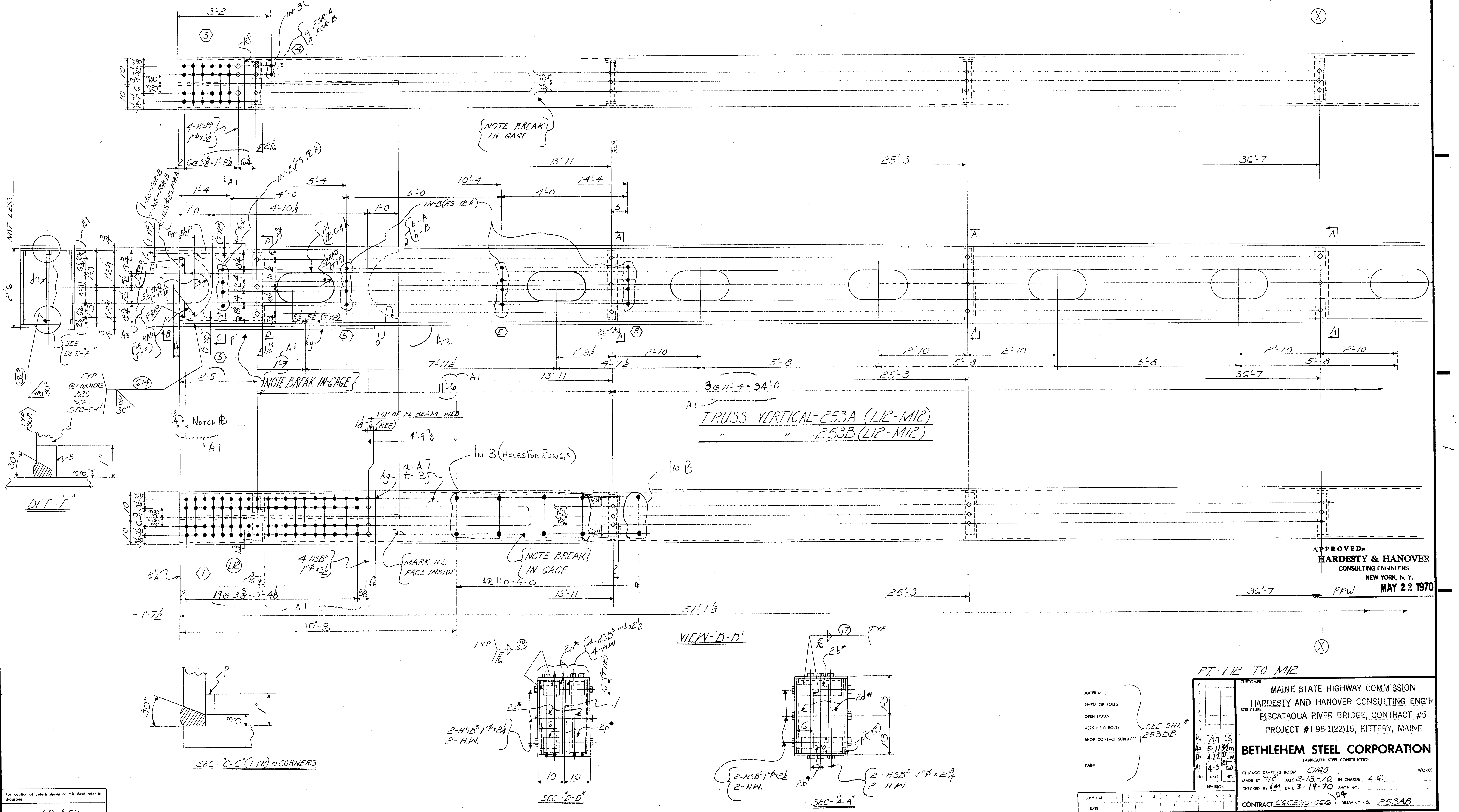
REVISION NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D 2	5-18	11 CD
A 1	4-1	11 CD

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 2-12-70 IN CHARGE LG
CHECKED BY CAD DATE 3-13-70 SHOP NO.
CONTRACT CG6290-065 DRAWING NO. 252BB

121-64 NC TAPE



PT-L12 TO M12

APPROVED by
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
MAY 22 1970
FFW

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

E9 & E11

MATERIAL	SEE SHT.# 253BB
RIVETS OR BOLTS	
OPEN HOLES	
A325 FIELD BOLTS	
SHOP CONTACT SURFACES	
PAINT	

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
D4	7/27	LG
A3	5-11	⅔ LM
A2	4-22	D LM
A1	4-3	GD

REVISION

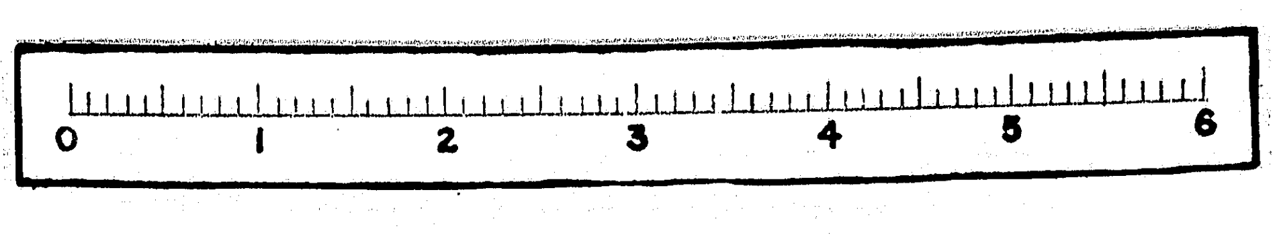
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

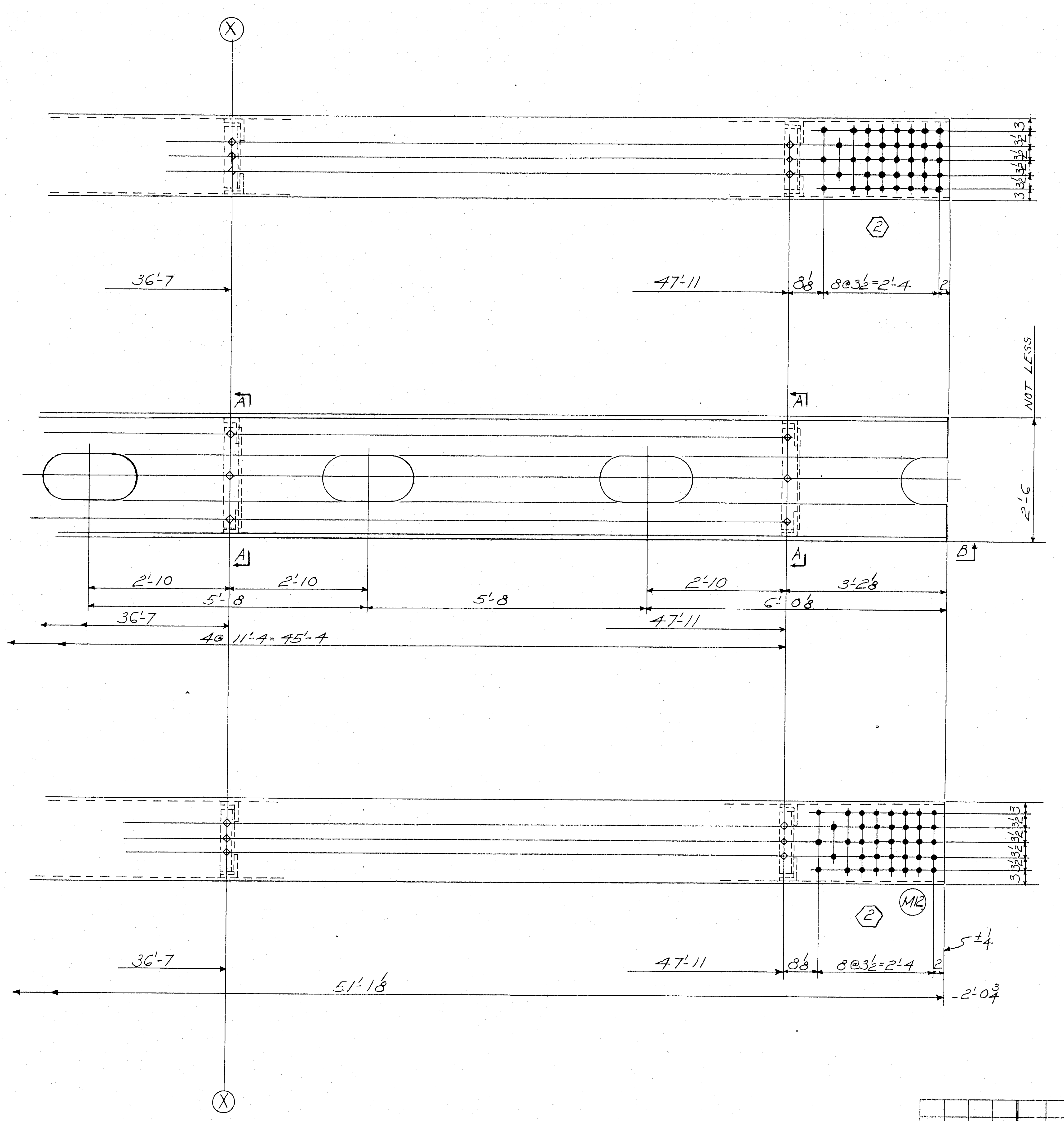
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO. WORKS
MADE BY VB DATE 2-13-70 IN CHARGE L.G.
CHECKED BY LM DATE 3-19-70 SHOP NO.
CONTRACT CG6290-066 D4 DRAWING NO. 253AB

121-65 NC TAPE





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

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

E9 & E11

D3

SHOP BILL											MILL ORDER						
PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION			LENGTH		REMARKS	WIDTH	THICK	LENGTH		STOCK	ITEM	
					SIZE	SIZE OR POUNDS	THICK	FT.	IN.				FT.	IN.		PAGE	LINE
	1		3	VERTICALS-2-253A & 1-253B													
②	2	a	2	PL	20		¾	51	1⅛	T2W A						198	03
②	3	b	2	PL	20		¾	51	1⅛	T2W A						198	03
Ⓜ	4	c	5	PL	27¾		½	51	1⅛	T2W 2-A, 1-B						198	04
	5	d	3	PL	27¾		¾	6	10⅛	T2W						156	07
	6	k f	3	PL	20		1¼	2	(0¼)	FILL A1						183	02
	7	k g	3	PL	20		1¼	6	1¼	FILL						183	01
②	8	h	1	PL	20		¾	51	1⅛	T2W B						198	03
Ⓜ	9	k	1	PL	27¾		½	51	1⅛	T2W B						198	04
②	10	t	1	PL	20		¾	51	1⅛	T2W B						198	03
	11	p	12	BR	1		⅝	52	1⅛	BACKUP BAR						202	02
	12	s	6	BR	1		⅝	7	10⅛	BACKUP BAR						156	08
	13	2s*	6	L	6	3½	⅜	2	1							203	08
	14	2b*	24	L	6	3½	½	1	4							203	05
	15	2p*	12	L	6	4	⅜	0	7							203	07
	16	2d*	24	L	6	4	½	2	0½							203	06
	17																
	18																
	19		18	325	1"φ			0	2¼							AM26	
	20		24	325	1"φ			0	3½							AM26	
	21		84	325	1"φ			0	2½							AM26	
	22		72	325	1"φ			0	2¾							AM26	
	23		198	HW	2 O.D.	1 1/16 I.D.	3/16									AM26	
	24																
	25																
	26	T30B	3	WD			¾	13	9								
	27	FW	3	WD			5/16	29	0								
	28	B30	3	WD			½	204	8								
	29																
	30																
	31																
	32																
	33																
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APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY FFW JAN 27 1971

ELECTRODES - E70XX
LOW HYDROGEN

LENGTH CORR. FOR TEMP

PT-L12 TO M12

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 22 x 11 PERFORATIONS

		1		1	VERT. 1'-8 × 2'-9 × 51'-2	253B	
D3	1	1		2	VERT. 1'-8 × 2'-9 × 51'-2	253A	
M14		H14		NO.	DESCRIPTION	MARK	REMARKS
INST.				REQUIRED LIST			

MAT'L PREFIXED WITH THE LETTER "K" TO BE A588 STEEL ALL OTHER TO BE A.S.T.M.-A36

MATERIAL
[redacted] BOLTS 1" φ
OPEN HOLES - 1 1/16" φ
A325 FIELD BOLTS ———
SHOP CONTACT SURFACES N.P.
WELDING - AS NOTED
PAINT - 1-CT RED LEAD
AASHO-M72 TYPE II
(SEE NOTE "X")

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
D3	1-14	ET
D2	7/27	LG
A1	4-3	CD

REVISION

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

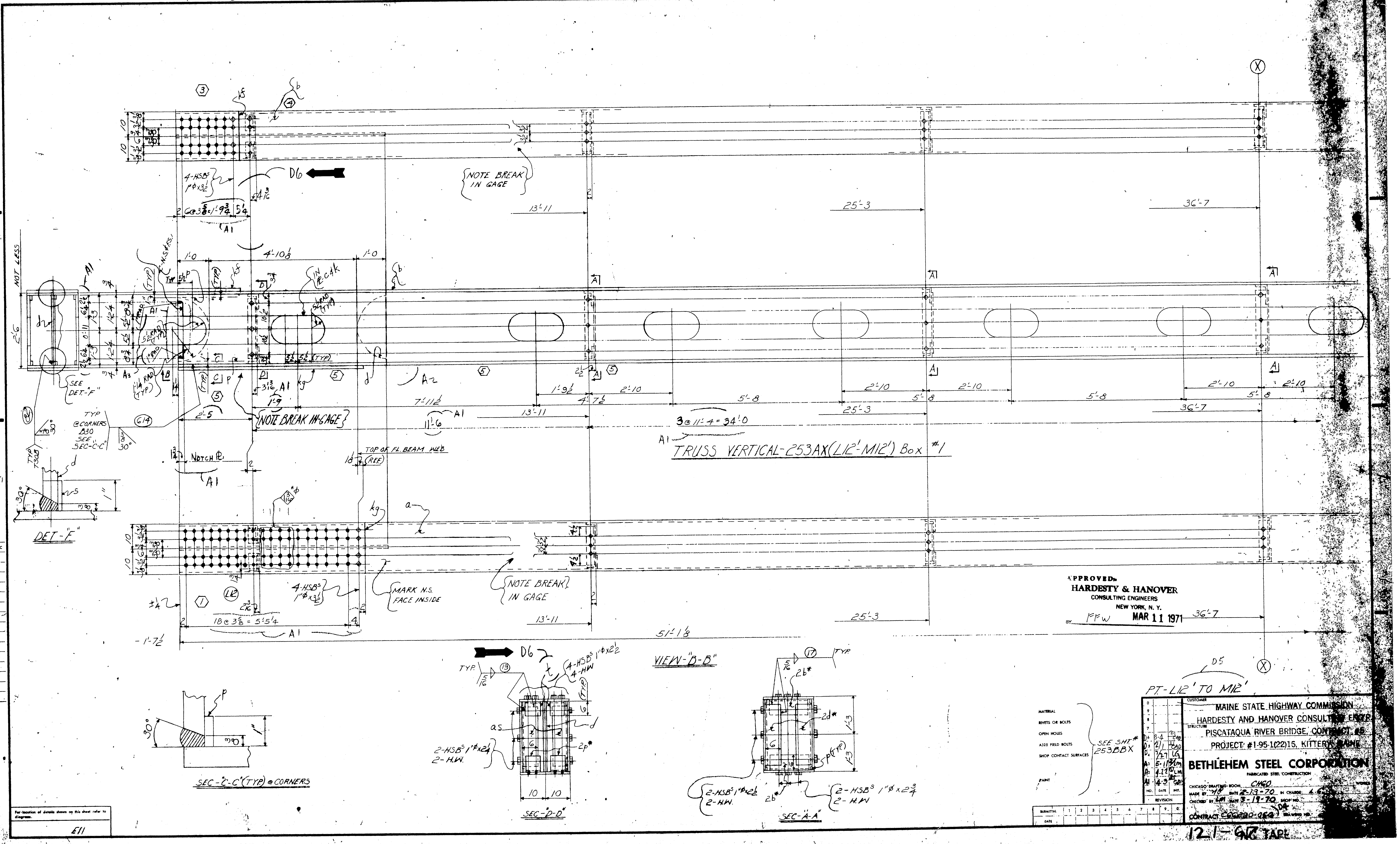
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO WORKS
MADE BY NP DATE 2-13-70 IN CHARGE LG
CHECKED BY LM DATE 3-19-70 SHOP NO.
CONTRACT CG6290-066 DRAWING NO. 253BB D2

35452 (Rev.D 8-69)

121-66 NC TAPE



PT-L12' TO M12'

D5

APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW MAR 11 1971

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

SEE SHT # 253BBX

NO.	DATE	INIT.
0		
9		
8		
7		
D6	3-4	CAD
D5	2/1	CAD
D4	7/27	LG
A3	5-11	LM
A2	4-22	LM
A1	4-3	GD
REVISION		

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENGR
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)15, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

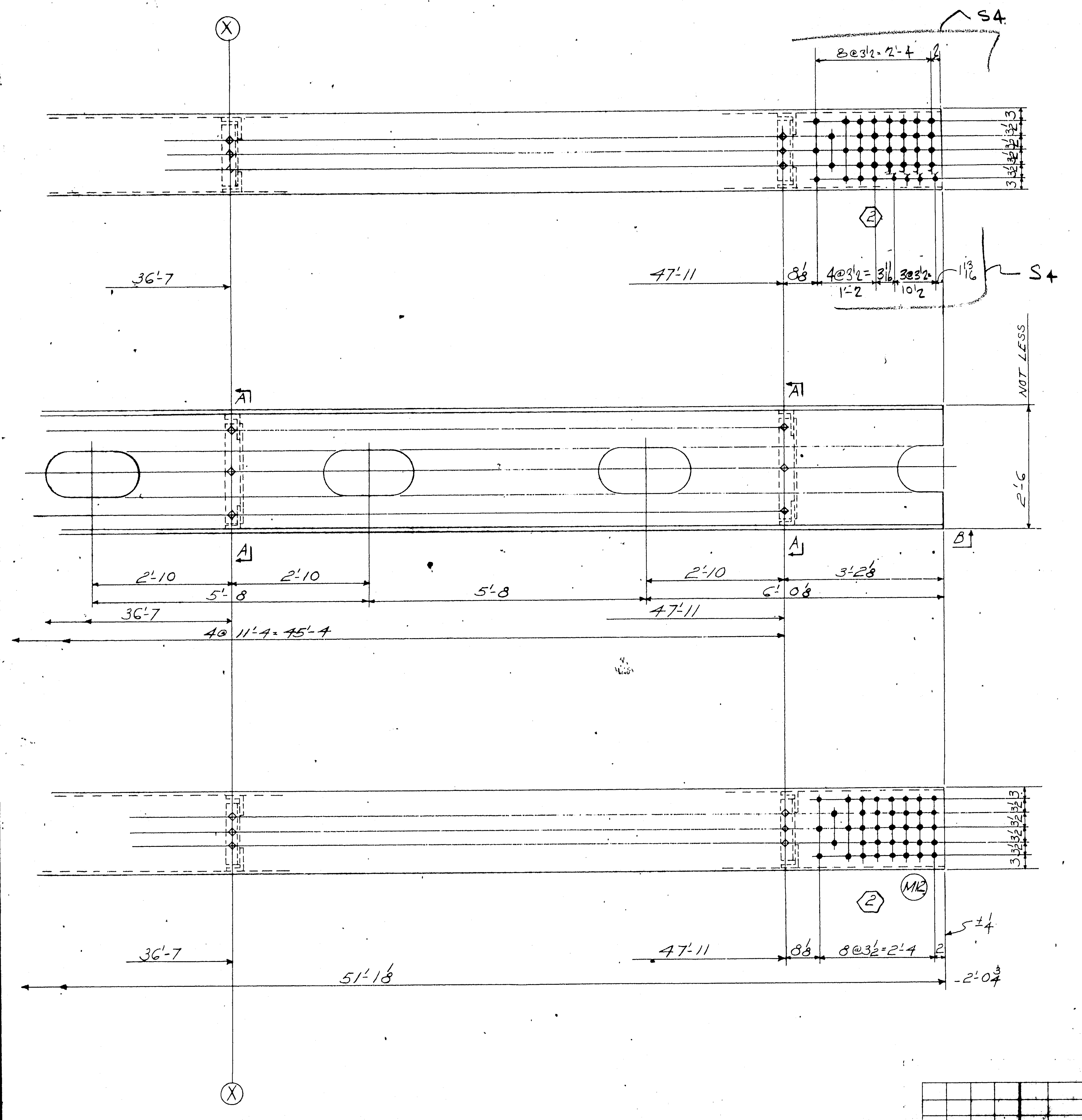
CHICAGO DRAFTING ROOM CHGO WORKS
MADE BY [illegible] DATE 2-13-70 IN CHARGE [illegible]
CHECKED BY LM DATE 3-19-70 SHOP NO.
CONTRACT C66290-060 D4 DRAWING NO. [illegible]

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

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

E11

121-6[illegible] TAPE



D3

D3

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	WIDTH	THICK	FT.	IN.	ITEM PAGE	ITEM LINE
	1		1	- VERTICAL	- 253AX											
②	2	a	1	PL	20		¾	51	1⅛	T2W					198	03
②	3	b	1	PL	20		¾	51	1⅛	T2W					198	03
Ⓜ	4	c	2	PL	27¾		½	51	1⅛	T2W					198	04
	5	d	1	PL	27¾		¾	6	10⅛	T2W					156	07
	6	k f	1	PL	20		1¼	2	(1¾)	FILL A1					183	02
	7	k g	1	PL	20		1¼	6	1¼	FILL					183	01
	8														198	03
	9	(t	2	L	6	6	⅜	0	7	)					198	04
	10														198	03
	11	p	4	BR	1		⅝	52	1⅛	BACKUP BAR					282	02
	12	s	2	BR	1		⅝	7	10⅛	BACKUP BAR					156	05
	13	as	2	L	6	6	⅜	2	1						203	08
	14	2b*	8	L	6	3½	½	1	4						203	05
	15	2p*	(2)	L	6	4	⅜	0	7						203	07
	16	2d*	8	L	6	4	½	2	0½						203	06
	17															
	18															
	19		6	325	1"ϕ			0	2¼						NM26	
	20		8	325	1"ϕ			0	3½						NM26	
	21		28	325	1"ϕ			0	2½						NM26	
	22		24	325	1"ϕ			0	2¾						NM26	
	23		66	HW	2 O.D.	1 1/16 I.D.	3/16								NM26	
	24															
	25															
	26	T30B	1	WD			¾	13	9							
	27	FW	1	WD			5/16	29	0							
	28	B30	1	WD			½	204	8							
	29															
	30															
	31															
	32															
	33															
	34															
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APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
FFW MAR 31 1971

ELECTRODES - E70XX
LOW HYDROGEN

LENGTH CORR. FOR TEMP
PT.-L12' TO M12'

MAT'L PREFIXED WITH THE LETTER "K" TO BE A588 STEEL ALL OTHER TO BE A.S.T.M.-A36

MATERIAL

[redacted] BOLTS 1" ϕ

OPEN HOLES - 1 1/16" ϕ U.N.

A325 FIELD BOLTS ——

SHOP CONTACT SURFACES N.P.

WELDING - AS NOTED

PAINT - 1-CT RED LEAD
AASHO-M72 TYPE II
(SEE NOTE "X")

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 22 × 11 PERFORATIONS

1				1	VERT. 1'-8×2'-3×51'-2	253AX	
M/H				NO.	DESCRIPTION	MARK	REMARKS
INST.				REQUIRED LIST			

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

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
S4	3/19/71	3/LM
D3	3-4	2/CAD
D2	7/29	LG
A1	4-8	11/CA

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
MADE BY NO DATE 2-13-70 IN CHARGE
CHECKED BY LM DATE 3-19-70 SHOP NO.
CONTRACT CG 6890-060 02 DRAWING

121-68

	a	b	c
a			
b			
c			
d			
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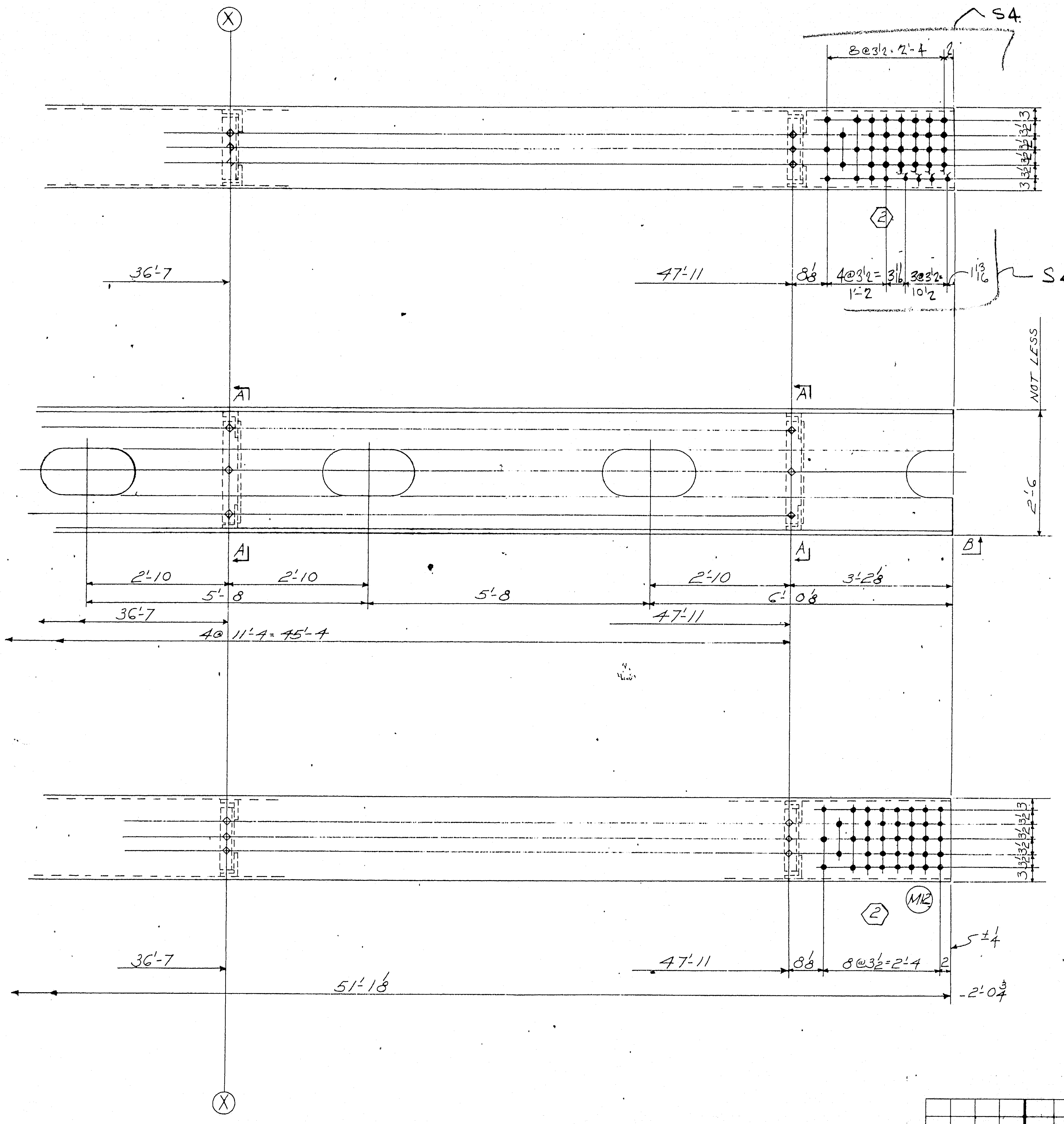
w			
y			

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

E11



	a	b	c
a			
b			
c			
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t			
w			
y			

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

E11

SHOP BILL

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION			LENGTH		REMARKS	WIDTH	THICK	LENGTH			ITEM	
					SIZE	SIZE OR POUNDS	THICK	FT.	IN.				FT.	IN.		PAGE	LINE
	1	1-VERTICAL-253AX															
②	2	a	1	PL	20		3/4	51	1 1/8	T2W						198	03
②	3	b	1	PL	20		3/4	51	1 1/8	T2W						198	03
Ⓜ	4	c	2	PL	27 3/4		1/2	51	1 1/8	T2W						198	04
	5	d	1	PL	27 3/4		3/4	6	10 1/8	T2W						156	07
	6	k f	1	PL	20		1 1/4	2	(1 3/4)	FILL A1						183	02
	7	k g	1	PL	20		1 1/4	6	1 1/4	FILL						183	01
	8															198	03
D3	9	(t	2	L	6	6	3/8	0	7	)						198	04
	10															198	03
	11	p	4	BR	1		5/8	52	1 1/8	BACKUP BAR						282	02
	12	s	2	BR	1		5/8	7	10 1/8	BACKUP BAR						156	08
	13	as	2	L	6	6	3/8	2	1							203	08
	14	2b*	8	L	6	3 1/2	1/2	1	4							203	05
D3	15	2p*	(2)	L	6	4	3/8	0	7							203	07
	16	2d*	8	L	6	4	1/2	2	0 1/2							203	06
	17																
	18																
	19		6	325	1"φ			0	2 1/4							AM26	
	20		8	325	1"φ			0	3 1/2							AM26	
	21		28	325	1"φ			0	2 1/2							AM26	
	22		24	325	1"φ			0	2 3/4							AM26	
	23		66	HW	2 O.D.	1 1/16 I.D.	3/16									AM26	
	24																
	25																
	26	T30B	1	WD			3/4	13	9								
	27	FW	1	WD			5/16	29	0								
	28	B30	1	WD			1/2	204	8								
	29																
	30																
	31																
	32																
	33																
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APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
FFW MAR 31 1971

ELECTRODES - E70XX
LOW HYDROGEN

LENGTH CORR. FOR TEMP

PT.-L12' TO M12'

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 22 x 11 PERFORATIONS

				NO.	DESCRIPTION	MARK	REMARKS
1				1	VERT. 1⅛ x 2'-9 x 51'-2	253AX	
MM							
INST.				REQUIRED LIST			

MATERIAL: MAT'L PREFIXED WITH THE LETTER "K" TO BE A588 STEEL ALL OTHER TO BE A.S.T.M.-A36

[redacted] BOLTS 1"φ

OPEN HOLES - 1 1/16"φ U.N.

A325 FIELD BOLTS ——

SHOP CONTACT SURFACES N.R.

WELDING - AS NOTED

PAINT - 1-CT RED LEAD AASHO-M72 TYPE II (SEE NOTE "X")

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

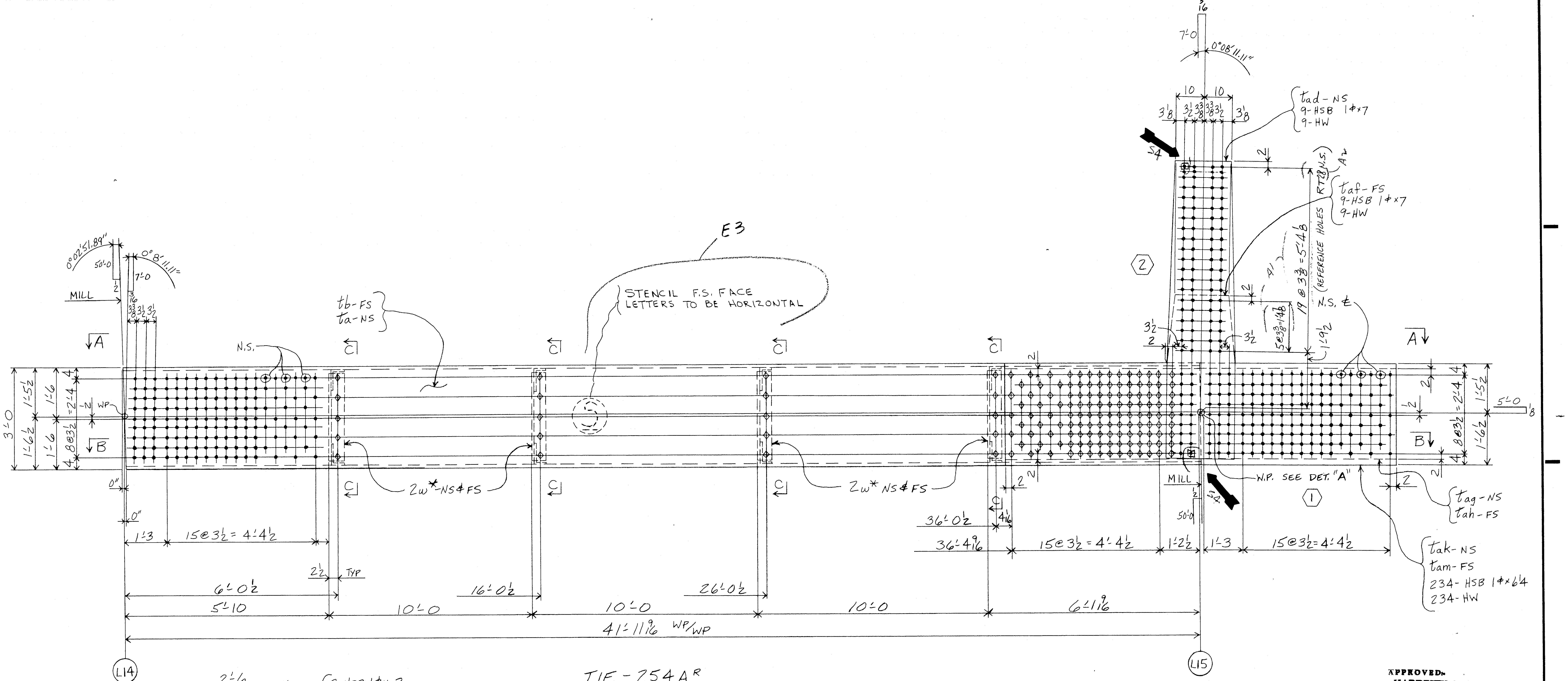
NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
S4	3/19/71	2/LM
D3	3-4	2/CAD
D2	7/27	LG
A1	4-8	13/OO
REVISION		

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

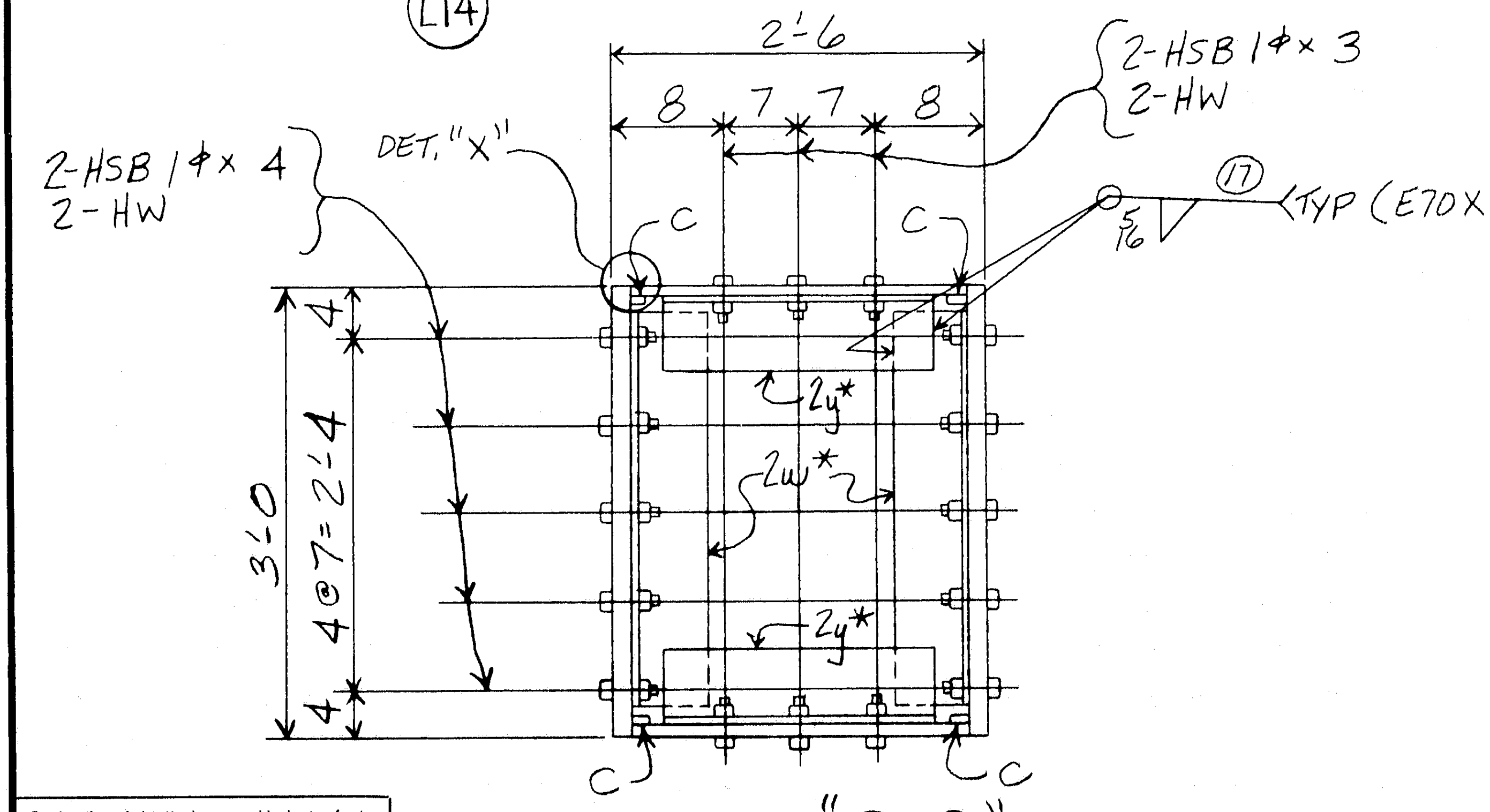
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO
MADE BY NO DATE 2-13-70 IN CHARGE
CHECKED BY LM DATE 3-19-70 SHOP NO.
CONTRACT CGC830-060 02 DRAWING

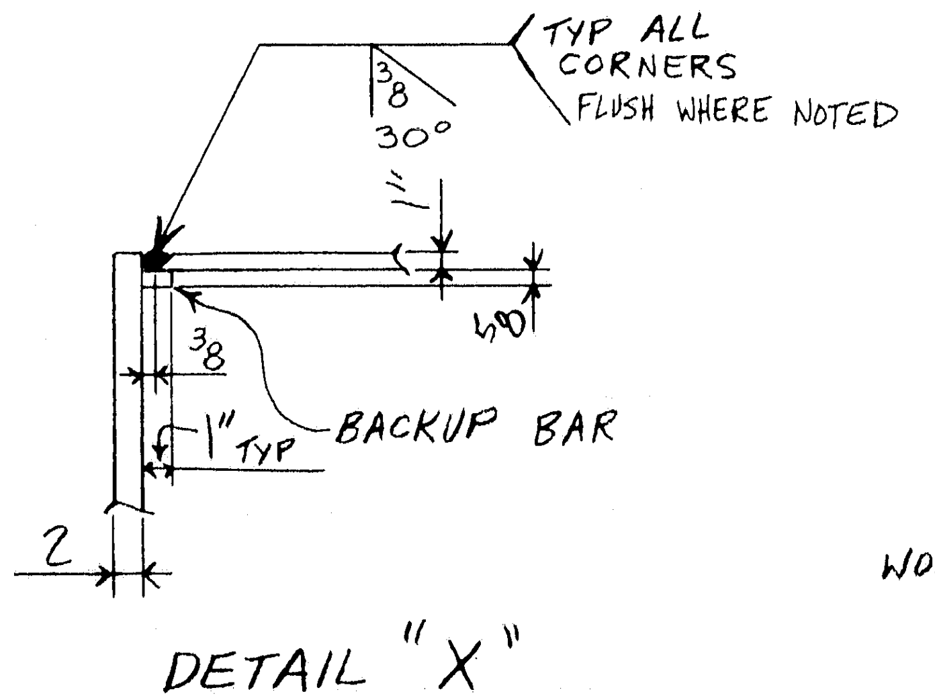
121-68 APE



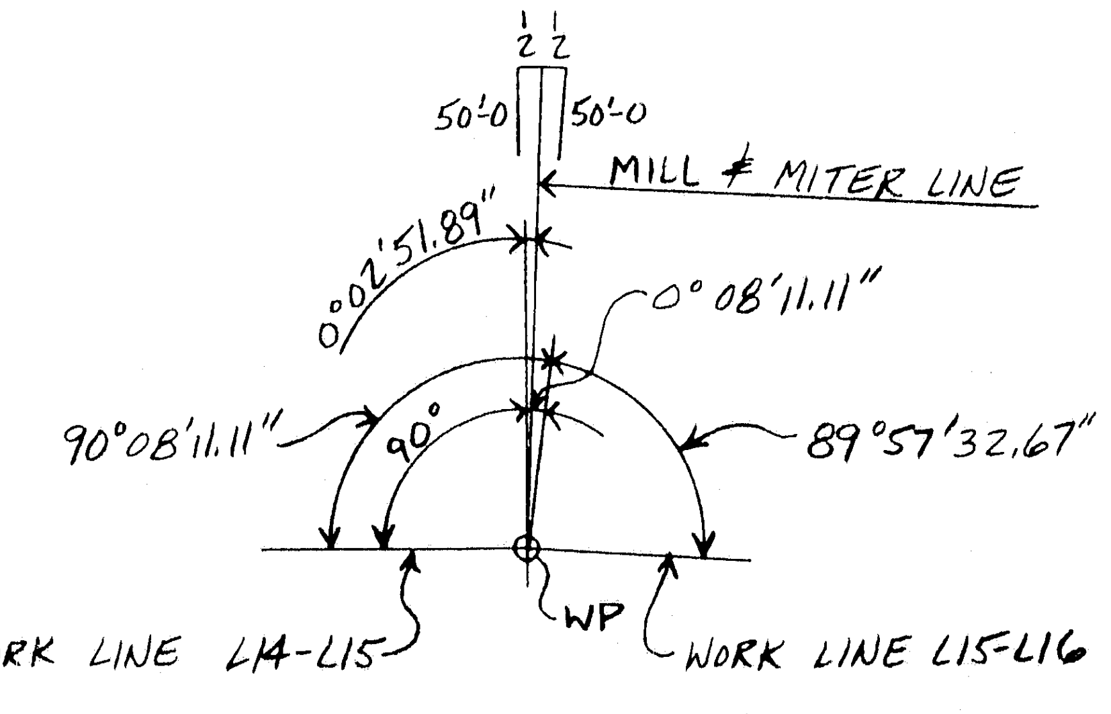
TIE-254A^R



SEC. "C-C"



DETAIL "X"



DETAIL "A"

ELECTRODES E11018-M (UNLESS NOTED)
(LOW HYDROGEN

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT FOR 22"×11" SLOTS.

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

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

SEE SHT #254BB

APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
Andre Noutzh JUN 3 1970

L14-L15

LENGTH CORRECTED FOR TEMPERATURE

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
S4	2/10	2/16
E3	5/22	RP
A2	4-20	CD
A1	4-1	CD

REVISION

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

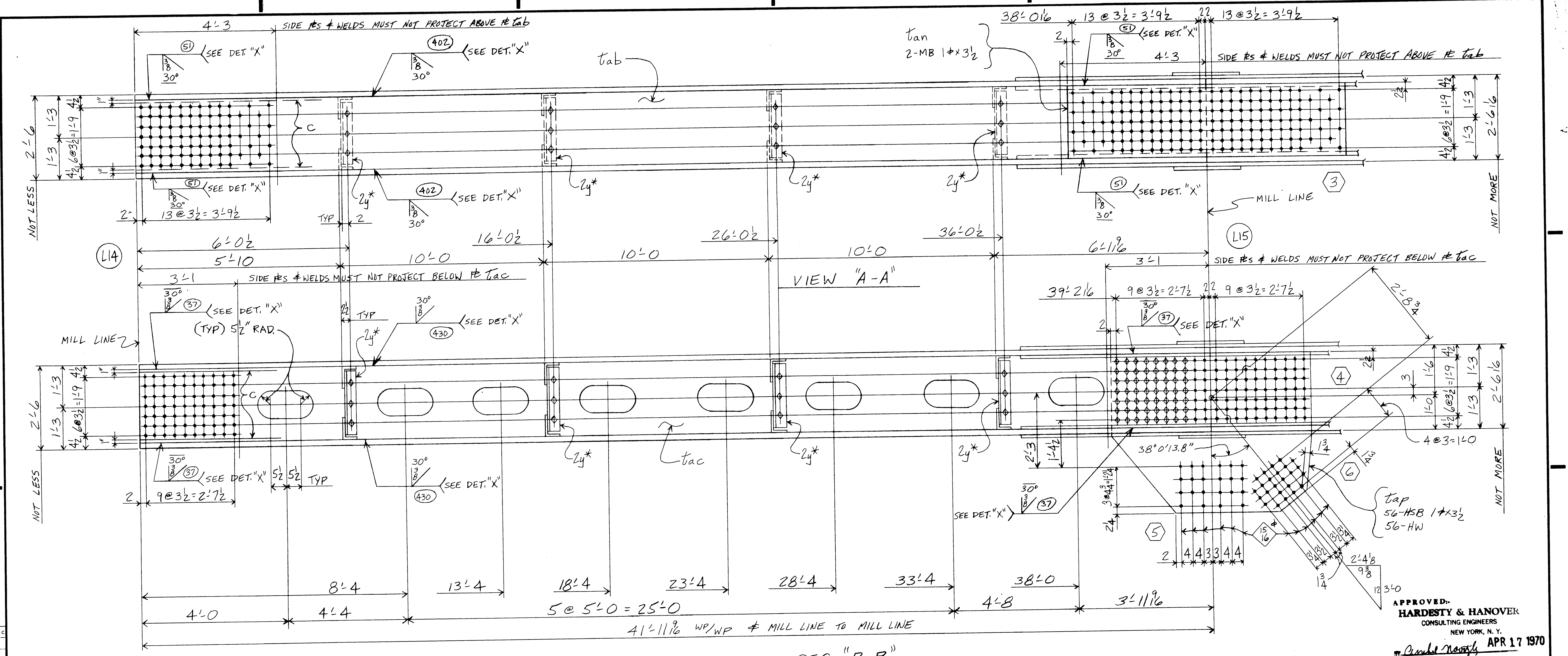
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 2-12-70 IN CHARGE LG
CHECKED BY CAD DATE 3-13-70 SHOP NO.
CONTRACT CG6290-065 DRAWING NO. 254 AB

121-69 NC TAPE

For location of details shown on this sheet refer to diagrams.
E10



SEC. "B-B"

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

	a	b	c
a			
b			
d			
e			
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s			
t			
w			
y			

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

E10

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		4-TIES: 2-254A^R & 2-254A^L														
②	2	t a	4	PL	36		2	41	11 9/16	M2E & T2W			42	1¾		137	1
Ⓜ	3	t ab	4	PL	25¼		1	41	11 9/16	M2E & T2W			42	1¾		136	6
Ⓜ	4	t ac	4	PL	25¼		1	41	11 9/16	M2E & T2W			42	1¾		136	6
	5	2w*	32	L	6	4	½	2	7½				2	8		145	2
	6	2y*	32	L	6	3½	½	1	9¾				2	1		145	1
	7	t ad	4	PL	24¾		¾	8	8⅛	A			8	9¼		217	2
	8	t af	4	PL	24¾		¾	4	8⅞				4	10¼		217	3
	9	t ag	4	PL	32⅛		1½	11	6½				11	6½		218	1
	10	t ah	4	PL	32⅛		1½	11	6½				11	6½		218	1
	11	t ak	4	PL	36⅛		1¼	11	6½				11	6½		217	1
	12	t am	4	PL	36⅛		1¼	11	6½				11	6½		217	1
	13	t an	4	PL	26		1¼	8	3				8	3		217	4
	14	t ap	4	PL	56½		1	5	11				5	11		217	5
	15	c	16	BR	1		⅝	42	11 9/16	BACKUP BAR			43	2		142	13
②	16	t b	4	PL	36		2	41	11 9/16	M2E & T2W			42	1¾		137	1
	17																
	18																
	19																
	20																
	21																
	22																
	23																
	24																
	25		8	MB	1⌀			0	3½	RHH & HHN (SB)						AM	27
	26		96	325	1⌀			0	3							AM	26
	27		160	325	1⌀			0	4							AM	26
	28		224	325	1⌀			0	3½							AM	21
	29																
	30		936	325	1⌀			0	6¼							AM	21
	31																
	32		72	325	1⌀			0	7							AM	21
	33		1488	HW	2	1 1/16	3/16									AM	21
	34																
	35																
	36																
	37	FW	4	WD			5/16	22	8								
	38	B30	4	WD			1"	168	0								
	39																
	40																
	41																
	42																
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69															

		H18	M18	NO.	DESCRIPTION	MARK	REMARKS
		1	1	2	TIE 9'-1x5'-1x47'-10	254A^L	
		1	1	2	⊥ ⊥	254A^R	

INST.	REQUIRED LIST

MATERIAL { ASTM-A517 PREFIX - t ; ASTM-A36 PREFIX - NONE }
RIVETS OR BOLTS — 1⌀
OPEN HOLES — 1 1/16⌀ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES — NO PAINT
WELDING - AS NOTED
PAINT - 1 CT. RED LEAD
AASHO-M72 TYPE II
SEE NOTE "X"

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

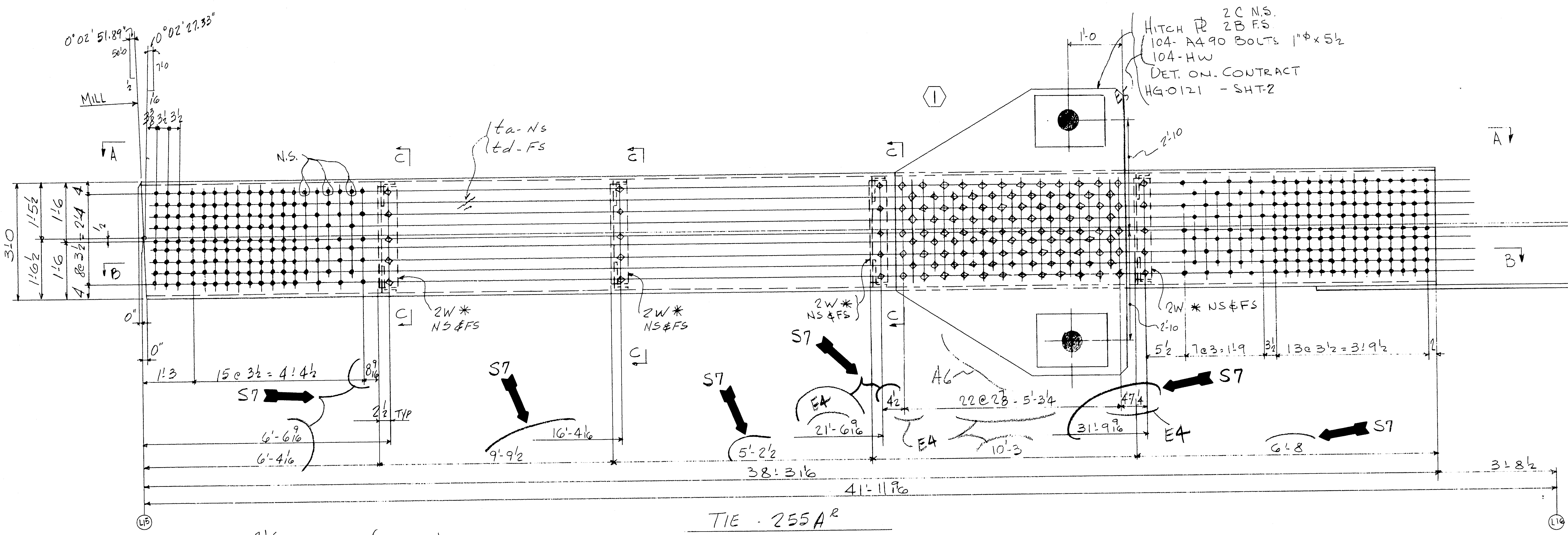
REVISION NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
A1	4-1	CD

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

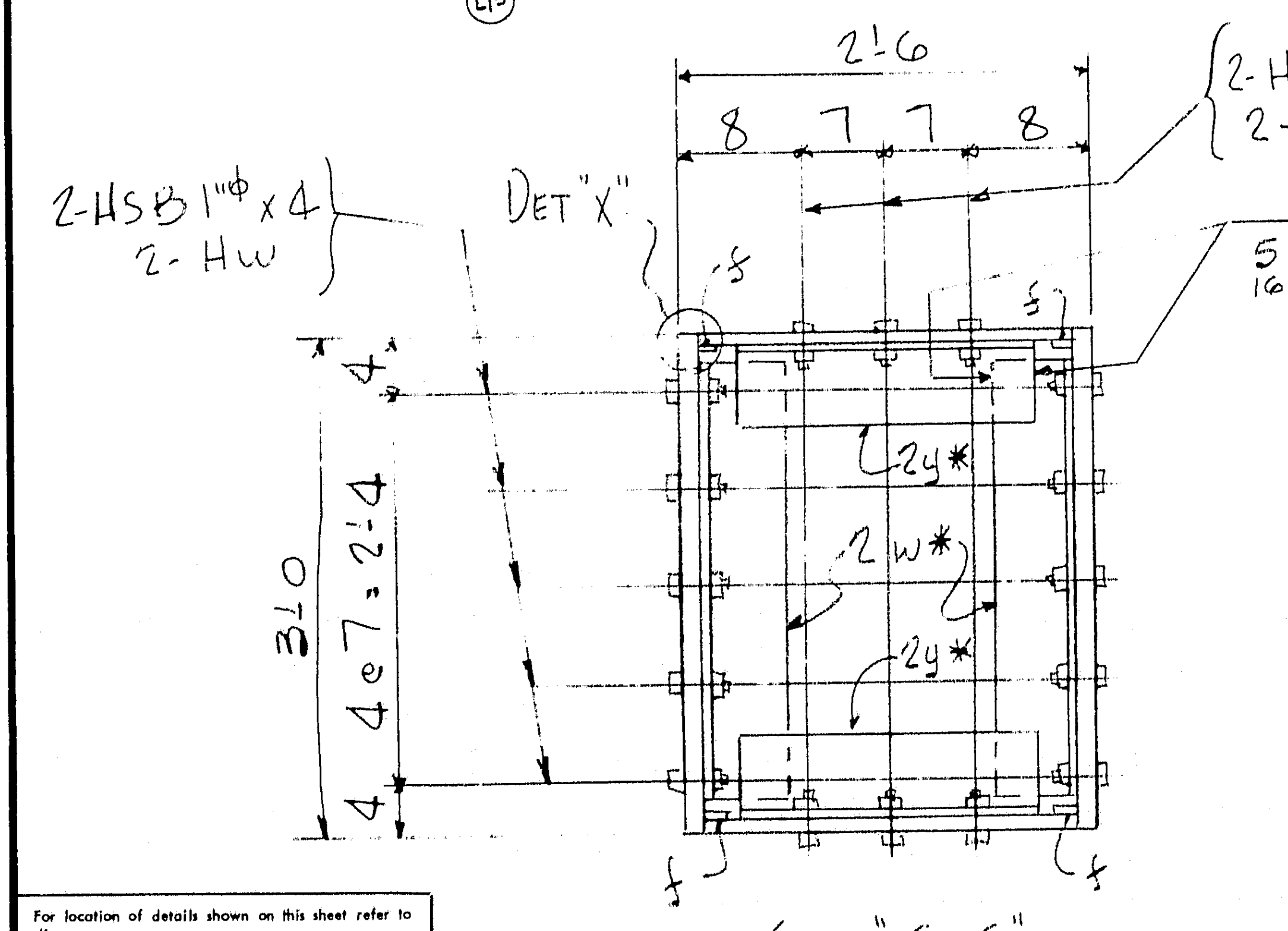
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 2-12-70 IN CHARGE LG
CHECKED BY CAD DATE 3-13-70 SHOP NO.
CONTRACT CG6290-065 DRAWING NO. 254BB

35042 (Rev.E 8-69)

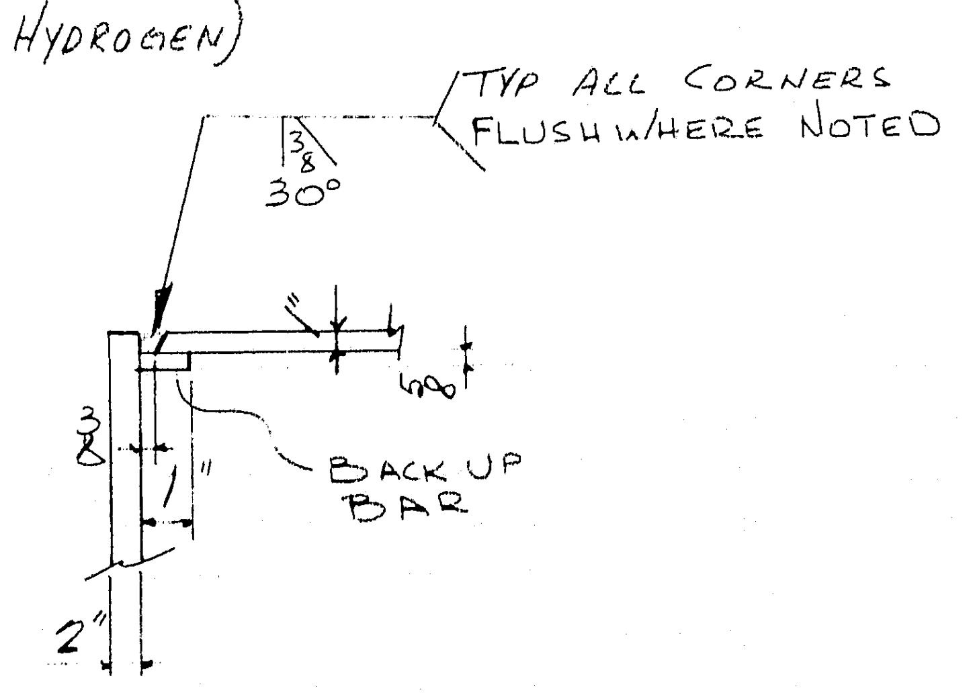
121-70 NC TAPE



TIE - 255A^R



SEC. "C-C"



DETAIL "X"

	a	b	c
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b			
c			
d			
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APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Anatol Noorzy MAR 4 1971

L15-L16

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes, EXCEPT FOR 22 x 11 SLOTS

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES E11018-M (UNLESS NOTED)
(LOW HYDROGEN)

LENGTH CORRECTED FOR TEMPERATURE

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

SEE SHT 255BB

NO.	DATE	INIT.
0		
9		
8		
S7	2-16	PM
A6	1-14	LM
E5	1-4-71	LM
E4	12/22	LG
E3	12/2	
A2	4/20	RP
A1	4-1	CD

REVISION

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

CUSTOMER MAINE [illegible] HIGHWAY [illegible]
HAR[illegible]
STRUCTURE [illegible] #5
[illegible], MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

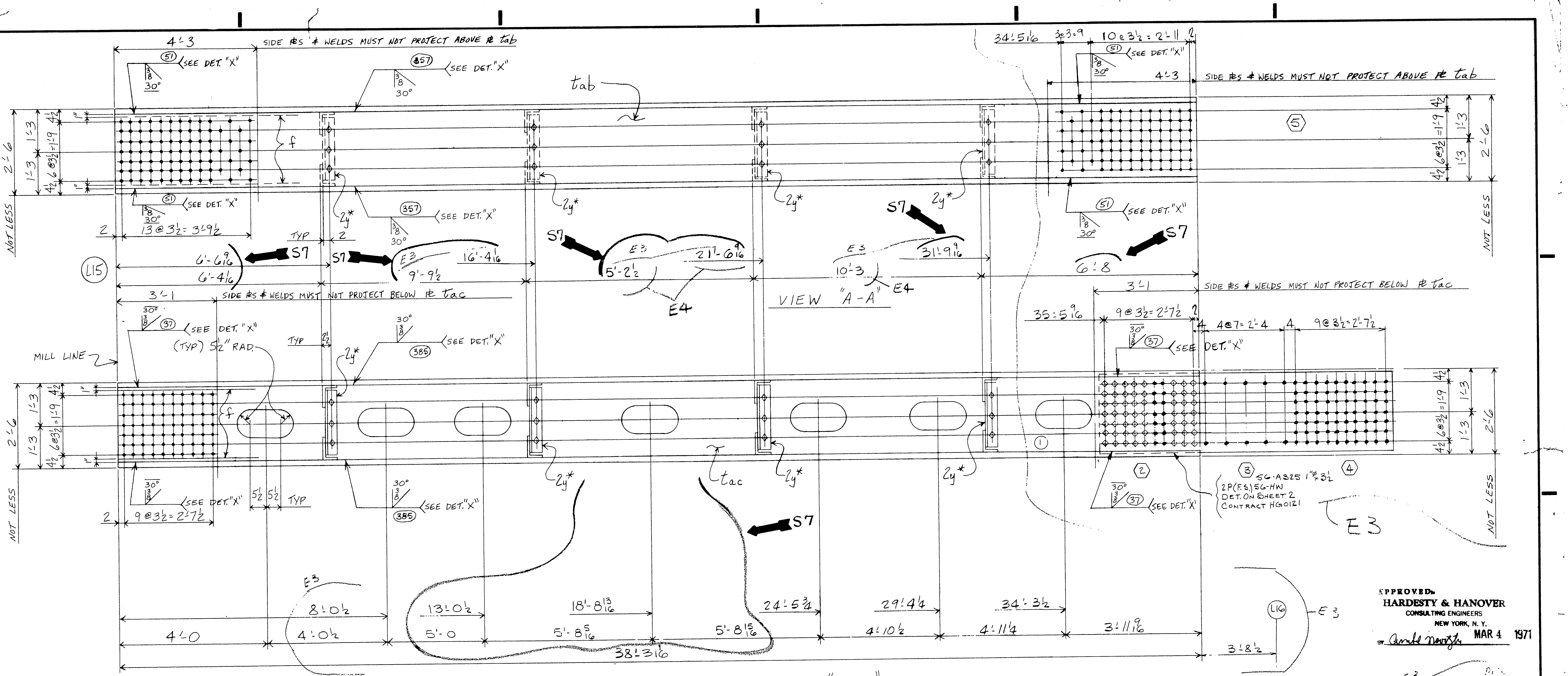
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RP DATE 12-1-70 IN CHARGE
CHECKED BY LM DATE 12-19-70 SHOP NO.
CONTRACT C606290-065 DRAWING NO. 255AB

36663 (1-65)

121-71

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

E10



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NEW YORK, N. Y.
BY Arnold Novotzky MAR 4 1971

SEC. "B-B"

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

E10

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		2-TIES: 1-255AR ⊄ 1-255AL														
②	2	t a	2	PL	36		2	38	3 1/16	MIE ⊄ T2W			42	1¾		137	1
②	3	t d	2	PL	36		2	38	3 1/16	MIE ⊄ T2W			42	1¾		137	1
	4									E3							
	5																
Ⓜ	6	t ab	2	PL	25¼		1	38	3 1/16	MIE ⊄ T2W			42	1¾		136	6
Ⓜ	7	t ac	2	PL	25¼		1	38	3 1/16	MIE ⊄ T2W			42	1¾		136	6
	8	2w*	16	∠	6	4	½	2	7½				2	8		144	14
	9	2y*	16	∠	6	3½	½	1	9¾				2	1		144	13
	10																
	11	2P	2	PL	27		1	8	7	DET ON SH #2 HG0121							
	12	2B	2	PL	69		2	7	4	E3							
	13	2C	2	PL	69		2	7	4								
	14				E5												
	15																
	16	f	8	BR	1		5/8	39	3	BACK UP BAR			43	2		142	13
	17									E3							
	18																
	19																
	20																
	21																

22												
23												
24												
25												
26		48	325	1⌀			0	3			AM	26
27		80	325	1⌀			0	4			AM	26
28		112	325	1⌀			0	3½				
29	E3											
30		416	490	1⌀			0	5½	DET. ON SH #2 CONT HG0121			
31												
32	E6											
33												
34		656	HW	2	1 1/16	3/16					AM	21
35												
36												
37	FW	2	WD			5/16	22	8				
38	B30	2	WD			1"	153	0				
39												
40												
41												
42												
43												
44												
45												

E3

				NO.	DESCRIPTION	MARK	REMARKS
		1		1	⊥ 3'-0x7'-4x44'-0	255AL	
		1		1	⊥	255AR	
		H20					

INST. REQUIRED LIST

L15-L16

MATERIAL
- ASTM-A517 PREFIX-t
- ASTM-A36 PREFIX-NONE

RIVETS OR BOLTS — 1⌀
OPEN HOLES — 1 1/16⌀
A325 FIELD BOLTS —
SHOP CONTACT SURFACES — NO PAINT
WELDING — AS NOTED
PAINT — 1 CT. RED LEAD AASHO-M72 TYPE II SEE NOTE "X"

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

NO.	DATE	INIT.
0		
9		
8		
S7	2-16	6/4/71
E6	1-4-70	LM
E5	12/29	CAD
E4	12/22	LG
E3	12/1	RP
A2	4-1	CD
D1	3-20	CD

REVISION

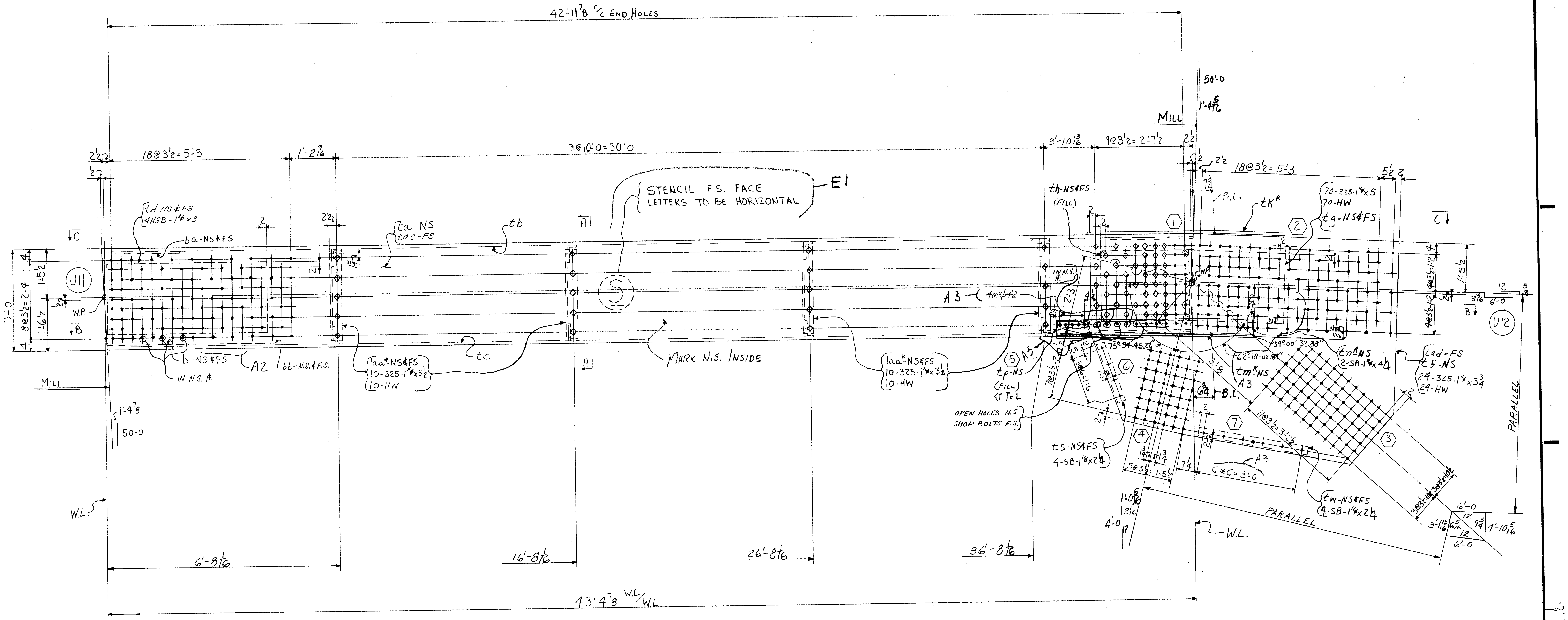
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 2-13-70 IN CHARGE LG
CHECKED BY CAD/LM DATE 12-19-70 SHOP NO.
CONTRACT CG6290-065 DRAWING NO. 255BB

121-72 NC TAPE

35042 (Rev.E 8-69)



TOP CHORD MEMBER 256A^R (U11-U12)(U11'-U12)

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

For location of details shown on this sheet refer to diagrams.
E9 & E11

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NEW YORK, N. Y.
BY Arnold Nootzle JUN 5 1970

TOP CHORD MEMBER (U11-U12) (U11'-U12')

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

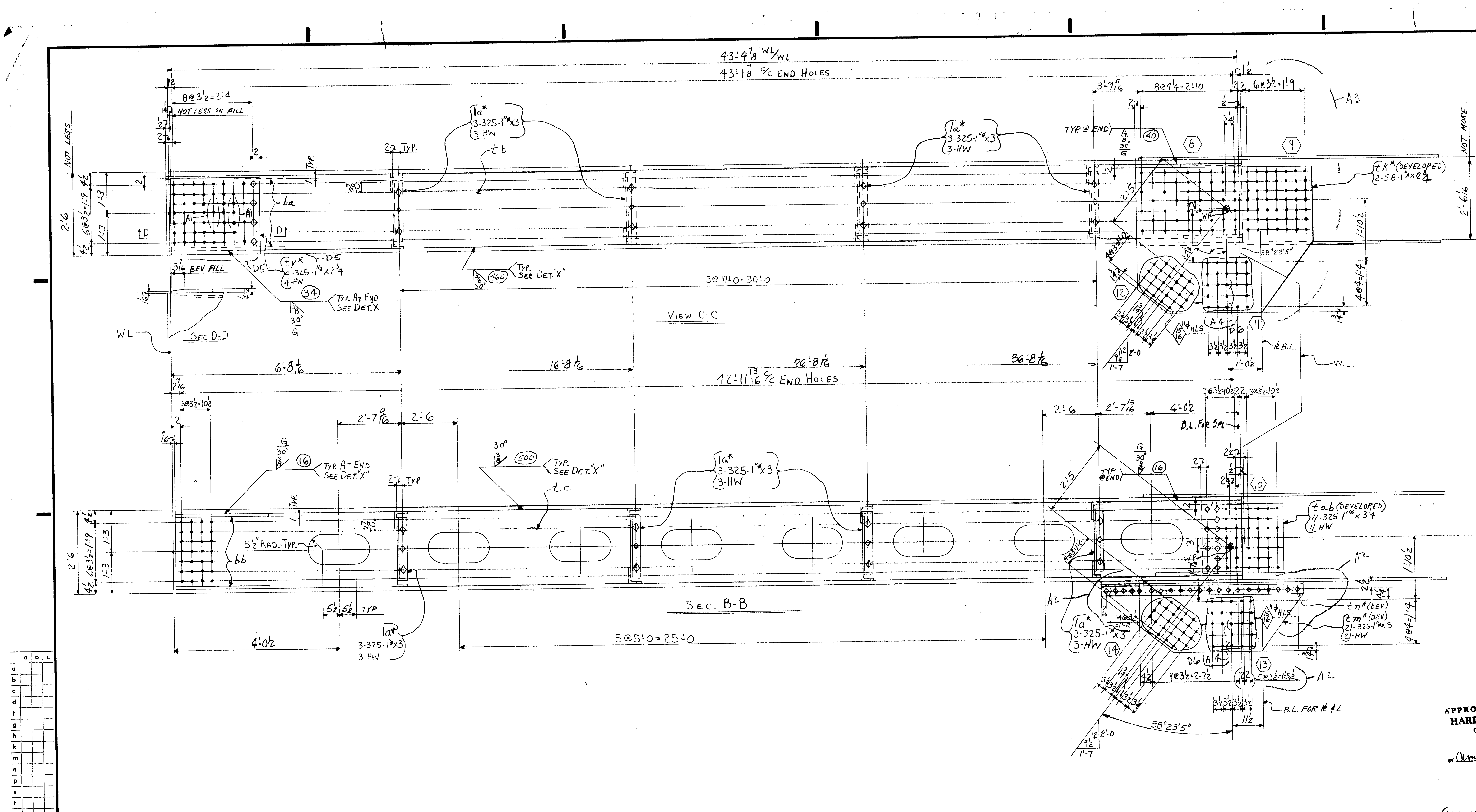
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY GCY DATE IN CHARGE LAG
CHECKED BY DATE 3-3-70 SHOP NO.
CONTRACT CG 6290-061 DRAWING NO. 256AC

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
A3	5/28	N.P.
A2	5/25	WB
E1	5/22	RP
REVISION		

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

121-73 NC TAPE

34443 (1-65)



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BY Arnold Noorzly MAR 18 1971

Top CHORD MEMBER (U11-U12) (U11'-U12')

NO.	DATE	INIT.
0		
9		
8		
7		
D6	3/10	2/LG
D5	3/10	2 WB
A4	6/11	2/ET
A3	5-29	1 CD
A2	5/28	3 N.P.
A1	5/25	WB

REVISION

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

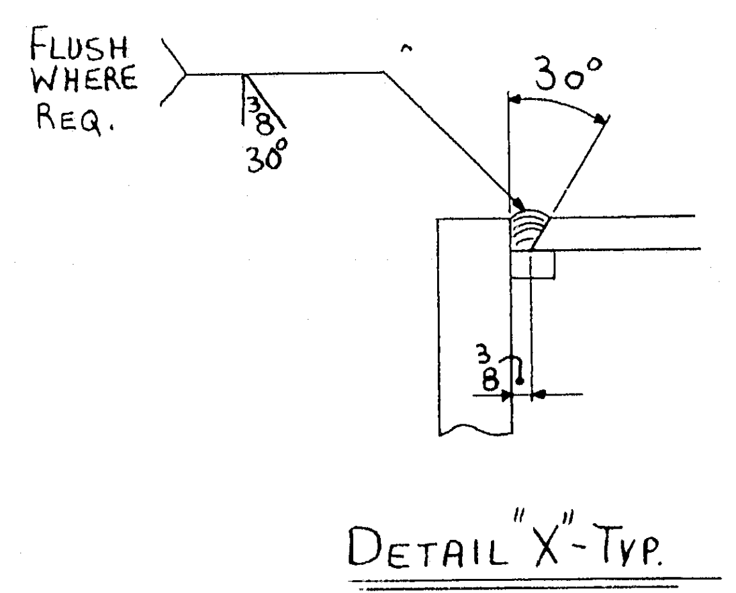
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

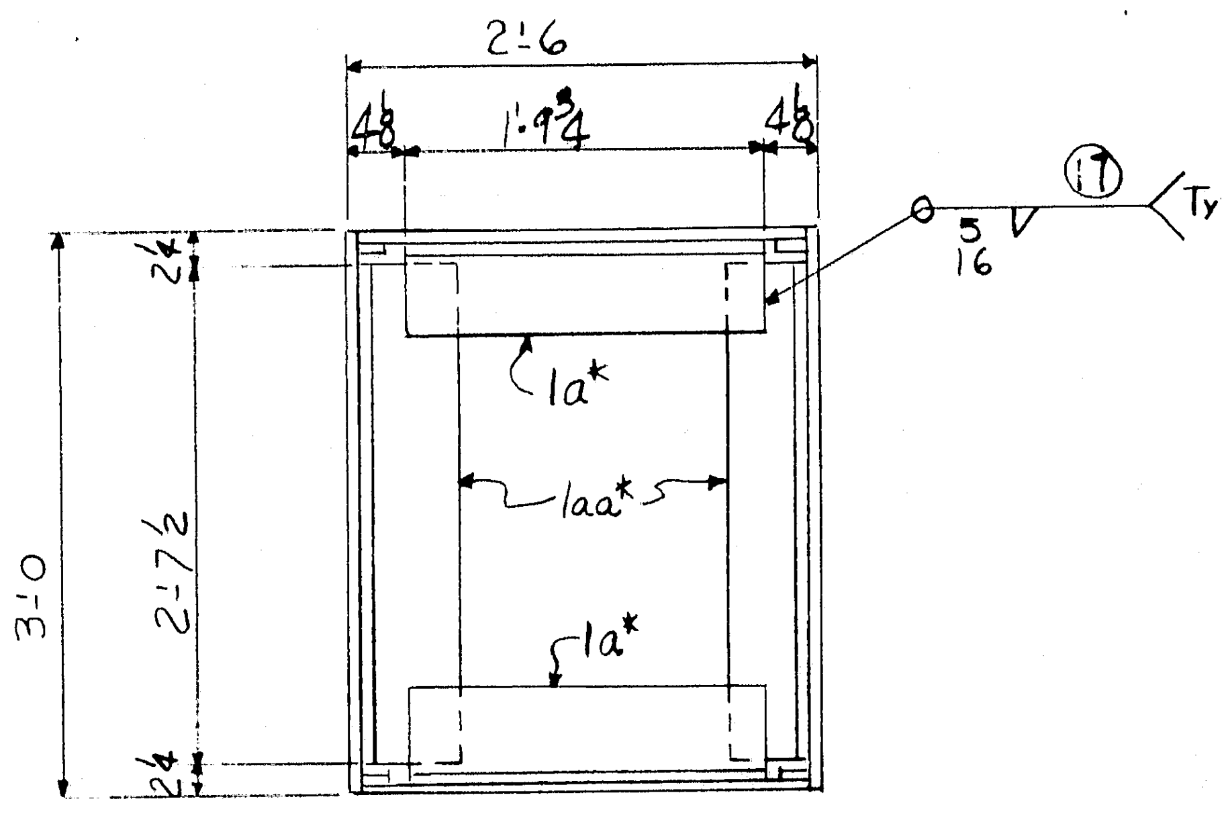
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY GCY DATE IN CHARGE LAG
CHECKED BY D DATE 3-3-70 SHOP NO.
CONTRACT CG 6290-061 DRAWING NO. 256 BC

For location of details shown on this sheet refer to diagrams.
E9 & E11

121-74 NC TAPE



DETAIL "X"-TYP.



ELECTRODES - E70XX
LOW HYDROGEN

SEC. "A-A"

D4

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1		4-Top Chord Members-2-256A^R & 2-256A^L														
2	2	t a	4	PL	36		1 5/8	43	5 7/8	M2E			43	8		118	1
M	3	t b	4	PL	26		1	43	5 7/8	M2E			43	8		119	1
M	4	t c	4	PL	26		1	43	3 13/16	M2E			43	8		119	1
	5	t d	8	PL	25		1/2	4	8 1/2							168	3
	6	t f	4	PL	80 1/4		3/4	9	2							173	1
	7	t g	8	PL	26 3/4		3/4	5	5 3/4							173	3
	8	t h	8	PL	25		3/8	2	8	A✓						173	2
	9	t k^R_L	2/2	PL	52 3/4		3/4	5	3	BENT						173	5
	10	t m^R_L	2/2	PL	24		5/8	6	3 3/4	BENT						173	7
	11	t n^R_L	2/2	L	8	8	7/8	6	3 3/4	BENT CT. 6×4						153	16
	12	t p	4	BR	(6) -A1		3/4	(1	6)							173	4
	13	t s	8	L	4	4	1/2 A	1	10							151	6
	14	t w	8	L	4	4	1/2	3	4)	— D3						151	7
	15	t y^R_L	2/2	PL	27 1/2		1/4	2	7 1/4	BEVELED AS NOTED						168	6
	16	t ab	4	PL	25		3/4	2	5	BENT						173	8
	17	ba	8	BR	1		5/8	44	5 3/4				44	8		142	3
	18	bb	8	BR	1		5/8	44	4				44	8		142	3
	19	1aa*	32	L	6	4	1/2	2	7 1/2				2	8		143	8
	20	1a*	32	L	6	3 1/2	1/2	1	9 3/4				2	1		143	7
2	21	t ac	4	PL	36		1 5/8	43	5 7/8	M2E			43	8		118	1
	22	t ad	4	PL	80 1/4		3/4	9	2							173	1
	23																
	24		160	325	1"φ			0	3 1/2								
	25		16	325	1"φ			0	2 3/4							AM26	
	26		180	325	1"φ			0	3							AM26	
	27		44	325	1"φ			0	3 1/4							AM26	
	28		96	325	1"φ			0	3 3/4							AM26	
	29		280	325	1"φ			0	5							AM26	
	30		776	HW	2	1 1/16	3/16									AM26	
	31																
	32																
	33		16	MB	1"φ			0	3	RHH & RHN (SB)							
	34		32	MB	1"φ			0	2 1/4	RHH & RHN (SB)						AM27	
	35		8	MB	1"φ			0	2 3/4	RHH & RHN (SB)						AM27	
	36		8	MB	1"φ			0	4 1/4	RHH & RHN (SB)						AM27	
	37																
	38																
	39																
	40																
	41	T30B	4	WD			1	173	8								
	42	FW	4	WD			5/16	22	8								
	43																
	44																
	45																
	46																
	47																
	48																
	49																
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	61																
	62																

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NEW YORK, N.Y.
MAR 4 1971
BY

	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.
E9 & E11

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3 from the group of holes, EXCEPT 11×22 HOLES.

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES E110XX
(EXCEPT AS NOTED)

				NO.	DESCRIPTION	MARK	REMARKS
		1	1	2	TOP CHORD MEMBER	256A^L	9'-6×3'-0×50'-0
		1	1	2	" " "	256A^R	" " "
		H14	M14				

INST. | REQUIRED LIST

MATERIAL — SHAPES - T1, PL - A517 PREFIXED t; A36 - NO PREFIX
RIVETS OR BOLTS —
OPEN HOLES - 1 1/16"φ - U.N.
A325 FIELD BOLTS
MILLING - AS NOTED
SHOP CONTACT SURFACES - N.P.
WELDING - AS NOTED
PAINT - 1 CT. RED LEAD AASHO-M72, TYPE II SEE NOTE "X"

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
D4	2/10	WB
D3	6/23	RP
A2	6/11	ET
A1	5/28	N.P.

REVISION

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

"LENGTH CORR. FOR TEMP."

TOP CHORD MEMBER (U11-U12) (U11'-U12')

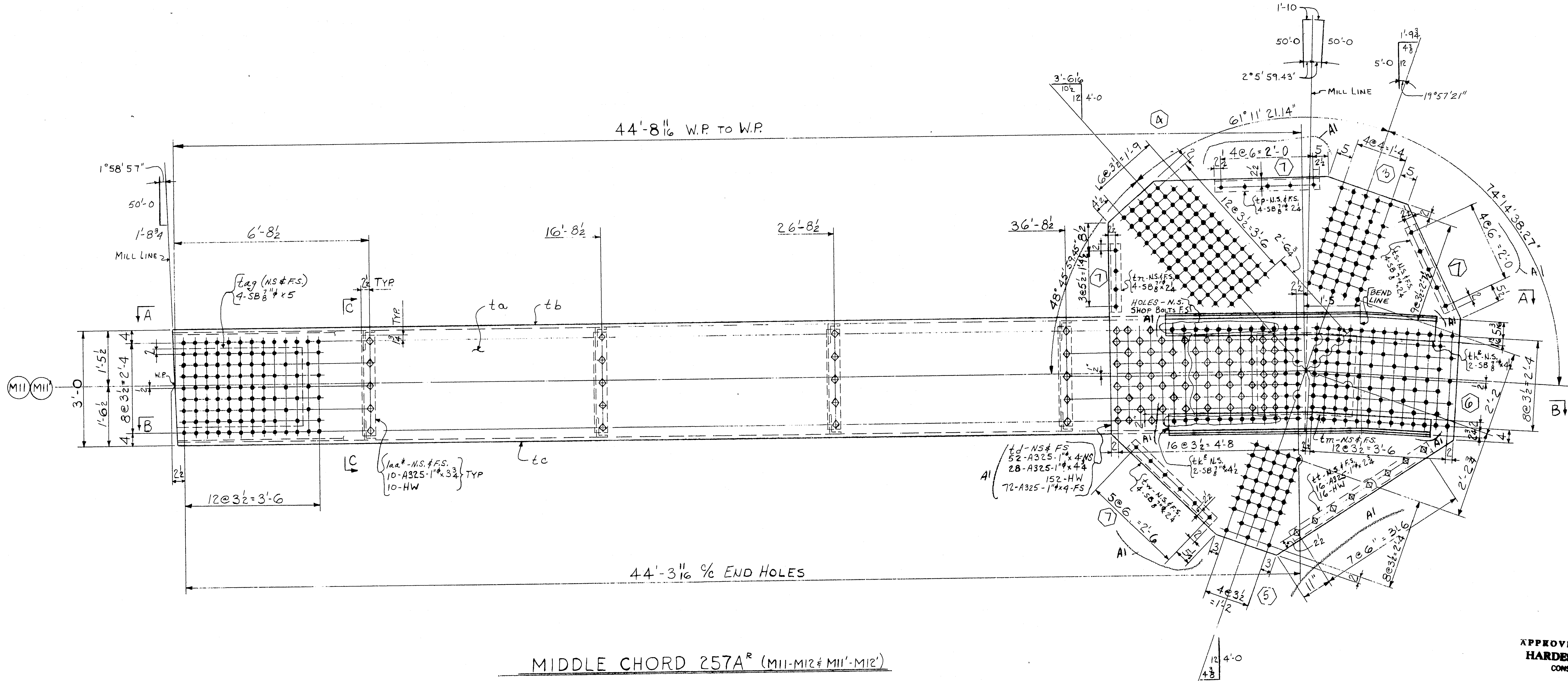
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY GCY DATE IN CHARGE LAG
CHECKED BY B DATE 3-3-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 256CC

35453 (Rev.D 8-69)

121-75 NC TAPE



MIDDLE CHORD 257A^R (M11-M12 & M11'-M12')

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NEW YORK, N. Y.
BY Conrad Novitzky JUN 3 1970

MIDDLE CHORD M11-M12

NO.	DATE	INIT.
A1	5/25	RP

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

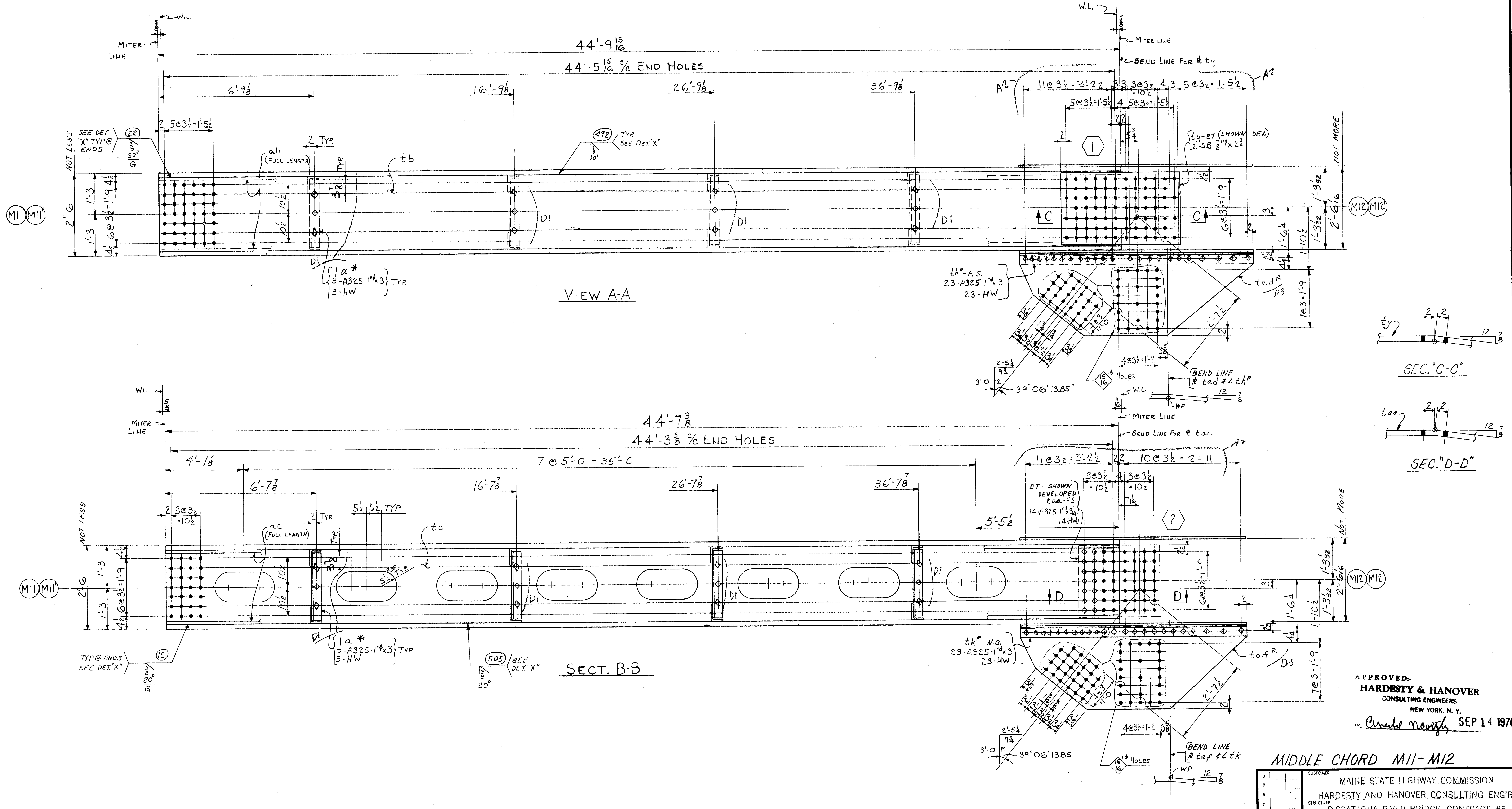
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY KMG DATE 2-16-70 IN CHARGE LAG
CHECKED BY RP DATE 3-11-70 SHOP NO.
CONTRACT CG 629-061 DRAWING NO. 257AC

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

For location of details shown on this sheet refer to diagrams.
E9 & E11

121-76

NC TAPE



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NEW YORK, N. Y.
BY Arnold Novitzky SEP 14 1970

MIDDLE CHORD M11-M12

NO.	DATE	INIT.
D3	8/27	RP
A2	5/21	RP
D1	3/12	RP

REVISION

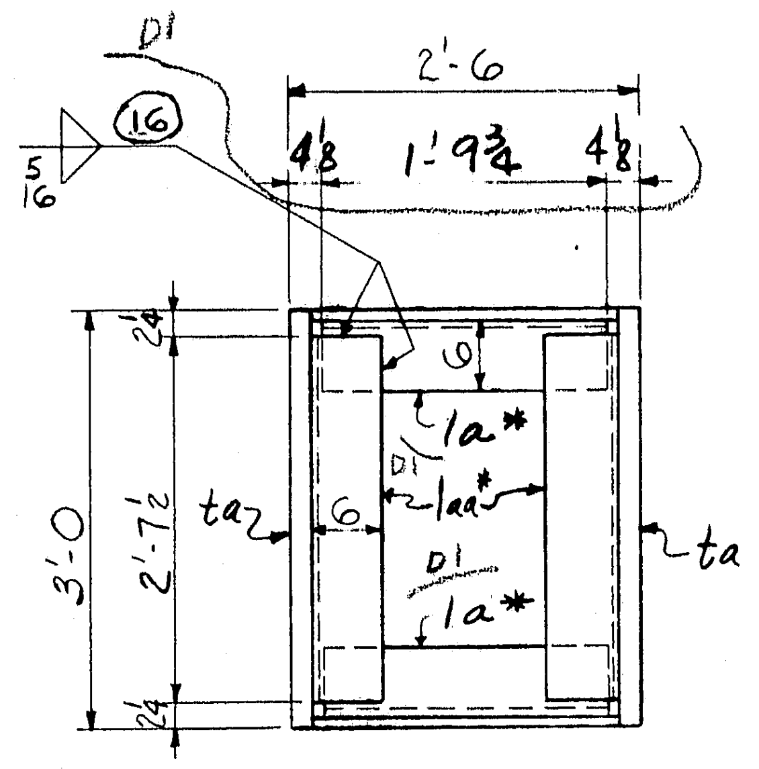
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO WORKS
CHICAGO DRAFTING ROOM
MADE BY KMG DATE 2-16-70 IN CHARGE L.A.G.
CHECKED BY RP DATE 3-11-70 SHOP NO.
CONTRACT CG 6290-06 DRAWING NO. 257BC

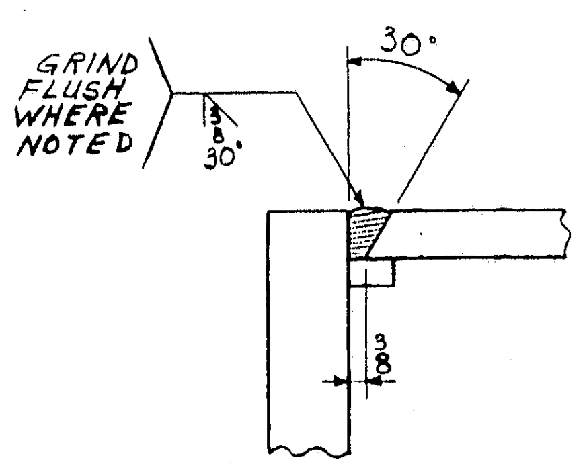
For location of details shown on this sheet refer to diagrams.
E9 & E11

121-77

NC TAPE



SECT. C-C



DETAIL "X"

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1	S4	3	MIDDLE CHORD MEMB. 1-257A^R & 2-257A^L													
②	2	t a	6	PL	36		1¾	44	9 15/16	M2E-T2W						130	01
Ⓜ	3	t b	3	PL	25¾		1	44	9 15/16	M2E-T2W						108	03
Ⓜ	4	t c	3	PL	25¾		1	44	7⅜	M2E-T2W						108	03
	5	t d	6	PL	108¾		¾	9	10¼	19'-3¾ CUTS TWO						167	01
	6	1aa*	24	L	6	4	½	2	7½							144	03
D1	7	(1a*	24	L	6	3½	½	1	9¾	) D1						144	04
	8	t h^R_L	1/2	L	8	8	⅞	6	11¾	(CUT TO 7×4) BT.						153	15
	9	t k^R_L	1/2	L	8	8	⅞	6	9½	(CUT TO 6×4) BT.						153	15
	10	t m	6	PL	26		¾	2	7							167	02
	11	t n	6	L	4	4	½	1	8½							152	04
	12	t p	6	L	4	4	½	2	5	} A2						152	04
	13	t s	6	L	4	4	½	2	4							152	04
	14	t t	6	L	4	4	½	3	10							152	04
	15	t w	6	L	4	4	½	2	10							152	04
	16	t y	3	PL	26		¾	3	7	BT.						167	04
	17	t aa	3	PL	26		¾	2	5	BT.						167	05
	18	ab	6	BR	1		⅝	45	10	BACK UP BARS						142	09
	19	ac	6	BR	1		⅝	45	7½	BACK UP BARS						142	09
D3	20	t ad^R_L	1/2	PL	29¼		⅝	6	11¾	BT. 12'-0 CUTS 2						167	06
	21	t af^R_L	1/2	PL	29¼		⅝	6	9½	BT. 11'-9 CUT 2						167	07
	22	t ag	6	PL	25		2¼	3	4	MIE							
	23																
	24	FW	3	WD			5/16	26	8								
	25	B3C	3	WD			1"	176	9								
	26		48	MB	⅞"φ			0	2¼	RHH RHN } SB							
	27		6	MB	⅞"φ			0	2¾	Do							
	28		12	MB	⅞"φ			0	4½	Do							
	29		48	325	1"φ			0	2¾							AM	26
	30		210	325	1"φ			0	3							AM	26
	31		120	325	1"φ			0	3¾							AM	26
	32		372	325	1"φ			0	4							AM	26
	33		84	325	1"φ			0	4¾							AM	26
	34		876	HW	2"φ	1 1/16"φ	3/16										
	35		42	325	1"φ			0	3¼								
	36		12	MB	⅞"φ			0	5	RHH RHN } SB							
	37																
	38																
	39																
	40																
	41																
	42																
	43																
	44																
	45																
	46																
	47																
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	54																
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	62																

S4

D3

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CONSULTING ENGINEERS
NEW YORK, N. Y.
APR 1 1971
BY Arnold Noorsky

PLs PREFIXED t - A517
Ls PREFIXED t - T1

NOTE X
[illegible] of material adjacent to [illegible] holes must be free of [illegible], loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11"x22" HAND HOLES

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES - E70XX
LOW HYDROGEN

(LENGTH CORRECTED FOR TEMP.)

INST.		REQUIRED LIST			
H14	M14	No.	DESCRIPTION	MARK	REMARKS
1		1	MIDDLE CHORD	257A^R	9'-10×5'-3×48'-10
1	1	2	Do.	257A^L	Do.

S4

MATERIAL
T1 (PREFIX t)
ASTM-A517 (PREFIX-t)
ASTM-A36 (NO PREFIX)
RIVETS OR BOLTS 1"φ
OPEN HOLES 1 1/16"φ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES N.P.
WELDING AS NOTED
PAINT 1-CT. RED LEAD AASHO-M72, TYPE II
SEE NOTE "X"

MIDDLE CHORD M11-M12

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
S4	3/19/71	4/LM
D3	8/27	RP
A2	5/25	RP
D1	3/12	5 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 #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY KMG DATE 2-17-70 IN CHARGE LAG
CHECKED BY RP DATE 3-11-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 257CC

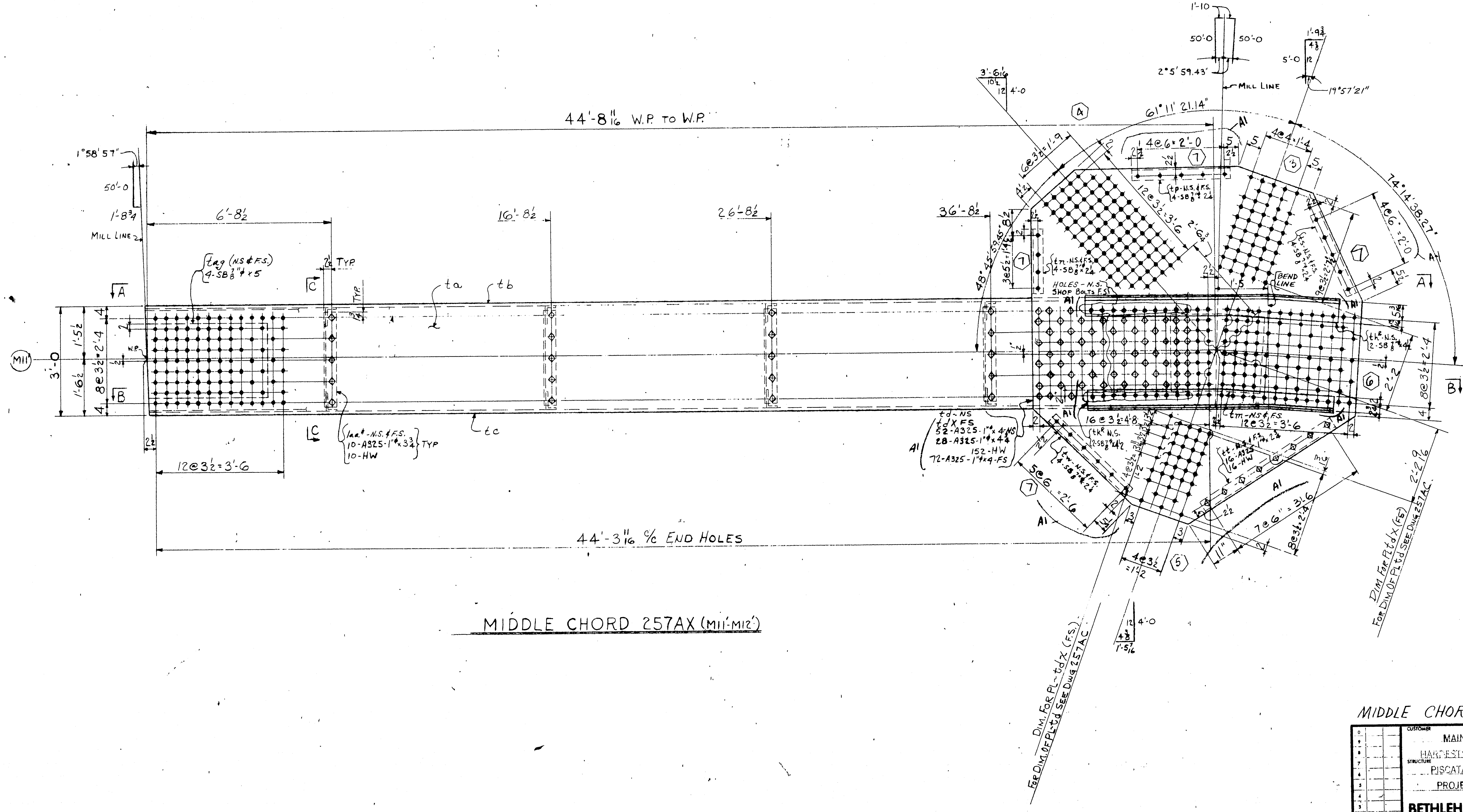
35453 (Rev.D 8-69)

121-78

NC TAPE

	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.
E9 & E11



MIDDLE CHORD 257AX (M11'-M12')

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Anatol Nowozyk APR 1 1971

MIDDLE CHORD M11'-M12'

REVISION		
NO.	DATE	INIT.
0		
9		
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A1	5/25	RP

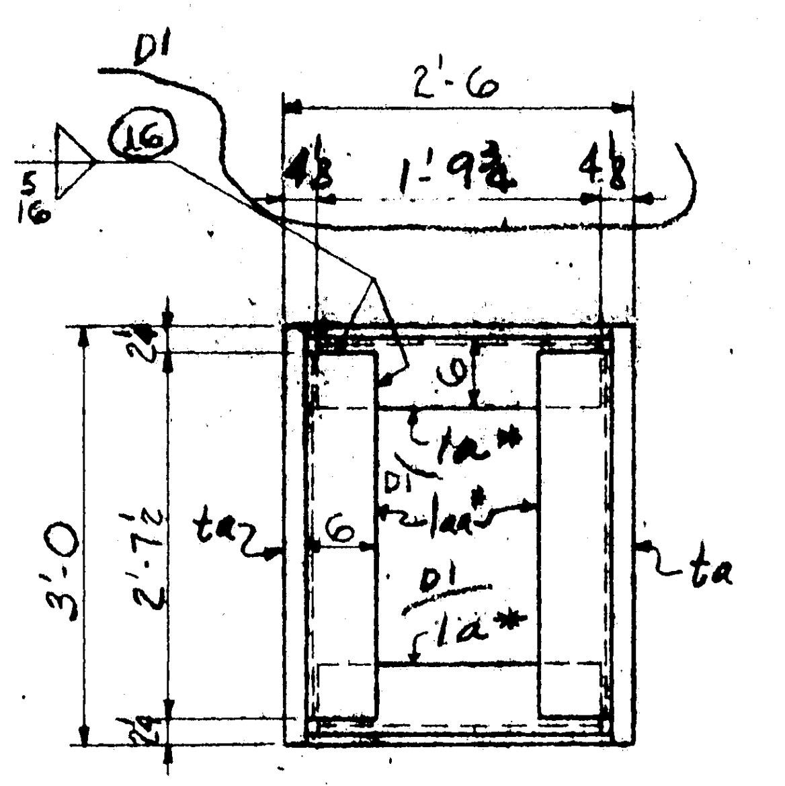
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY KMG DATE 2-16-70 IN CHARGE LAG
CHECKED BY RP DATE 3-11-70 SHOP NO.
CONTRACT CG 629-061 DRAWING NO. 257ACX

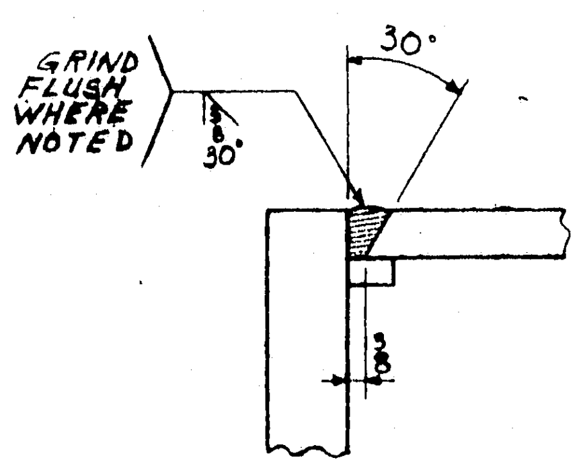
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

For location of details shown on this sheet refer to diagrams.
E11

121-79 NC TAPE



SECT. C-C



DETAIL "X"

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		1	MIDDLE CHORD MEMB. ~257AX													
②	2	t a	2	PL	36		1¾	44	9 15/16	M2E-T2W						180	01
Ⓜ	3	t b	1	PL	25¾		1	44	9 15/16	M2E-T2W						108	03
Ⓜ	4	t c	1	PL	25¾		1	44	7⅜	M2E-T2W						108	03
	5	t d	1	PL	108¼		¾	9	10¼	19'-3¾ Cut td & tdx						167	01
	6	1aa*	8	L	6	4	½	2	7½							144	03
D1	7	(1a*	8	L	6	3½	½	1	9¾	) D1						144	04
	8	t h^R	1	L	8	8	⅞	6	11¾	(CUT TO 7x4) BT.						153	15
	9	t k^R	1	L	8	8	⅞	6	9½	(CUT TO 6x4) BT.						153	15
	10	t m	2	PL	26		¾	2	7							167	02
	11	t n	2	L	4	4	½	1	8½							152	04
	12	t p	2	L	4	4	½	2	5	} A2						152	04
	13	t s	2	L	4	4	½	2	4	} A2						152	04
	14	t t	2	L	4	4	½	3	10	} A2						152	04
	15	t w	2	L	4	4	½	2	10	} A2						152	04
	16	t y	1	PL	26		¾	3	7	BT.						167	04
	17	t aa	1	PL	26		¾	2	5	BT.						167	05
	18	ab	2	BR	1		⅝	45	10	BACK UP BARS						142	09
	19	ac	2	BR	1		⅝	45	7½	BACK UP BARS						142	09
D3	20	t ad^R	1	PL	29¼		⅝	6	11¾	BT. 12'-0 CUTS 2						167	06
D3	21	t af^R	1	PL	29¼		⅝	6	9½	BT. 11'-9 CUT 2						167	07
	22	t ag	2	PL	25		2¼	3	4	M1E							
	23	t dx	1	PL	108¾		¾	9	10¼	19'-3¾ Cuts tdx & td						167	01
	24	FW	1	WD			5/16	26	8								
	25	B30	1	WD			1"	176	9								
	26		16	MB	⅞"φ			0	2¼	RHH RHN } SB							
	27		2	MB	⅞"φ			0	2¾	Do							
	28		4	MB	⅞"φ			0	4½	Do							
	29		16	325	1"φ			0	2¾							AM	26
	30		70	325	1"φ			0	3							AM	26
	31		40	325	1"φ			0	3¾							AM	26
	32		124	325	1"φ			0	4							AM	26
	33		28	325	1"φ			0	4¾							AM	26
	34		292	HW	2"φ	1 1/16"φ	3/16										
	35		14	325	1"φ			0	3¼								
	36		4	MB	⅞"φ			0	5	RHH RHN } SB							
	37																
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170/04

APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
Emil Nootzly APR 1 1971

Ⓟs PREFIXED t - A517
Ls PREFIXED t - T1

N.U. X
Ro[illegible] of material adjacent to [illegible] holes must be free of [illegible], loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11"x22" HAND HOLES

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES - E70XX
LOW HYDROGEN

(LENGTH CORRECTED FOR TEMP.)

INST.			REQUIRED LIST			
	H14	M14	No.	DESCRIPTION	MARK	REMARKS
		1	1	MIDDLE CHORD	257AX	9'-10x5'-3x48'-10

MATERIAL { T1 (PREFIX t) ASTM-A517 (PREFIX t) ASTM-A36 (NO PREFIX)
RIVETS OR BOLTS 1"φ
OPEN HOLES 1 1/16"φ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES N.P.
WELDING AS NOTED
PAINT 1-CT. RED LEAD AASHO-M72, TYPE II
SEE NOTE "X"

NO.	DATE	RMT.
0		
9		
8		
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5		
4		
D3	8/27	RP
A2	5/21	RP
D1	3/12	5 RP

REVISION

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

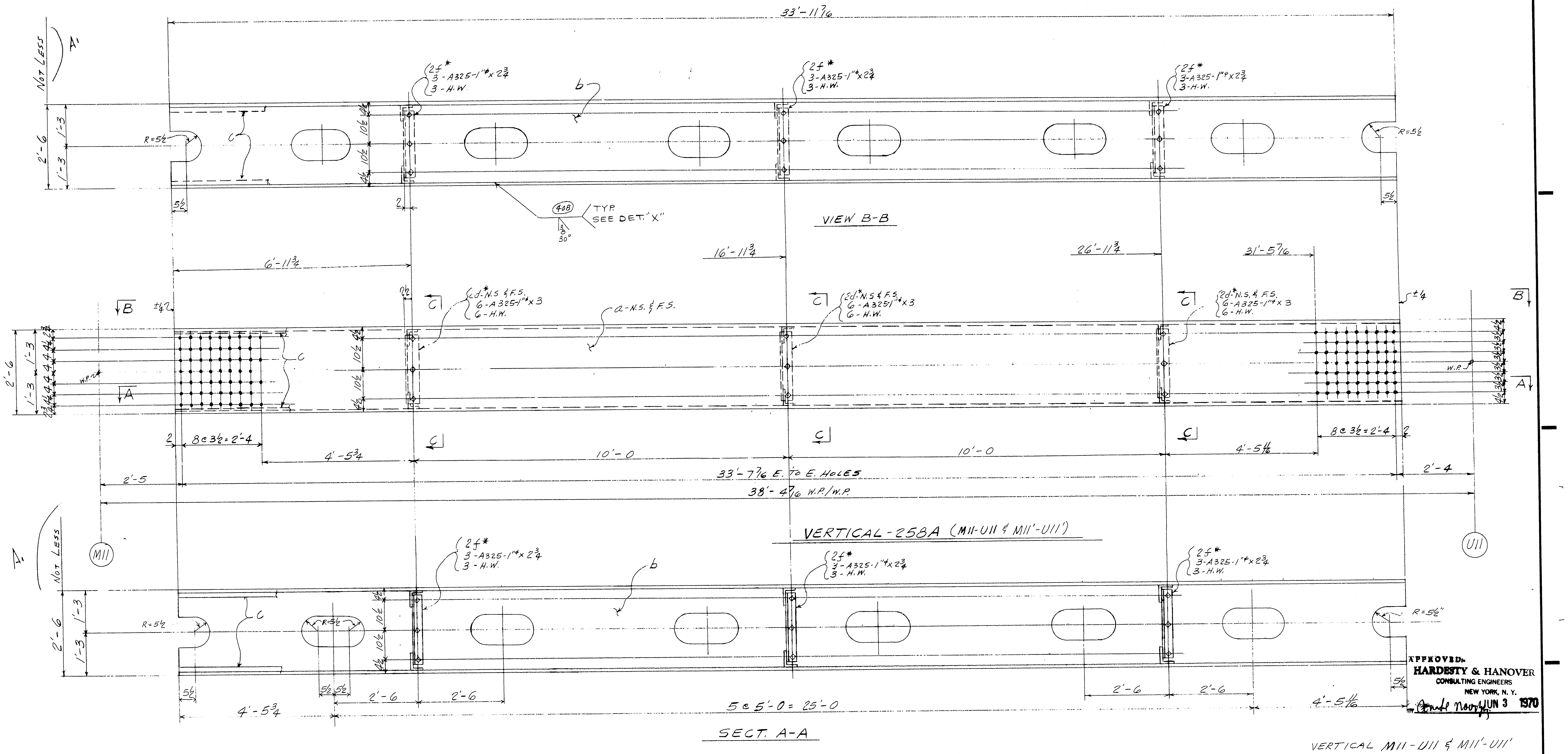
MIDDLE CHORD M11'-M12'

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 KMG DATE 2-17-70 IN CHARGE ZAG
CHECKED BY RP DATE 3-11-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 257CGX

121-80 NC TAPE

For location of details shown on this sheet refer to diagram.
E11



APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Arnold Noory JUN 3 1970

VERTICAL M11-U11 & M11'-U11'

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		
A1	2-26	2/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

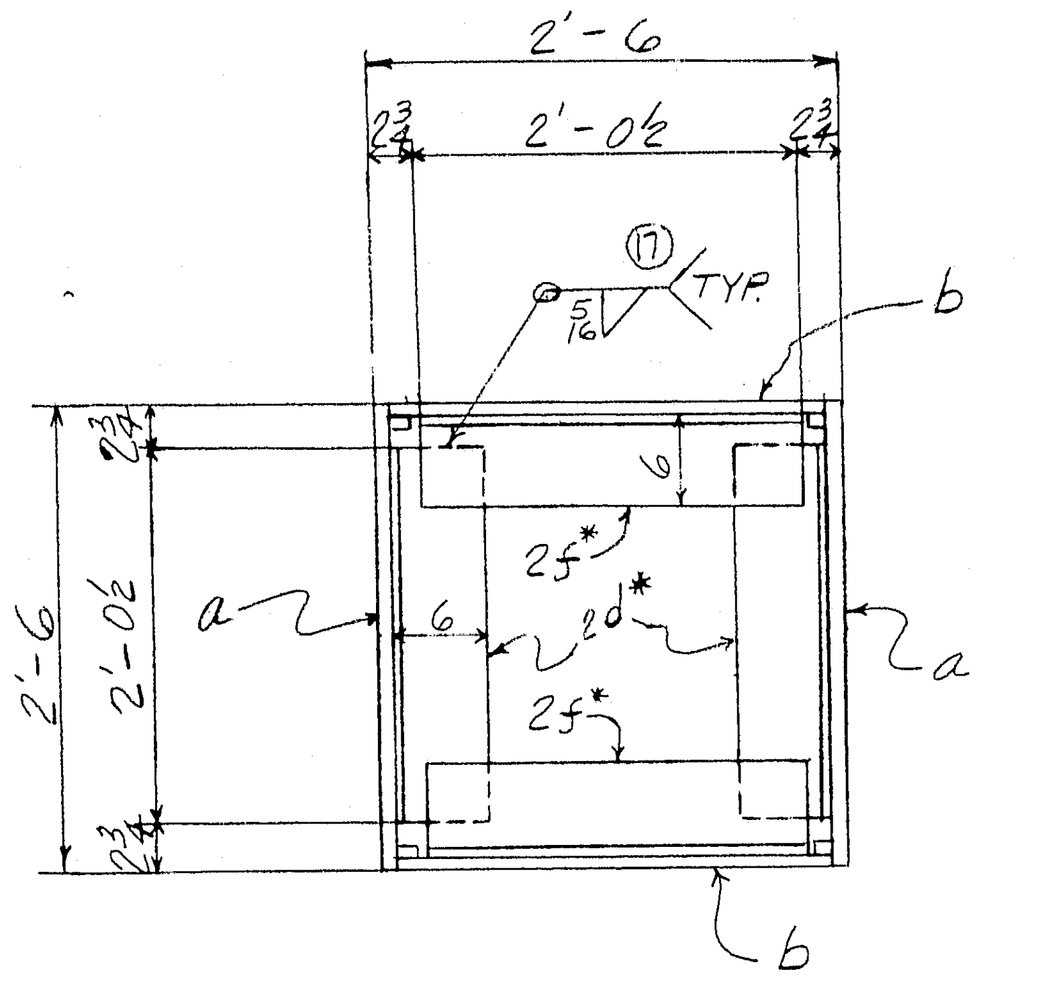
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY J.A.L. DATE 2-17-70 IN CHARGE L.G.
CHECKED BY B DATE 3-6-70 SHOP NO.
CONTRACT CG 6290-063 DRAWING NO. 258AB

34663 (1-65)

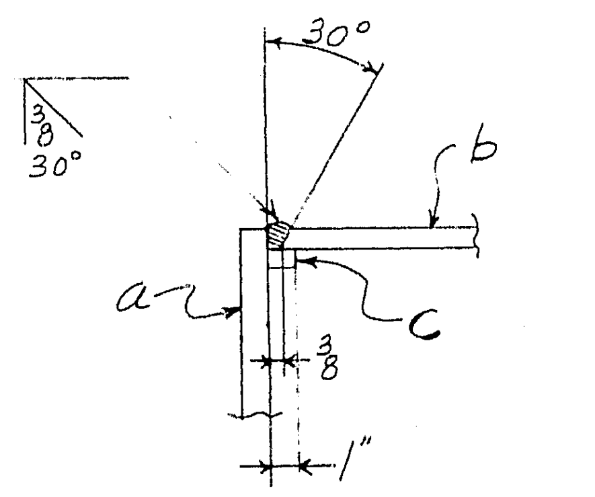
For location of details shown on this sheet refer to diagrams.

E9-E11

121-81



SEC. C-C



DETAIL "X" (TYP)

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT	MILL ORDER LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1	4-VERTICALS-258A															
2	2	a	8	PL	30		1	33	11 7/16				34	3		192	1
M	3	b	8	PL	27 1/4		3/4	33	11 7/16	T2W			34	3		192	2
M	4	c	16	BR	1		5/8	34	11 7/16	BACK UP BARS			35	1		193	1
	5	2d*	24	L	6	4	1/2	2	0 1/2				2	2		194	1
	6	2f*	24	L	6	3 1/2	1/2	2	0 1/2				2	1		194	2
	7																
	8																
	9	FW	4	WD			5/16	17	0								
	10	B30	4	WD			3/4	135	10								
	11																
	12		72	325	1"ϕ			0	3							AM26	
	13		72	325	1"ϕ			0	2 3/4							AM26	
	14		144	H.W.	2"ϕ	1 1/16"ϕ	3/16										
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APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY MAY 20 1970

ELECTRODES - E70XX
LOW HYDROGEN

LENGTH CORRECTED FOR TEMPERATURE
VERTICAL M11-U11 & M11'-U11'

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

INSTALLMENT		REQUIRED LIST			
H12	M12	QTY.	MARK	DESCRIPTION	REMARKS
2	2	4	258A	VERTICAL	2'-6x2'-6x34'-0

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11" x 22" HAND HOLES

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

MATERIAL A.S.T.M. A36
~~SHOP OR~~ BOLTS 1"ϕ
OPEN HOLES 1 1/16"ϕ U.N
A325 FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING - AS NOTED
PAINT 1-CT RED LEAD AASHO-M72, TYPE II SEE NOTE "X"

REVISION NO.	DATE	INIT.
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

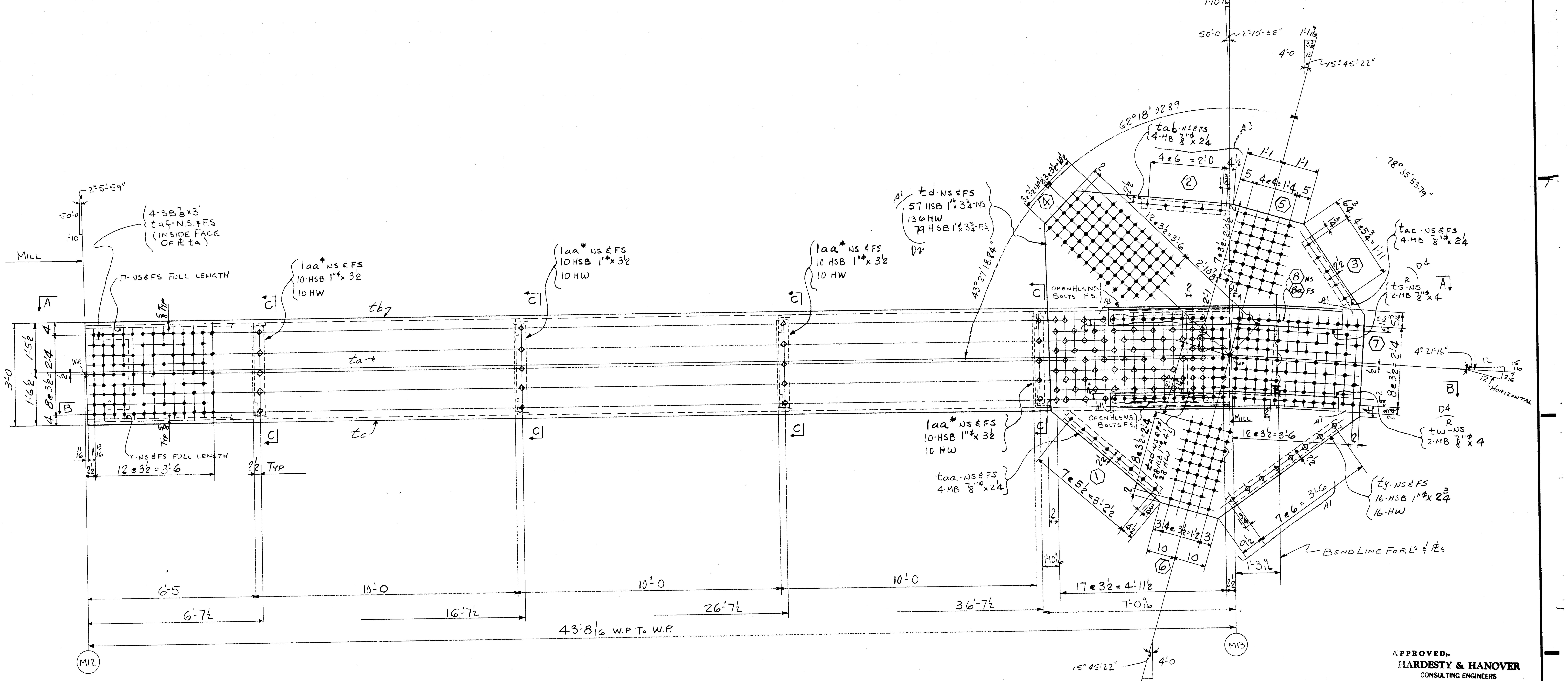
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY J.A.L. DATE 2-17-70 IN CHARGE L.G.
CHECKED BY 8 DATE 3-6-70 SHOP NO.
CONTRACT CG6290-063 DRAWING NO. 258BB

For location of details shown on this sheet refer to diagrams.
E9 & E11

35453 (Rev.D 8-69)

121-82 NC TAPE

0 1 2 3 4 5 6



MIDDLE TRUSS CHORD 259A^R (M12 TO M13)

APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
Anatol Noostyl APR 19 1971

MIDDLE TRUSS CHORD AT POINT M12 TO M13

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

SEE SHEET 259CC

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
D4	4/1	RP
3	5/11	RP
D2	4/15	RP
1	4/13	RP

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

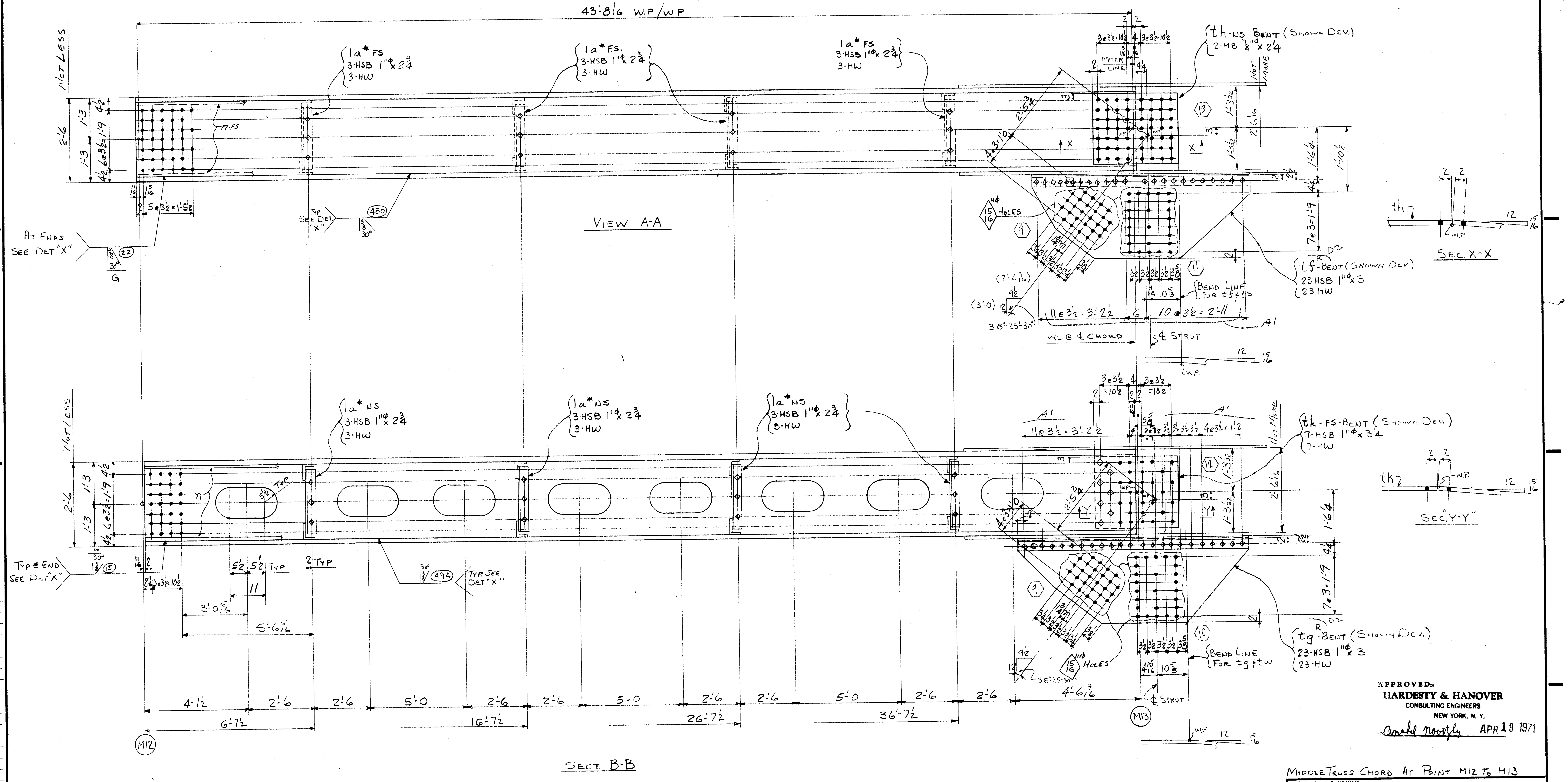
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY SAK DATE 2-16-70 IN CHARGE L. GOTHBERG
CHECKED BY RC DATE 3-17-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 259AC

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

For location of details shown on this sheet refer to diagrams.
E9- E11

121-83 NC TAPE



APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
Amahl Noorzly APR 19 1971

MIDDLE TRUSS CHORD AT POINT M12 TO M13

MATERIAL	SEE SHEET 259CC
RIVETS OR BOLTS	
OPEN HOLES	
A325 FIELD BOLTS	
SHOP CONTACT SURFACES	
PAINT	

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	4/7	2 RP
A1	4/13	3 RP

REVISION

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

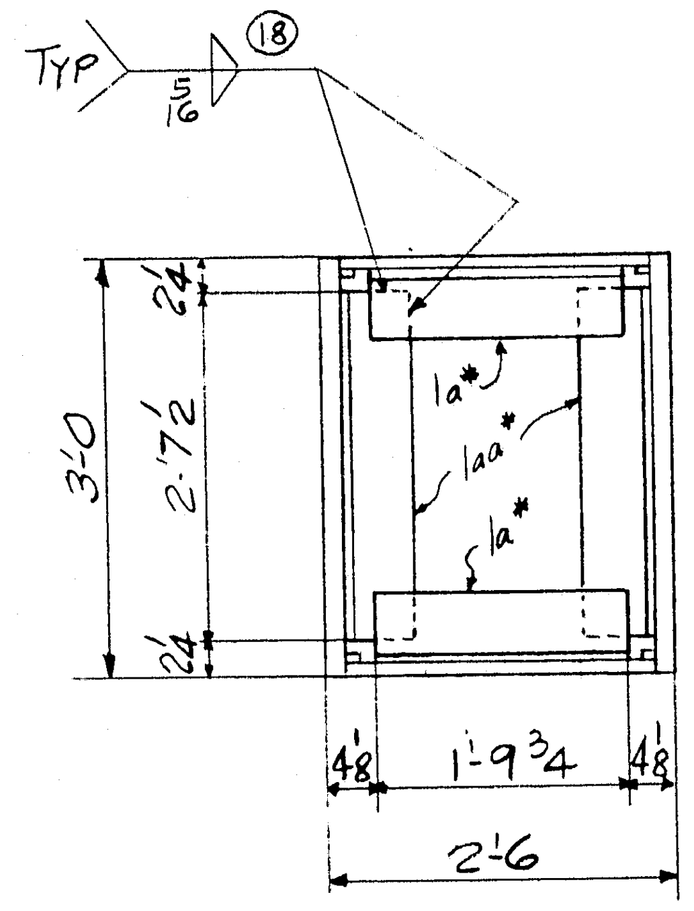
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

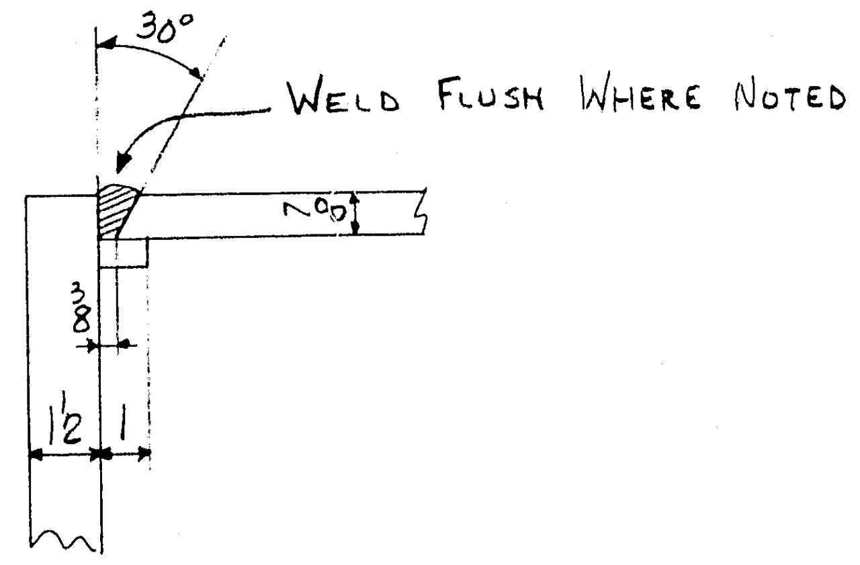
CHICAGO DRAFTING ROOM — CHICAGO WORKS
MADE BY SAK DATE 2-19-70 IN CHARGE L. GOTHBERG
CHECKED BY RP DATE 3-17-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 259BC

For location of details shown on this sheet refer to diagrams.
E9- E11

121-84 NC TAPE



SECT. C-C



DETAIL "X" TYP @ CORNERS

(WELD DETAIL)

		1	1	2	BOTT. TRUSS CHORD	259A^R	9'-6 x 5'-4 x 47'-7
		1	1	2	⟆	259A^L	⟆
		M15	H15	NO.	DESCRIPTION	MARK	REMARKS
INST.				REQUIRED LIST			

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY
APR 19 1971

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT FOR 11x22 INCH HOLES

PLs PREFIXED t- A517 STEEL
Ls PREFIXED t-- t1 STEEL

LENGTH CORRECTED FOR TEMP

ELECTRODES - E70XX LOW HYDROGEN

MATERIAL: T1 PREFIX t; A517-PREFIX t; A36-NO PREFIX
[redacted] BOLTS 1"⌀
OPEN HOLES 1 1/16" U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING: AS NOTED
PAINT 1-CT. RED LEAD AASHO-M72 TYPE II SEE NOTE "X"

For location of details shown on this sheet refer to diagrams.
E9-E11

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1			4-BOTTOM TRUSS CHORD 2-259A^R & 2-259A^L													
②	2	t a	8	PL	36		1/2	43	9 7/16	MZE-TZW						132	1
Ⓜ	3	t b	4	PL	26 1/4		7/8	43	9 7/16	MZE-TZW	78 3/4	7/8	43	11 1/2		133	4
Ⓜ	4	t c	4	PL	26 1/4		7/8	43	6 1/16	MZE-TZW	52 1/2	7/8	43	11 1/2		133	5
	5	t d	8	PL	107 1/2		3/4	10	4 3/4	(19'5 CUTS 2)			19	8		174	1
	6	t f R/L	2/2	PL	29 1/4		5/8	6	11 1/2	BENT (11'10 CUTS 2)						174	4
DA	7	t g R/L	2/2	PL	29 1/4		5/8	6	9 1/2	BENT (11'7 CUTS 2)						174	4
	8	t af	8	PL	25		1/4	1	3 1/16	MIE							
	9																
	10	n	16	BR	1		5/8	44	9 1/16	BACK UP BAR						142	10
	11																
	12	t s R/L	2/2	L	8	8	7/8	6	11 1/2	CUT TO 7x4x7/8 BT						153	15
	13	t w R/L	2/2	L	8	8	7/8	6	9 1/2	CUT TO 6x4x7/8 BT						153	16
	14	t y	8	L	4	4	1/2	3	9 1/2	)A1						152	4
	15	t aa	8	L	4	4	1/2	3	6							152	4
	16	t ab	8	L	4	4	1/2	2	3 1/2	)A3						152	4
	17	t ac	8	L	4	4	1/2	2	2 1/2							152	4
	18	t ad	8	PL	25 3/4		3/4	2	7							174	2
	19	1aa*	32	L	6	4	1/2	2	7 1/2							144	6
	20	1a*	32	L	6	3 1/2	1/2	1	9 3/4							144	5
	21	t h	4	PL	27		1	2	5	BENT						174	5
	22	t k	4	PL	27		1	2	5	BENT						174	5
	23		56	MB	7/8			0	2 1/4	RHN-RHH (S.B)						AM	27
	24		16	MB	7/8			0	4	RHN-RHH (S.B)						AM	27
	25		184	325	1			0	3							AM	26
	26		160	325	1			0	2 3/4							AM	26
	27		112	325	1			0	4 1/2							AM	26
	28		160	325	1			0	3 1/2							AM	26
	29	A1	544	325	1			0	3 3/4							AM	26
	30	D2	1188	HW	2	1 1/16	3/16										
	31		28	325	1			0	3 1/4								
	32	B30	4	WD			7/8	174	6								
	33	FW	4	WD			5/16	24	0								
	34		16	MB	7/8			0	3	RHH-RHN (S.B)							
	35																
	36																
	37																
	38																
	39																
	40																
	41																
	42																
	43																
	44																
	45																

MIDDLE CHORD MEMBER AT POINT M12 TO M13

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
D4	4/7	RP
A3	5/11	RP
D2	4/15	RP
A1	4/13	RP
REVISION		

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

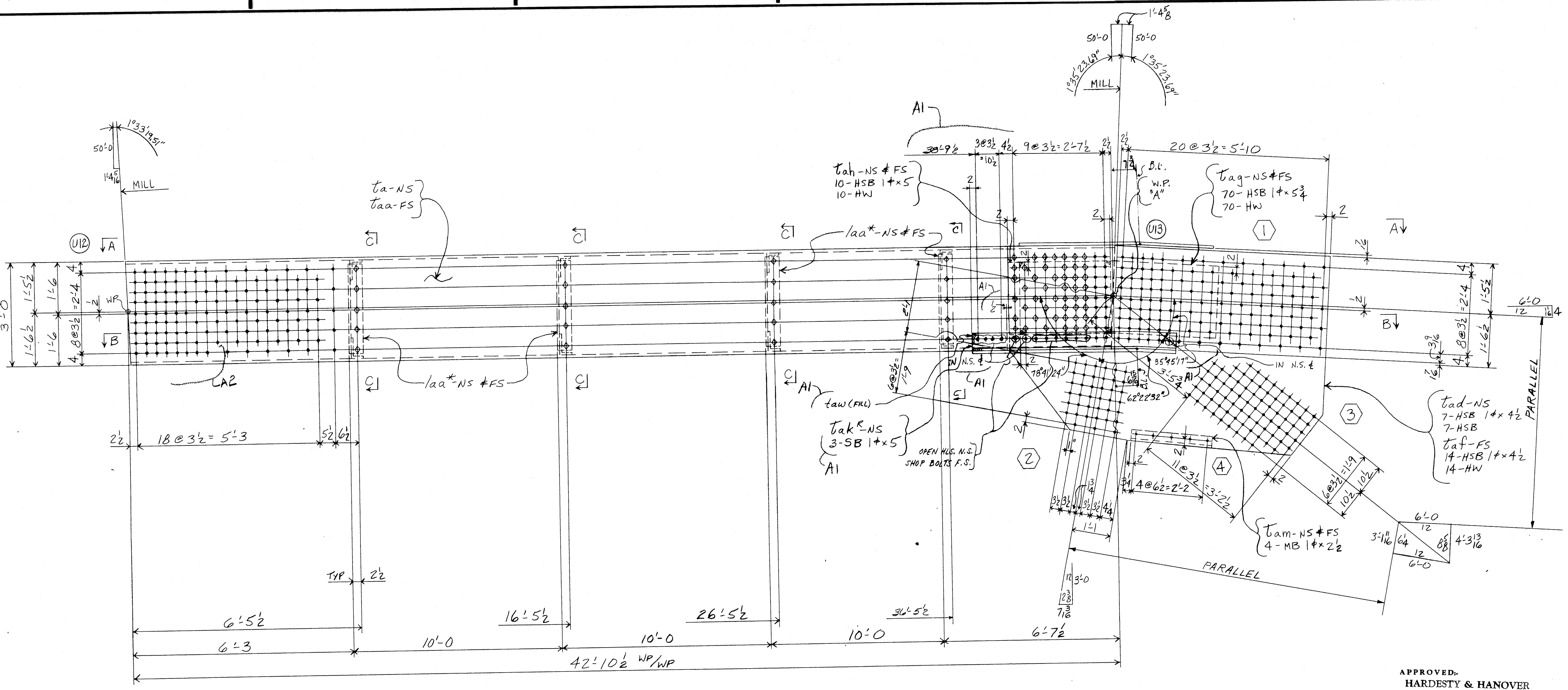
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY SAK DATE 7-19-70 IN CHARGE L. GOTHBERG
CHECKED BY RP DATE 3-17-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 259CC

35042 (Rev.E 8-69)

121-85 NC TAPE



CHORD - 260A^R (U12-U13 & U12'-U13')

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

"LENGTH CORR. FOR TEMP."

TOP CHORD MEMBER U12-U13 & U12'-U13'

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

SEE SHT #260CC

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
A2	6/11	1/ET
A1	4/24	WB

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

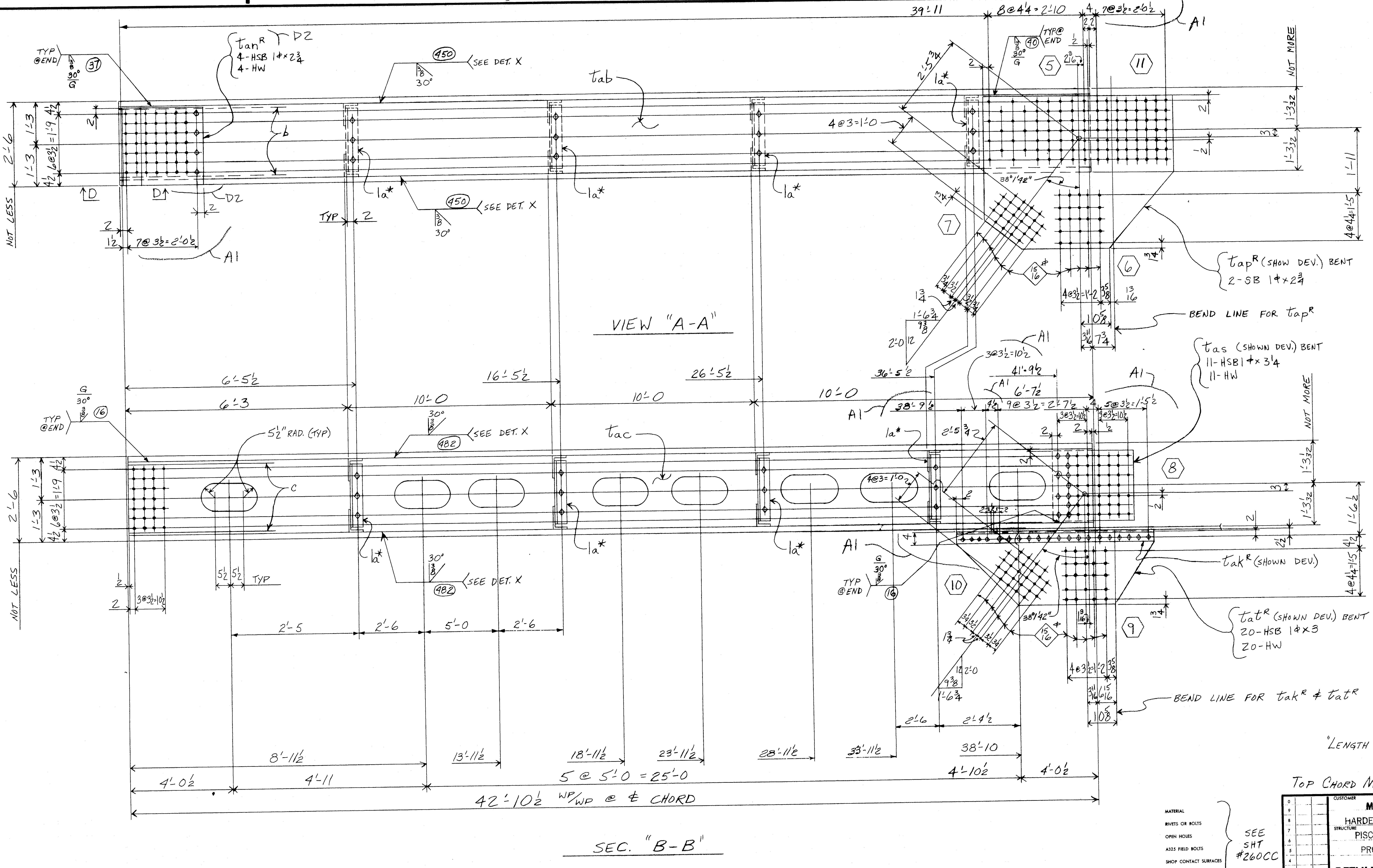
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 2-16-70 IN CHARGE LG
CHECKED BY DATE 3-9-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 260AC

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

For location of details shown on this sheet refer to diagrams.
E9 & E11

NC TAPE 121-86



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CONSULTING ENGINEERS
NEW YORK, N. Y.
by Amb Navig MAR 4 1971

"LENGTH CORR. FOR TEMP."

