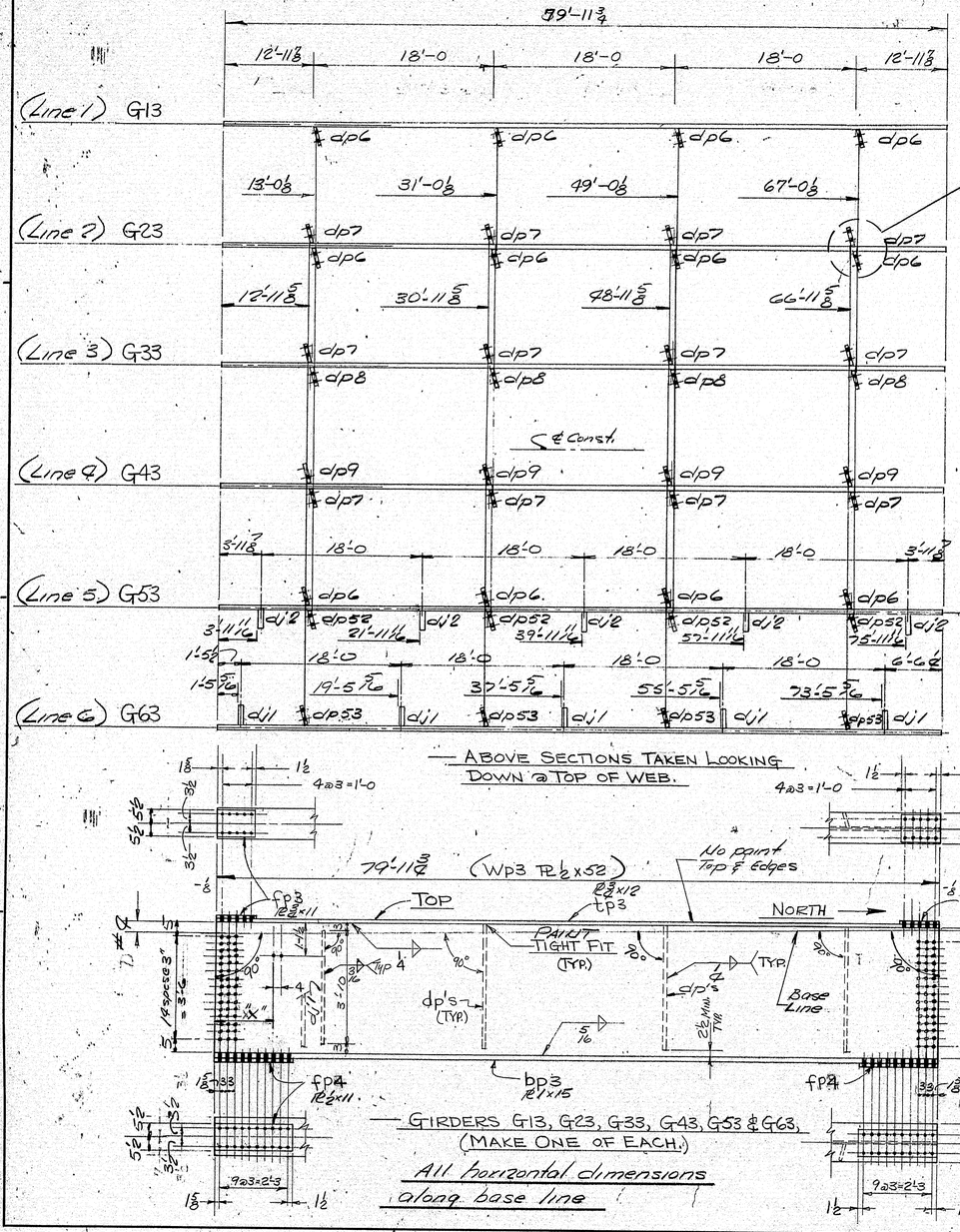
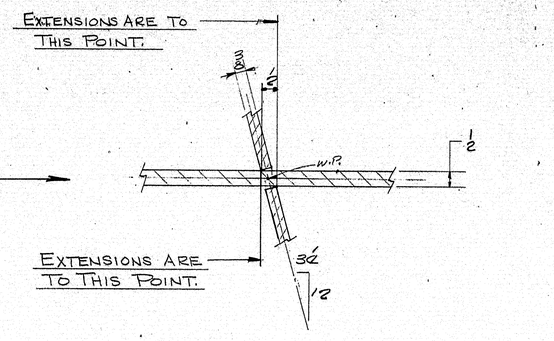




— ABOVE SECTIONS TAKEN LOOKING DOWN @ TOP OF WEB.

— GIRDERS G13, G23, G33, G43, G53 & G63, (MAKE ONE OF EACH.)

All horizontal dimensions along base line

FORM
BRACKET
HOLES
"X" DIM. FOR G13 & G63
7'-9
6'-9
11'-9
16'-9
21'-9
26'-9
31'-9
36'-9
41'-9
46'-9
51'-9
56'-9
61'-9
65'-9
69'-9
73'-9
77'-9

GIRDER	DIM. ℄	DIM. 5
G13	3 9/16	1/4
G23	3 5/16	1/4
G33	3 1/8	1/8
G43	2 7/8	1/8
G53	2 5/8	1/16
G63	2 3/8	1/16

Line 5 ℄ Line 6

See sheets with Rev 2

SHIP	BILL OF MATERIAL	JOB NO. B'73-13	DWG. NO. 52-3

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
G13	1		GIRDER	79 11¾	—		
G23	1		-DO-	79 11¾	—		
G33	1		-DO-	79 11¾	—		
G43	1		-DO-	79 11¾	—		
G53	1		-DO-	79 11¾	—		
G63	1		-DO-	79 11¾	—		
	6	wp3	PL ½ x 52	79 11¾		26	
	6	tp3	PL ¾ x 12	79 11¾		29	
	6	bp3	PL 1" x 15	79 11¾		31	
	12	fp3	PL ⅝ x 11	1 3⅛		40	
	12	fp4	PL ½ x 11	2 6⅛		41	
	12	dp6	Bar 7 x ⅜	℄ 1½		32	
	12	dp7	Do	℄ 1½		32	
	4	dp8	Do	℄ 1½		32	
	4	dp9	Do	℄ 1½		32	
	5	dj1	Bar ℄ x 5/16	3 10			
	5	dj2	Do	3 10			
	4	dp52	Bar 7 x ⅜	℄ 1½			
	4	dp53	Do	℄ 1½			

HOLES ARE FOR HIGH TENSILE BOLTS
They are to be free from burrs and shall not be painted on any surface within ½" of such open holes.

See Sheet 2 with Rev

ITEM NO. 504.70
PROJECT NO- 50-1(6)

STEEL: ASTM. - A 36
WELDING ELECTRODE - SEE WELD PROCEDURE.
SHOP CONN: - WELDED.
FIELD CONN: - BOLTED ⅞ϕ H.S. A325 TYPE 1
HOLES: - 15/16ϕ
PAINT: - RED LEAD PER MAINE SPEC'S As Listed
SPECIAL CLEANING: - BLAST CLEAN.
APPROVED: 8-3-73

— GIRDERS G13 THRU G63,

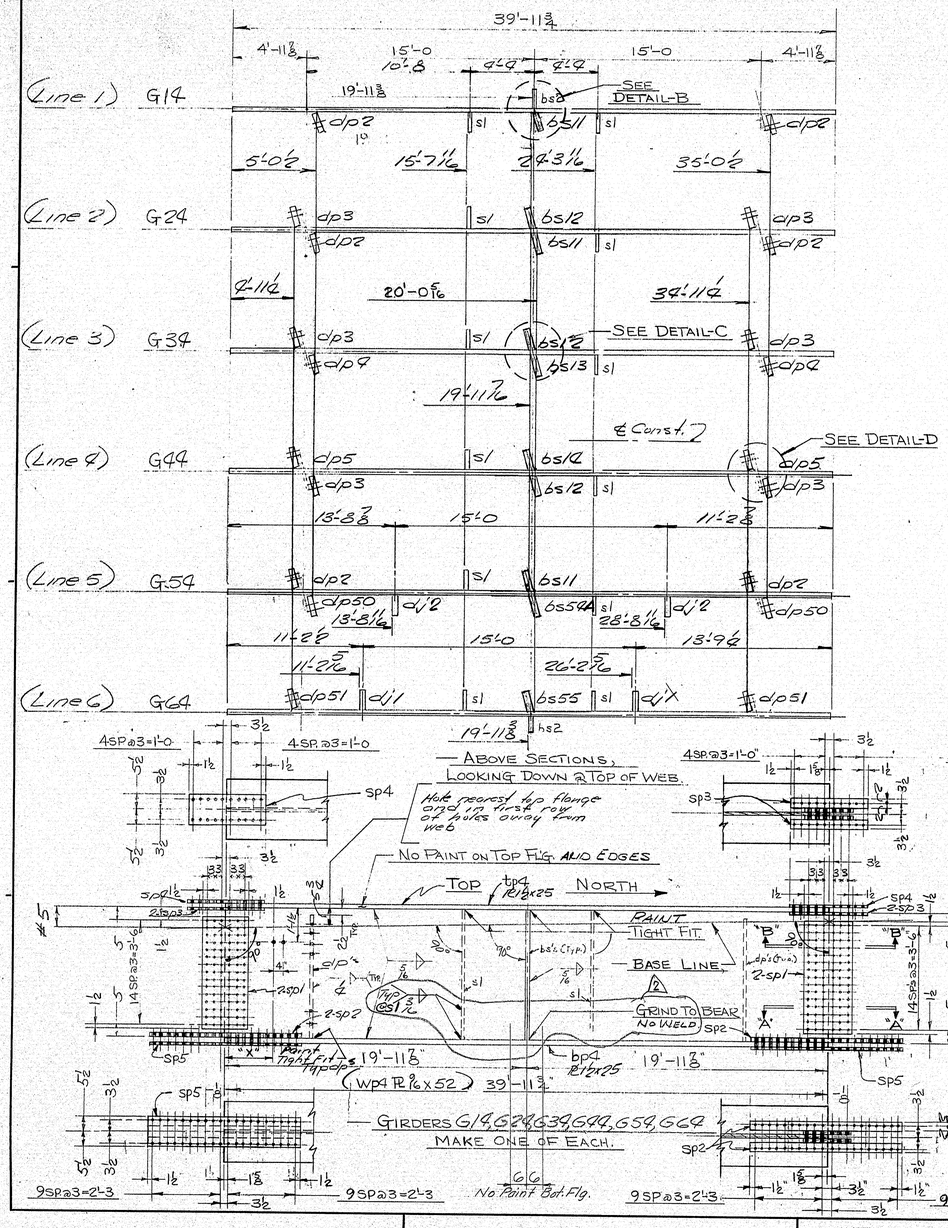
PRINT DIST.		
3	5-10-73	Rec.
3	7-26-73	Appr.
1 Sep	8-15-73	Brenda
25	8-30-73	State
2	8-30-73	Cust.

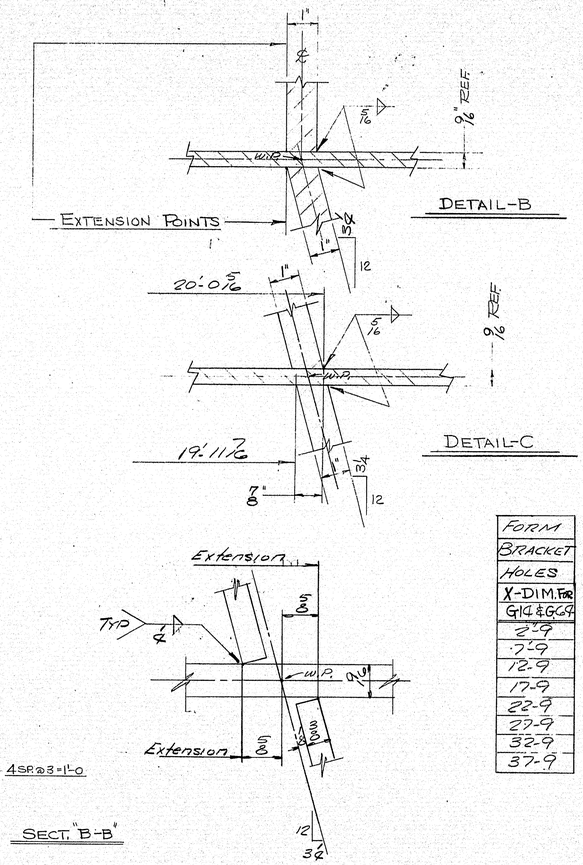
REV. △	7-20-73	HAG
CHECKED	5-8-73	H.C.
DRAWN	3-27-73	ENG

Bancroft & Martin Inc.
South Portland, Maine 04106
JOB: MEDUXNEKEAG RIVER BRIDGE
MONTICELLO, MAINE.
CUSTOMER: CIANBRO CORP.
DESIGNER: MAINE DEPT. OF TRANSPORTATION

ORDER NO.	JOB NO.	DRAWING NO.
	B73-13	52-3

140-94





All Horizontal Dimensions along Base Line

GIRDER	DIM. #5	DIM. #7
G14	4	1 7/16
G24	4	1 7/16
G34	3	1 7/16
G44	3	1 4
G54	1/16	1 15/16
G64	1/16	1 7/16

Line 54 Line 64

FORM BRACKET HOLES X-DIM. FOR G14 & G64
2'-9
7'-9
12'-9
17'-9
22'-9
27'-9
32'-9
37'-9

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
G14	1		GIRDER	39 11 3/4	—		
G24	1		-DO-	39 11 3/4	—		
G34	1		-DO-	39 11 3/4	—		
G44	1		-DO-	39 11 3/4	—		
G54	1		-DO-	39 11 3/4	—		
G64	1		-DO-	39 11 3/4	—		
	6	WP4	PL 9/16 x 52	39 11 3/4		27	
	6	tp4	PL 1/2 x 25	39 11 3/4		32	
	6	bp4	PL 1/2 x 25	39 11 3/4		32	
	24	SP1	PL 9/16 x 18 1/2	3 9		38	
	24	SP2	BAR 4 x 1/2	5 0 1/2		74	
	24	SP3	BAR 4 x 1 1/16	2 6 1/2		43	
	12	SP4	PL 9/16 x 11	2 6 1/2		39	
	12	SP5	PL 7/8 x 11	5 0 1/2		37	
	12	S1	Bar Cr 3/8	℄ ℄			
	6	dp2	BAR 7 x 3/8	4 1 1/2		34	
	6	dp3	do	4 1 1/2		34	
	2	dp4	do	4 1 1/2		34	
	2	dp5	BAR 7 x 3/8	4 1 1/2		34	
	3	bs11	Bar 8 x 1	℄ ℄			
	3	bs12	Do	℄ ℄			
	1	bs13	Do	℄ ℄			
	1	bs14	Do	℄ ℄			
	2	dp50	Bar 7 x 3/8	3 11			
	2	dp51	Do	3 11			
	1	bs54	Bar 8 x 1	℄ ℄			
	1	bs55	Do	℄ ℄			
	2	dj1	Bar 4 x 5/16	3 10			
	2	dj2	Do	3 10			

~~HOLES ARE FOR HIGH TENSILE BOLTS~~ They are to be free from burrs and shall not be painted on any surface within ~~8"~~ of such open holes.

ITEM No. 504.90
PROJECT No. -50-1(6)

STEEL: ASTM. – A 36
WELDING ELECTRODE – SEE WELD PROCEDURE.
SHOP CONN. – WELDED
FIELD CONN. – BOLTED 7/8ϕ H.S. A 325 TYPE 1.
HOLES: – 15/16ϕ
PAINT: – RED LEAD PER MAINE SPEC'S., As Noted
SPECIAL CLEANING: BLAST CLEAN.
APPROVED: 8-3-73

— GIRDERS G14 THRU G64.

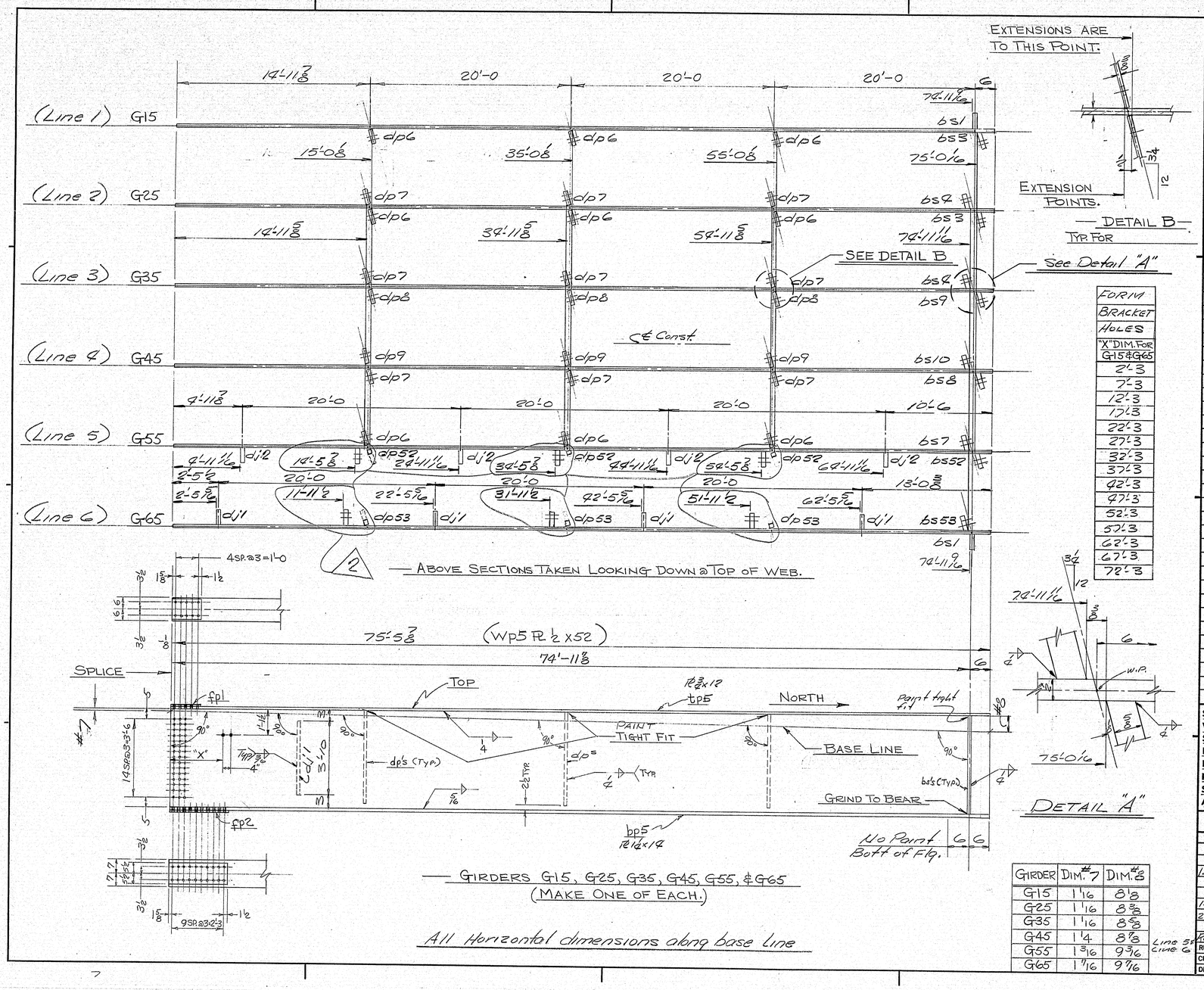
PRINT DIST.		
3	5-10-73	APP.
3	7-20-73	APP.
1 SEP	8-15-73	BREW.
1 SEP	8-28-73	BREW
1 SEP	8-28-73	STATE
2	8-30-73	STATE
2	8-30-73	DIST.

Bancroft & Martin Inc.
South Portland, Maine 04106
JOB: MEDUXNEKEAG-RIVER BRIDGE
MONTICELLO, MAINE.
CUSTOMER: CIANBRO CORP.
DESIGNER: MAINE DEPT. OF TRANSPORTATION

REV.	8-28-73	H.C.
REV.	7-20-73	H.C.
CHECKED	8-8-73	H.C.
DRAWN	8-27-73	ENG

ORDER NO. | JOB NO. B73-13 | DRAWING NO. 52-4

140-95



GIRDER	DIM. #7	DIM. #8
G15	1 1/16	8 1/8
G25	1 1/16	8 3/8
G35	1 1/16	8 5/8
G45	1 1/4	8 7/8
G55	1 3/16	9 1/16
G65	1 1/16	9 1/16

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
G15	1		GIRDER	75 5 7/8	—		
G25	1		-DO-	75 5 7/8	—		
G35	1		-DO-	75 5 7/8	—		
G45	1		-DO-	75 5 7/8	—		
G55	1		-DO-	75 5 7/8	—		
G65	1		-DO-	75 5 7/8	—		
	6	wp5	Pl 1/2 x 52	75 5 7/8		25	
	6	tp5	Pl 3/4 x 12	75 5 7/8		28	
	6	bp5	Pl 1/4 x 14	75 5 7/8		30	
	6	fp1	Pl 3/4 x 11	1' 3 5/8		40	
	6	fp2	Pl 1/4 x 11	2 6 5/8		41	
	2	bs1	BAR 7 x 5/8	4 4		33	
	2	bs3	do	4 4			
	2	bs4	do	4 4			
	1	bs7	do	4 4			
	1	bs8	do	4 4			
	1	bs9	do	4 4			
	1	bs10	BAR 7 x 5/8	4 4		33	
	9	dp6	Bar 7 x 5/8	9 1/2		34	
	9	dp7	DO	9 1/2		35	
	3	dp8	DO	9 1/2		36	
	3	dp9	DO	9 1/2		37	
	3	dp52	Bar 7 x 3/8	9 1/2			
	3	dp53	Do	9 1/2			
	1	bs58	Bar 7 x 3/8	9 9			
	1	bs53	Do	9 9			
	4	dj1	Bar 4 x 5/16	3 10			
	4	dj2	DO	3 10			

HOLES ARE FOR HIGH TENSILE BOLTS They are to be free from burrs and shall not be painted on any surface within 2" of such cored holes.

ITEM No. 504.70
PROJECT No. 50-1 (6)

BILL OF MATERIAL JOB NO. B-73-13 DWG. NO. 52-5

STEEL: ASTM. - A36
WELDING ELECTRODE - SEE WELD PROCEDURE.
SHOP CONN: - WELDED.
FIELD CONN: - BOLTED 7/8 ϕ H.S. A325 TYPE 1
HOLES: - 15/16 ϕ
PAINT: - RED LEAD PER MAINE SPEC'S, As Listed
SPECIAL CLEANING: - BLAST CLEAN.
APPROVED: 8-3-73

— GIRDERS G15 THRU G65.

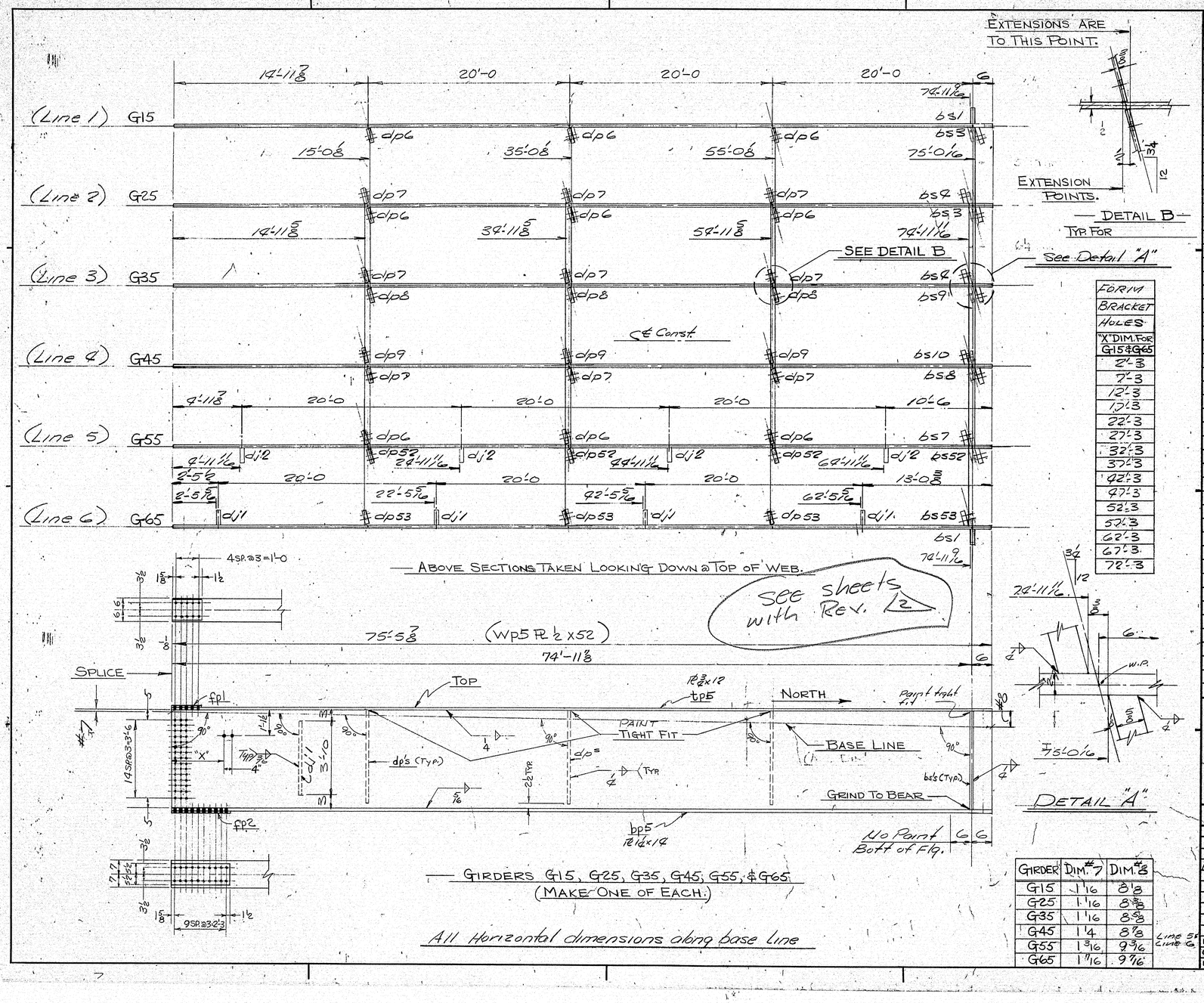
PRINT DIST.		
3	5-10-73	Pitt & Pod
3	7-26-73	Cates/Clough
1SEP	8-[illegible]-73	Brewer
2S	8-30-73	State
2	8-30-73	Cust.
1SEPIA	11-1-73	Brewer
2-1P	11-1-73	State

Bancroft & Martin Inc.
South Portland, Maine 04106

JOB: MEDUXNEKEAG-RIVER BRIDGE MONTICELLO, MAINE.
CUSTOMER: CIANBRO CORP
DESIGNER: MAINE DEPT. OF TRANSPORTATION

REV. 2	11-1-73	H.C.	
REV. 1	7-30-73	H.C.	ORDER NO.
CHECKED	5-25-73	H.C.	JOB NO. B73-13
DRAWN	3-27-73	G.P.D.	DRAWING NO. 52-5

140-96



FORM	
BRACKET	
HOLES	
"X" DIM. FOR	
G15 & G65	
2'-3	
7'-3	
12'-3	
17'-3	
22'-3	
27'-3	
32'-3	
37'-3	
42'-3	
47'-3	
52'-3	
57'-3	
62'-3	
67'-3	
72'-3	

GIRDER	DIM. #7	DIM. #8
G15	1 1/16	8 1/8
G25	1 1/16	8 5/8
G35	1 1/16	8 5/8
G45	1 1/4	8 1/8
G55	1 3/16	9 3/16
G65	1 1/16	9 3/16

LINE 55 LINE 6

SHIP MARK — BILL OF MATERIAL — JOB NO. B-73-13 — DWG. NO. 52-5

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
G15	1		GIRDER	75 5 3/8	—		
G25	1		-DO-	75 5 3/8	—		
G35	1		-DO-	75 5 3/8	—		
G45	1		-DO-	75 5 3/8	—		
G55	1		-DO-	75 5 3/8	—		
G65	1		-DO-	75 5 3/8	—		
	6	wp5	PL 1/2 x 52	75 5 3/8		25	
	6	tp5	PL 3/4 x 12	75 5 3/8		28	
	6	bp5	PL 1/4 x 14	75 5 3/8		30	
	6	fp1	PL 3/4 x 11	1' 3 3/8		40	
	6	fp2	PL 1/4 x 11	2 6 3/8		41	
	2	bs1	BAR 7x 5/8	4 4		33	
	2	bs3	do	4 4			
	2	bs4	do	4 4			
	1	bs7	do	4 4			
	1	bs8	do	4 4			
	1	bs9	do	4 4			
	1	bs10	BAR 7x 5/8	4 4		33	
	9	dp6	Bar 7x 5/8	9 1/2		39	
	9	dp7	DO	9 1/2		39	
	3	dp8	DO	9 1/2		39	
	3	dp9	DO	9 1/2		39	
	3	dp52	Bar 7x 5/8	9 1/2			
	3	dp53	DO	9 1/2			
	1	bs52	Bar 7x 5/8	8 8			
	1	bs53	DO	8 8			
	4	dj1	Bar 4x 5/8	3 10			
	4	dj2	DO	3 10			

HOLES ARE FOR HIGH TENSILE BOLTS They are to be free from burrs and shall not be painted on any surface within 2" of each edge holes.

ITEM No. 504.70
PROJECT No. 50-1 (6)

STEEL: ASTM. - A36
WELDING ELECTRODE - SEE WELD PROCEDURE X
SHOP CONN: - WELDED.
FIELD CONN: - BOLTED 7/8 ϕ H.S. A325 TYPE 1
HOLES: - 15/16 ϕ
PAINT: - RED LEAD PER MAINE SPEC'S. As Listed
SPECIAL CLEANING: - BLAST CLEAN.
APPROVED: 8-3-73

GIRDERS G15 THRU G65

PRINT DIST.		
3	5-10-73	FHPA
3	7-26-73	FHPA
1SED	8-[illegible]-73	Brewster
25	8-30-73	STATE
2	8-30-73	CUST.

Bancroft & Martin Inc.
South Portland, Maine 04106
JOB: MEDUXNEKEAG RIVER BRIDGE, MONTICELLO, MAINE.
CUSTOMER: CIANBRO CORP.
DESIGNER: MAINE DEPT. OF TRANSPORTATION

			ORDER NO.	JOB NO.	DRAWING NO.
REV. 1	7-20-73	H.C.			
CHECKED	5-8-73	H.C.		B73-13	52-5
DRAWN	3-27-73	BHA			

See Sheet 12 of 12

140-97

TYP @ all Web Cuts

bs3 - 3 REQ'D.
BAR 7 x 5/8 x 4'-4

bs4 - 3 REQ'D.
BAR 7 x 5/8 x 4'-4

bs5 - ONE REQ'D.
BAR 7 x 5/8 x 4'-4

bs6 - ONE REQ'D.
BAR 7 x 5/8 x 4'-4

bs7 - 3 REQ'D.
BAR 7 x 5/8 x 4'-4

bs8 - 3 REQ'D.
BAR 7 x 5/8 x 4'-4

bs9 - QUE REQ'D.
BAR 7 x 5/8 x 4'-4

bs10 - ONE REQ'D
BAR 7 x 5/8 x 4'-4

bs1
bs2
bs1

Bar 7 x 5/8 x 4'-9 (bs1)
Bar 8 x 1 x 4'-9 (bs2)
Bar 6 x 5/8 x 4'-9 (bs1)

4 - bs1
4 - bs2
29 - bs1

Bar 7 x 7/8 x 4'-1 1/2
30 - dp6

Bar 7 x 7/8 x 4'-1 1/2
30 - dp7

Bar 7 x 7/8 x 4'-1 1/2
10 - dp8

Bar 7 x 7/8 x 4'-1 1/2
10 - dp9

6 (bs13)
3 3/8 (bs11)
4 1/2 (bs12)
2 5/8 (bs12)

3 3/8 (bs12)
4 (bs14)
4 5/8 (bs11)
4 1/4 (bs13)

Bar 8 x 1 x 4'-9
6 - bs11
2 - bs13

Bar 8 x 1 x 4'-9
6 - bs12
2 - bs14

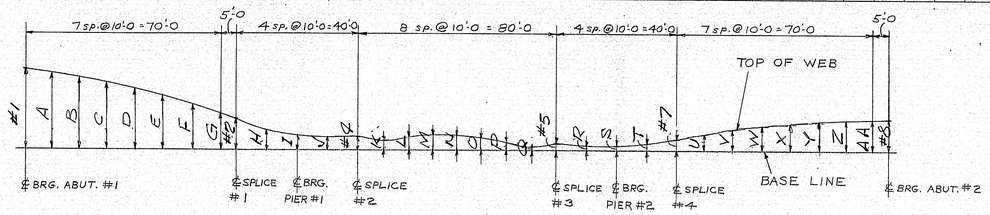
dp2 - 12 REQ'D.
BAR 7 x 3/8 x 4'-1 1/2

dp3 - 12 REQ'D.
BAR 7 x 3/8 x 4'-1 1/2

dp4 - 4 REQ'D.
BAR 7 x 3/8 x 4'-1 1/2

dp5 - 4 REQ'D.
BAR 7 x 3/8 x 4'-1 1/2

GIRDER LINE	#1	A	B	C	D	E	F	G	#2	H	I	J	#3	K	L	M	N	O	P	Q	#5	R	S	T	#7	U	V	W	X	Y	Z	AA	#8
1	1'-9 3/16	1'-7 5/8	1'-5 15/16	1'-4 1/8	1'-2 3/8	1'-0 1/2	10 9/16	8 5/8	7 3/4	6 5/16	5 1/16	4 3/16	3 9/16	3 1/16	2 3/4	2 3/8	2	1 9/16	1 1/16	9/16	1/4	1/16	1/16	1/2	1 1/16	2 1/16	3 1/8	4 1/16	5 1/2	6 1/8	6 15/16	7 1/16	8 1/8
2	1'-8 5/8	1'-7	1'-5 3/8	1'-3 3/4	1'-1 15/16	1'-0 1/16	10 1/8	8 1/4	7 3/8	6	4 7/8	3 15/16	3 5/16	2 7/8	2 1/16	2 1/8	1 15/16	1 1/2	1	9/16	1/4	1/16	1/16	1/2	1 1/16	2 1/8	3 1/16	4 1/16	5 1/2	6 5/16	7 3/16	7 1/2	8 3/8
3	1'-8 1/16	1'-6 1/16	1'-4 7/8	1'-3 1/4	1'-1 1/2	11 3/8	9 13/16	7 15/16	7 1/16	5 11/16	4 9/16	3 3/4	3 1/8	2 11/16	2 3/8	2 1/16	1 3/4	1 5/16	7/8	7/16	1/8	0	0	7/16	1 1/16	2 1/8	3 1/4	4 3/8	5 1/2	6 1/2	7 3/8	8 3/16	8 5/8
4	1'-7 9/16	1'-6	1'-4 7/16	1'-2 13/16	1'-1 1/8	11 1/4	9 7/16	7 5/8	6 3/4	5 3/8	4 1/4	3 7/16	2 7/8	2 7/16	2 1/8	1 7/8	1 5/8	1 5/16	13/16	7/16	1/8	1/16	1/8	9/16	1 1/4	2 5/16	3 1/2	4 5/8	5 11/16	6 11/16	7 5/8	8 7/16	8 7/8
5	1'-6 15/16	1'-5 3/8	1'-3 7/8	1'-2 3/16	1'-0 5/8	10 7/8	9 1/16	7 1/4	6 1/16	5 1/8	4	3 1/16	2 5/8	2 1/4	2	1 3/4	1 1/2	1 1/16	11/16	5/16	1/16	0	1/16	1/2	1 1/16	2 1/16	3 1/16	4 1/16	5 1/16	6 1/8	7 1/16	8 1/16	9 3/16
6	1'-6 1/2	1'-5	1'-3 1/2	1'-1 15/16	1'-0 1/4	10 1/2	8 3/4	6 15/16	6 1/8	4 13/16	3 11/16	2 15/16	2 3/8	2	1 13/16	1 9/16	1 5/16	1"	9/16	5/16	1/16	1/16	3/16	11/16	1 7/16	2 9/16	3 3/4	4 15/16	6 1/16	7 1/8	8 1/16	8 15/16	9 1/16



WEB ℄ LAYOUT

NOTE:
ALL HOLES ARE 15/16" ϕ

HOLES ARE FOR HIGH TENSILE BOLTS
They are to be free from burrs and shall not be painted on any surface within 5" of such open holes.

App. 8-3-73

ITEM NO. 504.70
PROJ. NO. 50-1(6)

STIFFENERS & CAMBER

PRINT DIST.		
3	5-10-73	APCO
3	7-20-73	FINAL APCO
1 SEP	8-13-73	BRENNAN
2 S	8-30-73	STATE
2	8-30-73	CUST.

Bancroft & Martin Inc.
South Portland, Maine 04106

JOB: MEDUXNEKEAG RIVER BRIDGE
MONTICELLO, MAINE

CUSTOMER: CIANBRO CORP.

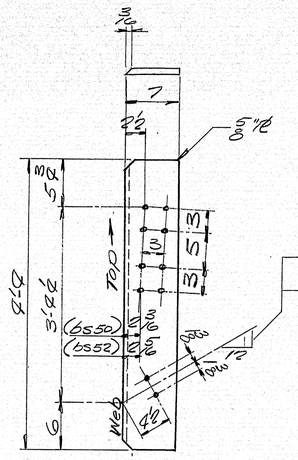
DESIGNER: MAINE DEPT. OF TRANSPORTATION

REV. 1	7-20-73	H.L.
CHECKED	5-8-73	H.L.
DRAWN	4-5-73	G.D.

ORDER NO.	JOB NO.	DRAWING NO.
	B73-13	52-6

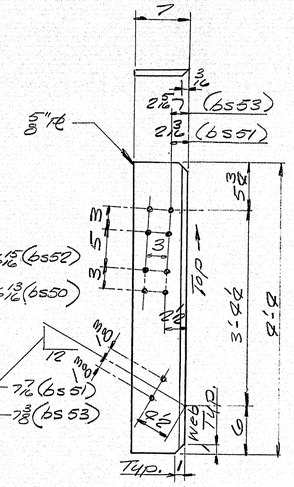
quantities

140-98



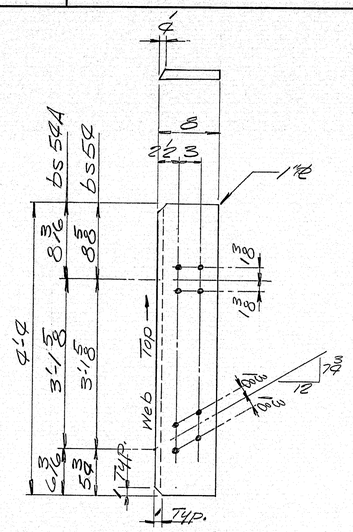
ONE - bs50

ONE - bs52



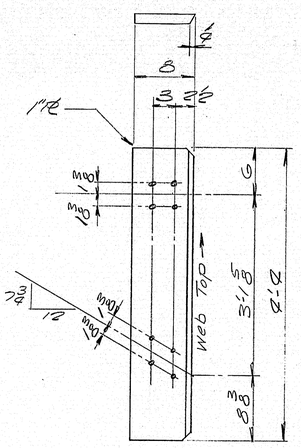
ONE - bs51

ONE - bs53



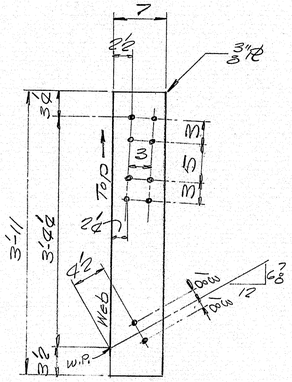
ONE - bs54

ONE - bs54A

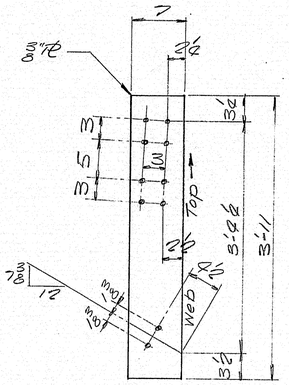


ONE - bs55

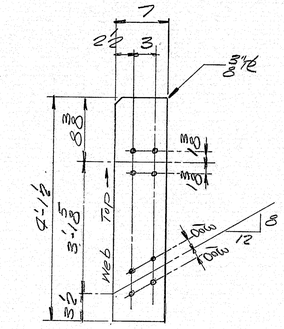
ONE - bs55A



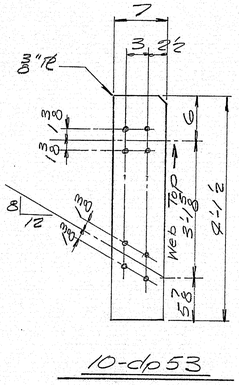
4-dp50



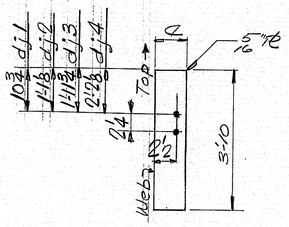
4-dp51



10-dp52



10-dp53



13-dj1

13-dj2

4-dj3

4-dj4

SHIP	BILL OF MATERIAL	JOB NO. B73-13	DWG. NO. 52-7

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS

Material Listed on Girder Sheets

HOLES ARE FOR HIGH TENSILE BOLTS
They are to be free from burrs and shall not be painted on any surface within 5" of such open holes.

STEEL: ASTM.	A36
WELDING ELECTRODE	See welding procedure
SHOP CONN:	Welded
FIELD CONN:	7/8" H.S. Bolts A325 Type 1
HOLES:	25/32" ϕ
PAINT:	Red lead per Maine spec.
SPECIAL CLEANING:	Blast clean
APPROVED:	8-3-73

DIAPHRAGM PLATES

PRINT DIST.		
3	7-24-73	APP.
15EP	8-15-73	BREW
25	8-20-73	STATE
2	8-30-73	CUST.

Bancroft & Martin Inc.
South Portland, Maine 04106

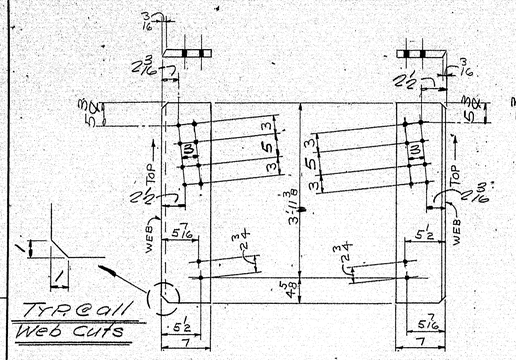
JOB: MEDUXNEKEAG RIVER BRIDGE
MONTICELLO, MAINE.

CUSTOMER: GIANBRO CORP.

DESIGNER: MAINE DEPT. OF TRANS.

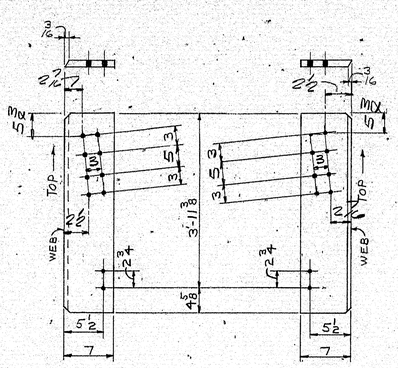
REV.		ORDER NO.	JOB NO.	DRAWING NO.
CHECKED				
DRAWN	7-20-73 H.L.		B73-13	52-7

140-99



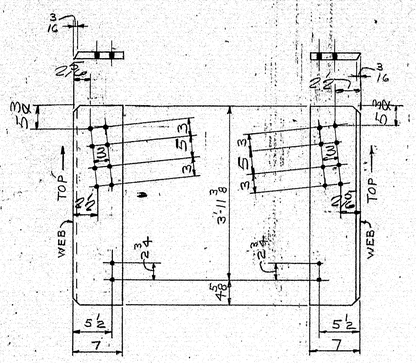
bs3 - 3 REQ'D.
BAR 7x⅝x4'-4

bs4 - 3 REQ'D.
BAR 7x⅝x4'-4



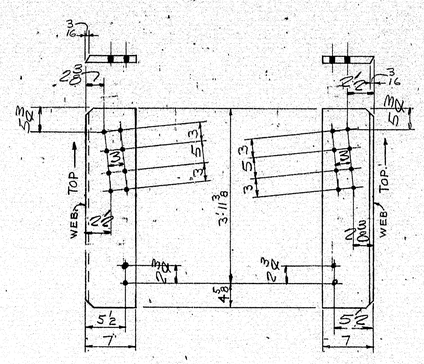
bs5 - ONE REQ'D.
BAR 7x⅝x4'-4

bs6 - ONE REQ'D.
BAR 7x⅝x4'-4



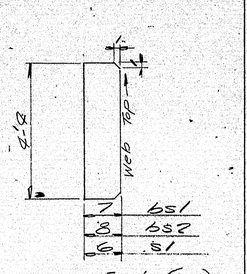
bs7 - 3 REQ'D.
BAR 7x⅝x4'-4

bs8 - 3 REQ'D.
BAR 7x⅝x4'-4



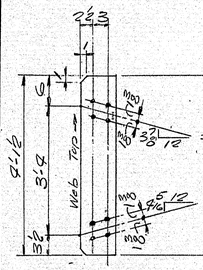
bs9 - ONE REQ'D.
BAR 7x⅝x4'-4

bs10 - ONE REQ'D
BAR 7x⅝x4'-4

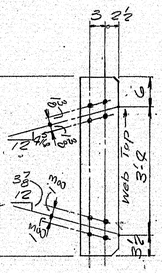


Bar 7x⅝x4'-9 (bs1)
Bar 8x1x4'-9 (bs2)
Bar 6x⅜x4'-9 (s1)

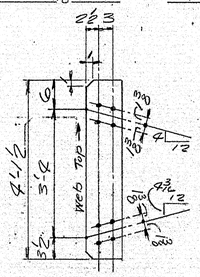
4-bs1
4-bs2
24-s1



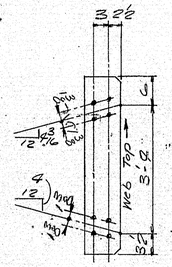
Bar 7x⅜x4'-1½
30-dp6



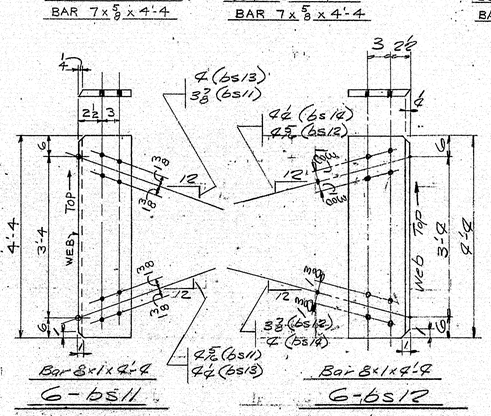
Bar 7x⅜x4'-1½
30-dp7



Bar 7x⅜x4'-1½
10-dp8

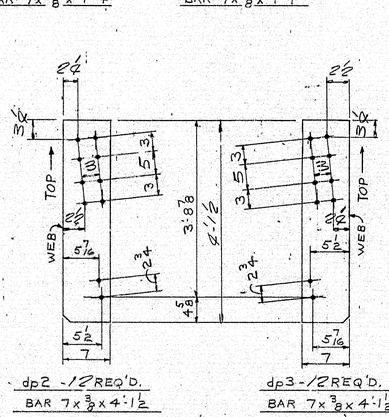


Bar 7x⅜x4'-1½
10-dp9

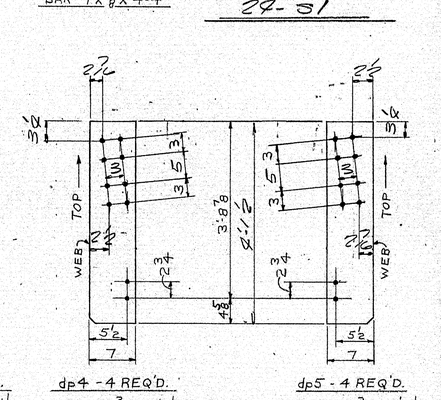


Bar 8x1x4'-9
6-bs11

Bar 8x1x4'-9
6-bs12



dp2 - 12 REQ'D.
BAR 7x⅜x4'-1½



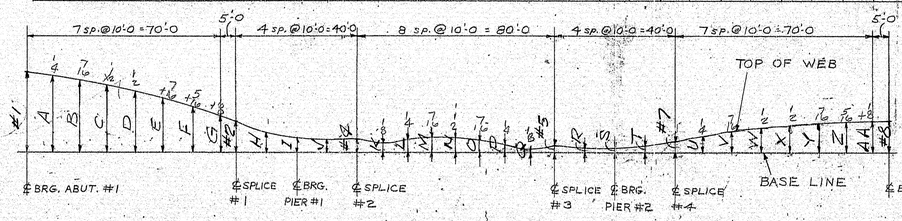
dp3 - 12 REQ'D.
BAR 7x⅜x4'-1½

dp4 - 4 REQ'D.
BAR 7x⅜x4'-1½

dp5 - 4 REQ'D.
BAR 7x⅜x4'-1½

OVERCAMBER
ADD TO ORDINATES

GIRDER LINE	#1	A	B	C	D	E	F	G	#2	H	I	J	#4	K	L	M	N	O	P	Q	#5	R	S	T	#7	U	V	W	X	Y	Z	AA	#8
		+4	+16	+½	+½	+16	+16	+8						+8	+4	+16	+½	+16	+4	+8						+4	+16	+½	+½	+16	+16	+8		
1	1'-9 9/16	1'-7 7/8	1'-5 15/16	1'-4 1/8	1'-2 3/8	1'-0 1/2	10 7/8	8 5/8	7 3/4	6 5/16	5 1/16	4 3/16	3 9/16	3 1/16	2 3/4	2 3/8	2	1 9/16	1 1/16	9/16	1/4	1/16	1/16	1/2	1 1/16	2 1/16	3 1/8	4 1/16	5 1/16	6 1/8	6 15/16	7 1/16	8 1/8
2	1'-8 5/8	1'-7	1'-5 3/8	1'-3 3/4	1'-1 15/16	1'-0 1/16	10 1/8	8 3/4	7 3/8	6	4 3/4	3 15/16	3 5/16	2 7/8	2 9/16	2 1/8	1 15/16	1 1/2	1	9/16	1/4	1/16	1/16	1/2	1 1/16	2 1/8	3 3/16	4 1/16	5 1/16	6 1/16	7 3/16	7 1/2	8 3/8
3	1'-8 1/16	1'-6 7/16	1'-4 3/8	1'-3 1/4	1'-1 1/2	11 5/8	9 13/16	7 15/16	7 1/16	5 11/16	4 9/16	3 5/8	3 1/8	2 11/16	2 3/8	2 1/16	1 3/4	1 5/16	7/8	5/16	1/8	0	0	7/16	1 1/16	2 1/8	3 1/4	4 3/8	5 1/2	6 5/8	7 3/8	8 1/16	8 5/8
4	1'-9 1/16	1'-6	1'-4 7/16	1'-2 1/16	1'-1	11 1/4	9 7/16	7 5/8	6 3/4	5 5/8	4 1/4	3 1/16	2 7/8	2 5/16	2 1/8	1 15/16	1 5/8	1 1/16	13/16	7/16	1/8	1/16	1/8	9/16	1 1/4	2 5/16	3 1/2	4 5/8	5 11/16	6 11/16	7 5/8	8 1/16	8 7/8
5	1'-6 15/16	1'-5 3/8	1'-3 13/16	1'-2 3/8	1'-0 5/8	10 7/8	9 1/16	7 1/16	6 7/16	5 3/8	4	3 1/16	2 3/8	2	1 3/4	1 1/2	1 1/16	11/16	5/16	1/16	0	1/16	1/2	1 1/16	1 7/8	2 5/8	3 1/2	4 1/16	5 1/16	6 1/8	7 1/16	8 1/16	9 1/16
6	1'-6 2	1'-5	1'-3 1/2	1'-1 15/16	1'-0 4	10 2	8 3/4	6 15/16	6 8	4 13/16	3 11/16	2 15/16	2 3/8	2	1 13/16	1 9/16	1 5/16	1"	9/16	5/16	1/16	0	1/16	1/2	1 1/16	1 7/16	2 1/16	3 3/4	4 15/16	6 1/16	7 8	8 1/16	8 15/16	9 1/16



WEB ℄ LAYOUT

OVERCAMBER

NOTE:
ALL HOLES ARE 15/16" ϕ

HOLES ARE FOR HIGH TENSILE BOLTS
They are to be free from burrs and shall not be painted on any surface within 5" of such open holes.

App. 8-3-73

ITEM NO. 504.70
PROJ. NO. 50-1(6)

STIFFENERS & CAMBER

PRINT DIST.		
3	5-10-73	FEE APP
3	7-20-73	FINAL APP
1 SEP	8-13-73	BRIDGE

Bancroft & Martin Inc.
South Portland, Maine 04106

JOB: MEDUXNEKEAG RIVER BRIDGE
MONTICELLO, MAINE

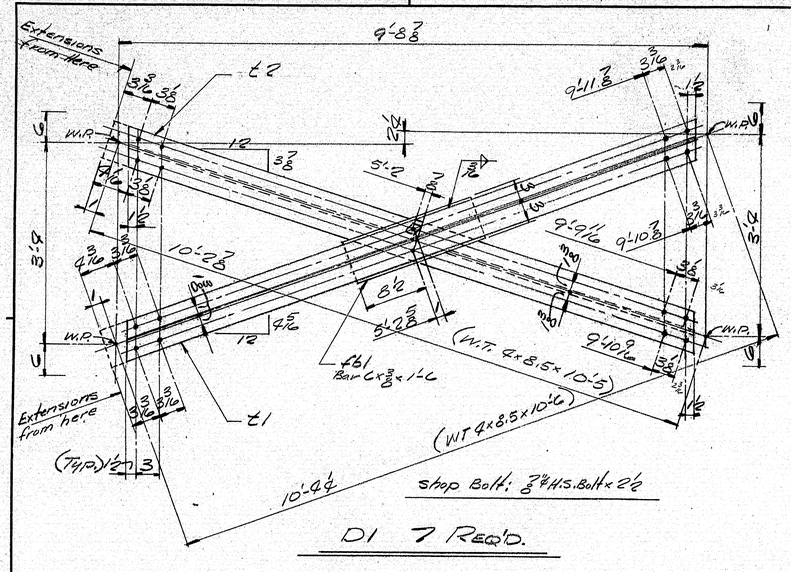
CUSTOMER: CIANBRO CORP.