TOP CHORD MEMBER U12-U13 & U12'-U13'

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

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT
SEE SHT #260CC

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	2/11	2 WB
A1	4/24	6 WB

REVISION

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

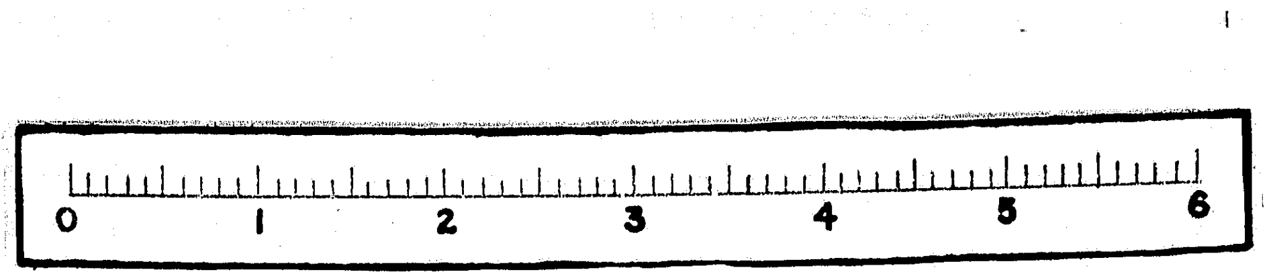
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

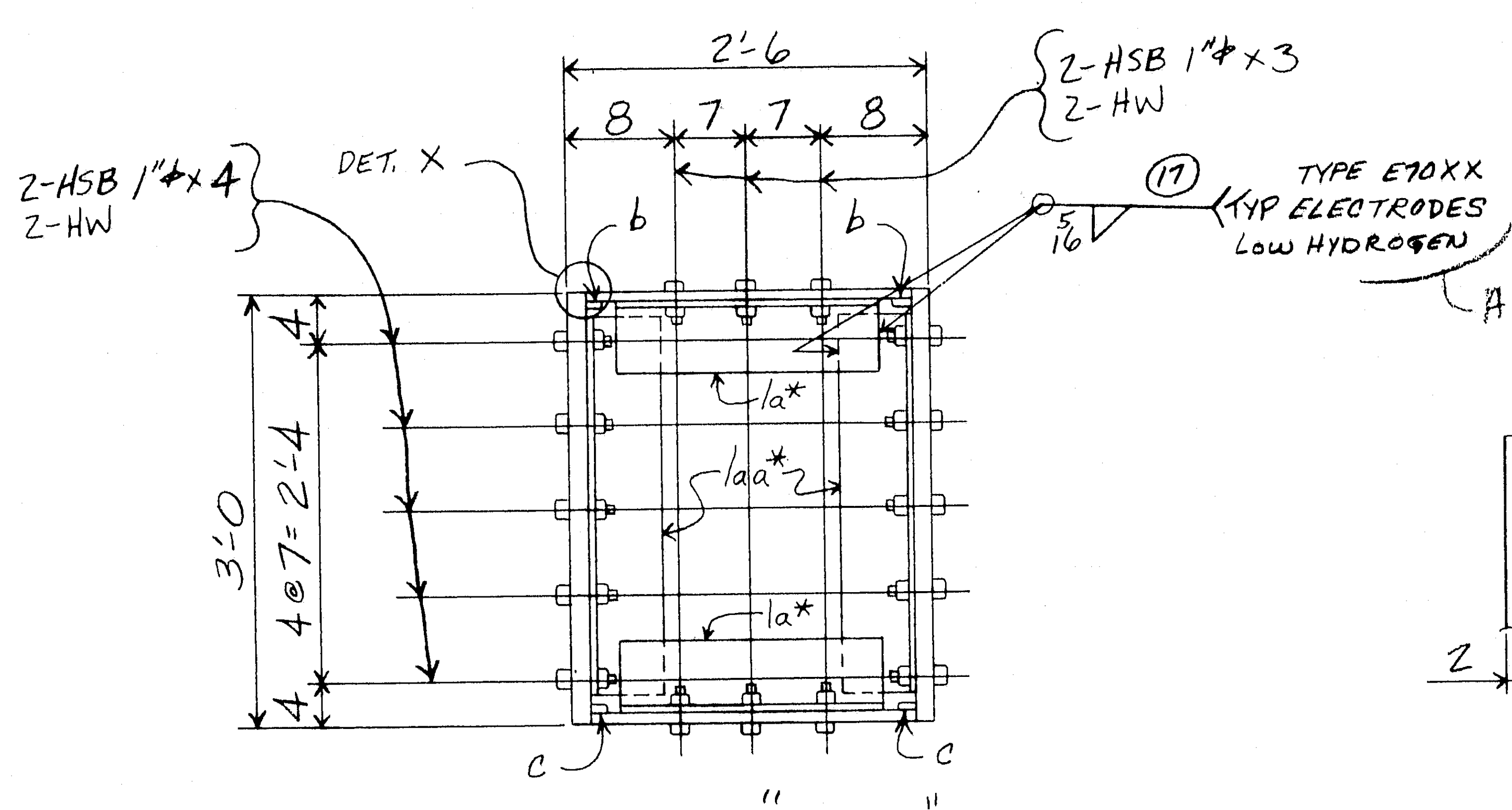
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 2-17-70 IN CHARGE L.G.
CHECKED BY D DATE 3-2-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 260BC

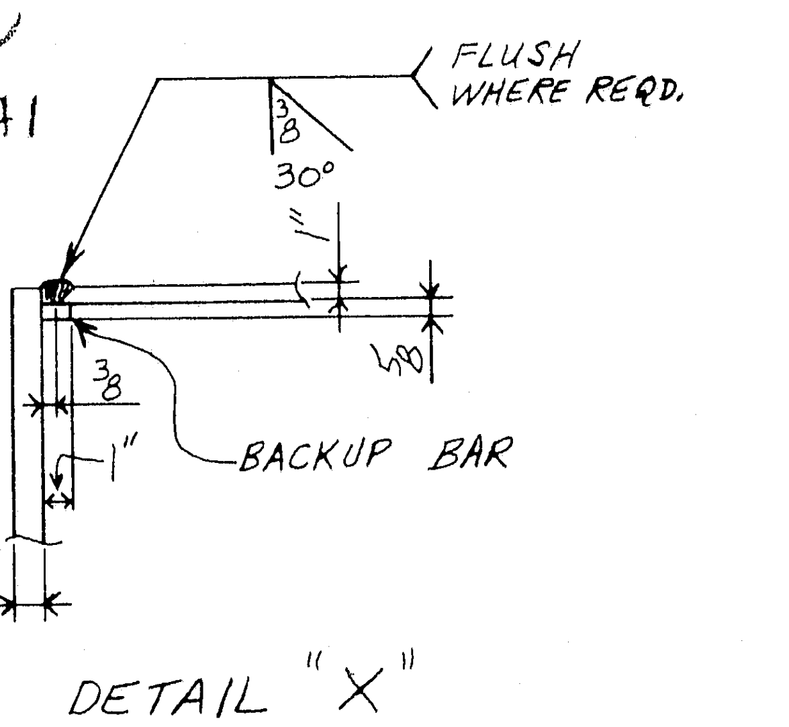
For location of details shown on this sheet refer to diagrams.
E9 & E11

121-87 NC TAPE

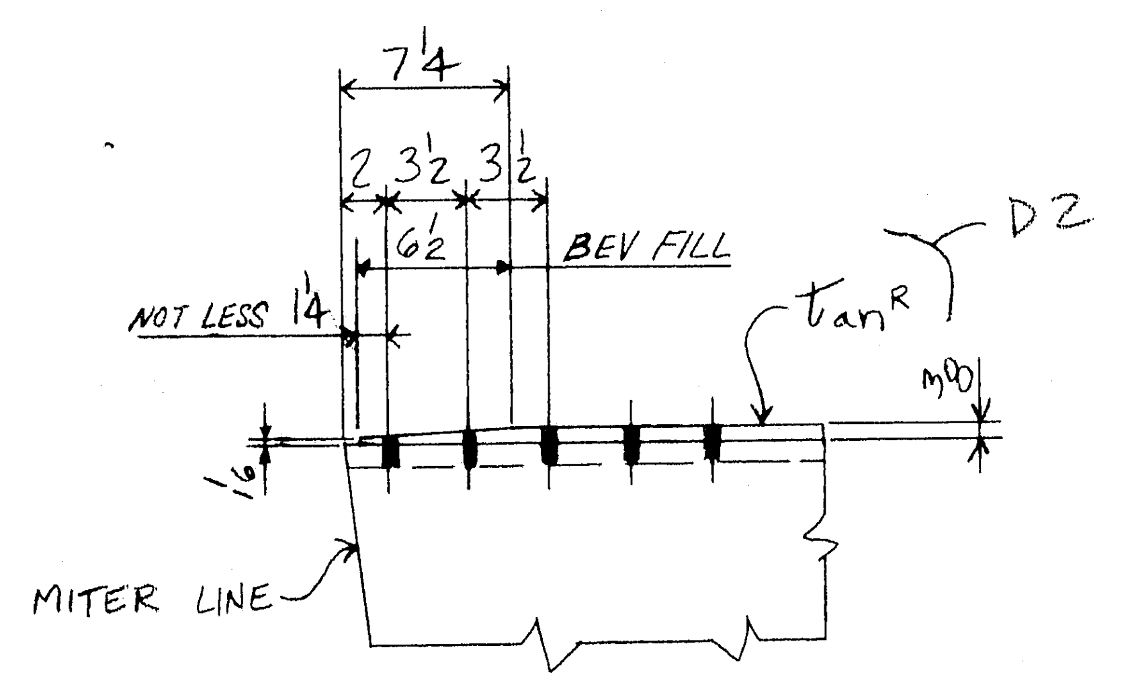




SEC. "C-C"



DETAIL "X"



SEC. "D-D"

ELECTRODES E11018M (UNLESS NOTED) LOW HYDROGEN — A1

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

NOTE: Bo[illegible] material adjacent t[illegible] holes must be free of [illegible], loose scale, and paint for a distance of 3" from the group of holes. EXCEPT FOR 22"×11" SLOTS

S4 — S3 C

1	1	2	CHORD 6'-0×5'-0×49'-0	260A^R	
H15	M15	NO.	DESCRIPTION	MARK	REMARKS
INST.		REQUIRED LIST			

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

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

E9 & E11 — S4

S3 — S4 — S4 — S4

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SHOP BILL SECTION SIZE	SIZE OR POUNDS	THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		2	- CHORDS: 2-260A^R							S3						
②	2	ta	2	PL	36		2	42	11½	M2E & T2W			43	1½		120	1
②	3	taa	2	PL	36		2	42	11½	M2E & T2W			43	1½		120	1
Ⓜ	4	tab	2	PL	25¼		1	42	11½	M2E & T2W			43	1½		106	4
Ⓜ	5	tac	2	PL	25¼		1	42	9½	M2E & T2W			43	1½		106	4
	6	tad	2	PL	72		1	9	3¾				9	6		172	1
	7	taf	2	PL	72		1	9	3¾				9	6		172	1
	8	tag	4	PL	26⅞		⅞	5	9¼				5	11		172	2
	9	tah	4	PL	25		½	2	11½	FILL			2	11½		172	3
	10	tak^R	2	∠	8	8	⅞	6	0¼	CUT 6×4×⅞ ∠			40	0		153	16
	11	tam	4	∠	4	4	½	2	6				40	0		152	4
	12	tan^R	2	PL	27½		⅜	2	3¾	BEVEL AS NOTED			2	10¾		173	6
	13	tap^R	2	PL	54¼		¾	5	6½	BENT			5	10		172	4
	14	tas	2	PL	25		¾	2	5	BENT			2	5		172	7
	15	tat^R	2	PL	25¼		⅝	6	0¼	BENT (11'-0 CUTS 2)			11	4		172	6
	16	b	4	BR	1		⅝	43	11½	BACKUP BAR			44	1½		142	4
	17	1aa*	16	∠	6	4	½	2	7½				2	8		143	9
	18	1a*	16	∠	6	3½	½	1	9¾				2	1		143	10
	19	c	4	BR	1		⅝	43	9½	Bk. Up BAR			44	1½		142	4
	20	taw	2	BR	6		1	1	2½								
	21																

D2 — A1 — A1

S3 — S4 — S4

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SIZE	SIZE OR POUNDS	THICK	FT.	IN.	REMARKS	WIDTH	THICK	FT.	IN.	STOCK	PAGE	LINE
	22																
	23																
	24																
	25																
	26																
	27		8	MB	1"⌀			0	2½	RHH & RHN (SB)							
	28		4	MB	1⌀			0	2¾	RHH & RHN (SB)						AM	27
	29	A1	6	MB	1⌀			0	5	RHH & RHN (SB)						AM	27
	30																
	31		80	325	1⌀			0	4							AM	26
	32		88	325	1⌀			0	3							AM	26
	33		8	325	1⌀			0	2¾							AM	21
	34		22	325	1⌀			0	3¼							AM	21
	35		42	325	1⌀			0	4½							AM	21
	36		20	325	1⌀			0	5							AM	21
	37		140	325	1⌀			0	5¾							AM	21
	38		400	HW	2	1⅟16	3/16										
	39																
	40																
	41	FW	2	WD			5/16	22	8								
	42	B30	2	WD			1"	171	6								
	43																
	44																
	45																

LINE										
46										
47										
48										
49										
50										
51										
52										
53										
54										
55										
56										
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58										
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66										
67										
68										
69										

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
Arnold Noovitz APR 1 1971

MATERIAL
{ PLS - A517, SHAPE - T1, PREFIX - t
{ ASTM-A36, NO PREFIX
RIVETS OR BOLTS — 1⌀
OPEN HOLES — 1⅟16⌀ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES — NO PAINT
MILLING — AS NOTED
WELDING — AS NOTED
PAINT — 1 SHOP CT. RED LEAD AASHO-M72, TYPE II U.N. SEE NOTE "X"

"LENGTH CORR. FOR TEMP."

TOP CHORD MEMBER U12-U13 & U12'-U13

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

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
S4	3/22	VLM
S3	3/8	4/26
D2	2/11	2 WB
A1	4/24	WB

REVISION

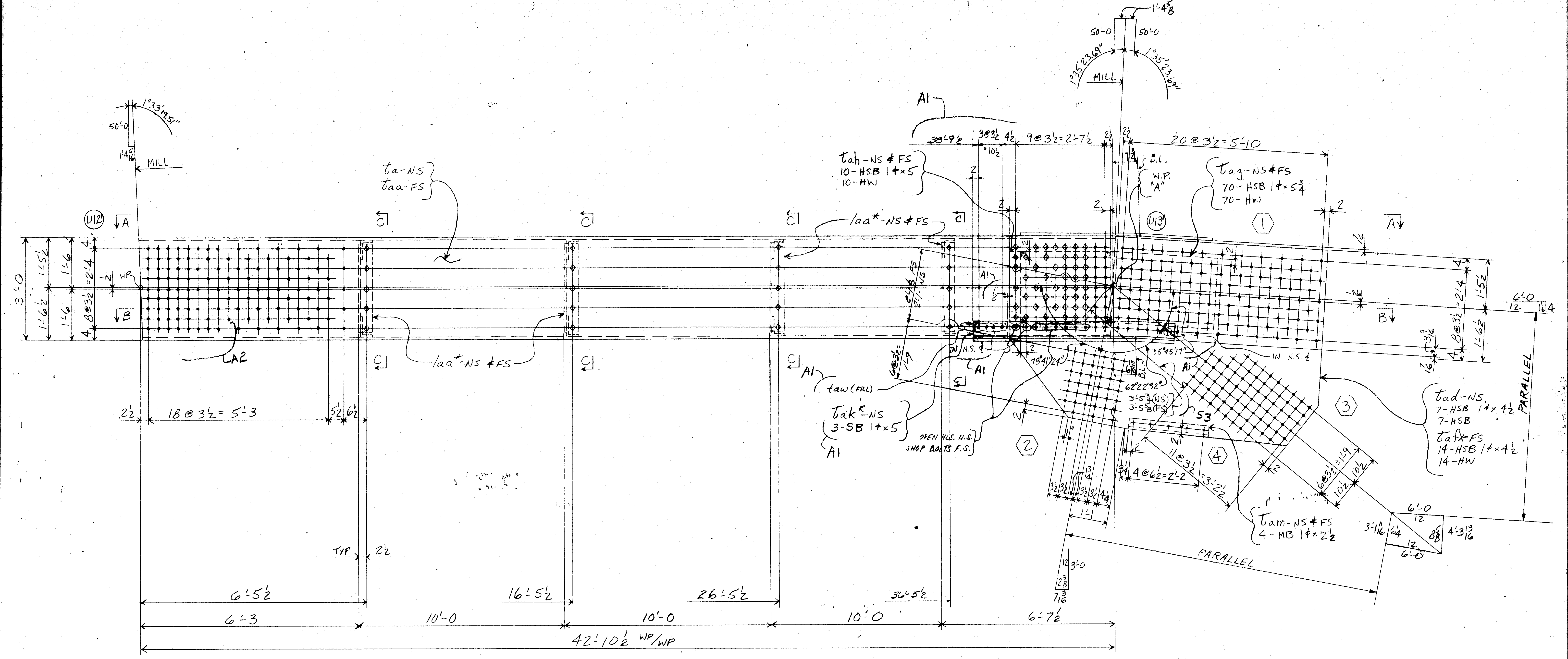
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 2-17-70 IN CHARGE LG
CHECKED BY B DATE 3-2-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 260CC

35042 (Rev.E 8-69)

121-88 NC TAPE



CHORD - 260AX^L (U12'-U13') OPP. HD TO SKETCH)

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Cenelil Noorfe APR 1 1971

"LENGTH CORR. FOR TEMP."

S3

TOP CHORD MEMBER U12'-U13'

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT
SEE SHT #260CC

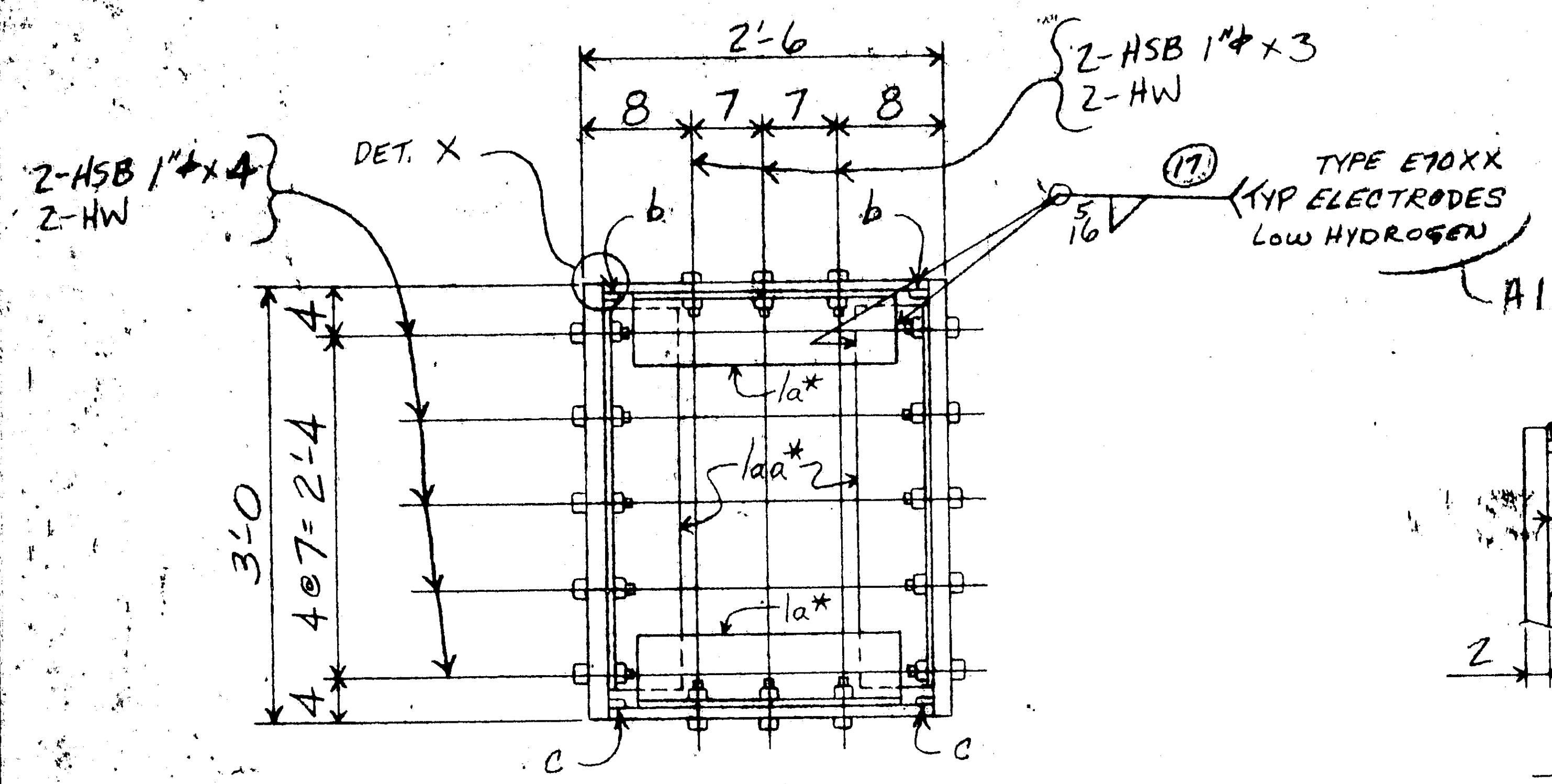
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 2-16-70 IN CHARGE LG
CHECKED BY D DATE 3-9-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 260ACX

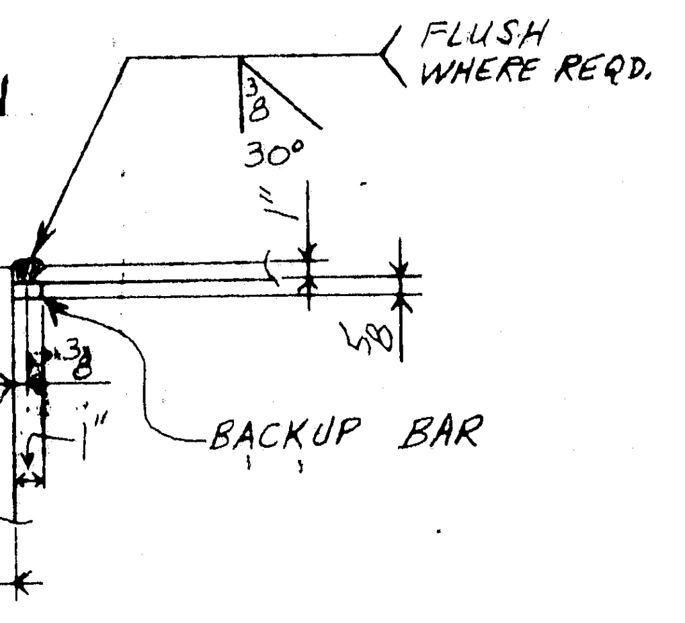
NO.	DATE	INIT.
S3	3/18/71	LM
2	6/11	ET
1	8/24	JB

For location of details shown on this sheet refer to diagrams.
E9 & E11

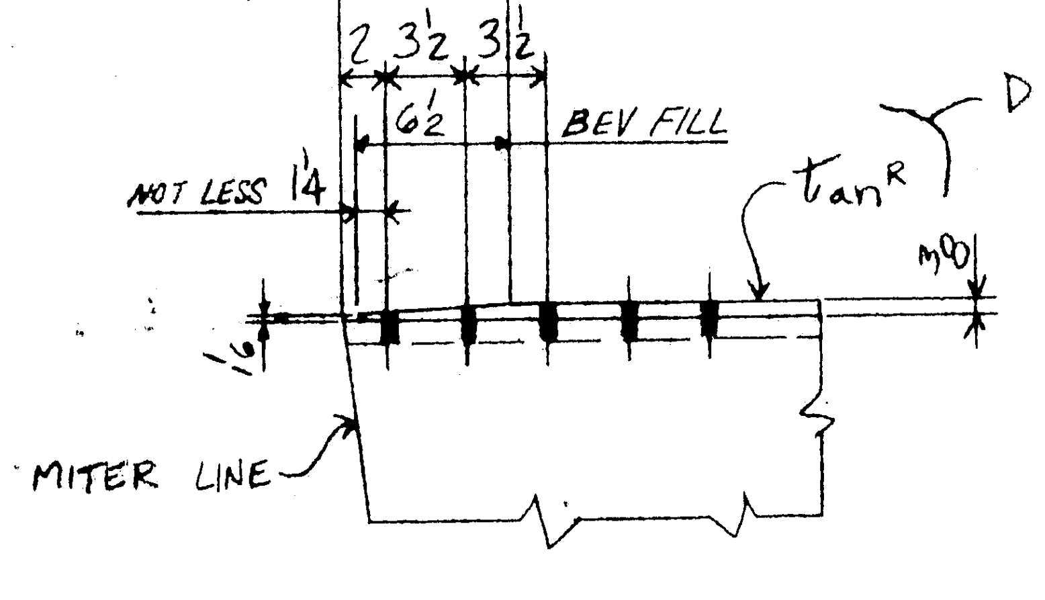
NC TAPE 121-89



SEC. "C-C"



DETAIL "X"



SEC. "D-D"

ELECTRODES E11018M (UNLESS NOTED) LOW HYDROGEN — A1

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

[illegible] material adjacent [illegible] holes must be free of [illegible] scale, and paint for a distance of 3" from the group of holes. EXCEPT FOR 22"x11" SLOTS

APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
by Arnold Novitzky MAR 18 1971

					NO.	DESCRIPTION	MARK	REMARKS
			1		1	CHORD 6'-0x5'-0x49'-0	260AX^L	
			M15					

INST. | REQUIRED LIST

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

E9 & E11

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		1	- CHORDS: 260AX^L													
②	2	ta	1	PL	36		2	42	11 1/2	M2E & T2W			43	1 1/2		120	1
[illegible]	3	taa	1	PL	36		2	42	11 1/2	M2E & T2W			43	1 1/2		120	1
[illegible]	4	tab	1	PL	25 1/4		1	42	11 1/2	M2E & T2W			43	1 1/2		106	4
Ⓜ	5	tac	1	PL	25 1/4		1	42	9 1/2	M2E & T2W			43	1 1/2		106	4
	6	tad	1	PL	72		1	9	3 3/4				9	6		172	1
	7	tafx	1	PL	72		1	9	3 3/4				9	6		172	1
	8	tag	2	PL	26 7/8		7/8	5	9 1/4				5	11		172	2
	9	tah	2	PL	25		1/2	2	11 1/2	FILL			2	11 1/2		172	3
	10	takL	1	∠	8	8	7/8	6	0 1/4	CUT 6x4x7/8 ∠			40	0		153	16
	11	tam	2	∠	4	4	1/2	2	6				40	0		152	4
	12	tanL	1	PL	27 1/2		3/8	2	3 3/4	BEVEL AS NOTED			2	10 3/4		173	6
	13	tapL	1	PL	54 1/4		3/4	5	6 1/2	BENT			5	10		172	4
	14	tas	1	PL	25		3/4	2	5	BENT			2	5		172	7
	15	tatL	1	PL	25 1/4		5/8	6	0 1/4	BENT (11-0 CUTS 2)			11	4		172	6
	16	b	2	BR	1		5/8	43	11 1/2	BACKUP BAR			44	1 1/2		142	4
	17	1aa*	8	∠	6	4	1/2	2	7 1/2				2	8		143	9
	18	1a*	8	∠	6	3 1/2	1/2	1	9 3/4				2	1		143	10
	19	c	2	BR	1		5/8	43	9 1/2	BK. UP BAR			44	1 1/2		142	4
	20	taw	1	BR	6		1	1	2 1/2								

D2

22											
23											
24											
25											
26											
27		4	MB	1"φ			0	2 1/2	RHH & RHN (SB)		
28		2	MB	1φ			0	2 3/4	RHH & RHN (SB)	AM	27
29	A1—(	3	MB	1φ			0	5	RHH & RHN (SB)	AM	27
30											
31		20	325	1φ			0	4		AM	26
32		44	325	1φ			0	3		AM	26
33		4	325	1φ			0	2 3/4		AM	21
34		11	325	1φ			0	3 1/4		AM	21
35		21	325	1φ			0	4 1/2		AM	21
36		10	325	1φ			0	5		AM	21
37		70	325	1φ			0	5 3/4		AM	21
38		200	HW	2	1 1/16	3/16					
39											
40											
41	FW	1	WD			5/16	22	8			
42	B30	1	WD			1"	171	6			
43											
44											
45											

"LENGTH CORR. FOR TEMP."

TOP CHORD MEMBER ℄ U12'-U13'

MATERIAL { RS - A517, SHAPE - T1, PREFIX - t; ASTM-A36, NO PREFIX }
RIVETS OR BOLTS — 1φ
OPEN HOLES — 1 1/16φ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES — NO PAINT
MILLING — AS NOTED
WELDING — AS NOTED
PAINT — 1 SHOP CT. RED LEAD AASHO-M72, TYPE II U.N. SEE NOTE "X"

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2	3/11	WB
A1	4/24	WB

REVISION

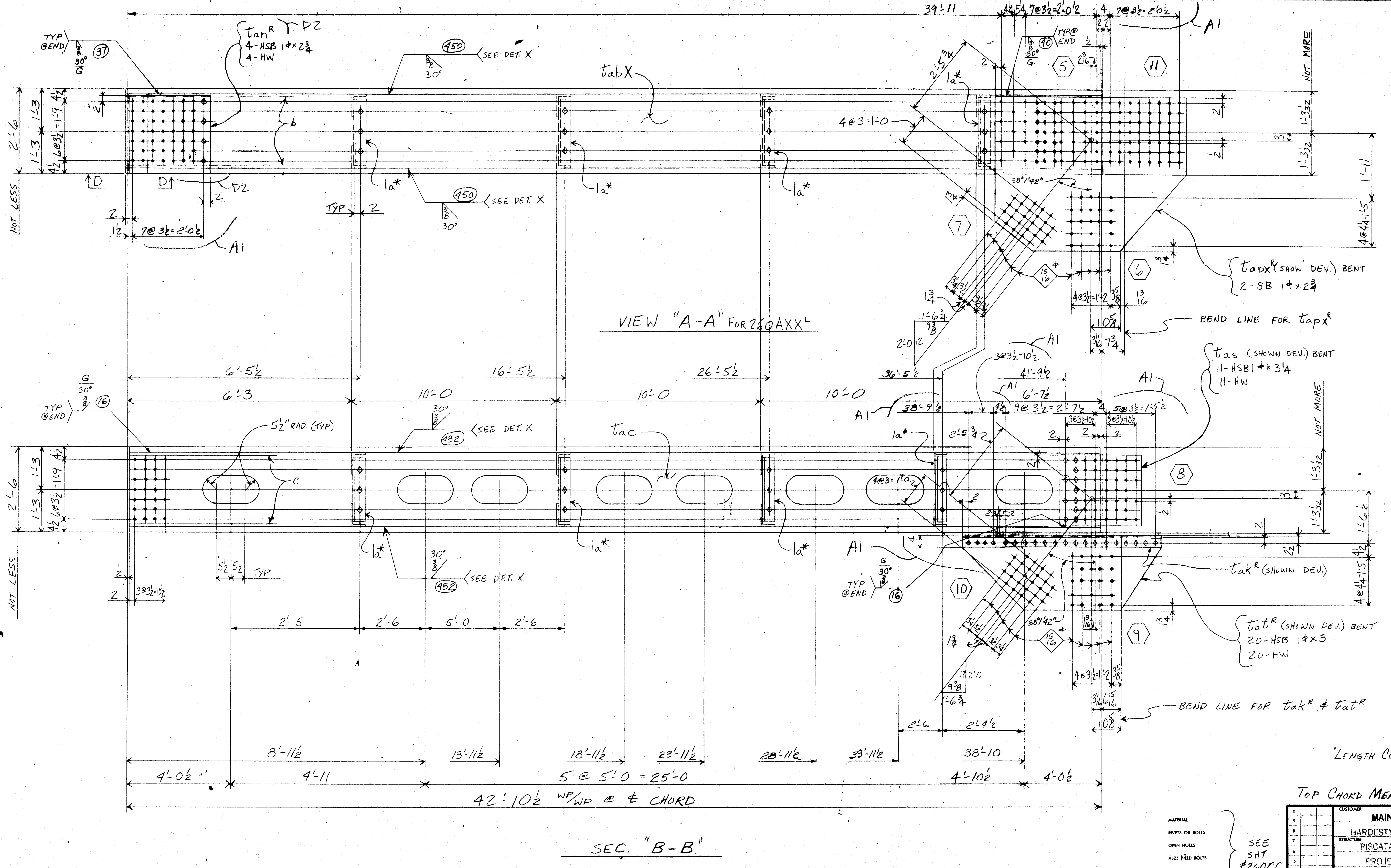
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 2-17-70 IN CHARGE LG
CHECKED BY [illegible] DATE 2-6-70 SHOP NO.
CONTRACT CG6290-081 DRAWING NO. 260CCX

121-90 NC TAPE



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HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY Arnold Nowigl APR 1 1971

"LENGTH CORR. FOR TEMP."

TOP CHORD MEMBER U12-U13

MATERIAL	SEE SHT #260CC	
RIVETS OR BOLTS		
OPEN HOLES		
A325 FIELD BOLTS		
SHOP CONTACT SURFACES		
PAINT		

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	2/11	WB
A1	4/24	WB

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

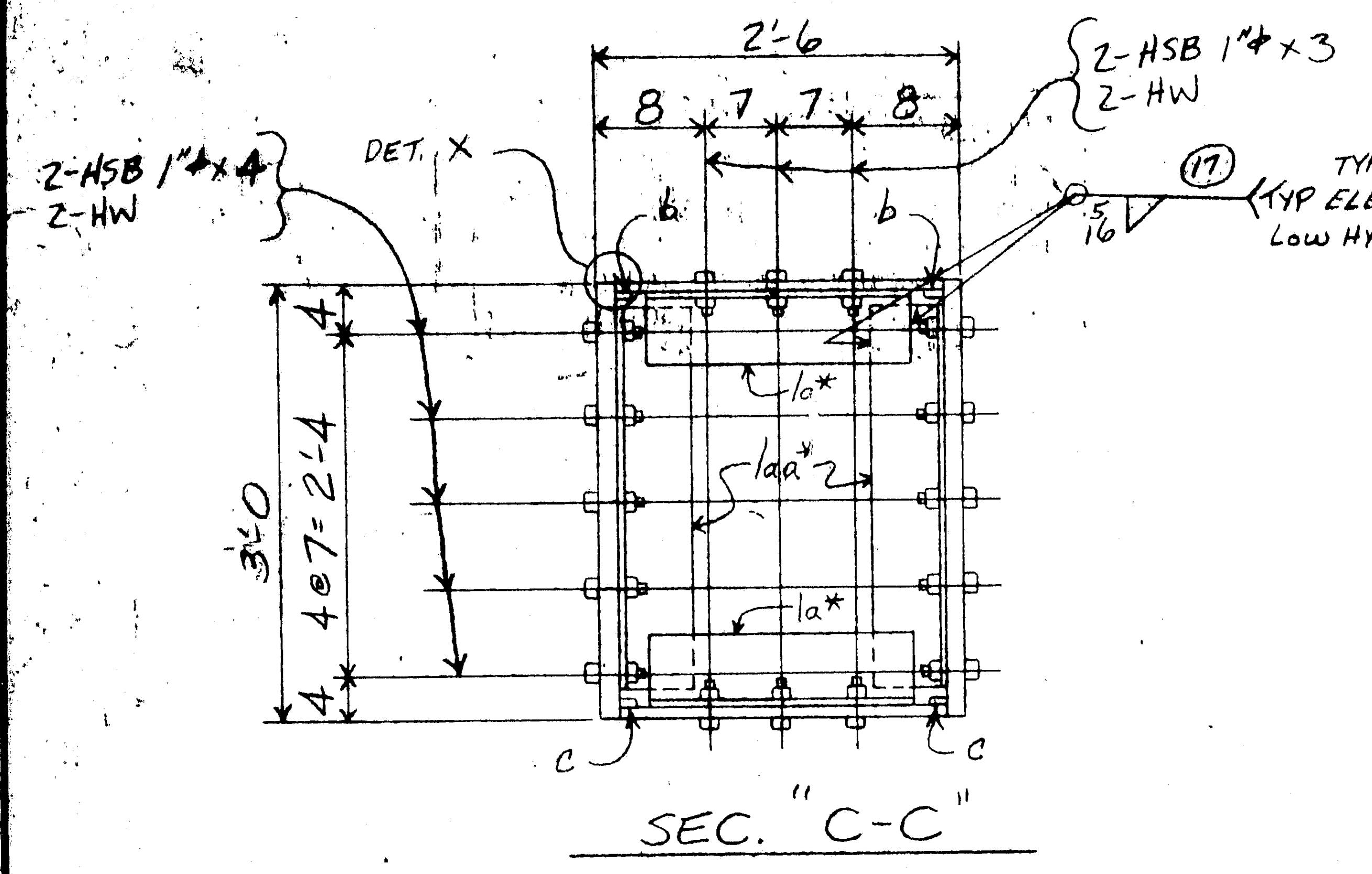
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 2-17-70 IN CHARGE L.G.
CHECKED BY D DATE 3-2-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 260BCX

For location of details shown on this sheet refer to diagrams.
E9 & E11

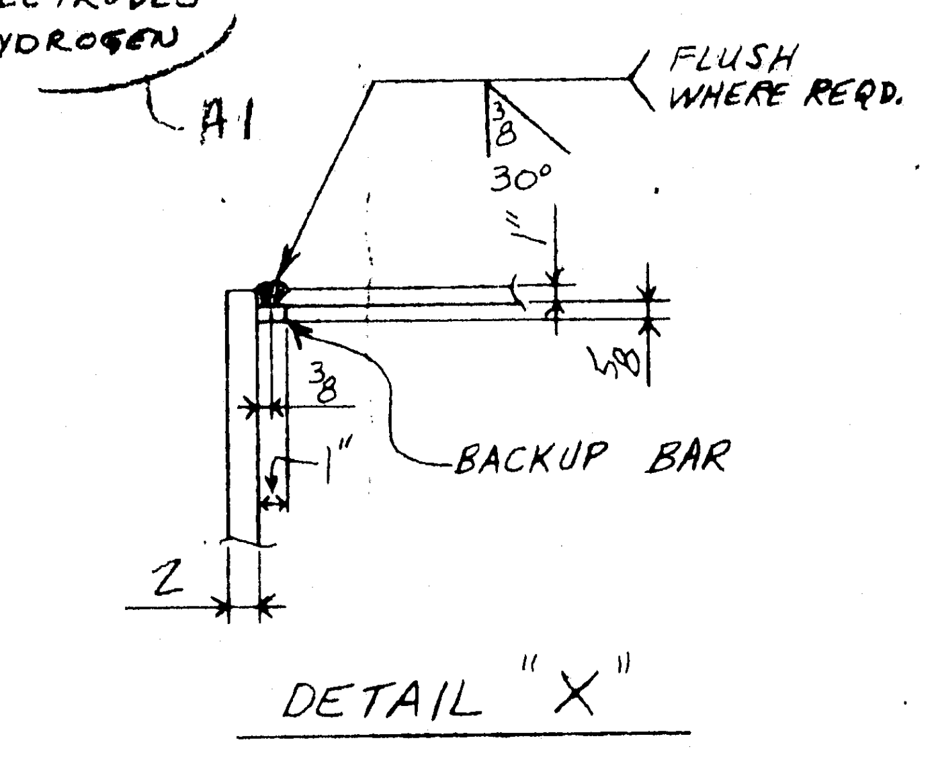
.	a	b	c
a			
b			
c			
d			
f			
g			
h			
k			
m			
n			
p			
s			
t			
w			
y			

121-91 NC TAPE

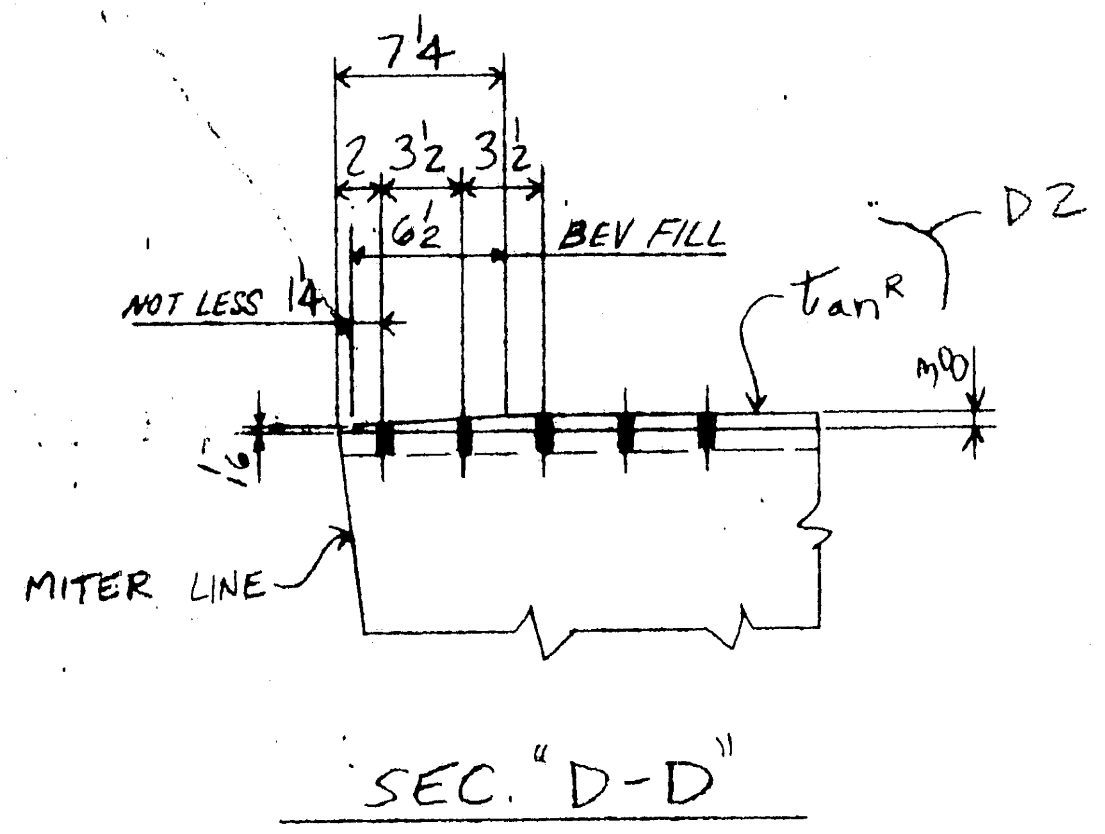
0 1 2 3 4 5 6



SEC. "C-C"



DETAIL "X"



SEC. "D-D"

ELECTRODES E11018M (UNLESS NOTED) LOW HYDROGEN — A1

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

NOTE: [illegible] of material adjacent to [illegible] holes must be free of [illegible], loose scale, and paint for a distance of 3" from the group of holes. EXCEPT FOR 22"×11" SLOTS

APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
Andre Noovitz APR 1 1971

			NO.	DESCRIPTION	MARK	REMARKS
S3	1		1	CHORD 6'-0×5'-0×49'-0	260AXXᴸ	
	H15	M15				

INST. — REQUIRED LIST

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

E9 & E11

LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
1		1	- CHORD : 260A XXᴸ													
2	ta	1	PL	36		2	42	11½	M2E & T2W			43	1½		120	1
3	taa	1	PL	36		2	42	11½	M2E & T2W			43	1½		120	1
4	tabx	1	PL	25¼		1	42	11½	M2E & T2W			43	1½		106	4
5	tac	1	PL	25¼		1	42	9½	M2E & T2W			43	1½		106	4
6	tad	1	PL	72		1	9	3¾				9	6		172	1
7	taf	1	PL	72		1	9	3¾				9	6		172	1
8	tag	2	PL	26⅞		⅞	5	9¼				5	11		172	2
9	tah	2	PL	25		½	2	11½	FILL			2	11½		172	3
10	takᴸ	1	L	8	8	⅞	6	0¼	CUT 6×4×⅞ L			40	0		153	16
11	tam	2	L	4	4	½	2	6				40	0		152	4
12	tanᴸ	1	PL	27½		⅜	2	3¾	BEVEL AS NOTED			2	10¾		173	6
13	tapxᴸ	1	PL	54¼		¾	5	6½	BENT			5	10		172	4
14	taq	1	PL	25		¾	2	5	BENT			2	5		172	7
15	tatᴸ	1	PL	25¼		⅝	6	0¼	BENT (11-0 CUTS 2)			11	4		172	6
16	b	2	BR	1		⅝	43	11½	BACKUP BAR			44	1½		142	4
17	ba*	8	L	6	4	½	2	7½				2	8		143	9
18	la*	8	L	6	3½	½	1	9¾				2	1		143	10
19	c	2	BR	1		⅝	43	9½	Bk. Up BAR			44	1½		142	4
20	taw	1	BR	6		1	1	2½								

D2

A1

S3

LINE		NO.									
27		4	MB	1"ϕ			0	2½	RHH & RHN (SB)		
28		2	MB	1ϕ			0	2¾	RHH & RHN (SB)	AM	27
29	A1	3	MB	1ϕ			0	5	RHH & RHN (SB)	AM	27
31		40	325	1ϕ			0	4		AM	26
32		44	325	1ϕ			0	3		AM	26
33		4	325	1ϕ			0	2¾		AM	21
34		11	325	1ϕ			0	3¼		AM	21
35		21	325	1ϕ			0	4½		AM	21
36		10	325	1ϕ			0	5		AM	21
37		70	325	1ϕ			0	5¾		AM	21
38		200	HW	2	1 1/16	3/16					
41	FW	1	WD			5/16	22	8			
42	B30	1	WD			1"	171	6			

"LENGTH CORR. FOR TEMP."

TOP CHORD MEMBER U12'-U13'

MATERIAL
- RS - A517, SHAPE - T1, PREFIX - t
- ASTM - A36, NO PREFIX

RIVETS OR BOLTS — 1ϕ
OPEN HOLES — 1 1/16ϕ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES — NO PAINT
MILLING — AS NOTED
WELDING — AS NOTED
PAINT — 1 SHOP CT. RED LEAD AASHO-M72, TYPE II U.N. SEE NOTE "X"

NO.	DATE	INIT.
S3	1/8	[illegible]
D2	3/1	[illegible]
A1	4/2	WB

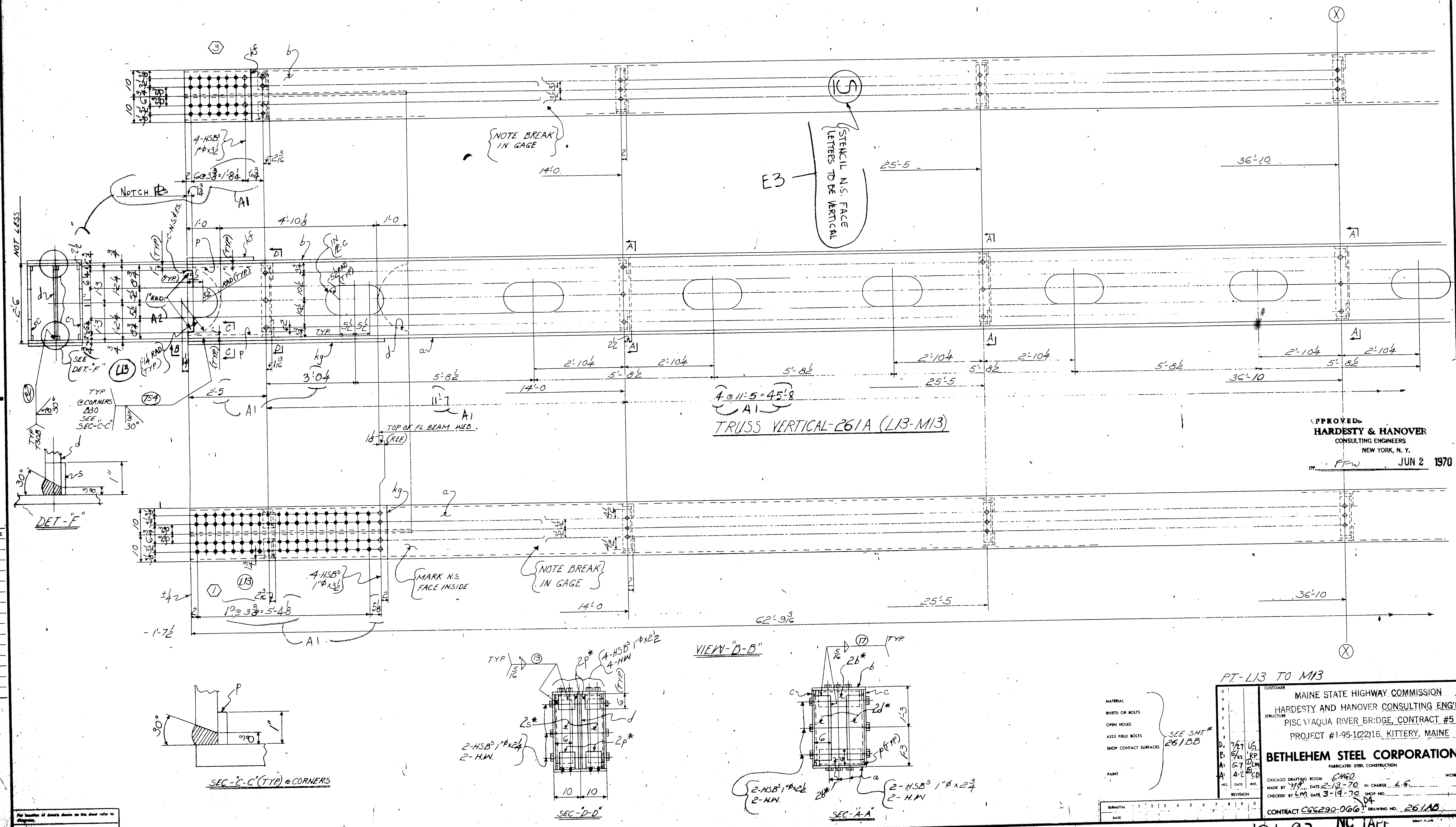
REVISION

CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-96-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM — CHICAGO WORKS
MADE BY WB DATE 2-17-70 IN CHARGE LE
CHECKED BY [illegible] DATE 3-6-70 SHOP NO.
CONTRACT CG6290 DRAWING NO. 260CCY

121-82

NC TAPE



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NEW YORK, N. Y.
BY FFW JUN 2 1970

PT-L13 TO M13

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT
SEE SHT# 261BB

NO.	DATE	INIT.
D4	7/27	LG
E3	5/22	RP
A2	5-7	LM
A1	4-2	CD

REVISION

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

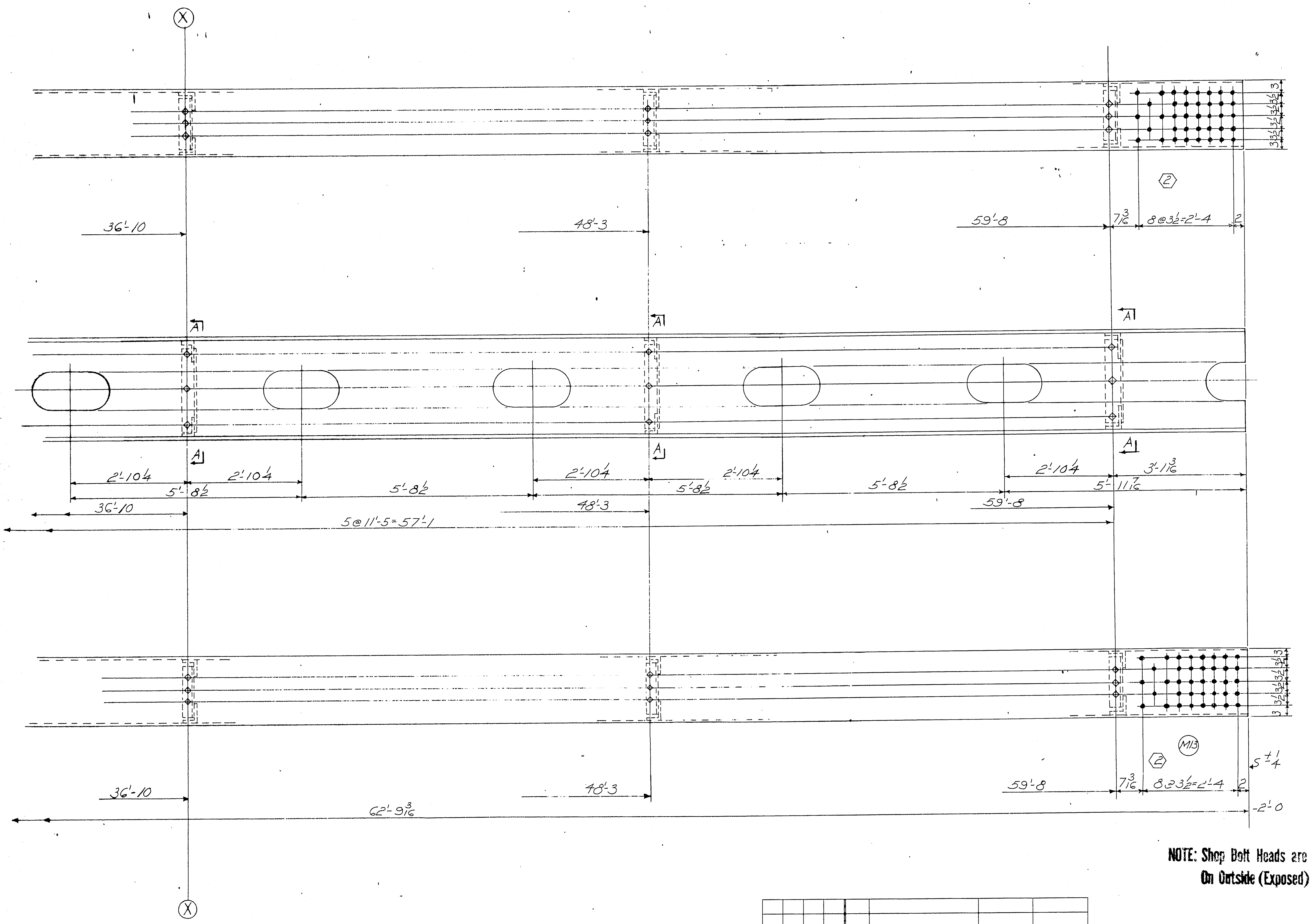
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO. WORKS
MADE BY MB DATE 2-13-70 IN CHARGE L.G.
CHECKED BY LM DATE 3-19-70 SHOP NO.
CONTRACT CG6290-066 D4 DRAWING NO. 261AB

121-93 NC TAPE

For location of details shown on this sheet refer to diagram.
E9 & E11



	ASSEMB MARK	NO.	SHAPE	SIZE	SIZE OR POUNDS	THICK	LENGTH FT	LENGTH IN	REMARKS	ITEM
		4-VERTICALS-261A								
②	a	4	PL	20		3/4	62	9 3/16	T2W	198 05
②	b	4	PL	20		3/4	62	9 3/16	T2W	198 05
Ⓜ	c	8	PL	27 3/4		1/2	62	9 3/16	T2W	198 06
	d	4	PL	27 3/4		3/4	6	10 1/8	T2W	156 07
	k f	4	PL	20		1 1/4	2	(0 1/4)	FILL A1	177 02
	k g	4	PL	20		1 1/4	6	1 1/4	FILL	177 01
	p	16	BR	1		5/8	63	9 3/16	BACKUP BAR	202 03
	s	8	BR	1		5/8	7	10 1/8	BACKUP BAR	156 08
	2s*	8	L	6	3½	3/8	2	1		203 12
	2b*	40	L	6	3½	1/2	1	4		203 09
	2p*	16	L	6	4	3/8	0	7		203 11
	2d*	40	L	6	4	1/2	2	0½		203 10
		24	325	1"φ			0	2¼		AM26
		32	325	1"φ			0	3½		AM26
		136	325	1"φ			0	2½		AM26
		120	325	1"φ			0	2¾		AM26
		312	HW	2 O.D	1 1/16 I.D.	3/16				AM26
	T30B	4	WD			3/4	13	9		
	FW	4	WD			5/16	34	8		
	B30	4	WD			1/2	251	4		

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BY FFW

ELECTRODES - E70XX LOW HYDROGEN

NOTE: Length Corrected for Temperature

MAT'L PREFIXED WITH THE LETTER "k" TO BE A588 STEEL ALL OTHER TO BE A.S.T.M.-A36

MATERIAL
[redacted] BOLTS 1" φ
OPEN HOLES - 1 1/16 φ
A325 FIELD BOLTS ——
SHOP CONTACT SURFACES N.P.
WELDING - AS NOTED
PAINT - 1-CT. RED LEAD AASHO-M72 TYPE II (SEE NOTE "X")

PT-L13 TO M13

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 22×11 PERFORATIONS

				NO.	DESCRIPTION	MARK	REMARKS
2		2		4	VERT 1'-8×2'-9×62'-10	261A	
M15		H15		NO.	DESCRIPTION	MARK	REMARKS
INST.				REQUIRED LIST			

For location of details shown on this sheet refer to diagram.
E9 & E11

NO.	DATE	INIT.
D2	7/27	LG
A1	4-2	CD
REVISION		

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

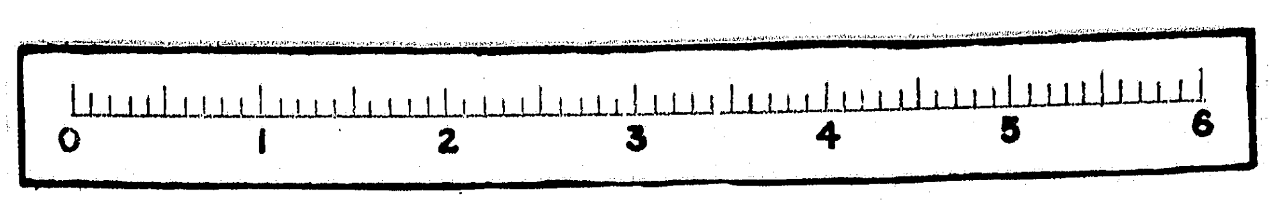
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

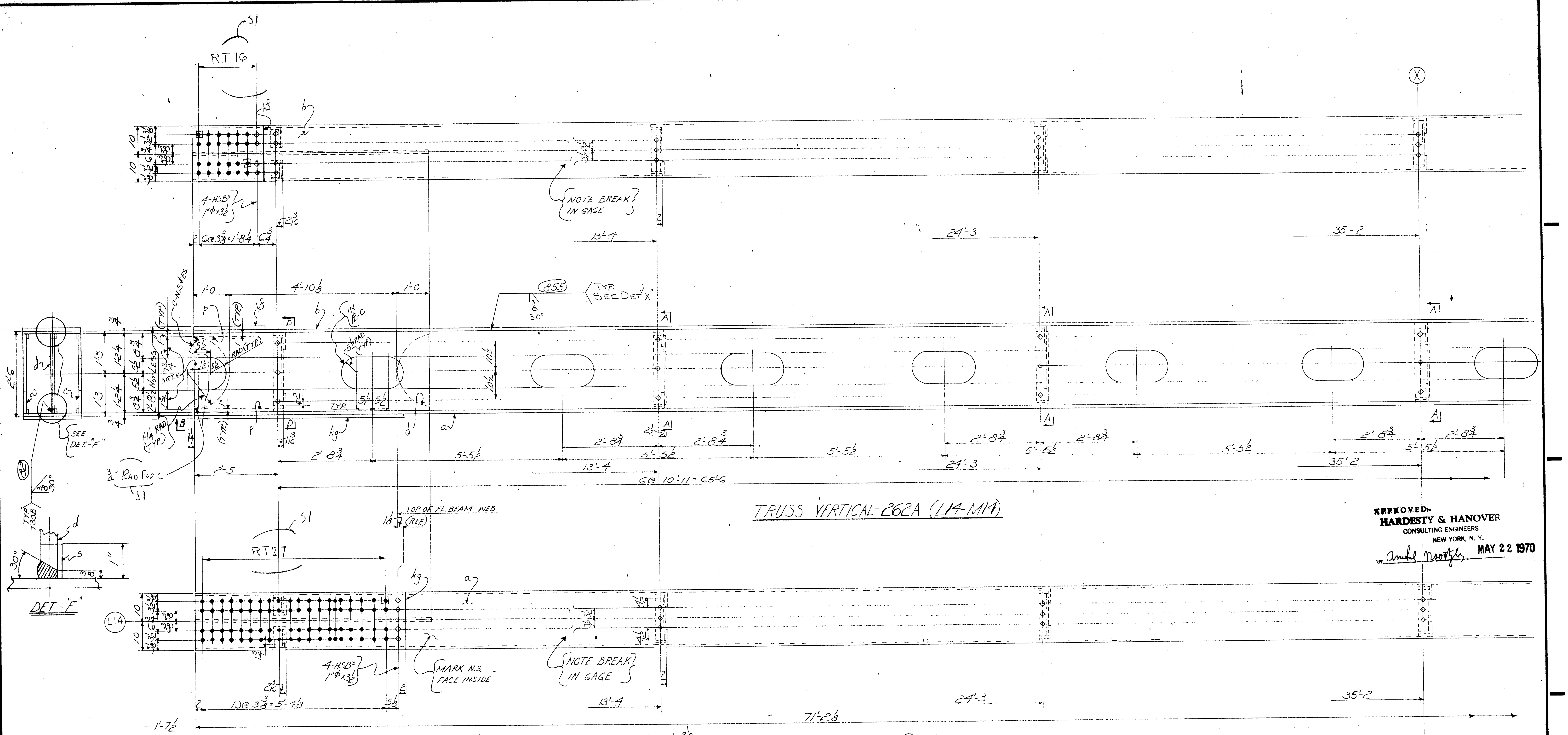
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO WORKS
MADE BY MP DATE 2-16-70 IN CHARGE LG
CHECKED BY LM DATE 3-19-70 SHOP NO.
CONTRACT CGC290-066 D2 DRAWING NO. 261BB

35453 (Rev.D 8-69)

121-94 NC TAP





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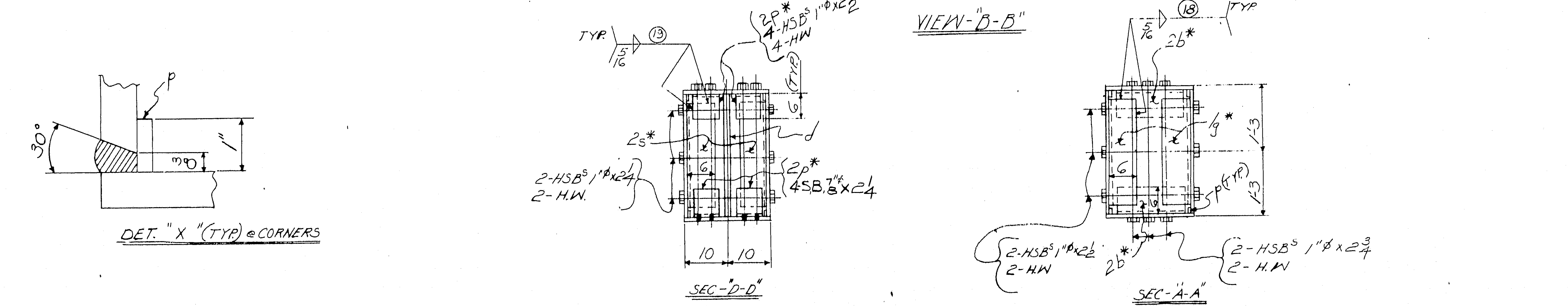
NEW YORK, N. Y.
BY Anatol Nootzly MAY 22 1970

	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.

E9 & E11

PT-L14 TO M14

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

SEE SHT # 262CC

NO	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	7/27	LG
S1	5-11	CD

REVISION

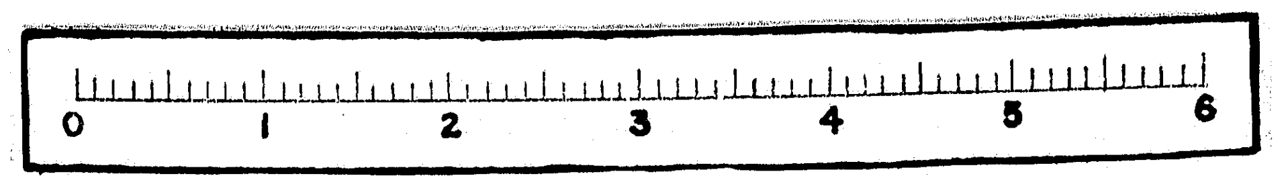
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

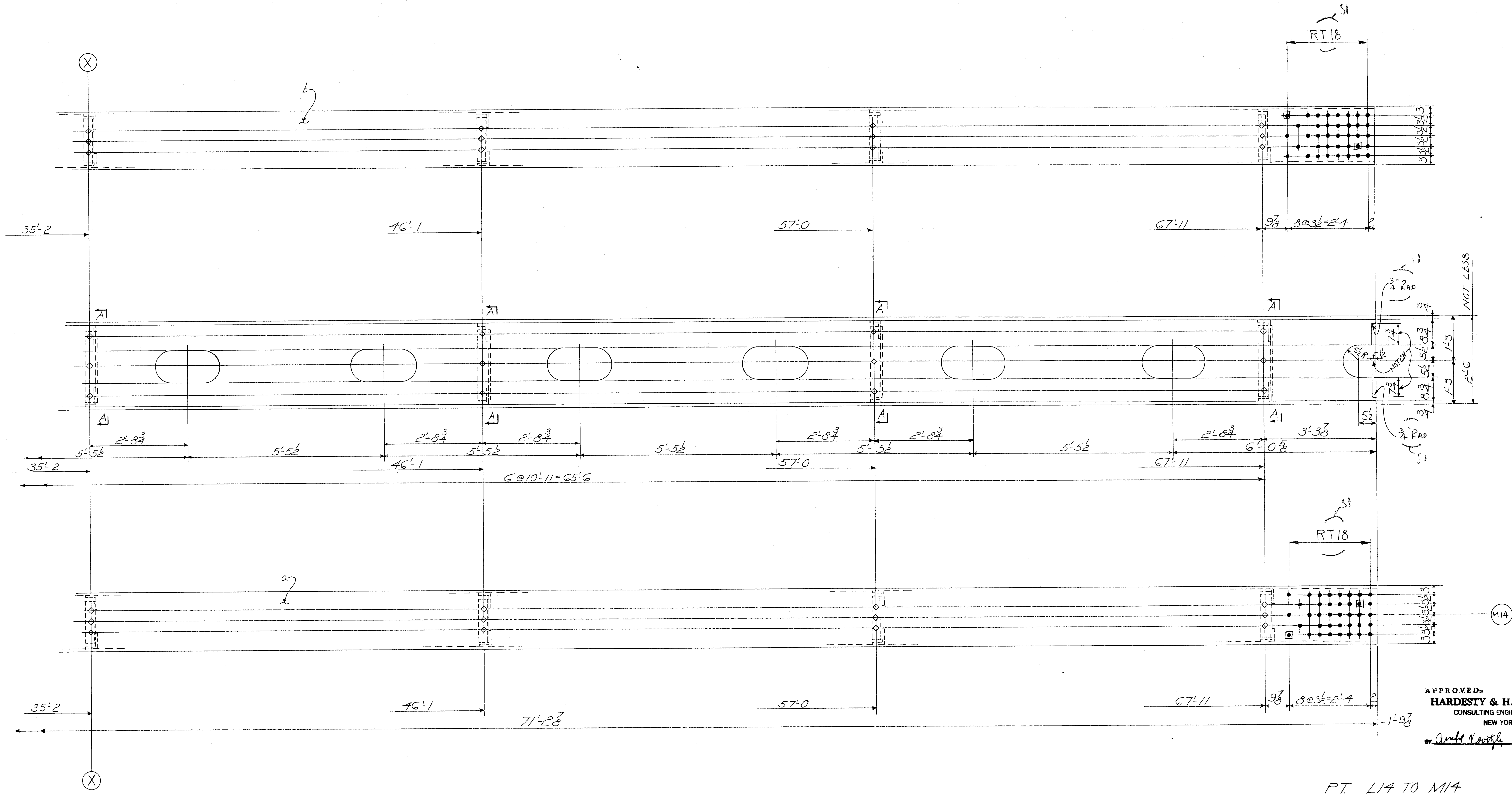
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'F
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16. KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO WORKS
MADE BY MB DATE 2-17-70 IN CHARGE L.G.
CHECKED BY RP DATE 4-14-70 SHOP NO.
CONTRACT CG6290-066 DRAWING NO. 262AC

121-95 D2





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NEW YORK, N. Y.
BY Arnold Novotzky MAY 22 1970

	a	b	c
a			
b			
c			
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For location of details shown on this sheet refer to diagrams.
E3 & E11

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

SEE SHT# 262CC

PT. L14 TO M14

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	7/27	LG
S1	5-4	CD

REVISION

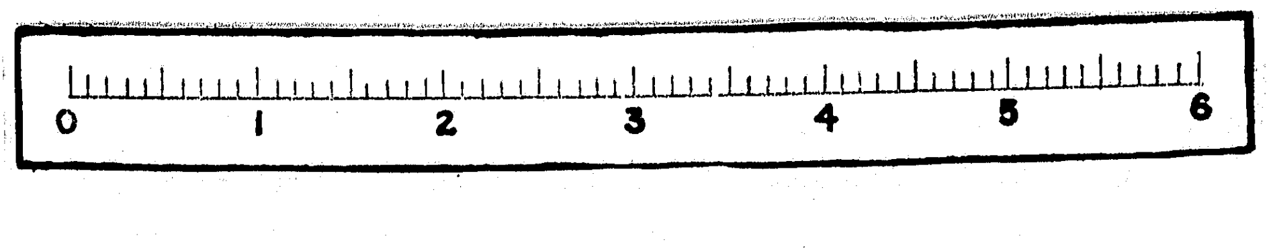
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 2-17-70 IN CHARGE L.G.
CHECKED BY RP DATE 4-14-70 SHOP NO.
CONTRACT CG 6290-066 DRAWING NO. 262BC

121-96 / D2



PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		4 - VERTICALS - 262A														
②	2	a	4	PL	20		3/4	71	2 7/8	T2W						204	01
②	3	b	4	PL	20		3/4	71	2 7/8	T2W						204	01
Ⓜ	4	c	8	PL	27 3/4		1/2	71	2 7/8	T2W						204	02
	5	d	4	PL	27 3/4		3/4	6	10 1/8	T2W						156	07
	6	k f	4	PL	20		1 1/4	2	0 1/4	FILL						216	01
	7	k g	4	PL	20		1 1/4	6	1 1/4	FILL						216	02
	8	2s*	8	L	6	3 1/2	3/8	2	1							206	04
	9	2b*	48	L	6	3 1/2	1/2	1	4							206	01
	10	2p*	16	L	6	4	3/8	0	7							206	03
	11	p	16	BR	1		5/8	72	2 7/8	BACKUP BAR						205	01
	12	s	8	BR	1		5/8	7	10 1/8	BACKUP BAR						156	08
	13																
	14	1g*	48	L	6	4	1/2	2	1							206	02
	15																
	16																
	17																
	18		24	325	1"ϕ			0	2 1/4							AM30	
	19		32	325	1"ϕ			0	3 1/2							AM30	
	20		160	325	1"ϕ			0	2 1/2							AM30	
	21		144	325	1"ϕ			0	2 3/4							AM30	
	22		360	HW	2	1 1/16	3/16									AM30	
	23		8	MB	7/8ϕ			0	2 1/4	RHH RHN } S.B.						AM31	
	24																
	25																
	26	T30B	4	WD			3/4	13	9								
	27	FW	4	WD			5/16	42	4								
	28	B30	4	WD			1/2	285	0								
	29																
	30																
	31																
	32																
	33																
	34																
	35																
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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Arnold Novotzky APR 27 1970

ELECTRODES - E70XX
LOW HYDROGEN

	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.
E9 & E11

INST.				REQUIRED LIST			
M17		H17		NO.	DESCRIPTION	MARK	REMARKS
2		2		4	VERT 1'-8×2'-9×71'-3	262A	

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

LENGTH CORRECTED FOR TEMP.

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 22×11 PERFORATIONS

MAT'L PREFIXED WITH THE LETTER "k" TO BE A588 STEEL, ALL OTHER TO BE A.S.T.M. - A36
MATERIAL
~~RIVETS OR~~ BOLTS 1"ϕ
OPEN HOLES — 1 1/16"ϕ
A325 FIELD BOLTS ——
SHOP CONTACT SURFACES N.P.
WELDING-AS NOTED
PAINT — 1-CT. RED LEAD AASHO-M72 TYPE II (SEE NOTE "X")

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

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
D1	7/27	LG

REVISION

PT. - L14 TO M14

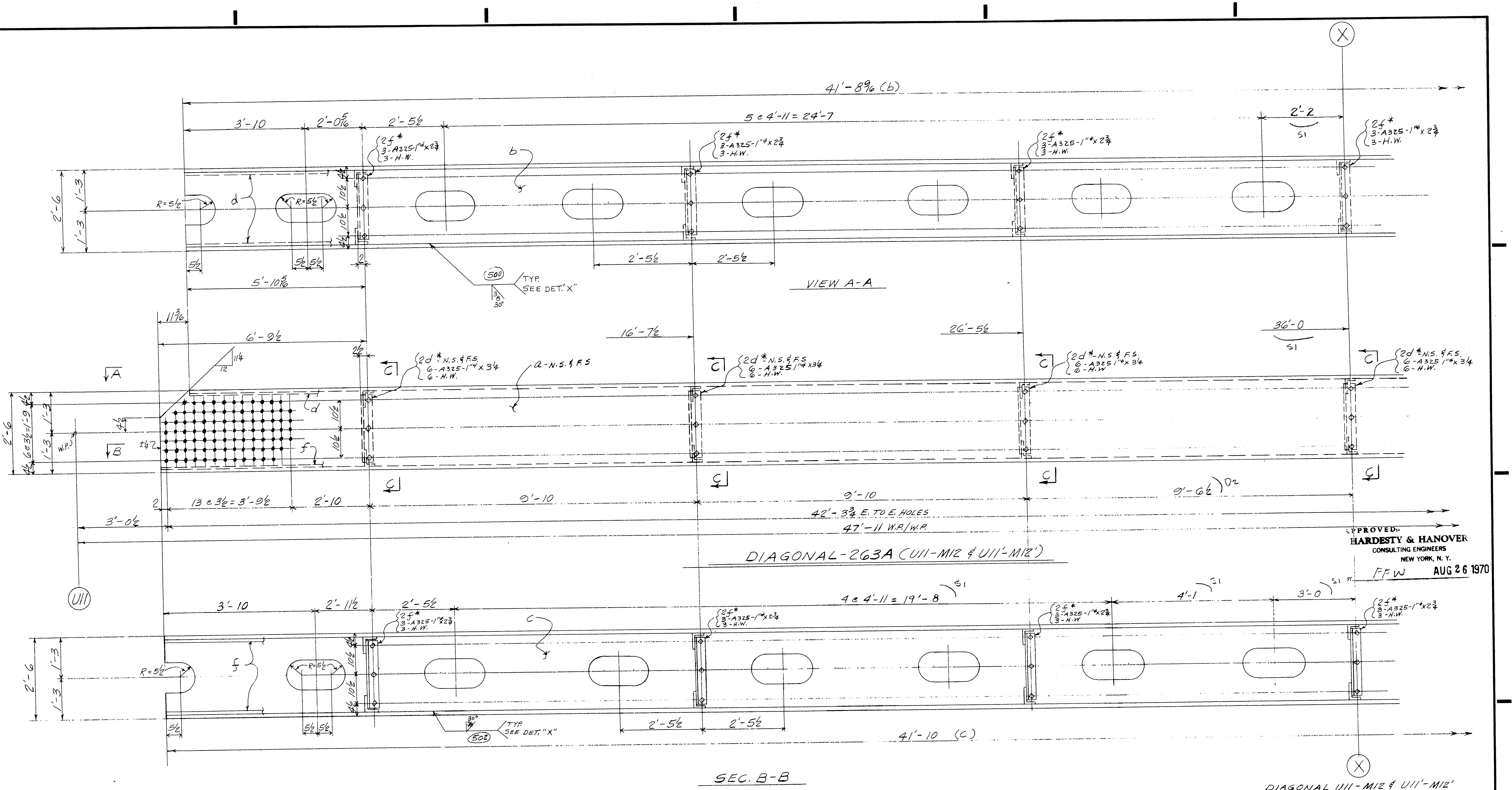
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO WORKS
MADE BY NP DATE 2-18-70 IN CHARGE L.G.
CHECKED BY RP DATE 4-14-70 SHOP NO.
CONTRACT CG6290-066 DRAWING NO. 262CC

121-97 D1

35453 (Rev.D 8-69)



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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW AUG 26 1970

	a	b	c
a			
b			
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d			
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m			
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s			
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w			
y			

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

E9-E11

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

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	8/12	LG
S1	8/11	LG

REVISION

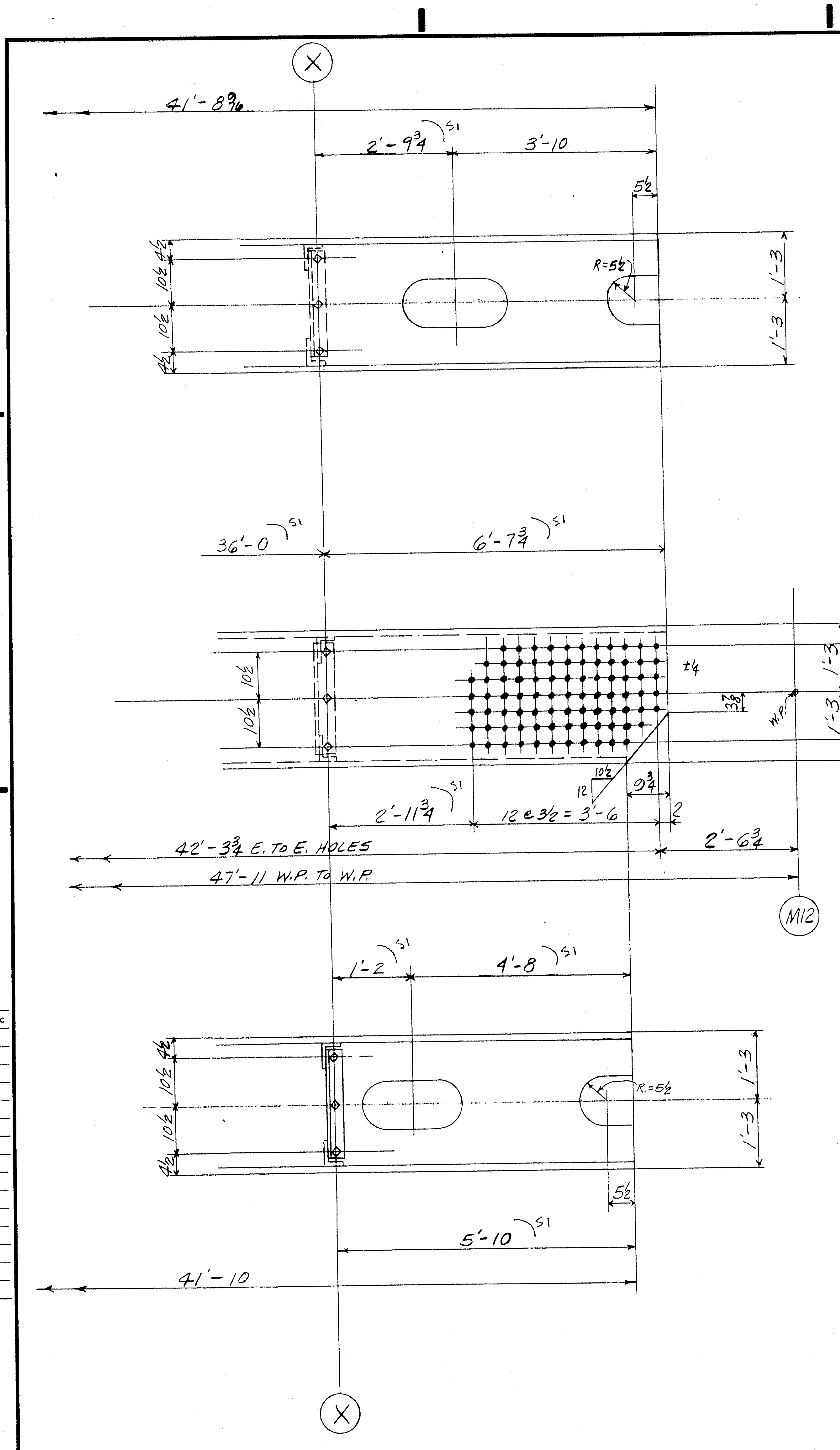
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

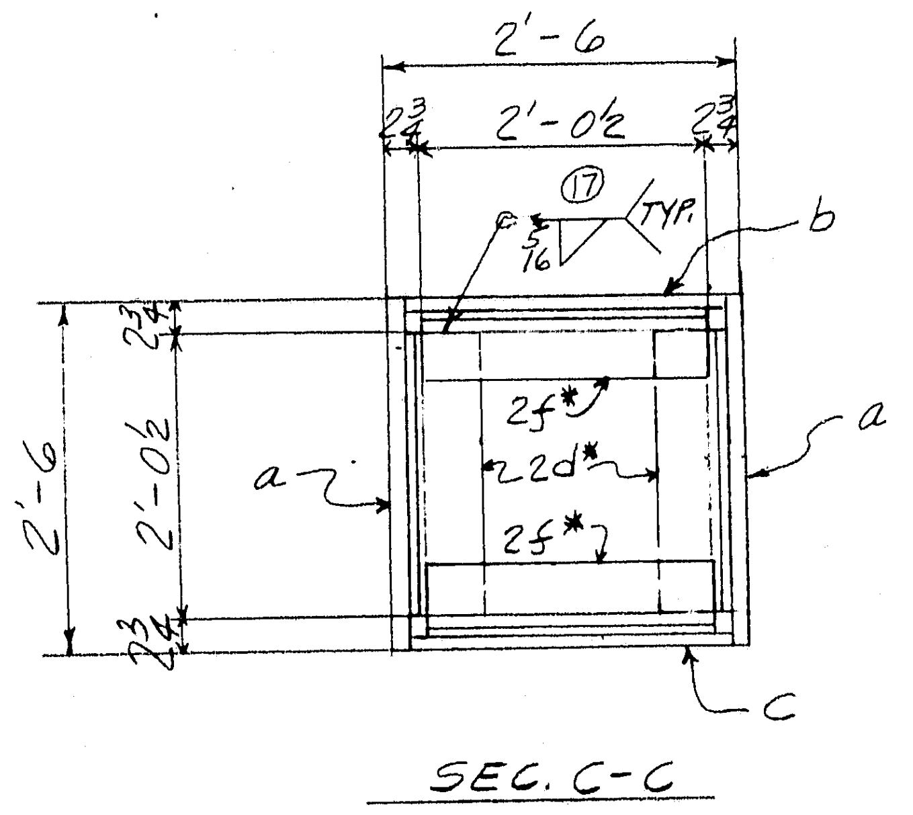
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

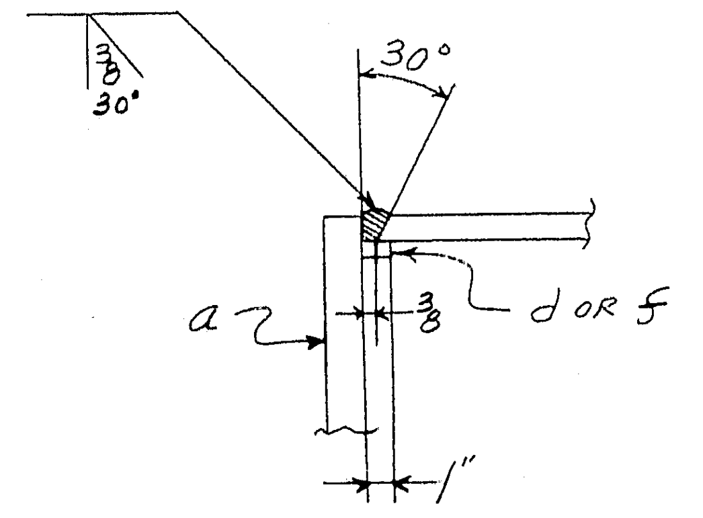
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY J.A.L. DATE 2-20-70 IN CHARGE L.G.
CHECKED BY B DATE 3-6-70 SHOP NO.
CONTRACT CG6290-062 DRAWING NO. 263AB

121-98 NC TAPE





SEC. C-C



DETAIL "X" (TYP)

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1	3-DIAGONALS-263A															
2	2	a	6	PL	30		1 1/4	42	7 3/4				43	1		185	3
M	3	b	3	PL	26 3/4		3/4	41	8 9/16	T2W			43	1		185	4
M	4	c	3	PL	26 3/4		3/4	41	10	T2W			43	1		185	4
	5	d	6	BR	1		5/8	42	8 9/16	BACK UP BARS			44	1		186	2
	6	f	6	BR	1		5/8	42	10	BACK UP BARS			44	1		186	2
	7	2d*	24	L	6	4	1/2	2	0 1/2				2	3		187	3
	8	2f*	24	L	6	3 1/2	1/2	2	0 1/2				2	2		187	4
	9																
	10																
	11	FW	3	WD			5/16	22	8								
	12	B30	3	WD			3/4	167	0								
	13																
	14																
	15		72	325	1"φ			0	3 1/4							AM26	
	16		72	325	1"φ			0	2 3/4							AM26	
	17		144	H.W.	2"φ	1 1/16"φ	3/16										
	18																
	19																
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	62																

S2

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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW DEC 30 1970

ELECTRODES - E70XX
LOW HYDROGEN

LENGTH CORR. FOR TEMP.

DIAGONAL (U11-M12 & U11'-M12')

INSTALLMENT		REQUIRED LIST			
H14	M14	QTY.	MARK	DESCRIPTION	REMARKS
2	1	3	263A	DIAGONAL	2'-6×2'-6×42'-7 3/4

S2 S2

	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.
E3 & E11

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes., EXCEPT 11"×22" HOLES

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

MATERIAL A.S.T.M.-A36
BOLTS 1"φ
OPEN HOLES 1 1/16"φ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING - AS NOTED
PAINT 1-CT. RED LEAD AASHO-M72, TYPE II U.N. SEE NOTE "X"

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
S2	12/20	31 WB
S1	8/11	LG
REVISION		

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

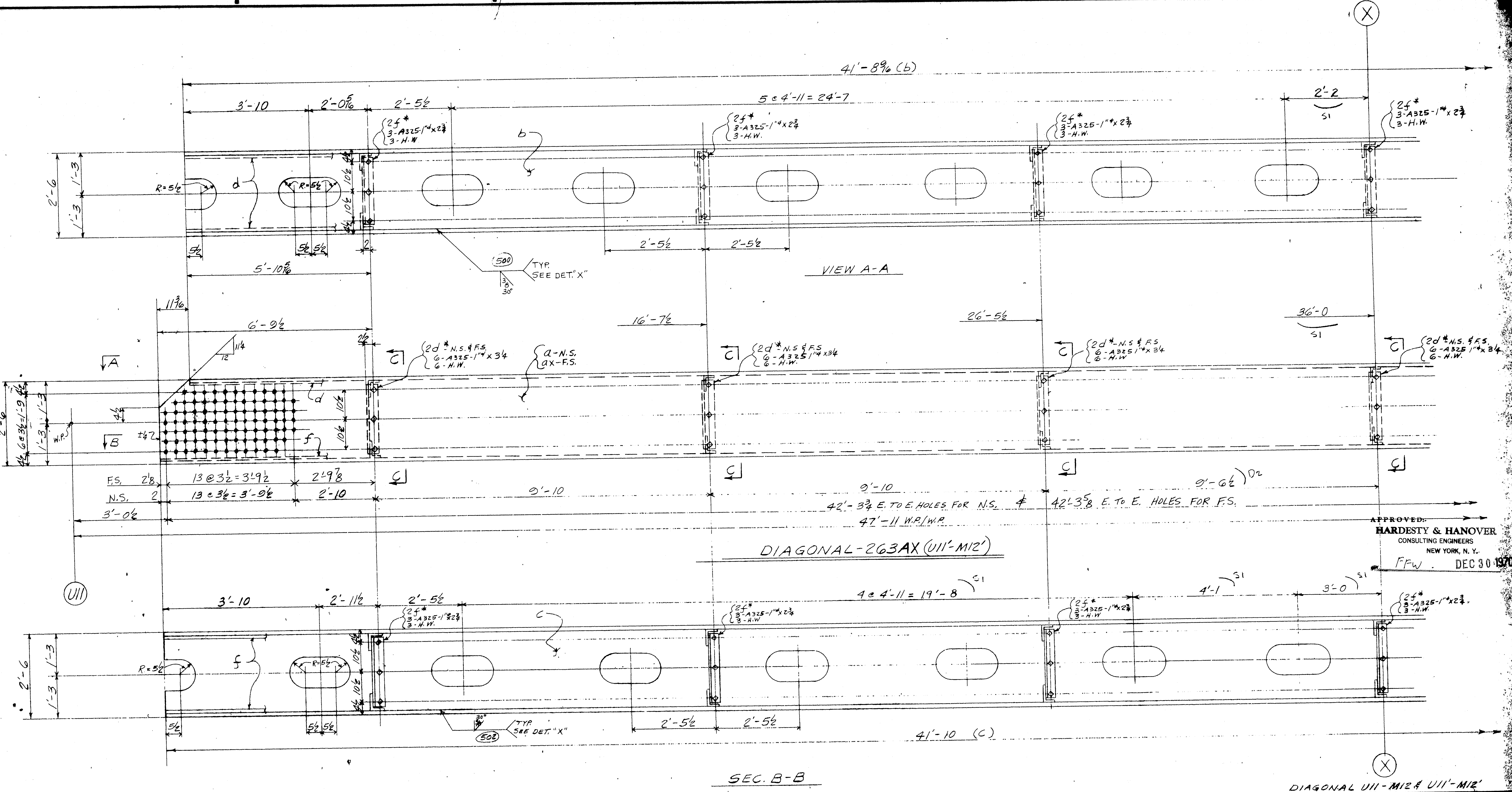
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #~~I-95-1~~(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY J.A.L. DATE 2-20-70 IN CHARGE L.G.
CHECKED BY PJ DATE 3-6-70 SHOP NO.
CONTRACT CG 6290-062 DRAWING NO. 263BB

35453 (Rev.D 8-69)

121-99 NC TAPE



APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
FFW DEC 30 1970

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

NO.	DATE	INIT.
0		
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D 2	8/12	LG
S 1	8/11	LG
REVISION		

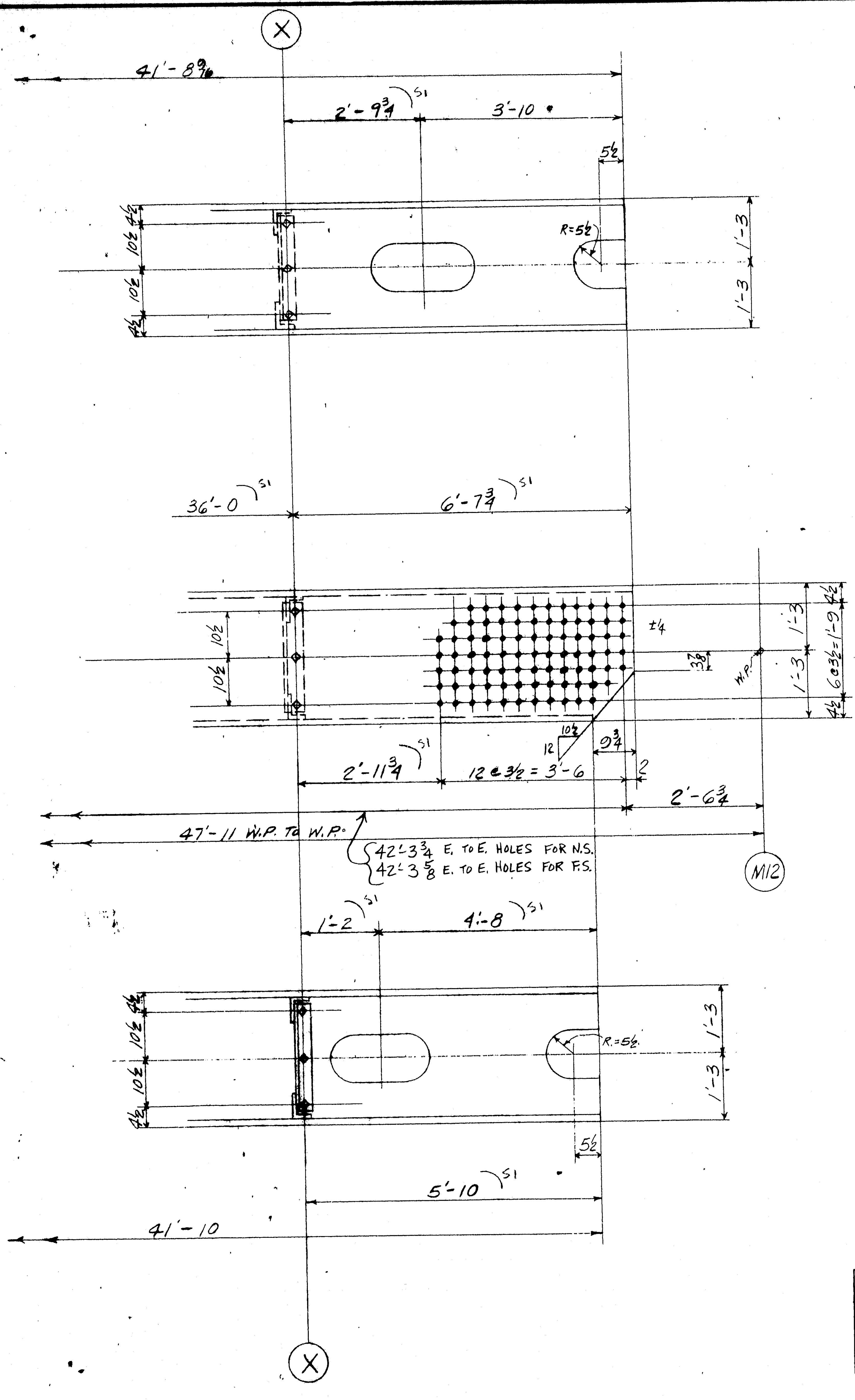
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

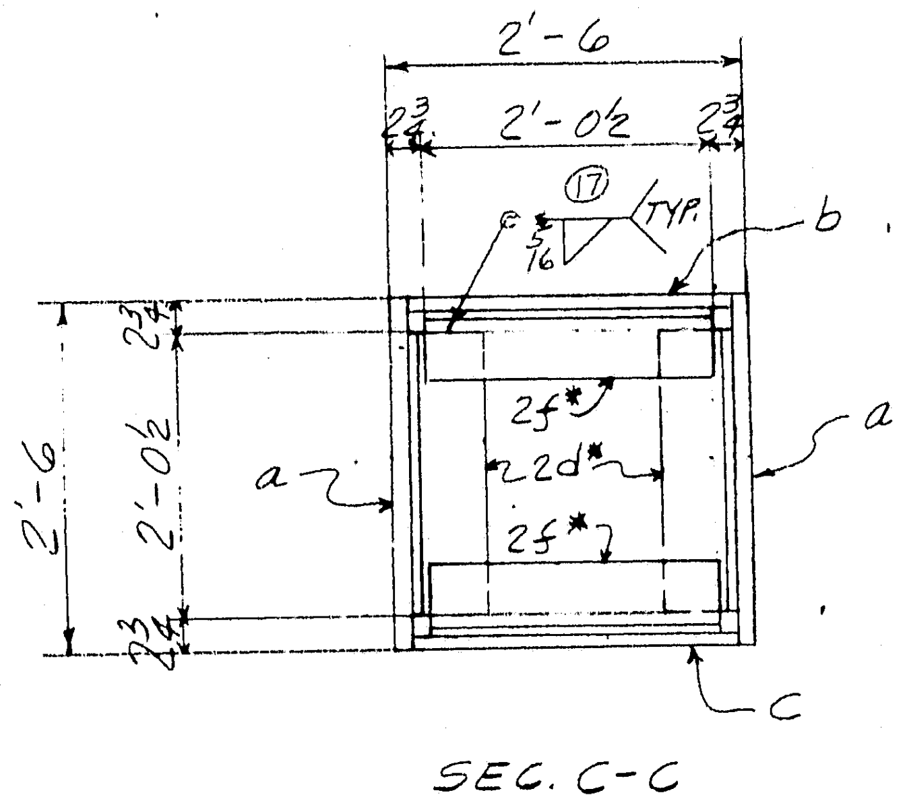
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY J.A.L. DATE 2-20-70 IN CHARGE L.G.
CHECKED BY Ø DATE 3-6-70 SHOP NO.
CONTRACT CG6290-068 DRAWING NO. 263ABX

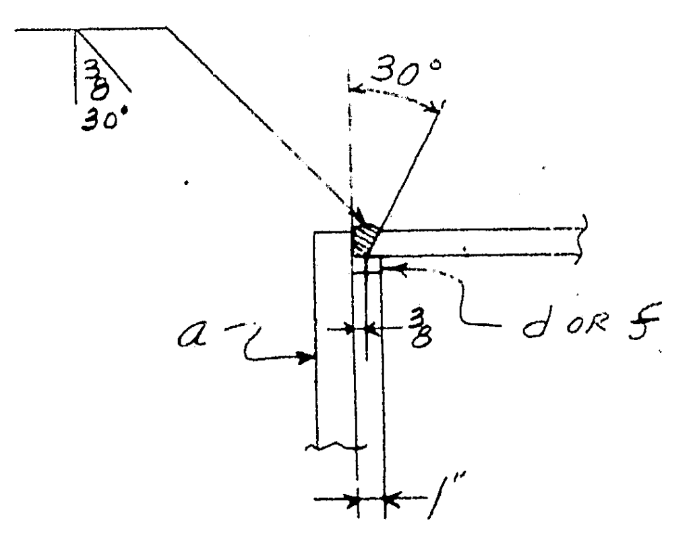
121-100 NC TAPE

For location of details shown on this sheet refer to diagrams.
E9-E11





SEC. C-C



DETAIL "X" (TYP)

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	PAGE	
	1			1-DIAGONALS-263AX													
②	2	a	1	PL	30		1 1/4	42	7 3/4				43	1		185	
Ⓜ	3	b	1	PL	26 3/4		3/4	41	8 9/16	T2W			43	1		18	
Ⓜ	4	c	1	PL	26 3/4		3/4	41	10	T2W			43	1		18	
	5	d	2	BR	1		5/8	42	8 9/16	BACK UP BARS			44	1		186	
	6	f	2	BR	1		5/8	42	10	BACK UP BARS			44	1		186	
	7	2d*	8	L	6	4	1/2	2	0 1/2				2	3		187	
	8	2f*	8	L	6	3 1/2	1/2	2	0 1/2				2	2		187	
	9																
	10																
	11	FW	1	WD			5/16	22	8								
	12	B30	1	WD			3/4	167	0								
	13																
	14																
	15		24	325	1"φ			0	3 1/4							AM26	
	16		24	325	1"φ			0	2 3/4							AM26	
	17		48	H.W.	2"φ	1 1/16"φ	3/16										
	18																
	19																
②	20	ax	1	PL	30		1 1/4	42	7 3/4				43	1		185	3
	21																
	22																
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	24																
	25																
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	62																

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY KFW
DEC 30 1970

ELECTRODES - E70XX
LOW HYDROGEN

LENGTH CORR. FOR TEMP.

DIAGONAL (U11-M12 & U11'-M12')

INSTALLMENT		REQUIRED LIST			
	M14	QTY.	MARK	DESCRIPTION	REMARKS
	1	1	263AX	DIAGONAL	2'-6x2'-6x42'-7 3/4

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes, EXCEPT 11"x22" HOLES

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

MATERIAL A.S.T.M.-A36
BOLTS 1"φ
OPEN HOLES 1 1/16"φ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING - AS NOTED
PAINT 1-CT. RED LEAD AASHO-M72, TYPE II U.N. SEE NOTE "X"

REVISION NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
S1	8/11	LG

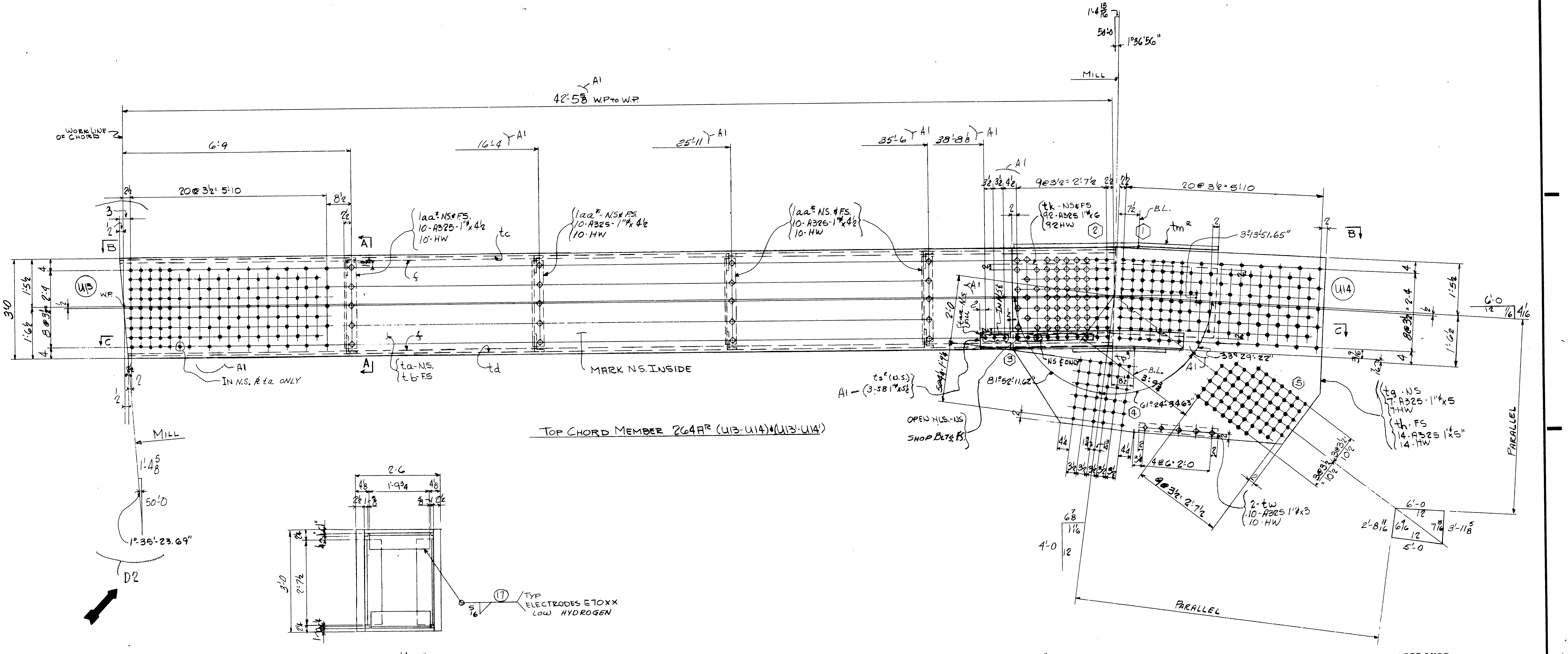
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 J.A.L. DATE 2-20-70 IN CHARGE L.G.
CHECKED BY B DATE 3-6-70 SHOP NO.
CONTRACT CG 6290-062 DRAWING NO. 263BBX

121-101 NC TAPE

For location of details shown on this sheet refer to diagrams.
E9 & E11



SECT. "A-A"

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Anibel Noortzly MAR 12 1971

WORK SHTS. 264 AC, 264BC & 264CC TOGETHER
TOP CHORD MEMBER (U13-U14)&(U13'-U14')

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	3-4-71	CAD
1	4-21	10/21
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 JK.M. DATE 2-18-70 IN CHARGE L.A.G.
CHECKED BY 8 DATE 3-6-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 264AC

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

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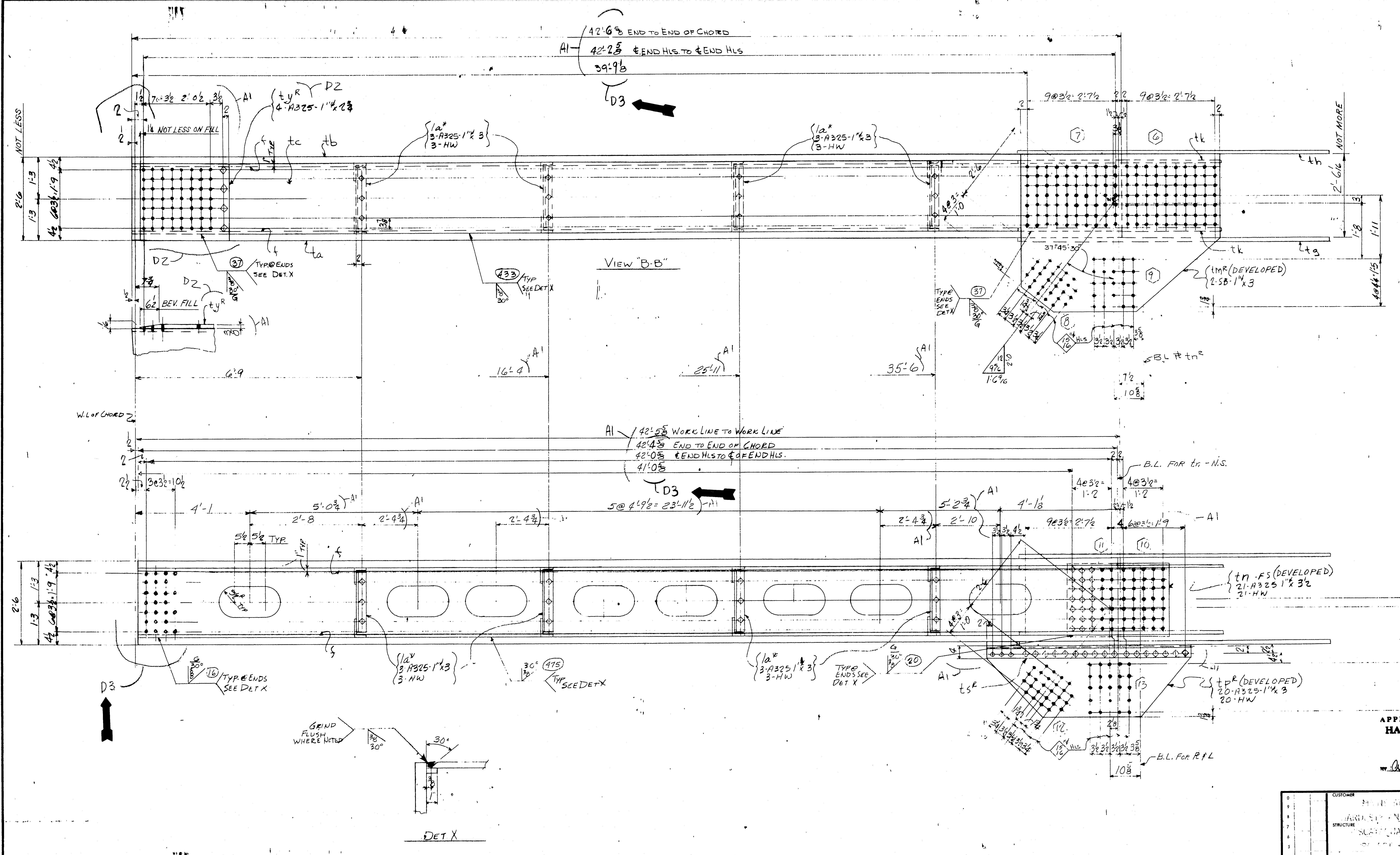
For location of details shown on this sheet refer to diagrams.

E9 & E11

121-102 NC TAPE



APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
MAR 12 1971

NO.	DATE	INIT.
D3	3-4-71	CAD
D2	2/11	WB
A1	4-24	

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 J.K.M. DATE 2-20-70 IN CHARGE L.A.G.
CHECKED BY [illegible] DATE 3-6-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 264BC

For location of details shown on this sheet refer to diagrams.
E9 & E11

121-103 NC TAPE

	SHOP BILL										MILL ORDER						
PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	WIDTH	THICK	LENGTH FT	LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1		4- Top Chords				2-264A^R & 2-264A^L			2-264A^L							
Ⓟ	2	t a	4	PL	36		2½	42	6⅝	M2E	36	2½	42	8¼		122	1
Ⓟ	3	t b	4	PL	36		2½	42	6⅝	M2E	36	2½	42	8¼		122	1
Ⓜ	4	t c	4	PL	24¼		1	42	6⅝	M2E	72¾		42	8¼		123	03
Ⓜ	5	t d	4	PL	24¼		1	42	4⅝	M2E D3	48½	1	42	8¼		123	04
	6	f	16	BR	1		⅝	43	5⅝	A36	1	⅝	43	8¼		142	5
	7	t g	4	PL	66½		1	9	4		66½	1	9	6		243	1
	8	t h	4	PL	66½		1	9	4		66½	1	9	6		243	1
	9	t k	8	PL	27¼		1	6	0¾		28	1	6	2		243	2
	10	t m R/L	2/2	PL	54¼		1	5	11	BENT	55	1	6	2		243	3
	11	t n	4	PL	26		1	3	0	BENT	26	1	3	2		243	5
	12	t p R/L	2/2	PL	25¼		¾	6	0¼	BENT A1	25¼	¾	10	0		243	6
	13	t s R/L	2/2	L	8	8	⅞	6	0¼	BENT CUT TO 6x4							
	14	t w	8	L	4	4	½	2	4	A1							
D2	15	t y R/L	2/2	PL	27½		⅜	2	7¼	BEV. AS NOTED	25	7/16	3	6		243	4
	16	1a*	32	L	6	3½	½	1	4¾				2	1		143	11
	17	1aa*	32	L	6	4	½	2	7½				2	8		143	12
	18	t aa	4	BR	6		1	0	11	A1							
	19		16	325	1"⌀			0	2¾								
	20		216	325	1"⌀			0	3							AM	26
	21		84	325	1"⌀			0	3½							AM	26
	22		160	325	1"⌀			0	4½							AM	26
	23		84	325	1"⌀			0	5							AM	26
	24		368	325	1"⌀			0	6							AM	26
	25		928	HW	2"⌀	1 1/16"⌀	3/16									AM	26
	26																
	27		8	MB	1"⌀			0	3	RHH RHN S.B						AM	27
	28	A1	12	MB	1"⌀			0	5½	RHH RHN S.B.						AM	27
	29																
	30	B30	4	WD			1	169	0								
	31	FW	4	WD			5/16	22	10								
	32																
	33																
	34																
	35																
	36																
	37																
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	a	b	c
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For location of details shown on this sheet refer to diagrams.

E9 & E11

1	1	2	$264A^R$	TOP CHRD. MEMBER	4'-9 x 5'-8 x 48'-7
1	1	2	$264A^L$	Do.	Do
H17	M17	QTY.	MARK	DESCRIPTION	REMARKS
INST.		REQUIRED LIST			

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11"x22" HOLES

ELECTRODES E11018M — A1

EXCEPT WHERE NOTED (LOW HYDROGEN)

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

NOTE: Length Corrected for Temperature

MATERIAL { PLS-A517 / SHAPES T1 } PREFIX t; A36 - NO PREFIX
RIVETS OR BOLTS — 1"⌀ A325 U.N
OPEN HOLES 1 1/16"⌀ UN
A325 FIELD BOLTS—
SHOP CONTACT SURFACES — N.P
MILLING - AS NOTED
WELDING - AS NOTED
PAINT One Shop Coat Red Lead AASHO - M72, Type II See Note "X"

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Arnold Noortzly MAR 12 1971

WORK SHTS. 264AC, 264BC & 264CC TOGETHER

TOP CHORD MEMBER (U13-U14) & (U13'-U14')

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
D3	3-4-71	CAD
D2	2/11	WB
A1	4-23	5/8/
REVISION		

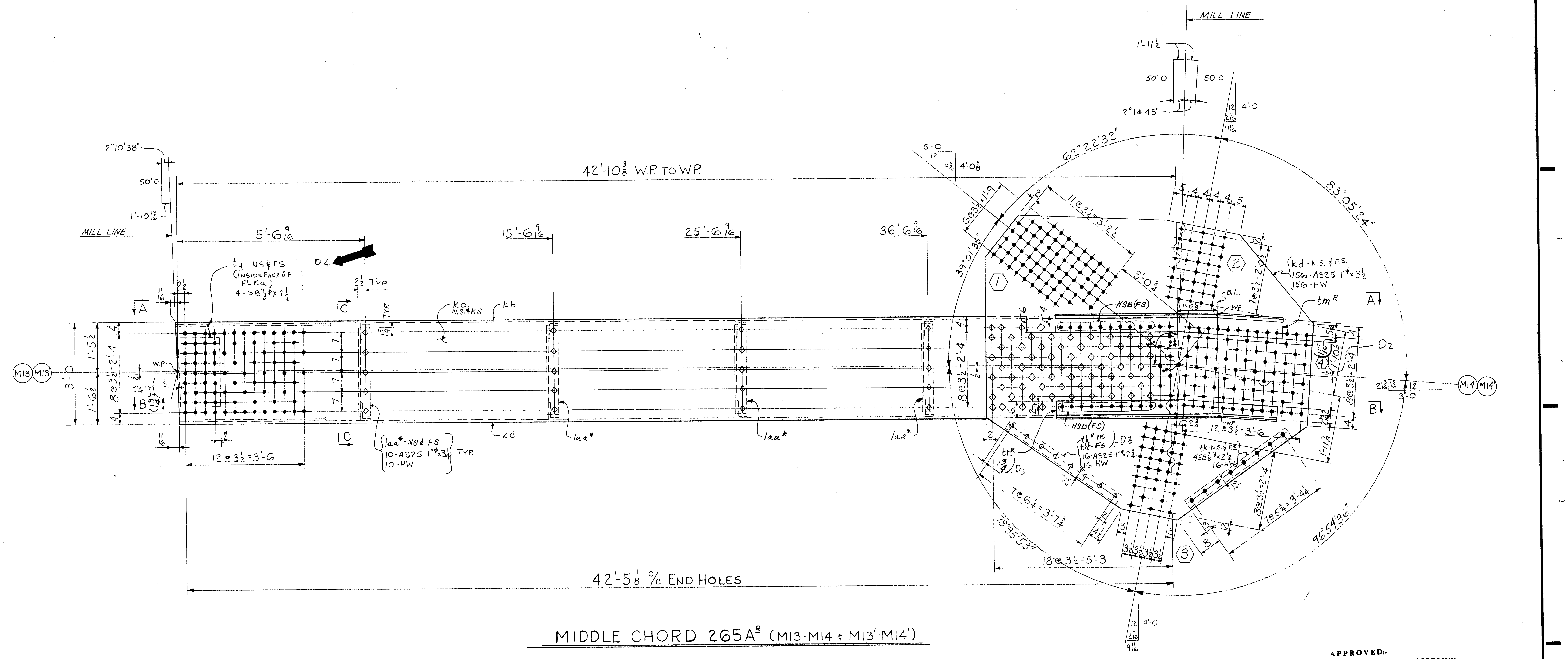
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 JKM DATE 2-20-70 IN CHARGE L.A.G.
CHECKED BY ____ DATE ____ SHOP NO. ____
CONTRACT CG6290-061 DRAWING NO. 264CC

35453 (Rev.D 8-69)

121-104 NC TAPE



MIDDLE CHORD 265A^R (M13-M14 & M13'-M14')

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Cmfl Nooth
APR 13 1971

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
D4	4/1/71	1/LM
D3	9-14	LM
D2	9-10	LM
D1	7/27	LG
REVISION		

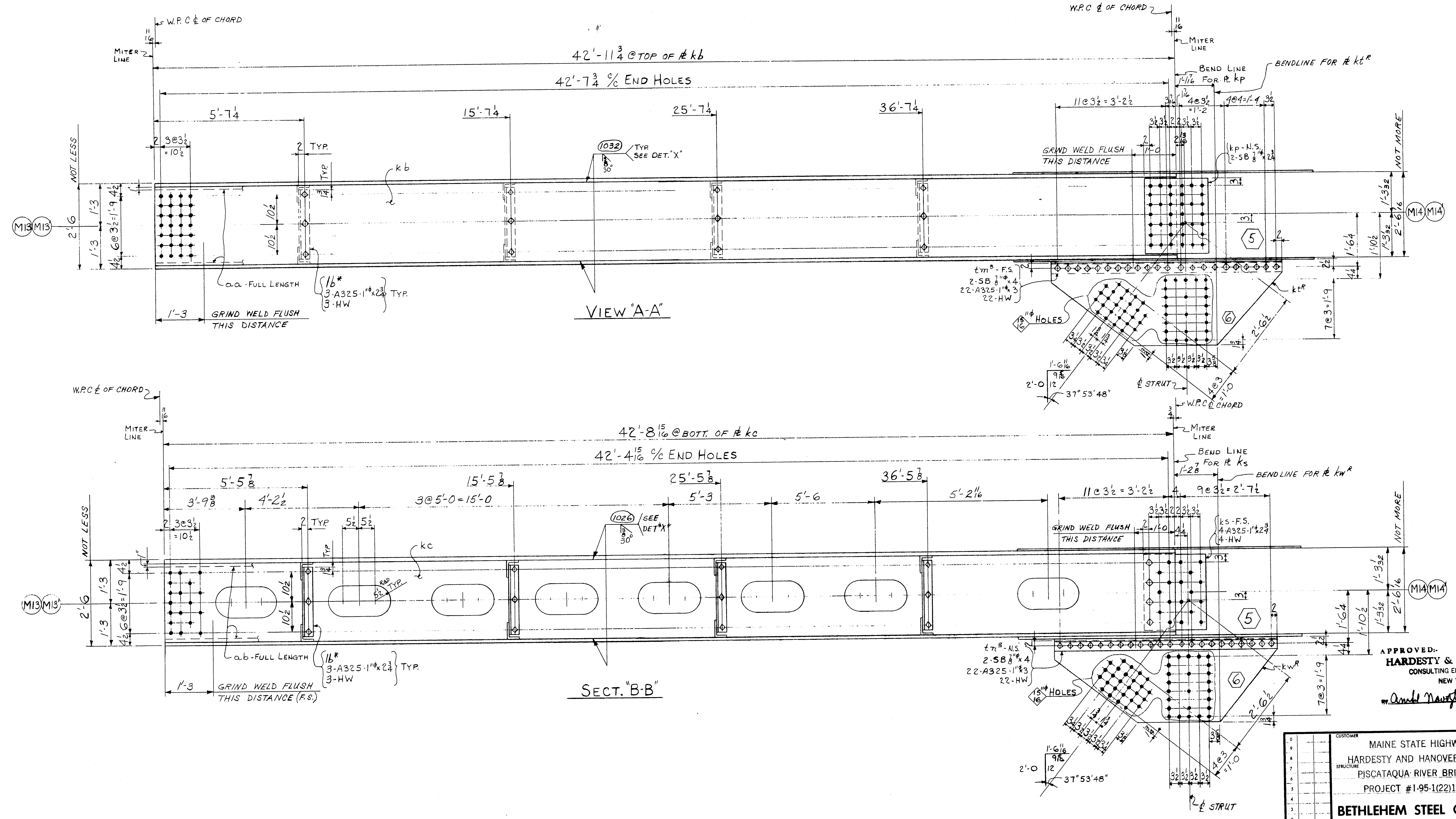
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 WORKS
CHICAGO DRAFTING ROOM
MADE BY KMG DATE 2-18-70 IN CHARGE L.A.G.
CHECKED BY LM DATE 3-18-70 SHOP NO.
CONTRACT CG6290-060 DRAWING NO. 265AC /D1

For location of details shown on this sheet refer to diagrams.
E9 & E11

121-105 NC TAPE



APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Arnold Navotzky APR 3 1970

NO.	DATE	INIT.
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2		
D1	7/21	LG

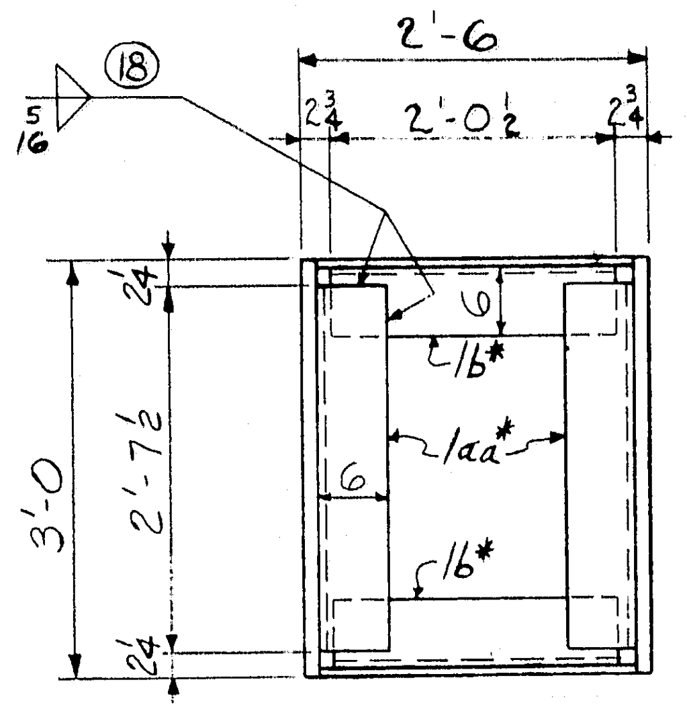
REVISION

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

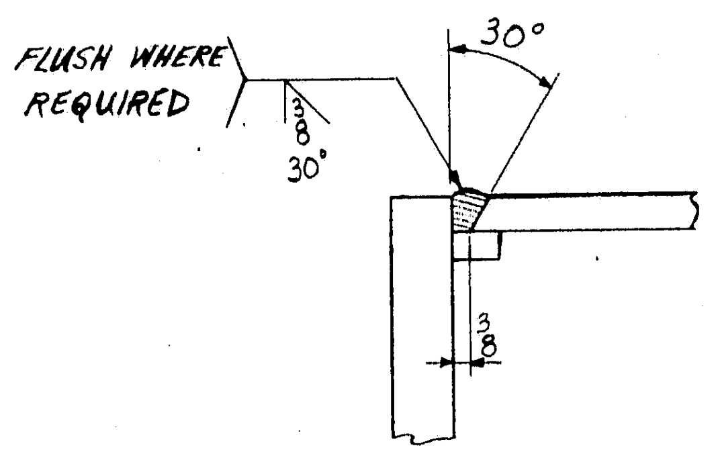
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY KMG DATE 2-19-70 IN CHARGE L.A.G.
CHECKED BY LM DATE 3-18-70 SHOP NO.
CONTRACT CG 6290-060 DRAWING NO. 265 BC

For location of details shown on this sheet refer to diagrams.
E9 & E11

121-106 NC TAPE D1



SECT. "C-C"



DETAIL "X"

	SHOP BILL										MILL ORDER							
PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	WIDTH	THICK	LENGTH FT	LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1		4	MIDDLE CHORDS 2-265A^R & 2-265A^L													
②	2	k a	8	PL	36		1 1/4	42	11 3/4	M2E T2W						134	01
Ⓜ	3	k b	4	PL	26 3/4		3/4	42	11 3/4	M2E T2W						134	02
Ⓜ	4	k c	4	PL	26 3/4		3/4	42	8 15/16	M2E T2W						134	02
	5	k d	8	PL	103 1/4		3/4	10	2 3/4							207	01
	6	1aa*	32	L	6	4	1/2	2	7 1/2							144	07
	7	1b*	32	L	6	3 1/2	1/2	2	0 1/2							144	08
D_2 (	8	t h R/L	4/4	L	4	4	1/2	3	11 1/2							152	04
	9	t k	8	L	4	4	1/2	3	8 1/4							152	04
	10	t m R/L	2/2	L	8	8	7/8	6	8 7/8	(CUT TO 7×4) BENT						153	15
	11	t n R/L	2/2	L	8	8	7/8	6	6	CUT TO 6×4 BENT						153	16
	12	k p	4	PL	27		5/8	1	10	BENT						207	03
	13	k s	4	PL	27		5/8	1	10	BENT						207	03
	14	k t R/L	2/2	PL	29		5/8	6	8 7/8	BENT						207	02
	15	k w R/L	2/2	PL	29		5/8	6	6	BENT						207	04
D_3 (	16	t y	8	PL	15 5/16		1/4	2	0 1/2	FILLS						161	19
	17	aa	8	BR	1		5/8	43	11 3/4	BACK-UP BARS						142	11
	18	ab	8	BR	1		5/8	43	9	Do.						142	11
	19	FW	4	WD			5/16	24	0								
	20	B30	4	WD			3/4	171	6								
	21		8	SB	7/8"ϕ			0	2 3/4	RHH & RHN						AM26	
	22		16	SB	7/8"ϕ			0	4	RHH & RHN						AM26	
	23		176	325	1"ϕ			0	2 3/4							AM26	
	24		176	325	1"ϕ			0	3							AM26	
	25		160	325	1"ϕ			0	3 1/4							AM26	
	26		624	325	1"ϕ			0	3 1/2							AM26	
	27		1136	HW	2"ϕ	1 1/16"ϕ	3/16										
D_3 (	28		32	SB	7/8"ϕ			0	2 1/2	RHH & RHN							
	29																
	30																
	31																
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APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Arnold Novotny APR 13 1971

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

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11"×22" HAND HOLES

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES - E70XX
LOW HYDROGEN

NOTE: Length Corrected for Temperature

INST.		REQUIRED LIST			
M17	H17	No.	DESCRIPTION	MARK	REMARKS
1	1	2	MIDDLE CHORD	265A^R	5'-1×4'-2×46'-11
1	1	2	Do.	265A^L	Do.

MATERIAL: SHAPES-T1, TYPE A (PREFIX-t)
PLATES-ASTM-A588 (PREFIX-k)
ASTM-A36 (NO PREFIX)
RIVETS OR BOLTS 1"ϕ
OPEN HOLES 1 1/16"ϕ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES N.P.
WELDING AS NOTED
PAINT One Shop Coat Red Lead AASHO - M72, Type II See Note "X"

REVISION NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
D3	4/1/71	LM
D2	9-14	LM
D1	7/27	LG

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

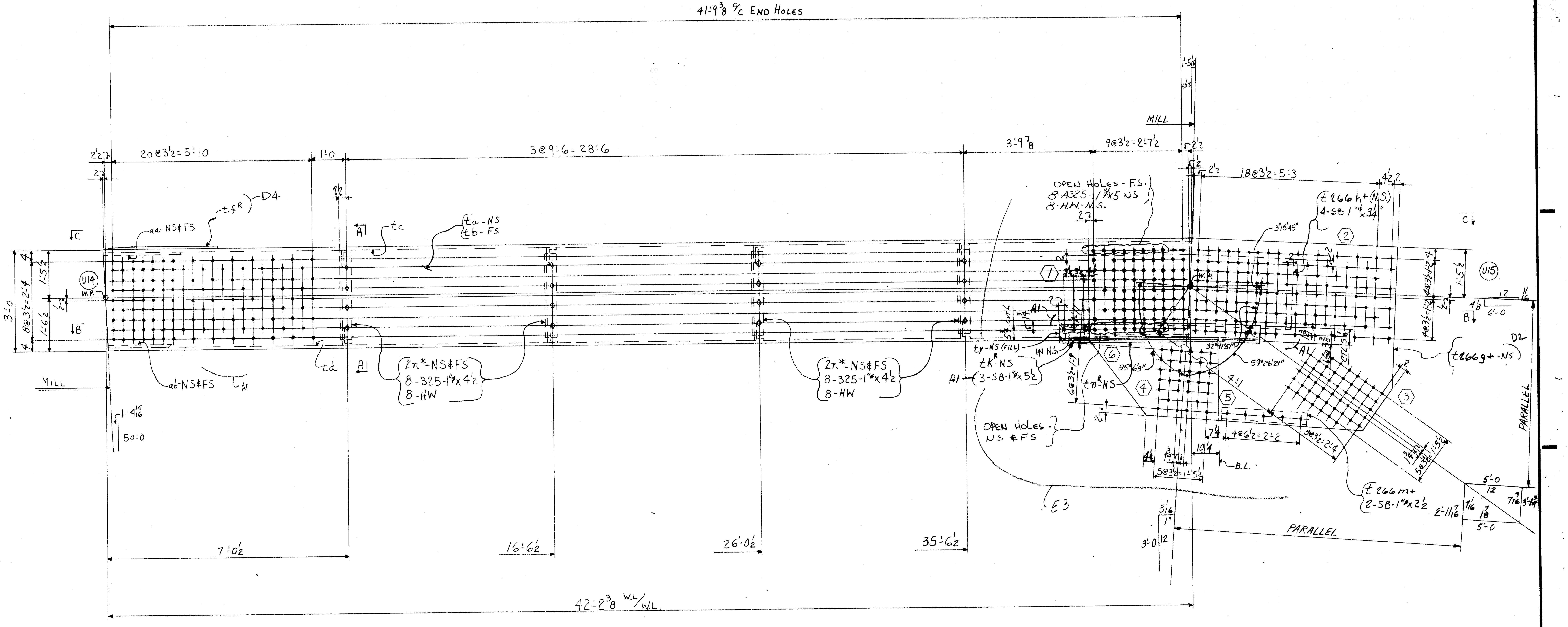
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY KMG DATE 2-19-70 IN CHARGE LAG.
CHECKED BY LM DATE 3-18-70 SHOP NO.
CONTRACT CG 6290-060 DRAWING NO. 265CC

For location of details shown on this sheet refer to diagrams.
E9 & E11

121-107 NC TAPE D1

35453 (Rev.D 8-69)

0 1 2 3 4 5 6



Top Chord Member 266A^R (U14-U15)

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BY Arnold Novizki MAR 4 1971

Top Chord Member (U14-U15)

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
D4	2/11	WB
E3	12/4	RP
D2	11/12	LG
A1	[illegible]	Y

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

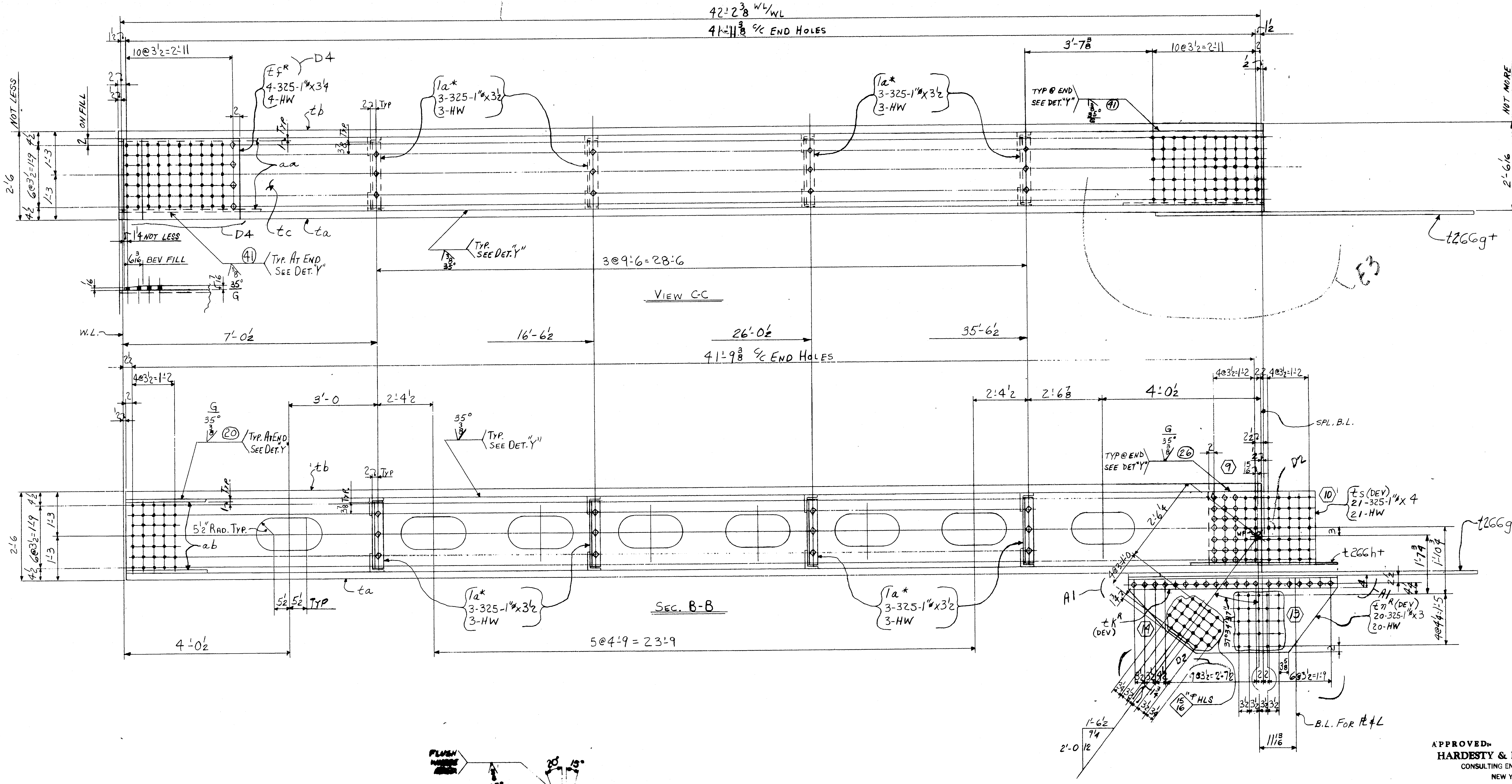
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

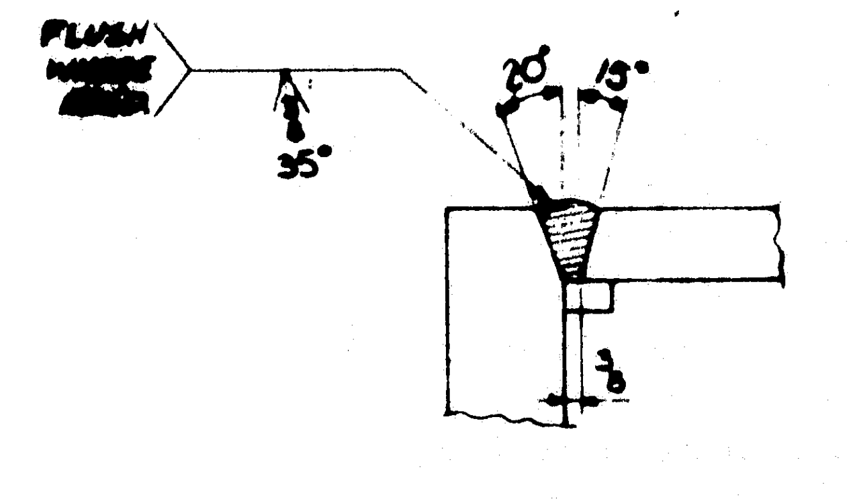
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY GCY DATE IN CHARGE LAG
CHECKED BY [illegible] / LM DATE 3-8-70 / 12-19-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 266AC

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

For location of details shown on this sheet refer to diagrams.
E10

NC TAPE 121—10,8





DETAIL "Y" TYP.

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NEW YORK, N. Y.
BY Arnold Noortz MAR 4 1971

TOP CHORD MEMBER (U14-U15)

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
D4	2/11	WB
E3	12/4	RP
D2	5/26	3/P
A1	4/9/70	GY

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

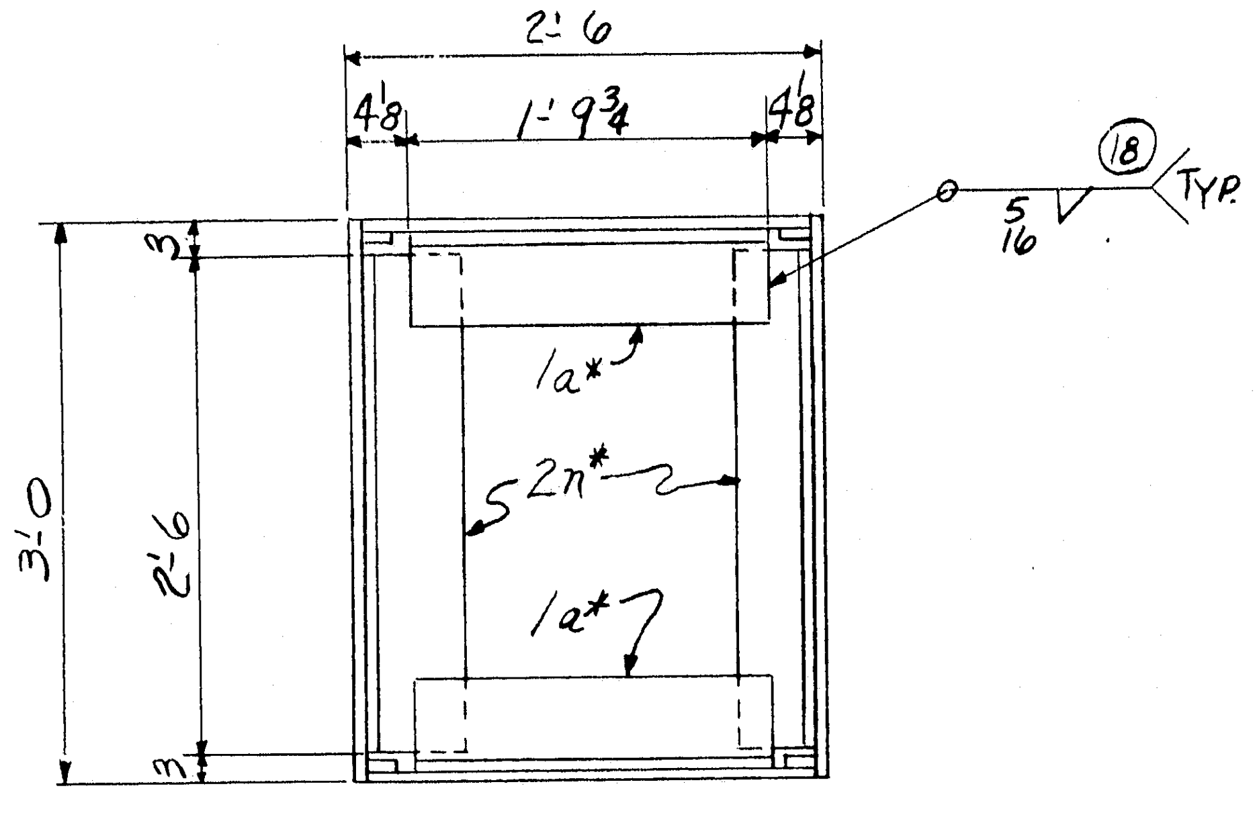
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY GCY DATE IN CHARGE LAG
CHECKED BY B/ DATE 3-8-70 SHOP NO.
LM 12-19-70
CONTRACT CG 6290-061 DRAWING NO. 266BC

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

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

E10

121-109 NC TAPE



ELECTRODES - E70XX LOW HYDROGEN

SECTION "A-A"

D5
D2
E3
D2

	SHOP BILL										MILL ORDER						
PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		2- TOP CHORD MEMBERS - 1-266A^R & 1-266A^L														
2	2	t a	2	PL	36		2½	42	3⅜	M2E			42	5		124	1
2	3	t b	2	PL	36		2½	42	3⅜	M2E			42	5		124	1
M	4	t c	2	PL	24¼		1½	42	3⅜	M2E			42	5		125	1
M	5	t d	2	PL	24¼		1½	42	1⅜	M2E			42	5		125	1
	6	t f R/L	1/1	PL	27½		7/16	3	2¼	BEV AS NOTED						243	4
	7	t 266g+	2	PL	66		1	9	2				9	4		208	1
	8	t 266h+	2	PL	27½		1	6	1¼	A1			6	3		208	2
	9	t K R/L	1/1	L	8	8	⅞	6	0¼	BENT CT 5¾×4						153	12
	10	t 266m+	2	L	4	4	½	2	6	A1						151	10
	11	t n R/L	1/1	PL	25¼		¾	6	0¼	BENT			10	1½		208	6
	12																
	13	t s	2	PL	25		1⅛	3	0	BENT D4			3	0		208	5
	14	1a*	16	L	6	3½	½	1	9¾				2	1		143	14
	15	2n*	16	L	6	4	½	2	6				2	8		143	13
	16	aa	4	BR	1		⅝	43	3¼				43	5		142	6
	17	ab	4	BR	1		⅝	43	1½				43	5		142	6
	18																
	19	t y	2	BR	5¾		1	0	11	A1							
	20																
	21	E3															
	22																
	23		8	MB	1"φ			0	5½	RHH & RHN (SB)						AM27	
	24		6	MB	1"φ			0	5½	RHH & RHN (SB)						AM27	
	25		4	MB	1"φ			0	2½	RHH & RHN (SB)						AM27	
	26																
	27																
	28		40	325	1"φ			0	3							AM26	
	29		8	325	1"φ			0	3¼							AM26	
	30		48	325	1"φ			0	3½							AM26	
	31	E3	42	325	1"φ			0	4							AM26	
	32		64	325	1"φ			0	4½							AM26	
	33																
	34		16	325	1"φ			0	5							AM26	
	35		218	HW	2	1 1/16	3/16									AM26	
	36																
	37																
	38	E3															
	39																
	40	V35B	2	WD			1½	168	10								
	41	FW	2	WD			5/16	24	0								
	42																
	43																
	44																
	45																
	46																
	47																
	48																
	49																
	50																
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	54																
	55																
	56																
	57																
	58																
	59																
	60																
	61																
	62																

A1

ELECTRODES E11018M
(EXCEPT AS NOTED) (LOW HYDROGEN)

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NEW YORK, N. Y.
BY Arnold Novotny MAR 4 1971

E3) WORK SH'TS 266 & 276 & ~~284~~ TOGETHER

NOTE: Length Corrected for Temperature

	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.

E10

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11x22 HOLES.

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

				NO.	DESCRIPTION	MARK	REMARKS
			1	1	TOP CHORD MEMBER	266A^L	9'-6x5'-0x48'-0
			1	1	" " "	266A^R	" " "
			H18	E3			
INST.				REQUIRED LIST			

MATERIAL
(PL - A517 / SHAPES T) - PREFIX - t
A36 - NO PREFIX
~~[illegible]~~ BOLTS - 1"φ
OPEN HOLES - 1 1/16"φ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES - N.P.
WELDING - AS NOTED
MILLING - AS NOTED
PAINT One Shop Coat Red Lead
AASHO - M72, Type II
See Note "X"

TOP CHORD MEMBER (U14-U15)

NO.	DATE	INIT.
0		
9		
8		
7		
6		
D5	2/11	WB
D4	12/28	RP
E3	12/4	RP
D2	11/12	LG
A1	9/9/70	GY
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

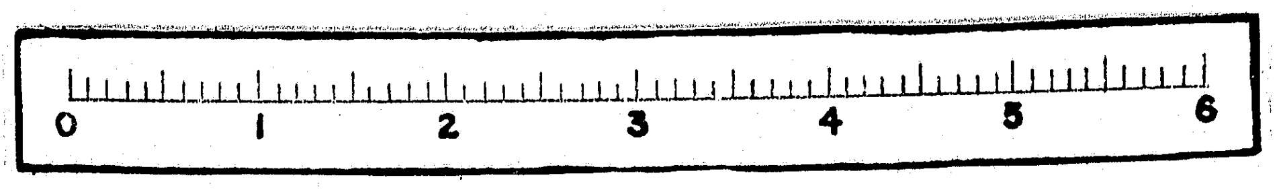
BETHLEHEM STEEL CORPORATION

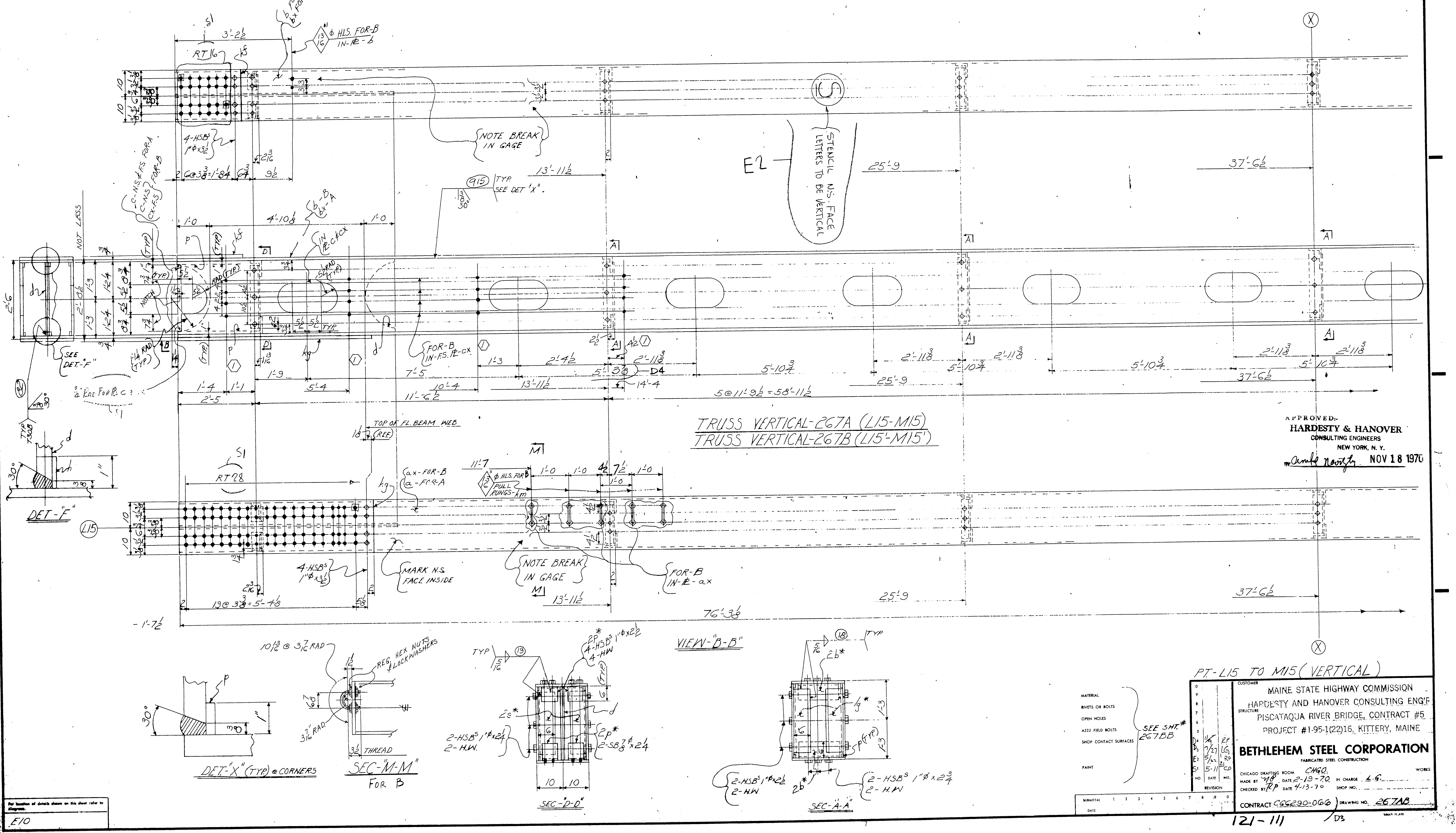
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY GCY DATE IN CHARGE LAG
CHECKED BY B / LM DATE 3-8-70 / 12-19-70 SHOP NO.
CONTRACT CG 6290-061 DRAWING NO. 266 CC

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

35453 (Rev.D 8-69)

121-110, NC TAPE





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NEW YORK, N. Y.
BY Arnold Noritzky NOV 18 1970

MATERIAL	
RIVETS OR BOLTS	SEE SHT.# 267BB
OPEN HOLES	
A325 FIELD BOLTS	
SHOP CONTACT SURFACES	
PAINT	

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
D4	11/9	RP
D3	7/27	LG
E2	5/22	RP
S1	5-11	CD

REVISION

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

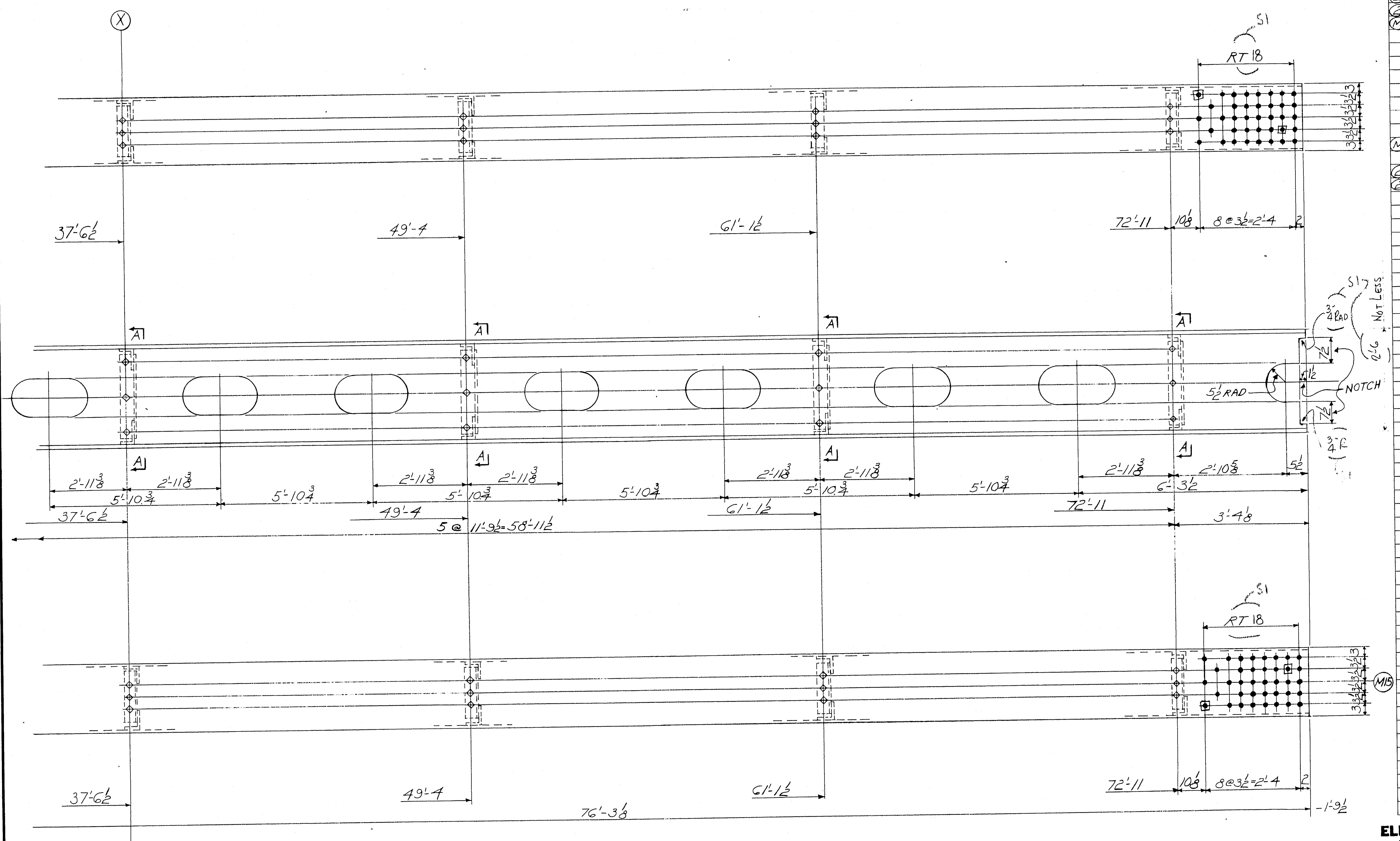
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO. WORKS
MADE BY MB DATE 2-19-70 IN CHARGE L.G.
CHECKED BY RP DATE 4-13-70 SHOP NO.
CONTRACT CGG290-066 DRAWING NO. 267AB

121-111
D3

	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.

E10

SHOP BILL

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		4-VERTICALS-3-267A & 1-267B														
②	2	a	3	PL	20		3/4	76	3 1/8	T2W - A						204	03
②	3	b	1	PL	20		3/4	76	3 1/8	T2W - B						204	03
Ⓜ	4	c	7	PL	27 3/4		1/2	76	3 1/8	T2W 2-A 5-B						204	04
	5	d	4	PL	27 3/4		3/4	6	10 1/8	T2W						156	07
	6	k f	4	PL	20		1 1/4	2	0 1/4	FILL						219	01
	7	k g	4	PL	20		1 1/4	6	1 1/4	FILL						219	02
	8	h	4	BR	1		5/8	7	10 1/8	BACKUP BAR						156	08
	9	2s*	8	L	6	3 1/2	3/8	2	1							206	08
	10	2b*	48	L	6	3 1/2	1/2	1	4							206	05
	11	p	16	BR	1		5/8	77	3 1/8	BACKUP BAR						205	02
	12	2p*	16	L	6	4	3/8	0	7							206	07
Ⓜ	13	cx	1	PL	27 3/4		1/2	76	3 1/8	T2W - B						204	04
	14	1g#	48	L	6	4	1/2	2	1							206	06
②	15	ax	1	PL	20		3/4	76	3 1/8	T2W - B						204	03
②	16	bx	3	PL	20		3/4	76	3 1/8	T2W - A						204	03
	17																
	18																
	19		24	325	1"ϕ			0	2 1/4							AM30	
	20		32	325	1"ϕ			0	3 1/2							AM30	
	21		160	325	1"ϕ			0	2 1/2							AM30	
	22		144	325	1"ϕ			0	2 3/4							AM30	
	23		360	HW	2	1 1/16	3/16									AM30	
	24		8	MB	7/8ϕ			0	2 1/4	RHH RHN } S.B.						AM31	
	25		20	M	3/4	TAP	RH	NUT		B							
	26	k m	5	RD	3/4ϕ			1	5 13/16	BT. - B							
	27	T30B	4	WD			3/4	13	9								
	28	FW	4	WD			5/16	42	4								
	29	B30	4	WD			1/2	305	0								
	30																
	31		20	M	3/4ϕ	LOCKWASHERS				B							
	32																
	33																
	34																
	35																
	36																
	37																
	38																
	39																
	40																
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NEW YORK, N. Y.
BY MAY 22 1970

ELECTRODES - E70XX
LOW HYDROGEN

NOTE: Length Corrected for Temperature

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

M18	H18			NO.	DESCRIPTION	MARK	REMARKS
1				1	VERT. 1'-8x2'-9x76'-4	267B	
1	2			3	VERT.1'-8x2'-9x76'-4	267A	

INST. REQUIRED LIST

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 22 x 11 PERFORATION

MAT'L PREFIXED WITH THE LETTER "K" TO BE A588 STEEL; ALL OTHER TO BE A.S.T.M.-A36

MATERIAL

BOLTS 1"ϕ

OPEN HOLES - 1 1/16"ϕ U.N.