DESIGNER: MAINE DEPT. OF TRANSPORTATION

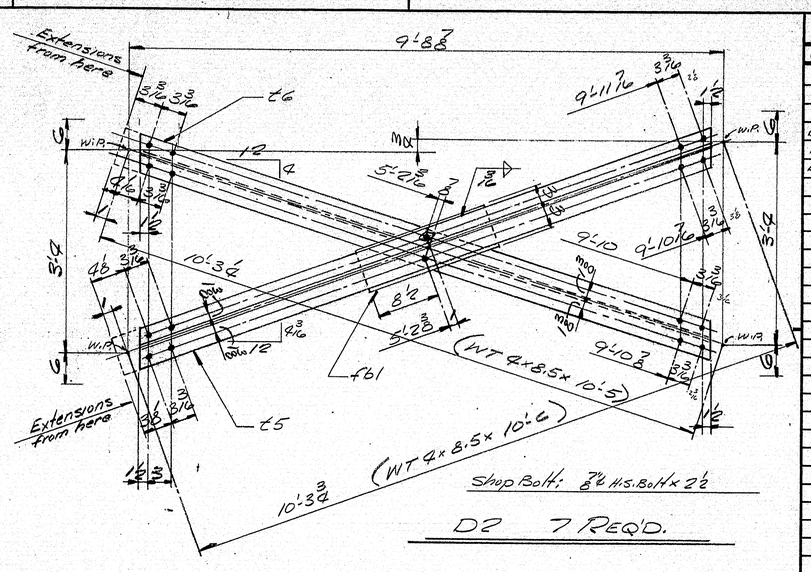
REV.	7-20-73	H.L.
CHECKED	5-8-73	H.L.
DRAWN	4-5-73	G.D.

ORDER NO.	JOB NO.	DRAWING NO.
	B73-13	52-6

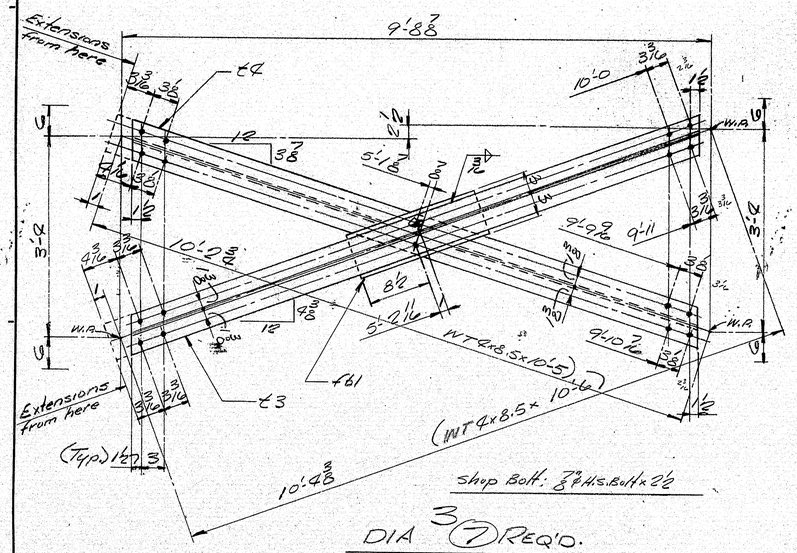
140-100



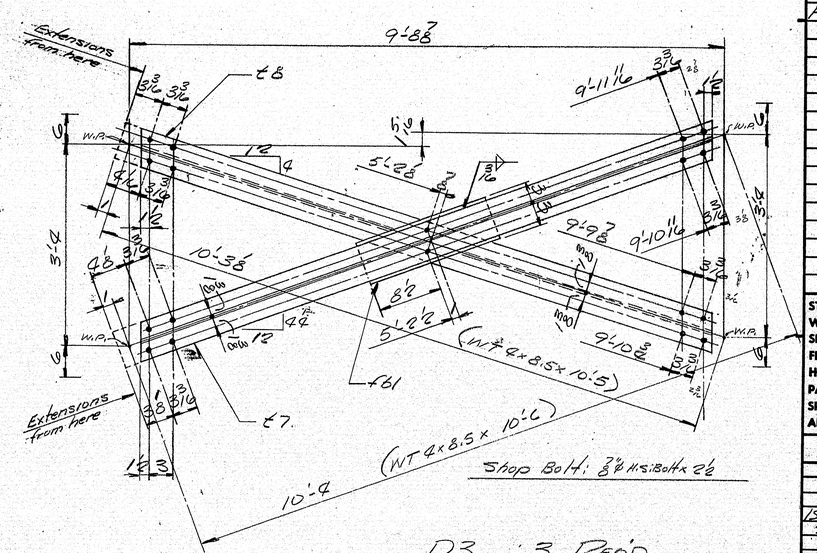
D1 7 REQ'D.



D2 7 REQ'D.



DIA 3 (7) REQ'D.



D3 3 REQ'D.

Quantities

SHIP | **BILL OF MATERIAL** | JOB NO. 8734-3 | DWG. NO. 53-1

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
D1	7		CROSS FRAME		—		
D1A	3		Do		—		
D2	7		Do		—		
D3	3		Do		—		
	7	t1	WT 9 x 8.5	10 6		53	Lay out
	7	t2	Do	10 5		58	Do
	3	t3	Do	10 6		53	Do
	3	t4	Do	10 5		53	Do
	7	t5	Do	10 6		53	Do
	7	t6	Do	10 5		53	Do
	3	t7	Do	10 6		58	Do
	3	t8	Do	10 5		53	Do
	20	fb1	Bar 6 x 3/8	1 6			
	20	Shop	7/8" H.S. Bolt	0 2 1/2			A325 (Type 1)
	20	Shop	7/8" Hard Washer				Do
Field	490		7/8" H.S. Bolt	0 2			A325 Type 1
Field	32		7/8" H.S. Bolts	0 2 1/2			A325 Type 1
Do	522		7/8" Washer				Do

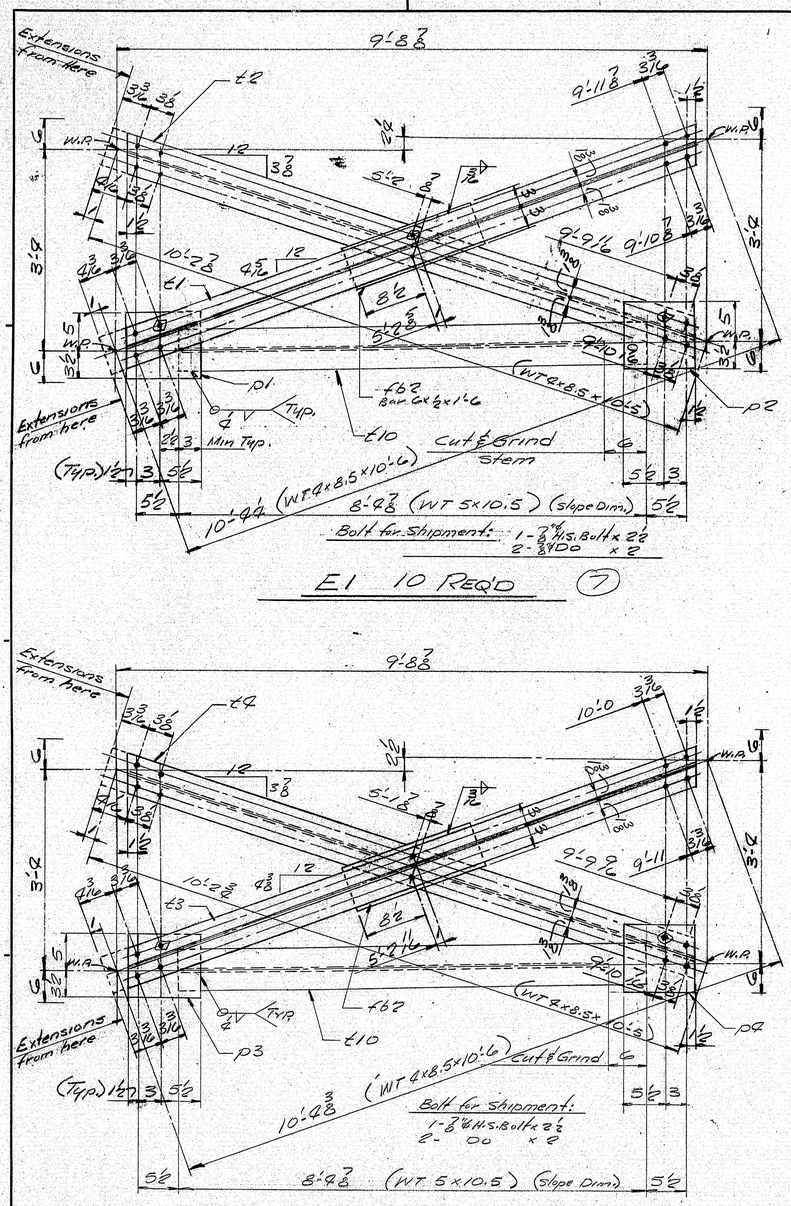
HOLES ARE FOR HIGH TENSILE BOLTS
They are to be free from burrs and shall not be painted on any surface within 6" of such open holes.

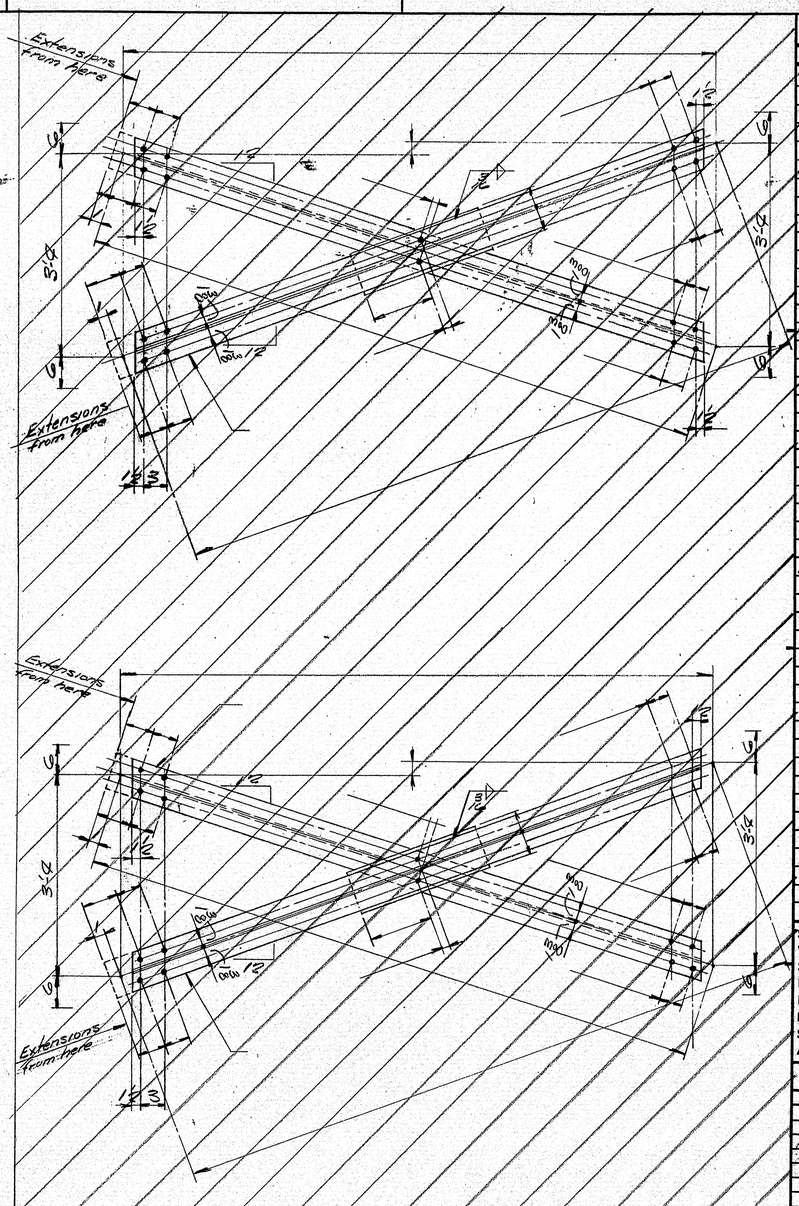
STEEL: ASTM.	A36
WELDING ELECTRODE	See Welding Procedure
SHOP CONN:	7/8" ø A325 (Type 1), Welded
FIELD CONN:	7/8" ø A325 (Type 1)
HOLES:	15/16"
PAINT:	Red lead per Maine Spec, As Noted
SPECIAL CLEANING:	Blast clean
APPROVED:	8-3-73

INTERMEDIATE CROSSFRAMES

	PRINT DIST.		
3	5-10-73	FHWA	Bancroft & Martin Inc.
3	7-27-73	MAINE	South Portland, Maine 04106
1 SEP	8-13-73	BABN	
2S	8-30-73	STATE	JOB: MEDUXNEKEAG RIVER BRIDGE
2	8-30-73	CUST.	MONTICELLO, MAINE.
			CUSTOMER: CIANBRO CORP.
2	9-3-73	H.L.	DESIGNER: MAINE DEPT. OF TRANSPORTATION
REV. 1	7-23-73	H.L.	ORDER NO. / JOB NO. B73-13 / DRAWING NO. 53-1
CHECKED			
DRAWN	5-3-73	H.L.	

140-101





SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
E1	10		CROSSFRAME		—		
E1A	10		DO		—		
	10	t1	WT 4 x 8.5	10 6			Layout
	10	t2	DO	10 5			Do
	10	t3	DO	10 6			Do
	10	t4	DO	10 5			Do
	20	t10	WT 5 x 10.5	8 4 7/8			
	20	fb2	Bar 6 x t2	1 6			
	10	p1	PL 1/2 x 8 1/2	0 10			Layout
	10	p2	DO	0 10			Do
	10	p3	DO	0 10			Do
	10	p4	DO	0 10			Do
	40	Shop	7/8" H.S. Bolt	0 2			A325 Type 1
	20	Shop	7/8" H.S. Bolt	0 2 1/2			Do
	60	Shop	7/8" Hard Washer				Do
Field	162		7/8" H.S. Bolt	0 2			A325 Type 1
Do	162		7/8" H.S. Bolt	0 2 1/2			Do
Do	324		7/8" Hard Washer				Do

HOLES ARE FOR HIGH TENSILE BOLTS
They are to be free from burrs and shall not be painted on any surface within 5" of such open holes.

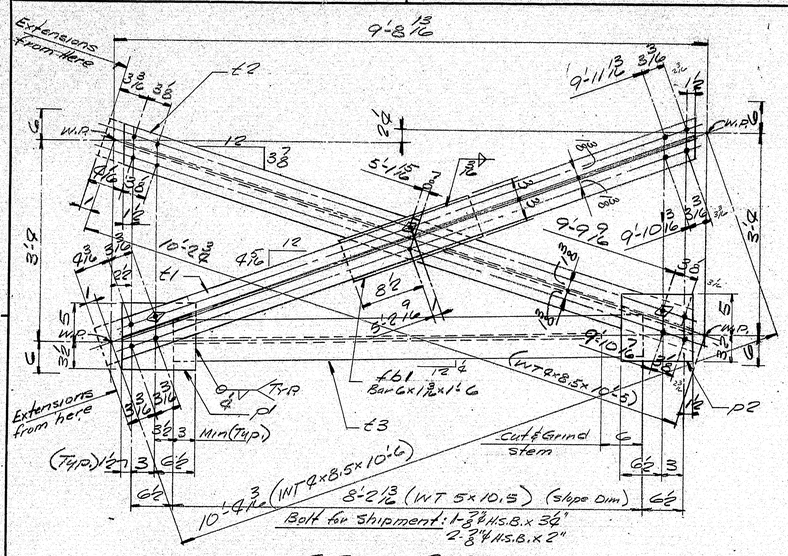
STEEL: ASTM.	A36
WELDING ELECTRODE	See welding Procedure
SHOP CONN:	7/8" A325 Type 1, welded
FIELD CONN:	7/8" A325 Type 1
HOLES:	15/16"
PAINT:	Red lead per Maine Spec., As Noted
SPECIAL CLEANING:	Blast clean
APPROVED:	8-3-73

INTERMEDIATE CROSSFRAMES

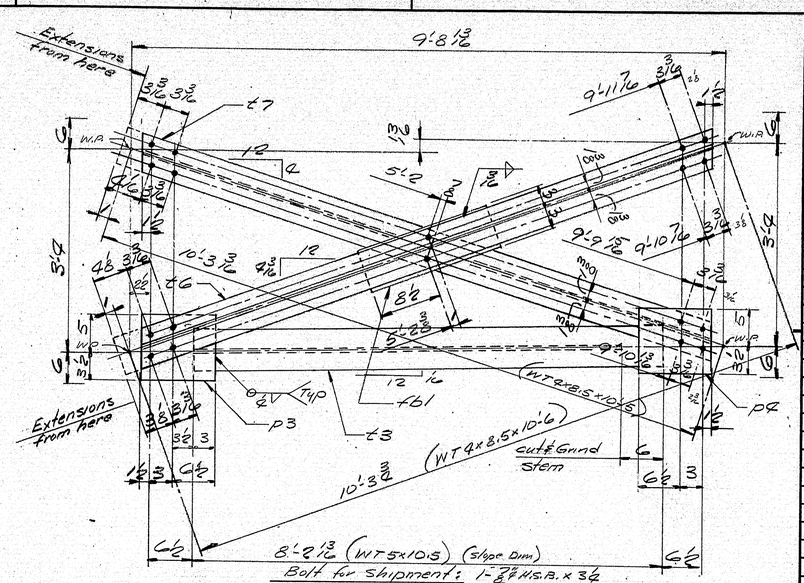
PRINT DIST.			
3	5-10-73	FOR APP.	Bancroft & Martin Inc.
3	7-20-73	FOR APP.	South Portland, Maine 04106
1 SEP	8-13-73	BREW	
25	8-20-73	STATE	JOB: REDUX NEKEAG RIVER BRIDGE
2	8-20-73	CUST	MONTICELLO, MAINE.
			CUSTOMER: CIANBRO CORP.
			DESIGNER: MAINE DEPT. OF TRANS.

REV.			ORDER NO.	JOB NO.	DRAWING NO.
CHECKED				B73-13	53-2
DRAWN	5-3-73	H.L.			

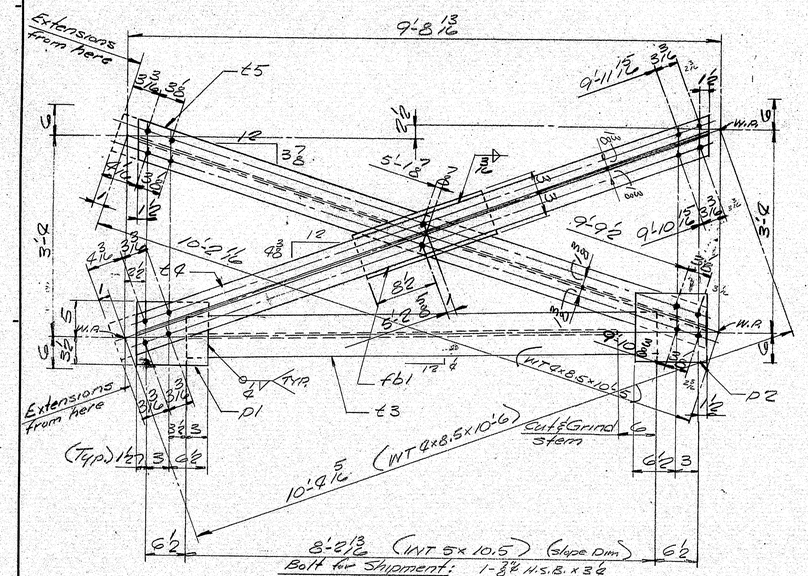
140-102



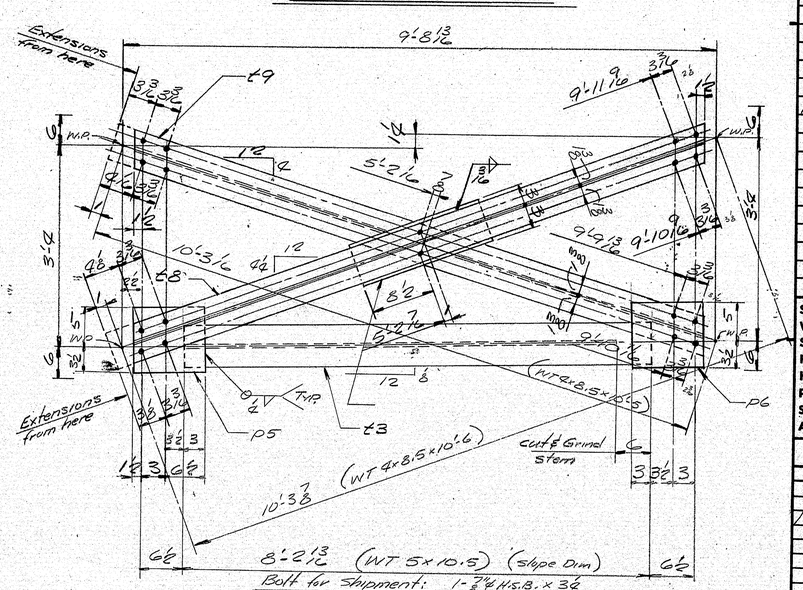
G2 3 REQ'D.



G4 ONE REQ'D.



G1 3 REQ'D.



G3 ONE REQ'D.

Quantities

SHIP	BILL OF MATERIAL			JOB NO. 873-13		DWG. NO. 53-3		
MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.		REMARKS
G1	3		CROSS FRAME					
G2	3		Do					
G3	1		Do					
G4	1		Do					
	3	t1	WT 4 x 8.5	10 6				Layout
	3	t2	Do	10 5				Do
	3	t4	Do	10 6				Do
	3	t5	Do	10 5				Do
	1	t6	Do	10 6				Do
	1	t7	Do	10 5				Do
	1	t8	Do	10 6				Do
	1	t9	Do	10 5				Do
	8	t3	WT 5 x 10.5	8 2 8				
	8	fb1	Bar C x 1 3/8	1 6				
	6	p1	PL 3/8 x 8 1/2	0 11				Layout
	6	p2	Do	0 11				Do
	1	p3	Do	0 11				Do
	1	p4	Do	0 11				Do
	1	p5	Do	0 11				Do
	1	p6	Do	0 11				Do
	16	Shop	7/8" H.S. Bolt	0 2				A325 Type 1
	8	Shop	7/8" H.S. Bolt	0 3 1/2				Do
	24	Shop	7/8" Hard Washer					Do
Field	32		7/8" H.S. Bolt	0 2 3/4				A325 Type 1
Do	82		7/8" H.S. Bolt	0 3				Do
Do	164		7/8" Hard Washer					Do

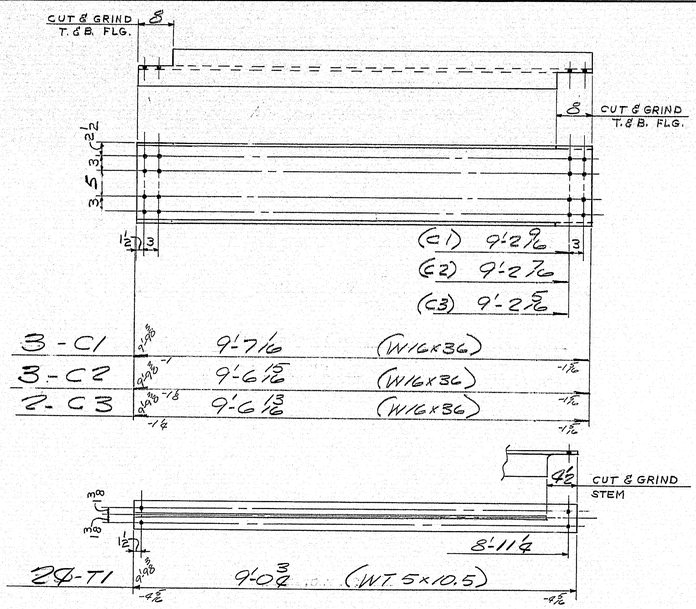
HOLES ARE FOR HIGH TENSILE BOLTS
They are to be free from burrs and shall not be painted on any surface within 5" of such oppo holes.

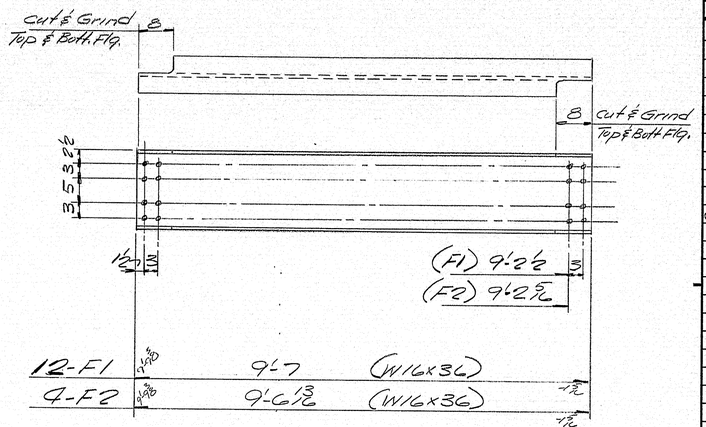
STEEL: ASTM.	A36
WELDING ELECTRODE	See Welding Procedure
SHOP CONN:	Welded, 5/8" A325 Type 1
FIELD CONN:	5/8" A325, Type 1
HOLES:	5/16" ø
PAINT:	Red lead per Maine Spec, As Noted
SPECIAL CLEANING:	Blast clean
APPROVED:	8-3-73

PIER CROSSFRAMES

PRINT DIST.			
5	5-10-73	For Appr.	Bancroft & Martin Inc.
8	7-24-73	For Appr.	South Portland, Maine 04106
SEP	8-13-73	Brev.	JOB: MEDUXNEKEAG RIVER BRIDGE
2 S	8-20-73	State	MONTICELLO, MAINE.
2	8-30-73	Cust.	CUSTOMER: CIANBRO CORP.
			DESIGNER: MAINE DEPT OF TRANS.
		H.L.	
REV. 1	7-23-73	H.L.	ORDER NO. / JOB NO. 873-13 / DRAWING NO. 53-3
CHECKED			
DRAWN	5-3-73	H.L.	

140-103





SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
C1	3		W16x36	9 7/16			
C2	3		Do	9 6 15/16			
C3	2		Do	9 6 13/16			
F1	12		W16x36	9 7			
F2	4		Do	9 6 13/16			
T1	28		WT5x10.5	9 0 3/8			
Field	408		7/8 H.S. Bolt	C 2			A325 Type 1 "F" "C"
Do	209		7/8 Do	0 0 1/4			Do
Do	612		7/8 Hard Washer				Do

HOLES ARE FOR HIGH TENSILE BOLTS
They are to be free from burrs and shall not be painted on any surface within 5" of such open holes.

ITEM No. 504.70
PROJ. No. 50-1(6)

STEEL: ASTM. A36
WELDING ELECTRODE SEE WELDING PROCEDURE
SHOP CONN:
FIELD CONN: BOLTED 7/8" H.S. Bolt (A325 Type 1)
HOLES: 15/16" ϕ
PAINT: RED LEAD PER MAINE SPECS., As Noted
SPECIAL CLEANING: BLAST CLEAN
APPROVED: 8-3-73

ABUT. & INT. DIAPHRAGMS

PRINT DIST.		
3	5-10-73	For Appr.
3	7-24-73	Final Appr.
1 Sep.	8-13-73	Brew
25	8-30-73	State
2	8-30-73	Cust.