A325 FIELD BOLTS

SHOP CONTACT SURFACES - N.P.

WELDING - AS NOTED

PAINT - 1-CT. RED LEAD AASHO-M72 TYPE II (SEE NOTE "X")

PT-L15 TO M15 (VERTICAL)

REVISION NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	7/27	LG
S1	5-4	CD

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

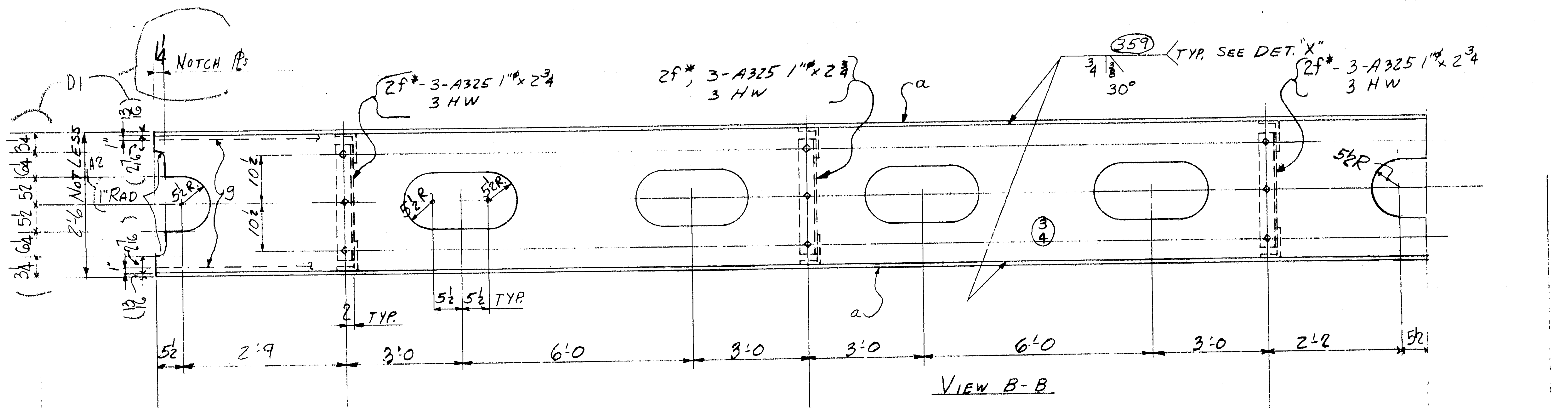
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

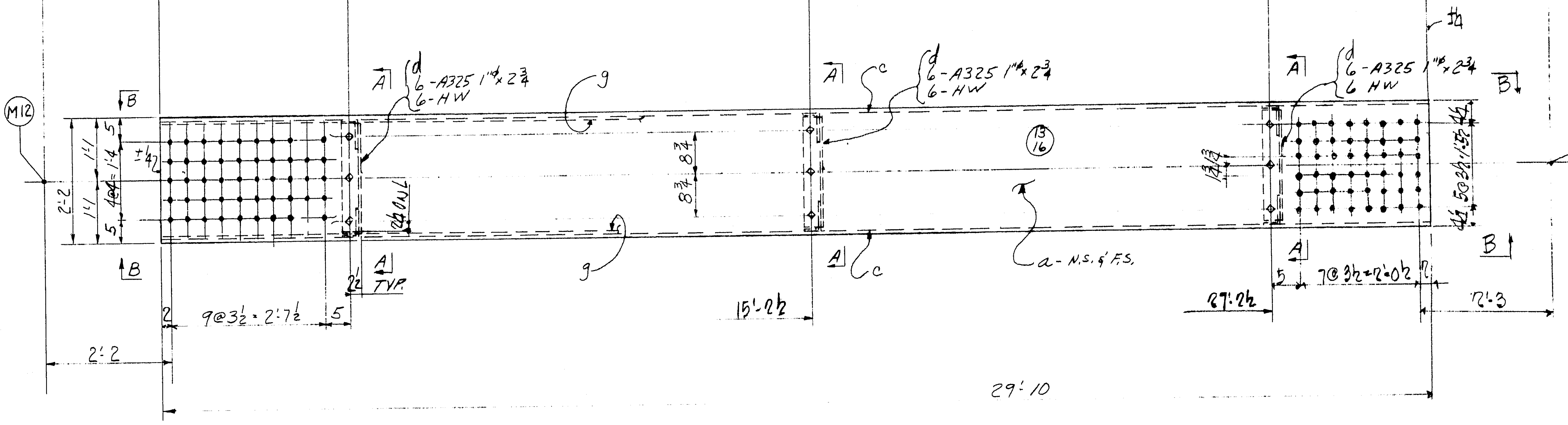
CHICAGO DRAFTING ROOM CHGO. WORKS
MADE BY RO DATE 2-19-70 IN CHARGE L.G.
CHECKED BY RP DATE 4-13-70 SHOP NO.
CONTRACT CG6290-066 DRAWING NO. 267BB

35453 (Rev.D 8-69)

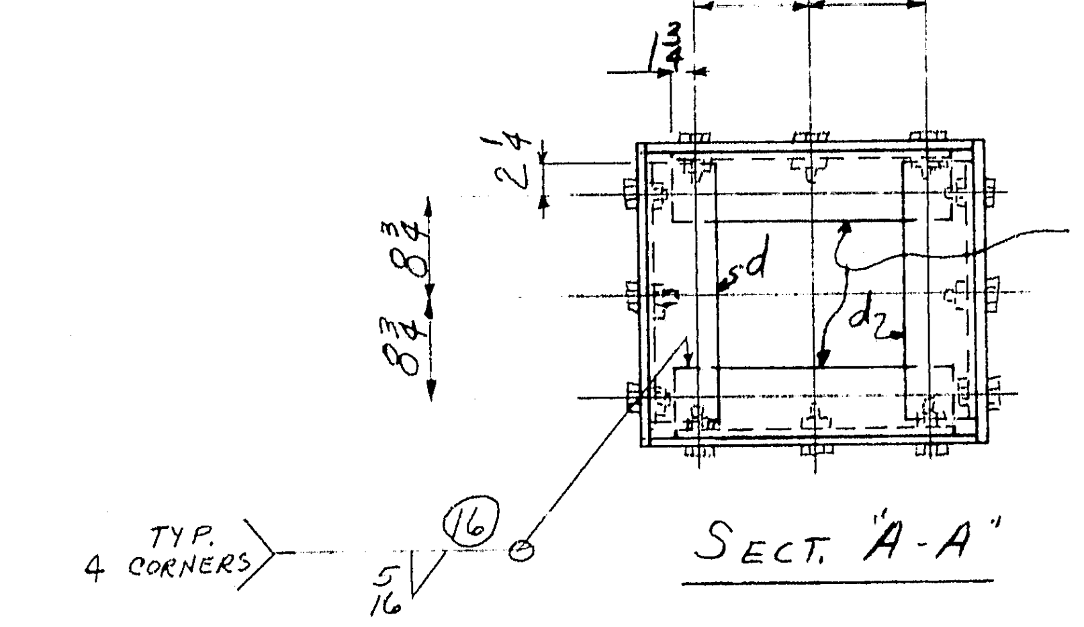
121-112 DZ



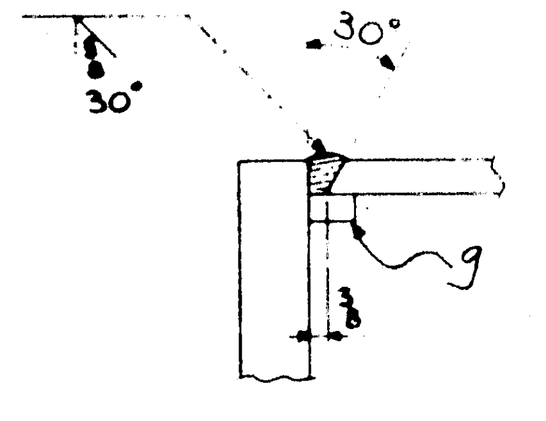
VIEW B-B



VERTICAL 268A



SECT. "A-A"



DETAIL "X" TYP

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.

E9 & E11

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		4	VERTICALS			268A										
②	2	a	8	PL	26		13/16	29	10				30	2		192	03
	3																
Ⓜ	4	c	8	PL	27⅝		¾	29	10				30	2		192	04
	5	d	24	L	6	4	½	1	10							194	03
	6	2f*	24	L	6	3½	½	2	0½							194	04
	7	g	16	BR	1		⅝	30	10				31	0		193	02
	8																
	9																
	10		144	325	1"φ			0	2¾							AM	26
	11		144	HW	2	11/16	3/16									AM	26
	12																
	13	B30	4	WD			¾	119	4								
	14	FW	4	WD			5/16	21	4								
	15																
	16																
	17																
	18																
	19																
	20																
	21																

ELECTRODES - E70XX
LOW HYDROGEN

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT PERFORATIONS

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

		2	2	4	VERTICAL 2'-6 x 26⅛ x 29'-10	268 A	
		H14	M14	NO.	DESCRIPTION	MARK	REMARKS
INST.					REQUIRED LIST		

NOTE: Length Corrected for Temperature VERTICAL U12 TO M12

MATERIAL ASTM - A36
~~RIVETS OR~~ BOLTS 1"φ
OPEN HOLES 1 1/16"φ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING AS NOTED
PAINT One Shop Coat Red Lead AASHO - M72, Type II See Note "X"

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
A2	4-24	P
D1	4-1	CD

REVISION

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

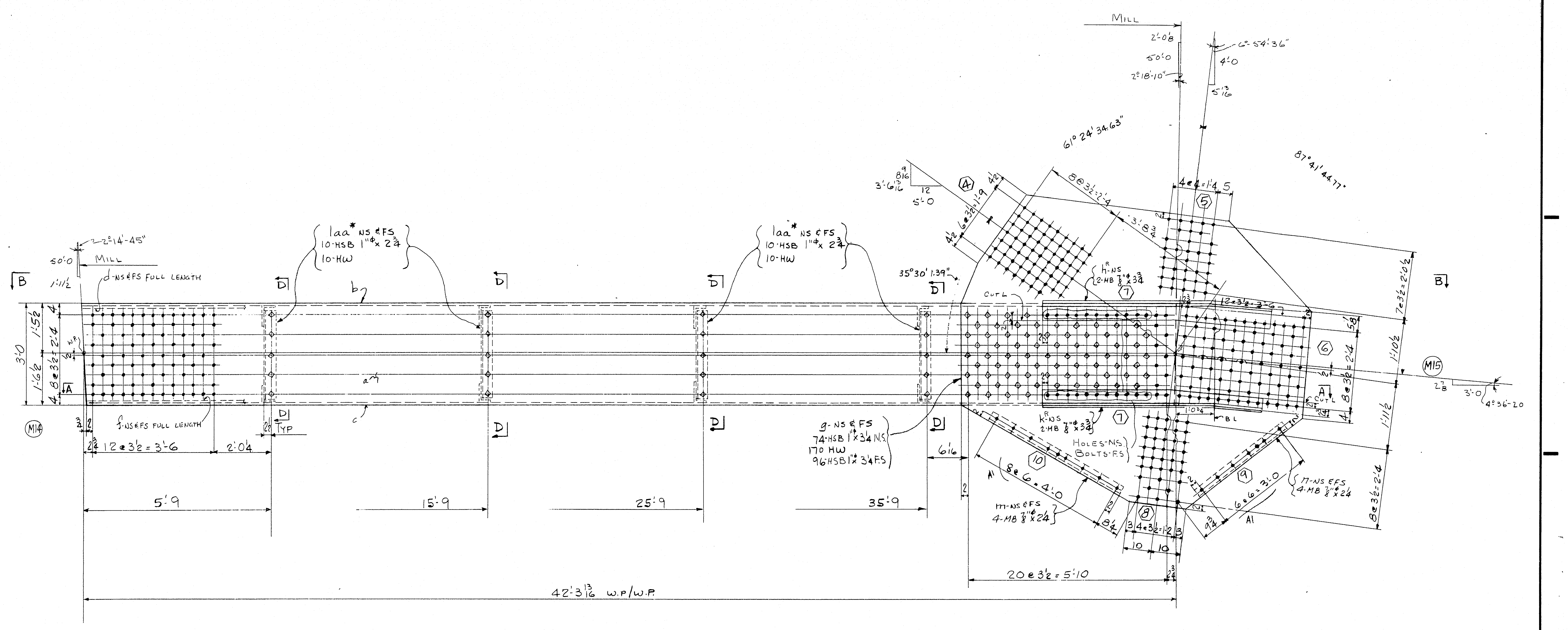
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY CPM DATE 2-20-70 IN CHARGE L.A. GOTHBERG
CHECKED BY P DATE 3-11-70 SHOP NO.
CONTRACT CG 6290-063 DRAWING NO. 268

121-112 NC TAPE

35042 (Rev.E 8-69)



BOTTOM TRUSS CHORD MEMBER 269A^F (M14 TO M15)

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
APR 16 1970
BY Arnold Novotzky

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT
SEE 269CC

MIDDLE TRUSS CHORD AT POINT M14 TO M15

NO.	DATE	INIT.
D2	7/27	LG
A1	3/30	RP

REVISION

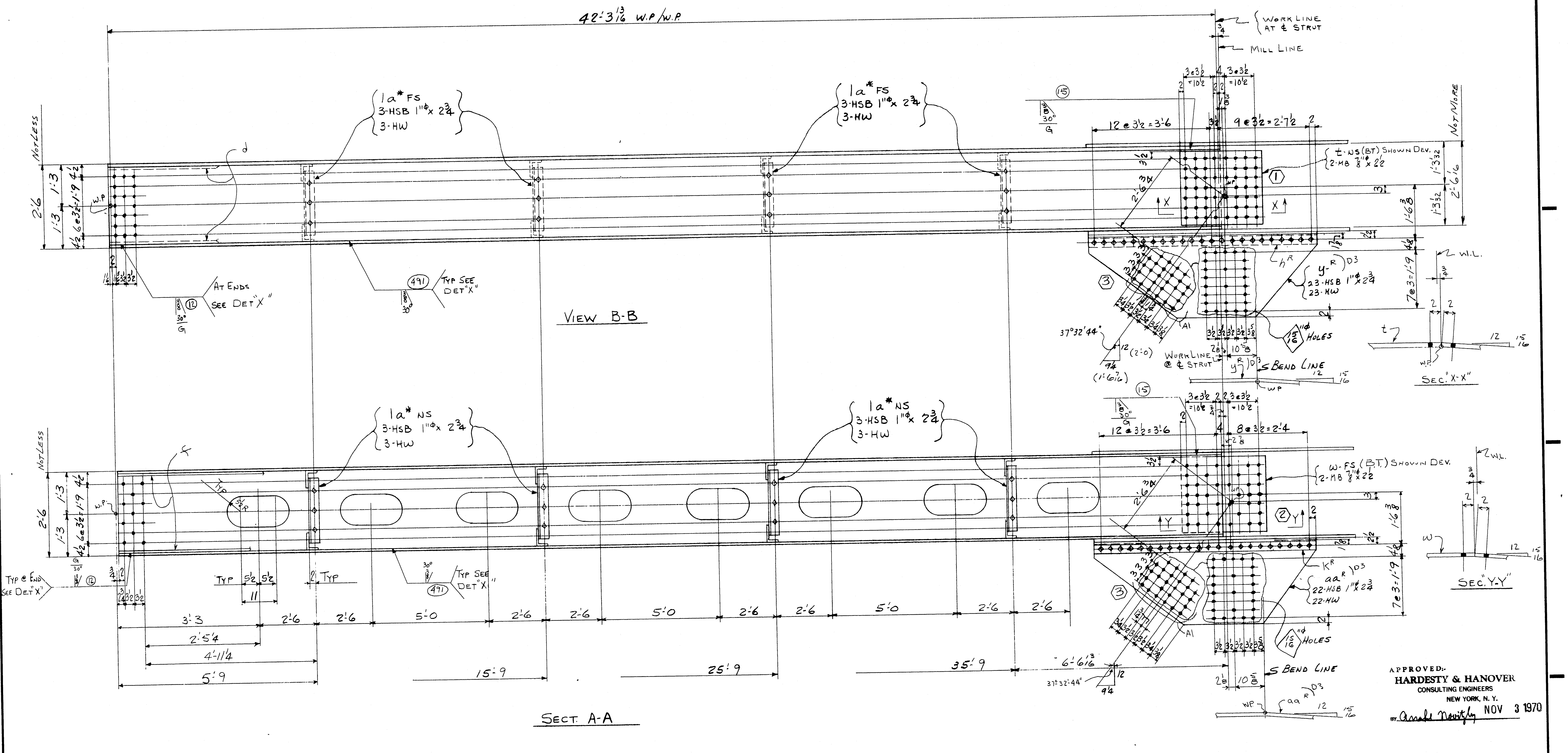
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM — CHICAGO WORKS
MADE BY SAK DATE — IN CHARGE L. GOTHBERG
CHECKED BY ALP DATE 3/17/70 SHOP NO.
CONTRACT CG6290-060 DRAWING NO. 269AC

For location of details shown on this sheet refer to diagrams.
E10

121-143
D2 NC TAPE



APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Assaf Novitzky NOV 3 1970

MIDDLE TRUSS CHORD AT POINT M14 TO M15

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

SEE SHEET 269CC

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
D3	10/28	RP
D2	7/27	LG
A1	3/30	2 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 #1-95-1(22)16, KITTERY, MAINE

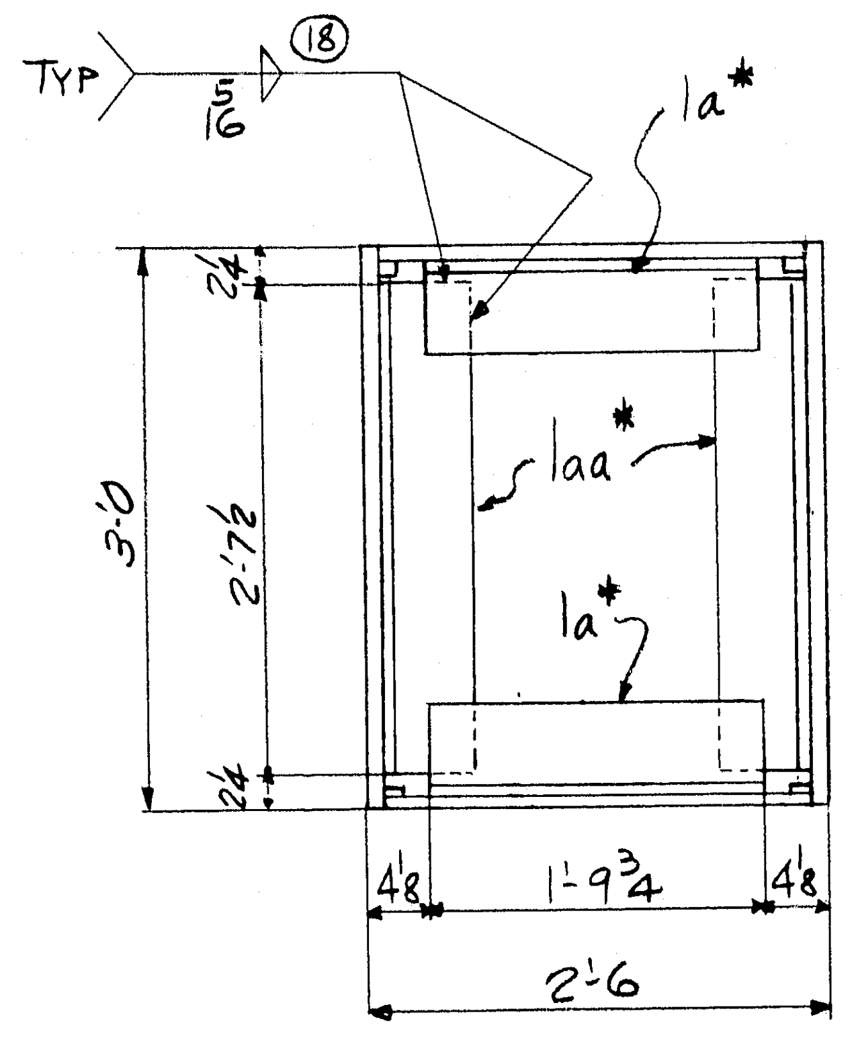
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY SAK DATE IN CHARGE L. GOTHBERG
CHECKED BY RP DATE 3/17/70 SHOP NO.
CONTRACT CG6290-060 DRAWING NO. 269BC

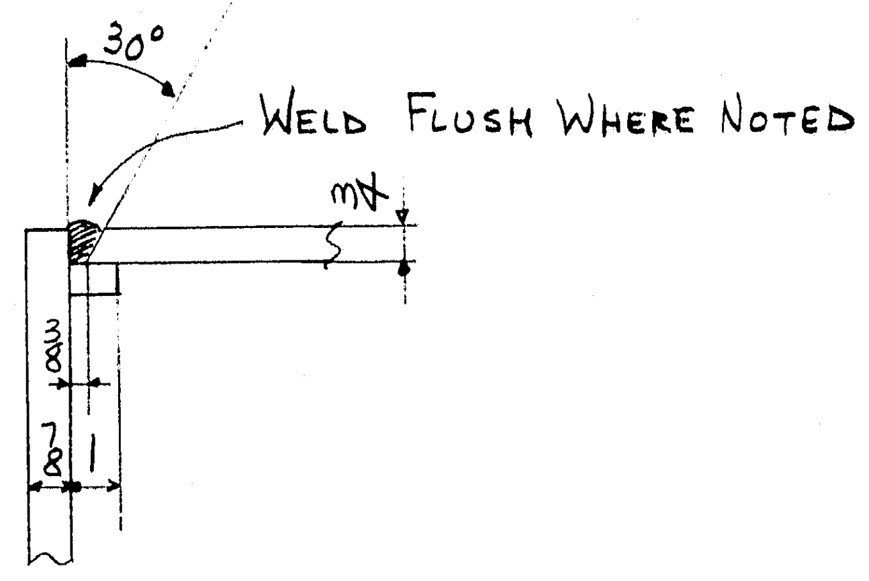
121-114 NC TAPE D2

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

E10



SEC "D-D"



DET "X" TYP @ CORNERS

(WELD DETAIL)

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Amikel Noortgh NOV 3 1970

		1	1	2	BOTT TRUSS MEMBER	269A^R	9'3 x 5'0 x 46'3
		1	1	2	do	269A^L	}
		M18	H18	NO.	DESCRIPTION	MARK	REMARKS
INST.					REQUIRED LIST		

LENGTH CORRECTED FOR TEMP.

ELECTRODES - E70XX
LOW HYDROGEN

NOTE: Shop Bolt Heads are to be
On Outside (Exposed) Surface

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.

E10

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		4-	BOTTOM	TRUSS	MEMBER				2-269A^R &	2-269A^L						
②	2	a	8	PL	36		7/8	42	5 1/4	M2E-T2W			42	7 1/4		143	1
Ⓜ	3	b	4	PL	27 1/2		3/4	42	5 1/4	M2E-T2W			42	7 1/4		143	2
Ⓜ	4	c	4	PL	27 1/2		3/4	42	2 5/16	M2E-T2W			42	7 1/4		143	2
	5	d	8	BR	1		5/8	43	5	BACK UP BAR						143	5
	6	f	8	BR	1		5/8	43	2	BACK UP BAR						143	5
	7	1a*	32	L	6	3 1/2	1/2	1	9 3/4							144	5
	8	1aa*	32	L	6	4	1/2	2	7 1/2							144	6
	9	g	8	PL	102 1/2		7/8	10	4				10	6		209	1
	10	h R/L	2/2	L	7	4	3/4	6	9	BENT			7	3		209	2
	11	k R/L	2/2	L	6	4	3/4	6	6	BENT			6	10		209	3
	12	m	8	L	3 1/2	3 1/2	1/2	4	4	)			4	7		209	4
	13	n	8	L	3 1/2	3 1/2	1/2	3	4	) A1						209	5
	14																
	15																
	16	t	4	PL	28		5/8	2	5	BENT						209	6
	17	w	4	PL	28		5/8	2	5	BENT						209	6
	18	y R/L	2/2	PL	29		5/8	6	9	BENT						209	7
	19	aa R/L	2/2	PL	29		5/8	6	6	BENT						209	8
	20																
	21	D3															

22		436	HSB	1			0	2 3/4							AM	26
23		680	HSB	1			0	3 1/4							AM	26
24		1116	HW	2	1 1/16	3/16										
25																
26		32	MB	7/8			0	2 1/4	RHH-RHN (S.B)						AM	27
27		16	MB	7/8			0	2 1/2	RHH-RHN (S.B)						AM	27
28		16	MB	7/8			0	3 3/4	RHH-RHN (S.B)						AM	27
29																
30	B30	4	WD			3/4	169	0								
31	FW	4	WD			5/16	24	0								
32																
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NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11x22" HOLES

MATERIAL ASTM-A36
~~[illegible]~~ BOLTS 1"ϕ U.N
OPEN HOLES 1 1/16"ϕ U.N
A325 FIELD BOLTS -
SHOP CONTACT SURFACES N.P.
WELDING: AS NOTED

PAINT 1-SHOP COAT RED LEAD AASHO-M72- TYPE II SEE NOTE "X"

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

MIDDLE TRUSS MEMBER AT POINT M14 TO M15

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
D3	10/28	RP
D2	7/27	LG
A1	3/30	RP

REVISION

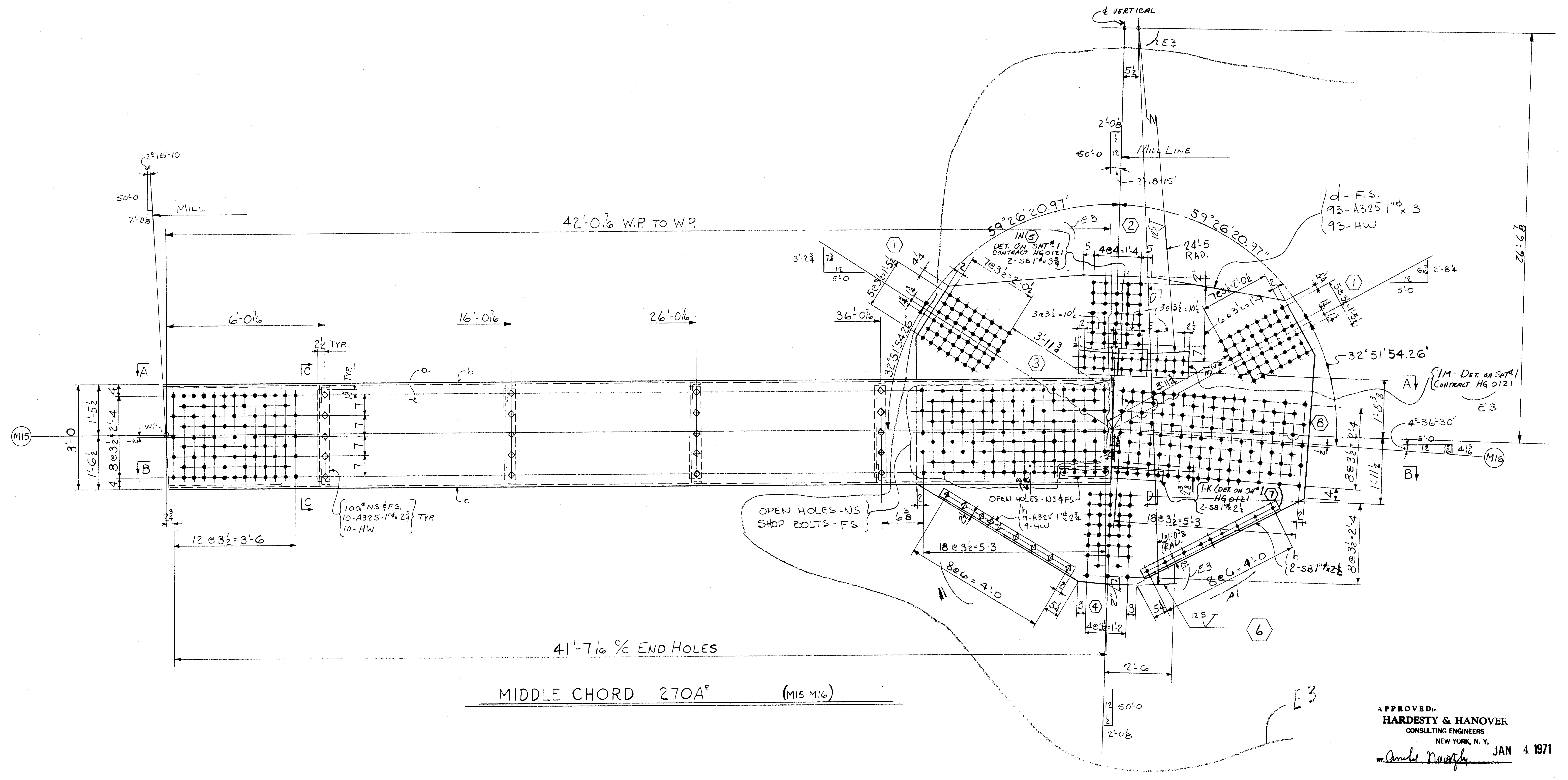
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY SAK DATE 2-24-70 IN CHARGE L. GOTMBERG
CHECKED BY RP DATE 3-17-70 SHOP NO.
CONTRACT C66290-060 DRAWING NO. 269CC.

35042 (Rev.8 8-69)

121-115 NC TAPE D2



MIDDLE CHORD 270A^R (M15-M16)

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Arnold Nowotzky JAN 4 1971

MIDDLE CHORD - M15 TO M16

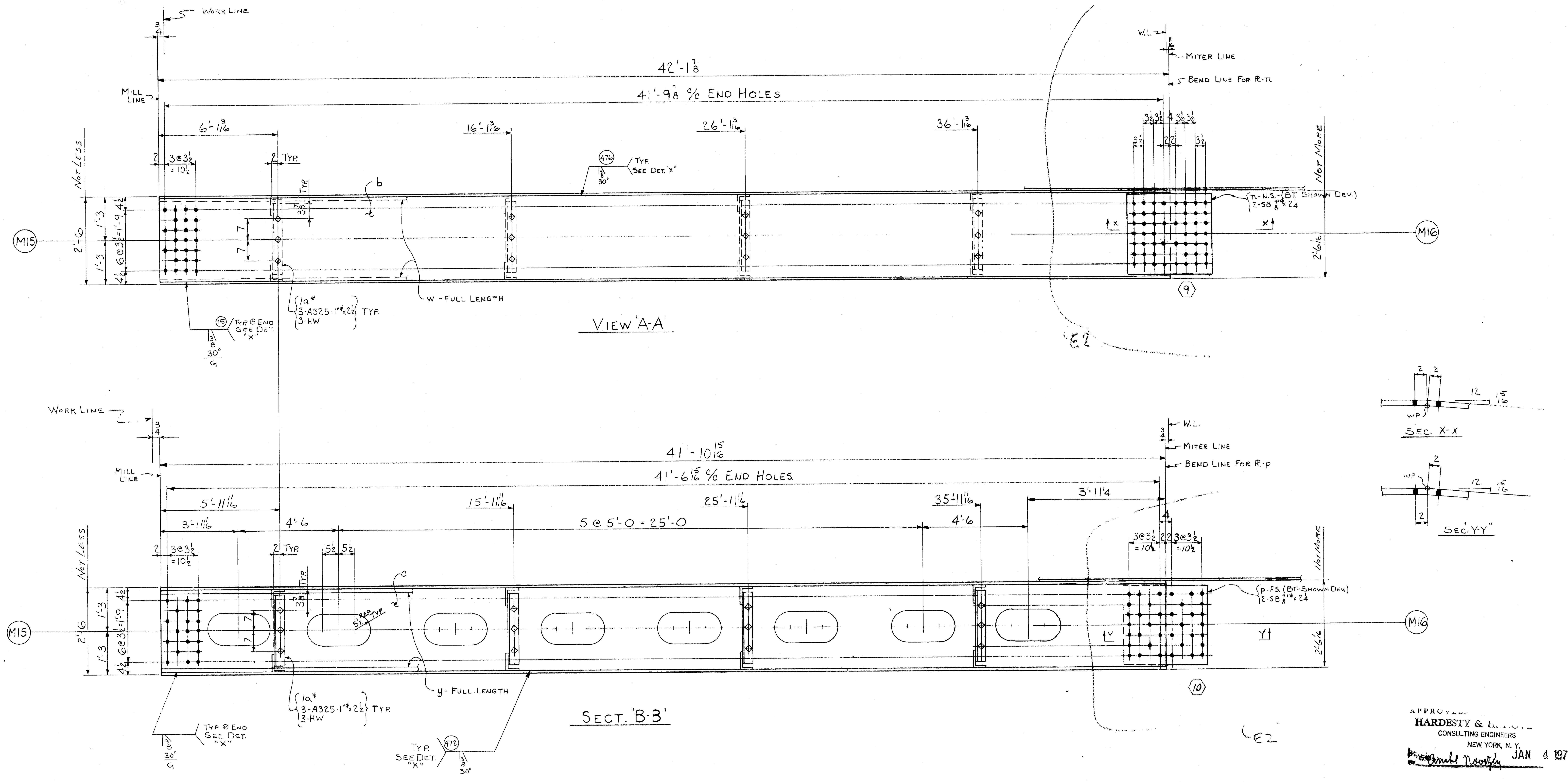
NO.	DATE	INIT.
E3	12/3	RP
D2	4/15	RP
A1	4/13	RP

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 KMG DATE 2-24-70 IN CHARGE LAG
CHECKED BY RP/LM DATE 3-20-70 12-18-70 SHOP NO.
CONTRACT CG6290-060 DRAWING NO. 270AC

For location of details shown on this sheet refer to diagrams.
E10

121-116 NC TAPE



APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
Arnold Noortzly JAN 4 1971

Middle Chord - M15 To M16

NO.	DATE	INIT.
E2	12/2	RP
E1	4/13	RP

REVISION

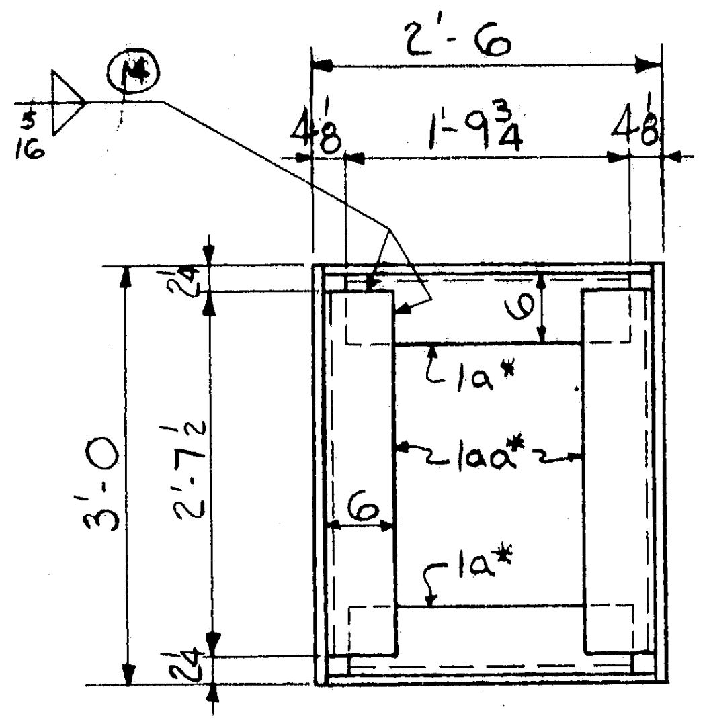
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY KMG DATE 2-25-70 IN CHARGE LAG
CHECKED BY RP DATE 3-20-70 SHOP NO.
KM 12-18-70
CONTRACT CG6290-060 DRAWING NO. 270BC

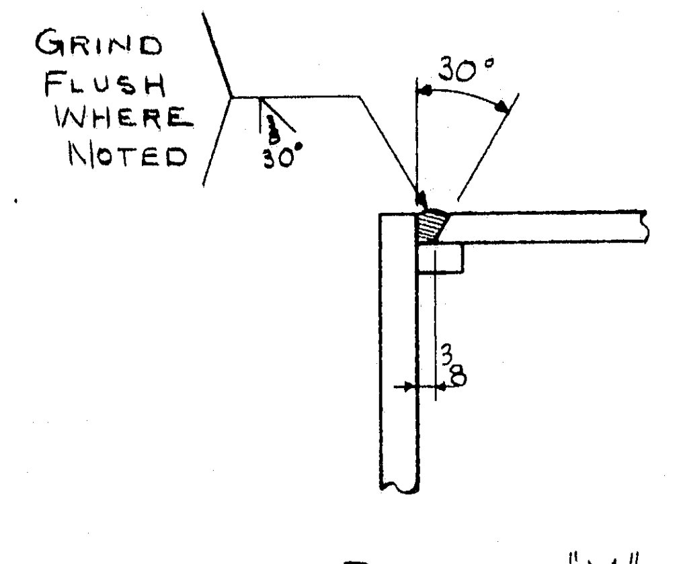
SUBMITTAL 1 2 3 4 5 6 7 8 9 0
DATE

For location of details shown on this sheet refer to diagrams.
E10

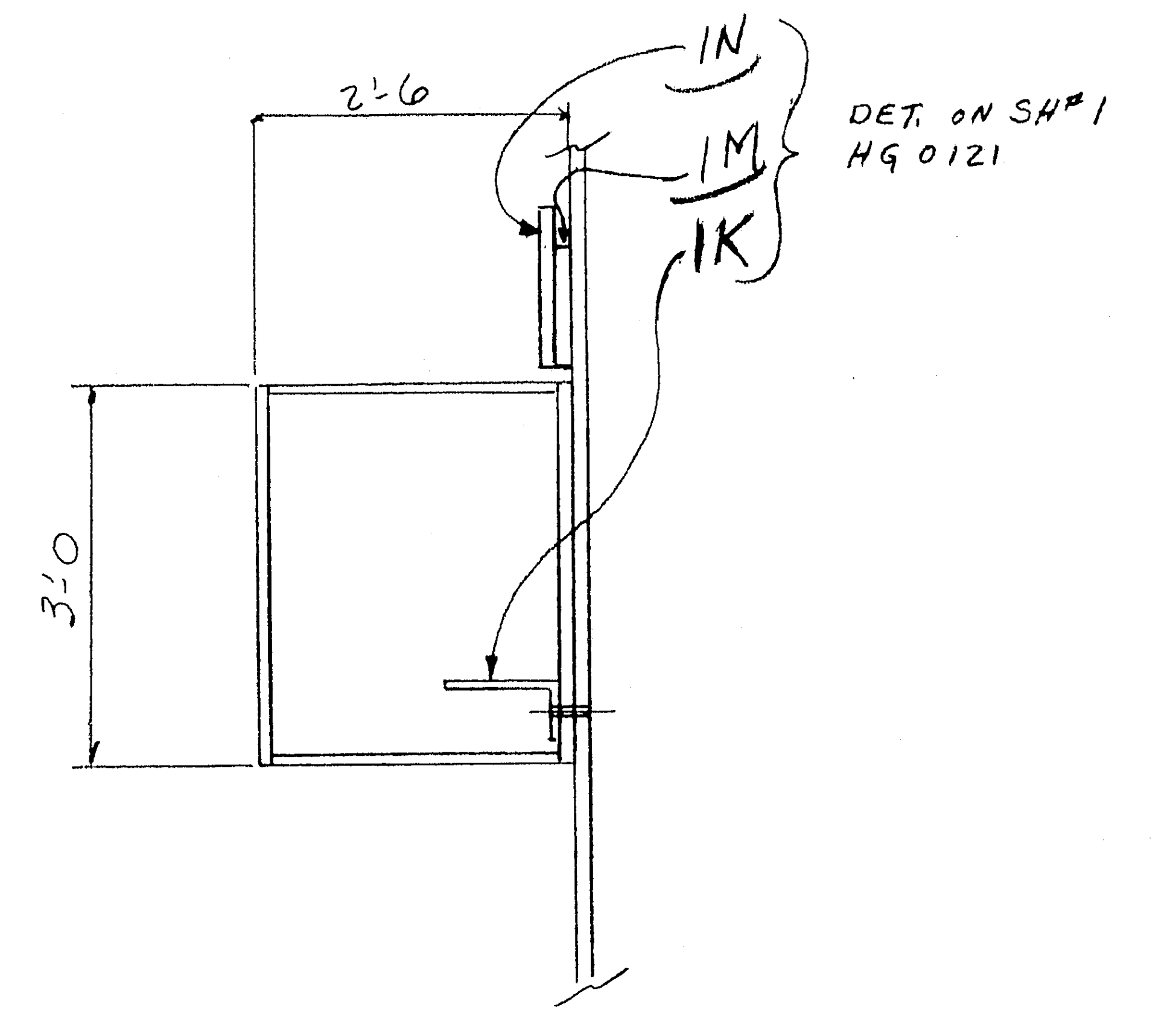
121-117 NC TAPE



SECT. "C-C"



DETAIL "X"



SEC "D-D"

E4

	a	b	c
a			
b			
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k			
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n			
p			
s			
t			
w			
y			

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

E10

E4

E4

SHOP BILL											MILL ORDER						
PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION			LENGTH		REMARKS E4	WIDTH	THICK	LENGTH		STOCK	ITEM	
					SIZE	SIZE OR POUNDS	THICK	FT.	IN.				FT.	IN.		PAGE	LINE
	1		2-MIDDLE CHORDS 1-270A^{8}, 1-270A^{6}														
②	2	a	4	PL	36		3/4	42	1 7/8	M2E-T2W						143	03
Ⓜ	3	b	2	PL	27 3/4		5/8	42	1 7/8	M2E-T2W						143	04
Ⓜ	4	c	2	PL	27 3/4		5/8	41	10 15/16	M2E-T2W						143	04
	5	d	2	PL	107 3/8		3/4	11	6							212	01
	6	1aa*	16	L	6	4	1/2	2	7 1/2							144	11
	7	1a*	16	L	6	3 1/2	1/2	1	9 3/4	A1						144	12
	8	h	4	L	4	4	1/2	4	4							212	04
	9	1M	2	PL	9		13/16	3	5	DET. ON SH# 1 HG 0121							
	10	1K	2	L	7	4	3/4	3	0 1/4								
	11	n	2	PL	28		5/8	2	5	BT.						212	05
	12	p	2	PL	28		5/8	2	5	BT.						212	05
	13	1N	2	PL	9		1	0	10 3/4	DET. ON SH# 1 HG 0121							
	14															212	03
	15	w	4	BR	1		5/8	43	2	BACK-UP BARS						143	06
	16	y	4	BR	1		5/8	42	11	BACK-UP BARS						143	06
	17																
	18	FW	2	WD			5/16	18	8								
	19	B30	2	WD			5/8	168	2								
	20		8	MB	7/8"φ			0	2 1/4	RHH RHN } SB							
	21		8	MB	1"φ			0	2 1/2	RHH RHN } SB							
	22		48	325	1"φ			0	2 1/2							AM	26
	23		98	325	1"φ			0	2 3/4							AM	26
	24	A1	186	325	1"φ			0	3							AM	26
	25	D2	332	HW	2"φ	1 1/16"φ	3/16										
	26		4	MB	1"φ			0	3 3/4	RHH RHN } SB							
	27																
	28																
	29																
	30																
	31																
	32																
	33																
	34																
	35																
	36																
	37																
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APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
JAN 4 1971

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11"x22" HAND HOLES

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES - E70XX
LOW HYDROGEN

NOTE: Length Corrected for Temperature

MIDDLE CHORD - M15 To M16

INST		REQUIRED LIST			
H20	M20	No	DESCRIPTION	MARK	REMARKS
1		1	MIDDLE CHORD	270A^{8}	8'-3x5'-0x47'-9
1		1		270A^{6}	Do.
					) E4

MATERIAL ASTM-A36
~~RIVETS OR~~ BOLTS 1"φ U.N.
OPEN HOLES 1 1/16"φ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES N.P.
WELDING AS NOTED
PAINT One Shop Coat Red Lead
AASHO - M72, Type II
See Note "X"

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
E4	12/2	RP
D3	5/25	RP
D2	4/11	RP
A1	1/13	[illegible]

REVISION

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

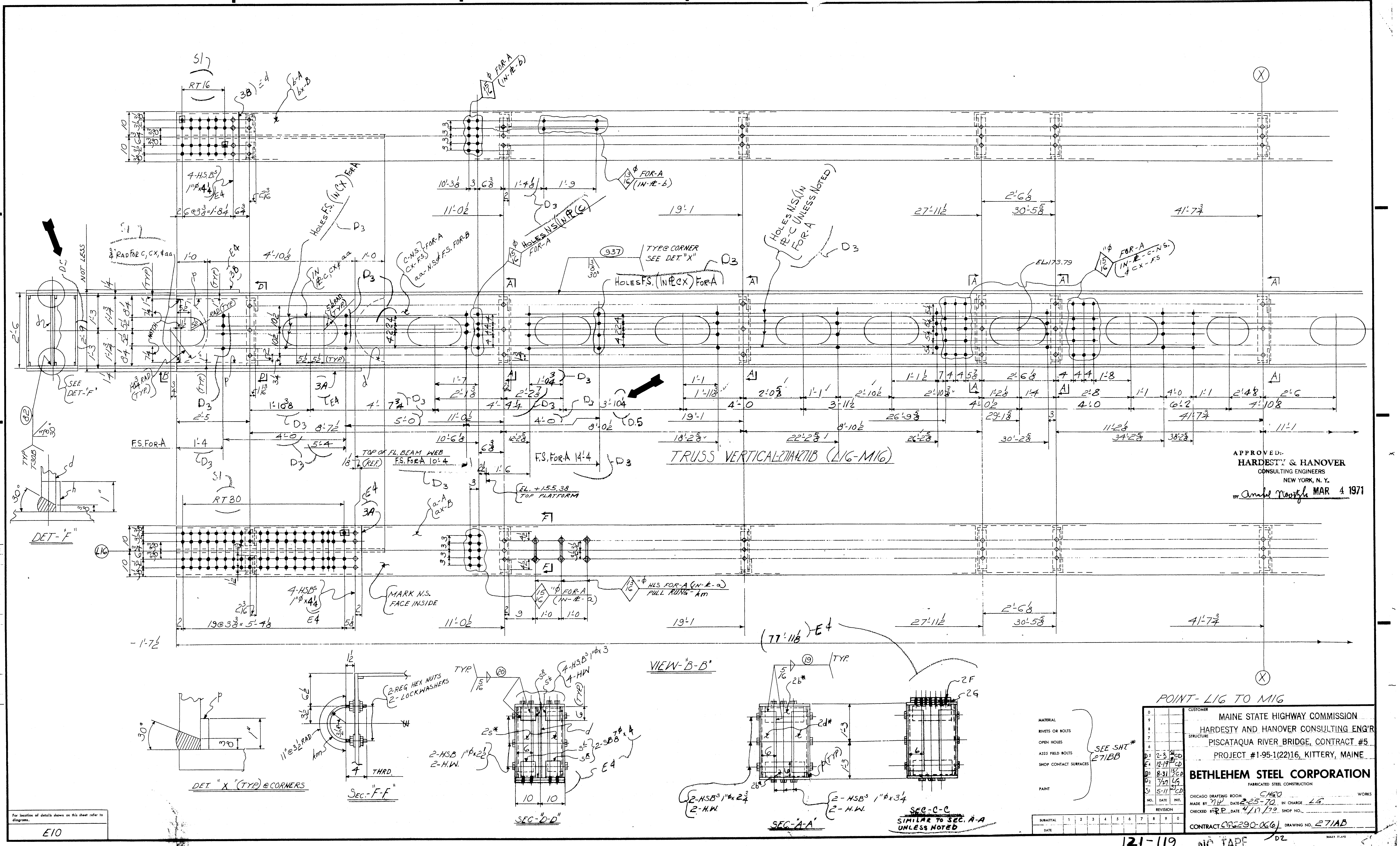
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY KMG DATE 2-25-70 IN CHARGE LAG
CHECKED BY RP / LM DATE 3-20-70 / 12-18-70 SHOP NO.
CONTRACT CG 6290-060 DRAWING NO. 270CC

35453 (Rev.D 8-69)

121-118 NC TAPE



SEE SHT.# 271BB

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

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Anabel Novitzke MAR 4 1971

NO.	DATE	INIT.
0		
9		
8		
7		
6		
D5	2-3	21/8 CD
E4	12-19	CD
D3	8-31	15/CD
D2	7/27	LG
S1	5-11	CD

REVISION

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

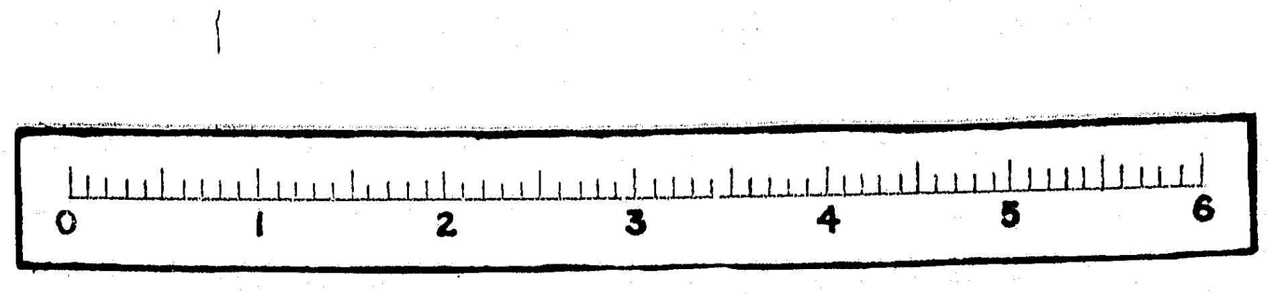
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

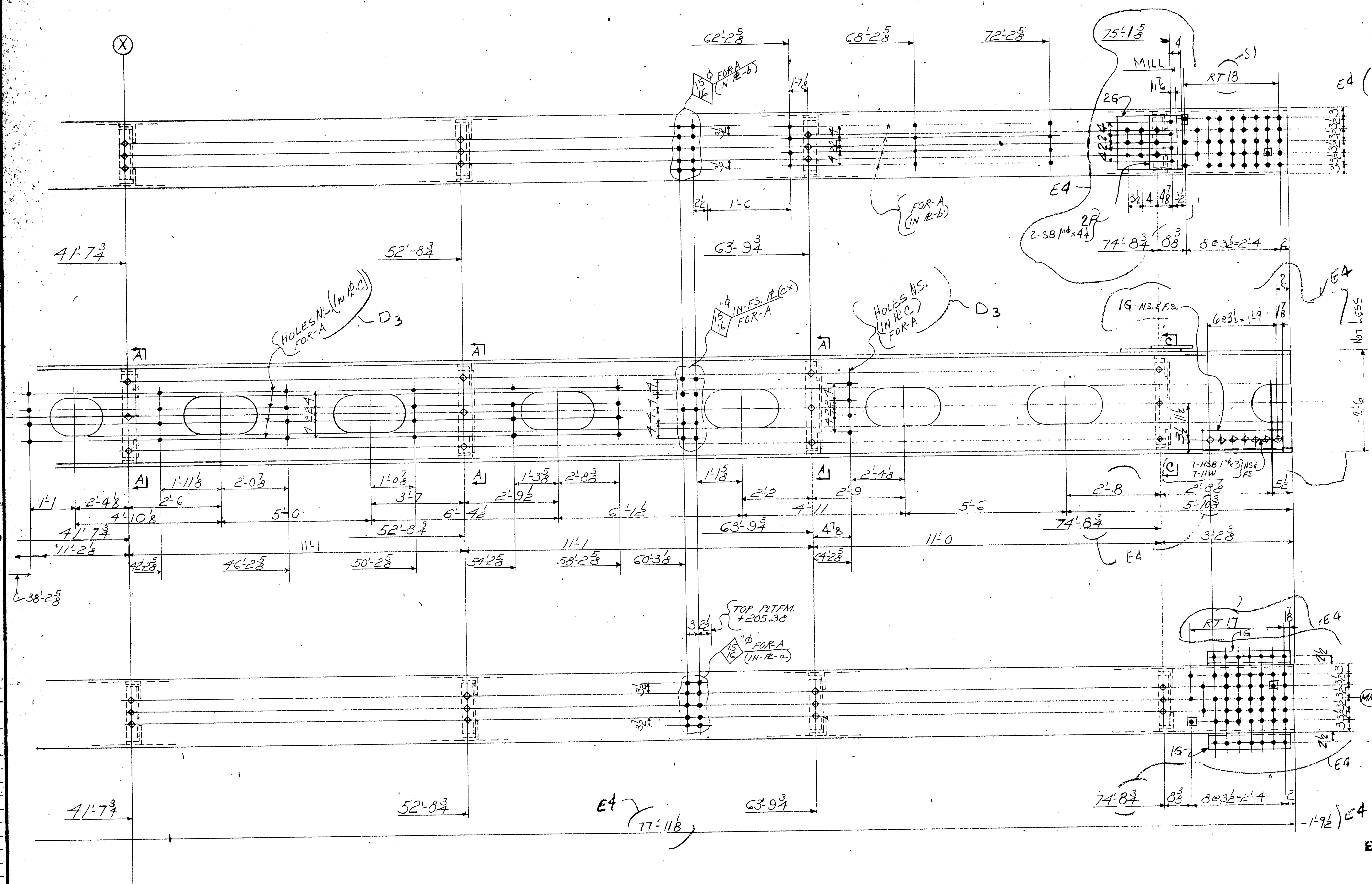
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO WORKS
MADE BY NP DATE 2-25-70 IN CHARGE LG
CHECKED BY RP DATE 4/17/70 SHOP NO.
CONTRACT CG6290-066 DRAWING NO. 271AB

For location of details shown on this sheet refer to diagrams.
E10

121-119 NO TAPE D2





PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT	LENGTH IN	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT	MILL ORDER LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1		2-VERTICALS 1-271A & 1-271B							E4							
②	2	a	1	PL	20		1 1/4	77	11 1/8	A T2W						204	05
②	3	b	1	PL	20		1 1/4	77	11 1/8	A T2W						204	05
Ⓜ	4	c	1	PL	26 3/4		3/4	77	11 1/8	T2W A						204	06
	5	d	2	PL	26 3/4		3/4	6	10 1/8	T2W						156	07
	6	3B	2	PL	20		1 1/2	2	0 1/4	FILL DET. ON SHT. 3-UNDER HG0121						222	01
	7	3A	2	PL	20		1 1/2	6	1 1/4	FILL						222	02
	8	h	4	BR	1		5/8	7	10 1/8	BACKUP BAR						156	08
	9	2s*	4	L	6	3 1/2	3/8	2	1							206	12
	10	2b*	32	L	6	3 1/2	1/2	1	4	E5						206	01 09
	11	p	8	BR	1		5/8	78	11 1/8	BACKUP BAR			78'	11 1/8		205	03
	12	SR SL	4/4	L	6	4	3/8	0	6 3/4							206	11
	13																
	14	2d#	32	L	6	4	1/2	2	0 1/2	E5						206	02 10
②	15	ax	1	PL	20		1 1/4	77	11 1/8	B T2W			77'	11 1/8		204	05
②	16	bx	1	PL	20		1 1/4	77	11 1/8	B T2W			do			204	05
	17		4	MB	7/8φ			0	4	RHH RHN SB						AM40	
	18		96	325	1"φ			0	2 3/4							AM30	
	19		12	325	1"φ			0	2 1/2	E4						AM30	
	20		16	325	1"φ			0	4 1/4							AM38	
	21		36	325	1"φ			0	3							AM30 & 38	
	22	E4	90	325	1"φ			0	3 1/4							AM30	
	23		250	HW	2	1 1/16	3/16			E5						AM30 & 38	
Ⓜ	24	cx	1	PL	26 3/4		3/4	77	11 1/8	A-T2W						204	06
Ⓜ	25	aa	2	PL	26 3/4		3/4	77	11 1/8	B-T2W			do			204	06
	26	E5															
	27	T30B	2	WD			3/4	13	9								
	28	FW	2	WD			5/16	57	4								
	29	B30	2	WD			3/4	312	4								
	30																
	31	km	3	RD	3/4φ			1	7	A (BENT)							
	32		12	M	3/4φ	TAP REG HEX NUT				A							
	33		12	M	3/4φ	LOCKWASHER				A							
	34									E4							
	35	1G	4	L	6	4	3/4	2	0 3/4	DET. ON SHT 1 HG 0121							
	36	2G	2	PL	15 5/8		1 3/16	1	4	DET. ON SHT. 2 UNDE HG0121							
	37	2F	2	PL	10 7/8		1	1	4								
	38		4	MB	1"φ			0	4 1/4	RHH, RHN (SB)						AM 39	

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
JAN 11 1971
BY Amfil Novitzky

ELECTRODES - E70XX
LOW HYDROGEN

NOTE: Length Corrected for Temperature

MAT'L PREFIXED WITH THE LETTER "K" TO BE A588 STEEL, ALL OTHER TO BE A.S.T.M.-A36

PT-L16 TO M16

MATERIAL
BOLTS 1"φ
OPEN HOLES - 1 1/16"φ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES - N.P.
WELDING - AS NOTED
PAINT - 1-CT. RED LEAD AASHO-M72 TYPE II (SEE NOTE "X")

NO	DATE	INIT.
0		
9		
8		
7		
6		
E5	12/28	RP
E4	12/19	LP
D3	8/31	CAD
D2	7/27	LG
S1	5-4	CD

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 NO DATE 2-26-70 IN CHARGE L.G.
CHECKED BY RP DATE 4-17-70 SHOP NO.
CONTRACT CGC290-066 DRAWING NO. 271BB

D2

35453 (Rev.D 8-69)

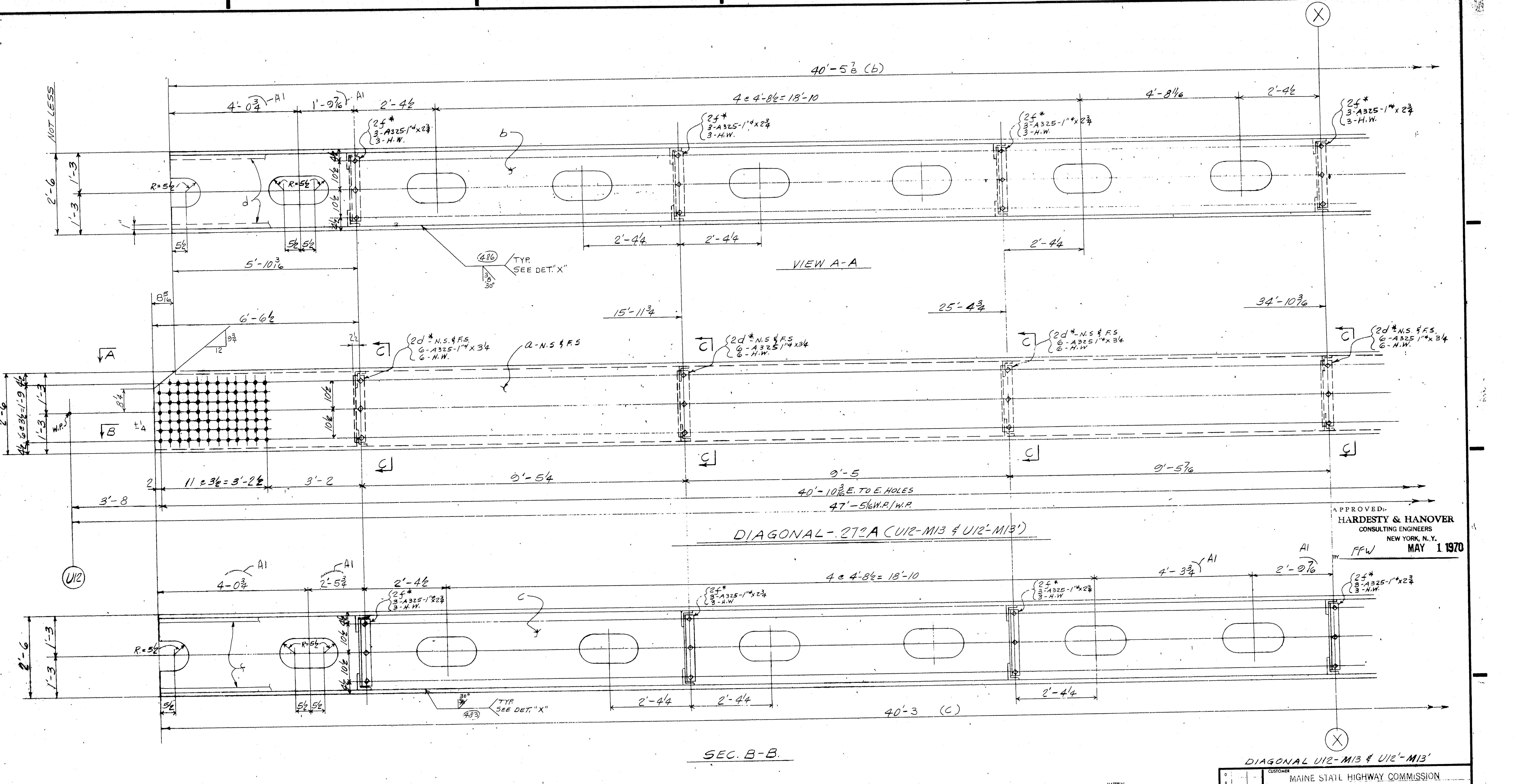
121-120 NC TAPE

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

				NO.	DESCRIPTION	MARK	REMARKS
					E4		
			1	1	VERT 2'-8x2'-10x78'-0	271B	
			1	1	VERT 2'-8x2'-10x78'-0	271A	
			H20	NO.	DESCRIPTION	MARK	REMARKS
INST.					REQUIRED LIST		

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 22 x 11 PERFORATION

E10



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HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY FFW MAY 1 1970

DIAGONAL U12-M13 & U12'-M13'

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

NO.	DATE	INIT.
A1	4-24	6/8

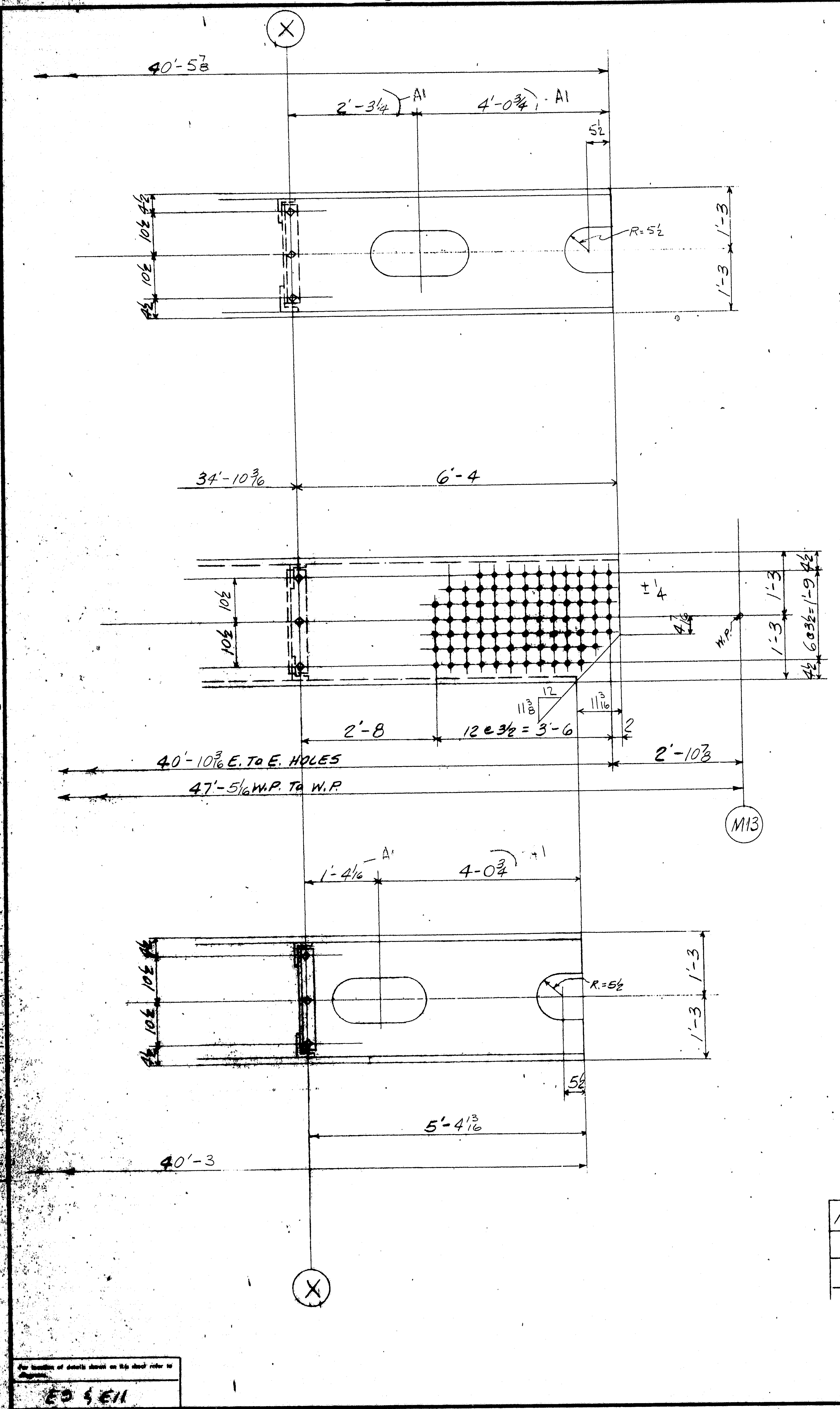
REVISION

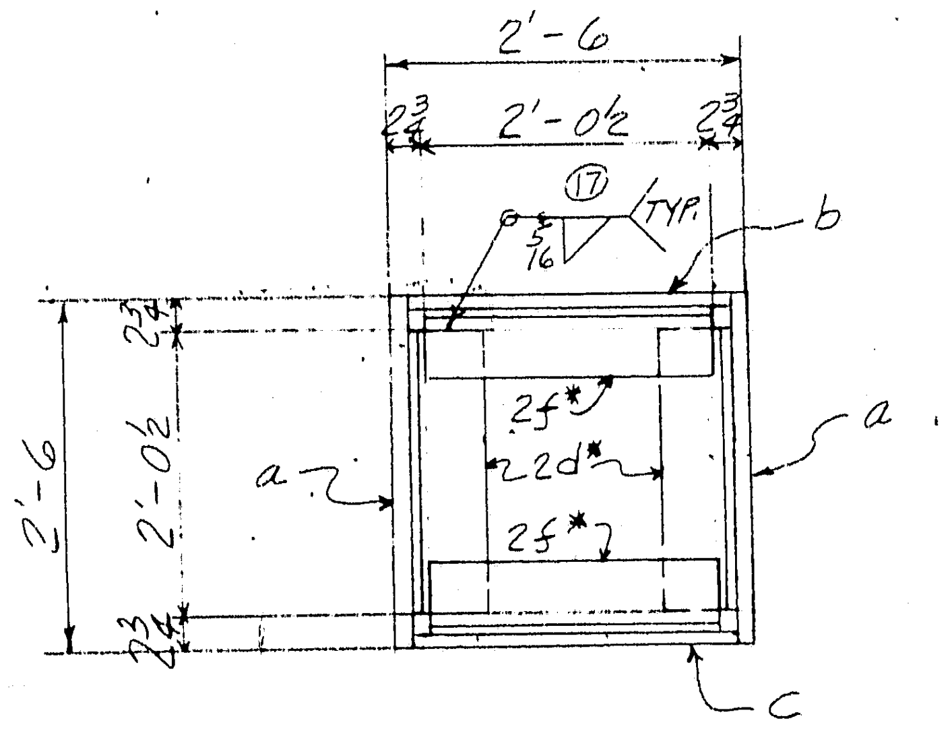
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

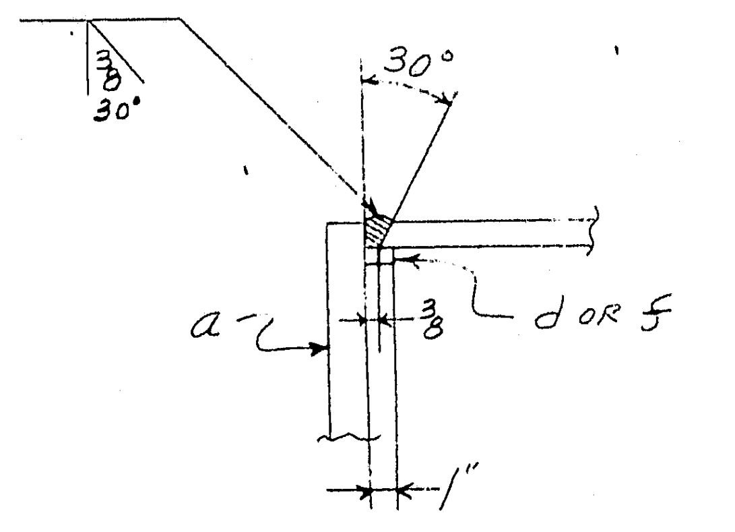
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY J.A.L. DATE 2-24-70 IN CHARGE L.G.
CHECKED BY 8 DATE 3-13-70 SHOP NO.
CONTRACT CG6290-062 DRAWING NO. 272AB

121-121 NC TAPE





SEC. C-C



DETAIL "X" (TYP.)

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1	4-DIAGONALS-272 A															
2	2	a	8	PL	30		1 1/4	41	2 3/16				41	6		185	5
M	3	b	4	PL	26 3/4		3/4	40	5 7/8	T2W			41	6		185	6
M	4	c	4	PL	26 3/4		3/4	40	3	T2W			41	6		185	6
	5	d	8	BR	1		5/8	41	5 7/8	BACK UP BARS			42	6		186	3
	6	f	8	BR	1		5/8	41	3	BACK UP BARS			42	6		186	3
	7	2d*	32	L	6	4	1/2	2	0 1/2				2	3		187	5
	8	2f*	32	L	6	3 1/2	1/2	2	0 1/2				2	2		187	6
	9																
	10																
	11	FW	4	WD			5/16	22	8								
	12	B30	4	WD			3/4	161	6								
	13																
	14																
	15		96	325	1"φ			0	3 1/4							AM26	
	16		96	325	1"φ			0	2 3/4							AM26	
	17		192	H.W.	2"φ	1 1/16"φ	3/16										
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	19																
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APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
MAY 1 1970
BY FFW

ELECTRODES - E70XX
LOW HYDROGEN

LENGTH CORR. FOR TEMP.

DIAGONAL (U12-M13 & U12'-M13')

INSTALLMENT		REQUIRED LIST			
H15	M15	QTY.	MARK	DESCRIPTION	REMARKS
2	2	4	272A	DIAGONAL	2'-6×2'-6×41'-2

NOTE X
... sides of material adjacent ... all open holes must be free ... burrs, loose scale, and paint for a distance of 3" from the group of ~~holes~~, EXCEPT 11"×22" HOLES

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

MATERIAL A.S.T.M.-A36
BOLTS 1"φ
OPEN HOLES 1 1/16"φ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING - AS NOTED
PAINT 1-CT. RED LEAD AASHO-M72, TYPE II U.N. SEE NOTE "X"

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

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
A1	4-24	4/8J

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

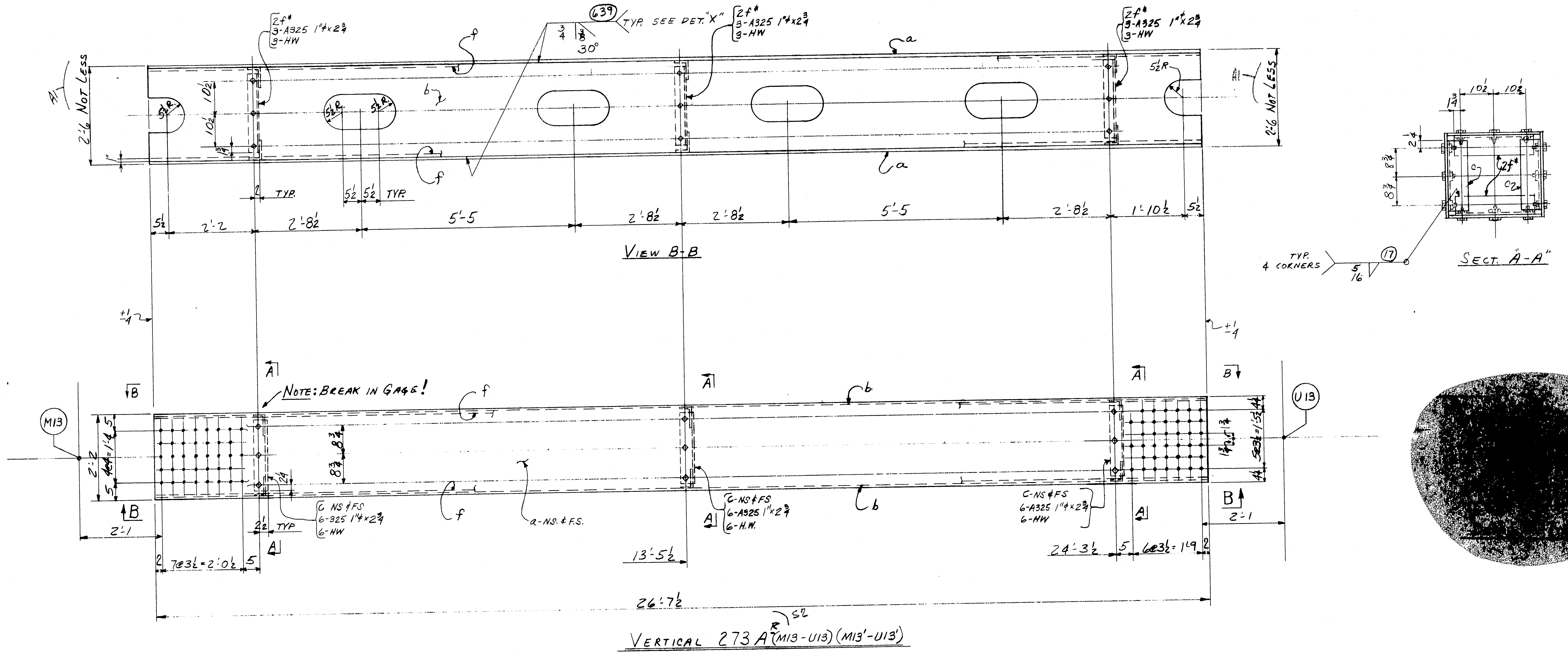
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY J.A.L. DATE 2-24-70 IN CHARGE L.G.
CHECKED BY BJ DATE 3-13-70 SHOP NO.
CONTRACT CG 6290-062 DRAWING NO. 272 BB

For location of details shown on this sheet refer to diagram.
E3 & E11

121-122

NC TAPE



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

E9 & E11

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		3	VERTICALS – 2-273A^{R} & 1-273A^{L} 52													
Q	2	a	6	PL	26		3/4	26	7½	T2W			26	11		192	05
M	3	b	6	PL	27¾		3/4	26	7½	T2W			26	11		192	06
	4	c	18	L	6	4	½	1	10							194	05
	5	2f*	18	L	6	3½	½	2	0½							194	06
	6	f	12	BR	1		5/8	27	7½				27	9		193	03
	7																
	8																
	9		108	325	1"⌀			0	2¾							AM	26
	10		108	HW	2	1 1/16	3/16									AM	26
	11																
	12	B30	3	WD			3/4	106	6								
	13	FW	3	WD			5/16	17	0								
	14																
	15																
	16		52														

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES - E70XX LOW HYDROGEN

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT PERFORATIONS

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NEW YORK, N. Y.
BY PFW MAR 16 1971

52

		1			VERTICAL	273A^{L}	
		1	1	2	VERTICAL 2'-6×26×26'-7½	273A^{R}	
		H15	M15	NO.	DESCRIPTION	MARK	REMARKS
INST.					REQUIRED LIST		

NOTE: Length Corrected for Temperature

VERTICALS (U13-M13) (U13'-M13')

MATERIAL ASTM - A36
~~RIVETS OR~~ BOLTS 1"⌀
OPEN HOLES 1 1/16"⌀
A325 FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING – AS NOTED
PAINT One Shop Coat Red Lead AASHO - M72, Type II See Note "X"

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

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
52	3/8	4/69
41	4-23	8

REVISION

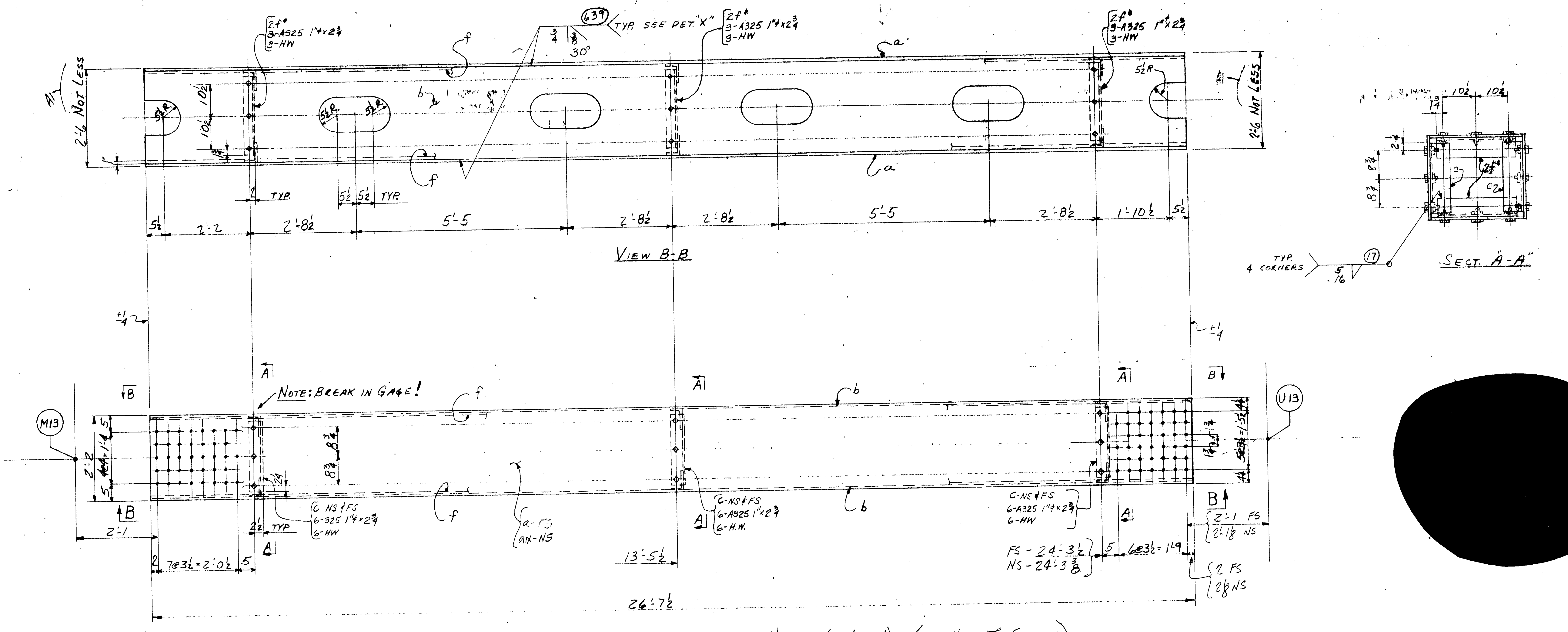
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY CPM DATE 2-25-70 IN CHARGE L.A. GOTHBERG
CHECKED BY 8 DATE 3-11-70 SHOP NO.
CONTRACT C66290-063 DRAWING NO. 273

35042 (Rev.E 8-69)

121-123 NC TAPE



VERTICAL 273AX^L (M13'-U13') (OPP. HAND TO SKETCH)

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

E9 & E11

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

PRODUCT TYPE	LINE	SHOP BILL ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		1	VERTICALS	273AX^L												
②	2	a	1	PL	26		3/4	26	7½	T2W			26	11		192	05
Ⓜ	3	b	2	PL	27¾		3/4	26	7½	T2W			26	11		192	06
	4	c	6	L	6	4	½	1	10							194	05
	5	2f*	6	L	6	3½	½	2	0½							194	06
	6	f	4	BR	1		5/8	27	7½				27	9		193	03
②	7	ax	1	PL	26		3/4	26	7½	T2W							
	8																
	9		36	325	1"ø			0	2¾							AM	26
	10		36	HW	2	1 1/16	3/16									AM	26
	11																
	12	B30	1	WD			3/4	106	6								
	13	FW	1	WD			5/16	17	0								
	14																
	15																
	16																
	17																
	18																
	19																
	20																
	21																

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES - E70XX LOW HYDROGEN

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT PERFORATIONS

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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW MAR 16 1971

			1	1	VERTICAL 2'-~~6~~×26'-7½	273AX^L	(#4)
			M15	NO.	DESCRIPTION	MARK	REMARKS
INST.				REQUIRED LIST			

NOTE: Length Corrected for Temperature

VERTICALS (U13-M13) (U13'-M13')

MATERIAL ASTM - A36
~~RIVETS OR~~ BOLTS 1"ø
OPEN HOLES 1 1/16"ø
A325 FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING - AS NOTED
PAINT One Shop Coat Red Lead AASHO - M72, Type II See Note "X"

NO.	DATE	INIT.
0		
9		
8		
7		
6		
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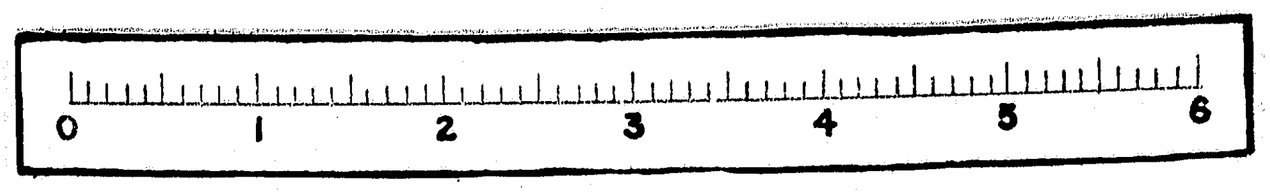
4		
3		
2		
1	4-23	2/8
REVISION		

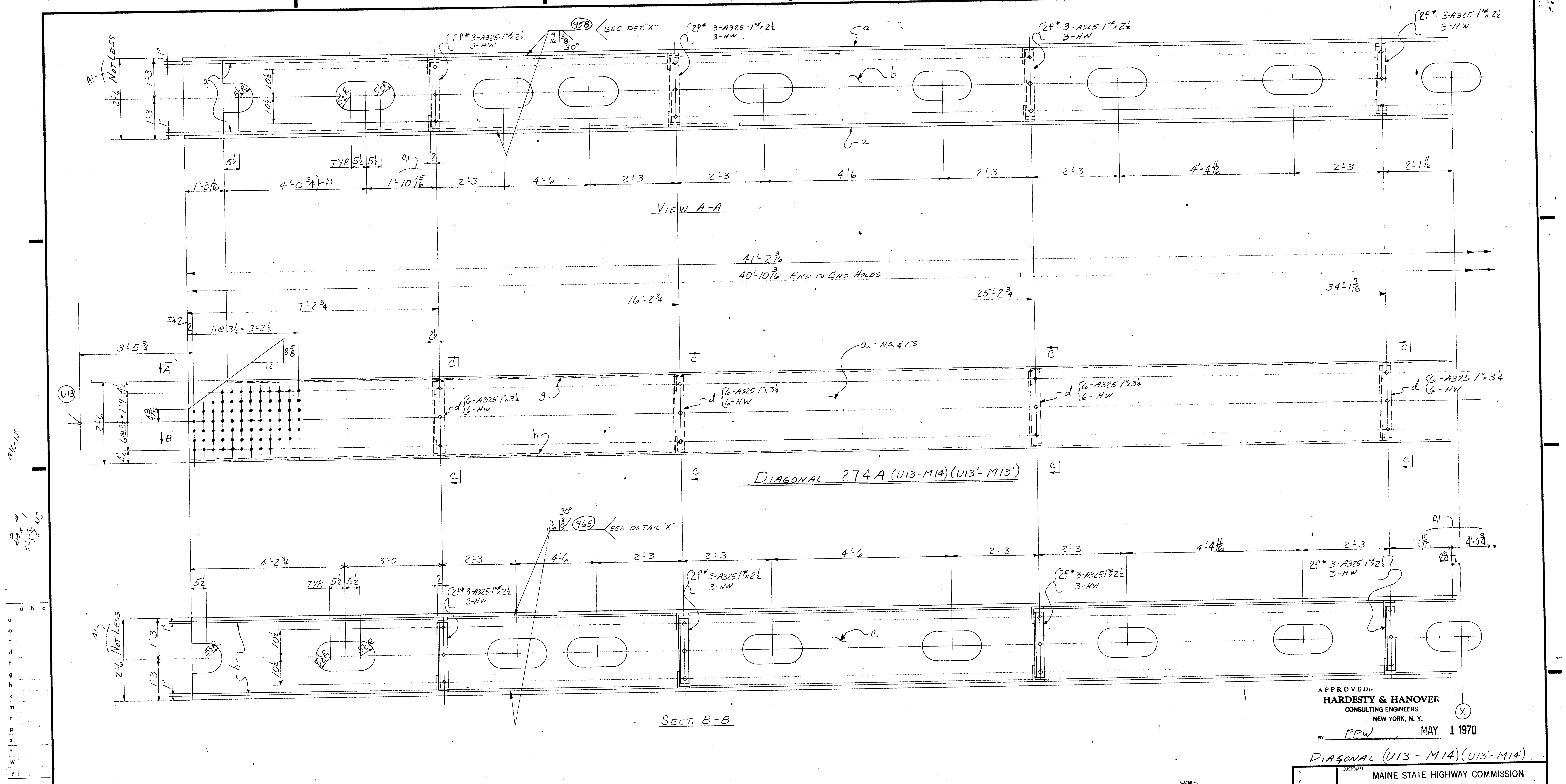
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 CPM DATE 2-25-70 IN CHARGE L.A. [illegible]
CHECKED BY B DATE 3-11-70 SHOP NO.
CONTRACT C66290-063 DRAWING NO. 273X

121-124 NC TAPE





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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW MAY 1 1970

DIAGONAL (U13 - M14)(U13'-M14')

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

NO.	DATE	INIT.
A1	4-23	5/81

REVISION

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

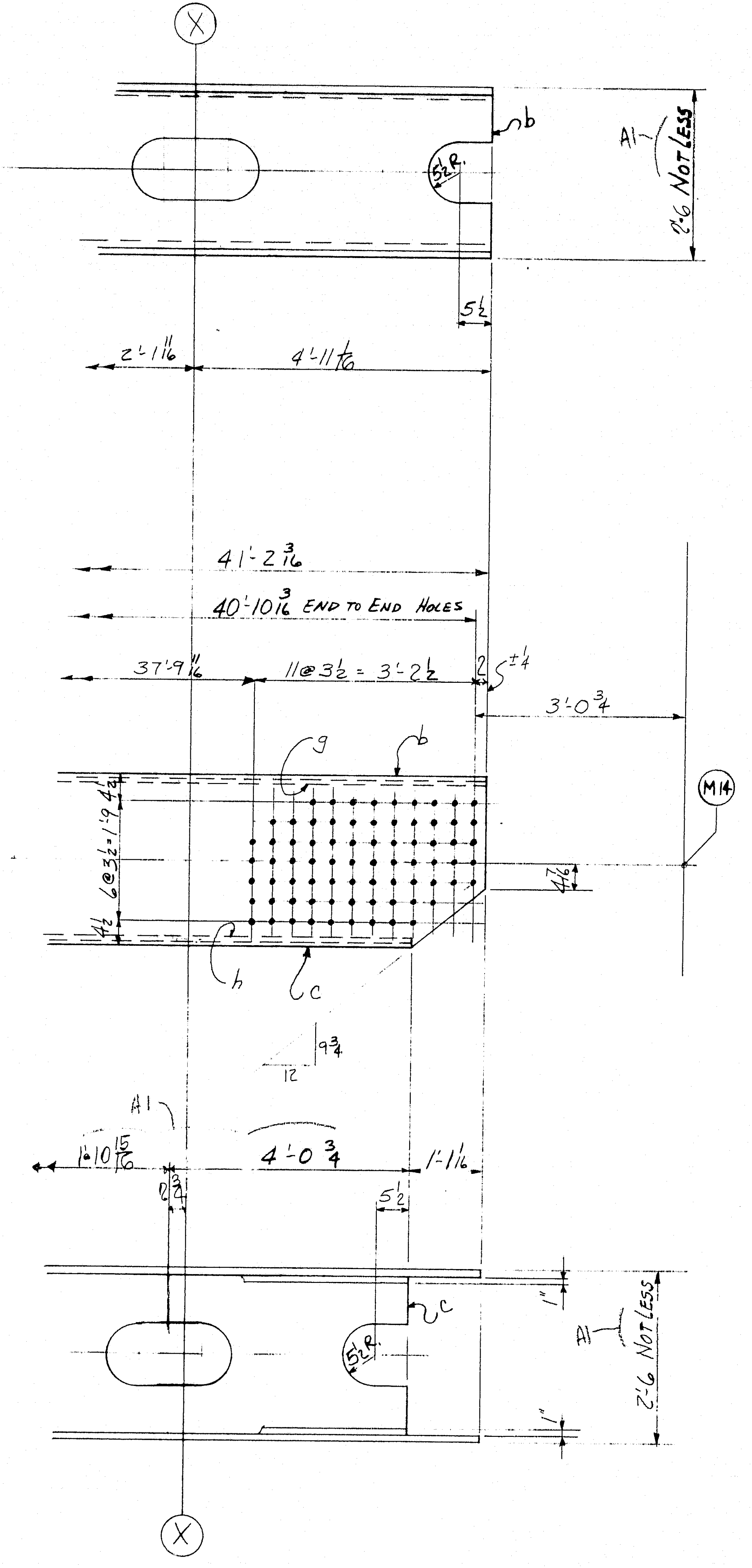
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

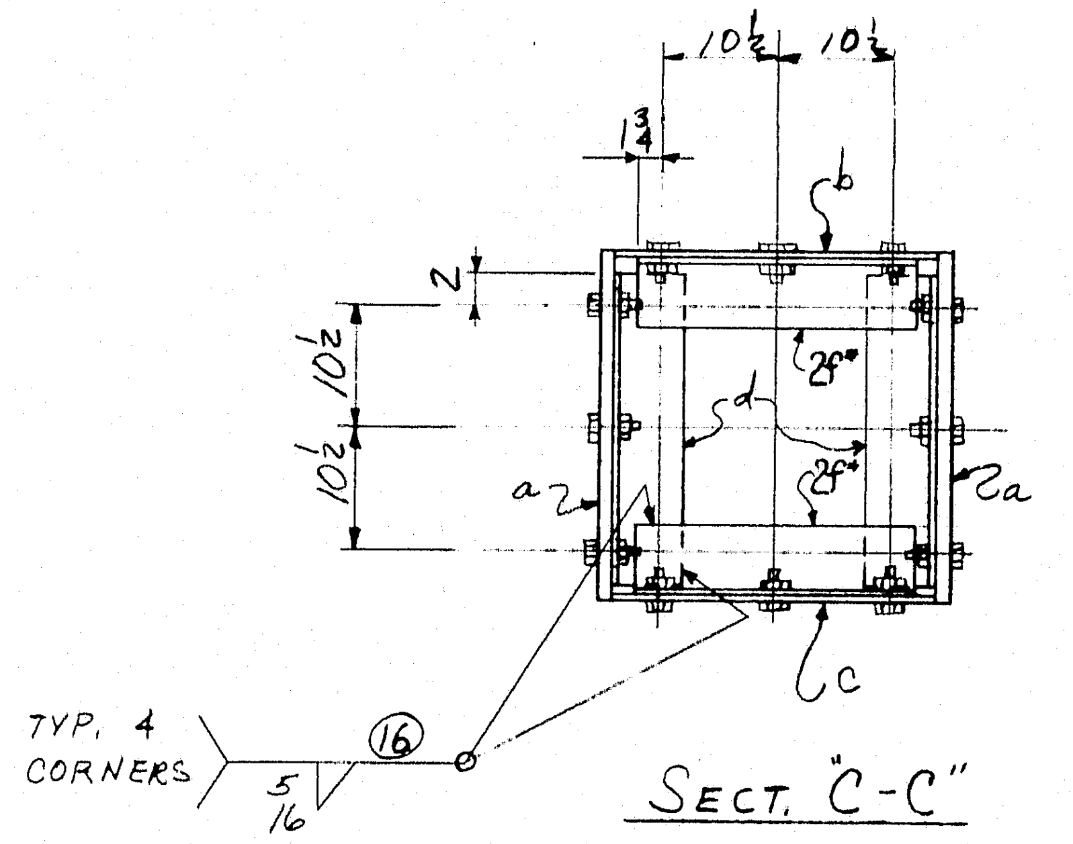
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

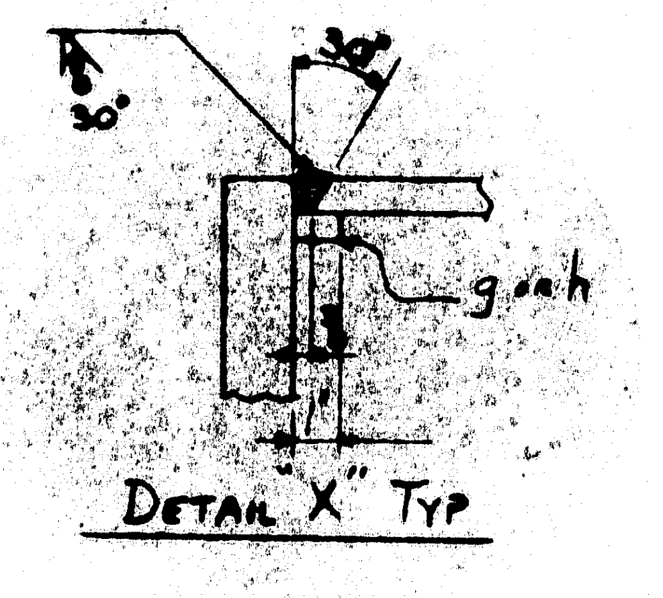
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY CPM DATE 2-26-70 IN CHARGE L.A. GOTHBERG
CHECKED BY DATE 3-13-70 SHOP NO.
CONTRACT CG 6290-062 DRAWING NO. 274AB

NC TAPE 121-125

For location of details shown on this sheet refer to diagrams.
E9 & E11







PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1		3 - DIAGONAL 274A														
②	2	a	6	PL	30		1¼	41	2 3/16	2TW			41	6		188	01
Ⓜ	3	b	3	PL	26¾		9/16	39	11⅛	2TW			41	6		188	02
Ⓜ	4	c	3	PL	26¾		9/16	40	1⅛	2TW			41	6		188	02
	5	d	24	L	6	4	½	2	1							189	01
	6	2f*	24	L	6	3½	½	2	0½							189	02
	7	g	6	BR	1		5/8	40	11⅛	BACKUP BAR			42	6		186	04
	8	h	6	BR	1		5/8	41	1⅛	BACKUP BAR			42	6		186	04
	9																
	10	FW	3	WD			5/16	21	4								
	11	B30	3	WD			9/16	160	4								
	12																
	13																
	14		72	325	1"φ			0	2½							AM	26
	15		72	325	1"φ			0	3¼							AM	26
	16		144	HW	2	1 1/16	3/16									AM	26
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S2 (lines 1–16)

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW MAR 31 1971

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b			
c			
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k			
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p			
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t			
w			
y			

S2

	2	1	3	DIAGONAL	274A	2'-6×30×41'-2
	H17	M17	NO.	DESCRIPTION	MARK	REMARKS
INST.			REQUIRED LIST			

For location of details shown on this sheet refer to diagrams.
E9 & E11

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES - E70XX
LOW HYDROGEN

NOTE: Length Corrected for Temperature

~~One Shop Coat Red Lead~~
~~AASHO - M72, Type B~~
~~See Note "X"~~

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT FOR PERFORATIONS

MATERIAL ASTM A36
~~RIVETS OR~~ BOLTS 1"φ
OPEN HOLES 1 1/16"φ V.N
A325 FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING: AS NOTED
PAINT One Shop Coat Red Lead
AASHO - M72, Type II
See Note "X"

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

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
S2	3-18-71	LM
1	3-24	3/9
REVISION		

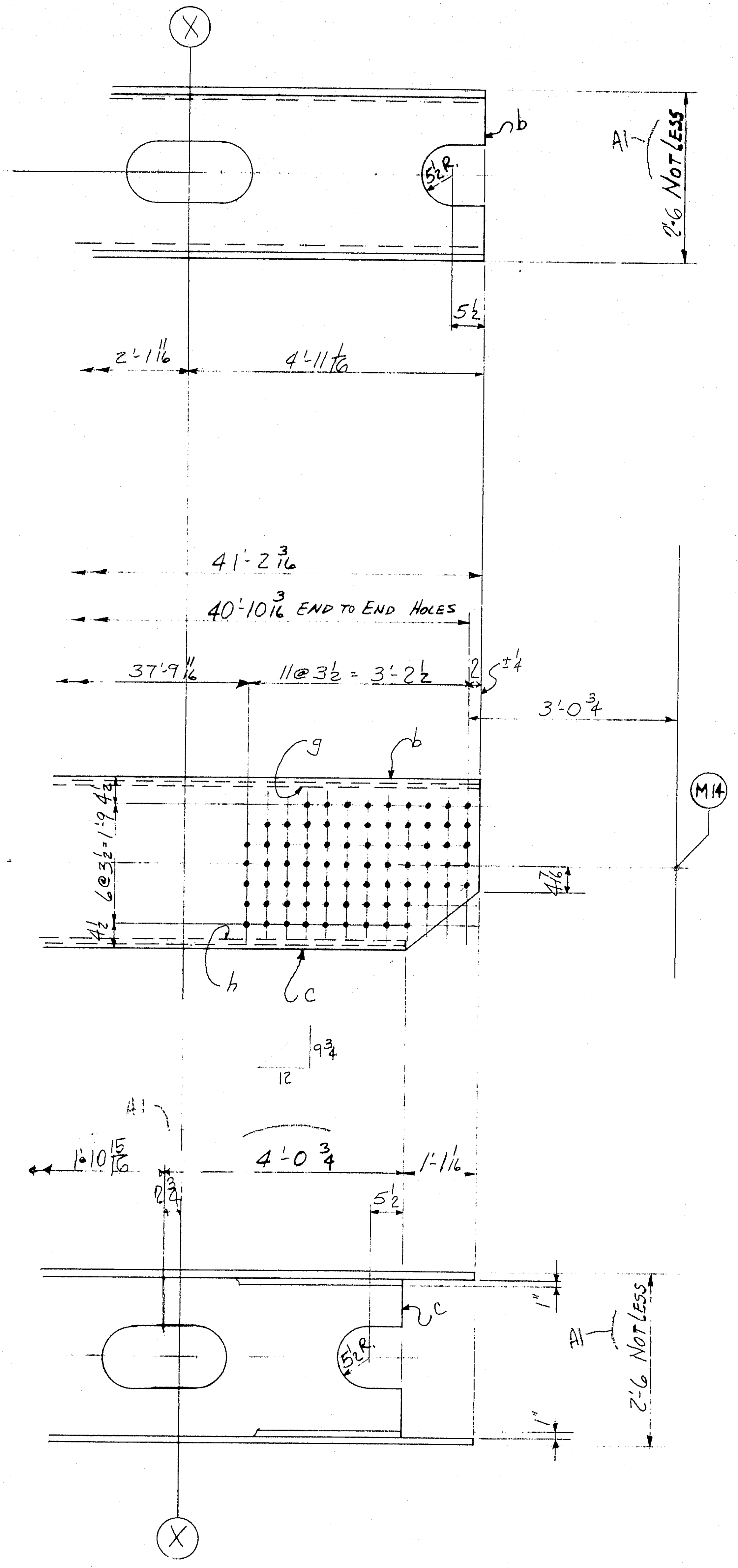
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

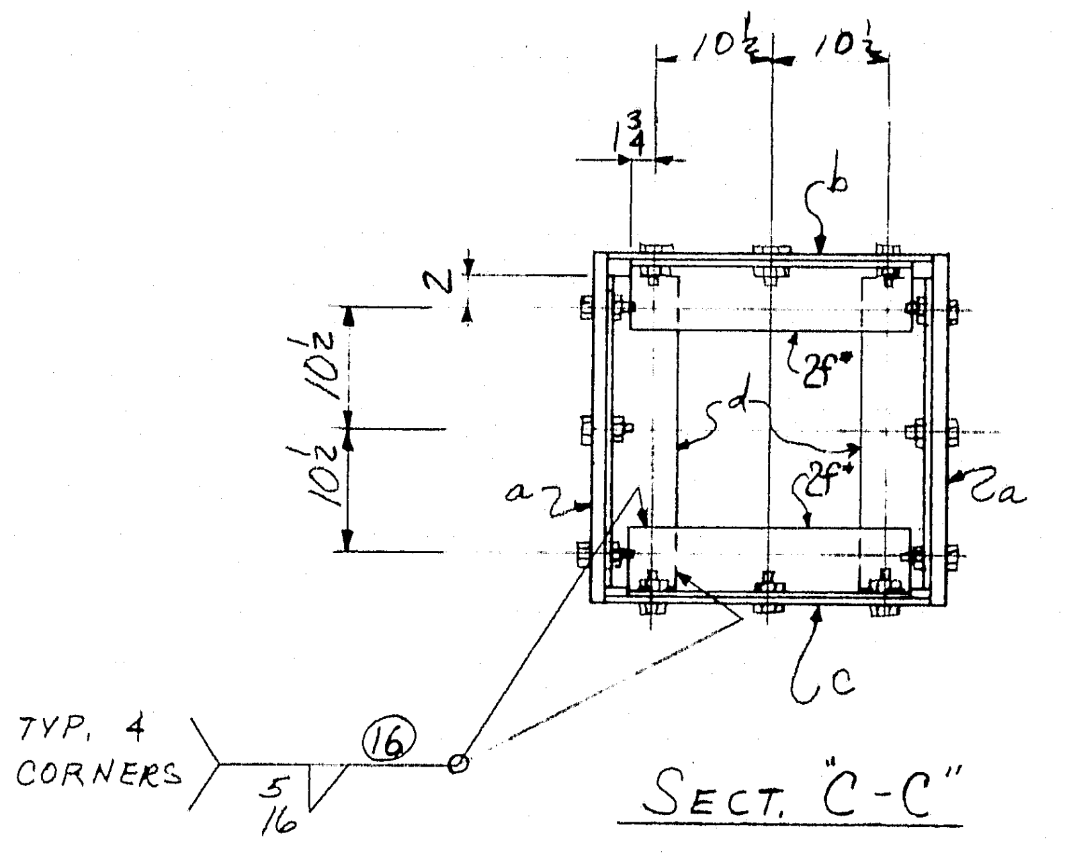
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM WORKS
MADE BY CPM DATE 3-1-70 IN CHARGE L.A. GOTHBERG
CHECKED BY DATE 3-13-70 SHOP NO.
CONTRACT CG 6290-062 DRAWING NO. 274BB

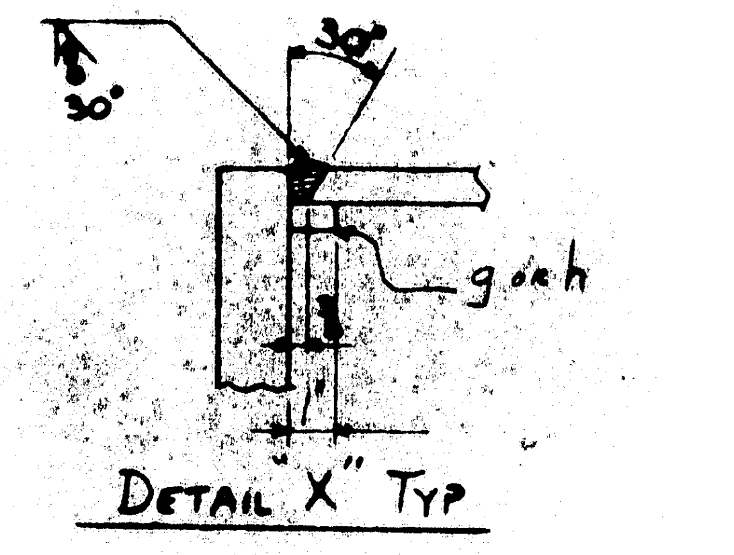
35453 (Rev. 8-69)

121-126 NC TAPE





SECT. "C-C"



DETAIL "X" TYP

S2

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1		3 - DIAGONAL 274A														
②	2	a	6	PL	30		1 1/4	41	2 3/16	2 TW			41	6		188	01
Ⓜ	3	b	3	PL	26 3/4		9/16	39	11 1/8	2 TW			41	6		188	02
Ⓜ	4	c	3	PL	26 3/4		9/16	40	1 1/8	2 TW			41	6		188	02
	5	d	24	L	6	4	1/2	2	1							189	01
	6	2f*	24	L	6	3 1/2	1/2	2	0 1/2							189	02
	7	g	6	BR	1		5/8	40	11 1/8	BACKUP BAR			42	6		186	04
	8	h	6	BR	1		5/8	41	1 1/8	BACKUP BAR			42	6		186	04
	9																
	10	FW	3	WD			5/16	21	4								
	11	B30	3	WD			9/16	160	4								
	12																
	13																
	14		72	325	1"⌀			0	2 1/2							AM	26
	15		72	325	1"⌀			0	3 1/4							AM	26
	16		144	HW	2	1 1/16	3/16									AM	26
	17																
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	62																

	a	b	c
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h			
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m			
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p			
s			
t			
w			
y			

S2

	2	1	3	DIAGONAL	274A	2'-6×30×41'-2
	H17	M17	NO.	DESCRIPTION	MARK	REMARKS
INST.			REQUIRED LIST			

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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW MAR 31 1971

For location of details shown on this sheet refer to diagrams.
E9 & E11

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES - E70XX LOW HYDROGEN

NOTE: Length Corrected for Temperature

~~One Shop CXM Red Lead~~
~~AASHO - M72, Type B~~
~~See Note "X"~~

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT FOR PERFORATIONS

MATERIAL ASTM A36
~~RIVETS OR~~ BOLTS 1"⌀
OPEN HOLES 1 1/16"⌀ V.N
A325 FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING: AS NOTED
PAINT One Shop Coat Red Lead AASHO - M72, Type II See Note "X"

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

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
S2	3-18-71	LM
1	3-24	3/B
REVISION		

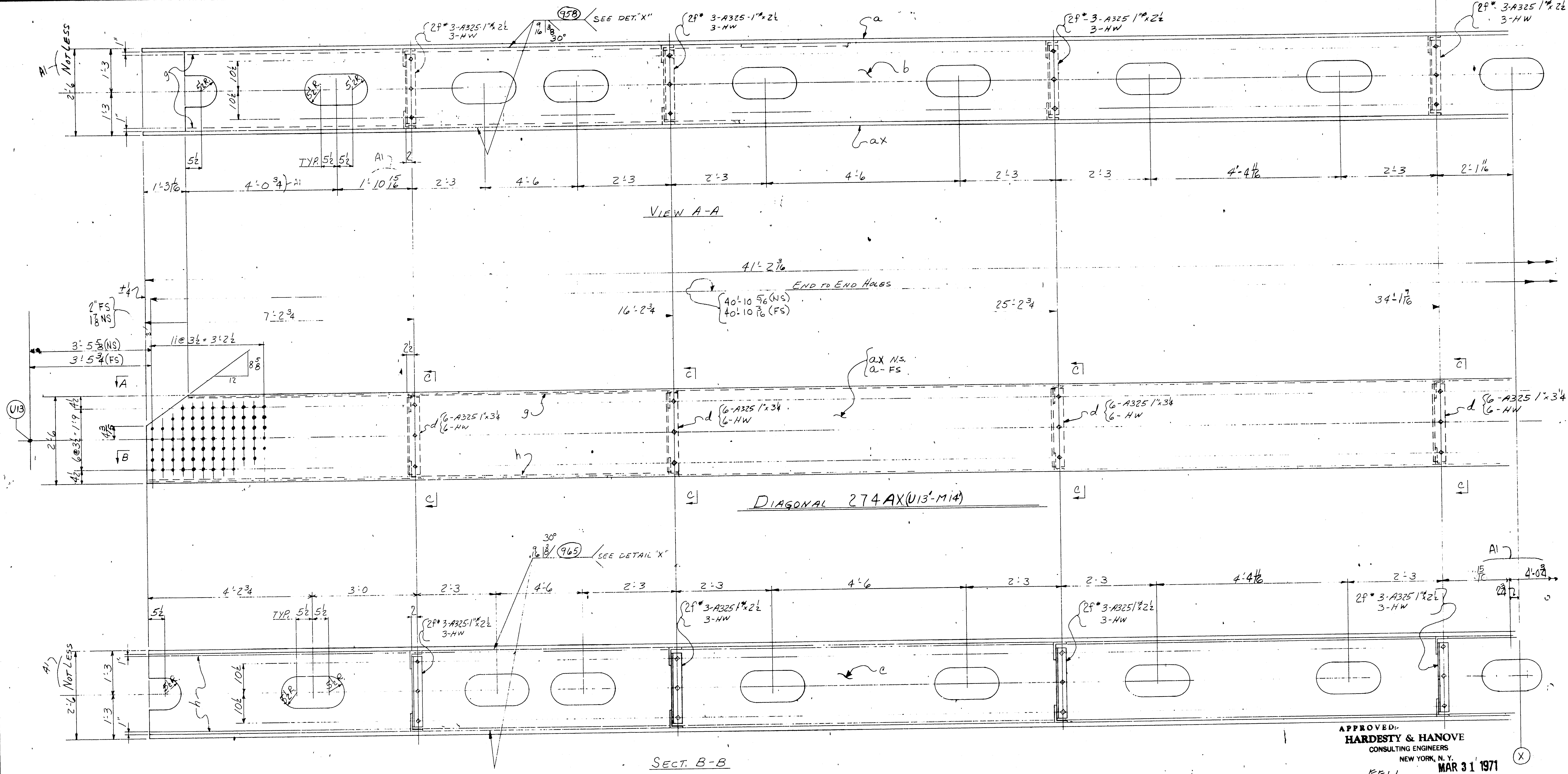
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM WORKS
MADE BY CPM DATE 3-1-70 IN CHARGE L.A. GOTHBERG
CHECKED BY BJ DATE 3-13-70 SHOP NO.
CONTRACT CG 6290-062 DRAWING NO. 274BB

35453 (Rev. 8-69)

121-126 NC TAPE



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

E11

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MAR 31 1971
BY FFW

DIAGONAL (U13'-M14')

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		
A1	4-23	5/BJ

REVISION

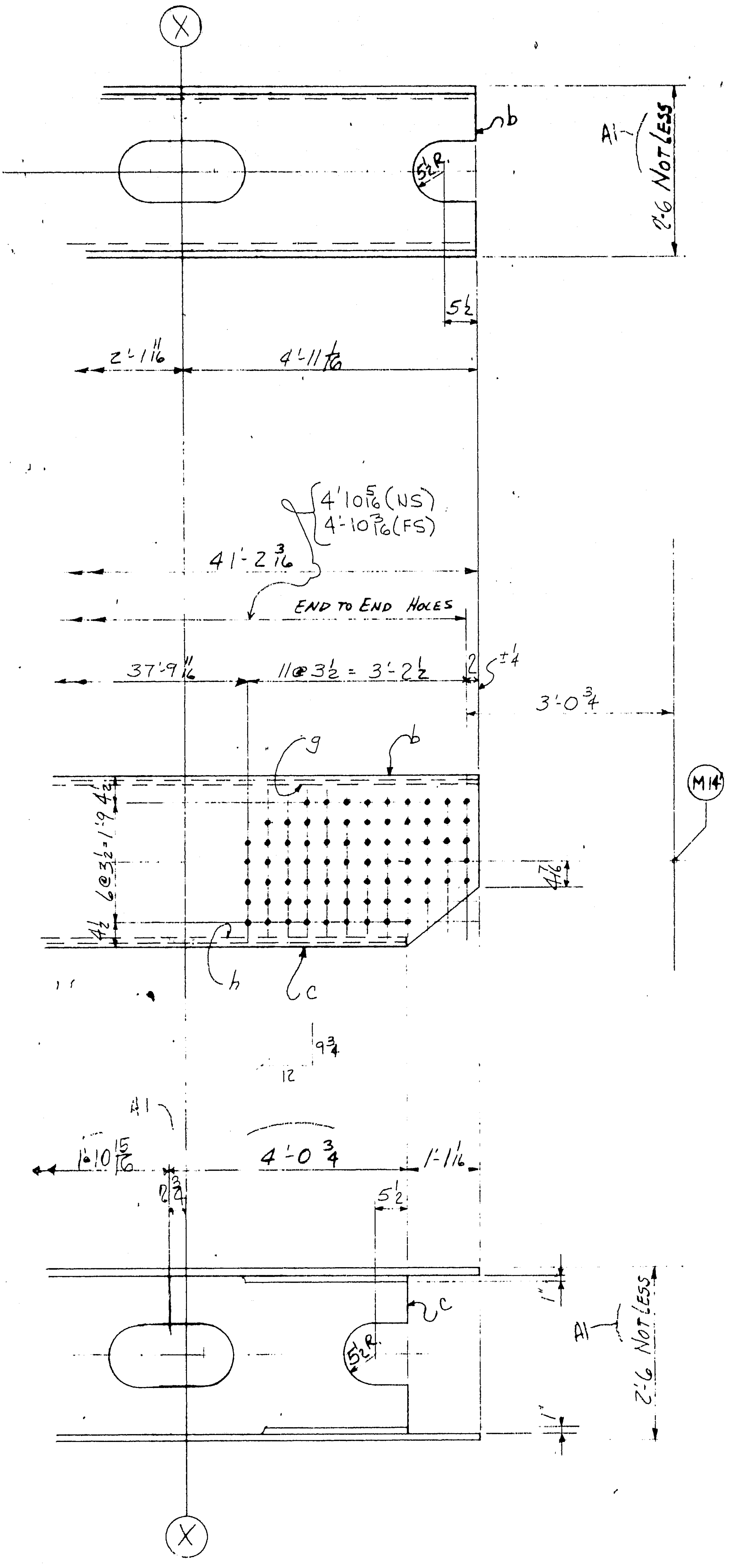
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

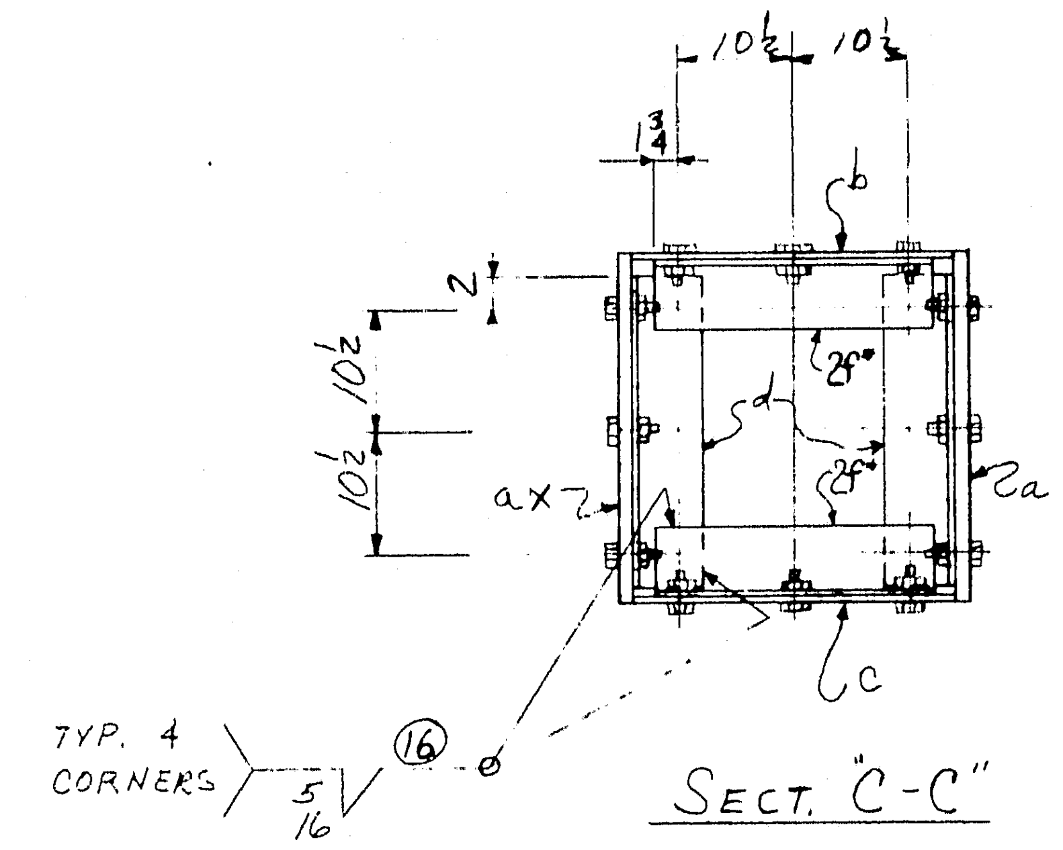
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY CPM DATE 2-26-70 IN CHARGE L.A. GOTHBERG
CHECKED BY DATE 3-13-70 SHOP NO.
CONTRACT CG 6290-062 DRAWING NO. 274 AB

NC TAPE 121-127





PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	THICK	LENGTH FT	LENGTH IN	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT	MILL ORDER LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1		1	- DIAGONAL	274AX												
②	2	a	1	PL	30		1¼	41	2 3/16	2TW			41	6		188	01
Ⓜ	3	b	1	PL	26¾		9/16	39	11⅛	2TW			41	6		188	02
Ⓜ	4	c	1	PL	26¾		9/16	40	1⅛	2TW			41	6		188	02
	5	d	8	L	6	4	½	2	1							189	01
	6	2f*	8	L	6	3½	½	2	0½							189	02
	7	g	2	BR	1		5/8	40	11⅛	BACKUP BAR			42	6		186	04
	8	h	2	BR	1		5/8	41	1⅛	BACKUP BAR			42	6		186	04
	9																
	10	FW	1	WD			5/16	21	4								
	11	B30	1	WD			9/16	160	4								
	12	2X	1	PL	30		1¼	41	2 3/16	2TW			41	6		188	01
	13																
	14		24	325	1"φ			0	2½							AM	26
	15		24	325	1"φ			0	3¼							AM	26
	16		48	HW	2	1 1/16	3/16									AM	26

			1	1	DIAGONAL	274AX	2'-6×30×41'-2
			M17	NO.	DESCRIPTION	MARK	REMARKS
INST.				REQUIRED LIST			

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NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES - E70XX
LOW HYDROGEN

NOTE. Length Corrected for Temperature

~~RASCIO~~
~~See Note "X"~~

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT FOR PERFORATIONS

MATERIAL ASTM A36
~~RIVETS OR~~ BOLTS 1"φ
OPEN HOLES 1 1/16"φ V.N
A325 FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING, AS NOTED
PAINT Shop Coat Red Lead
AASHO - M72, Type II
See Note "X"

NO.	DATE	INIT
0		
9		
8		
7		
6		
5		
4		
3		
2		
1	3-24	3/B
REVISION		

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

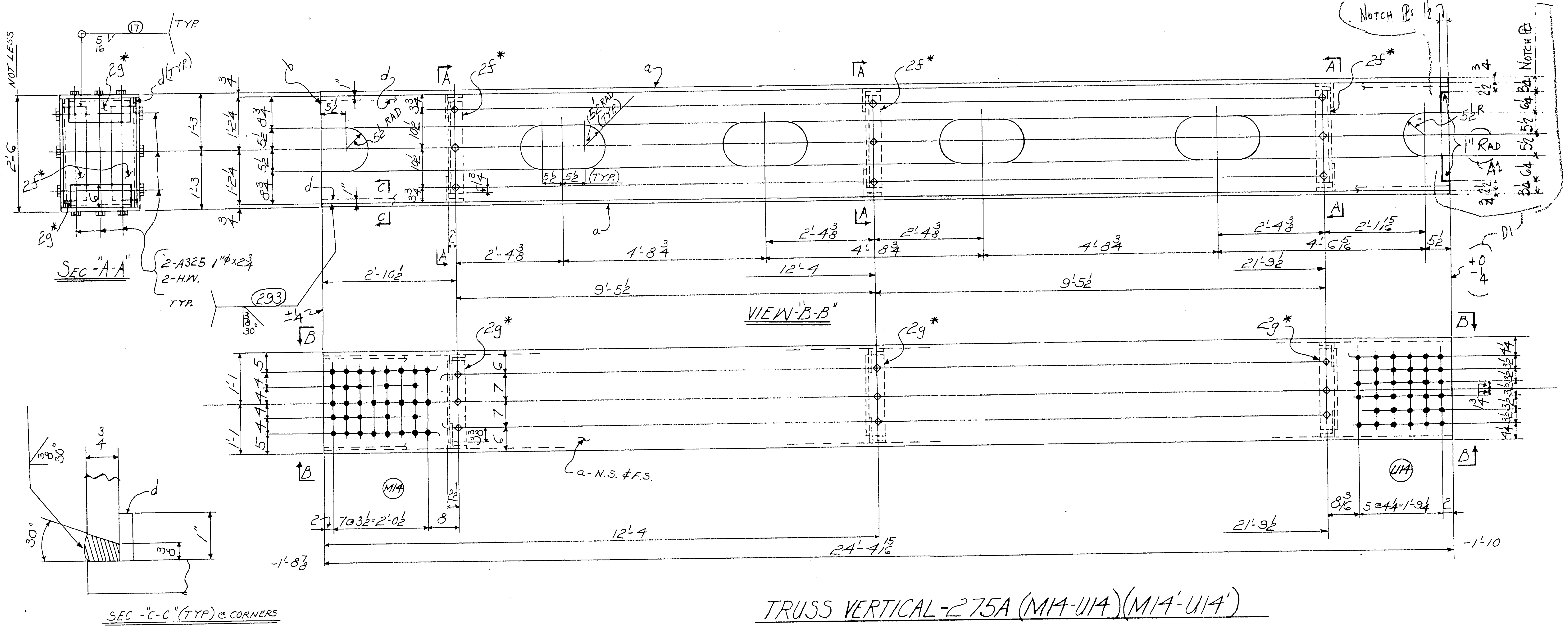
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM WORKS
MADE BY CPM DATE 3-1-70 IN CHARGE L.A. GOTHBERG
CHECKED BY BJ DATE 3-13-70 SHOP NO.
CONTRACT CG 6290-062 DRAWING NO. 274BBX

For location of details shown on this sheet refer to diagram.
E9 & E11

121-128 NC TAPE



TRUSS VERTICAL-275A (M14-U14)(M14'-U14')

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

E9 & E11

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		4- VERTICALS - 275A														
②	2	a	8	PL	26		3/4	24	4 15/16							195	01
Ⓜ	3	b	8	PL	27 3/4		3/4	24	4 15/16	T2W						195	02
	4	2g*	24	L	6	4	1/2	1	8 3/4							197	01
	5	d	16	BR	1		5/8	25	4 15/16	BACKUP BAR						196	01
	6																
	7	2f*	24	L	6	3 1/2	1/2	2	0 1/2							197	02
	8																
	9																
	10		144	325	1"φ			0	2 3/4							AM26	
	11		144	HW	2 O.D.	1 1/16 I.D.	3/16									AM26	
	12																
	13																
	14																
	15	FW	4	WD			5/16	17	0								
	16	B30	4	WD			3/4	97	8								
	17																
	18																
	19																
	20																
	21																

				NO.	DESCRIPTION	MARK	REMARKS
2		2		4	VERT 2'-2×2'-6×24'-5	275A	
M17		H17					

INST. REQUIRED LIST

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 22 × 11 PERFORATIONS

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

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NEW YORK, N. Y.
MAY 1 1970
BY FFW

ELECTRODES - E70XX
LOW HYDROGEN

PT-(M14-U14)(M14'-U14')

MATERIAL - A.S.T.M.-A36
BOLTS - 1"φ
OPEN HOLES - 1 1/16 φ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES - N.P.
WELDING - AS NOTED
PAINT - 1 CT.- RED LEAD
AASHO-M72 TYPE II
(SEE NOTE "X")

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
A 2	4-22	CD
D 1	4-1	CD

REVISION

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

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
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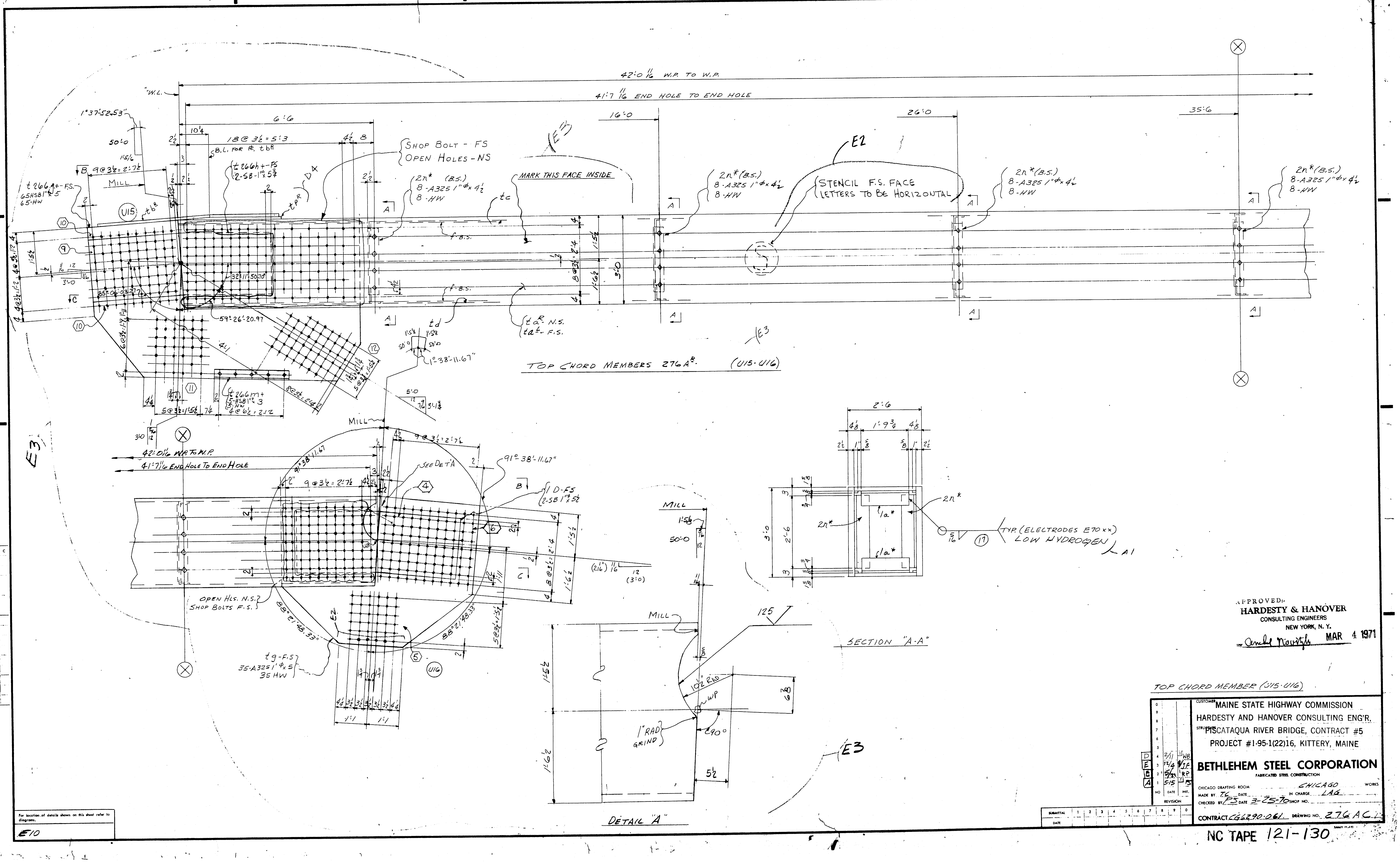
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO. WORKS
MADE BY NB DATE 3-2-70 IN CHARGE L.G.
CHECKED BY B DATE 3-11-70 SHOP NO.
CONTRACT CG 6290-063 DRAWING NO. 275

35042 (Rev.E 8-69)

121-129 NC TAPE



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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Andy Novitzky MAR 4 1971

TOP CHORD MEMBER (U15-U16)

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

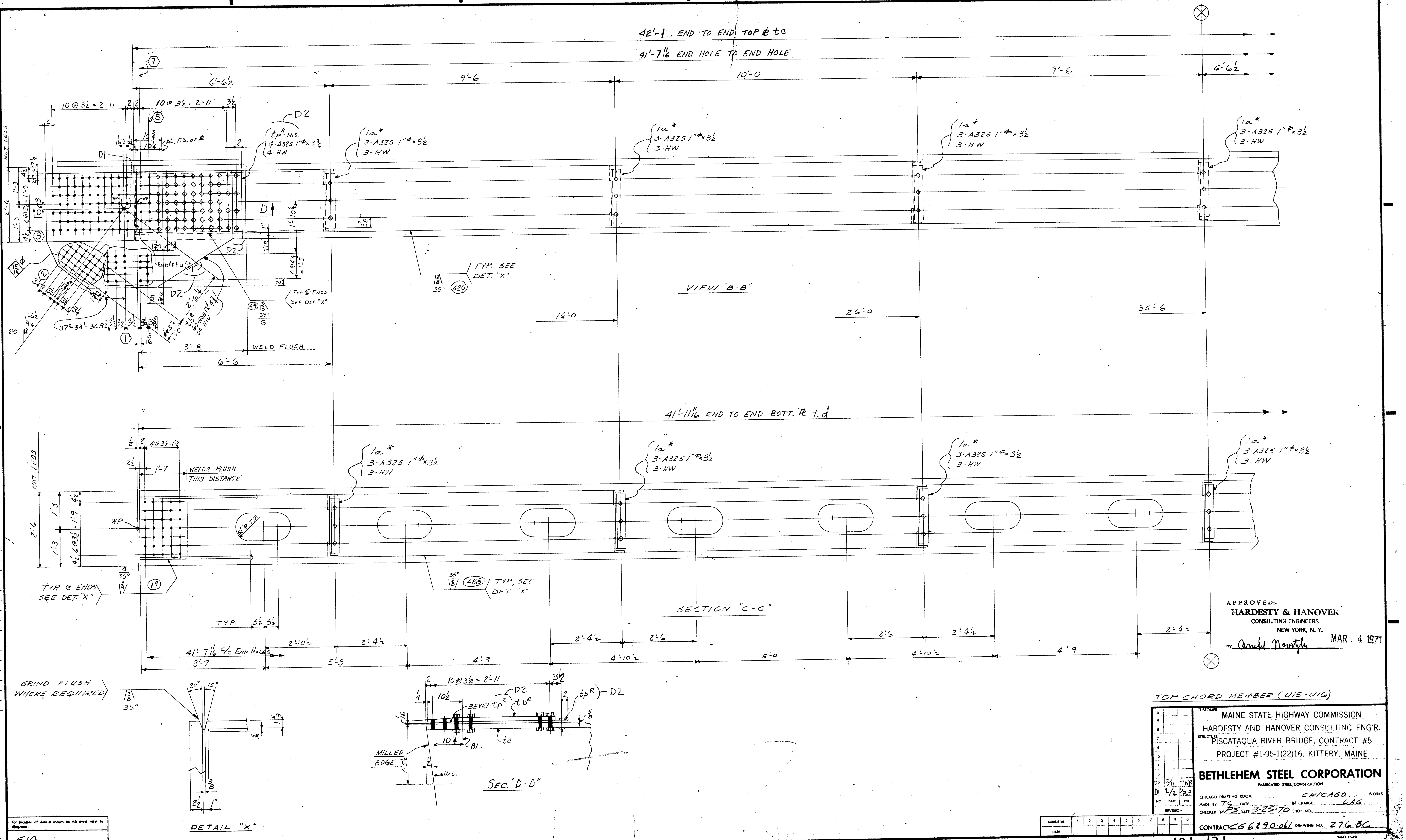
	NO	DATE	INIT.
	0		
	9		
	8		
	7		
	6		
	5		
D	4	2/11	WB
E	3	12/4	JF
B	2	5/22	RP
A	1	5/15	PS

REVISION

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY TC DATE IN CHARGE LAG
CHECKED BY PS DATE 3-25-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO. 276AC

NC TAPE 121-130

For location of details shown on this sheet refer to diagrams.
E10



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

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CONSULTING ENGINEERS
NEW YORK, N.Y.
BY Arnold Novitzky
MAR. 4 1971

TOP CHORD MEMBER (U15-U16)

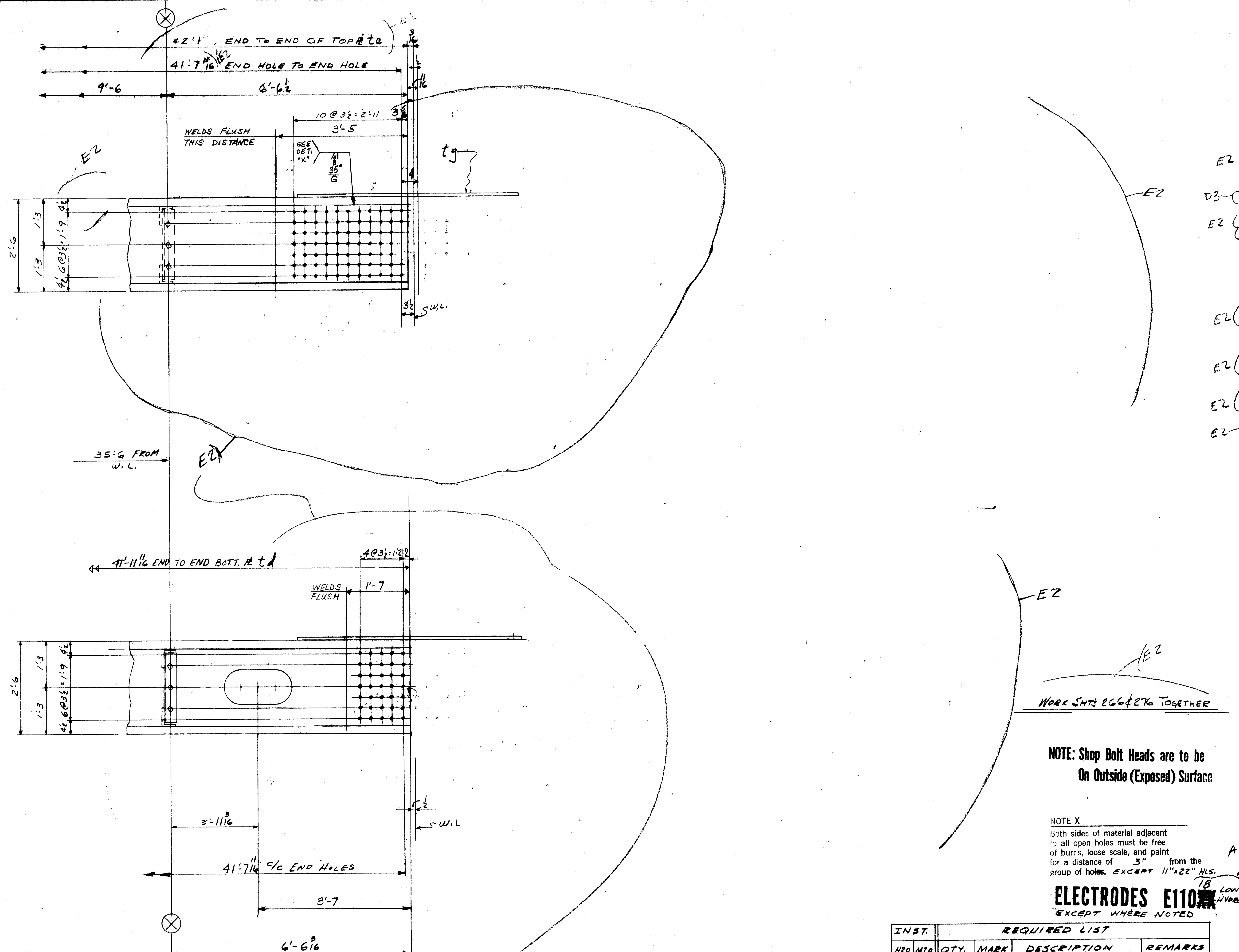
NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	2/11	WB
D1	2/2	RP
REVISION		

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 TC DATE IN CHARGE LAG
CHECKED BY PS DATE 3-25-70 SHOP NO.
CONTRACT CG 6290-061 DRAWING NO. 276 BC

121-131 NC TAPE



WORK SHTS 266 & 276 TOGETHER

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

	PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
		1									E2							
		2		2-TOP CHORD MEMBERS							1-276A^R - 1-276A^L							
	Ⓩ	3	t:a^R	2	PL	36		2½	42	1	MZE T2W						126	01
	Ⓩ	4	t:a^L	2	PL	36		2½	42	1	MZE T2W						126	01
	Ⓜ	5	t:c	2	PL	24¼		1⅝	42	1	MZE T2W						127	01
	Ⓜ	6	t:d	2	PL	24¼		1⅝	41	11 11/16	MZE T2W						127	01
		7	f	8	BR	1		⅝	43	1	BK UP BARS							
		8	t:g	2	PL	60		1	6	9⅞	E2						210	01
		9																
E2		10																
		11																
		12																
		13	1a*	16	L	6	3½	½	1	9¾	A36							
D3		14	t:p^R_L	1/1	PL	27½		⅝	3	6¼	FIN. ONE SIDE AT END						208	04
		15	2n*	16	L	6	4	½	2	6	A36							
E2		16																
		17	1D	2	PL	26		1	5	7⅝	DET. ON SHT #1 / CONT. HG0121							
		18	t:b^R_L	1/1	PL	54¼		1⅛	6	6	BENT							
		19	t:266g+	2	PL	66		1	9	2				9	4		208	1
		20	t:266h+	2	PL	27½		1	6	1¼				6	3		208	2
		21	t:266m+	2	L	4	4	½	2	6							151	10
		22		4	MB	1"φ			0	5½	RHH RHN (SB)						AM	39
E2		23		4	MB	1"φ			0	5¾	RHH RHN (SB)						AM	39
		24																
		25																
		26		48	325	1"φ			0	3½							AM	38
E2		27		8	325	1"φ			0	3¾							AM	38
		28		10	325	1"φ			0	3							AM	38
		29		64	325	1"φ			0	4½							AM	38
E2		30		200	325	1"φ			0	5							AM	38
		31		120	325	1"			0	4¾							AM	38
		32																
E2		33		450	HW	2"φ	1 1/16	3/16									AM	38
		34	FW	2	WD			5/16	22	8								
		35	V35	2	WD			1⅝	168	0								
		36																
		37																
		38																
		39																
		40																
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APPROVED:-
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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Arnold Nowitzky MAR 4 1971

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11"×22" HLS.

ELECTRODES E110~~XX~~ 18 LOW HYDROGEN
EXCEPT WHERE NOTED

A1

LENGTH CORR. FOR TEMP.

TOP CHORD MEMBER (U15-U16)

INST. H20	INST. M20	QTY.	MARK	DESCRIPTION	REMARKS
			REQUIRED LIST		
1		1	276A^R	TOP CHORD MEMBER	5'-0×4'-10×45'-1
			"	" "	
1		1	276A^L	" " "	5'-0×4'-10×45'-1

MATERIAL: SHAPES T1 / PLs - A517 PREFIX "t"; A36 - NO PREFIX
RIVETS OR BOLTS A325 1"φ U.N.
OPEN HOLES 1 1/16"φ U.N.
A325 FIELD BOLTS 1"φ U.N.
SHOP CONTACT SURFACES N.P.
WELDING AS NOTED
PAINT 1-CT. RED LEAD AASHO M72 TYPE II U.N. SEE NOTE "X"

	NO.	DATE	INIT.
	0		
	9		
	8		
	7		
	6		
	5		
	4		
D	3	2/11	WB
E	2	12/4	JF
A	1	5-15	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 #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY TC DATE IN CHARGE LAG
CHECKED BY PS DATE 3-25-70 SHOP NO.
CONTRACT CO 6290-061 DRAWING NO. 276CC

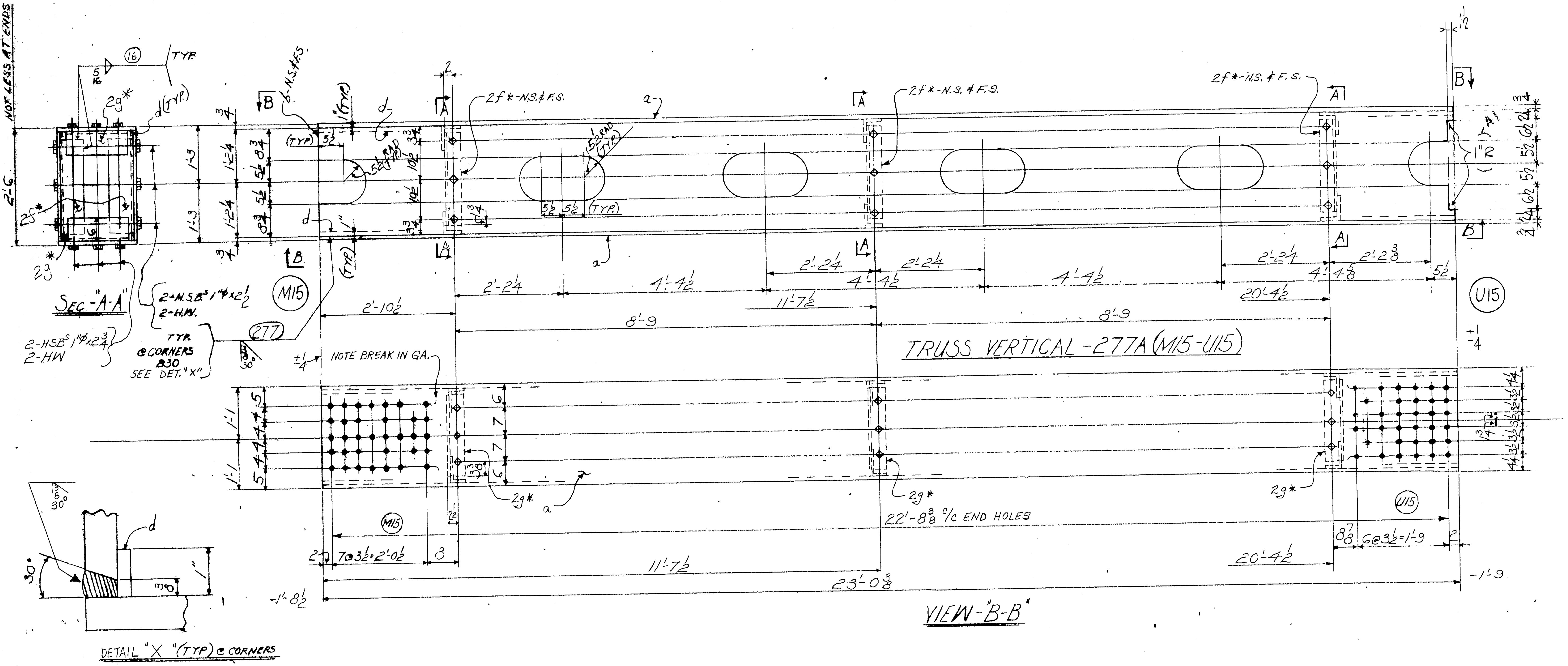
35453 (Rev.D 8-69)

NC TAPE 121-132

	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.