REV. △	7-23-73	H.L.
CHECKED	5-8-73	H.L.
DRAWN	4-2-73	GD

Bancroft & Martin Inc.
South Portland, Maine 04106

JOB: MEDUXNEKEAG RIVER BRIDGE
MONTICELLO, MAINE

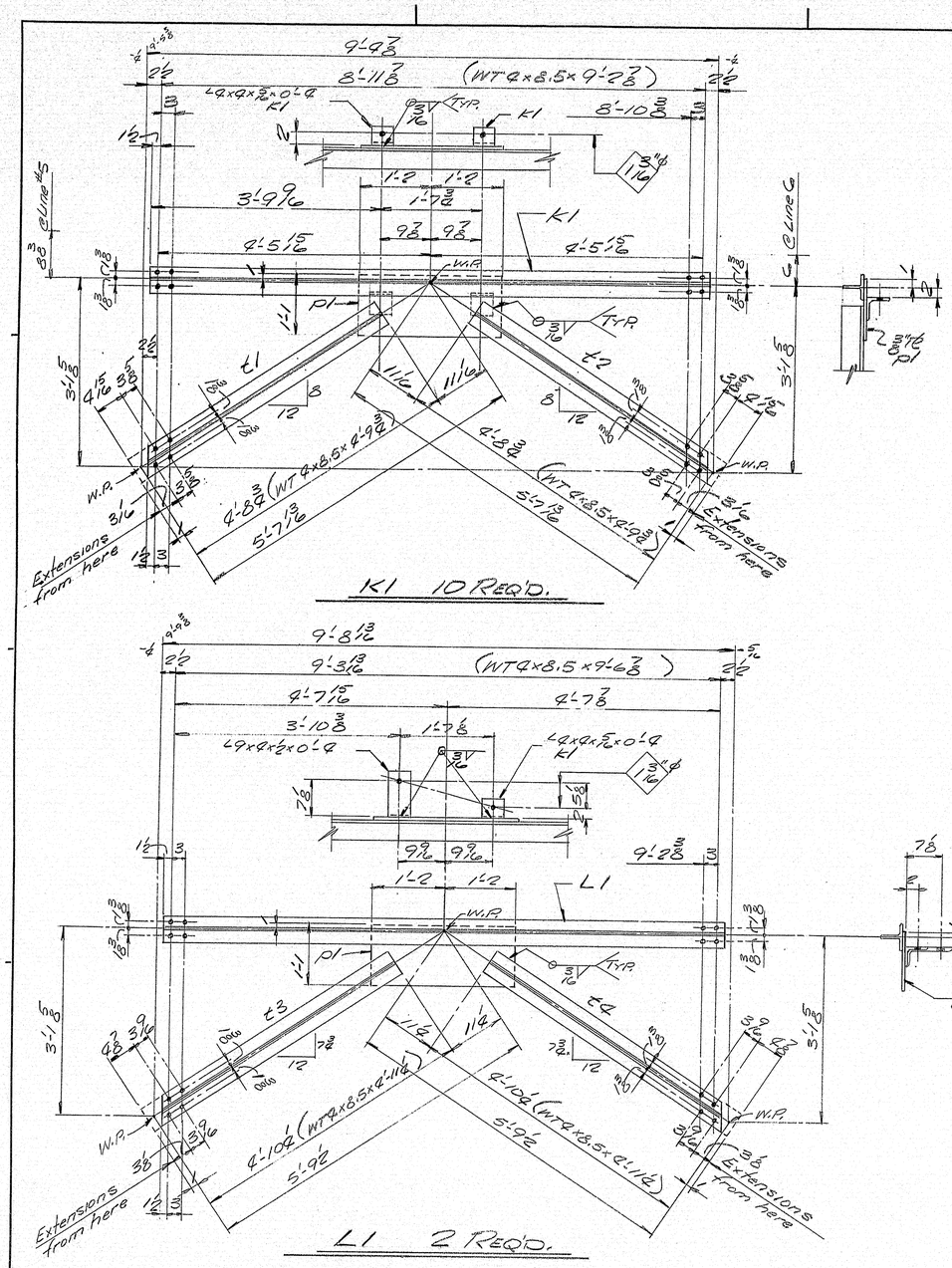
CUSTOMER: CIANBRO CORP.

DESIGNER: MAINE DEPT. OF TRANSPORTATION

ORDER NO.	JOB NO.	DRAWING NO.
	B73-13	53-4

Quantities

140-104



SHIP	BILL OF MATERIAL	JOB NO. B73-13	DWG. NO. 56-1

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
K1	10		WT9x8.5	9 2 3/8			
	10	t1	Do	4 9 3/4			Layout
	10	t2	Do	4 9 3/4			Do
	10	P1	PL 3/8" x 13	2 9			
	20	E1	L 9x9x 7/8	0 9			
L1	2		WT9x8.5	9 6 3/8			
	2	t3	Do	9 11 9/16			Layout
	2	t4	Do	9 11 9/16			Do
	2	P1	PL 3/8 x 13	2 9			
	2	K1	L 9x9x 7/8	0 9			
	2	K2	L 9x9x 7/8	0 9			

HOLES ARE FOR HIGH TENSILE BOLTS
They are to be free from burrs and shall not be painted on any surface within 6" of such open holes.

STEEL: ASTM.	A36
WELDING ELECTRODE	See welding Procedure
SHOP CONN:	Welded
FIELD CONN:	3/4" Hig. Bolt (A325 Type 1)
HOLES:	13/16" ϕ, Unless noted
PAINT:	Red lead per Maine Spec.
SPECIAL CLEANING:	Blast clean
APPROVED:	8-3-73

DIAPHRAGMS

PRINT DIST.		
3	7-24-73	APP.
1 SEP	8-13-73	BRKW
15	8-20-73	STATE
2	8-30-73	CUST

Bancroft & Martin Inc.
South Portland, Maine 04106

JOB: MEDUXNEKEAG RIVER BRIDGE
MONTICELLO, MAINE.

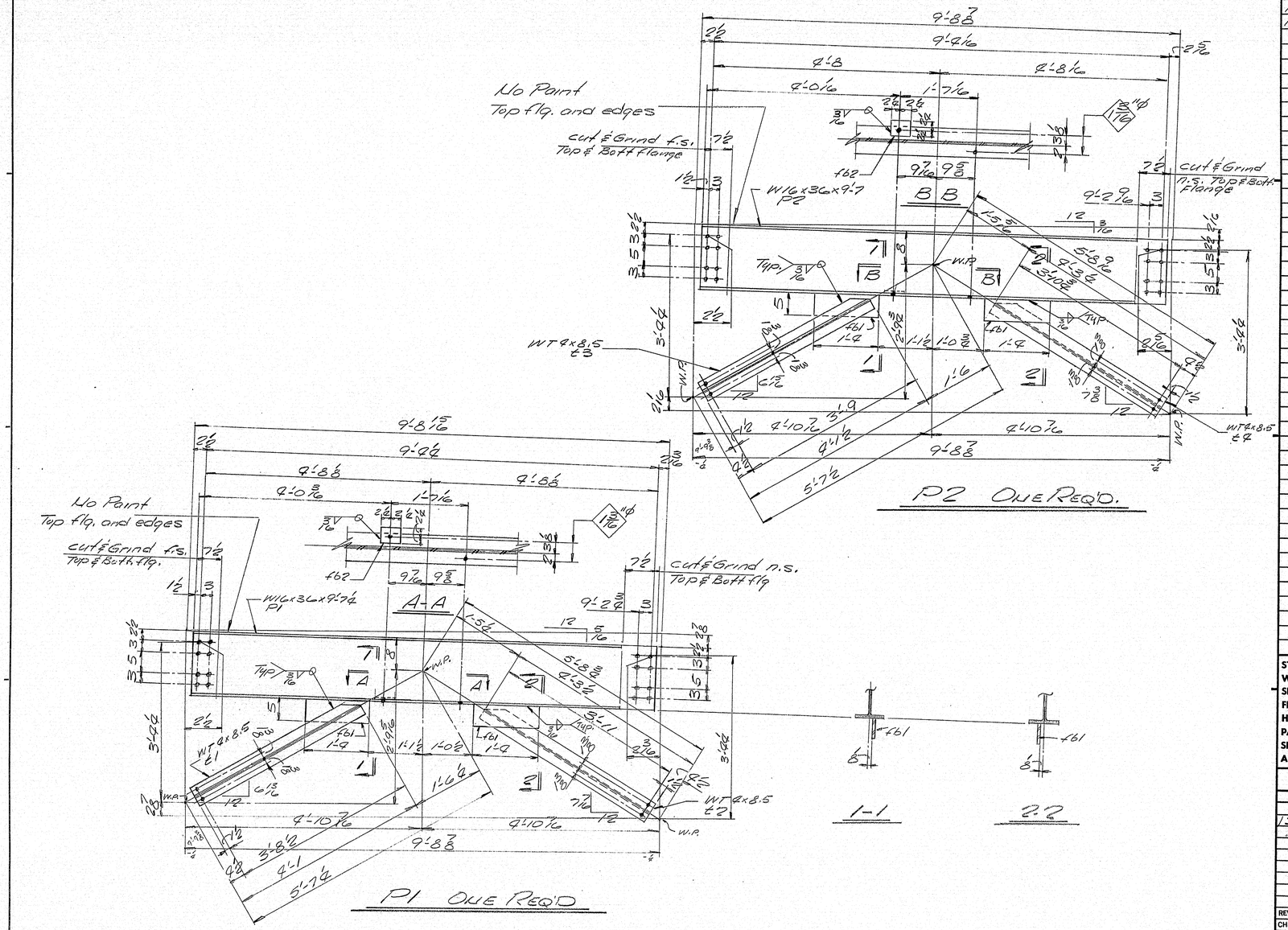
CUSTOMER: CIANBRO CORP.

DESIGNER: MAINE DEPT. OF TRANS.

REV.		
CHECKED		
DRAWN	7-10-73	H.L.

ORDER NO.	JOB NO.	DRAWING NO.
	B73-13	56-1

140-105



SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.		REMARKS
P1	1		W16x36	9 7½				
P2	1		Do	9 7				
	1	E1	WT9x8.5	3 10				
	1	E2	Do	2 06½				
	1	E3	Do	3 10½				
	1	E2	Do	2 06½				
	2	fb1	Bar 5x⅜	1 4				
	2	fb2	Bar 9½x⅜	0 7½				

HOLES ARE FOR HIGH TENSILE BOLTS
They are to be free from burrs and shall not be painted on any surface within 5" of such open holes

STEEL: ASTM. A36
WELDING ELECTRODE See Welding Procedure
SHOP CONN: Welded
FIELD CONN: ⅞" H.S. Bolts (A325 Type 1)
HOLES: 15/16" unless noted.
PAINT: Red lead per Maine Spec, as noted
SPECIAL CLEANING: Blast clean
APPROVED: 8-3-73

DIAPHRAGMS

PRINT DIST.		
3	7-26-73	APP.
1 SEP	8-13-73	BREW
25	8-30-73	STATE
2	8-30-73	CUST.

Bancroft & Martin Inc.
South Portland, Maine 04106

JOB: MEDUXNEKEAG RIVER BRIDGE
MONTICELLO, MAINE
CUSTOMER: CIANBRO CORP.
DESIGNER: MAINE DEPT. OF TRANS.

REV.	ORDER NO.	JOB NO.	DRAWING NO.
CHECKED			
DRAWN 7-10-73 H.L.		B73-13	56-2

140-106

SHIP	BILL OF MATERIAL	JOB NO. 873-13	DWG. NO. 56-3

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
M1	4		W16x36	9 7			
	4	E1	WT 9x8.5	3 10½			
	4	E2	Do	4 06			
	8	FB1	Bar 5x⅜	1 9			
	4	FB2	Bar 9½x⅜	0 9½			

HOLES ARE FOR HIGH TENSILE BOLTS
They are to be free from burrs and shall not be painted on any surface within 5" of such open holes

STEEL: ASTM.	A36
WELDING ELECTRODE	See Welding Procedure
SHOP CONN:	Welded
FIELD CONN:	⅞" H.S. Bolts A325 Type 1
HOLES:	13/16" Unless noted
PAINT:	Red lead per Maine Spec, As Noted
SPECIAL CLEANING:	Blast clean
APPROVED:	8-3-73

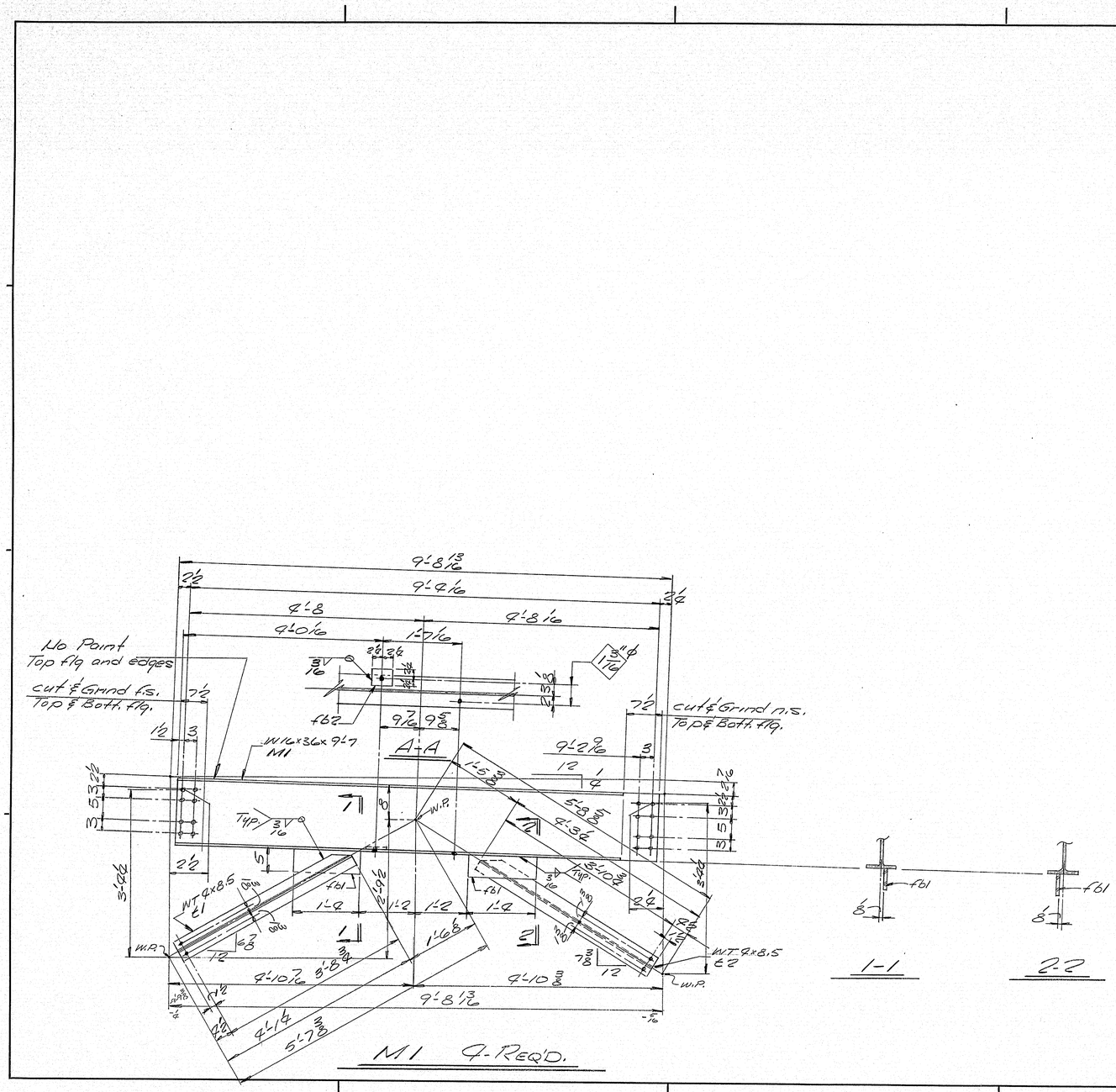
DIAPHRAGMS

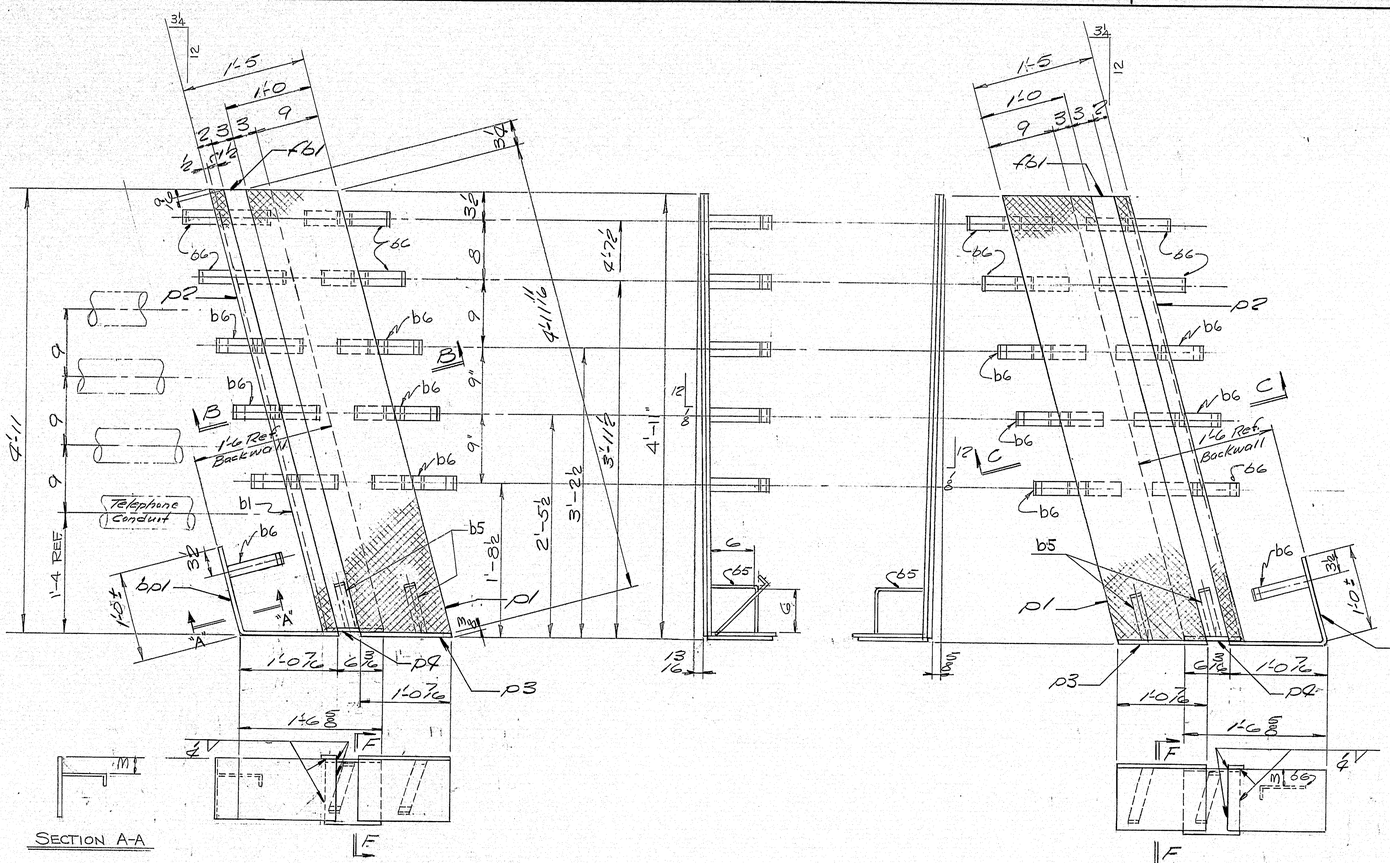
PRINT DIST.		
3	7-24-73	APP.
1 SEP.	8-13-73	BREW.
7	8-30-73	STATE
2	8-30-73	CUST.

Bancroft & Martin Inc.
South Portland, Maine 04106

JOB: MEDUXNEKEAG RIVER BRIDGE
MONTICELLO, MAINE
CUSTOMER: CIANBRO CORP.
DESIGNER: MAINE DEPT. OF TRANS.

REV.			ORDER NO.	JOB NO.	DRAWING NO.
CHECKED					
DRAWN	7-10-73	H.C.		873-13	56-3



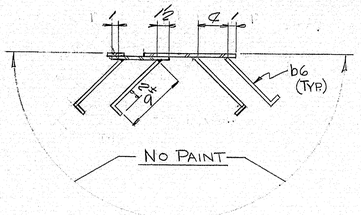


— SIDEWALK EXPANSION DAM —
LOCATION — ABUT. No 1

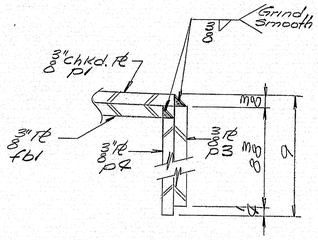
ONE SD1

— SIDEWALK EXPANSION DAM —
LOCATION — ABUT. No 2

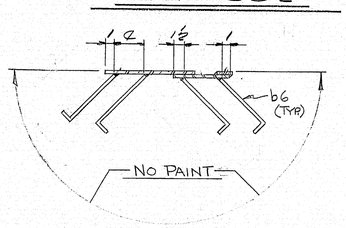
ONE SD2



SECT. "B-B"



SECT. F-F



SECT. "C-C"

SHIP	BILL OF MATERIAL				JOB NO. B73-13		DWG. NO. 57-1
MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
SD-1	1		EXP. DAM		—		
SD2	1		DO		—		
	2	p1	PL ½ x 3½	5 2½	19	C3	Chkd. Rt
	2	p2	PL ½ x 3½	5 0½	76	76	DO
	2	fb1	Bar ½ x 3½	5 1½			
	2	b3	PL ⅜ x 8½	1 0½			
	2	b4	PL ⅜ x 8½	0 7½			
	2	bp1	PL ⅜ x 8½	2 0½			bend
	42	b6	Bar ½ x 3½	0 11			bend
	4	b5	Bar ½ x 3½	1 0			DO

— NOTE: — BUNDLE SD-1 & SD-2, LOOSE PARTS, WITH PROPER SUB. ASSY., — FOR SHIPMENT.

ITEM No. 504.70
PROJECT No. 50-1 (6)

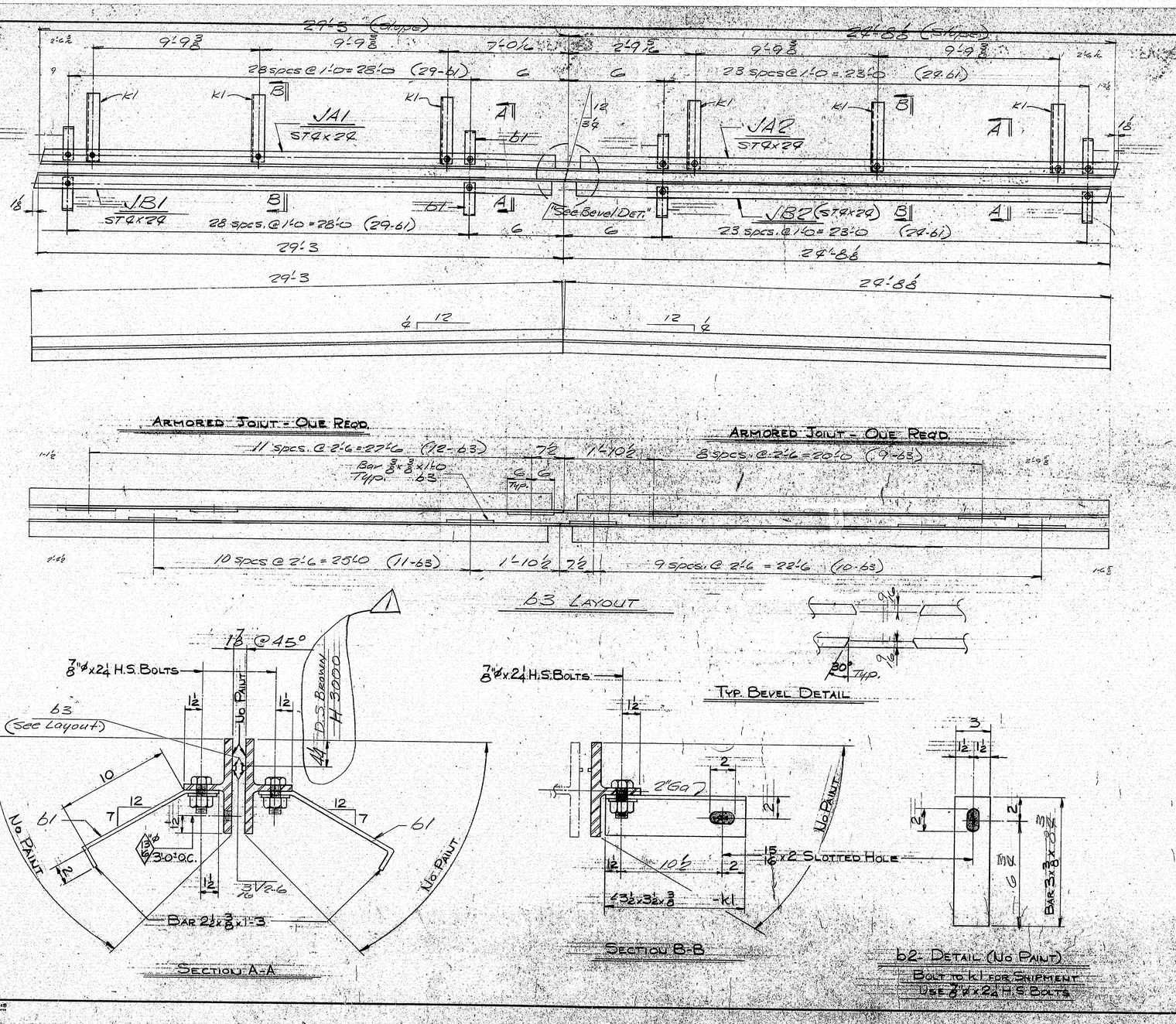
STEEL: ASTM. A36
WELDING ELECTRODE SEE WELD PROCEDURE.
SHOP CONN: WELDED.
FIELD CONN:
HOLES:
PAINT: RED LEAD PER MAINE SPEC. As Noted.
SPECIAL CLEANING: Blast clean
APPROVED: 8-3-73

— SIDEWALK EXPANSION DAM —

PRINT DIST.			
3	5-15-73	Post Mod.	Bancroft & Martin Inc.
3	7-27-73	Final Rev.	South Portland, Maine 04106
1 SEP.	8-13-73	BREW.	JOB: MEDUXNEKEAG-RIVER BRIDGE
2S	8-30-73	STATE	MONTICELLO, MAINE.
2	8-30-73	CUST.	CUSTOMER: CIANBRO CORP.
			DESIGNER: MAINE DEPT. OF TRANSPORTATION

REV.	5-14-73	H.L.	ORDER NO.	JOB NO.	DRAWING NO.
CHECKED	5-14-73	H.L.		B73-13	57-1
DRAWN	8-9-73	ENG			

140 — 108



SHIP	BILL OF MATERIAL	JOB NO. 873-13	DWG. NO. 58-1

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
JA1	1		ST 9x29	29 3	—		
JA2	1		Do	29 9½	—		
JB1	1		Do	29 9⅜	—		
JB2	1		Do	29 8⅝	—		
	106	61	Bar 2½ x ⅜	1 3			Bend
	92	63	Bar ⅜ x ⅜	1 0			
	6	K1	⌜3½ x 3½ x ⅜⌝	1 2			
	6	62	Bar 3 x ⅜	0 8⅜			
	118	Shop	⅞" ø H.S. Bolt	0 2½			A325
	118	Do	⅞" Hard Washer				Do

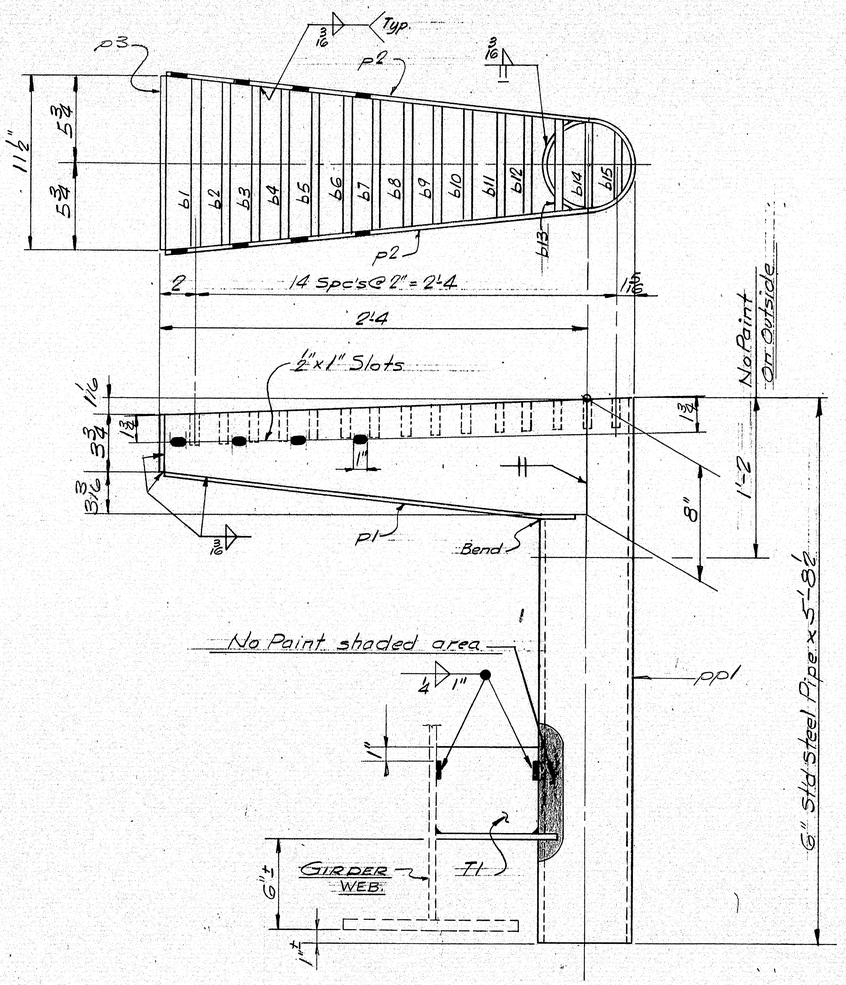
PROJECT NO: 50-7(6)
ITEM NO: 509.70

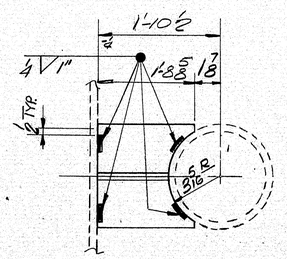
STEEL: ASTM. A36.
WELDING ELECTRODE: See Welding Procedure
SHOP CONN: BOLTED A325 Type 1
FIELD CONN: WELDED
HOLES: 15/16" ø AS NOTED
PAINT: RED LEAD PER MAINE SPECS & AS NOTED
SPECIAL CLEANING: BLAST CLEAN
APPROVED: 10-2-73

ARMORED JOINTS - ABUT. #1

	PRINT DIST.		
3	5-15-73	Apr. Mod.	Bancroft & Martin Inc.
3	7-26-73	Print & Rip	South Portland, Maine 04106
1	9-7-73	Sepia	
2	9-7-73	F.A.	MEDUXNEKEAG RIVER BRIDGE
1 Sep	9-27-73	Brdw.	MONTICELLO, MAINE.
2 Sep	9-27-73	State	
12	10-3-73	Just.	CUSTOMER: CIANBRO CORP.
			DESIGNER: MAINE S.H.C. - BRIDGE DIV.
REV. 1	9-27-73	JPF	ORDER NO. / JOB NO. 873-13 / DRAWING NO. 58-1
CHECKED			
DRAWN	5-15-73	M.G.	

140-109





ST GWF 13.5 x 1'-8⅝ - T1
7 - REQ'D.
No Paint

DRAIN DR1 - 7 - REQ'D.

See State's Dwg's for location.

(SEE DWG. 59-2, SIMILAR DETAILS.)

SHIP	BILL OF MATERIAL	JOB NO.	DWG. NO.

MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
DR1	7		SHOP ASSEMBLY		—		
T1	7		ST GWF 13.5	1' 8⅝		49	LAYOUT
	7	p1	R 11½ x 4	2 3		45	LAYOUT
	14	p2	R 8 x 4	2 3¾		44	-DO-
	7	p3	Bar 3¾ x 4	0 11½		46	
	7	b1	Bar 2 x ½	0 11 3/16		47	
	7	b2		0 10¾			
	7	b3		0 10 5/16			
	7	b4		0 9¾			
	7	b5		0 9½			
	7	b6		0 9 5/16			
	7	b7		0 8 13/16			
	7	b8		0 8⅜			
	7	b9		0 8			
	7	b10		0 7 5/16			
	7	b11		0 7 3/16			
	7	b12		0 6 5/16			
	7	b13		0 6 1/16			
	7	b14		0 6			
	7	b15	Bar 2 x ½	0 5		47	
	7	pp1	6" STD PIPE	5 8½		48	

ITEM No. 504.70
PROJ. No. - 50-1 (6)

STEEL: ASTM. A36
WELDING ELECTRODE - SEE WELD PROCEDURE
SHOP CONN: Welded.
FIELD CONN: Welded.
HOLES: As Noted.
PAINT: Red Lead per Maine Specs: As Noted
SPECIAL CLEANING: Blast Clean.
APPROVED: 8-3-73

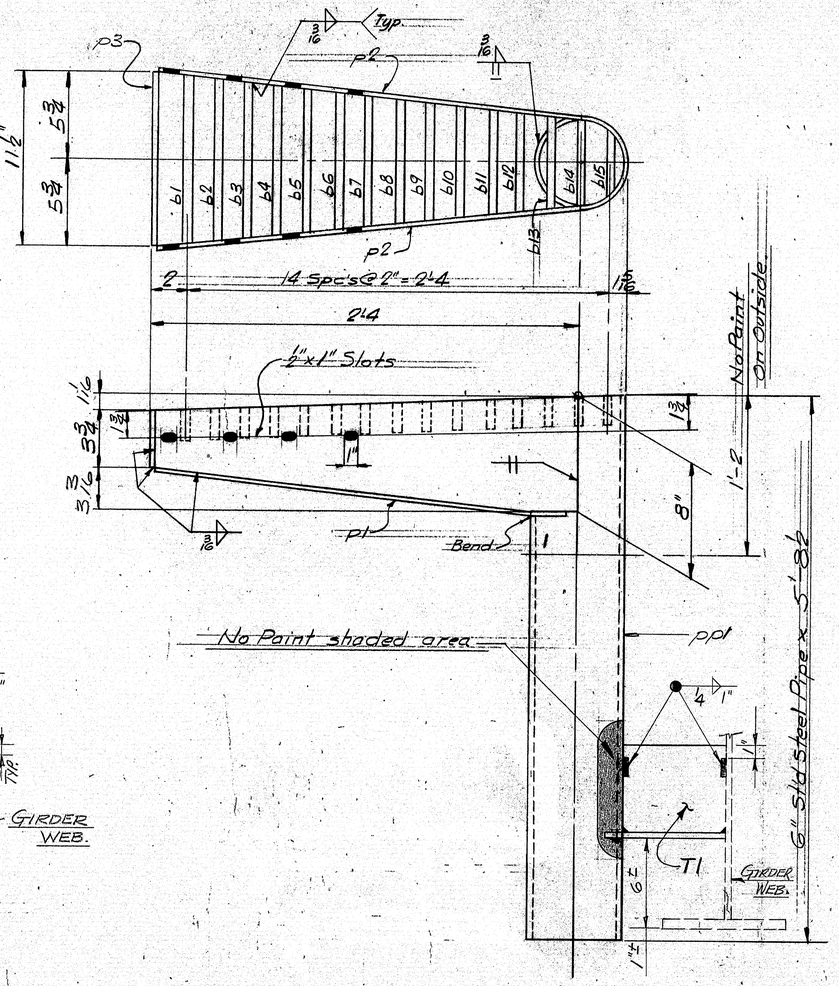
DRAINS

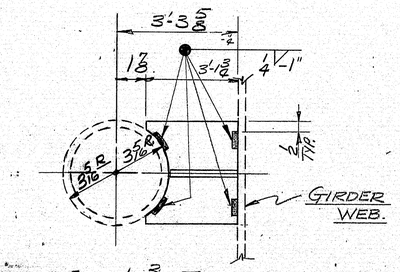
	PRINT DIST.		
3	5-15-73	APP'D	Bancroft & Martin Inc.
3	7-24-73	FINAL PRINTS	South Portland, Maine 04106
1 SEP	8-13-73	BRDG.	JOB: MEDUXNEKEAG-RIVER BRIDGE
25	8-30-73	STATE	MONTICELLO, MAINE.
2	8-30-73	CUST.	

CUSTOMER: CIANBRO CORP.
DESIGNER: MAINE DEPT. OF TRANSPORTATION

REV.		ORDER NO.	JOB NO.	DRAWING NO.
CHECKED	5-14-73 H.L.		B73-13	59-1
DRAWN	3-27-73 E.J.L.			

140-110





ST GWF 13.5 x 3'-1½ - T2.
7 - REQ'D.
No Paint

DRAIN DR2 - 7 - REQ'D.
See State's Dwg's for location.
(SEE DWG. 59-1, SIMILAR DETAILS.)

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	ITEM NO.	REMARKS
DR2	7		SHOP ASSEMBLY		—		
T2	7		ST GWF 13.5	3 1/2		15	LAYOUT
	7	p1	R 11½ x ¼	2	3	45	LAYOUT
	14	p2	R 8 x ¼	2	3¾	44	-DO-
	7	p3	Bar 3¾ x ¼	0	11½	46	
	7	b1	Bar 2 x ½	0	11⅝	47	
	7	b2		0	10¾		
	7	b3		0	10⅝		
	7	b4		0	9¾		
	7	b5		0	9½		
	7	b6		0	9⅜		
	7	b7		0	8⅛		
	7	b8		0	8¾		
	7	b9		0	8		
	7	b10		0	7⅛		
	7	b11		0	7¾		
	7	b12		0	6⅝		
	7	b13		0	6⅛		
	7	b14		0	6		
	7	b15	Bar 2 x ½	0	5	41	
	7	pp1	6" STD PIPE	5	8½	48	

ITEM NO. - 504.70
FED PROJ. NO. - 50-1(6)

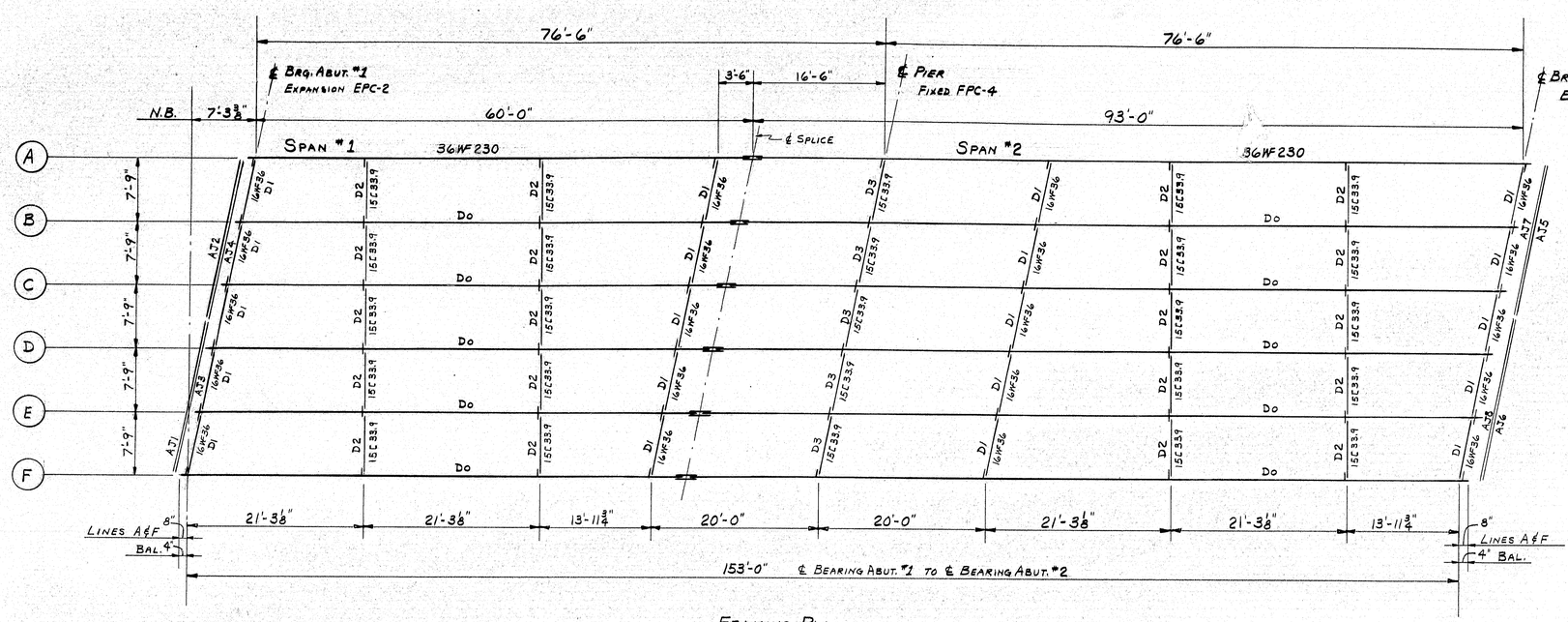
STEEL: ASTM. - A36
WELDING ELECTRODE - SEE WELD PROCEDURE.
SHOP CONN: Welded
FIELD CONN: Welded
HOLES: As Noted
PAINT: Red Lead per Maine Specs. As Noted.
SPECIAL CLEANING: Blast Clean
APPROVED: 5-3-73

DRAINS

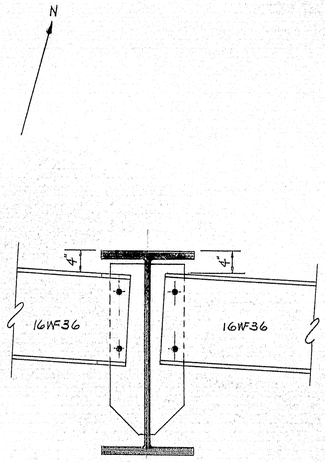
REV.	PRINT DIST.		
3	5-15-73	Ltr.	
3	7-24-73	Ltr.	
1 Sep.	8-13-73	Brdwl.	
2S	8-30-73	State	
2	8-30-73	Dist.	
CHECKED	5-12-73	H.L.	
DRAWN	3-27-73	BRD	

Bancroft & Martin Inc.
South Portland, Maine 04106
JOB: MEDUXNEKEAG - RIVER BRIDGE
MONTICELLO, MAINE
CUSTOMER: CIANBRO CORP.
DESIGNER: MAINE DEPT. OF TRANSPORTATION
ORDER NO. | JOB NO. B 73-13 | DRAWING NO. 59-2

140-111



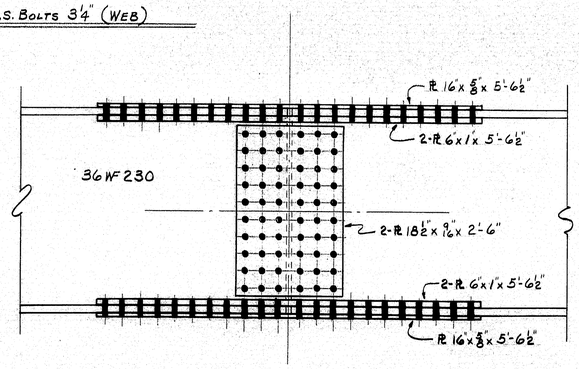
Framing Plan



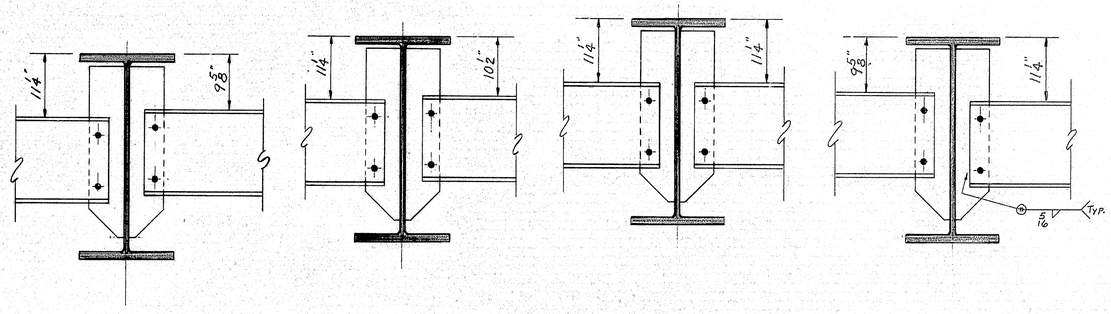
Typ. Detail at 16WF36

44 - ⅞ϕ H.S. Bolts 4¼" (Flange) T.&B.

60 - ⅞ϕ H.S. Bolts 3¼" (Web)



Typ. Splice Detail



Detail of Diaphragms at 15C33.9

All Structural Steel shall conform to the latest revision of the specification ASTM A36 unless otherwise noted on standard detail.

Bolts for splices shall be ASTM A325 7/8"ϕ heavy hexagon structural bolts with heavy semi-finished hexagon nuts and hardened washers.

Holes for stringers are for high strength bolts, they are to be free from burrs, ther shall be no paint three inches of such holes.

Sub punch or drill 11/16"ϕ, ream assembaled (not with template) parts to be connected in the field to 15/16" or drill from solid. Match mark all connecting parts before disassemblimg and supply the engineer with a diagram showing match marks.

Fabricate and erect in accordance with M. S. H. O. standard specifications.

SHOP CONNECTIONS: Weld
FIELD CONNECTIONS: Bolt ⅞ϕ H.S. & Weld
HOLES: 15/16ϕ
PAINT: State of Maine Specs.

Proj. No. I-95-9(23)297

Framing Plan Northbound

Print Issue		
5	State	8-9-65
3	Cust.	4-30-65
2	Shop	4-30-65
2	F.A.	4-14-65
Drawn	4-1-65	C.J.M.
Revision		
Revision		
Revision		

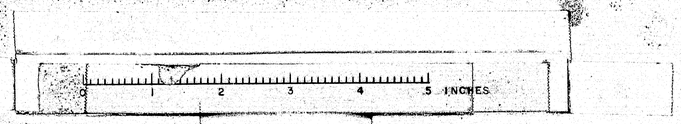
Bancroft & Martin Inc.
Brewer, Maine

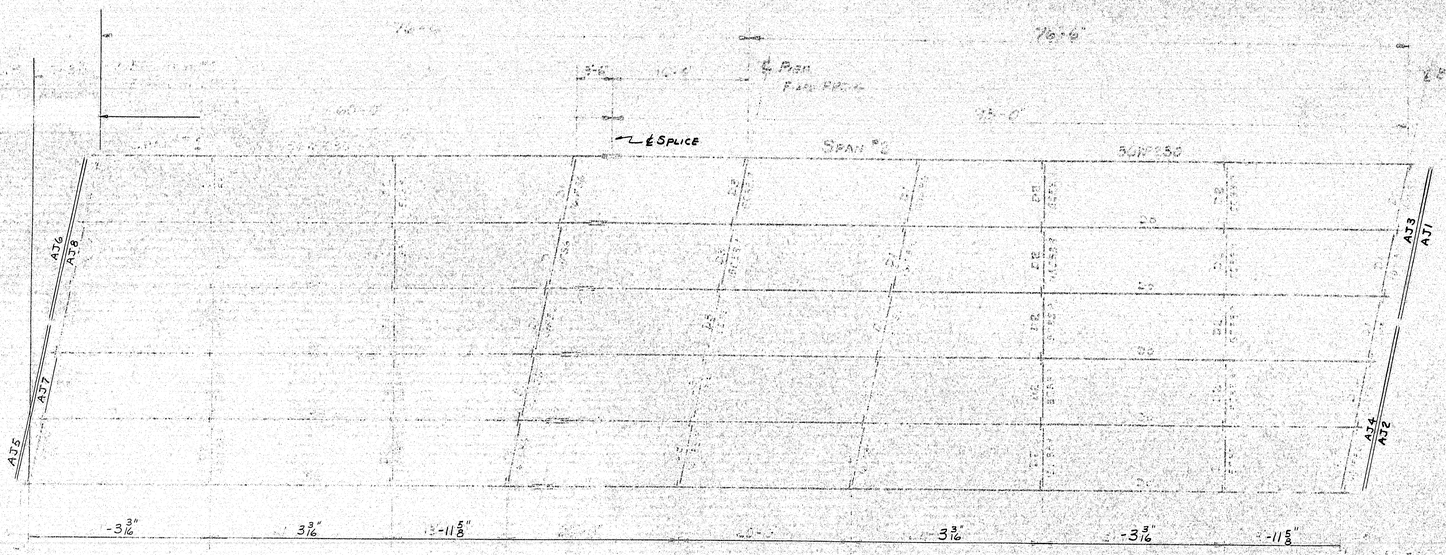
Interstate 95 over U.S. Route #1
Houlton, Maine

Customer Callahan Brothers Inc.
Designer State Highway Comm.
Order Verbal
Dwg. B65-22-E1

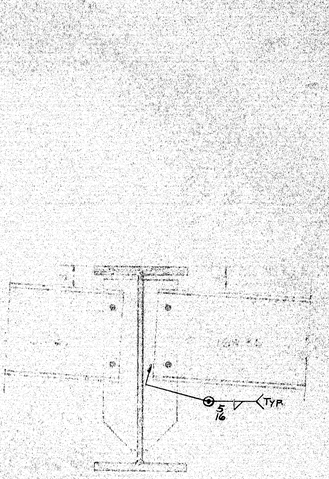
94-114

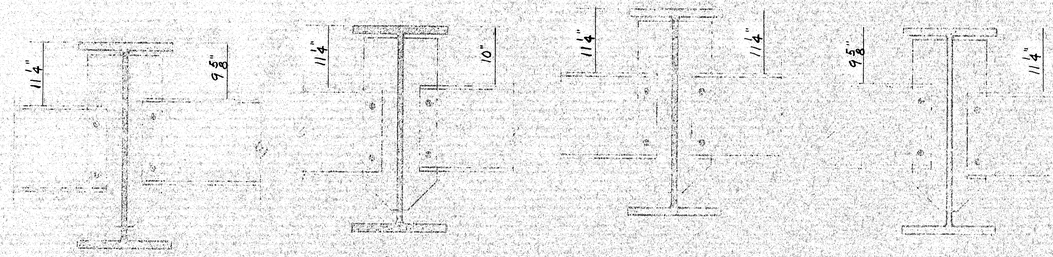
(11)





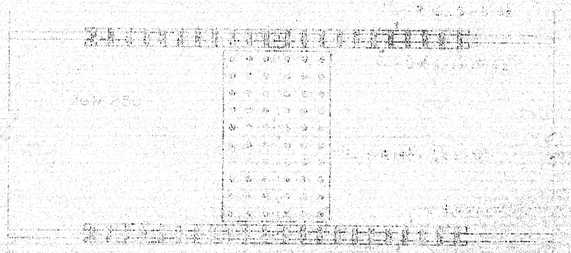
FRAMING PLAN





DETAIL OF DIAPHRAGMS AT 16 SPA.

T & B.



SHOP CONNECTIONS: WELD
FIELD CONNECTIONS: BOLT, GAINE & WELD
HOLES: 13/16
PAINT: ONE COAT OF MAINE GREEN

Proj. No. I-95-9(23)297

FRAMING PLAN SOUTHBOUND

NO.	ISSUE	DATE
5	STATE	8-9-65
3	CUST.	4-30-65
2	SHOP	4-30-65
2	F.A.	4-14-65

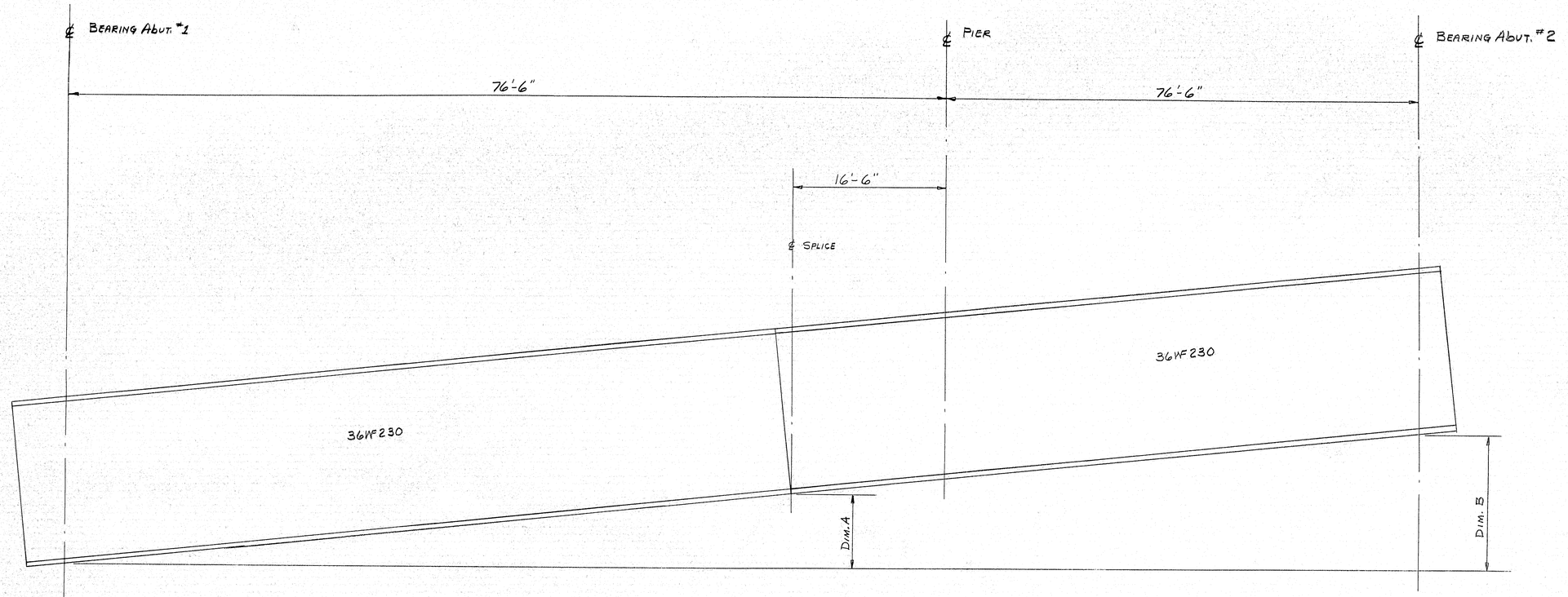
DRAWN 4-1-65 TCH
REVISION
REVISION
REVISION

Bancroft & Martin Inc.
Brewer, Maine

INTERSTATE 95 OVER U.S. ROUTE #2
HOULTON MAINE

CUSTOMER C. ALLAN & BROTHERS INC.
DESIGNER STATE HIGHWAY DEPT.
ORDER 12823 DWG. E2

94-115



Elevations

Northbound

Line	Dim. A	Dim. B
A	1'-4"	2'-3 7/8"
B	1'-4 3/16"	2'-4 7/16"
C	1'-4 7/16"	2'-5 3/16"
D	1'-5 1/8"	2'-5 9/16"
E	1'-5 3/8"	2'-6 1/4"
F	1'-5 5/8"	2'-6 13/16"

Southbound

Line	Dim. A	Dim. B
A	0'-5 1/2"	1'-0 1/8"
B	0'-5 1/2"	1'-0 3/16"
C	0'-5 9/16"	1'-0 1/4"
D	0'-5 5/8"	1'-0 5/16"
E	0'-5 11/16"	1'-0 7/16"
F	0'-5 11/16"	1'-0 1/2"

SHOP CONNECTIONS:
FIELD CONNECTIONS: 7/8" ø H.S. Bolts
HOLES: 15/16" ø U.H.
PAINT: State of Maine Spec's.