E10



2		2		4	VERT 2'-2 x 2'-6 x 23'-1	277A			
M18		H18		NO.	DESCRIPTION	MARK	REMARKS		
INST.				REQUIRED LIST					

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 22 x 11 PERFORATIONS

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

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

ELECTRODES - E70XX
LOW HYDROGEN

For location of details shown on this sheet refer to diagrams.
E10

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		4- VERTICALS - 277A														
②	2	a	8	PL	26		¾	23	0⅜	T2W						195	03
Ⓜ	3	b	8	PL	27¾		⅝	23	0⅜	T2W						195	04
	4	2g*	24	L	6	4	½	1	8¾							197	03
	5	d	16	BR	1		⅝	24	0⅜	BACKUP BAR						196	02
	6																
	7	2f*	24	L	6	3½	½	2	0½							197	04
	8																
	9		72	325	1"φ			0	2½							AM	
	10		72	325	1"φ			0	2¾							AM	
	11		144	HW	2 O.D.	1 1/16 I.D.	5/16									AM	
	12																
	13																
	14																
	15	FW	4	WD			5/16	16	0								
	16	B30	4	WD			⅝	92	4								
	17																
	18																
	19																
	20																

PT-M15 TO U15

MATERIAL - A.S.T.M. - A36
BOLTS - 1"φ
OPEN HOLES - 1 1/16 φ
A325 FIELD BOLTS ——
SHOP CONTACT SURFACES - N.P.
WELDING - AS NOTED
PAINT - 1 CT. - RED LEAD AASHO - M72 TYPE II (SEE NOTE "X")

NO.	DATE	INIT.
A1	4-20-71	CD

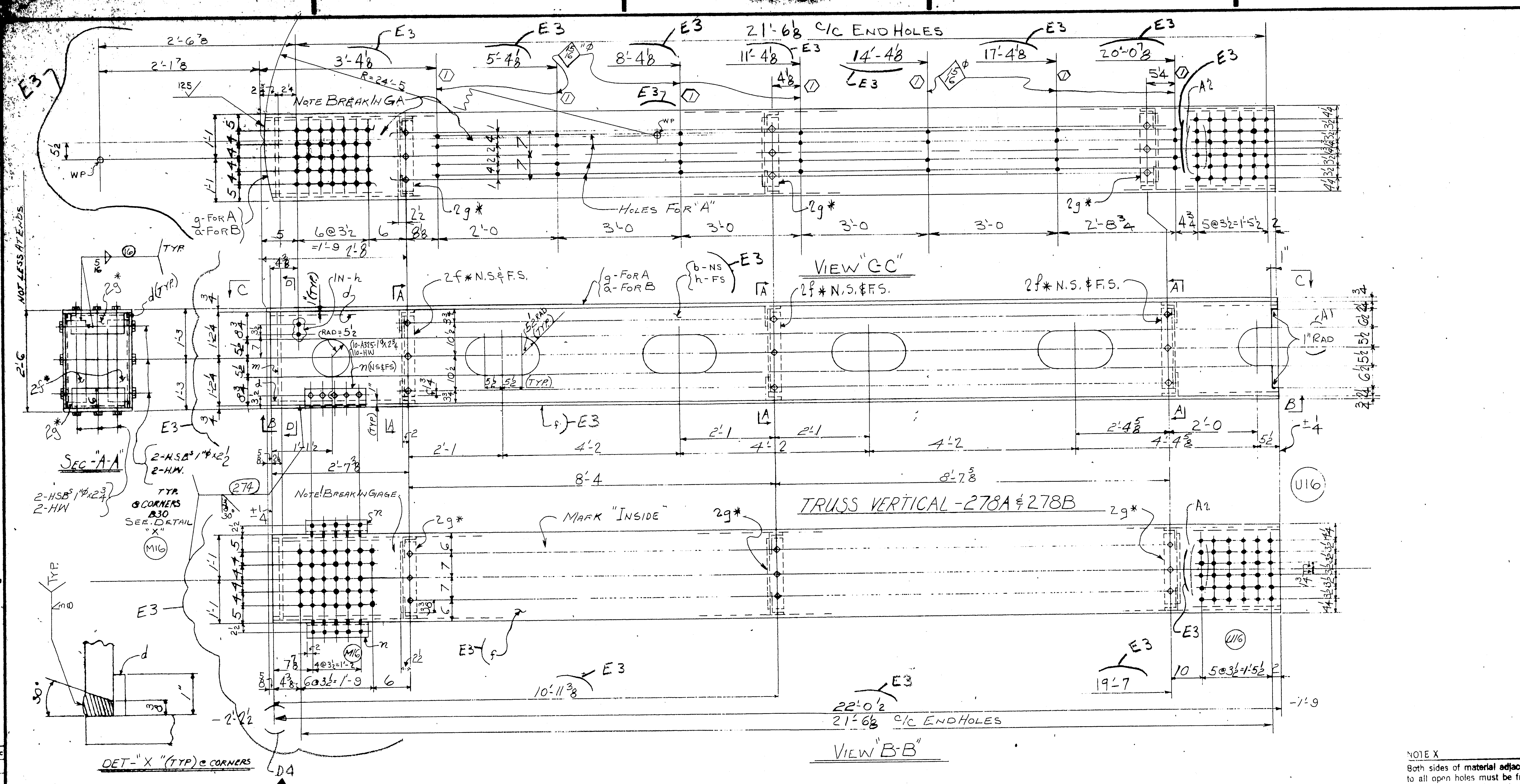
REVISION

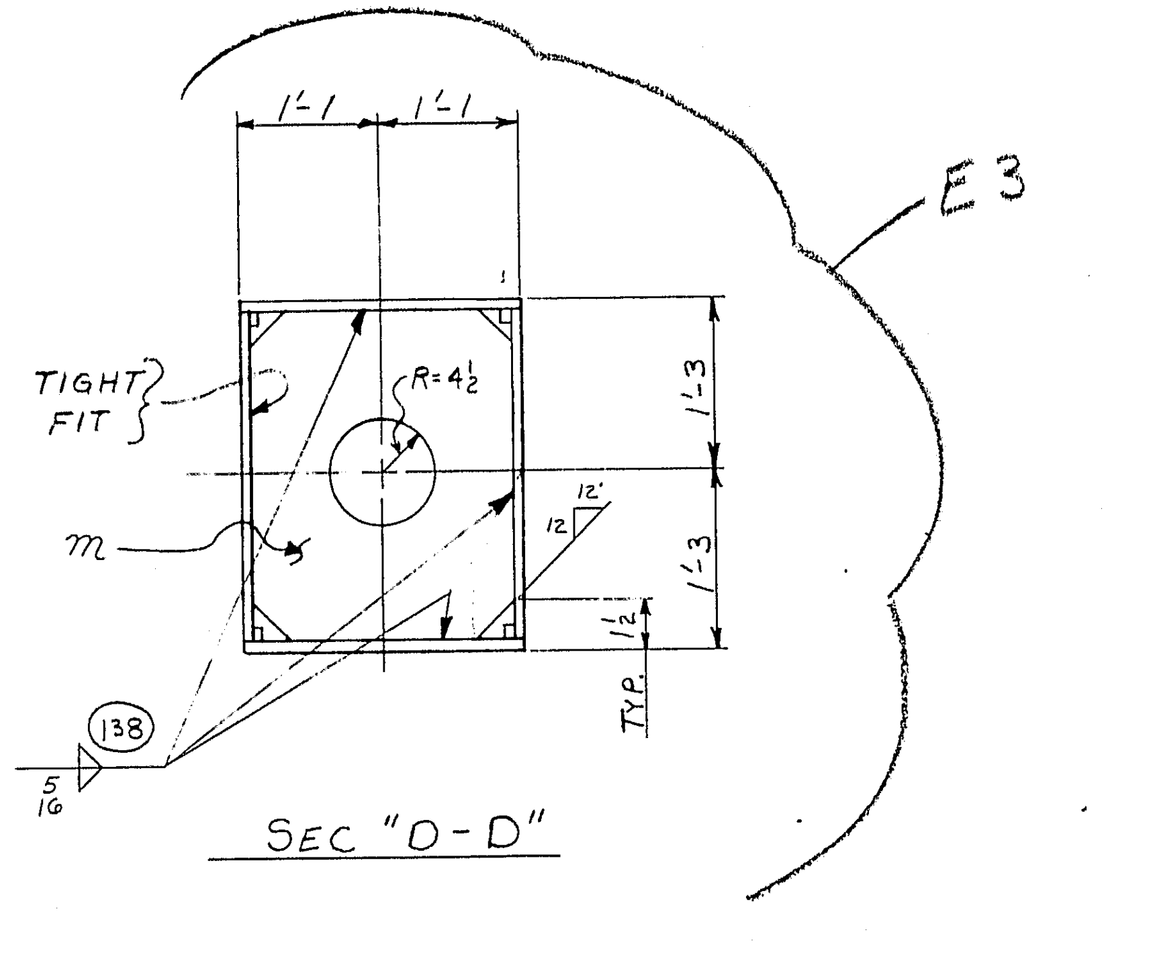
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 HB DATE 3-3-70 IN CHARGE L.G.
CHECKED BY C.A.D. DATE 3-31-70 SHOP NO.
CONTRACT CG6290-063 DRAWING NO. 277

121-133 NC TAPE





		1		1	VERTICAL 2'-2×2'-6×22'-7	278 B	
		1		1	VERT 2'-2×2'-6×22'-7	278A	
		H20		NO.	DESCRIPTION	MARK	REMARKS
INST.				REQUIRED LIST			

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 22 × 11 PERFORATIONS

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

E10

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1	E3	2-VERTICALS-1-278A & 1-278B							E3							
②	2	a	1	PL	26		¾	22	1⅛	B (T2W)						195	05
Ⓜ	3	b	2	PL	27¾		⅝	22	0½	T2W						195	06
	4	2g*	12	L	6	4	½	1	8¾	E3						197	05
	5	d	8	BR	1		⅝	23	1½	BACKUP BAR						196	03
②	6	g	1	PL	26		¾	22	1⅛	A (T2W)						195	05
	7	2f*	12	L	6	3½	½	2	0½							197	06
	8	f	2	PL	26		¾	22	0½	T2W E3							
	9		36	325	1"φ			0	2½							AM30	
	10	E3	56	325	1"φ			0	2¾							AM30	
	11		92	HW	2 O.D.	1 1/16 I.D.	5/16									AM30	
	12	h	2	PL	27¾		⅝	22	0½	T2W							
	13	m	2	PL	24¾		½	2	4½								
	14	n	4	L	6	4	¾	1	6	E3							
	15	FW	2	WD			5/16	27	6								
	16	B30	2	WD			⅝	88	4	E3							
	17																
	18																
	19																
	20																
	21																

NOTE. Shop Bolt Heads are to be on Outside (Exposed) Surface

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HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW DEC 30 1970

ELECTRODES - E70XX LOW HYDROGEN

VERTICALS
PT-M16 TO U16

MATERIAL - A.S.T.M.-A36
BOLTS - 1"φ
OPEN HOLES - 1 1/16 φ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES - N.P.
WELDING - AS NOTED
PAINT - 7CT - RED LEAD AASHO-M72 TYPE II (SEE NOTE "X")

NO.	DATE	INIT.
D4	2-19	CAD
E3	12-8	CC
A2	5-25	CD
A1	4-20	CD

REVISION

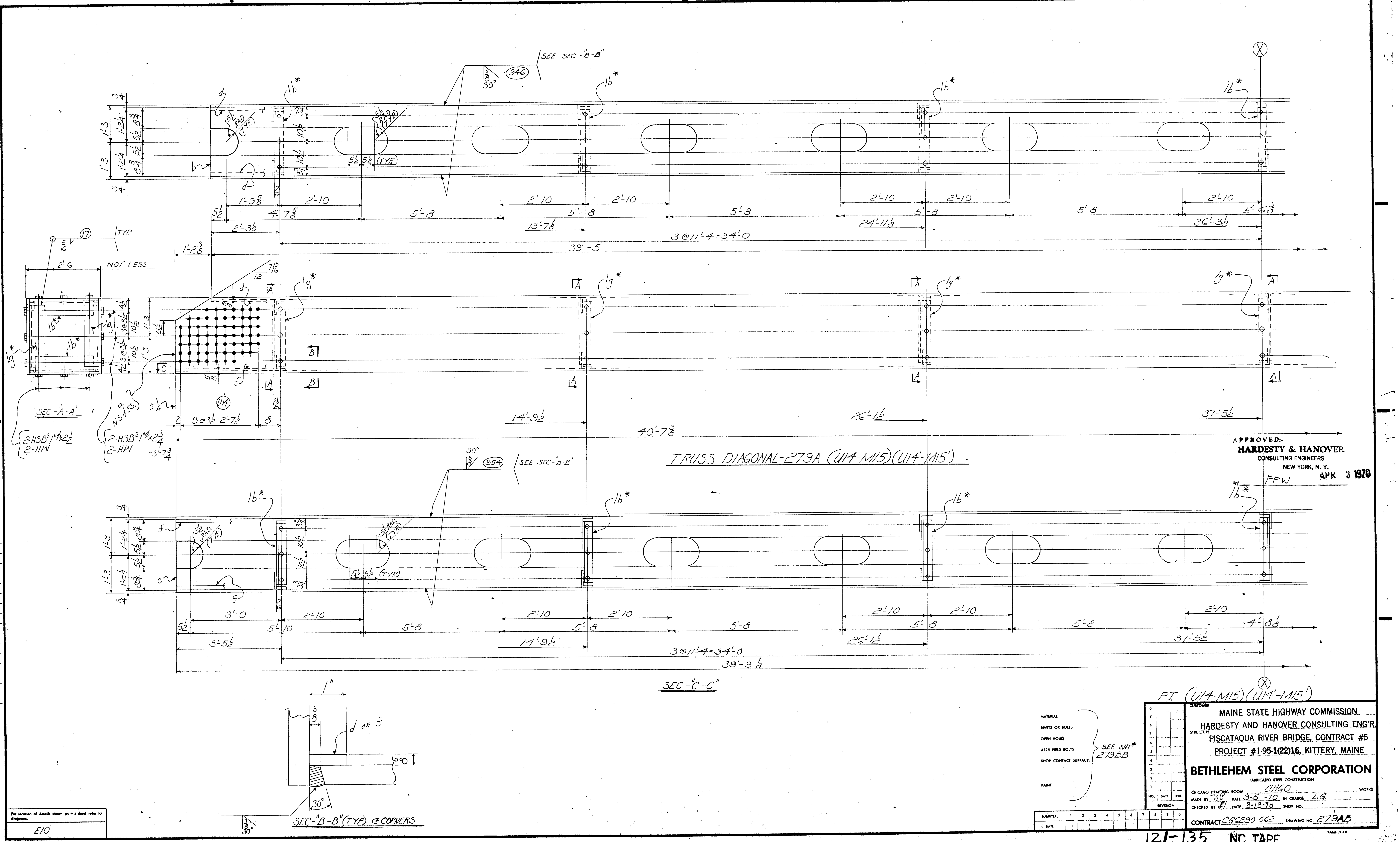
SUBMITTAL 1 2 3 4 5 6 7 8 9 0
DATE

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 WB DATE 3-3-70 IN CHARGE L.G.
CHECKED BY CAD DATE 3-31-70 SHOP NO.
CONTRACT CG6290-063 DRAWING NO. 278

121-134 NC



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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW APR 3 1970

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

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT
SEE SHT# 279BB

NO.	DATE	INIT.
0		
9		
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REVISION

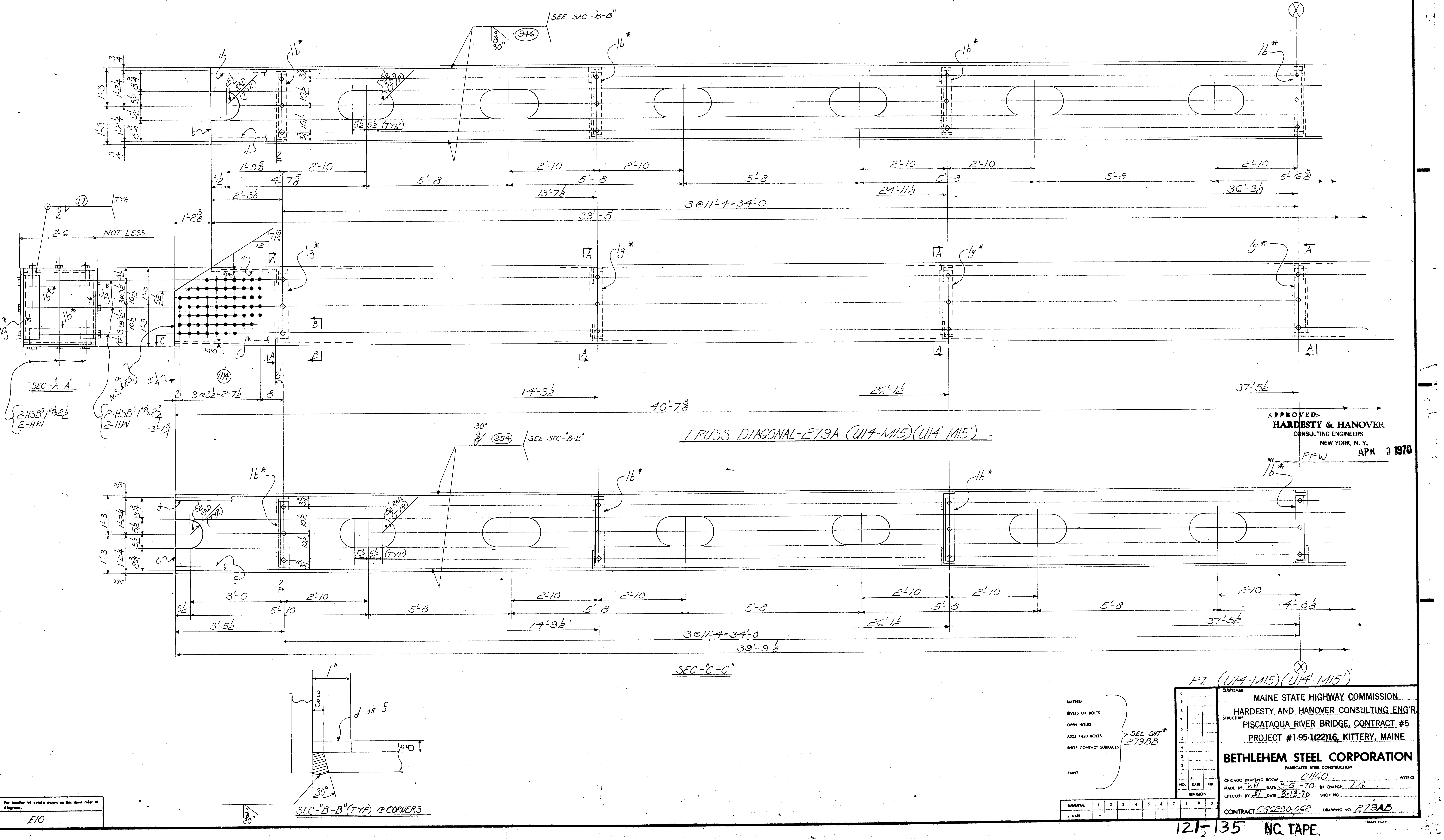
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 CHGO WORKS
MADE BY NB DATE 3-5-70 IN CHARGE L.G.
CHECKED BY EJ DATE 3-13-70 SHOP NO.
CONTRACT CG6290-062 DRAWING NO. 279AB

121-135 NC. TAPE



TRUSS DIAGONAL-279A (U14-M15)(U14'-M15')

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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW APR 3 1970

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

E10

PT. (U14-M15)(U14'-M15')

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT
SEE SHT# 279BB

NO.	DATE	INIT.
0		
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REVISION

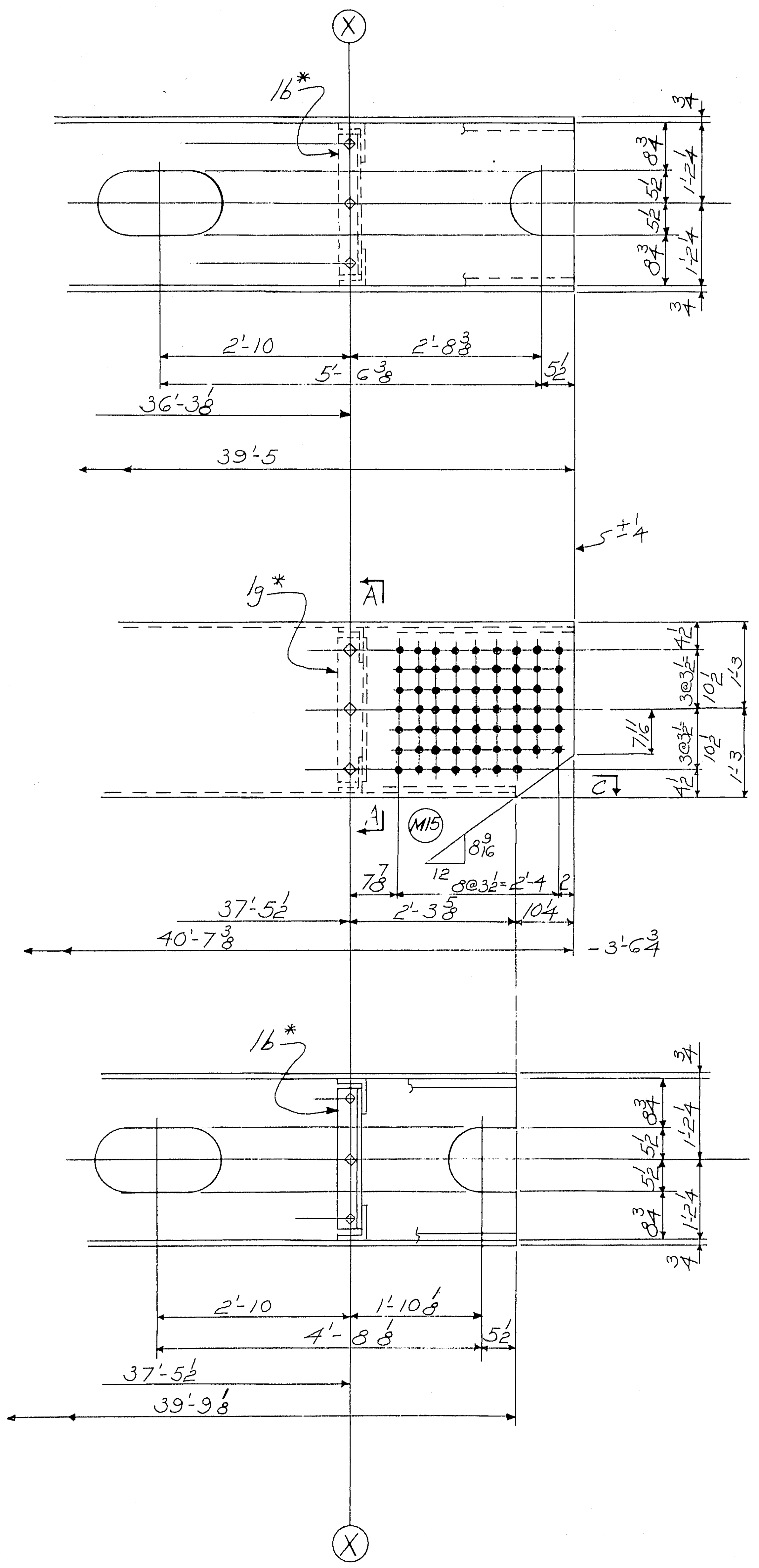
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER MAINE STATE HIGHWAY COMMISSION
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 WB DATE 3-5-70 IN CHARGE L.G.
CHECKED BY BJ DATE 3-13-70 SHOP NO.
CONTRACT CG6290-062 DRAWING NO. 279AB

121-135 NC TAPE



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

E10

	SHOP BILL										MILL ORDER						
PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION			LENGTH		REMARKS	WIDTH	THICK	LENGTH		STOCK	ITEM	
					SIZE	SIZE OR POUNDS	THICK	FT	IN.				FT	IN		PAGE	LINE
	1		4-	DIAGONALS			-279A										
②	2	a	8	PL	30		3/4	40	7 3/8							188	03
Ⓜ	3	b	4	PL	27 3/4		5/8	39	5	T2W						188	04
Ⓜ	4	c	4	PL	27 3/4		5/8	39	9 1/8	T2W						188	04
	5	d	8	BR	1		5/8	40	5	BACKUP BAR						186	05
	6	f	8	BR	1		5/8	40	9 1/8	BACKUP BAR						186	05
	7	1b*	32	L	6	3 1/2	1/2	2	0 1/2							189	04
	8	1g*	32	L	6	4	1/2	2	1							189	03
	9																
	10																
	11																
	12		96	325	1"ϕ			0	2 1/2							AM26	
	13		96	325	1"ϕ			0	2 3/4							AM26	
	14		192	HW	2 O.D.	1 1/16 I.D.	3/16									AM26	
	15																
	16																
	17	FW	4	WD			5/16	22	8								
	18	B30	4	WD			5/8	158	4								
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APPROVED
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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW APR 3 1970

NOTE: Length Corrected for Temperature

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11×22 HLS.

ELECTRODES - E70XX
LOW HYDROGEN

MATERIAL – A.S.T.M. -A36
~~RIVETS OR~~ BOLTS 1"ϕ
OPEN HOLES – 1 1/16"ϕ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES N.P.
WELDING-AS NOTED
PAINT **One Shop Coat Red Lead AASHO - M72, Type II See Note "X"**

2		2		4	DIAGONAL 2'6×2'6×40'-8	279A	
M18		H18		NO.	DESCRIPTION	MARK	REMARKS
INST.				REQUIRED LIST			

PT-(U14-M15)(U14'-M15')

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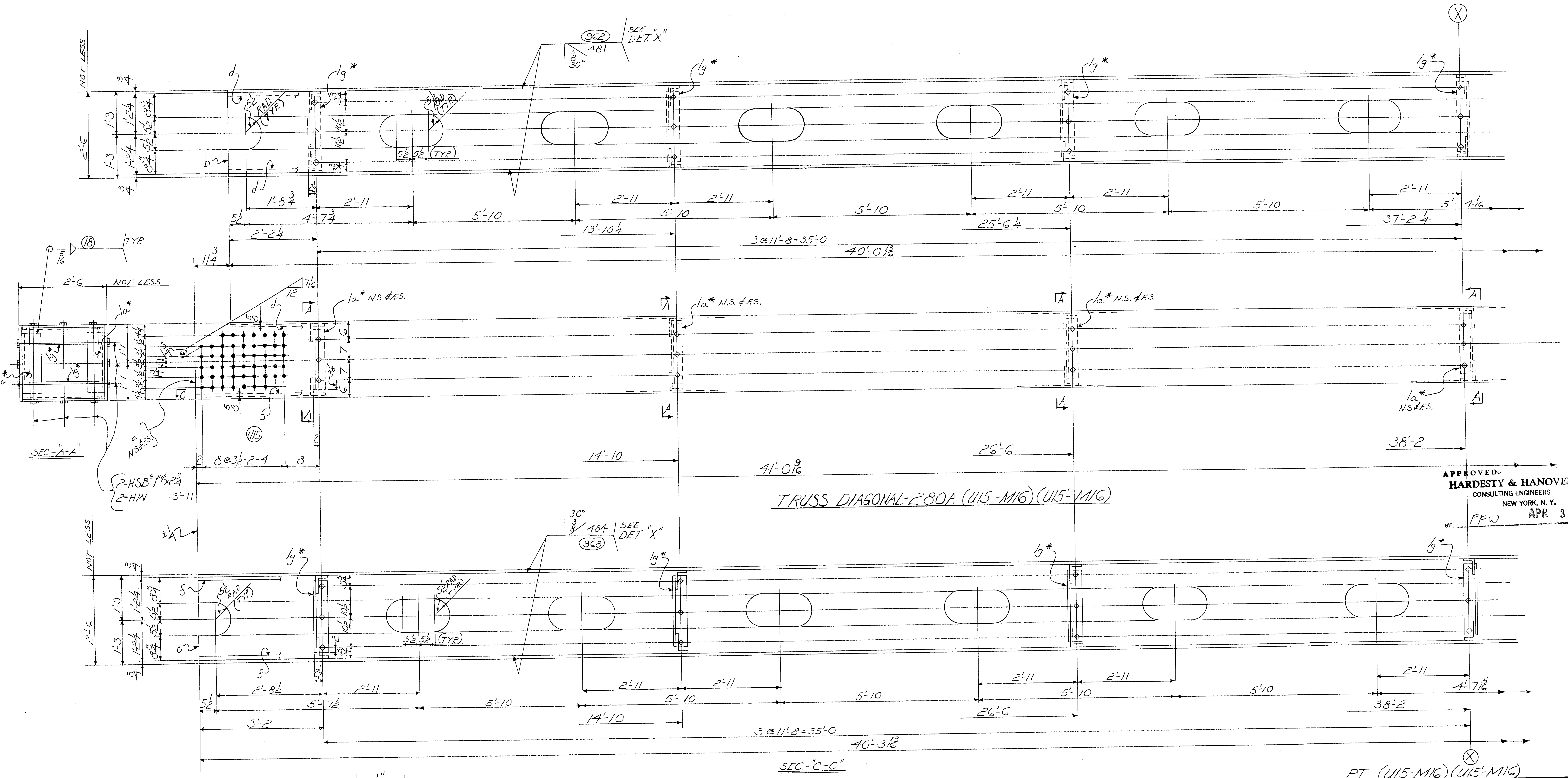
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 MP DATE 3-6-70 IN CHARGE L.G.
CHECKED BY BJ DATE 3-13-70 SHOP NO.
CONTRACT C66290-062 DRAWING NO. 279BB

35453 (Rev.D 8-69)

121-136 NC TAPE



TRUSS DIAGONAL-280A (U15-M16)(U15'-M16)

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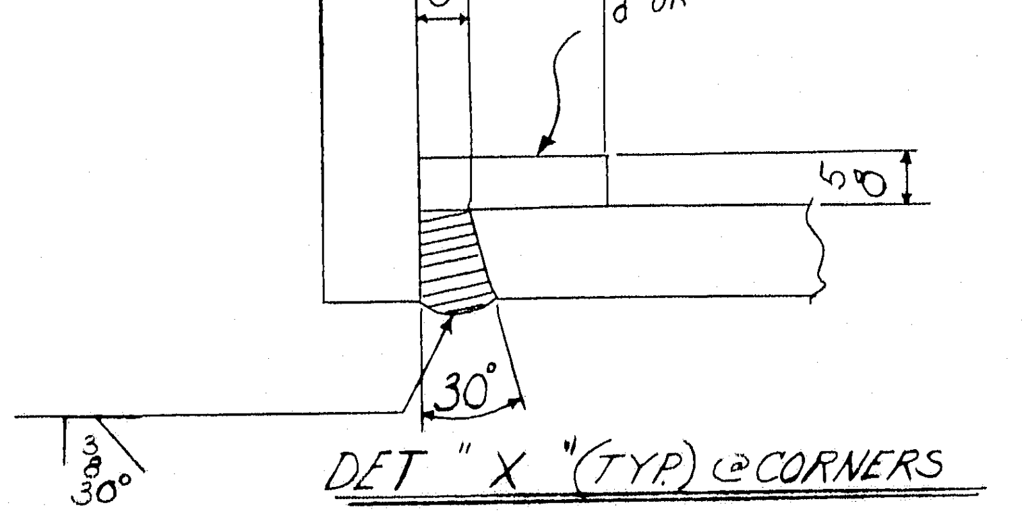
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW APR 3 1970

PT (U15-M16)(U15'-M16)



DET "X" (TYP) @CORNERS

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

E10

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

SEE SHT.# 280BB

NO.	DATE	INIT.
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REVISION

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

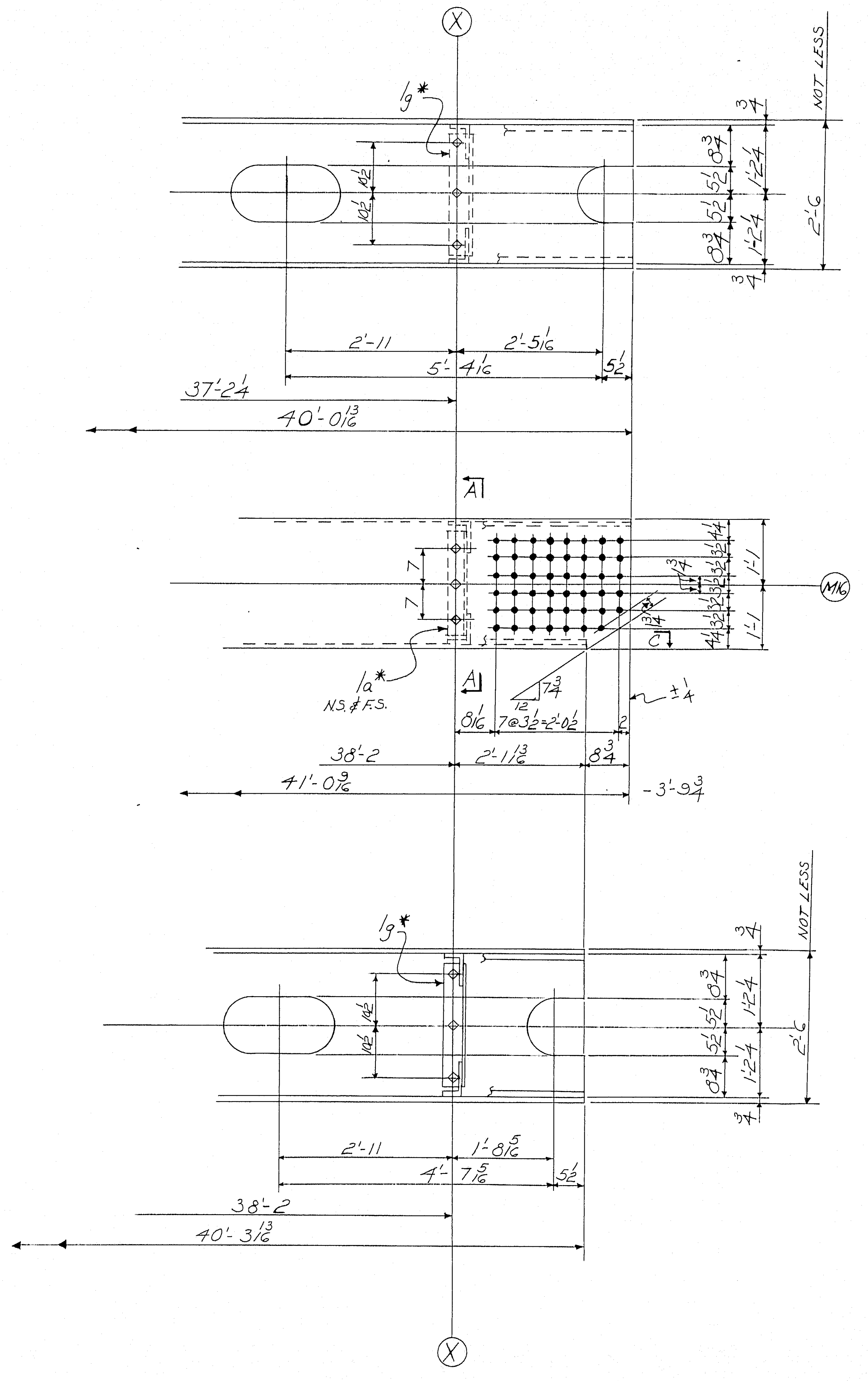
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO WORKS
MADE BY NB DATE 3-10-70 IN CHARGE L.G
CHECKED BY RP DATE 3-18-70 SHOP NO.
CONTRACT CG6290-062 DRAWING NO. 280AB

36663 (1-65)

121-137 NC IA



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

E10

SHOP BILL											MILL ORDER						
PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION			LENGTH		REMARKS	WIDTH	THICK	LENGTH		STOCK	ITEM	
					SIZE	SIZE OR POUNDS	THICK	FT.	IN.				FT	IN		PAGE	LINE
	1		4-DIAGONALS-280A														
②	2	a	8	PL	26		3/4	41	0 9/16	T2W						188	05
Ⓜ	3	b	4	PL	27 3/4		3/4	40	0 13/16	T2W						188	06
Ⓜ	4	c	4	PL	27 3/4		3/4	40	3 13/16	T2W						188	06
	5	d	8	BR	1		5/8	41	0 13/16	BACKUP BAR						186	06
	6	f	8	BR	1		5/8	41	3 13/16	BACKUP BAR						186	06
	7	1a*	32	L	6	3 1/2	1/2	1	9 3/4							189	06
	8	1g*	32	L	6	4	1/2	2	1							189	05
	9																
	10																
	11																
	12																
	13		192	325	1"φ			0	2 3/4							AM26	
	14		192	HW	2	1 1/16	3/16									AM26	
	15																
	16																
	17	FW	4	WD			5/16	24	0								
	18	B30	4	WD			3/4	160	10								
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APPROVED
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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW APR 3 1970

NOTE: Length Corrected for Temperature

ELECTRODES - E70XX
LOW HYDROGEN

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11×22 PERFORATIONS

2	2	4	DIAGONALS 2'-2×2'-6×41'-1	280A	2'-6×2'-2×41'-1
M20	H20	NO.	DESCRIPTION	MARK	REMARKS
INST.		REQUIRED LIST			

MATERIAL - A.S.T.M.-A36
~~RIVETS OR~~ BOLTS 1"φ
OPEN HOLES - 1 1/16 φ U.N.
A325 FIELD BOLTS ~
SHOP CONTACT SURFACES N.P.
WELDING-AS NOTED
PAINT One Shop Coat Red Lead AASHO - M72, Type II See Note "X"

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

PT (U15-M16)(U15'-M16)

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 3-12-70 IN CHARGE L.G.
CHECKED BY RP DATE 3-18-70 SHOP NO.
CONTRACT CG6290-062 DRAWING NO. 280BB

35453 (Rev.D 8-69)

121-138 NC TAPE

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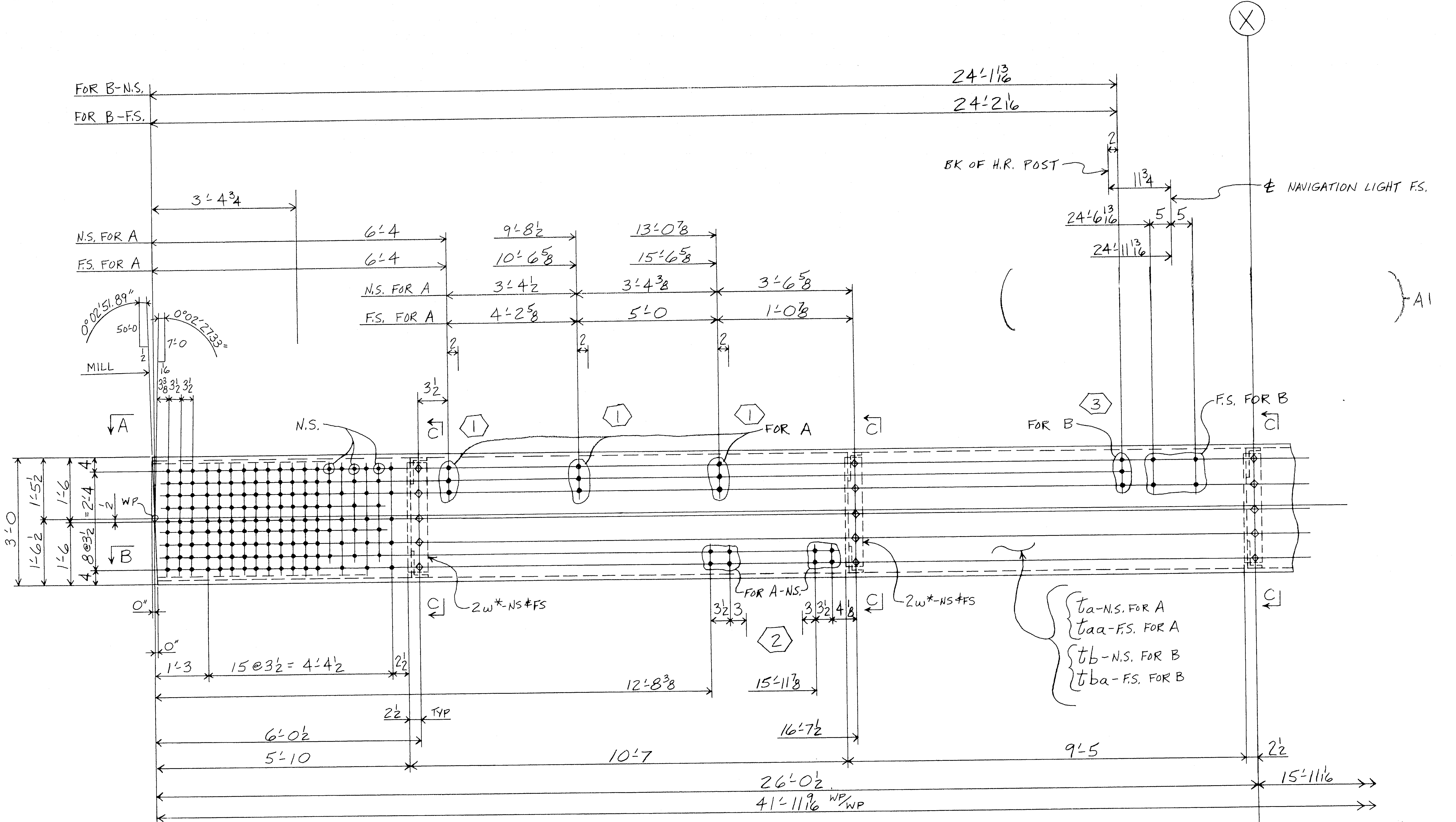
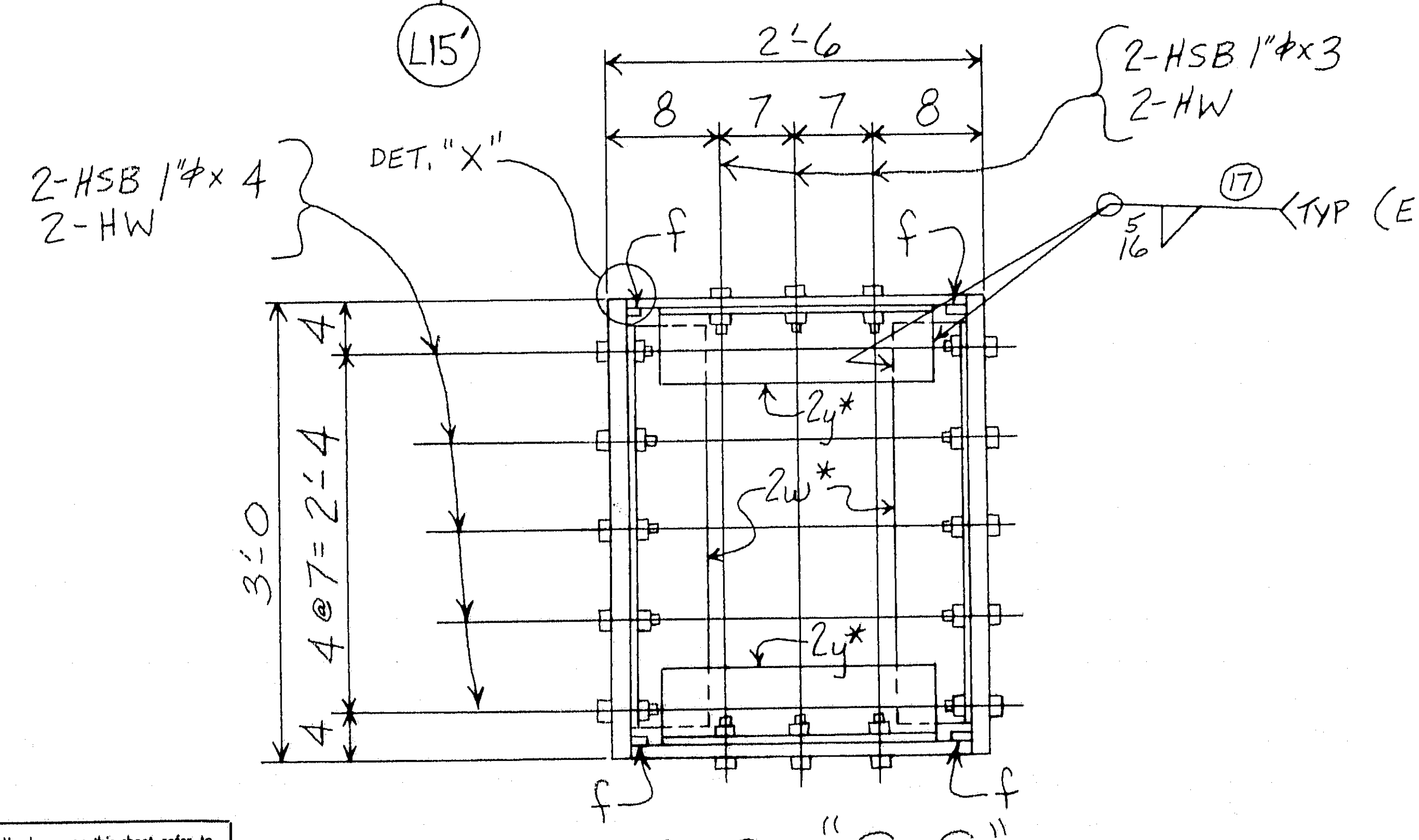
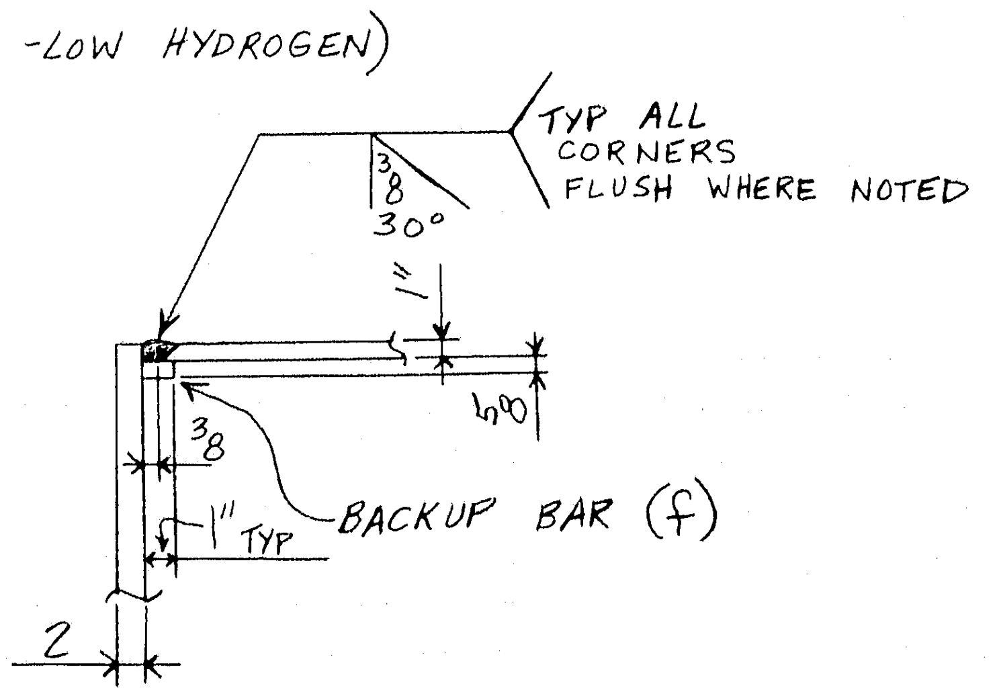


TIE - 281A

TIE - 281B OPP. HAND



SEC. "C-C"



DETAIL "X"

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CONSULTING ENGINEERS
NEW YORK, N. Y.
BY S.S. [illegible] FEB 4 1971

L15' - L16

LENGTH CORRECTED FOR TEMPERATURE

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

SEE SHT.# 281DD

NO.	DATE	INIT.
0		
9		
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A1	1-27	CAD

REVISION

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

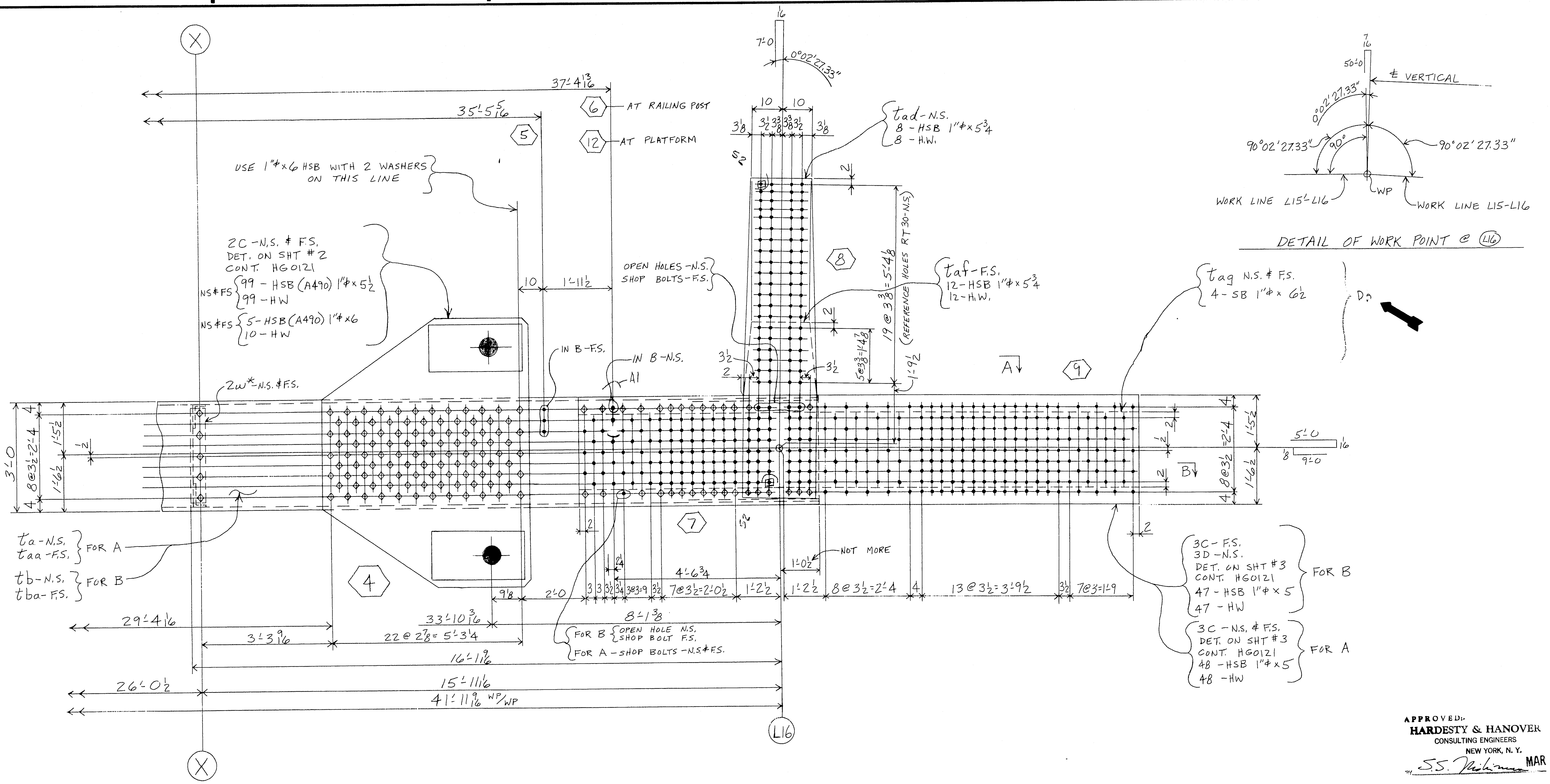
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY W.B. DATE 12-17-70 IN CHARGE L.G.
CHECKED BY C.A.D DATE 12-21-70 SHOP NO.
CONTRACT CG6290-065 DRAWING NO. 281AD

36663 (1-65)

121-139

For location of details shown on this sheet refer to diagrams.
E10



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CONSULTING ENGINEERS
NEW YORK, N. Y.
S.S. [illegible] MAR 11 1971

L15' - L16

LENGTH CORRECTED FOR TEMPERATURE

MATERIAL
RIVETS OR BOLTS
OPEN HOLES
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT
} SEE SHT # 281DD

NO.	DATE	INIT.
0		
9		
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D 3	3/1	CAD
S 2	2/10	LG
A 1	1-27	CAD

REVISION

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

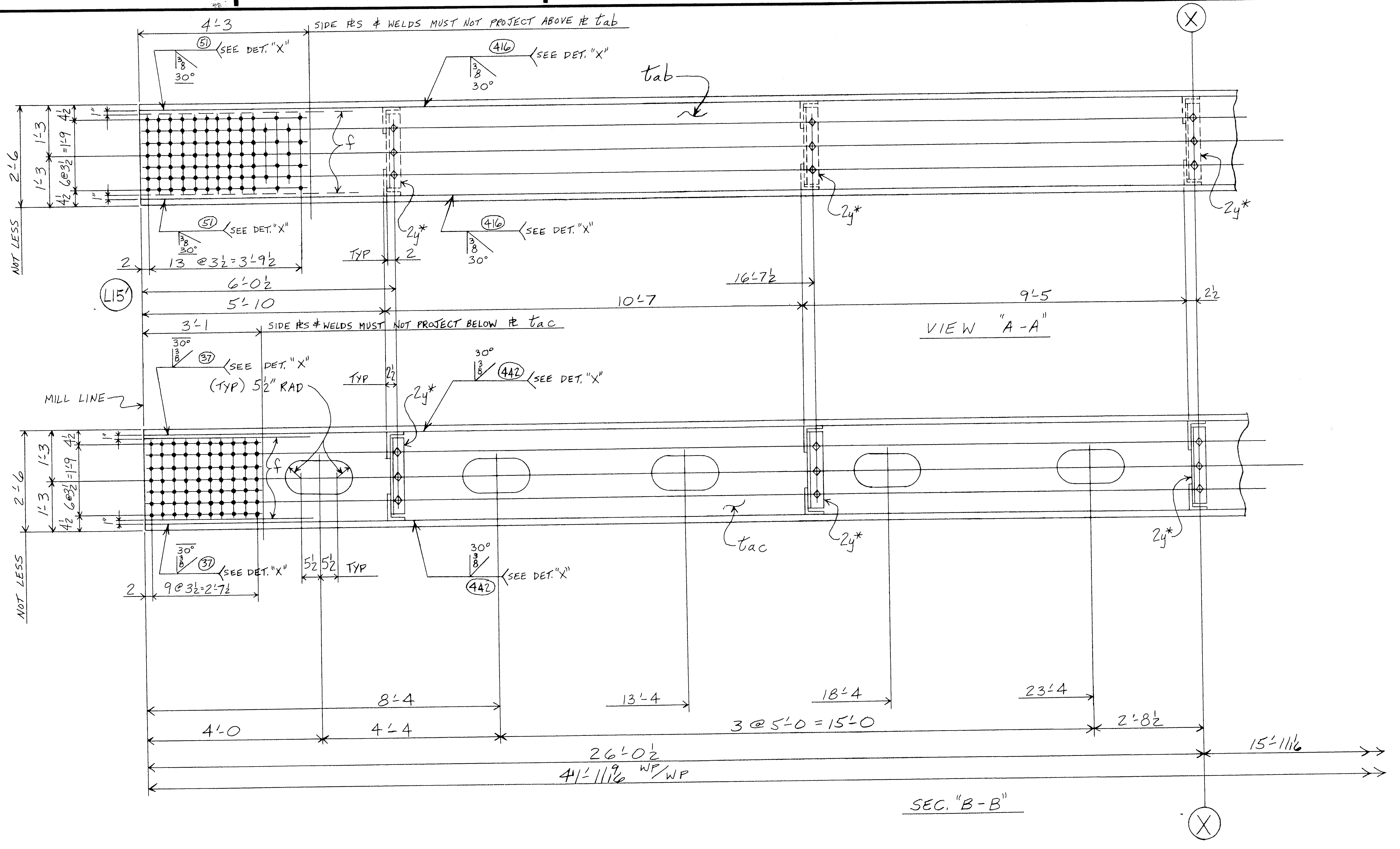
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY W.B. DATE 12-22-70 IN CHARGE L.G.
CHECKED BY C.A.D. DATE 12-31-70 SHOP NO.
CONTRACT CG6290-065 DRAWING NO. 281BD

36663 (1-65)

121-140

For location of details shown on this sheet refer to diagrams.
E10



APPROVED:-
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CONSULTING ENGINEERS
NEW YORK, N.Y.
BY S.S. JAN 21 1971

L15'-L16

LENGTH CORRECTED FOR TEMPERATURE

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

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

SEE SHT. # 281DD

NO.	DATE	INIT.
0		
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REVISION

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

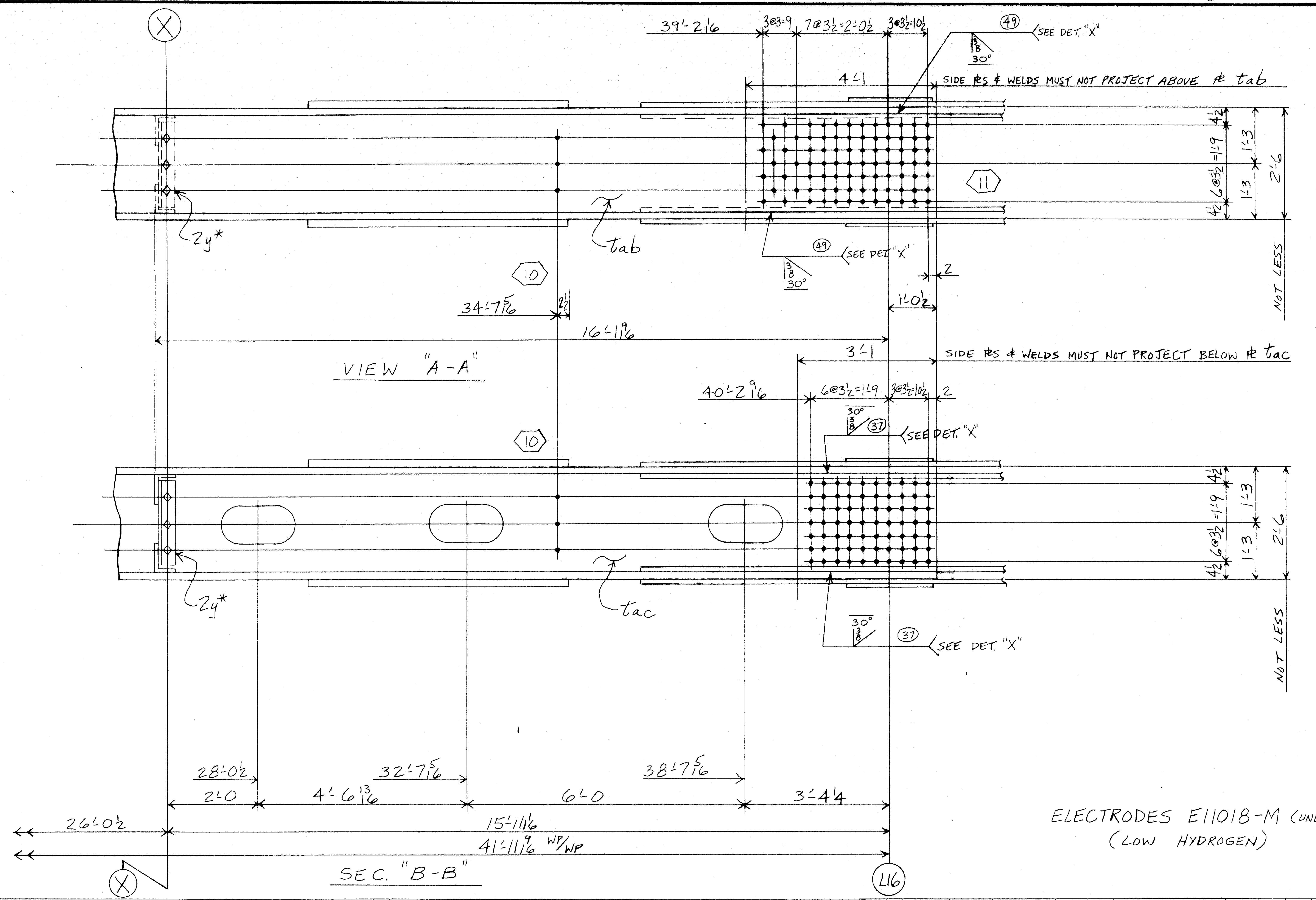
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM
CHICAGO WORKS
MADE BY W.B. DATE 12-22-70 IN CHARGE L.G.
CHECKED BY C.A.D DATE 12-31-70 SHOP NO.
CONTRACT CG6290-065 DRAWING NO. 281CD

36463 (1-65)

121-141



NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT FOR 22" x 11" SLOTS

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY S. S. Nishimura MAR 11 1971

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

ELECTRODES E11018-M (UNLESS NOTED)
(LOW HYDROGEN)

a b c
a
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c
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f
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m
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s
t
w
y

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

E10

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SHOP BILL SECTION SIZE	SIZE OR POUNDS	THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		2-	TIES	: 1-28	1A	&	1-281B									
②	2	t a	1	PL	36		2	43	0 1/16	A (MIE & T2W)			43	2¼		272	4
②	3	t aa	1	PL	36		2	43	0 1/16	A (MIE & T2W)			43	2¼		272	4
②	4	t b	1	PL	36		2	43	0 1/16	B (MIE & T2W)			43	2¼		272	4
②	5	t ba	1	PL	36		2	43	0 1/16	B (MIE & T2W)			43	2¼		272	4
Ⓜ	6	t ab	2	PL	25¼		1	43	0 1/16	MIE & T2W			43	2¼		277	3
Ⓜ	7	t ac	2	PL	25¼		1	43	0 1/16	MIE & T2W			43	2¼		277	3
	8	2w*	12	∠	6	4	½	2	7½				2	8		144	14
	9	2y*	12	∠	6	3½	½	1	9¾				2	1		144	13
	10	t ad	2	PL	24¾		¾	8	8⅛				8	9¼		220	2
	11	t af	2	PL	24¾		¾	4	8⅞				4	10¼		220	3
D1	12	t ag	4	PL	25⅛		1¾	15	4¾				15	6		221	2
	13												15	6		221	2
	14	f	8	BR	1		⅝	44	0 1/16							142	13
	15	3C	3	PL						2-A & 1-B DET. ON SHT #3 CONT. HG0121						220	6
	16	3D	1	PL						1-B DET ON SHT #3 CONT. HG0121						220	6
	17	2C	4	PL						DET ON SHT #2 CONT. HG0121						273	3
	18																
	19																
	20																
	21																

22																
23																
24		396	490	1"φ			0	5½	(ORDERED UNDER CONT. HG0121 ON SHT.						AM	1
25		20	490	1"φ			0	6	(ALSO DET. ON SHT #2 OF HG0121							
26		36	325	1"φ			0	3							AM	26
27		60	325	1"φ			0	4							AM	26
28		95	325	1"φ			0	5	47-B & 48-A						AM	38
29		40	325	1"φ			0	5¾							AM	38
30																
31		8	MB	1"φ			0	6½	RHH & RHN (S.B.)						AM	39
32																
33																
34		436	HW	2	1 1/16	3/16			ATTACHED (ORD. ON HG0121-SHT AM1-DETAILED ON SHT 2-HG0121							
35		231	HW	2	1 1/16	3/16										
36																
37	FW	2	WD			5/16	17	0								
38	B30	2	WD			1"	172	0								
39																
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M20	NO.	DESCRIPTION	MARK	REMARKS
1	1	TIE 9'-1 x 3'-1 x 52'-0	281B	
1	1	" "	281A	

INST.	REQUIRED LIST

L15-L16

LENGTH CORRECTED FOR TEMPERATURE

MATERIAL { ASTM-A517 PREFIX-t ; ASTM-A36 PREFIX-NONE }
RIVETS OR BOLTS — 1"φ
OPEN HOLES — 1 1/16"φ
A325 FIELD BOLTS —
SHOP CONTACT SURFACES — NO PAINT
WELDING — AS NOTED
PAINT — 1 CT. RED LEAD AASHO-M72 TYPE II SEE NOTE "X"

NO.	DATE	INIT.
0		
9		
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D1	3-1	CAD

REVISION

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

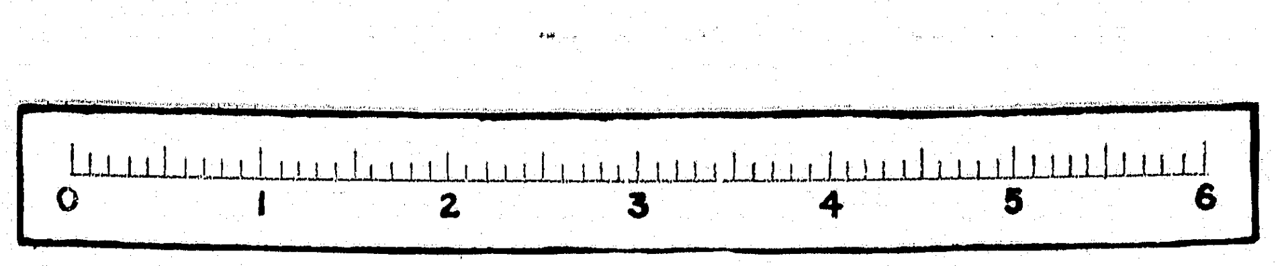
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

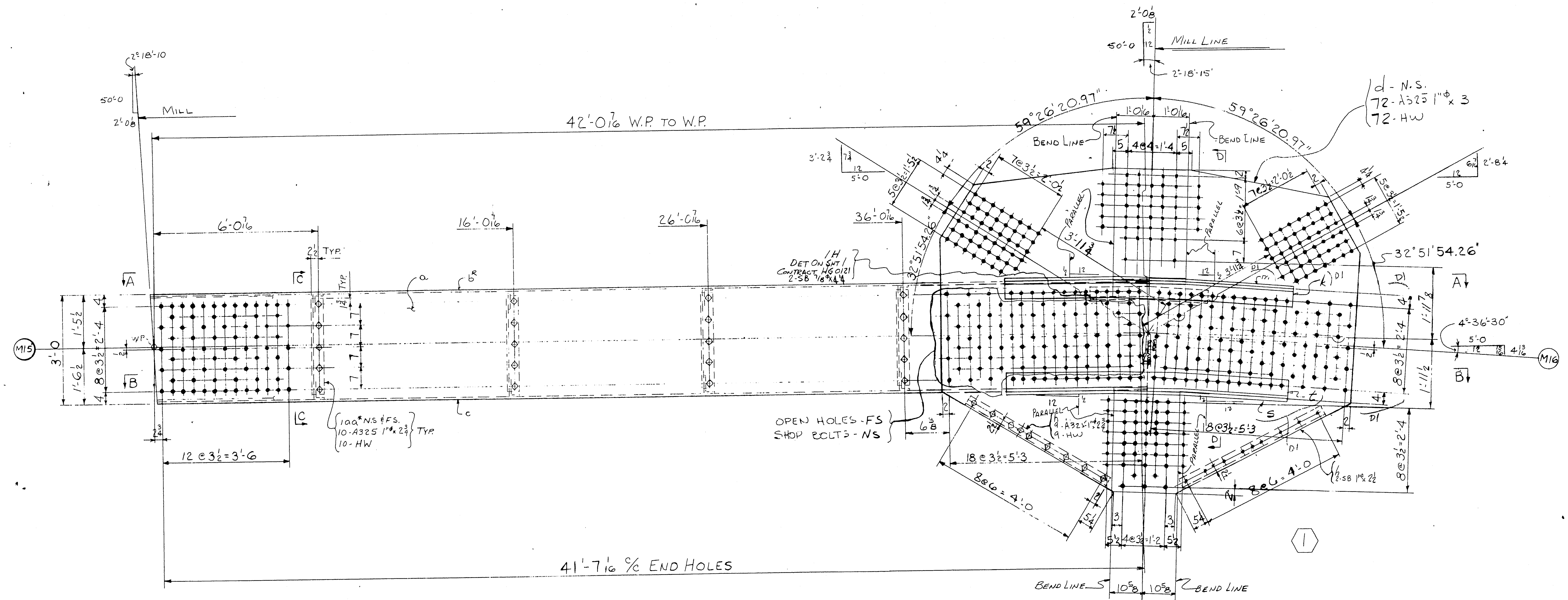
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY W.B. DATE 12-22-70 IN CHARGE L.G.
CHECKED BY C.A.D. DATE 12-31-70 SHOP NO.
CONTRACT CG6290-065 DRAWING NO. 281DD

35042 (Rev.E 8-69)

NC TAPE 121-142





MIDDLE CHORD 282 A^R (M16 TO M15')

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Anibal Novitzky FEB 11 1971

MIDDLE CHORD - M16 TO M15'

REVISION		
NO	DATE	INIT.
D	2/1	RP

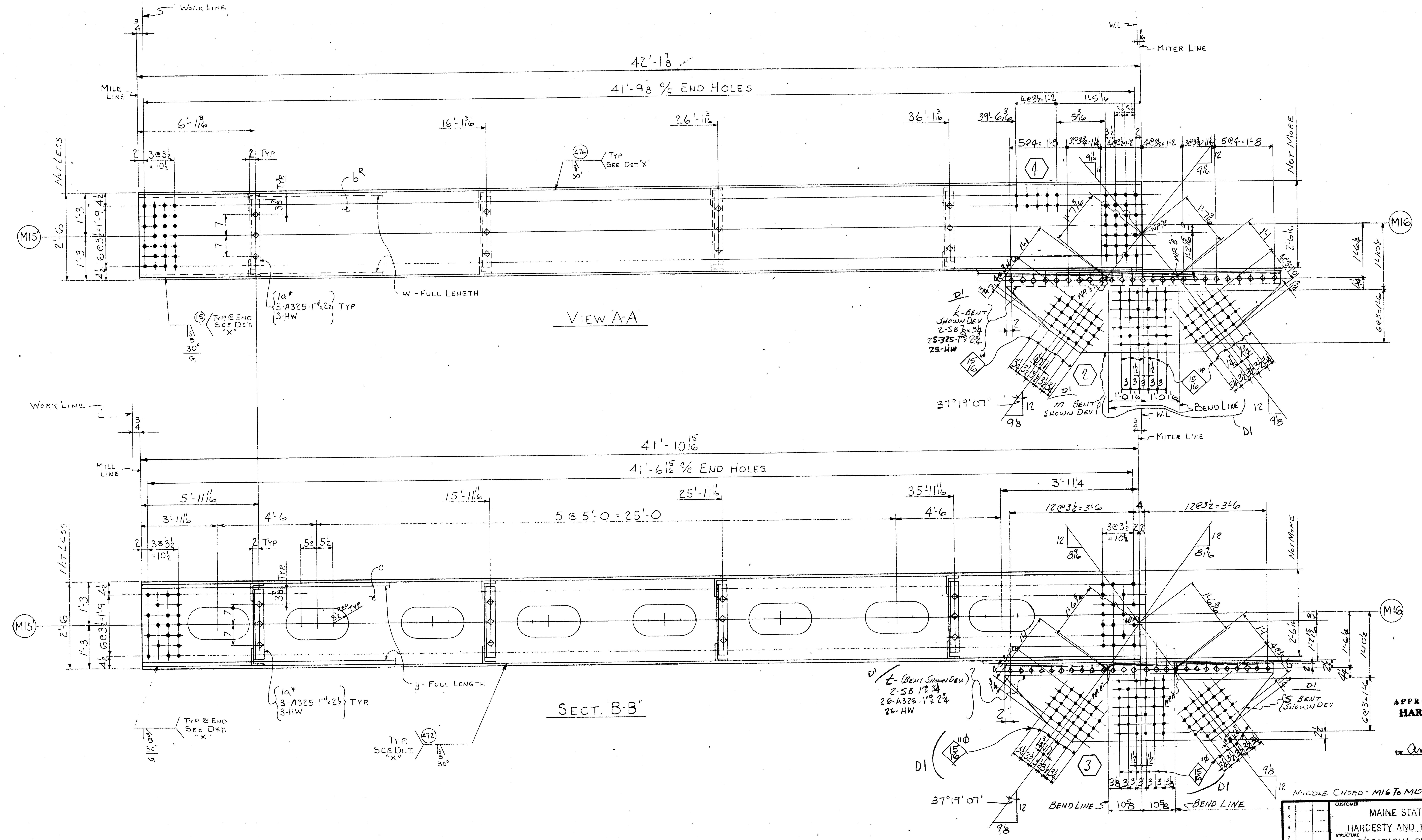
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JF DATE 12-15-70 IN CHARGE LAG
CHECKED BY RP DATE 12-19-70 SHOP NO.
CONTRACT CG 6290-060 DRAWING NO. 282AC

121-143

For location of details shown on this sheet refer to diagram
E10



APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY Arnold Novitzky FEB 11 1971

MIDDLE CHORD - M16 TO M15'

NO.	DATE	INIT.
D1	2/1	RP

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

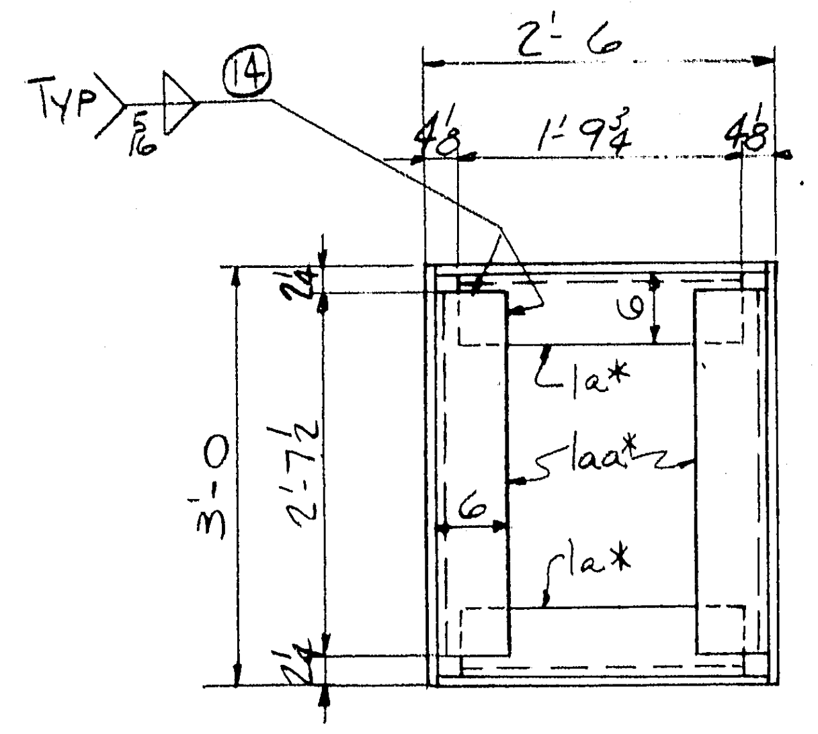
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO

CHICAGO DRAFTING ROOM
MADE BY JF DATE 12-16-70 IN CHARGE LAG
CHECKED BY RP DATE 12-19-70 SHOP NO.
CONTRACT CG6290-060 DRAWING NO. 282

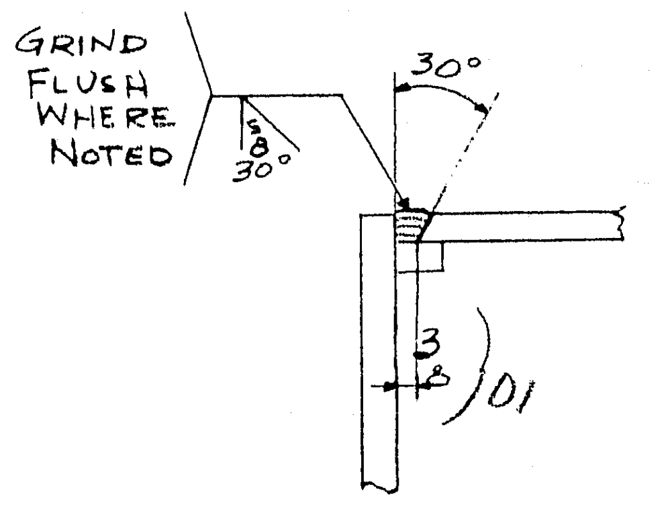
121-144 C TAPE

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

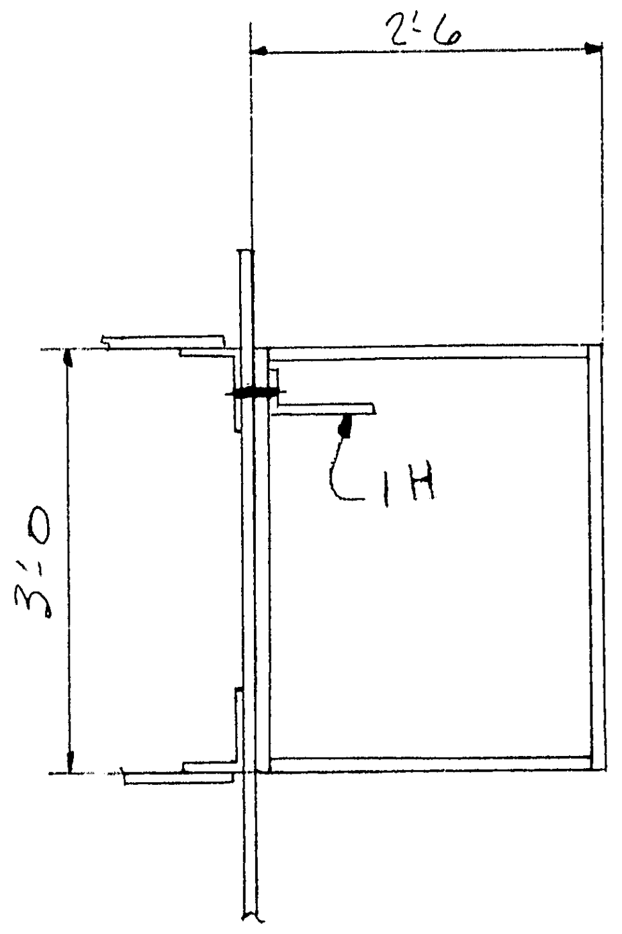
E10



SECT. "C-C"



DETAIL "X"



SECT "D-D"

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SIZE	SIZE OR POUNDS	THICK	FT.	IN.	REMARKS	WIDTH	THICK	FT.	IN.	STOCK	PAGE	LINE
	1		2	MIDDLE CHORDS						1-282A^R & 1-282A^L							
②	2	a	4	PL	36		3/4	42	1 7/8	M2E-T2W						143	3
Ⓜ	3	b^R	1	PL	27 3/4		5/8	42	1 7/8	M2E-T2W						143	4
Ⓜ	4	c	2	PL	27 3/4		5/8	41	10 5/16	M2E-T2W						143	4
	5	d	2	PL	10 7/8		3/4	11	6							212	1
	6	1aa*	16	L	6	4	1/2	2	7 1/2							144	11
	7	1a*	16	L	6	3 1/2	1/2	1	9 3/4							144	12
	8	h	4	L	4	4	1/2	4	4							212	4
	9	W	4	BR	1		5/8	43	2	BACK-UP BARS						143	6
	10	Y	4	BR	1		5/8	42	11	BACK-UP BARS						143	6
	11																
	12	FW	2	WD			5/16	18	8								
	13	B30	2	WD			5/8	168	2								
	14																
	15		200	325	1"φ			0	2 3/4							AM	26
	16		48	325	1"φ			0	2 1/2							AM	26
	17		144	325	1"φ			0	3							AM	26
	18		392	HW	2"φ	1 1/16"φ	3/16									AM	26
	19																
	20		4	MB	7/8"φ			0	2 1/2	RHH-RHN (SB)							
	21		8	MB	7/8"φ			0	3 1/4	RHH-RHN (SB)							
	22		4	MS	7/8"φ			0	4 1/4	RHH-RHN (SB)							
	23																
	24	K	2	L	6	4	3/4	7	10 5/8	BENT						212	2
	25	m	2	PL	26 3/4		5/8	7	10 5/8	BENT						212	6
D2	26	s	2	PL	26 3/4		5/8	7	8	BENT						212	7
	27	t	2	L	6	4	3/4	7	8	BENT						212	3
	28																
	29	1H	2	L	7	4	3/4	3	2 1/8	DET ON SHT CONT. HG012							
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APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
FEB 11 1971
BY Anele Novitzky

NOTE: Shop Bolt Heads [illegible]
On Outside [illegible]

NOTE: Length Corrected for Temperature

MIDDLE CHORD - M16-To-M15'

INST.			NO.	DESCRIPTION	MARK	REMARKS
	1		1	MIDDLE CHORD	282A^R	8'3 × 5'0 × 47'-9
	1		1	↓ ↓	282A^L	↓ ↓ ↓
	M20					

REQUIRED LIST

NOTE X

Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11"×22" HAND HOLES

ELECTRODES - E70XX
LOW HYDROGEN

MATERIAL ASTM-A36
~~RIVETS OR~~ BOLTS 1"φ UN
OPEN HOLES 1 1/16"φ UN
A325 FIELD BOLTS
SHOP CONTACT SURFACES N.P.
WELDING AS SHOWN
PAINT One Shop Coat Red Lead
AASHO - M72, Type II
See Note "X"

NO.	DATE	INIT.
0		
9		
8		
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D2	2/1	RP
D1	1/26	RP

REVISION

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

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENGIR.
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 12-17-70 IN CHARGE L. GOTHBERG
CHECKED BY RP DATE 12-17-70 SHOP NO.
CONTRACT CG6290-060 DRAWING NO. 282CC

35453 (Rev.D 8-69)

121-14-5

	a	b	c
a			
b			
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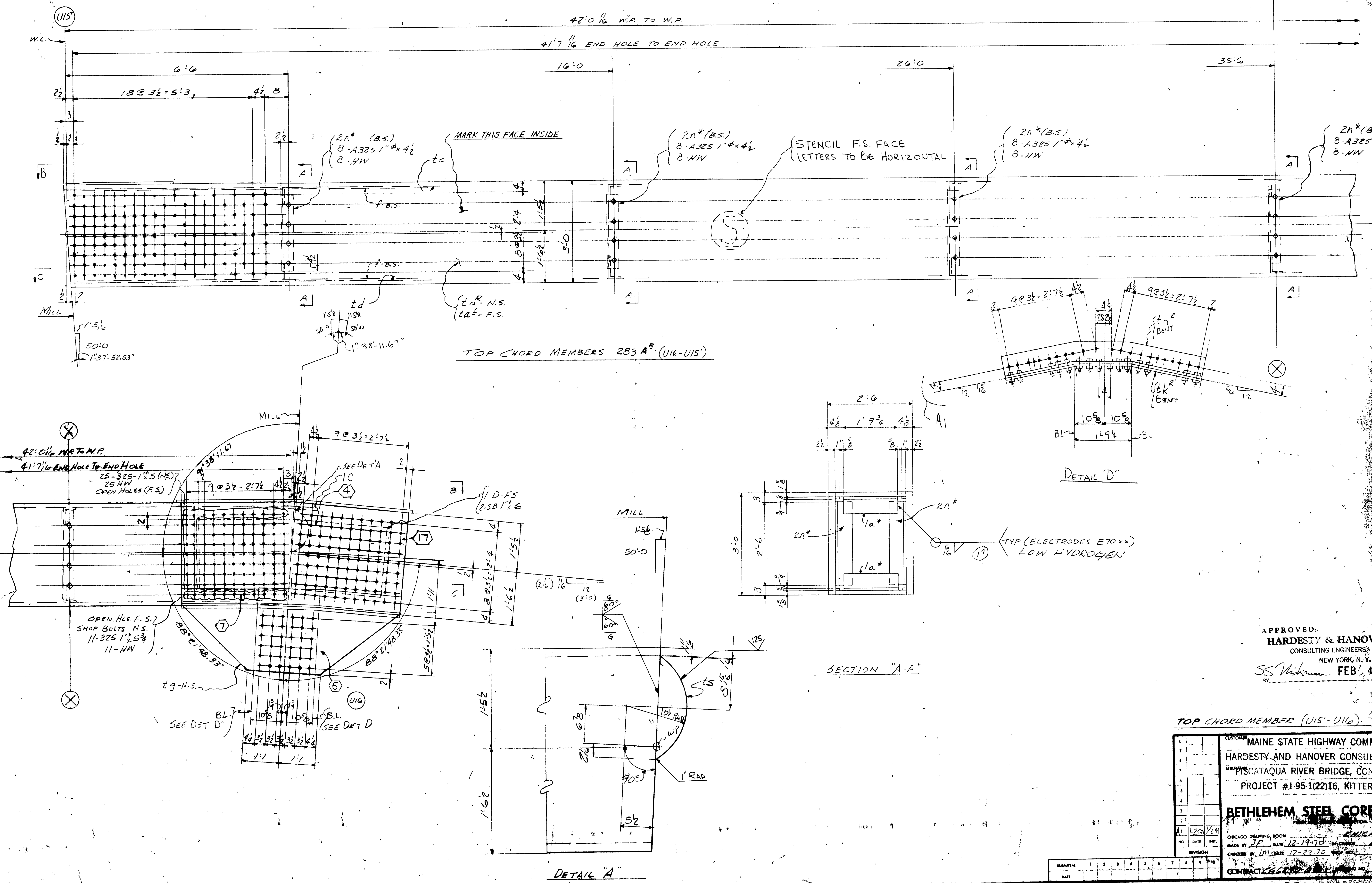
s			
t			
w			
y			

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

E10



APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY S.S. Nishimura FEB 4 1971

TOP CHORD MEMBER (U15'-U16)

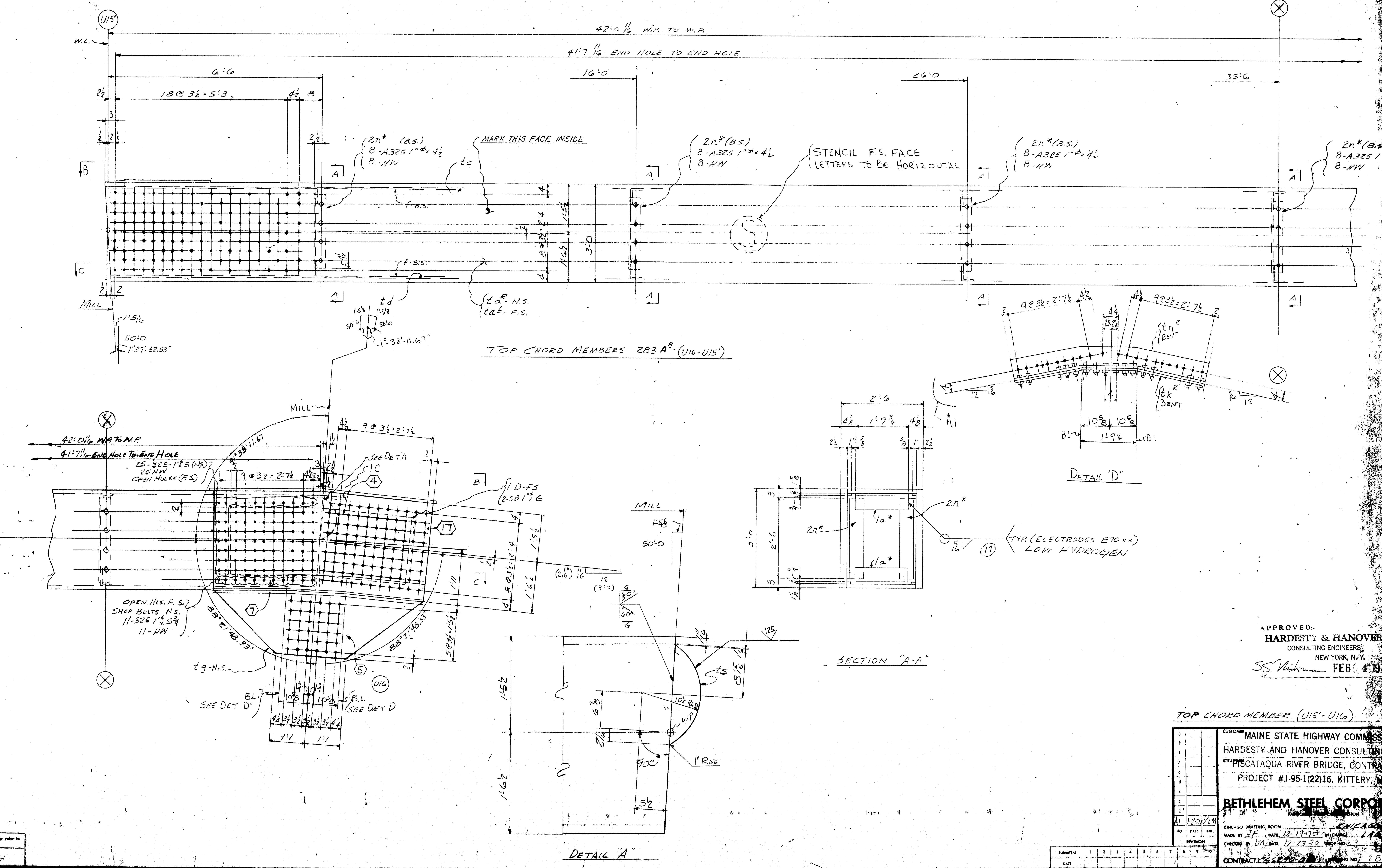
CUSTOMER MAINE STATE HIGHWAY COMMISS
HARDESTY AND HANOVER CONSULTING ENGR.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRA
PROJECT #I-95-1(22)16, KITTERY,

BETHLEHEM STEEL CORPO

NO	DATE	INIT.
A1	1-25-71	LM

CHICAGO DRAFTING ROOM CHICAGO
MADE BY JF DATE 12-19-70 IN CHARGE LAC
CHECKED BY LM DATE 12-23-70 SHOP NO.
CONTRACT CG 6890-A NO. 283

121-146



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CONSULTING ENGINEERS
NEW YORK, N.Y.
BY S.S. Nishimura FEB 4 1971

TOP CHORD MEMBER (U15'-U16)

NO	DATE	INIT.
A1	1-25-71	LM

REVISION

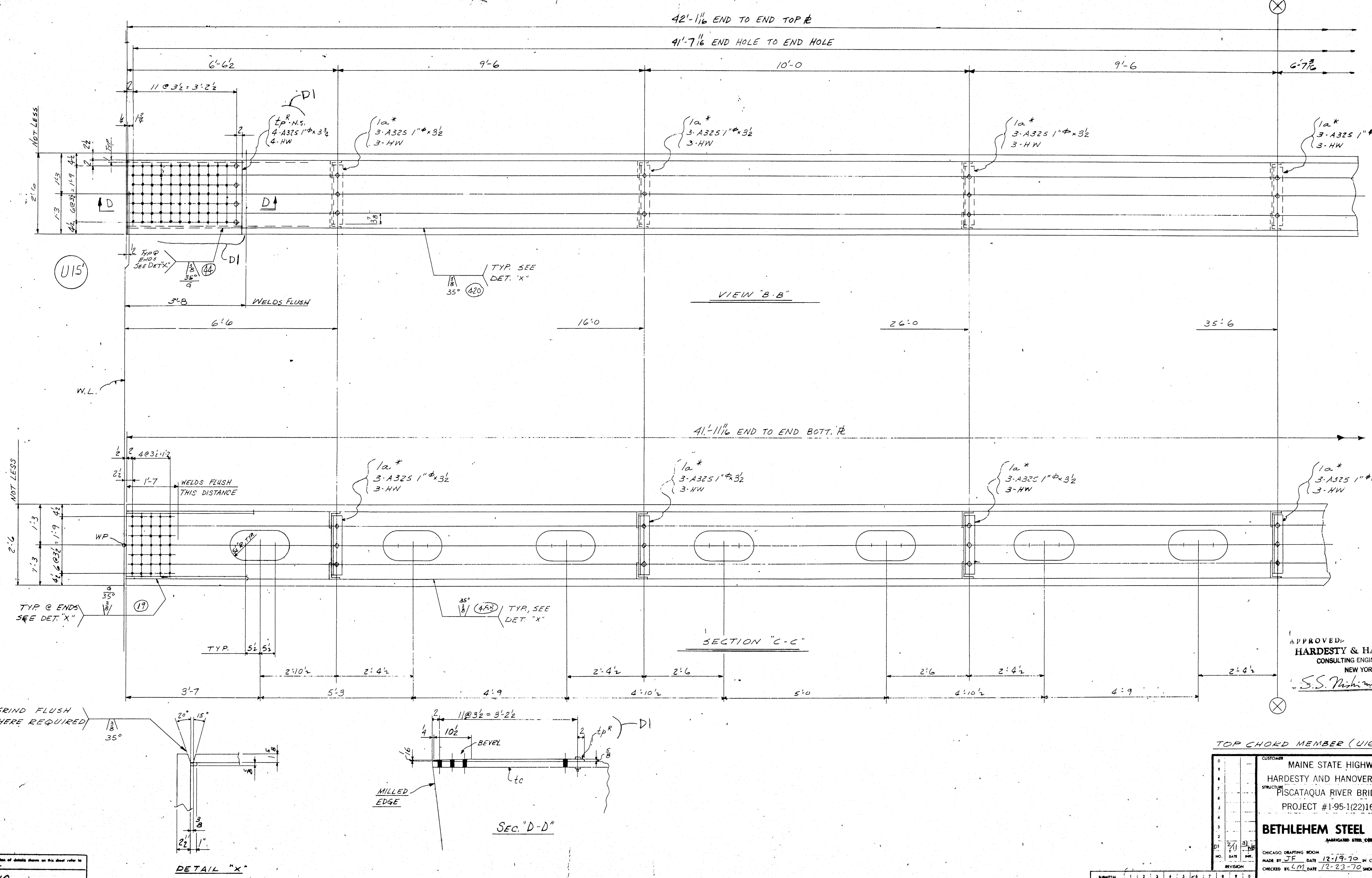
CUSTOMER MAINE STATE HIGHWAY COMMISS
HARDESTY AND HANOVER CONSULTING
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRA
PROJECT #I-95-1(22)16, KITTERY,

BETHLEHEM STEEL CORPO

CHICAGO DRAFTING ROOM CHICAG
MADE BY JF DATE 12-19-70 IN CHARGE LA
CHECKED BY LM DATE 12-23-70 SHOP NO.
CONTRACT CG6 DRAWING NO. 283

121-146

#10



APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
FEB 24 1971
S.S. Nishimura

TOP CHORD MEMBER (U16-U15')

NO.	DATE	INIT.
0		
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7		
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D1	2/11	3) WB

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

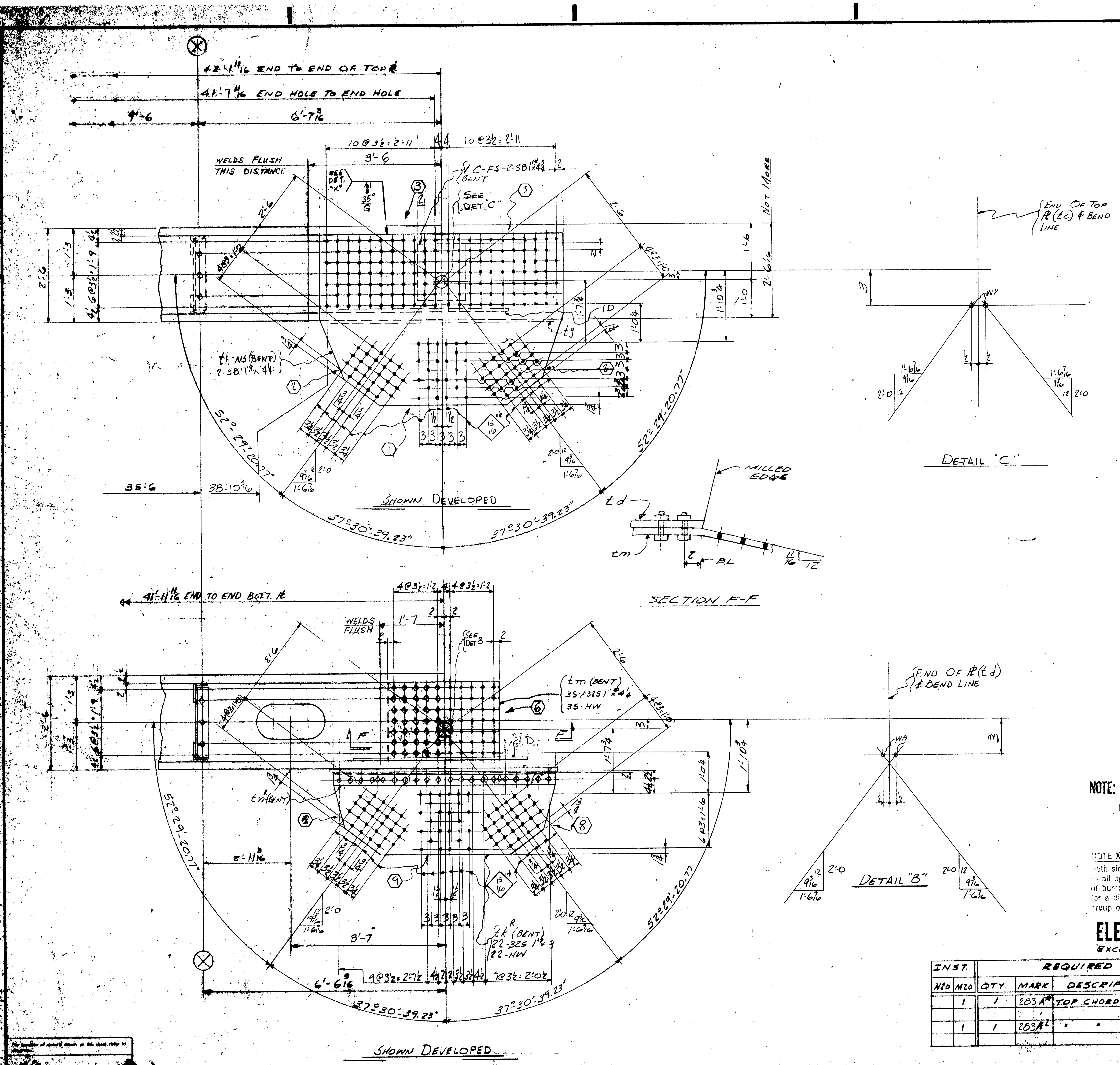
BETHLEHEM STEEL CORPORATIO
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO
MADE BY JF DATE 12-19-70 IN CHARGE LAG
CHECKED BY LM DATE 12-23-70 SHOP NO.
CONTRACT CG 6290-061 DRAWING NO. 283

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

E10

121-147



PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT	LENGTH IN	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT	MILL ORDER LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1																
	2		2-TOP CHORD MEMBERS 1-283 A^R - 1-283 A^L														
②	3	t a^R_L	R/2	PL	36		2½	42	1 11/16	MZE T2W						126	01
	4																
Ⓜ	5	t c	2	PL	24¼		1⅝	42	1 11/16	MZE T2W						127	01
Ⓜ	6	t d	2	PL	24¼		1⅝	41	11 1/16	MZE T2W						127	01
	7	f	8	BR	1		⅝	43	1	BK UP BARS							
	8	t g	2	PL	60		1	6	9⅞							210	01
	9	t h	2	PL	54½		1⅛	6	10	BENT						210	3
	10	t k^R_L	1/1	PL	26		¾	6	8	BENT						210	4
	11	t m	2	PL	25		1⅛	3	0	BENT						210	5
	12	t n^R_L	1/1	L	8	8	⅞	6	8	BENT (CT 6x4						153	13
	13	1a*	16	L	6	3½	½	1	9¾	A36							
D1	14	t p^R_L	1/1	PL	27½		⅝	3	6¼	(FILL)						208	[illegible]
	15	2n*	16	L	6	4	½	2	6	A36							
	16	t s	2	BR	5		2½	1	5⅞	M1W & T1W							
	17	1D	2	PL	26		1	5	7⅝	DET ON CONT HG 0121 SHT "1"							
	18																
	19																
	20																
	21																
	22		4	MB	1"φ			0	6	RHH RHN (SB)						AM39	
	23																
	24		4	MB	1"φ			0	4¼	RHH RHN (SB)						AM39	
	25		4	MB	1"φ			0	4¾	RHH RHN (SB)						AM39	
	26		48	325	1"φ			0	3½							AM38	
	27		8	325	1"φ			0	3¾							AM38	
	28		70	325	1"φ			0	4¼							AM38	
	29		64	325	1"φ			0	4½							AM38	
	30		50	325	1"φ			0	5							AM38	
	31		44	325	1"φ			0	3							AM38	
	32		22	325	1"φ			0	5¾							AM38	
	33		306	HW	2"φ	1 1/16	3/16									AM38	
	34	FW	2	WD			5/16	22	8								
	35	V35	2	WD			⅝	168	0								
	36																
	37																
	38	1C	2	PL	18		½	1	7	DET ON CONT HG0121 SHT #1							
	39																
	40																
	41																
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	43																
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	45																
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APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
FEB 24 1971
BY S. S. Nishimura

LENGTH CORR. FOR TEMP.

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11"x22" HLS.

ELECTRODES E11018 LOW HYDROGEN
EXCEPT WHERE NOTED

INST.		REQUIRED LIST			
H20	M20	QTY.	MARK	DESCRIPTION	REMARKS
	1	1	283A^R	TOP CHORD MEMBER	5'-0x4'-10x45'-1
					[illegible]
	1	1	283A^L	" " "	5'-0x4'-10x45'-1

SHAPES T1 } PREFIX "t"
PLs - A517 }
MATERIAL A36 - NO PREFIX
RIVETS OR BOLTS A325 1"φ U.N.
OPEN HOLES 1 1/16"φ U.N.
A325 FIELD BOLTS 1"φ U.N.
SHOP CONTACT SURFACES N.P.
WELDING AS NOTED
PAINT 1-CT. RED LEAD AASHO M72 TYPE II U.N. SEE NOTE "X"

TOP CHORD MEMBER (U16-U15')

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
D1	2/11	WB

REVISION

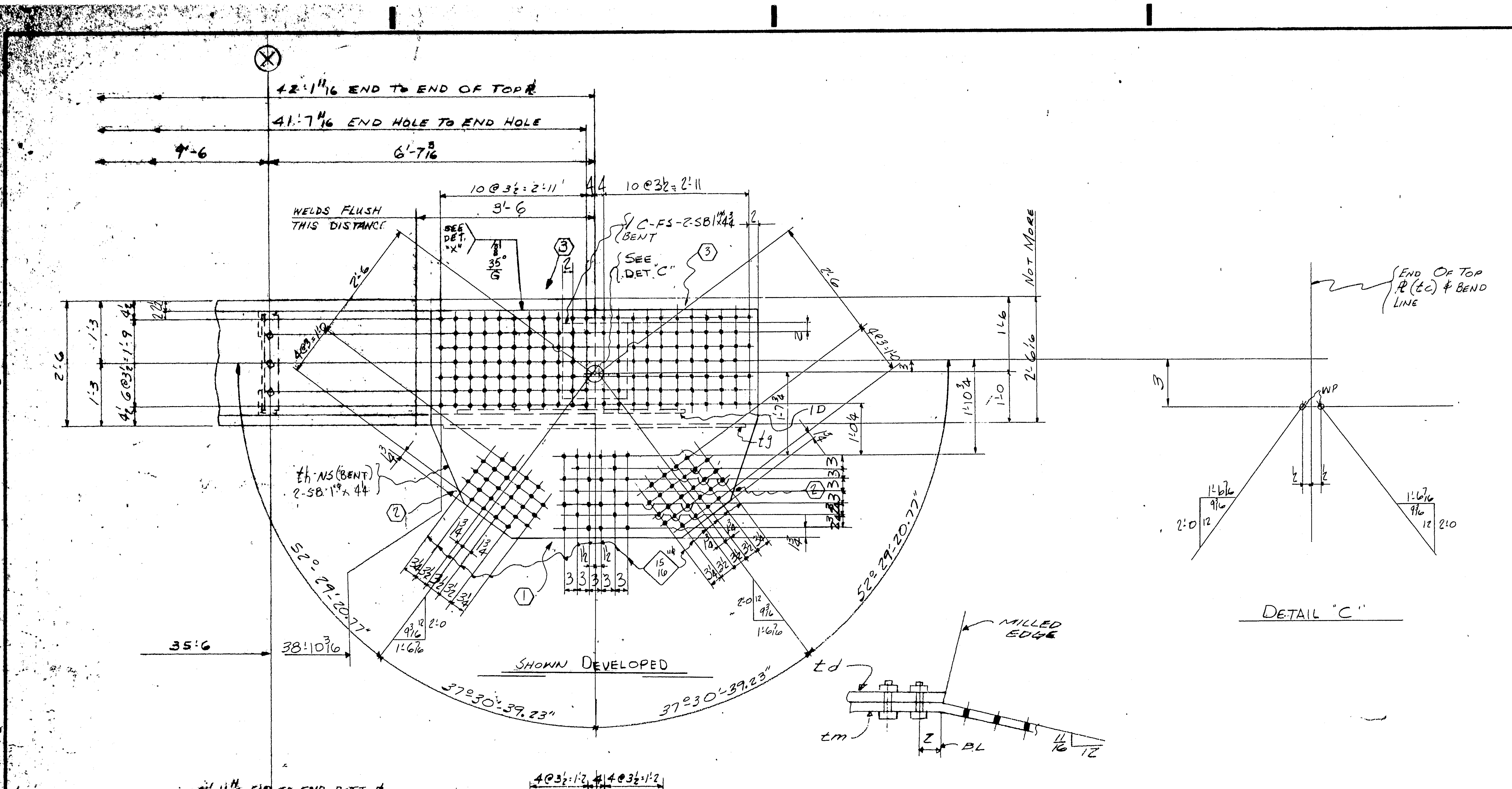
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

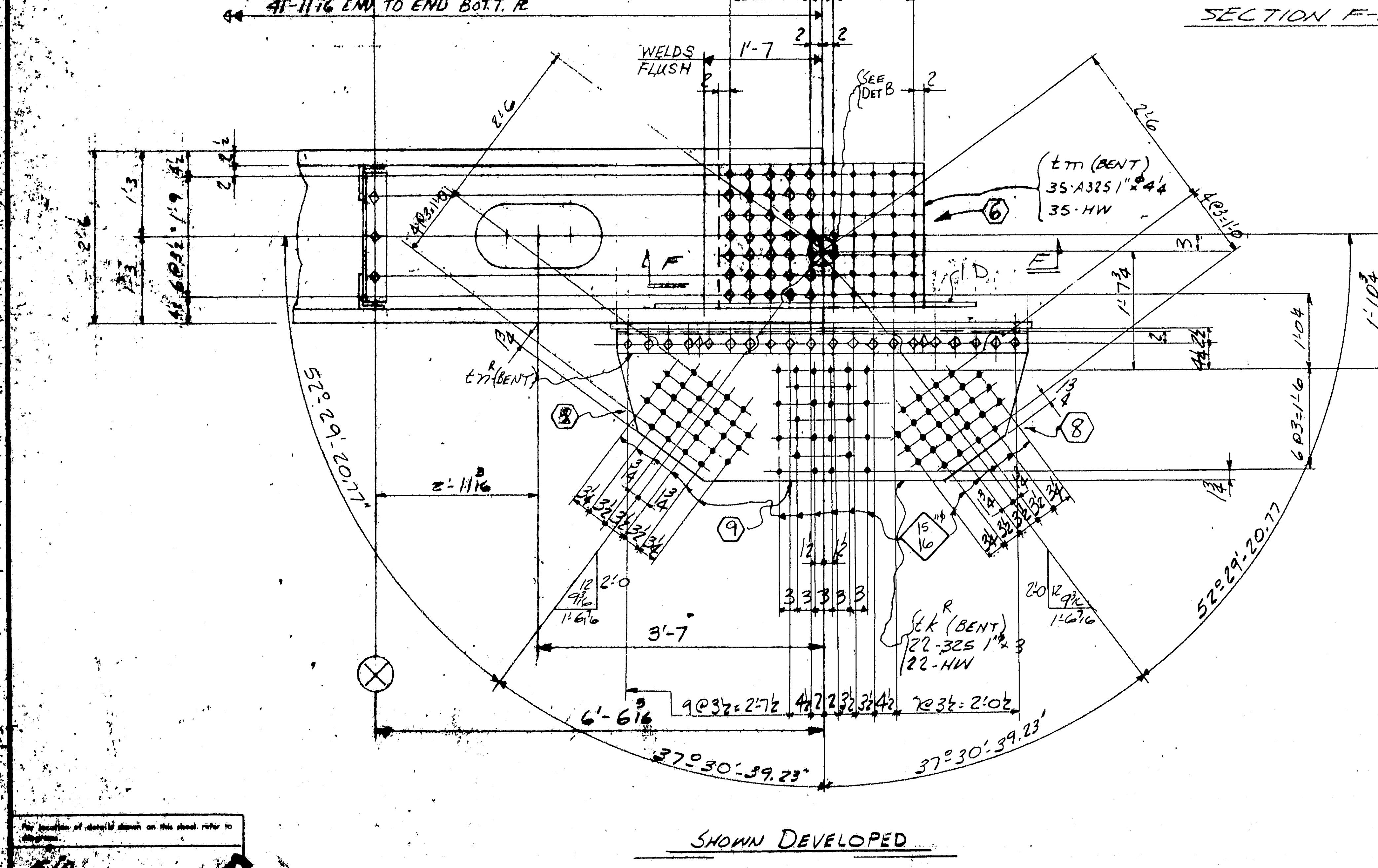
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

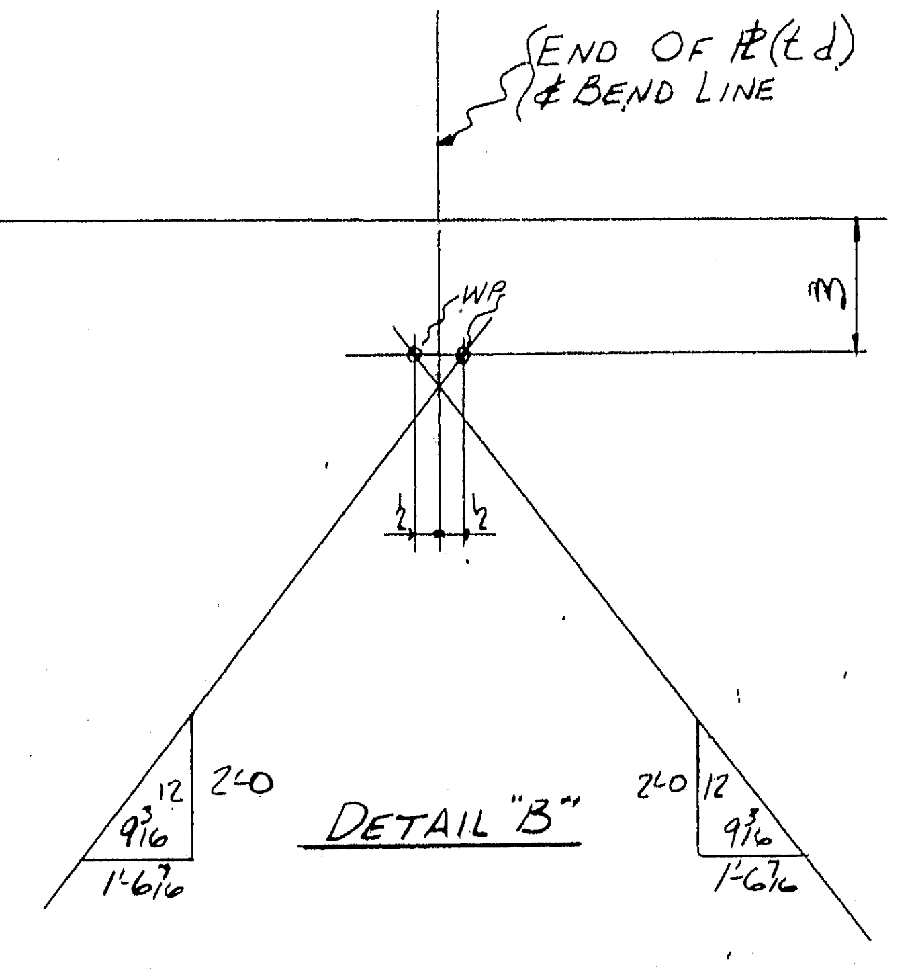
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO
MADE BY JF DATE 12-19-70 IN CHARGE LAB
CHECKED BY LM DATE 12-22-70 SHOP NO.
CONTRACT C6 6290-061 DRAWING NO. 283 [illegible]

121-148







PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	THICK	LENGTH FT	LENGTH IN	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT	LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1																
	2		2 - TOP CHORD MEMBERS 1-283 A^{R} - 1-283 A^{L}														
②	3	t a$^{R}_{L}$	2/2	PL	36		2½	42	1 11/16	M2E T2W						126	01
	4																
Ⓜ	5	t c	2	PL	24¼		1 5/8	42	1 11/16	M2E T2W						127	01
Ⓜ	6	t d	2	PL	24¼		1 5/8	41	11 11/16	M2E T2W						127	01
	7	f	8	BR	1		5/8	43	1	BK UP BARS							
	8	t g	2	PL	60		1	6	9 7/8							210	01
	9	t h	2	PL	54½		1 1/8	6	10	BENT						210	3
	10	t k$^{R}_{L}$	1/1	PL	26		3/4	6	8	BENT						210	4
	11	t m	2	PL	25		1 1/8	3	0	BENT "						210	5
	12	t n$^{R}_{L}$	1/1	L	8	8	7/8	6	8	BENT (CT 6x4						153	13
	13	1a*	16	L	6	3½	½	1	9¾	A36							
D1	14	t p$^{R}_{L}$	1/1	PL	27½		5/8	3	6¼	(FILL)						208	04
	15	2n*	16	L	6	4	½	2	6	A36							
	16	t s	2	BR	5		2½	1	5 7/8	M1W & T1W							
	17	1D	2	PL	26		1	5	7 5/8	DET ON SHT #1 CONT HG0121							
	18																
	19																
	20																
	21																
	22		4	MB	1"φ			0	6	RHH RHN (SB)						AM39	
	23																
	24		4	MB	1"φ			0	4¼	RHH RHN (SB)						AM39	
	25		4	MB	1"φ			0	4¾	RHH RHN (SB)						AM39	
	26		48	325	1"φ			0	3½							AM38	
	27		8	325	1"φ			0	3¾							AM38	
	28		70	325	1"φ			0	4¼							AM38	
	29		64	325	1"φ			0	4½							AM38	
	30		50	325	1"φ			0	5							AM38	
	31		44	325	1"φ			0	3							AM38	
	32		22	325	1"φ			0	5¾							AM38	
	33		306	HW	2"φ	1 1/16	3/16									AM38	
	34	FW	2	WD			5/16	22	8								
	35	V35	2	WD			3/8	168	0								
	36																
	37																
	38	1C	2	PL	18		½	1	7	DET ON SHT #1 CONT HG0121							
	39																
	40																
	41																
	42																
	43																
	44																
	45																
	46																
	47																
	48																
	49																
	50																
	51																
	52																
	53																
	54																
	55																
	56																
	57																
	58																
	59																
	60																
	61																
	62																

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
FEB 24 1971
BY S.S. Nishimura

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11"x22" HLS.

LENGTH CORR. FOR TEMP.

ELECTRODES E11018 LOW HYDROGEN
EXCEPT WHERE NOTED

INST.		REQUIRED LIST			
H20	M20	QTY.	MARK	DESCRIPTION	REMARKS
	1	1	283 A^{R}	TOP CHORD MEMBER	5'-0 x 4'-10 x 45'-1
	1	1	283 A^{L}	" " "	5'-0 x 4'-10 x 45'-1

MATERIAL { SHAPES T1 } PREFIX "t" / PLs - A517 / A36 - NO PREFIX
RIVETS OR BOLTS A325 1"φ U.N.
OPEN HOLES 1 1/16"φ U.N.
A325 FIELD BOLTS 1"φ U.N.
SHOP CONTACT SURFACES N.P.
WELDING AS NOTED
PAINT 1-CT. RED LEAD AASHO M72 TYPE II U.N. SEE NOTE "X"

TOP CHORD MEMBER (U16-U15)

REVISION NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
D1	2/11	WB

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

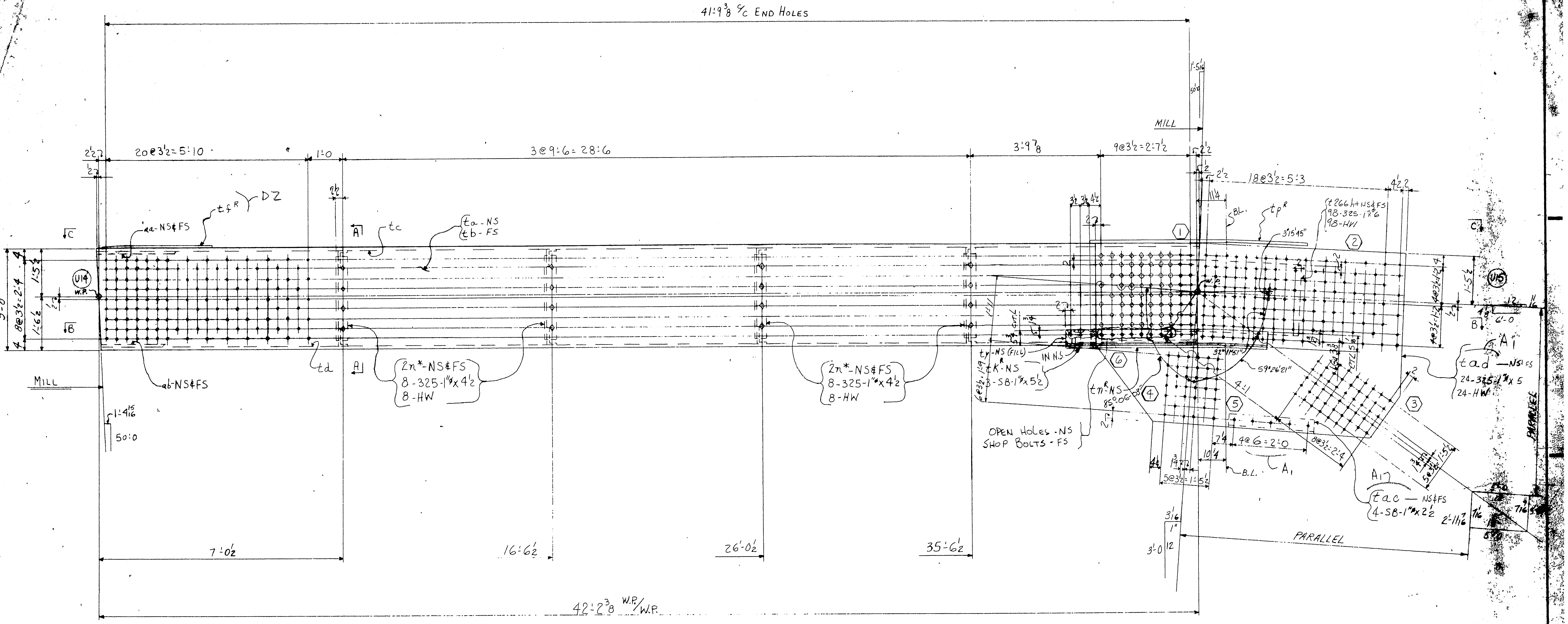
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JF DATE 12-19-70 IN CHARGE LAG
CHECKED BY LM DATE 12-22-70 SHOP NO.
CONTRACT C6 6290-061 DRAWING NO. 283 C

For location of detail dwgs on this sheet refer to diagrams.

210

121-148



TOP CHORD MEMBER 284A^R (U14'-U15')

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NEW YORK, N. Y. FEB 24 1971
BY S. S. Nishimura

TOP CHORD MEMBER (U14'-U15')

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	2/11	WB
A1	1/25/71	LM

REVISION

CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #6
PROJECT #I-95-1(22)16, KITTERY, MAINE

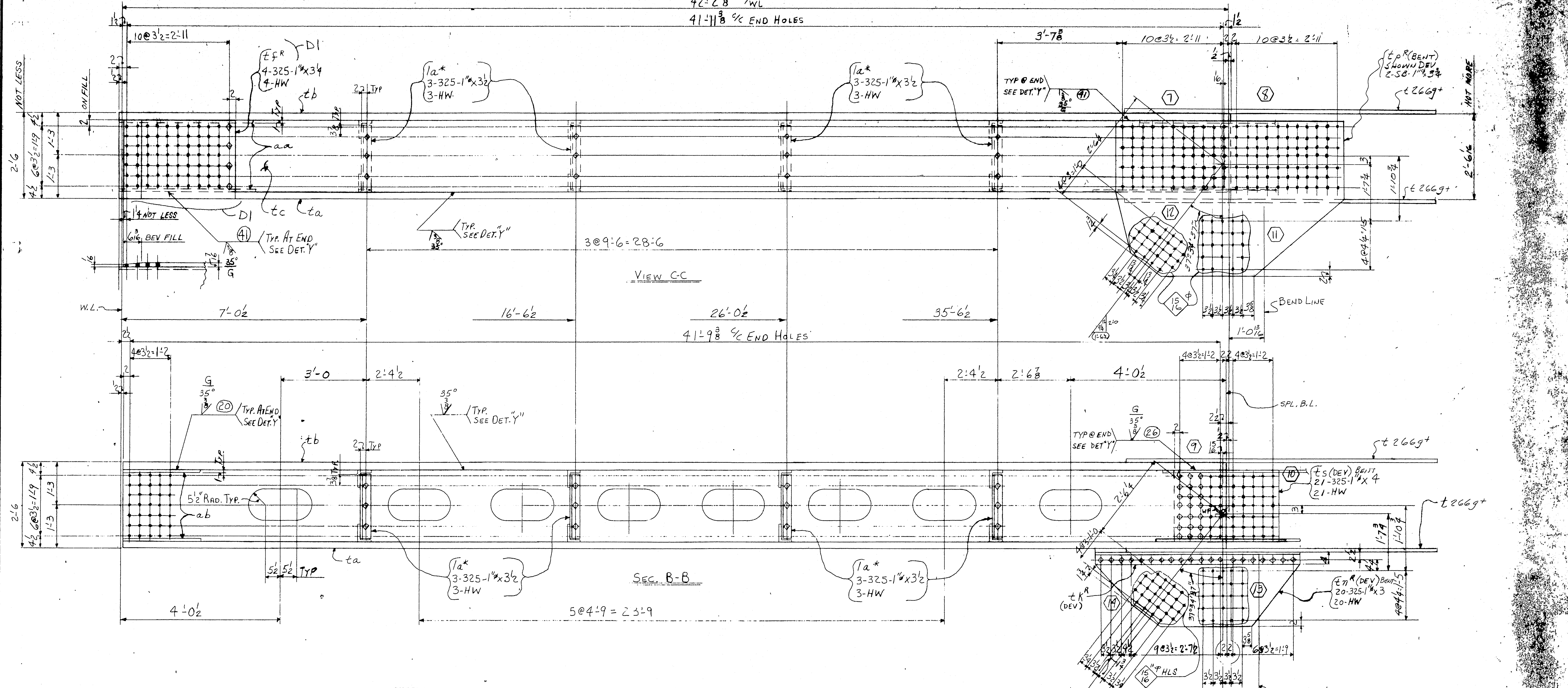
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO
MADE BY JF DATE 12-19-70 IN CHARGE
CHECKED BY LM DATE 12-22-70 SHOP NO.
CONTRACT CG6290-061 DRAWING NO 284 AC

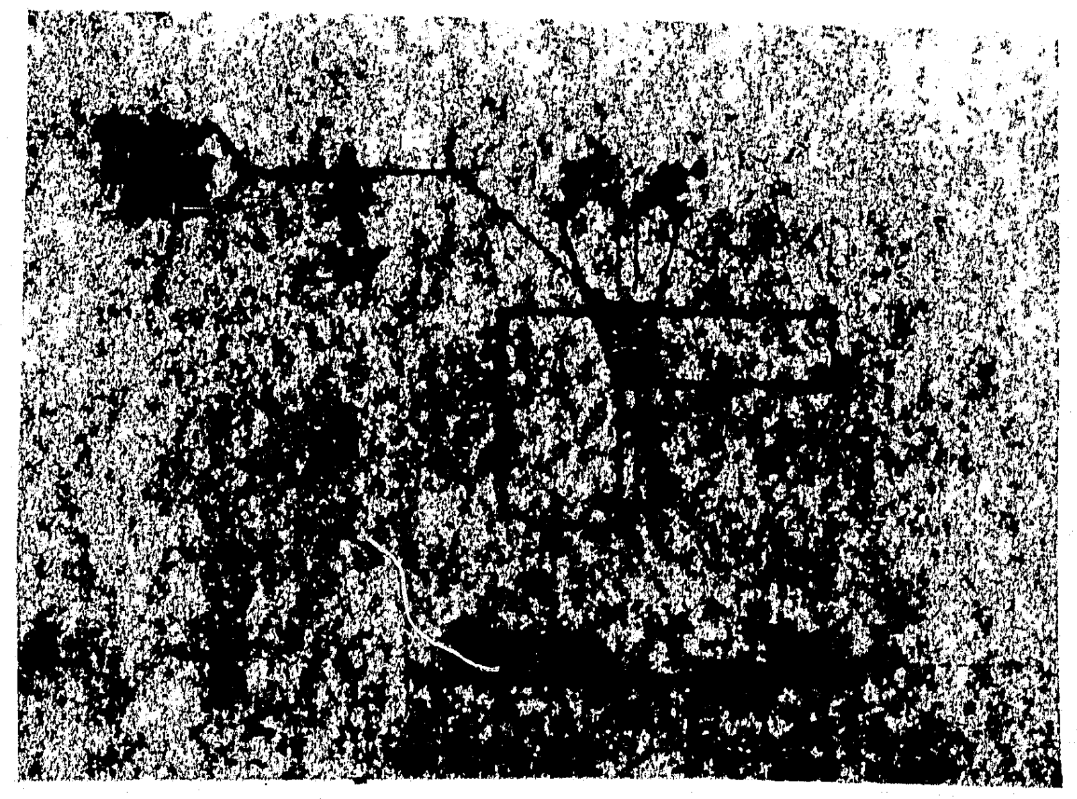
SUBMITTAL 1 2 3 4 5 6 7 8 9 0
DATE

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

E10

121-149





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NEW YORK, N. Y.
BY S. S. Nishimura FEB 24 1971

Top Chord Member (U14-U15)

NO.	DATE	INIT.
D1	2/11	2 WB

REVISION

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

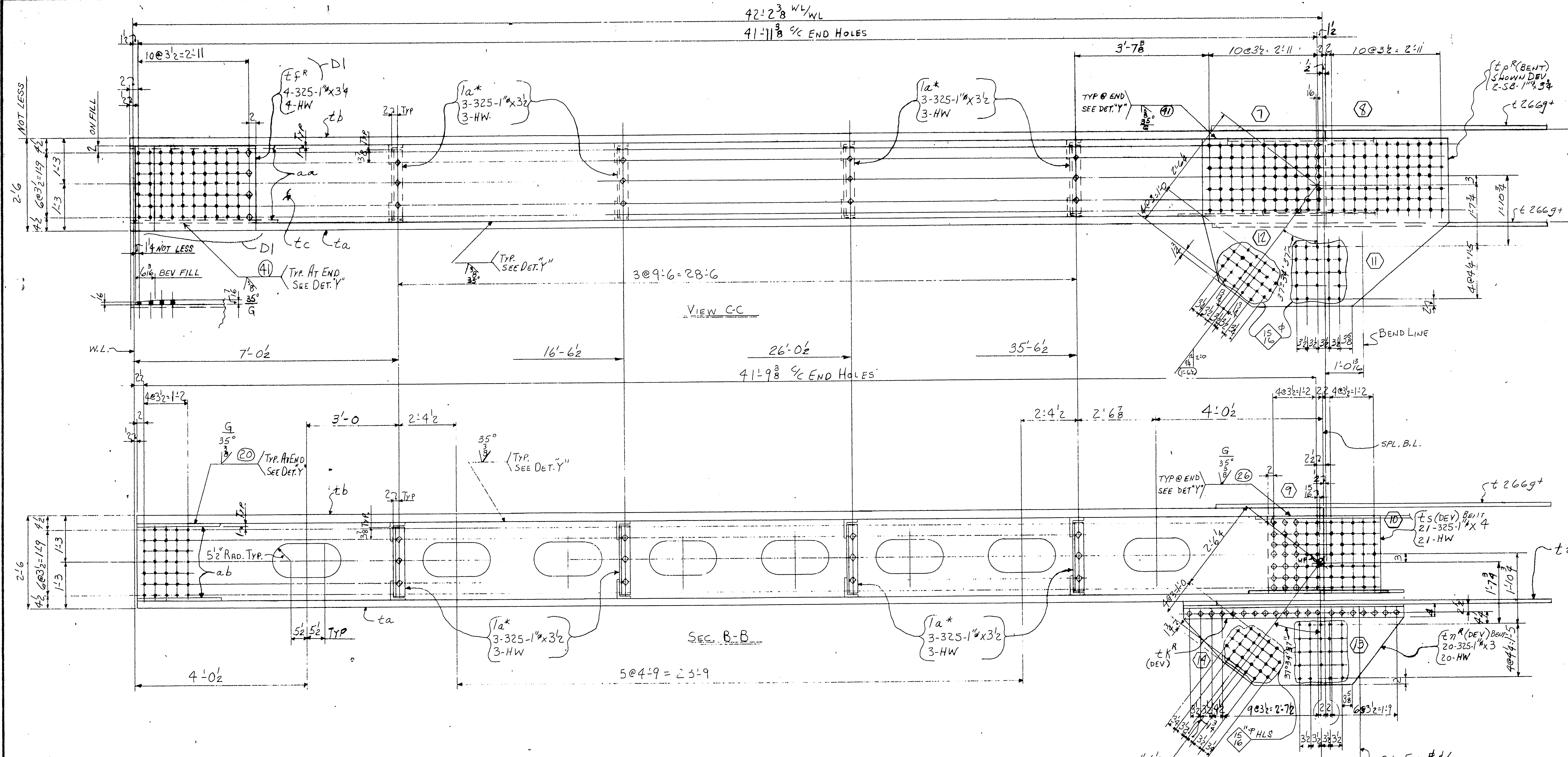
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

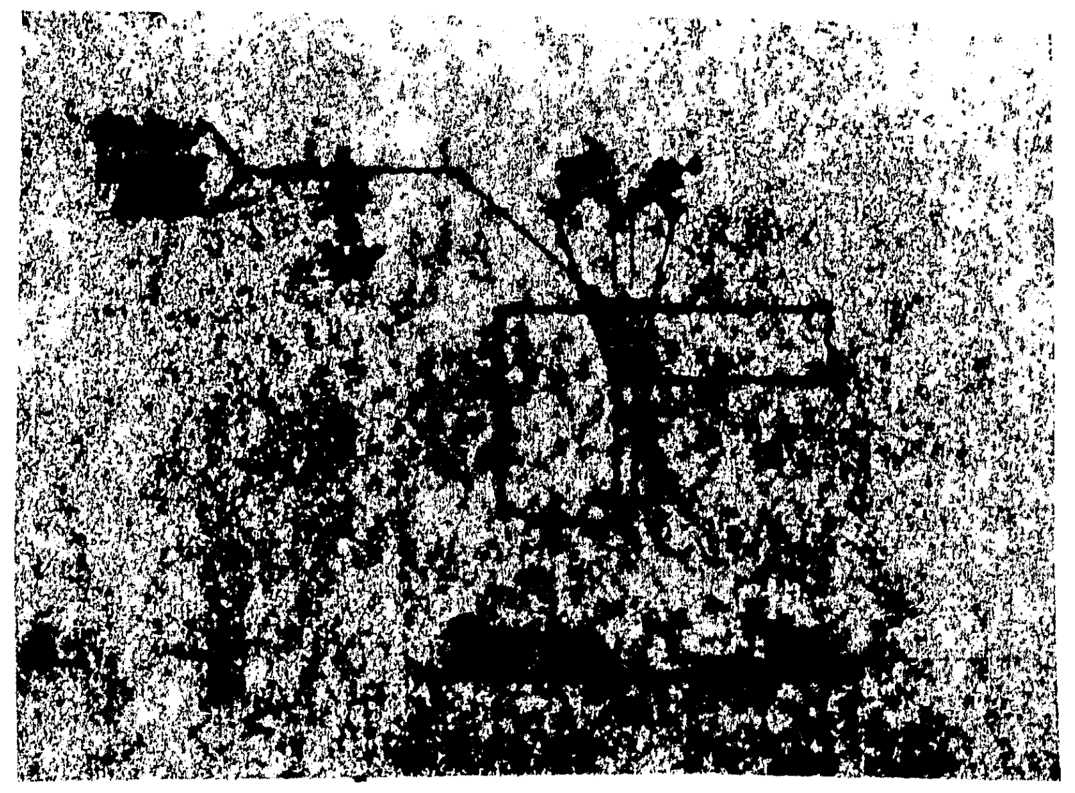
CHICAGO DRAFTING ROOM CHICAGO
MADE BY JF DATE 12-22-70 IN CHARGE
CHECKED BY LM DATE 12-22-70 SHOP NO.
CONTRACT CG 6290-061 DRAWING NO. 284

121-150

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

E10





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NEW YORK, N. Y.
BY S. S. Mishima FEB 24 1971

TOP CHORD MEMBER (U14-U15)

NO.	DATE	INIT.
D1	2/11	2 WB

REVISION

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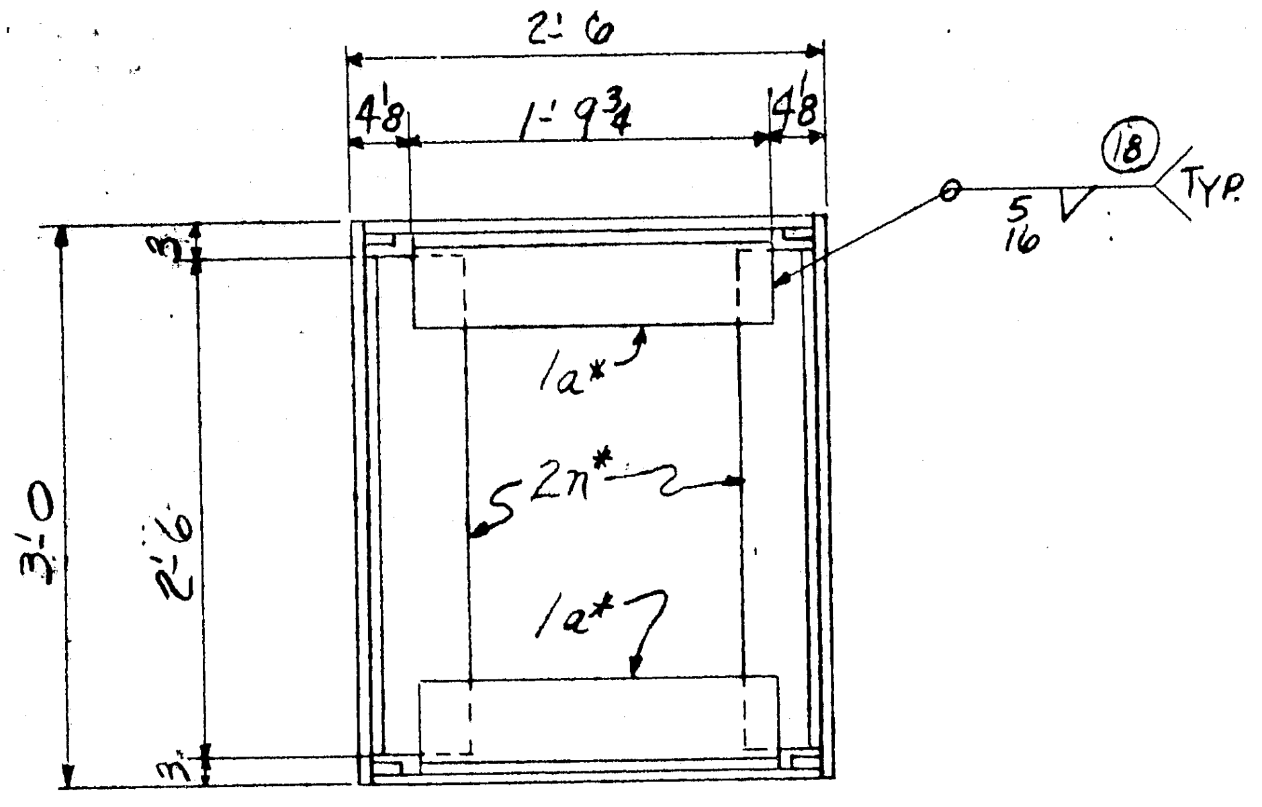
MAINE STATE HIGHWAY COMMISSION
STRUCTURE HARDESTY AND HANOVER CONSULTING ENGRS
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO
MADE BY JF DATE 12-22-70 IN CHARGE
CHECKED BY LM DATE 12-22-70 SHOP NO.
CONTRACT CG 6290-061 DRAWING NO. 284

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

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

121-150 E



ELECTRODES - E70XX LOW HYDROGEN

SECTION "A-A"

			SHOP BILL							MILL ORDER			
	ASSEMBLY MARK	NO.	SHAPE	SIZE	SIZE OR POUNDS	THICK	LENGTH FT	LENGTH IN	REMARKS	LENGTH FT	LENGTH IN	ITEM PAGE	ITEM LINE
		2- TOP CHORD MEMBERS - 1-284A^R & 1-284A^L											
②	t a	2	PL	36		2½	42	3⅜	M2E	42	5	124	1
②	t b	2	PL	36		2½	42	3⅜	M2E	42	5	124	1
Ⓜ	t c	2	PL	24¼		1½	42	3⅜	M2E	42	5	125	1
Ⓜ	t d	2	PL	24¼		1½	42	1⅜	M2E	42	5	125	1
D2	t f^R_L	1/1	PL	27½		7/16	3	2¼	BEV. AS NOTED			243	4
A1	t ad	4	PL	66		1	9	2		9	4	208	1
A1	t 266h+	4	PL	27½		1	6	1¼		6	3	208	2
	t k^R_L	1/1	L	8	8	7/8	6	0¼	BENT CT 5¾×4			153	12
A1	t ac	4	L	4	4	½	2	4				151	10
	t n^R_L	1/1	PL	25¼		¾	6	0¼	BENT	10	1½	208	6
	t p^R_L	1/1	PL	54¼		1⅛	6	6	BENT				
	t s	2	PL	25		1⅛	3	0	BENT	3	0	208	5
	1a*	16	L	6	3½	½	1	9¾		2	1	143	14
	2n*	16	L	6	4	½	2	6		2	8	143	13
	aa	4	BR	1		⅝	43	3¼	BACK UP BARS	43	5	142	6
	ab	4	BR	1		⅝	43	1½	BACK UP BARS	43	5	142	6
	t y	2	BR	5¾		1	0	11	FILL				
												AM27	
		8	MB	1"φ			0	2½	RHH & RHN (SB)			AM27	
		6	MB	1"φ			0	5½	RHH & RHN (SB)			AM27	
		4	MB	1"φ			0	3¾	RHH & RHN (SB)			AM27	
		40	325	1"φ			0	3				AM26	
		8	325	1"φ			0	3¼				AM26	
		48	325	1"φ			0	3½				AM26	
		42	325	1"φ			0	4				AM26	
		64	325	1"φ			0	4½				AM26	
		48	325	1"φ			0	5				AM26	
		196	325	1"φ			0	6				AM26	
		446	HW	2	1 1/16	3/16						AM26	
	V35B	2	WD			1½	168	10					
	FW	2	WD			5/16	24	0					

ELECTRODES E11018M
(EXCEPT AS NOTED) (LOW HYDROGEN)

WORK SH'TS 266, 276 & 284 TOGETHER

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HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY S.S. Nishimura FEB 24 1971

NOTE: Length Corrected for Temperature

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

NOTE X
Both sides of material adjacent to all open holes must be free of burrs, loose scale, and paint for a distance of 3" from the group of holes. EXCEPT 11x22 HOLES.

NOTE: Shop Bolt Heads are to be On Outside (Exposed) Surface

				NO.	DESCRIPTION	MARK	REMARKS
		1		1	TOP CHORD MEMBER	284 A^R	9'-6x5'-0x48'-0
		1		1	"	284 A^L	" " "
		M18		NO.	DESCRIPTION	MARK	REMARKS
INST.				REQUIRED LIST			

MATERIAL
PL - A517 } PREFIX - t
SHAPES T }
A36 - NO PREFIX
BOLTS - 1"φ
OPEN HOLES - 1 1/16"φ U.N.
A325 FIELD BOLTS —
SHOP CONTACT SURFACES - N.P.
WELDING - AS NOTED
MILLING - AS NOTED
PAINT One Shop Coat Red Lead
AASHO - M72, Type II
See Note "X"

TOP CHORD MEMBER (U14'-U15')

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	2/11	WB
A1	1/25/71	LM

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 J.F. DATE 12-19-70 IN CHARGE LAG
CHECKED BY LM DATE 12-22-70 SHOP NO.
CONTRACT CG 6290-061 DRAWING NO. 284 CC

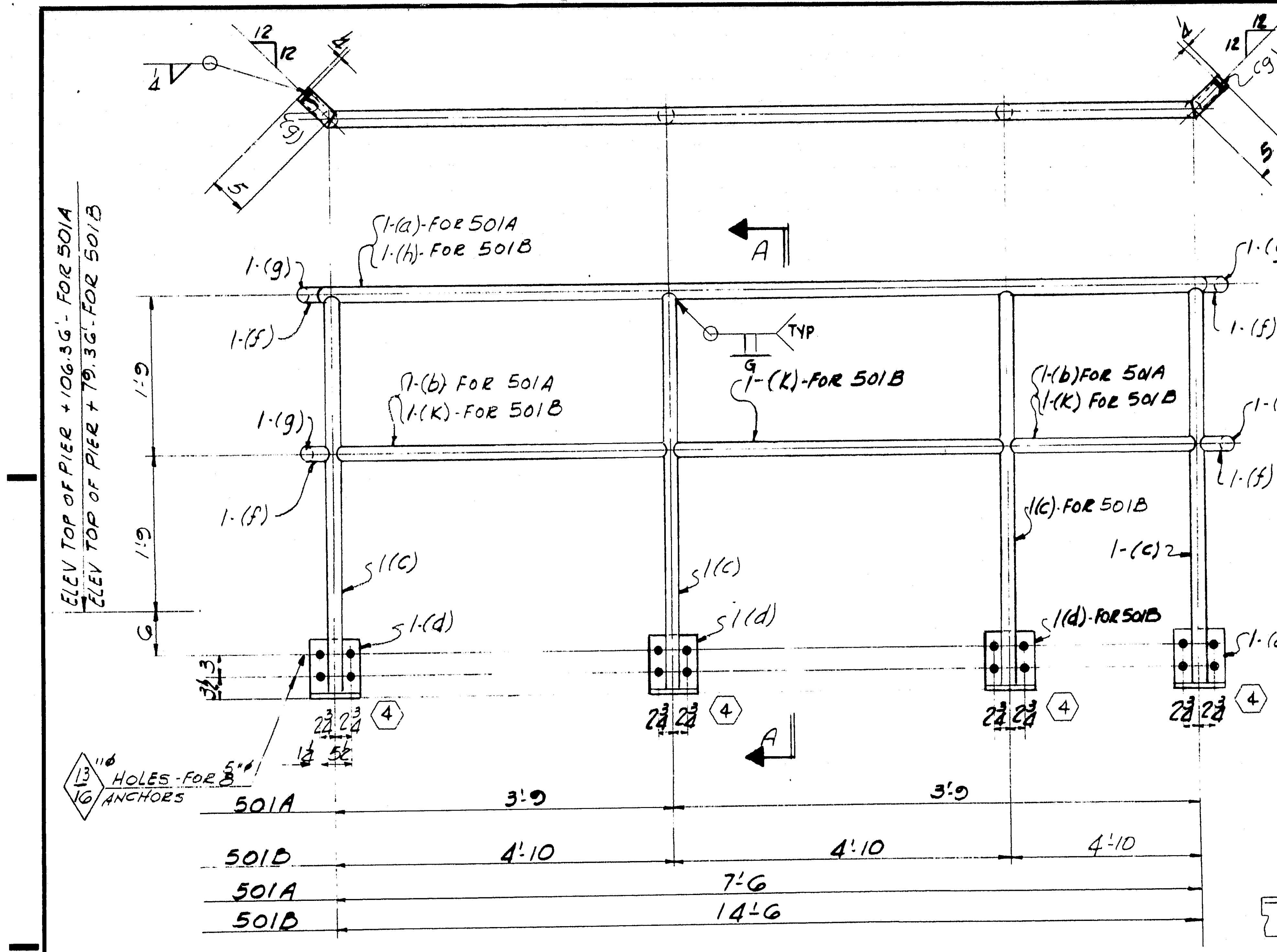
SUBMITTAL 1 2 3 4 5 6 7 8 9 0
DATE

35453 Rev.D

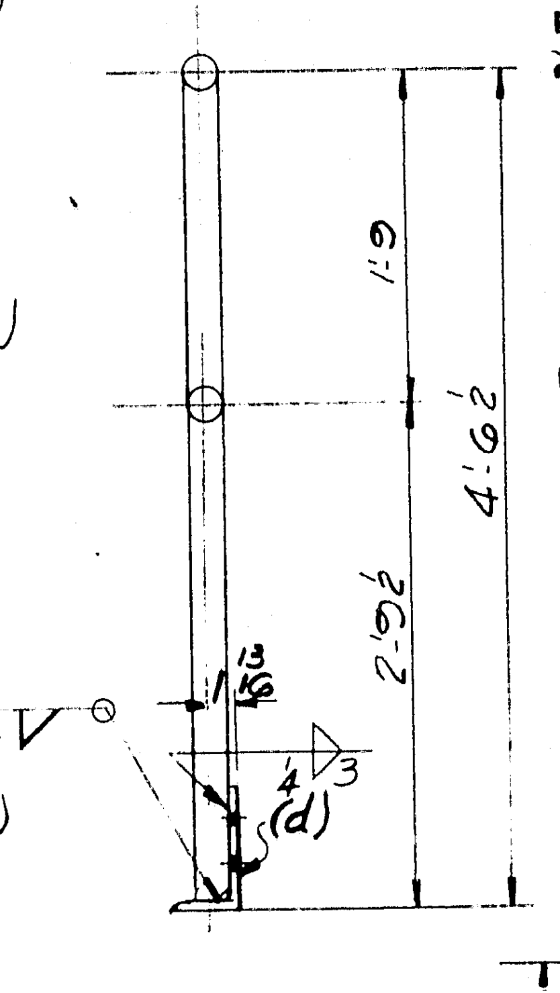
For location of details shown on this sheet refer to diagrams.

E10

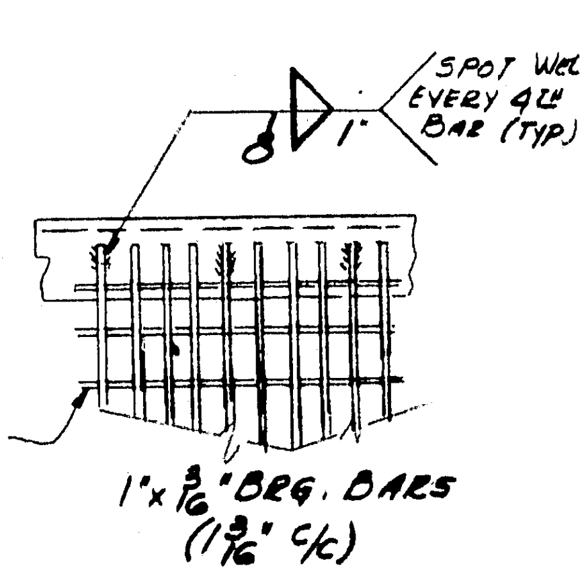
121-151



16-HANDRAILS-501A
16- do -501B

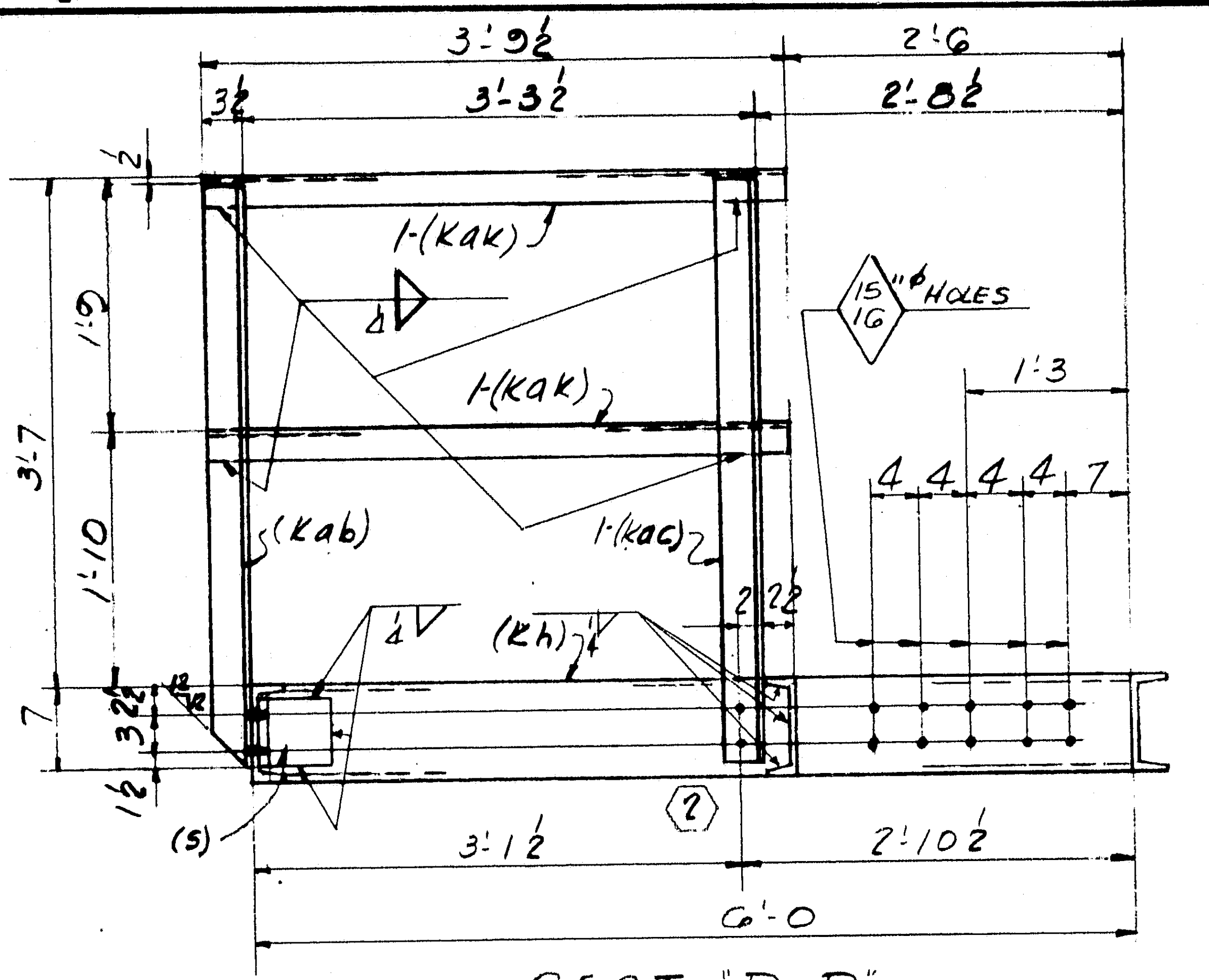


SECT "A-A"

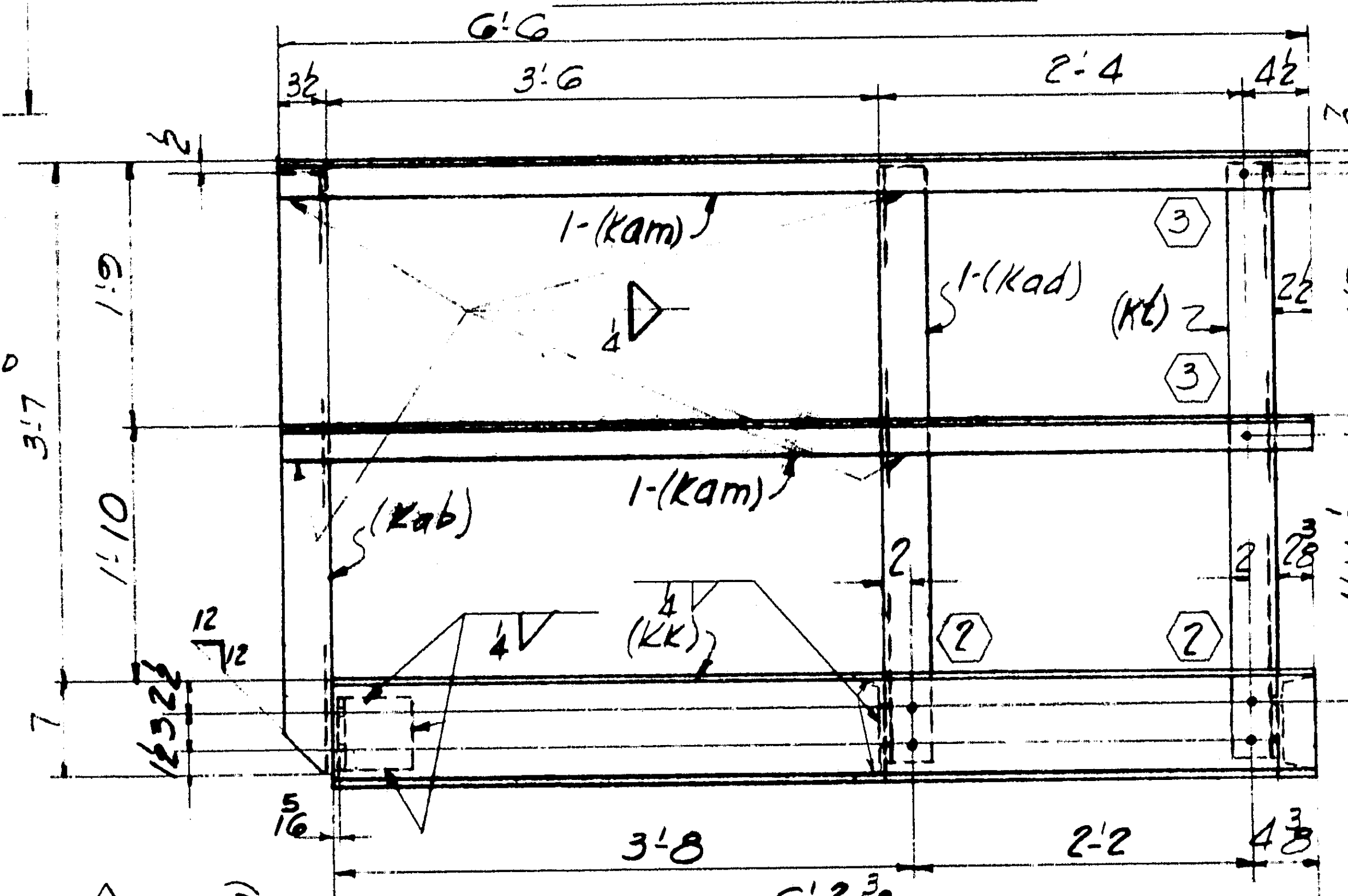


SPOT WELD EVERY 4th BAR (TYP)
3/16 1"
⅜"ϕ BARS 4" c/c
1"x3/16" BRG. BARS (1 3/16" c/c)

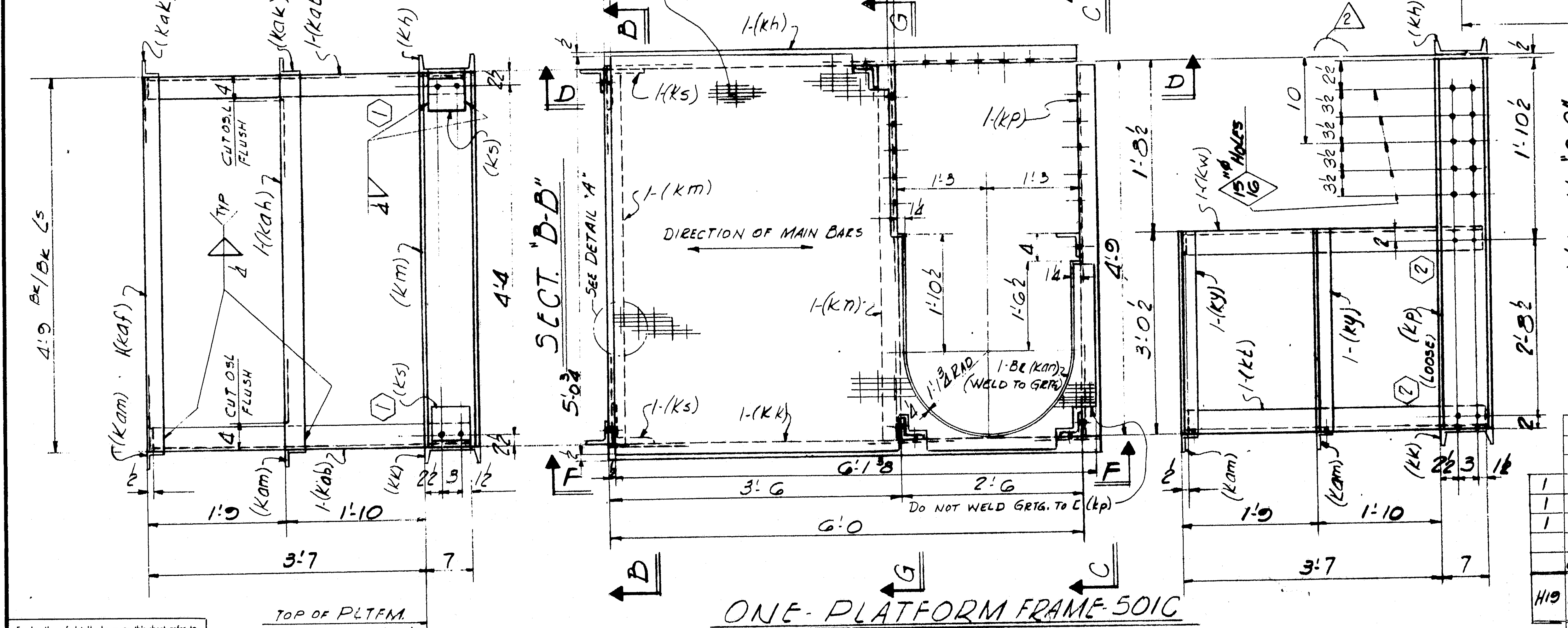
DETAIL "A"



SECT "D-D"

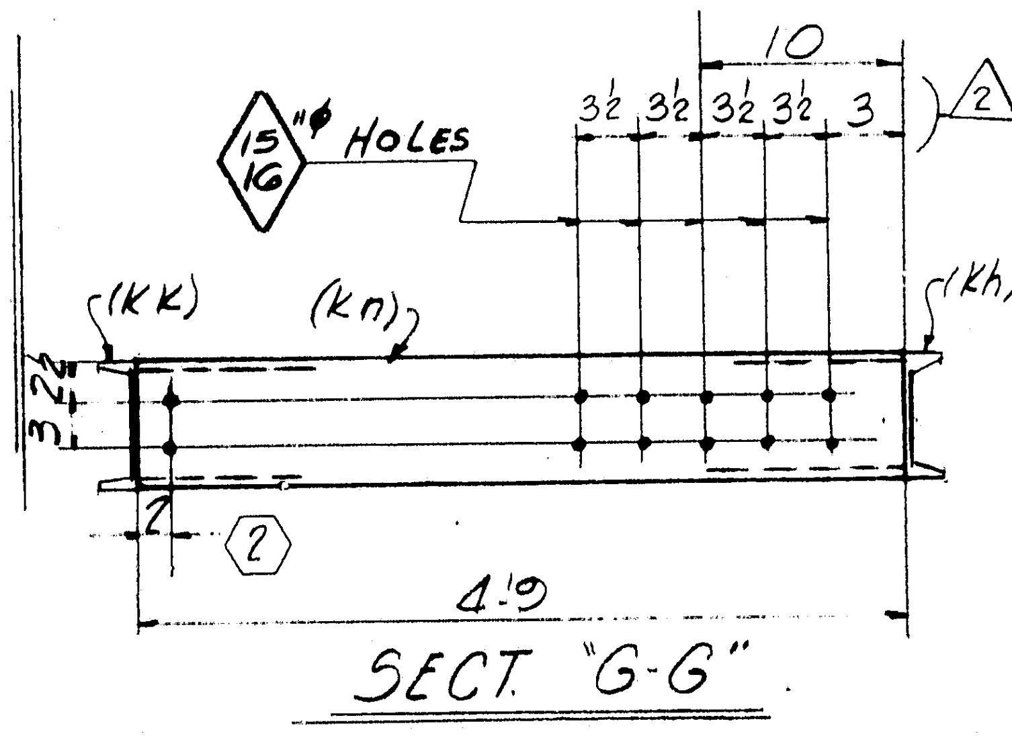


VIEW "F-F"



TOP OF PLTFM. ELEV. 205.38'

ONE-PLATFORM FRAME-501C
ONE-HANDRAIL-501D ONE-HANDRAIL-501F



SECT "G-G"

	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.

E 21 & E 25 & E 23

DES. SHTS 36, 37, 38 & 39

SHOP BILL / MILL ORDER

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	WIDTH	THICK	LENGTH FT	LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1																
	2																
	3	16-HANDRAILS-501A (GALVANIZED)															
	4																
	5	a	16	PIPE	2"ϕ	STD. WT.x		7	6¾	WROUGHT IRON ASTM A72 A3							
	6	b	32	PIPE	2"ϕ	STD. WT.x		3	9								
	7	c	48	PIPE	2"ϕ	STD. WT. x		4	4⅜								
	8	d	48	Ls	8 x	4 x ⅝		0	8								
	9	f	64	PIPE	2"ϕ	STD WT. x		0	5⅜	WROUGHT IRON ASTM A72 A3							
	10	g	64	Br	2"ϕ		⅜										
	11	FW	16	WD			¼	3	0								
	12	SDS	16	WD			⅛	11	0								
	13																
	14	16-HANDRAILS-501B (GALVANIZED)															
	15																
	16	h	16	PIPE	2"ϕ	STD. WT. x		14	6	WROUGHT IRON ASTM A72 A3							
	17	K	48	PIPE	2"ϕ	STD. WT x		4	10								
	18	c	64														
	19	d	64														
	20	f	64														
	21	g	64														
	22	FW	16	WD			¼	4	0								
	23	SDS	16	WD			⅛	12	6								
	24																
	25																
	26	ONE-PLATFORM FRAME-501C															
	27																
k	28	h	1	C	8	13.75		6	0								
k	29	K	1	C	8	13.75		6	2⅜								
k	30	m	1	C	8	13.75		4	9								
k	31	n	1	C	8	13.75		4	9								
k	32	p	1	C	8	13.75		4	8½	(BOLT FOR SHPMT)							
k	33	s	2	Ls	6	6	¾	0	6								
k	34	an	1	Br	1		¼	7	2½	BENT							
	35	ap	1	M	GRTG AREA	5-0¾	x1x	6	1⅜	ASTM A36 GALVANIZED 1x3/16 BB △1							
	36	FW	1	WD				6	0								
	37	ONE-HANDRAIL-501D															
k	38	l	1	L	3½	3½	⅜	4	1½								
k	39	w	1	L	3½	3½	⅜	4	1½								
k	40	y	2	Ls	2½	2½	5/16	3	0½								
	41	FW	1	WD			¼	1	9								
	42																
	43																
	44																
	45	ONE-HANDRAIL-501F															
k	46	ab	2	Ls	3½	3½	⅜	4	1½								
k	47	ac	1	L	3½	3½	⅜	4	1½								
k	48	ad	1	L	3½	3½	⅜	4	1½								
k	49	af	1	L	2½	2½	5/16	4	9								
k	50	ah	1	L	2½	2½	5/16	4	9								
k	51	ak	2	Ls	2½	2½	5/16	3	9½								
k	52	am	2	Ls	2½	2½	5/16	6	6								
	53	FW	1	WD			¼	3	3								
	54																
	55																
	56																
	57																
	58																
	59																
	60																
	61																
	62																

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY John Zaring FEB 25 1970

Open Holes [illegible] for High Strength Structural Bolts Unless Noted A
No [illegible] within 3" of Holes for
High Strength Structural Bolts

PLATFORM & HANDRAILS

H19	H1	H7	M1	M7	NO.	DESCRIPTION	MARK	REMARKS
1					ONE	HANDRAIL	501F	
1					ONE	HANDRAIL	501D	SUBLET
1					ONE	PLATFORM FRAME	501C	FABR.
		8		8	16	HANDRAILS	501B	SHIP
	8		8		16	HANDRAILS	501A	DIRECT

INST. REQUIRED LIST

MATERIAL ASTM. A588-U.N
RIVETS OR BOLTS NONE
OPEN HOLES - 13/16"ϕ U.N
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES NO PAINT
△1
PAINT ONE SHOP COAT

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

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
△3	2/19	LG
2	1/16	KT
1	12/9	JAO

REVISION

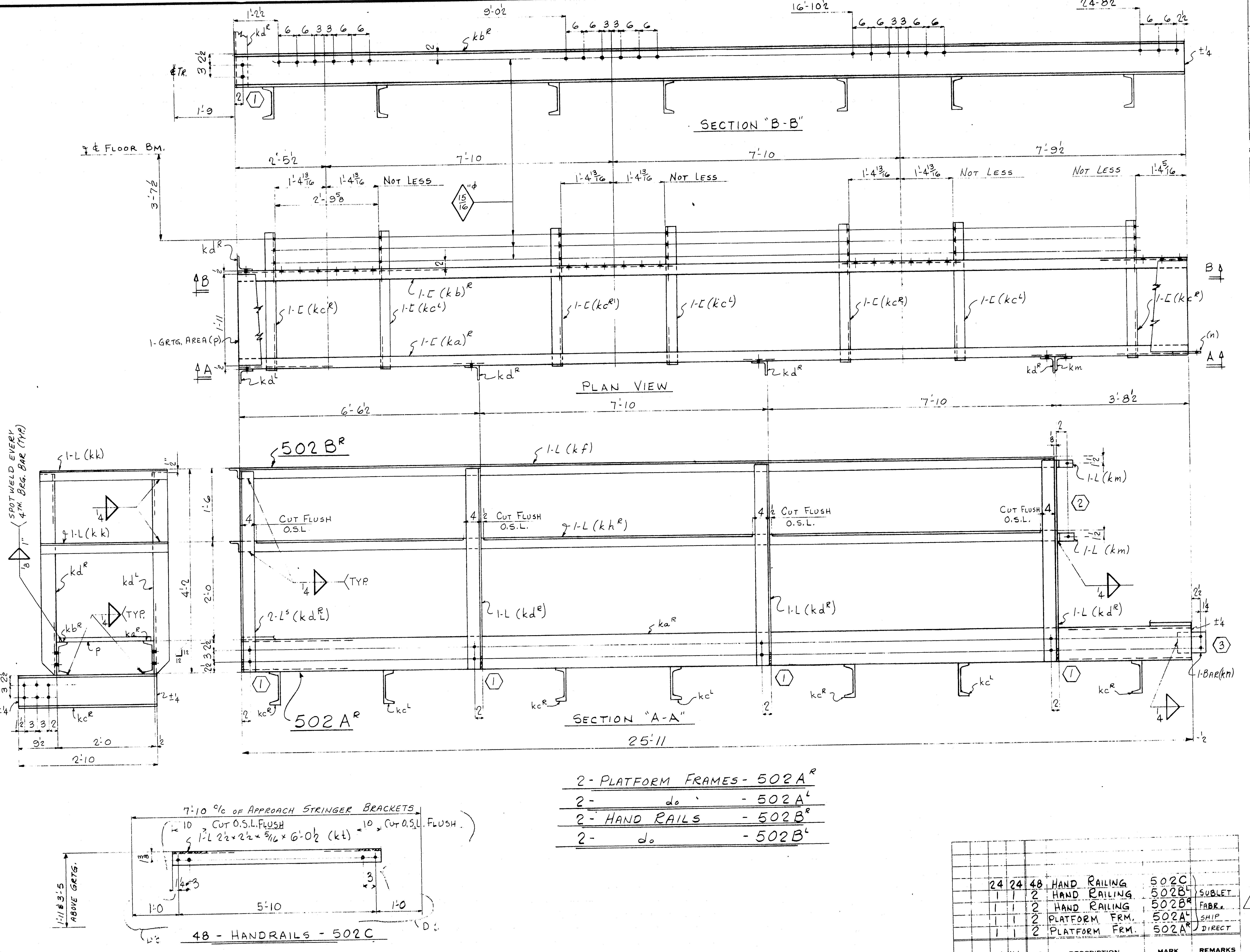
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RSO DATE 10.25.69 IN CHARGE LG
CHECKED BY HKT DATE 11.7.69 SHOP NO.
CONTRACT CG6290.090 DRAWING NO. 501

35453 (Rev.D 8-69)

121-152



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

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

E21 & E25

DES. SH.19

SHOP BILL / MILL ORDER

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		2	-	PLATFORM	FRAMES	-	502A^R									
	2		2	-		do			do	- 502A^L							
	3	k a^R_L	2/2	C	8	13.75		25	11								
	4	k b^R_L	2/2	C	8	13.75		25	11								
	5	k c^R_L	14/14	C	8	13.75		2	10								
	6	k n	4	BR	5½	5/16) A2		0	7								
	7	p	4	M	GRTG. AREA	23	1	25	11	ASTM-A36 1×3/16 GALVANIZED B.B.	⚠1						
	8	FW	4	WD			¼	6	6								
	9	FW	4	WD			⅛	22	0								
	10		2	-	HAND	RAILS	-	502B^R									
	11		2	-	do			do		- 502B^L							
	12	k d^R_L	10/10	L	3½	3½	⅜	4	1½								
	13	k f	4	L	2½	2½	5/16	22	2⅜								
	14	k h^R_L	2/2	L	2½	2½	5/16	22	2⅜								
	15	k k	8	L	2½	2½	5/16	2	7								
	16	k m	8	L	3½	3½	⅜	0	2								
	17	FW	4	WD			¼	8	2								
	18																
	19																
	20																
	21																
	22		48	-	HANDRAILS	- 502C											
	23	k t	48	L	2½	2½	5/16	(6	0½)								
	24																
	25																
	26																
	27																
	28																
	29																
	30																
	31																
	32																
	33																
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	59																
	60																
	61																
	62																

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW SEP 10 1970

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3' of holes

PLATFORM FRAME & HAND RAIL AT PANEL POINT "O"

M1	H1	NO.	DESCRIPTION	MARK	REMARKS
24	24	48	HAND RAILING	502C	SUBLET
1	1	2	HAND RAILING	502B^L	FABR.
1	1	2	HAND RAILING	502B^R	SHIP
1	1	2	PLATFORM FRM.	502A^L	DIRECT
1	1	2	PLATFORM FRM.	502A^R	

INST. REQUIRED LIST

MATERIAL: A.S.T.M.-A588 UN
RIVETS OR BOLTS
⚠1 OPEN HOLES 13/16"φ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES No PAINT
PAINT ONE SHOP COAT ZINC-RICH EPOXY PAINT AS PER SPECS.

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
D 3	8/27	CAD
A 2	2/19	LG
1	12/9	JAO

REVISION

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

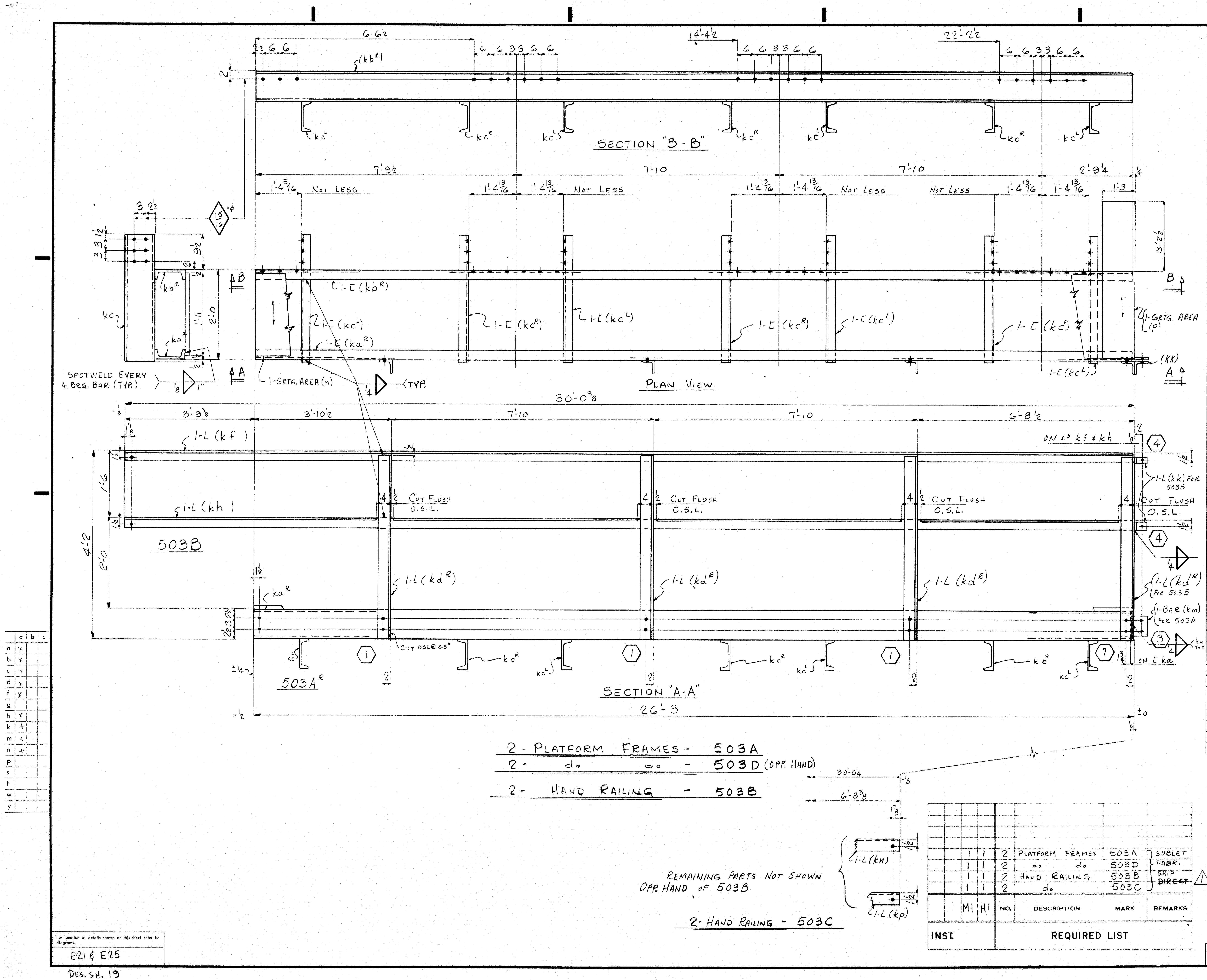
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JAO DATE 10/21/69 IN CHARGE L.G
CHECKED BY HKT DATE 11-19-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 502

35453 (Rev.D 8-69)

121-153



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

E21 & E25

SHOP BILL

LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS
1		2	-	PLATFORM			FRAMES		- 503A
2		2	-		do			do	- 503D
3	k a^R_L	2/2	C	8	13.75		26	2¾	
4	k b^R_L	2/2	C	8	13.75		26	2¾	
5	k c^R_L	14/14	C	8	13.75		2	10	
6	n	4	M	GRTG. AREA	23	1	25	0	ASTM-A36 GW106 GALVANIZED 1×3/16 BB ⚠1
7	p	4	M	do	62	1	1	3	do
8	k m	2	BR	5½	5/16 ⚠2		0	6½	FOR 503A
9	FW	4	WD			¼	5	6½	
10	FW	4	WD			⅛	21	0	
11									
12									
13		2	-	HAND	RAILS	-		503B	
14		2	-		do		-	503C	
15	k d^R_L	8/6	L	3½	3½	⅜	4	1½	8 kd^R FOR 503B 6 kd^L FOR 503C
16	k f	2	L	2½	2½	5/16	30	0¼	FOR 503B
17	k h	2	L	2½	2½	5/16	30	0¼	
18	k k	4	L	3½	3½	⅜	0	2	FOR 503B
19	k n	2	L	2½	2½	5/16	30	0¼	503C
20	k p	2	L	2½	2½	5/16	30	0¼	503C
21	FW	4	WD			¼	5	10	

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY John Zany FEB 11 1970

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 8" of Holes

			NO.	DESCRIPTION	MARK	REMARKS
	1	1	2	PLATFORM FRAMES	503A	SUBLET FABR.
	1	1	2	do do	503D	
	1	1	2	HAND RAILING	503B	SHIP ~~DIRECT~~ ⚠1
	1	1	2	do	503C	
INST.	MI	HI		REQUIRED LIST		

MATERIAL: A.S.T.M.-A588 UN
RIVETS OR BOLTS NONE
OPEN HOLES: 13/16"ϕ U.N.
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES No PAINT

PAINT - ONE SHOP COAT ZINC-RICH EPOXY PAINT AS PER SPECS

REVISION NO.	DATE	INIT.
2	1/16	KT
1	12/9	JHO

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

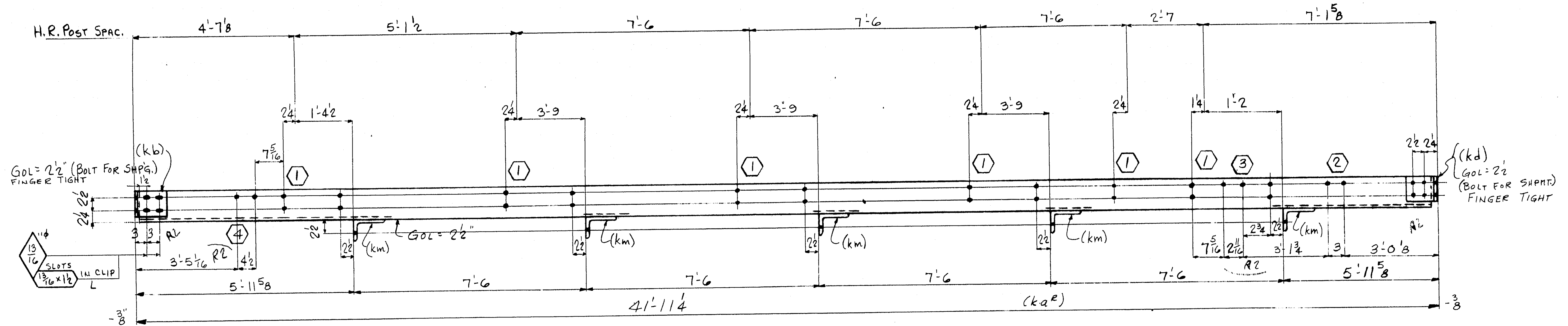
PLATFORM FRAME & HAND RAIL AT PANEL POINTS 0 & 0'

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

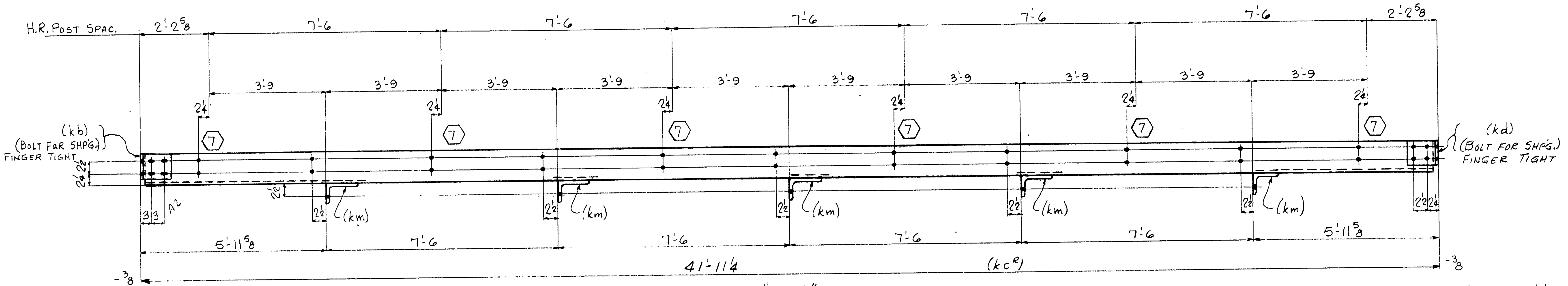
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JHO DATE 10/22/69 IN CHARGE L.G.
CHECKED BY HKT DATE 11-21-69 SHOP NO.
CONTRACT CG-6290-090 DRAWING NO. 503

121-154

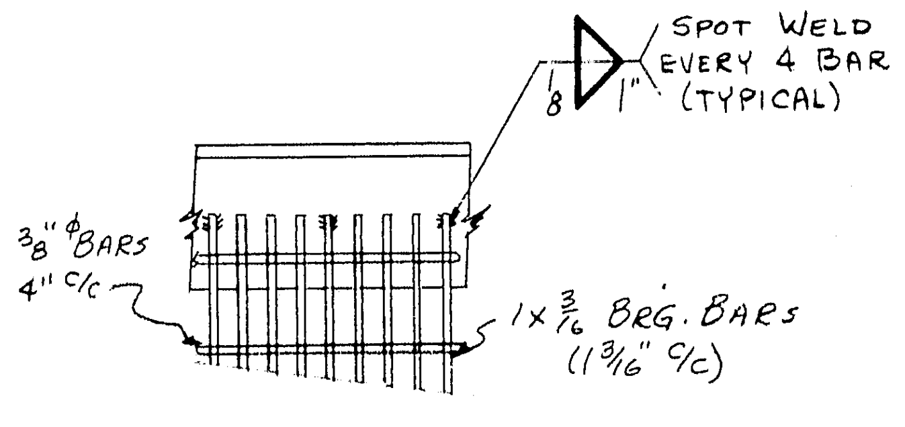
35453 (Rev.D 8-69)



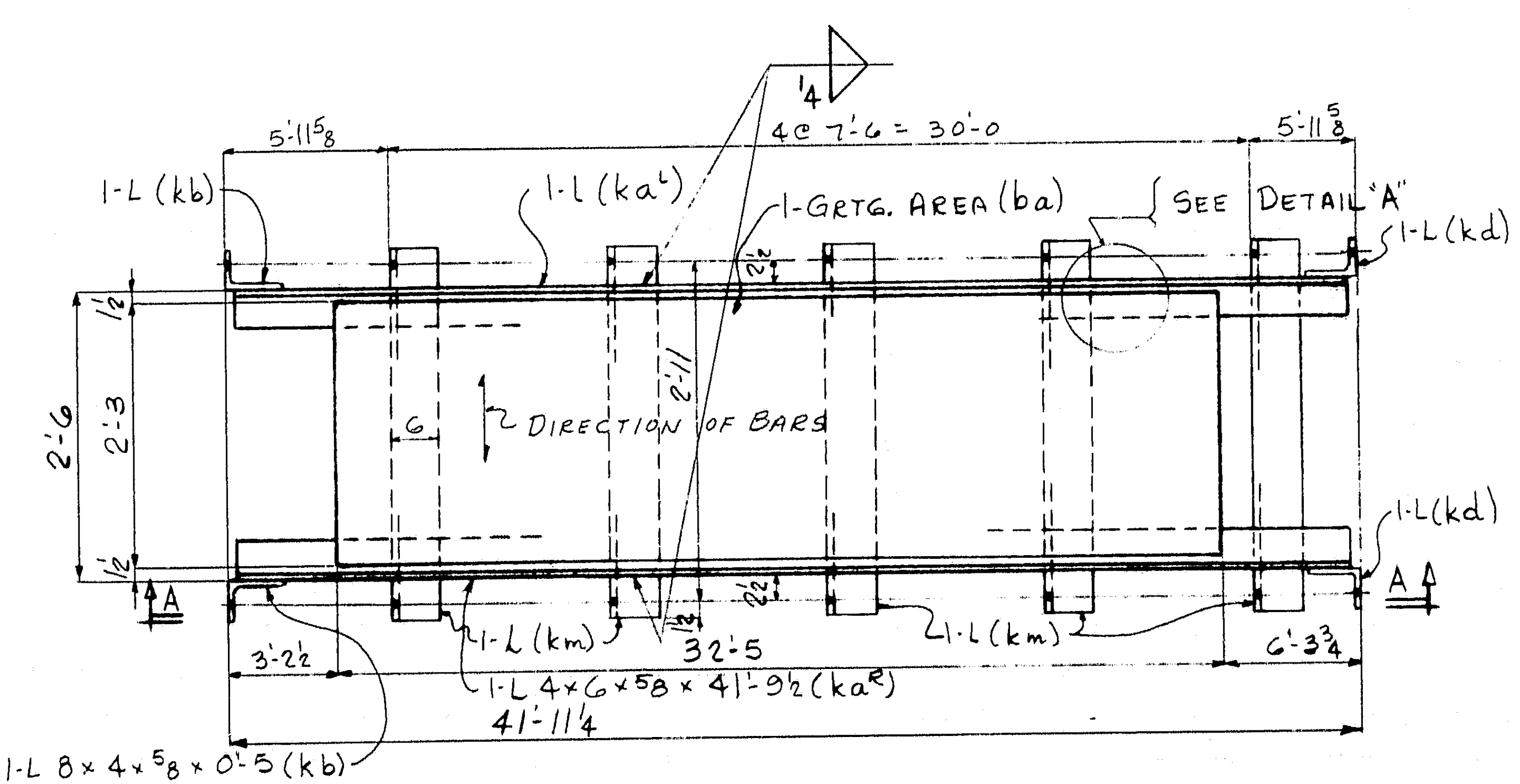
SECTION "A-A"



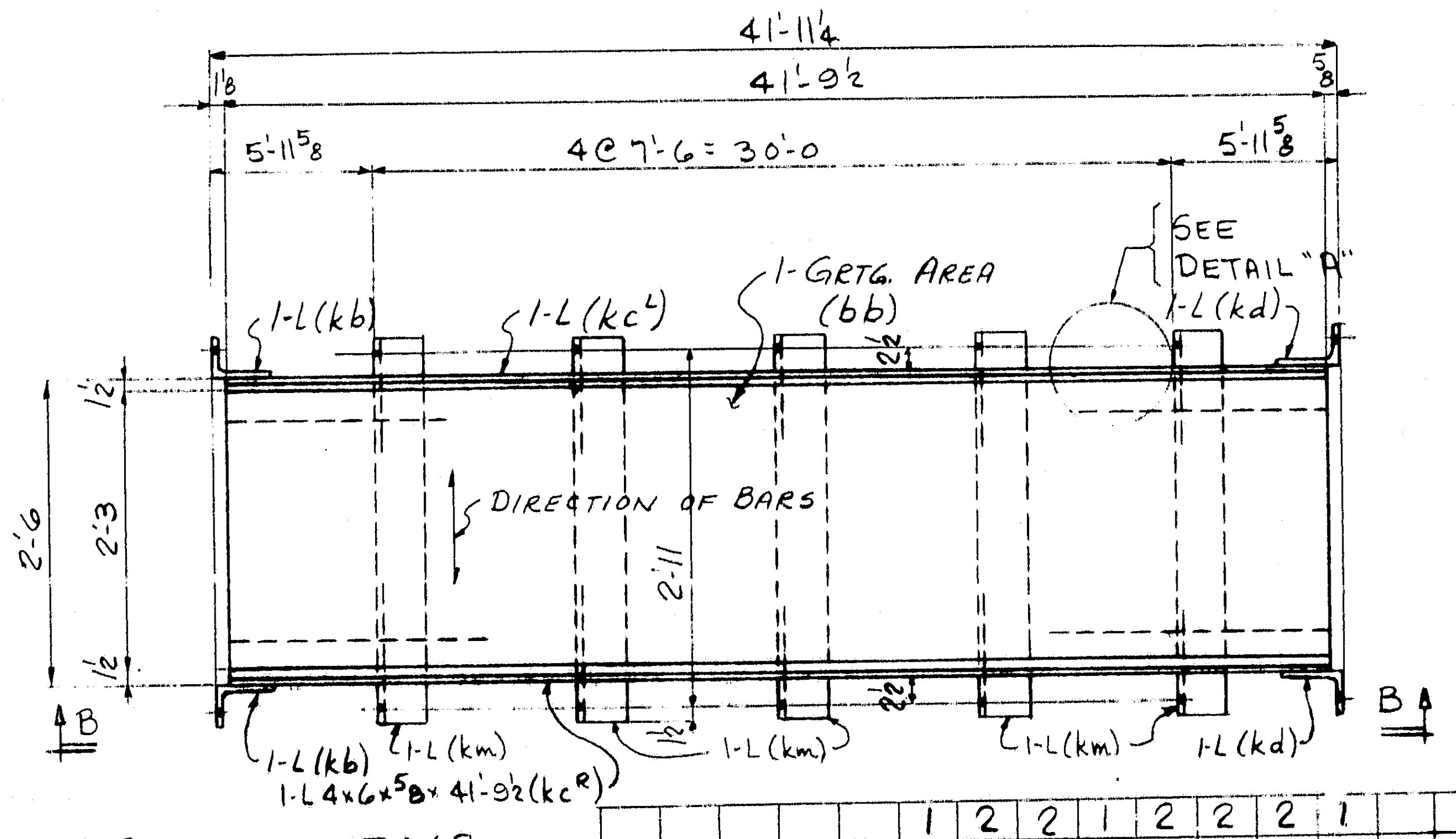
SECTION "B-B"


Spot weld every 4 bar (typical)
⅛
1"
⅜"φ Bars 4" c/c
1 × 3/16 Brg. Bars (1 3/16" c/c)

DETAIL "A"



13 - PLATFORMS - 504 A



12 - PLATFORMS - 504B

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

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

E21, E22, E23, E24 & E25

DET. SHT. 36

SHOP BILL

Product Type	Line	Assembly Mark	No.	Shape	Section Size	Section Size or Pounds	Section Thick	Length Ft.	Length In.	Remarks
	1		13 - PLATFORMS - 504 A							
	2		208	HSB	¾"φ			0	2½	A325 HH & N w/1 HW
	3	k a^R_L	13/13	L	6	4	⅝	41	9½	
	4	k b	26	L	8	4	⅝	0	5½	
	5	k m	65	L	6	4	⅜	3	2	
	6	ba	13	M	GRT'G AREA	2'-3	×	32	5	ASTM - A36 GALVANIZED 1×3/16 BB
	7	k d	26	L	6	4	⅝	0	5½	
	8	FW	13	WD			¼	10	0	
	9	FW	13	WD			⅛	27	6	
	10		12 - PLATFORMS - 504 B							
	11	k c^R_L	12/12	L	6	4	⅝	41	9½	
	12	k b	24	L						
	13	k m	60	L						
	14	bb	12	M	GRTG. AREA	2'-3	×	41	9½	ASTM - A36 GALVANIZED 1×3/16 B.B.
	15	k d	24	L	6	4	⅝	0	5½	
	16	FW	12	WD			¼	10	0	
	17	FW	12	WD			⅛	35	6	
	18		192	325	¾"φ			0	2½	RHH & RHN H2
	19		192	HW	1 15/32"φ	13/16	5/32			

MILL ORDER

Width	Thick	Length Ft	Length In.	Stock	Item Page	Item Line
1 (line 6)						
1 (line 14)						

(Lines 20–62 blank.)

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW MAR 13 1970

Open Holes are for High Strength Structural Bolts. NO PAINT within 3" of Holes

					1	2	2	1	2	2	2	1					
2	1	1	1	1									1	1	1	1	2
H2	H3	H4	H5	H7	H10	H13	H16	H19	M19	M16	M13	M10	M7	M5	M4	M3	M2

INST.

NO.	DESCRIPTION	MARK	REMARKS
13	PLATFORMS	504 A	SUBLET FABR. SHIP DIRECT
12	do	504 B	

REQUIRED LIST

MATERIAL : A.S.T.M. - A588 UN
RIVETS OR BOLTS ¾"φ
OPEN HOLES : 13/16"φ
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES : NONE
PAINT : ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
R2	2/19	JHO
1	12/9	JHO

REVISION

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

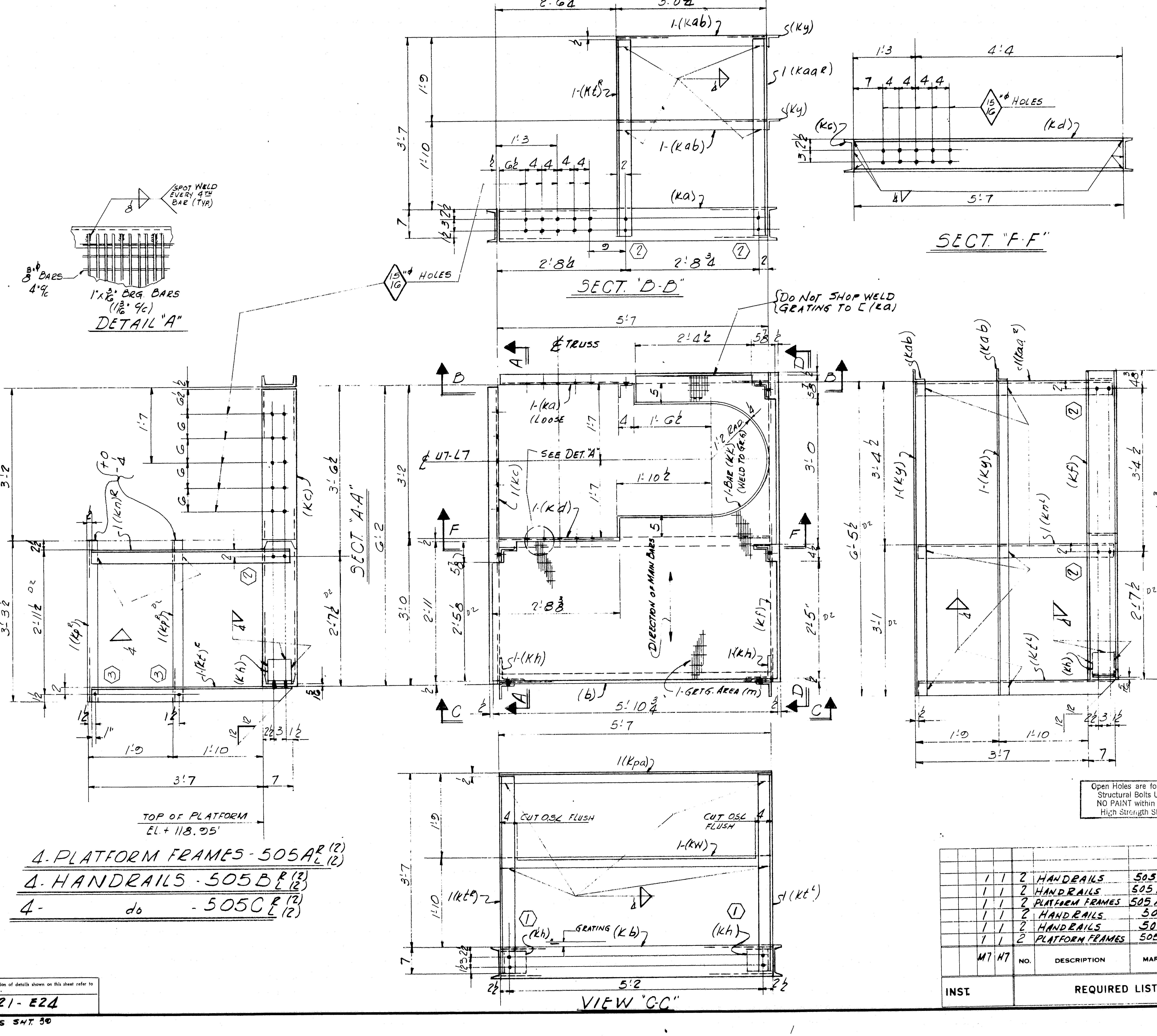
CATWALK PLATFORM DETAILS

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 JHO DATE 10/23/69 IN CHARGE L.G.
CHECKED BY HKT DATE 11-19-69 SHOP NO.
CONTRACT CG-6290-090 DRAWING NO. 504

121-155

35453 (Rev.D 8-69)



4-PLATFORM FRAMES-505$A^{R(2)}_{L(2)}$

4-HANDRAILS-505$B^{R(2)}_{L(2)}$

4- do -505$C^{R(2)}_{L(2)}$

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

E21-E24

DES SHT. 30

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1																
	2																
	3																
	4		4- PLATFORM FRAMES-505$A^{R(2)}_{L(2)}$														
	5																
	6	k a^{R}_{L}	2/2	C	8	13.75		5	6½								
	7	k b^{R}_{L}	2/2	C	8	13.75		5	7	D2							
	8	k c^{R}_{L}	2/2	C	8	13.75		6	1½	(BOLT FOR SHIPMT)							
	9	k d^{R}_{L}	2/2	C	8	13.75		5	7								
	10	k f^{R}_{L}	2/2	C	8	13.75		6	4⅜	D2							
	11	k h	8	Ls	6	6	¾	0	6								
	12	k k	4	Bes	1"		¼	7	10⅞	BENT							
	13	m^{R}_{L}	2/2	M	GRTG. AREA	5'-10¾ × 1	× 6'-3⅜			ASTM A36 GW100 GALVANIZED							
	14								D2	1×3/16 BB △1							
	15	F.W	4	WD			¼	6	6								
	16	BW	4	WD			⅛	8	3								
	17																
	18		4 HANDRAILS-505$B^{R(2)}_{L(2)}$														
	19																
	20	k n^{R}_{L}	2/2	Ls	3½	3½	⅜	4	1½								
	21	k p^{R}_{L}	4/4	Ls	2½	2½	5/16	3	3½	D2							
	22																
	23	F.W.	4	WD			¼	2	4								
	24																
	25																
	26																
	27		4 HANDRAILS-505$C^{R(2)}_{L(2)}$														
	28																
	29	k t^{R}_{L}	6/6	Ls	3½	3½	⅜	4	1½								
	30	k n^{R}_{L}	2/2	Ls													
D2	31	k pa	4	Ls	2½	2½	5/16	5	7								
	32	k w	4	Ls	2½	2½	5/16	5	7								
	33	k y	8	Ls	2½	2½	5/16	6	5½	D2							
	34	k ab	8	Ls	2½	2½	5/16	3	0¾								
	35	k aa^{R}_{L}	2/2	Ls	3½	3½	⅜	4	1½								
	36																
	37	F.W	4	WD			¼	8	6								
	38																
	39																
	40																
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	62																

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY John Zarkey FEB 13 1970

Open Holes are for High Strength Structural Bolts Unless Noted A
NO PAINT within 3" of Holes for High Strength Structural Bolts

PLATFORM & HANDRAILS @ L7 & L7'

		1	1	2	HANDRAILS	505C^{L}	SUBLET
		1	1	2	HANDRAILS	505B^{L}	FABR. △1
		1	1	2	PLATFORM FRAMES	505A^{L}	SHIP
		1	1	2	HANDRAILS	505C^{R}	DIRECT
		1	1	2	HANDRAILS	505B^{R}	
		1	1	2	PLATFORM FRAMES	505A^{R}	
		M7	H7	NO.	DESCRIPTION	MARK	REMARKS
INST.				REQUIRED LIST			

MATERIAL ASTM-A588 U.N. △
RIVETS OR BOLTS NONE
OPEN HOLES - 13/16"φ U.I.N. △1
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES NO PAINT
PAINT ONE SHOP COAT

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

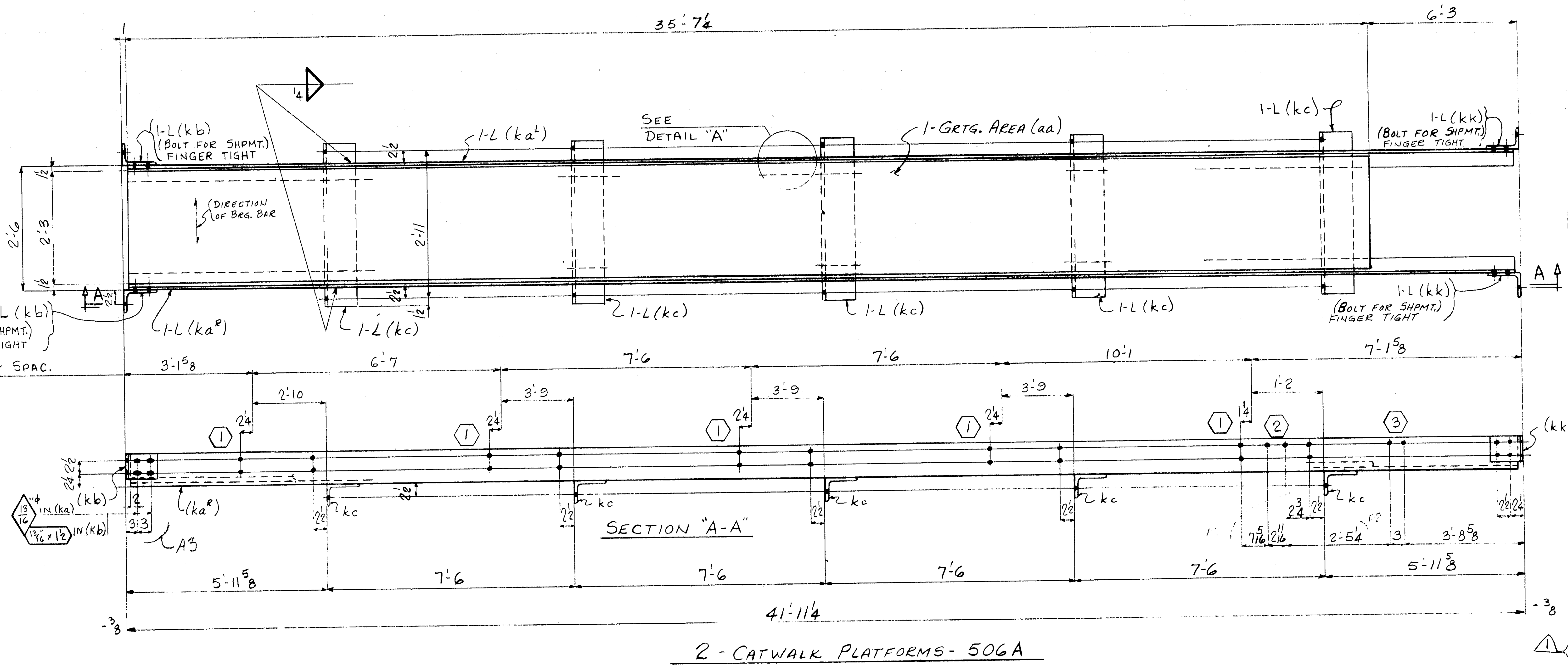
NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2	2/3	JHO
1	12/9	JHO
REVISION		

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

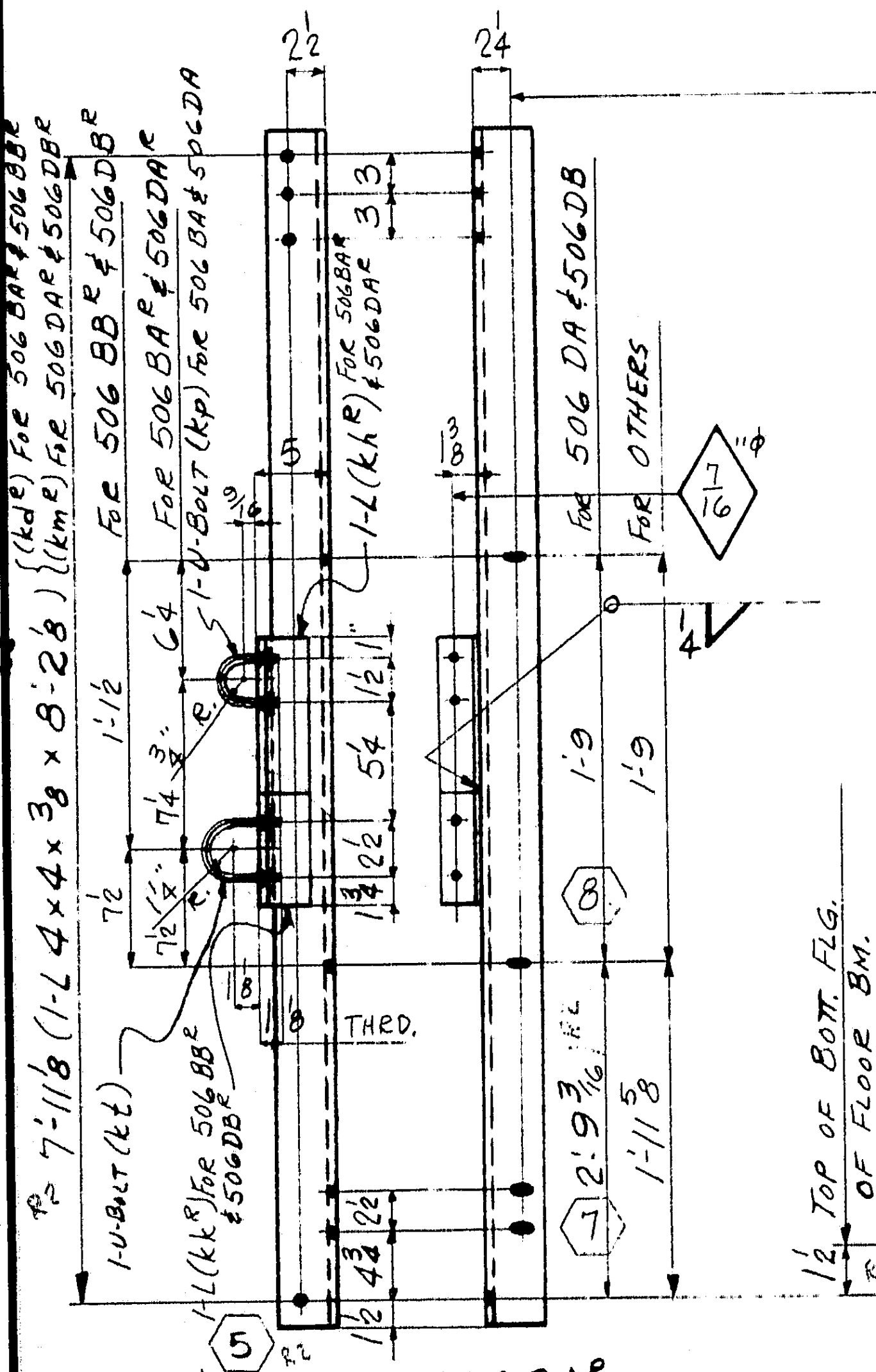
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RSO DATE 10-27-69 IN CHARGE LG
CHECKED BY HKT DATE 11-19-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 505

35453 (Rev.D 8-69)

121-156



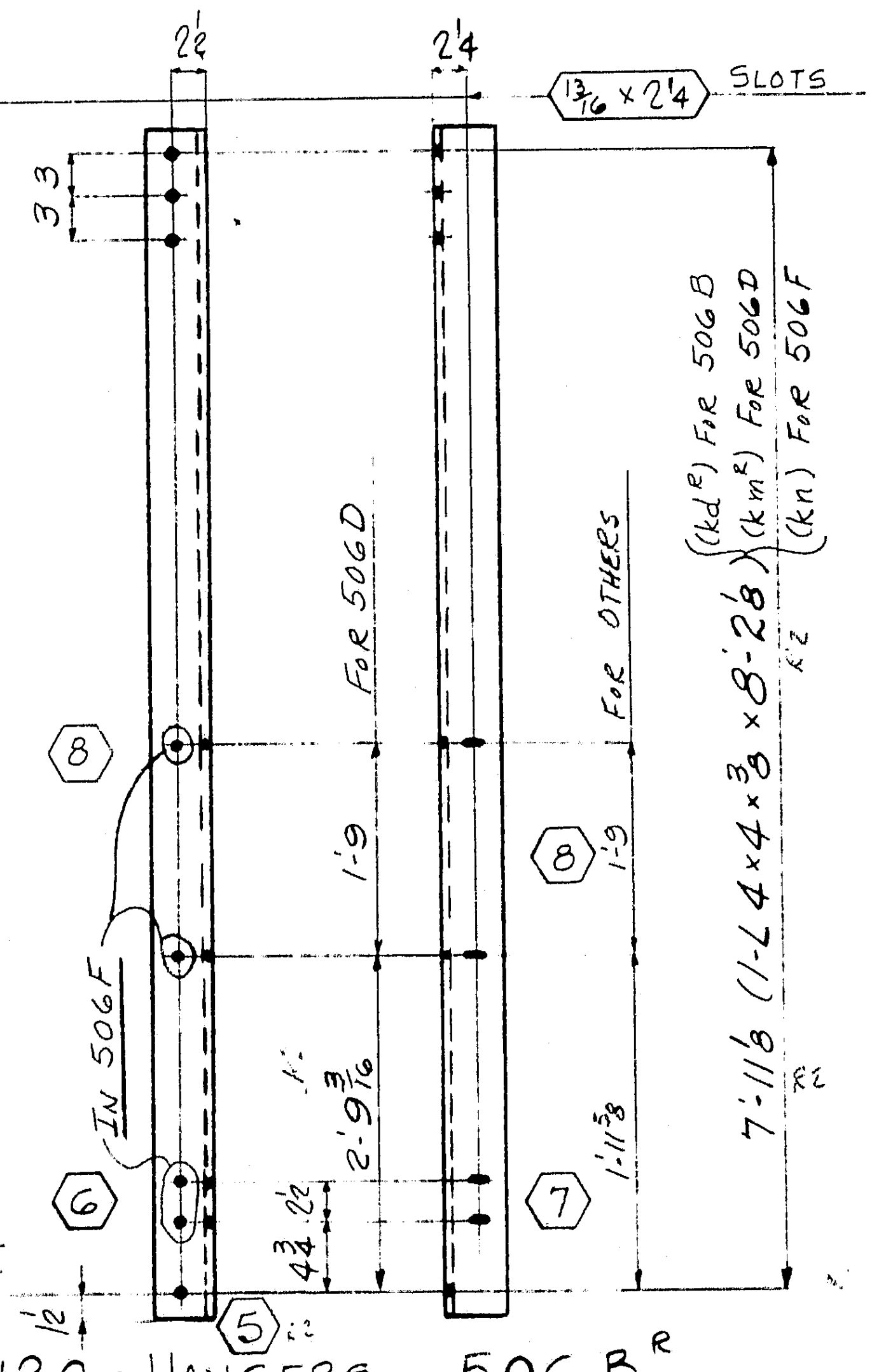
2 - CATWALK PLATFORMS - 506A


2 1/2
2 1/4
R2 7'-11 1/8 (1-L 4×4×3/8 × 8'-2 1/8)
(kd^R) FOR 506BA^R & 506BB^R
(km^R) FOR 506DA^R & 506DB^R
FOR 506BB^R & 506DB^R
FOR 506BA^R & 506DA^R
1-U-BOLT (kp) FOR 506DA
1-L (kh^R) FOR 506BA^R & 506DA^R
FOR 506DA & 506DB
FOR OTHERS
13/16 φ
1-U-BOLT (kt)
1-L (kk^R) FOR 506BB^R & 506DB^R
THRD.
2'-9 3/16
1'-11 5/8
8
7
5

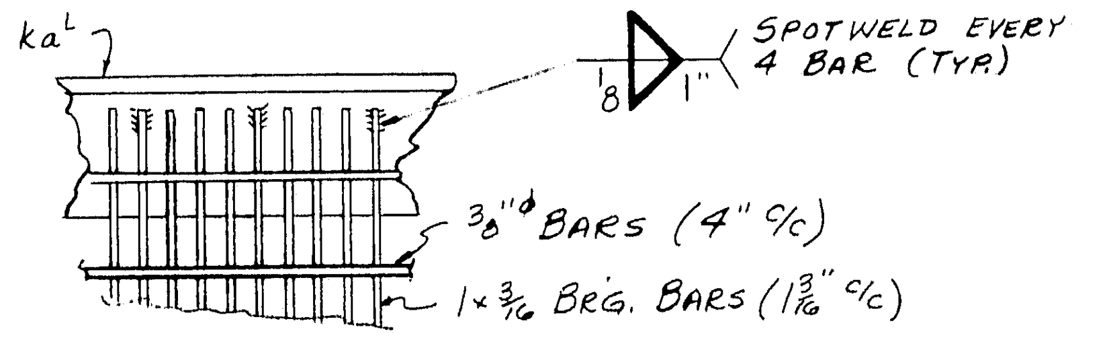
20 - HANGERS - 506BA^R
21 - - 506BA^L
4 - - 506BB^R
52 - - 506BB^L
10 - - 506DA^{R-5}_{L-5}
ONE - - 506DB^R
- 506DB^L

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

E21, E22, E23, E24 & E25

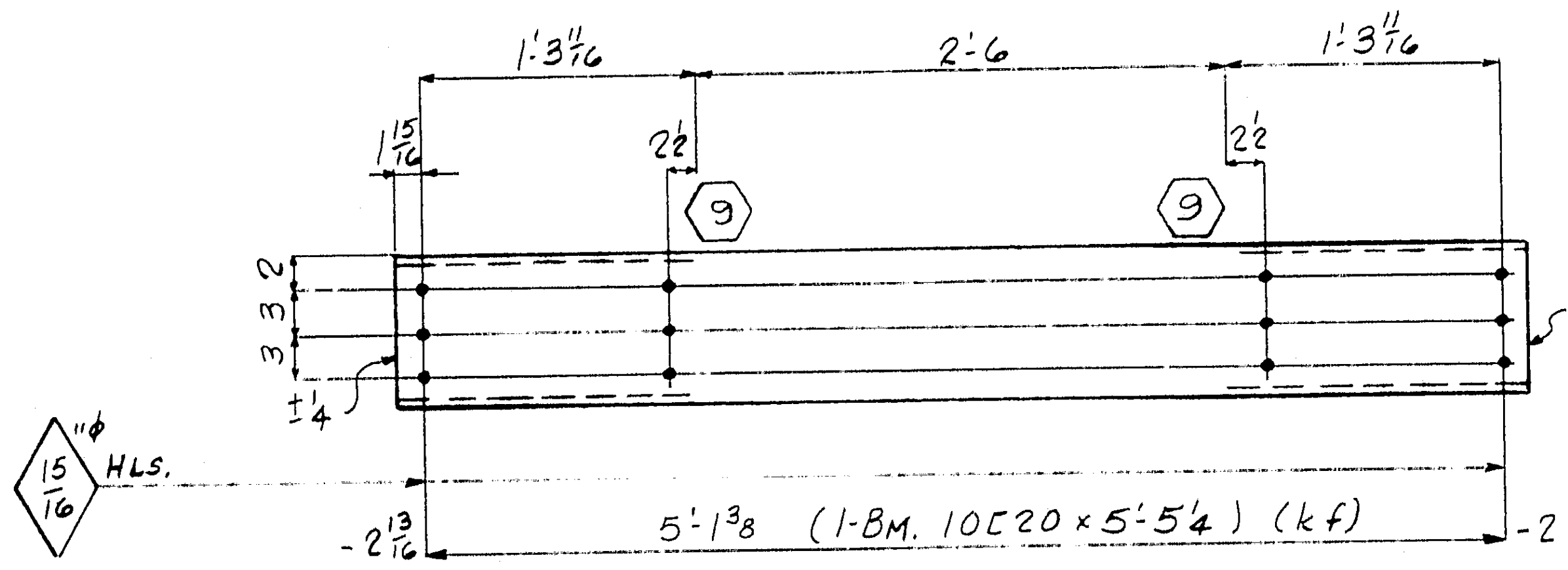


120 - HANGERS - 506B^R
72 - do - 506B^L
10 - do - 506D^R
8 - do - 506D^L
ONE - do - 506F



DETAIL "A"

1 GEN REVISION TO HANGERS



129 - BEAMS - 506C

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT	LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1		2 - CATWALK PLATFORMS - 506A														
	2	k a_L^R	2/2	L	6	4	$\frac{5}{8}$	41	$9\frac{1}{2}$								
	3	k b	8	L	8	4	$\frac{5}{8}$	0	5								
	4	k c	10	L	6	4	$\frac{3}{8}$ R2	3	2								
	5	aa	2	M	GRTG. AREA	2'-3 ×		35	$7\frac{1}{4}$	ASTM-A36 GW100 GALVANIZED 1×3/16 BB	△1						
	6	F.W.	2	WD			$\frac{1}{4}$	10	0								
	7	F.W.	2	WD			$\frac{1}{8}$	30	0								
	8		32	HSB	$\frac{3}{4}$"φ			0	$2\frac{1}{2}$	A325 HHN w/1 HW							
	9									△1							
	10																
	11		120 - HANGERS - 506B^R														
	12		72 - do - 506B^L														
	13	k d_L^R	120/72	L	4	4	$\frac{3}{8}$	8	$2\frac{1}{8}$	R2							
	14																
	15																
	16		129 - BEAMS - 506C														
	17	k f	129	C	10	20		5	$5\frac{1}{4}$								
	18																
	19																
	20		10 - HANGERS - 506D^R														
	21		8 - do - 506D^L														
	22	k m_L^R	10/8	L	4	4	$\frac{3}{8}$	8	$2\frac{1}{8}$	R2							
	23																
	24																
	25		ONE - HANGER - 506F														
	26	k n	1	L	4	4	$\frac{3}{8}$	8	$2\frac{1}{8}$	R2							
	27																
	28																
	29		20 - HANGERS - 506BA^R														
	30		21 - do - 506BA^L														
	31	k d_L^R	20/21	L													
	32	k h_L^R	20/21	L	$3\frac{1}{2}$	$2\frac{1}{2}$	$\frac{3}{8}$	1	0								
	33	k p	41	M	U-BOLT	$\frac{3}{8}$"φ		0	$5\frac{3}{4}$	THRD. 2 ENDS (GALV.) w/2 - STD. HEX. NUTS							
	34	k t	41	M	U-BOLT	$\frac{3}{8}$"φ		0	$8\frac{1}{2}$	do							
	35	FW	41	WD			$\frac{1}{4}$	2	5								
	36																
	37																
	38		4 - HANGERS - 506BB^R														
	39		52 - do - 506BB^L														
	40	k d_L^R	4/52	L													
	41	k k_L^R	4/52	L	$3\frac{1}{2}$	$2\frac{1}{2}$	$\frac{3}{8}$	0	6								
	42	k t	56	M	U-BOLT												
	43	FW	56	WD			$\frac{1}{4}$	1	5								
	44																
	45																
	46		5 - HANGERS - 506DA^R														
	47		5 - do - 506DA^L														
	48	k d_L^R	5/5	L													
	49	k h_L^R	5/5	L													
	50	k p	10	M	U-BOLT												
	51	k t	10	M	U-BOLT												
	52	FW	10	WD			$\frac{1}{4}$	2	5								
	53																
	54																
	55		ONE - HANGER - 506DB^R														
	56		3 - do - 506DB^L														
	57	k d_L^R	1/3	L													
	58	k k_L^R	1/3	L													
	59	k t	4	M	U-BOLT												
	60	FW	4	WD			$\frac{1}{4}$	1	5								
	61																
	62																

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

H1	H2	H3	H4	H5	H7	H10	H13	H16	H19	M19	M16	M13	M10	M7	M5	M4	M3	M2	M1	NO.	DESCRIPTION	MARK	REMARKS
						2	1													3	HANGERS	506DB^L	
												1								1		506DB^R	
							1	2	2											5		506DA^L	
										2	2	1								5		506DA^R	
5	10	5	5	5	10	8	4													52		506BB^L	
												4								4		506BB^R	
							4	8	8	1										21		506BA^L	
										8	8	4								20		506BA^R	
										1										ONE		506F	
										2	2	2	2							8		506D^L	
						2	2	2	2				2							10		506D^R	SUBLET FABR. SHIP DIRECT
4	8	4	4	4	8	8	8	8	8	9	8	8	8	8	4	4	4	8	4	129	BEAMS	506C	
										8	8	8	8	10	5	5	5	10	5	72	HANGERS	506B^L	
5	10	5	5	5	10	8	8	8	8				8	10	5	5	5	10	5	120	HANGERS	506B^R	
						1							1							2	CATWALK PLATF.	506A	

INST.

REQUIRED LIST

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3" of Holes

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

MATERIAL : ASTM-A588 U.N.
△1 RIVETS OR BOLTS : 3/4"φ
OPEN HOLES : 13/16"φ U.N.
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES : NO PAINT

PAINT : ONE SHOP COAT

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

REVISION

NO.	DATE	INIT
0		
9		
8		
7		
6		
5		
4		
A3	5/8	WB
2	3/31	JAO
1	12/9	JAO

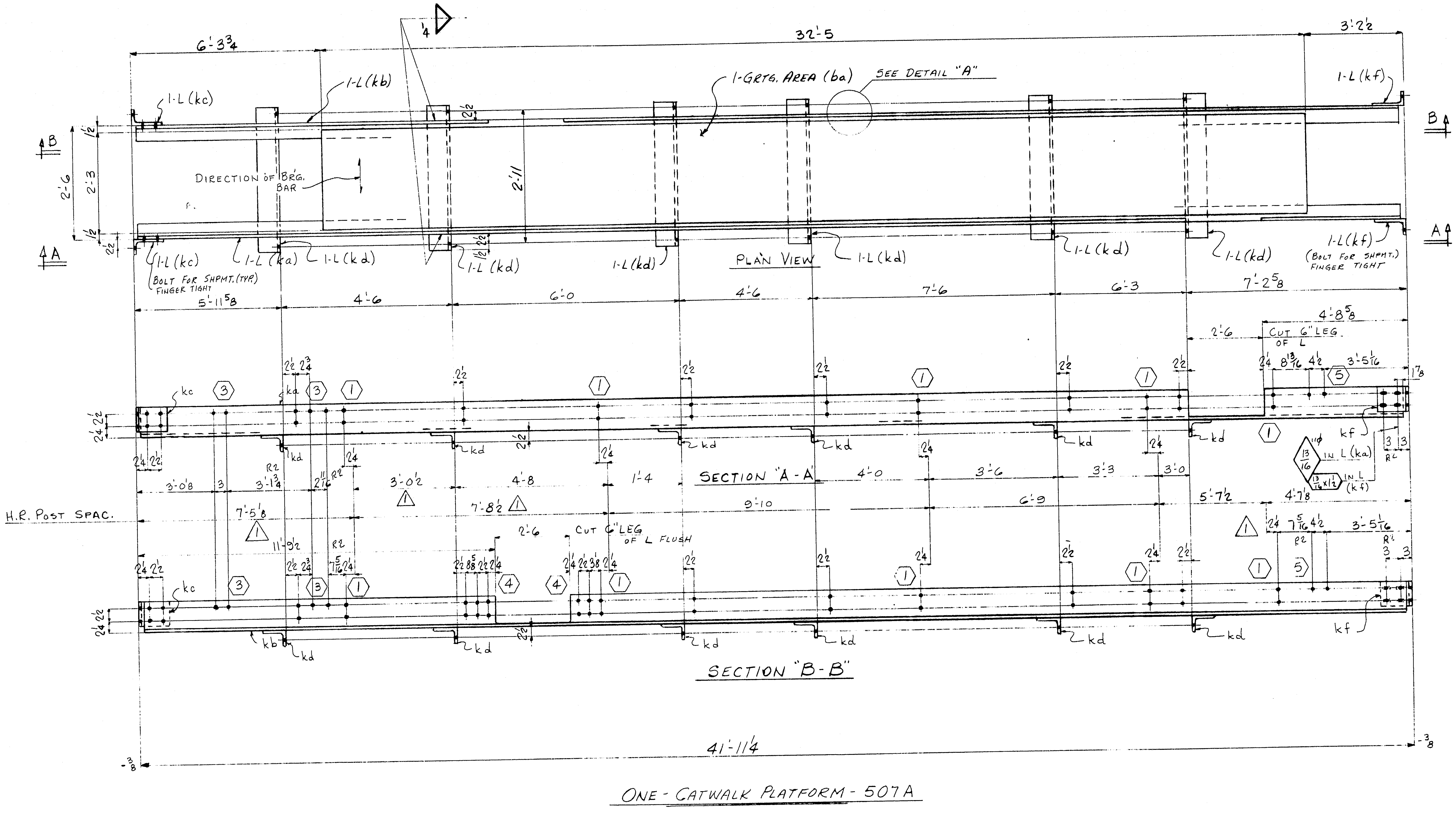
CATWALK PLATF., HANGERS & BM. STRUTS

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

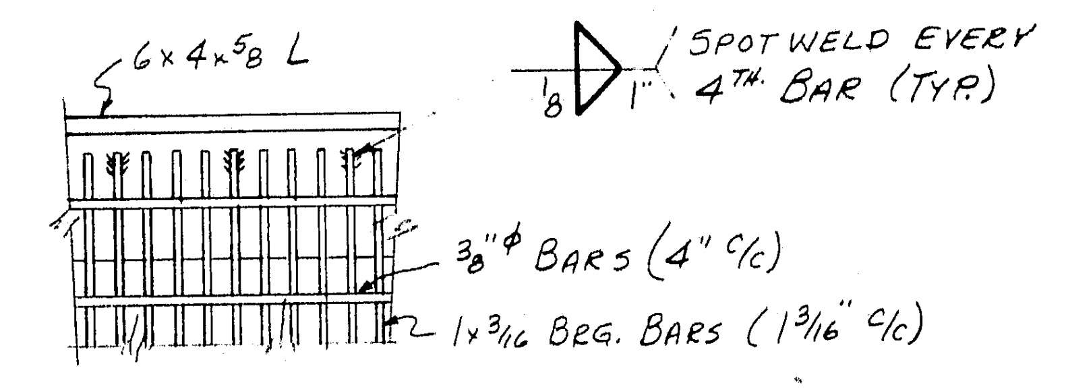
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JAO DATE 10-27-69 IN CHARGE L.G.
CHECKED BY HKT DATE 11-21-69 SHOP NO.
CONTRACT CG-6290-090 DRAWING NO. 506

35453 (Rev.D 8-69)

121-157



ONE - CATWALK PLATFORM - 507A



6×4×⅝ L
1/8 1" SPOT WELD EVERY 4TH BAR (TYP)
⅜"φ BARS (4" c/c)
1×3/16 BRG. BARS (1 3/16" c/c)

DETAIL "A"

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

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

E23

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT	LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1	ONE - CATWALK PLATFORM - 507A															
	2	k a	1	L	6	4	5/8	41	9½								
	3	k b	1	L	6	4	5/8	41	9½								
	4	k c	2	L	6	4	5/8	0	5								
	5	k d	6	L	6	4	3/8 R2	3	2								
	6	k f	2	L	8	4	5/8	0	5								
	7	ba	1	M	GRTG. AREA	2'-3	x	32	5	ASTM-A36 GW100 GALVANIZED 1×3/16 BB	1						
	8	FW	1	WD			1/4	12	0								
	9	FW	1	WD			1/8	27	6								
	10		16	325	3/4"φ			0	2½	RHH & RHN /2							
	11		16	HW	1 15/32"φ	13/16	5/32										
	12																
	13																
	14																
	15																
	16																
	17																
	18																
	19																
	20																
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	59																
	60																
	61																
	62																

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW MAR 13 1970

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3" of Holes

CATWALK PLATFORM @ ⑯ TO ⑮'

INST.	M19	NO.	DESCRIPTION	MARK	REMARKS
	1	1	CATWALK PLATFORM	507A	SUBLET FABR. SHIP DIRECT

REQUIRED LIST

1

MATERIAL: ASTM-A588 U.N.
RIVETS OR BOLTS: ¾"φ
OPEN HOLES: 13/16"φ U.N.
A325 FIELD BOLTS: NONE
SHOP CONTACT SURFACES: NO PAINT
PAINT: ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
R2	2/19	JAO
1	12/9	JAO

REVISION

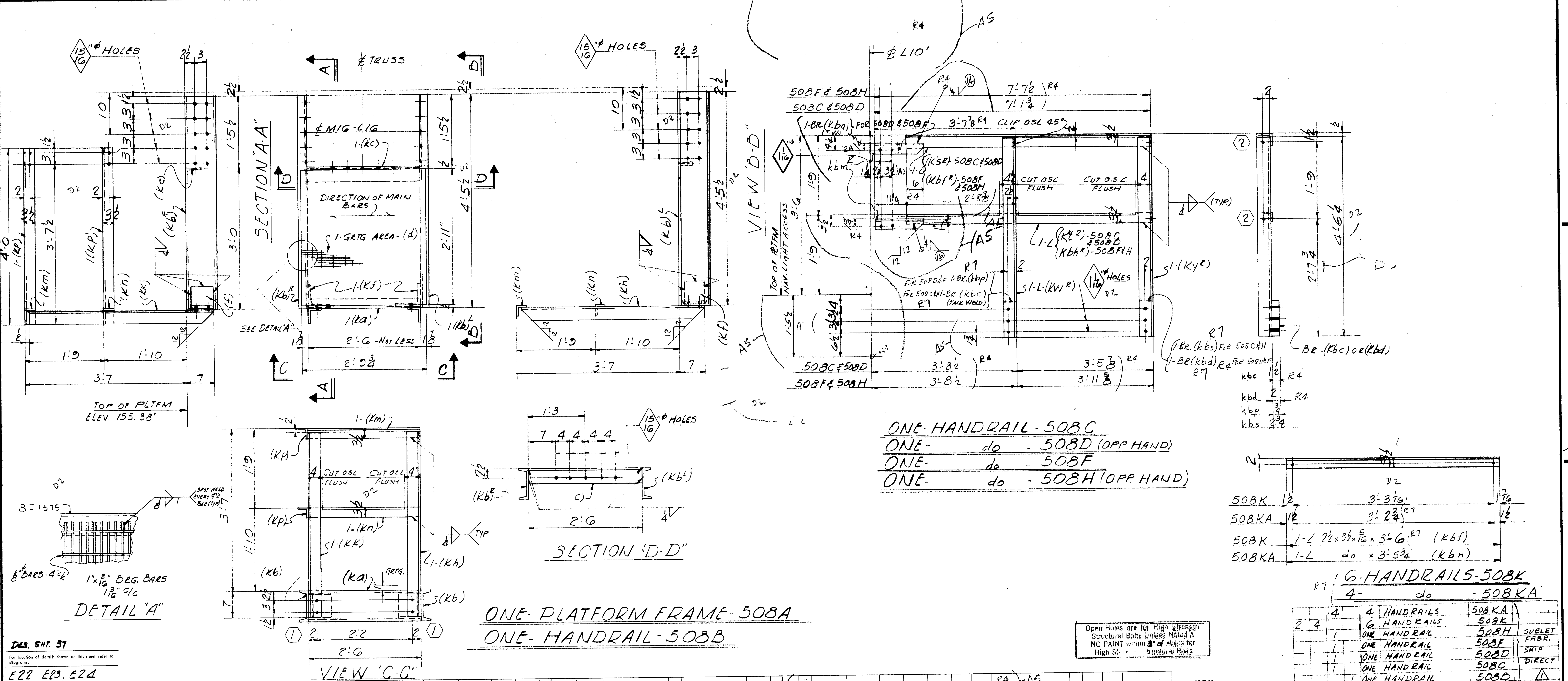
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 JAO DATE 10-28-69 IN CHARGE L.G.
CHECKED BY HKT DATE 11-19-69 SHOP NO.
CONTRACT CG-6290-090 DRAWING NO. 507

35453 (Rev.D 8-69)

121-158



Open Holes are for High Strength Structural Bolts Unless Noted A
NO PAINT within 3" of Holes for High St[illegible] Structural Bolts

R7

6-HANDRAILS-508K
4- do -508KA

H19	H13	M10	H19	NO.	DESCRIPTION	MARK	REMARKS
		4		4	HANDRAILS	508KA	SUBLET FABR. SHIP DIRECT △1
2	4			6	HANDRAILS	508K	
		1		ONE	HANDRAIL	508H	
		1		ONE	HANDRAIL	508F	
		1		ONE	HANDRAIL	508D	
		1		ONE	HANDRAIL	508C	
			1	ONE	HANDRAIL	508B	
			1	ONE	PLATFORM FRAME	508A	
INST.				REQUIRED LIST			

DES. SHT. 37

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

E22, E23, E24

LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
1																
2	ONE-PLATFORM FRAME-508A															
3																
4	k a	1	C	8	13.75		2	6								
5	k b^E_L	1/1	C	8	13.75		4	5½	D2							
6	k c	1	L	4	4	3/8	2	6								
7	d	1	M	GRTG. AREA	2'-9¾	×1"	2	11	ASTM-A36 GW100 1×3/16 Brg. Br. GALV.							
8	k f	2	L^s	6	6	3/4	0	6	△1							
9	FW	1	WD			1/8	3	0								
10	FW	1	WD			1/4	4	4								
11																
12																
13																
14																
15	ONE-HANDRAIL-508B															
16																
17	k h	1	L	3½	3½	3/8	4	1½								
18	k k	1	L	3½	3½	3/8	4	1½								
19	k m	1	L	3½	2½	5/16	2	6								
20	k n	1	L	3½	2½	5/16	2	6								
21	k p	2	L	3½ D2	2½	5/16	4	0 D2								
22	FW	1	WD			1/4	4	0								
23																
24	2-HANDRAILS-1-508C & 1-508D -A5															
25	k bm^R	2	L	3½	2½	5/16	1	5¼	C -A5							
26	k bm^L	2	L	3½	2½	5/16	1	5¼	D -A5							
27	k s^R_L	1/1	L	3½	2½	5/16	6	2½	R4							
28	k t^R_L	1/1	L	3½	2½	5/16	6	2¼								
29	k w^R_L	1/1	L	3½	3½	3/8	4	6¼								
30	k y^R_L	1/1	L	3½	3½	3/8	4	6¼								
31	k ba	1	Br	3½		3/4	0	7½	For 508D							
32	k bp	1	Br	3½		3/4	0	10½	R4 -A5							
33	k bc	2	Br	3½		1½	0	10½	R4							
34	k bd	2	Br	3½		2	0	10½								
35	BW	2	WD			1/8	4	6								
36	FW	2	WD			1/4	5	2	-A5							
37	k bs	1	Br	3½		2¾	0	10½								
38	2-HANDRAILS-1-508F & 1-508H -A5															
39	k bm^R	2	L						F							
40	k bm^L	2	L						H							
41	k bf^R_L	1/1	L	3½	2½	5/16	6	8¼	R4 -A5							
42	k bh^R_L	1/1	L	3½	2½	5/16	6	8	R4							
43	k w^R_L	1/1	L	D2												
44	k y^R_L	1/1	L													
45	k ba	2	Br						For 508F							
46									R4 -A5							
47	k bc	2	Br													
48	k bd	2	Br													
49	FW	2	WD			1/4	5	2	-A5							
50	BW	2	WD			1/8	4 R4	6								
51																
52																
53	△1 6-HANDRAILS-508K															
54	4- do -508KA															
55	k bf	6	L^s	2½	3½	5/16	3	6	R7 For 508K							
56	k bn	4	L^s		do		3	5¾	For 508KA							
57																
58																
59																
60																
61																
62																
63																
64																
65																
66																
67																
68																
69																

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW SEP 10 1970

PLATFORMS & HANDRAIL AT M16-L16 - HANDRAILS AT L10', L11, L12, L15', L16

MATERIAL ASTM. A588 U.N. △1
RIVETS OR BOLTS NONE
OPEN HOLES 13/16"ϕ U.N.
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES NO PAINT
PAINT ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
R7	8/26	JAO
D6	6-15	LG
A5	4/2/70	JF
R4	4/11	JAO
D3	2/25	HKT
2	2/3	HKT
1	12/9	JAO
REVISION		

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

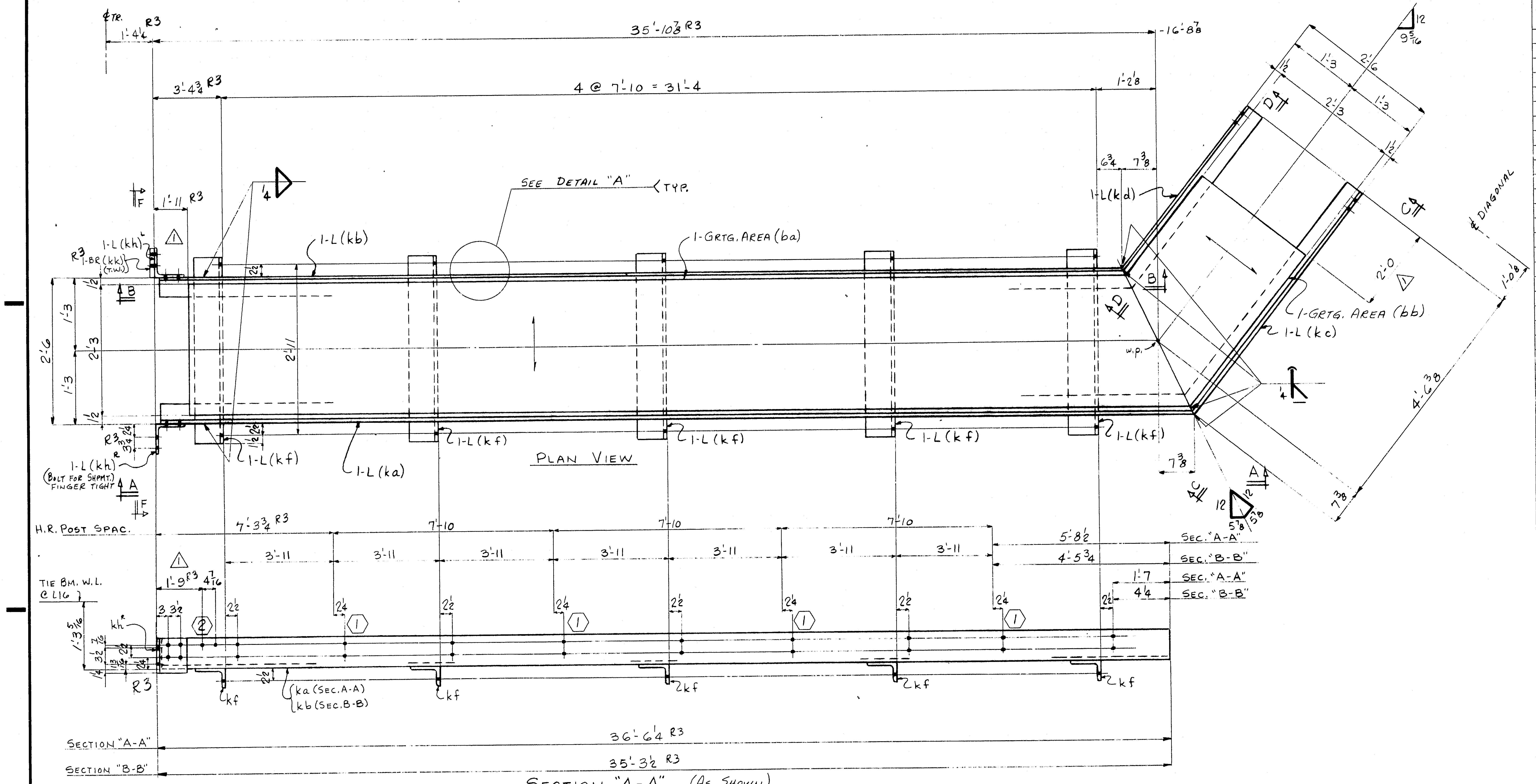
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

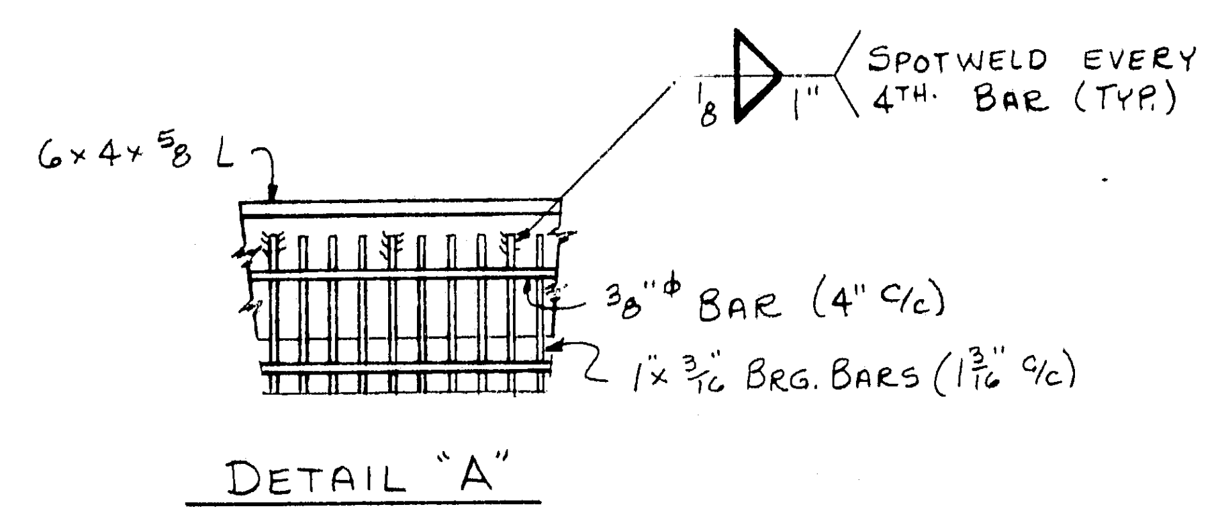
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RSO DATE 11-18-69 IN CHARGE LG
CHECKED BY HKT DATE 11-19-69 SHOP NO.
CONTRACT C96290-090 DRAWING NO. 508

121-159

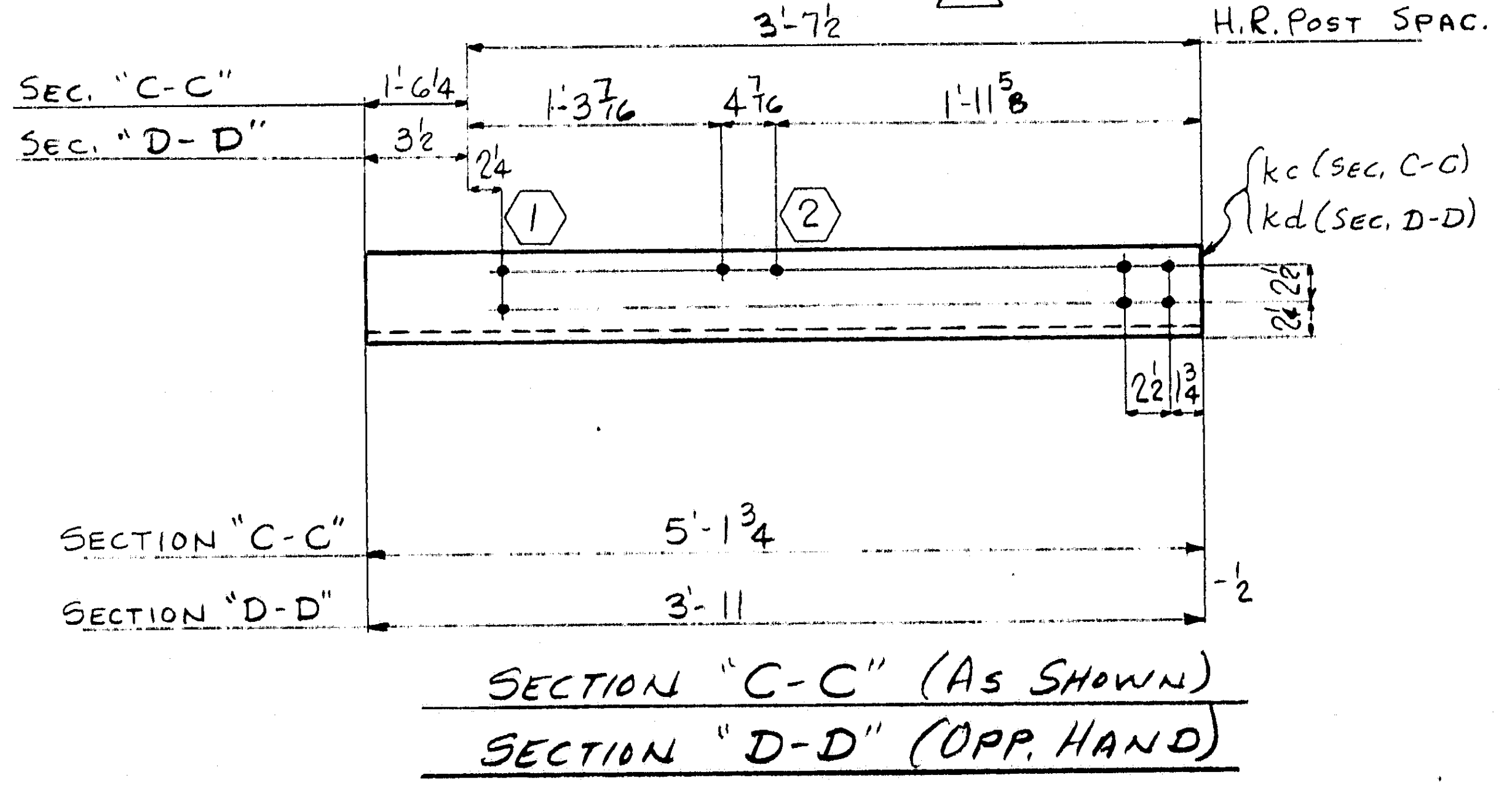
35042 (Rev. E 8-69)



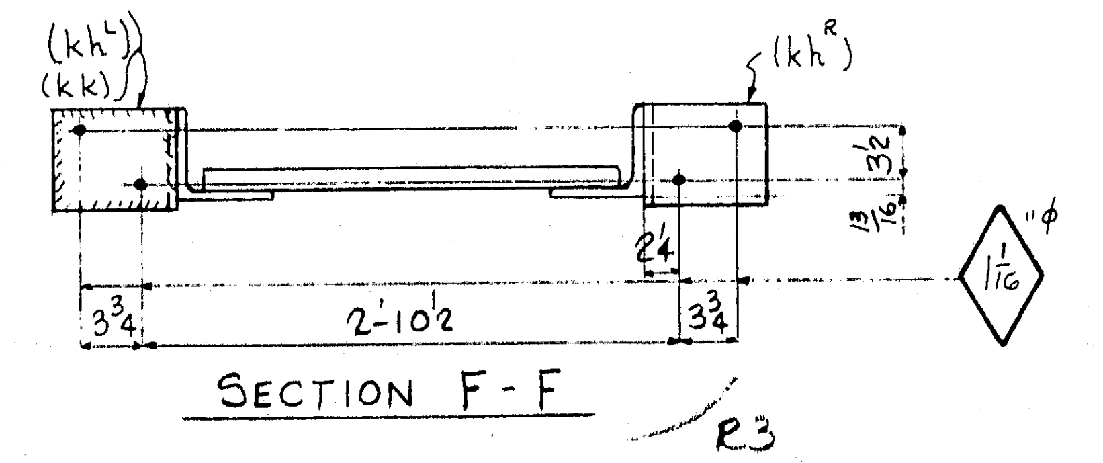
SECTION "A-A" (AS SHOWN)
SECTION "B-B" (OPP. HAND)



DETAIL "A"



SECTION "C-C" (AS SHOWN)
SECTION "D-D" (OPP. HAND)



SECTION F-F

ONE - CATWALK PLATFORM - 509A

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

SHOP BILL

LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS
1	ONE - CATWALK PLATFORM - 509A								
2	k a	1	L	6	4	⅝	36	6	R3
3	k b	1	L	6	4	⅝	35	5¼	R3
4	k c	1	L	6	4	⅝	5	1¾	
5	k d	1	L	6	4	⅝	4	1	
6	k f	5	L	6	4	⅜ R2	3	2	
7	k h R L	1/1	L	8	8	⅝	0	6½	R3
8	ba	1	M	GRTG. AREA	2'-3	1	34	6½	ASTM-A36 GW100 1×3/16 BRG. BARS GALV.
9	bb	1	M	do	2'-3	1	3	1	do
10	k k	1	BR	6½		1¼	0	8	R3
11	FW	1	WD			¼	10	0	
12	B455	1	WD			¼	1	8	
13	BW	1	WD			⅛	1	8	
14	FW	1	WD			⅛	32	0	R3
15		8	HSB	¾"φ			0	2½	A325 HH&N w/1 HW R3

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

Open Holes are for High Strength Structural Bolts. NO PAINT within 3" of Holes

					NO.	DESCRIPTION	MARK	REMARKS
			1		1	CATWALK PLATFORM	509A	SUBLET FABR. SHIP DIRECT
			M19		NO.	DESCRIPTION	MARK	REMARKS

INST. REQUIRED LIST

MATERIAL : ASTM-A588 U.N
RIVETS OR BOLTS : ¾"φ
OPEN HOLES : 13/16"φ
A325 FIELD BOLTS : NONE
SHOP CONTACT SURFACES : NO PAINT
PAINT : ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
R3	4/11	JAO
R2	3/31	JAO
1	12/9	JAO

REVISION

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

CATWALK PLATFORM AT ⑯ TO ⑮

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 JAO DATE 11-6-69 IN CHARGE L.G.
CHECKED BY HKT DATE 12-9-69 SHOP NO.
CONTRACT CG-6290-090 DRAWING NO. 509

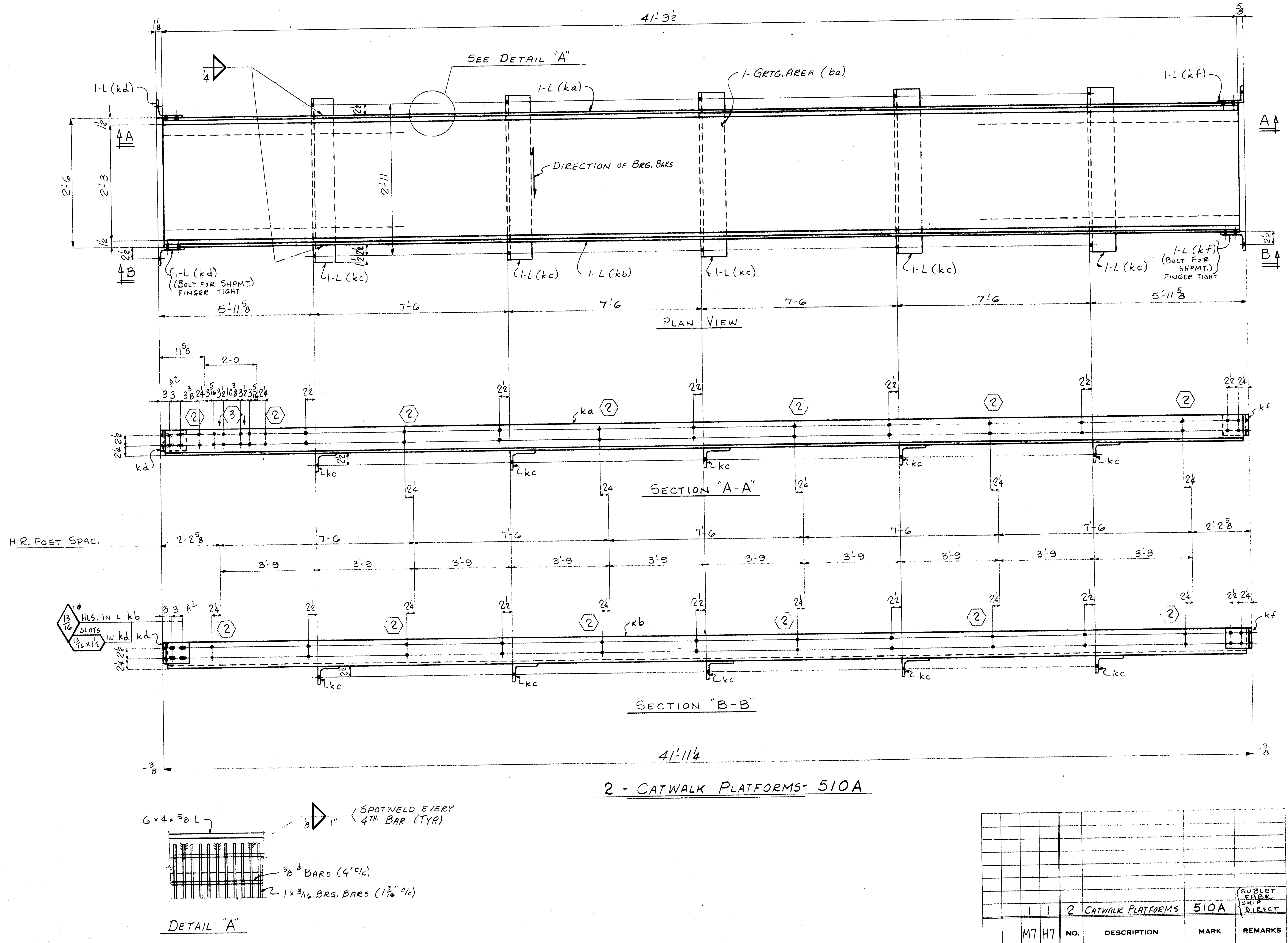
121-160

35453 (Rev.D 8-69)

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

E23

DES. SHT. 36



PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT	MILL ORDER LENGTH IN	MILL ORDER STOCK	ITEM PAGE	ITEM LINE
	1		2 - Catwalk Platforms - 510A														
	2	k a	2	L	6	4	$\frac{5}{8}$	41	9½								
	3	k b	2	L	6	4	$\frac{5}{8}$	41	9½								
	4	k c	10	L	6	4	$\frac{3}{8}$	A2 3	2								
	5	k d	4	L	8	4	$\frac{5}{8}$	0	5								
	6	k f	4	L	6	4	$\frac{5}{8}$	0	5								
	7	ba	2	M	Grtg. Area	27	1	41	9½	ASTM-A36 GW100 GALVANIZED 1×3/16 BB	△1						
	8	FW	2	WD			¼	10	0								
	9	FW	2	WD			⅛	35	6								
	10		32	325	¾"φ			0	2½	RHH & RHN							
	11		32	HW	1 15/32"φ	13/16	5/32										
	12																
	13																
	14																
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APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
MAR 13 1970
BY FFW

Open Holes are for High Strength Structural Bolts, NO PAINT within 3' of Holes

Catwalk Platforms Btwn. ⑦ & ⑧ - ⑧' & ⑦'

MATERIAL : ASTM-A588 U.N.
RIVETS OR BOLTS : ¾"φ
OPEN HOLES : 13/16"φ U.N.
A325 FIELD BOLTS : None
△1 SHOP CONTACT SURFACES : No Paint
PAINT : One Shop Coat

1	1	2	Catwalk Platforms	510A	Sublet Fabr. Ship Direct
M7	H7	NO.	DESCRIPTION	MARK	REMARKS
INST.		REQUIRED LIST			

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
A2	2/19	JRO
1	12/9	JRO
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 JRO DATE 11-4-69 IN CHARGE L. G.
CHECKED BY HKT DATE 11-21-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 510

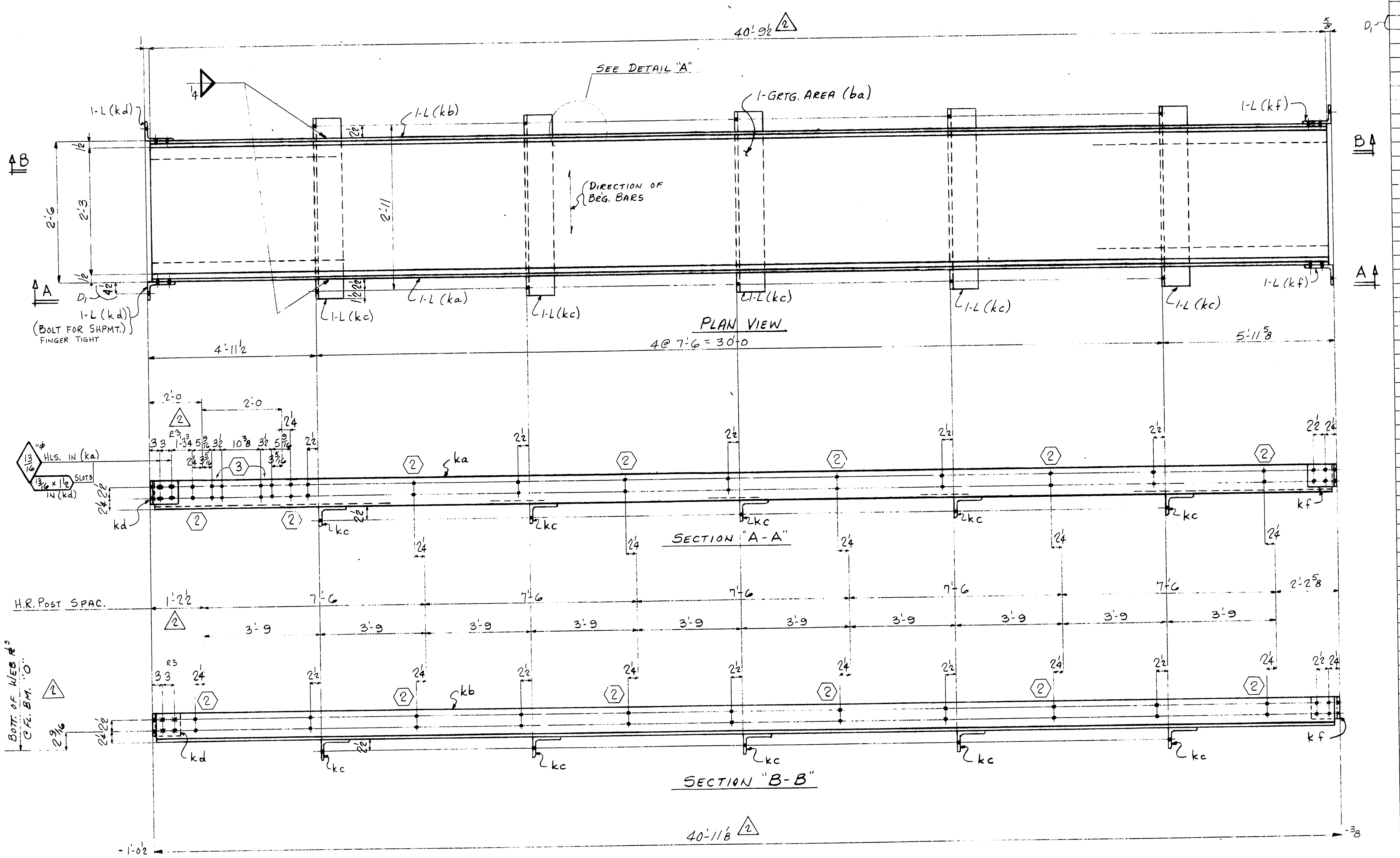
35453 (Rev.D 8-69)

121-161

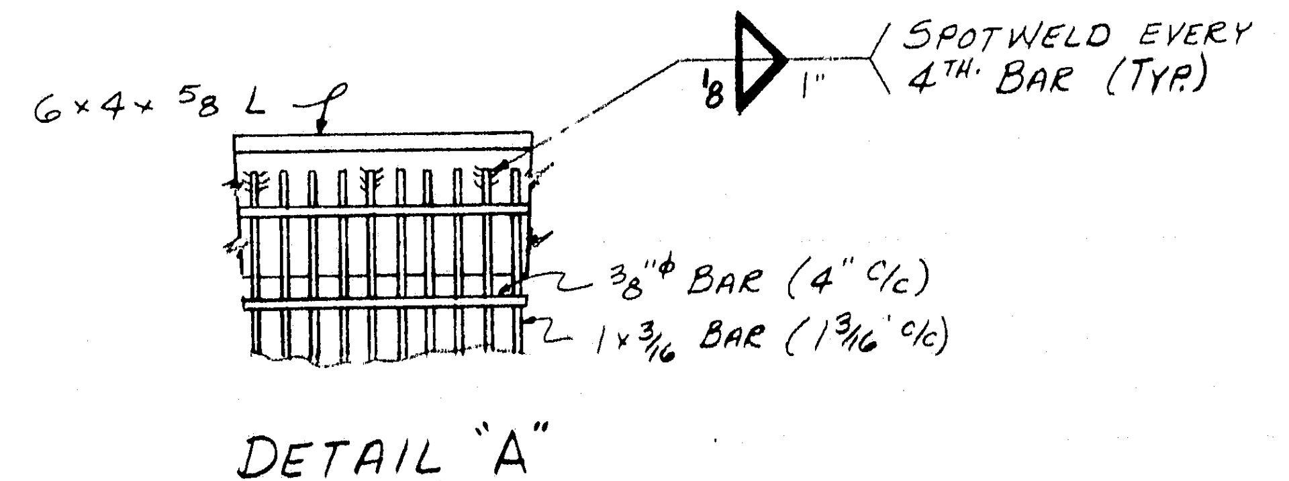
For location of details shown on this sheet refer to diagrams.
E22 & E24

Des. Sht. 39 & 36

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



2-CATWALK PLATFORMS-511A



DETAIL "A"

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

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

E21 & E25

DES. SHT. 3G438

SHOP BILL / MILL ORDER

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		2-CATWALK PLATFORMS-511A														
	2	k a	2	L	6	4	5/8	40	9½	△2							
	3	k b	2	L	6	4	5/8	40	9½								
	4	k c	10	L	6	4	3/8 R3	3	2								
D1	5	k d	4	L	8	6	5/8	0	5								
	6	k f	4	L	6	4	5/8	0	5								
	7	ba	2	M	GRTG. AREA	2'-3	1"	40	9½	ASTM-A36 GW100 GALVANIZED 1×3/16 BB △2							
	8	FW	2	WD			1/4	10	0								
	9	FW	2	WD			1/8	35	6								
	10		32	HSB	3/4"φ			0	2½	A325 HHN w/1 HW							
	11																
	12																
	13																
	14																
	15																
	16																
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	62																

APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW APR 28 1970

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 8' of Holes

1	1	2	CATWALK PLATFORMS 511A		SUBLET FABR. SHIP DIRECT	△2
M1	H1	NO.	DESCRIPTION	MARK	REMARKS	
INST.		REQUIRED LIST				

MATERIAL: ASTM-A588 U.N.
RIVETS OR BOLTS: 3/4"φ
OPEN HOLES: 13/16"φ U.N.
A325 FIELD BOLTS: NONE
SHOP CONTACT SURFACES: NO PAINT
PAINT: ONE SHOP COAT

CATWALK PLATFORMS BTWN. ⓪ TO ① & ①' TO ⑥'

REVISION NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
R3	3-31	JAO
2	12-9	JAO
D1	12-4	2/BV

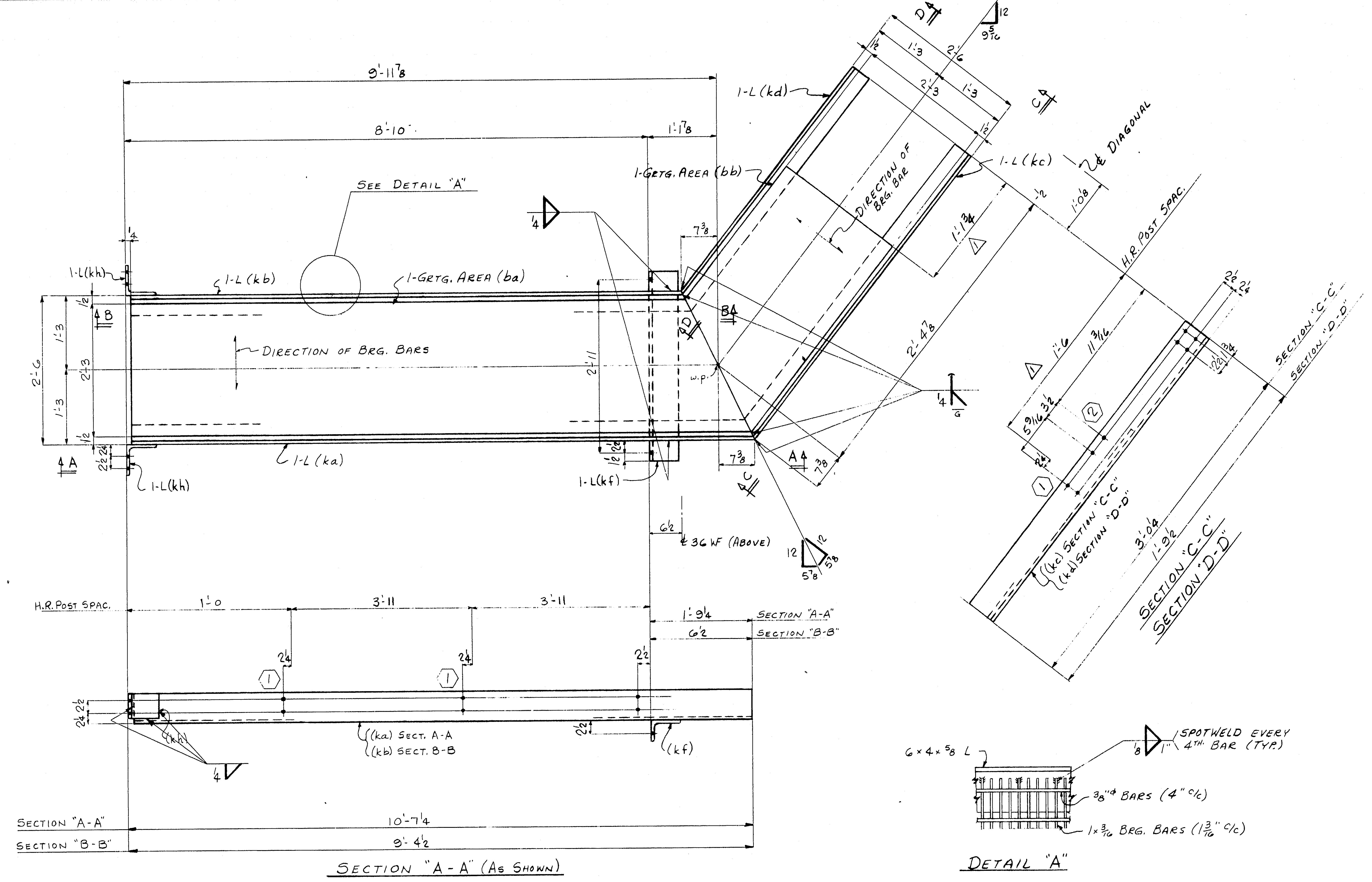
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 JAO DATE 11-4-69 IN CHARGE L.G.
CHECKED BY HKT DATE 11-24-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 511

35453 (Rev.D 8-69)

121-162



SECTION "A-A" (AS SHOWN)

SECTION "B-B" (OPP. HAND)

DETAIL "A"

ONE - CATWALK PLATFORM - 512A

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

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

SHOP BILL

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS
	1		ONE - CATWALK PLATFORM - 512							
	2	k a	1	L	6	4	5/8	10	7	
	3	k b	1	L	6	4	5/8	9	6 1/4	
	4	k c	1	L	6	4	5/8	3	0 1/4	
	5	k d	1	L	6	4	5/8	1	11 1/2	
	6	k f	1	L	6	4	3/8 R2	3	2	
	7	k h	2	L	6	6	5/8	0	5	
	8	ba	1	M	GRTG. AREA	2'-3	1	10	6 1/4	ASTM-A36 GW100 1×3/16 B.B. GALV.
	9	bb	1	M	do	2'-3	1	1	9 3/4	⚠1 do
	10	FW	1	WD			1/8	24	0	
	11	FW	1	WD			1/4	4	9	
	12	B455	1	WD			1/4	1	8	
	13	BW	1	WD			1/8	1	8	
	14									
	15									
	16									
	17									
	18									
	19									
	20									
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MILL ORDER

WIDTH	THICK	LENGTH FT.	LENGTH IN	STOCK	ITEM PAGE	ITEM LINE

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW APR 28 1970

Open Holes are for
High Strength Structural Bolts,
NO PAINT within 8" of Holes

					NO.	DESCRIPTION	MARK	REMARKS
				1	1	CATWALK PLATFORM	512A	SUBLET FABR. SHIP DIRECT ⚠1
				M19	NO.	DESCRIPTION	MARK	REMARKS
INST.					REQUIRED LIST			

MATERIAL: ASTM-A588 U.N.
RIVETS OR BOLTS: NONE
OPEN HOLES: 13/16"φ
A325 FIELD BOLTS: NONE
SHOP CONTACT SURFACES: NO PAINT
PAINT: ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
R2	3-31	JAO
1	12/9	JAO

REVISION

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

CATWALK PLATFORMS BTWN. ⑯ & ⑮

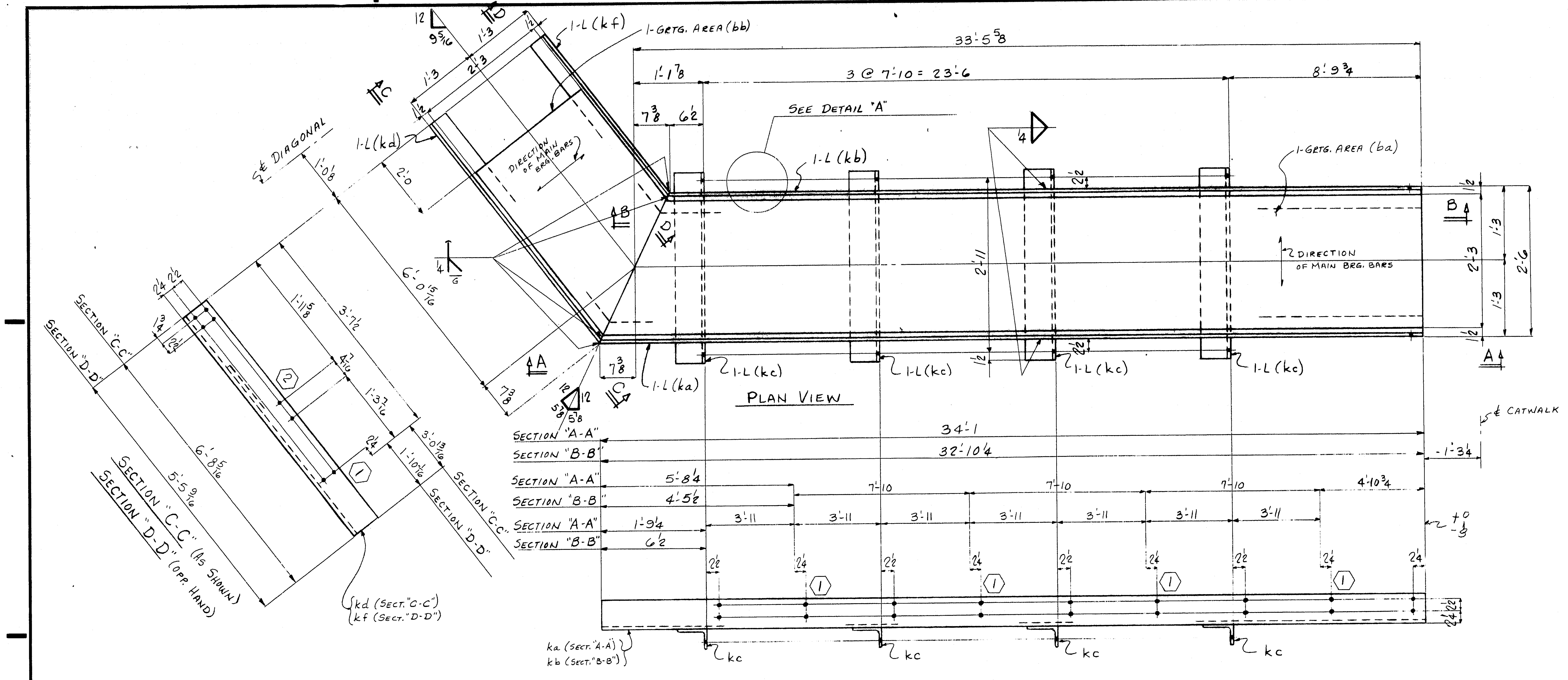
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JAO DATE 11-6-69 IN CHARGE L.G.
CHECKED BY HKT DATE 12-9-69 SHOP NO.
CONTRACT CG6290-090 DRAWING NO. 512

121-163

35453 (Rev.D 8-69)

0 1 2 3 4 5 6

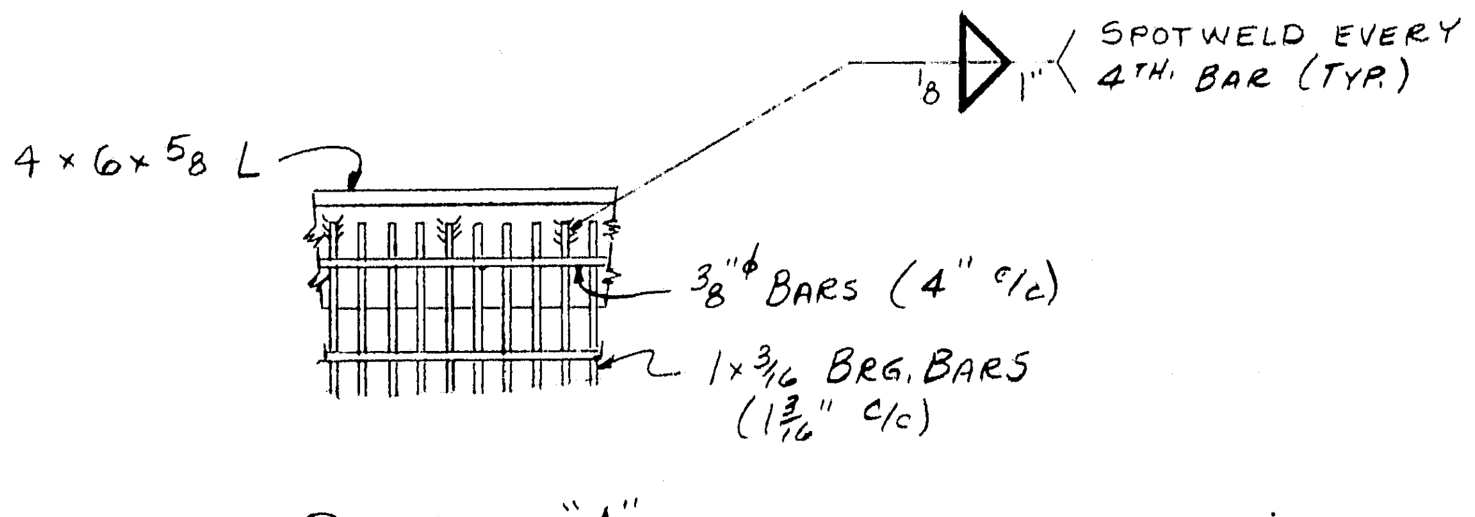


SECTION "A-A" (AS SHOWN)

SECTION "B-B" (OPP. HAND)

1 GEN. REVISION

ONE - CATWALK PLATFORM - 513A



1/8 1" SPOTWELD EVERY 4TH. BAR (TYP.)
4 × 6 × 5/8 L
3/8"ϕ BARS (4" c/c)
1 × 3/16 BRG. BARS (1 3/16" c/c)

DETAIL "A"

	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.

E25

DES SHT. 36

SHOP BILL

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS
	1		ONE - CATWALK PLATFORM - 513A							
	2	k a	1	L	6	4	5/8	34	1	
	3	k b	1	L	6	4	5/8	33	0 3/16	
	4	k c	4	L	6	4	3/8 R	23	2	
	5	k d	1	L	6	4	5/8	6	8 5/16	
	6	k f	1	L	6	4	5/8	5	7 1/2	
	7	ba	1	M	GRTG. AREA	2'-3 × 1		34	0 1/4	ASTM-A36 GALV. 1×3/16 B.B.
	8	bb	1	M	GRTG. AREA	2'-3 × 1		4	7 9/16	do
	9	FW	1	WD			1/8	37	6	
	10	FW	1	WD			1/4	8	0	
	11	B45S	1	WD			1/4	1	8	
	12	BW	1	WD			1/8	1	8	

MILL ORDER: WIDTH | THICK | LENGTH FT. IN. | STOCK | ITEM PAGE LINE

APPROVED
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW APR 28 1970

Open Holes are for High Strength Structural Bolts. NO PAINT within 3" of Holes

CATWALK PLATFORM BTWN. ⑯ & ⑮'

MATERIAL : ASTM-A588 U.N.
RIVETS OR BOLTS : NONE
OPEN HOLES : 13/16"ϕ
A325 FIELD BOLTS : NONE
SHOP CONTACT SURFACES : NO PAINT
PAINT : ONE SHOP COAT

1	1	CATWALK PLATFORM	513 A	SUBLET FABR. SHIP DIRECT
M19	NO.	DESCRIPTION	MARK	REMARKS
INST.		REQUIRED LIST		

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
R2	3/31	JAO
1	12/18/69	JAO

REVISION

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

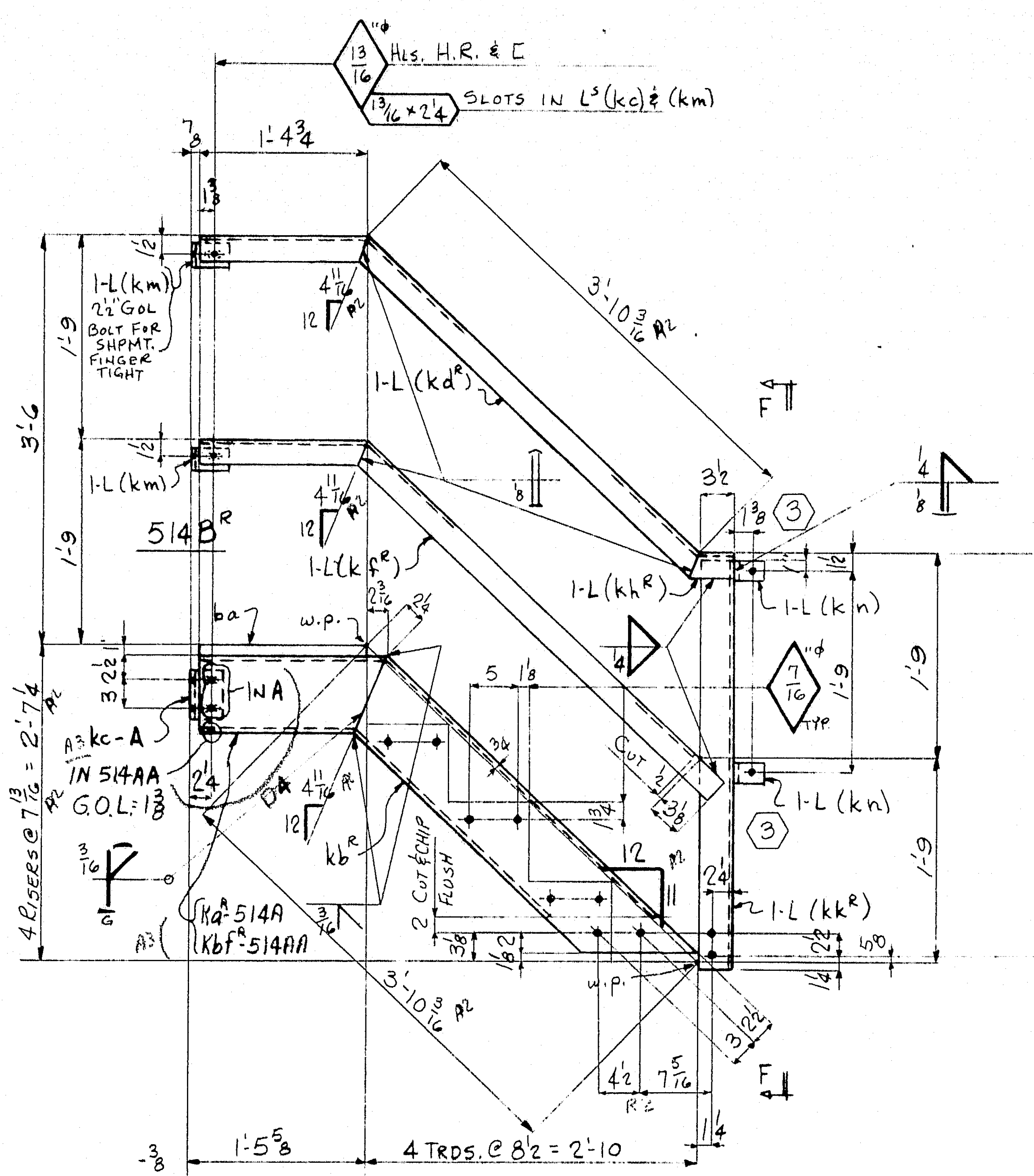
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

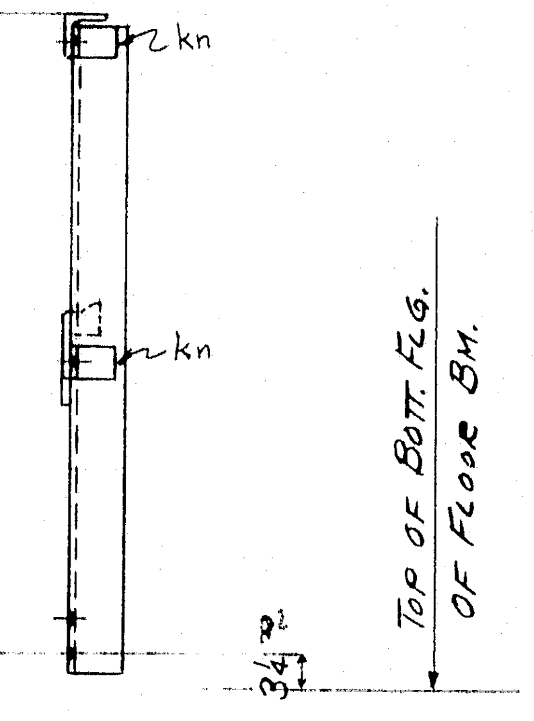
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JAO DATE 11-7-69 IN CHARGE L.G.
CHECKED BY HKT DATE 11-21-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 513

35453 (Rev.D 8-69)

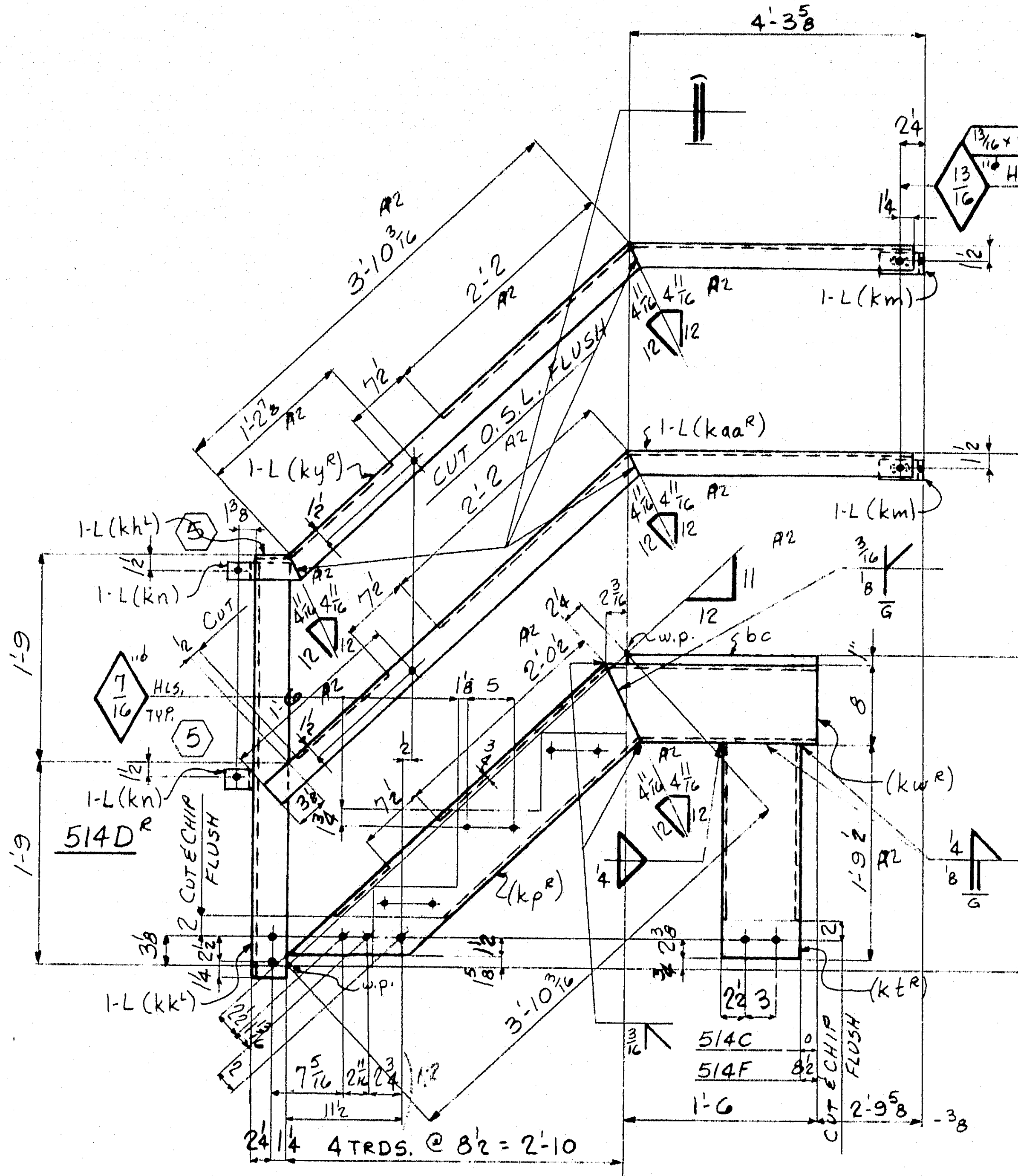
121-164



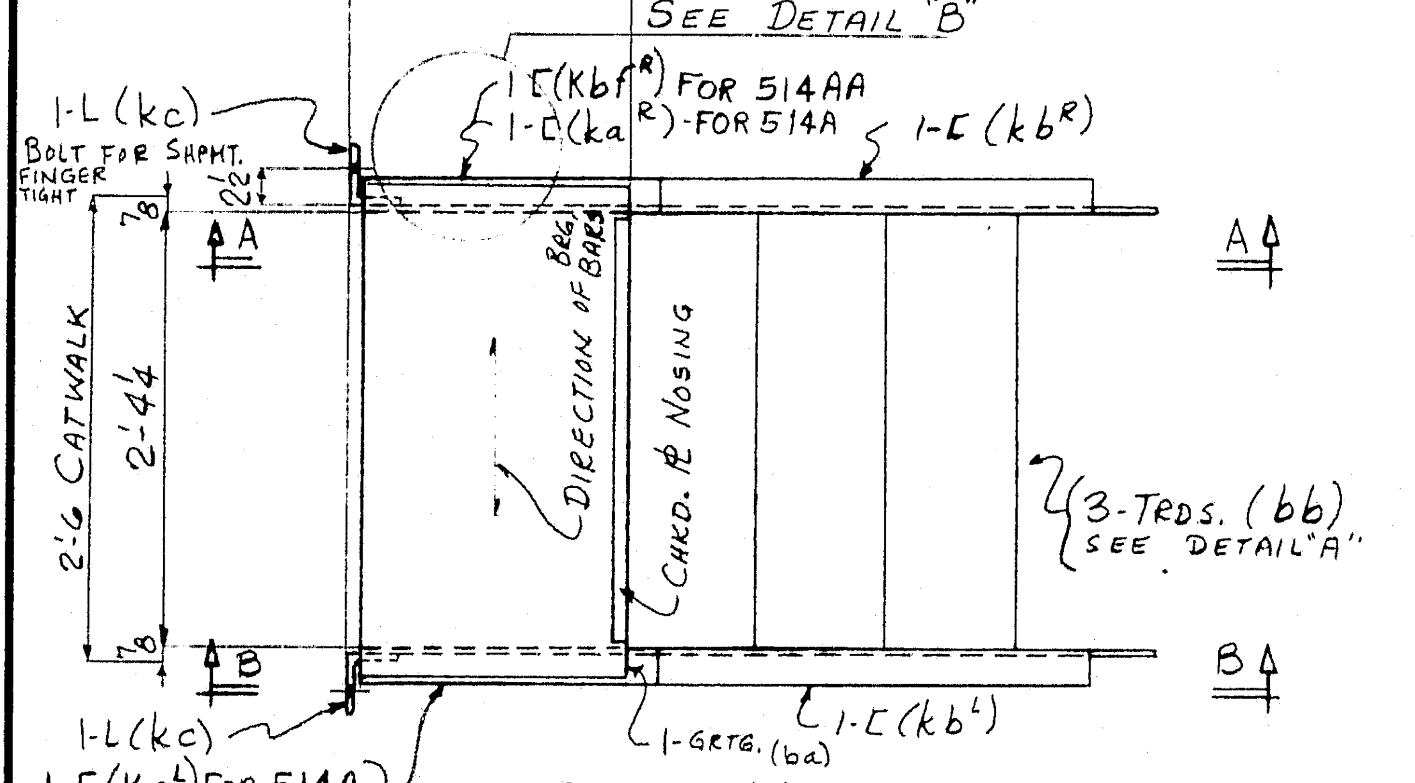
SECTION "A-A" (AS SHOWN)
SECTION "B-B" (OPP. HAND)



VIEW "F-F"



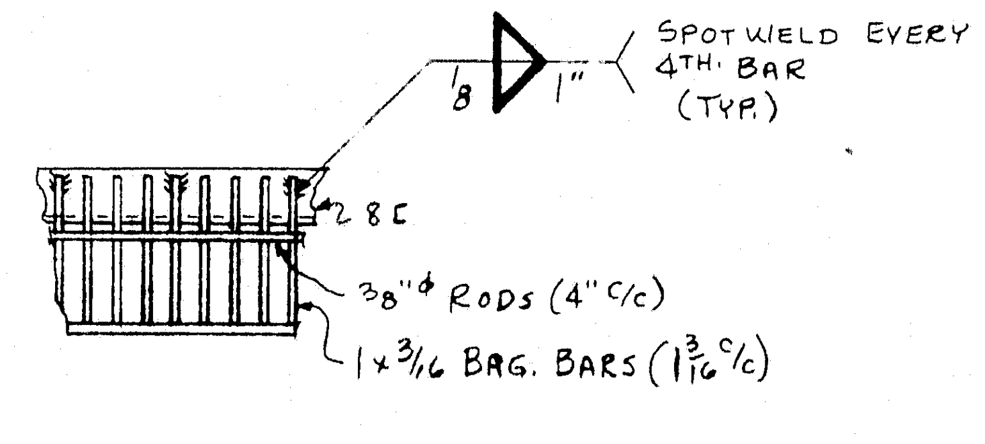
SECTION "C-C" (AS SHOWN)
SECTION "D-D" (OPP. HAND)



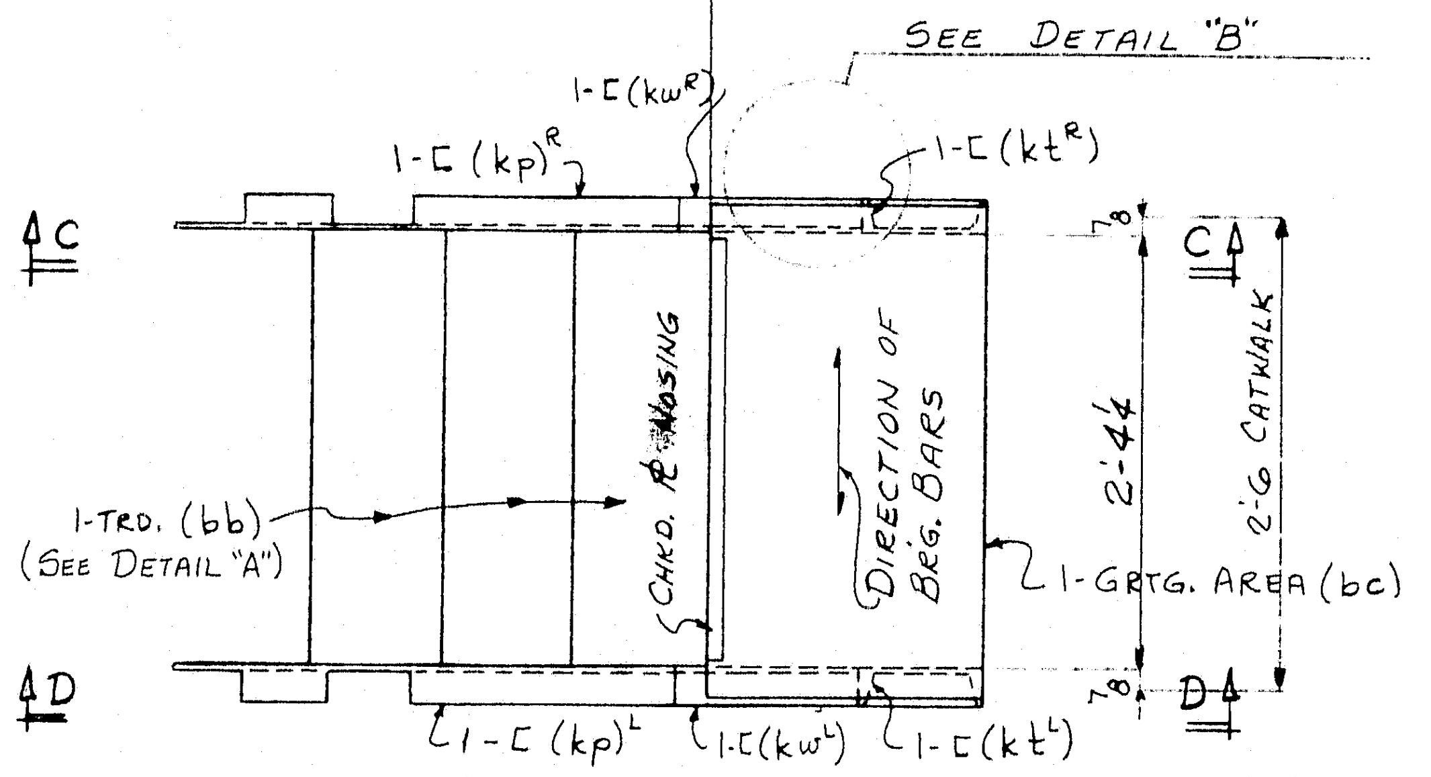
PLAN VIEW

A3 (12 STAIRS - 514A
2 - STAIR - 514AA

13 - HAND RAILS - 514B^R
14 - do - 514B^L

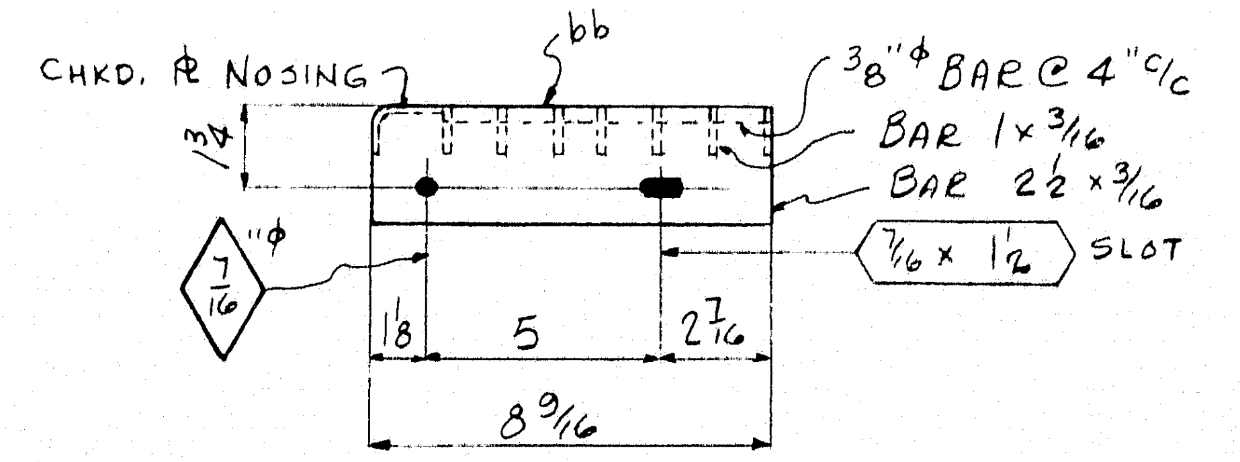

1/8
1"
SPOTWELD EVERY 4TH BAR (TYP.)
2 & C
3/8"φ RODS (4" c/c)
1 × 3/16 BRG. BARS (1 3/16 c/c)

DETAIL "B"



PLAN VIEW

14 - STAIRS - 514C
2 - do - 514F
16 - HAND RAILS - 514D^R
16 - do - 514D^L



DETAIL "A"

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

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

E22, E23 & E24

DES. SHT. 36

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		12- STAIRS - 514A							2 STAIR 514AA							
	2	k a^R_L	12/12	C	8	11.5		1	6 15/16	FOR 514A A3							
	3	k b^R_L	14/14	C	8	11.5		3	7 1/16	A2							
	4	k c	24	L	4	4	3/8	0	6	A							
	5	ba	14	M	GRTG. AREA	16 3/4	1	2	8	ASTM-A36 GW100 GALV. 1×3/16 B.B. ⚠1							
	6	bb	42	M	GRTG. TRDS.	8 9/16		2	4 1/4	do do							
	7	B455	14	WD			3/16	2	0								
	8	K bf^R_L	2/2	C	8	11.5		1	6 15/16	FOR 514AA A3							
	9	~~BW~~ ~~FW~~	~~14~~ ~~14~~	~~WD~~ ~~WD~~		~~1/8~~ ~~1/8~~		~~1~~ ~~1~~	~~1~~ ~~6~~								
	10		56	325	3/4"φ			0	2	RHH & RHN A2							
	11		56	HW	1 15/32"φ	13/16	5/32										
	12		~~148~~ ~~148~~	~~MB~~ ~~W~~	~~3/8~~ ~~3/4~~	~~7/16~~	~~1/8~~	~~0~~	~~1 1/4~~	~~GALV. RHH & RHN~~ ~~LOCK WASH.~~ A3							
	13	13 HAND RAILS 514B^R				14 HAND RAILS 514B^L											
	14	k d^R_L	13/14	L	2 1/2	2 1/2	5/16	5	3 15/16	CUT BEND & WELD							
	15	k f^R_L	13/14	L	2 1/2	2 1/2	5/16	5	6 1/16	A2 do							
	16	k h^R_L	13/14	L	2 1/2	2 1/2	5/16	0	4 1/2								
	17	k k^R_L	13/14	L	3 1/2	3 1/2	3/8	3	6 1/8								
	18	k m	54	L	4	4	3/8	0	2								
	19	k n	54	L	3	2 1/2	5/16	0	2								
	20	BW	28	WD			1/8	1	10								
	21	FW	28	WD			1/4	1	3								
	22		54	325	3/4"φ			0	2	RHH & RHN A2							
	23		54	HW	1 15/32"φ	13/16	5/32										
	24																
	25																
	26		14- STAIRS - 514C														
	27	k p^R_L	14/14	C	8	11.5		3	6 5/16	A2							
	28	k t^R_L	14/14	C	8	11.5		1	9 1/2								
	29	k w^R_L	14/14	C	8	11.5		1	8 3/16								
	30	bc	14	M	GRTG. AREA	18		2	8	ASTM-A36 GW100 GALV. 1×3/16 B.B. ⚠1							
	31	bb	42	M	GRTG. TRDS.					do do							
	32	B455	14	WD			3/16	2	0								
	33	BW	14	WD			1/8	2	0								
	34	FW	14	WD			1/4	1	2								
	35	FW	14	WD			1/8	1	6								
	36		148	MB	3/8			0	1 1/4	GALV. RHH & RHN							
	37		148	W	3/4	7/16	1/8			LOCK WASH. A3							
	38																
	39		16 -HAND RAILS- 514D^R														
	40		16 - do - 514D^L							A2							
	41	k y^R_L	16/16	L	2 1/2	2 1/2	5/16	8	1 13/16	CUT BEND & WELD							
	42	k aa^R_L	16/16	L	2 1/2	2 1/2	5/16	8	3 15/16	do							
	43	k h^R_L	16/16	L													
	44	k k^R_L	16/16	L													
	45	k m	64	L													
	46	k n	64	L													
	47	BW	32	WD			1/8	2	0								
	48	FW	32	WD			1/4	1	3								
	49		64	325	3/4"φ			0	2	RHH & RHN. A2							
	50		64	HW	1 15/32"φ	13/16	5/32										
	51																
	52		2 - STAIRS - 514F														
	53	k p^R_L	2/2	C													
	54	k t^R_L	2/2	C													
	55	k w^R_L	2/2	C													
	56	bc	2	M	GRTG. AREA												
	57	bb	6	M	GRTG. TRDS.												
	58	B455	2	WD			3/16	2	0								
	59	BW	2	WD			1/8	2	0								
	60	~~FW~~ ~~FW~~	~~2~~ ~~2~~	~~WD~~ ~~WD~~			~~1/4~~ ~~1/8~~	~~1~~ ~~1~~	~~2~~ ~~6~~								
	61		24	MB	3/8			0	1 1/4	GALV. RHH & RHN							
	62		24	W	3/4	7/16	1/8			LOCK WASH. A3							