Elevations Both Lanes

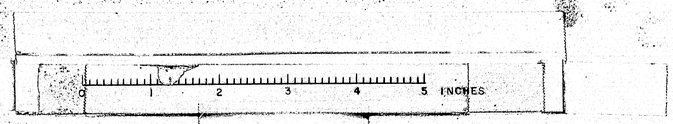
Print Issue		
5	State	8-9-65
3	Cust.	4-30-65
2	Shop	4-30-65
2	F.A.	4-14-65
Drawn	4-14-65	C.J.M.
Revision		
Revision		
Revision		

Bancroft & Martin Inc.
Brewer, Maine

Interstate 95 over U.S. Route #1
Proj. No. I-95-9(23)297
Houlton, Maine

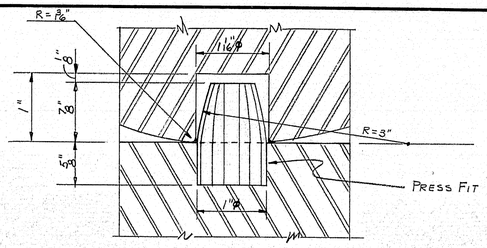
Customer Callahan Brothers Inc.
Designer State Highway Comm.
Order Verbal
Dwg. B65-22-E3

97-112

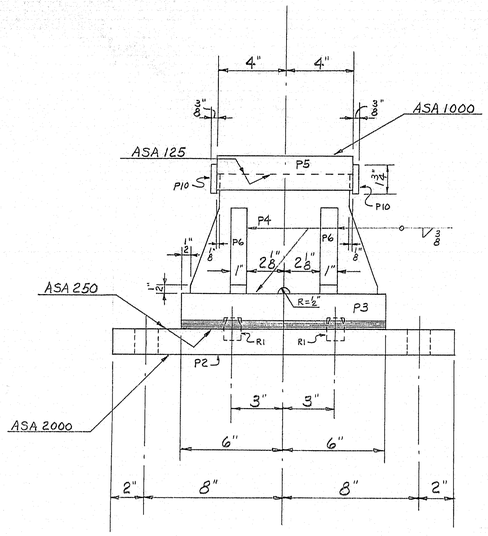


PAINT NOTES

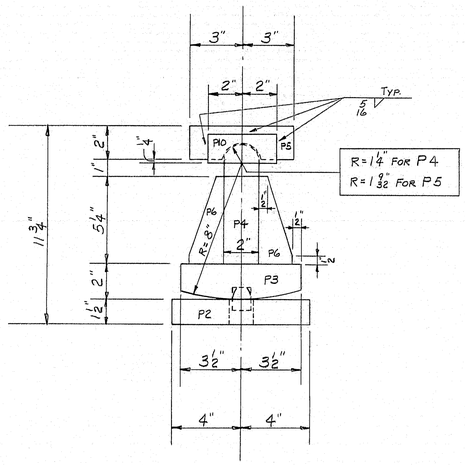
No paint on anchor bolts- oil threads. No paint on top surface and $\frac{3}{8}$" down from top on sides of sole plates. Coat with boiled linseed oil. No paint on surfaces finished ASA 250. Coat with hot mixture of white lead and tallow. No paint on surfaces finished ASA 125.

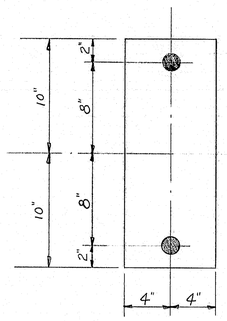


DETAIL OF-R1

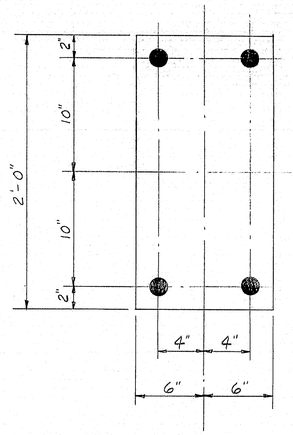


24-EPC-2

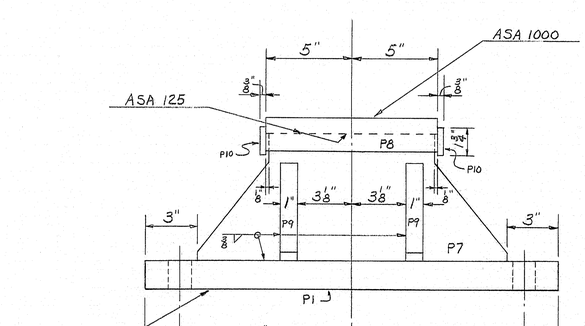


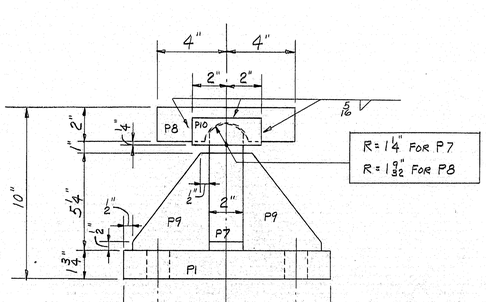


24-SPI

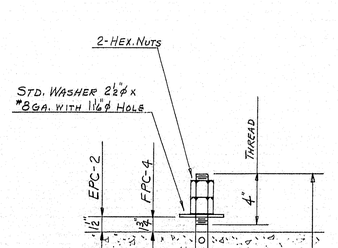


12-SP2





12-FPC-4



96-AB1

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
EPC-2	24		PEDESTAL			A36
	24	P2	PL 8 x 1½	1 8		
	24	P3	PL 7 x 2	1 0		
	24	P4	PL 7¼ x 2	0 11		
	24	P5	PL 6 x 2	0 8		
	96	P6	PL 2 x 1	0 5¼		
	48	R1	1"ø ROD	0 1'2		DOWEL
	48	P10	PL 1¾ x ⅜	0 4		
FPC-4	12		PEDESTAL			
	12	P1	PL 12 x 1¾	2 0		
	12	P7	PL 7¼ x 2	1 6		
	12	P8	PL 8 x 2	0 10		
	48	P9	PL 4½ x 1	0 5¼		
	24	P10	PL 1¾ x ⅜	0 4		
SP1	24		PL 8 x ½	1 8		FABCO
SP2	12		PL 12 x ½	2 0		FABCO
AB1	96		1"ø ROD	1 8		SWEDGE ANCHORS
	192		1"ø HEX. NUTS			
	96		1"ø STD. WASHERS			

BILL OF MATERIAL — DWG. B65-22-S1

SHOP CONNECTIONS: WELD { PREHEAT TO 50°F E70 LOW-HYDROGEN OR SAW-1
FIELD CONNECTIONS: BOLT
HOLES: 1⅜"ø U.N.
PAINT: STATE OF MAINE SPECS.

PROJ. No. I-95-9(23)297

BEARING PEDESTALS

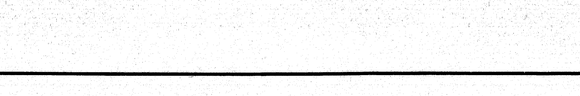
PRINT ISSUE		
5	STATE	8-9-65
3	CUST.	4-30-65
2	PORT. REG.	4-30-65
2	F.A.	4-14-65
DRAWN	4-5-65	C.J.M.
REVISION		
REVISION		
REVISION		

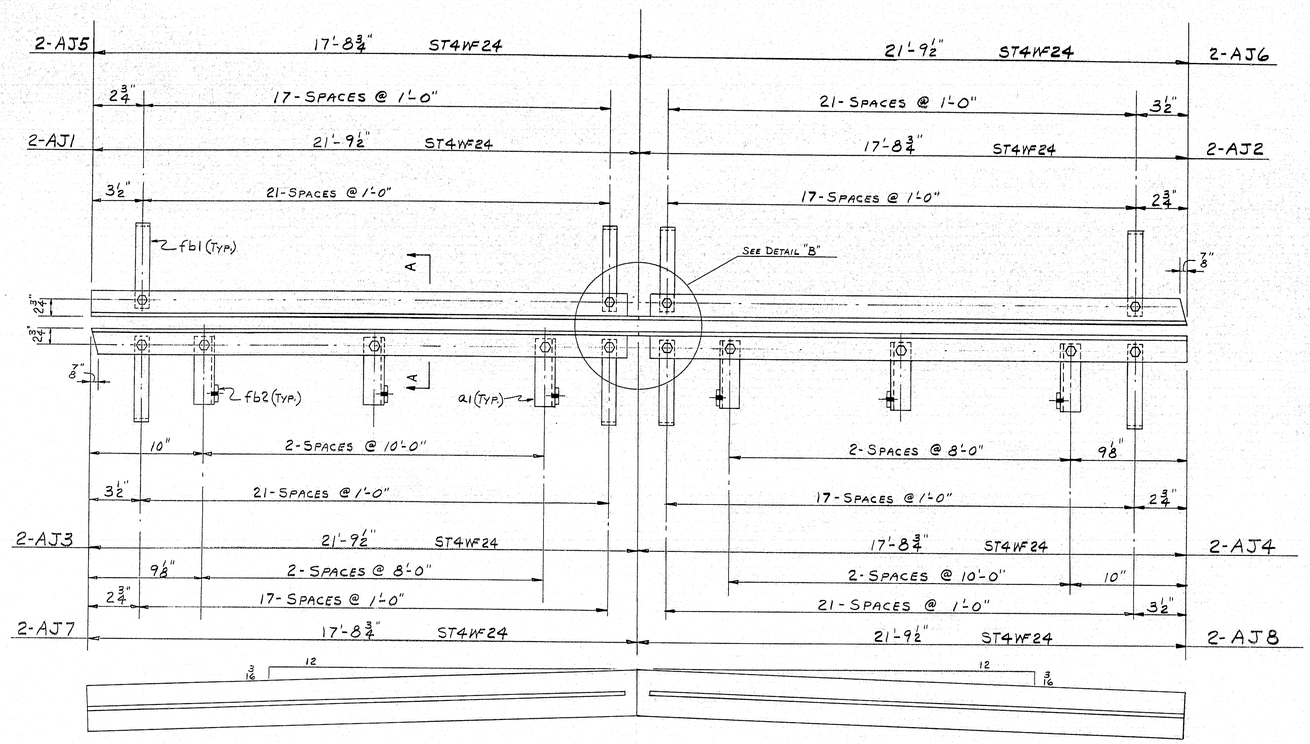
Bancroft & Martin Inc.
Brewer, Maine

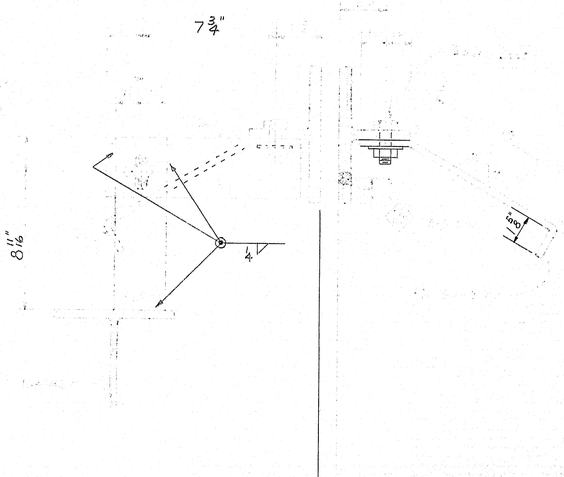
INTERSTATE 95 OVER U.S. ROUTE #1
HOULTON, MAINE

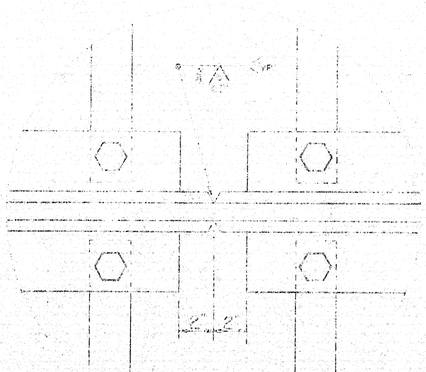
CUSTOMER CALLAHAN BROTHERS INC.
DESIGNER STATE HIGHWAY COMM.

ORDER VERBAL — DWG. B65-22-S1









DETAIL "B"

SHIP MARK	NO	MARK	SHAPE	LENGTH	WT.	REMARKS
AJ1	2		ST4WF24	21 9½		A36
AJ2	2			17 8¾		
AJ3	2			21 9½		
AJ4	2			17 8¾		
AJ5	2			17 8¾		
AJ6	2			21 9½		
AJ7	2			17 8¾		
AJ8	2			21 9½		
	24	a1	3½x3½x⅜	0 11 4		24-R 24-L A36
	320	fb1	FB. 2½x⅜	1 3		BENT do
	24	fb2	FB. 3x⅜	0 10 11/16		do
	350	SHOP	⅞" H.S. BOLT	0 2 4		HEAVY HEX. NUTS A325
	350	SHOP	⅞" H.S. WASHERS			A325

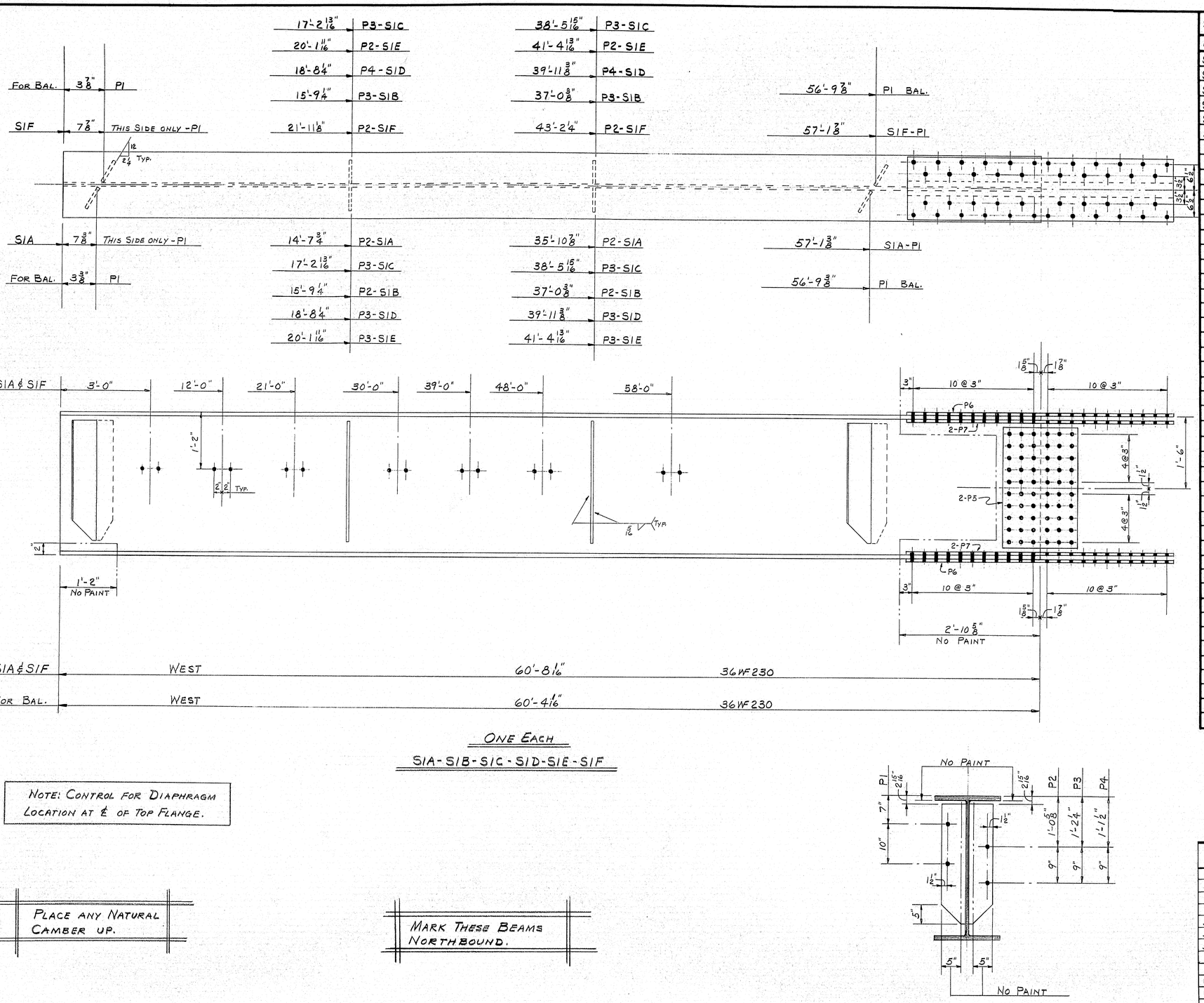
BILL OF MATERIAL DWG. B65-22-S2

SHOP CONNECTIONS: WELD (E-70 LOW-HYDROGEN)
FIELD CONNECTIONS: WELD
HOLES: 15/16" ø U.N.
PAINT: STATE OF MAINE SPECS.

ARMORED JOINT NORTHBOUND & SOUTHBOUND

		Bancroft & Martin Inc. Portland, Maine
5	STATE 8-9-65	INTERSTATE 95 OVER U.S. ROUTE #1
3	CUST. 4-30-65	PROJ. No. I-95-9(23) 297
5	SHOP 4-30-65	HOULTON, MAINE
2	F.A. 4-14-65	CUSTOMER CALLAHAN BROTHERS INC.
DRAWN	4-6-65 C.J.M.	DESIGNER STATE HIGHWAY COMMISSION
REVISION		
REVISION		ORDER VERBAL DWG. B65-22-S2
REVISION		

94-178



SIA & SIF	WEST	60'-8 1/16"	36WF230	
FOR BAL.	WEST	60'-4 1/16"	36WF230	

ONE EACH

SIA-SIB-SIC-SID-SIE-SIF

NOTE: CONTROL FOR DIAPHRAGM LOCATION AT ℄ OF TOP FLANGE.

PLACE ANY NATURAL CAMBER UP.

MARK THESE BEAMS NORTHBOUND.

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
SIA	1		36WF230	60 8 1/16		A36
SIB	1			60 4 1/16		
SIC	1			60 4 1/16		
SID	1			60 4 1/16		
SIE	1			60 4 1/16		
SIF	1		do	60 8 1/16		
	20	P1	PL 6 x 3/8	2 6		
	8	P2	do	2 6		
	10	P3	do	2 6		
	2	P4	do	2 6		
	12	P5	PL 18 1/2 x 9/16	2 6		
	12	P6	PL 16 x 5/8	5 6 1/2		
	24	P7	PL 6 x 1	5 6 1/2		

SHOP CONNECTIONS: WELD (E-70 LOW-HYDROGEN)
FIELD CONNECTIONS: 7/8" ϕ H.S. BOLTS
HOLES: 15/16" ϕ
PAINT: STATE OF MAINE SPEC'S.

STRINGERS SPAN #1 NORTHBOUND

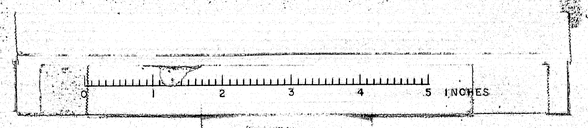
PRINT ISSUE		
5	STATE	8-9-65
3	CUST.	4-30-65
5	SHOP	4-30-65
2	F.A.	4-14-65
DRAWN	4-7-65	C.J.M.
REVISION		
REVISION		
REVISION		

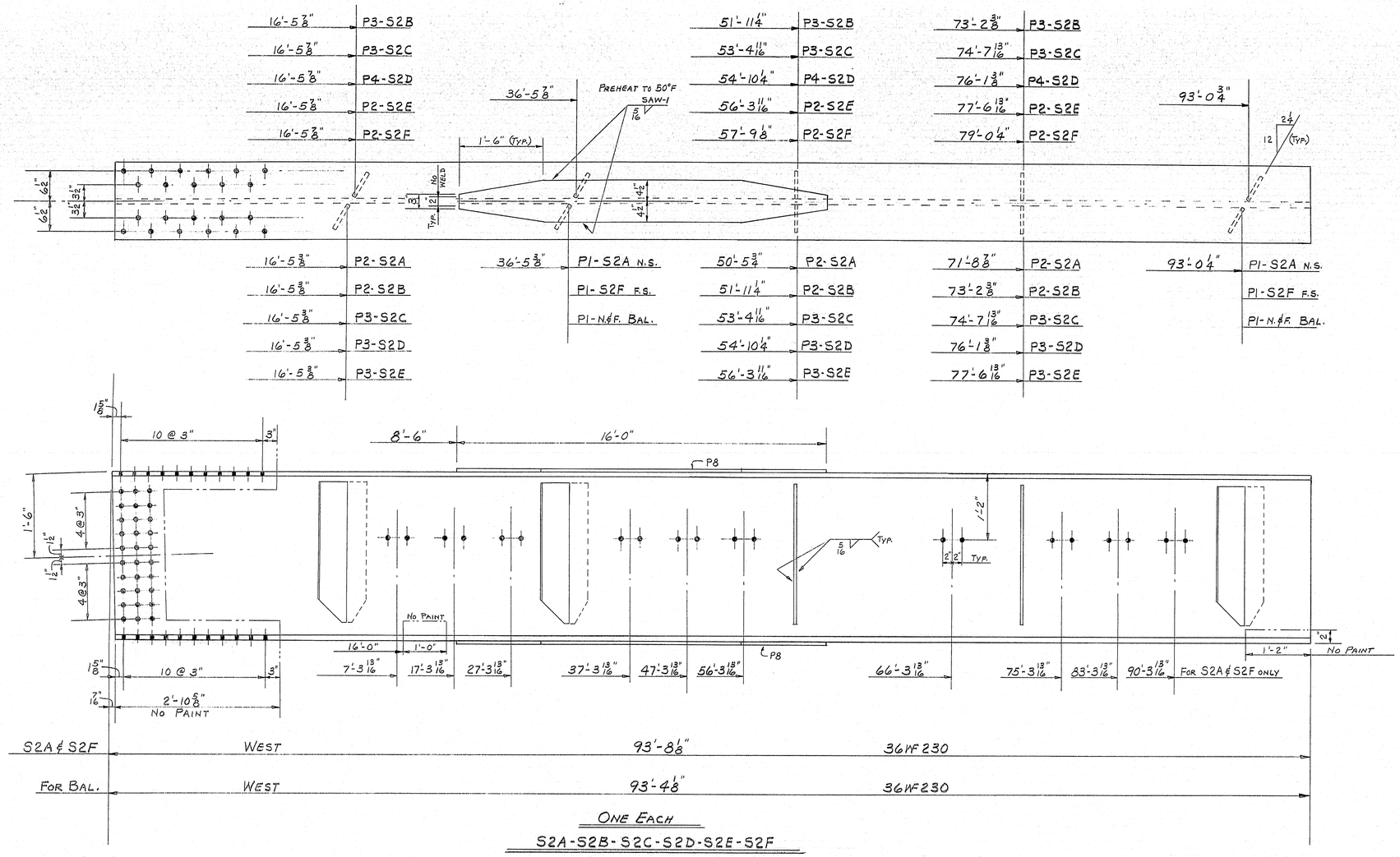
Bancroft & Martin Inc.
Brewer, Maine

INTERSTATE 95 OVER U.S. ROUTE #1
PROJ. NO. I-95-9(23) 297
HOULTON, MAINE

CUSTOMER CALLAHAN BROTHERS INC.
DESIGNER STATE HIGHWAY COMM.
ORDER VERBAL DWG. B65-22-S3

94-179





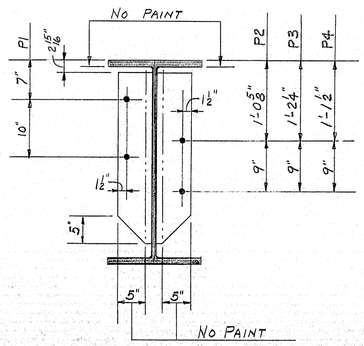
ONE EACH
S2A-S2B-S2C-S2D-S2E-S2F

NOTE: CONTROL FOR DIAPHRAGM LOCATION AT ℄ OF TOP FLANGE.

MATCH THIS END WITH BEAMS MARKED "S1"

PLACE ANY NATURAL CAMBER UP.

MARK THESE BEAMS NORTHBOUND



SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
S2A	1		36WF230	93 8 1/8		A36
S2B	1			93 4 1/8		
S2C	1			93 4 1/8		
S2D	1			93 4 1/8		
S2E	1			93 4 1/8		
S2F	1		do	93 8 1/8		
	20	P1	PL 6x 3/8	2 6		
	12	P2	do	2 6		
	15	P3	do	2 6		
	3	P4	do	2 6		
	12	P8	PL 9x 1/2	16 0		
FIELD	368		7/8" ϕ H.S. BOLT	0 3 4		A325
	540		do	0 4 4		do
	908		7/8" ϕ H.S. WASHERS			
	190		3/4" ϕ M. BOLT	0 1 3/4		W/NUTS

BILL OF MATERIAL — DWG. B65-22-S4

SHOP CONNECTIONS: WELD (E-70 LOW HYDROGEN) U.N.
FIELD CONNECTIONS: 7/8" ϕ H.S. BOLTS
HOLES: 15/16" ϕ
PAINT: STATE OF MAINE SPEC'S.

STRINGERS SPAN #2 NORTHBOUND

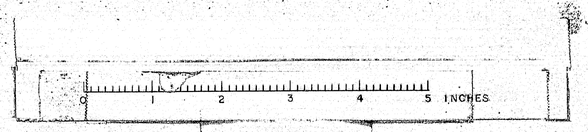
PRINT ISSUE		
5	STATE	8-9-65
3	CUST.	4-30-65
5	SHOP	4-30-65
2	F.A.	4-14-65
DRAWN	4-8-65	C.J.M.
REVISION		
REVISION		
REVISION		

Bancroft & Martin Inc.
Brewer, Maine

INTERSTATE 95 over U.S. ROUTE #1
PROJ. NO. I-95-9(23)297
HOULTON, MAINE

CUSTOMER CALLAHAN BROTHERS INC.
DESIGNER STATE HIGHWAY COMM.
ORDER VERBAL DWG. B65-22-S4

97-120



15'-9 1/8"	P3-S1B
17'-2 11/16"	P3-S1C
18'-8 3/16"	P3-S1D
20'-1 3/4"	P2-S1E
21'-11 3/16"	P2-S1F

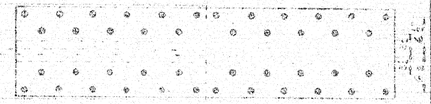
37'-0 5/16"	P3-S1B
38'-5 7/8"	P3-S1C
39'-11 3/8"	P3-S1D
41'-4 15/16"	P2-S1E
43'-2 3/8"	P2-S1F

FOR BAL. 3 7/8" PL

THIS SIDE ONLY S1F 7 7/8" PL

12 / 24 TYP.