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW
SEP 10 1970

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3" of Holes

	H10	H13	H16	H19	M19	M16	M13	M10	NO.	DESCRIPTION	MARK	REMARKS
A3-C	1							1	2	STAIRS	514AA	SUBLET FABR. SHIP DIRECT
	1							1	2	STAIRS	514F	
	2	2	2	2	2	2	2	2	16	HAND RAILS	514D^R	
	2	2	2	2	2	2	2	2	16	do	514D^L	
	1	2	2	2	2	2	2	1	14	STAIRS	514C	
	1	2	2	2	1	2	2	1	13	HAND RAILS	514B^R	
	1	2	2	2	2	2	2	1	14	do	514B^L	
A3-C		2	2	2	2	2	2		12	STAIRS	514A	
	INST.								REQUIRED LIST			

⚠ MATERIAL: ASTM-A588 U.N.
RIVETS OR BOLTS: 3/4"φ
OPEN HOLES: 13/16"φ U.N.
A325 FIELD BOLTS: NONE
SHOP CONTACT SURFACES: NO PAINT

PAINT: ONE SHOP COAT

CATWALK STAIRS & HAND RAILING

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
D4	8/31	LG
A3	4/20	K
A2	2/19	JAO
1	12/9	JAO

REVISION

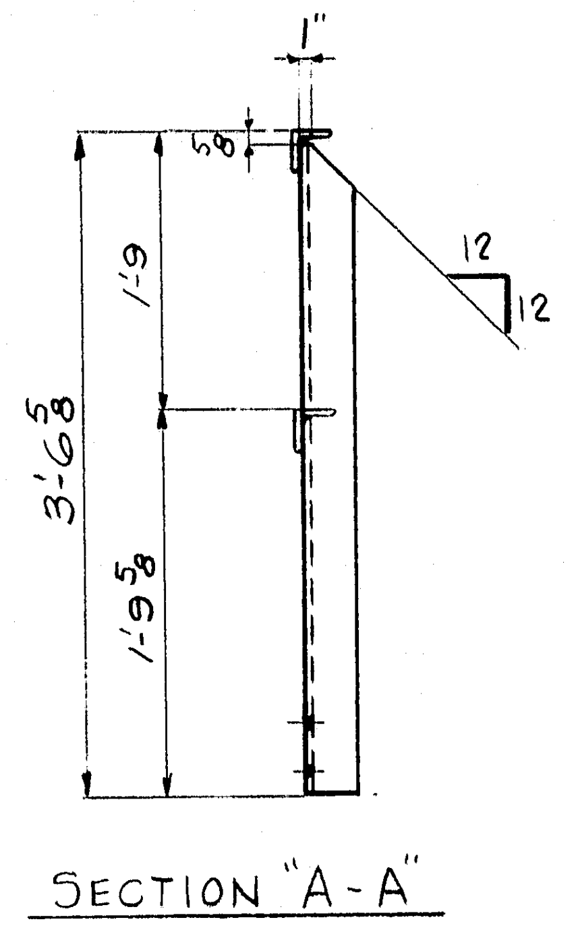
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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

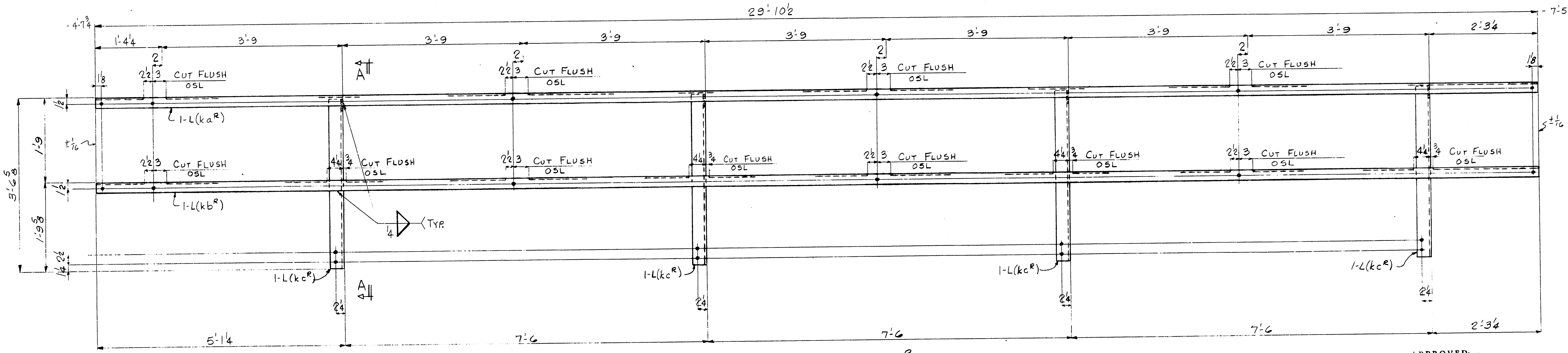
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JAO DATE 11-8-69 IN CHARGE L.G.
CHECKED BY HKT DATE 11-21-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 514

121-165

35453 (Rev.D 8-69)



SECTION "A-A"



13- HAND RAILS - $515A^R$
13- do - $515A^L$

Open Holes are for High Strength Structural Bolts. NO PAINT within 5" of Holes

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

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

E22, E23 & E24

PRODUCT TYPE	LINE	SHOP BILL ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SIZE OR POUNDS	THICK	LENGTH FT.	IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	IN.	STOCK	ITEM PAGE	LINE
	1		13-HAND RAILS-$515A^R$														
	2		13- do -$515A^L$														
	3	k a^R_L	13/13	L	2½	2½	5/16	29	10½								
	4	k b^R_L	13/13	L	2½	2½	5/16	29	10½								
	5	k c^R_L	52/52	L	3½	3½	⅜	3	6								
	6	FW	26	WD			¼	3	7								
	7																
	8																
	9																
	10																
	11																
	12																
	13																
	14																
	15																
	16																
	17																
	18																
	19																
	20																
	21																

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
FFW JUN 29 1970

H10	H13	H16	H19	M19	M16	M13	M10	NO.	DESCRIPTION	MARK	REMARKS
1	2	2	2	1	2	2	1	13	HAND RAILS	$515A^R$	SUBLET FABR. SHIP DIRECT △1
1	2	2	2	1	2	2	1	13	do	$515A^L$	
				INST.				REQUIRED LIST			

CATWALK HAND RAILING ⑨ TO ⑨'

MATERIAL : A.S.T.M. - A588
RIVETS OR BOLTS : NONE
OPEN HOLES : 13/16"φ
A325 FIELD BOLTS : NONE
SHOP CONTACT SURFACES : NO PAINT
PAINT : ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
1	12/9	JAO

REVISION

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

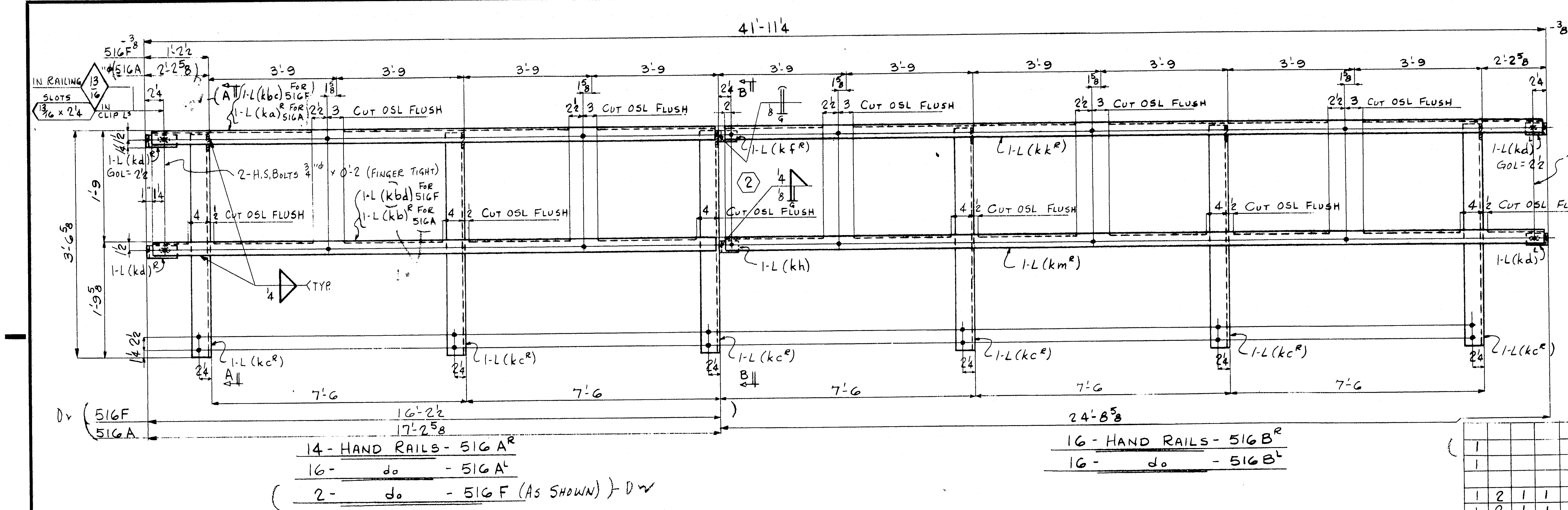
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JAO DATE 11-13-69 IN CHARGE L.G.
CHECKED BY HKT DATE 11-24-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 515

121-166

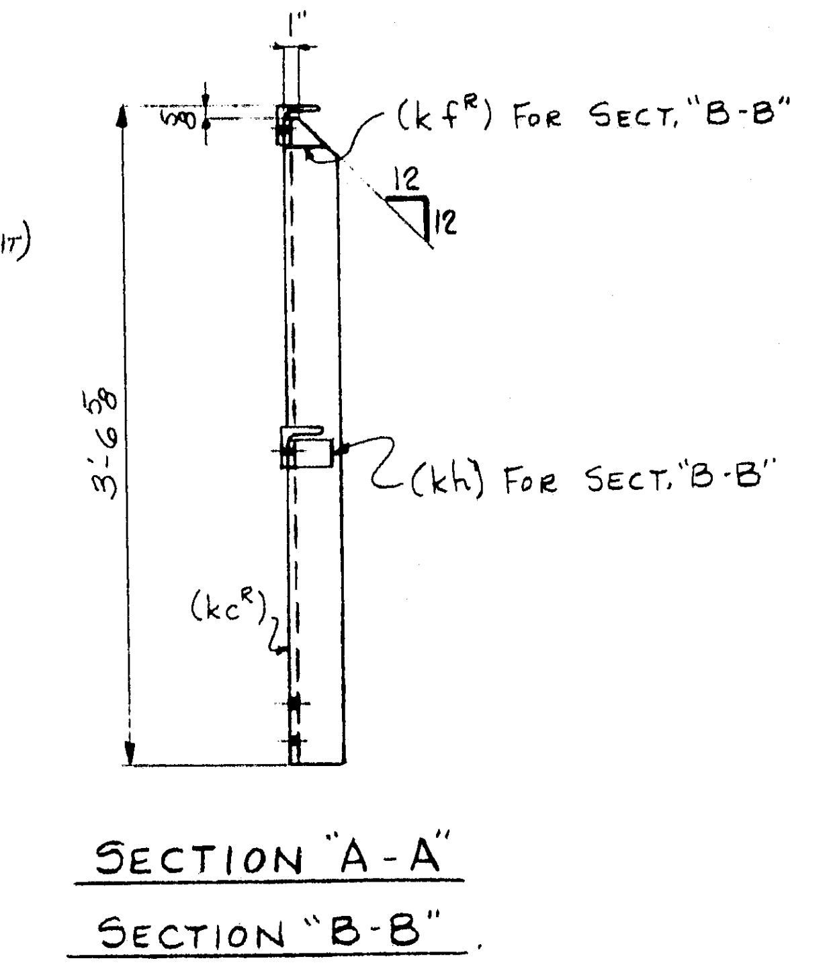
35042 (Rev.E 8-69)

DES SHT 36



14 - HAND RAILS - 516A^R
16 - do - 516A^L
(2 - do - 516F (AS SHOWN)) - Dv

16 - HAND RAILS - 516B^R
16 - do - 516B^L

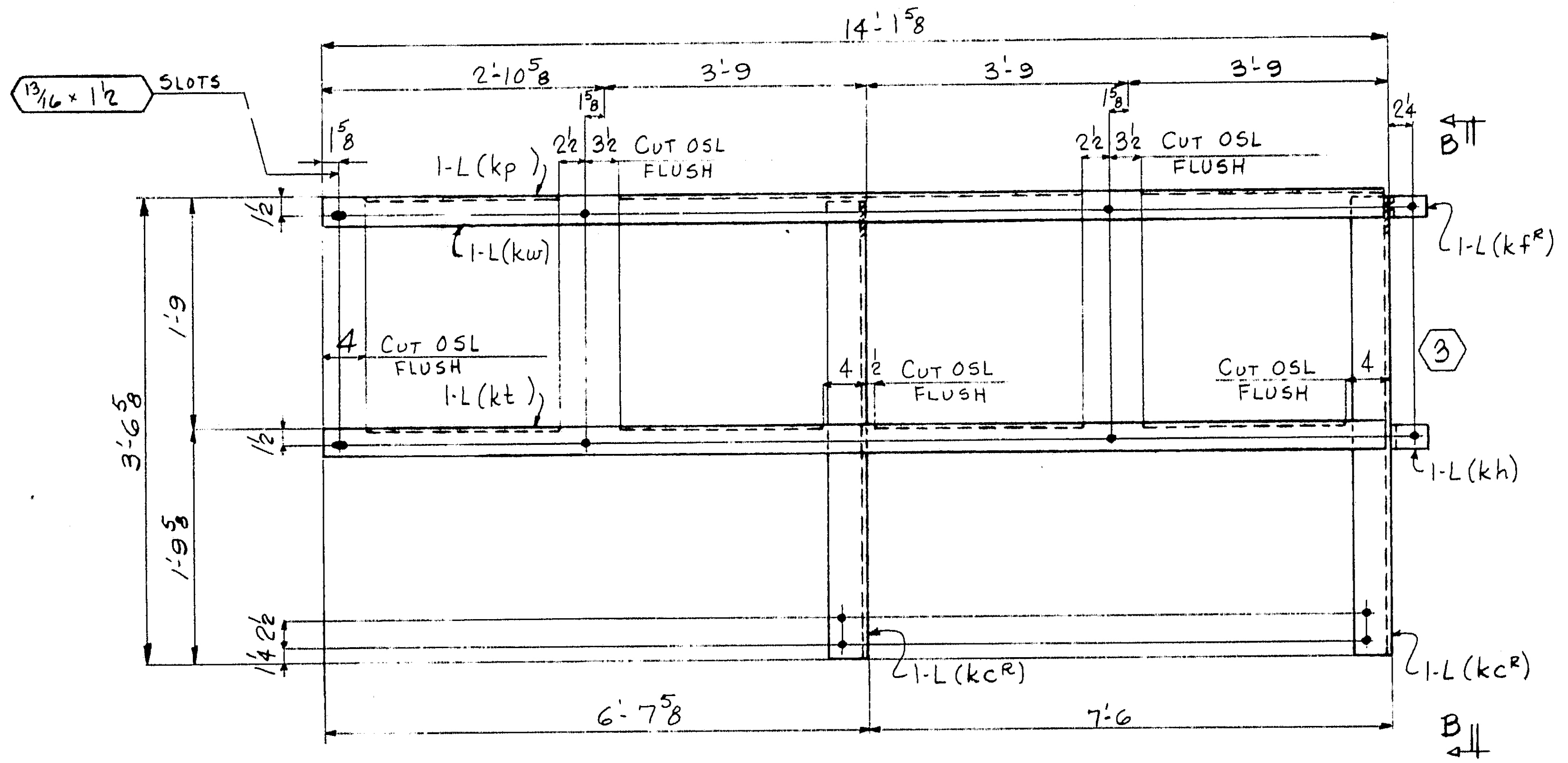


SECTION "A-A"

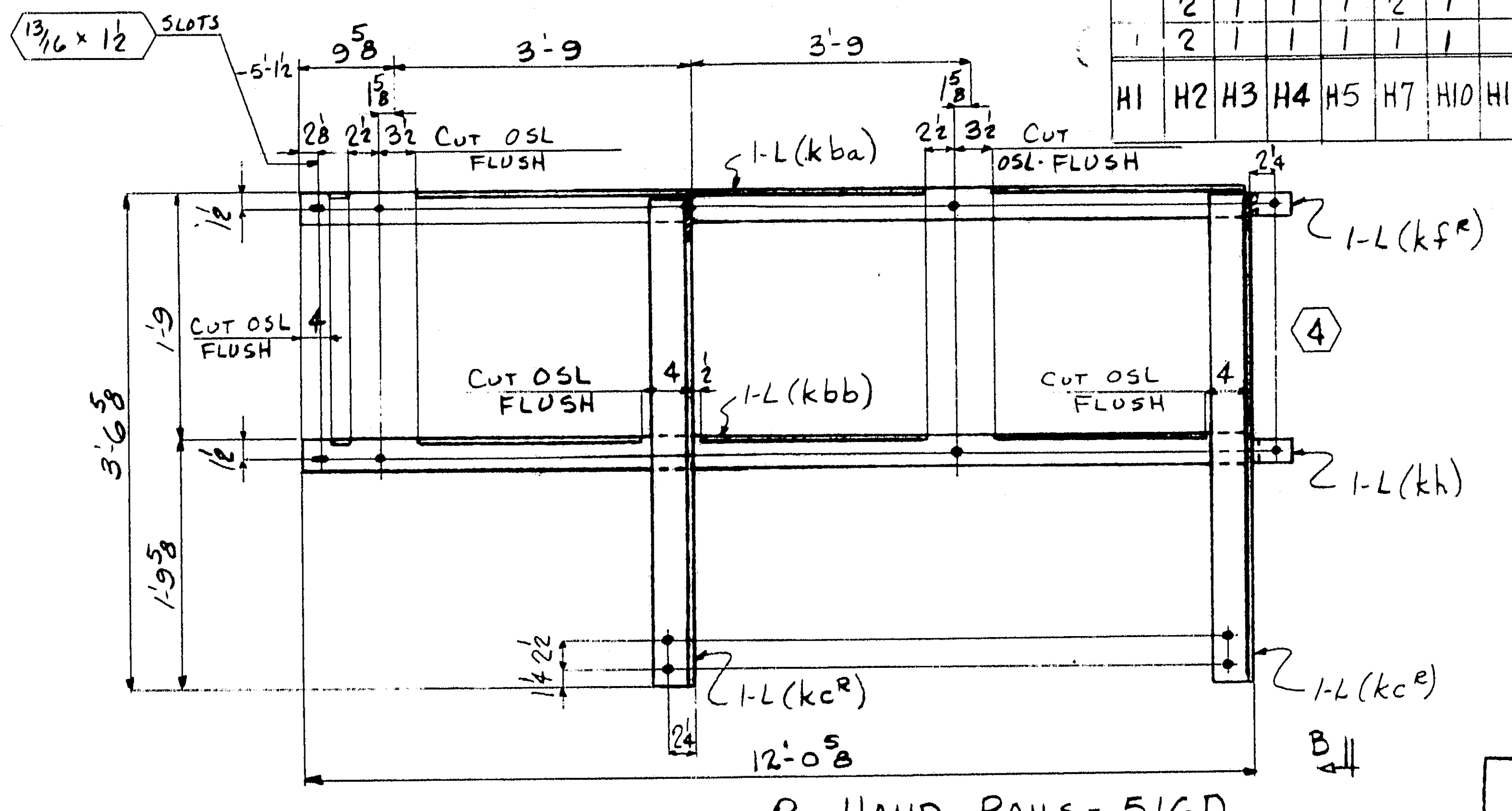
SECTION "B-B"

H1	H2	H3	H4	H5	H7	H10	H13	H16	H19	M19	M16	M13	M10	M7	M5	M4	M3	M2	M1	NO. ✓	DESCRIPTION	MARK	REMARKS
1																			1	2	HAND RAILS	516F	- Dv
1																			1	2	HAND RAILS	516D	SUBLET FABR. SHIP DIRECT 1
					1									1						2	HAND RAILS	516C	
1	2	1	1	1	2									2	1	1	1	2	1	16	HAND RAILS	516B^L	
1	2	1	1	1	2									2	1	1	1	2	1	16	HAND RAILS	516B^R	
	2	1	1	1	2	1							1	2	1	1	1	2		16	HAND RAILS	516A^L	
1	2	1	1	1	1	1							1	1	1	1	1	2		14	HAND RAILS	516A^R	

INST. REQUIRED LIST



2 - HAND RAILS - 516C



2 - HAND RAILS - 516D

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3" of Holes

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

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

E21, E22, E24 & E25

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		(30 - HAND RAILS - 516A R-14 L-16														
	2		2 - do - 516F							) - D ✓							
	3	k a^R_L	14/16	L	2½	2½	5/16	17	1¼	FOR 516A^R_L							
	4	k b^R_L	14/16	L	2½	2½	5/16	17	1¼	FOR 516A^R_L							
	5	k c^R_L	48/48	L	3½	3½	3/8	3	6								
	6	k d^R_L	32/32	L	4	4	3/8	0	2¼								
	7	k f^R_L	16/16	L	3½	3	3/8	0	2								
	8	k h	32	L	3½	3	3/8	0	2								
	9	FW	32	WD			1/4	2	6								
	10	BW	32	WD			1/8	0	7								
	11		64	HSB	¾"φ			0	2	A325 HHEN w/1 HW							
	12	k bc	2	L	2½	2½	5/16	16	1¼	FOR 516F) - D ✓							
	13	k bd	2	L	2½	2½	5/16	16	1¼	FOR 516F							
	14																
	15																
	16																
	17																
	18																
	19																
	20																
	21																
	22		16 - HAND RAILS - 516B^R														
	23		16 - do - 516B^L														
	24	k k^R_L	16/16	L	2½	2½	5/16	24	7½								
	25	k m^R_L	16/16	L	2½	2½	5/16	24	7½								
	26	k d^R_L	32/32	L													
	27	k c^R_L	48/48	L													
	28	FW	32	WD			1/4	3	4¼								
	29		64	HSB	¾"φ			0	2	A325 HHEN w/1 HW							
	30																
	31																
	32																
	33		2 - HAND RAILS - 516C														
	34	k p	2	L	2½	2½	5/16	14	1¼								
	35	k t	2	L	2½	2½	5/16	14	1¼								
	36																
	37																
	38	k c^R	4	L													
	39	k f^R	2	L													
	40	k h	2	L													
	41	FW	2	WD			1/4	2	2								
	42	BW	2	WD			1/8	0	4½								
	43																
	44																
	45																
	46		2 - HAND RAILS - 516D														
	47	k ba	2	L	2½	2½	5/16	12	0⅜								
	48	k bb	2	L	2½	2½	5/16	12	0⅜								
	49	k c^R	4	L													
	50	k f^R	2	L													
	51	k h	2	L													
	52	FW	2	WD			1/4	2	2								
	53	BW	2	WD			1/8	0	4½								
	54																
	55																
	56																
	57																
	58																
	59																
	60																
	61																
	62																
	63																
	64																
	65																
	66																
	67																
	68																
	69																

DES SH's 36, 38 & 39

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW SEP 10 1970

CATWALK HAND RAIL BTWN. STAIRS

MATERIAL: A.S.T.M. - A588
RIVETS OR BOLTS: ¾"φ
OPEN HOLES: 13/16"φ
A325 FIELD BOLTS: NONE
SHOP CONTACT SURFACES: NO PAINT

PAINT: ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	8-29	CAD
1	12/9	JAO

REVISION

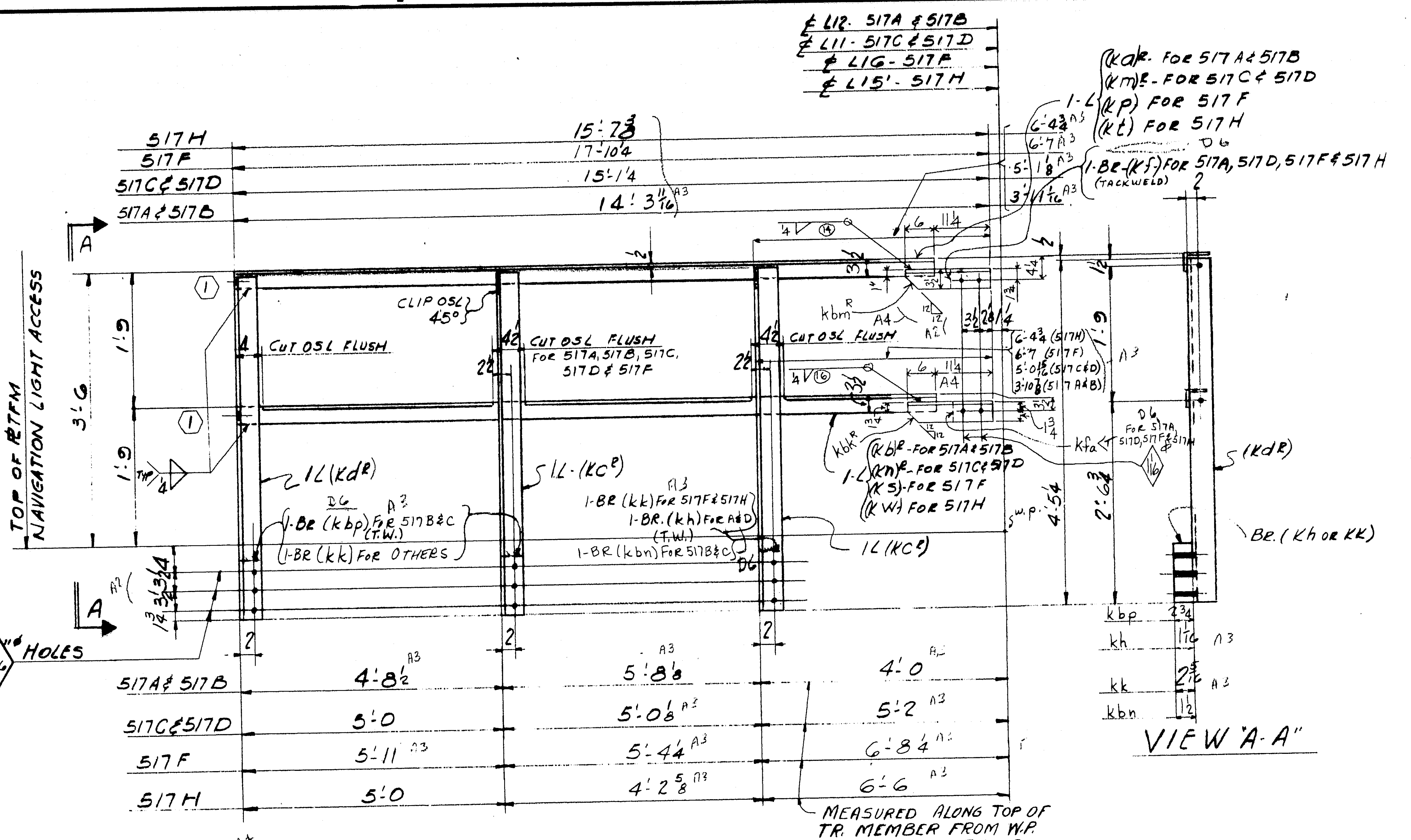
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 JAO DATE 11-14-69 IN CHARGE L. G.
CHECKED BY HKT DATE 11-24-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 516

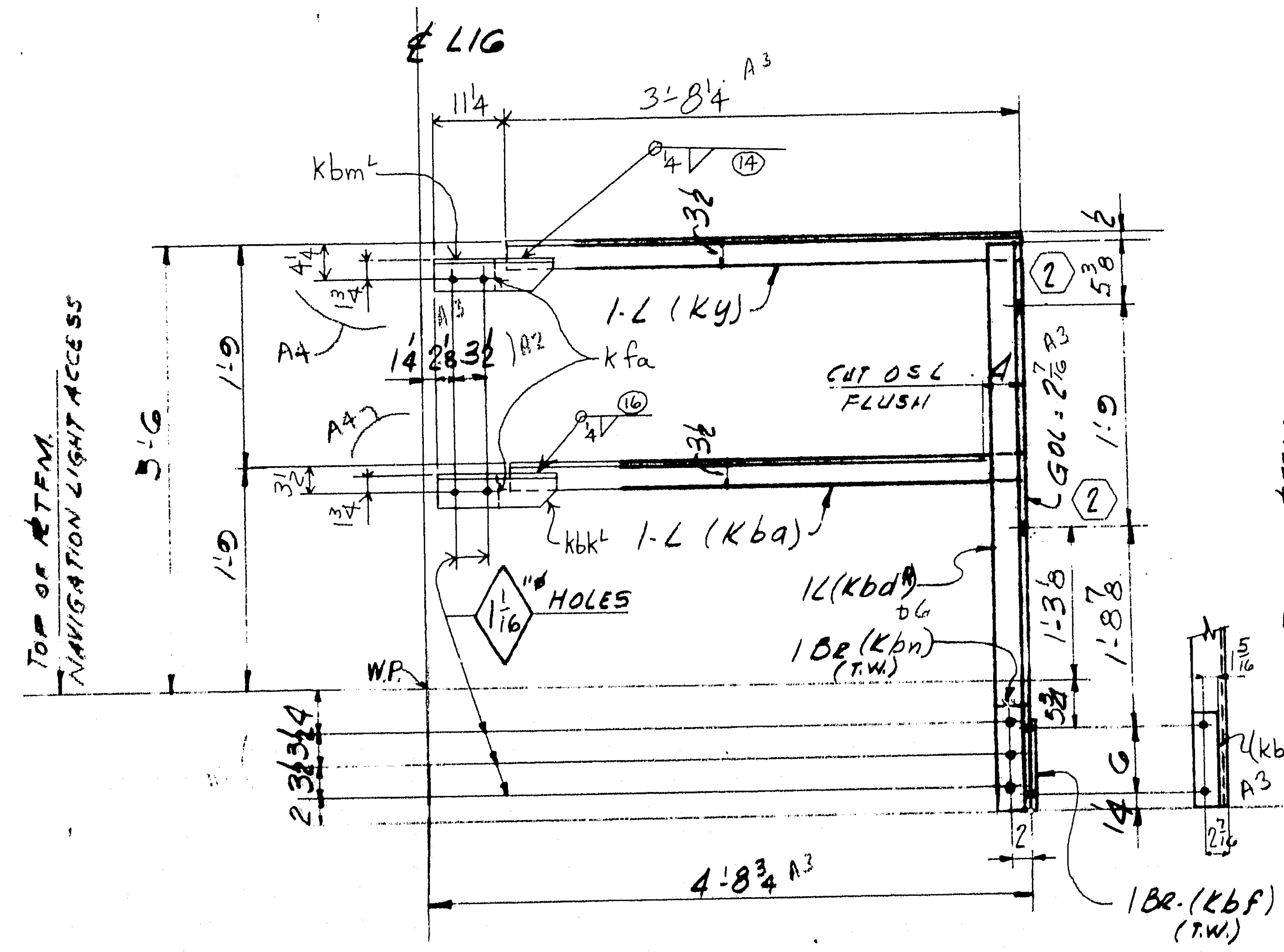
35042 (Rev.E 8-69)

121-167

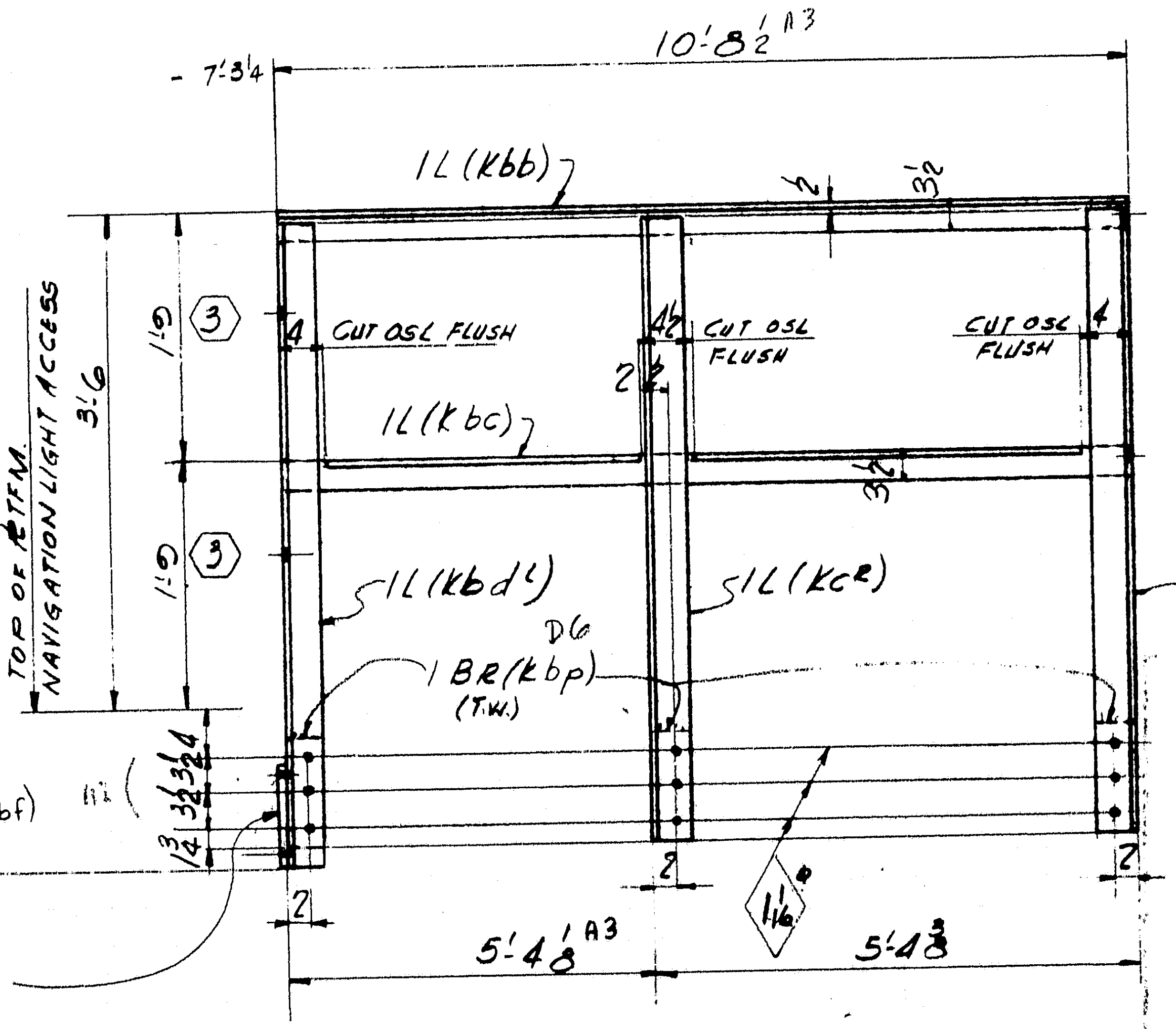


ONE - HANDRAIL - 517A
ONE - do - 517C
ONE - do - 517F

ONE - HANDRAIL - 517B (OPP. HAND)
ONE - do - 517D (OPP. HAND)
ONE - do - 517H



ONE - HANDRAIL - 517K



ONE - HANDRAIL - 517M

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

DES. SHT 37 & 36

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

E22, E23

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1		2-HANDRAILS: 1-517A & 1-517B														
	2	k bn	1	BR	3½		½	0	10½								
	3	k bmR	2	L	3½	2½	5/16	1	5¼	A4							
	4	k fa	1	BR	3½		5/16	0	7½	FOR 517A							
	5	k aR	~~1~~ 1	L	3½	2½	5/16	13	4 7/16	A3 A4							
	6	k bR	~~1~~ 1	L	3½	2½	5/16	13	4¼	A3							
	7	k cR	~~2~~ 1	L	3½	3½	⅜	4	6¼	A2							
	8	k dR	~~1~~ 1	L	3½	3½	⅜	4	6¼								
	9	k f	1	BR	2½	A4	1 1/16	0	7½	FOR 517A							
	10	k h	A3 1	BR	3½		1 1/16 A3	0	10½	FOR A3 517A							
	11	k k	2	BR	3½		2 5/16	0	10½	FOR 517A							
	12	k bkR	2	L	3½	2½	5/16	0	6½	A3							
A4	12A	k bp	2	BR	3½		2¾	0	10½	FOR 7B							
	13	F.W.	2	WD			¼	6	6								
	14		2-HANDRAILS: 1-517C & 1-517D														
A4	15	k fa	1	BR	3½		5/16	0	7½	FOR 517D							
	16	k bmR	2	L	3½	2½	5/16	1	5¼								
	17	k bkR	2	L	3½	2½	5/16	1	5¼								
	18	k mR	~~1~~ 1	L	3½	2½	5/16	14	2	A3 A4							
	19	k nR	~~1~~ 1	L	3½	2½	5/16	14	1 13/16	A3							
	20	k cR	~~3~~ 2	L													
	21	k f k h k k	1 1 2	BR BR BR						FOR 517D do do							
	22	k bp	2	BR	3½		2¾	0	10½	FOR 517C							
	23	k bn	1	BR	3½		1½	0	10½	FOR 517C							
	24	k dR	~~1~~ 1	L													
	25	F.W	2	WD			¼	6	6	A4							
	26		1-HANDRAIL - 517F														
A4	27	k bmR	1	L													
	28	k bkR A3	1	L													
	29	k p	1	L	3½	2½	5/16	16	11	A4							
	30	k s	1	L	3½	2½	5/16	16	11								
	31	k cR	2	L													
	32	k dR	1	L													
	33	k f	1	BR													
	34	k k	3	BR													
	35	F.W.	1	WD.			A3 ¼	6	6	A4							
	36	k fa	1	BR													
	37		ONE-HANDRAIL-517H														
	38	k t	1	L	3½	2½	5/16	14	8⅛	A4							
	39	k w	1	L	3½	2½	5/16	14	⅛								
	40	k cR	2	L													
	41	k f k fa	1	BR BR						A4							
	42	k k	3	BR													
	43	k dR	1	L						A4							
	44	k bkR k bn	1	L													
	45	FW	1	WD			¼	4	6	A3							
	46		ONE-HANDRAIL-517K														
	47	k bdR	1	L	3½	3½	⅜	4	6½								
	48	k bn	1	BR													
	49	k y	1	L	3½	2½	5/16	3	8¼	A3 A4							
	50	k ba	1	L	3½	2½	5/16	3	8¼								
A4	51	k fa k bf		BR BR					5½	D5							
	52	k bkL k bmL		L L													
	53	FW	1	WD			¼	3	10	A3 A4							
	54		ONE-HANDRAIL-517M														
	55	k bf	1	BR													
	56	k bb	1	L	3½	2½	5/16	10	8½	A3							
	57	k bc	1	L	3½	2½	5/16	10	8½								
	58	k cR	1	L													
	59	k dL	1	L													
	60	k bp	3	BR													
	61	k bdL	1	L													
	62	F.W	1	WD			A3 ¼	3	6								
	63	F.W.	1	WD			⅛	0	10								

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW SEP 10 1970

Open Holes are for High Strength Structural Bolts Unless Noted A
NO PAINT within 3" of Holes for High Strength Structural Bolts

M13	H13	NO.	DESCRIPTION	MARK	REMARKS
1			ONE HANDRAIL	517M	
1			ONE HANDRAIL	517K	SUBLET FABR. SHIP DIRECT
1			ONE HANDRAIL	517H	
1			ONE HANDRAIL	517F	
	1		ONE HANDRAIL	517D	
	1		ONE HANDRAIL	517C	
	1		ONE HAND RAIL	517B	
	1		ONE HAND RAIL	517A	

INST. REQUIRED LIST

MATERIAL ASTM. A588
RIVETS OR BOLTS NONE
OPEN HOLES 13/16" Ø U.N.
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES No PAINT
PAINT ONE SHOP COAT GEN

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

NO.	DATE	INIT.
0		
9		
8		
7		
D6	8/26	JRO
D5	5/12	WB
A4	5/11	WB
A3	4/3	JRO
A2	2/25/70	H
D1	2/3/70	H

REVISION

HANDRAILS

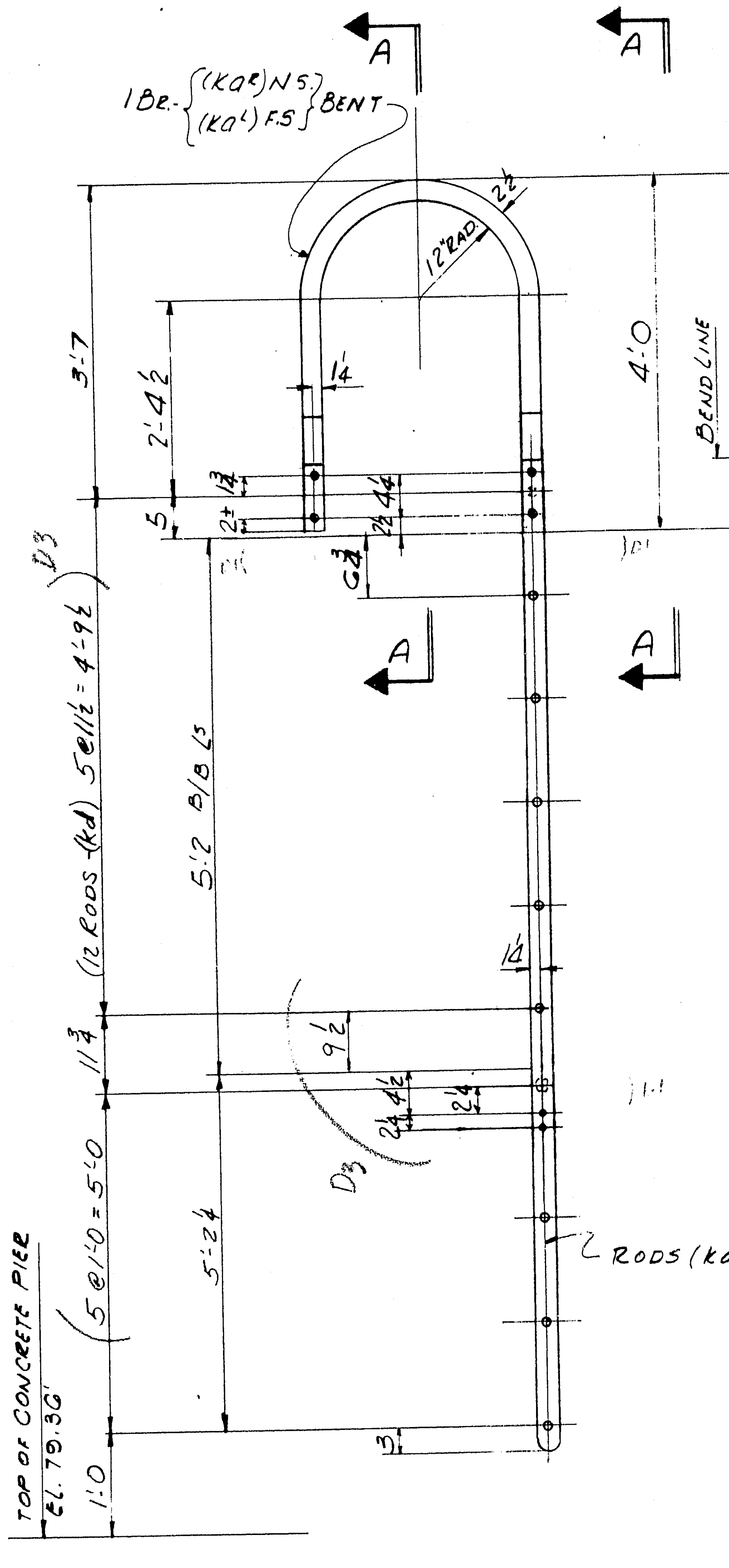
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

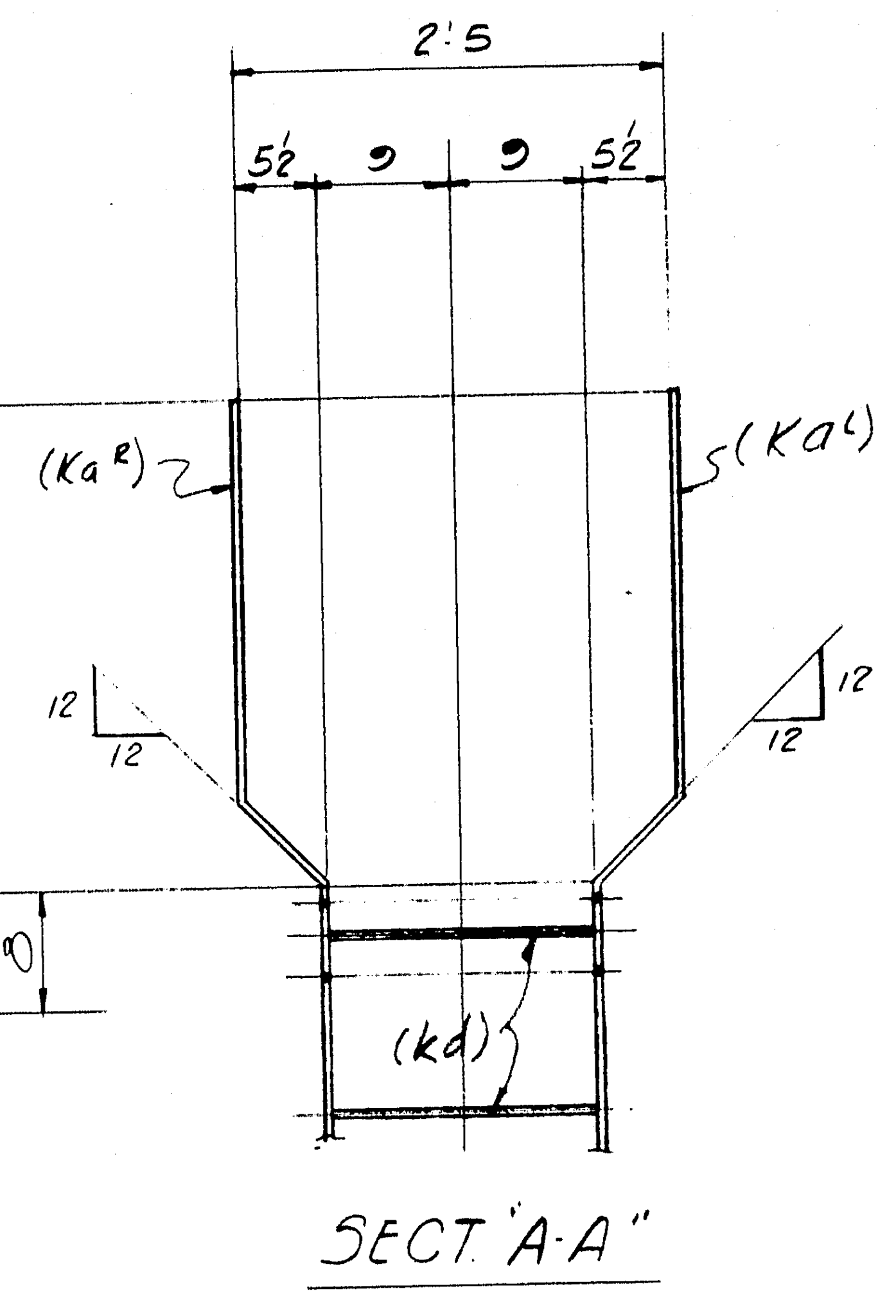
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RSO DATE 11-22-69 IN CHARGE L.G.
CHECKED BY HKT DATE 12-8-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 517

35453 (Rev.D 6-69)

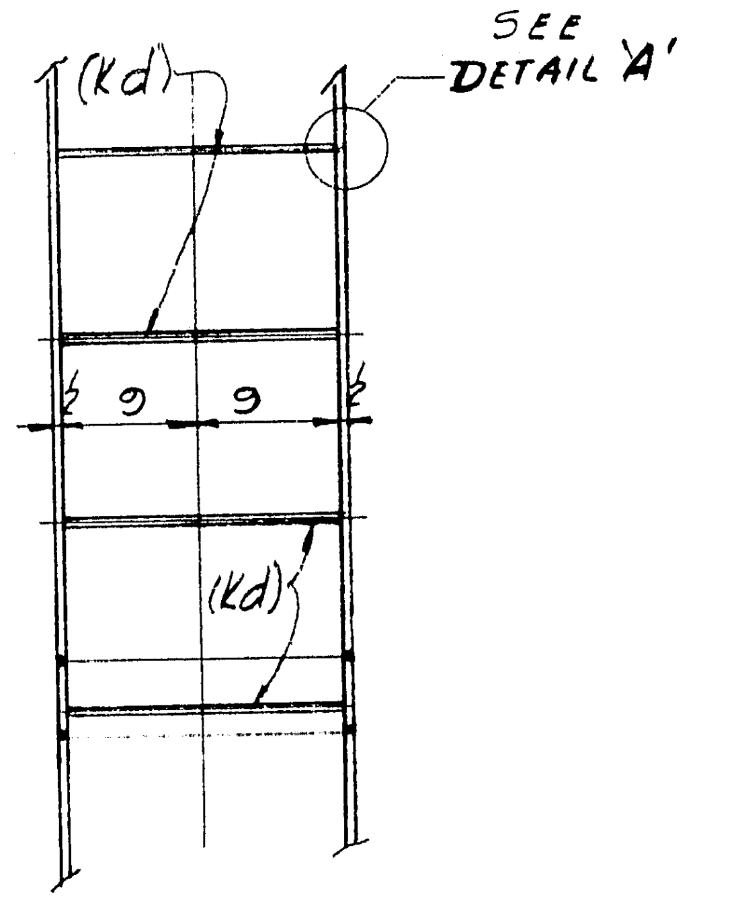
121-168

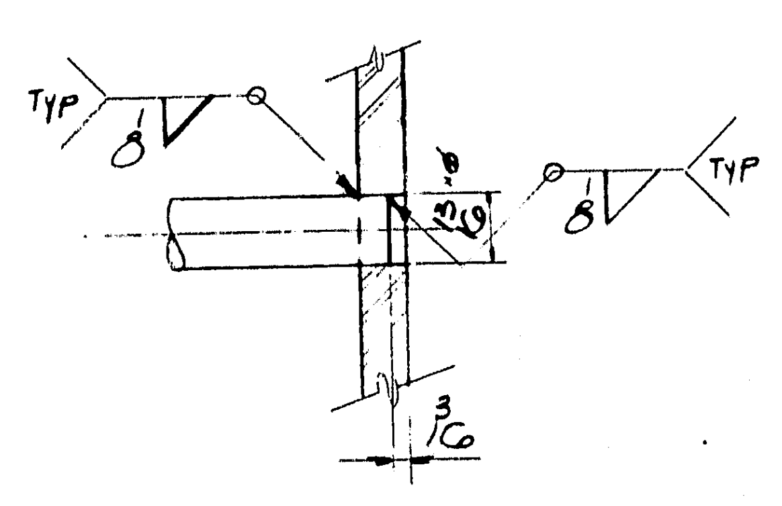


4-LADDERS-518A

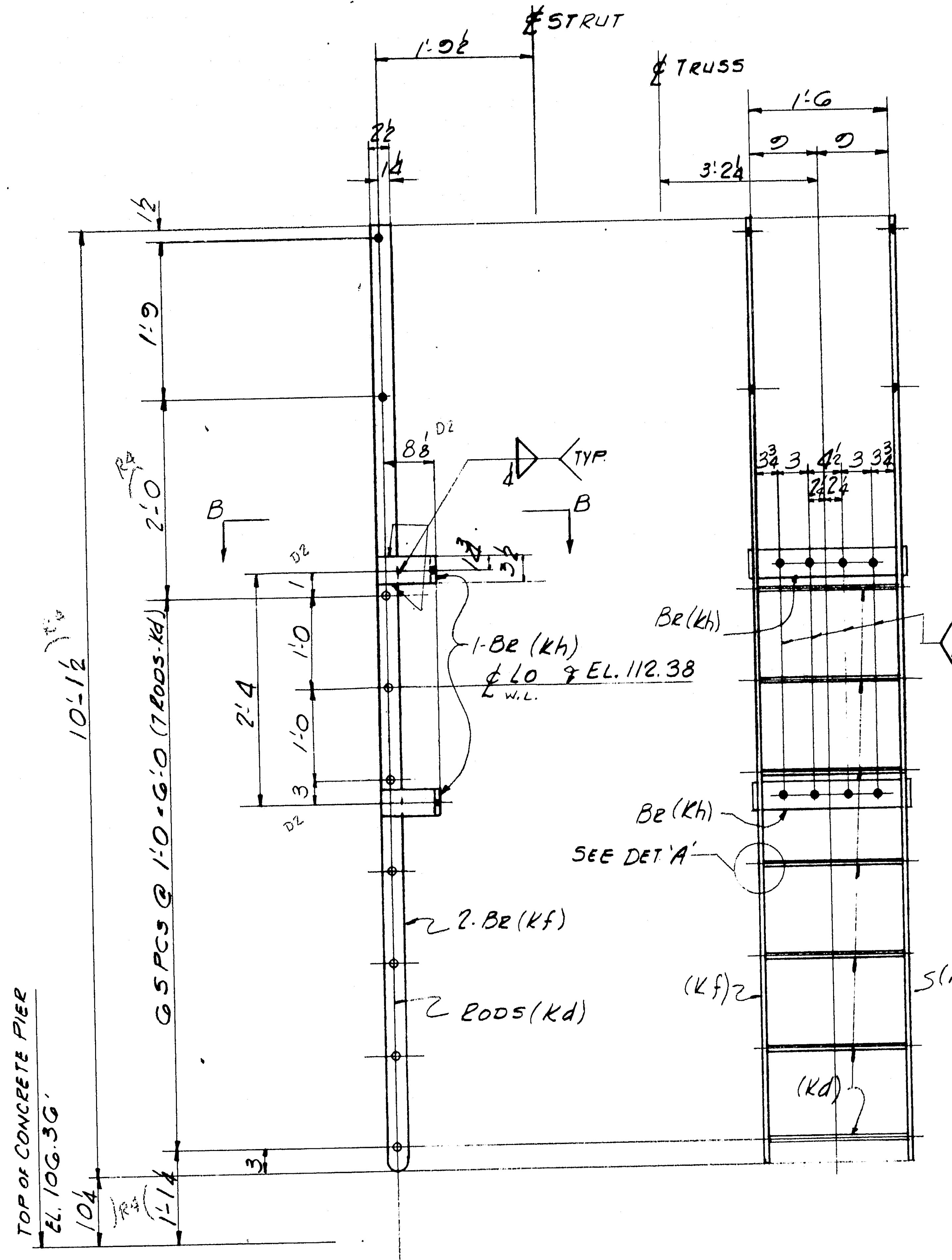


SECT. "A-A"



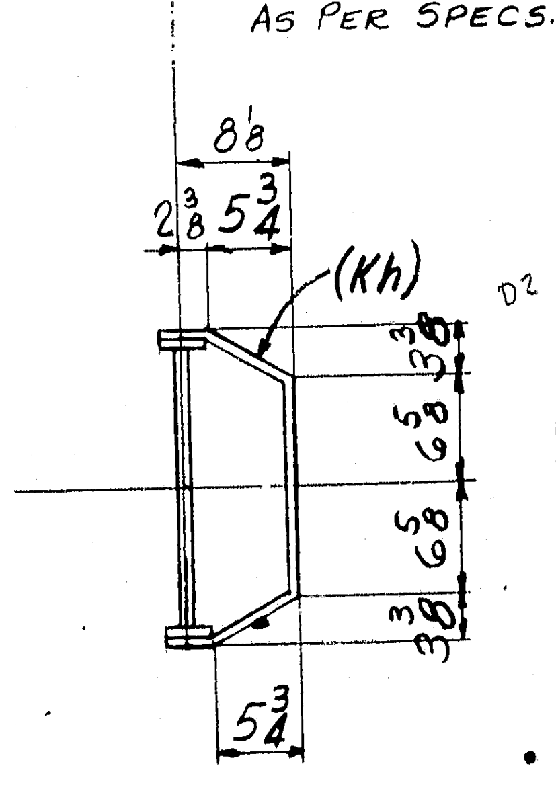


DETAIL 'A'
(ENLARGED)



4-LADDERS-518B

PAINT: ONE SHOP COAT ZINC RICH EPOXY PAINT AS PER SPECS.



SECT. B-B

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN	REMARKS
	1		4	LADDERS-	518A					
	2									
	3	K a² ₁	4/4	Be	2½		½	20	0¼	BENT
	4									D1
	5									
	6	K d	48	Rod	¾"φ			1	6⅝	
	7	FW	4	WD			⅜	10	0	
	8									
	9									
	10									
	11									
	12		4-	LADDERS-	518B					
	13									
	14	K f	8	Be	2½		½	10	1½	R4
	15	K d	28	Rod						
	16	K h	8	Be	3½		½	2	9¼	D2
	17	FW	4	WD			¼	2	0	
	18	FW	4	WD			⅜	5	10	

MILL ORDER: WIDTH | THICK | LENGTH FT | LENGTH IN | STOCK | ITEM PAGE | ITEM LINE

	a	b	c
a	/		
b	/		
c	/		
d	/		
e	●		
h	/		
k			
l			
m			
n			
p			
s			
t			
w			
y			

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW SEP 10 1970

Open Holes are for High Strength Structural Bolts Unless Noted A
NO PAINT within 3" of Holes for High Strength Structural Bolts

LADDERS AT U0-L0 & X7

M1	H1	M7	H7	NO.	DESCRIPTION	MARK	REMARKS
2	2			4	LADDERS	518B	SUBLET FABR. SHIP DIRECT
		2	2	4	LADDERS	518A	

INST. | REQUIRED LIST

MATERIAL ASTM A588
RIVETS OR BOLTS NONE
OPEN HOLES 13/16"φ U.N.
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES No PAINT
PAINT ONE SHOP COAT U.N.

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
R4	4/25	JAO
D3	8/10	LG
2	2/11	JAO
1	1/16	HT

REVISION

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

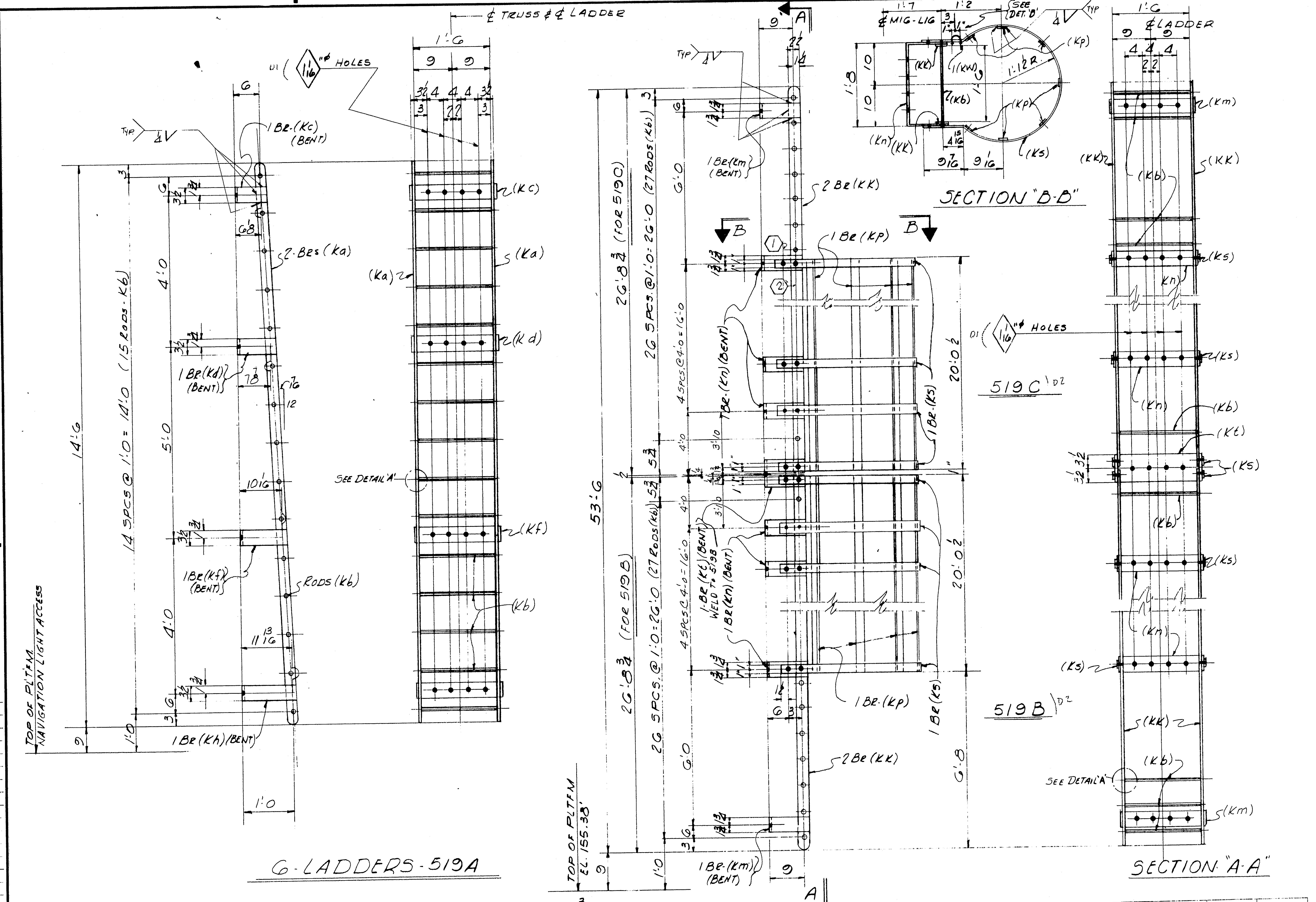
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

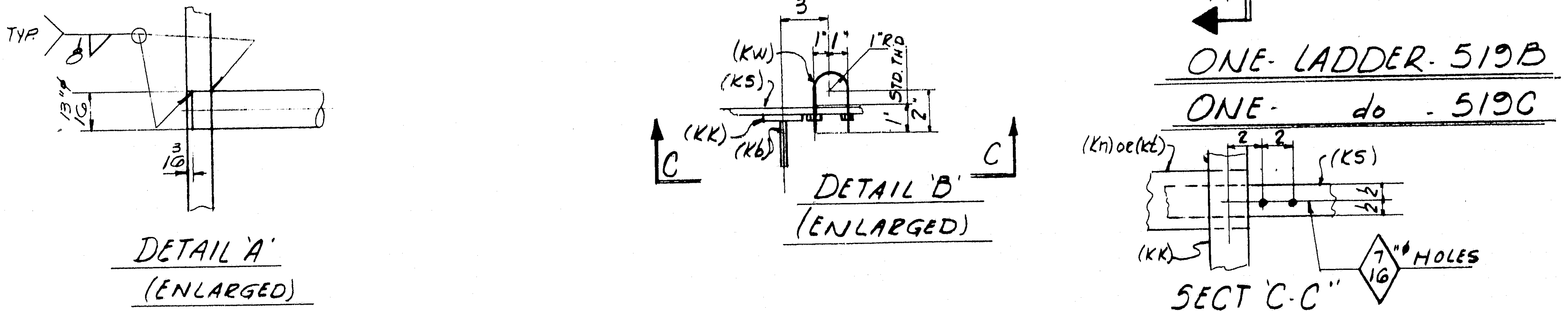
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RSO DATE 11-24-69 IN CHARGE L.G
CHECKED BY HKT DATE 12-6-69 SHOP NO.
CONTRACT C96290-090 DRAWING NO. 518

121-169

35453 (Rev.D 8-69)

DES. SHT. 35, & 38
For location of details shown on this sheet refer to diagrams.
E21, E24, E25





	a	b	c
a	/		
b	/		
c	/		
d	/		
f	/		
[illegible]			
h	/		
k	|		
m	|		
n	/		
p	/		
s	/		
t			
w			
y			

DES. SHT 37.

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

E22, E23, E24.

SHOP BILL / MILL ORDER

LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	THICK	LENGTH FT	LENGTH IN	REMARKS	WIDTH	THICK	LENGTH FT	LENGTH IN	STOCK	ITEM RATE	LINE
1																
2																
3	G LADDERS 519A															
4																
5	Ka	12	Bℓ	2½		½	14	6⅛								
6	Kb	90	Rd	¾"ø			1	6⅝								
7	Kc	6	Bℓ	3½		½	2	9½	BENT							
8	Kd	6	Bℓ	3½		½	3	1⅜	BENT							
9	Kf	6	Bℓ	3½		½	3	5¾	BENT							
10	Kh	6	Bℓ	3½		½	3	9¼	BENT							
11	FW	6	WD			¼	5	8								
12	FW	6	WD			⅛	12	6								
13																
14																
15																
16																
17																
18	ONE LADDER 519B															
19																
20	KK	2	Bℓ	2½		½	26	8¾								
21	Kb	27	Rd													
22	Km	1	Bℓ	3½		½	3	3½	BENT							
23	Kn	5	Bℓ	3½		½	3	3½	BENT							
24	Kp	7	Bℓ	2		⅜	20	0½								
25	Ks	6	Bℓ	2		⅜	6	11"	BENT							
26	Kt	1	Bℓ	7		½	3	3½	BENT							
27	Kw	6	Rd	⅜"ø			0	8	BENT (W/2 Hex.N.) GALV.							
28	F.W.	1	WD			¼	14	7								
29	F.W.	1	WD			⅛	22	6								
30																
31																
32	ONE-LADDER-519C															
33																
34	KK	2	Bℓ													
35	Kb	27	Rd													
36	Km	1	Bℓ													
37	Kn	5	Bℓ													
38	Kp	7	Bℓ													
39	Ks	6	Bℓ													
40	Kw	6	Rd													
41	F.W.	1	WD			¼	14	7								
42	F.W.	1	WD			⅛	22	6								
43																
44																
45																
46																
47																
48																
49																
50																
51																
52																
53																
54																
55																
56																
57																
58																
59																
60																
61																
62																

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW SEP 10 1970

Open Holes are for High Strength Structural Bolts Unless Noted A NO [illegible] within 3" of Holes for High Strength Structural Bolts

LADDERS AT L10', L11, L12, L15', L16

	M10	M19	H13	NO.	DESCRIPTION	MARK	REMARKS
							SUBLET
		1			ONE LADDER	519C	FABR.
		1			ONE LADDER	519B	SHIP
	2	2	2	6	LADDERS	519A	DIRECT
INST.					REQUIRED LIST		

MATERIAL ASTM-A588 U.N.
RIVETS OR BOLTS NONE
OPEN HOLES 13/16"ø U.N.
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES NO PAINT
PAINT ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	8/25	JRO
D1	1/16	H

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

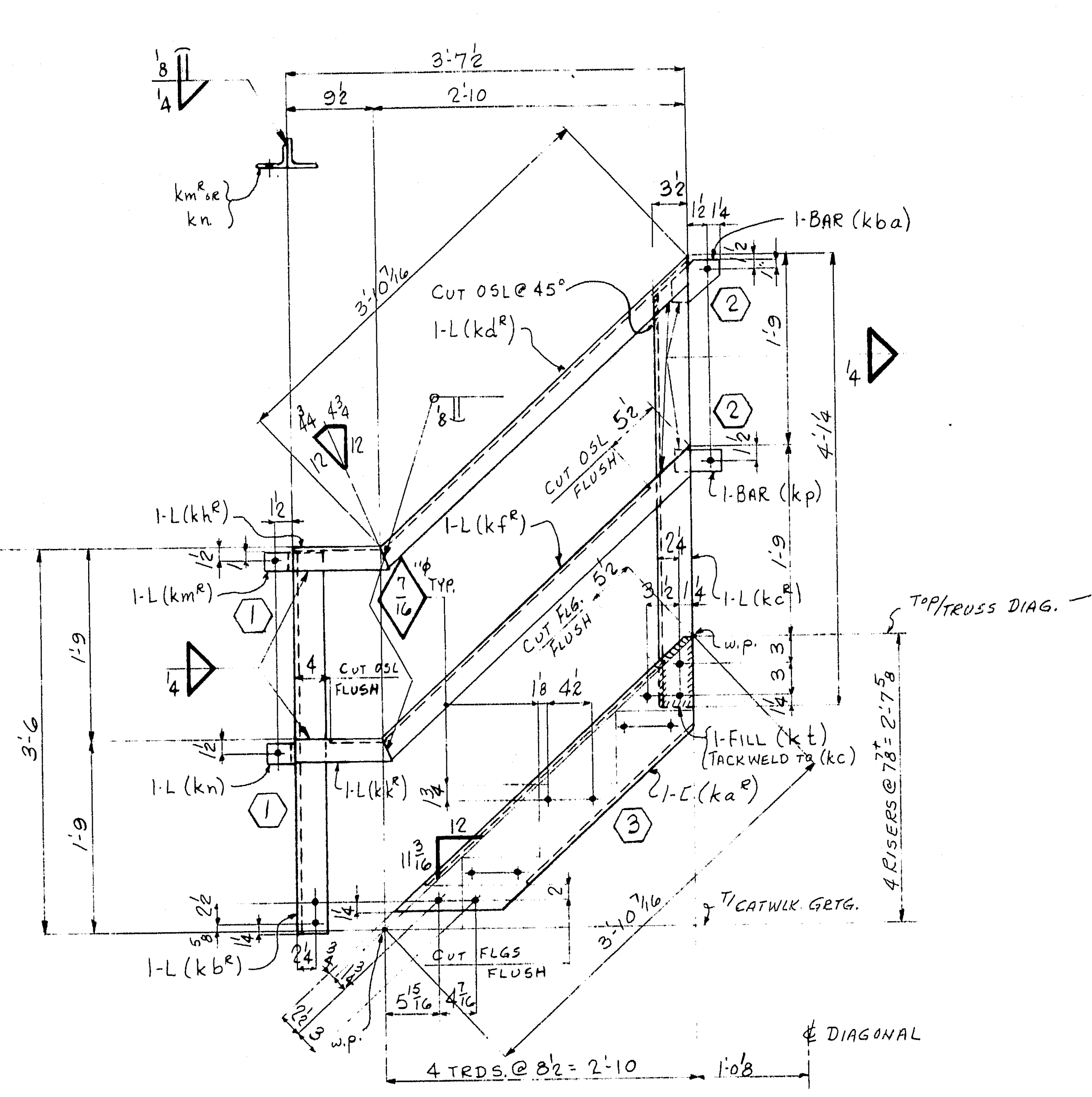
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RSO DATE 11-30-69 IN CHARGE LG
CHECKED BY HKT DATE 12-8-69 SHOP NO.
CONTRACT C56290-090 DRAWING NO. 519

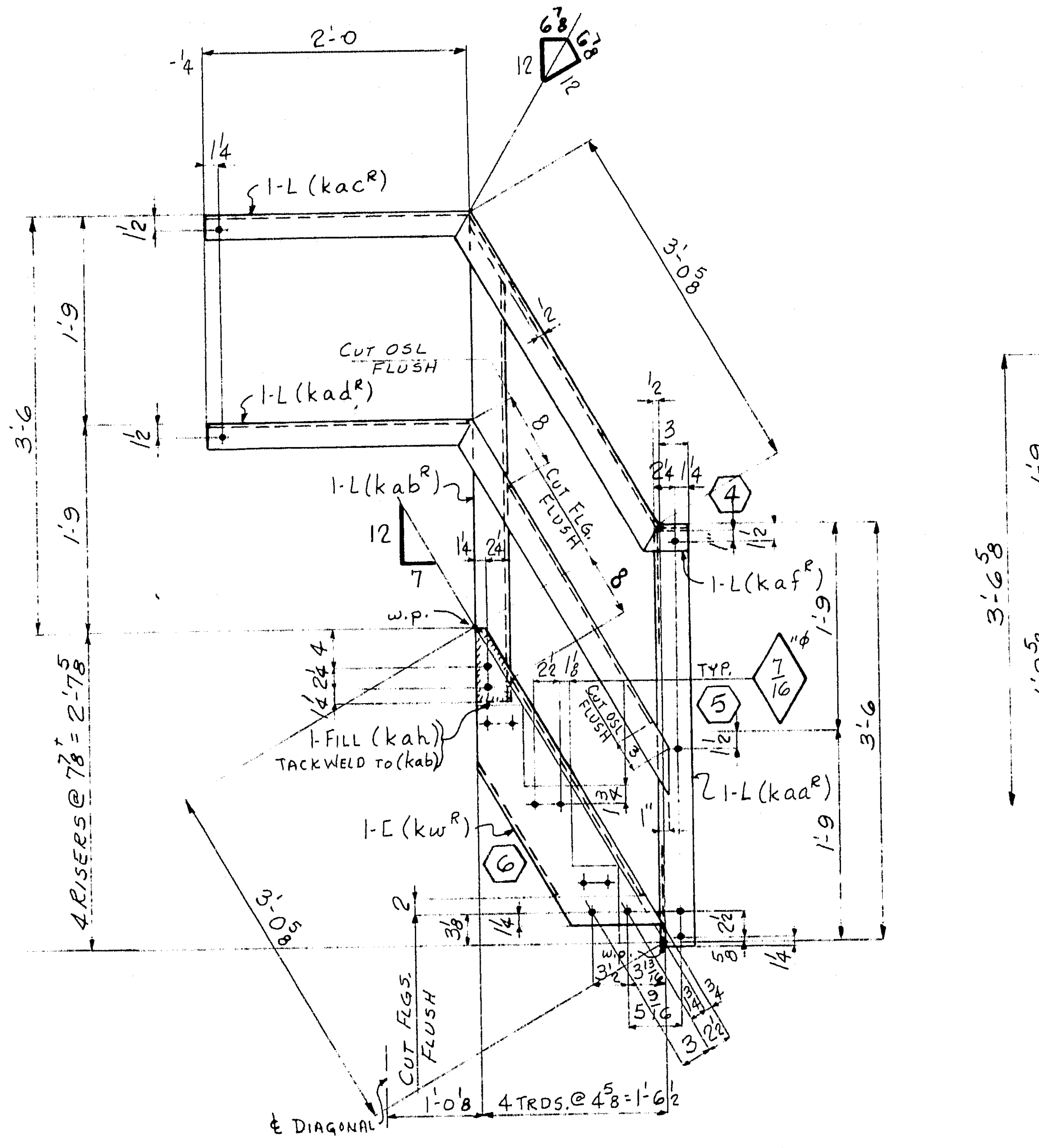
35453 (Rev.D 8-69)

121-170

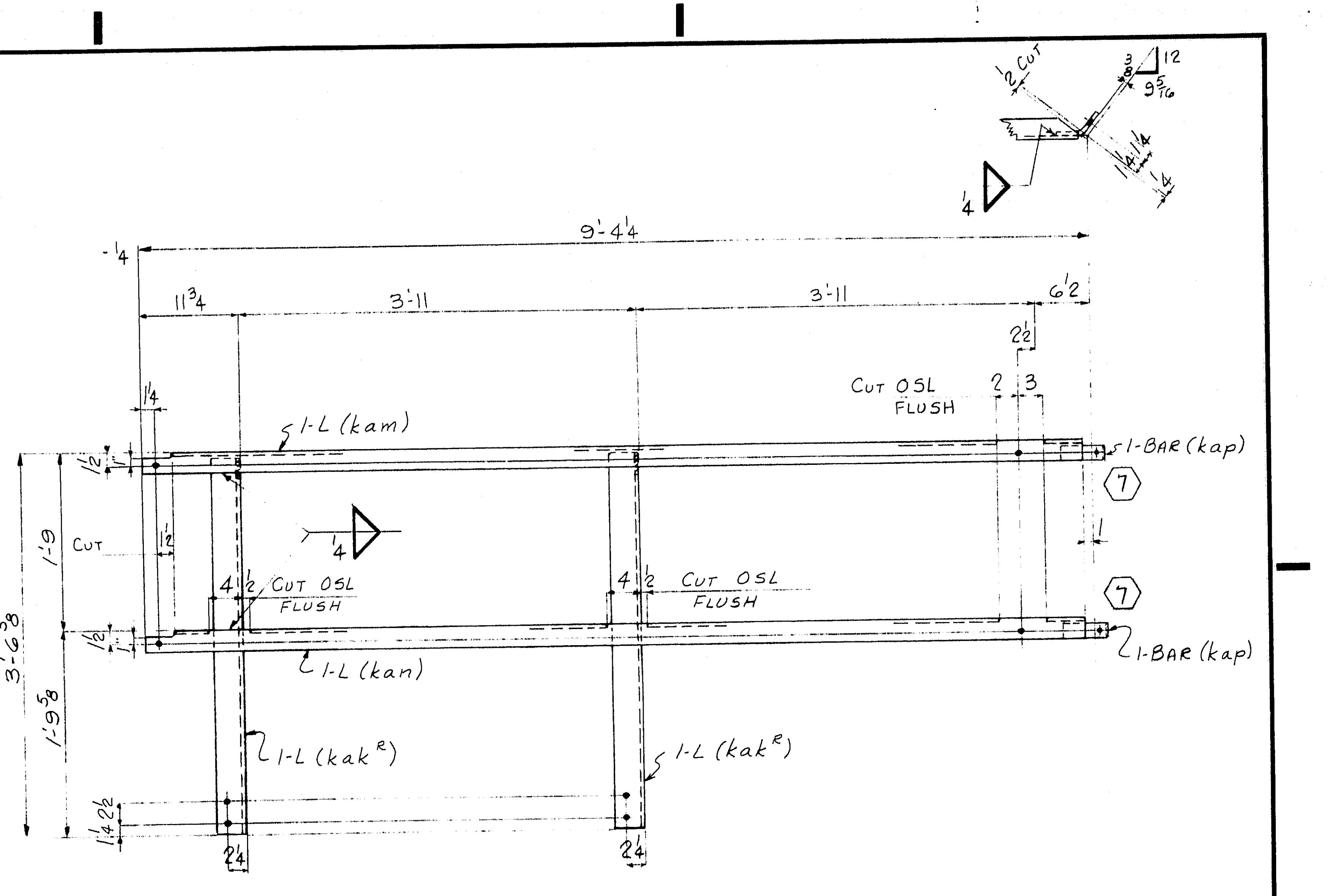
0 1 2 3 4 5 6



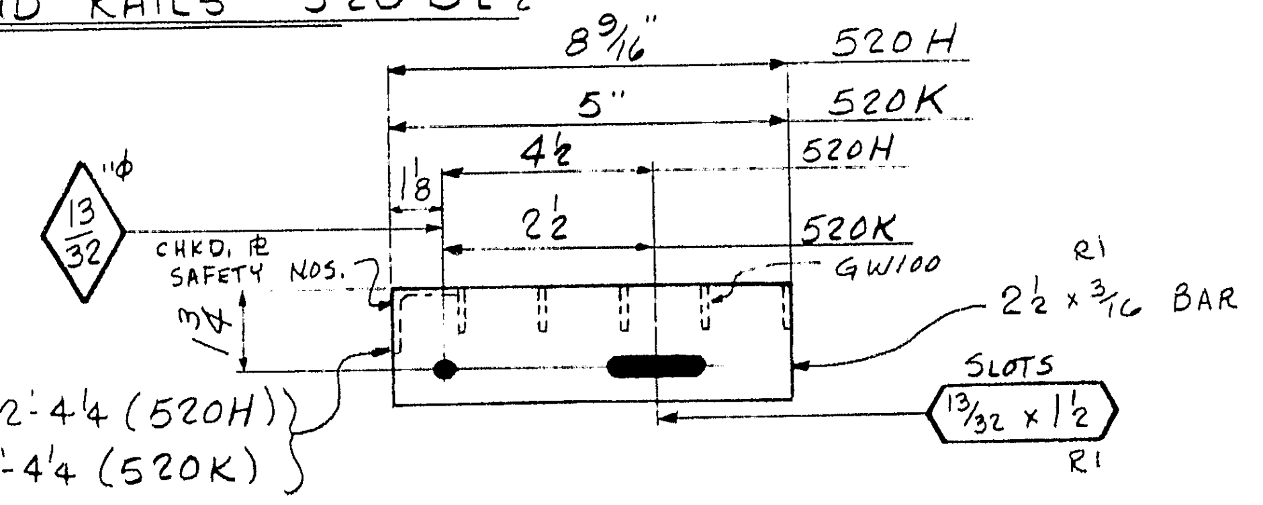
4 - STAIR STRINGERS - 520A R-2 / L-2
4 - HAND RAILS - 520B R-2 / L-2



4 - STAIR STRINGERS - 520C R-2 / L-2
4 - HAND RAILS - 520D R-2 / L-2 (WELD SAME AS 520B R)



ONE - HAND RAIL - 520F



1-GRTG. TRD. 8 9/16 × 2'-4¼ (520H)
1-GRTG. TRD. 5 × 2'-4¼ (520K)

6 - STAIR TREADS - 520H
6 - do - 520K

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

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

E23

DES. SHT. 36

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		2	- STAIR STRINGER - 520A R													
	2		2	-		do			- 520A L								
	3	k a^R_L	2/2	C	8	11.5		3	8½								
	4																
	5																
	6																
	7		2	- HAND RAIL - 520B R													
	8		2	- HAND RAIL - 520B L													
	9	k ba	4	BR	4½		5/16	0	5								
	10	k b^R_L	2/2	L	3½	3½	3/8	3	6⅛								
	11	k c^R_L	2/2	L	3½	3½	3/8	4	0¾								
	12	k d^R_L	2/2	L	2½	2½	5/16	3	11 7/16								
	13	k f^R_L	2/2	L	2½	2½	5/16	3	11 7/16								
	14	k h^R_L	2/2	L	2½	2½	5/16	0	10½								
	15	k k^R_L	2/2	L	2½	2½	5/16	0	10½								
	16	k m^R_L	2/2	L	2½	2½	5/16	0	2								
	17	k n	4	L	2½	2½	5/16	0	2								
	18	k p	4	BR	2		5/16	0	4½								
	19	k t	4	BR	3½		5/8	0	7¼								
	20	FW	4	WD			1/4	2	8								
	21	BW	4	WD			1/8	2	0								
	22		2	- STAIR STRINGER - 520C R													
	23		2	-			do		- 520C L								
	24	k w^R_L	2/2	C	8	11.5		2	10⅞								
	25																
	26																
	27																
	28																
	29		2	- HAND RAIL - 520D R													
	30		2	-		do		- 520D L									
	31	k aa^R_L	2/2	L	3½	3½	3/8	3	6⅛								
	32	k ab^R_L	2/2	L	3½	3½	3/8	4	0½								
	33	k ac^R_L	2/2	L	2½	2½	5/16	5	2 1/16	CUT BEND & WELD							
	34	k ad^R_L	2/2	L	2½	2½	5/16	5	5 15/16	do							
	35	k af^R_L	2/2	L	2½	2½	5/16	0	4 7/16								
	36	k ah	4	BR	3½		5/8	0	7½								
	37	FW	4	WD			1/4	3	3								
	38	BW	4	WD			1/8	1	8								
	39																
	40																
	41																
	42																
	43																
	44																
	45																
	46		ONE	- HAND RAIL - 520F													
	47	k ak^R	2	L	3½	3½	3/8	3	6								
	48	k am	1	L	2½	2½	5/16	9	3¼								
	49	k an	1	L	2½	2½	5/16	9	3¼								
	50	k ap	2	BR	2		1/4	0	6	BENT							
	51	FW	1	WD			1/4	3	0								
	52																
	53																
	54																
	55		6	- STAIR TREADS - 520H													
	56		6	M	GRTG. TRDS.	8 9/16		2	4¼	ASTM-A36 GW100 GALV.							
	57																
	58																
	59																
	60		6	- STAIR TREADS - 520K													
	61		6	M	GRTG. TRDS.	5		2	4¼	ASTM-A36 GW100 GALV.							
	62																
	63																
	64																
	65																
	66																
	67																
	68																
	69																

			M19	NO.	DESCRIPTION	MARK	REMARKS
			6	6	STAIR TREADS	520H	
			6	6	do	520K	
			2	2	STAIR STRINGERS	520A R	
			2	2	do	520A L	SUBLET
			2	2	do	520C R	FABR.
			2	2	do	520C L	SHIP
			2	2	HAND RAIL	520B R	DIRECT
			2	2	do	520B L	
			2	2	do	520D R	
			2	2	do	520D L	
			1	1	do	520F	

INST. REQUIRED LIST

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3' of Holes

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

CATWALK STAIRS & HAND RAIL OVER DIAGONAL

MATERIAL : ASTM - A588 U.N.
RIVETS OR BOLTS : NONE
OPEN HOLES : 13/16"φ U.N.
A325 FIELD BOLTS : NONE
SHOP CONTACT SURFACES : NO PAINT
PAINT : ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
R1	3/31	JAO

REVISION

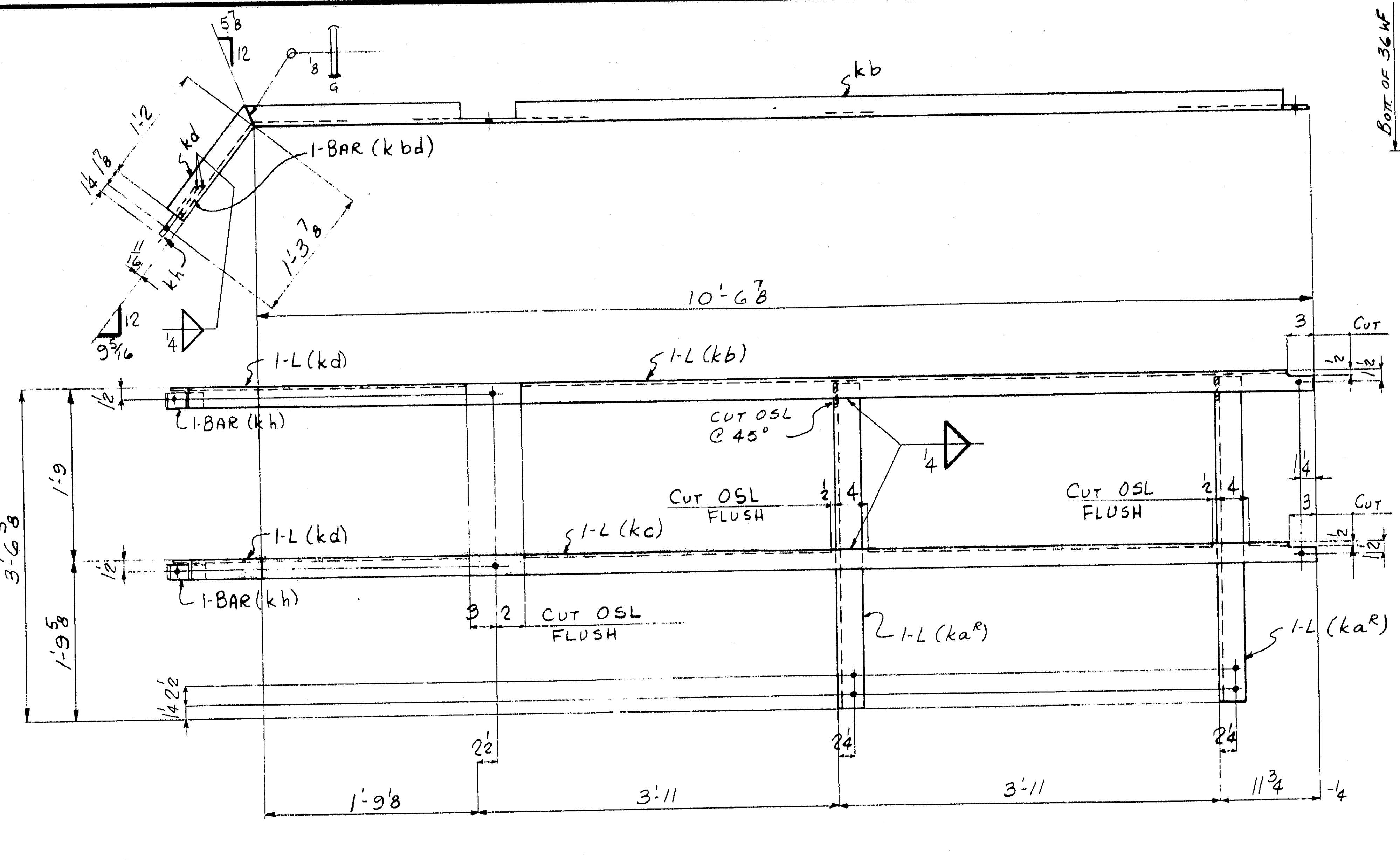
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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

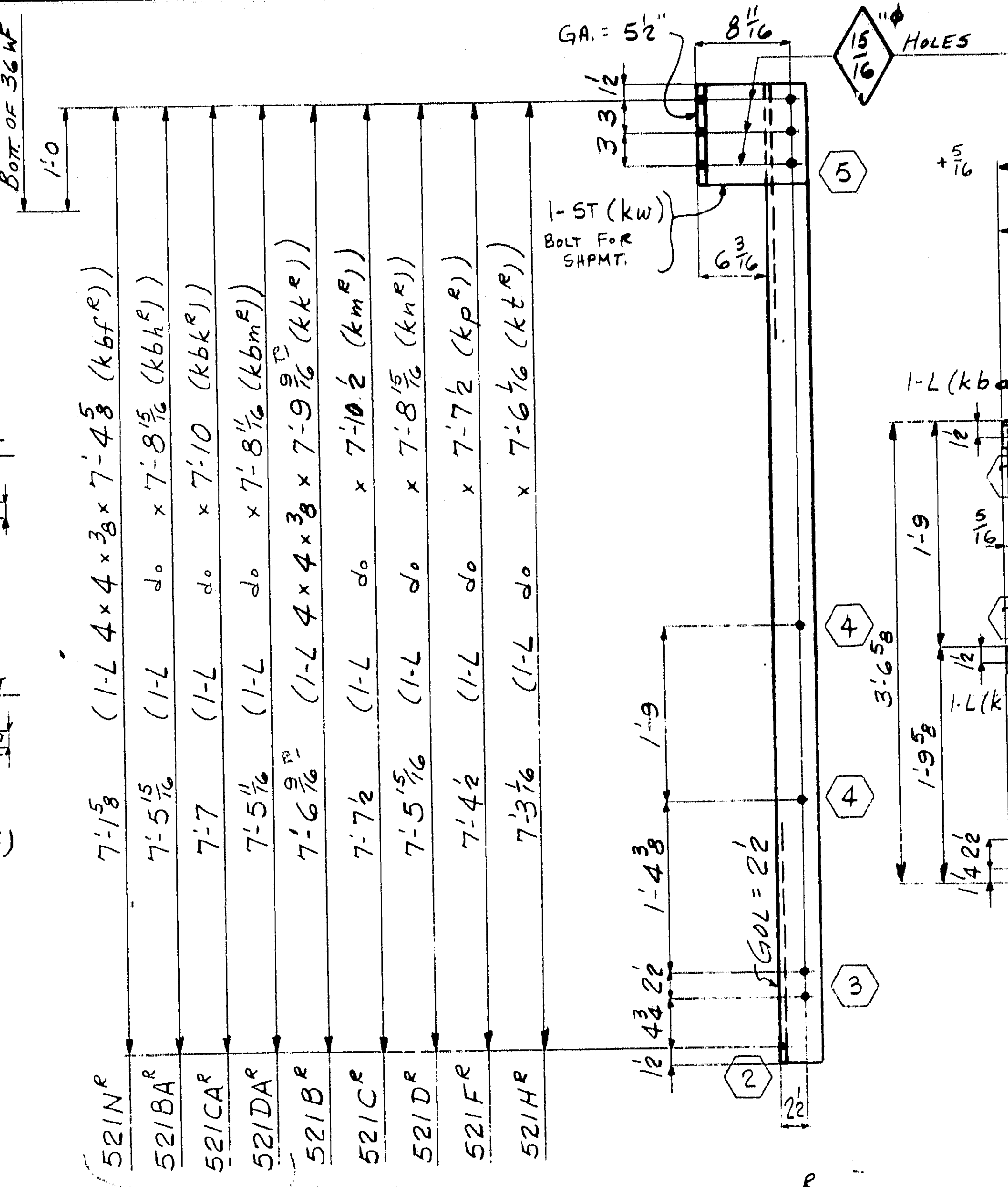
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JAO DATE 11/28/69 IN CHARGE L. G.
CHECKED BY HKT DATE 12-8-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 520

121-171

35042 (Rev.E 8-69)

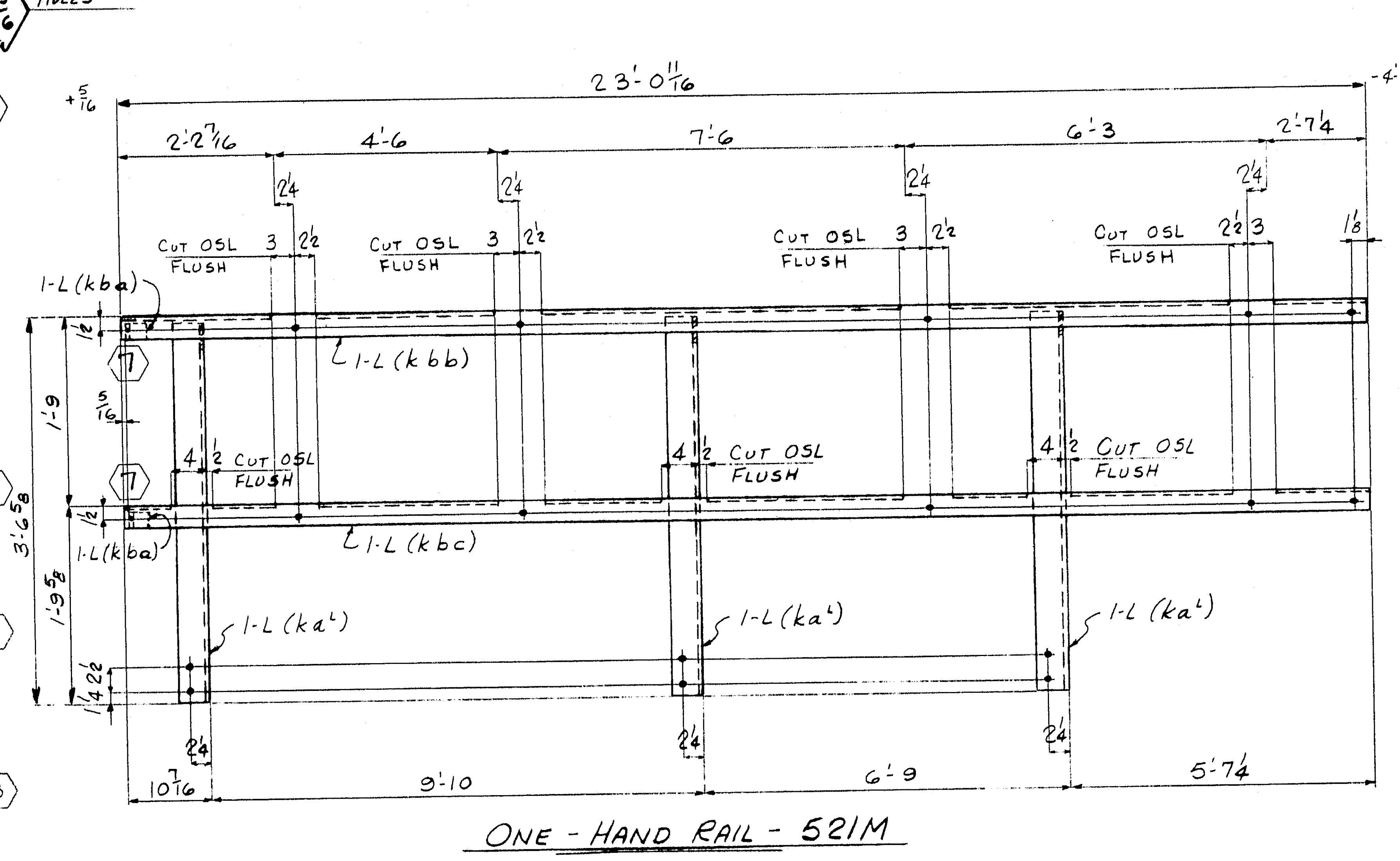


ONE - HAND RAIL - 521A

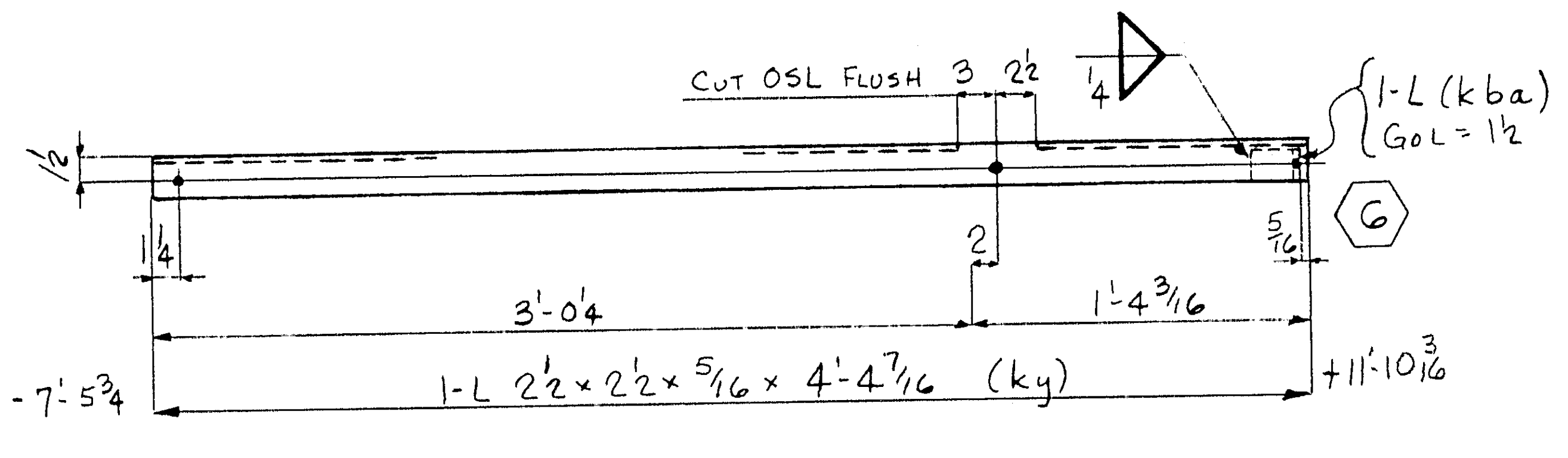


BOT. OF 36WF
GA = 5 1/2
8 11/16
15/16 φ HOLES
1-ST (kw) BOLT FOR SHPMT.
(1-L 4×4×3/8×7'-4 5/8 (kbf^R))
(1-L do ×7'-8 15/16 (kbh^R))
(1-L do ×7'-10 (kbk^R))
(1-L do ×7'-8 11/16 (kbm^R))
(1-L 4×4×3/8×7'-9 9/16 (kk^R))
(1-L do ×7'-10 1/2 (km^R))
(1-L do ×7'-8 15/16 (kn^R))
(1-L do ×7'-7 1/2 (kp^R))
(1-L do ×7'-6 1/16 (kt^R))
521N^R
521BA^R
521CA^R
521DA^R
521B^R
521C^R
521D^R
521F^R
521H^R
GOL = 2 1/2

2 - HANGERS - 521B $^{R}_{L}$
2 - do - 521C $^{R}_{L}$
2 - do - 521D $^{R}_{L}$
4 - do - 521F $^{R-2}_{L-2}$
4 - do - 521H $^{R-2}_{L-2}$
4 - do - 521N $^{R-2}_{L-2}$ R1
2 - do - 521BA $^{R}_{L}$
2 - do - 521CA $^{R}_{L}$
2 - do - 521DA $^{R}_{L}$



ONE - HAND RAIL - 521M



2-HAND RAILS - 521K

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

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

E23

DES. SHT. 36

Product Type	Line	Assembly Mark	No.	Shape	Section Size	Section Size or Pounds	Section Thick	Length Ft.	Length In.	Remarks	Mill Order Width	Mill Order Thick	Mill Order Length Ft.	Mill Order Length In.	Stock	Item Page	Item Line
	1	ONE - HAND RAIL - 521A															
	2	k a^{R}	2	L	3 1/2	3 1/2	3/8	3	6								
	3	k b	1	L	2 1/2	2 1/2	5/16	10	8 1/16								
	4	k c	1	L	2 1/2	2 1/2	5/16	10	8 1/16								
	5	k d	2	L	2 1/2	2 1/2	5/16	1	3 3/16								
	6	k bd	2	BR	2		3/8	0	3 1/4								
	7	k h	2	BR	2		3/8	0	6 1/2								
	8	FW	1	WD	k		1/4	3	0								
	9	BW	1	WD	k		1/8	1	8								
	10																
	11																
	12																
	13																
	14																
	15																
	16																
	17																
	18																
	19																
	20																
	21																
	22		2	-	HANGERS		-521B$^{R}_{L}$										
	23		2	-	do		-521BA$^{R}_{L}$			R1							
	24		2	-	do		-521C$^{R}_{L}$										
	25	R1	2	-	do		-521CA$^{R}_{L}$										
	26		2	-	do		-521D$^{R}_{L}$										
	27		2	-	do		-521DA$^{R}_{L}$										
	28		2	-	do		-521F^{R}										
	29		2	-	do		-521F^{L}										
	30		4	-	do		-521H$^{R-2}_{L-2}$			R1							
	31		4	-	do		-521N$^{R-2}_{L-2}$										
	32	k k$^{R}_{L}$	1/1	L	4	4	3/8	7	9 9/16	R1 FOR 521B$^{R}_{L}$							
	33	k m$^{R}_{L}$	1/1	L	4	4	3/8	7	10 1/2	521C$^{R}_{L}$							
	34	k n$^{R}_{L}$	1/1	L	4	4	3/8	7	8 15/16	521D$^{R}_{L}$							
	35	k p$^{R}_{L}$	2/2	L	4	4	3/8	7	7 1/2	521F$^{R}_{L}$							
	36	k t$^{R}_{L}$	2/2	L	4	4	3/8	7	6 1/16	521H$^{R}_{L}$							
	37	k bf$^{R}_{L}$	2/2	L	4	4	3/8	7	4 5/8	521N$^{R}_{L}$ R1							
	38	k bh$^{R}_{L}$	1/1	L	4	4	3/8	7	8 15/16	521BA$^{R}_{L}$							
	39	k bk$^{R}_{L}$	1/1	L	4	4	3/8	7	10	521CA$^{R}_{L}$							
	40	k bm$^{R}_{L}$	1/1	L	4	4	3/8	7	8 11/16	521DA$^{R}_{L}$							
	41	k w	24	BT	10	31		0	9								
	42	2 - HAND RAILS - 521K															
	43	k y	2	L	2 1/2	2 1/2	5/16	4	4 7/16								
	44	k ba	2	L	2 1/2	2 1/2	5/16	0	2								
	45	FW	2	WD	R1		1/4	0	4								
	46	ONE - HAND RAIL - 521M															
	47	k a^{L}	3	L													
	48	k bb	1	L	2 1/2	2 1/2	5/16	23	0 11/16								
	49	k bc	1	L	2 1/2	2 1/2	5/16	23	0 11/16								
	50	k ba	2	L													
	51	FW	1	WD	R1		1/4	4	2								
	52																
	53																
	54																
	55																
	56																
	57																
	58																
	59																
	60																
	61																
	62																
	63																
	64																
	65																
	66																
	67																
	68																
	69																

			M19	No.	Description	Mark	Remarks
			1	1	HANGERS	521BA^{R}	
			1	1		521BA^{L}	
			1	1		521CA^{R}	
			1	1		521CA^{L}	
	R1		1	1		521DA^{R}	
			1	1		521DA^{L}	
			2	2		521N^{R}	
			2	2		521N^{L}	
			1	1	HAND RAIL	521M	SUBLET FABR, SHIP DIRECT
			2	2	HAND RAILS	521K	
			2	2	HANGERS	521H^{L}	
			2	2		521H^{R}	
			2	2		521F^{L}	
			2	2		521F^{R}	
			1	1		521D^{L}	
			1	1		521D^{R}	
	R1		1	1		521C^{L}	
			1	1		521C^{R}	
			1	1		521B^{L}	
			1	1		521B^{R}	
			1	1	HAND RAIL	521A	

INST. REQUIRED LIST

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3" of Holes

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
APR 28 1970
BY FFW

CATWALK HAND RAIL & HANGERS @ L16 TO L15'

MATERIAL : ASTM - A588
RIVETS OR BOLTS : NONE
OPEN HOLES : 13/16"φ U.N.
A325 FIELD BOLTS : NONE
SHOP CONTACT SURFACES : NO PAINT
PAINT : ONE SHOP COAT

Revision No.	Date	Init.
0		
9		
8		
7		
6		
5		
4		
3		
2		
R1	3/31	JAO

Submittal	1	2	3	4	5	6	7	8	9	0
Date										

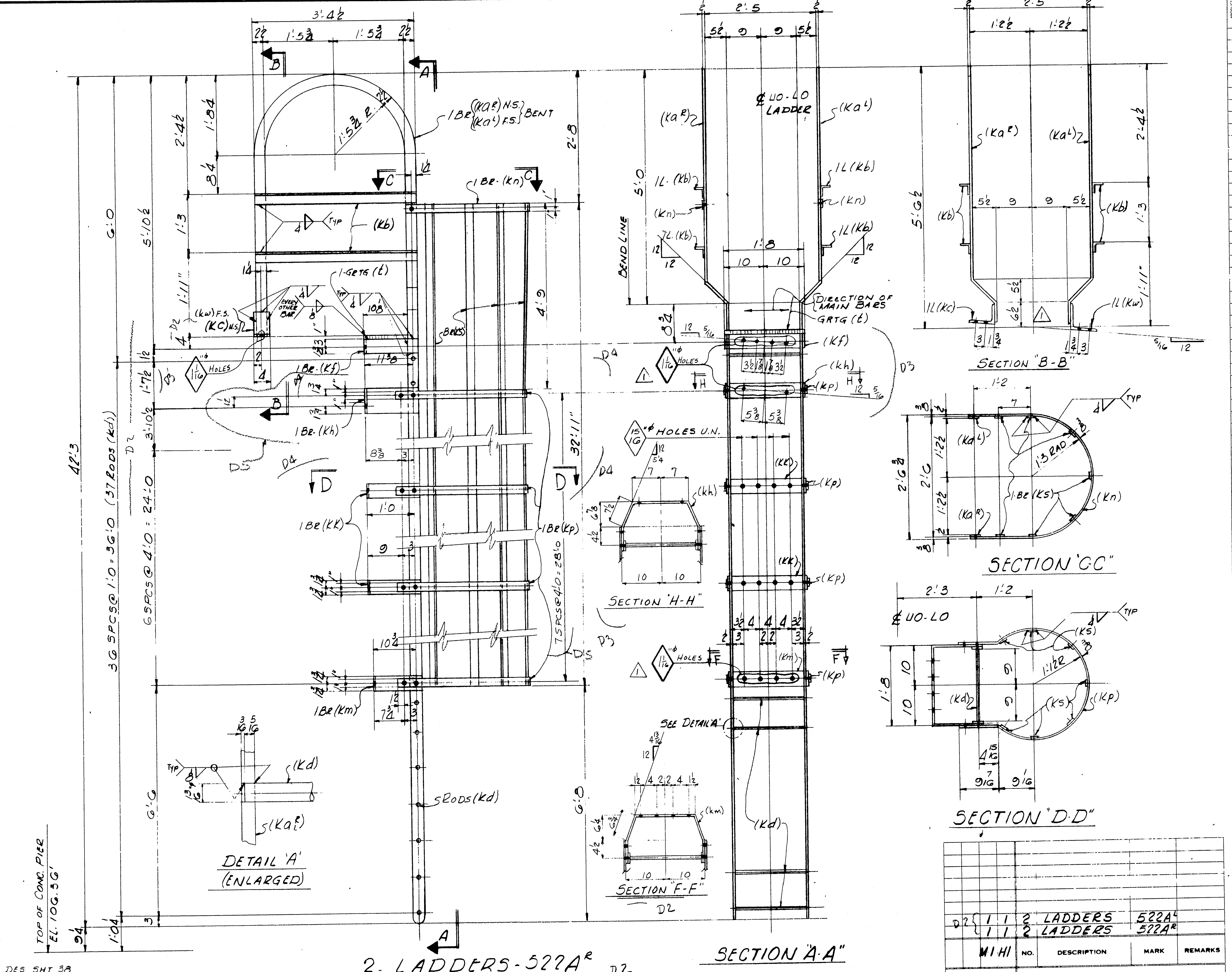
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JAO DATE 11/28/69 IN CHARGE L.G.
CHECKED BY HKT DATE 12-6-69 SHOP NO.
CONTRACT CG6290-090 DRAWING NO. 521

121-172

35042 (Rev.E 8-69)

1



LINE	ASSEMBLY MARK	NO.	SHAPE	SIZE	SIZE OR POUNDS	THICK	FT.	IN.	REMARKS
1									
2									
3	D2	2-	LADDERS -				522A^R		
4		2-		do		-	522A^L △1		
5	K a^R	4/4	Be	2½		½	49	9	BENT
6	K b	16	L	2½	2½	5/16	3	4½	
7	K C D2	4	L	6	6	½	0	4	BENT D2
8	K d	148	RD	3/4"φ			1	6⅝	
9	K f	4	Be	4¾	D2	½	3	8¼	BENT
10	K h	4	Be	5	D5	½	3	4¼	BENT
11	K k	24	Be	3½		½	3	9½	BENT
12	K m	4	Be	3½		½	3	4	BENT
13	K n	4	Be	2		⅜	6	6½	BENT
14	K p D5	32	Be	2		⅜	6	11"	BENT
15	K s	28	Be	2		⅜	32	11"	BENT
16	t	4	M	GRTG. AREA	10	1	1	8	ASTM A36 GALVANIZED
17	K w	4	L	6	6	½	0	4	BENT ← D2
18						D5			
19	F.W.	4	WD		△1	¼	29	8	
20	F.W.	4	WD.			⅛	32	0	

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW NOV 23 1970

Open Holes are for High Strength Structural Bolts Unless Noted A NO PAINT within 3" of Holes for High Strength Structural Bolts

LADDER AT UO-LO

			NO.	DESCRIPTION	MARK	REMARKS
D2	1	1	2	LADDERS	522A^L	
	1	1	2	LADDERS	522A^R	
	M1	H1				

INST. REQUIRED LIST

MATERIAL ASTM-A588 U.N
RIVETS OR BOLTS NONE
OPEN HOLES 13/16"φ U.N
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES NO PAINT
PAINT ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
D5	11/5	LG
D4	9/14	RP
D3	9/1	LG
D2	8/25	JHO
1	1/16	K

REVISION

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

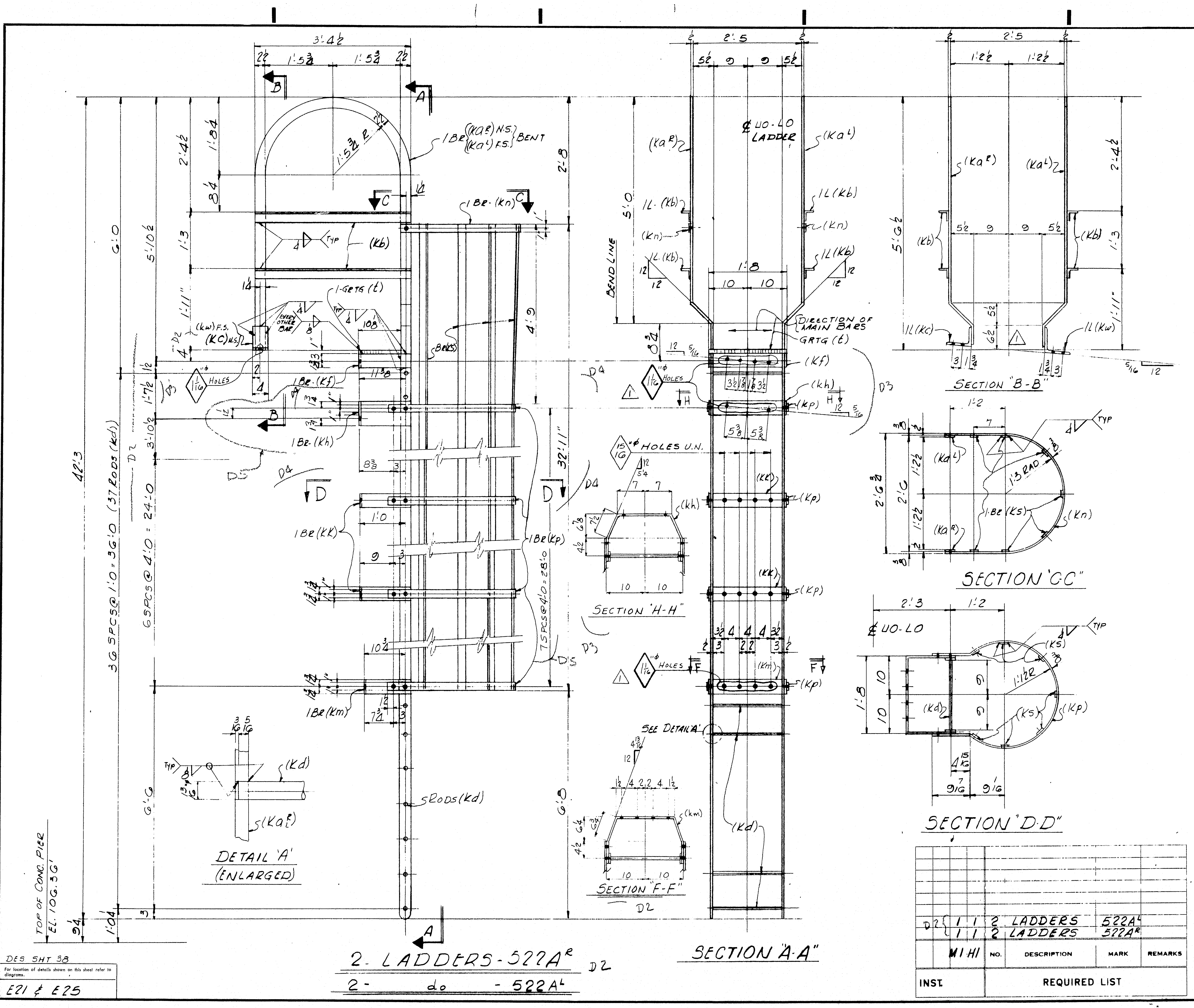
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16. KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RSO DATE 12-2-69 IN CHARGE L.G.
CHECKED BY HKT DATE 12-8-69 SHOP NO.
CONTRACT CG6290-090 DRAWING NO. 522

35453 (Rev.D 8-69)

121-173

DES SHT 38
For location of details shown on this sheet refer to diagrams.
E21 & E25



LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN	REMARKS
1									
2									
3	D2	2-	LADDERS	-			522A^R		
4		2-		do		-	522A^L		△1
5	K a^R	4	Br	2½		½	49	9	BENT
6	K b	16	L	2½	2½	5/16	3	4½	
7	K C D2	4	L	6	6	½	0	4	BENT D2
8	K d	148	RD	¾"φ			1	6⅝	
9	K f	4	Br	4¾	D2	½	3	8¼	BENT
10	K h	4	Br	5	D5	½	3	4¼	BENT
11	K K	24	Br	3½		½	3	9½	BENT
12	K m	4	Br	3½		½	3	4	BENT
13	K n	4	Br	2		⅜	6	6¼	BENT
14	K p D5	32	Br	2		⅜	6	11"	BENT
15	K s	28	Br	2		⅜	32	11"	BENT
16	t	4	M	GRTG. AREA	10	1	1	8	ASTM A36 GALVANIZED
17	K w	4	L	6	6	½	0	4	BENT ← D2
18									
19	F.W.	4	WD		△1	D5 ¼	29	8	
20	F.W.	4	WD.			⅛	32	0	

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW NOV 23 1970

Open Holes are for High Strength Structural Bolts Unless Noted A
NO PAINT within 3" of Holes for High Strength Structural Bolts

D2	1	1	2	LADDERS	522A^L
	1	1	2	LADDERS	522A^R
		M1 H1	NO.	DESCRIPTION	MARK

REMARKS

INST. REQUIRED LIST

DES SHT 38

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

E21 & E25

LADDER AT U0-L0

MATERIAL ASTM - A588 - U.N
RIVETS OR BOLTS NONE
OPEN HOLES 13/16"φ U.N
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES NO PAINT
PAINT ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
D5	11/5	LG
D4	9/14	RP
D3	9/1	LG
D2	8/25	JHO
1	1/16	HT

REVISION

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

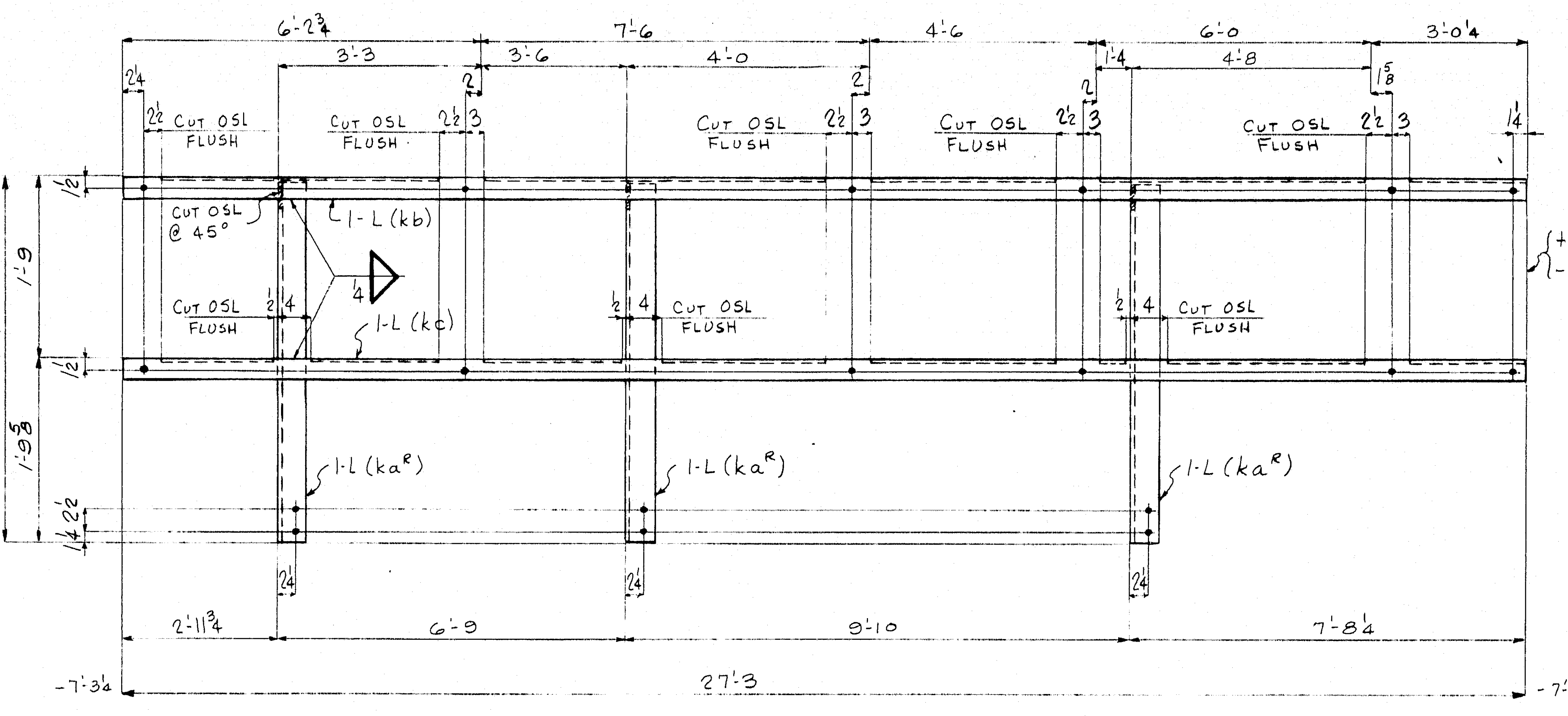
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

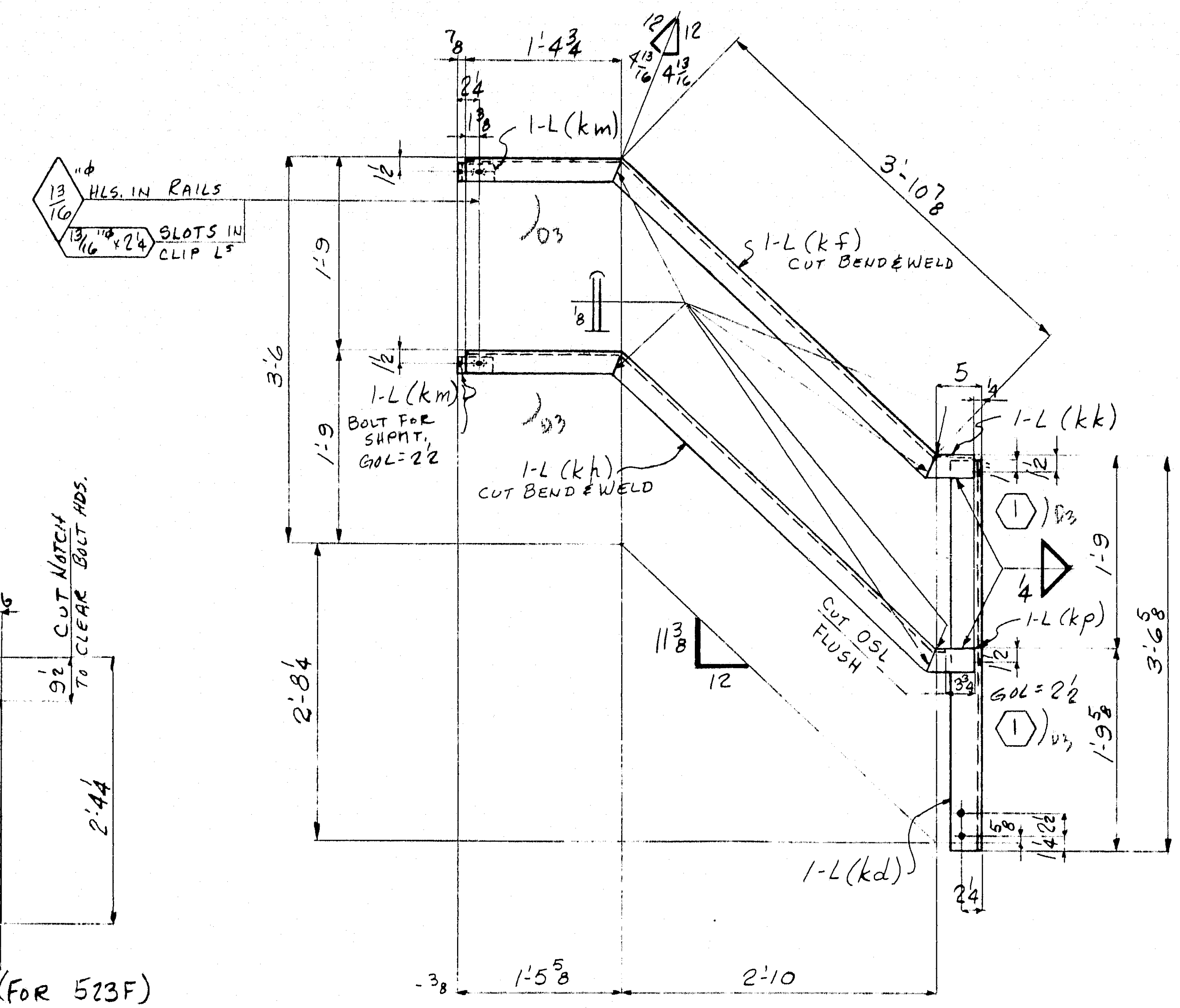
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RSO DATE 12-2-69 IN CHARGE L.G.
CHECKED BY HKT DATE 12-8-69 SHOP NO.
CONTRACT CG6290-090 DRAWING NO. 522

35453 (Rev.D 8-69)

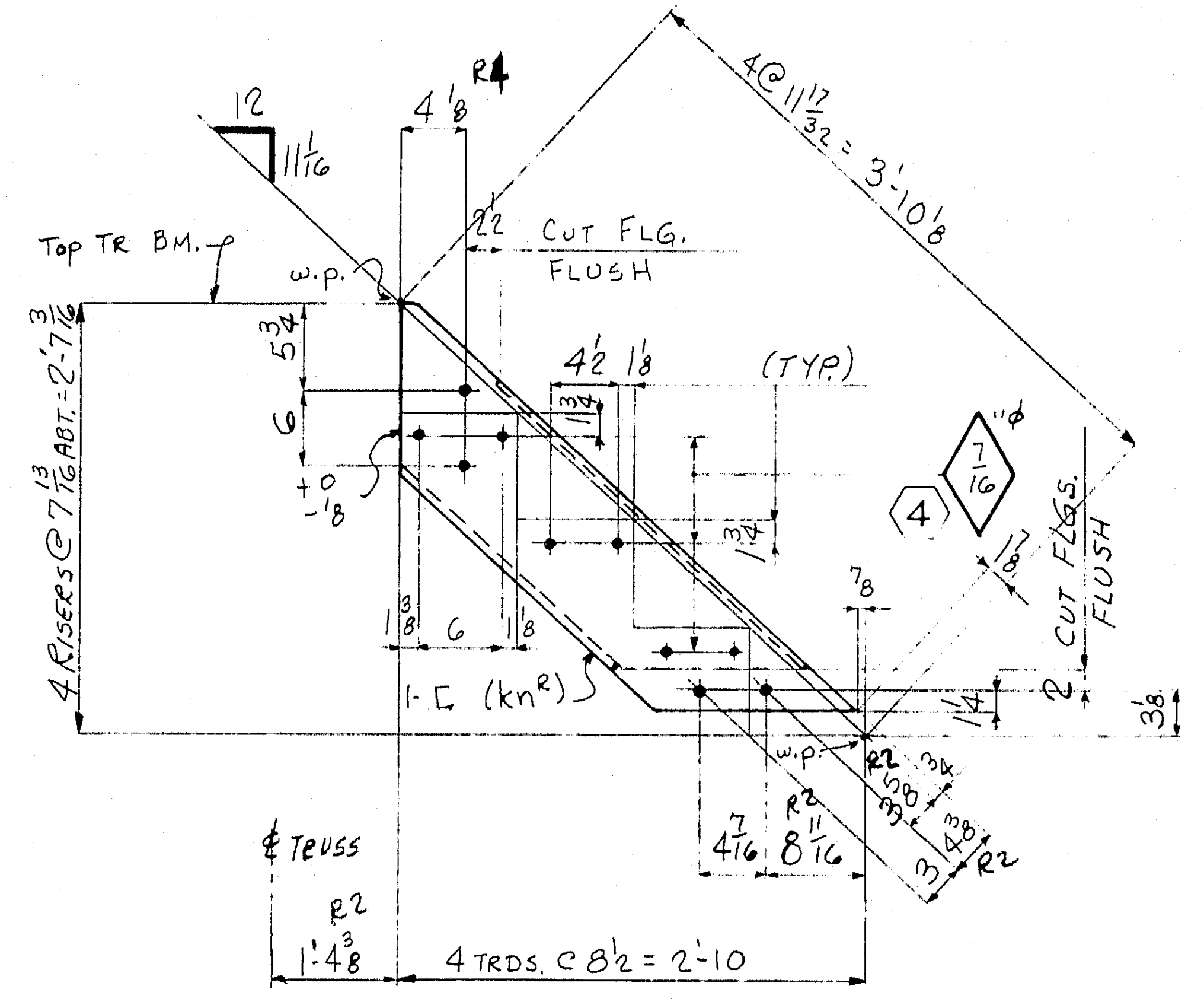
121-173



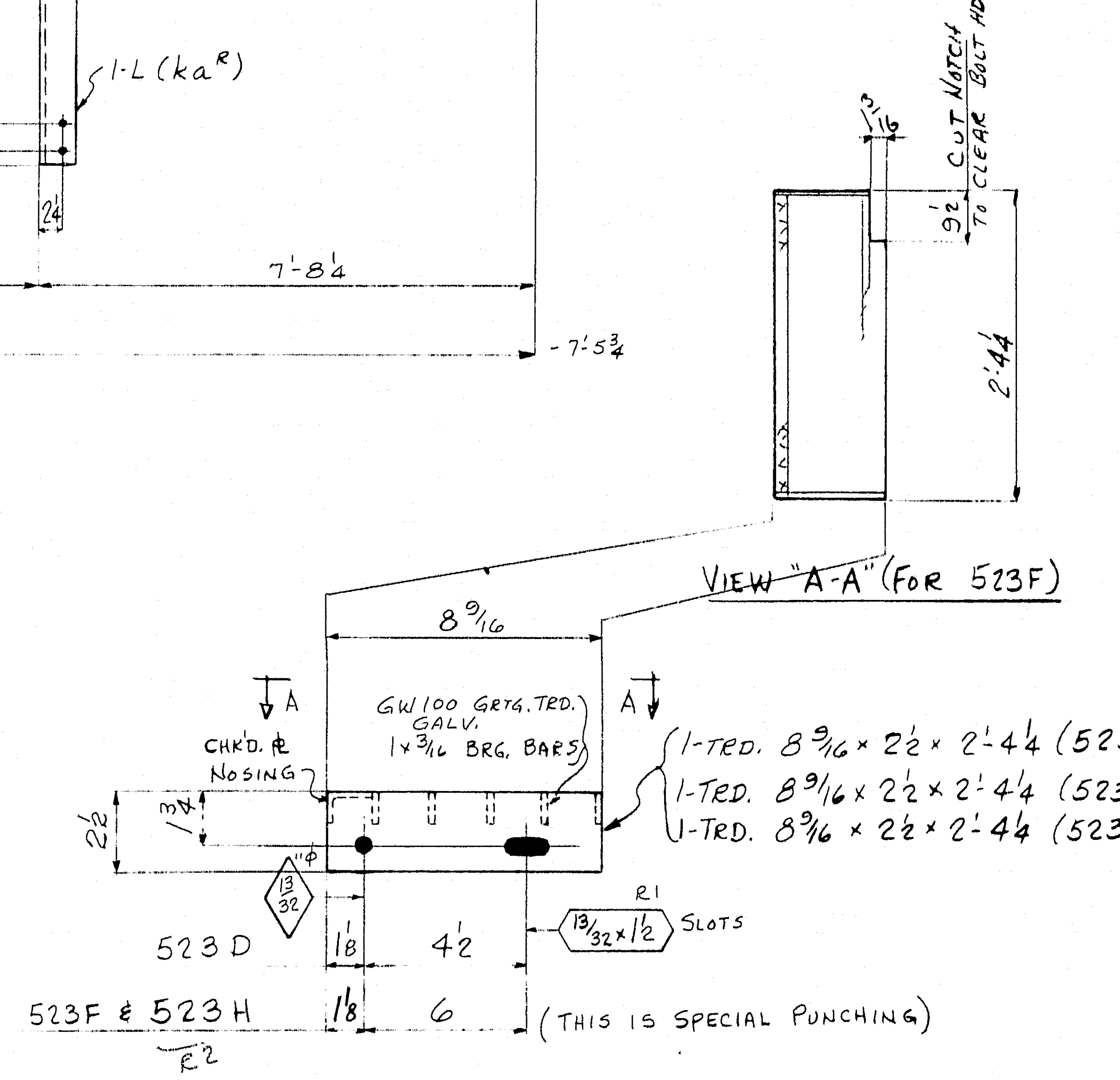
ONE - HAND RAIL - 523A



ONE - HAND RAIL - 523B



R2 4 - STRINGERS - 523C (R-2 / L-2) R2


CUT NOTCH TO CLEAR BOLT HDS.
2'-4¼
VIEW "A-A" (FOR 523F)
8 9/16
A
A
GW100 GRTG. TRD. GALV. 1 × 3/16 BRG. BARS
CHK'D. ℄ NOSING
1-TRD. 8 9/16 × 2½ × 2'-4¼ (523D)
1-TRD. 8 9/16 × 2½ × 2'-4¼ (523F)
1-TRD. 8 9/16 × 2½ × 2'-4¼ (523H) R2
13/32
523 D
1⅛
4½
13/32 × 1½ SLOTS
R1
523F & 523H
R2
1⅛
6
(THIS IS SPECIAL PUNCHING)

4 - TREADS - 523 D

R2 (ONE - do - 523F

ONE - do - 523H) R2

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

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

E23

DESIGN SHT. 36

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		ONE-	HAND	RAIL	-	523	A									
	2	k aR	3	L	3½	3½	⅜	3	6								
	3	k b	1	L	2½	2½	5/16	27	3								
	4	k c	1	L	2½	2½	5/16	27	3								
	5	FW	1	WD	"		¼	3	6								
	6																
	7																
	8																
	9		ONE-	HAND	RAIL	-	523	B									
	10	k d	1	L	3½	3½	⅜	3	6								
	11	k f	1	L	2½	2½	5/16	5	4⅝								
	12	k h	1	L	2½	2½	5/16	5	4⅝								
	13	k k	1	L	2½	2½	5/16	0	5¾								
	14	k m	2	Ls	4	4	⅜	0	2								
	15	k p	1	L	2½	2½	5/16	0	5¾								
	16	BW	1	WD	"		⅛	2	6								
	17	FW	1	WD	"		¼	0	11								
	18																
	19																
	20																
	21																
	22	R2	2-	STAIR	STRINGER				-	523CR							
	23		2-			do			-	523CL							
	24	k nR L	2/2	[	10	15.3		3	8¼								
	25																
	26																
	27																
	28																
	29		4	STAIR	TREADS	-	5	23	D								
	30		4	M	GRTG. TRD.	8 9/16		2	4¼	ASTM-A36 GW100 GRTG. GALV.							
	31																
	32																
	33																
	34	R2	ONE-	STAIR	TREAD	- 52	3F										
	35		ONE	M	GRTG. TRD.	8 9/16		2	4¼	ASTM-A36 GW100 GRTG. GALV.							
	36																
	37																
	38		ONE-	STAIR	TREAD	- 5	23 H										
	39		ONE	M	GRTG. TRD.	8 9/16		2	4¼	ASTM-A36 GW100 GRTG. GALV.							
	40																
	41																
	42																
	43																
	44																
	45																
	46																
	47																
	48																
	49																
	50																
	51																
	52																
	53																
	54																
	55																
	56																
	57																
	58																
	59																
	60																
	61																
	62																
	63																
	64																
	65																
	66																
	67																
	68																
	69																

			M19	NO.	DESCRIPTION	MARK	REMARKS
			1	1	STAIR TRDS.	523 H	SUBLET FABR. SHIP DIRECT
			1	1	STAIR TRDS	523 F	
			4	4	STAIR TREADS	523 D	
		R2	2	2	STAIR STRINGERS	523 CR	
			2	2	do	523 CL	
			1	1	HAND RAIL	523B	
			1	1	HAND RAIL	523A	

INST. REQUIRED LIST

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW SEP 10 1970

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3" of Holes

HAND RAIL & STAIRS @ (L16) TO (L15')

MATERIAL : ASTM-A588 U.N.
RIVETS OR BOLTS : NONE
OPEN HOLES : 13/16"φ U.N.
A325 FIELD BOLTS : NONE
SHOP CONTACT SURFACES : NO PAINT

PAINT : ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
R4	9/1	JAO
D3	6/19	LG
R2	4/12	JAO
R1	3/31	JAO

REVISION

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

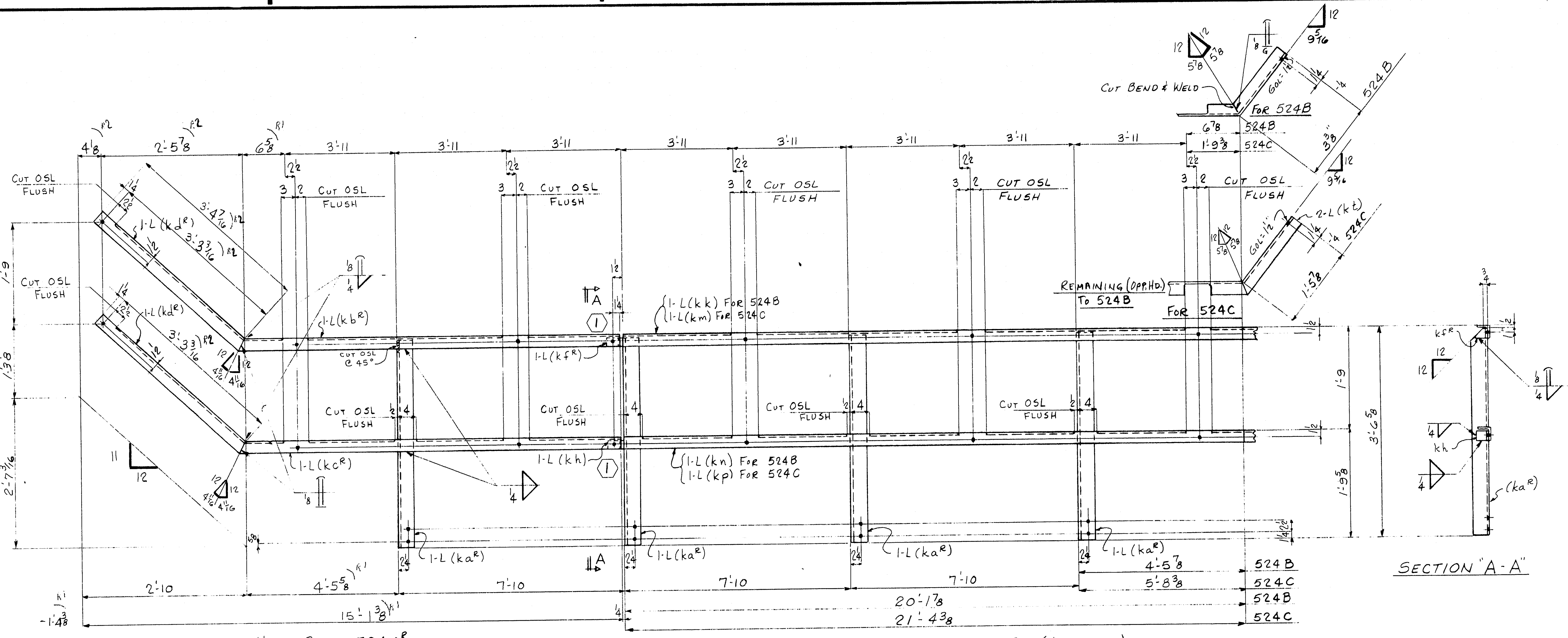
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JAO DATE 12/1/69 IN CHARGE L. G.
CHECKED BY HKT DATE 12-5-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 523

35042 (Rev.E 8-69)

121-174

0 1 2 3 4 5 6



ONE-HAND RAIL - 524 Aᴿ
ONE - do - 524 Aᴸ

ONE-HAND RAIL - 524 B (AS SHOWN)
ONE - do - 524 C (AS NOTED)

			1	1	HAND RAIL	524C	SUBLET	
			1	1	do	524B	FABR.	
			1	1	do	524Aᴸ	SHIP	
			1	1	do	524Aᴿ	DIRECT	
			M19	NO.	DESCRIPTION	MARK	REMARKS	

INST.

REQUIRED LIST

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

E23

DES SHT. 36

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		ONE	- HAND	RAIL	-	524	A	ᴿ								
	2		ONE	-	do	-	524	Aᴸ									
	3	k a^{R}_{L}	1/1	L	3½	3½	⅜	3	6⅛								
	4	k b^{R}_{L}	1/1	L	2½	2½	5/16	12	4⅜	R1							
	5	k c^{R}_{L}	1/1	L	2½	2½	5/16	12	4⅜								
	6	k d^{R}_{L}	2/2	L	2½	2½	5/16	3	5⅜								
	7	FW	2	WD	¼"			1	4½								
	8	BW	2	WD	⅛"			1	6								
	9																
	10																
	11																
	12																
	13																
	14																
	15																
	16																
	17																
	18																
	19																
	20																
	21																

LINE	ASSEMBLY MARK	NO.	SHAPE	SIZE	SIZE OR POUNDS	THICK	FT.	IN.	REMARKS
22		ONE-	HAND	RAIL-	524	B	(AS SHOWN)		
23		ONE-		do	-	524	C	(AS NOTED)	
24	k aᴿ	3	L						FOR 524B
25	k aᴸ	3	L						524C
26	k fᴿ	1	L	2½	2½	5/16	0	2	524B
27	k fᴸ	1	L						524C
28	k k	1	L	2½	2½	5/16	20	5¼	524B
29	k m	1	L	2½	2½	5/16	21	5⅝	524C
30	k n	1	L	2½	2½	5/16	20	5¼	524B
31	k p	1	L	2½	2½	5/16	21	5⅝	524C
32	k h	2	L	2½	2½	5/16	0	2	
33	k t	2	L	2½	2½	5/16	1	7⅛	FOR 524C
34	BW	2	WD	⅛			1	0	
35	FW	2	WD	¼			4	4	
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									

LINE	
46	
47	
48	
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69	

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3' of Holes

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
SEP 10 1970
BY FFW

HAND RAIL ON PLATF. @ BRIDGE LIGHT CONTROL PANEL

MATERIAL: ASTM-A588
RIVETS OR BOLTS: NONE
OPEN HOLES: 13/16"ϕ
A325 FIELD BOLTS: NONE
SHOP CONTACT SURFACES: NO PAINT
PAINT: ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
R2	9-1	JAO
R1	4-20-70	HT

REVISION

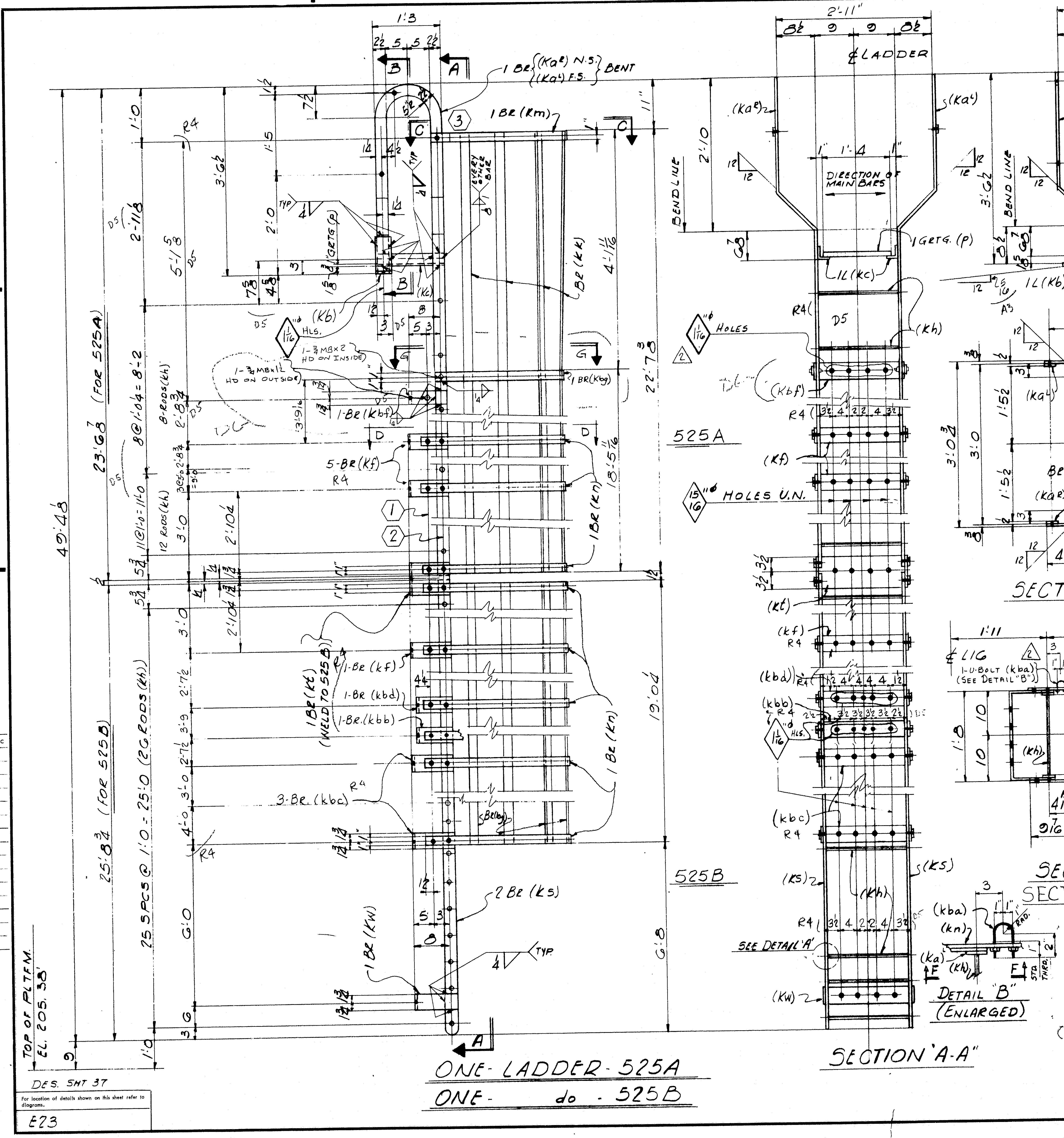
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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
MADE BY JAO DATE 12/2/69 IN CHARGE L. G.
CHECKED BY HKT DATE 12-5-69 SHOP NO.
CONTRACT CG6290-090 DRAWING NO. 524

121-175

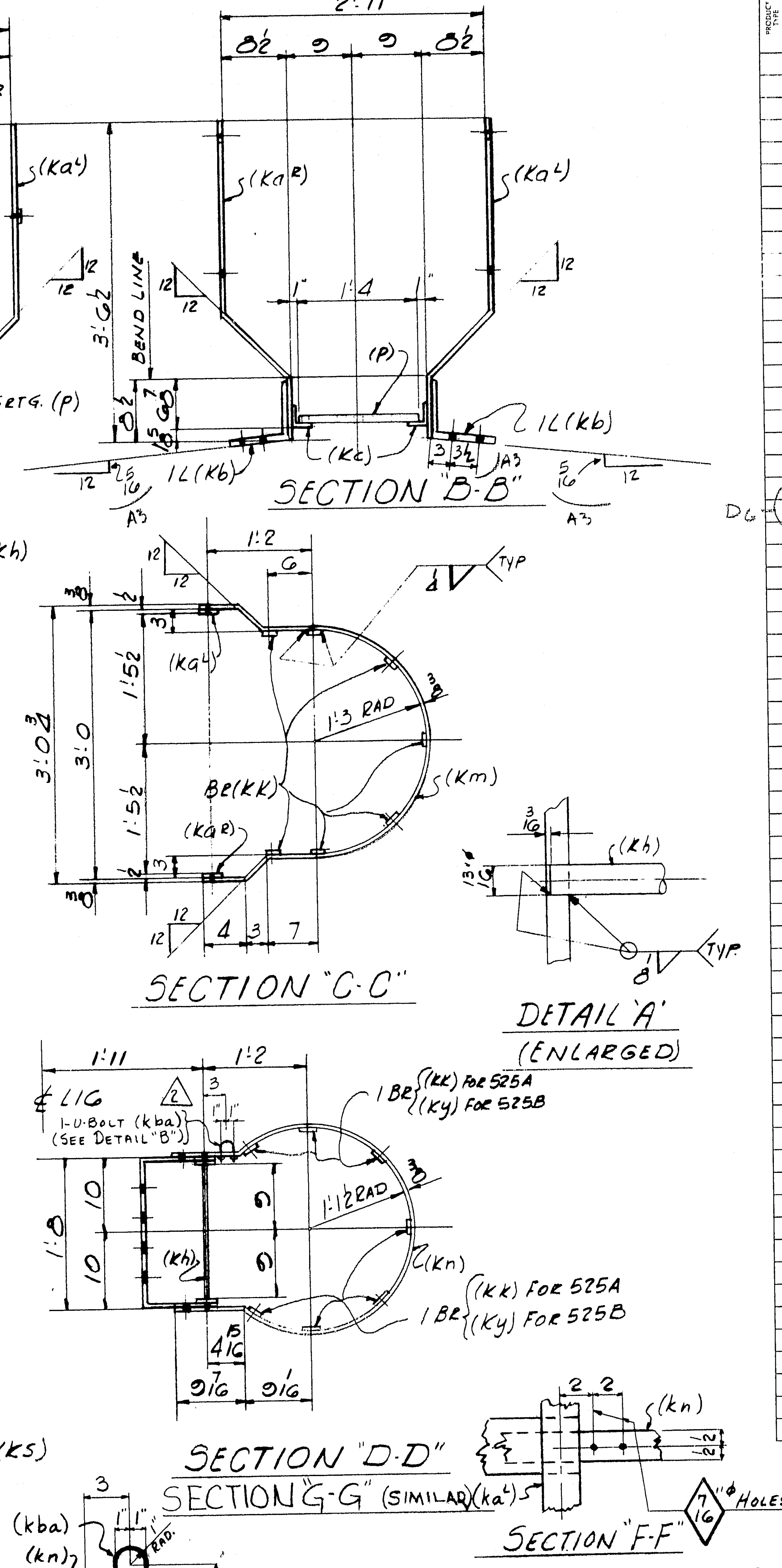


ONE - LADDER - 525A
ONE - do - 525B

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

E23

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



PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT	LENGTH IN	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT	MILL ORDER LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1																
	2																
	3																
	4	ONE - LADDER - 525A															
	5																
	6	K a^R_L	1/1	BR.	2½		½	28	1"	BENT							
	7	K b	2	L	8	8	½	0	3	BENT)A3							
	8	K C	2	L	2½	2½	⅜	1	3								
	9	D6 D5	2	MB	¾			0	1½	RHH & RHN							
	10	K f D6	5	BR	3½		½	3	1½	BENT							
	11	K h	20	RD	¾"φ			1	6⅝								
	12	K k	7	BR	2		⅜	22	7½								
	13	K m	1	BR	2		⅜	6	6¼	BENT							
	14	K n D6	6	BR	2		⅜	6	11	BENT							
	15	p	1	M	GRTG. AREA	15	1	1	4	ASTM A36 GALVANIZED 1"×3/16 BRG BARS							
	16																
	17	K ba	7	M	U-BOLT	⅜"φ	ROD×	0	8	BENT (W/2 H. NUTS) GALV.							
	18	F.W.	1	WD		△2	¼	15	3								
	19	F.W	1	WD			⅛	16	2								
D6	20		2	MB	¾			0	2	RHH & RHN							
	21	K bf	1	BR	3½		½	3	1½	BENT							
	22	K bg	1	BR	2		⅜	6	4½	BENT							
	23	ONE LADDER - 525B															
	24																
	25	K S	2	BR	2½		½	25	8¾								
	26	K t	1	BR	7		½	3	1½	BENT							
	27	K W	1	BR	3½		½	3	1½	BENT							
	28	K f R4	1	BR													
	29	K h	26	RD													
	30	K n	6	BR													
	31	K y	7	BR	2		⅜	19	0¼								
	32	k ba	7	M						U-BOLTS							
	33	k bb	1	BR	3½		½	3	0	BENT R4							
	34	k bc	3	BR	3½		½	3	1½	BENT R4							
	35	k bd	1	BR	3½		½	3	0	BENT R4							
	36	FW	1	WD			¼	14	6	R4							
	37	FW	1	WD			⅛	15	3	R4							
	38																
	39																
	40																
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	58																
	59																
	60																
	61																
	62																

Open Holes are for High Strength Structural Bolts Unless Noted A NO PAINT within 3" of Holes for High Strength Structural Bolts

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

LADDER AT L16 - U16

INST.	M19	NO.	DESCRIPTION	MARK	REMARKS
		1	ONE LADDER	525B	SUBLET FABR SHIP DIRECT
		1	ONE LADDER	525A	

REQUIRED LIST

MATERIAL ASTM-A588 U.N.
RIVETS OR BOLTS NONE
OPEN HOLES 13/16"φ U.N
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES NO PAINT
PAINT ONE SHOP COAT

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

NO.	DATE	INIT.
0		
9		
8		
7		
D6	11/5	LG
D5	8/20	JHO
R	4/17	JHO
A3	2/19	LG
2	1/16	HT
1	12/17	LG

REVISION

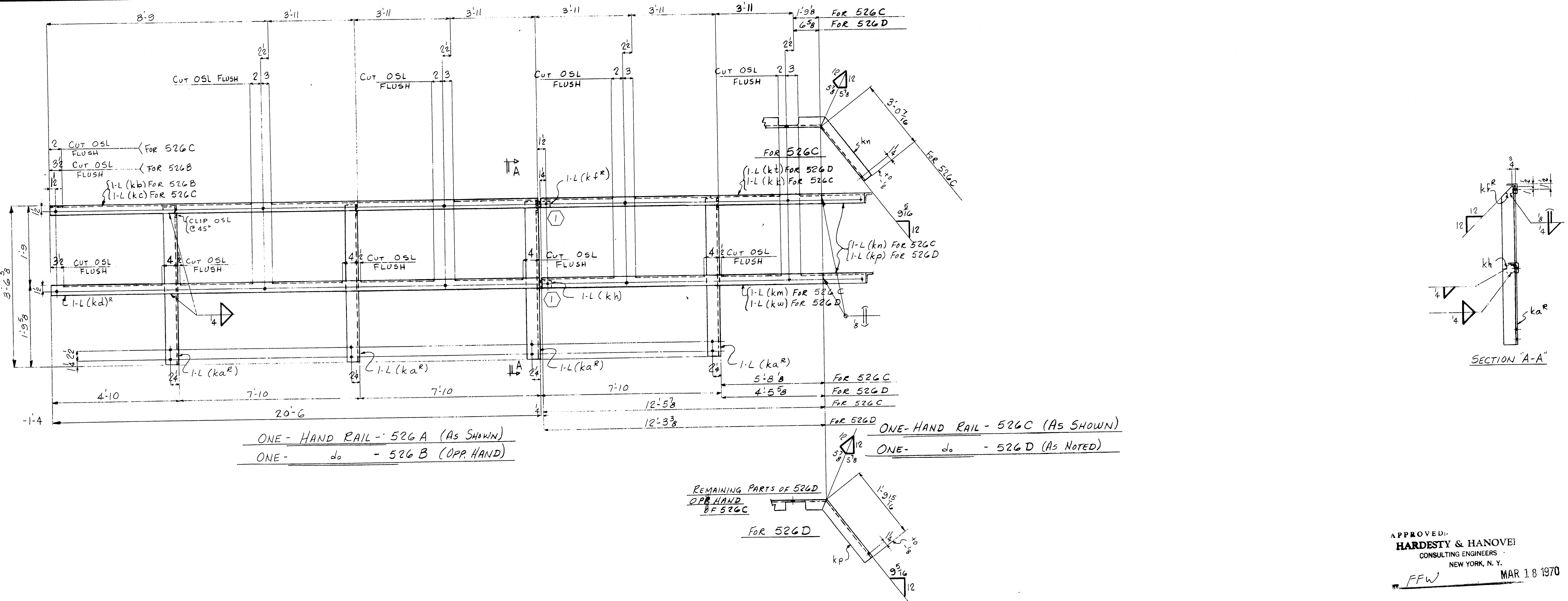
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RSO DATE 12-10-69 IN CHARGE L.G.
CHECKED BY HKT DATE 12-15-69 SHOP NO.
CONTRACT CG6290-090 DRAWING NO. 525

35453 (Rev.D 8-69)

121-176



ONE-HAND RAIL - 526A (AS SHOWN)
ONE- do - 526B (OPP. HAND)

ONE-HAND RAIL - 526C (AS SHOWN)
ONE- do - 526D (AS NOTED)

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW MAR 18 1970

				NO.	DESCRIPTION	MARK	REMARKS
			1	1	HAND RAIL	526D	SUBLET
			1	1	do	526C	FABR.
			1	1	do	526B	SHIP
			1	1	do	526A	DIRECT
			M19	NO.	DESCRIPTION	MARK	REMARKS

INST. REQUIRED LIST

Open Holes are for High Strength Structural Bolts. NO PAINT within 3" of Holes

	a	b	c
a	Y		
b	Y		
c	X		
d	Y		
f	Y		
g			
h	Y		
k	+		
m	T		
n	+		
p	+		
s			
t	Y		
w	X		
y			

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

E23

DES. SHT. 36

LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS
1		ONE-	HAND	RAIL		-	52	6A	(AS SHOWN)
2		ONE-		do		-	52	6B	(OPP HAND)
3	k a^R	3	L	3½	3½	⅜	3	6⅛	FOR 526A
4	k a^L	3	L						526B
5	k b	1	L	2½	2½	5/16	20	6	526A
6	k c	1	L	2½	2½	5/16	20	6	526B
7	k d^R_L	1/1	L	2½	2½	5/16	20	6	
8	k f^R_L	1/1	L	2½	2½	5/16	0	2	
9	k h	2	L	2½	2½	5/16	0	2	
10	FW	2	WD	¼"			4	4	
11		ONE-	HAND	RAIL		-	52	6C	
12	k a^R	1	L						
13	k k	1	L	2½	2½	5/16	12	7 1/16	
14	k m	1	L	2½	2½	5/16	12	7 1/16	
15	k n	2	L	2½	2½	5/16	3	1⅝	
16	FW	1	WD	¼"			1	2	
17	BW	1	WD	⅛"			1	9	
18									
19									
20									
21									
22									
23									
24		ONE-	HAND	RAIL		-	52	6D	
25	k a^L	1	L						
26	k p	2	L	2½	2½	5/16	1	9 15/16	
27	k t	1	L	2½	2½	5/16	12	4 9/16	
28	k w	1	L	2½	2½	5/16	12	4 9/16	
29									
30	FW	1	WD	¼"			1	2	
31	BW	1	WD	⅛"			1	9	

MILL ORDER: WIDTH | THICK | LENGTH FT. | LENGTH IN. | STOCK | ITEM PAGE | ITEM LINE

MATERIAL: ASTM - A 588
RIVETS OR BOLTS: NONE
OPEN HOLES: 13/16"φ
A325 FIELD BOLTS: NONE
SHOP CONTACT SURFACES: NO PAINT

PAINT: ONE SHOP COAT

HAND RAIL @ CATWALK TO PLATFORM "D"

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

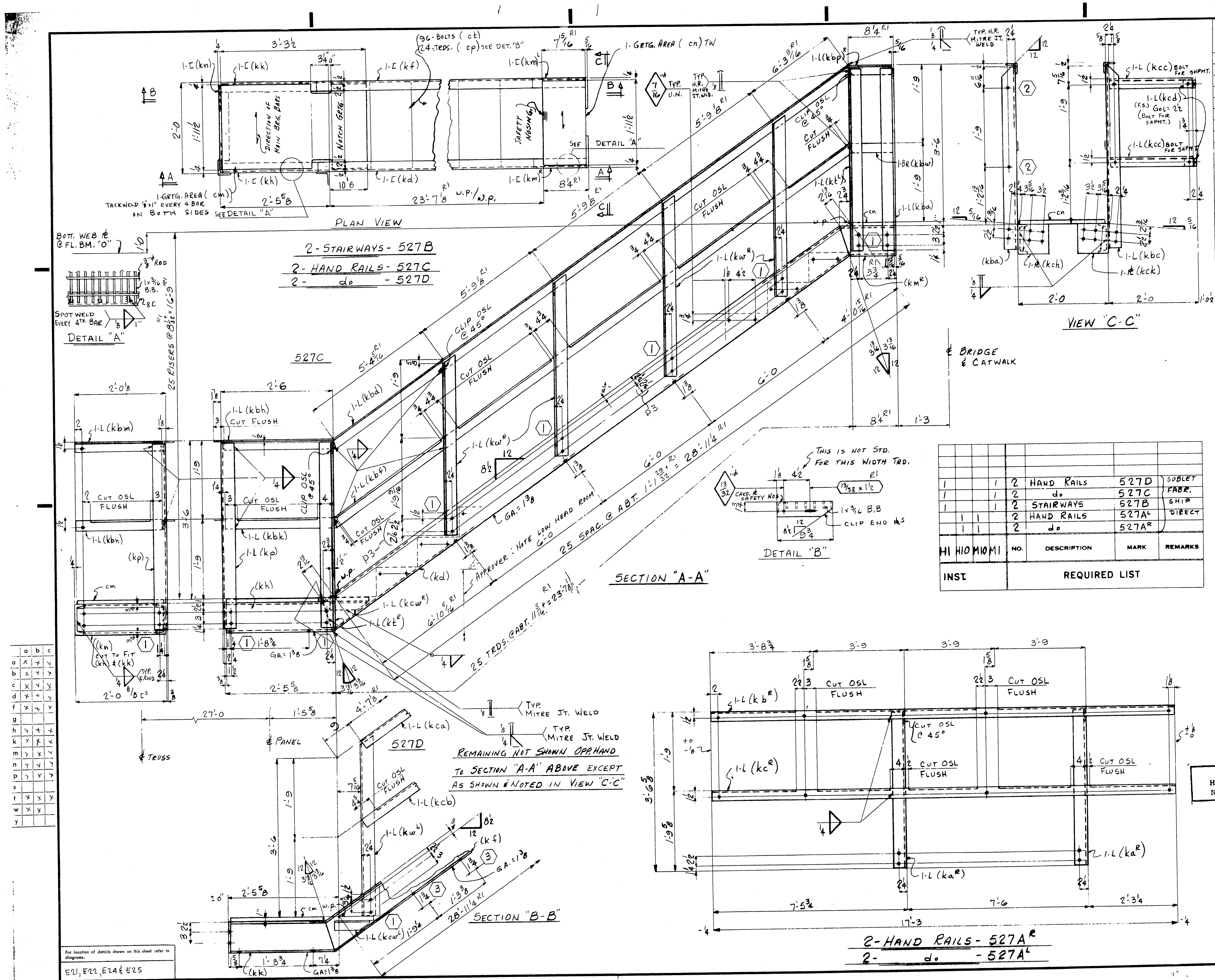
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JRO DATE 12/2/69 IN CHARGE L. G.
CHECKED BY HKT DATE 12-16-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 526

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

REVISION: NO. | DATE | INIT.

35042 (Rev.E 8-69)

121-177



For location of details shown on this sheet refer to diagrams.
E21, E22, E24 & E25

DES. SHTS. 36 & 38

1			1	2	HAND RAILS	527D	SOBLET	
1			1	2	do	527C	FABR.	
1			1	2	STAIRWAYS	527B	SHIP	
	1	1		2	HAND RAILS	527A^{L}	DIRECT	
	1	1		2	do	527A^{R}		
H1	H10	M10	M1	NO.	DESCRIPTION	MARK	REMARKS	
INST.				REQUIRED LIST				

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT	LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1		2-	HAND	RAILS-	527A^{R}											
	2		2-	do		-527A^{L}											
	3	k a^{R}_{L}	4/4	L	3½	3½	3/8	3	6								
	4	k b^{R}_{L}	2/2	L	2½	2½	5/16	17	3								
	5	k c^{R}_{L}	2/2	L	2½	2½	5/16	17	3								
	6	FW	4	WD	R1		¼	1	8								
	7																
	8																
	9																
	10																
	11																
	12		2-	STAIR	WAYS	-527B											
	13	k d	2	[	8	13.75		29	1¾	R1							
	14	k f	2	[	8	13.75		29	1¾	R1							
	15	k h	2	[	8	13.75		2	5								
	16	k k	2	[	8	13.75		2	5								
	17	k m^{R}_{L}	2/2	[	8	13.75		0	10 11/16	R1							
	18	k n	2	[	8	13.75		1	11⅛								
	19	k cw^{R}_{L}	2/2	L	2½	2½	5/16	0	10½								
	20																
	21	k ch	2	PL	8		5/16	0	8½								
	22	k ck	2	PL	8		5/16	0	8½								
	23	cm	2	M	GRTG. AREA	23½× 1"		3	3½	ASTM-A36 GW100 1×3/16 B.B. GALV.							
	24	cn	2	M	GRTG. AREA	9⅝× 1"		1	11½	do							
	25	cp	48	M	GRTG. TRDS.	9¾ × 1"		1	11⅜	do							
	26	ct	192	MB	⅜φ			0	1¼	GALV. RHH & RHN.							
	27	FW	2	WD			¼	9	0								
	28	FW	2	WD		R1	⅛	4	0								
	29	BW	2	WD			⅛	7	6								
	30	B455	2	WD			¼	1	8								
	31		192	W	¾	7/16	⅛			LOCK WASH.							
	32		2-	HAND	RAILS-	527C											
	33	k t^{R}_{L}	2/2	L	3½	3½	⅜	4	1¼								
	34	k p	2	L	3½	3½	⅜	4	1¼								
	35	k w^{R}	8	L	3½	3½	⅜	4	1¼								
	36	k ba	2	L	3½	3½	⅜	4	1¼								
	37	k bd	2	L	2½	2½	5/16	29	0	R1							
	38	k bf	2	L	2½	2½	5/16	29	0	R1							
	39	k bh	2	L	2½	2½	5/16	2	8⅝								
	40	k bk	2	L	2½	2½	5/16	2	5½								
	41	k bm	2	L	2½	2½	5/16	1	11								
	42	k bn	2	L	2½	2½	5/16	1	11								
	43	k bp^{R}	2	L	2½	2½	5/16	0	7 15/16	R1							
	44	k bw	2	BR	2½		5/16	0	7 15/16	R1							
	45	FW	2	WD	R1		¼	7	5								
	46	BW	2	WD	R1		⅛	2	4								
	47																
	48																
	49		2-	HAND	RAILS-	527D											
	50	k t^{R}	2	L													
	51	k w^{L}	10	L													
	52		8	M	H.S. BOLTS	¾"φ		0	2	ASTM-A325 HHEN w/1 HRD.W.							
	53	k bc	2	L	3½	3½	⅜	4	1¼								
	54	k ca	2	L	2½	2½	5/16	28	2¼	R1							
	55	k cb	2	L	2½	2½	5/16	28	2¼	R1							
	56	k cc	4	L	2½	2½	5/16	1	11⅜								
	57	k cd	4	L	4	3½	5/16	0	2								
	58	k bp^{L}	2	L	R1												
	59	k bw	2	BR	R1												
	60	FW	2	WD			¼	5	3	R1							
	61	BW	2	WD			⅛	1	2	R1							
	62																

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW OCT 27 1970

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3' of Holes

MATERIAL : A.S.T.M.-A588 U.N.
RIVETS OR BOLTS : NONE
OPEN HOLES : 13/16"φ U.N.
A325 FIELD BOLTS : NONE
SHOP CONTACT SURFACES : No PAINT

PAINT : ONE SHOP COAT

STAIRS & HAND RAIL @ L0 & L0'

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
D3	10/21	LG
D2	4/20	K
R1	4/5	JHO
REVISION		

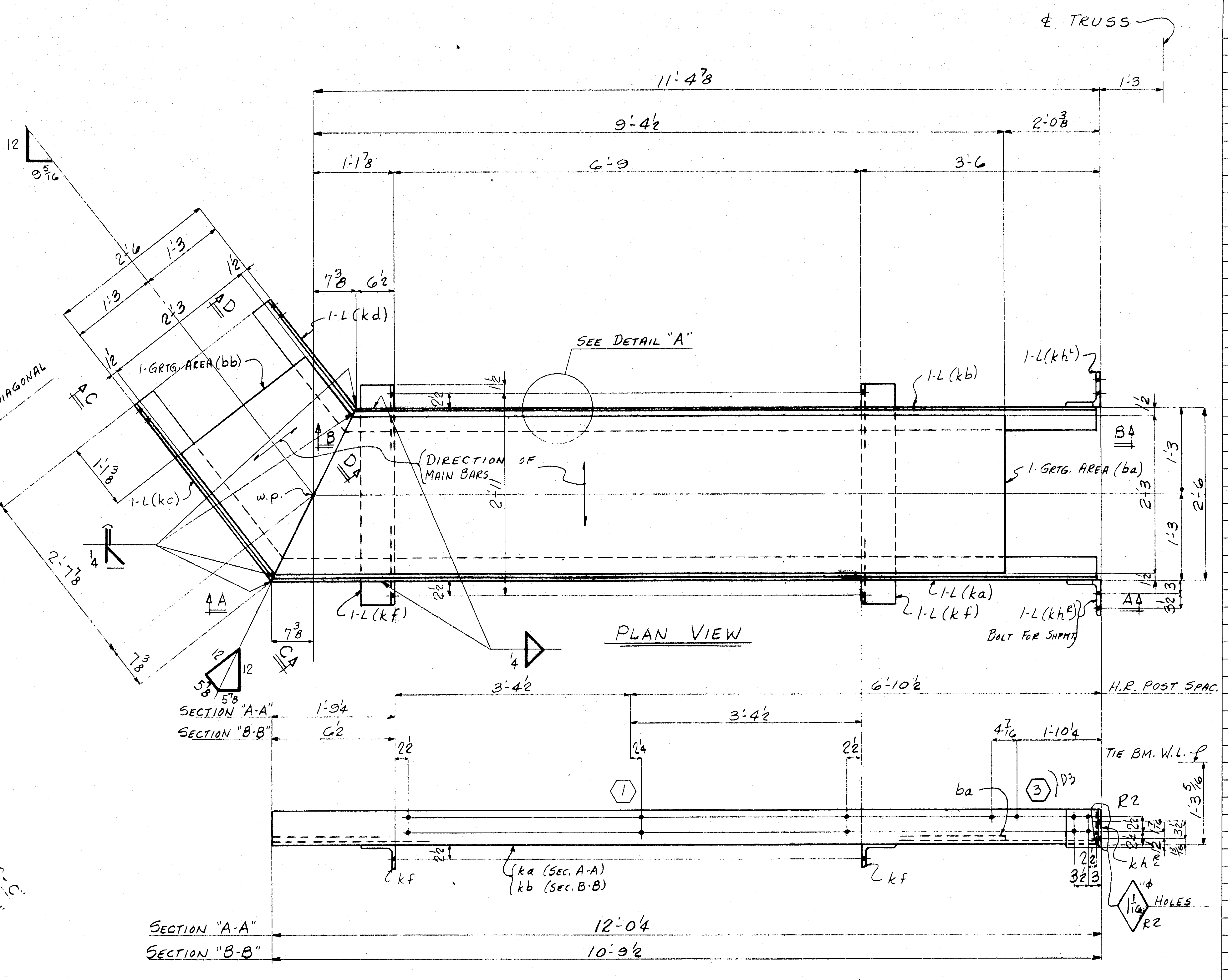
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 JHO DATE 12-4-69 IN CHARGE L.G.
CHECKED BY HKT DATE 12-22-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 527

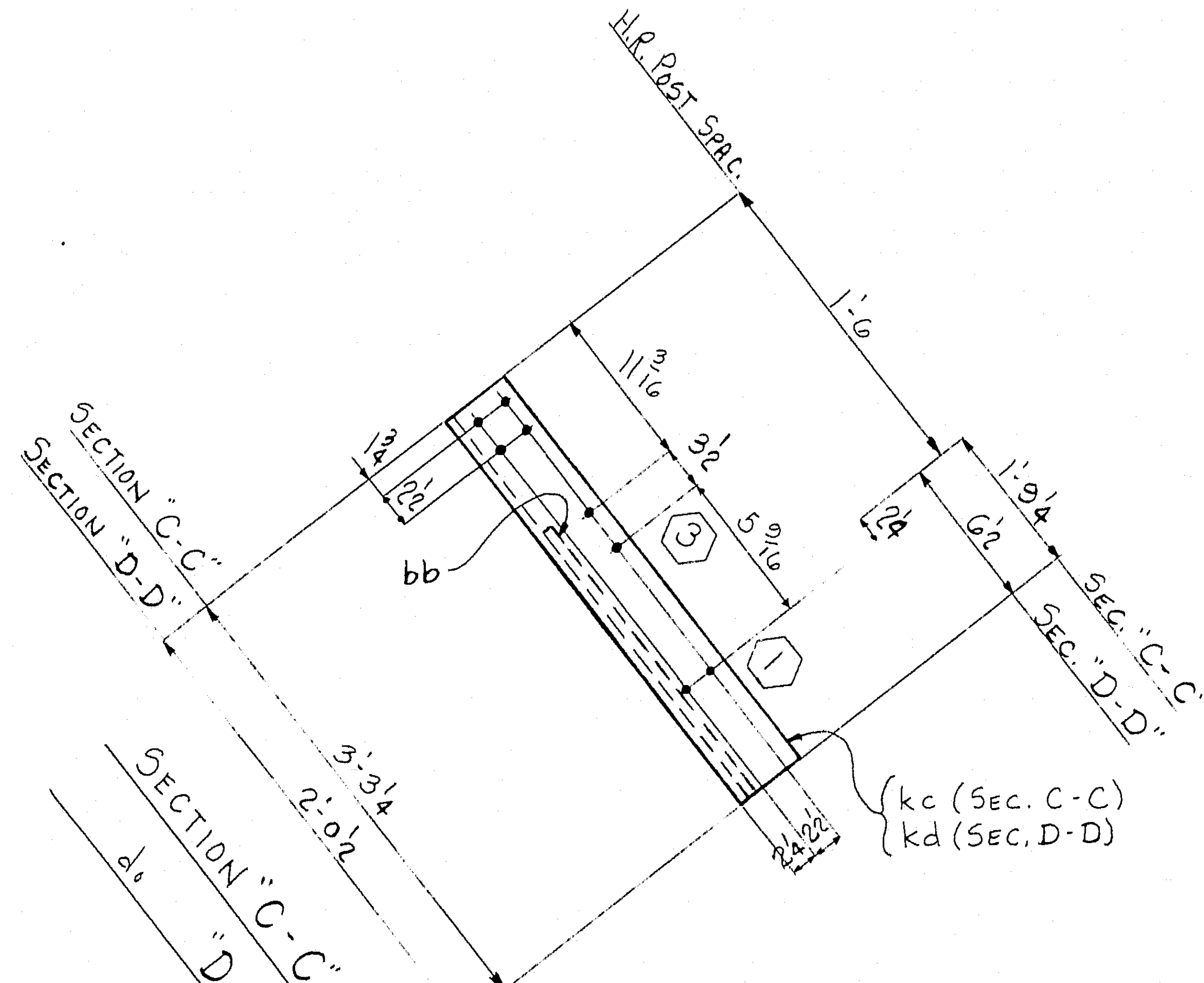
35453 (Rev.D 8-69)

121-178

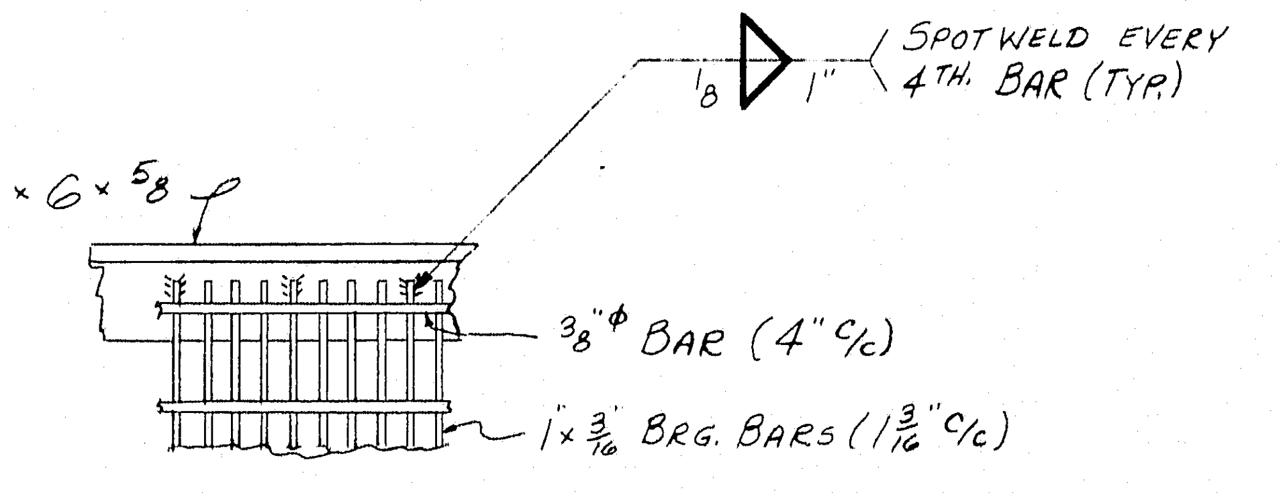


PLAN VIEW

SECTION "A-A" (AS SHOWN)
SECTION "B-B" (OPP. HAND)



SECTION "C-C" (AS SHOWN)
do "D-D" (OPP. HAND)



L 4 x 6 x 5/8
1/8
1"
SPOTWELD EVERY 4TH. BAR (TYP.)
3/8"φ BAR (4" c/c)
1" x 3/16" BRG. BARS (1 3/16" c/c)

DETAIL "A"

ONE - CATWALK PLATFORM - 528A

	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.

E23

DES. SHT. 36

SHOP BILL											MILL ORDER						
PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION			LENGTH		REMARKS	WIDTH	THICK	LENGTH		STOCK	ITEM	
					SIZE	SIZE OR POUNDS	THICK	FT.	IN.				FT	IN		PAGE	LINE
	1		ONE - CATWALK PLATFORM - 528A														
	2	k a	1	L	6	4	5/8	11	11 3/4								
	3	k b	1	L	6	4	5/8	10	11								
	4	k c	1	L	6	4	5/8	3	3 1/4								
	5	k d	1	L	6	4	5/8	2	2 1/2								
	6	k f	2	L	6	4	3/8 R1	3	2								
	7	k h R/L	1/1	L	8	8	5/8	0	6 3/4	R2							
	8	ba	1	M	GRTG. AREA	27 x	1 x	9	11 1/8	ASTM-A36 GW100 1x3/16 B.B. GALV.							
	9	bb	1	M	GRTG. AREA	27 x	1 x	2	1 1/8	do							
	10	FW	1	WD			1/4	4	0								
	11	FW	1	WD			1/8	11	4								
	12		8	M	H.S. BOLTS	3/4"φ		0	2 1/2	ASTM-A325 HHEN w/1 HRD. W.							
	13																
	14																
	15																
	16																
	17																
	18																
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APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW
JUN 29 1970

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3" of Holes

				M19	NO.	DESCRIPTION	MARK	REMARKS
				1	1	CATWALK PLATF.	528A	SUBLET FABR. SHIP DIRECT

INST.	REQUIRED LIST

MATERIAL : ASTM-A588 U.N.
RIVETS OR BOLTS : NONE
OPEN HOLES : 13/16"φ
A325 FIELD BOLTS : NONE
SHOP CONTACT SURFACES : NO PAINT
PAINT : ONE SHOP COAT

CATWALK OVER DIAGONAL @ L15'

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
D3	6/19	LG
R2	4/12	JAO
R1	3-31	JAO

REVISION

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

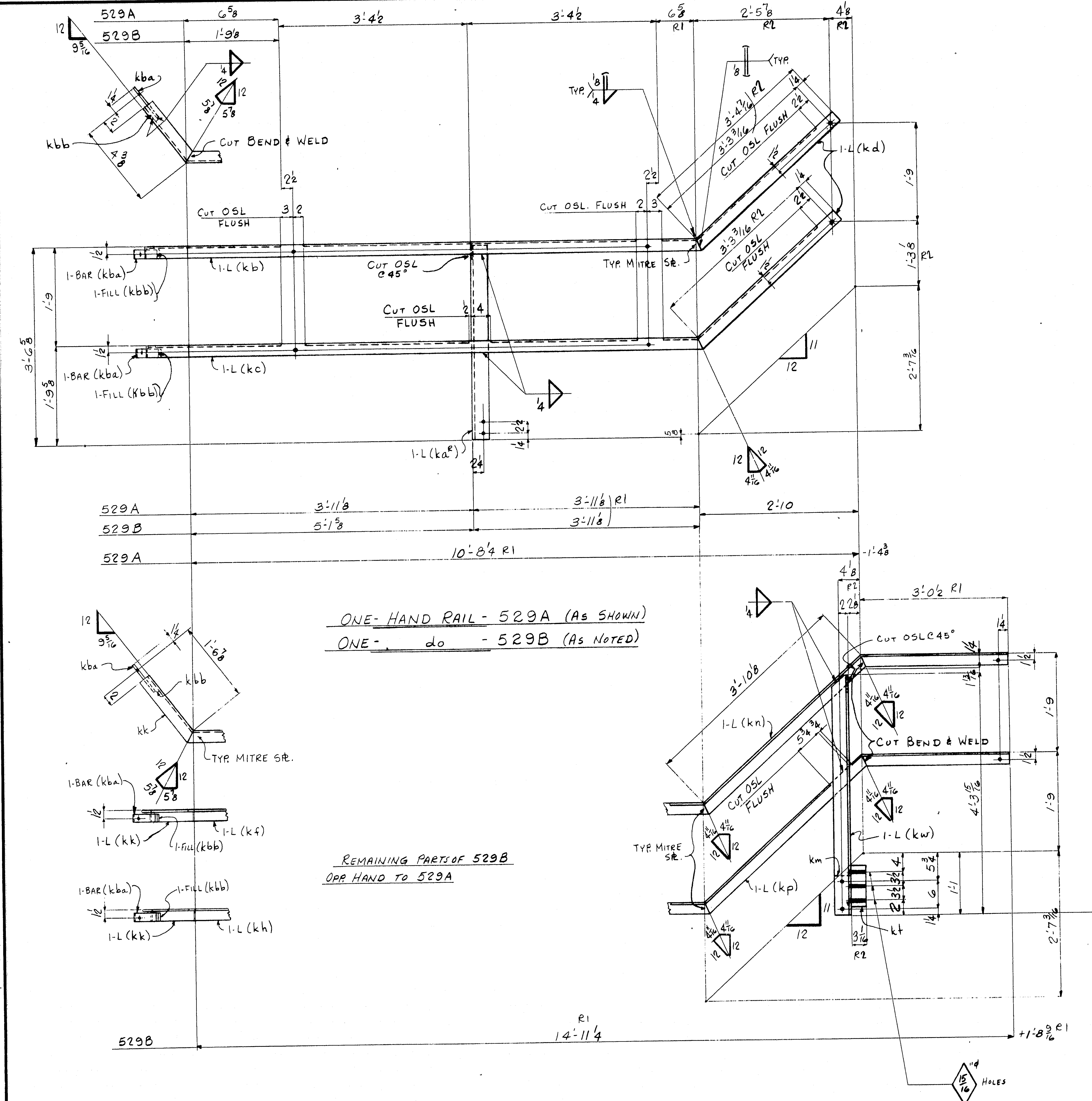
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

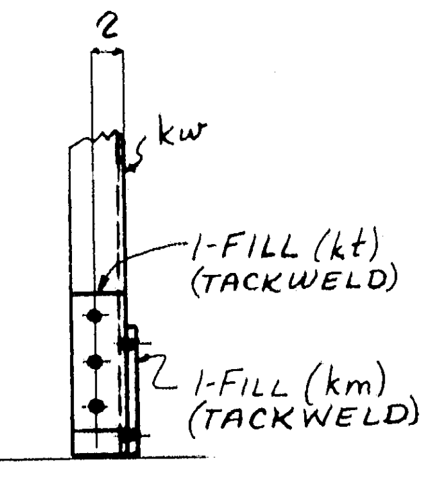
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JAO DATE 12-8-69 IN CHARGE L. G.
CHECKED BY HKT DATE 12-22-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 528

121-179

35453 (Rev.D 8-69)





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

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

E23

DES. SHT. 36

SHOP BILL / MILL ORDER

Product Type	Line	Assembly Mark	No.	Shape	Section Size	Section Size or Pounds	Section Thick	Length Ft.	Length In.	Remarks	Width	Thick	Length Ft	Length In	Stock	Item Page	Item Line
	1		ONE-HAND RAIL-529A														
	2	k a^R	1	L	3½	3½	3/8	3	6 1/8								
	3	k b	1	L	2½	2½	5/16	8	1 5/8	R1							
	4	k c	1	L	2½	2½	5/16	8	1 5/8								
	5	k d	2	L	2½	2½	5/16	3	5 7/16	R2							
	6	k ba	2	BR	2		3/8	0	6								
	7	k bb	2	BR	2		3/8	0	3								
	8	FW	1	WD		R1	1/4	1	11								
	9	BW	1	WD			1/8	2	3								
	10																
	11																
	12		ONE-HAND RAIL-529B														
	13	k a^L	1	L													
	14	k f	1	L	2½	2½	5/16	9	2 15/16	R1							
	15	k h	1	L	2½	2½	5/16	9	2 15/16								
	16	k k	2	L	2½	2½	5/16	1	6 1/16								
	17	k m	1	BR	3½		5/8	0	8½								
	18	k n	1	L	2½	2½	5/16	6	11 5/8	R1							
	19	k p	1	L	2½	2½	5/16	6	11 5/8								
	20	k t	1	BR	3½	R2	3 1/16	0	10								
	21	k w	1	L	3½	3½	3/8	4	3 15/16	R2							
	22	k ba	2	BR													
	23	k bb	2	BR													
	24	FW	1	WD		R1	1/4	3	6								
	25	BW	1	WD			1/8	4	0								
	26																
	27																
	28																
	29																
	30																
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APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW SEP 10 1970

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3" of Holes

			M19	NO.	DESCRIPTION	MARK	REMARKS
			1	1	HAND RAIL	529A	SUBLET FABR. SHIP DIRECT
			1	1	do	529B	

INST. **REQUIRED LIST**

MATERIAL : ASTM-A588
RIVETS OR BOLTS : NONE
OPEN HOLES : 13/16"ϕ
A325 FIELD BOLTS : NONE
SHOP CONTACT SURFACES : NO PAINT
PAINT : ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
R2	9/1	JAO
R1	4/17	JAO

REVISION

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

HAND RAILING FOR CATWALK @ L15'

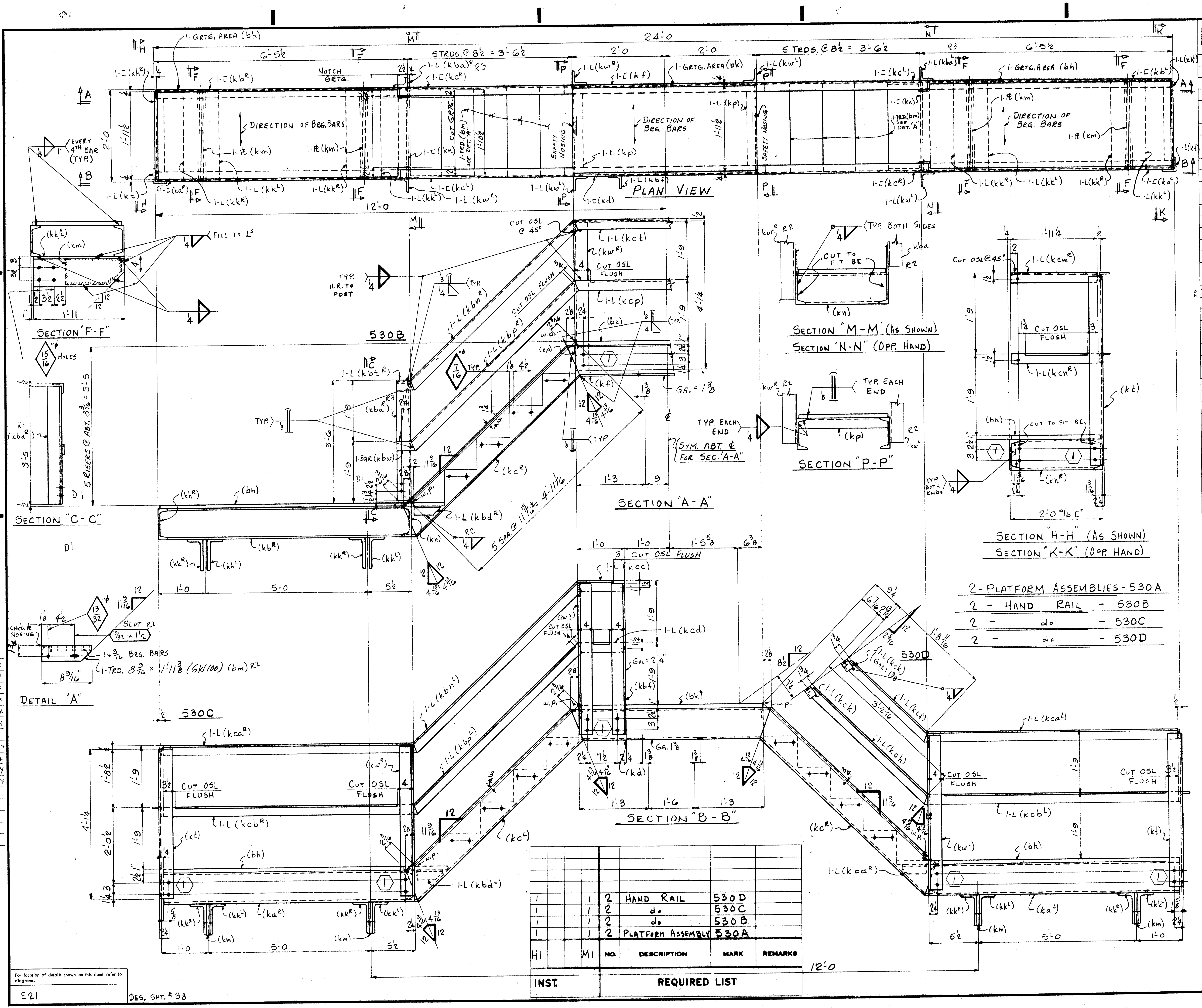
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95 1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JAO DATE 12/9/69 IN CHARGE L.G.
CHECKED BY HKT DATE 12-22-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 529

35453 (Rev.D 8-69)

121-180



PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT.	MILL ORDER LENGTH IN	MILL ORDER STOCK	MILL ORDER ITEM PAGE	MILL ORDER ITEM LINE
	1		2 - PLATFORM ASSEMBLIES - 530A														
	2	k a^{R}_{L}	2/2	C	8	13.75		6	6 5/16								
	3	k b^{R}_{L}	2/2	C	8	13.75		6	6 5/16								
	4	k c^{R}_{L}	4/4	C	8	13.75		5	2 1/4								
	5	k d	2	C	8	13.75		4	4 1/4								
	6	k f	2	C	8	13.75		4	4 1/4								
	7	k h^{R}_{L}	2/2	C	8	13.75		1	11 3/8								
	8	k k^{R}_{L}	8/8	L	8	4	1/2	1	11								
	9	k m	8	PL	7 1/2		7/8	1	3 1/4								
	10	k n k p	4 4	C L	8 2 1/2	13.75 2 1/2	 5/16	1 1	11 3/8 11 3/8								
	11	k bd^{R}_{L}	4/4	L	2 1/2	2 1/2	5/16	0	7 1/2								
	12	bh	4	M	GRTG. AREA	23 1/2	1	7	1 3/4	ASTM-A36 1 × 3/16 BB GALV.							
	13	bk	2	M	GRTG. AREA	23 1/2	1	4	0	ASTM-A36 1 × 3/16 BB GALV. (SAFETY NOS. 2E.)							
	14	bm	16	M	GRTG. TREADS	8 9/16	1	1	11 3/8	ASTM-A36 1 × 3/16 BB GALV. SAFETY NOS.							
	15	FW	2	WD			1/4	38	8								
	16	BW	2	WD			1/8	30	0								
	17	B455	2	WD			1/4	1	7								
	18		64	M	MACH. BOLTS	3/8		0	1 1/4	ASTM-A307 HH & N							
	19		2 - HAND RAILS - 530B														
	20	k w^{R}_{L}	2/2	L	3 1/2	3 1/2	3/8	4	1 1/4								
R3	21	k ba^{R}_{L}	2/2	L	3 1/2	3 1/2	3/8	3	5								
	22	k bn^{R}_{L}	2/2	L	2 1/2	2 1/2	5/16	5	0 1/16								
	23	k bp^{R}_{L}	2/2	L	2 1/2	2 1/2	5/16	5	0 1/16								
	24	k bt^{R}_{L}	2/2	L	2 1/2	2 1/2	5/16	0	4 1/2								
	25	k bw	4	BR	2 1/2		5/16	0	4 1/2								
	26	k cp	2	L	2 1/2	2 1/2	5/16	4	0								
	27	k ct	2	L	2 1/2	2 1/2	5/16	4	0								
	28																
	29	BW	2	WD			1/8	4	0								
	30	B455	2	WD			1/4	1	8								
	31	FW	2	WD			1/4	4	8								
	32																
	33		2 - HAND RAILS - 530C														
	34	k t	2	L	3 1/2	3 1/2	3/8	4	1 1/4								
	35	k w^{R}_{L}	2/2	L													
	36	k bf	2	L	3 1/2	3 1/2	3/8	4	1 1/4								
	37	k bnL	2	L													
	38	k bpL	2	L													
	39	k ca^{R}	2	L	2 1/2	2 1/2	5/16	6	6								
	40	k cb^{R}	2	L	2 1/2	2 1/2	5/16	6	6								
	41	k cc	2	L	2 1/2	2 1/2	5/16	1	0								
	42	k cd	2	L	2 1/2	2 1/2	5/16	1	0								
	43	k cm^{R}	2	L	2 1/2	2 1/2	5/16	1	1 1/4								
	44	k cn^{R}	2	L	2 1/2	2 1/2	5/16	1	1 1/4								
	45	FW	2	WD			1/4	6	4								
	46	BW	2	WD			1/8	2	0								
	47	B455	2	WD			1/4	0	5								
	48																
	49																
	50		2 - HAND RAILS - 530D														
	51	k t	2	L													
	52	k w^{L}	2	L													
	53	k ca^{L}	2	L													
	54	k cb^{L}	2	L													
	55	k cf	2	L	2 1/2	2 1/2	5/16	1	9								
	56	k ch	2	L	2 1/2	2 1/2	5/16	3	2 1/2								
	57	k ck	4	L	2 1/2	2 1/2	5/16	0	2 1/2								
	58	k cm^{L}	2	L													
	59	k cn^{L}	2	L													
	60	FW	2	WD			1/4	4	0								
	61	BW	2	WD			1/8	1	0								
	62	B455	2	WD			1/4	0	2 1/2								

APPROVED.
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW SEP 10 1970

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3' of Holes

HAND RAIL & PLATFORM ASSEMBLAGE @ L0 & L0'

1			1	2	HAND RAIL	530D	
1			1	2	do	530C	
1			1	2	do	530B	
1			1	2	PLATFORM ASSEMBLY	530A	
H1			M1	NO.	DESCRIPTION	MARK	REMARKS
INST.				REQUIRED LIST			

MATERIAL: ASTM-A588 U.N.
RIVETS OR BOLTS: 3/8"ϕ
OPEN HOLES: 13/16"ϕ U.N.
A325 FIELD BOLTS: NONE
SHOP CONTACT SURFACES: NO PAINT
PAINT: ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
R3	8/26	JRO
R2	4/1	JRO
D1	2/3	JRO

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 JRO DATE 12/15/69 IN CHARGE L.G.
CHECKED BY HKT DATE 12-22-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 530

35453 (Rev.D 8-69)

121-181

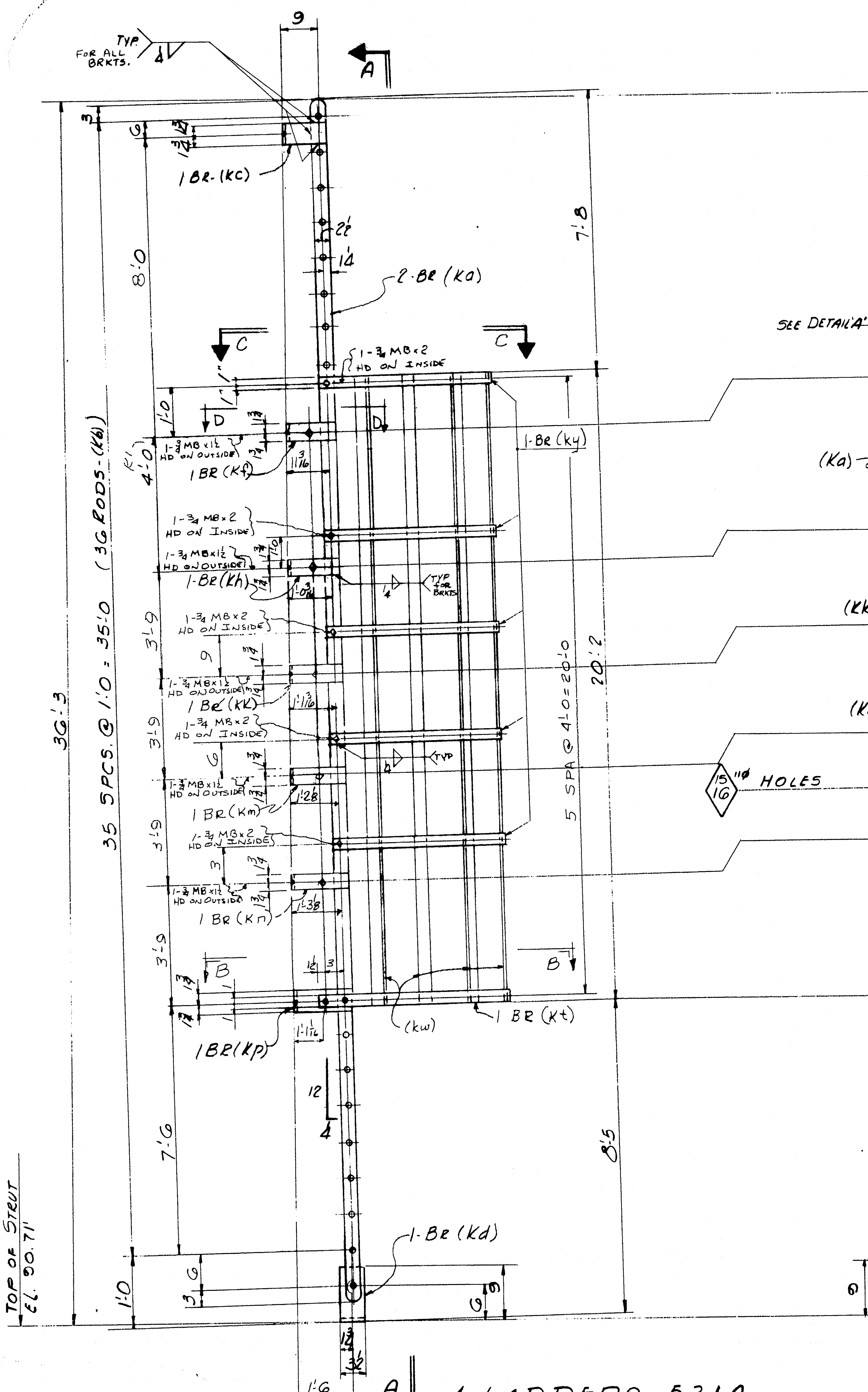
1

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

E21

DES. SHT. #38

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

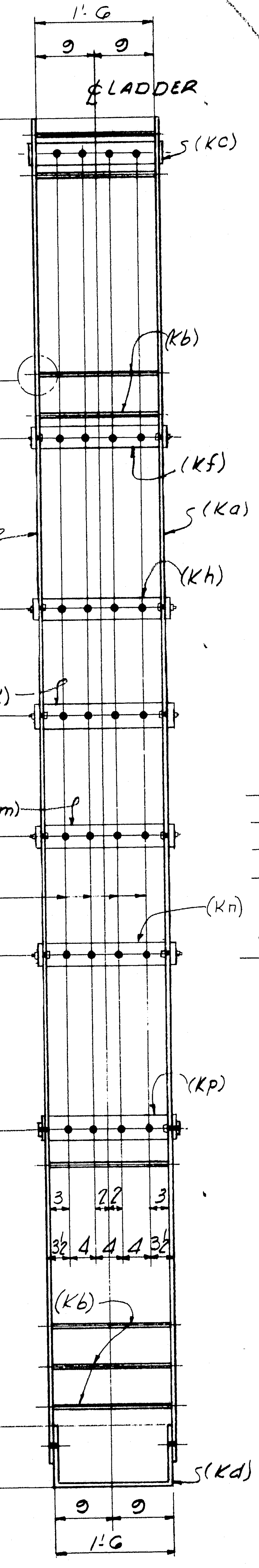


4-LADDERS-531A

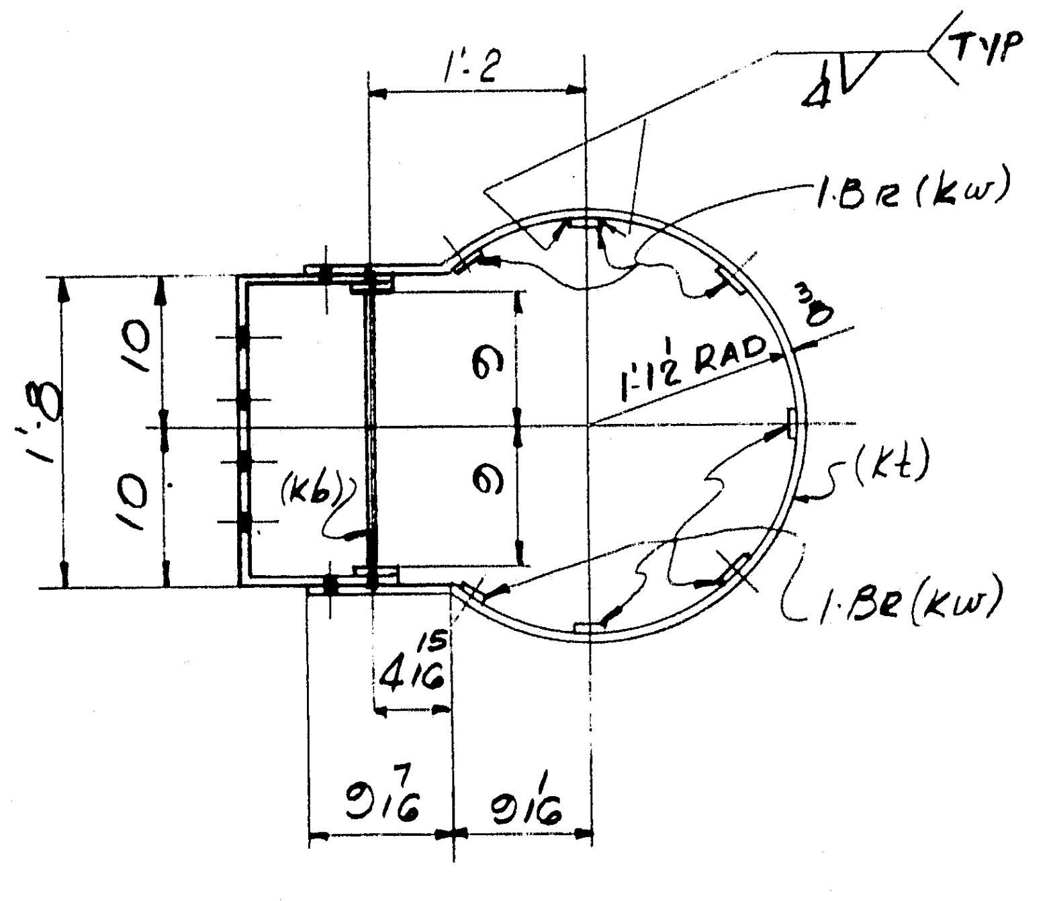
DES. SHT. 39

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

E21 & E24



SECTION "A-A"



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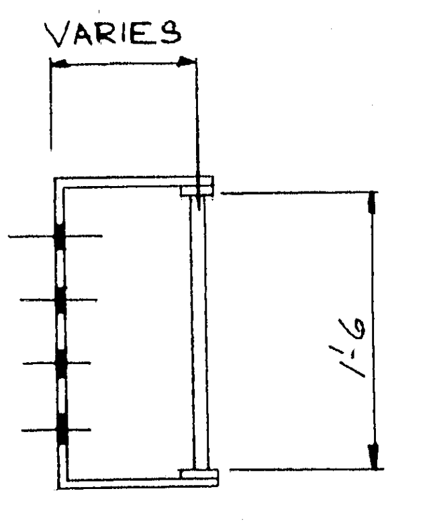
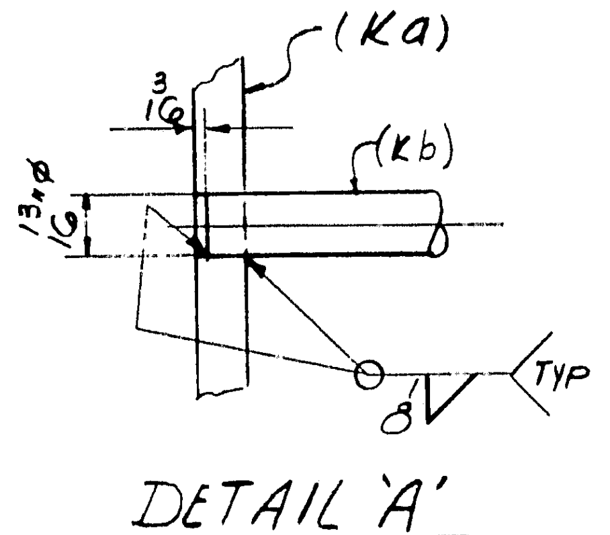
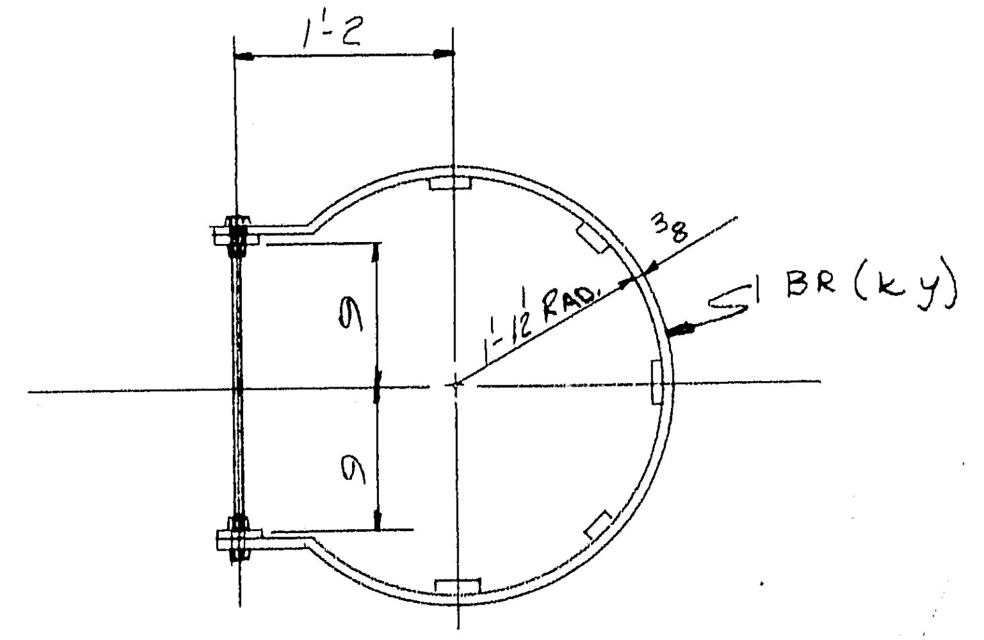


SECTION "D-D"
TYP. AT CONN.



DETAIL "A"
(ENLARGED)



SECTION "C-C"

SDz

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT	MILL ORDER LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1																
	2																
	3																
	4		4	LADDERS	-				531A								
	5																
	6	K a	8	BR	2 1/2		1/2	36	0								
	7	K b	144	RD	3/4"φ			1	6 5/8								
	8	K c	4	BR	3 1/2		1/2	3	3 1/2	BENT							
	9	K d	4	BR	3 1/2		1/2	2	11	BENT							
	10	K f	4	BR	3 1/2		1/2	3	7 1/2	BENT							
	11	K h	4	BR	3 1/2		1/2	3	8 1/2	BENT							
	12	K k	4	BR	3 1/2		1/2	3	9 1/2	BENT							
	13	K m	4	BR	3 1/2		1/2	3	10 1/2	BENT							
	14	K n	4	BR	3 1/2		1/2	3	11 1/2	BENT							
	15	K p	4	BR	3 1/2		1/2	4	0 1/2	BENT							
Dz	16	K t	4	BR	2		3/8	6	11	BENT							
	17	K w	28	BR	2		3/8	20	2								
	18		48	M	H.S. BOLTS	3/4"φ		0	2 1/4	ASTM-A325 HH&N w/ 1 HRD. W.							
	19		48	M	H.S. BOLTS	3/4"φ		0	2 3/4	do							
Dz	20	K y	20	BR	2		3/8	6	4 1/2	BENT							
	21		40	MB	3/4			0	2	RHH & RHN							
Dz	22	F.W	4	WD	1/4			44	6								
	23	F.W	4	WD	5/16			27	0								
Dz	24		40	MB	3/4			0	1 1/2	RHH & RHN							
	25																
	26																
	27																
	28																
	29																
	30																
	31																
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	57																
	58																
	59																
	60																
	61																
	62																

Open Holes are for High Strength Structural Bolts Unless Noted A NO PAINT within 3" of Holes for High Strength Structural Bolts

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW NOV 23 1970

	2	2	4 LADDERS	531A	SUBLET FABR. SHIP DIRECT	
	M7	H7	NO.	DESCRIPTION	MARK	REMARKS
INST.			REQUIRED LIST			

MATERIAL ASTM-A588 U.N.
RIVETS OR BOLTS 3/4φ
OPEN HOLES 13/16"φ U.N.
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES NO PAINT
PAINT ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	11/3	LG
D1	8/26	JHO

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

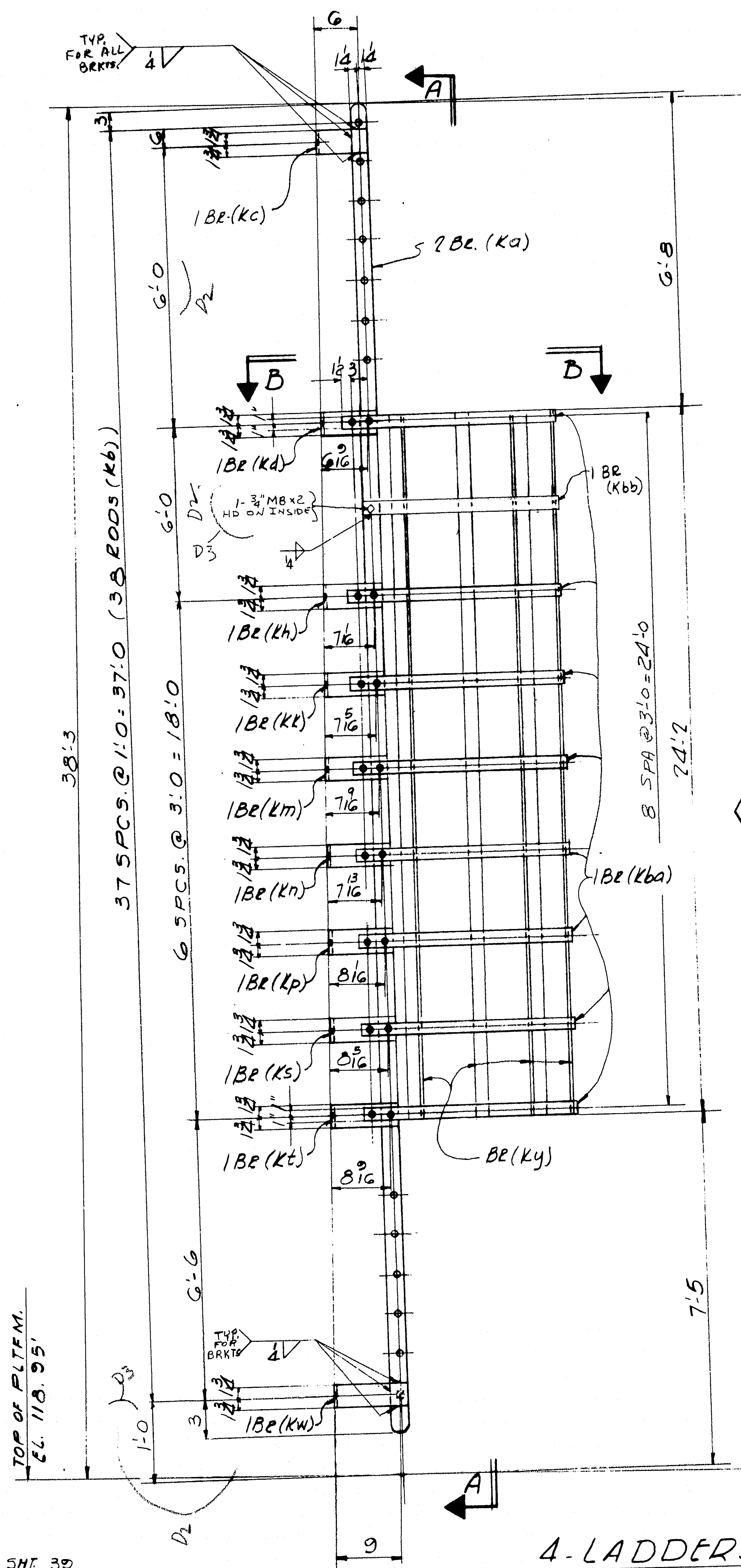
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY R.S.O. DATE 12-13-69 IN CHARGE L.G.
CHECKED BY H.K.T. DATE 12-22-69 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 531

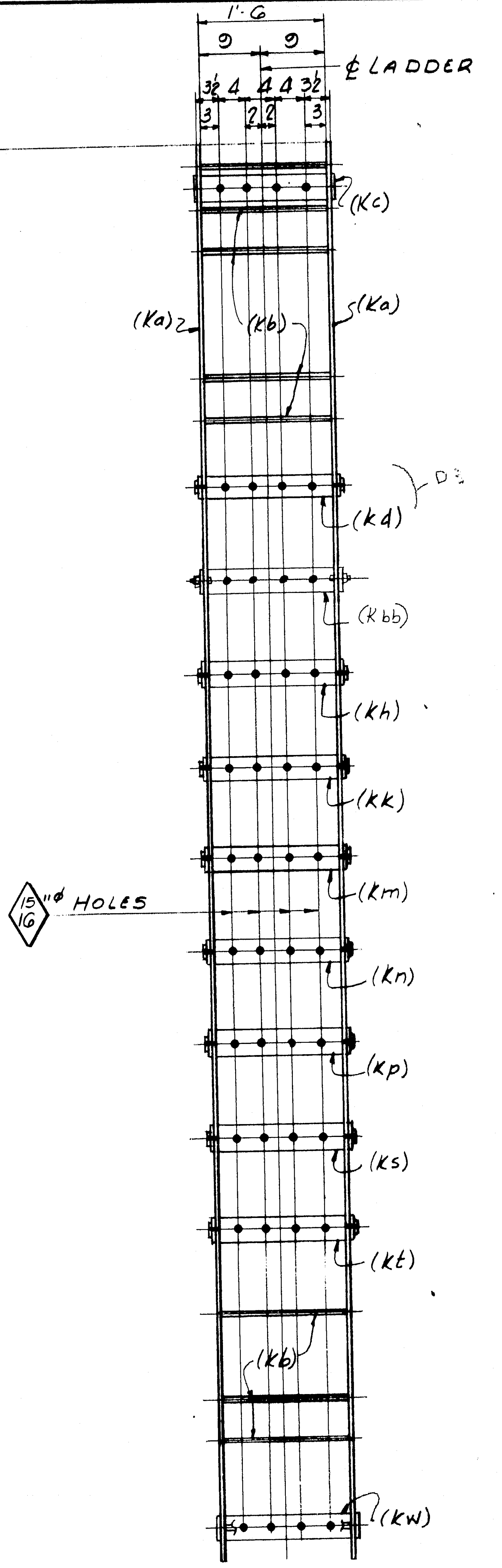
35453 (Rev.D 8-69)

121-182

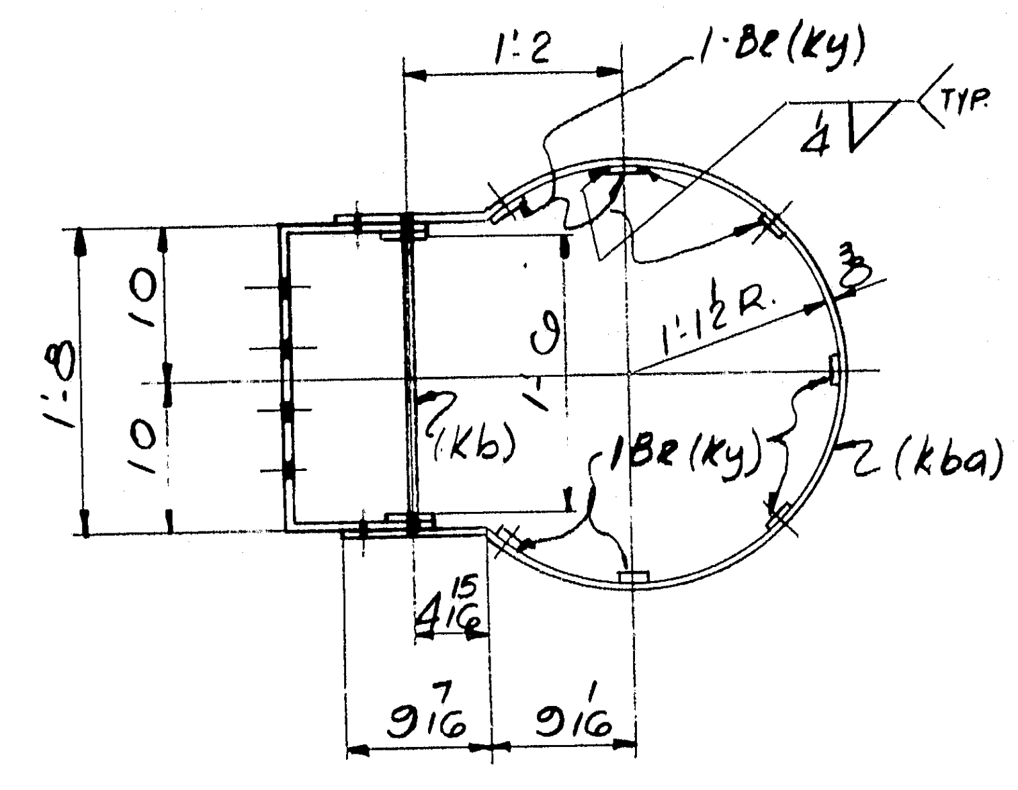
0 1 2 3 4 5 6



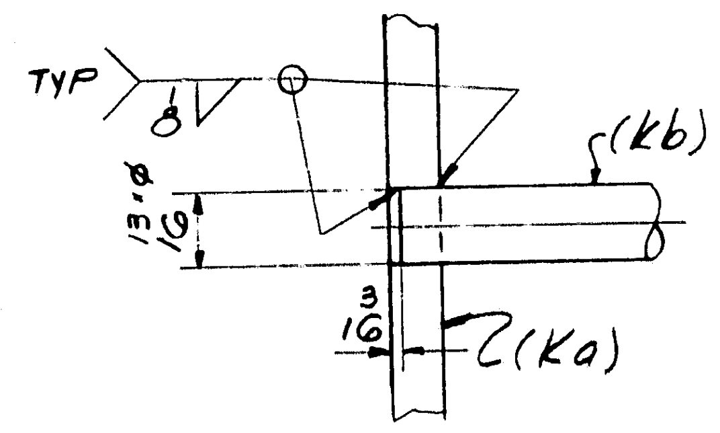
4-LADDERS-532A



SECTION "A-A"



SECTION "B-B"



DETAIL 'A'

	a	b	c
a	/	/	
b	/		
c	/		
d	/		
f	/		
[illegible]			
h	/		
k	/		
m	/		
n	/		
p	/		
s	/		
t	/		
w	/		
y	/		

DES. SHT. 39

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

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	MILL ORDER THICK	MILL ORDER LENGTH FT	MILL ORDER LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1																
	2																
	3	4- LADDERS - 532A															
	4																
	5																
	6	K a	8	Br	2½		½	37	6								
	7	K b	152	RD	¾"φ			1	6⅝								
	8	K c	4	Br	3½		½	2	9½	BENT							
	9	K d	4	Br	3½		½	2	10⅝	BENT							
D2(	10																
	11	K h	4	Br	3½		½	2	11⅝	BENT							
	12	K k	4	Br	3½		½	3	0⅛	BENT							
	13	K m	4	Br	3½		½	3	0⅝	BENT							
	14	K n	4	Br	3½		½	3	1⅛	BENT							
	15	K p	4	Br	3½		½	3	1⅝	BENT							
	16	K s	4	Br	3½		½	3	2⅛	BENT							
	17	K t	4	Br	3½		½	3	3⅛	BENT							
	18	K w	4	Br	3½		½	3	3½	BENT							
	19	K y	28	Br	2		⅜	24	2								
D2(	20	K ba	32	Br	2		⅜	6	11	BENT							
	21		72	M	H.S. BOLTS	¾"φ		0	2¼	ASTM-A325 HH&N W/1 HRD. W.							
	22		72	M	H.S. BOLTS	¾"φ		0	2¾	do							
D3	23	K bb	4	BR	2		¾	6	4½	BENT							
	24	FW	4	WD	¼			38	6								
	25	FW	4	WD	⅛			28	6								
D3	26		8	MB	¾			0	2	RHH&RHN							
	27																
	28																
	29																
	30																
	31																
	32																
	33																
	34																
	35																
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	58																
	59																
	60																
	61																
	62																

Open Holes are for High Strength
Structural [illegible] Unless Noted A
NO PA[illegible] within 3" of Holes for
High [illegible] Structural Bolts

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

LADDER AT U7

				NO.	DESCRIPTION	MARK	REMARKS
							SUBLET
							FABR.
							SHIP
		2	2	4	LADDERS	532A	DIRECT
		M7	H7	NO.	DESCRIPTION	MARK	REMARKS

INST.

REQUIRED LIST

MATERIAL ASTM A588 U.N.
RIVETS OR BOLTS ¾φ
OPEN HOLES 13/16"φ U.N.
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES NO PAINT
PAINT ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
D3	11/3	LG
D2	9/1	LG
R1	8/26	JHO

REVISION

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

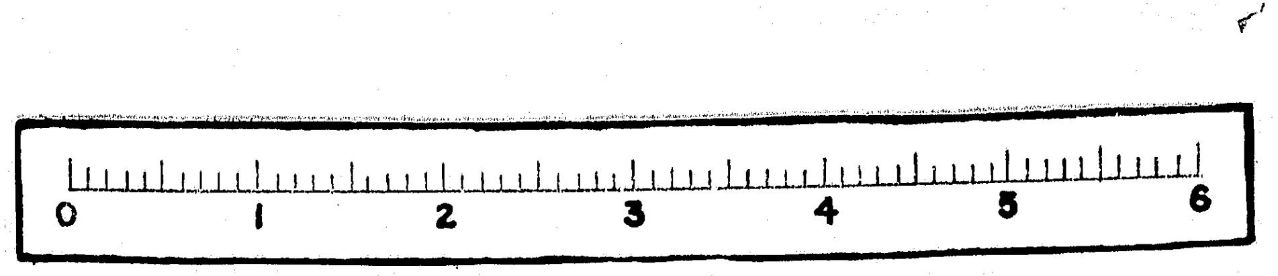
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

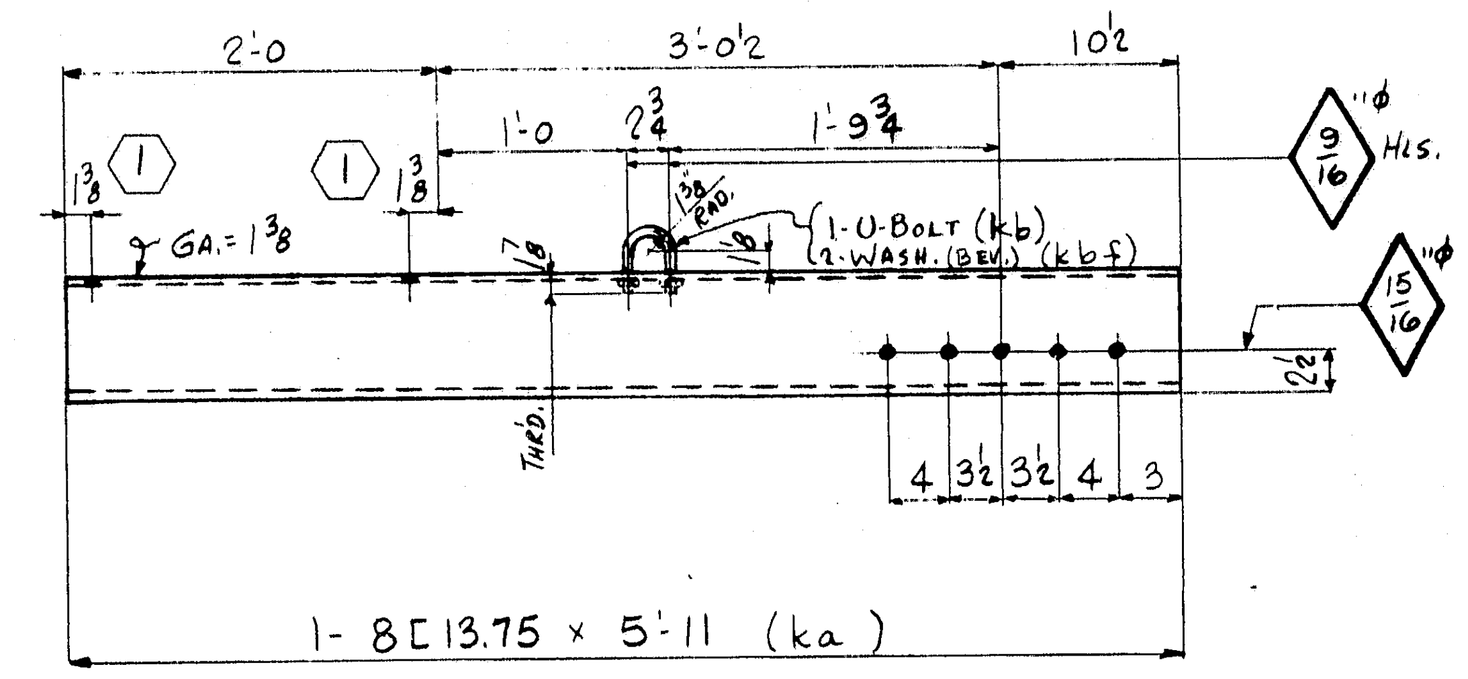
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RBO DATE 12-16-69 IN CHARGE L.G
CHECKED BY HKT DATE 12-22-69 SHOP NO.
CONTRACT CG 6280-090 DRAWING NO. 532

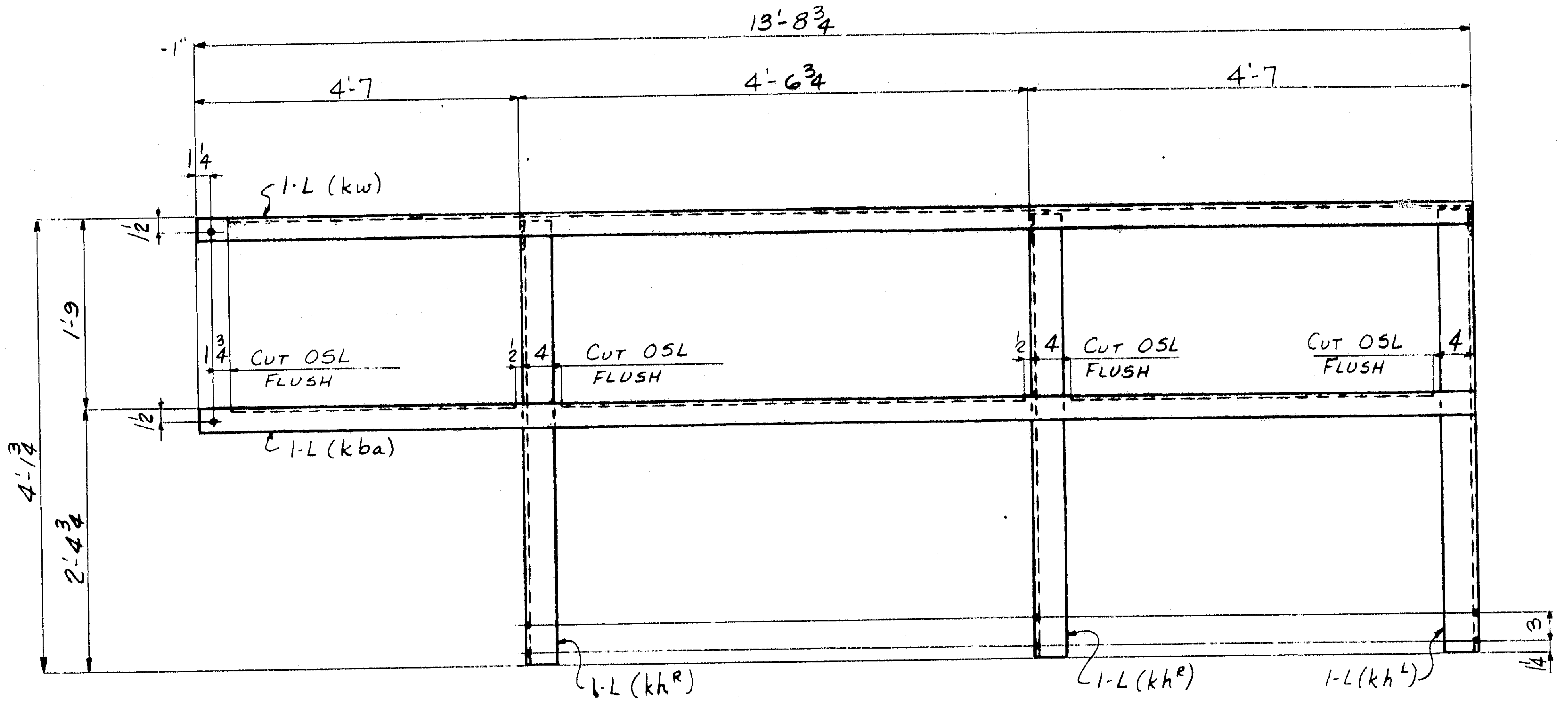
35453 (Rev.D 8-69)

121-183

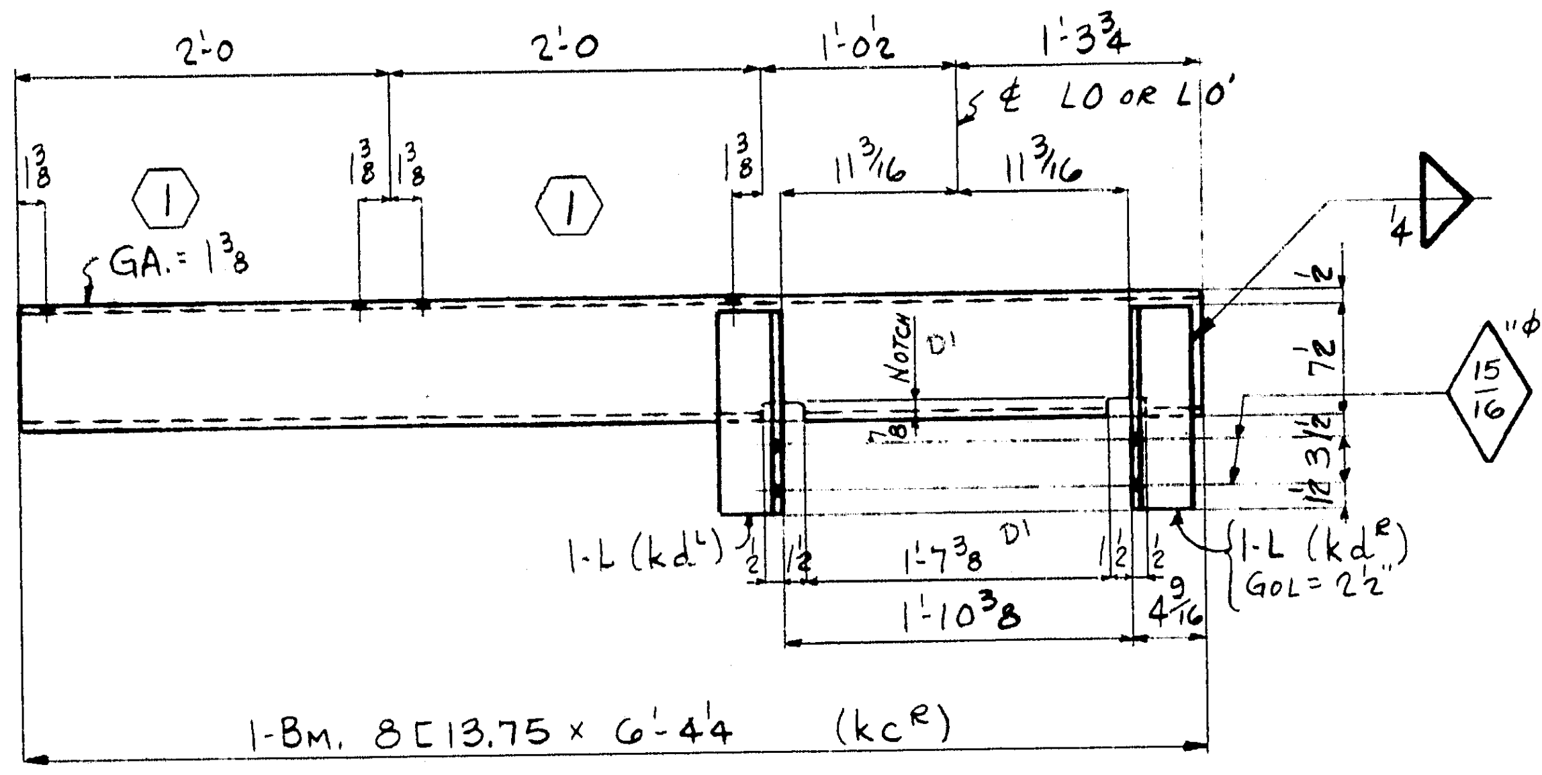




8- BRACKETS - 533A

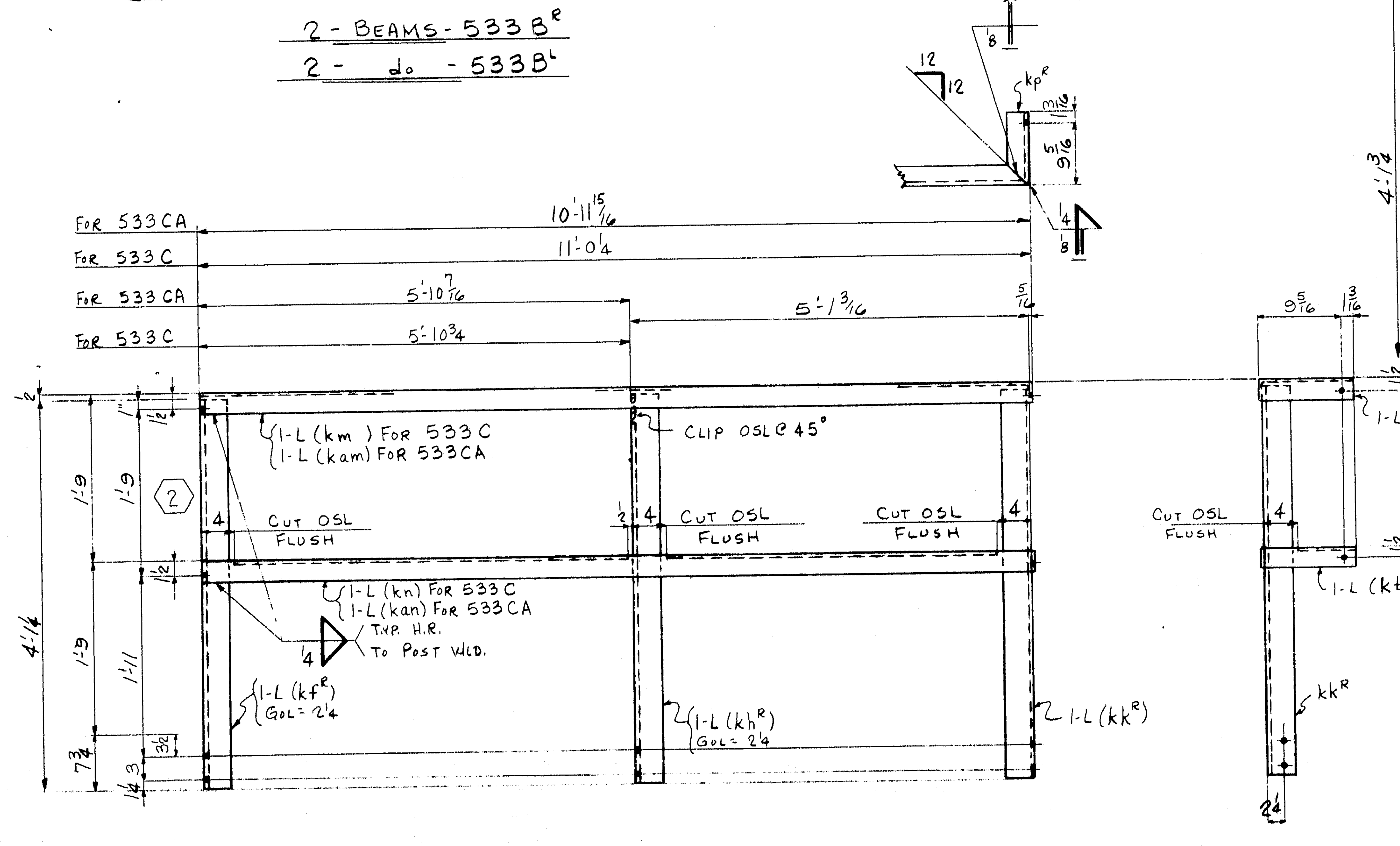


ONE- HAND RAIL - 533D



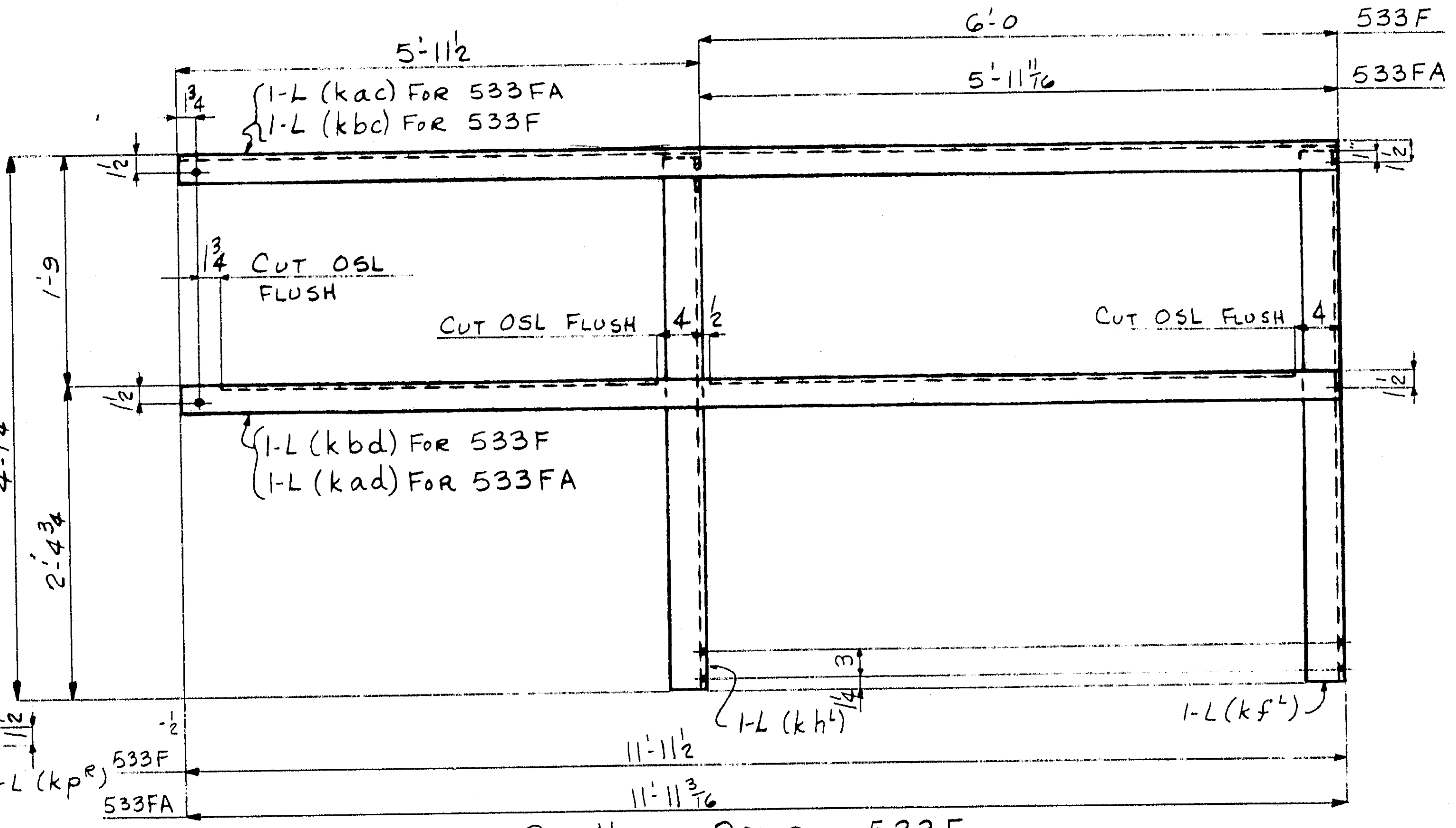
2 - BEAMS - 533B^{R}

2 - do - 533B^{L}



2 - HAND RAILS - 533C

2 - do - 533CA (OPP. HAND)



2 - HAND RAILS - 533F

2 - do - 533FA (OPP. HAND)

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

SHOP BILL | MILL ORDER

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	WIDTH	THICK	LENGTH FT.	LENGTH IN.	STOCK	ITEM PAGE	ITEM LINE
	1		8 - BRACKETS - 533A														
	2	k a	8	C	8	13.75		5	11								
	3	k b	8	M	U-BOLT		½"ϕ	0	10½	THRD. 2 ENDS (GALV) w/2 HEX. NUTS							
	4	k bf	16	M	BEV. WASHERS FOR ½"ϕ BOLTS					(2-12 BM.)							
	5																
	6																
	7		2 - BEAMS - 533B^{R}														
	8		2 - do - 533B^{L}														
	9	k c$^{R}_{L}$	2/2	C	8	13.75		6	4¼								
	10	k d$^{R}_{L}$	4/4	L	4	4	½	1	1½								
	11	FW	4	WD			¼	2	6								
	12																
	13																
	14																
	15																
	16		2 - HAND RAILS - 533C														
	17		2 - do - 533CA														
	18	k f$^{R}_{L}$	2/2	L	3½	3½	⅜	4	1¼	FOR 533C / FOR 533CA							
	19	k h$^{R}_{L}$	2/2	L	3½	3½	⅜	4	1¼	FOR 533C / FOR 533CA							
	20	k k$^{R}_{L}$	2/2	L	3½	3½	⅜	4	1¼	FOR 533C / FOR 533CA							
	21	k m	2	L	2½	2½	5/16	11	0¼	FOR 533C							
	22	k n	2	L	2½	2½	5/16	10	11 15/16								
	23	k p$^{R}_{L}$	2/2	L	2½	2½	5/16	0	10½	FOR 533C / FOR 533CA							
	24	k t$^{R}_{L}$	2/2	L	2½	2½	5/16	0	10 3/16	FOR 533C / FOR 533CA							
	25	k am	2	L	2½	2½	5/16	10	11 15/16	FOR 533CA							
	26	k an	2	L	2½	2½	5/16	10	11⅝								
	27	FW	4	WD			¼	4	8								
	28	BW	4	WD			⅛		10								
	29	D1	ONE - HAND RAIL - 533D														
	30	k h^{R}	2	L													
	31	k h^{L}	1	L													
	32	k w	1	L	2½	2½	5/16	13	8¾								
	33	k ba	1	L	2½	2½	5/16	13	8¾								
	34																
	35	FW	1	WD			¼	4	8								
	36																
	37																
	38																
	39		2 - HAND RAILS - 533F														
	40		2 - do - 533FA														
	41	k f$^{R}_{L}$	2/2	L						FOR 533FA / FOR 533F							
	42	k h$^{R}_{L}$	2/2	L						FOR 533FA / FOR 533F							
	43	k bc	2	L	2½	2½	5/16	11	11½	FOR 533F							
	44	k bd	2	L	2½	2½	5/16	11	11½								
	45	k ac	2	L	2½	2½	5/16	11	11 3/16	FOR 533FA							
	46	k ad	2	L	2½	2½	5/16	11	11 3/16								
	47	FW	4	WD			¼	2	4								
	48																
	49																
	50																
	51																
	52																
	53																
	54																
	55																
	56																
	57																
	58																
	59																
	60																
	61																
	62																

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

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3" of Holes

HAND RAIL AT STRUT "O" & "O'"

H1			M1	NO.	DESCRIPTION	MARK	REMARKS
1			1	2	HAND RAILS	533F	
1			1	2	do	533FA	
1			D1	1	do	533D	SUBLET
1			1	2	do	533CA	FABR.
1			1	2	do	533C	SHIP
1			1	2	BEAMS	533B^{L}	DIRECT
1			1	2	BEAMS	533B^{R}	
4			4	8	BRACKETS	533A	

INST. | REQUIRED LIST

MATERIAL: ASTM-A588
RIVETS OR BOLTS: NONE
OPEN HOLES: 13/16"ϕ U.N.
A325 FIELD BOLTS: NONE
SHOP CONTACT SURFACES: NO PAINT

PAINT: ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	4-20	[illegible]
D1	2/11/70	JRO

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 JRO DATE 12/19/69 IN CHARGE L.G.
CHECKED BY HKT DATE 1-16-70 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 533

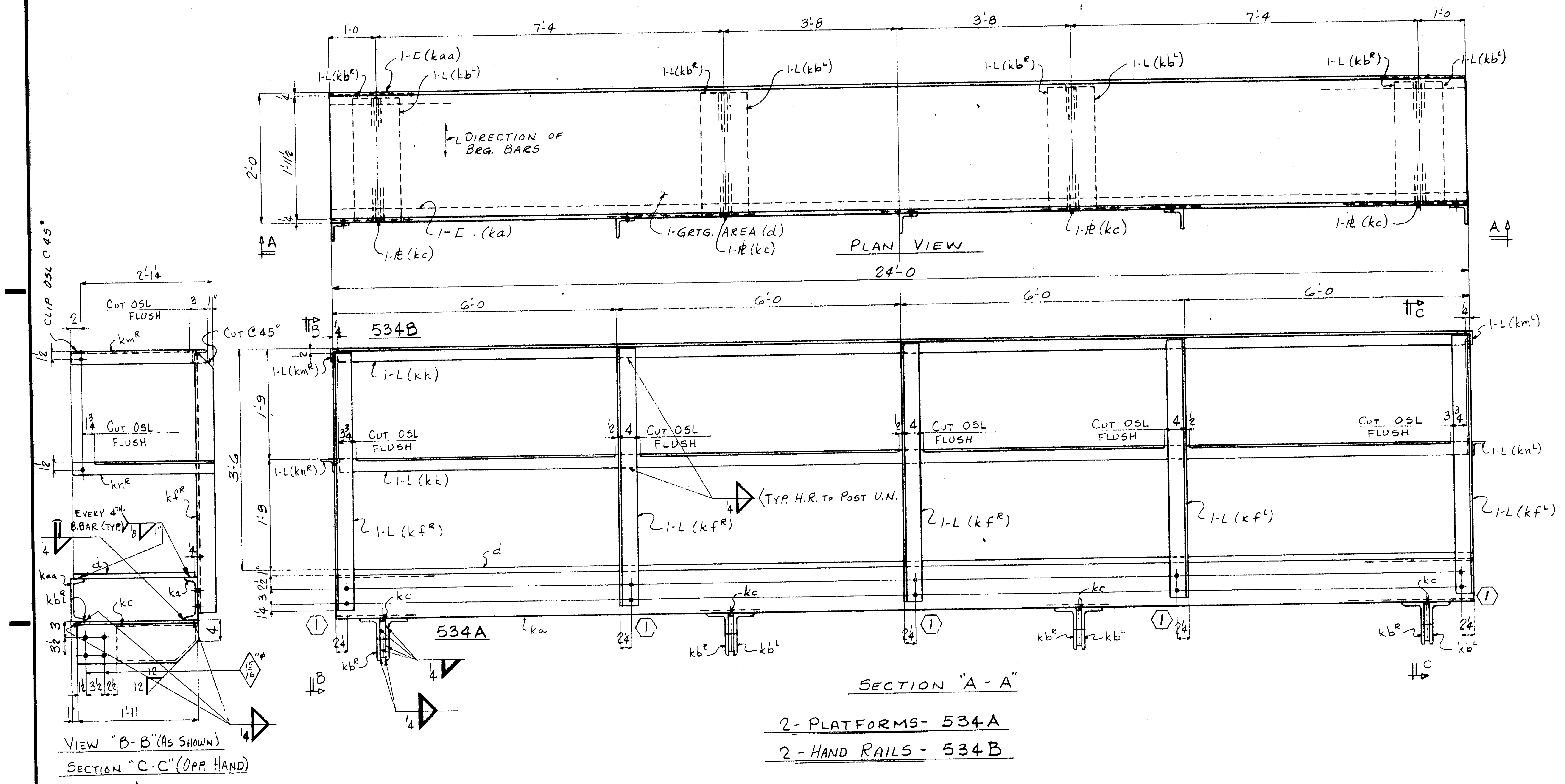
35453 (Rev.D 8-69)

121-184

For location of details shown on this sheet refer to diagrams.
E21 & E25

DES. SHT. 38

0 1 2 3 4 5 6



SECTION "A-A"

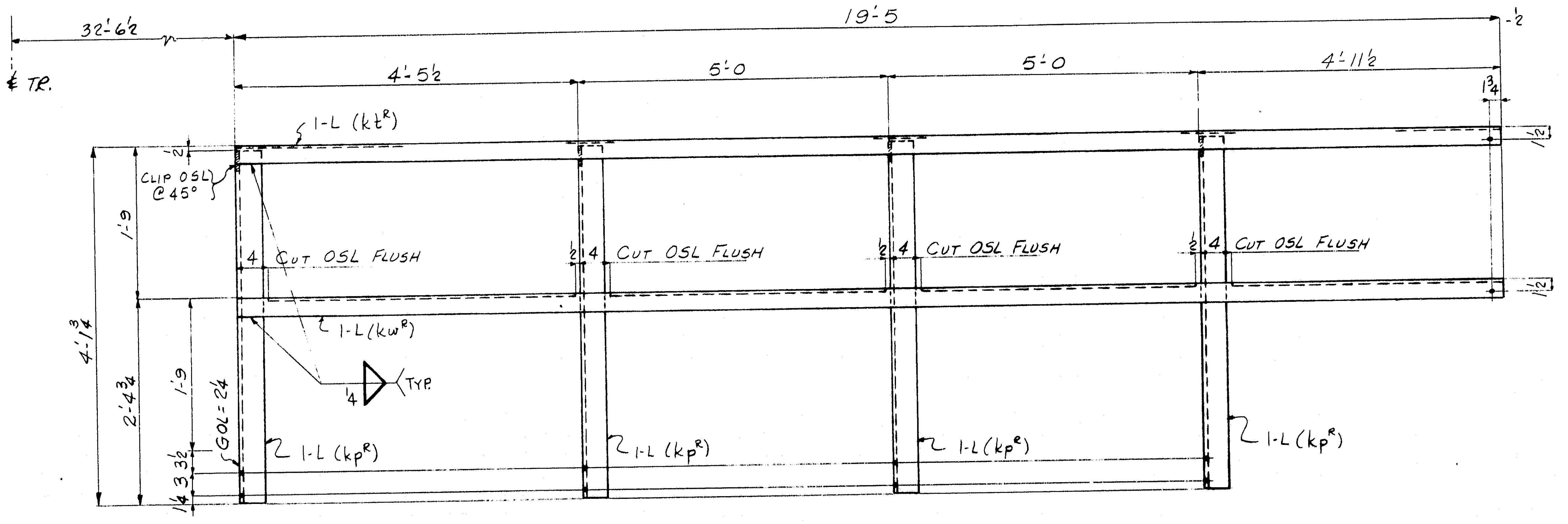
PLAN VIEW

2 - PLATFORMS - 534A

2 - HAND RAILS - 534B

VIEW "B-B" (AS SHOWN)

SECTION "C-C" (OPP. HAND)



2 - HAND RAILS - 534Cᴿ

2 - do - 534Cᴸ

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

details shown on this sheet refer to

5

-38

SHOP BILL

LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS
1		2 - PLATFORMS - 534A							
2	k a	2	C	8	13.75		24	0	
3	k bᴿᴸ	8/8	L	8	4	½	1	11	
4	k c	8	PL	7½		⅞	1	3¼	
5	k aa	2	C	8	13.75		24	0	
6	d	2	M	GRTG. AREA	23½ ×	1 ×	24	0	ASTM-A36 GALV. (1×3/16 B.Bars)
7	FW	2	WD			⅛	22	8	
8	FW	2	WD			¼	36	8	
9									
10									
11		2 - HAND RAILS - 534B							
12	k fᴿᴸ	6/4	L	3½	3½	⅜	4	1¼	
13	k h	2	L	2½	2½	5/16	23	11½	
14	k k	2	L	2½	2½	5/16	23	11½	
15	k mᴿᴸ	2/2	L	2½	2½	5/16	2	2¼	
16	k nᴿᴸ	2/2	L	2½	2½	5/16	2	3¼	
17	FW	2	WD			¼	7	4	
18									
19									
20									
21		4 - HAND RAILS - 534C R-2 L-2							
22	k pᴿᴸ	8/8	L	3½	3½	⅜	4	1¼	
23	k tᴿᴸ	2/2	L	2½	2½	5/16	19	5	
24	k wᴿᴸ	2/2	L	2½	2½	5/16	19	5	
25	FW	4	WD			¼	4	8	

MILL ORDER: WIDTH, THICK, LENGTH FT IN, STOCK, ITEM PAGE LINE

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

Open Holes are for High Strength Structural Bolts. NO PAINT within 5" of Holes

HAND RAIL @ LO & LO'

INST.				NO.	DESCRIPTION	MARK	REMARKS
1			1	2	HAND RAILS	534Cᴸ	SUBLET FABR. SHIP DIRECT
1			1	2	HAND RAILS	534Cᴿ	
1			1	2	HAND RAILS	534B	
1			1	2	PLATFORMS	534A	
H1			M1				

REQUIRED LIST

MATERIAL: ASTM-A588 U.N.
RIVETS OR BOLTS: NONE
OPEN HOLES: 13/16"ϕ U.N.
A325 FIELD BOLTS: NONE
SHOP CONTACT SURFACES: NO PAINT
PAINT: ONE SHOP COAT

REVISION: NO. DATE INIT.

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

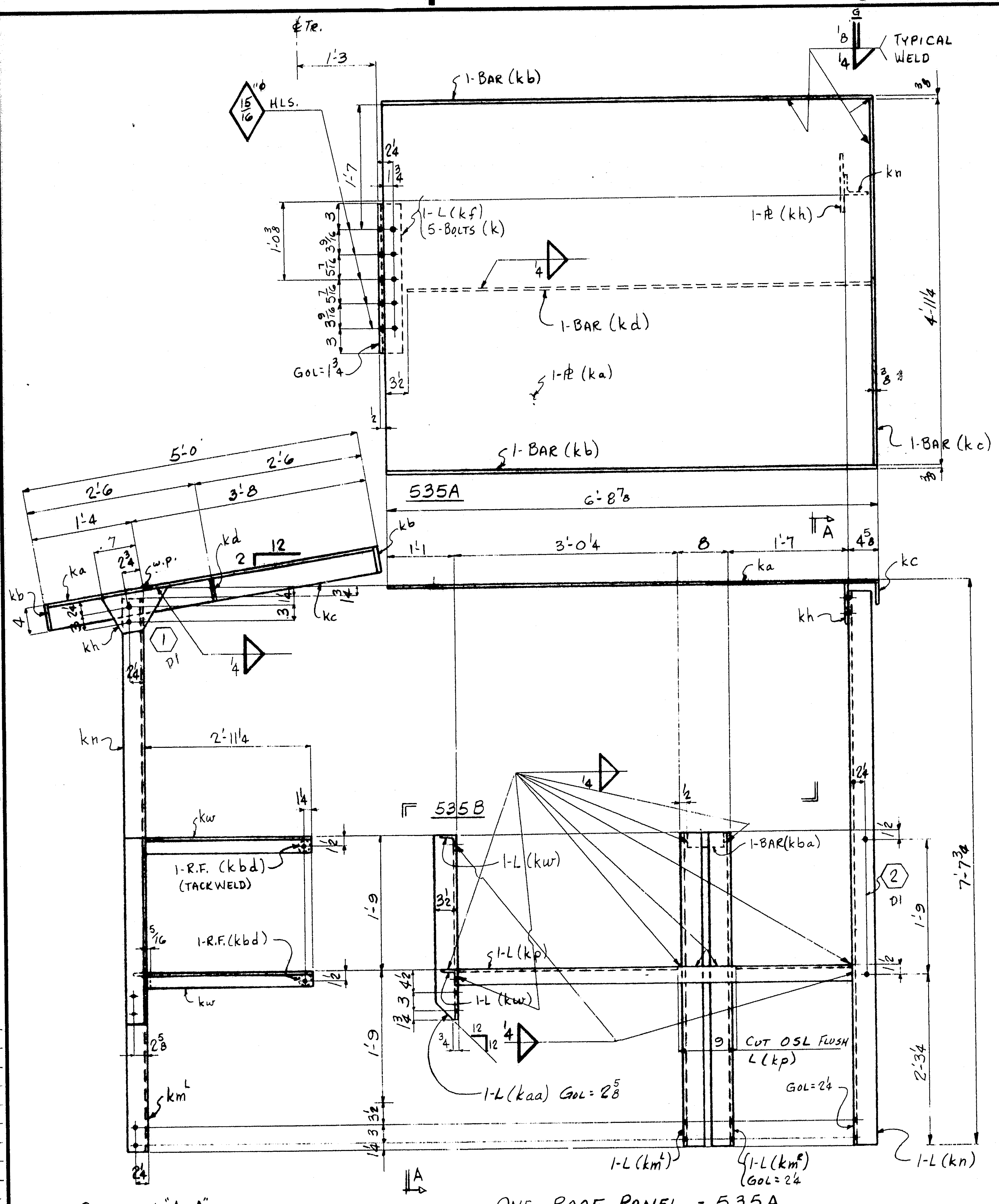
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JHO DATE 12/19/69 IN CHARGE L.G.
CHECKED BY DATE 1-19-70 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 534

35453 (Rev.D 8-69)

121-185

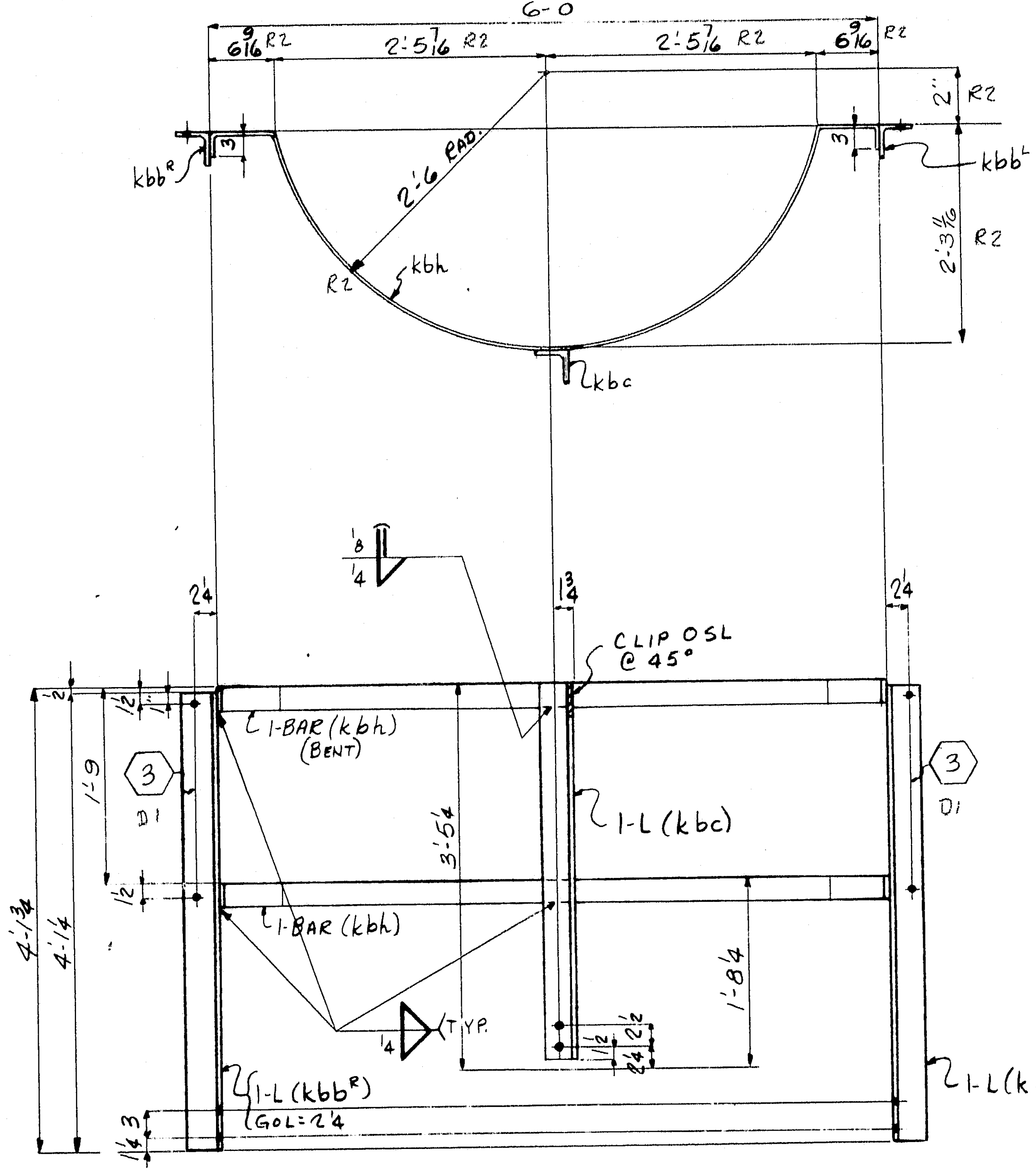
0 1 2 3 4 5 6



SECTION "A-A"

ONE - ROOF PANEL - 535A

ONE - SUPPORT - 535B



2 - HAND RAILS - 535C

Product Type	Line	Assembly Mark	No.	Shape	Section Size	Section Size or Pounds	Section Thick	Length Ft.	Length In.	Remarks	Mill Order Width	Mill Order Thick	Mill Order Length Ft.	Mill Order Length In.	Mill Order Stock	Item Page	Item Line
	1	One - Roof Panel - 535A															
	2	k a	1	PL	59 1/4		3/8	6	8 1/2								
	3	k b	2	BR	4		3/8	6	8 7/8								
	4	k c	1	BR	4		3/8	4	11 1/4								
	5	k d	1	BR	3 1/2		3/8	6	5								
	6	k f	1	L	3 1/2	3 1/2	3/8	2	0								
	7	k h	1	PL	6 1/2		3/8	0	11								
	8	k	5	M	H.S. Bolts	7/8"⌀		0	2 1/4	ASTM-A325 HH&N w/ 1 Hrd Wash.							
	9	FW	1	WD			1/4	32	8								
	10	BW	1	WD			1/8	18	2								
	11	D1					D1										
	12																
	13																
	14	D1															
	15	One - Elect. Panel Support - 535B															
	16	k m R/L	1/1	L	3 1/2	3 1/2	3/8	4	1 3/4								
	17	k n	1	L	3 1/2	3 1/2	3/8	7	6								
	18	k p	1	L	2 1/2	2 1/2	5/16	5	3 1/4								
	19	k bd	2	W	2 1/4	13/16	1/4			Ring Fills							
	20	k w	2	L	2 1/2	2 1/2	5/16	2	11 1/4								
	21	k ba	1	BR	2 1/2		3/8	0	7								
	22	k aa	1	L	4	3 1/2	3/8	2	6 1/4								
	23	FW	1	WD			1/4	6	2								
	24	D1					D1										
	25																
	26																
	27	2 - Hand Rails - 535C															
	28	k bb R/L	2/2	L	3 1/2	3 1/2	3/8	4	1 1/4								
	29	k bc	2	L	3 1/2	3 1/2	3/8	3	4 1/2								
	30																
	31								22								
	32	k bh	4	BR	2		5/16	8	11 3/4	Bent							
	33	FW	2	WD			1/4	3	0								
	34	BW	2	WD			1/8	0	3 1/2								
	35						D1										
	36																
	37																
	38																
	39																
	40																
	41																
	42																
	43																
	44																
	45																
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	54																
	55																
	56																
	57																
	58																
	59																
	60																
	61																
	62																

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

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
FFW APR 28 1970

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3' of Holes

H1			M1	No.	Description	Mark	Remarks
1			1	2	Hand Rails	535C	
1				1	Elect. Panel Supports	535B	
1				1	Roof Panels	535A	

INST. REQUIRED LIST

MATERIAL: ASTM-A588 U.N.
RIVETS OR BOLTS: None
OPEN HOLES: 13/16"⌀ U.N.
A325 FIELD BOLTS: As Noted
SHOP CONTACT SURFACES: No Paint
PAINT: One Shop Coat U.N.

No.	Date	Init.
0		
9		
8		
7		
6		
5		
4		
D3	6/19	LG
R2	4/1	JAO
U1	2/11/70	JAO

REVISION

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

ELECTRICAL PANEL SUPPORTS & MISC. H. RAIL @ LO & LO'

CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #6
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JAO DATE 12/23/69 IN CHARGE L.G.
CHECKED BY HKT DATE 1-19-70 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 535

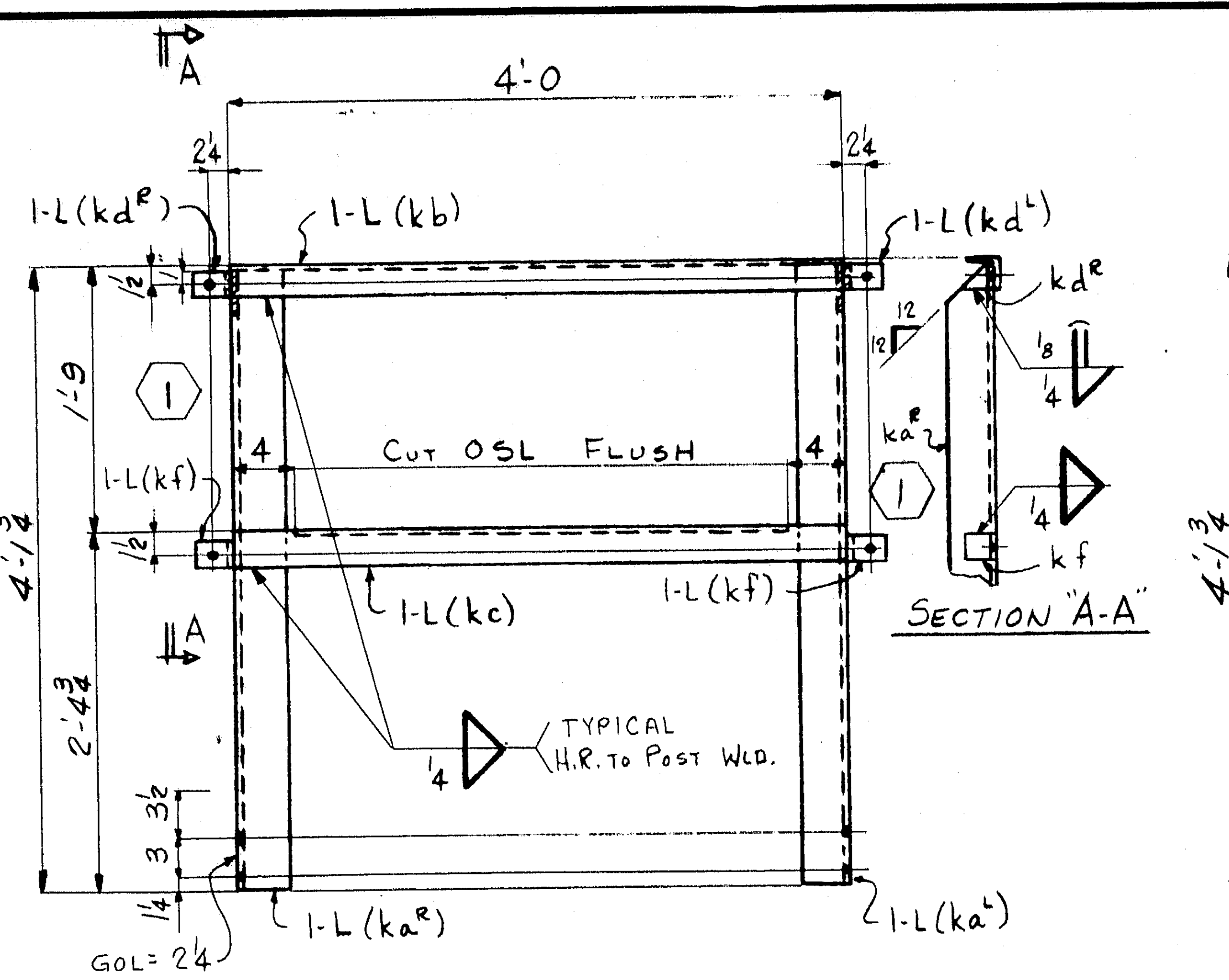
35453 (Rev.D 8-69)

121-186

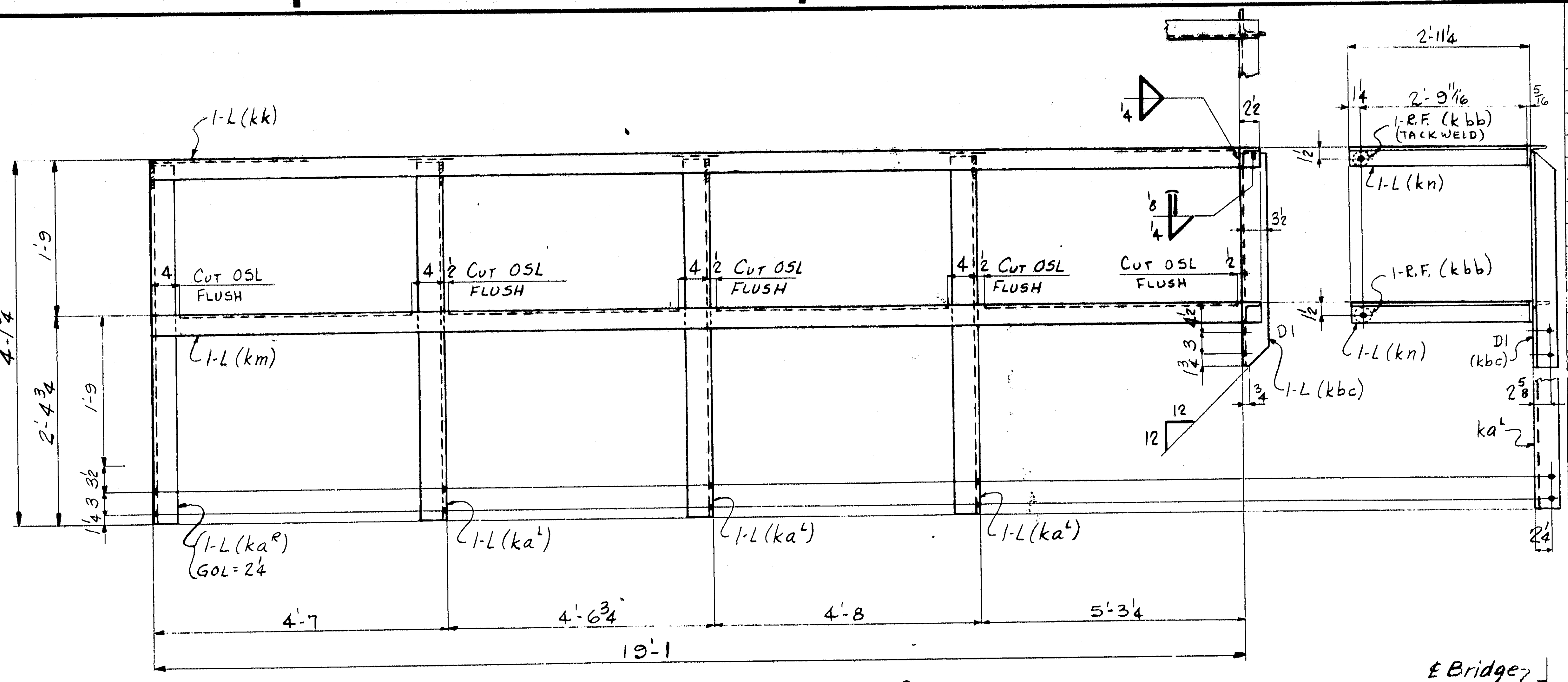
For location of details shown on this sheet refer to diagrams.

E 21

DES. SHT. 38

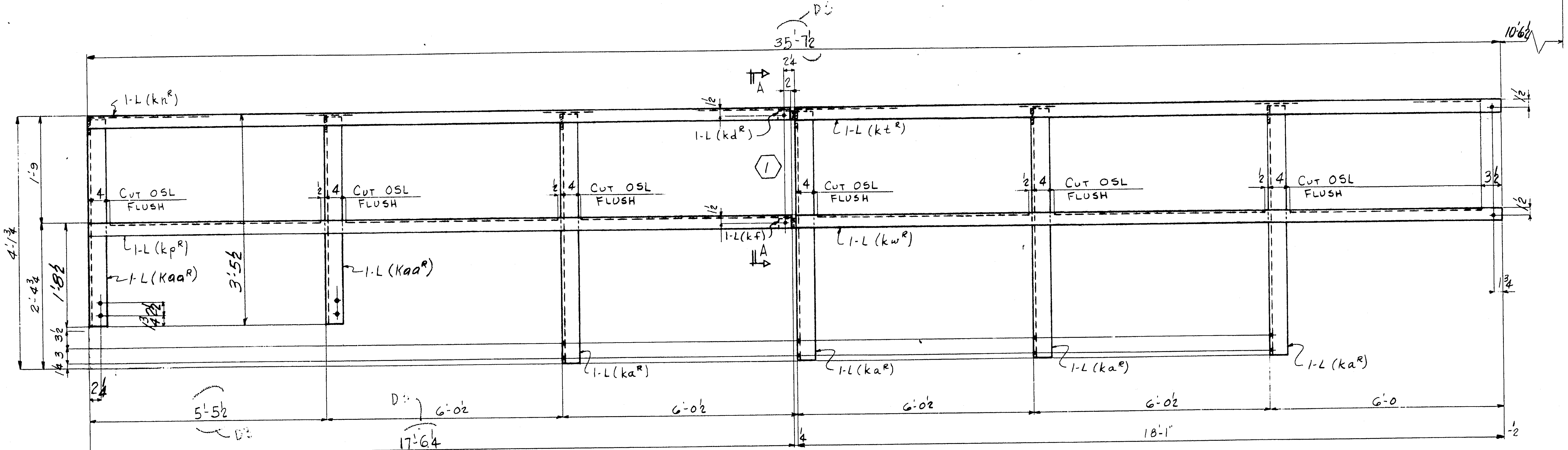


2- HAND RAILS - 536A



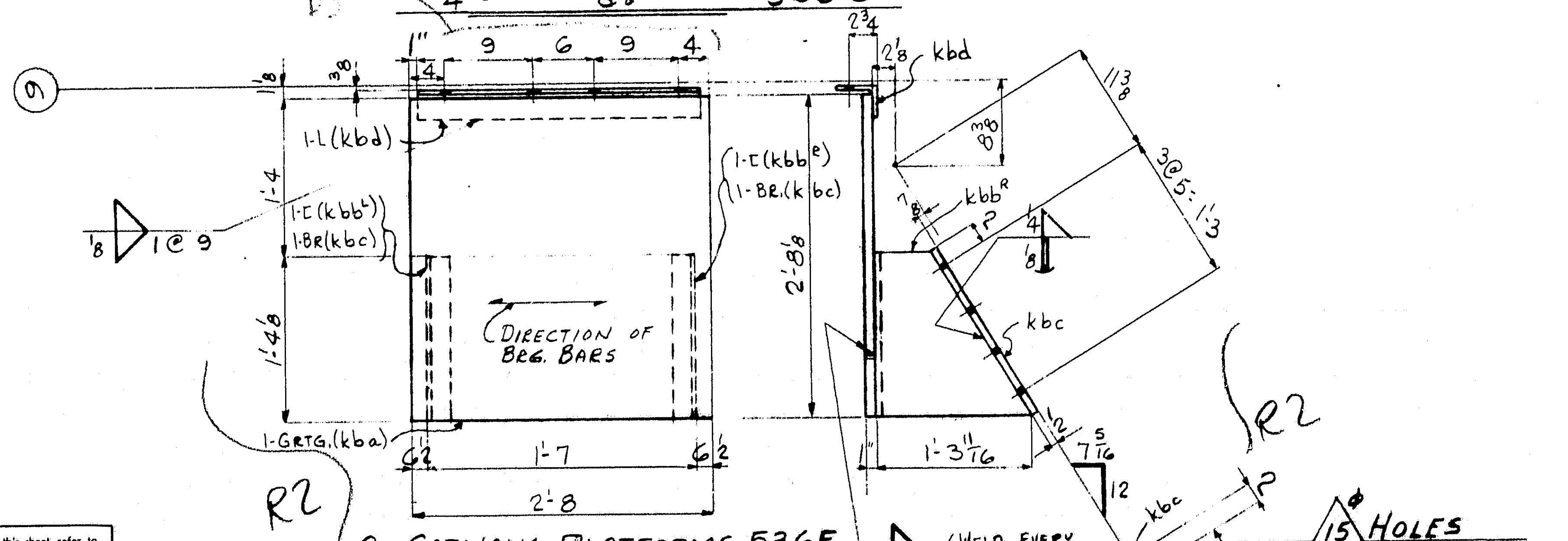
2 - HAND RAILS - 536B

℄ Bridge



4- HAND RAILS- 536D^R
4- do - 536D^L

4 - HAND RAILS - 536C^R
4- do - 536C^L



2- CATWALK PLATFORMS 536F

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

SHOP BILL											MILL ORDER						
PRODUCT TYPE	LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	WIDTH	THICK	LENGTH FT.	LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1	2- HAND RAILS - 536A															
	2	k a^R_L	2/2	L	3½	3½	3/8	4	1¼								
	3	k b	2	L	2½	2½	5/16	4	0								
	4	k c	2	L	2½	2½	5/16	4	0								
	5	k d^R_L	2/2	L	3½	2½	5/16	0	2								
	6	k f	4	L	3½	2½	5/16	0	2								
	7	FW	2	WD			1/4	3	7								
	8	SD	2	WD			1/8	0	5¾								
	9																
	10																
	11																
	12																
	13	D1 2- HAND RAILS - 536B															
	14	k a^R_L	2/6	L													
	15	k bc	2	L	4	3½	3/8	2	5¾	D1							
	16	k k	2	L	2½	2½	5/16	19	3½								
	17	k m	2	L	2½	2½	5/16	19	3½								
	18	k n	4	L	2½	2½	5/16	2	10 15/16								
	19	FW	2	WD			1/4	6	7								
	20	SD	2	WD			1/8	0	5								
	21	k bb	4	W	2¼	13/16	1/4			RING FILLS							
	22																
	23																
	24																
	25	8- HAND RAILS - 536C^R_L (4) (4)															
	26	k aa^R_L	8/8	L	3½	3½	3/8	3	5								
	27	k a^R_L	4/4	L						D4							
	28	k n^R_L	4/4	L	2½	2½	5/16	17	6¼	D3							
	29	k p^R_L	4/4	L	2½	2½	5/16	17	6¼								
	30	FW	8	WD			1/4	4	6								
	31																
	32																
	33																
	34	8- HAND RAILS - 536D^R_L (4) (4)															
	35																
	36	k a^R_L	12/12	L													
	37	k t^R_L	4/4	L	2½	2½	5/16	18	1								
	38	k w^R_L	4/4	L	2½	2½	5/16	18	1	D4							
	39	k d^R_L	4/4	L													
	40	k f	8	L													
	41	FW	8	WD			1/4	4	1½								
	42	SD	8	WD			1/8	0	5¾								
	43																
	44																
	45																
	46	2- CATWALK PLATFORMS - 536F															
	47	k ba	2	M	GRTG. AREAS	32 × 1		2	8⅛	ASTM-A36 GALV. (1×3/16 BRG. BARS)							
	48	k bb^R_L	2/2	C	18	42.7		1	4⅛	1 CUTS 2							
	49	k bc	4	BR	3½		1/2	2	4¾	R2							
	50	FW	2	WD			1/4	4	9½								
	51	FW	2	WD			1/8	2	5	R2							
	52	SD	2	WD			1/8	4	9½	R2							
	53	k bd	2	L	4	3	3/8	2	6	R2							
	54																
	55																
	56																
	57																
	58																
	59																
	60																
	61																
	62																

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
FFW APR 20 1971

D4

H1	M1	H7	M7	H10	M10	NO.	DESCRIPTION	MARK	REMARKS
				1	1	2	CATWALK PLATFORM	536F	
		2	2			4	HAND RAILS	536D^L	
		2	2			4		536D^R	
		2	2			4		536C^L	SUBLET
		2	2			4		536C^R	FABR.
1	1					2		536B	SHIP
1	1					2		536A	DIRECT
	INST.					REQUIRED LIST			

MATERIAL : ASTM-A588 U.N.
RIVETS OR BOLTS : NONE
OPEN HOLES : 13/16"ϕ
A325 FIELD BOLTS : NONE
SHOP CONTACT SURFACES : NO WELD

PAINT : ONE SHOP COAT

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

HAND RAIL @ L0 & L0' - L7 & L7'

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
D4	4/12	5 LG
D3	8/27	5 CAD
R2	4/16	JHO
1	4/11/70	JHO
REVISION		

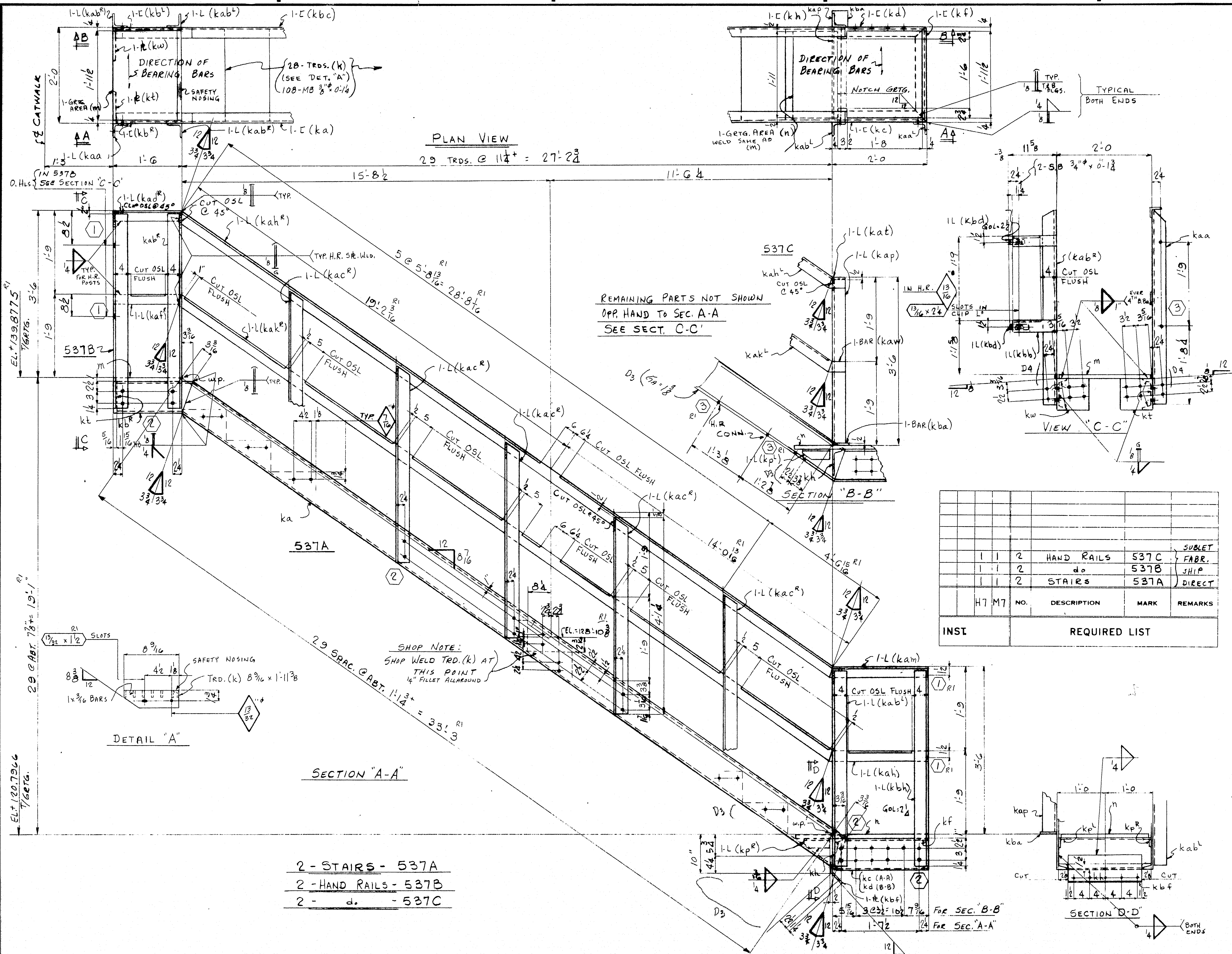
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JHO DATE 12-23-69 IN CHARGE L. G.
CHECKED BY HKT DATE 1-19-70 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 536

35453 (Rev.D 8-69)

121-187

For location of details shown on this sheet refer to diagrams.
SHT. E21, 22, 24 & 25 | DES. SHTS. 22, 38 & 39


PLAN VIEW
1-L(kab^R) 1-C(kb^L) 1-L(kab^L) 1-C(kbc)
1-PL(kw) DIRECTION OF BEARING BARS
28-TRDS.(k) (SEE DET. "A") 108-MB 3/4"φ×0-1 1/4
1-PL(kt) SAFETY NOSING 1-GRTG. AREA (m)
℄ CATWALK
1-C(kb^R) 1-L(kab^R) 1-C(ka)
1-L(kaa)
29 TRDS. @ 11 1/4± = 27'-2 3/4
15'-8 1/2 11'-6 1/4
1-C(kh) kap kba 1-C(kd) 1-C(kf)
DIRECTION OF BEARING BARS NOTCH GRTG.
1-GRTG. AREA (n) WELD SAME AS (m)
1-C(kc) kaa
TYP. 1/8 FLGS. TYPICAL BOTH ENDS
O.HLS. IN 537B SEE SECTION "C-C"
1-L(kad^R) CUT OSL @ 45°
1-L(kah^R) CUT OSL @ 45°
kab^R CUT OSL FLUSH 1-L(kaf^R)
1-L(kak^R) 1-L(kac^R)
TYP. H.R. STL. WLD.
5 @ 5'-8 13/16 = 28'-8 1/16 R1
19'-2 3/16 R1
537B
EL.+139.8775 T/GRTG. 3'-6
REMAINING PARTS NOT SHOWN OPP. HAND TO SEC. A-A SEE SECT. C-C'
537C
1-L(kat) 1-L(kap) kah^L CUT OSL @ 45°
IN H.R. 13/16 SLOTS IN CLIP L^S 13/16×2 1/4
kak^L 1-BAR(kaw) 1-BAR(kba)
H.R. CONN. 1'-3 1/8 1'-2 7/8 1-L(kp^L)
SECTION "B-B"
CUT OSL FLUSH 6.6 1/4 CUT OSL @ 45°
14'-0 13/16 R1 4'-6 15/16 R1
537A ka
SHOP NOTE: SHOP WELD TRD.(k) AT THIS POINT 1/4" FILLET ALLAROUND
EL.+128.10 8 1/4
29 SPAC. @ ABT. 11 1/4± = 33'-3 R1
29 @ ABT. 7 7/8± = 19'-1 R1
13/32×1 1/2 R1 SLOTS
8 9/16 4 1/2 1 1/8 SAFETY NOSING
8 3/8 12
TRD.(k) 8 9/16 × 1'-11 3/8
1×3/16 BARS 13/32"φ
DETAIL "A"
SECTION "A-A"
EL.+120.7966 T/GRTG.
1-L(kam) CUT OSL FLUSH 1-L(kab^L)
1-L(kah) 1-L(kbh) GOL: 2 1/4
kf 1-L(kp^R) kc (A-A) kd (B-B) 1-PL(kbf)
FOR SEC. "B-B" FOR SEC. "A-A"
1-L(kbd) 1L(kbb) 1L(kbd) GOL-2 1/2 1-L(kbd)
3/4"φ×0-1 3/4 kaa kw kt
VIEW "C-C"
kap kba kp^L kp^R kab^L CUT kbf
SECTION "D-D" BOTH ENDS
10 5/16

2 - STAIRS - 537A
2 - HAND RAILS - 537B
2 - do - 537C

Product Type	Line	Assembly Mark	No.	Shape	Section Size	Section Size or Pounds	Section Thick	Length Ft.	Length In.	Remarks	Mill Order Width	Mill Order Thick	Mill Order Length Ft	Mill Order Length In	Stock	Item Page	Item Line
	1		2 - STAIRS - 537A														
	2	k a	2	C	8	13.75		33	5 1/2	R1							
	3	k bc	2	C	8	13.75		33	5 1/2	R1							
	4	k b^{R}_{L}	2/2	C	8	13.75		1	8 7/8								
	5	k c	2	C	8	13.75		1	11 5/16								
	6	k d	2	C	8	13.75		1	11 5/16								
	7	k f	2	C	8	13.75		2	0								
	8	k h	2	C	8	13.75		1	11 3/8								
	9	k	56	M	GRTG. TRDS.	8 9/16		1	11 3/8	ASTM-A36 GALV. (1×3/16 B.B.)							
	10	m	2	M	GRTG. AREA	18		1	11 1/2	do							
	11	n	2	M	GRTG. AREA	23 1/2		2	9 1/4	do							
	12	k p^{R}_{L}	2/2	L	2 1/2	2 1/2	5/16	0	7 1/2								
	13	k t	2	PL	8		5/16	0	8 1/4								
	14	k w	2	PL	8		5/16	0	8 1/4								
	15	k bf	2	PL	8		5/8	1	7	BENT							
	16		216	MB	3/8			0	1 1/4	RHH & RHN GALV.							
	17		216	W	3/4	7/16	8			LOCK WASH							
	18	SDS	2	WD			1/8	8	9								
	19	FW	2	WD			1/8	5	4								
	20	B45S	2	WD			1/4	0	10								
	21	FW	2	WD			1/4	15	3								
	22																
	23																
	24		2 - HAND RAILS - 537B														
	25	k aa	2	L	3 1/2	3 1/2	3/8	4	1 1/4								
	26	k ab^{R}_{L}	2/2	L	3 1/2	3 1/2	3/8	4	1 1/4								
	27	k ac^{R}	10	L	3 1/2	3 1/2	3/8	4	1 1/4								
	28	k ad^{R}	2	L	2 1/2	2 1/2	5/16	1	6								
	29	k af^{R}	2	L	2 1/2	2 1/2	5/16	1	6								
	30	k ah^{R}	2	L	2 1/2	2 1/2	5/16	33	3 11/16	R1							
	31	k ak^{R}	2	L	2 1/2	2 1/2	5/16	33	3 11/16	R1							
	32	k am	2	L	2 1/2	2 1/2	5/16	2	0 3/4								
	33	k an	2	L	2 1/2	2 1/2	5/16	2	0 3/4								
	34	FW	2	WD			1/4	11	9								
	35	SDS	2	WD			1/8	2	5								
	36	k bh	2	L	3 1/2	3 1/2	3/8	4	1 1/4								
	37																
	38																
	39																
	40		2 - HAND RAILS - 537C														
	41	k ab^{R}_{L}	2/2	L													
	42	k ac^{L}	10	L													
	43	k ad^{L}	2	L													
	44	k af^{L}	2	L													
	45	k ah^{L}	2	L													
	46	k ak^{L}	2	L													
	47	k ap	2	L	3 1/2	3 1/2	3/8	3	5								
	48	k at	2	L	2 1/2	2 1/2	5/16	0	4 1/4								
	49	k aw	2	BR	2 1/2		5/16	0	4 1/4								
	50	k ba	2	BR	4		1/2	0	4								
	51	k bb	4	L	2 1/2	2 1/2	5/16	0	10 5/8								
	52	k bd	4	L	4	4	3/8	0	2								
	53	FW	2	WD			1/4	12	3								
	54	SDS	2	WD			1/8	2	5								
	55	k bk	2	L	3 1/2	3 1/2	3/8	4	1 1/4								
	56		8	SB	3/4"φ			0	1 3/4								
	57																
	58																
	59																
	60																
	61																
	62																

		H7	M7	NO.	DESCRIPTION	MARK	REMARKS
		1	1	2	HAND RAILS	537C	SUBLET FABR.
		1	1	2	do	537B	SHIP
		1	1	2	STAIRS	537A	DIRECT

INST. REQUIRED LIST

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

DES. SHT 39

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

E21, E24 & E25

Open Holes are for
High Strength Structural Bolts.
NO PAINT within 8" of Holes

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
FFW SEP 10 1970

STAIRS @ L7 & L7'

MATERIAL : ASTM-A588 U.N.
RIVETS OR BOLTS : 3/4"φ U.N.
OPEN HOLES : 13/16"φ U.N.
A325 FIELD BOLTS : 3/4"φ U.N.
SHOP CONTACT SURFACES : NO PAINT

PAINT : ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
D4	8/26	JRO
D3	6/19	LG
D2	4/20	KT
R1	4/3	JRO

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

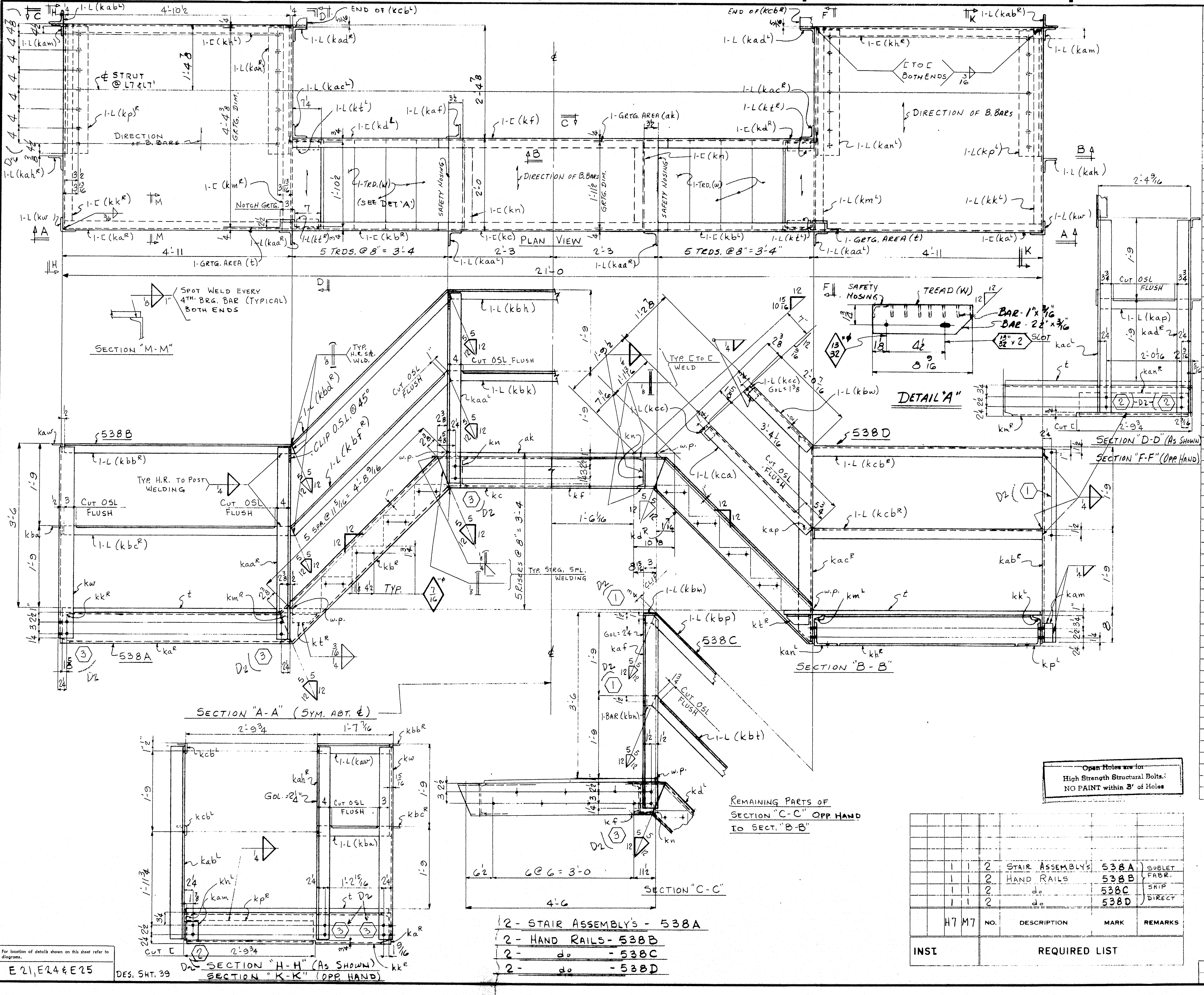
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY JRO DATE 1/5/70 IN CHARGE L.G.
CHECKED BY HKT DATE 1-21-70 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 537

35453 (Rev.D 8-69)

121-188

12°51'

0 1 2 3 4 5 6



Open Holes are for
High Strength Structural Bolts.
NO PAINT within 3" of Holes

	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.