56'-9 7/8"	PL-BAL.
57'-1 7/8"	PL-S1F THIS SIDE ONLY.



THIS SIDE ONLY S1A 7 3/8" PL

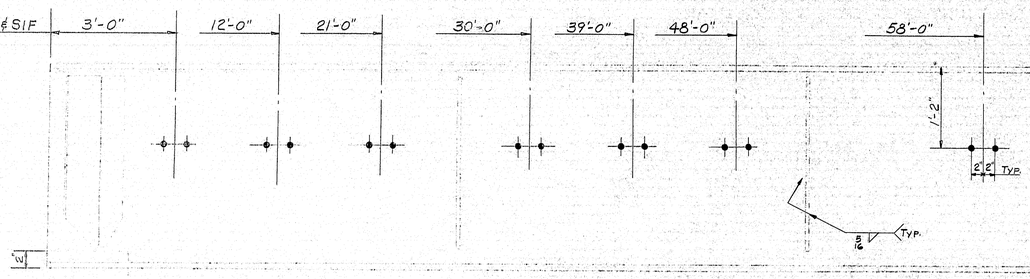
FOR BAL. 3 3/8" PL

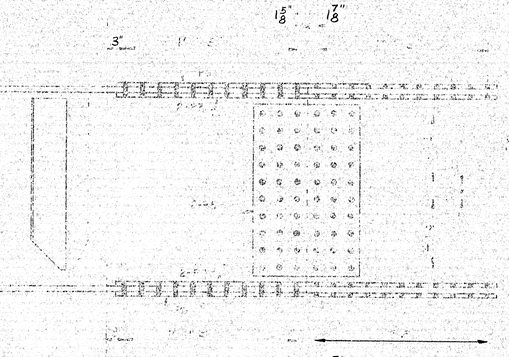
14'-7 5/8"	P2-S1A
15'-9 1/8"	P2-S1B
17'-2 1/16"	P9-S1C
18'-8 3/16"	P3-S1D
20'-1 3/4"	P3-S1E

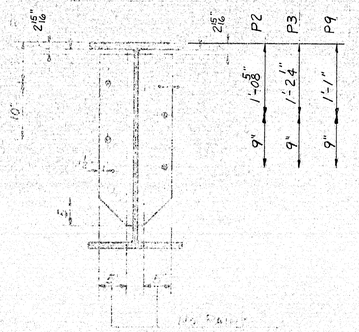
35'-10 13/16"	P2-S1A
37'-0 5/16"	P2-S1B
38'-5 7/8"	P9-S1C
39'-11 3/8"	P3-S1D
41'-4 15/16"	P3-S1E

57'-1 3/8"	PL-S1A THIS SIDE ONLY.
56'-9 3/8"	PL-BAL.

FOR S1A & S1F







WEST 7 7/8" PLATES

WEST 3 3/8" SPACERS

ONE EACH

NOTE: CONTROL FOR DIAPHRAGM LOCATION AT ℄ OF TOP FLANGE.

MARK THESE BEAMS SOUTHBOUND

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
S1A	1		PLATE	7 7/8		A36
S1B	1			3 7/8		
S1C	1			3 7/8		
S1D	1			3 7/8		
S1E	1			3 7/8		
S1F	1			3 7/8		
	1			60 7/8		
	20		PL 6x3/8	2 6		
	8					
	10					
	2	P9				
	12					
	12					
	24					

SHOP CONNECTIONS:

FIELD CONNECTIONS: 7/8 H.S. BOLTS & U.N. WELD

NOTES:

PAINT:

SOUTHBOUND

5	STATE	8-9-65
3	CUST.	4-30-65
5	SHOP	4-30-65
2	F.A.	4-14-65

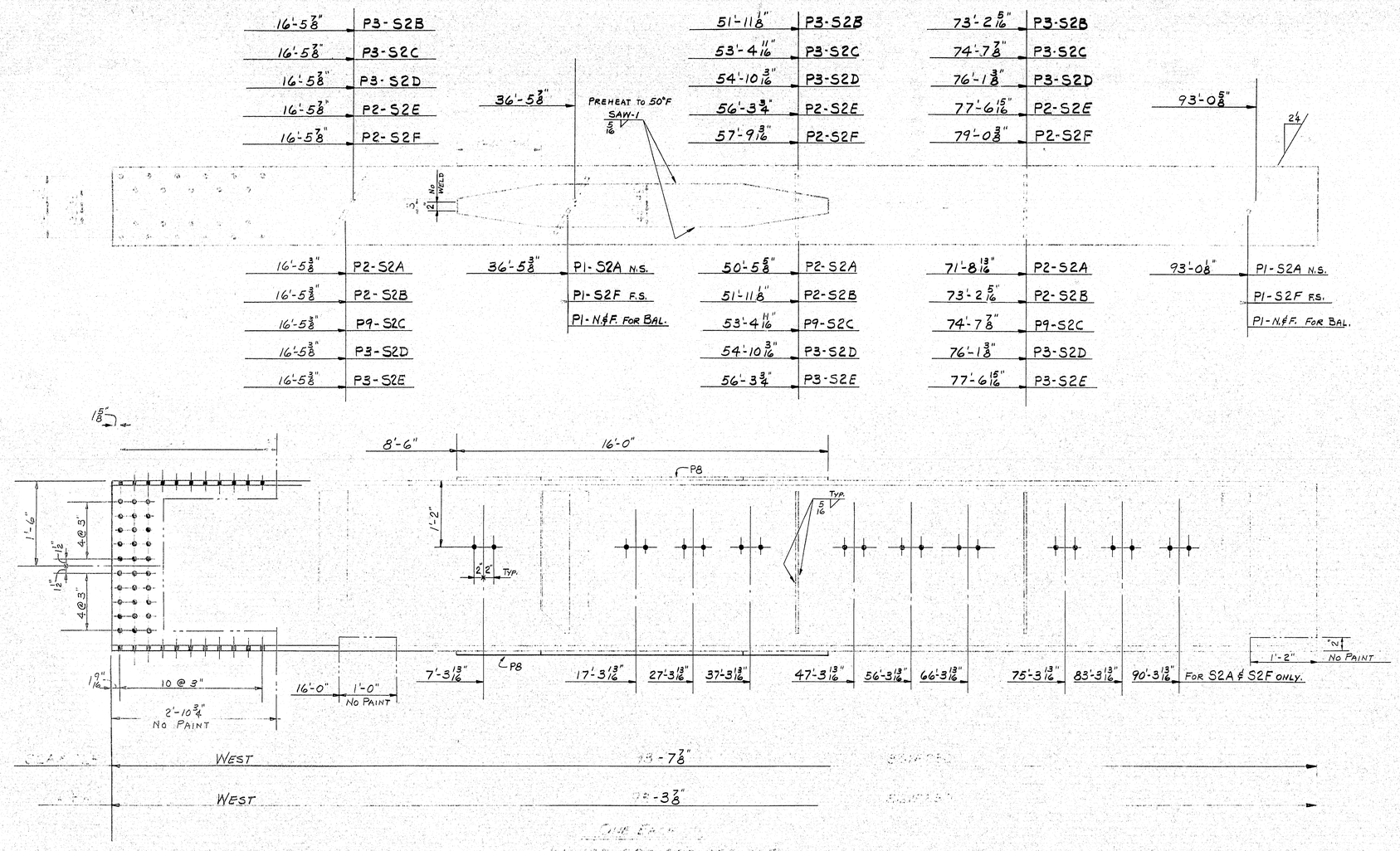
Bancroft & Martin Inc.
Brewer, Maine

DRAWN
REVISION
REVISION
REVISION

CUSTOMER
DESIGNER
ORDER DWG. S5

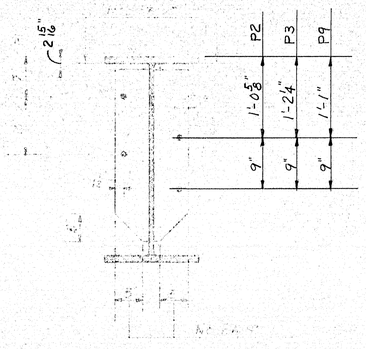
94-121

0 1 2 3 4 5 INCHES



NOTE: CONTROL FOR DIAPHRAGM LOCATION AT ℄ OF TOP FLANGE.

MARK THESE BEAMS SOUTHBOUND.



SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT	REMARKS
				7 7/8		
				3 3/8		
				3 3/8		
				3 7/8		
				3 3/8		
			do	7 7/8		
	20	P1	PL 6 x 3/8	2 6		
	12	P2	do	2 6		
	15	P3	do	2 6		
	3	P9	do	2 6		
	12	P8	PL 9 x 1/2	16 0		
FIELD	368		3/4ϕ H.S. BOLT	0 3 1/4		A325
	540		do	0 4 1/4		do
	908		3/4ϕ H.S. WASHERS			
	190		3/4ϕ M. BOLT	0 1 3/4		W/NUTS

SHOP CONNECTIONS:
FIELD CONNECTIONS: BOLTS & WELD
HOLES:
PAINT:

SPAN #2 SOUTHBOUND

5	STATE	8-9-65
3	CUST.	4-30-65
5	SHOP	4-30-65
2	F.A.	4-14-65

Bancroft & Martin Inc.
Brewer, Maine

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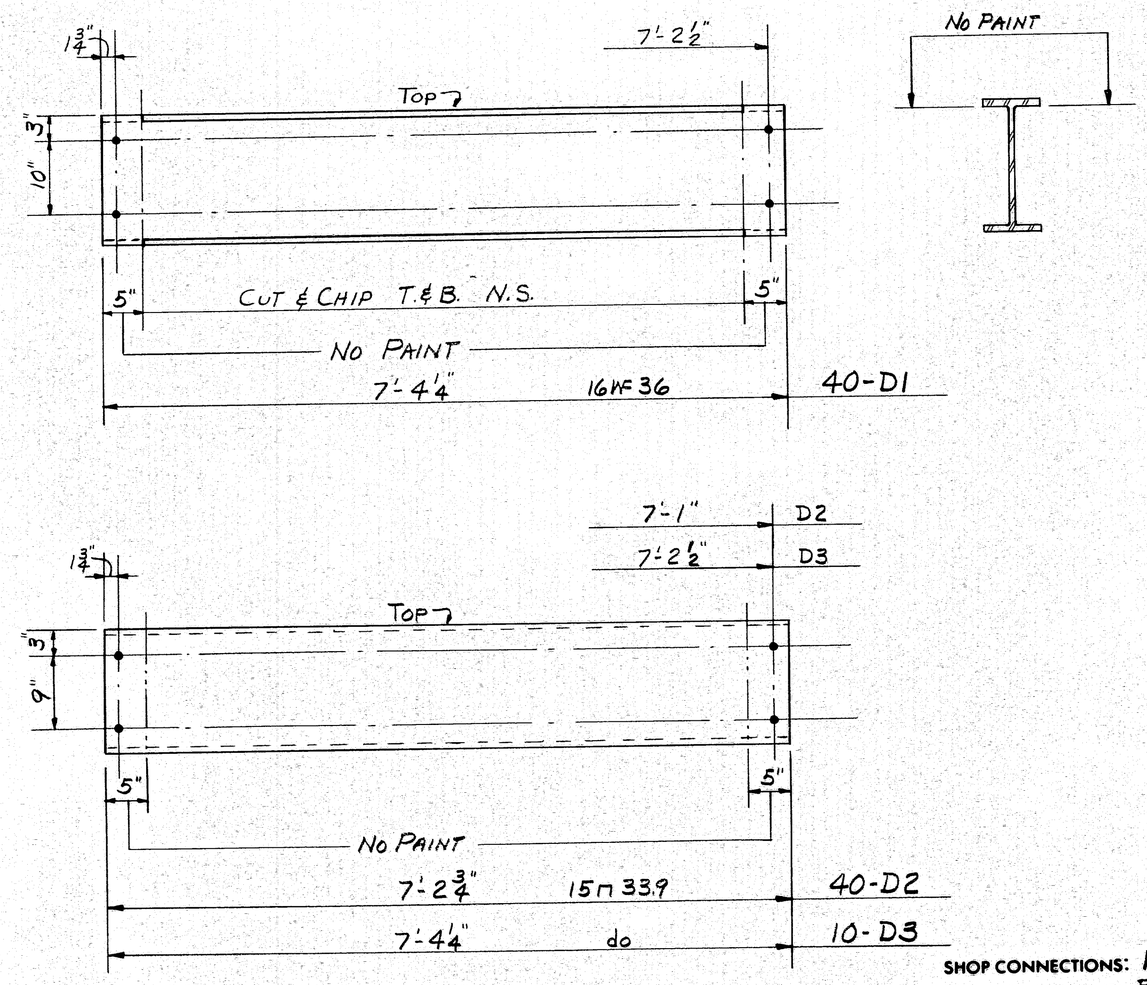
REVISION
REVISION
REVISION
CUSTOMER
DESIGNER
ORDER
DWG. S6

94.122

SHIP	BILL OF MATERIAL						DWG. B65-22-S7
MARK	NO.	MARK	SHAPE	LENGTH		WT.	REMARKS
D1	40		16WF36	7	4¼		A36
D2	40		15C33.9	7	2¾		
D3	10		do	7	4¼		



SHOP CONNECTIONS: WELD (E-70 LOW-HYDROGEN)
FIELD CONNECTIONS: BOLT
HOLES: 15/16 ϕ
PAINT: STATE OF MAINE SPEC'S.

DIAPHRAGMS (BOTH LANES)

PRINT ISSUE		
5	STATE	8-9-65
3	CUST	4-30-65
5	SHOP	4-30-65
2	F.A.	4-14-65
DRAWN	4-12-65	C.J.M.
REVISION		
REVISION		
REVISION		

Bancroft & Martin Rolling Mills Company
Brewer, Maine

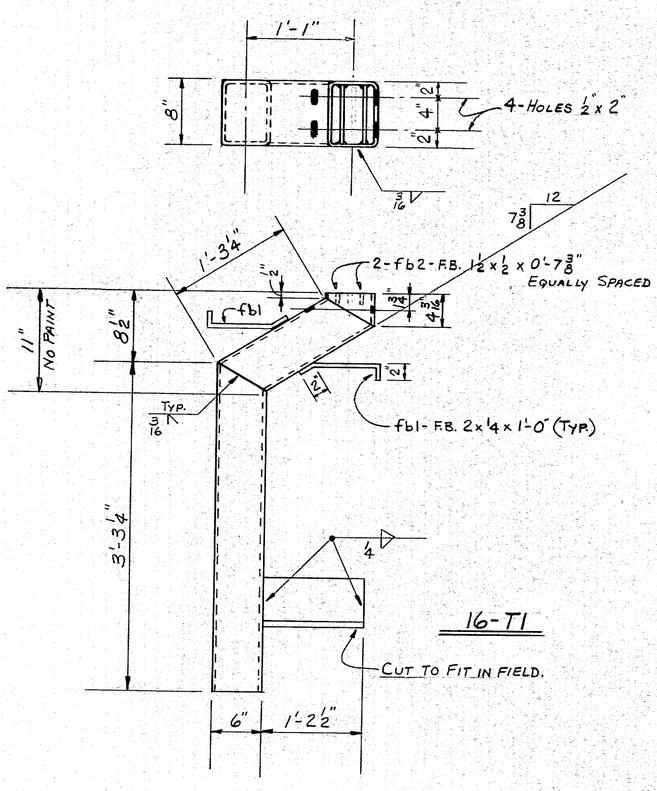
INTERSTATE #95 OVER U.S. ROUTE #1
PROJ. NO. I-95-9(23) 297
HOULTON, MAINE

CUSTOMER CALLAHAN BROTHERS INC.
DESIGNER STATE HIGHWAY COMM.

ORDER VERBAL | DWG. B65-22-S7

94-123

SHIP MARK	NO.	MARK	SHAPE	LENGTH		WT.	REMARKS
			BILL OF MATERIAL				DWG. B65-22-58
DP1	16		DRAIN				
	16		6x8x5/16 ϕ TUBE	5	0		STRUCTURAL TUBING CUT TO FIT
	32	fb1	FB. 2x1/4	1	0		BENT
	32	fb2	FB. 1 1/2 x 1/2	0	7 3/8		
T1	16		ST6WF13.5	1	2 1/2		CUT TO FIT IN FIELD



16-DP1

SHOP CONNECTIONS: WELD E-70 (LOW-HYDROGEN)
FIELD CONNECTIONS: WELD
HOLES: 1/2" ϕ
PAINT: STATE OF MAINE SPEC'S.

DRAINS

PRINT ISSUE		
5	STATE	8-9-65
3	CUST.	4-30-65
5	SHOP	4-30-65
2	F.A.	4-14-65
DRAWN	4-13-65	C.J.M.
REVISION		
REVISION		
REVISION		

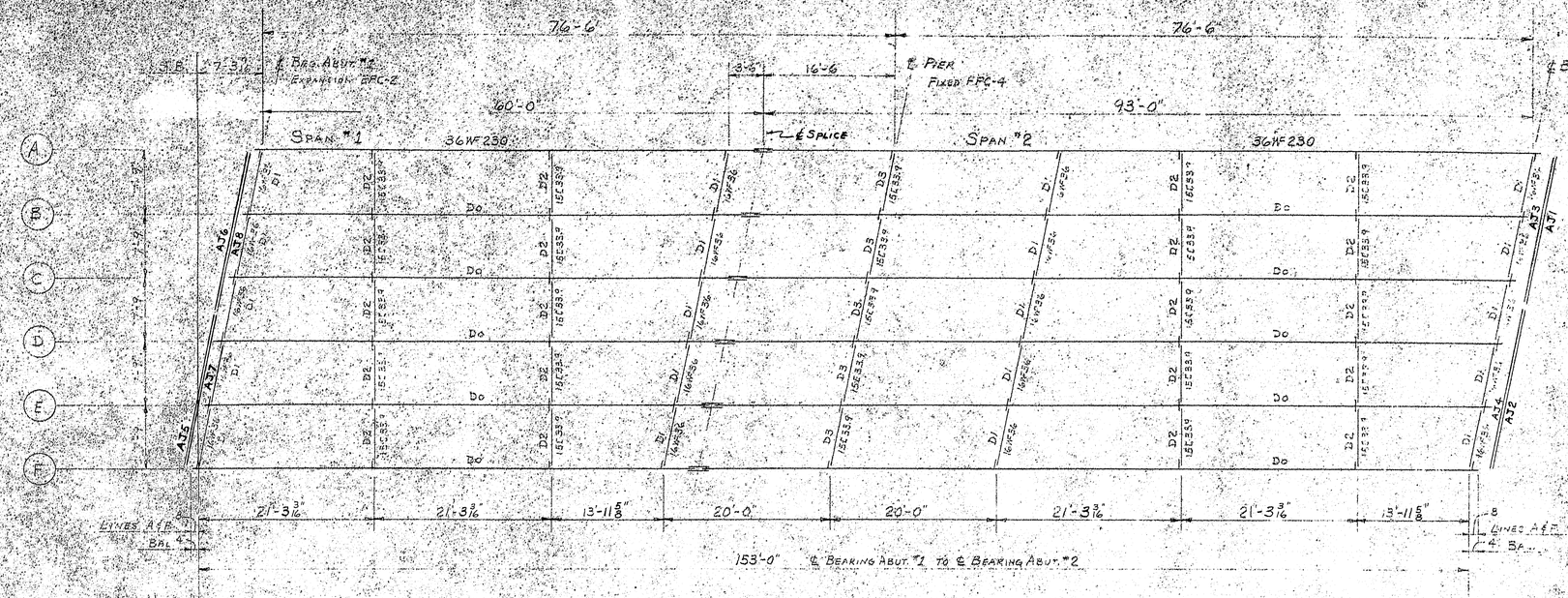
Bancroft & Martin Rolling Mills Company
Brewer, Maine

INTERSTATE 95 OVER U.S. ROUTE #1
PROJ. No. I-95-9(23) 297
HOULTON, MAINE

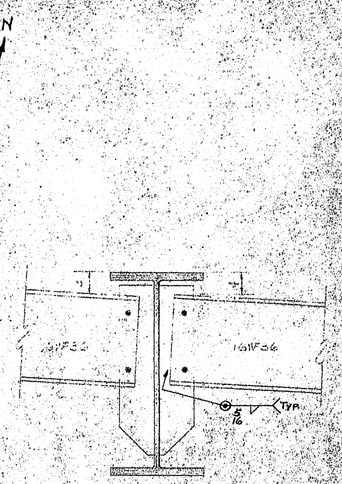
CUSTOMER CALLAHAN BROTHERS INC.
DESIGNER STATE HIGHWAY COMM.

ORDER VERBAL DWG. B65-22-58

57-72



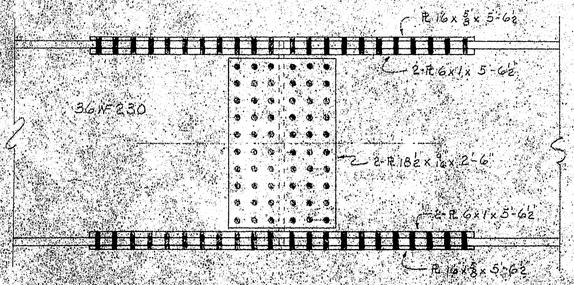
FRAMING PLAN



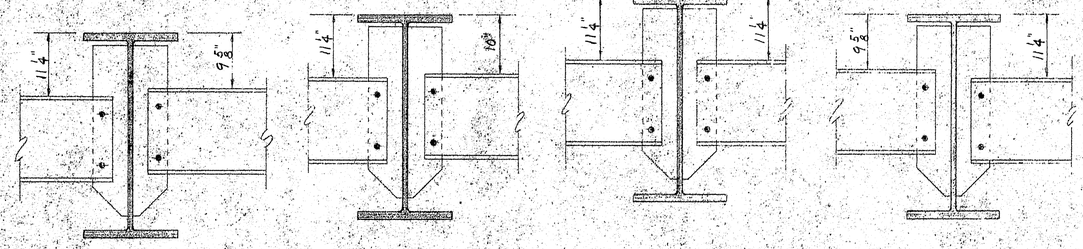
TYP. DETAIL AT 16WF36

44 - 3/4" H.S. BOLTS 4 1/2" (FLANGE) T & B.

60 - 3/4" H.S. BOLTS 3 1/4" (WEB)



TYP. SPLICE DETAIL



DETAIL OF DIAPHRAGMS AT 15L33.7

SHOP CONNECTIONS: WELD
FIELD CONNECTIONS: BOLTS 3/4" H.S. & WELD
HOLES: 15/16" ø
PAINT: STATE OF MAINE SPEC.

PROJ. No. I-95-9(23)297

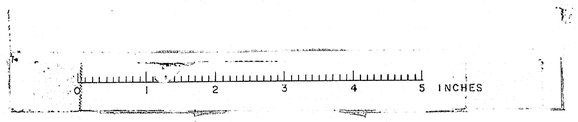
FRAMING PLAN SOUTHBOUND

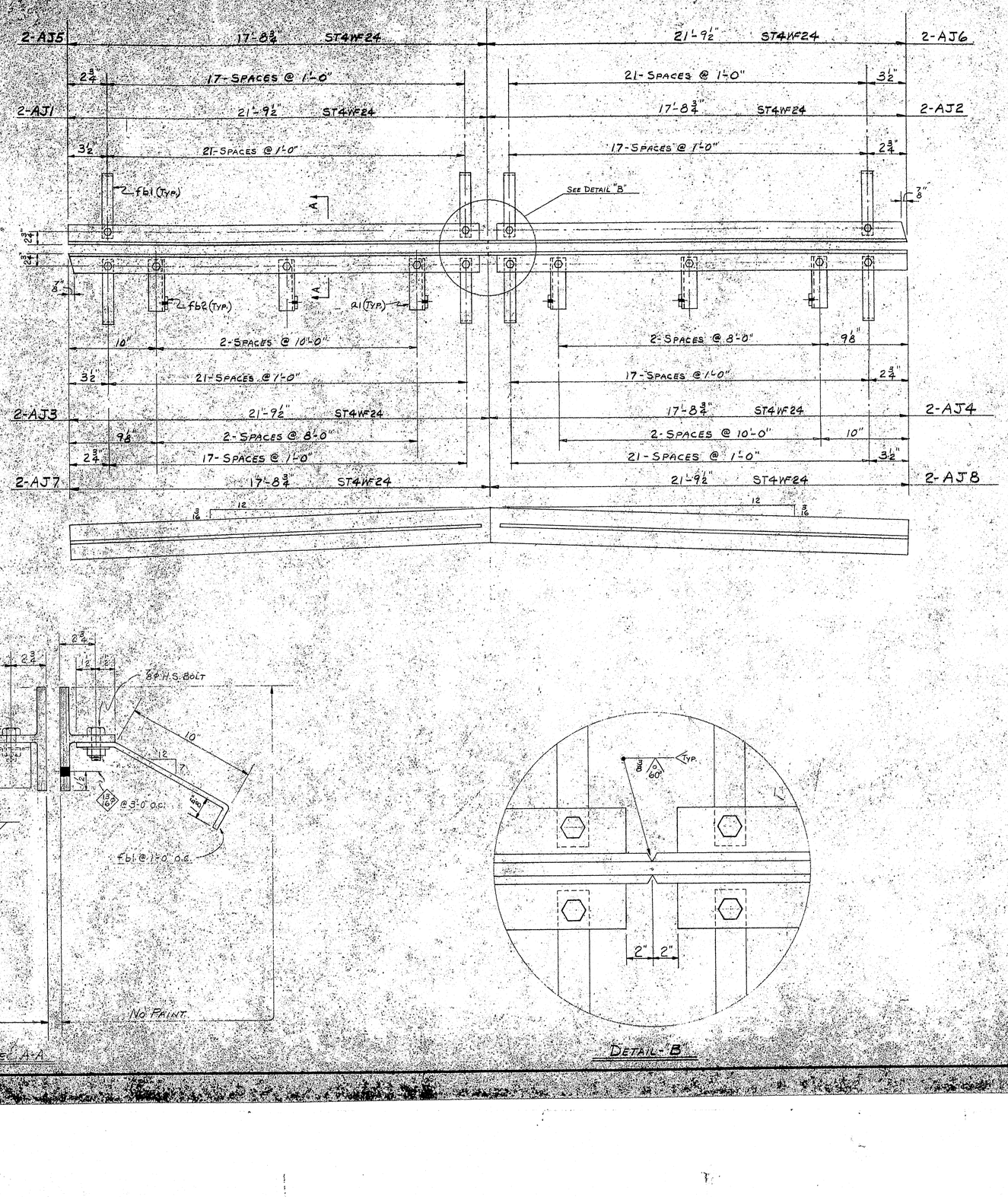
PAINT ISSUE		
5	STATE	8-9-65
3	CUST.	4-30-65
2	SHOP	4-30-65
2	F.A.	4-14-65
DRAWN	4-1-65	C.T.M.
REVISION		
REVISION		
REVISION		

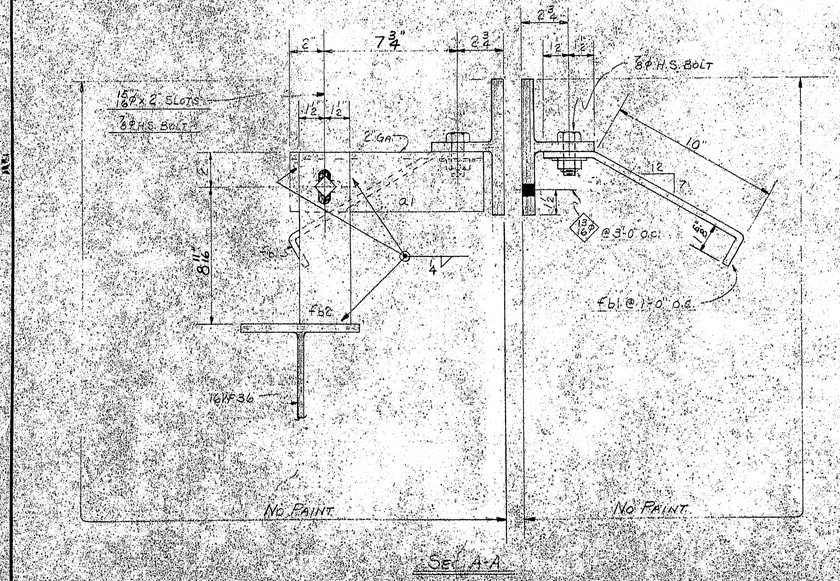
Bancroft & Martin Inc.
Brewer, Maine

INTERSTATE 95 OVER U.S. ROUTE #1
HOULTON, MAINE

CUSTOMER CALLAHAN BROTHERS INC.
DESIGNER STATE HIGHWAY COMM.
ORDER 1-95-9 DWG B6







SECT A-A

DETAIL - B

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
AJ1	2		ST4WF24	21 9½		A36
AJ2	2			17 8¾		
AJ3	2			21 9½		
AJ4	2			17 8¾		
AJ5	2			17 8¾		
AJ6	2			21 9½		
AJ7	2			17 8¾		
AJ8	2			21 9½		
	24	A1	3½x3½x⅜	0 11.4		24'-R 24'-L A36
	320	fb1	FB. 2½x⅜	1 3		BENT do
	24	fb2	FB. 3x⅜	0 10⅛		do
	350	SHOP	⅞ø H.S. BOLT	0 2.4		HEAVY HEX. NUTS A325
	350	SHOP	⅞ø H.S. WASHERS			A325

BILL OF MATERIAL

DWG B-65-22-52

SHOP CONNECTIONS: WELD (E-70 LOW-HYDROGEN)
FIELD CONNECTIONS: WELD
HOLES: 15/16ø U.N.
PAINT: STATE OF MAINE SPECS.