E 21, E 24 & E 25

DES. SHT. 39

SHOP BILL

LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER
1		2 - STAIR ASSEMBLY'S - 538A								
2	k a^{R}_{L}	2/2	C	8	13.75		4	11 5/8		
3	k b^{R}_{L}	2/2	C	8	13.75		4	11 7/8		
4	k c	2	C	8	13.75		4	10 3/4		
5	k d^{R}_{L}	2/2	C	8	13.75		4	11 3/4		
6	k f	2	C	8	13.75		4	10 3/4		
7	k h^{R}_{L}	2/2	C	8	13.75		4	10 3/8		
8	k k^{R}_{L}	2/2	C	8	13.75		4	4 1/8		
9	k m^{R}_{L}	2/2	C	8	13.75		4	4 9/16		
10	k n	4	C	8	13.75		1	11 3/8		
11	k p^{R}_{L}	2/2	L	6	6	5/8	2	9		
12	t	4	M	GRTG. AREA	52 3/8	1"	5	6	ASTM-A36 GALV. (1x3/16 B. BARS)	
13	ak	2	M	GRTG. AREA	23 1/2	1"	4	6	SAFETY NOSING 2 ENDS	
14	k an^{R}_{L}	2/2	L	6	6	5/8	2	9		
15	w	16	M	GRTG. TRDS.	8 9/16		1	11 3/8	SAFETY NOSING	
16	k t^{R}_{L}	4/4	L	2 1/2	2 1/2	5/16	0	6 1/2		
17		64	MB	3/8"φ			0	1 1/4	GALV. RHH & RHN	
18		64	W	1 1/4	7/16	1/8			LOCK WASH.	
19	FW	2	WD			1/8	14	0		
20	8455	2	WD			1/4	2	4 1/2		
21	FW	2	WD			1/4	42	8		
22	SD	2	WD			1/8	19	6		
23										
24		2 - HAND RAILS - 538B								
25	k w	4	L	3 1/2	3 1/2	3/8	4	1 1/4		
26	k aa^{R}_{L}	4/4	L	3 1/2	3 1/2	3/8	4	1 1/4		
27	k ah^{R}_{L}	2/2	L	3 1/2	3 1/2	3/8	4	1 1/2		
28	k aw	4	L	2 1/2	2 1/2	5/16	1	6 1/2		
29	k ba	4	L	2 1/2	2 1/2	5/16	1	6 1/2		
30	k bb^{R}_{L}	2/2	L	2 1/2	2 1/2	5/16	4	11 1/2		
31	k bc^{R}_{L}	2/2	L	2 1/2	2 1/2	5/16	4	11 1/2		
32	k bd^{R}_{L}	2/2	L	2 1/2	2 1/2	5/16	4	9 9/16		
33	k bf^{R}_{L}	2/2	L	2 1/2	2 1/2	5/16	4	9 9/16		
34	k bh	2	L	2 1/2	2 1/2	5/16	4	6		
35	k bk	2	L	2 1/2	2 1/2	5/16	4	6		
36	FW	2	WD			1/4	10	6		
37	SD	2	WD			1/8	5	3		
38										
39		2 - HAND RAILS - 538C								
40	k ab^{L}	2	L	3 1/2	3 1/2	3/8	4	1 1/2		
41	k ac^{L}	2	L	3 1/2	3 1/2	3/8	4	5		
42	k ad^{R}	2	L	3 1/2	3 1/2	3/8	4	1 1/2		
43	k af	2	L	3 1/2	3 1/2	3/8	4	1 1/2		
44	k am	2	L	3 1/2	3	3/8	0	5		
45	k ap	2	L	2 1/2	2 1/2	5/16	2	4		
46	k bm	2	L	2 1/2	2 1/2	5/16	0	3		
47	k bn	2	BR	2 1/2		5/16	0	3		
48	k bp	2	L	2 1/2	2 1/2	5/16	4	8 9/16		
49	k bt	2	L	2 1/2	2 1/2	5/16	4	8 9/16		
50	k cb^{L}	4	L	2 1/2	2 1/2	5/16	5	2 1/2		
51	FW	2	WD			1/4	6	8		
52	SD	2	WD			1/8	1	3		
53										
54		2 - HAND RAILS - 538D								
55	k ab^{R}	2	L							
56	k ac^{R}	2	L							
57	k ad^{L}	2	L							
58	k am	2	L							
59	k ap	2	L							
60	k cb^{R}	4	L							
61	k bw	2	L	2 1/2	2 1/2	5/16	1	11 1/2		
62	k ca	2	L	2 1/2	2 1/2	5/16	3	3 1/4		
63	k cc	4	L	3	2 1/2	5/16	0	2 1/2		
64	FW	2	WD			1/4	6	9		
65										

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
JUN 29 1970
FFW

STAIRS & HAND RAIL @ L7 & L7'

				NO.	DESCRIPTION	MARK	REMARKS
		1	1	2	STAIR ASSEMBLY'S	538A	SUBLET FABR. SHIP DIRECT
		1	1	2	HAND RAILS	538B	
		1	1	2	do	538C	
		1	1	2	do	538D	
		H7	M7				

INST. REQUIRED LIST

MATERIAL : ASTM-A588 U.N.
RIVETS OR BOLTS : NONE
OPEN HOLES : 13/16"φ U.N.
A325 FIELD BOLTS : NONE
SHOP CONTACT SURFACES : NO PAINT
PAINT : ONE SHOP COAT

REVISION NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
D2	6/19	LG
1	4-20	H

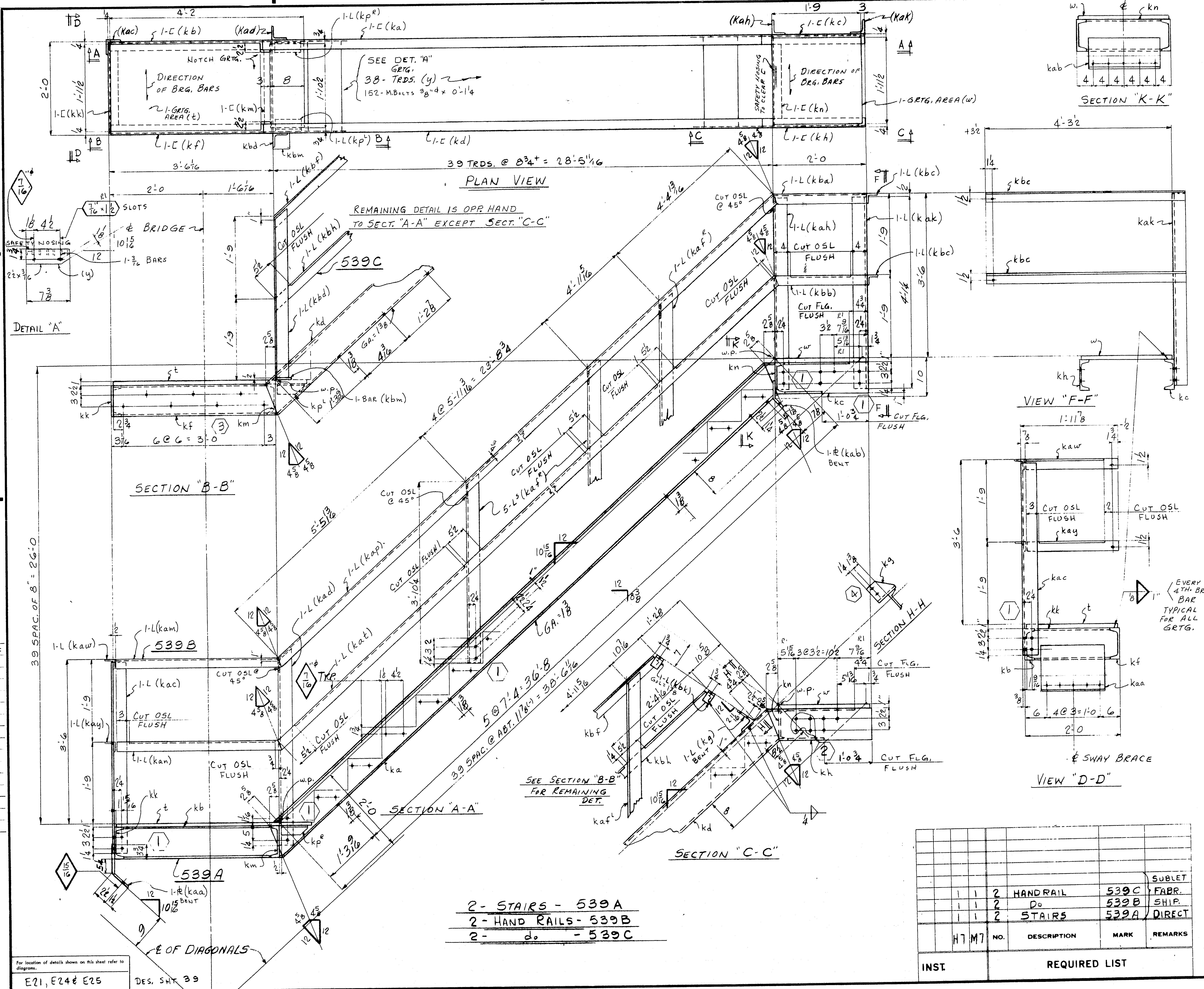
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 JAO DATE 1-7-70 IN CHARGE L.G.
CHECKED BY HKT DATE 1-21-70 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 538

121-189

35453 (Rev. D 8-69)



REMAINING DETAIL IS OPP. HAND TO SECT. "A-A" EXCEPT SECT. "C-C"

2- STAIRS - 539A
2- HAND RAILS - 539B
2- do - 539C

For location of details shown on this sheet refer to diagrams.
E21, E24 & E25

DES. SHT 39

SHOP BILL

LINE	ASSEMBLY MARK		NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	THICK	LENGTH FT.	LENGTH IN.	REMARKS
1			2- STAIRS - 539A							
2	k	a	2	C	8	13.75		38	9¾	
3	k	b	2	C	8	13.75		3	6 3/16	
4	k	c	2	C	8	13.75		2	2⅝	
5	k	d	2	C	8	13.75		38	9¾	
6	k	f	2	C	8	13.75		3	6 3/16	
7	k	h	2	C	8	13.75		2	2⅝	
8	k	k	2	C	8	13.75		1	11⅜	
9	k	m	2	C	8	13.75		1	11⅜	
10	k	n	2	C	8	13.75		1	11⅜	
11	k	p^R_L	2/2	L	2½	2½	5/16	0	7½	
12	k	g	2	L	6	6	⅝	0	5¼	BENT
13		t	2	M	GRTG.	23½	x	4	2	ASTM-A36 GALV. BRG. BARS 1x3/16
14		w	2	M	GRTG.	23½	x	1	9	do
15		y	76	M	GRTG. TRDS.	7⅜	x	1	11⅜	do
16	k	aa	2	PL	13		⅝	1	3	BENT
17	k	ab	2	PL	9		⅝	1	7	BENT
18			304	MB	⅜			0	1¼	RHH & RHN GALV.
19			304	W	¾	7/16	⅛			LOCK WASH.
20		FW	2	WD			¼	17	3	
21		FW	2	WD			⅛	5	4	
22		SDS	2	WD			⅛	8	6	
23		B45S	2	WD			¼	3	7	
24										
25										
26			2- HAND RAILINGS - 539B							
27	k	ac	2	L	3½	3½	⅜	4	1¼	
28	k	ad	2	L	3½	3½	⅜	4	2 7/16	
29	k	af^R	12	L	3½	3½	⅜	4	0 7/16	
30	k	ah	2	L	3½	3½	⅜	4	1¼	
31	k	ak	2	L	3½	3½	⅜	4	1¼	
32	k	am	2	L	2½	2½	5/16	3	6½	
33	k	an	2	L	2½	2½	5/16	3	6½	
34	k	ap	2	L	2½	2½	5/16	38	7⅝	
35	k	at	2	L	2½	2½	5/16	38	7⅝	
36	k	aw	2	L	2½	2½	5/16	1	11	
37	k	ay	2	L	2½	2½	5/16	1	11	
38	k	ba	2	L	2½	2½	5/16	2	0	
39	k	bb	2	L	2½	2½	5/16	2	0	
40	k	bc	4	L	2½	2½	5/16	4	7	
41		FW	2	WD			¼	14	6	
42		SDS	2	WD			⅛	2	3	
43										
44										
45										
46			2- HAND RAILINGS - 539C							
47	k	af^L	12	L						
48	k	bd	2	L	3½	3½	⅜	3	7 11/16	
49	k	bf	2	L	2½	2½	5/16	35	1	
50	k	bh	2	L	2½	2½	5/16	36	6½	
51	k	bk	4	L	3½	2½	5/16	0	2½	
52	k	bm	2	BR	4		½	0	4	
53		FW	2	WD			¼	8	9	
54		SDS	2	WD			⅛	0	8	
55										
56										
57										
58										
59										
60										
61										
62										

Open Holes are for [illegible] Structural Bolts Unless Noted
NO PAINT within 3" of Holes for High Strength Structural Bolts

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW APR 28 1970

STAIRS & HAND RAILING @ L7 & L7'

INST.		H7	M7	NO.	DESCRIPTION	MARK	REMARKS
		1	1	2	HANDRAIL	539C	SUBLET
		1	1	2	Do	539B	FABR. SHIP.
		1	1	2	STAIRS	539A	DIRECT

REQUIRED LIST

MATERIAL: ASTM-A588 U.N.
RIVETS OR BOLTS: ⅜"ϕ
OPEN HOLES: 13/16"ϕ U.N.
A325 FIELD BOLTS: NONE
SHOP CONTACT SURFACES: NO PAINT
PAINT: ONE SHOP COAT

NO.	DATE	INIT.
2	4/20	YT
R1	4/3	JHO

REVISION

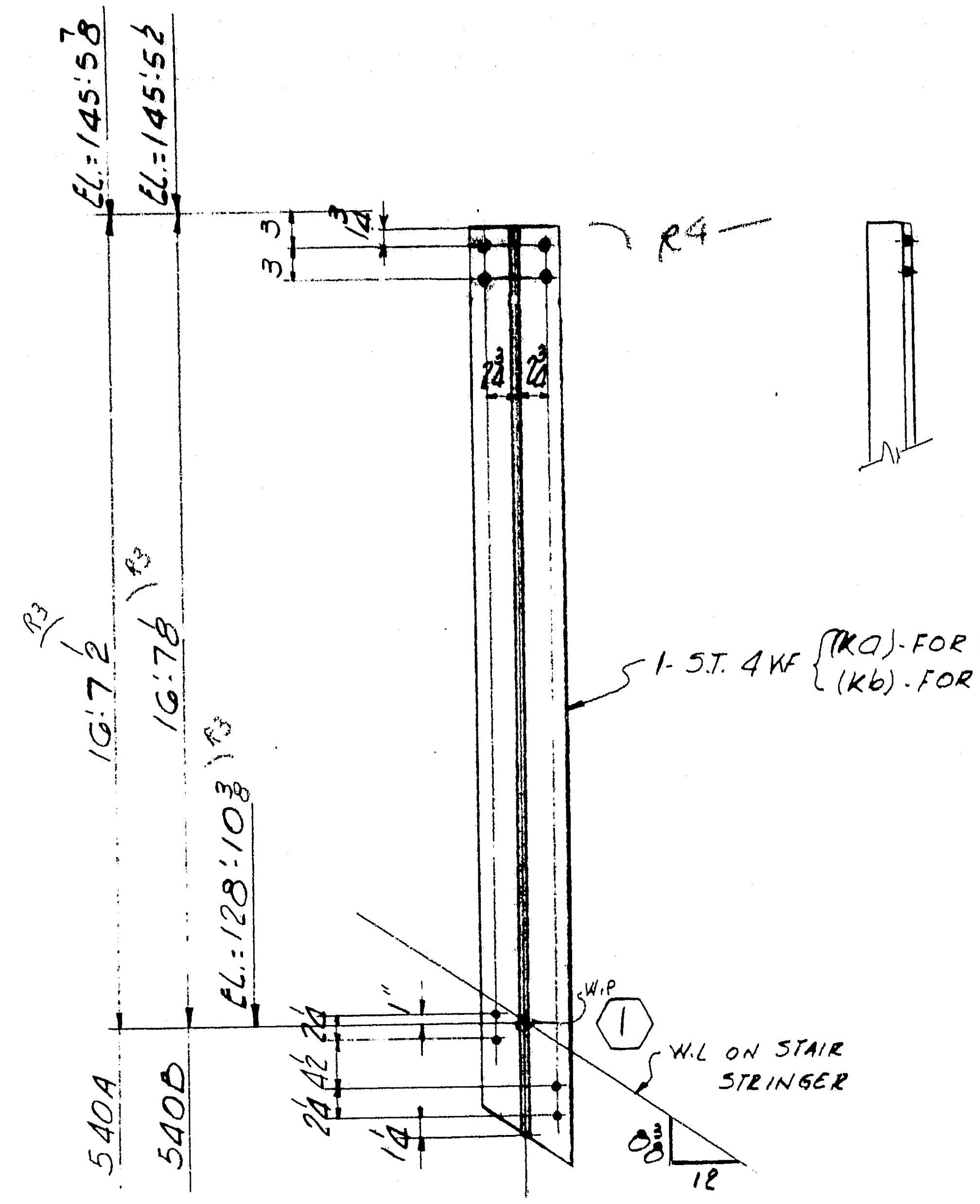
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

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 JHO DATE 1-12-70 IN CHARGE L.G.
CHECKED BY HKT DATE 1-21-70 SHOP NO.
CONTRACT CG 6290-090 DRAWING NO. 539

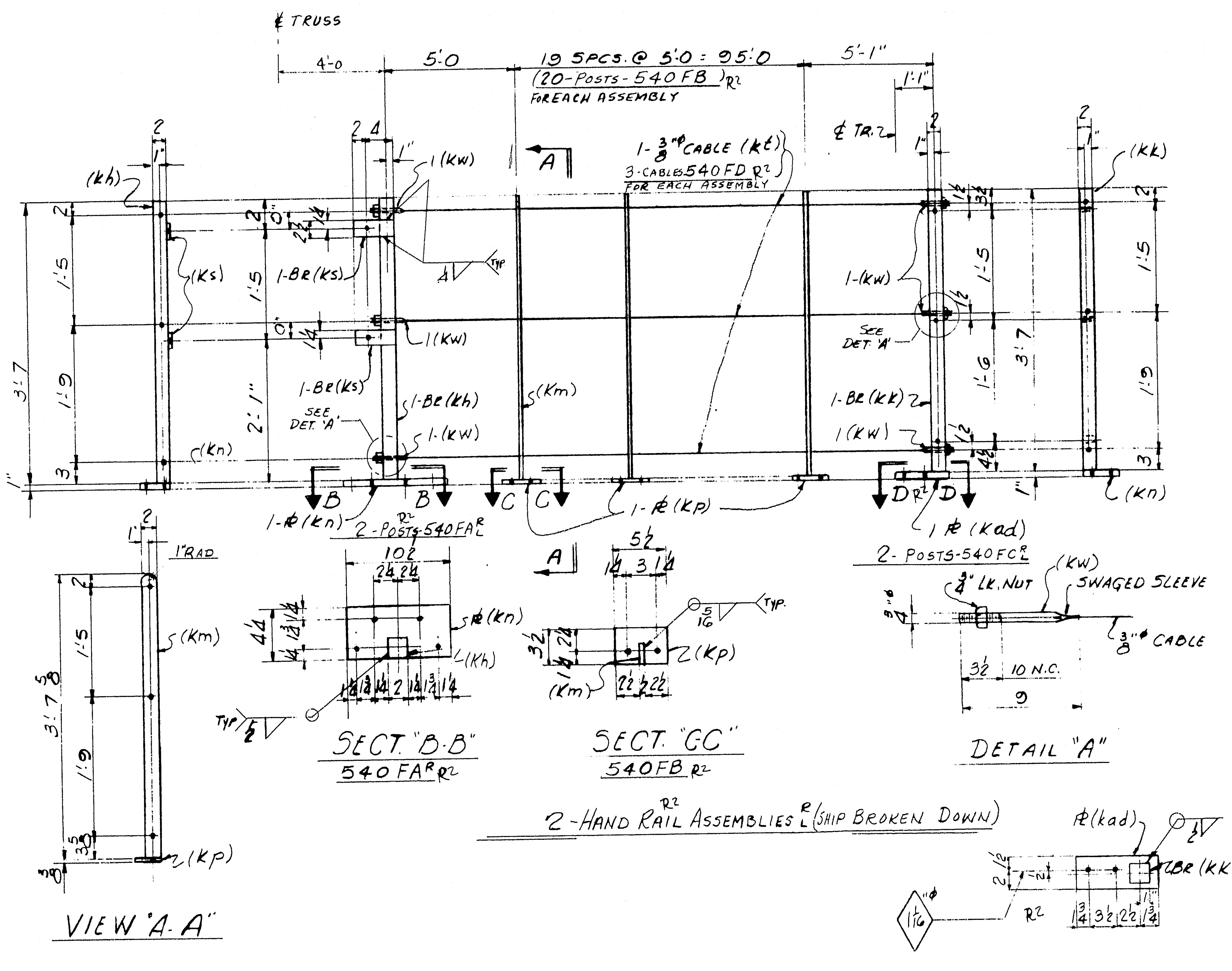
121-190

35453 (Rev.D 8-69)

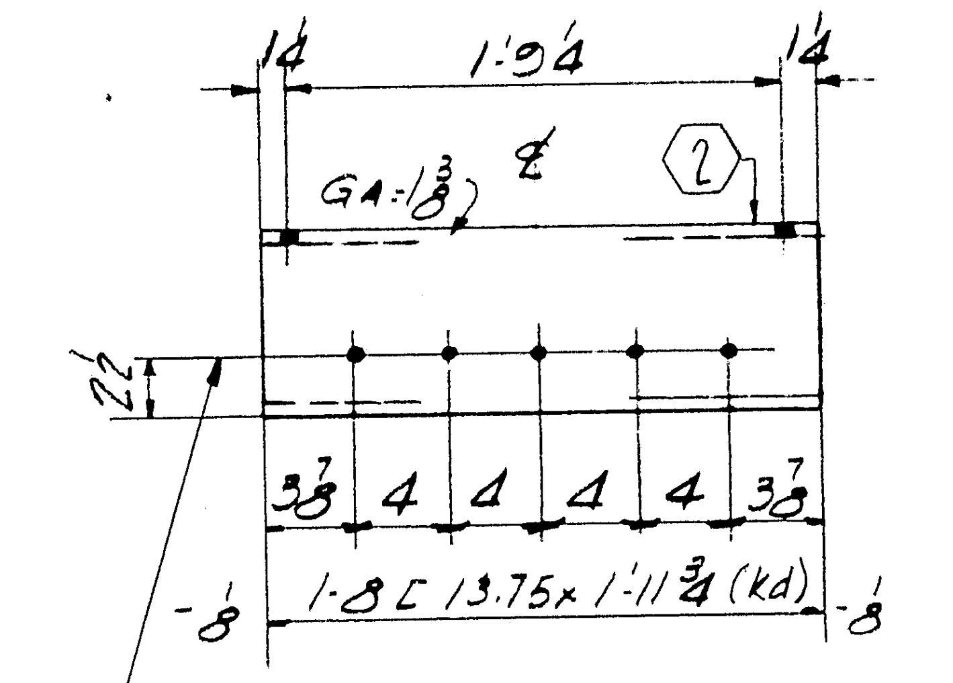


2 - HANGERS 540A

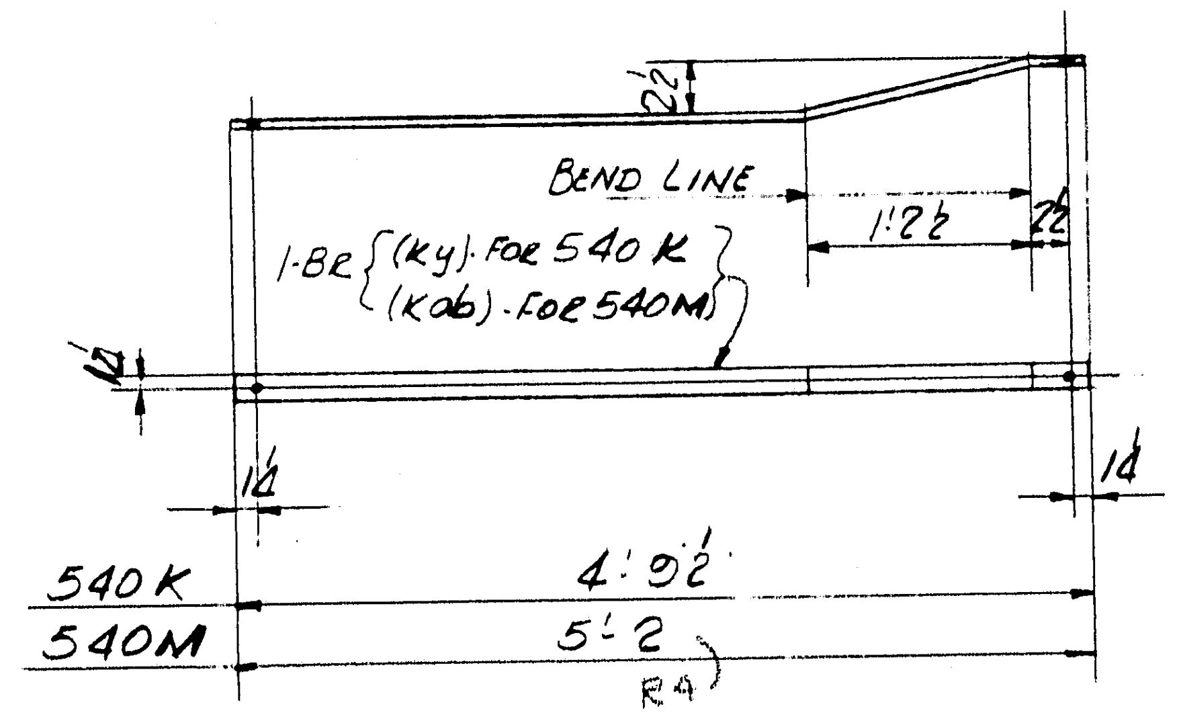
2- do -540B (OPP HAND)



2 - HAND RAIL ASSEMBLIES L/R (SHIP BROKEN DOWN) R2

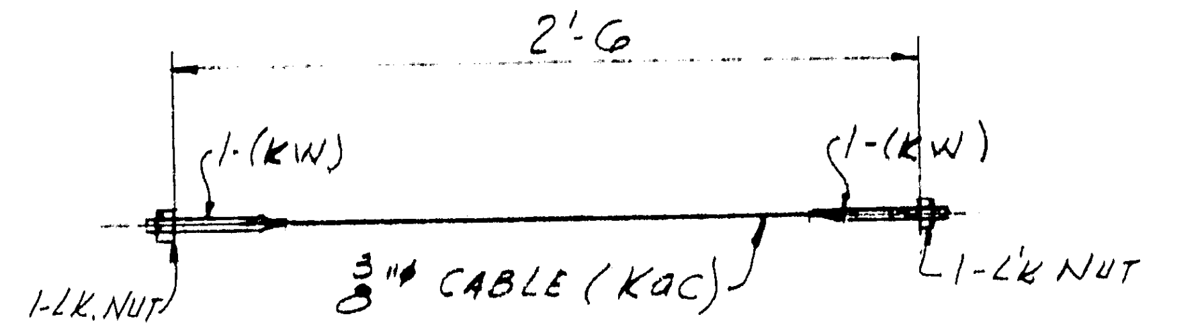


10-BEAMS-540C

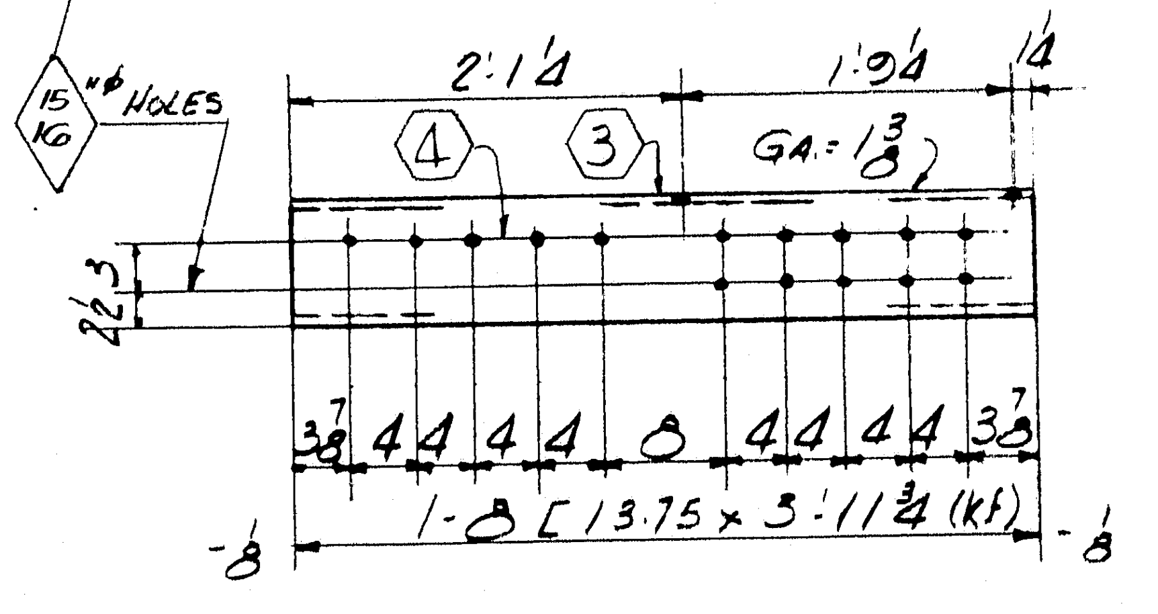


2-HANDRAILS-540K

2- do -540M



3-HANDRAILS-540N



2- BEAMS-540D

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

DES. SHT 37 & 39

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

E21, E24, E23

SHOP BILL

LINE	ASSEMBLY MARK	NO	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER
1										
2		2 - HANGERS - 540A								
3										
4	k a	2	BT D1	4	15.5		17	6¼	R3	
5									R4	
6										
7										
8										
9										
10		2 - HANGERS - 504B								
11										
12	k b	2	BT D1	4	15.5		17	5⅞	R3	
13	k c	2	L							
14		8	325	¾				2¼	ASTM A325	
15		8	HW	1½	13/16	11/64				
16										
17		10 - BEAMS 540C								
18										
19	k d	10	C D1	8	13.75		1	11¾		
20										
21										
22		2 - BEAMS 540D								
23										
24	k f	2	C D1	8	13.75		3	11¾		
25										
26		2-HAND RAIL POSTS-540FA R/L								
27	k h	2	BR	2		2	3	7		
28	k n	2	PL	4¼		1"	0	10½		
29	k s	4	BR	2½		½	0	6		
30		40-HAND RAIL POSTS-540FB								
31	k m	40	BR	2	R4	½	3	7		
32	k p	40	PL	3½		⅜	0	5½		
33		2-HAND RAIL POSTS-540FC R/L								
34	k k	2	BR	2		2	3	7		
35	k ad	2	PL	3½		1	0	9½		
36		6-CABLES-540FD								
37	k t	6	M	⅜"φ x ~~102'-6"~~ STAINLESS STL. CABLE 1"x19" WIRE STRAND PREFORMED-MED. STRENGTH ASTM-A368						ORDERED ON 906-D-170 & ~~SK44~~
38	k w	6	M	¾"φ THRD. SLEEVES-SWAGED-STAINLESS STL. COM. GR.						
39		12	M	¾"φ TAP R.H. HEX. STAINLESS STL. LOCK NUT COM'L. GR.						ORDERED ON M9
40										
41		2-HANDRAILS 540K								
42	k y	2	BR	2½		½	4	9¾	BENT	
43										
44										
45		2-HANDRAILS 540M								
46	k ab	2	BR	2½		½	5	2¼ R4	BENT	
47										
48										
49										
50		3-HANDRAILS-540N								
51										
52	k w	6	M							
53	k ac	3		⅜"φ x 2'-0 STAINLESS STEEL CABLE-1"x19" WIRE STRAND PREFORMED-MED. STRENGTH ASTM A368						ORDERED ON 906-D-170 AND ~~SK44~~
54		6	M	¾"φ TAP R.H. HEX. STAIN. ST'L. LOCK NUT COM'L. GR. D1						ORDERED ON M9
55										
56										
57										
58										
59										
60										
61										
62										

R2

APPROVED:
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y.
BY FFW SEP 10 1970

Op[illegible] [illegible] Bolts Unless Noted A
No [illegible] within 3' of holes for
High [illegible] Structural Bolts

REQUIRED LIST

INST. H19	INST. M7	INST. H7	NO.	DESCRIPTION	MARK	REMARKS
6			6	CABLES	540FD	S5
1			ONE	HANDRAIL POST	540FC L	
1			ONE	HANDRAIL POST	540FC R	
40			40	HANDRAIL POSTS	540FB	
3			3	HANDRAILS	540N	S5
2			2	HANDRAILS	540M	
2			2	HANDRAILS	540K	
1			ONE	HANDRAIL POST	540FA L	
1			ONE	HANDRAIL POST	540FA R	SUBLET FABR SHIP DIRECT
	1	1	2	BEAMS	540D	
	5	5	10	BEAMS	540C	
	1	1	2	HANGERS	540B	
	1	1	2	HANGERS	540A	

R2 R2

MATERIAL ASTM. A588 U.N.
RIVETS OR BOLTS AS NOTED
OPEN HOLES 13/16"φ U.N.
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES NO PAINT
PAINT ONE SHOP COAT

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

NO.	DATE	INIT.
0		
9		
8		
7		
6		
S 5	8/11	LG
R 4	8/26	JH
R 3	4/20	FT
R2	4/5	JRO
1	2/10/70	JRO

REVISION

HANGER - BEAMS & HANDRAIL

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

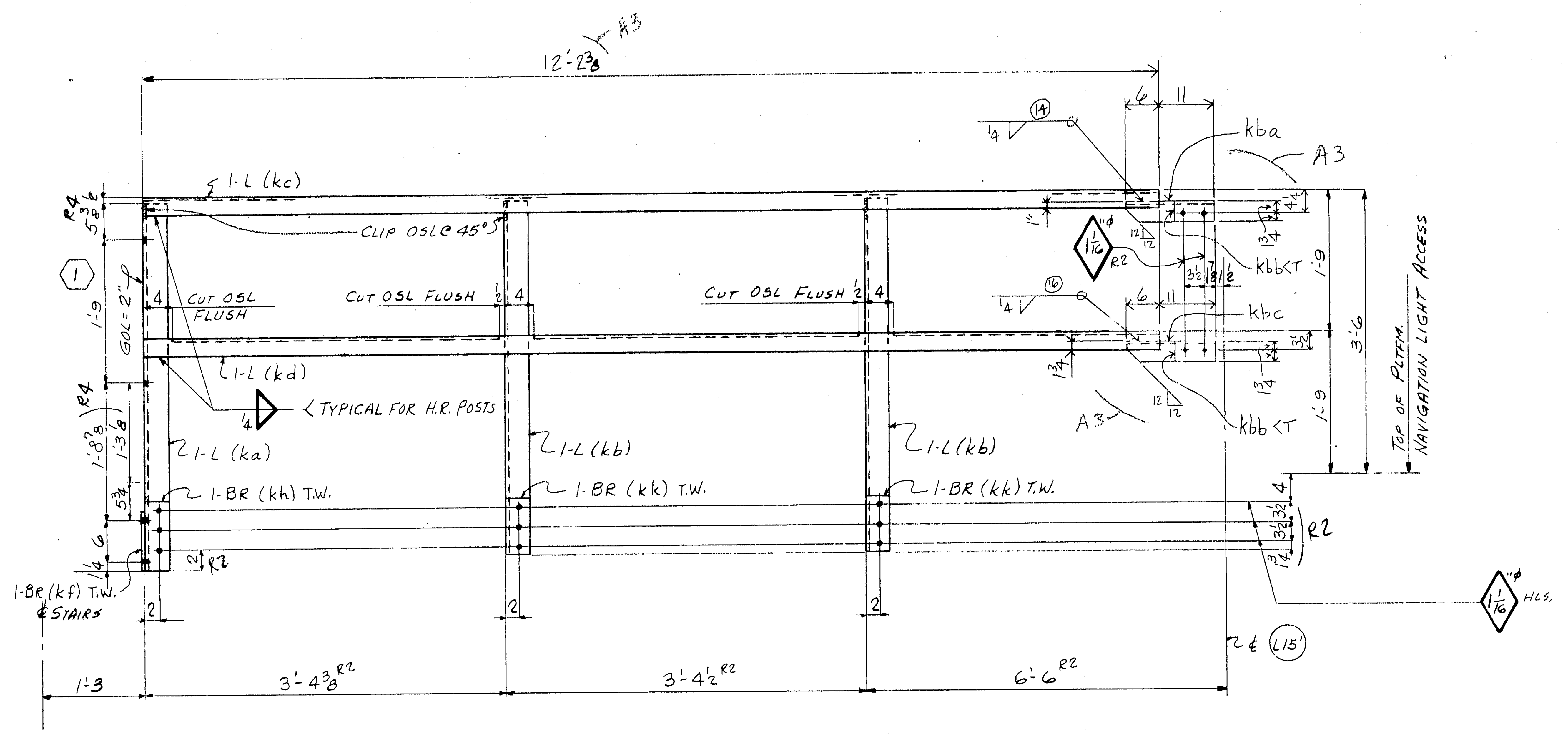
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY RSO DATE 1-17-70 IN CHARGE L.G.
CHECKED BY HKT DATE 1-21-70 SHOP NO.
CONTRACT CG6290-090 DRAWING NO. 540

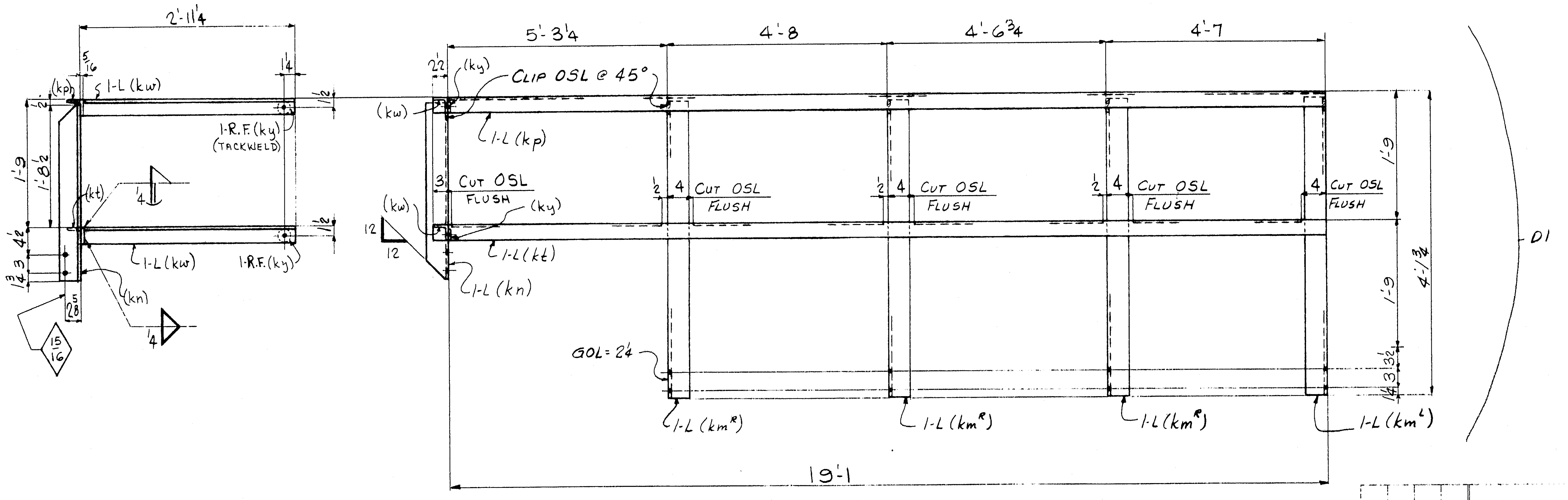
35453 (Rev.D 8-69)

121-191.

MATCH H.R.
TO 529A



ONE - HAND RAIL - 541 A



ONE - HAND RAIL - 541 B

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

PRODUCT TYPE	LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION SIZE	SECTION SIZE OR POUNDS	SECTION THICK	LENGTH FT.	LENGTH IN.	REMARKS	MILL ORDER WIDTH	THICK	LENGTH FT	LENGTH IN	STOCK	ITEM PAGE	ITEM LINE
	1																
	2		ONE- HAND RAIL- 541A														
	3	k a	1	L	3½	3½	⅜	4	6½								
	4	k b	2	L	3½	3½	⅜	4	6¼	R2							
	5	k c	1	L R2	3½	2½	5/16	12	2⅜	A3							
	6	k d	1	L	2½	2½	5/16	12	2⅜								
	7	k f	1	BR	3½		⅝	0	8½								
	8	k h	1	BR	3½		3 1/16 R4	0	10¾	R2							
	9	k k	2	BR	3½		3 1/16	0	10½								
	10	k ba	1	L	3½	2½	5/16	1	5	R2 A3							
	11	k bb	2	BR	3½		5/16	0	7¼								
	12	k bc	1	L	3½	2½	5/16	1	5								
	13	FW	1	WD			¼	5	6								
	14																
	15		ONE- HAND RAIL- 541B														
	16	k m^R_L	~~1~~ 3	L	3½	3½	⅜	4	1¼								
	17	k n	1	L	3½	3½	⅜	2	5¾								
	18	k p	1	L	2½	2½	5/16	19	3½								
	19	k t	1	L	2½	2½	5/16	19	3½								
	20	k w	2	L	2½	2½	5/16	2	10 15/16								
	21	k y	2	W	2¼	13/16	¼			RING FILLS							
	22	FW	1	WD			¼	5	9								
	23	FW	1	WD			⅛	1	2								
	24	SD	1	WD			¼	0	5								
	25																
	26																
	27																
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	61																
	62																

D1

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N. Y. SEP 10 1970
BY FFW

Open Holes are for
High Strength Standard Bolts.
NO PAINT within 3" of holes

		1		ONE HAND RAIL		541B	SUBLET FABR.
			1	ONE HAND RAIL		541A	SHIP DIRECT
		M1	M19	NO.	DESCRIPTION	MARK	REMARKS

D1

INST. REQUIRED LIST

MATERIAL: ASTM- A588
RIVETS OR BOLTS: NONE
OPEN HOLES: 13/16"φ U.N.
A325 FIELD BOLTS NONE
SHOP CONTACT SURFACES NO PAINT

PAINT: ONE SHOP COAT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
R4	9/11	JAO
A3	5/11	WB
R2	4/11	JAO
D1	2-10-70	KT

REVISION

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

HAND RAIL @ L15'

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 JAO DATE 1-25-70 IN CHARGE LG
CHECKED BY HKT DATE 1-26-70 SHOP NO.
CONTRACT CG6290-090 DRAWING NO. 541

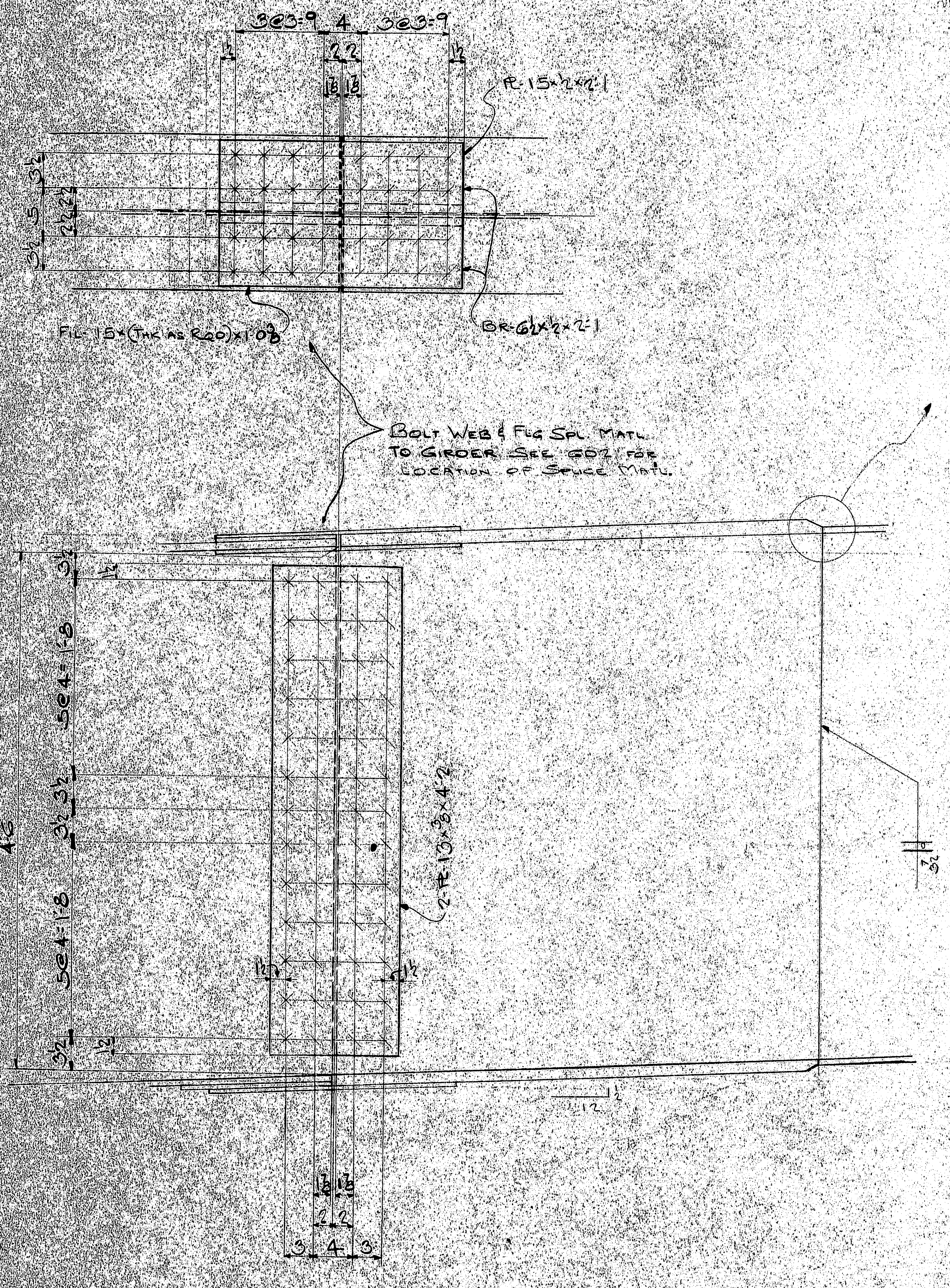
35453 (Rev.D 8-69)

121-192

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

E23

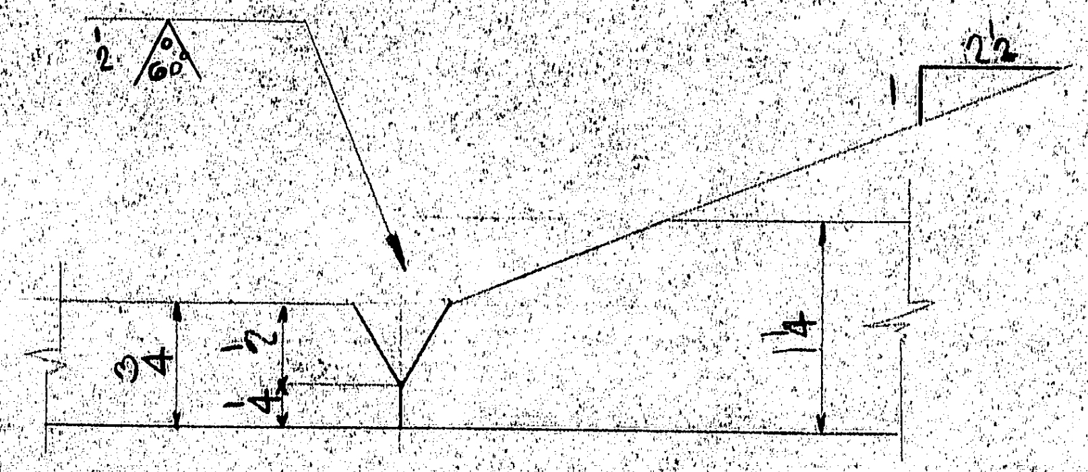
DES. SHT 36



BOLT WEB & FLG SPL. MATL. TO GIRDER. SEE GD2 FOR LOCATION OF SPLICE MATL.

TYPICAL GIRDER SPLICES

(STRAIGHT SPANS-NO RADIUS)



TYP FLANGE SPLICE

OTHER SIZE PL'S SIMILAR

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HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY SN
SEP 15 1969

SA GD-15-500.5

RIVETS
OPEN HOLES
REAM
MILLING
PAINT
WELDING
SHOP CONTACT SURFACES

133:76

TEMP.
SUPT.
LAYOUT
FITTER
SHOP INSP.
PC. WK.
B. SMITH
MCH.
ERECT.
O. INSP.
WEIGHTS

SHOP NO.

MAINE STATE HIGHWAY COMMISSION
PISCATAQUA RIVER BRIDGE
PROJECT NO. I-95-1(22)16
CONTRACT #3- NEW HAMPSHIRE APPROACH
STRUCTURAL STEEL

BETHLEHEM STEEL COR

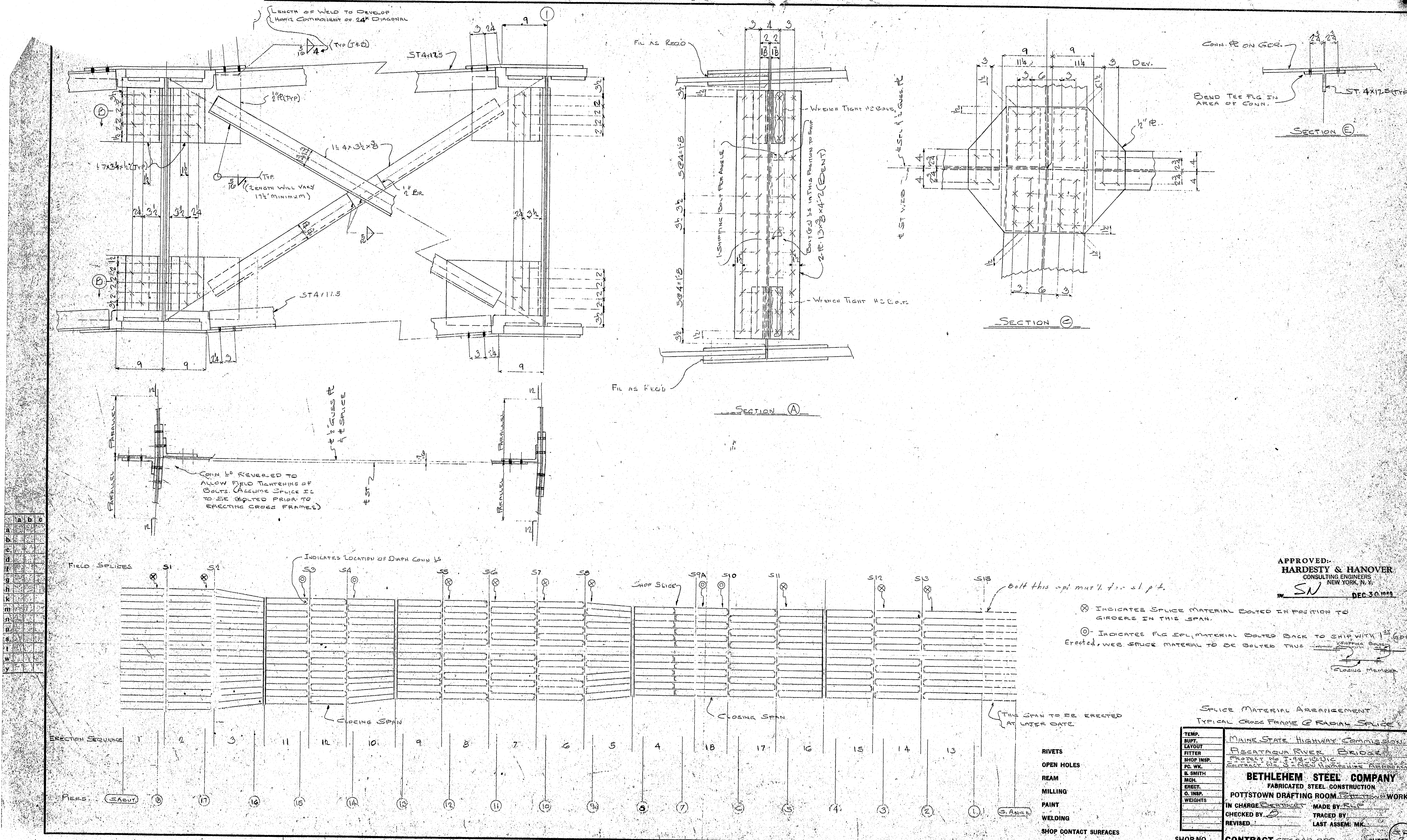
FABRICATED STEEL CONSTRUCTION

POTTSTOWN DRAFTING ROOM, POTTSTOWN WORKS

IN CHARGE BERTOLET MADE BY ELP
CHECKED BY B TRACED BY
REVISED LAST ASSEM. MK.

CONTRACT CJ6249-000 SHEET GD 1

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX


Length of Weld to Develop Horiz Component of 24K Diagonal
5/16 ▷ 4 (Typ (T&B))
ST4x17.5
1
9
3 2¼
½" ℘ (Typ)
B
B
∟7x3¼x½ (Typ)
∟4x3½x3/8
5/16 (Typ) (Length will vary 17½" minimum)
½" Br
2¼ 3½
3½ 2¼
ST4x11.5
9 9
2¼ 3
3 2¼
9
Fil as Req'd
3 4 3
2 2
Wrench Tight H.S. Bolts
1-Shipping Bolt Per Angle
Bolt(s) in This Position to Ship
2-℘ 13x3/8x4'-2 (Bent)
5@4=1'-8
3½ 3½
Wrench Tight H.S. Bolts
Section A
℄ Spl. ℄ ½" Guss ℘
℄ ST Web
9 9
11¼ 11¼
3 6 3
3 Dev.
½" ℘
Section C
Conn. ℘ on Gdr.
Bend Tee Flg in Area of Conn.
ST 4x17.5 (Typ)
Section E
Parallel
12
℄ ½" Guss ℘ ℄ Splice
℄ ST
Conn ∟s Reversed to Allow Field Tightening of Bolts. (Assume Splice is to be Bolted Prior to Erecting Cross Frames)
Field Splices
S1 S2 S3 S4 S5 S6 S7 S8 S9A S10 S11 S12 S13 S15
Indicates Location of Diaph Conn ∟s
Shop Splice
Closing Span
Closing Span
Bolt this spl mat'l for sl pt.
This Span to be Erected at Later Date
Erection Sequence 1 2 3 11 12 10 9 8 7 6 5 4 18 17 16 15 14 13
Piers S.Abut. 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 S.Anch.
Shipping Bolts
Closing Member

⊗ Indicates Splice Material Bolted in Position to Girders in this Span.

◎ - Indicates Flg Spl. Material Bolted Back to Ship with 1st Gdr. Erected, Web Splice Material to be Bolted thus

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
NEW YORK, N.Y.
BY SN DEC 30 1969

Splice Material Arrangement
Typical Cross Frame @ Radial Splice

TEMP.	
SUPT.	
LAYOUT	
FITTER	
SHOP INSP.	
PC. WK.	
B. SMITH	
MCH.	
ERECT.	
O. INSP.	
WEIGHTS	

RIVETS
OPEN HOLES
REAM
MILLING
PAINT
WELDING
SHOP CONTACT SURFACES

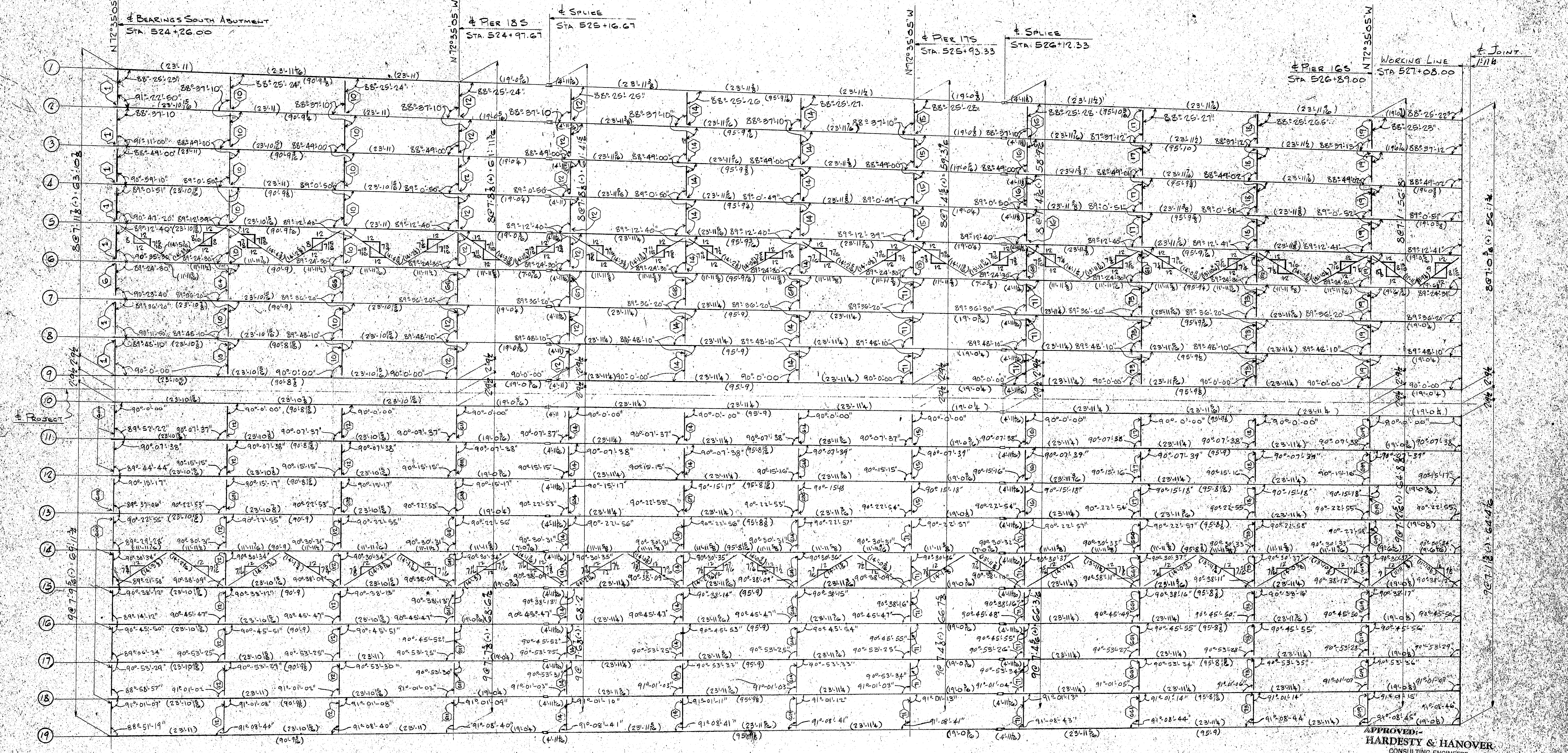
Maine State Highway Commission
Piscataqua River Bridge
Project No. I-95-1(2)1C
Contract No. 3 - New Hampshire Approach

BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM Pottstown WORKS
IN CHARGE Bertolet MADE BY RLP
CHECKED BY B TRACED BY
REVISED LAST ASSEM. MK.
SHOP NO. CONTRACT CJG249-000 SHEET SP 2

3200-1m-5,56-B

133:77

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY
AUG 18 1969

Figures shown in parenthesis ( ) are detailing dims adjusted to suit 68°F. and on slope of Gdr.

Indicates Card No. 10 ← Arrow indicates high girder point

Cross Frames

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

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

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

REVISION

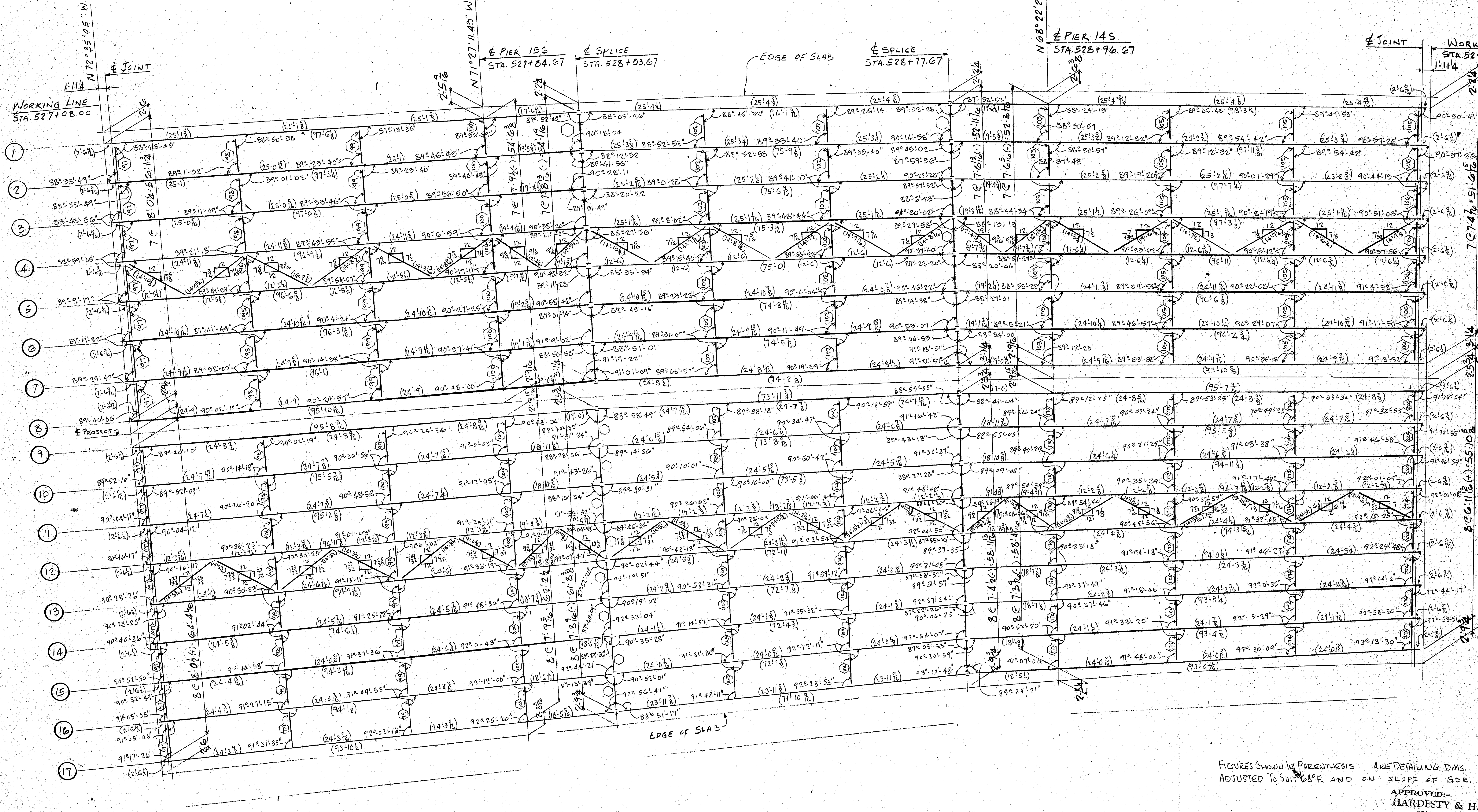
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER
Maine State Highway Commission
Piscataqua River Bridge
STRUCTURE
Project No I-95-1(22)16
Cont. No 3 New Hampshire App.
Structural Steel

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM Pottstown WORKS
MADE BY R.D. DATE IN CHARGE B. K. Bertolet
CHECKED BY K.P. DATE SHOP NO.
CONTRACT CJ6249 DRAWING NO. GD3

133:78

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



FIGURES SHOWN IN PARENTHESIS ARE DETAILING DIMS. ADJUSTED TO SUIT 68°F. AND ON SLOPE OF GDR.

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y. AUG 18 1969
BY J. W. Garcia

INDICATES CARD No. 98 ←ARROW INDICATES HIGH GIRDER POINT

CROSS FRAMES

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

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

DUE TO	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
PISCATAQUA RIVER BRIDGE
STRUCTURE
PROJECT NO I-95-1(22) 16
CONT. NO 3 NEW HAMPSHIRE APP.
STRUCTURAL STEEL

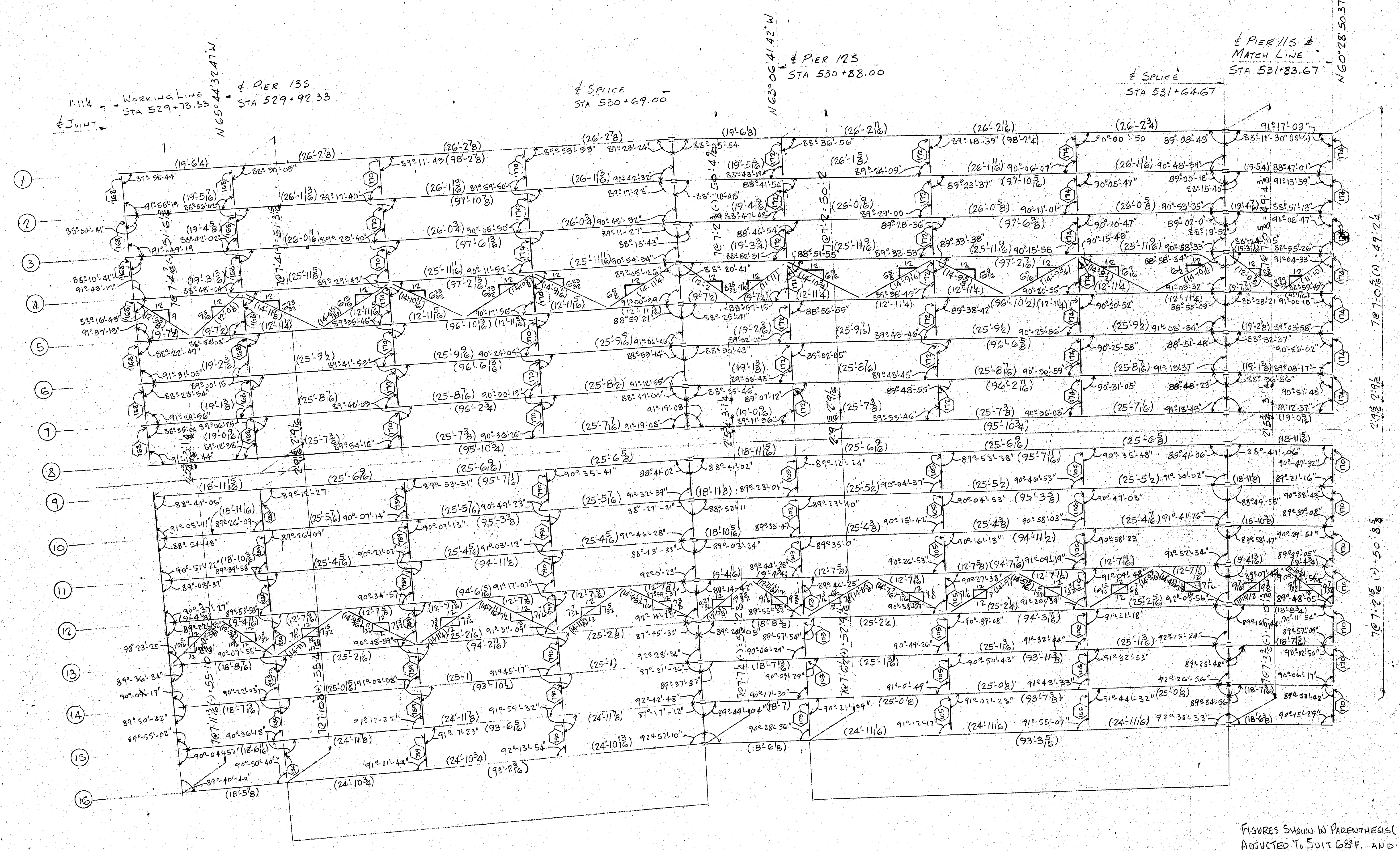
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS
MADE BY RDN DATE IN CHARGE B.K. BERTOLET
CHECKED BY RP DATE SHOP NO.
CONTRACT CJ6249 DRAWING NO. GD4

133:79

34016 (Rev.C 3-66)

E6

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



Indicates Card No. 167 → Arrow Indicates High Girder Point.

CROSS FRAMES

FIGURES SHOWN IN PARENTHESIS( ) ARE DETAILING DIMS. ADJUSTED TO SUIT 68°F. AND ON SLOPE OF GDR.

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HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY

AUG 18 1969

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

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

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

DUE TO

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

CUSTOMER MAINE STATE HIGHWAY COMMISSION
PISCATAQUA RIVER BRIDGE
STRUCTURE PROJECT NO I-95-1 (22) 16
CONT NO 3 NEW HAMPSHIRE APP.
STRUCTURAL STEEL

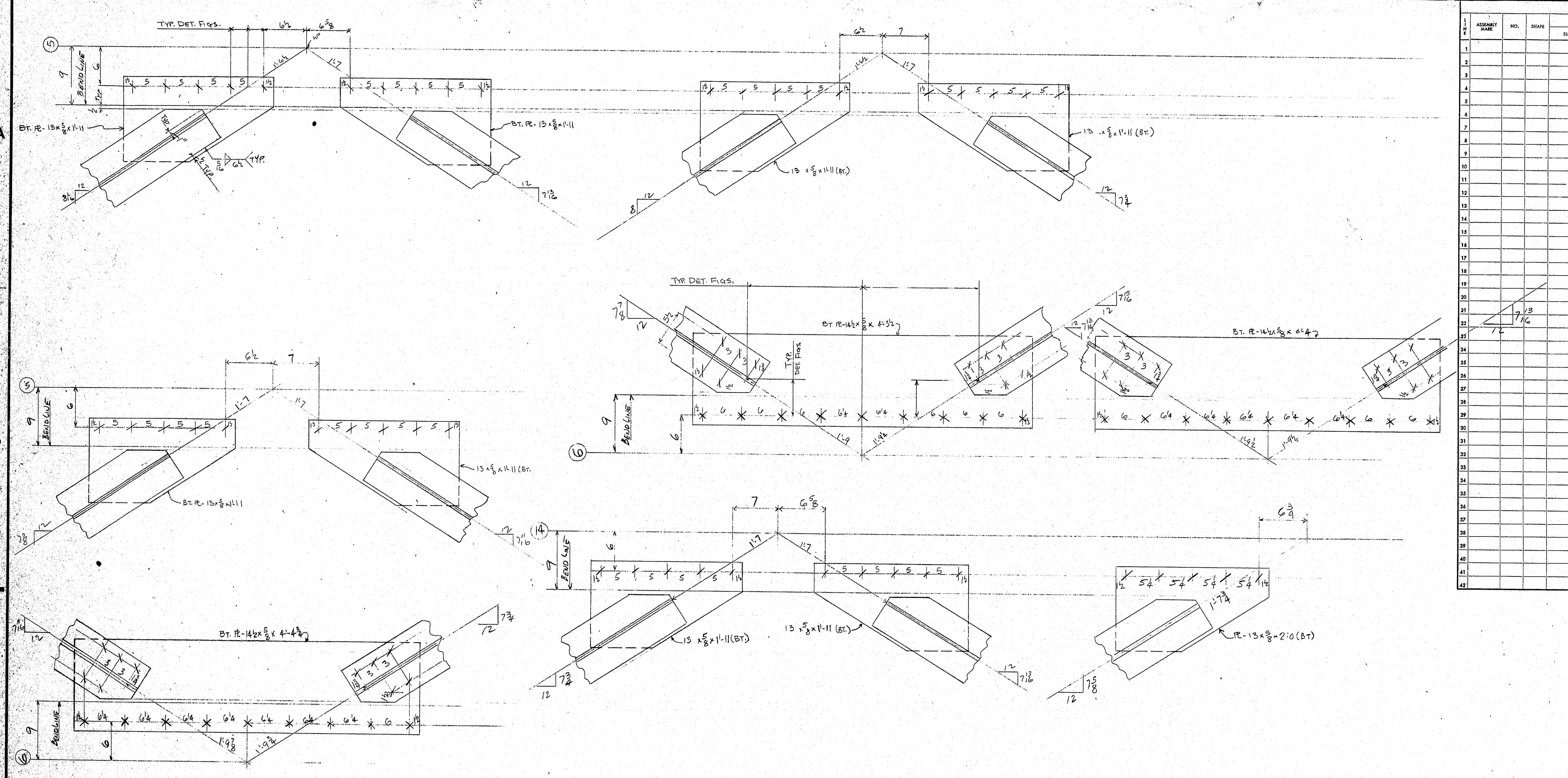
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

POTTSTOWN DRAFTING ROOM POTTSTOWN WORKS WORKS
MADE BY R.D.N. DATE ____ IN CHARGE B. K. BERTOLET
CHECKED BY R.P. DATE ____ SHOP NO. ____
CONTRACT CJ6249. DRAWING NO. GD5

133:80

36016 (Rev.C 3-66)

tp touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX tp



	SHOP BILL									MILL ORDER			
LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION			LENGTH		REMARKS	LENGTH		ITEM	
				Size	Size or Pounds	Thick	Ft.	In.		Ft.	In.	Page	Line
1													
2													
3													
4													
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42													

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N. Y.
BY SN
SEP 15 1969

LATERAL BRACING = ST10WF31
✳ = 15/16" OPEN HOLES
✳ = ⅞" 325 BOLTS

BRACING LAYOUTS – SPAN #1 (FOR BEVELS SHOWN)

RIVETS
OPEN HOLES
REAM
MILLING
PAINT
WELDING
SHOP CONTACT SURFACES

133:81

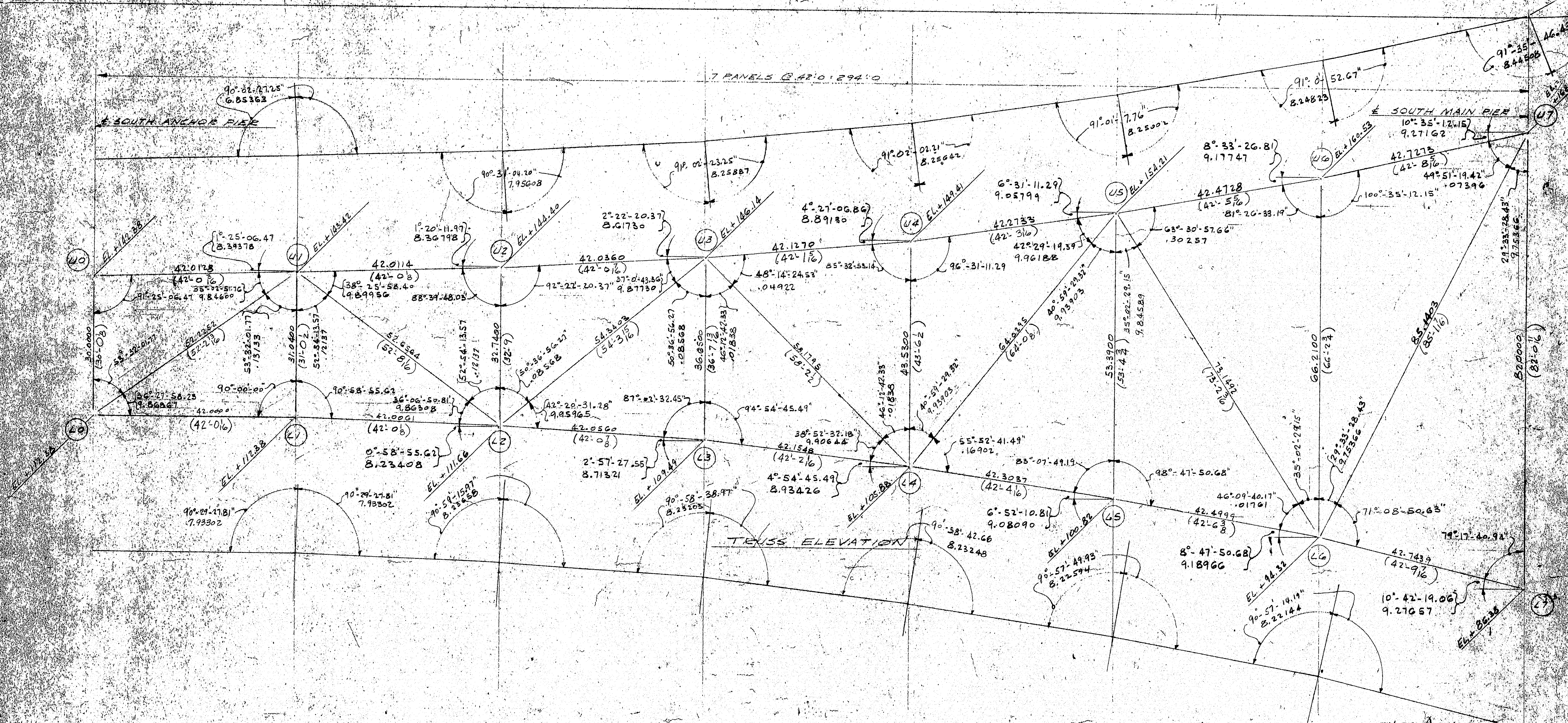
TEMP.	
SUPT.	
LAYOUT	
FITTER	
SHOP INSP.	
PC. WK.	
B. SMITH	
MCH.	
ERECT.	
O. INSP.	
WEIGHTS	

SHOP NO.

MAINE STATE HIGHWAY COMMISSION
PISCATAQUA RIVER BRIDGE
PROJECT NO. I-95-1(22)16
CONT. NO. 3 NEW HAMPSHIRE APP.
STRUCTURAL STEEL
~~CORPORATION~~
BETHLEHEM STEEL COMPANY
FABRICATED STEEL CONSTRUCTION
POTTSTOWN DRAFTING ROOM POTTS. WORKS
IN CHARGE BKB MADE BY RD
CHECKED BY RLP-7-31-69 TRACED BY
REVISED LAST ASSEM. MK.
CONTRACT CJ-6249 SHEET GD 17

34303 (5-63)

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



NOTE Ⓓ

① 31.0400 = GEOMETRIC LENGTH

② (52'-2 3/4) = FABRICATED LENGTH

③ FIGURES UNDER THE DEGREES ARE LOG. TANGENTS OF THE DEGREE..

APPROVED:-
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
MAR 9 - 1970
BY F.F.W.

WORK THIS SHT. WITH GD7 & GD8

TRUSS ELEVATION

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

DUE TO	NO.	DATE	INIT.
	0		
	9		
	8		
	7		
	6		
	5		
	4		
	3		C.I.
	2		
	1	12-18	CAD

REVISION

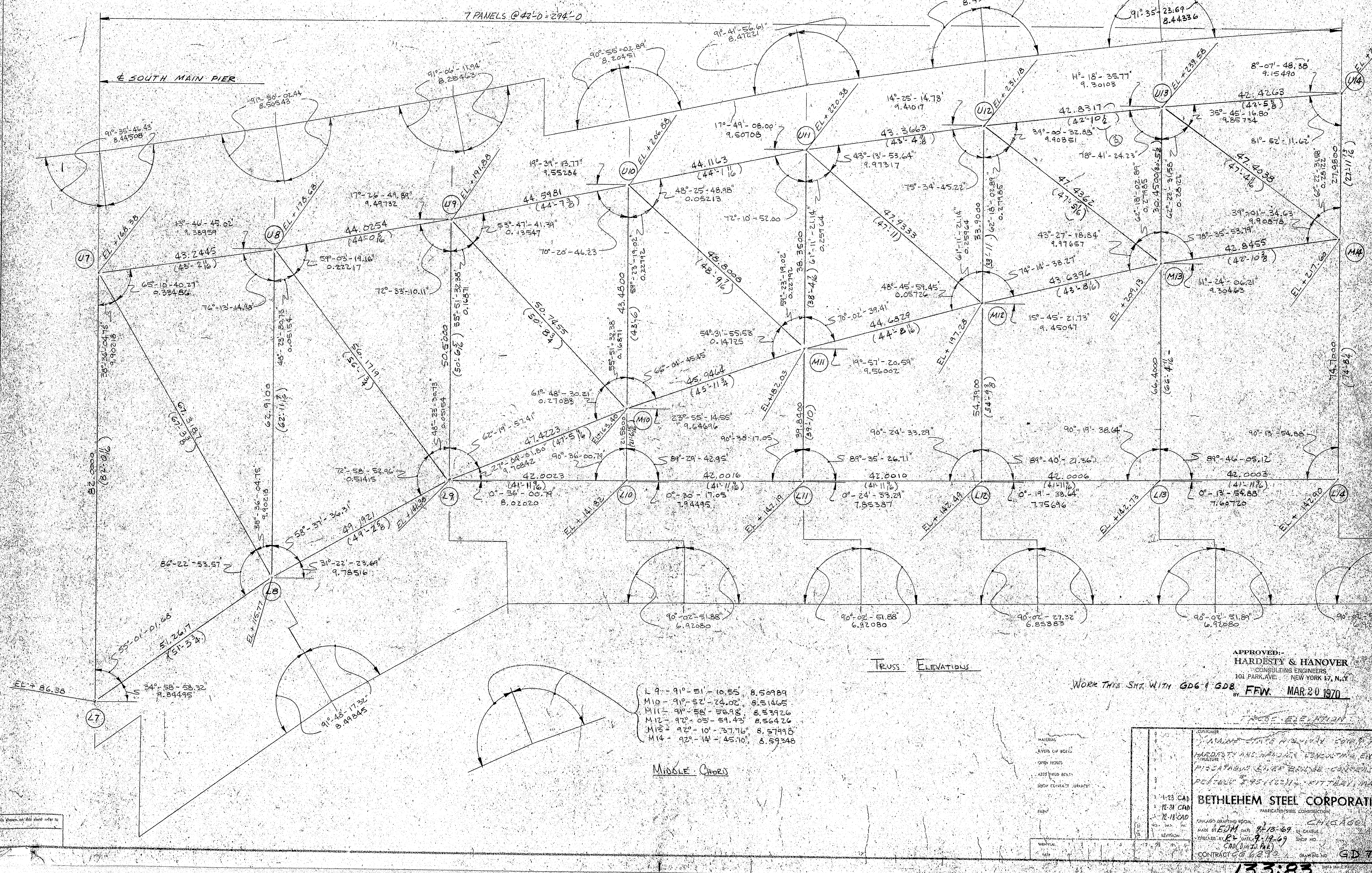
SUBMITTAL	1	2	3	4	5	6	7	8	9	0
DATE										

CUSTOMER MAINE STATE HIGHWAY COMM.
HARDESTY AND HANOVER CONSULTING ENGR.
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 RS DATE 9-10-69 IN CHARGE LAG
CHECKED BY EJM DATE 9-18-69 SHOP NO.
CAD (DIM. IN PAR.)
CONTRACT CG 6290 DRAWING NO. GDG

133:82

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



L 9 - 91°-51'-10.55", 8.50989
M10 - 91°-52'-24.02", 8.51465
M11 - 91°-58'-56.98", 8.53926
M12 - 92°-05'-59.43" 8.56426
M13 - 92°-10'-37.76", 8.57998
M14 - 92°-14'-45.10", 8.59348

MIDDLE CHORD

TRUSS ELEVATIONS

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

WORK THIS SHT. WITH GD6 & GD8

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CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
BY FFW. MAR 20 1970

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

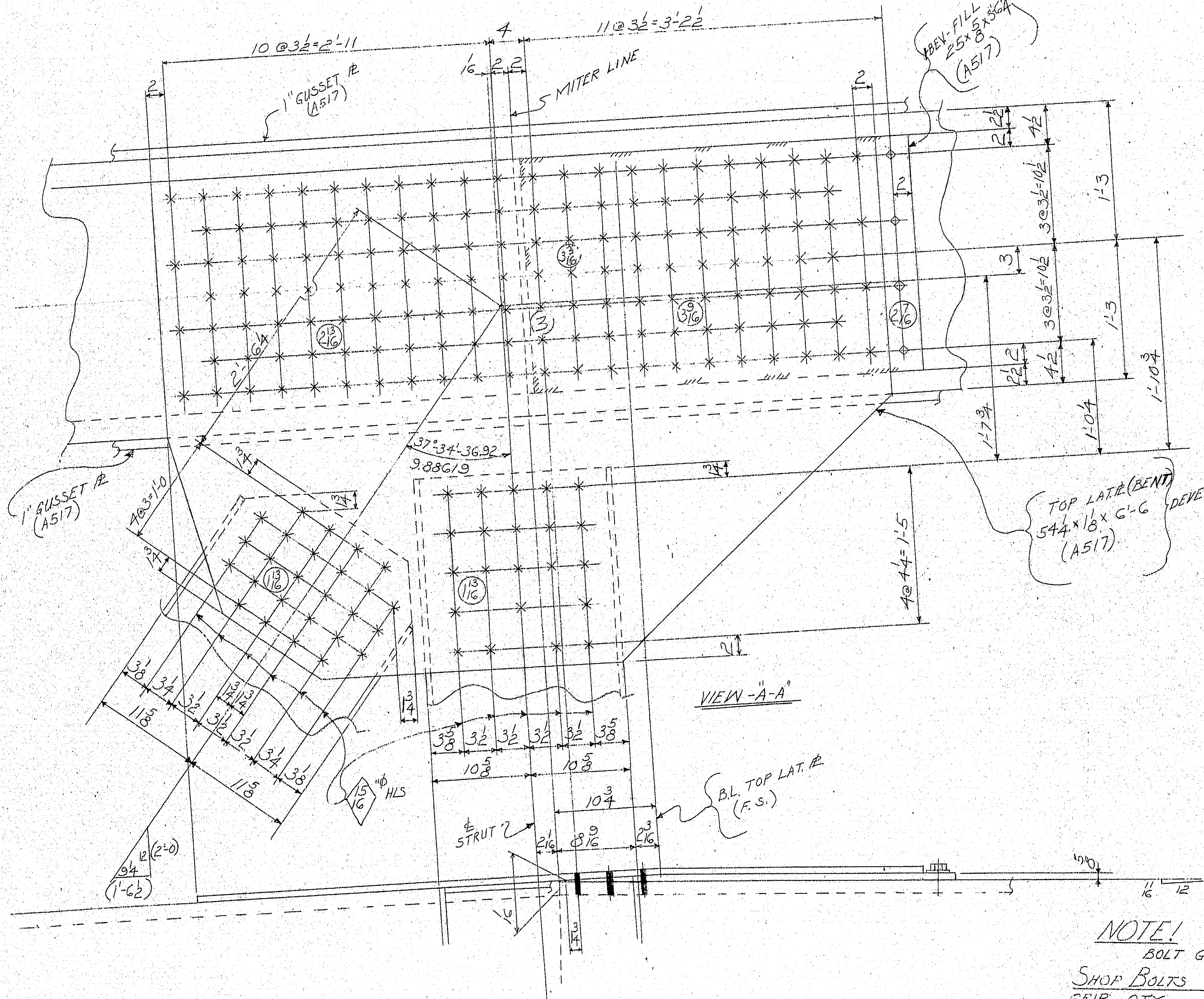
1-23	CAD
12-31	CAD
12-18	CAD
NO. DATE	INI.
REVISION	

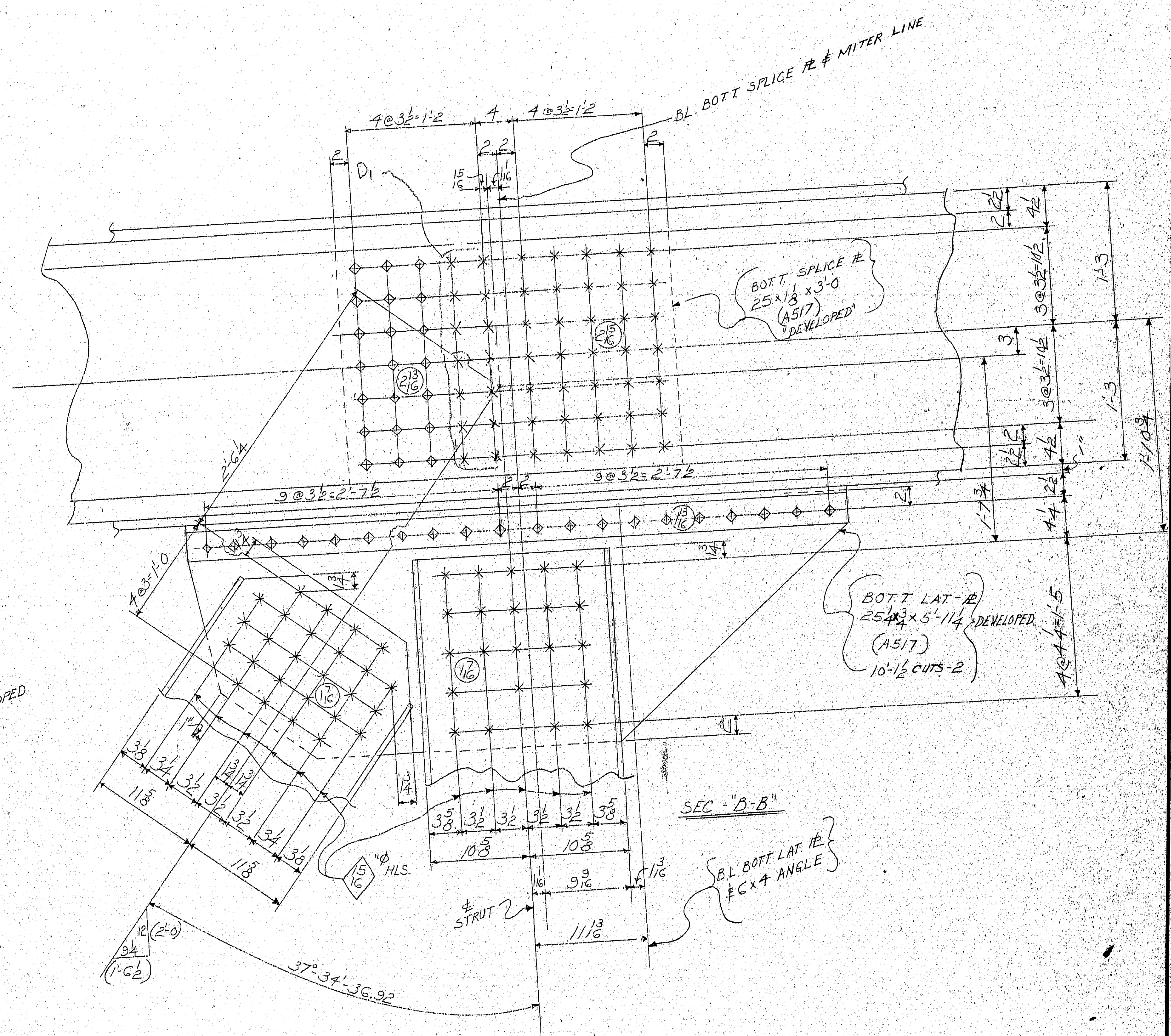
CUSTOMER [illegible]
HARDESTY AND HANOVER CONSULTING ENG'RS
STRUCTURE PISCATAQUA RIVER BRIDGE [illegible]
[illegible] KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY EJM DATE 9-13-69 IN CHARGE
CHECKED BY R2 DATE 9-19-69 SHOP NO.
CAD (DIM IN PAR)
CONTRACT GG 6299 DRAWING NO. GD 7

133:83

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX




B.L. BOTT. SPLICE ℞ & MITER LINE
4@3½=1'-2
4
4@3½=1'-2
D₁
BOTT. SPLICE ℞ 25×1⅛×3'-0 (A517) "DEVELOPED"
1'-3
1'-10¾
9@3½=2'-7½
9@3½=2'-7½
4@3=1'-0
BOTT LAT.℞ 25¾×⅝×5'-11¼ DEVELOPED (A517) 10'-1½ CUTS-2
4@4¼=1'-5
SEC "B-B"
B.L. BOTT. LAT.℞ & 6×4 ANGLE
11⅝
10⅜
11 13/16
℄ STRUT
1⁵⁄₁₆ Ø HLS.
37°-34'-36.92
(1'-6½)
(2'-0)

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

NOTE!

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

SHOP BOLTS

GRIP	QTY.	
$2\frac{7}{16}$	4	HSBS 1"Ø × $3\frac{3}{4}$
$2\frac{13}{16}$	21	HSB^S 1"Ø × 4
$1\frac{13}{16}$	20	HSB^S 1"Ø × 3

FOR ONE; D₁

FIELD BOLTS

GRIP	QTY.	
$2\frac{13}{16}$	88	HSB^S 1"Ø × 4
3	7	HSB^S 1"Ø × $4\frac{1}{4}$
$3\frac{3}{16}$	7	HSB^S 1"Ø × $4\frac{1}{2}$
$3\frac{9}{16}$	60	HSB^S 1"Ø × $4\frac{3}{4}$
$1\frac{13}{16}$	48	HSB^S $\frac{7}{8}$Ø × 3
$2\frac{15}{16}$	35	HSB^S 1"Ø × $4\frac{1}{4}$
$1\frac{7}{16}$	48	HSB^S $\frac{7}{8}$Ø × $2\frac{1}{2}$

D₁; FOR ONE

MATERIAL - AS NOTED
~~RIVETS OR~~ BOLTS 1"Ø
OPEN HOLES - $1\frac{1}{16}$"Ø U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

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

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

TOP & BOTT. LATERAL ℞S @ POINT U15

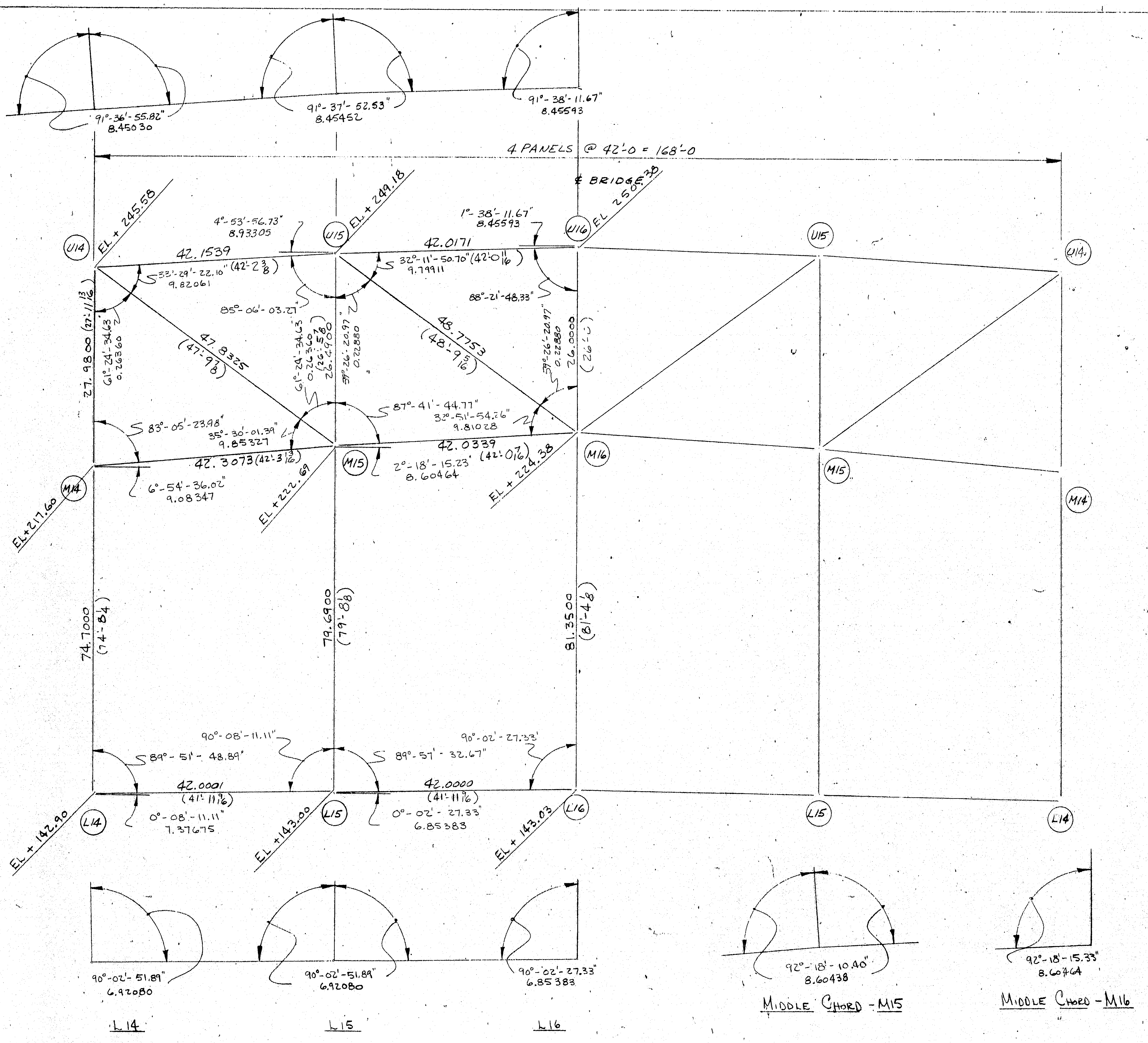
NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
D	3-3	③LM

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 CHGO WORKS
MADE BY DP DATE 1-28-70 IN CHARGE L.G.
CHECKED BY LM DATE 2-10-70 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. 6D7CBB

133:84



TRUSS ELEVATION

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BY F.F.W. MAR 9 - 1970

WORK THIS SHT. WITH GD6 & GD7

TRUSS ELEVATION

MATERIAL
RIVETS OR BOLTS
SHOP HOLES
ASSEMBLED BOLT
SHOP CONTACT SURFACES
PAINT

12-18 CAD
REVISION

CUSTOMER
MAINE STATE HIGHWAY COMM.
HARDESTY AND HANOVER CONSULTING ENGR.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT # 5
PROJECT I-95-1(23)16 KITTERY, MAINE

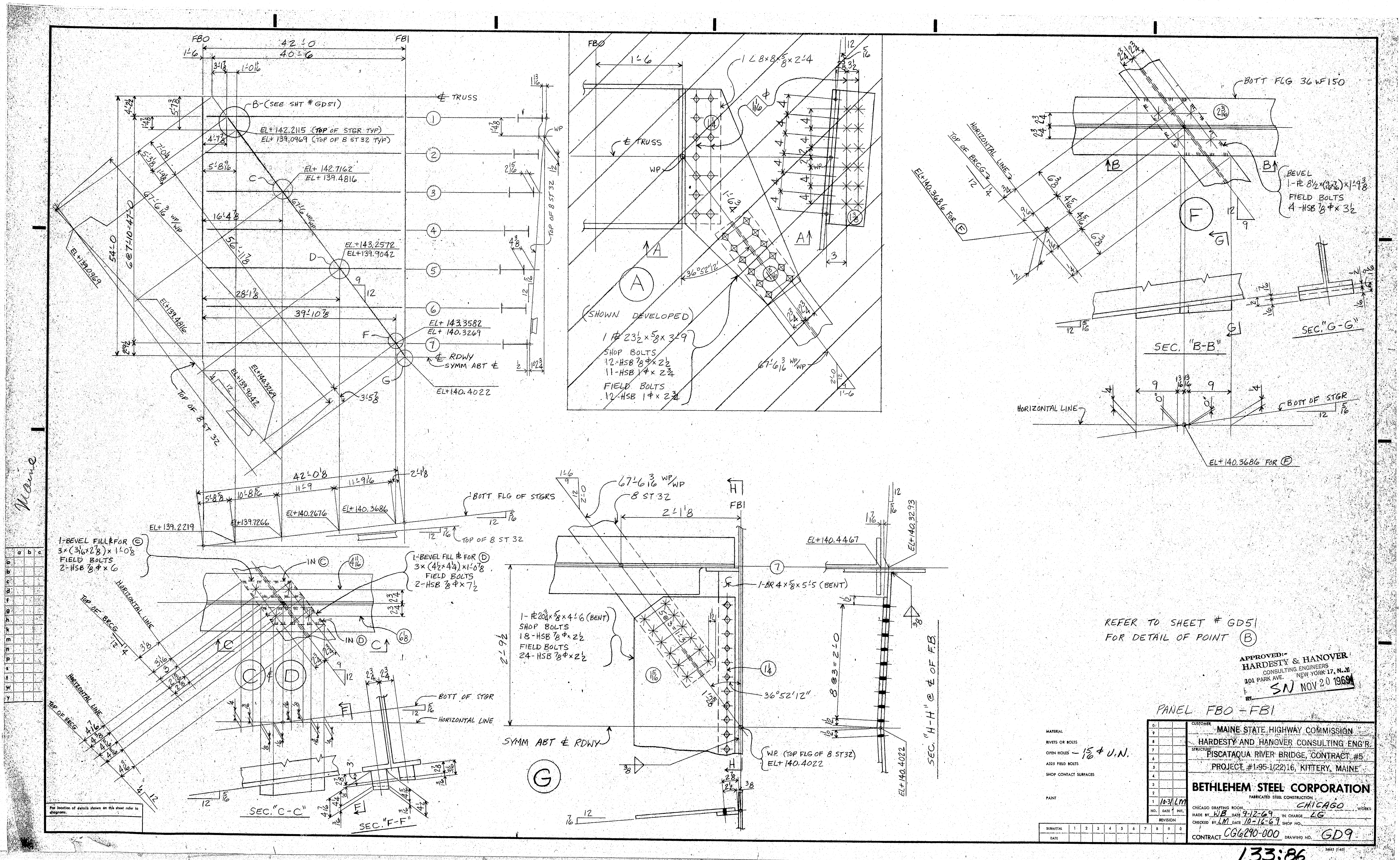
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY EJM DATE 9-13-69 IN CHARGE LAG
CHECKED BY R DATE 9-19-69 SHOP NO
CAD (ONLY IN PAR.)
CONTRACT [illegible] DRAWING NO GD.8

133:85

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

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



REFER TO SHEET # GD51
FOR DETAIL OF POINT Ⓑ

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BY SN NOV 20 1969

PANEL FBO - FB1

MATERIAL
RIVETS OR BOLTS
OPEN HOLES — 15/16 ⌀ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
1	10-31	LM

REVISION

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

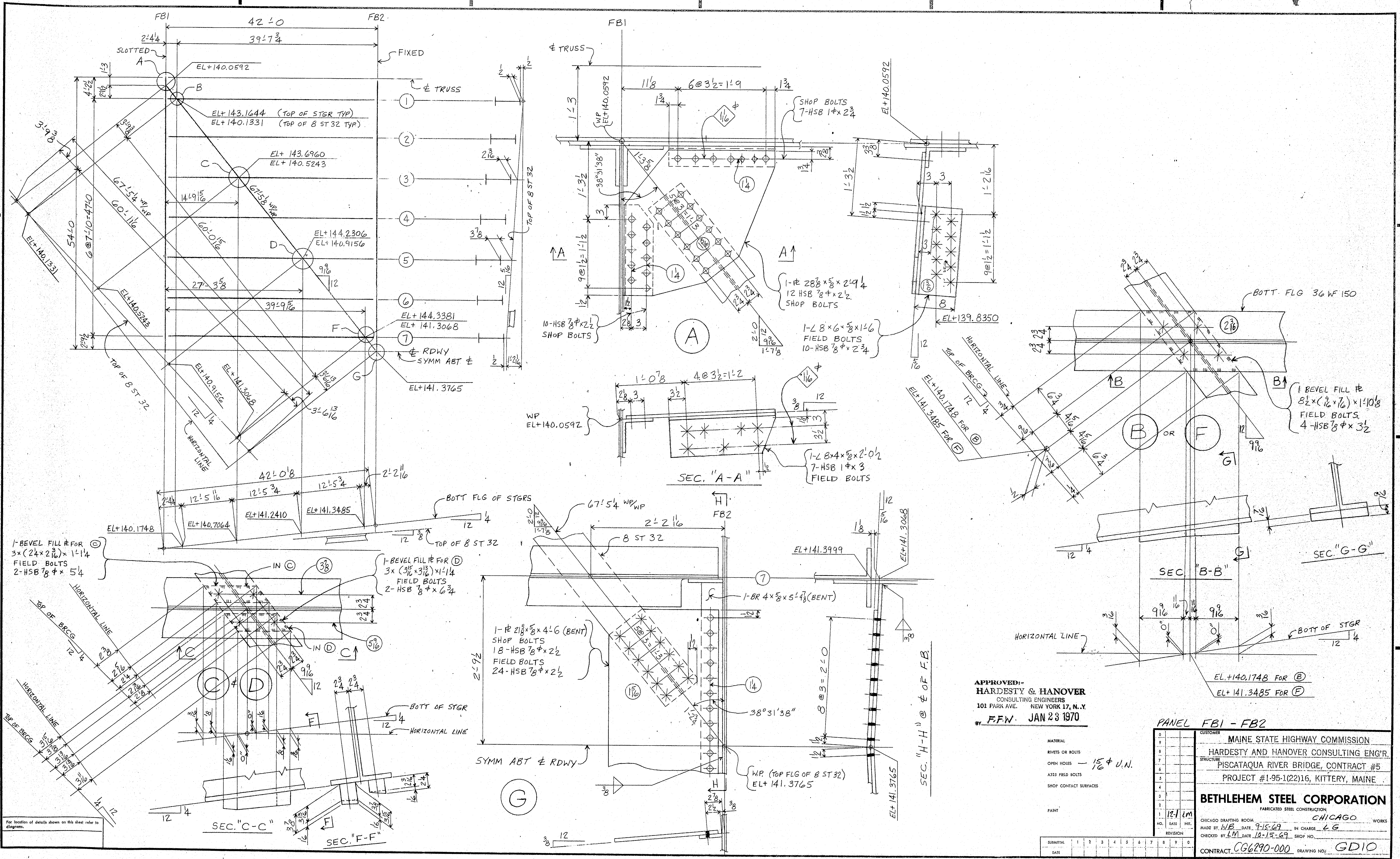
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 9-12-69 IN CHARGE LG
CHECKED BY LM DATE 10-16-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD9

36663 (1-65)

133:86

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



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101 PARK AVE. NEW YORK 17, N.Y.
BY F.F.W. JAN 23 1970

PANEL FB1 - FB2

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

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
3		
2		
1	12-1	LM

REVISION

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

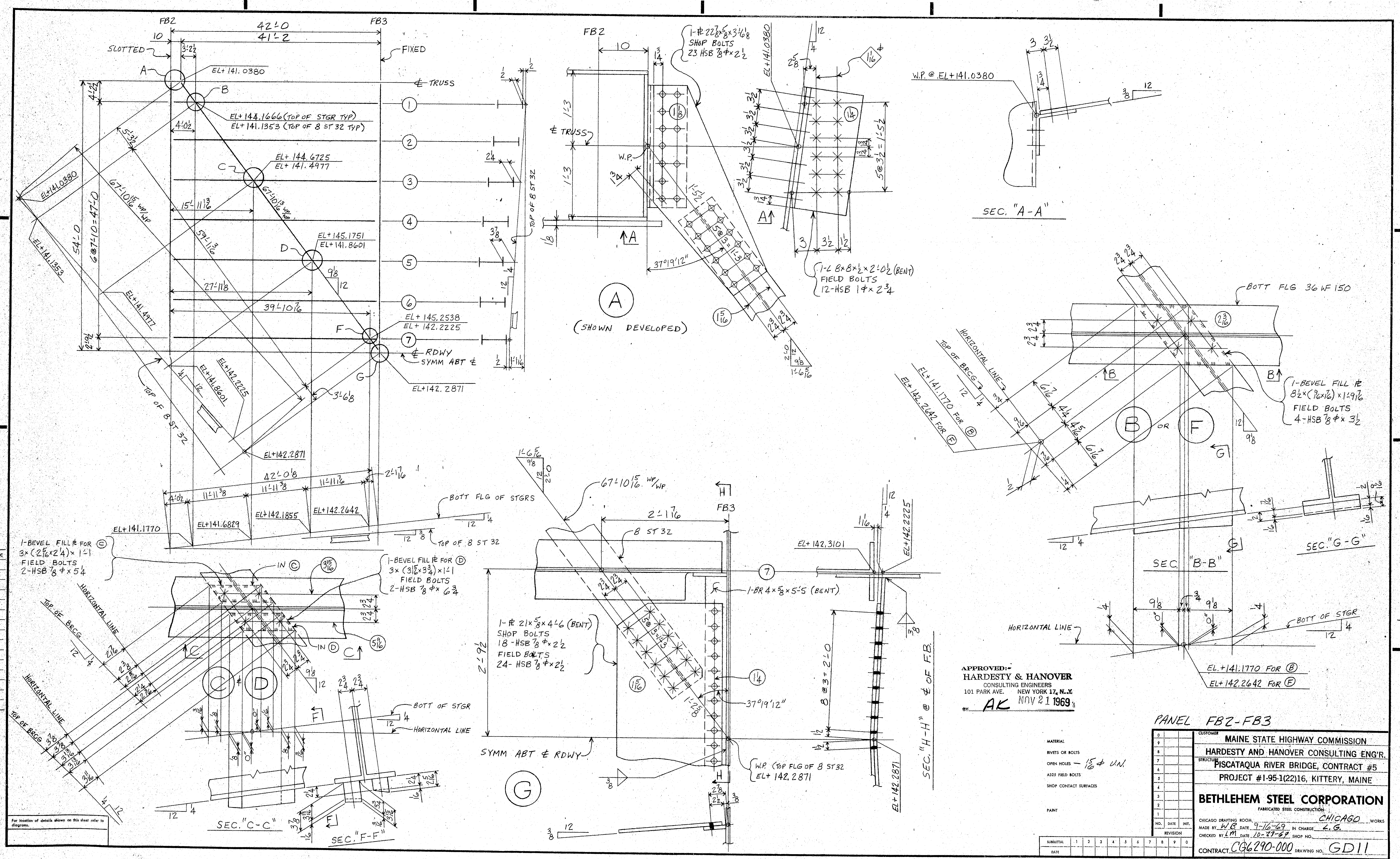
CUSTOMER MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE.

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY WB DATE 9-15-69 IN CHARGE LG
CHECKED BY LM DATE 10-15-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD10

133:87

36663 (1-65)

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX


FB2
FB3
42'-0
41'-2
SLOTTED
FIXED
℄ TRUSS
EL+141.0380
EL+144.1666 (TOP OF STGR TYP)
EL+141.1353 (TOP OF 8 ST 32 TYP)
EL+144.6725
EL+141.4977
EL+145.1751
EL+141.8601
EL+145.2538
EL+142.2225
EL+142.2871
℄ RDWY SYMM ABT ℄
67'-10 15/16 WP/WP
6@7'-10=47'-0
54'-0
TOP OF 8 ST 32
A
B
C
D
F
G
1
2
3
4
5
6
7
42'-0 1/8
EL+141.1770
EL+141.6829
EL+142.1855
EL+142.2642
BOTT FLG OF STGRS
(SHOWN DEVELOPED)
1-PL 22 7/8 x 5/8 x 3'-1 1/8 SHOP BOLTS 23 HSB 7/8 ⌀ x 2 1/2
℄ TRUSS
W.P.
37°19'12"
1-L 8x8x1/2 x 2'-0 1/2 (BENT) FIELD BOLTS 12-HSB 1⌀ x 2 3/4
SEC. "A-A"
W.P. @ EL+141.0380
BOTT FLG 36 WF 150
HORIZONTAL LINE
TOP OF BRCG
EL+141.1770 FOR Ⓑ
EL+142.2642 FOR Ⓕ
1-BEVEL FILL PL 8 1/2 x (9/16 x 7/16) x 1'-9 1/16 FIELD BOLTS 4-HSB 7/8 ⌀ x 3 1/2
Ⓑ OR Ⓕ
SEC. "B-B"
SEC. "G-G"
BOTT OF STGR
1-BEVEL FILL PL FOR Ⓒ 3 x (2 5/16 x 2 1/4) x 1'-1 FIELD BOLTS 2-HSB 7/8 ⌀ x 5 1/4
1-BEVEL FILL PL FOR Ⓓ 3 x (3 1/16 x 3 3/4) x 1'-1 FIELD BOLTS 2-HSB 7/8 ⌀ x 6 3/4
IN Ⓒ
IN Ⓓ
Ⓒ Ⓓ
SEC. "C-C"
SEC. "F-F"
8 ST 32
67'-10 15/16 WP/WP
2'-1 7/16
1-BR 4 x 5/8 x 5'-5 (BENT)
1-PL 21 x 5/8 x 4'-6 (BENT) SHOP BOLTS 18-HSB 7/8 ⌀ x 2 1/2 FIELD BOLTS 24-HSB 7/8 ⌀ x 2 1/2
SYMM ABT ℄ RDWY
W.P. (TOP FLG OF 8 ST 32 EL+142.2871
Ⓖ
EL+142.3101
EL+142.2225
EL+142.2871
8 @ 3 = 2'-0
SEC. "H-H" @ ℄ OF F.B.
For location of details shown on this sheet refer to diagrams.

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

PANEL FB2-FB3

MATERIAL
RIVETS OR BOLTS
OPEN HOLES — 15/16 ⌀ U.N.
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										

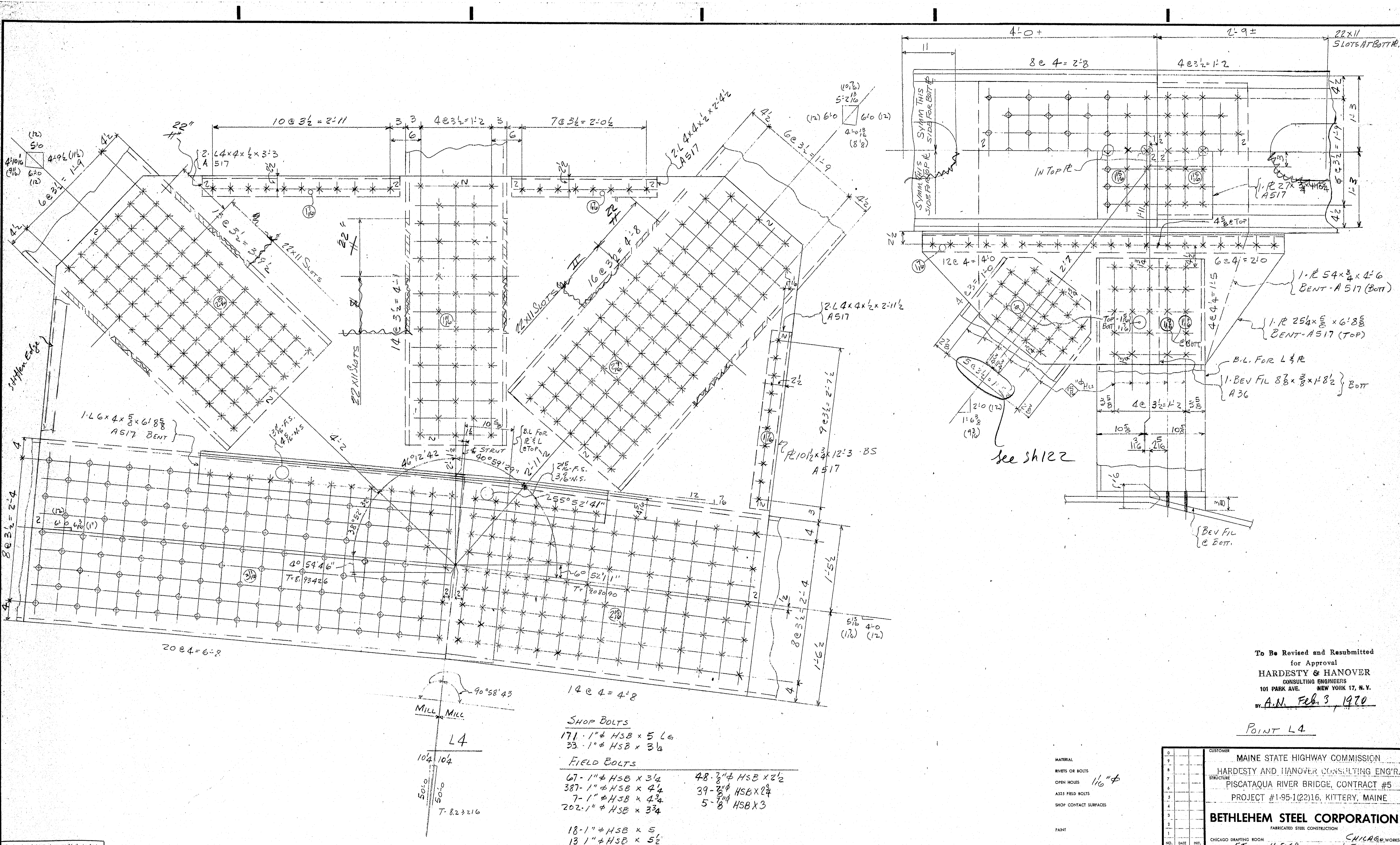
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #1-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM, CHICAGO WORKS
MADE BY WB DATE 9-16-69 IN CHARGE L.G.
CHECKED BY LM DATE 10-23-69 SHOP NO.
CONTRACT CG6290-000 DRAWING NO. GD11

133:88

36663 (1-65)

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



Shop Bolts
171 · 1"ϕ HSB × 5 Lg
33 · 1"ϕ HSB × 3¼

Field Bolts
67 - 1"ϕ HSB × 3¼
387 - 1"ϕ HSB × 4¼
7 - 1"ϕ HSB × 4¾
202 · 1"ϕ HSB × 3¾

18 - 1"ϕ HSB × 5
13 1"ϕ HSB × 5½

78 · 1"ϕ HSB × 2¾
76 · 1"ϕ HSB × 3

48 · ⅞"ϕ HSB × 2½
39 - ⅞"ϕ HSB × 2¾
5 - ⅞"ϕ HSB × 3

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 A.N. Feb. 3, 1970

Point L4

MATERIAL
RIVETS OR BOLTS
OPEN HOLES 1⅟₁₆"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										

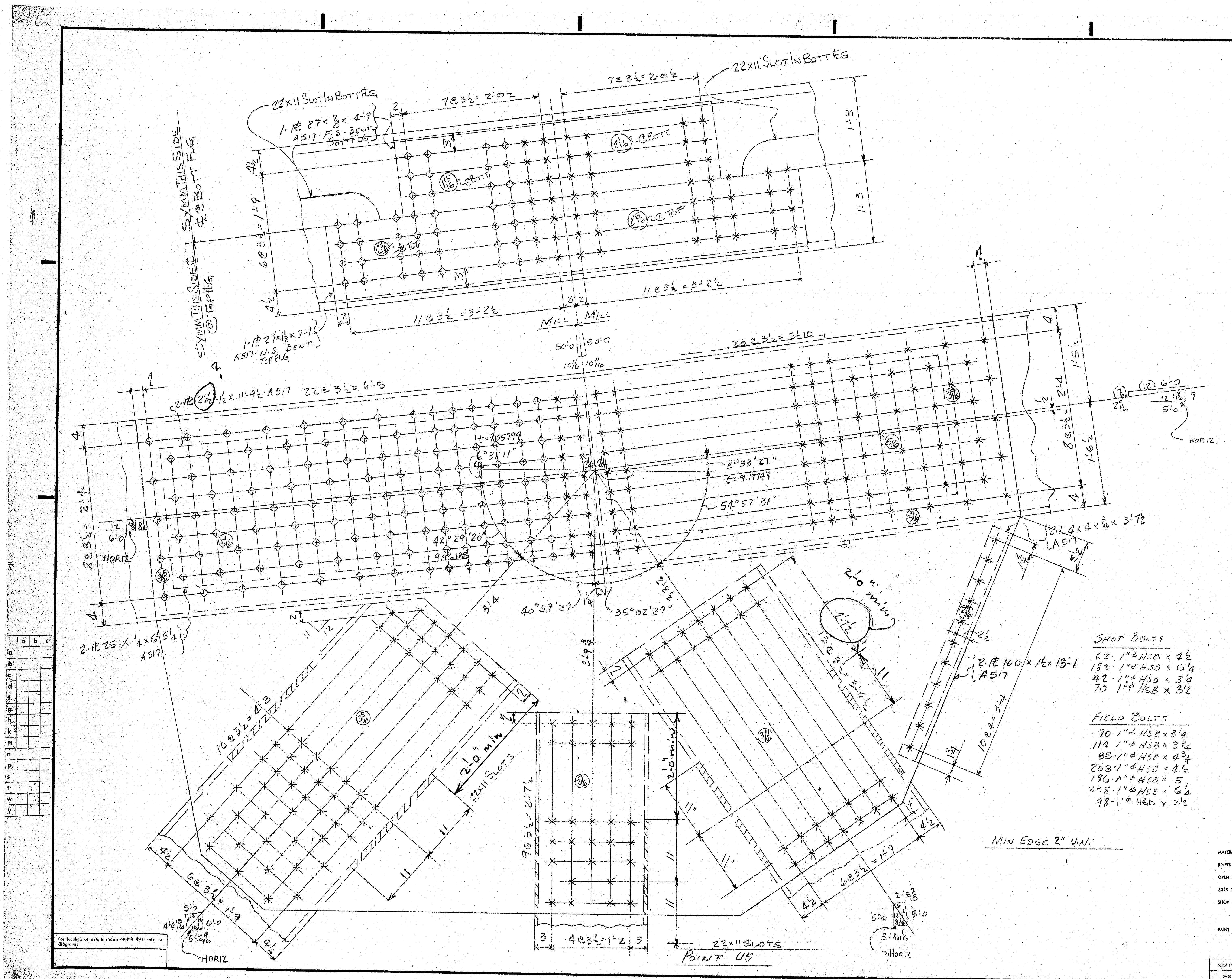
CUSTOMER
MAINE STATE HIGHWAY COMMISSION
HARDESTY AND HANOVER CONSULTING ENG'R.
STRUCTURE
PISCATAQUA RIVER BRIDGE, CONTRACT #5
PROJECT #I-95-1(22)16, KITTERY, MAINE

BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM Chicago WORKS
MADE BY ET DATE 11-5-69 IN CHARGE LG
CHECKED BY RP DATE 11-14-69 SHOP NO.
CONTRACT CG6290 DRAWING NO. GD12

36663 (1-65)

133:89

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



SHOP BOLTS

62-1"φ HSB x 4½
182-1"φ HSB x 6¼
42-1"φ HSB x 3¼
70 1"φ HSB x 3½

FIELD BOLTS

70 1"φ HSB x 3¼
110 1"φ HSB x 3¾
88-1"φ HSB x 4¾
208-1"φ HSB x 4½
196-1"φ HSB x 5
228-1"φ HSB x 6¼
98-1"φ HSB x 3½

MIN EDGE 2" U.N.

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 11 1970

POINT U5

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

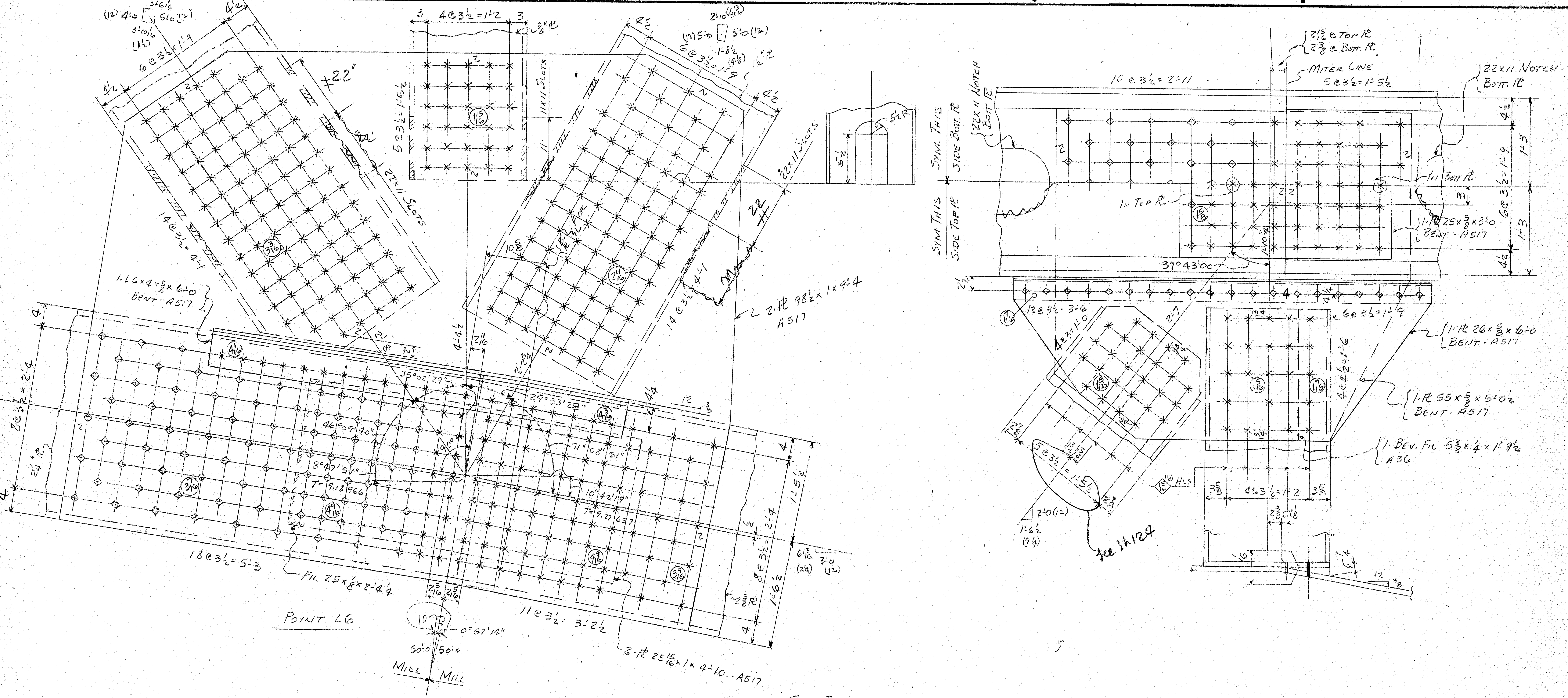
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM WORKS
MADE BY ET DATE 11-6-69 IN CHARGE L.G.
CHECKED BY RP DATE 11-14-69 SHOP NO.
CONTRACT CG 6290 DRAWING NO. GD13

36663 (1-65)

133:90

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX


POINT L6
22x11 SLOTS
11x11 SLOTS
22x11 NOTCH BOTT. PL
MITER LINE
IN TOP PL
IN BOTT PL
SIM. THIS SIDE BOTT. PL
SIM. THIS SIDE TOP PL
1-L6x4x5/8x6'-0 BENT-A517
2-PL 98 1/2 x 1 x 9'-4 A517
FIL 25 x 1/8 x 2'-4 1/4
2-PL 25 15/16 x 1 x 4'-10 - A517
1-PL 25x5/8x3'-0 BENT-A517
1-PL 26x5/8x6'-0 BENT-A517
1-PL 55x5/8x5'-0 1/2 BENT-A517
1-BEV. FIL 5 3/8 x 1/4 x 1'-9 1/2 A36
37°43'00"
See Sh.124
MILL
MILL

SHOP BOLTS

106-HSB 1"⌀x $4\frac{3}{4}$
84-HSB 1"⌀x $5\frac{3}{4}$
36-HSB 1"⌀x 3
20-HSB 1"⌀x $2\frac{3}{4}$

FIELD BOLTS

60-HSB 1"⌀x $3\frac{1}{4}$
182-HSB 1"⌀x 4
200-HSB 1"⌀x $4\frac{1}{2}$
67-HSB 1"⌀x $4\frac{3}{4}$

13-HSB 1"⌀x $5\frac{1}{4}$
7-HSB 1"⌀x $5\frac{1}{2}$
140-HSB 1"⌀x $5\frac{3}{4}$

102-HSB 1"⌀x 3
96-HSB $\frac{7}{8}$"⌀x $2\frac{1}{2}$

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

POINT L6

MATERIAL A36-U.N.
RIVETS OR BOLTS 1"⌀
OPEN HOLES $1\frac{1}{16}$"⌀ U.N.
A325 FIELD BOLTS
SHOP CONTACT SURFACES
PAINT

REVISION NO.	DATE	INIT.
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

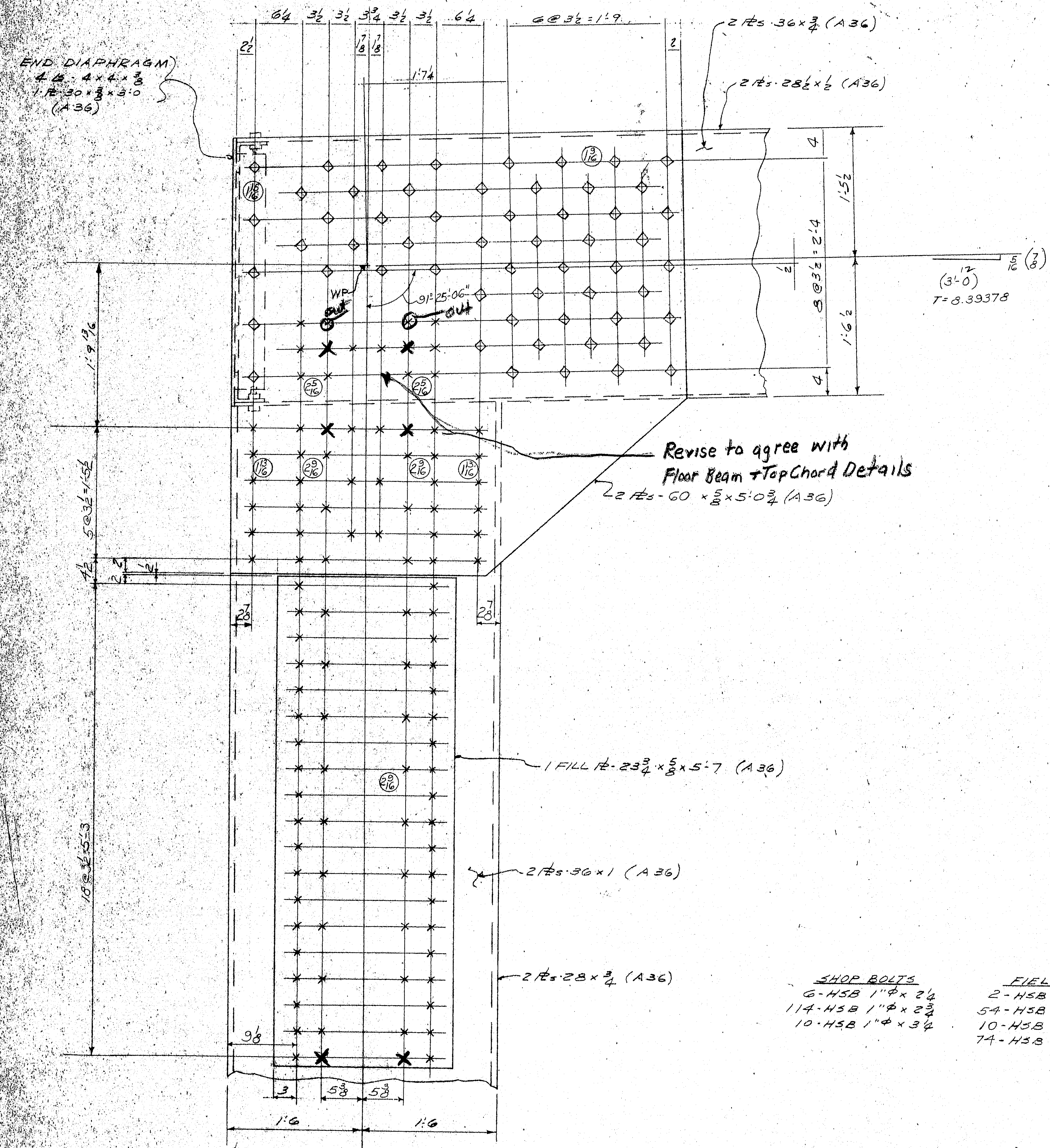
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION
CHICAGO DRAFTING ROOM CHICAGO WORKS
MADE BY ET DATE 10-20-69 IN CHARGE LG
CHECKED BY RJ DATE 11-18-61 SHOP NO.
CONTRACT C6 C2980000 DRAWING NO. 6D14

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

133:91

36663 (1-65)

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX



Revise to agree with
Floor Beam + Top Chord Details

SHOP BOLTS
6-HSB 1"Φ × 2¼
114-HSB 1"Φ × 2¾
10-HSB 1"Φ × 3¼

FIELD BOLTS
2-HSB 1"Φ × 2¾
54-HSB 1"Φ × 3
10-HSB 1"Φ × 3½
74-HSB 1"Φ × 3¾

POINT U0

To Be Revised and Resubmitted
For Approval
HARDESTY & HANOVER
CONSULTING ENGINEERS
101 PARK AVE. NEW YORK 17, N.Y.
MAR 9 - 1970
BY F.F.W.

POINT - U0

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

REVISION NO.	DATE	INIT.
0		
9		
8		
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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

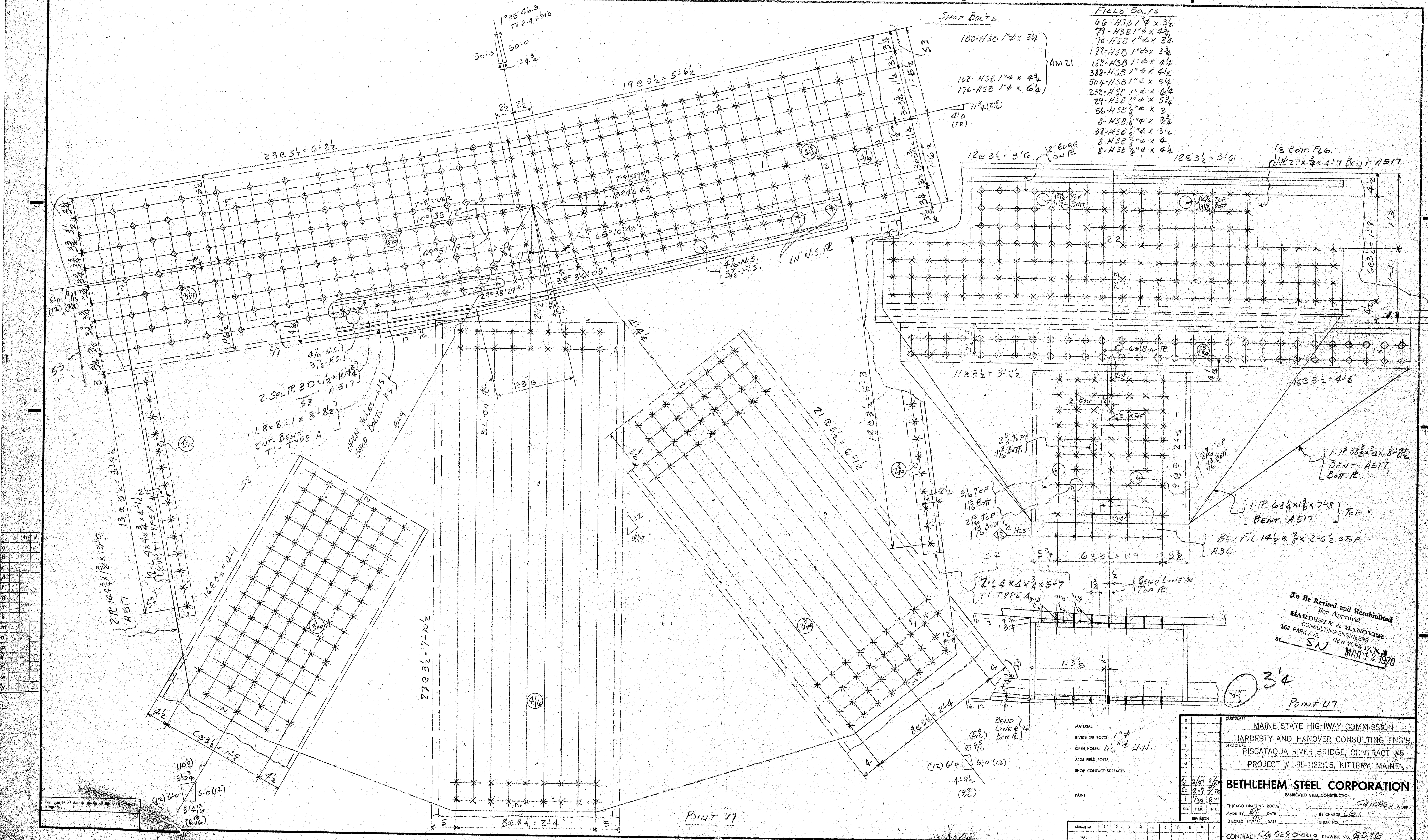
BETHLEHEM STEEL CORPORATION
FABRICATED STEEL CONSTRUCTION

CHICAGO DRAFTING ROOM CHGO WORKS
MADE BY TC DATE IN CHARGE L.G.
CHECKED BY RLP DATE 11-21-69 SHOP NO.
CONTRACT CG 6290 DRAWING NO. GD15

133:92

38663 (1-43)

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX


Point 17
Point U7
3'4
2-Spl. ℞ 30 x 1/2 x 10'-1 3/8 A517
1-L 8x8x1 x 8'-8 1/2 Cut-Bent T1-Type A
Open holes - N.S. Shop bolts - F.S.
2-L 4x4x3/4 x 4'-1 1/2 (Cut) T1 Type A
2-℞ 14 3/4 x 1 3/8 x 1'-3 1/4 A517
2-L 4x4x3/4 x 5'-7 T1 Type A
1-℞ 27 x 3/4 x 4'-9 Bent A517
1-℞ 38 3/8 x 3/4 x 8'-10 1/2 Bent-A517 Bott. ℞
1-℞ 68 1/4 x 1 3/8 x 7'-8 Bent-A517 Top ℞
Bev Fil 14 1/8 x 7/8 x 2'-6 1/2 @Top A36
19@3 1/2 = 5'-6 1/2
23@3 1/2 = 6'-8 1/2
12@3 1/2 = 3'-6
27@3 1/2 = 7'-10 1/2
8@3 1/2 = 2'-4
21@3 1/2 = 6'-1 1/2
16@3 1/2 = 4'-8
14@3 1/2 = 4'-1
6@3 1/2 = 1'-9
In N.S. ℞
B.L. on ℞
Bend Line @ Top ℞
Bend Line @ Bott ℞
2" Edge on ℞

SHOP BOLTS

100-HSB 1"⌀ x 3 1/4
102-HSB 1"⌀ x 4 3/4
176-HSB 1"⌀ x 6 1/4
} AM21

FIELD BOLTS

66-HSB 1"⌀ x 3 1/2
79-HSB 1"⌀ x 4 3/4
70-HSB 1"⌀ x 3 1/4
182-HSB 1"⌀ x 3 3/4
182-HSB 1"⌀ x 4 1/4
388-HSB 1"⌀ x 4 1/2
504-HSB 1"⌀ x 5 1/4
232-HSB 1"⌀ x 6 1/4
29-HSB 1"⌀ x 5 3/4
56-HSB 7/8"⌀ x 3
8-HSB 7/8"⌀ x 3 3/4
32-HSB 7/8"⌀ x 3 1/2
8-HSB 7/8"⌀ x 4
8-HSB 7/8"⌀ x 4 1/4

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

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

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
4		
S3	2/27	5/KR
S2	2-9	3/TG
1	1/30	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 ET DATE IN CHARGE LG
CHECKED BY RP DATE SHOP NO.
CONTRACT CG 6290-000 DRAWING NO. GD16

36663 (1-65)

133:93

touraine paints TRUFLEX ☆ SILKY ☆ TRIPLE WHITE ☆ RYPLEX

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

SHOP BOLTS

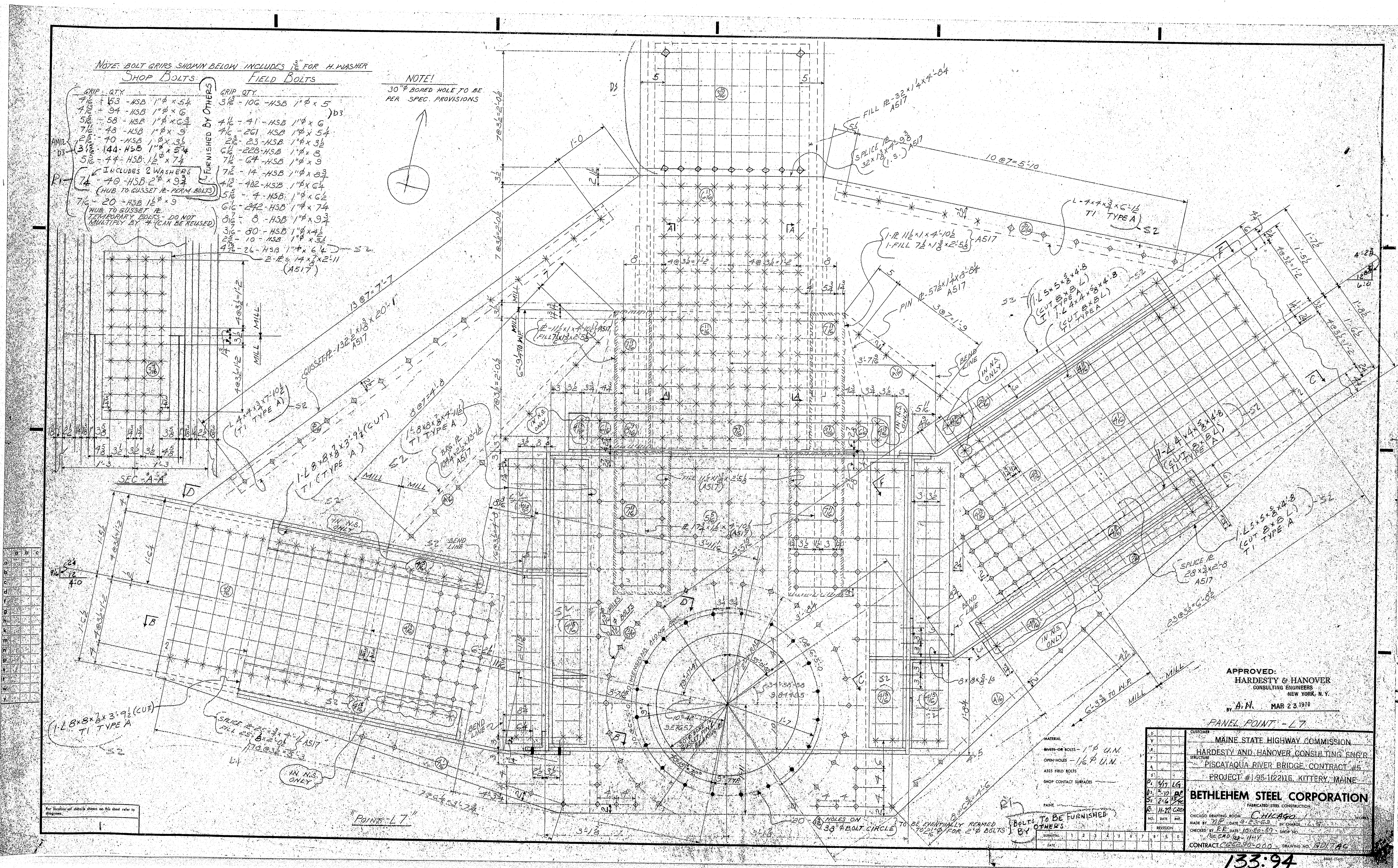
GRIP QTY.
4 1/16 - 53 - HSB 1"φ × 5 1/4
4 13/16 - 94 - HSB 1"φ × 6
5 5/16 - 58 - HSB 1"φ × 6 3/4
7 1/16 - 48 - HSB 1"φ × 9
AM12 2 5/16 - 40 - HSB 1"φ × 3 1/2
D3 3 15/16 - 144 - HSB 1"φ × 5 1/4
5 5/16 - 44 - HSB 1 1/2"φ × 7 1/4
INCLUDES 2 WASHERS
R1 7 1/4 - 40 - HSB 2"φ × 9 3/4
(HUB TO GUSSET PL - PERM. BOLTS)
7 1/16 - 20 - HSB 1 1/2φ × 9
(HUB TO GUSSET PL. TEMPORARY BOLTS - DO NOT MULTIPLY BY 4 - (CAN BE REUSED))

FURNISHED BY OTHERS

FIELD BOLTS

GRIP QTY.
3 13/16 - 106 - HSB 1"φ × 5) D3
4 11/16 - 41 - HSB 1"φ × 6
4 1/16 - 261 HSB 1"φ × 5 1/4
2 3/16 - 23 - HSB 1"φ × 3 1/2
6 11/16 - 228 - HSB 1"φ × 8
7 11/16 - 64 - HSB 1"φ × 9
7 7/16 - 14 - HSB 1"φ × 8 3/4
4 13/16 - 402 - HSB 1"φ × 6 1/4
5 5/16 - 4 - HSB 1"φ × 6 1/2
6 1/16 - 242 - HSB 1"φ × 7 1/4
8 7/16 - 8 - HSB 1"φ × 9 3/4
3 7/16 - 80 - HSB 1"φ × 4 1/2
2 5/16 - 10 - HSB 1"φ × 3 1/2
4 15/16 - 26 - HSB 1"φ × 6 1/4 — S2
2 - PLs 14 × 7/8 × 2'-11 (A517)

NOTE!
30"φ BORED HOLE TO BE PER SPEC. PROVISIONS


SEC. "A-A"
GUSSET PL 132 1/2 × 1 3/8 × 20'-1" A517
13 @ 7 = 7'-7
FILL PL 32 × 1/4 × 4'-8 1/4 A517
SPLICE PL 32 × 7/8 × 4'-9 3/8 (I.S.) A517
10 @ 7 = 5'-10
1-L 4 × 4 × 3/8 × 6'-1 1/2 T1 TYPE A S2
1-PL 11 1/2 × 1 × 4'-10 1/2
1-FILL 7 1/2 × 1 3/8 × 2'-5 1/2 A517
PIN PL 57 1/2 × 1 1/4 × 8'-8 1/4 A517
1-L 5 × 5 × 5/8 × 4'-8 (CUT 8 × 8 L) T1 TYPE A
1-L 4 × 4 × 5/8 × 4'-8 (CUT 8 × 8 L) T1 TYPE A
SPLICE PL 28 × 3/4 × 2'-8 A517
23 @ 3 1/2 = 6'-8 1/2
1-L 8 × 8 × 7/8 × 3'-9 1/2 (CUT) T1 TYPE A
BRG PL
SPLICE PL
IN N.S. ONLY
BEND LINE
MILL
PANEL POINT - L7
"POINT - L7"
20 HOLES ON 38"φ BOLT CIRCLE TO BE EVENTUALLY REAMED TO 2 1/16"φ FOR 2"φ BOLTS
R1 BOLTS TO BE FURNISHED BY OTHERS
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

PANEL POINT - L7

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

NO.	DATE	INIT.
0		
9		
8		
7		
6		
5		
P1	2/17	LG
D3	2-10	BP
S2	2-6	15/72
R1	11-22	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 NP DATE 9-23-68 IN CHARGE L.G.
CHECKED BY RR DATE 10-26-69 SHOP NO.
Rev. CAD RR - 11-18
CONTRACT C66290-000 DRAWING NO. 4D17AC

133:94

36663 (1-65)

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