ARMORED JOINT NORTHBOUND & SOUTHBOUND

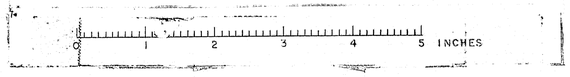
PRINT ISSUE		
5	STATE	8-9-65
3	CUST	4-30-65
5	SHOP	4-30-65
2	F.A.	4-14-65
DRAWN		9-6-65 C.J.M.
REVISION		
REVISION		
REVISION		

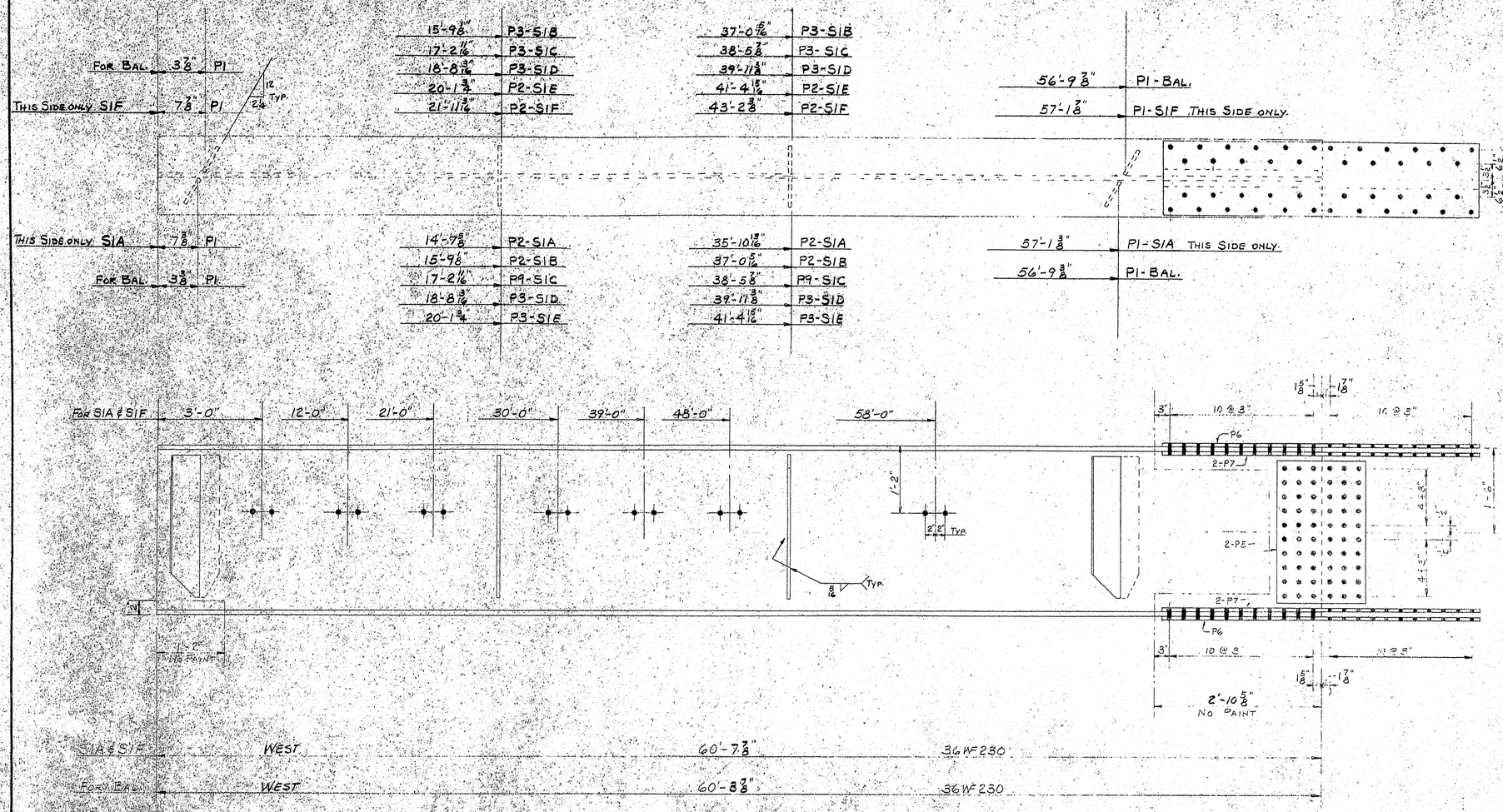
Bancroft & Martin Inc.
Brewer, Maine

INTERSTATE 95 OVER U.S. ROUTE "1"
PROJ. NO. I-95-9(23)297
HOULTON, MAINE

CUSTOMER CALLAHAN BROTHERS INC.
DESIGNER STATE HIGHWAY COMMISSION

ORDER VERBAL DWG B-65-22-52





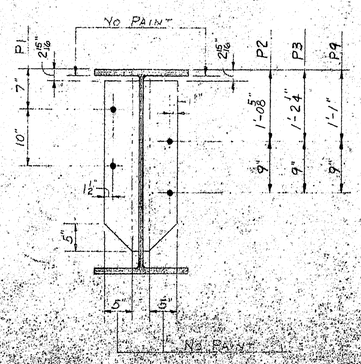
SIA & SIF	WEST	60'-7 3/8"	36WF230
FOR BAL.	WEST	60'-8 3/8"	36WF230

ONE EACH
SIA-SIB-SIC-SID-SIE-SIF

NOTE: CONTROL FOR DIAPHRAGM LOCATION AT ℄ OF TOP FLANGE.

PLACE ANY NATURAL CAMBER UP.

MARK THESE BEAMS SOUTHBOUND.



SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
SIA	1		36WF230	60 7 3/8		A36
SIB	1		"	60 3 3/8		
SIC	1		"	60 3 3/8		
SID	1		"	60 3 3/8		
SIE	1		"	6 3 3/8		
SIF	1		"	60 7 3/8		
	20	P1	PL 6 x 3/8	2 6		
	8	P2	do	2 2		
	10	P3	do	2 6		
	2	P9	do	2 6		
	12	P5	PL 13 1/2 x 7/16	1 6		
	12	P6	PL 16 x 5/8	1 11		
	24	P7	PL 6 x 1	5 6 1/2		

SHOP CONNECTIONS: WELD E-70 LOW HYDROGEN (UNL.)
FIELD CONNECTIONS: 7/8 H.S. BOLTS & WELD
HOLES: 15/16
PAINT: STATE OF MAINE, SPEC'S.

STRINGERS SPAN #1 SOUTHBOUND

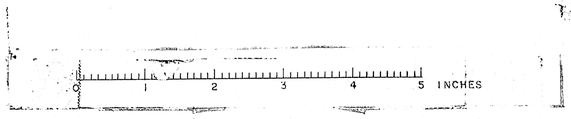
PRINT ISSUE		
5	STATE	8-9-65
3	CUST.	4-30-65
5	SHOP	4-30-65
2	F.A.	4-14-65
DRAWN	4-7-65	C.J.M.
REVISION		
REVISION		
REVISION		

Bancroft & Martin Inc.
Brewer, Maine.

INTERSTATE 95 (NEW U.S. ROUTE #1
PROJ. NO. I 95-1-28 297
HOULTON, MAINE

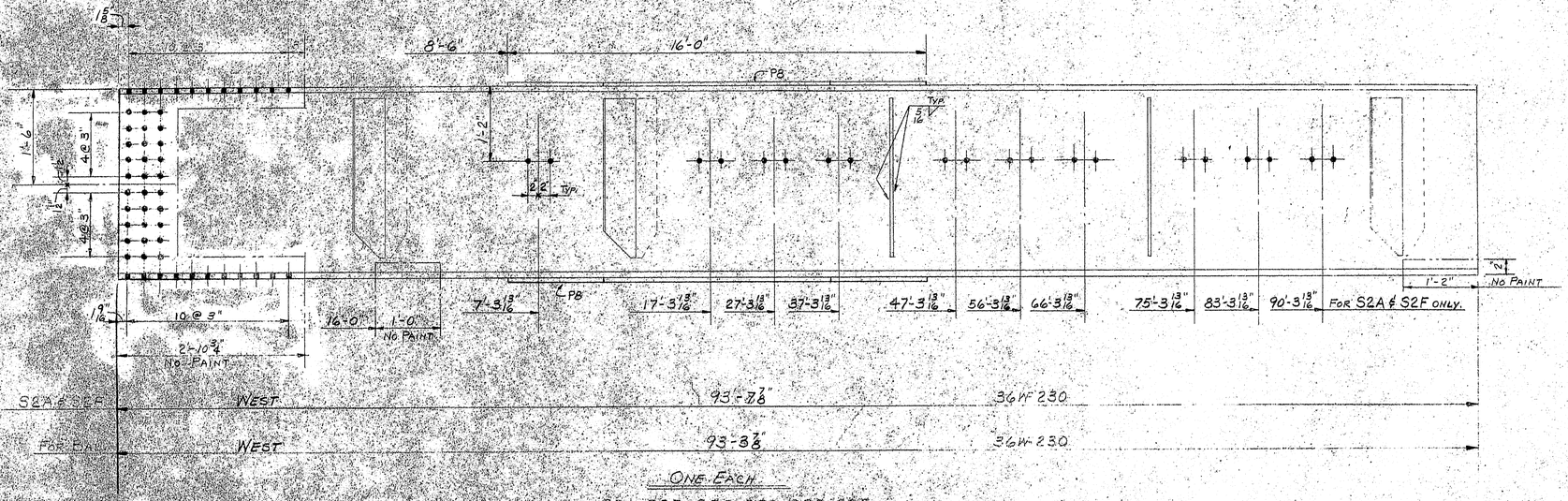
CUSTOMER CALLAHAN BROTHERS, INC.
DESIGNER STATE OF MAINE

ORDER 47-52 DWG. B-2-2 S5



16'-5⅞"	P3-S2B	36'-5⅞"	P1-S2A N.S.	51'-11⅛"	P3-S2B	73'-2 5/16"	P3-S2B	93'-0⅝"	P1-S2A N.S.
16'-5⅞"	P3-S2C	P1-S2F F.S.		53'-4 11/16"	P3-S2C	74'-7⅞"	P3-S2C		P1-S2F F.S.
16'-5⅞"	P3-S2D	P1-N.F. FOR BAL.		54'-10 3/16"	P3-S2D	76'-1⅜"	P3-S2D		P1-N.F. FOR BAL.
16'-5⅞"	P2-S2E			56'-3¾"	P2-S2E	77'-6 15/16"	P2-S2E		
16'-5⅞"	P2-S2F			57'-9 13/16"	P2-S2F	79'-0⅜"	P2-S2F		
16'-5⅜"	P2-S2A	36'-5⅜"	P1-S2A N.S.	50'-5⅝"	P2-S2A	71'-8 13/16"	P2-S2A	93'-0⅛"	P1-S2A N.S.
16'-5⅜"	P2-S2B	P1-S2F F.S.		51'-11⅛"	P2-S2B	73'-2 5/16"	P2-S2B		P1-S2F F.S.
16'-5⅜"	P9-S2C	P1-N.F. FOR BAL.		53'-4 11/16"	P9-S2C	74'-7⅞"	P9-S2C		P1-N.F. FOR BAL.
16'-5⅜"	P3-S2D			54'-10 3/16"	P3-S2D	76'-1⅜"	P3-S2D		
16'-5⅜"	P3-S2E			56'-3¾"	P3-S2E	77'-6 15/16"	P3-S2E		

PREHEAT TO 50°F
SAW-1
5/16
1'-6" (Typ.)
PL 16 WELD
24
12 Typ.



S2A & S2F	WEST	93'-8⅜"	36W 230	
FOR BAL.	WEST	93'-8⅜"	36W 230	

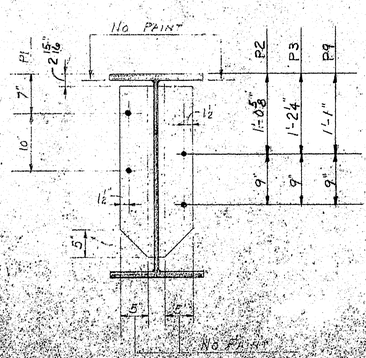
ONE EACH
S2A-S2B-S2C-S2D-S2E-S2F

NOTE: CONTROL FOR DIAPHRAGM LOCATION AT ℄ OR TOP FLANGE.

MATCH THIS END WITH PREVIOUS SPAN

PLACE ANY NATURAL CAMBER UP

MARK THESE BEAMS SOUTHBOUND



SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
S2A	1		36WF230	93 7⅞		A36
S2B	1			93 3⅜		
S2C	1			93 3⅜		
S2D	1			93 3⅞		
S2E	1			93 5⅜		
S2F	1		do	93 7⅞		
	20	P1	PL 6 x 3/8	2 6		
	12	P2	do	2 6		
	15	P3	do	2 6		
	3	P9	do	2 6		
	12	P8	PL 9 x ½	16 0		
FIELD	368		⅞ø H.S. BOLT	0 3¼		A325
	540		do	0 4¼		do
	908		⅞ø H.S. WASHERS			
	190		¾ø M. BOLT	0 1¾		W/NUTS

DWG B-S-22-S2

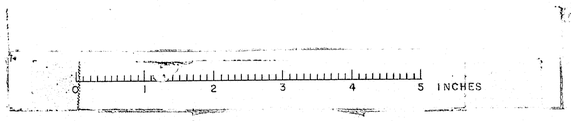
SHOP CONNECTIONS: WELD (E-70 LOW HYDROGEN) UNLESS OTHERWISE NOTED
FIELD CONNECTIONS: ⅞ø H.S. BOLTS & WELD
HOLES: 13/16ø
PAINT: STATE OF MAINE SPEC.

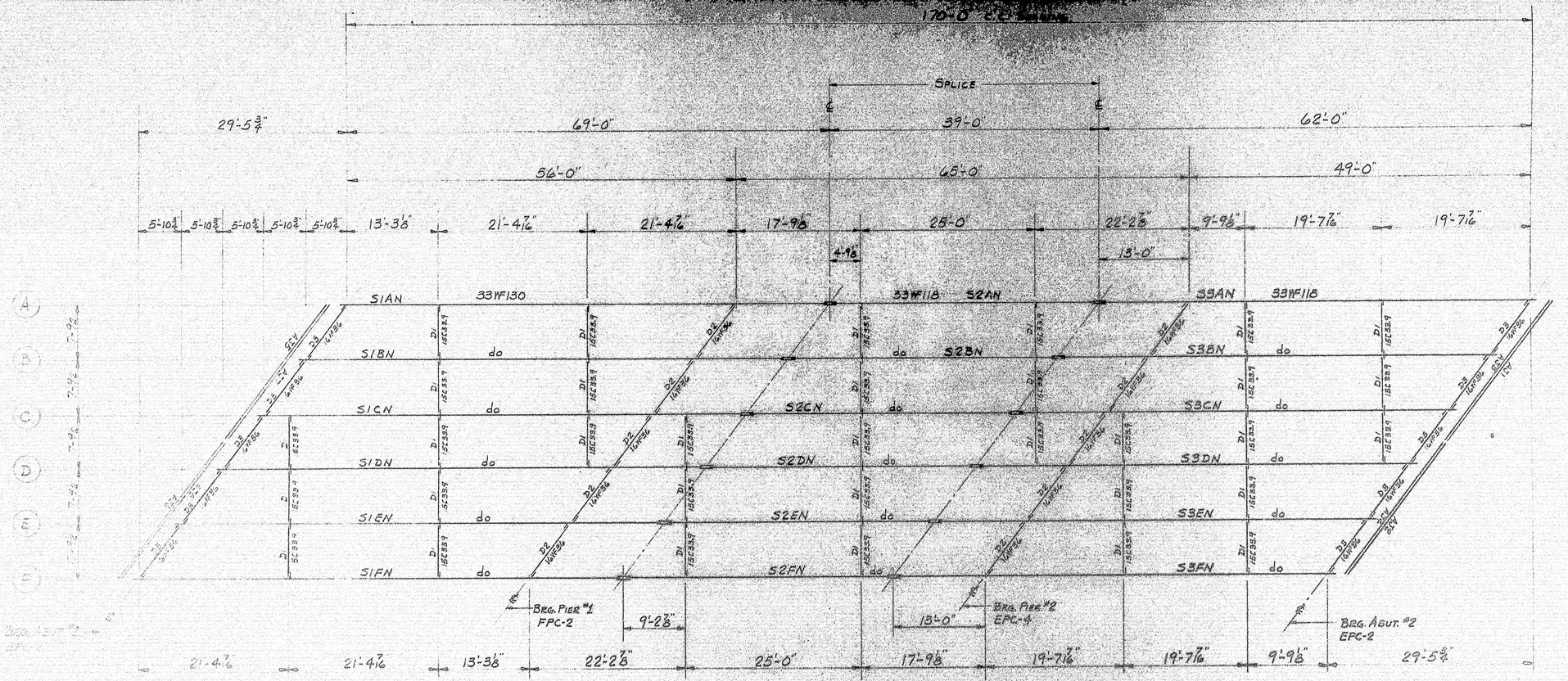
STRINGER SPAN #2 SOUTHBOUND

PRINT ISSUE:		
5	STATE	8-9-65
3	CUST.	4-30-65
5	SHOP.	4-30-65
2	F.A.	4-14-65
DRAWN	4-8	
REVISION		
REVISION		
REVISION		

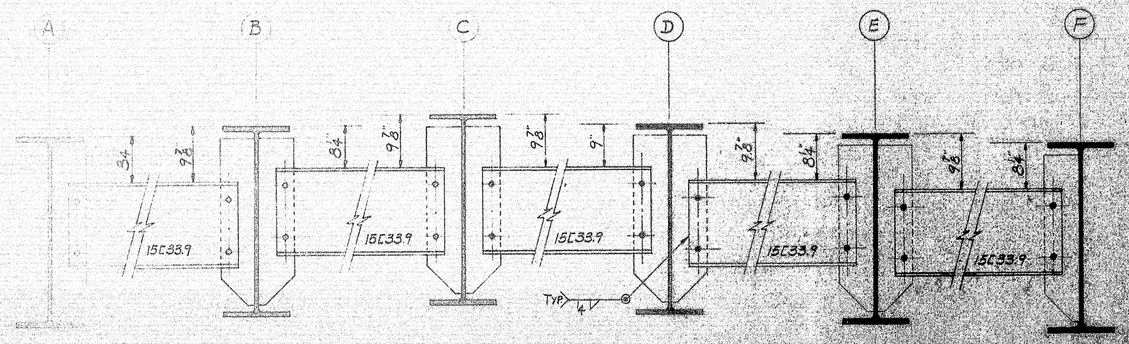
Bancroft & Martin Inc.
Brewer, Maine

CUSTOMER: MAINE STATE HIGHWAY COMMISSION
DESIGNER: STATE HIGHWAY COMMISSION
ORDER [illegible] DWG. F-[illegible]-B6

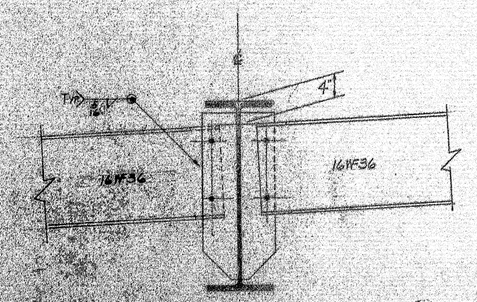




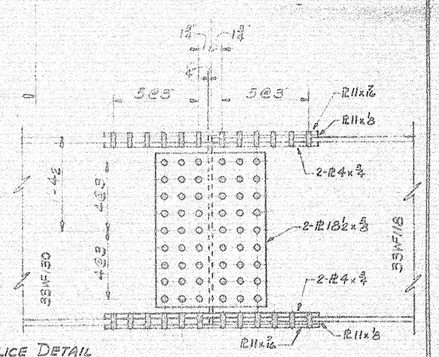
FRAMING PLAN
NORTHBOUND



DIAPHRAGM CONNECTION



DIAPHRAGM CONNECTION



SPLICE DETAIL

SHOP CONNECTIONS: WELD E70 LOW-HYDROGEN
FIELD CONNECTIONS: 7/8 ϕ H.S. BOLTS
HOLES: 13/16 ϕ UH.
PAINT: STATE OF MAINE SPEC'S.

PROJ. No. I-95-9(34)258 APP. AS NOTED 2-13-67

NORTHBOUND FRAMING PLAN

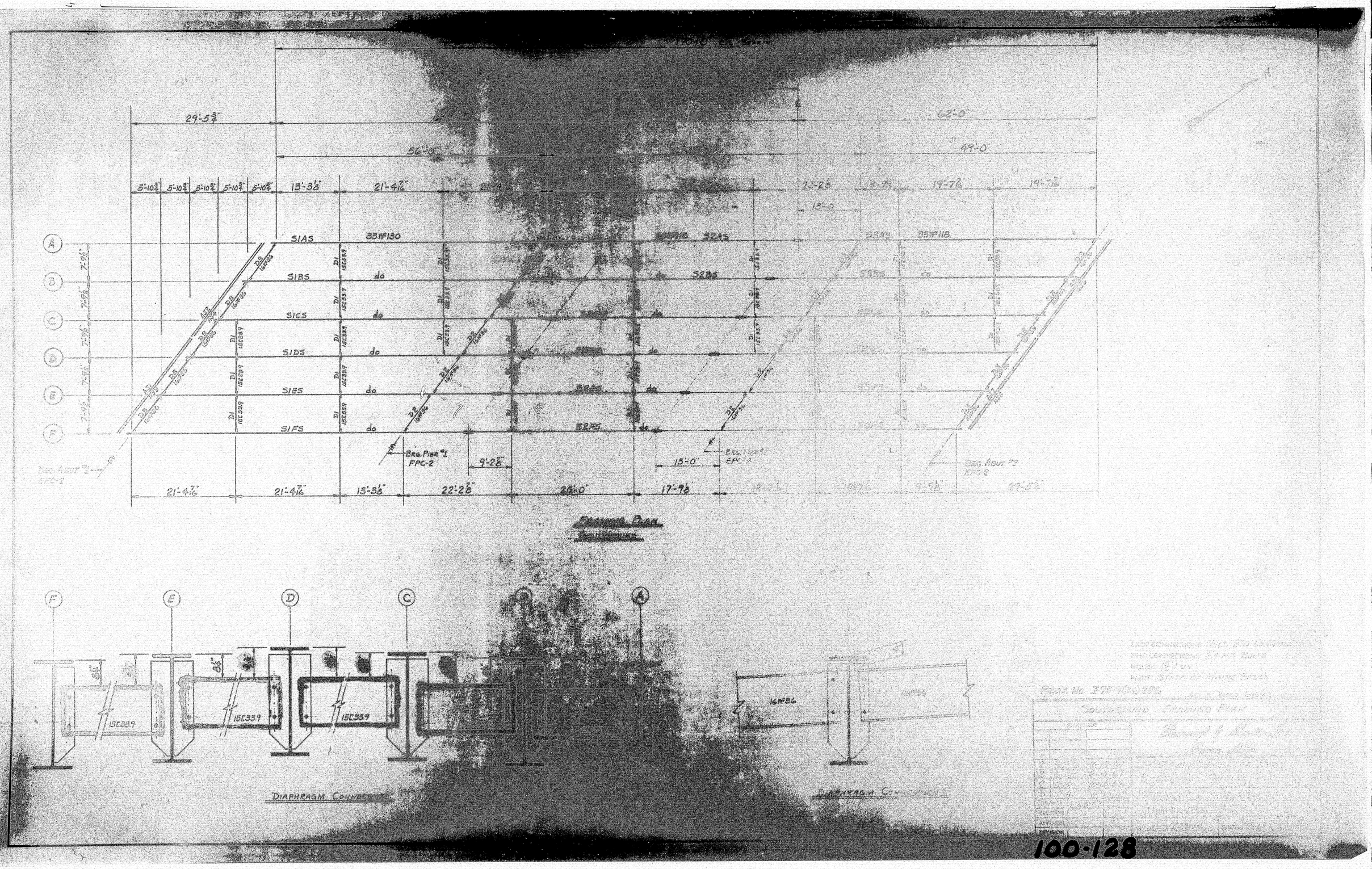
PRINT ISSUE		
2	S.H.C.	2-15-67
3	CUST.	2-15-67
2	SHOP	2-15-67
3	F.A.	1-30-67
DRAWN	1-23-67	C.J.M.
REVISION		
REVISION		
REVISION		

Bancroft & Martin Inc.
Bangor, Maine

I-95 OVER BENEDICTA ROAD
SHERMAN, MAINE

CUSTOMER CALLAHAN BROS.
DESIGNER M.S.H.C.
ORDER VERBAL
DWG. B66-399-E1

100-127


29'-5¾"
56'-0"
5'-10¾"
13'-3⅜"
21'-4⅞"
62'-0"
49'-0"
19'-7½"
SIAS
SIBS
SICS
SIDS
SIES
SIFS
do
Brg. Fibr "1 FPC-2
Brg. Fibr "2 FPC-2
9'-2⅝"
13'-0"
21'-4⅞"
15'-3⅜"
22'-2⅝"
17'-9⅛"
Diaphragm Connection
15C33.9
16WF36

100-128

SHIP MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS